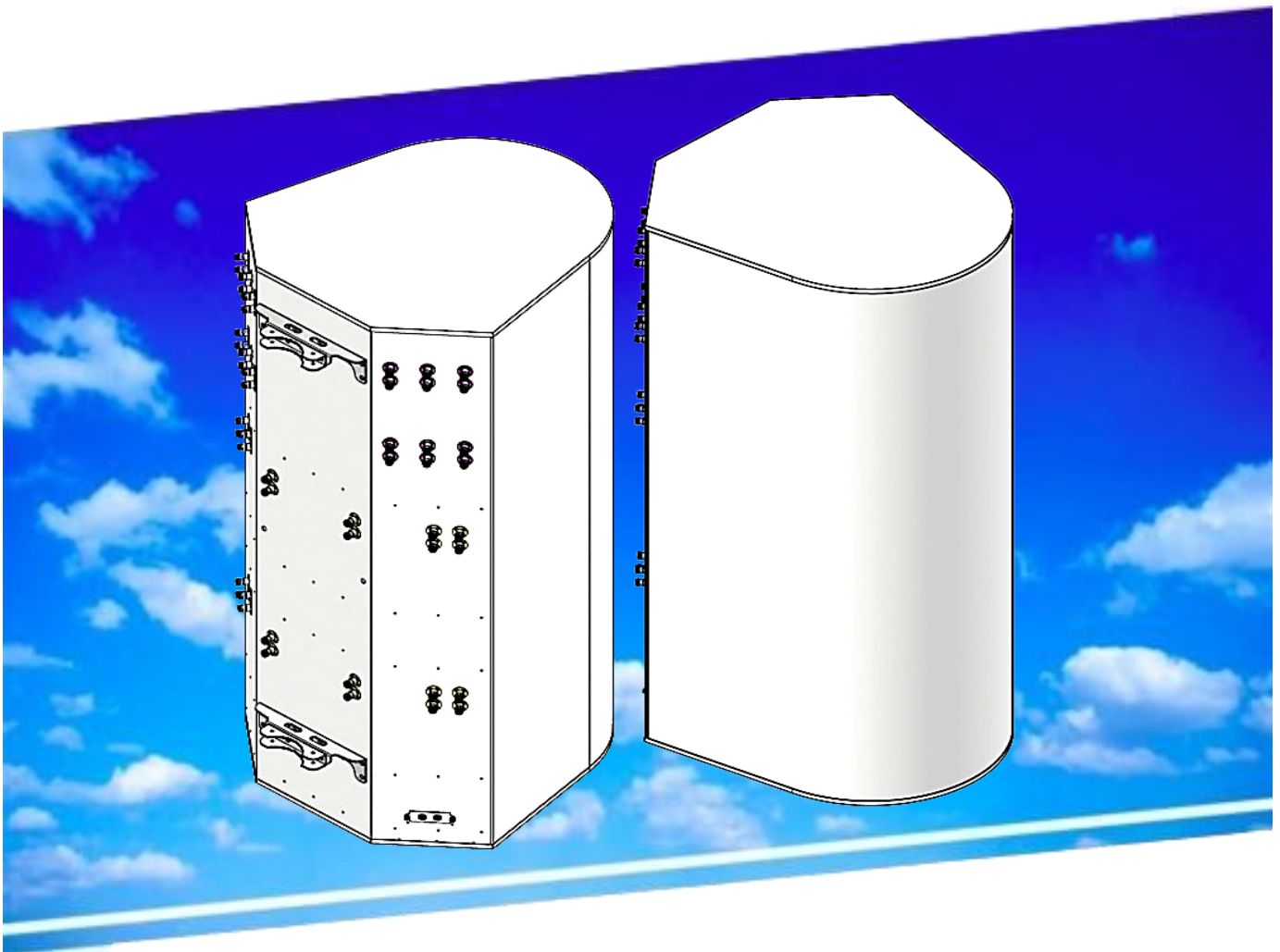


# MATSING<sup>®</sup>

LENS TECHNOLOGY ENABLED

## MS-MBA-6.6-C4-H4

### Instruction Manual



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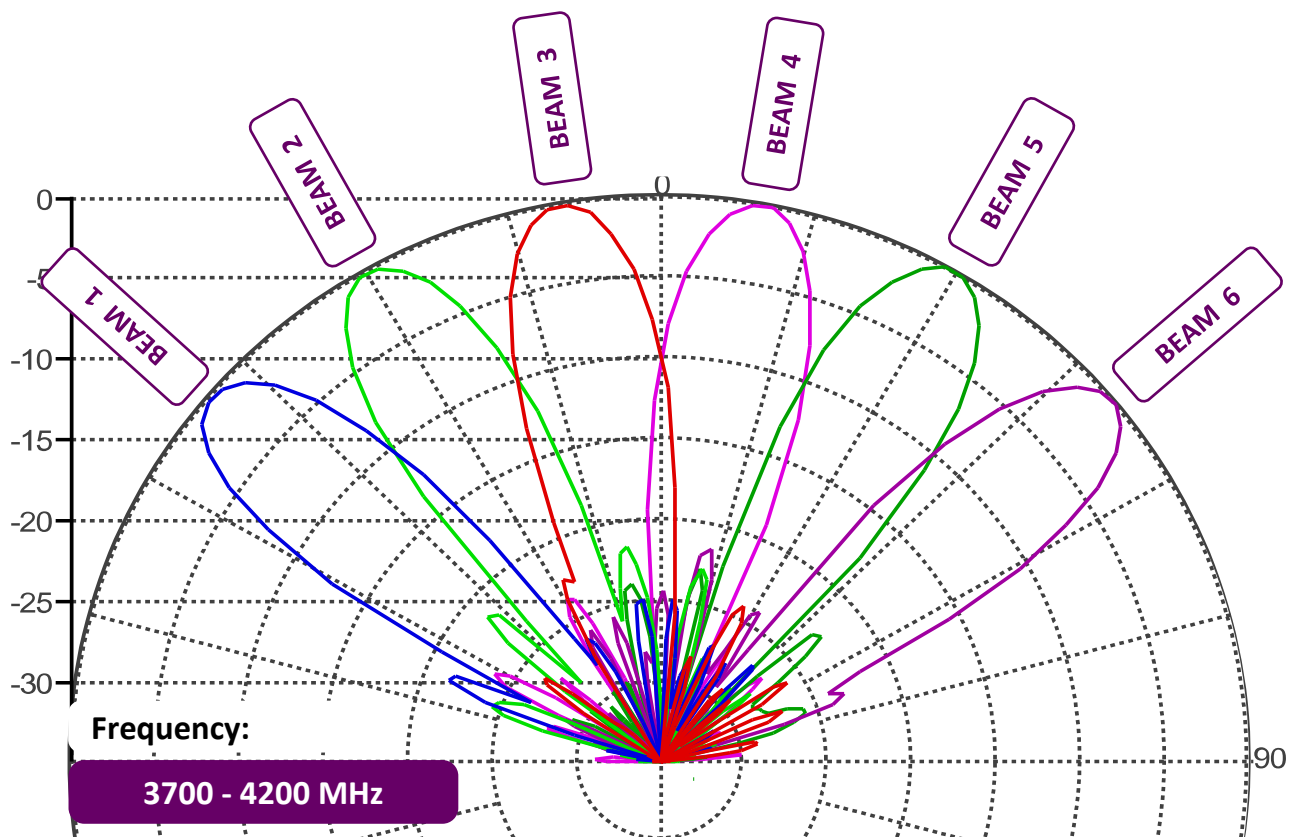
Revision History:

| <u>Date</u> | <u>Description</u> | <u>Rev By</u> | <u>Check By</u> | <u>Rev no</u> |
|-------------|--------------------|---------------|-----------------|---------------|
| 08-Apr-2025 | Initial Release    | RL            | Pavel           | 0             |
|             |                    |               |                 |               |

