

MS-8F30		Instruction Manual				
Date	Prepared by	Approved by	Document nos	Revision		
14 Sep 2021	Ray Ling	Pavel	MS-8F30-IM-001	01		

# **INSTRUCTION MANUAL MS-8F30**

# **TABLE OF CONTENTS:**

#### 1.00 BEAMS & CONNECTORS:

- 1.10 Plan View Resultant Beam
- 1.20 Rear View Connector Layout
- 1.30 Connector Ports Table

#### 2.00 BEAM PATTERN

- 2.10 Horizontal Beam Pattern
  - 2.11 Top Row Beam 1 4
  - 2.12 Bottom Row Beam 5 8
- 2.20 Vertical Beam Pattern

# 3.00 TRANSPORTATION / INSTALLATION

- 3.10 Transportation (From Point to Point)
- 3.20 Bracket Installation
  - 3.21 Bolts & Nuts Sets
  - 3.22 Bracket
- 3.30 Tools Requirement
  - 3.31 Adjustable Spanner
  - 3.32 M12 Spanner
- 3.40 Bracket Installation Sample
- 3.50 Antenna Installation
  - 3.51 Antenna Leveling
  - 3.52 Digital Level Gauge Calibration
  - 3.53 Adjustment Requirement

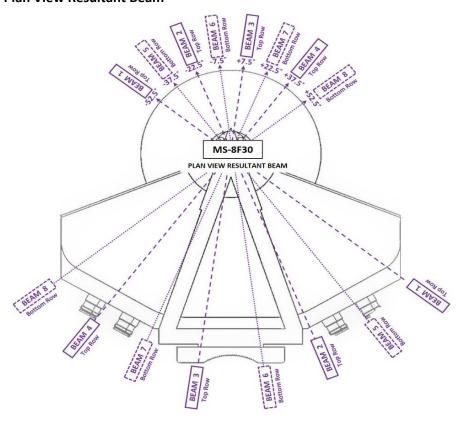
#### **Revision History:**

Date	Description	Revised by	Revision nos.
14-Sep-21	Revised as per new design of backshell connector at the rear side.	Ray	01

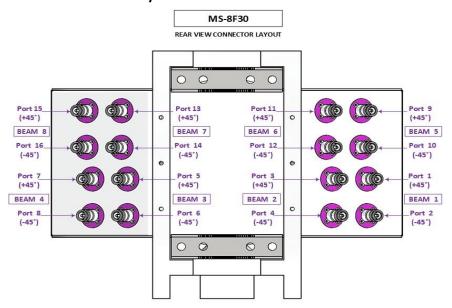
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#### 1.00 BEAMS & CONNECTORS:

# 1.10 Plan View Resultant Beam



# 1.20 Rear View Connector Layout



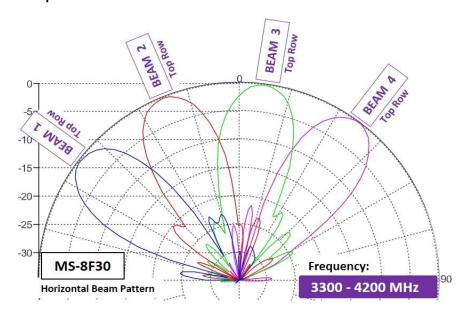
## 1.30 Connector Ports Table

BEAM 8		BEAM 7		BEAM 6		BEAM 5				
Ро	Port 15 (+45°) Po		ort 13 (+45°) P		Port 11 (+45°)		Port 9 (+45°)			
Ро	rt 16 (-45°)	Ро	rt 14 (-45°)	Ро	rt 12 (-45°)	Port 10 (-45°)		Bottom		
	BEAM 4		BEAM 3		BEAM 2		BEAM 1			
Тор	Port 7 (+45°)		Port 5 (+45°)		Port 3 (+45°)		Port 1 (+45°)			
_	Port 8 (-45°)		Port 6 (-45°)		Port 4 (-45°)		Port 2 (-45°)			

