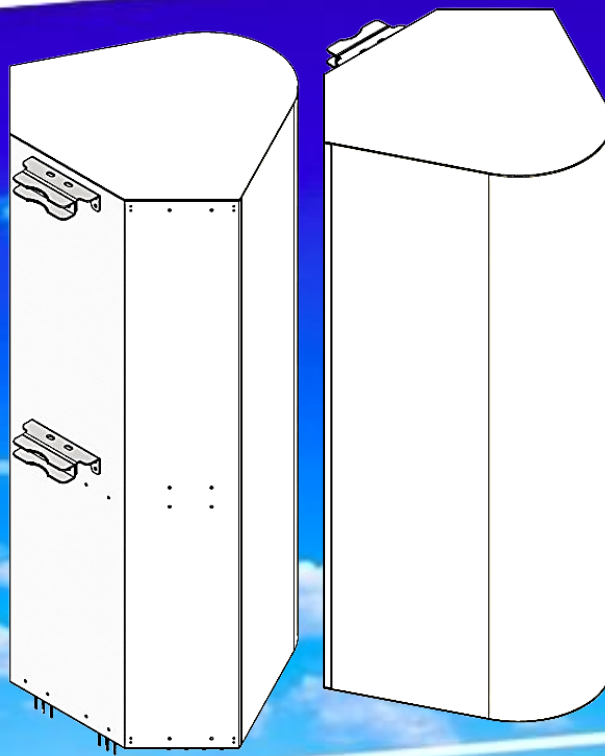


# **MATSING<sup>®</sup>**

**LENS TECHNOLOGY ENABLED**

## **MS-MBC-4.4.2-C2-6-H2-12-L2-20**

**Instruction Manual**



# Table of Contents

## 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
- 1.30 L-Band
  - 1.31 Horizontal pattern
  - 1.32 Vertical pattern

## 2.00 Beams and connectors

- 2.10 Plan view resultant beam layout
- 2.20 Connector port table
- 2.30 Connector detail
- 2.40 Connector layout

## 3.00 Bracket installation

- 3.10 Bolts and nuts / tools
  - 3.11 Bolt and nuts set
  - 3.12 Bracket
- 3.20 Tools requirement
- 3.30 Bracket spacing and installation sample

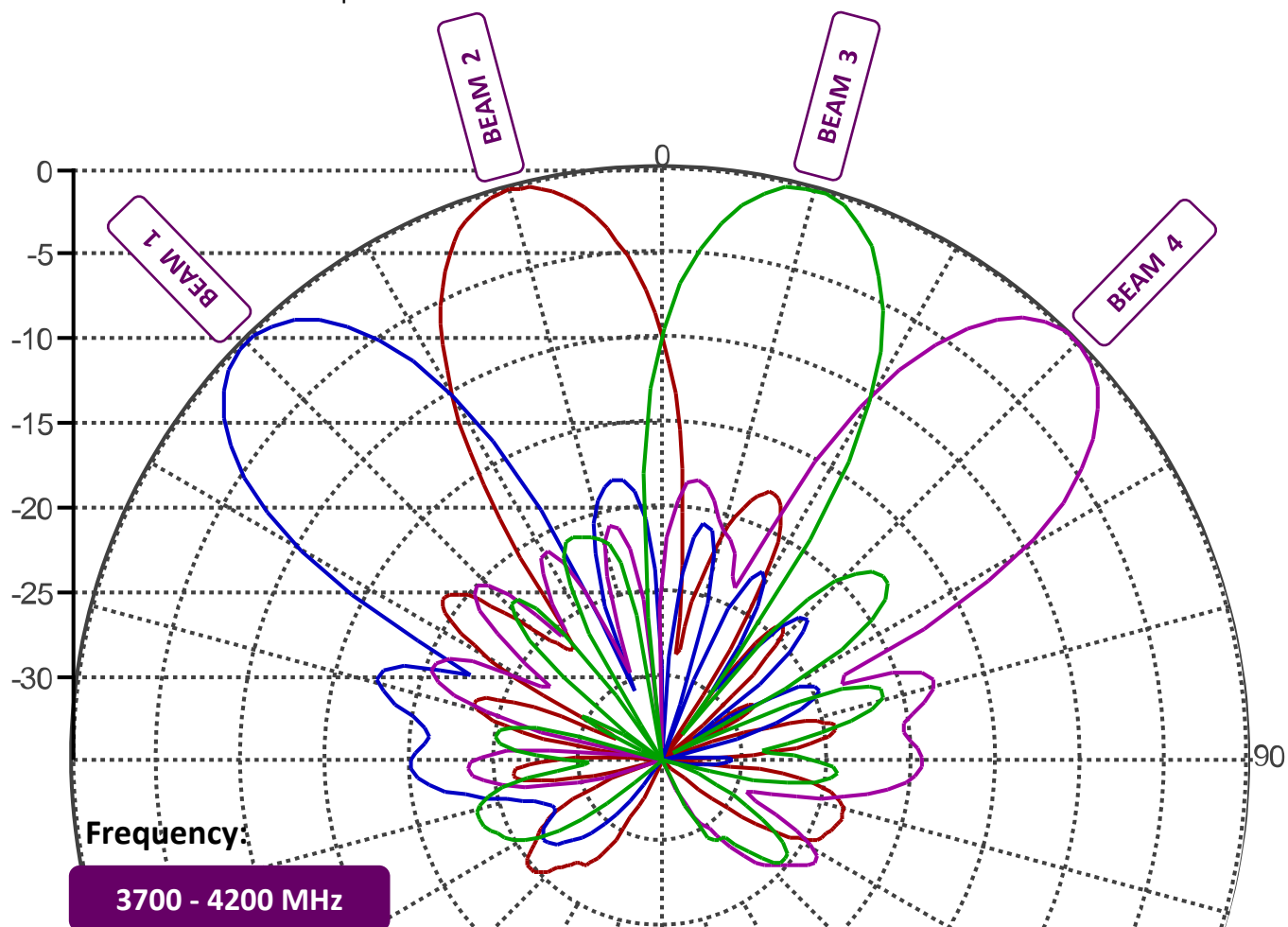
### Revision History:

