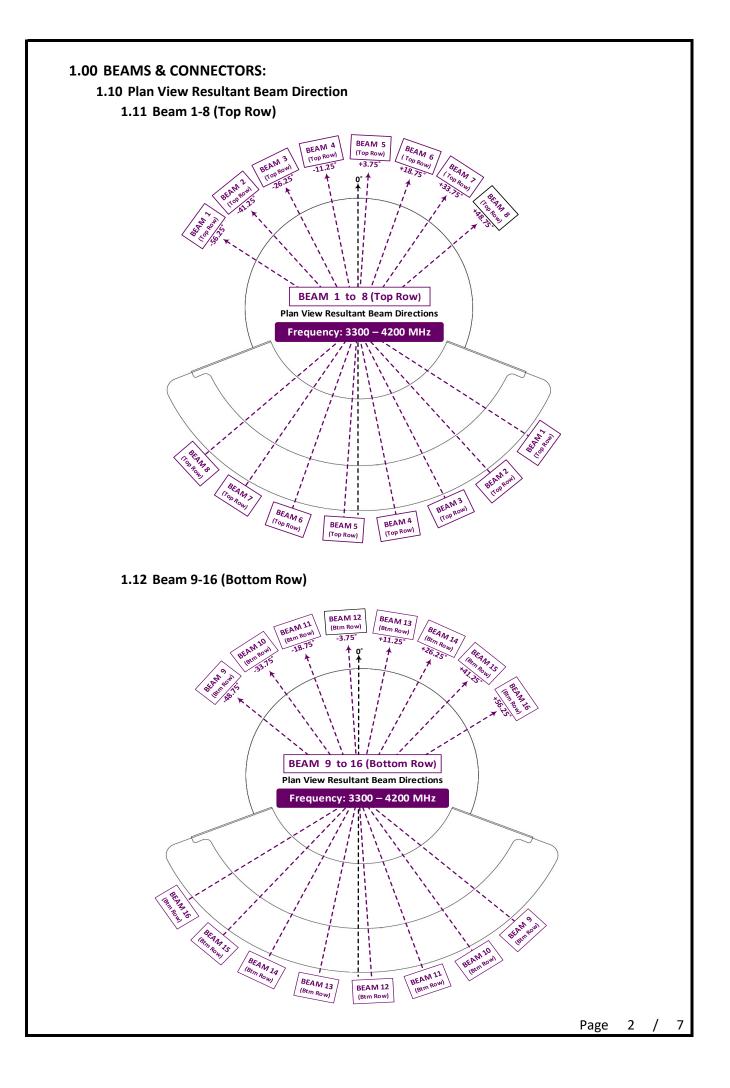
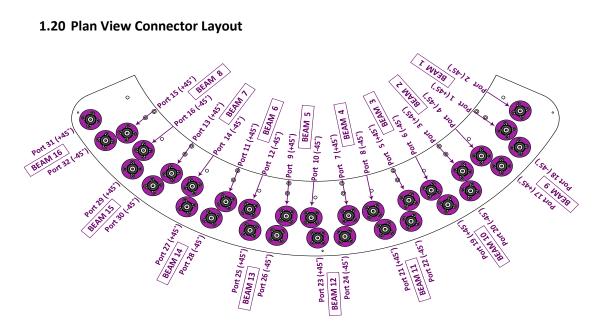
	MS-1	.6F60	Instruction Manual						
LENS TECHNOLOGY ENABLED	Date	Prepared by	Approved by	Document nos	Revisio				
	27 May 2022	Ray Ling	Pavel	MS-16F60-IM-001	. 00				
	<u>INSTRU(</u>	CTION MA	NUAL MS-:	<u>16F60</u>					
TABLE OF C	ONTENTS:								
1.00 BEAMS	S & CONNECTO	RS:							
1.10 Pla	n View Resultant	Beam Direction							
1.11	Beam 1-8 (Top F	Row)							
	Beam 9-16 (Bot								
	n View Connecto	•							
1.30 Cor	nnector Ports Tab	ble							
2.00 PATTE	RN DIAGRAM								
	tical Beam Patte								
	rizontal Beam Pat								
2.30 Hoi	rizontal Beam Pat	ttern (Bottom Ro	ow)						
	PORTATION / I								
	nsportation (From	m Point to Point)							
	cket Mounting tallation using a c								
	Lifting the Anter								
	tenna Installation								
	Antenna Levelin								
3.42	Digital Level Gau	uge Calibration							
3.43	Adjustment Req	uirement							
Revision History:									
Date		Description		Revised by	Revision				
Date		Description		Revised by	nos.				
├ ─── ├ ─									
ь — І				<u> </u>					

