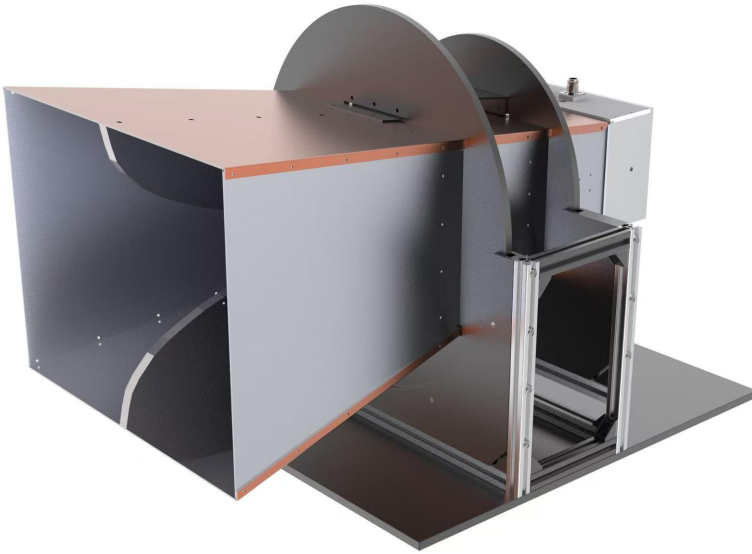


# BROADBAND DUAL RIDGED HORN ANTENNA



## 0.4GHz-6GHz

Linear Polarized with high polarization purity  
Low Return Loss / VSWR  
Wide bandwidth  
High Power handling capability

The Ultra wide-band dual ridged horn antenna OBH-460-HG is designed for superior performance across a wide range of frequency spectrum ensuring consistent signal strength. It can transmit a clear and precise signal even in a challenging environment. The gain increases with respect to the frequency up to approximately 19dBi and a maximum power handling capability of up to 1400W. Especially, it performs even more outstandingly in the EMC/EMI test.

