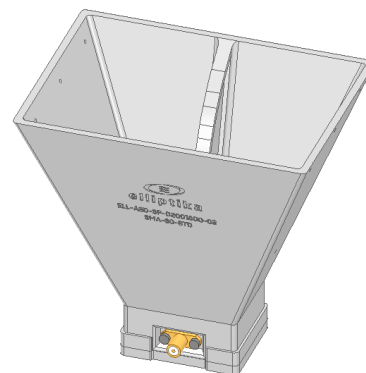


Electrical specifications

Frequency Range	2 – 18	[GHz]
VSWR (max.)	≤ 2	–
S_{11} (max.)	≤ -10	[dB]
Impedance	50	[Ω]
Connector	SMA	–
Power (CW)	–	[W]
Power (Impulse)	–	[W]
Gain	6 – 16	[dBi]
Polarization	Linear	–

Mechanical specifications

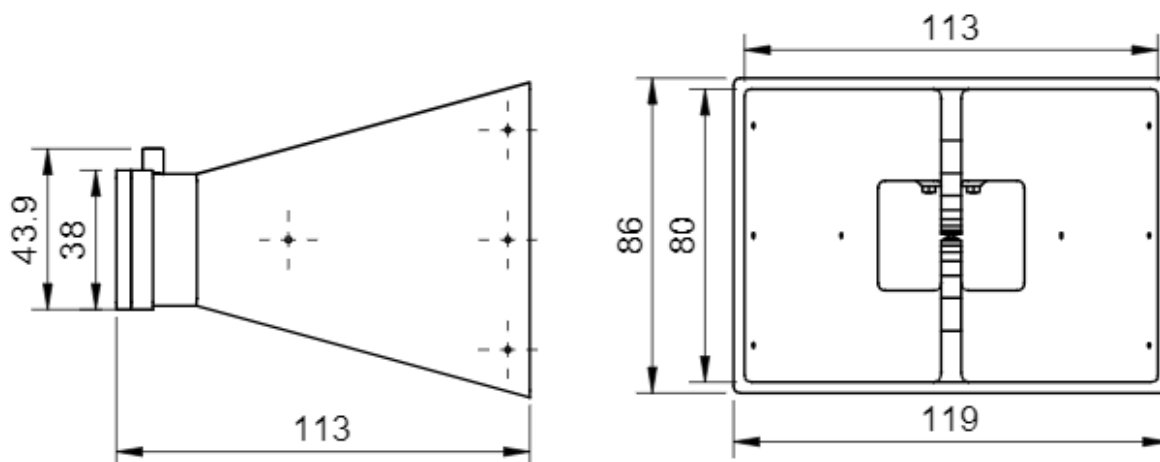
W x L x H	see p. 2
Weight	see p. 2



This antenna and its various versions are 3D-printed in plastic before undergoing a copper metallization process with a tin finish. They are also coated with a silicone layer.

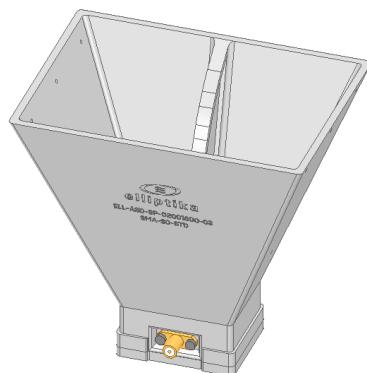
All the following graphs are based on electromagnetic simulations.