email: info@matsing.com

Page 1 / 7



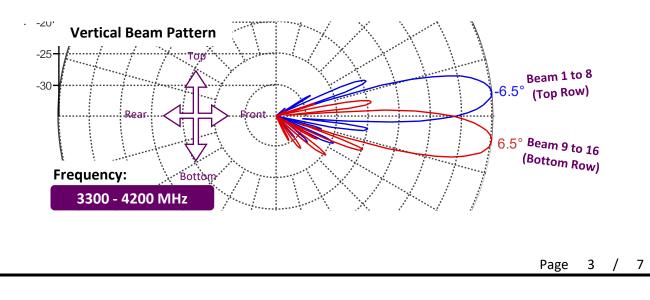


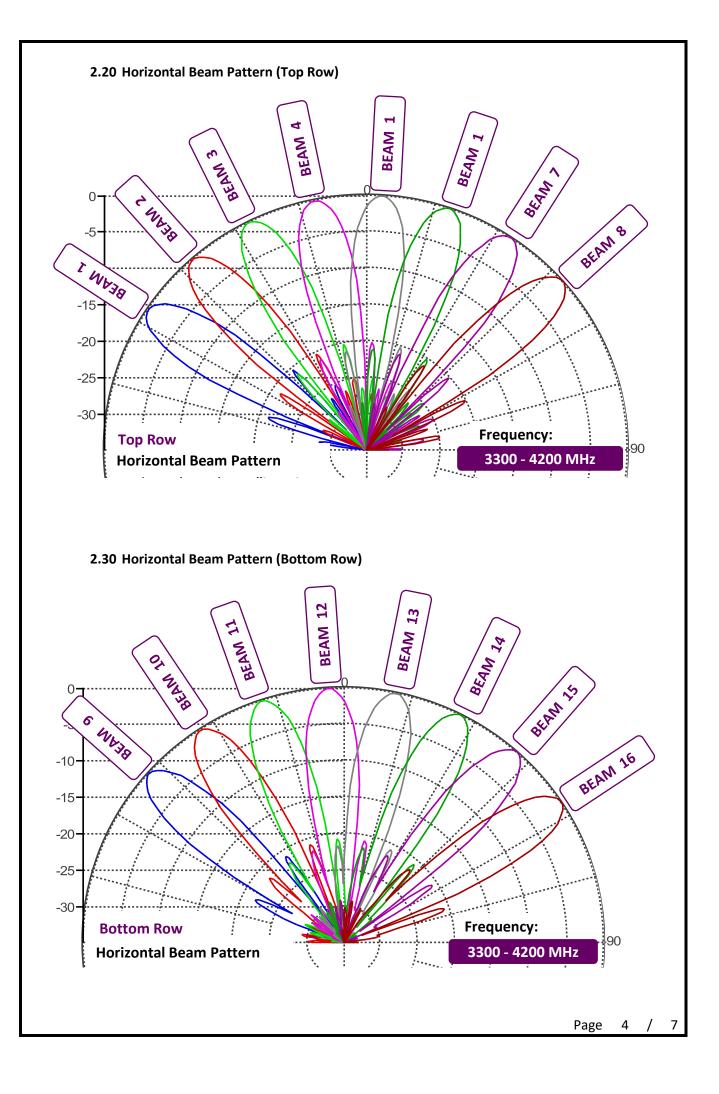
1.30 Connector Ports Table

	BE	٩M	BE/	۹M	BE/	٩M	BE/	٩M	BE	AM	BE/	۹M	BE/	٩M	BE	٩M
	8	3	7	7	(5	5	5	4	1	3	3	2	2	1	1
Top Row	PORT 15 (+45°)	PORT 16 (-45°)	PORT 13 (+45°)	PORT 14 (-45°)	PORT 11 (+45°)	PORT 12 (-45°)	PORT 9 (+45°)	PORT 10 (-45°)	PORT 7 (+45°)	PORT 8 (-45°)	PORT 5 (+45°)	PORT 6 (-45°)	PORT 3 (+45°)	PORT 4 (-45°)	PORT 1 (+45°)	PORT 2 (-45°)

BE/		BE/		BE/	AM 4	BE/			AM 2	BE/	AM 1	BE/		BE	AM	
	0	(-			ء د		2		±	- ((,	Row
(+45°	-45°	(+45°	-45°)	(+45°	-45°)	(+45°)	-45°	(+45°)	-45°	(+45°)	-45°	(+45°	-45°	+45°	-45°	
31 (32 (29 (30 (27 (28 (25 (26 (23 (24 (21 (22 (19 () 03	2	8	Bottom
RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT 2	RT 1	RT 1	Bc
РО	РО	РО	РО	Od	РО	ОЧ	РО	Od	РО	ОЧ	РО	РО	РО	Od	РО	

