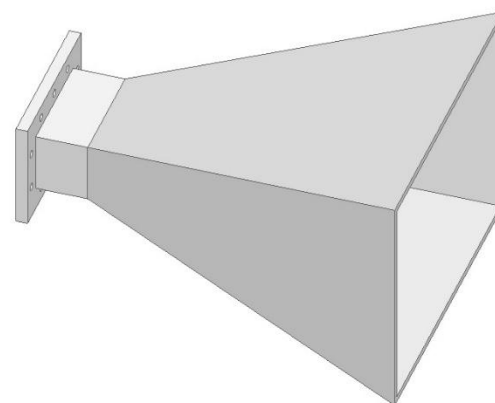


Electrical specifications

Frequency Range	2.2 – 3.3	[GHz]
VSWR (max.)	≤ 1.28	–
S_{11} (max.)	≤ -18	[dB]
Impedance	50	[Ω]
Connector	Flange	–
Power (CW)	10	[W]
Power (Impulse)	20	[W]
Gain	14.5	[dBi]
Polarization	Linear	–

Physical specifications

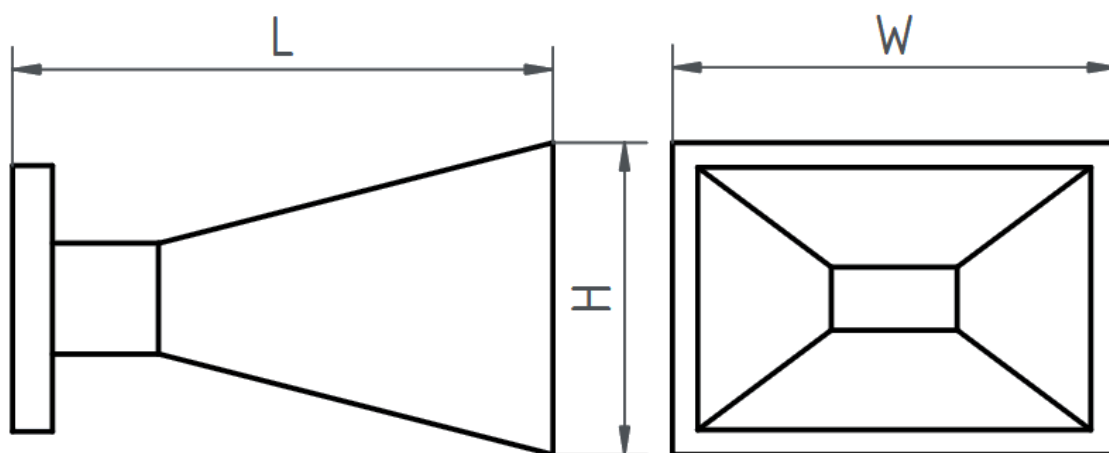
W x L x H	see p. 2	[mm ³]
Weight	see p. 2	[g]



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



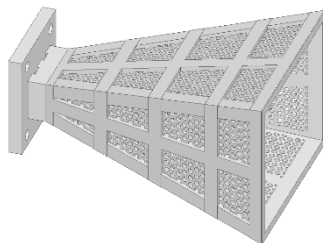
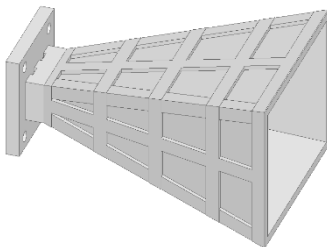
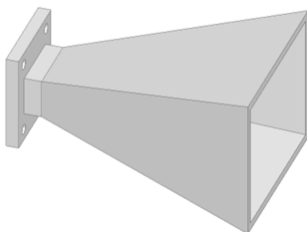


