

MATSING[®]

LENS TECHNOLOGY ENABLED

MS-MBC-442-C4H4L4

Instruction Manual

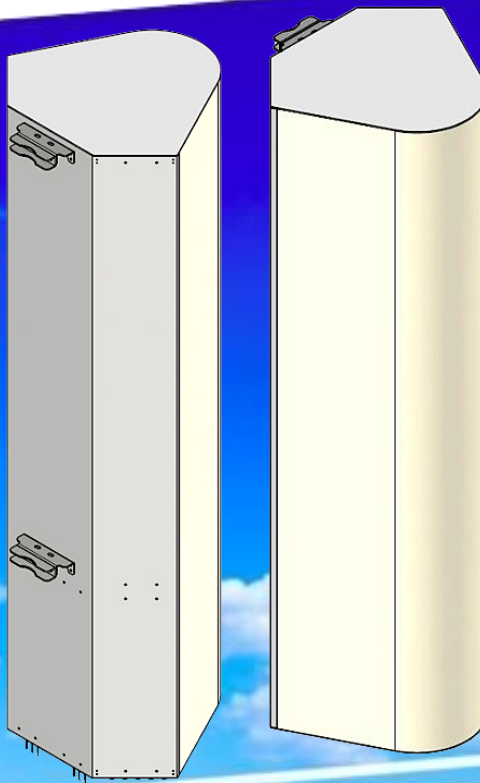


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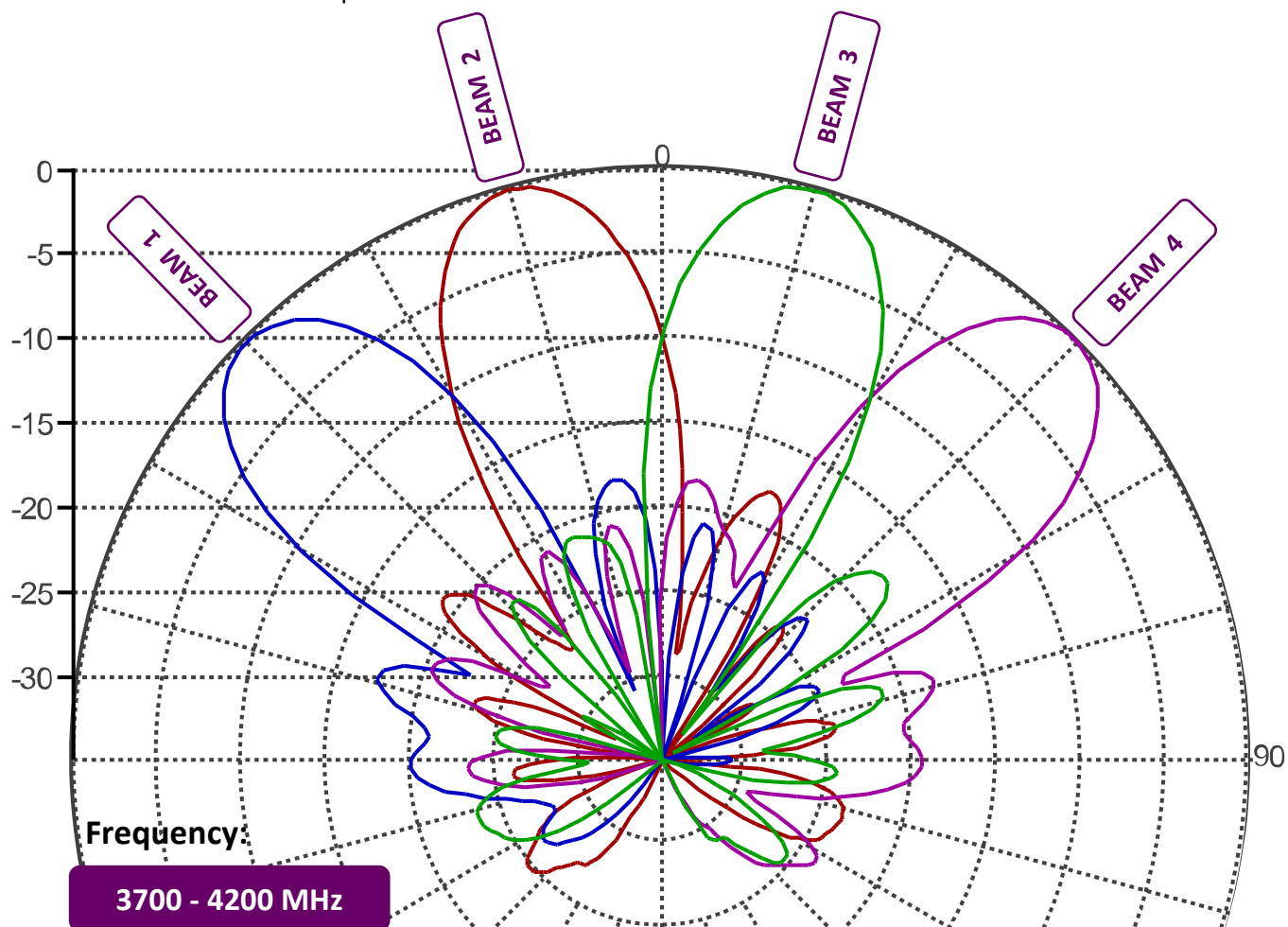
Revision History:

