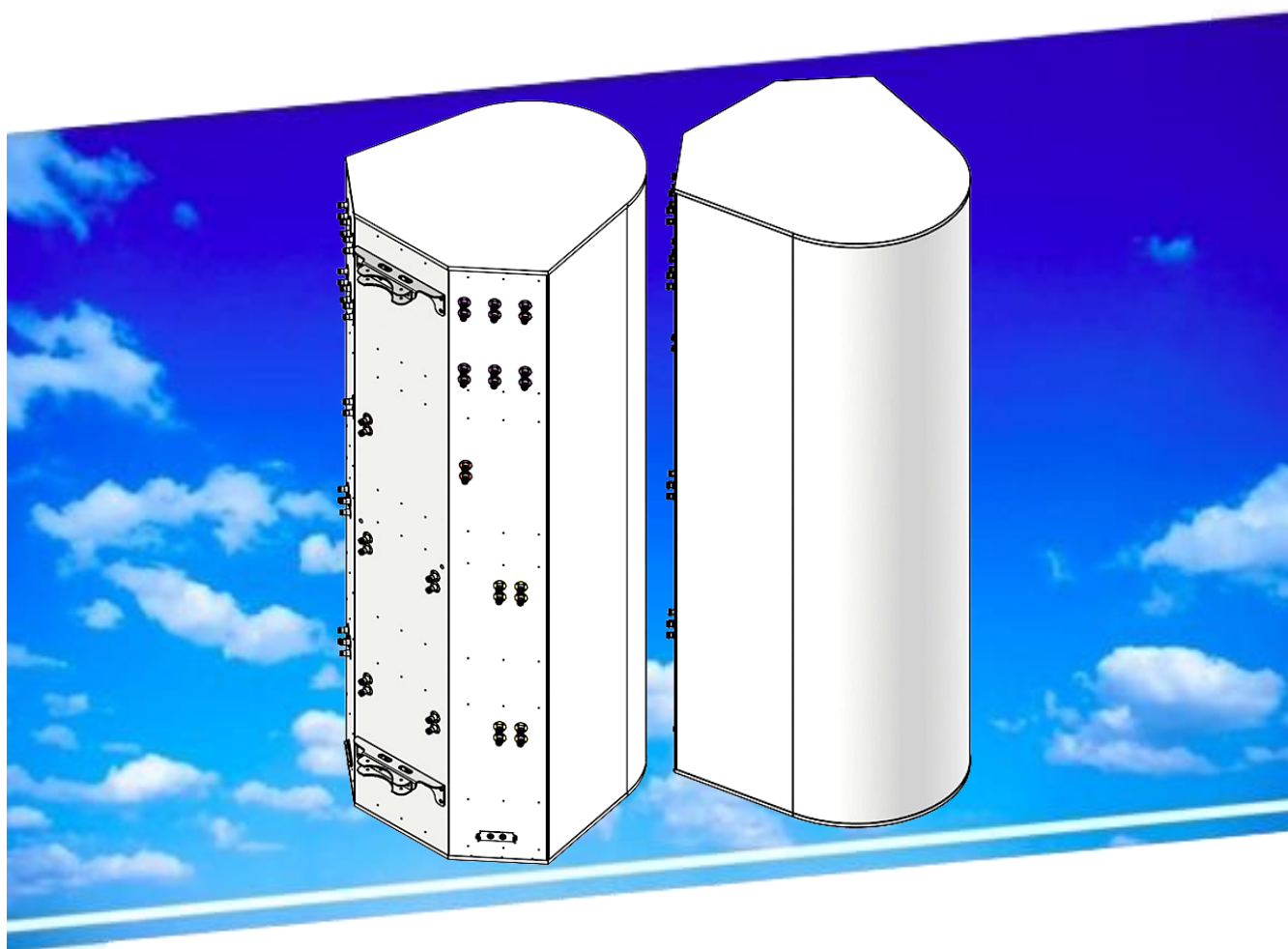


MATSING[®]