Pyramidal Horn Antenna

2.2 – 3.3 GHz



Standard (STD)	Light Weight (LW)	Ultra Light Weight (ULW)
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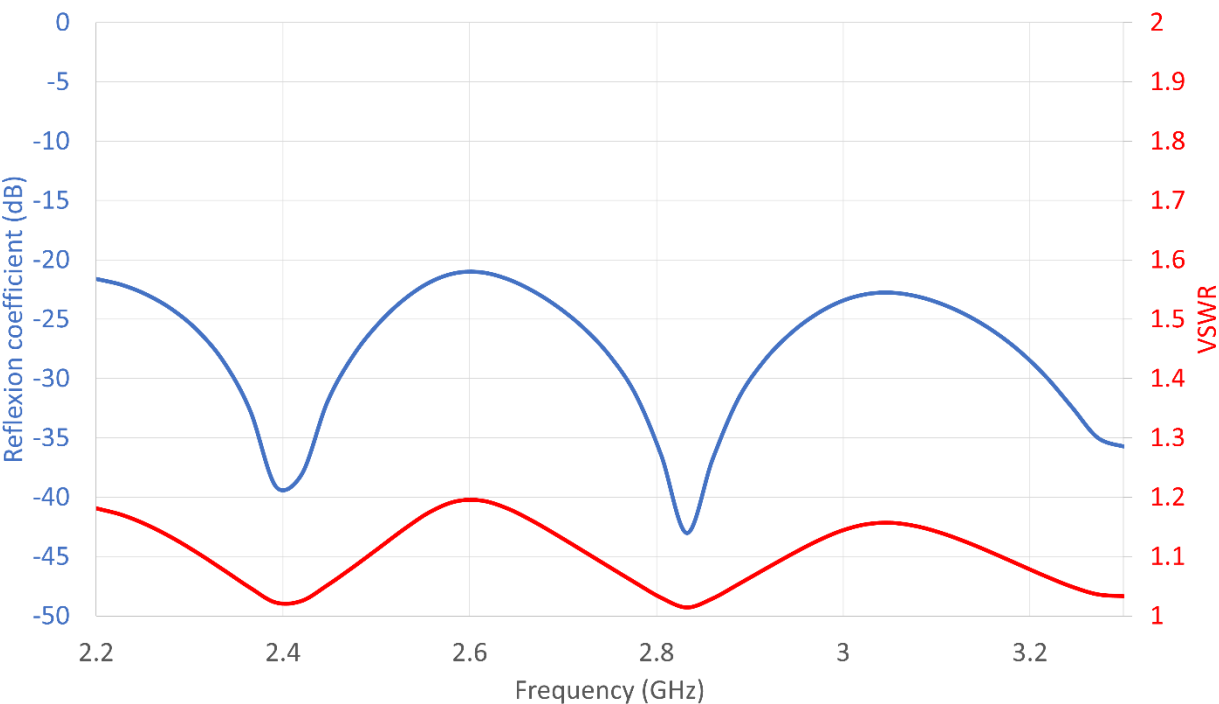
W x L x H [mm ³]	279 x 350 x 202	279 x 350 x 202	279 x 350 x 202
Weight [g]	~1850	~1330	~1100



