

TECHNICAL DATA

ANTENNA 11GHz 0.3m HIGH PERFORMANCE

Type: HAA1103_00

SHORT DESCRIPTION

This antenna combines high RF-performance with low profile and weight.

Note: Product information subject to change without notice.

ELECTRICAL DATA

Frequency Range	10.1 – 11.7 GHz
Gain (Low-band)	28.5 dBi
(Mid-band)	29.0 dBi
(High-band)	29.0 dBi
Half Power Beamwidth	5.1° – 6.2°
Cross-Polar Discrimination (within a –1dB co-polarised contour)	32 dB
Front-to-Back Ratio	48 dB
VSWR/Return Loss	1.43:1 / 15 dB
ETSI Compliance	EN 302 217 Jun 2006 Class 2
Polarisation	Vertical/Horizontal
Output Flange (Standard)	PBR100

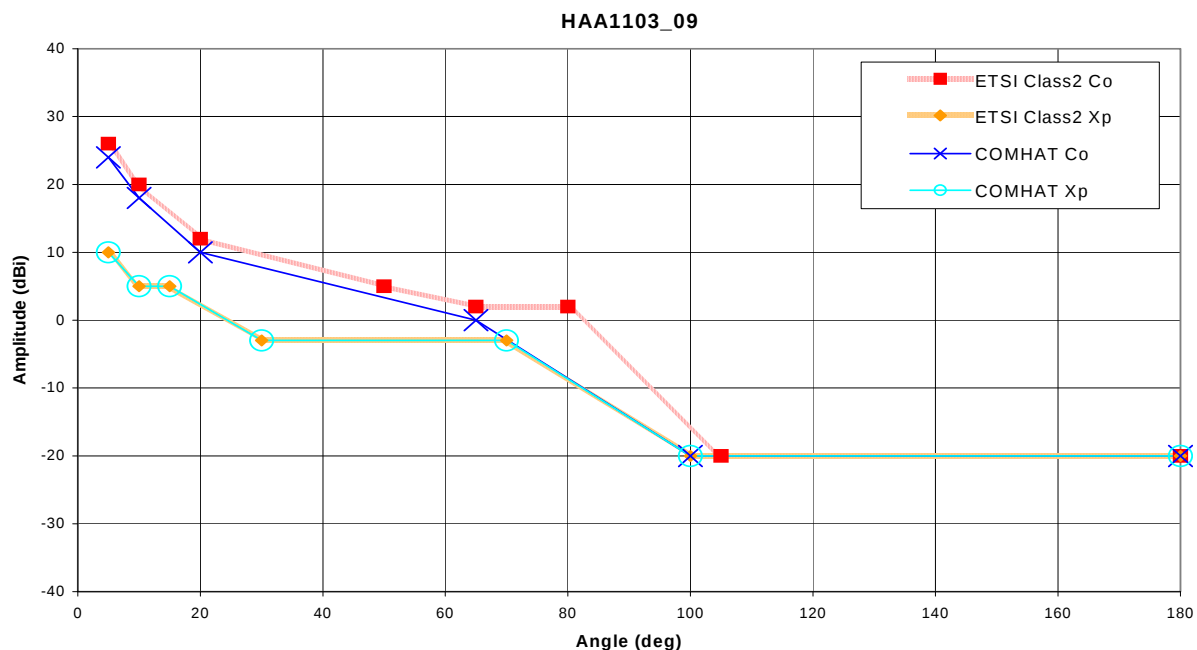
RADIATION PATTERN ENVELOPE (RPE)

Copolar

Gain isotropic	24	18	10	0	-20	-20	dBi
Angle vs. Main lobe	5	10	20	65	100	180	deg

Crosspolar

Gain isotropic	10	5	5	-3	-3	-20	-20	dBi
Angle vs. Main lobe	5	10	15	30	70	100	180	deg



For interface details see separate drawing: 902-HAAXXXX_XX

MECHANICAL DATA

Size	0.3 m
Depth	143 mm
Weight	2.6 kg
Antenna colour	NCS S2502-R Grey
Radome	Solid UV Stabilised PC Conical
Weight / Mast Mount	4.4 kg
Shipping dimensions: Antenna	395 mm x 395 mm x 310 mm
Mast Mount	257 mm x 223 mm x 252 mm
Shipping weight: Antenna	3.6 kg
Mast Mount	4.8 kg
Temperature (operational)	-40 to +55 °C
Relative humidity	15 to 100%
Wind load: Operational	50 m/s (180 km/h)
Survival	70 m/s (250 km/h)
Ice load (900 kg/m ³)	25 mm
Panning performance: (in azimuth)	±20°
(in elevation)	±20°

DRAWING

For interface details see separate drawing: 902-HAAXXX_XX