<u>Date</u>	<u>Description</u>	<u>Rev By</u>	<u>Check By</u>	<u>Rev no</u>
02-Jul-2025	Initial Release	RL	Pavel	0

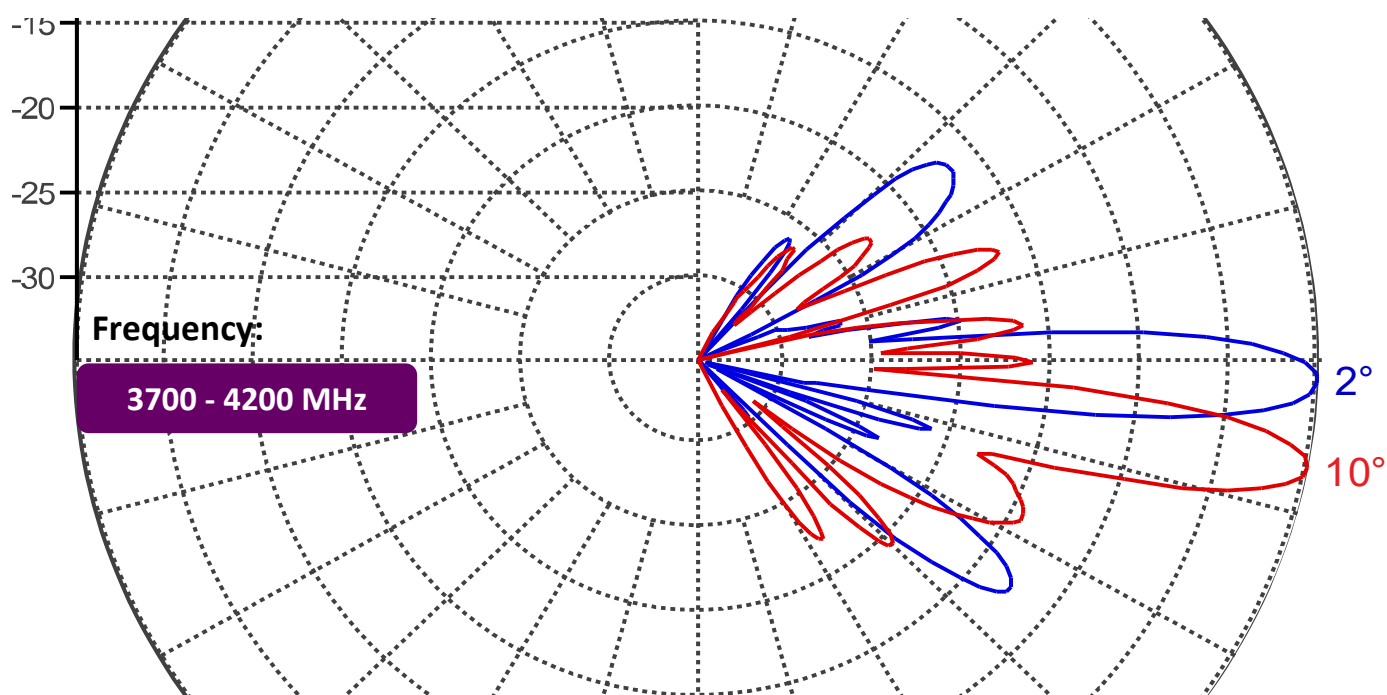
1.00 Pattern diagram

1.10 C-Band

1.11 Horizontal pattern

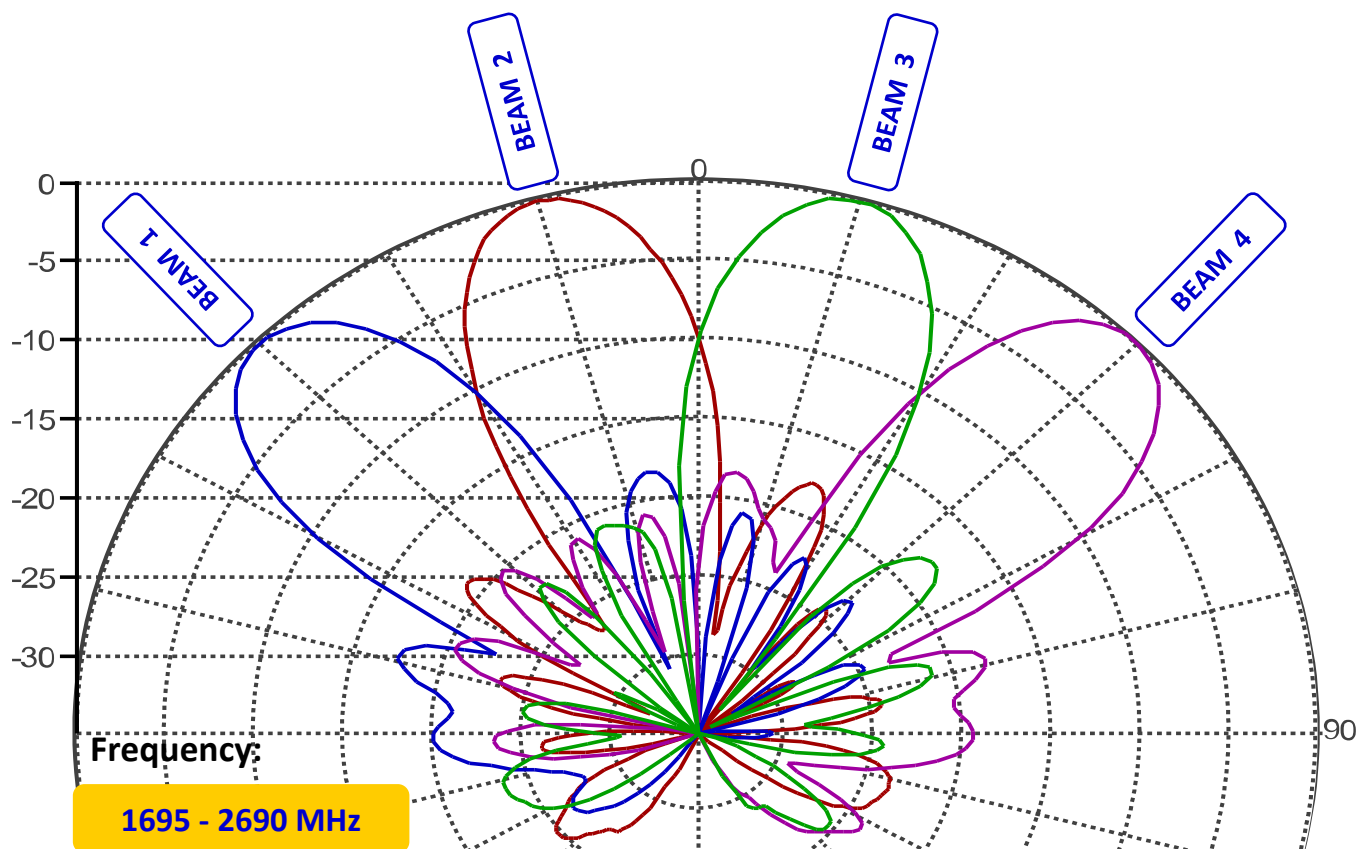