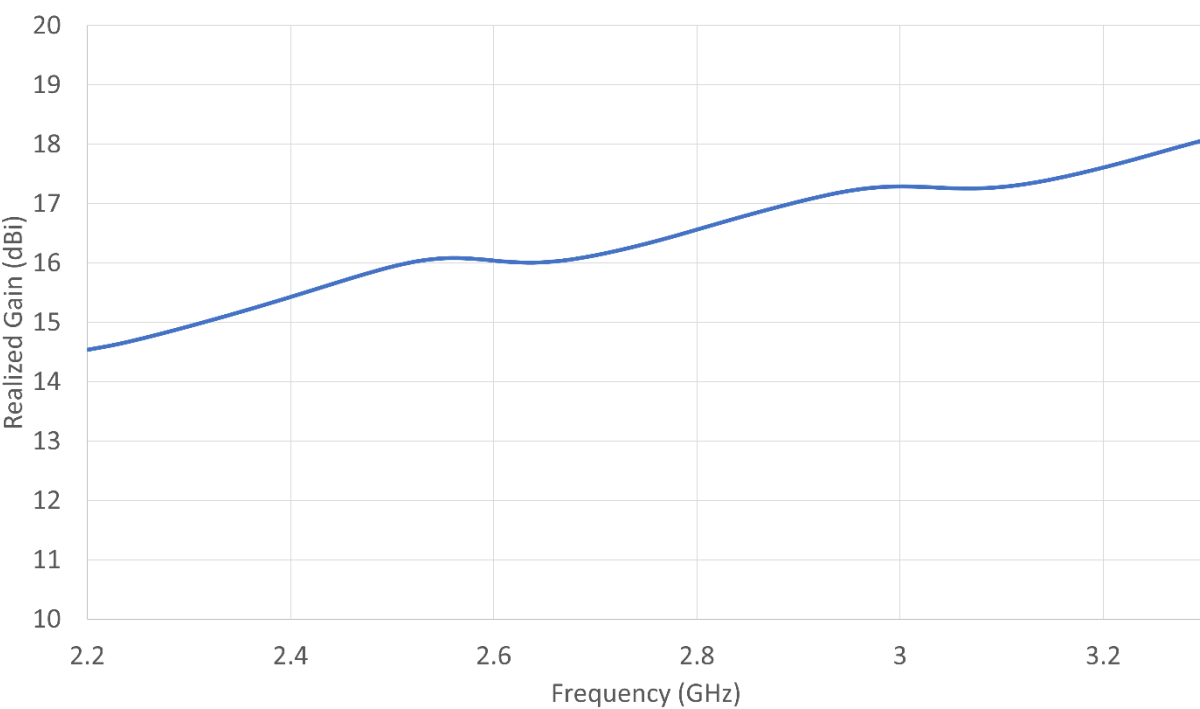
Pyramidal Horn Antenna

2.2 – 3.3 GHz

Reflexion coefficient



Gain

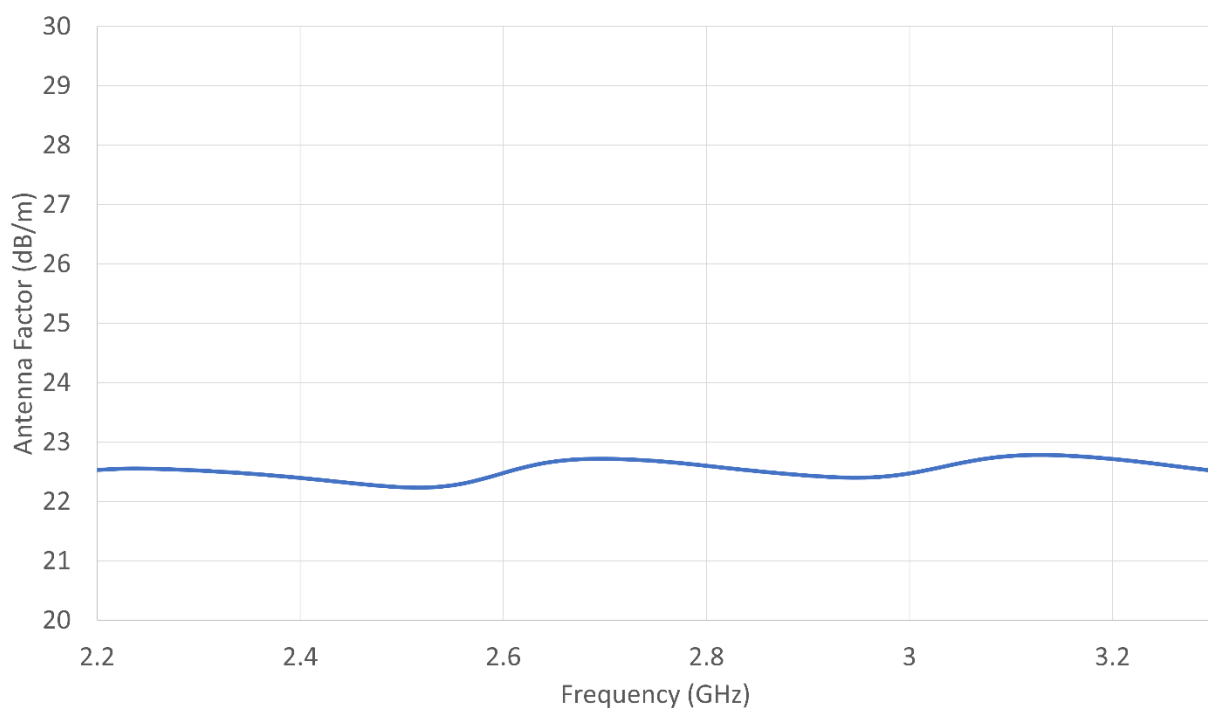