| <u>Date</u> | <u>Description</u> | <u>Rev By</u> | <u>Check By</u> | <u>Rev no</u> |
|-------------|--------------------|---------------|-----------------|---------------|
| 11-Apr-2025 | Initial Release    | RL            | Pavel           | 0             |
|             |                    |               |                 |               |

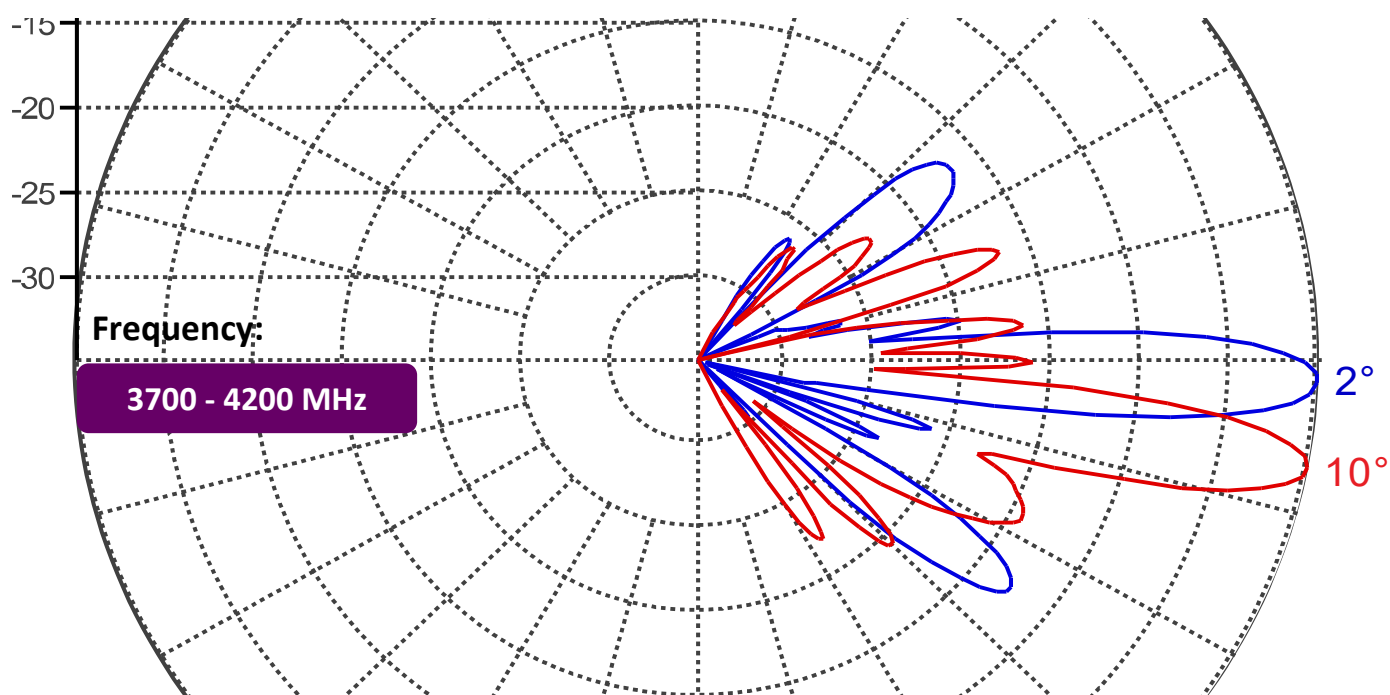
## 1.00 Pattern diagram

1.10 C-Band

1.11 Horizontal pattern

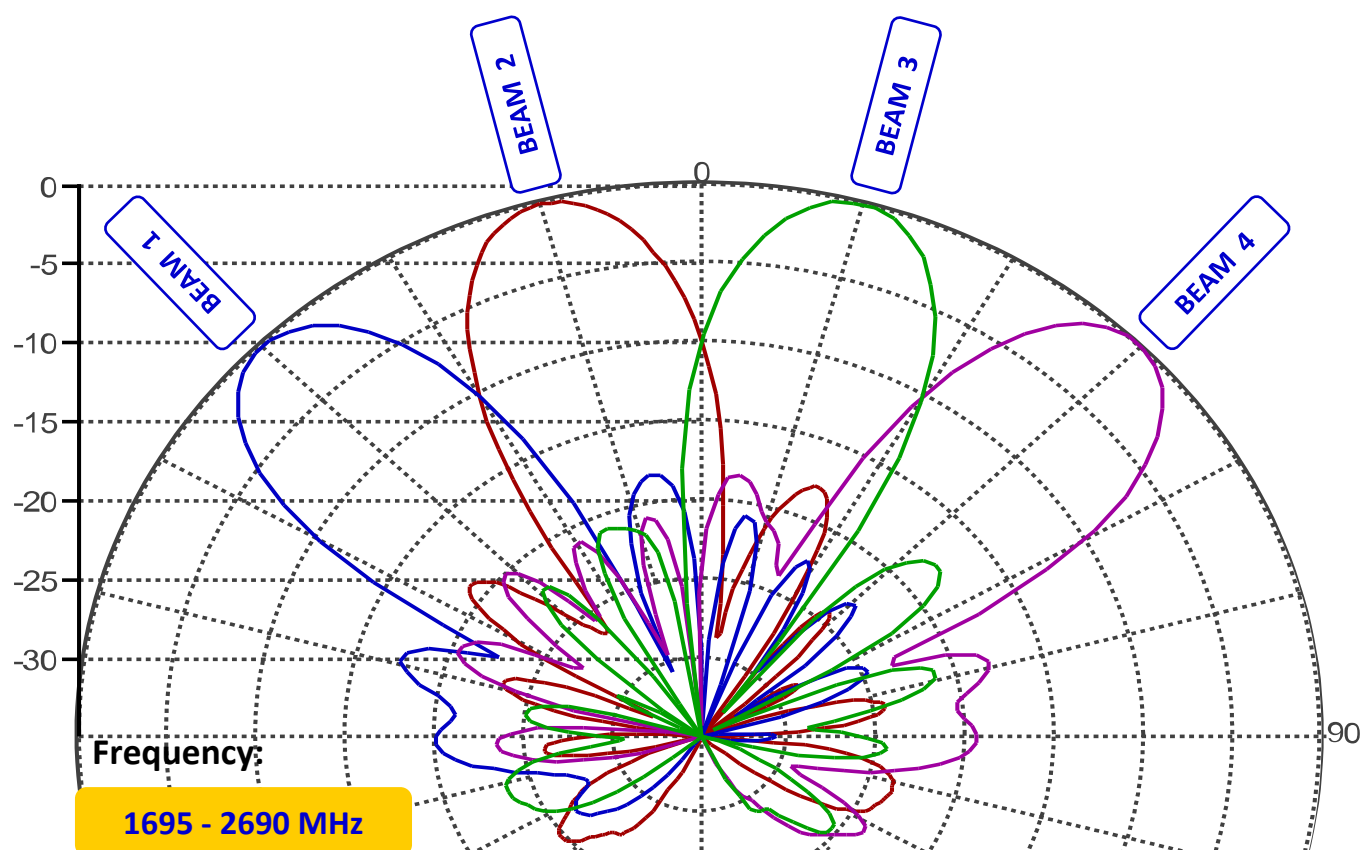


1.12 Vertical pattern

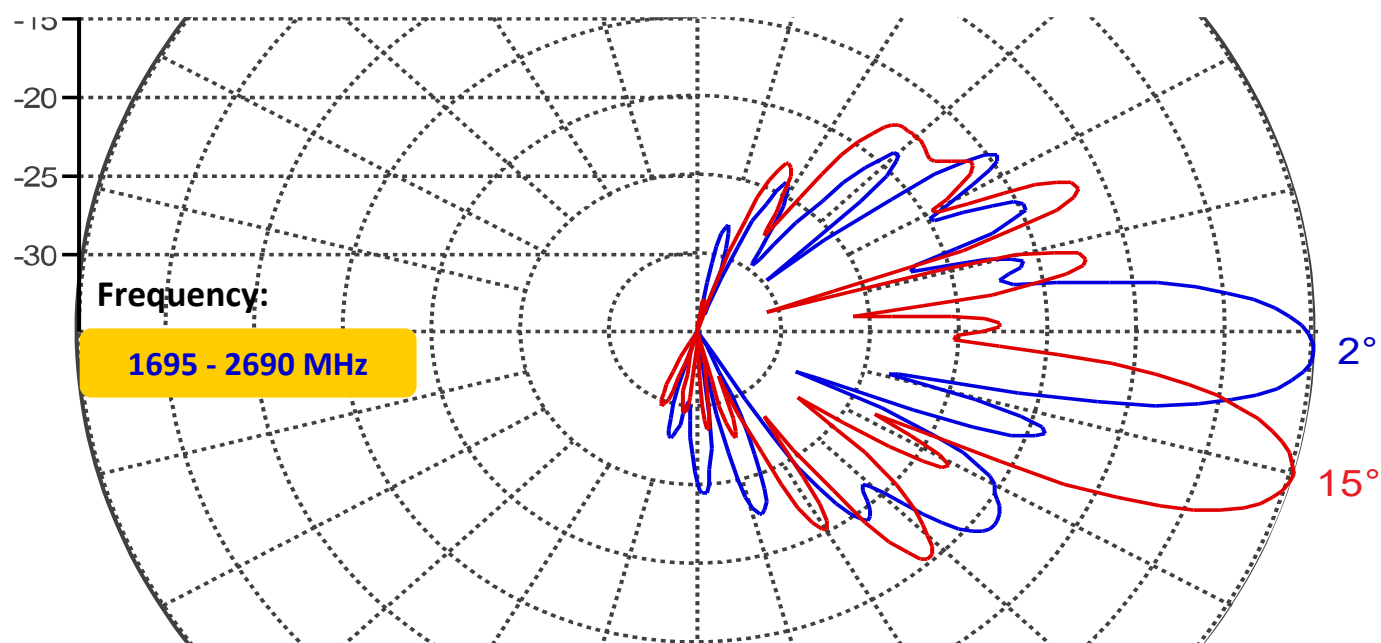


