

MS-18	F45	Instruction Manual					
Date	Prepared by	/ Approved by	Document nos	Revision			
11 Jun 2021	Ray Ling	Pavel	MS-18F45-IM-001	00			

INSTRUCTION MANUAL MS-18F45

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Revision History:

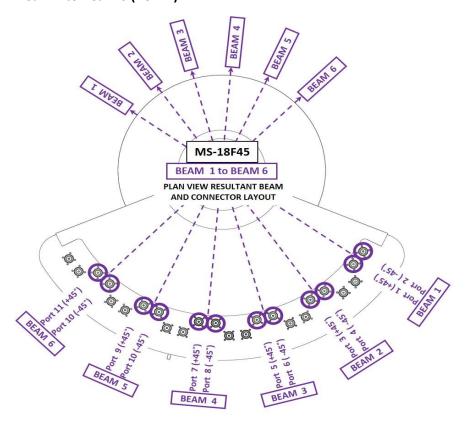
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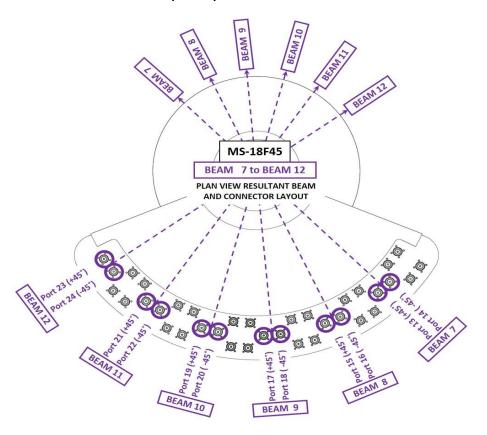
1.00 BEAMS & CONNECTORS:

1.10 Plan View Resultant Beam And Connector Layout

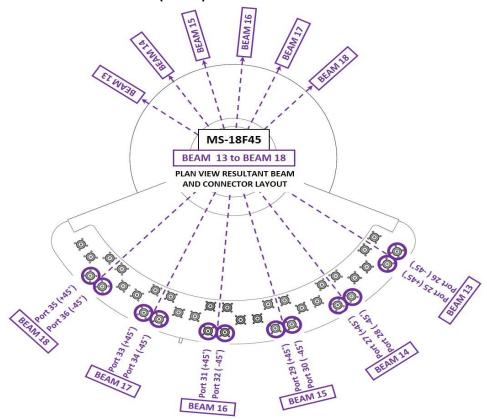
1.11 Beam 1 to Beam 6 (Row 1)



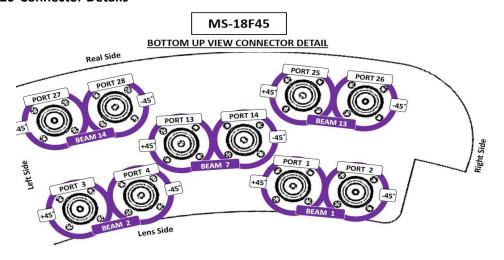
1.12 Beam 7 to Beam 12 (Row 2)