1.12 Vertical pattern

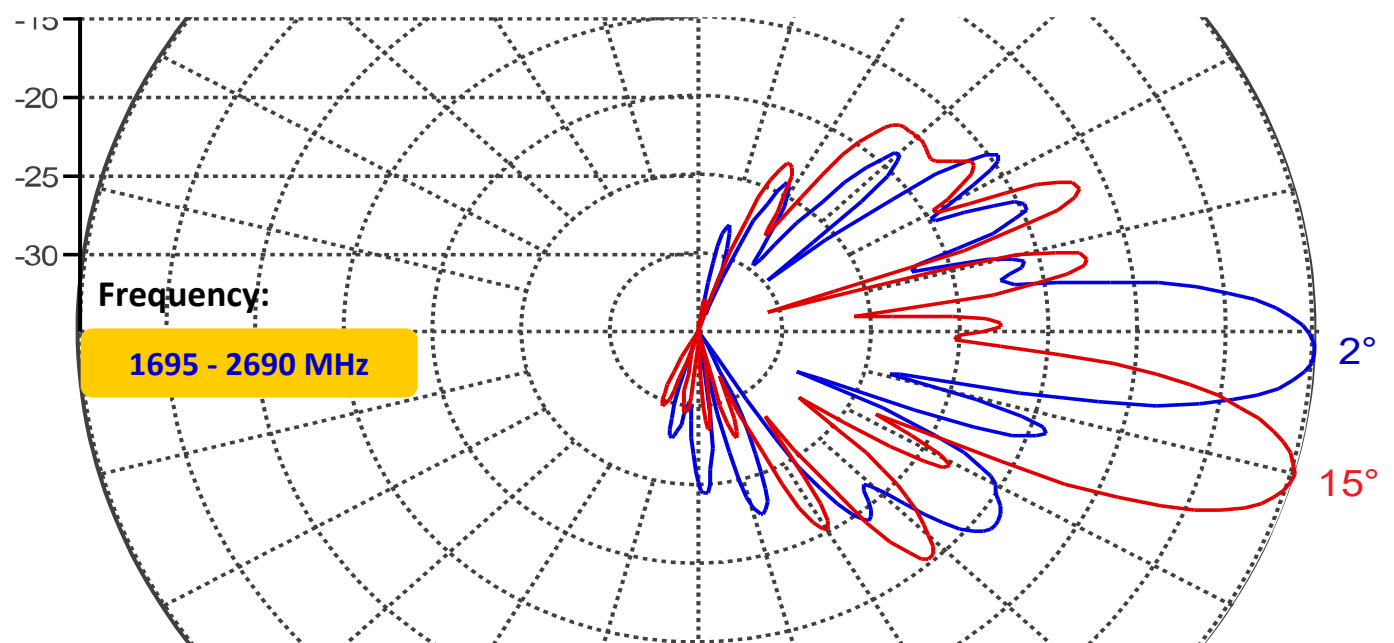


1.20 H-Band

1.21 Horizontal pattern