Technical Drawing

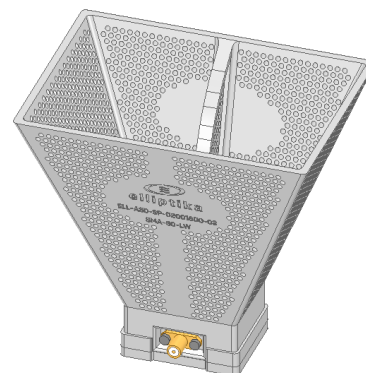


Design

Standard (STD)



Light Weight (LW)



W x L x H 119 x 89 x 113 [mm³]

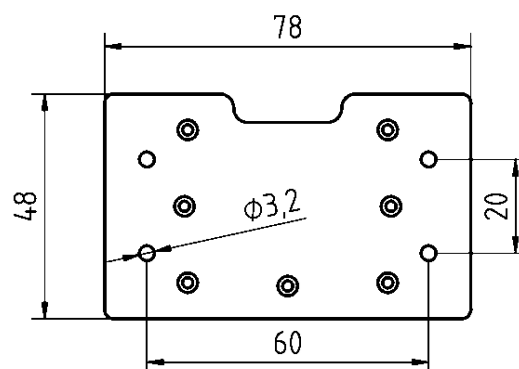
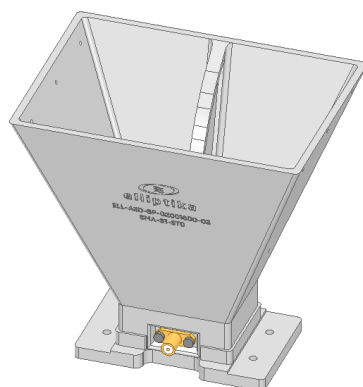
Weight ~180 [g]

W x L x H 119 x 89 x 113 [mm³]

Weight ~140 [g]

Option

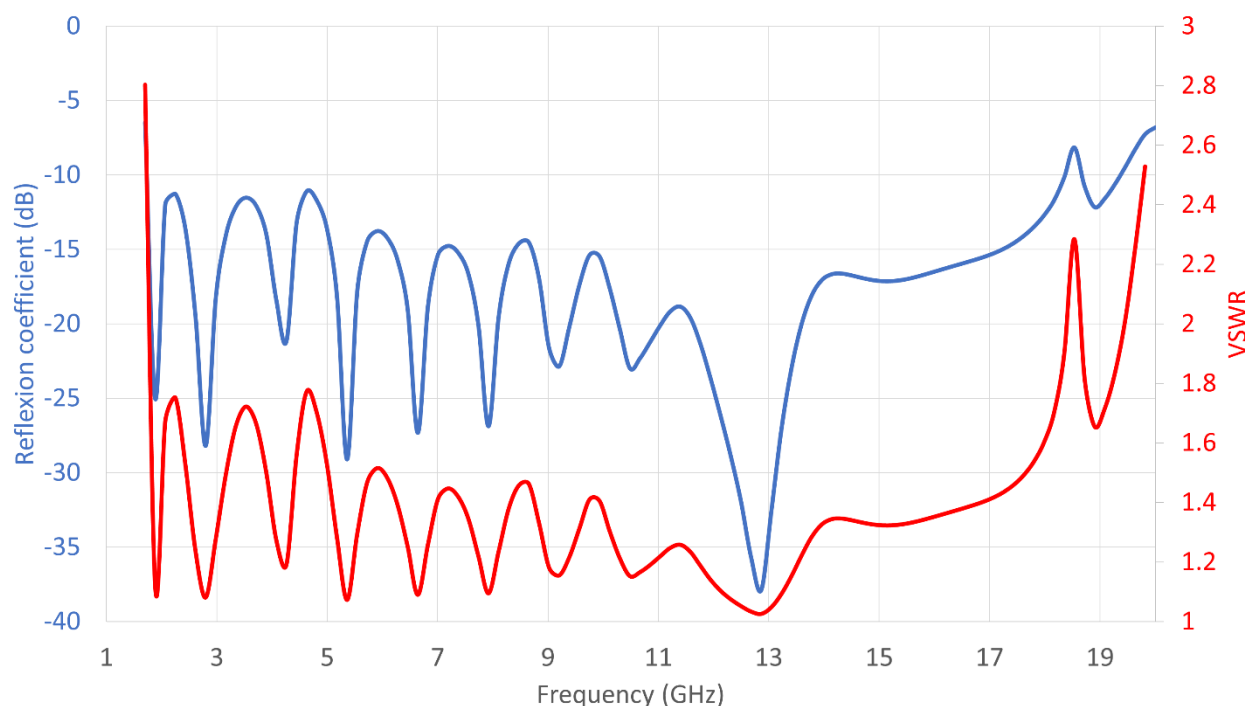
Rear Mounting (S1)



