MS-MBA-8

RET Operation Manual

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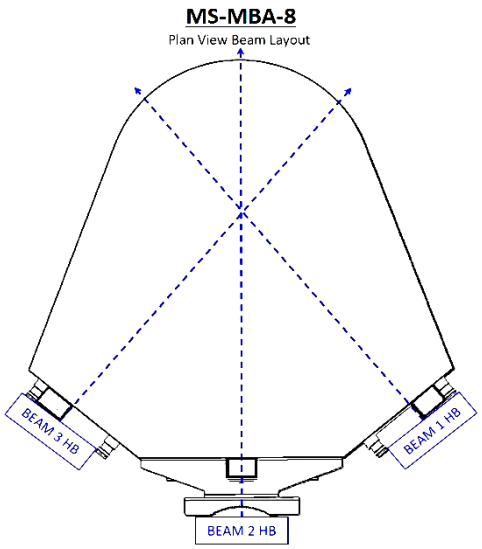
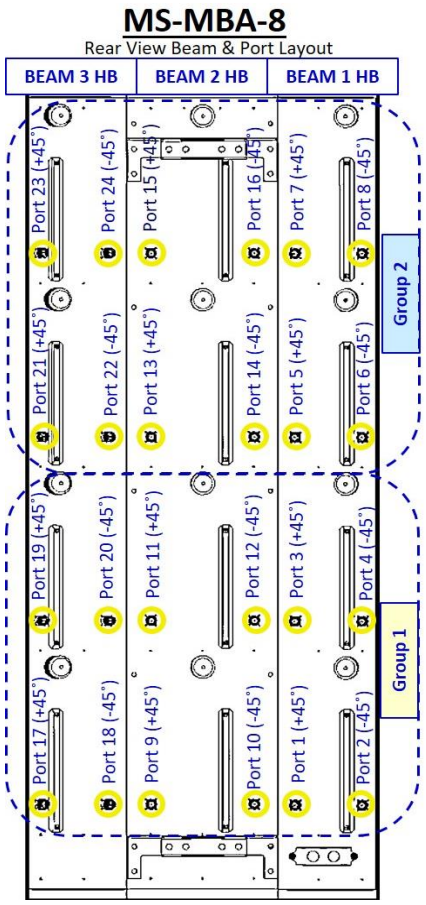
The **MS-MBA-8** antenna comes standard with an MDCU Controller and 10 motorized RET elements. Each motorized RET element control 2 ports +45/-45 of the respected beam.

Factory default firmware for the MDCU Controller is MRET (Type 17), however SRET (Type 1) is available upon request.

Dual AISG Input

IN-1 Controls HB Beams 1-3 (Group 1)
IN-2 Controls HB Beams 1-3 (Group 2)