2.00 PATTERN DIAGRAM 2.10 Vertical Beam Pattern



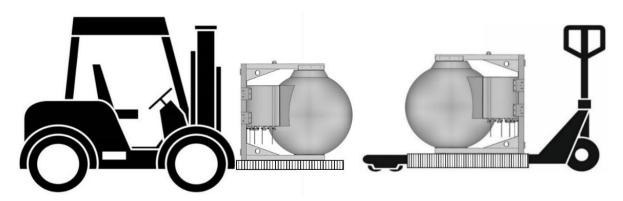


3.00 TRANSPORTATION / INSTALLATION

3.10 Transportation (From Point to Point)

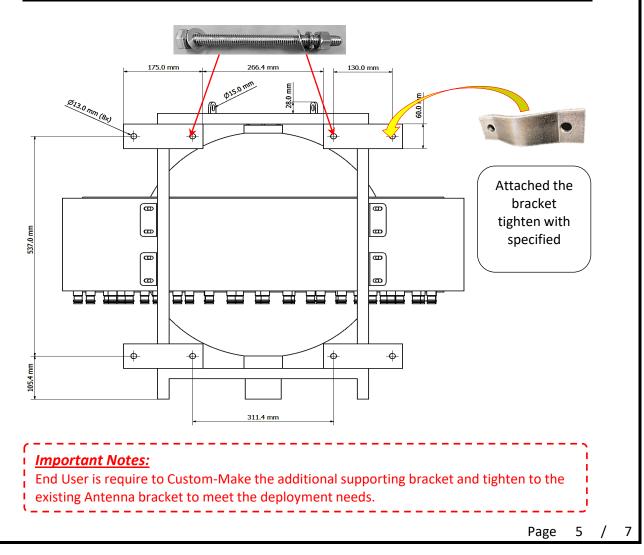
Strictly comply to the Local authority and regulatory on Workplace Safety and Health Control and Measure when moving and transportation of large or heavy equipment, appropriate material handling machine should be use.

(Risk Assessment apply for Forklift or Pallet Truck Lifting)



3.20 Bracket Mounting

Item	Lens/Types	Holes Size	Bracket Qty	<u>OPEN</u> end bolt & nuts sets				
1	30cm to 120cm	Ø 13mm x 8	4	M12 x 15cm=8sets				



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 Bracket Mounting Procedure</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 $\leq 0.2^{\circ}$ on 3 sides of the frame top level.(Rear, Right & Left=As shown in picture)

