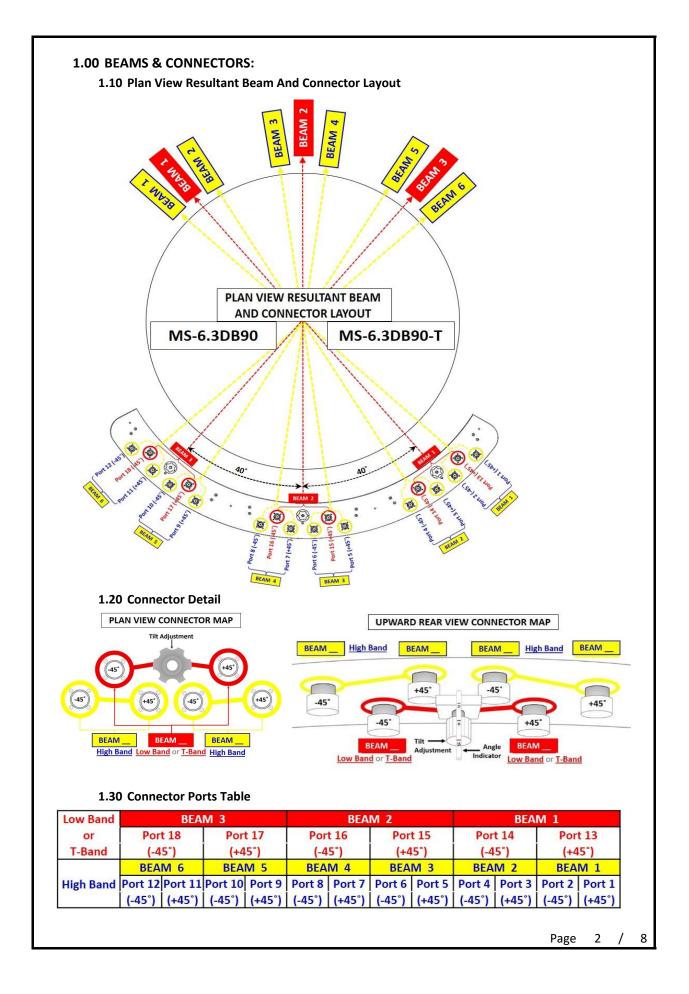
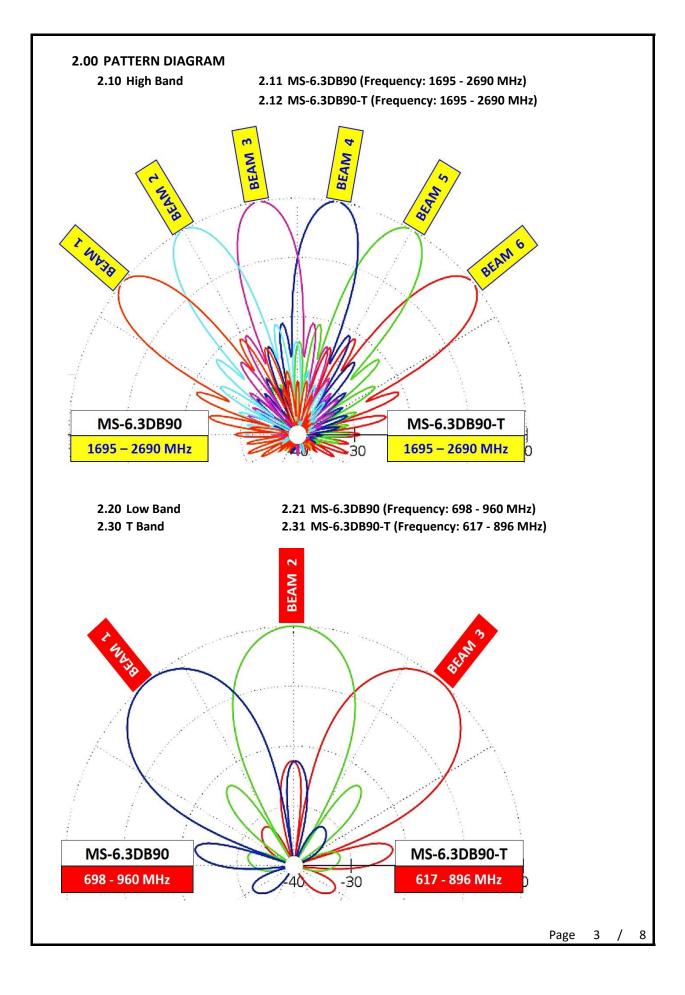
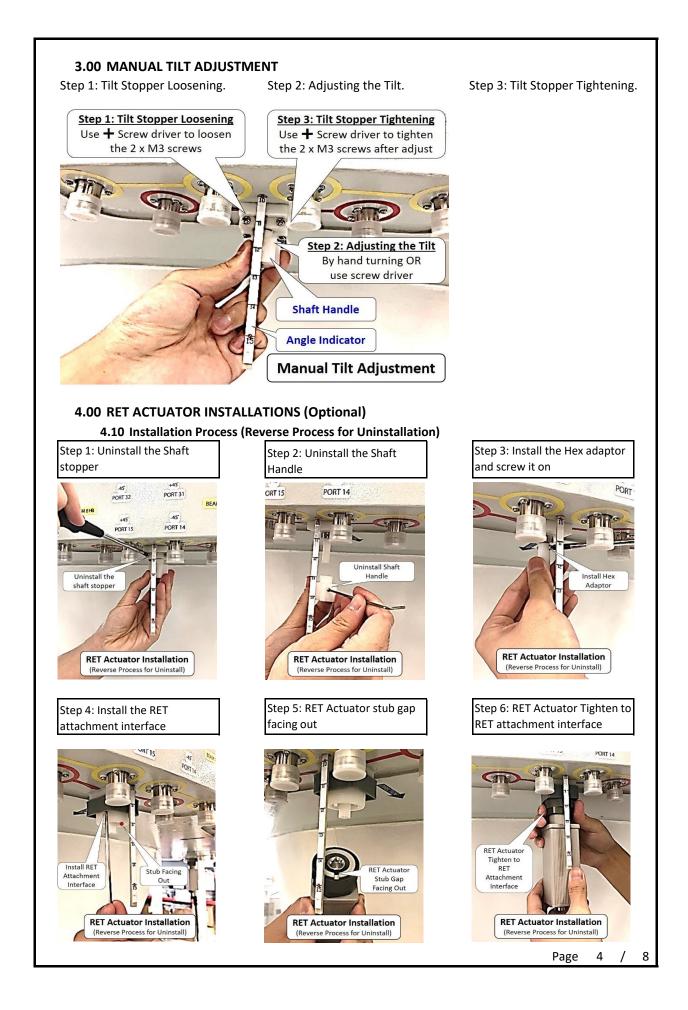
LENS TECHNOLOGY E	Date	Prepared by	Approved by	Document nos	Revisi
	19 May 2020	Ray Ling	Pavel Lagoiski	MS-6.3-IM-001	1
TABLE OI	Applicable M	odel: MS-6.	<u>3DB90, MS-6</u>	5.3DB90-T	
1 00 BE	AMS & CONNECTO	PC.			
	Plan View Resultant		ector Layout		
	Connector Detail				
1.30	Connector Ports Tab	ble			
2.00 PA	TTERN DIAGRAM				
	High Band				
	2.11 MS-6.3DB90 (Fr		-		
	2.12 MS-6.3DB90-T (	Frequency: 1695	- 2690 MHz)		
	Low Band		CO N411-)		
	2.21 MS-6.3DB90 (Fr T Band	equency: 698 - 96	ou whz)		
	2.31 MS-6.3DB90-T (	Frequency: 617 -	896 MHz)		
3.00 MA	NUAL TILT ADJUST	MENT			
4.00 RE	T ACTUATOR INSTA	ALLATIONS (Opt	ional)		
	Installation Process		for Uninstallation)		
	4.20 RET Actuator kit	t and tools			
	ANSPORTATION / I				
	Transportation (From Bracket Mounting				
	Installation using a c	rane			
	5.31 Lifting the Ante				
	Antenna Installation				
	5.41 Antenna Levelli	ng			
	5.42 Digital Level Ga	uge Calibration			
	5.43 Adjustment Rec	luirement			
Revision History	/: 				<b>D</b>
Date		Description		Revised by	Revision nos.
19-May-20	To include MS-6.3D requirement.	B90-T and update	all to newest	Ray Ling	1