LENS TECHNOLOGY ENABLED

MS-MBA-6.6.3-F4-H4-L2

Instruction Manual



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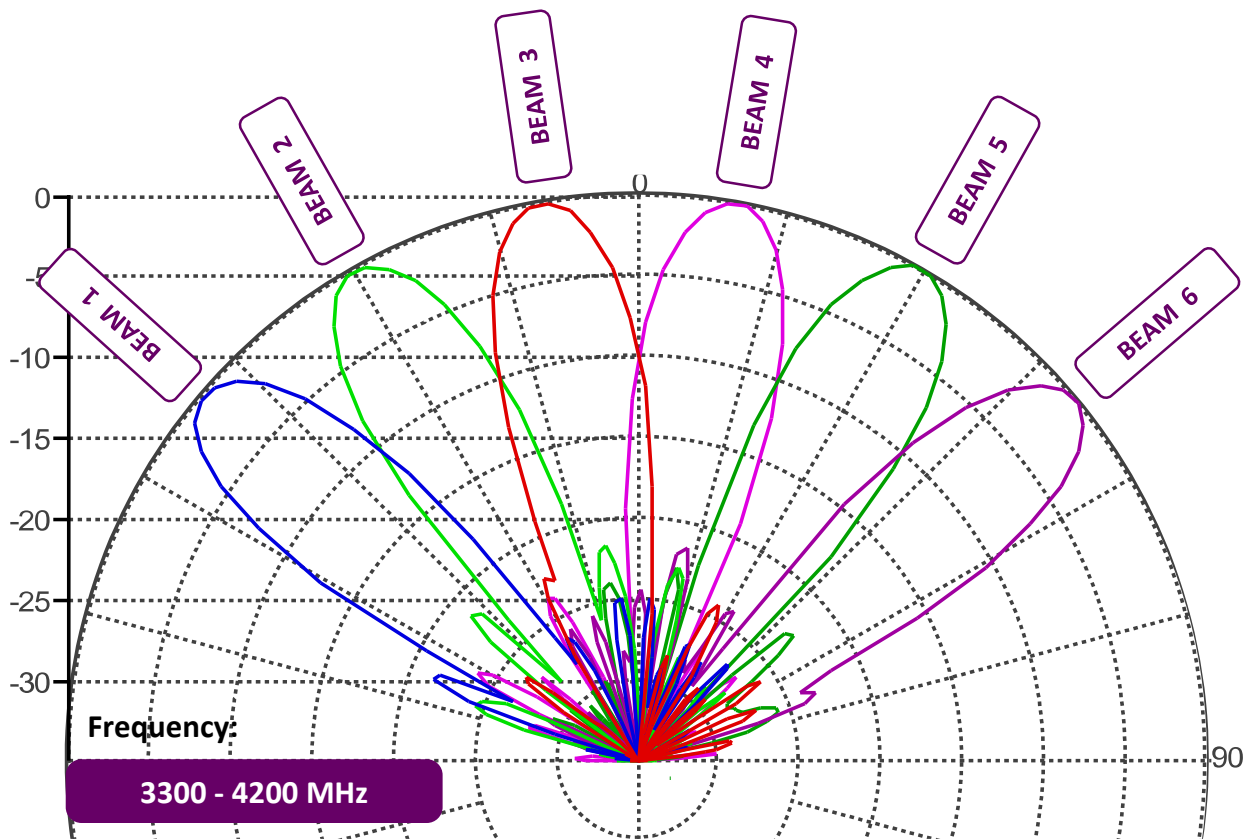
Revision History:

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

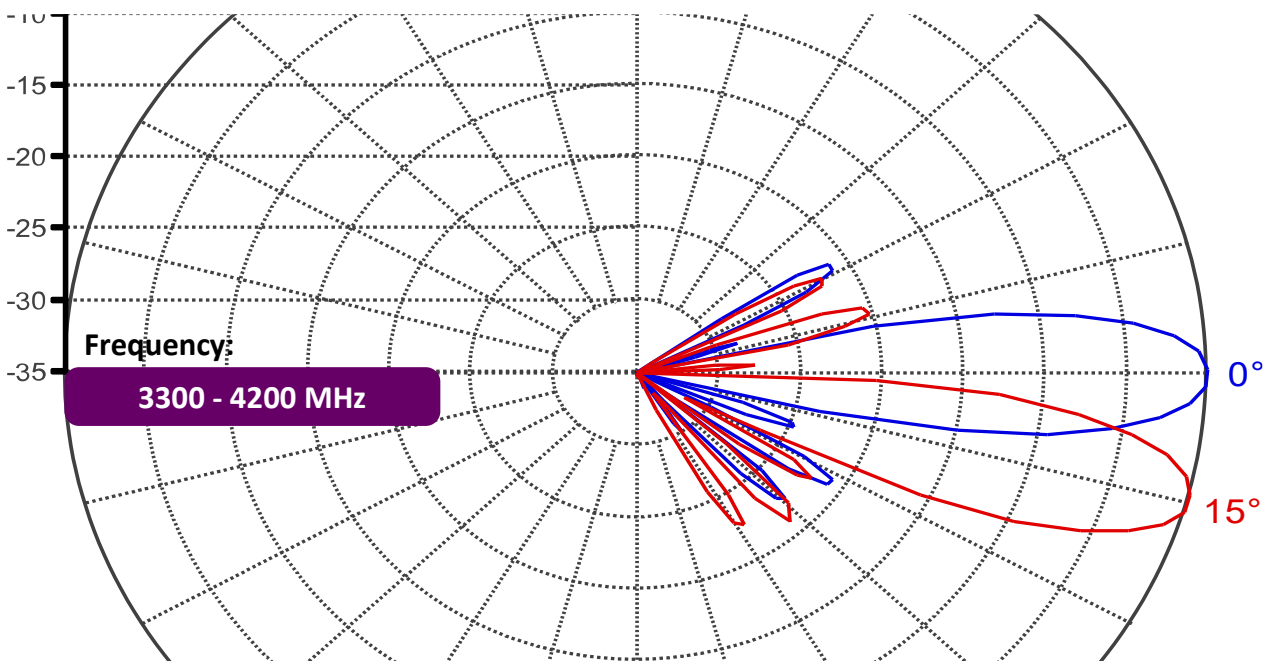
1.00 Pattern diagram

1.10 F-Band

1.11 Horizontal pattern

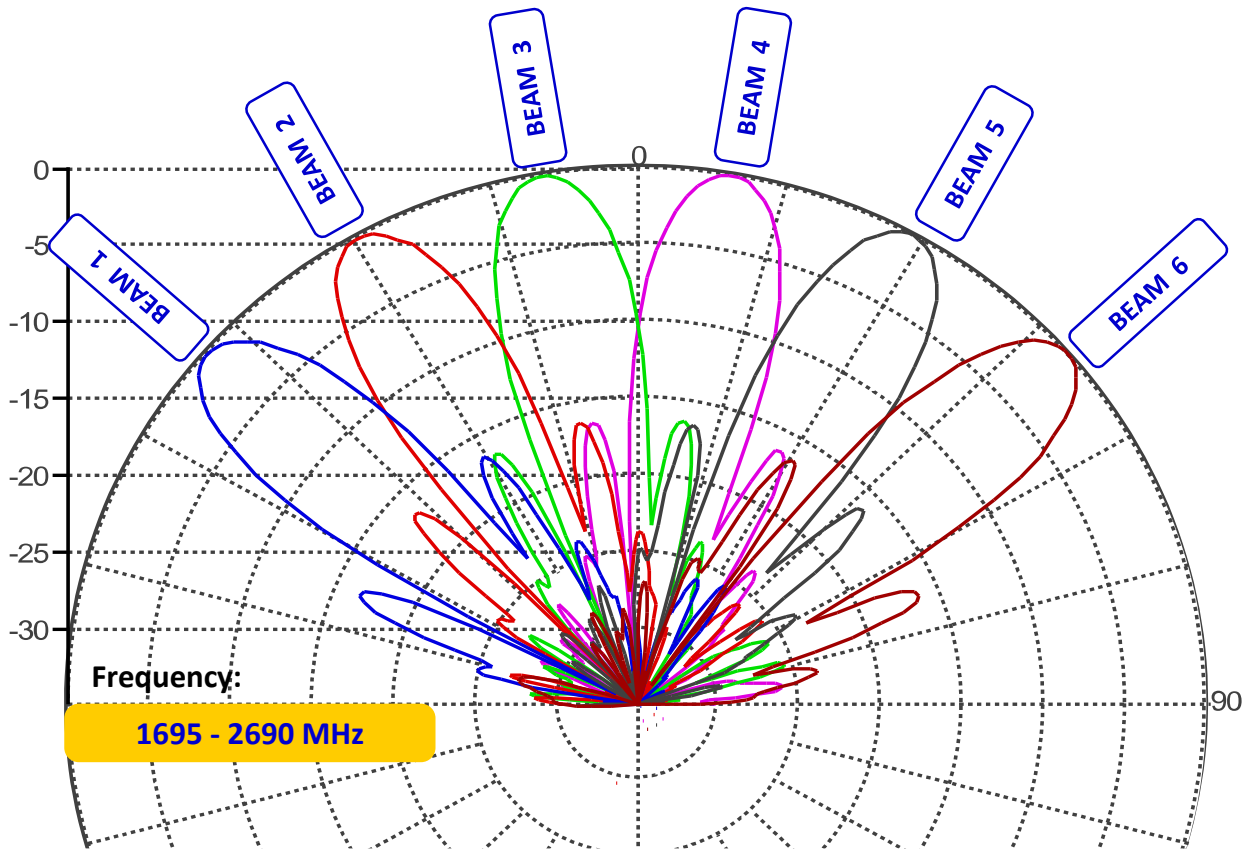


1.12 Vertical pattern