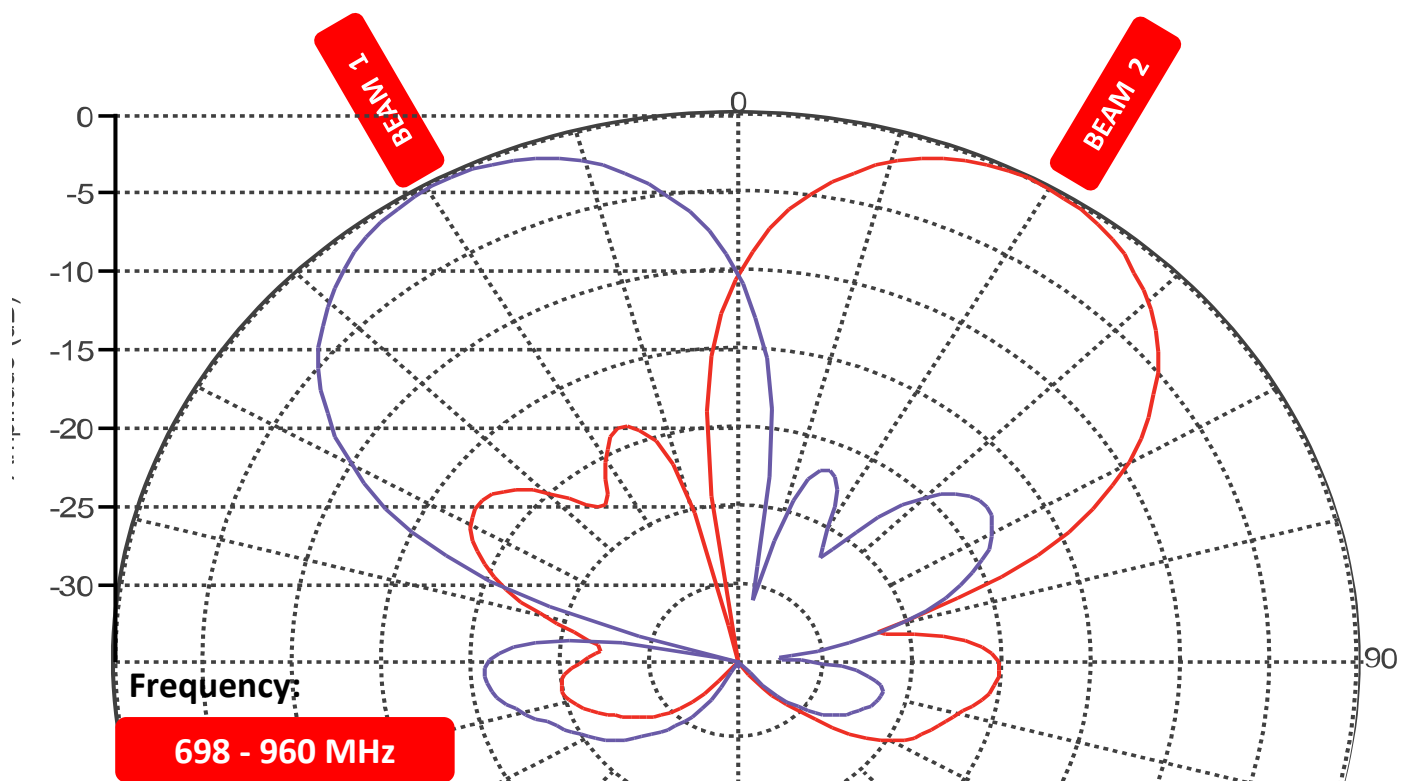


1.22 Vertical pattern

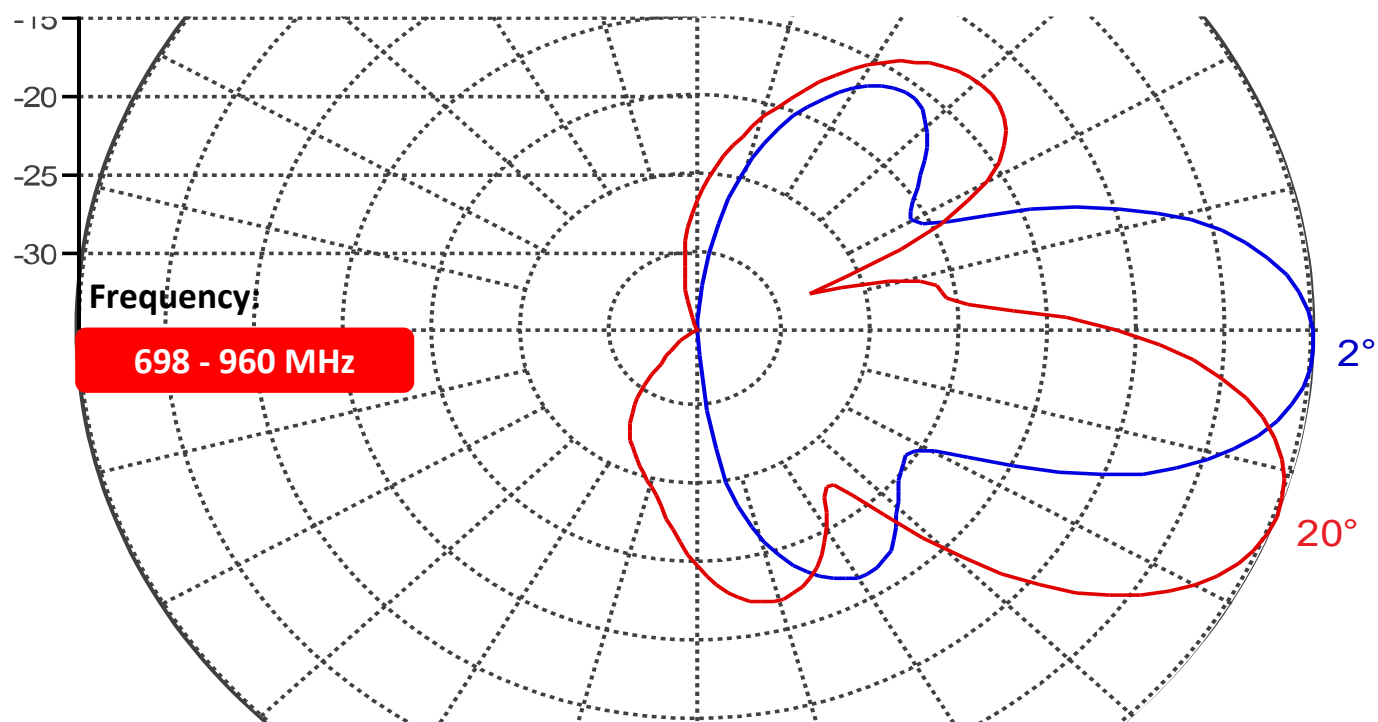


1.30 L-Band

1.31 Horizontal pattern