email: info@matsing.com

Page 1 / 8





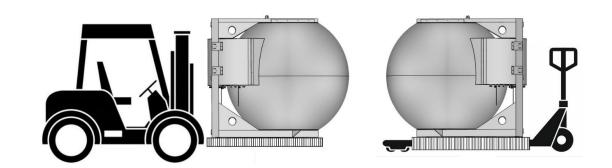




# **5.00 TRANSPORTATION / INSTALLATION**

## 5.10 Transportation (From Point to Point)

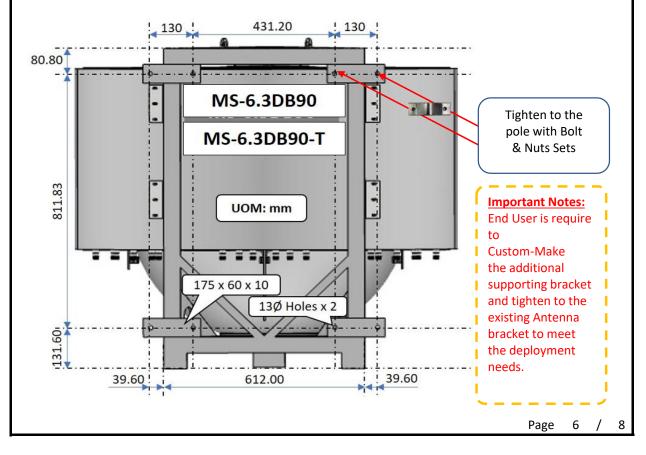
Strictly comply to the Local authority and regulatory on Workplace Safety and Health Control and Measure when moving and transportation of large or heavy equipment, appropriate material handling machine should be use. (Risk Assessment apply for Forklift or Pallet Truck Lifting)



5.20	Bracket Mounting
0.20	Diadice in our in the

Lens Size (Model)	Bracket Qty (pc)	Bolt & Nuts Size	Bolts Set (pc)
MS-XXX180 Lens	6	M14 x 15cm	12
MS-XXXX 60,90,120 Lens	4	M12 x 15cm	8





#### 5.30 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 use and only certified personal should perform the task. (Risk Assessment require to apply for both Up-Lifting and Down-Lifting.)

### 5.31 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 or forklift as pictured below.



## 5.40 Antenna Installation

With reference to "**Bracket Mounting" Procedure**, End user is required to Custom-Make the additional supporting bracket and tighten it to the existing Antenna bracket to meet the deployment needs.

### 5.41 Antenna Levelling

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)