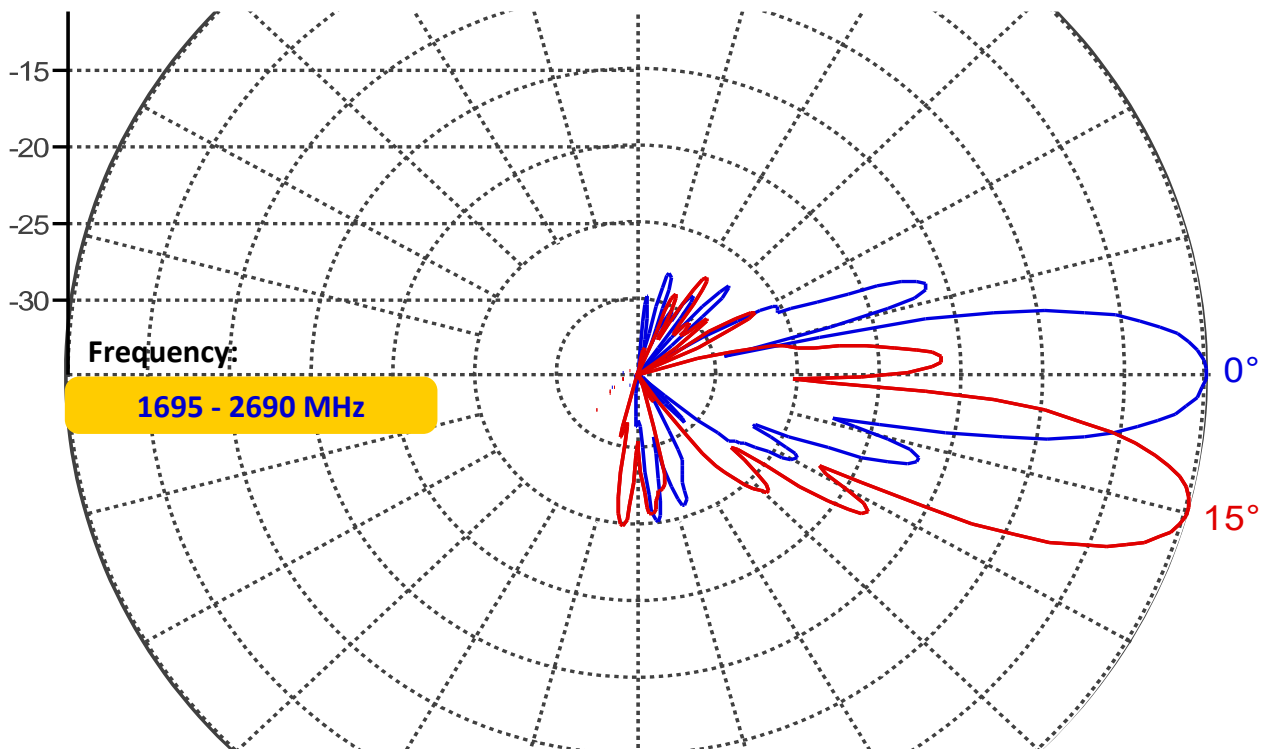


1.20 H-Band

1.21 Horizontal pattern

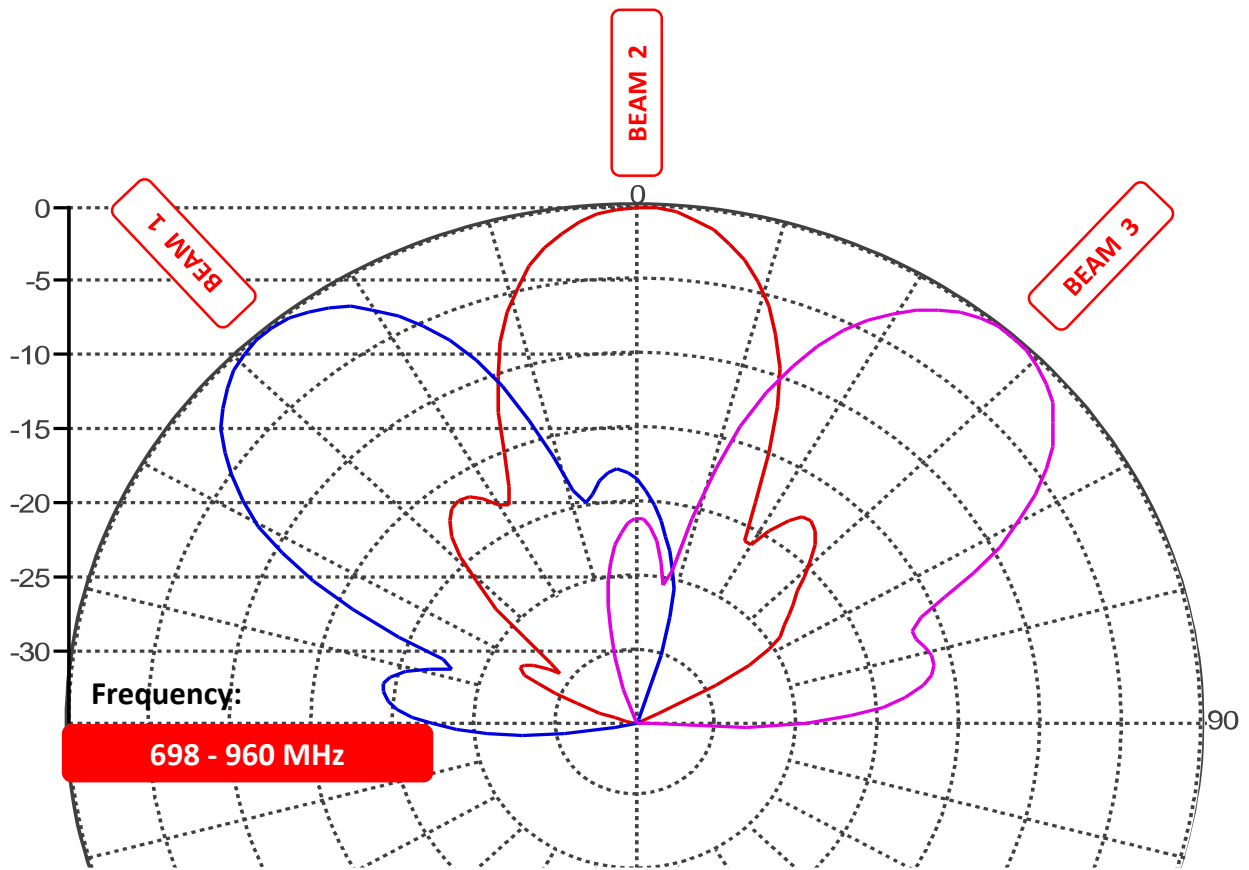


1.22 Vertical pattern

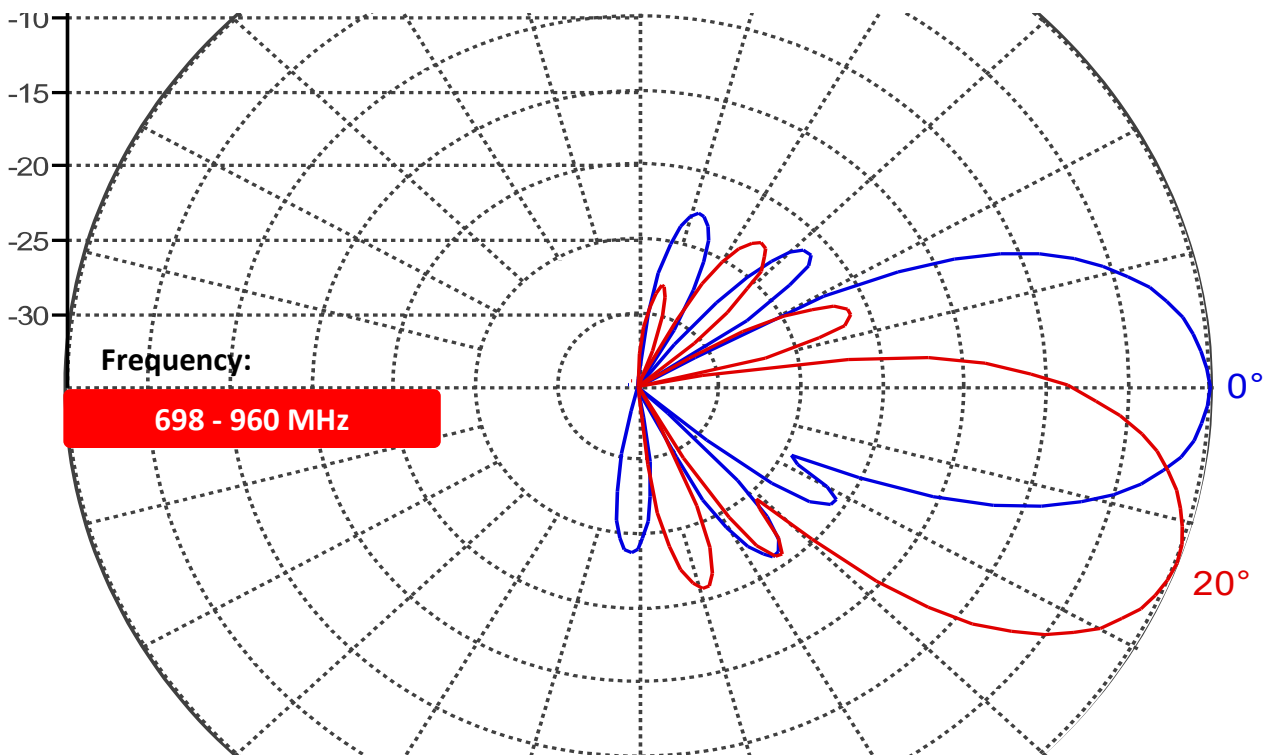


1.30 L-Band