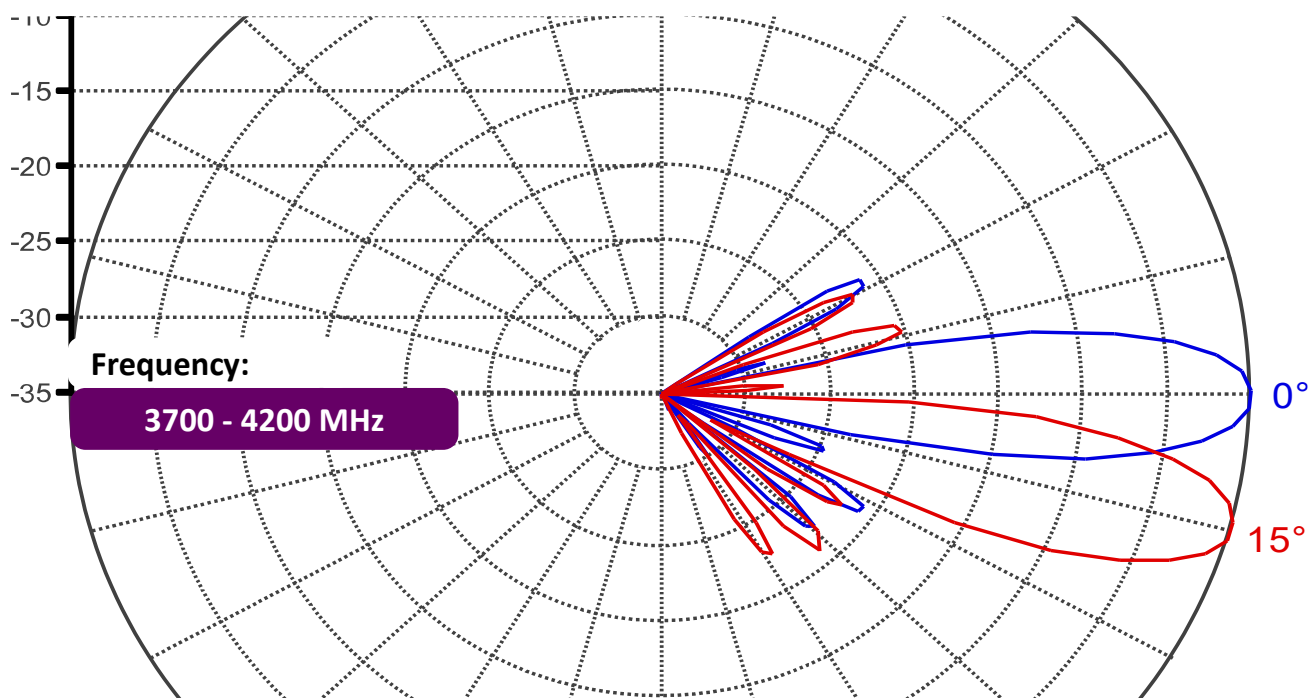
## 1.00 Pattern diagram

### 1.10 C-Band

#### 1.11 Horizontal pattern

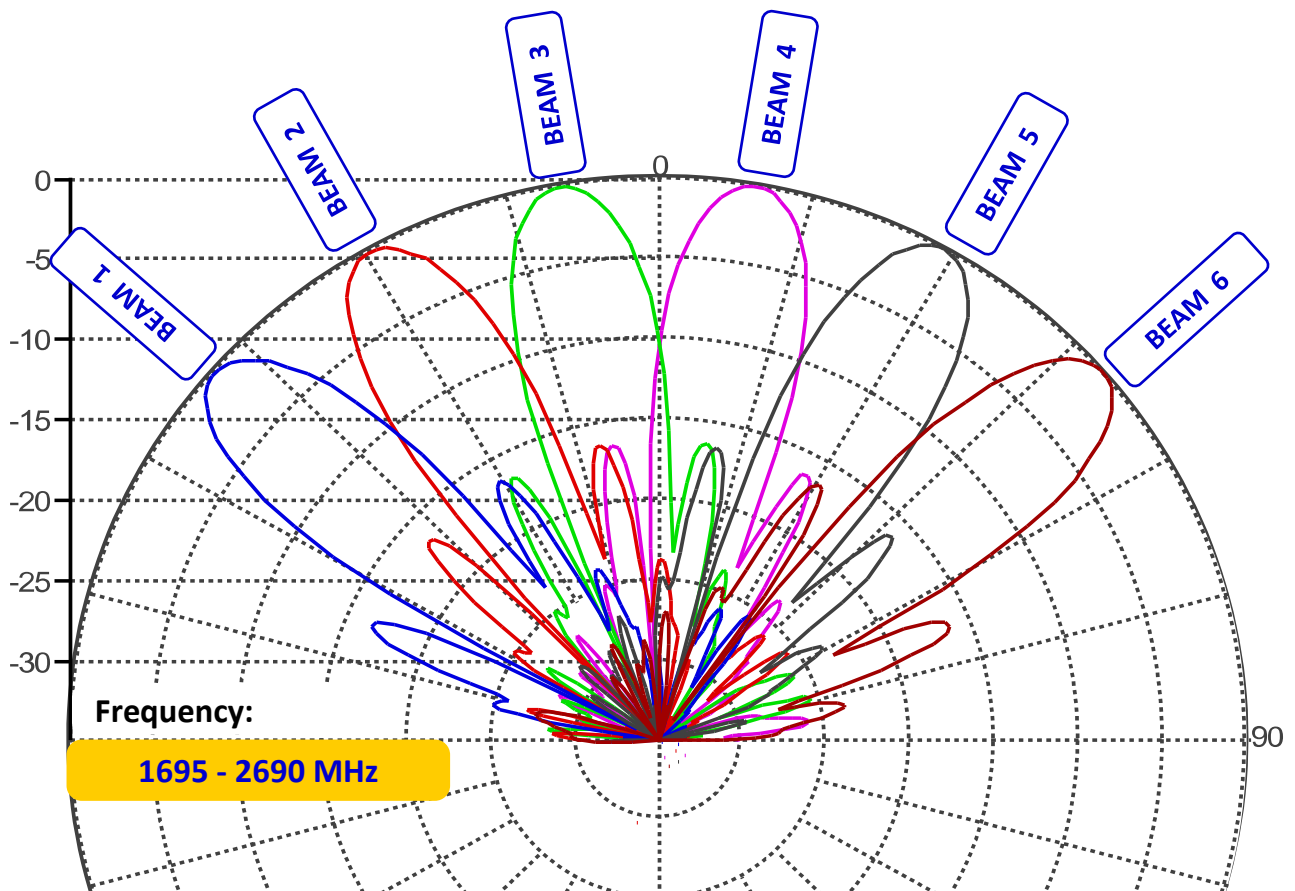


#### 1.12 Vertical pattern

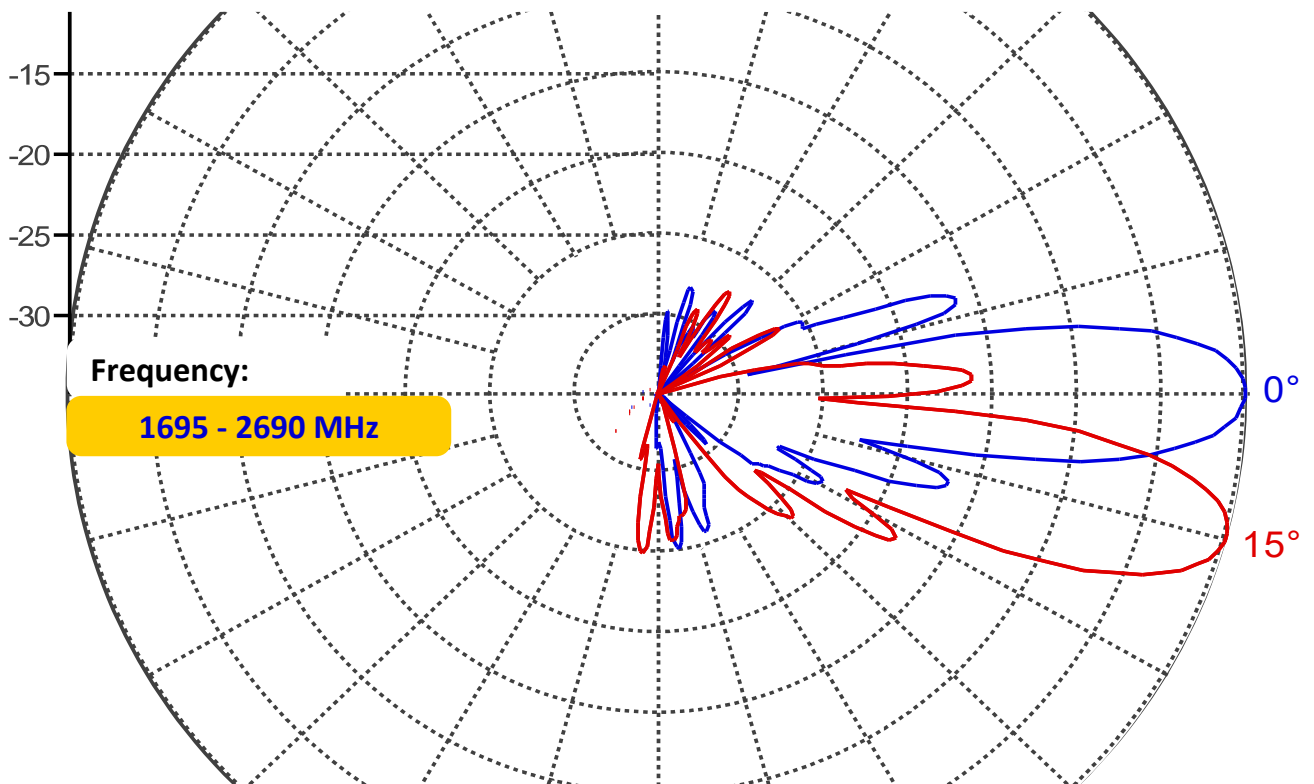


## 1.20 H-Band

### 1.21 Horizontal pattern

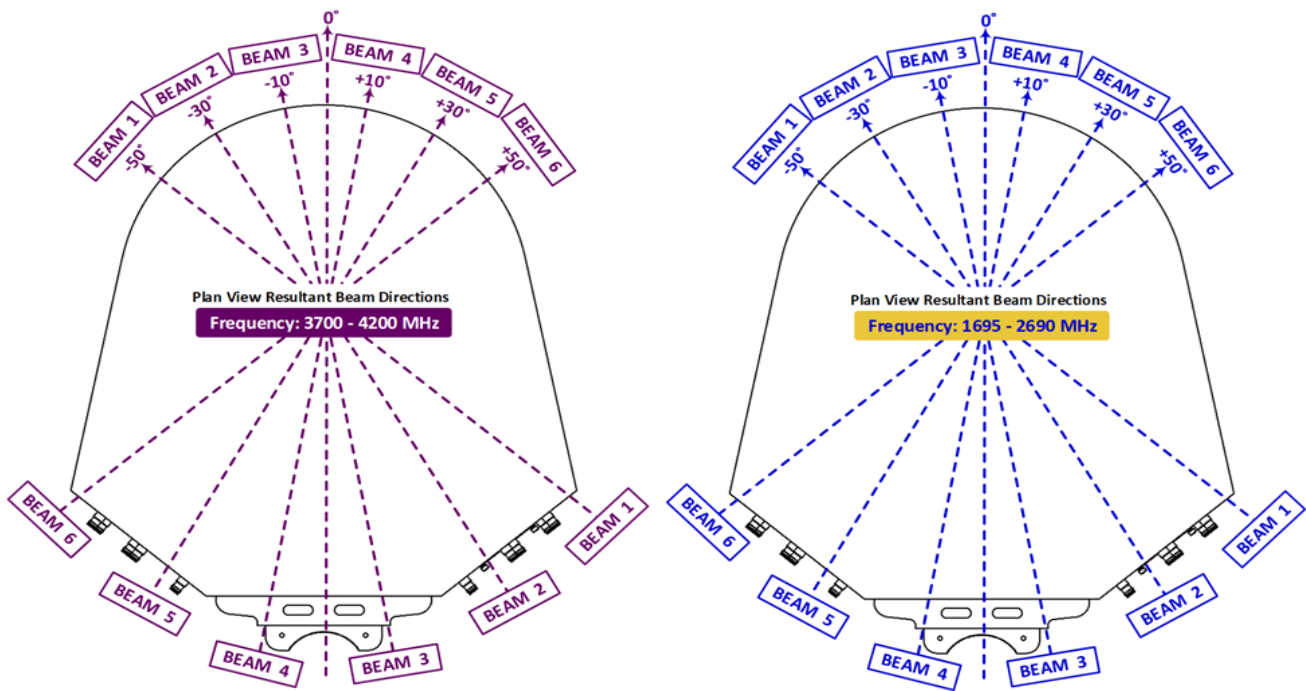


### 1.22 Vertical pattern

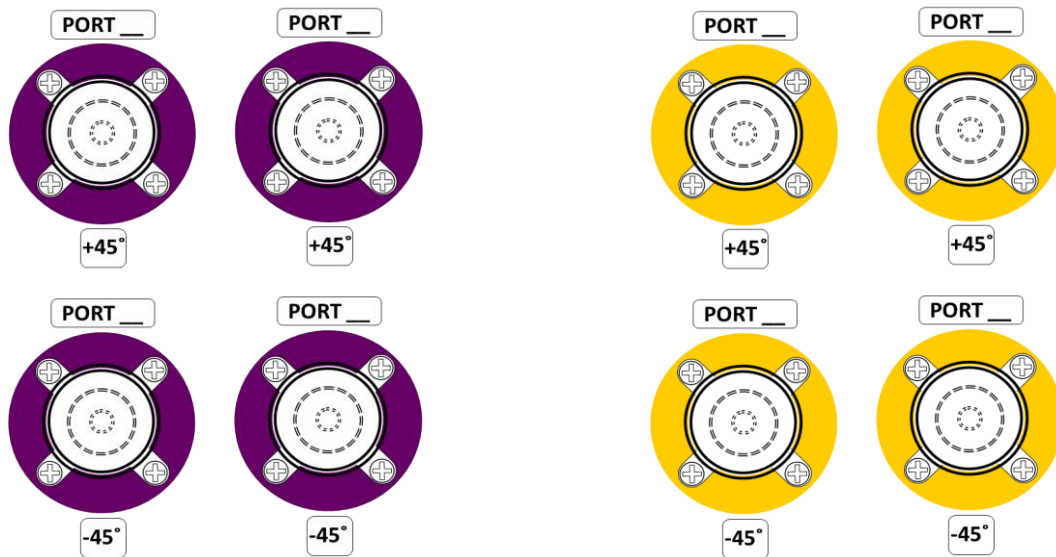


