

Date	Prepared by	Approved by	Document nos	Rev
1 Apr 2021	Ray Ling	Patrick Yeo	MS-MBA-2-L2&T2-001	1

## INSTRUCTION MANUAL MS-MBA-2-L2 & MBA-2-T2

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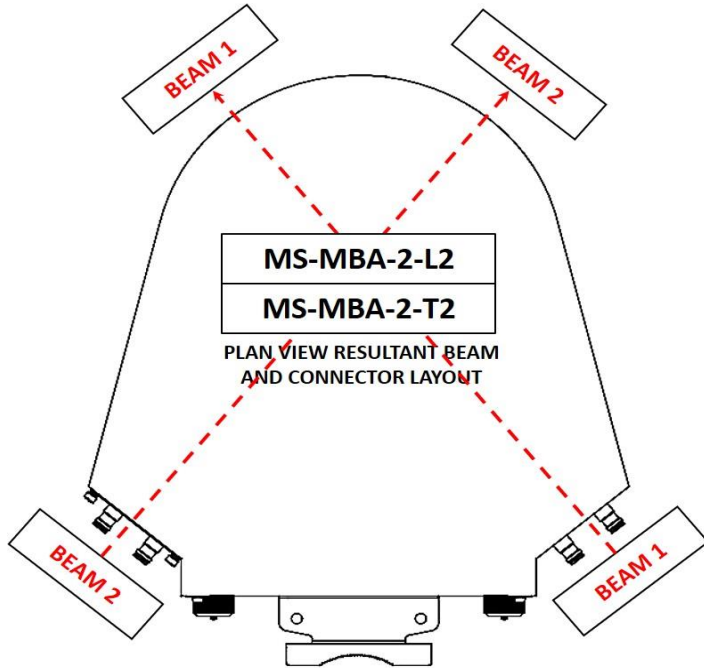
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**Revision History:**

Date	Description	Revised by	Revision nos.
01-04-21	Update the latest information and included MBA-2-T2 into same instruction manual.	Ray Ling	1

**1.00 BEAMS & CONNECTORS:**

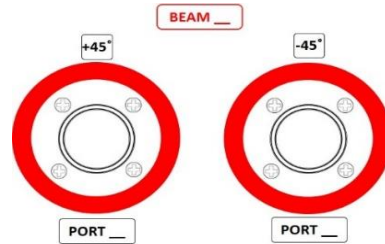
**1.10 Plan View Resultant Beam Layout**



**1.20 Connector Ports Table**

MS-MBA-2-L2/MBA-2-T2 Connector Table	
BEAM 2	BEAM 1
Port 3 (+45°)	Port 1 (+45°)
Port 4 (-45°)	Port 2 (-45°)