1.31 Horizontal pattern

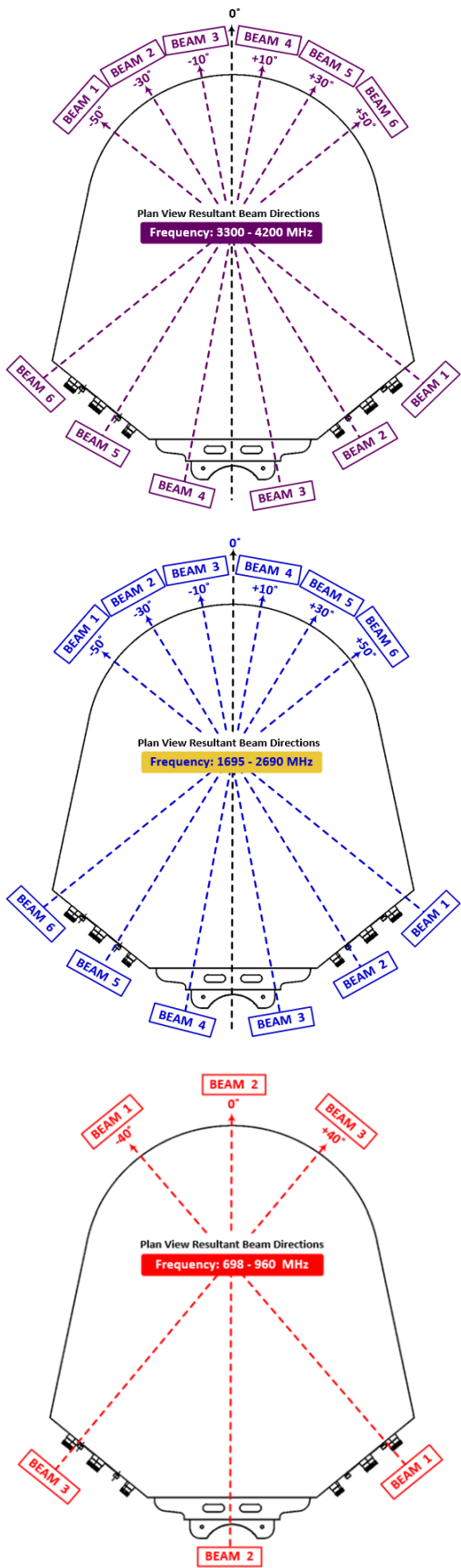


1.32 Vertical pattern



2.00 Beams and connectors

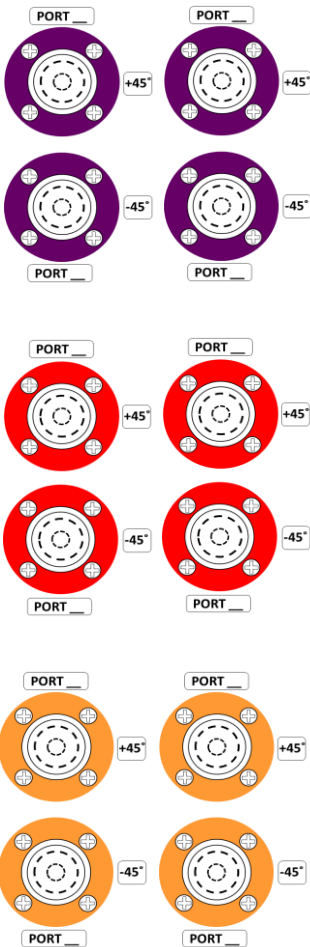
2.10 Plan view resultant beam layout