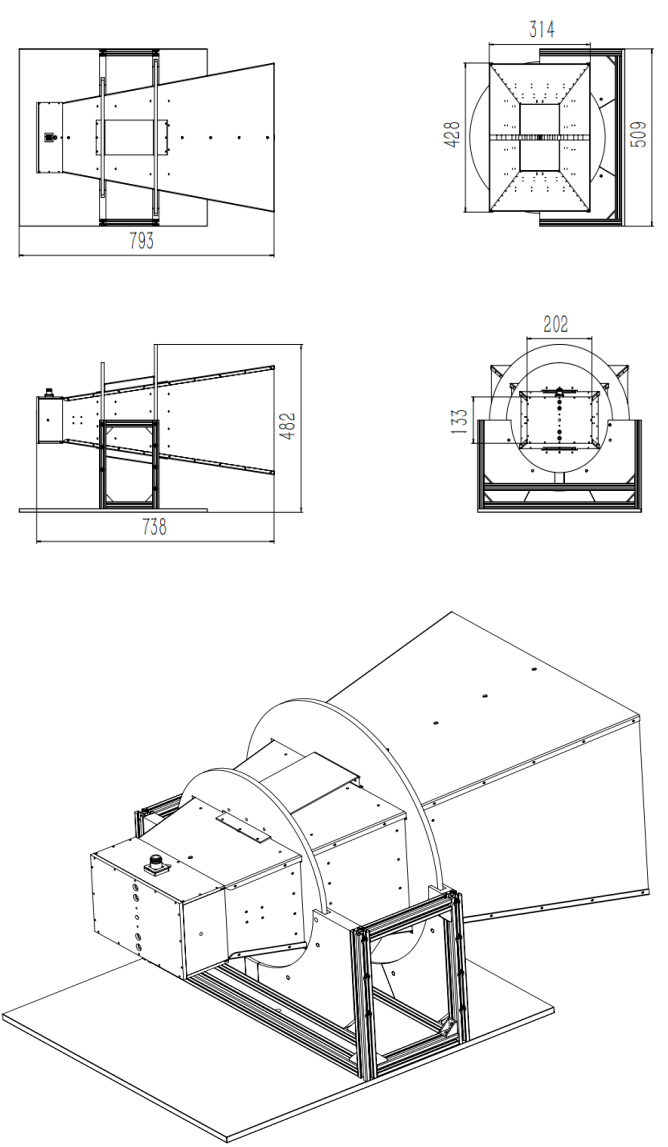
Electrical Specifications

Min. Frequency (GHz)	0.4
Max. Frequency (GHz)	6
Gain (dBi)	6-19
Impedance (Ohm)	50
Connector	N-type Female
VSWR	< 2Typ.
Input power(W)	400-1400

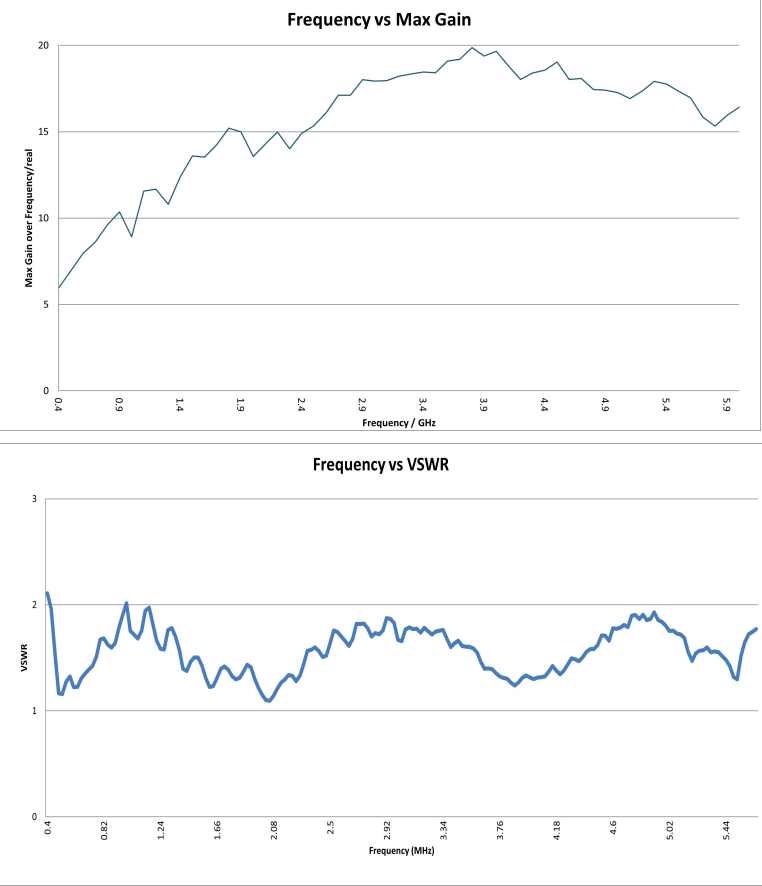
Mechanical Specifications

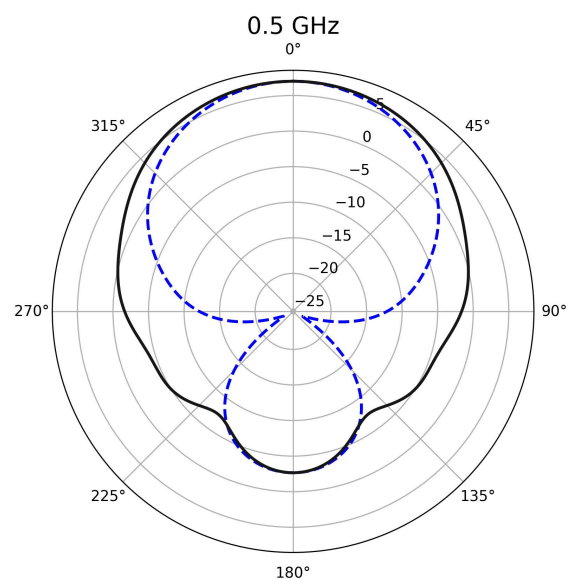
Weight	9.58kg
Dimensions	738*509*482mm
Material	Aluminium