## 1.20 H-Band

### 1.21 Horizontal pattern

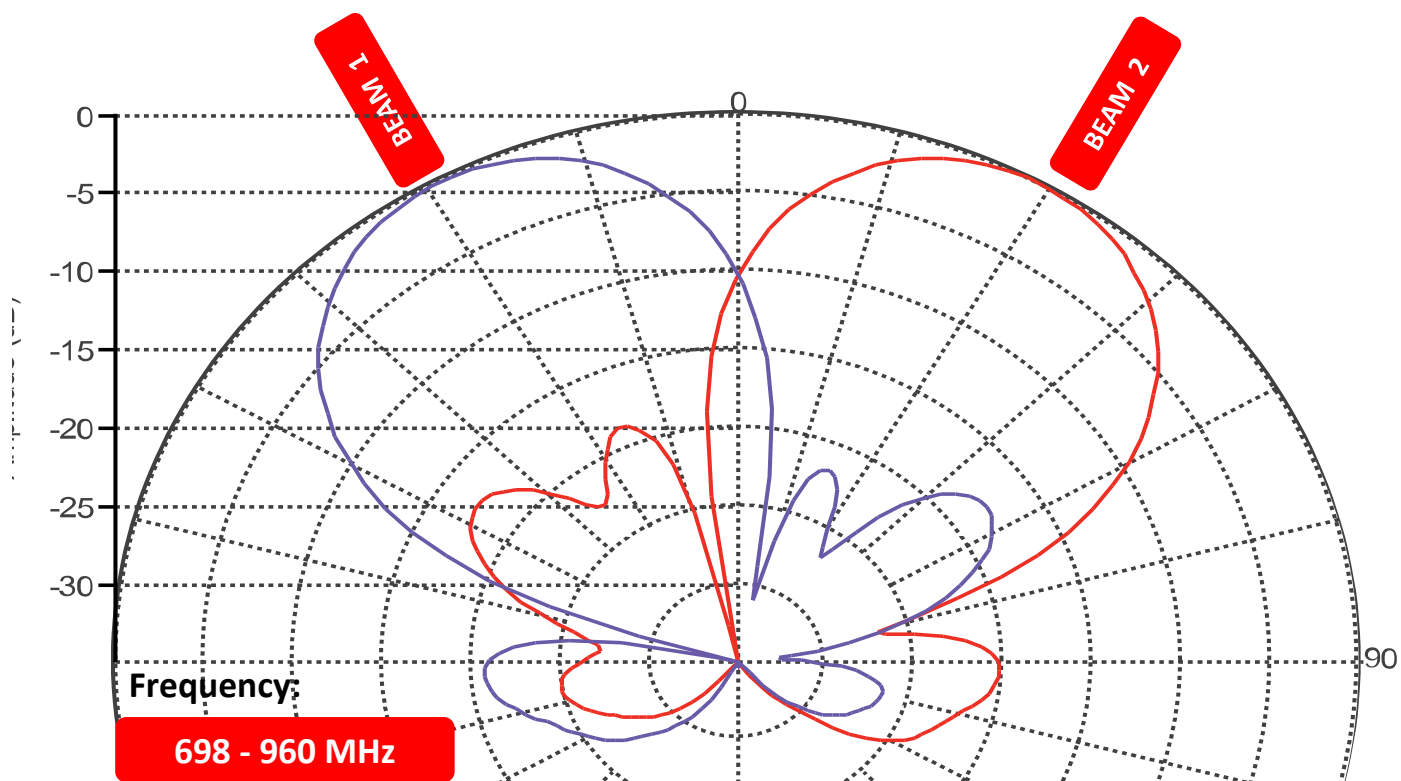


### 1.22 Vertical pattern

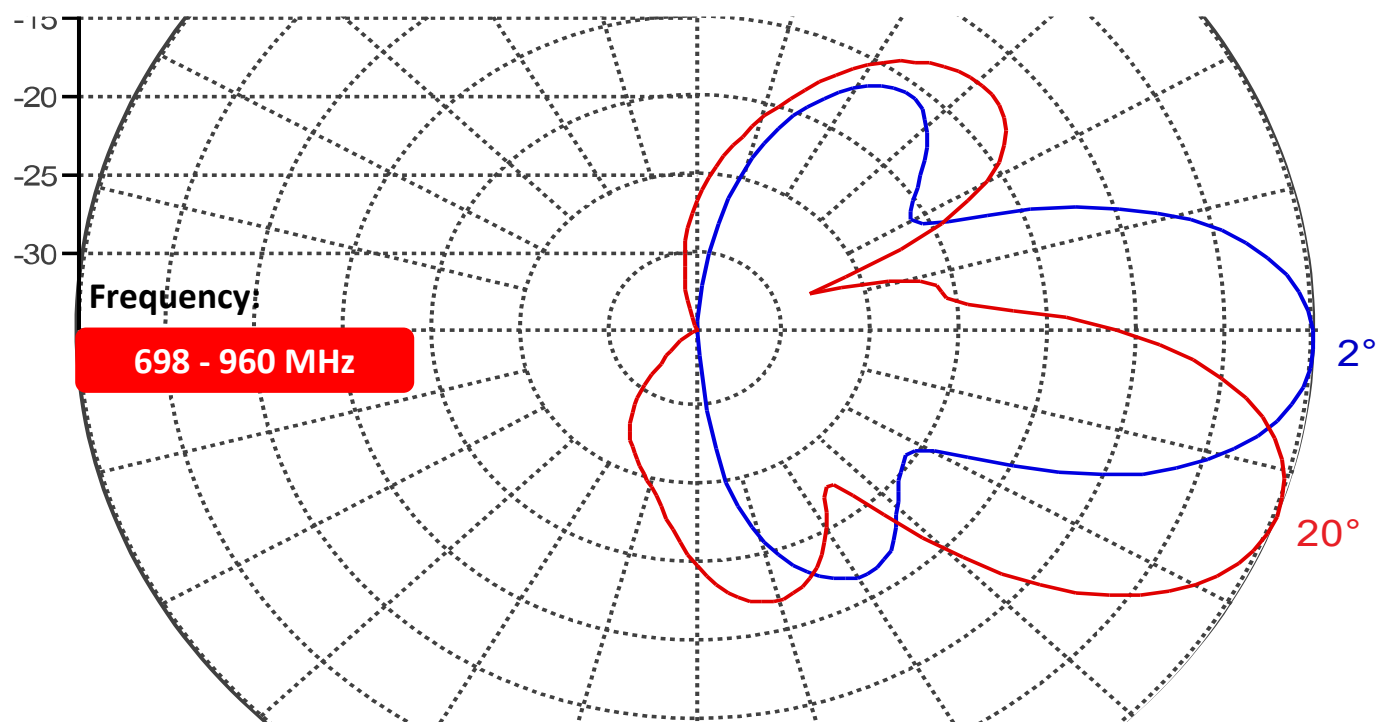


### 1.30 L-Band

#### 1.31 Horizontal pattern

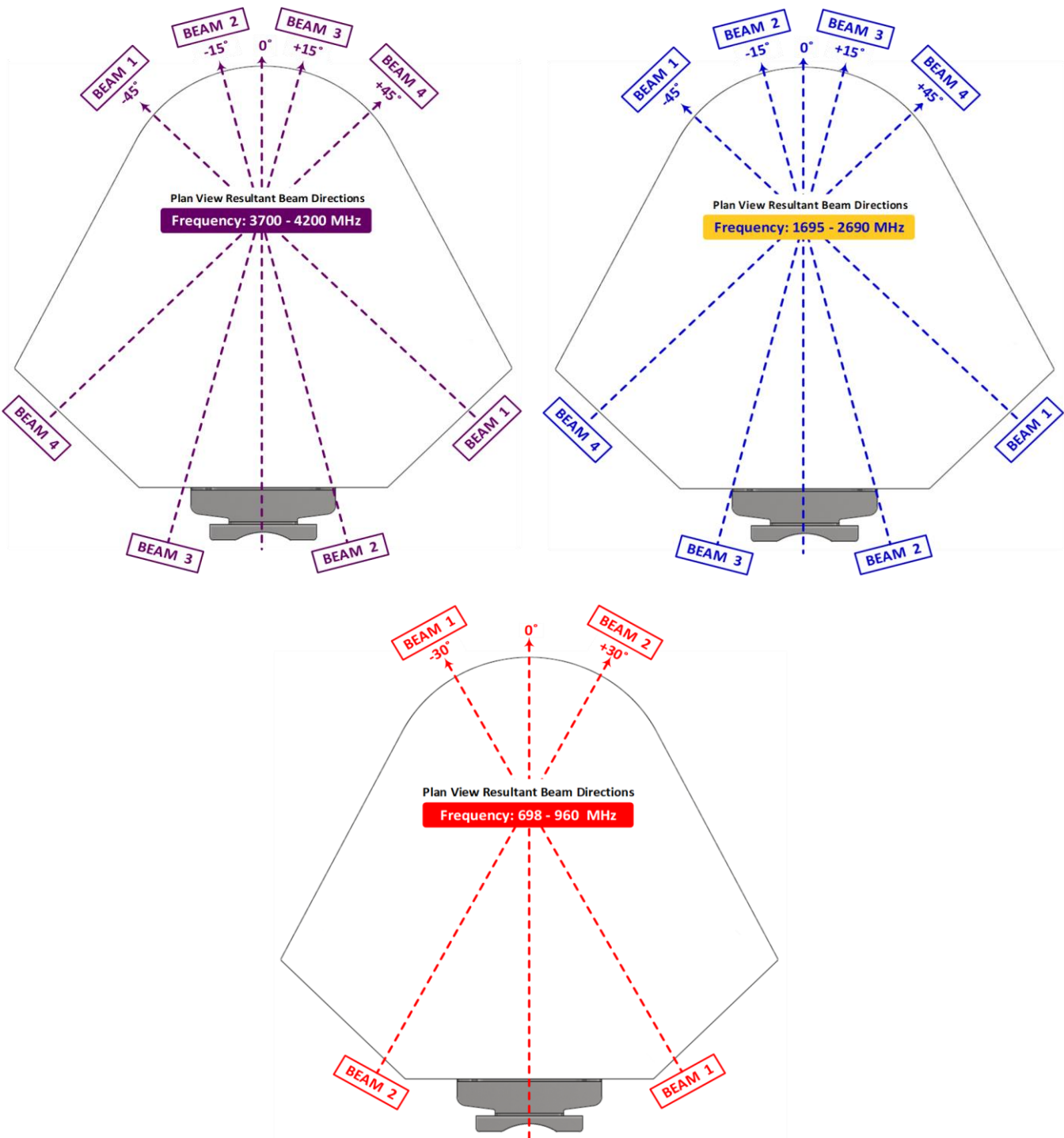


#### 1.32 Vertical pattern



## 2.00 Beams and connectors

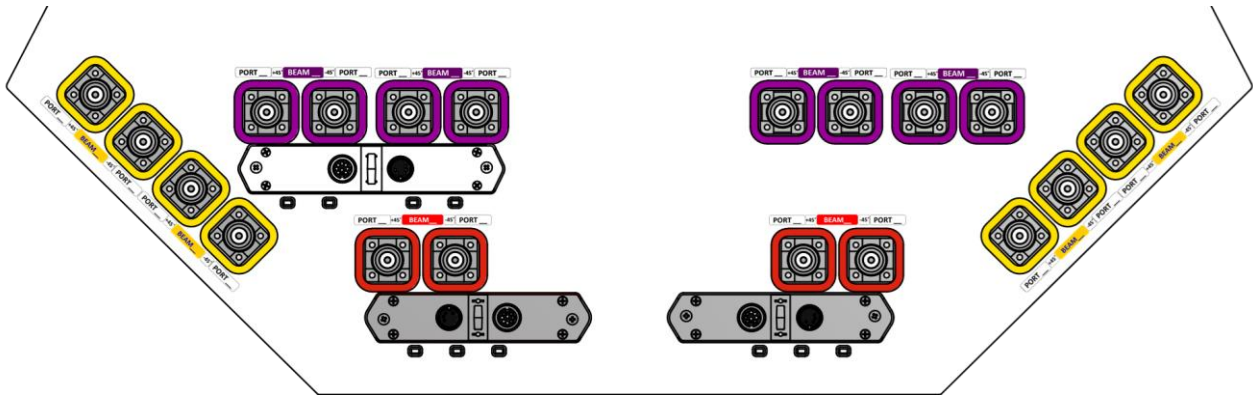
### 2.10 Plan view resultant beam layout



### 2.20 Connector port table

| BEAM 4  |         | BEAM 3  |         | BEAM 2  |         | BEAM 1 |         |
|---------|---------|---------|---------|---------|---------|--------|---------|
| Port 7  | Port 8  | Port 5  | Port 6  | Port 3  | Port 4  | Port 1 | Port 2  |
| (+45°)  | (-45°)  | (+45°)  | (-45°)  | (+45°)  | (-45°)  | (+45°) | (-45°)  |
| BEAM 4  |         | BEAM 3  |         | BEAM 2  |         | BEAM 1 |         |
| Port 15 | Port 16 | Port 13 | Port 14 | Port 11 | Port 12 | Port 9 | Port 10 |
| (+45°)  | (-45°)  | (+45°)  | (-45°)  | (+45°)  | (-45°)  | (+45°) | (-45°)  |
|         |         | BEAM 2  |         | BEAM 1  |         |        |         |
|         |         | Port 19 | Port 20 | Port 17 | Port 18 |        |         |
|         |         | (+45°)  | (-45°)  | (+45°)  | (-45°)  |        |         |