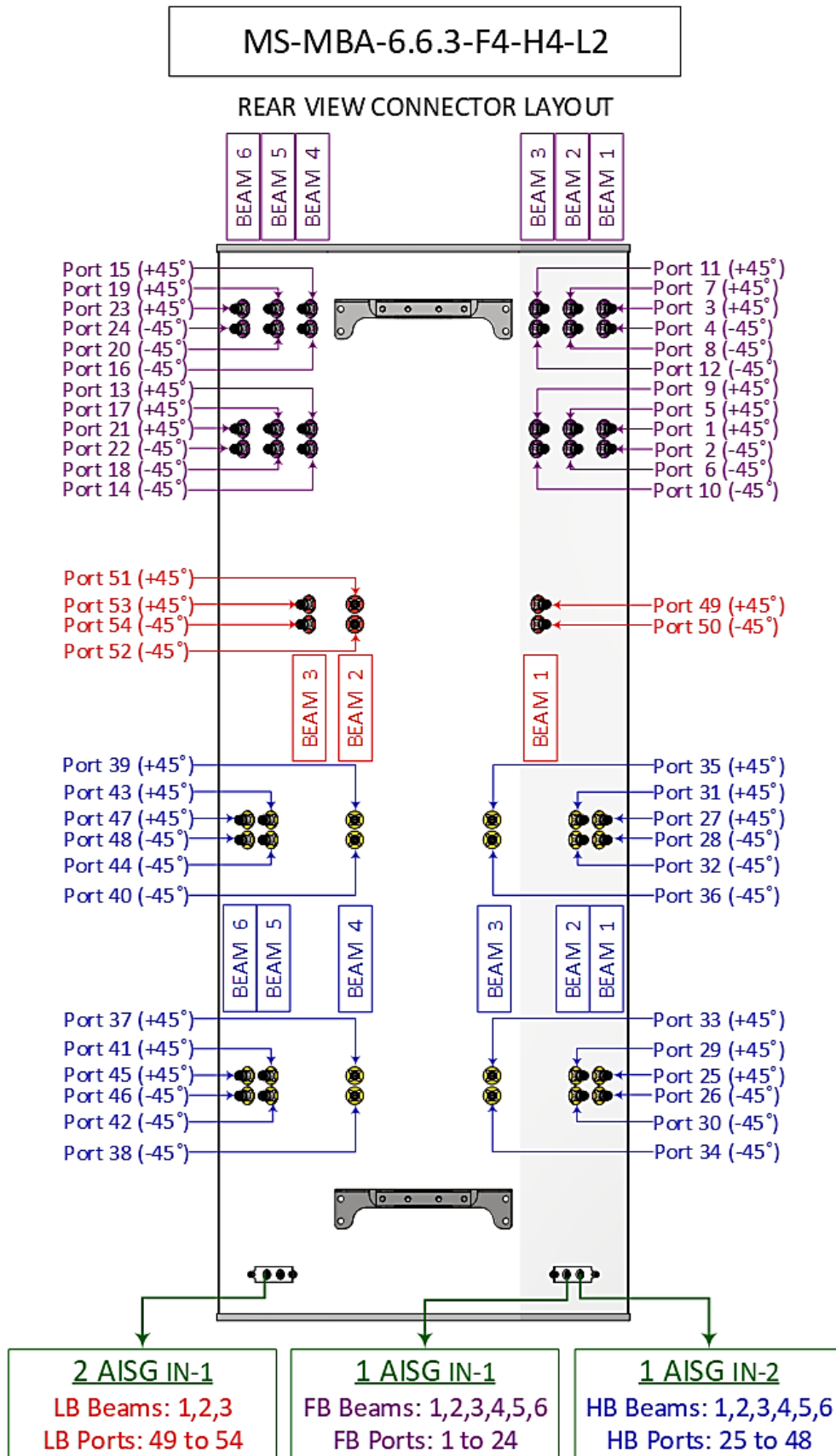
2.20 Connector port table

BEAM 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 3		BEAM 2		BEAM 1	
Port 53 (+45°)		Port 51 (+45°)		Port 49 (+45°)	
Port 54 (-45°)		Port 52 (-45°)		Port 50 (-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°)

2.30 Connector detail



2.40 Connector layout



3.00 Bracket installation

3.10 Bolts and nuts / tools

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

3.11 Bolt and nuts set



3.20 Tools requirement

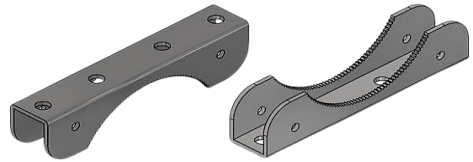
Adjustable spanner



M12 spanner



3.12 Bracket



3.30 Bracket spacing & installation guide

