

MS-8H60			Instruction Manual					
Date	Prepared by		Approved by	Document nos	Revision			
11 Jun 2021	Ray Ling		Pavel	MS-8H60-IM-001	00			

INSTRUCTION MANUAL MS-8H60

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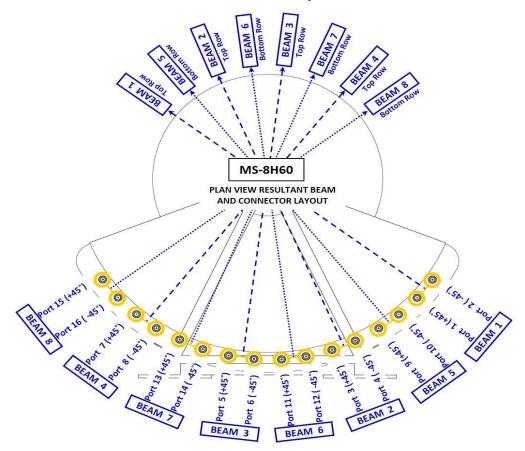
Revision History:

Date	Description	Revised by	Revision nos.

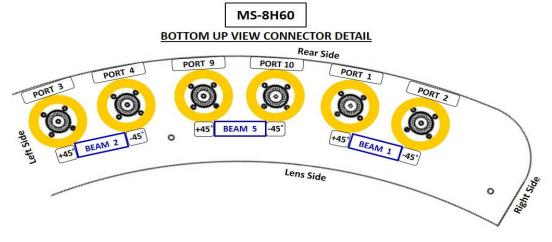
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1.00 BEAMS & CONNECTORS:

1.10 Plan View Resultant Beam And Connector Layout



1.20 Connector Details



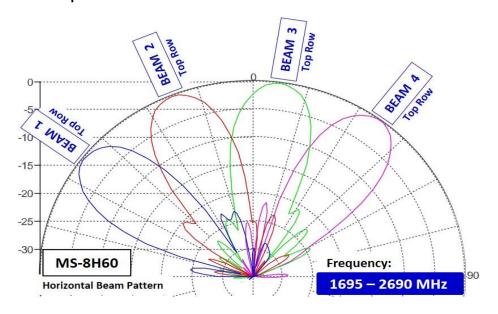
1.30 Connector Ports Table

Тор		BEAM 4		BEAM 3		BEAM 2		BEAM 1		
Rov		Port 7	Port 8	Port 5	Port 6	Port 3	Port 4	Port 1	Port 2	
		(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	
	BEA	M 8	BEA	M 7	BEA	M 6	BEA	M 5		
P	ort 15	Port 16	Port 13	Port 14	Port 11	Port 12	Port 9	Port 10	Bott	-
((+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	<u>Ro</u>	VV

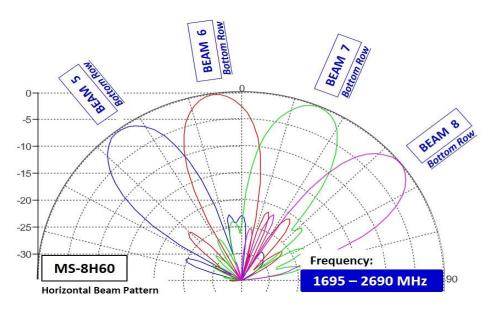
2.00 BEAM PATTERN

2.10 Horizontal Beam Pattern

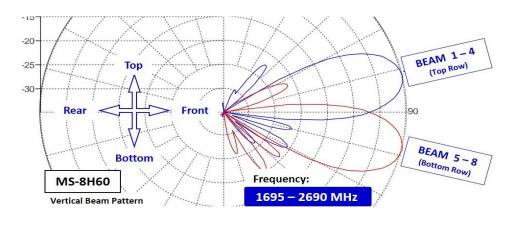
2.11 Top Row Beam 1 - 4



2.12 Bottom Row Beam 5 - 8



2.20 Vertical Beam Pattern

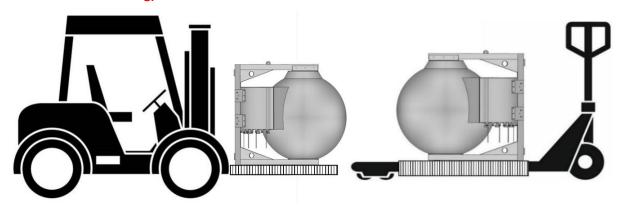


3.00 TRANSPORTATION / INSTALLATION

3.10 Transportation (From Point to Point)

Strictly comply to the local authority and regulatory on Workplace Safety and Health Control and Measure when moving and transporting of large or heavy equipment.

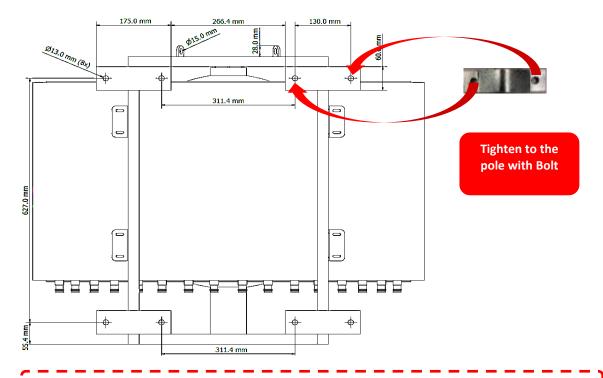
Appropriate material handling machine should be used. (Risk Assessment applies for Forklift or Pallet Truck Lifting)



3.20 Bracket Mounting

Lens Size (Model)	Bracket Qty (pc)	Bolt & Nuts Size	Bolts Set (pc)	
180 (cm) Lens	6	M14 x 16cm	12	
45, 60,90,120 (cm) Lens	4	M12 x 16cm	8	





I Important Notes:

I End User is required to CUSTOM-MAKE the additional supporting bracket and tighten it

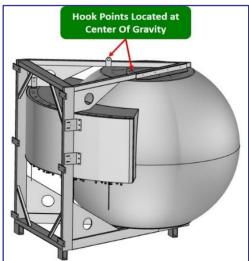
3.30 Installation using a crane

Strictly comply to the local authority and regulatory on Workplace Safety and Health Control and Measure when performing lifting of large or heavy equipment, appropriate material handling machine should be used and only certified personnel should perform the task. (Risk

Assessment requirement applies for both Up-Lifting and Down-Lifting.)

3.31 Lifting the Antenna

The antenna has 2 hook points installed on the top frame (located slightly behind the center of the sphere). These hooks are designed at the center of gravity point of the antenna. A cable, rope can be securely fastened to the hooks and the antenna can be lifted using a crane as pictured below.







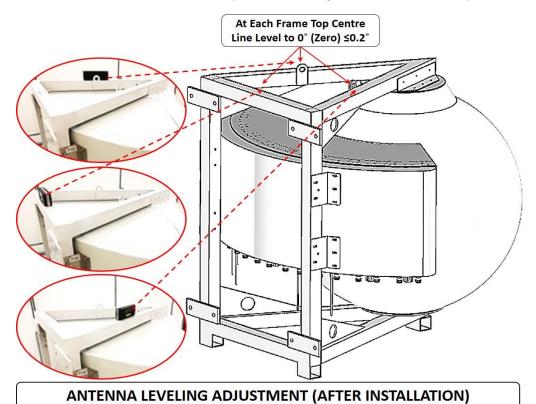


3.40 Antenna Installation

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.

3.41 Antenna Leveling

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



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3.42 Digital Level Gauge Calibration



3.43 Adjustment Requirement