Product Dimensions

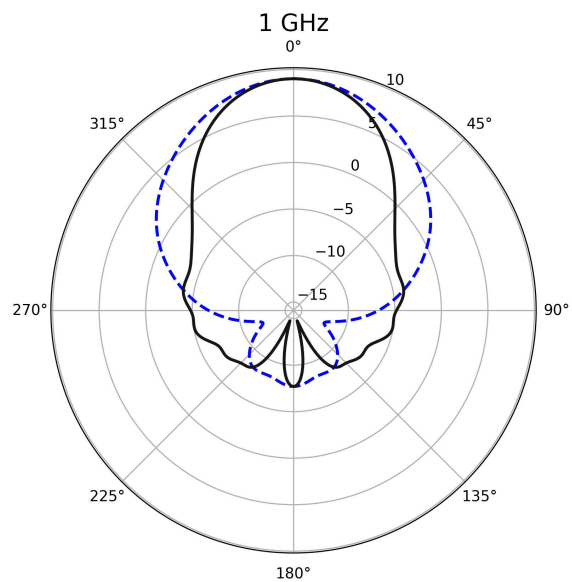


Plots

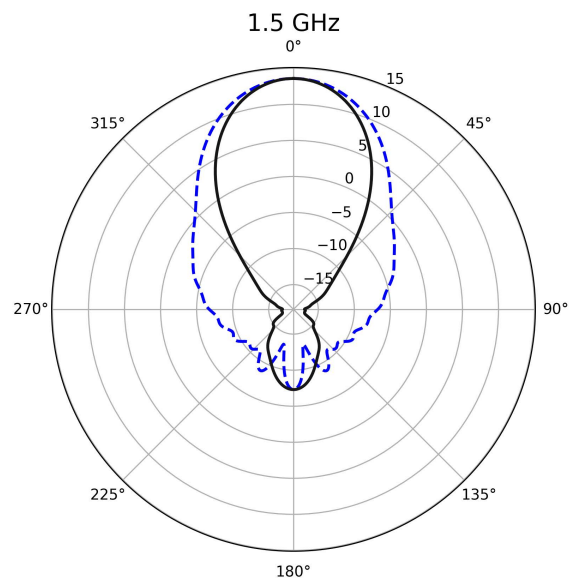




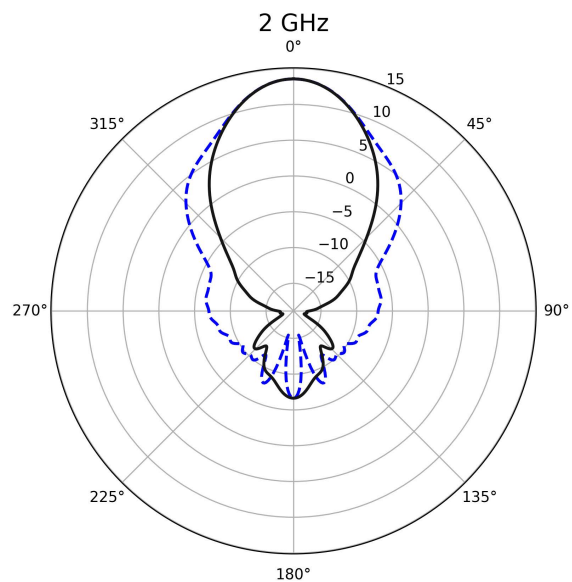
--- Gain(dB) Pattern-E HPBW 70.5°    — Gain(dB) Pattern-H HPBW 92.4°



