

TECHNICAL DATA
ANTENNA 23GHz 1.2m HIGH PERFORMANCE
Type: HAA2312_00

SHORT DESCRIPTION

This antenna combines high RF-performance with low profile and weight. The antenna can be mounted separately using Comhat Antenna Mount. It can also be supplied in customized design, for example being adapted for direct mount on radio links.

Note: Product information subject to change without notice.

ELECTRICAL DATA

| | |
|--|-----------------------------|
| Frequency Range | 21.2 – 23.6 GHz |
| Gain (Low-band)..... | 45.2 dBi |
| (Mid-band)..... | 45.9 dBi |
| (High-band)..... | 46.4 dBi |
| Half Power Beamwidth..... | 1.0° |
| Cross-Polar Discrimination (within a –1dB co-polarised contour)..... | 28 dB |
| Front-to-Back Ratio | 69 dB |
| VSWR/Return Loss | 1.35:1 / 16.5 dB |
| ETSI Compliance..... | EN 300 833 Nov 2002 Class 3 |
| Polarisation..... | Vertical/Horizontal |
| Output Flange (Standard)..... | UBR220 |

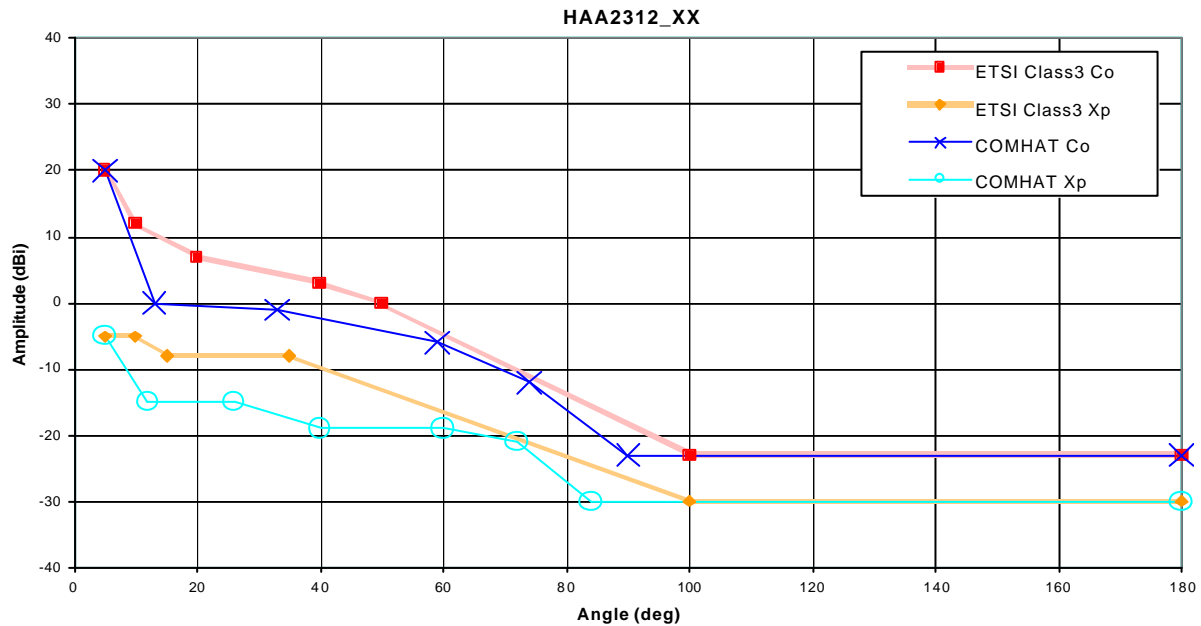
RADIATION PATTERN ENVELOPE (RPE)

Copolar

| | | | | | | | | |
|--------------------------|----|----|----|----|-----|-----|-----|-----|
| Gain isotropic..... | 20 | 0 | -1 | -6 | -12 | -23 | -23 | dBi |
| Angle vs. Main lobe..... | 5 | 13 | 33 | 59 | 74 | 90 | 180 | deg |

Crosspolar

| | | | | | | | | | |
|--------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gain isotropic..... | -5 | -15 | -15 | -19 | -19 | -21 | -30 | -30 | dBi |
| Angle vs. Main lobe..... | 5 | 12 | 26 | 40 | 60 | 72 | 84 | 180 | deg |



Actual radiation patterns for production antennas will not have any peak exceeding the RPE by more than 3 dB.

For interface details see separate drawing: 902-HAAXXX_XX