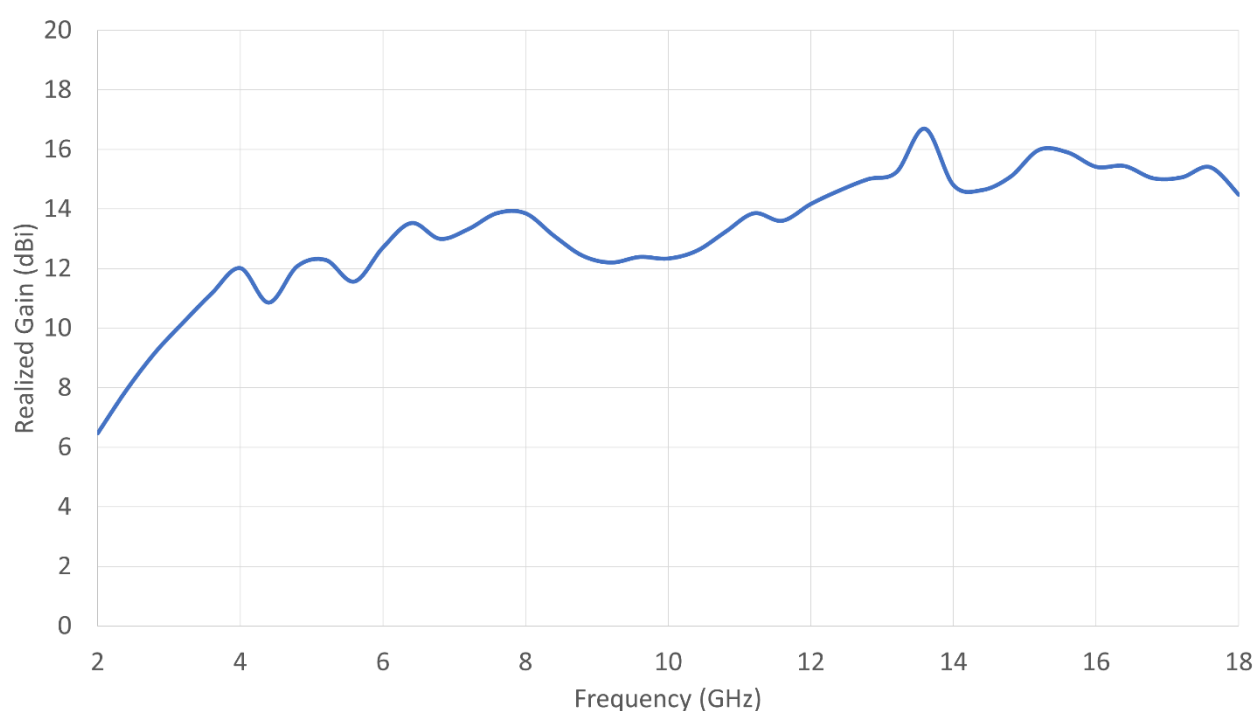
W x L x H 119 x 89 x 115 [mm³]

Additionnal Weight +22 [g]