## 2.00 Beams and connectors

### 2.10 Plan view resultant beam layout



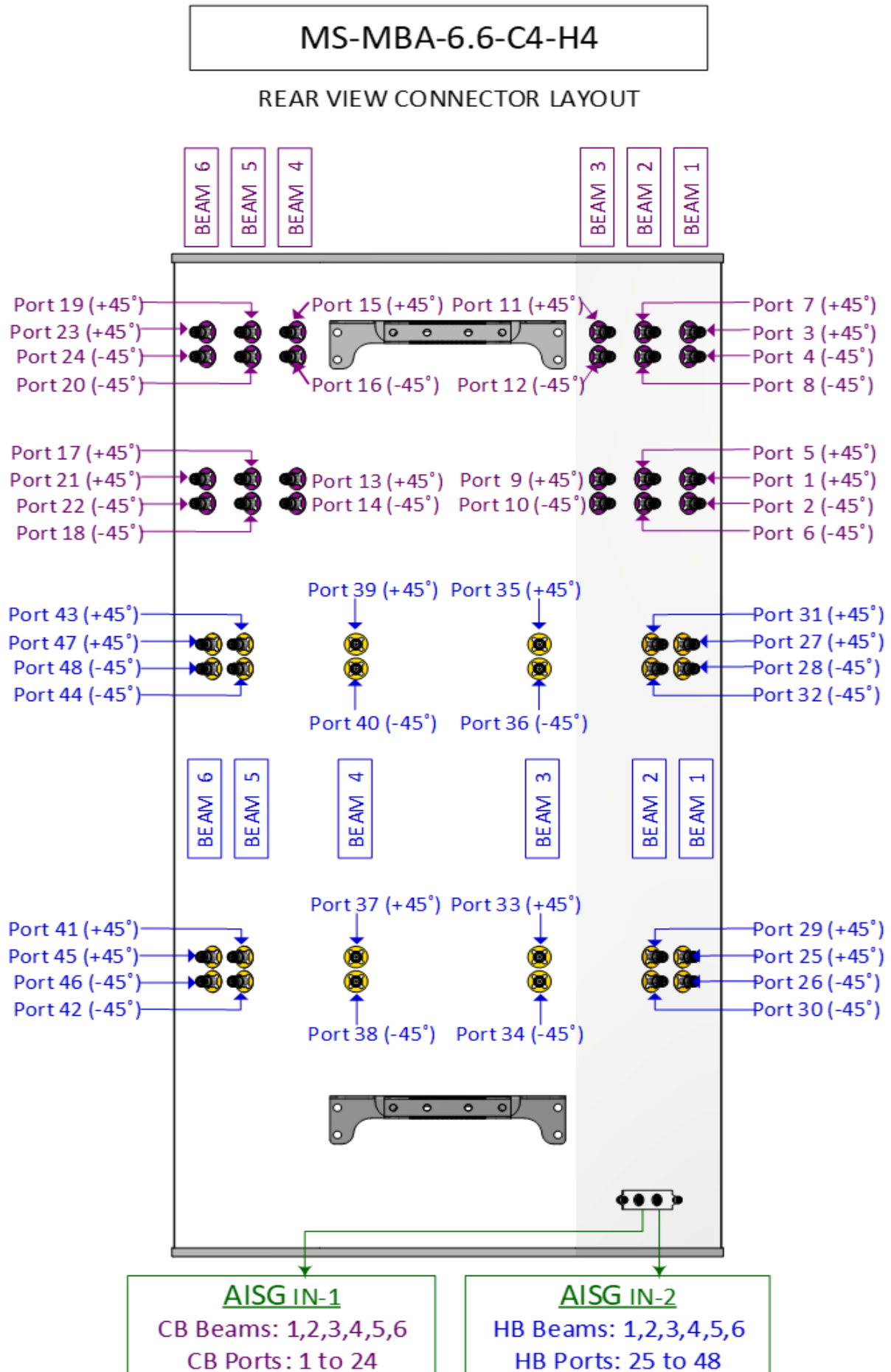
### 2.20 Connector detail



### 2.30 Connector port table

| BEAM 6         | BEAM 5         | BEAM 4         | BEAM 3         | BEAM 2         | BEAM 1         |
|----------------|----------------|----------------|----------------|----------------|----------------|
