

Date	Prepared by	Approved by	Document nos	Rev
12 Sep 2022	Ray Ling	Pavel	MBA-3-F4A5-IM-001	0

INSTRUCTION MANUAL MS-MBA-3-F4A5

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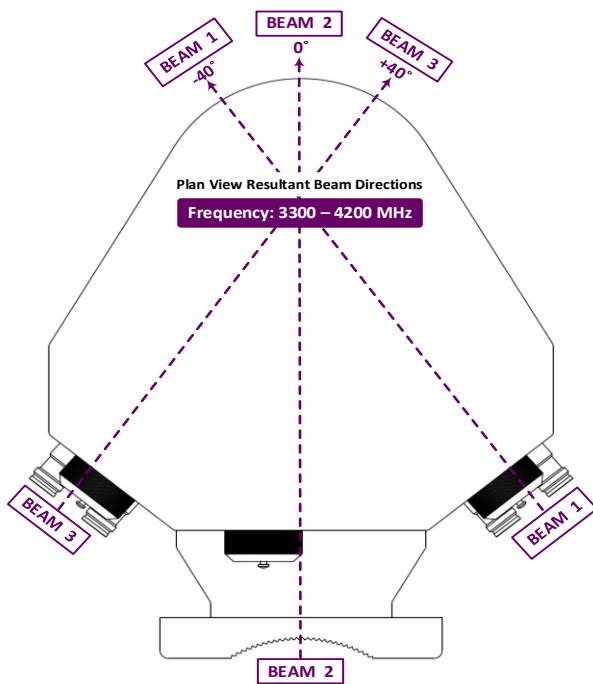
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Revision History:

Date	Description	Revised by	Revision nos.

1.00 BEAMS & CONNECTORS:

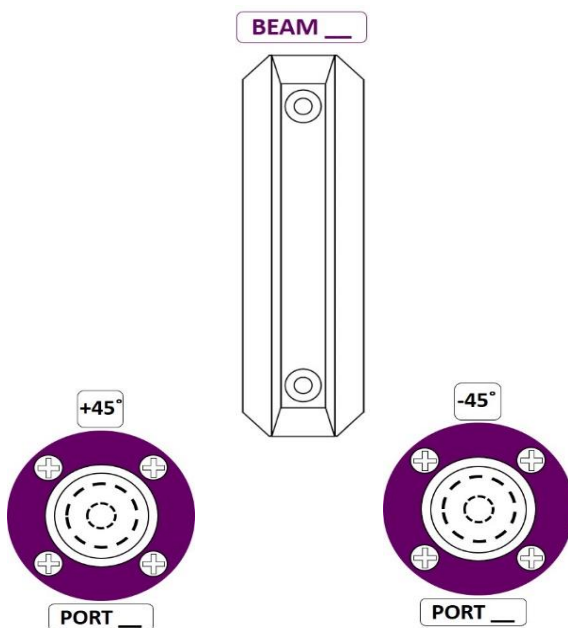
1.10 Plan View Resultant Beam Layout



1.20 Connector Ports Table

BEAM 3		BEAM 2		BEAM 1	
Port 11 (+45°)	Port 12 (-45°)	Port 7 (+45°)	Port 8 (-45°)	Port 3 (+45°)	Port 4 (-45°)
BEAM 3		BEAM 2		BEAM 1	
Port 9 (+45°)	Port 10 (-45°)	Port 5 (+45°)	Port 6 (-45°)	Port 1 (+45°)	Port 2 (-45°)