Reflexion coefficient



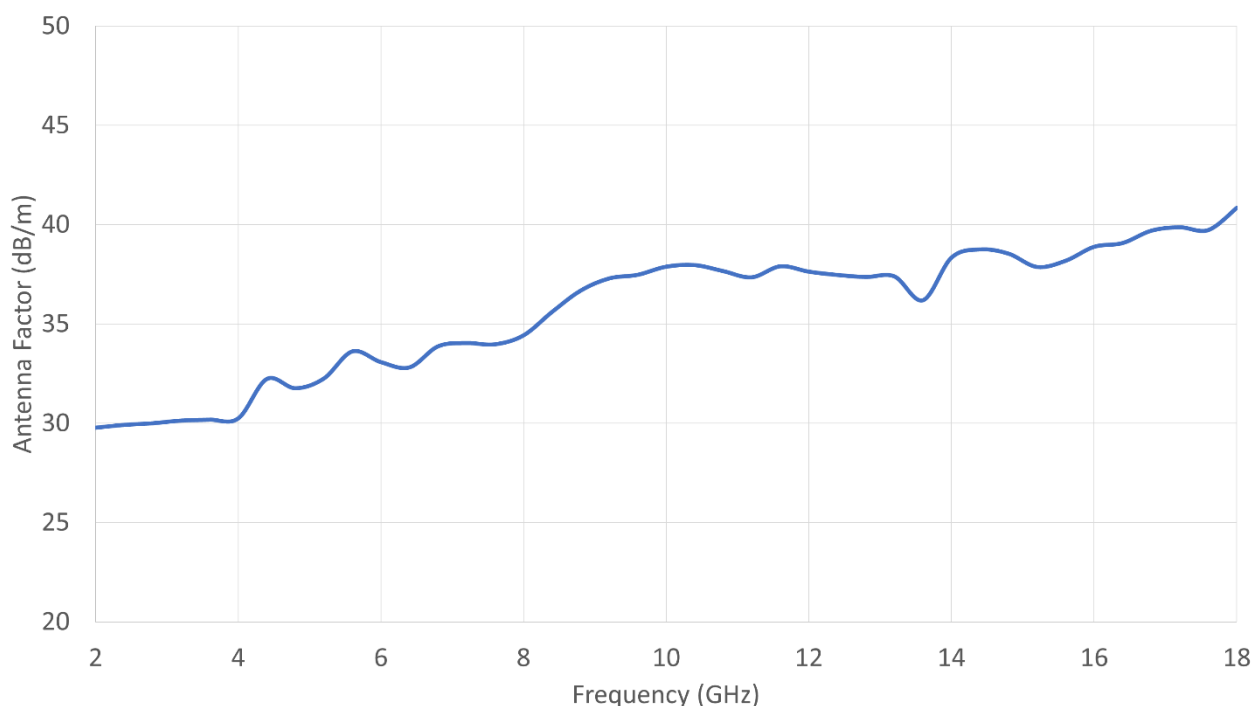
Gain



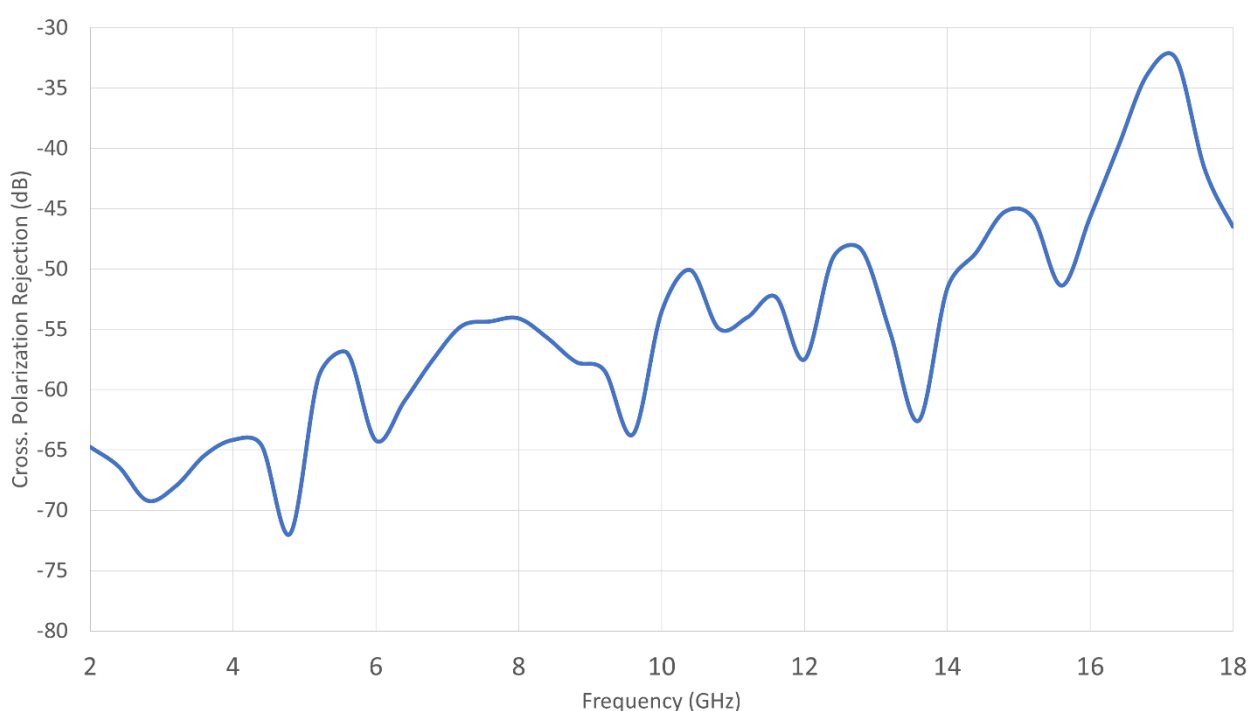


Dual Ridged Horn 2 – 18 GHz

Antenna Factor

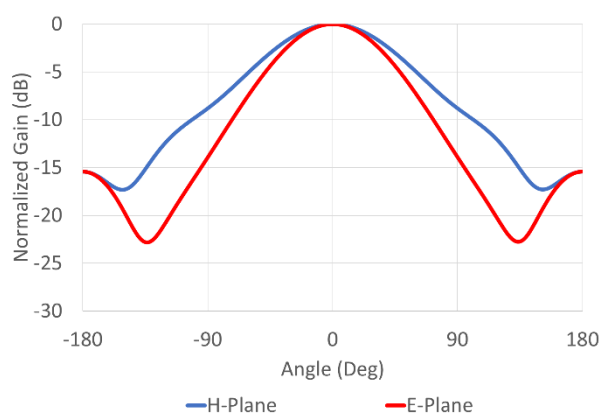