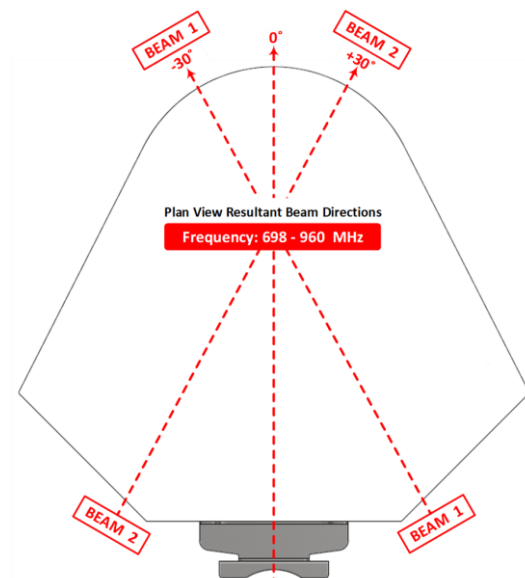
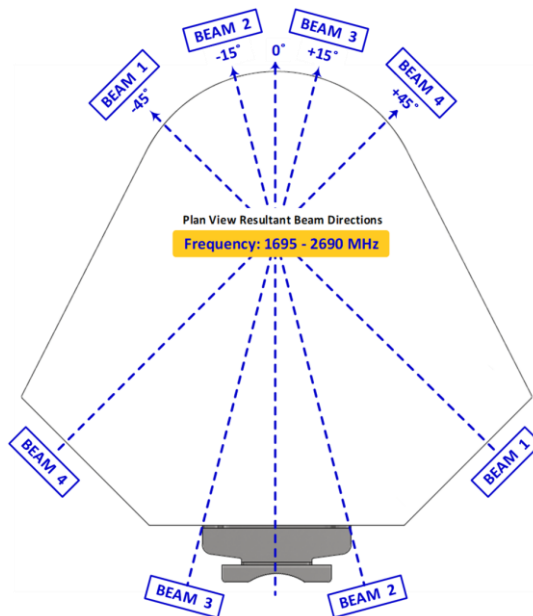
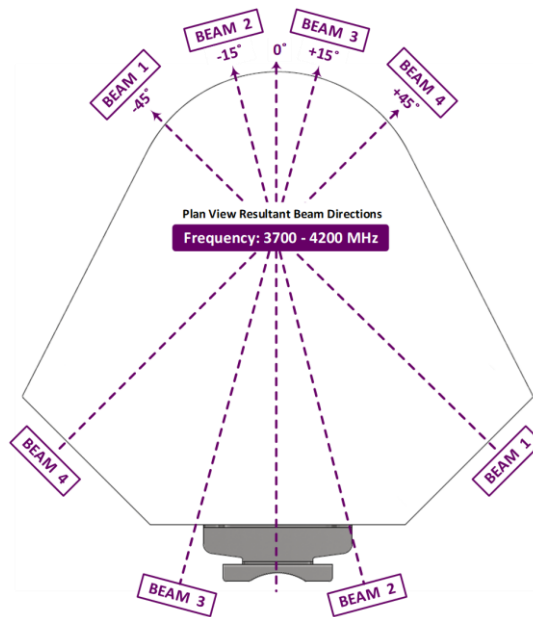