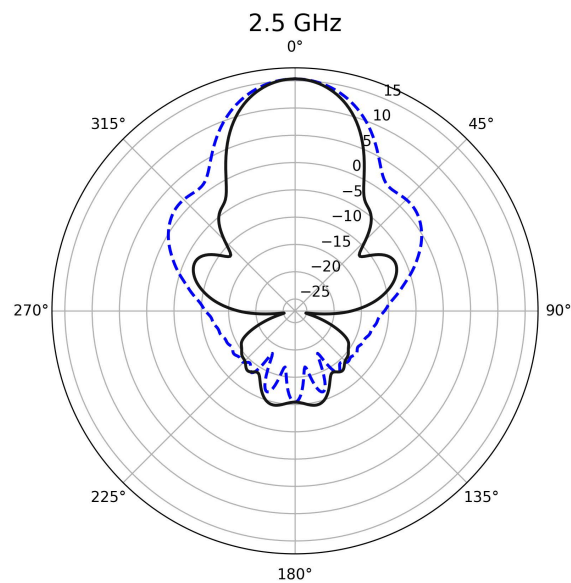
--- Gain(dB) Pattern-E HPBW 63.6°    — Gain(dB) Pattern-H HPBW 47.3°



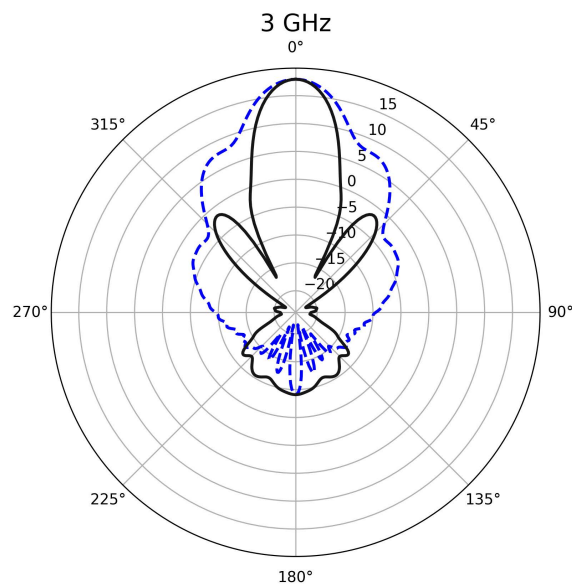
--- Gain(dB) Pattern-E HPBW 39.0°    — Gain(dB) Pattern-H HPBW 32.4°