| Port 23 (+45°) | Port 19 (+45°) | Port 15 (+45°) | Port 11 (+45°) | Port 7 (+45°)  | Port 3 (+45°)  |
| Port 24 (-45°) | Port 20 (-45°) | Port 16 (-45°) | Port 12 (-45°) | Port 8 (-45°)  | Port 4 (-45°)  |
| Port 21 (+45°) | Port 17 (+45°) | Port 13 (+45°) | Port 9 (+45°)  | Port 5 (+45°)  | Port 1 (+45°)  |
| Port 22 (-45°) | Port 18 (-45°) | Port 14 (-45°) | Port 10 (-45°) | Port 6 (-45°)  | Port 2 (-45°)  |
| BEAM 6         | BEAM 5         | BEAM 4         | BEAM 3         | BEAM 2         | BEAM 1         |
| Port 47 (+45°) | Port 43 (+45°) | Port 39 (+45°) | Port 35 (+45°) | Port 31 (+45°) | Port 27 (+45°) |
| Port 48 (-45°) | Port 44 (-45°) | Port 40 (-45°) | Port 36 (-45°) | Port 32 (-45°) | Port 28 (-45°) |
| Port 45 (+45°) | Port 41 (+45°) | Port 37 (+45°) | Port 33 (+45°) | Port 29 (+45°) | Port 25 (+45°) |