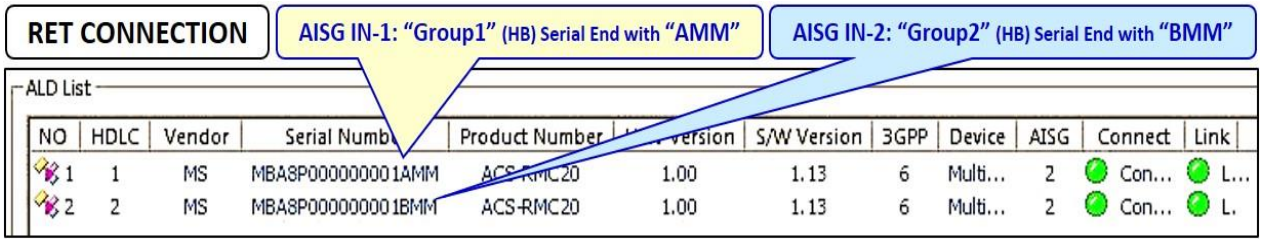


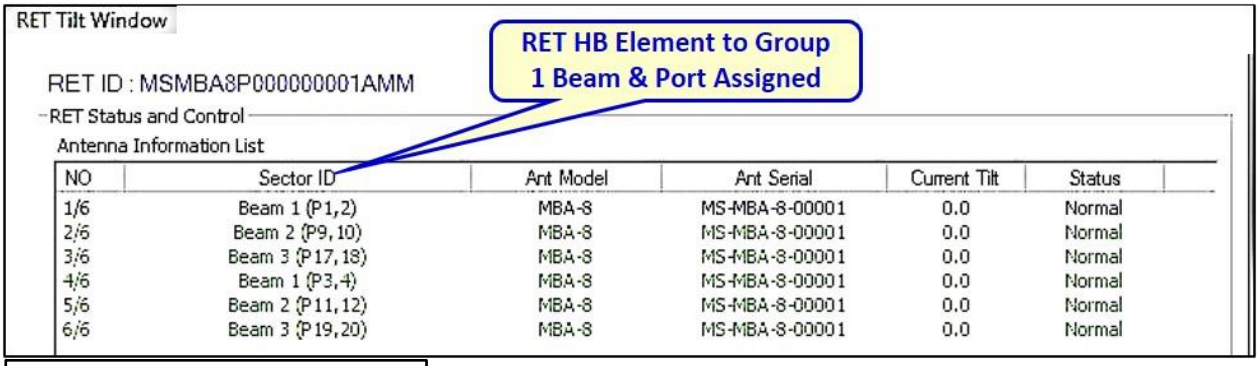


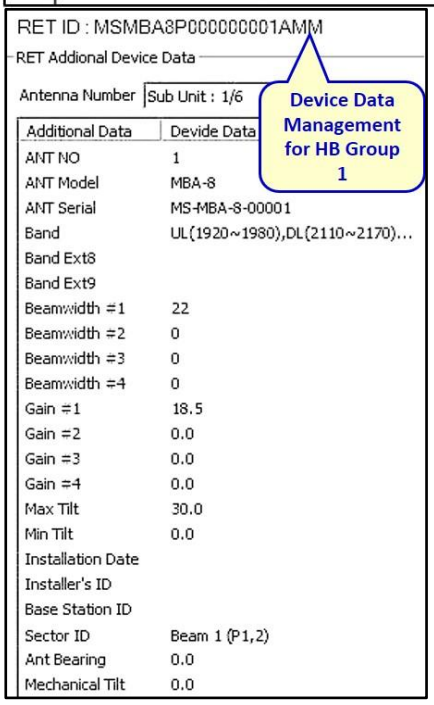
MDCU Controller RET Element mapping for
MS-MBA-8

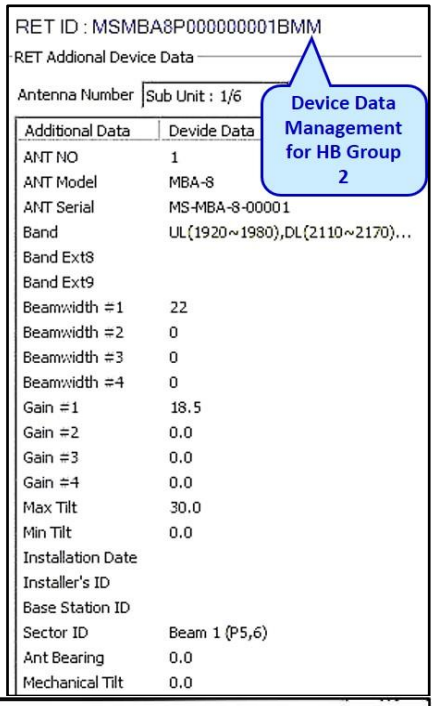
Beam 3 HB Port 23 & 24	Beam 2 HB Port 15 & 16	Beam 1 HB Port 7 & 8
Beam 3 HB Port 21 & 22	Beam 2 HB Port 13 & 14	Beam 1 HB Port 5 & 6
Beam 3 HB Port 19 & 20	Beam 2 HB Port 11 & 12	Beam 1 HB Port 3 & 4
Beam 3 HB Port 17 & 18	Beam 2 HB Port 9 & 10	Beam 1 HB Port 1 & 2
	Dual AISG Input	**MDCU**