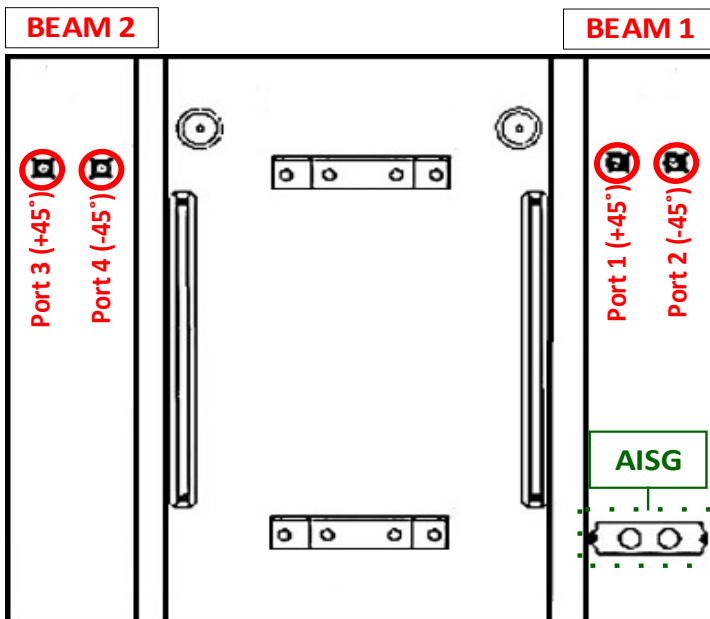
**1.30 Connector Detail**



**1.40 Connector Layout**

**MS-MBA-2-L2 / MBA-2-T2**

**REAR VIEW CONNECTOR LAYOUT**

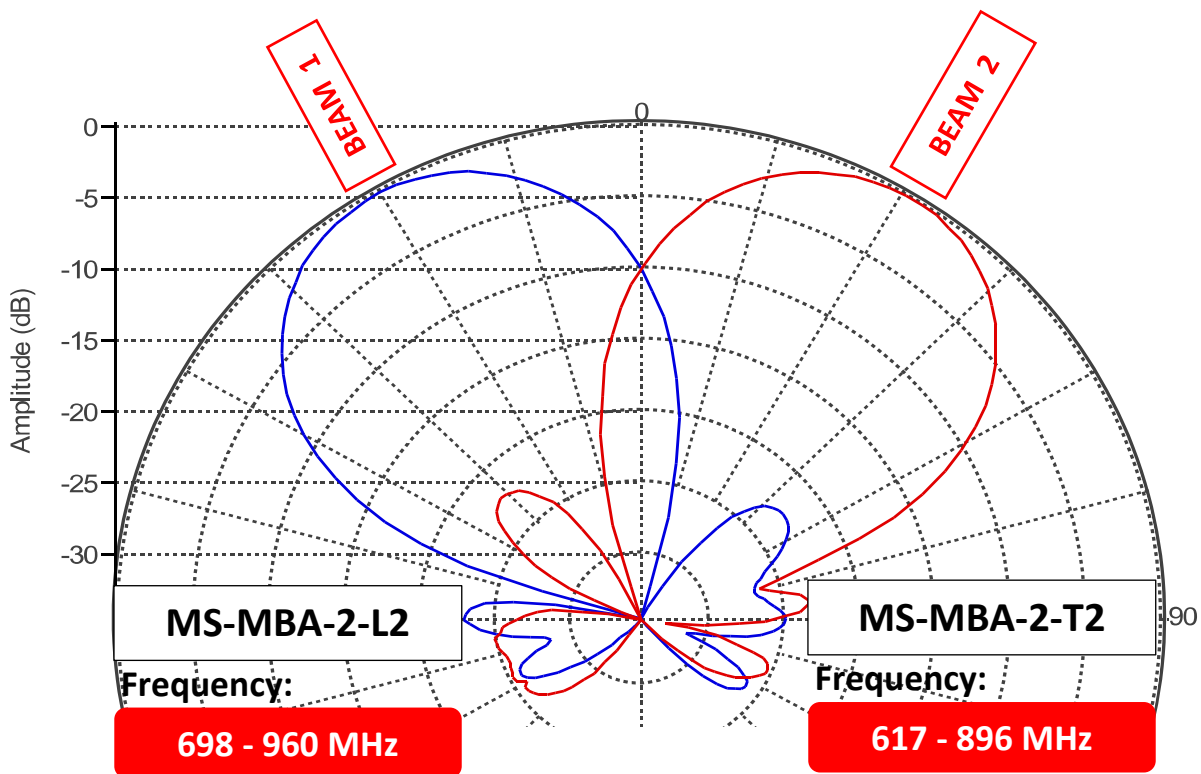


## 2.00 PATTERN DIAGRAM

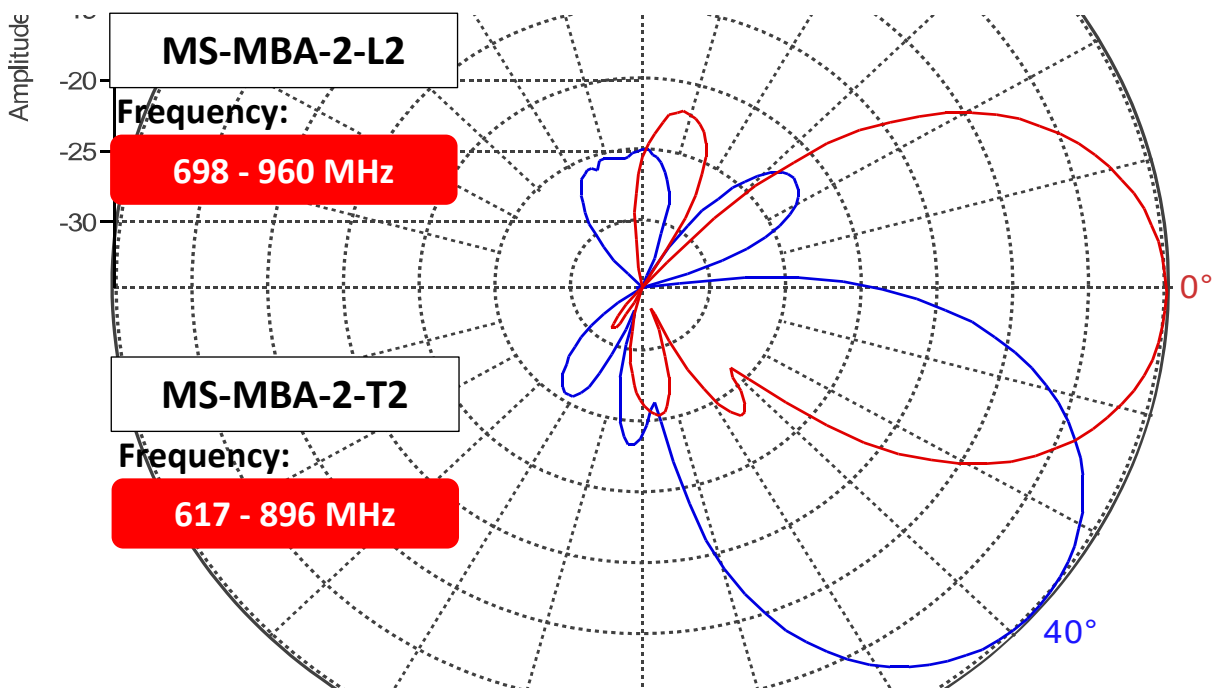
### 2.10 Horizontal Pattern

2.11 LB Frequency: 698 - 960 MHz

2.12 TB Frequency: 617 - 896 MHz

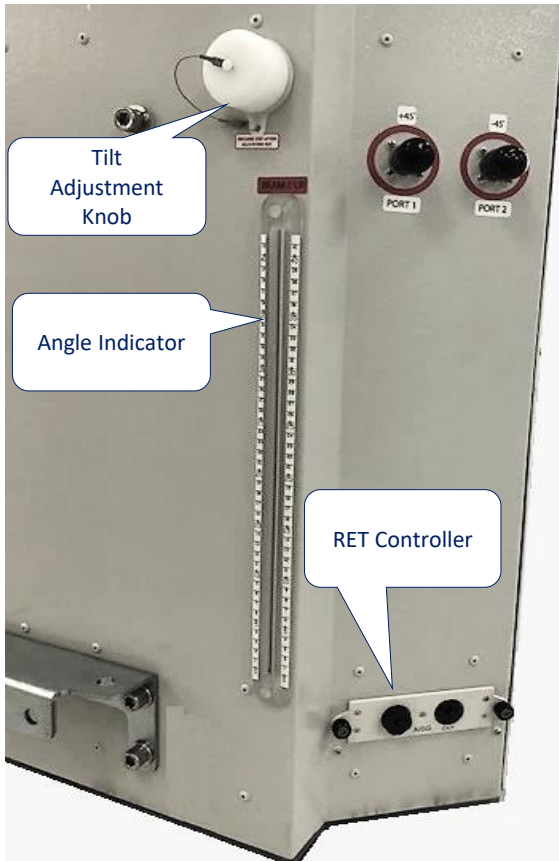


### 2.20 Vertical Pattern



### 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.



**Engaged with internal RET motor position**



**Unscrew/Screw the cap for tilt adjustment process**



**Pull knob out to disengaged RET for tilt adjustment**



### 4.00 BRACKET INSTALLATION

#### 4.10 Bolts & Nuts Requirements

nos	Model Apply	Bracket Qty	Bolts		Nuts	
			Size	Qty	Size	Qty
1	All MBA's Antennas	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