--- Gain(dB) Pattern-E HPBW 31.4°    — Gain(dB) Pattern-H HPBW 30.9°

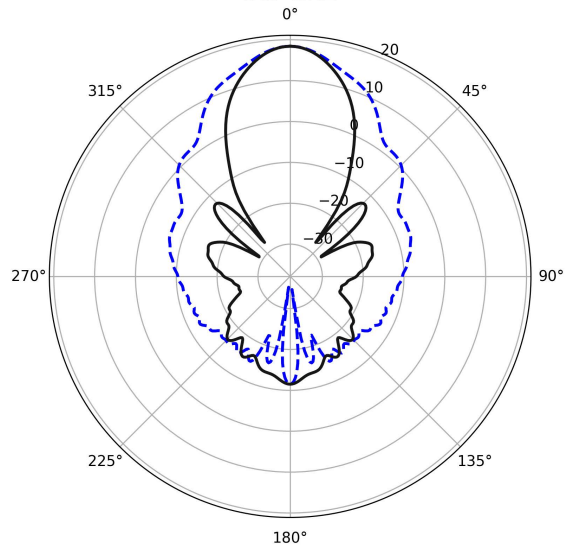


--- Gain(dB) Pattern-E HPBW 30.7°    — Gain(dB) Pattern-H HPBW 25.8°



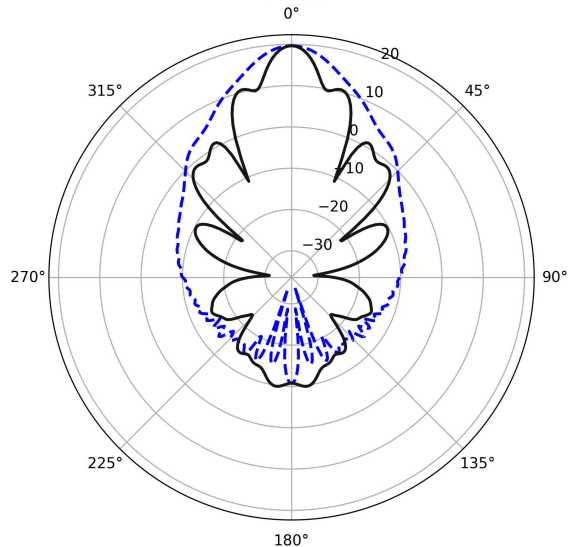
--- Gain(dB) Pattern-E HPBW 20.1°    — Gain(dB) Pattern-H HPBW 15.4°

3.5 GHz



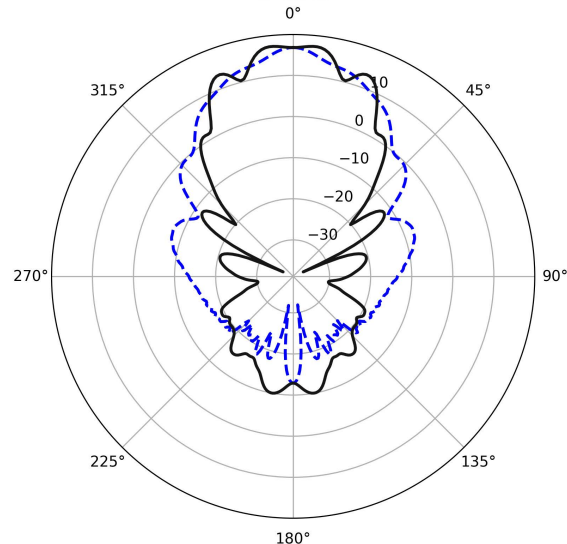
--- Gain(dB) Pattern-E HPBW 21.7°    — Gain(dB) Pattern-H HPBW 18.6°

4 GHz



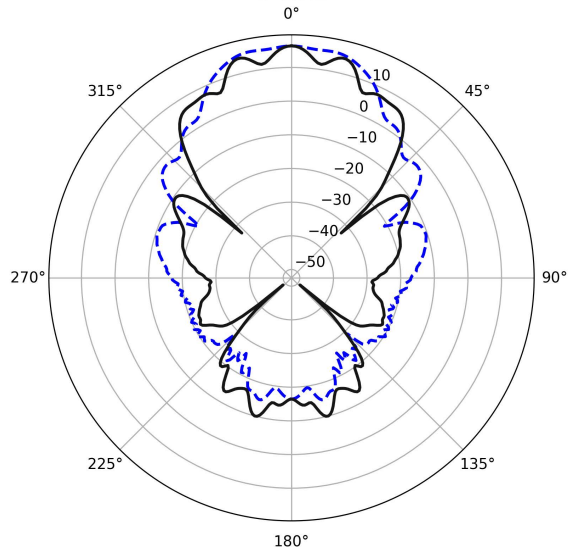
--- Gain(dB) Pattern-E HPBW 18.5°    — Gain(dB) Pattern-H HPBW 10.3°

5 GHz



--- Gain(dB) Pattern-E HPBW 18.6°    — Gain(dB) Pattern-H HPBW 22.1°

6 GHz



--- Gain(dB) Pattern-E HPBW 36.2°    — Gain(dB) Pattern-H HPBW 10.4°