1.32 Vertical pattern



2.00 Beams and connectors

2.10 Plan view resultant beam layout

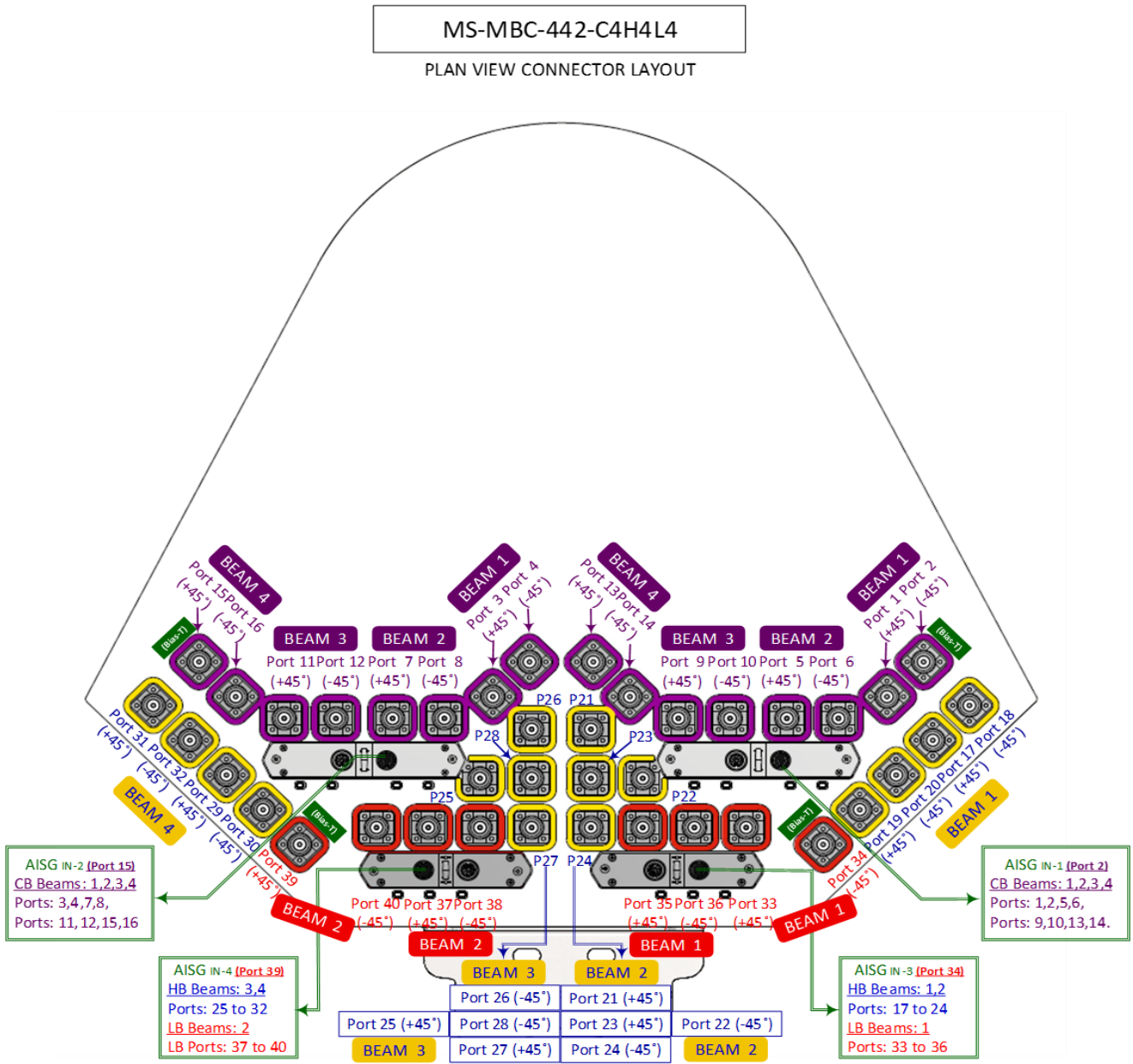


2.20 Connector port table

BEAM 4		BEAM 3		BEAM 2		BEAM 1	
PORT 15 (+45°)	PORT 16 (-45°)	PORT 11 (+45°)	PORT 12 (-45°)	PORT 7 (+45°)	PORT 8 (-45°)	PORT 3 (+45°)	PORT 4 (-45°)
BEAM 4		BEAM 3		BEAM 2		BEAM 1	
PORT 31 (+45°)	PORT 32 (-45°)	PORT 29 (+45°)	PORT 30 (-45°)	PORT 27 (+45°)	PORT 28 (-45°)	PORT 25 (+45°)	PORT 26 (-45°)
BEAM 2		BEAM 1		BEAM 2		BEAM 1	
Port 39 (+45°)	Port 40 (-45°)	Port 37 (+45°)	Port 38 (-45°)	Port 35 (+45°)	Port 36 (-45°)	Port 33 (+45°)	Port 34 (-45°)

BEAM 4		BEAM 3		BEAM 2		BEAM 1	
PORT 13 (+45°)	PORT 14 (-45°)	PORT 9 (+45°)	PORT 10 (-45°)	PORT 5 (+45°)	PORT 6 (-45°)	PORT 1 (+45°)	PORT 2 (-45°)