| Port 46 (-45°) | Port 42 (-45°) | Port 38 (-45°) | Port 34 (-45°) | Port 30 (-45°) | Port 26 (-45°) |

## 2.40 Rear view connector layout



### 3.00 Bracket installation

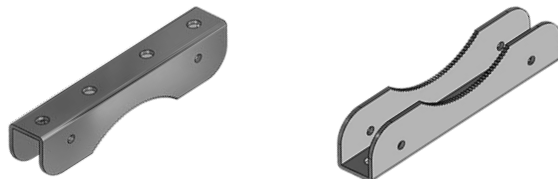
#### 3.10 Bolts and nuts / tools

| Bracket |           | Mounting Bolts |      | Nuts |      |
|---------|-----------|----------------|------|------|------|
| Qty     | Size      | Qty            | Size | Qty  | Size |
| 2       | M12x200mm | 4              | M12  | 8    | M12  |

#### 3.11 Bolt and nuts set



#### 3.12 Bracket



#### 3.20 Tools requirement

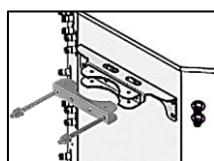
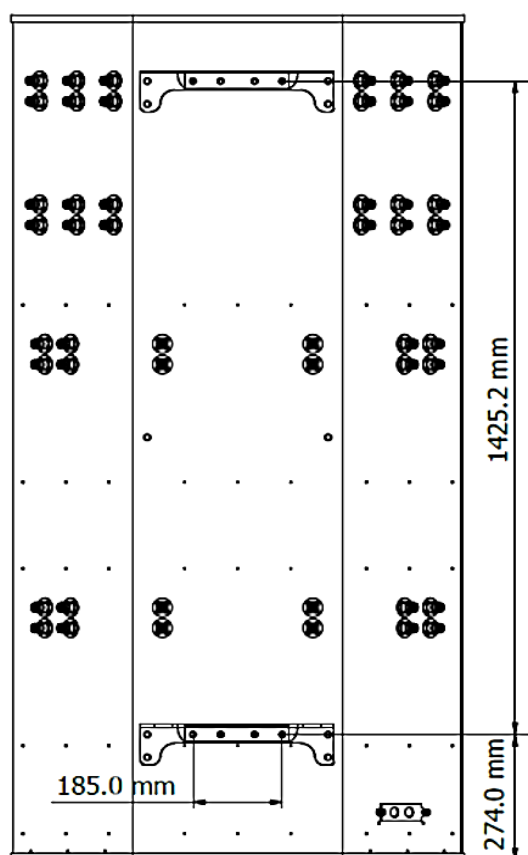
M12 spanner



Adjustable spanner



#### 3.30 Bracket spacing & installation guide



*Before  
installation*