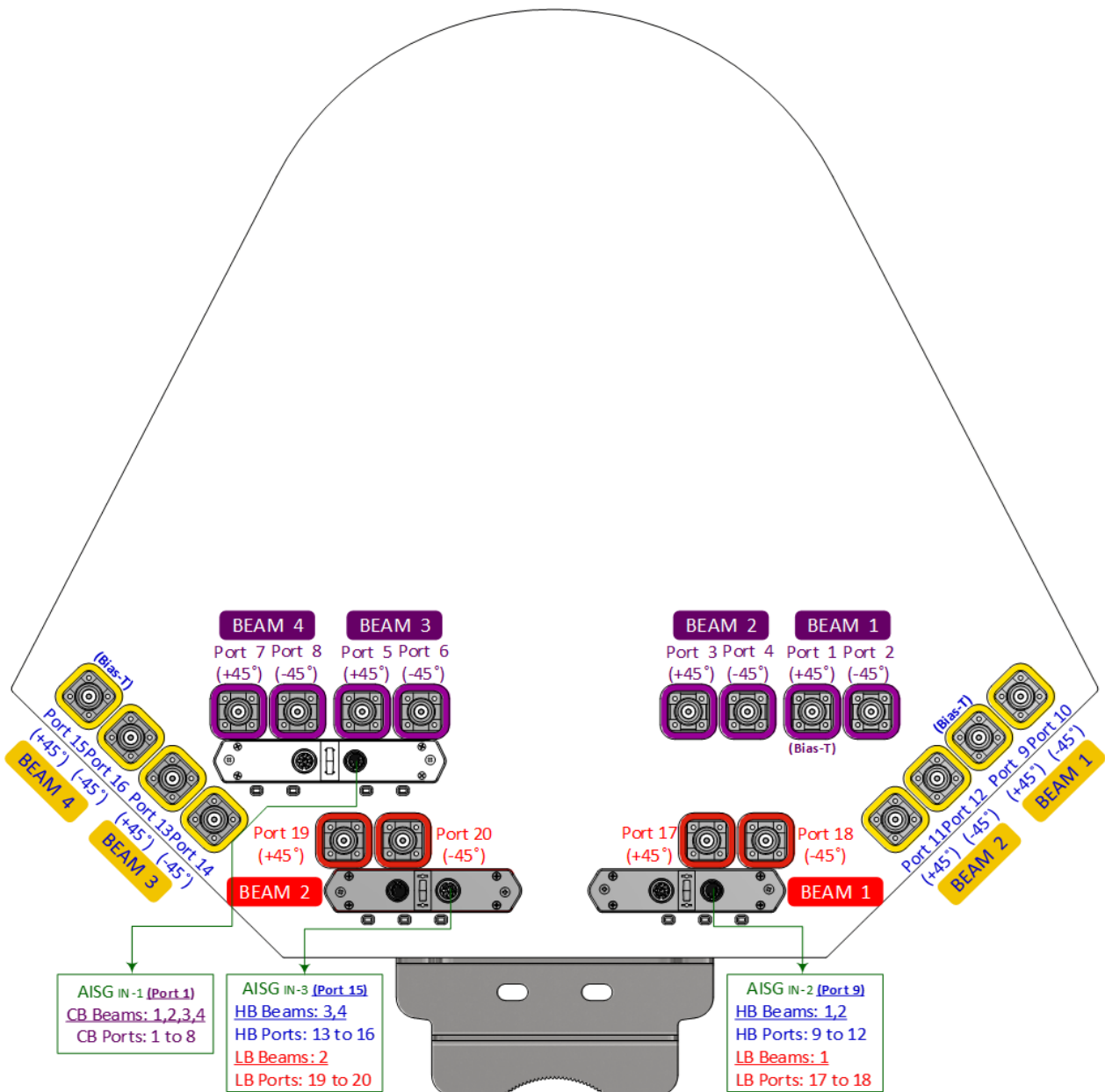
## 2.30 Connector detail



## 2.40 Connector layout

MS-MBC-4.4.2-C2-6-H2-12-L2-20

PLAN VIEW CONNECTOR LAYOUT



3.00 Bracket installation

3.10 Bolts and nuts / tools

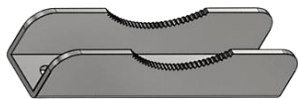
3.11 Bolt and nuts set



| Bracket | Bolts       |     | Nuts |     |
|---------|-------------|-----|------|-----|
| Qty     | Size        | Qty | Size | Qty |
| 2       | M12 x 200mm | 4   | M12  | 10  |

3.12 Bracket

3.20 Tools requirement



3.30 Bracket spacing and installation sample