Cross. Pol. Rejection

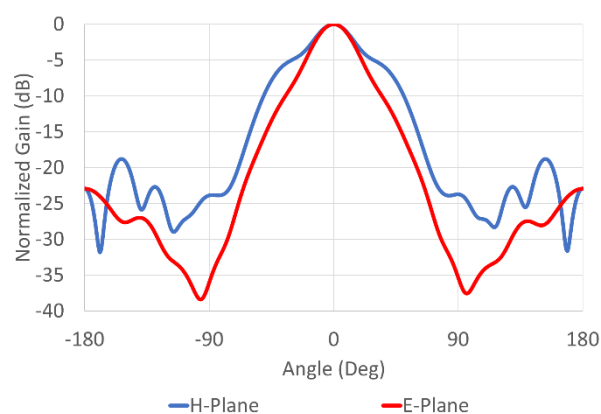


Radiation patterns

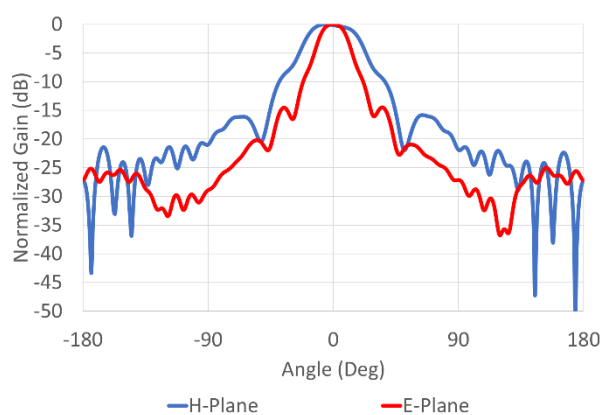
2 GHz



7.4 GHz



12.6 GHz



18 GHz