1.13 Beam 13 to Beam 18 (Row 3)

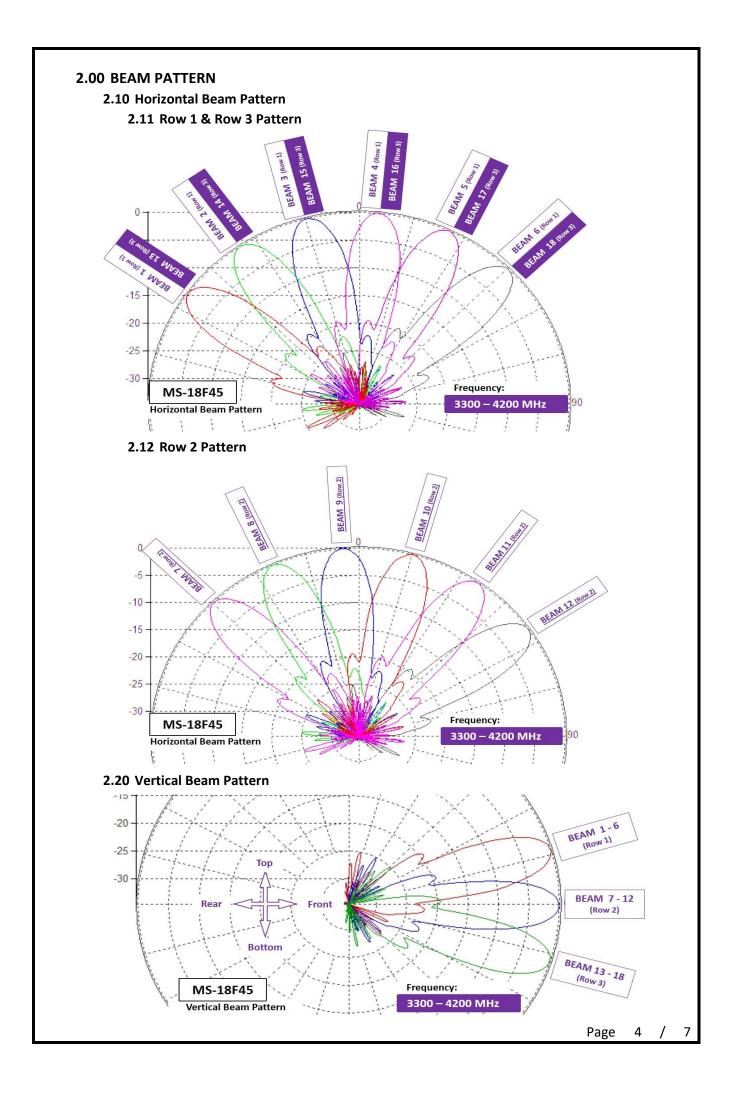


1.20 Connector Details



1.30 Connector Ports Table

	BEA	M 6	BEA	M 5	BEA	M 4	BEA	M 3	BEA	M 2	BEA	M 1
<u>Row</u> <u>1</u>	Port 11	Port 12	Port 9	Port 10	Port 7	Port 8	Port 5	Port 6	Port 3	Port 4	Port 1	Port 2
_	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)
BEAI	VI 12	BEAN	/I 11	BEAN	/ 10	BEA	M 9	BEA	M 8	BEA	M 7	
Port 23	Port 24	Port 21	Port 22	Port 19	Port 20	Port 17	Port 18	Port 15	Port 16	Port 13	Port 14	Row
(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	<u>2</u>
1000	BEAN	VI 18	BEAN	VI 17	BEAN	VI 16	BEAN	VI 15	BEAN	VI 14	BEAL	VI 13
Row	Port 35	Port 36	Port 33	Port 34	Port 31	Port 32	Port 29	Port 30	Port 27	Port 28	Port 25	Port 26
<u>3</u>	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)	(+45°)	(-45°)

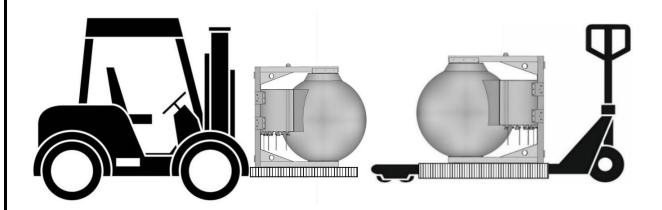


3.00 TRANSPORTATION / INSTALLATION

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.

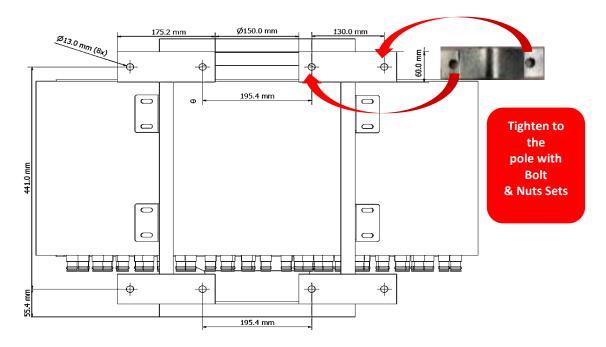
Appropriate material handling machine should be used. (Risk Assessment applies for Forklift or Pallet Truck Lifting)



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	





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

Using cable, rope or sling belt to cross over frame base 4 main area to the top and grouping by securing with fastener.







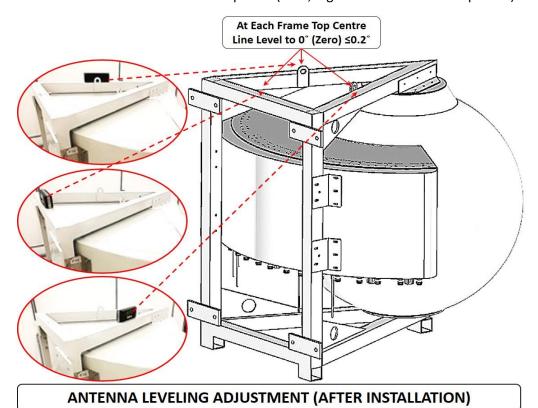


3.40 Antenna Installation

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)



3.42 Digital Level Gauge Calibration



3.43 Adjustment Requirement