1.30 Connector Detail

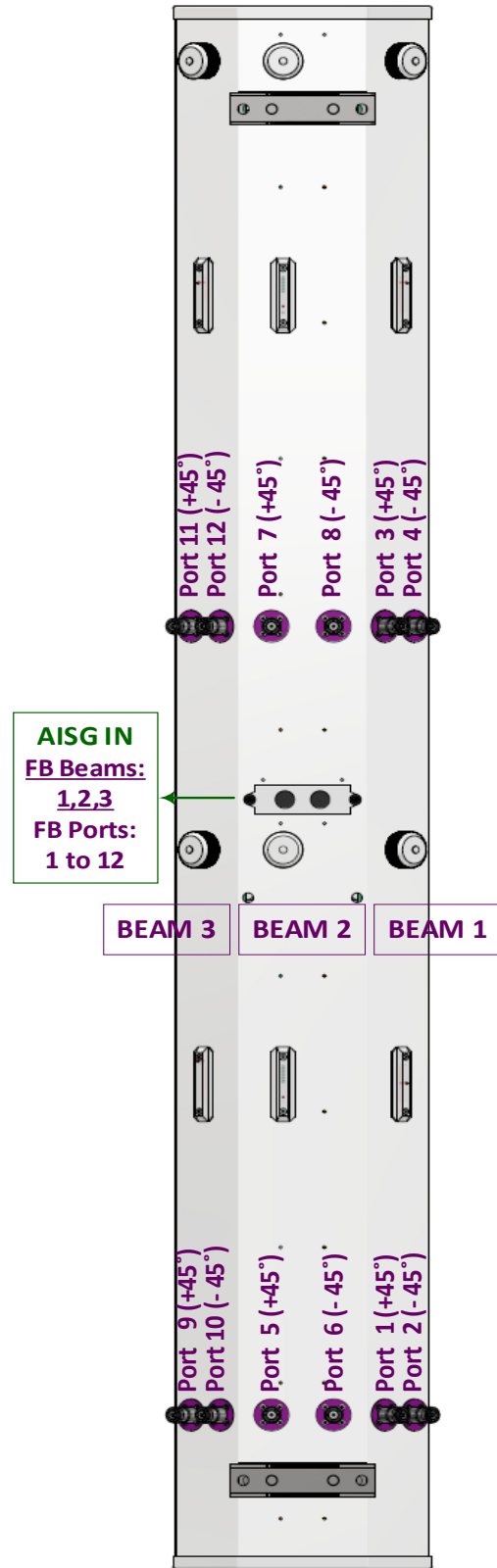


1.40 Connector Layout

MS-MBA-3-F4A5

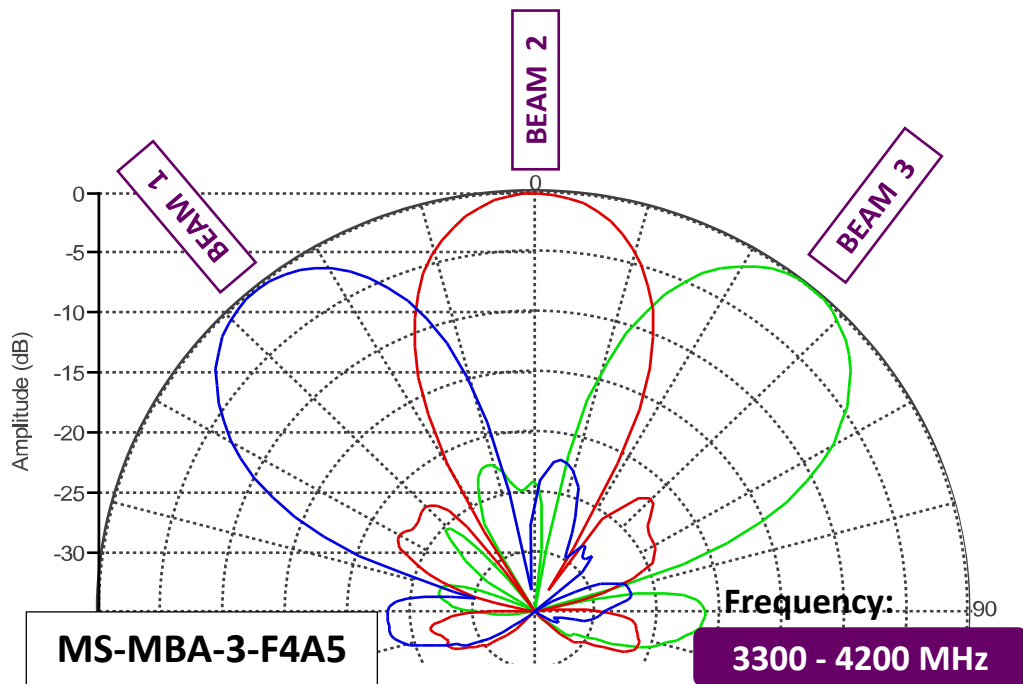
REAR VIEW CONNECTOR LAYOUT

BEAM 3 BEAM 2 BEAM 1

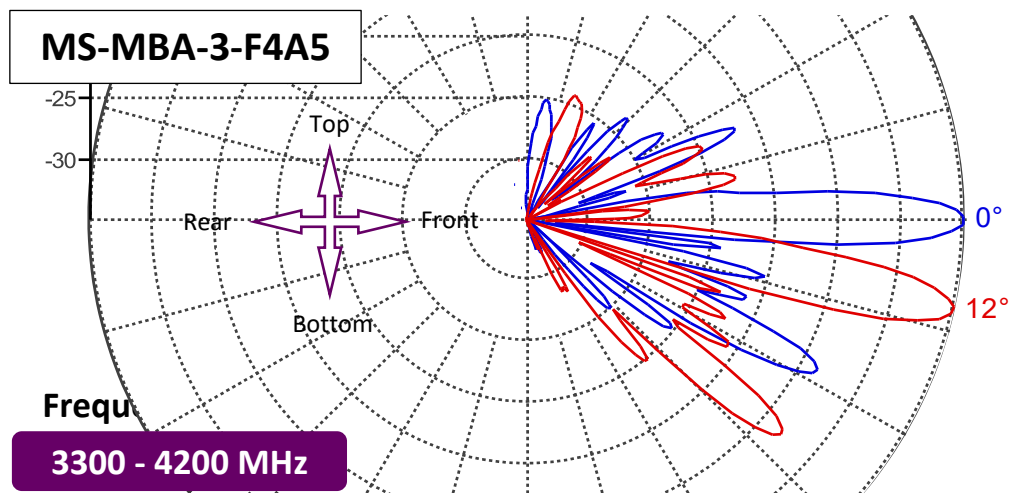


2.00 PATTERN DIAGRAM

2.10 Horizontal Pattern

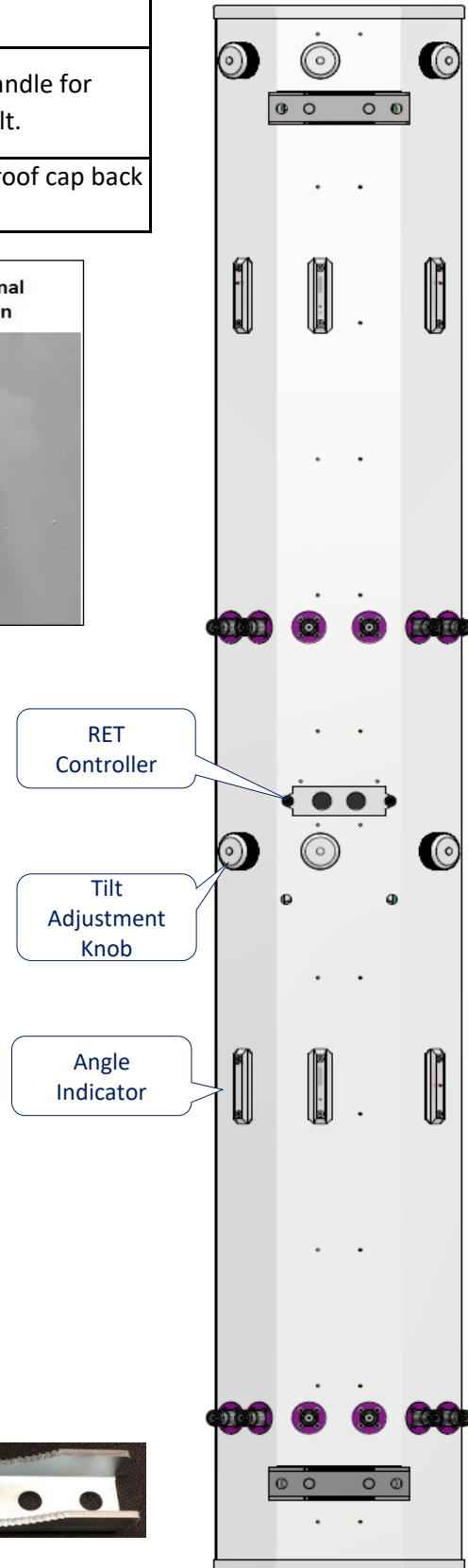


2.20 Vertical Pattern



3.00 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.

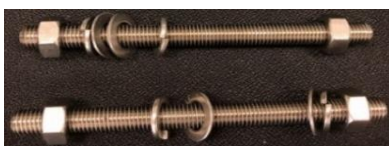


4.00 BRACKET INSTALLATION

4.10 Bolts & Nuts Requirements

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

4.11 Bolts & Nuts



4.12 Bracket



4.20 Tools Requirement

4.21 Adjustable Spanner



4.22 M12 Spanner



4.30 Bracket Spacing & Installation Sample