BEAM 2		BEAM 1		BEAM 2		BEAM 1	
PORT 23 (+45°)	PORT 24 (-45°)	PORT 21 (+45°)	PORT 22 (-45°)	PORT 19 (+45°)	PORT 20 (-45°)	PORT 17 (+45°)	PORT 18 (-45°)
BEAM 2		BEAM 1		BEAM 2		BEAM 1	
Port 35 (+45°)	Port 36 (-45°)	Port 33 (+45°)	Port 34 (-45°)	Port 35 (+45°)	Port 36 (-45°)	Port 33 (+45°)	Port 34 (-45°)

2.30 Connector layout



3.00 Bracket installation

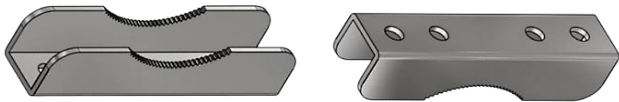
3.10 Bolts and nuts / tools

3.11 Bolt and nuts set



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

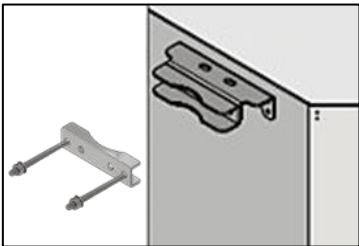
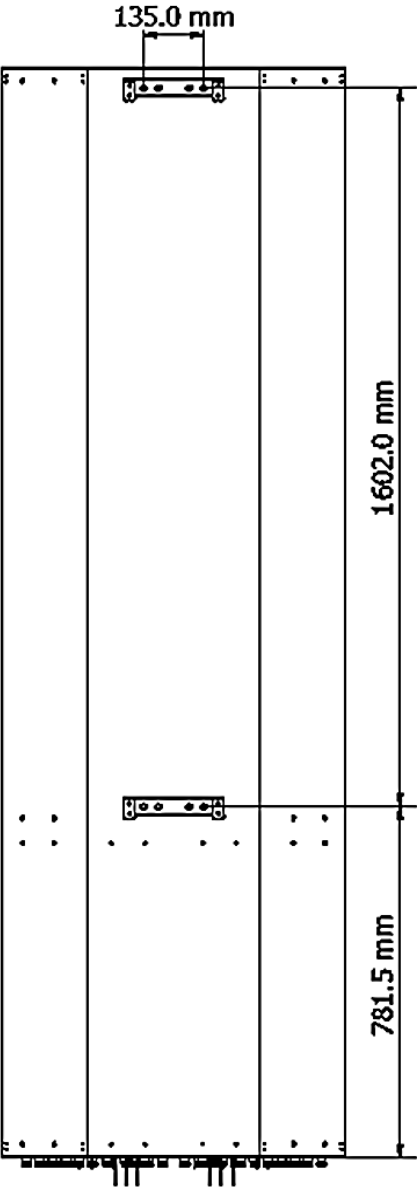
3.12 Bracket



3.20 Tools requirement



3.30 Bracket spacing and installation sample



Before installation