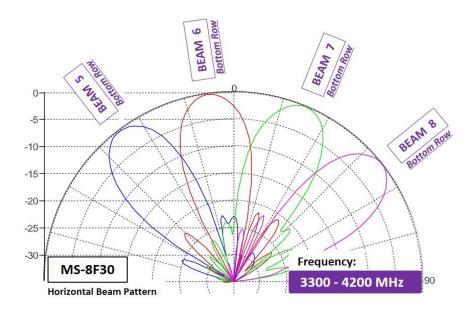
# 2.00 BEAM PATTERN

## 2.10 Horizontal Beam Pattern

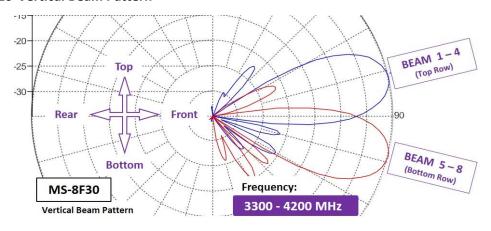
## 2.11 Top Row Beam 1 - 4



#### 2.12 Bottom Row Beam 5 - 8



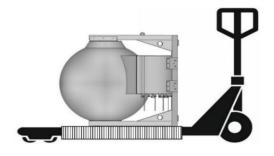
## 2.20 Vertical Beam Pattern



# 3.00 TRANSPORTATION / INSTALLATION

# 3.10 Transportation (From Point to Point)

Appropriate material handling machine should be used. (Risk Assessment applies for Forklift or Pallet Truck Lifting)



## 3.20 Bracket Installation

1. Bracket Qty 2

2. Bolts & Nuts Sets

M12 x 200mm x 4 sets

5

3.21 Bolts & Nuts Sets





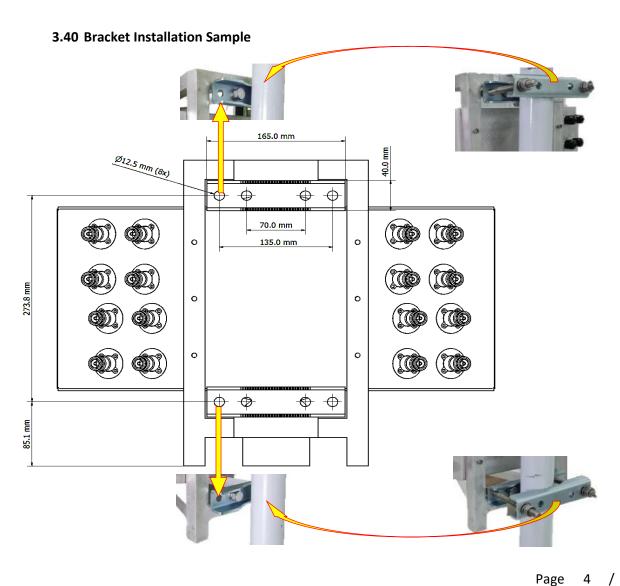


3.30 Tools Requirement
3.31 Adjustable Spanner



3.32 M12 Spanner



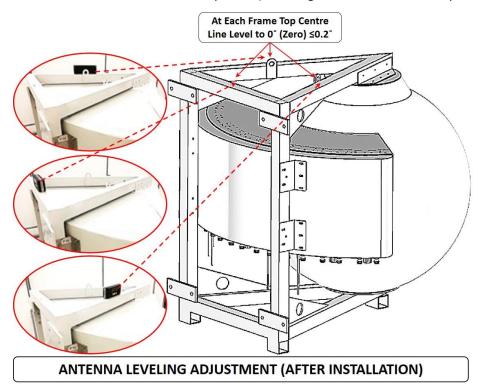


# 3.50 Antenna Installation

With reference to <u>Item 3.20 Bracket Mounting</u>, End user is required to Custom-Make the additional supporting bracket and tighten it to the existing Antenna bracket to meet the deployment needs.

## 3.51 Antenna Leveling

After the Antenna is mounted to the bracket, it is required to be adjusted to  $0^{\circ}$  (Zero Degree) with  $\leq 0.2^{\circ}$  on 3 sides of the frame top level.(Rear, Right & Left=As shown in picture)



## 3.52 Digital Level Gauge Calibration



# 3.53 Adjustment Requirement