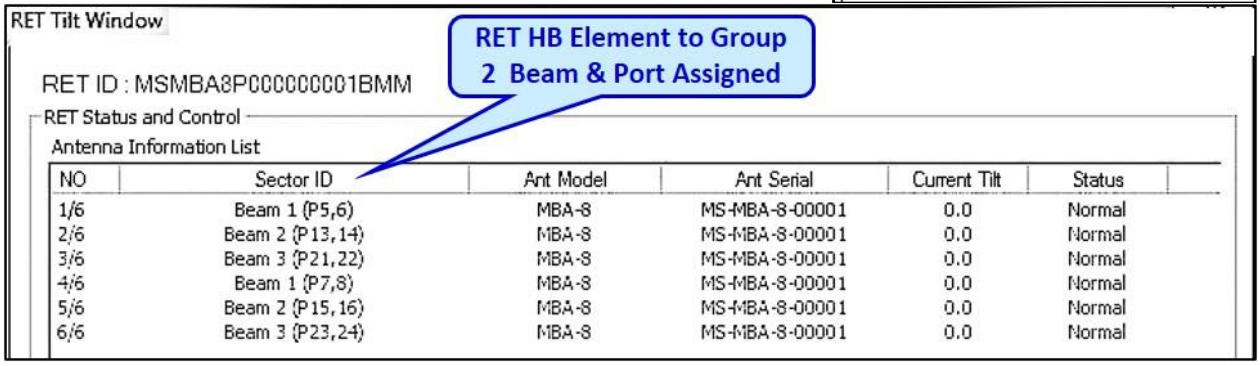
A standard **AISG 2.0** compliant cable (not included) is used to connect the **MDCU to the AISG interface control.** Once connected, use an **AISG 2.0** compliant Control software to perform a **Sub Unit SCAN** to identify the **MS-MBA-8** RET Elements.









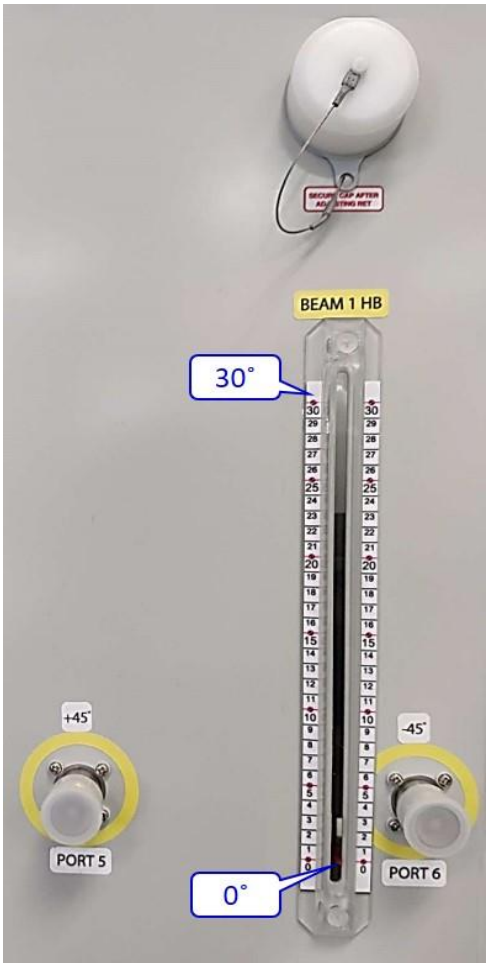


Calibration:

Prior to use, RET Element calibration is required.
Re-Calibration is also required if manual mode was used at any point to adjust tilt

During calibration, the RET Element will use an Upper & Lower har-stop to calibrate **0˚-30˚ (HB)** Degree range.

The current degree of tilt is indicated by the movable **RED MARKER TIP.**



6 Beam / RET **HB** Elements offer a tilt range from **0˚ - 30˚** degree independantly.

Manual Mode

The **MS-MBA-8** antenna offers a manual override option.

Step 1:

Unscrew/Screw the cap for tilt adjustment process

Step 2:

Engaged with internal RET Motor position

Step 3:

Pull knob out to disengaged RET for tilt adjustment