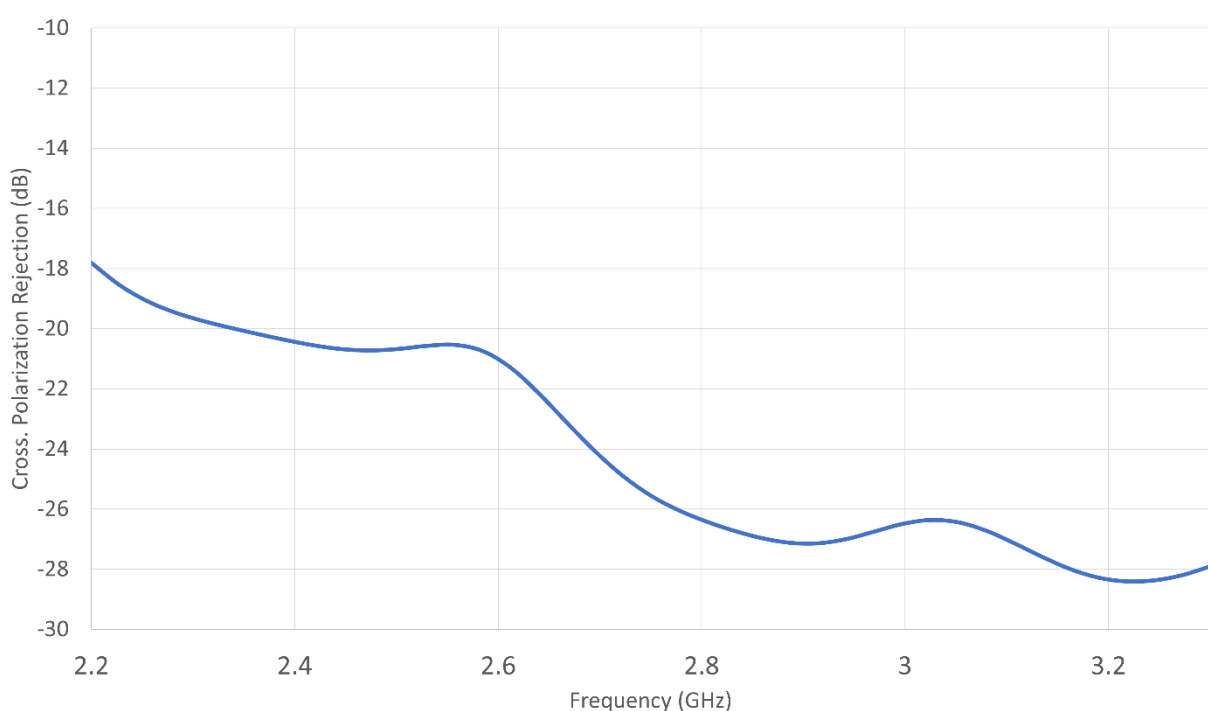
Pyramidal Horn Antenna

2.2 – 3.3 GHz

Antenna Factor

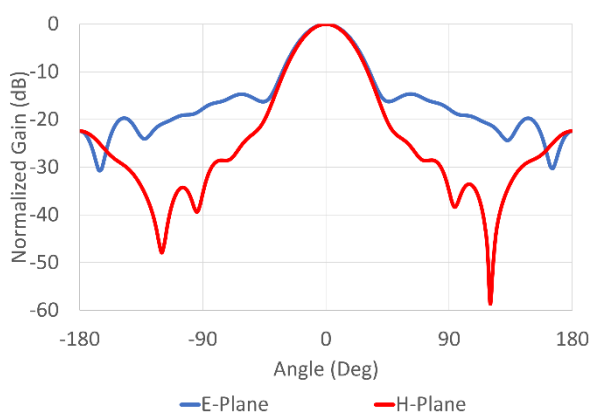


Cross. Pol. Rejection

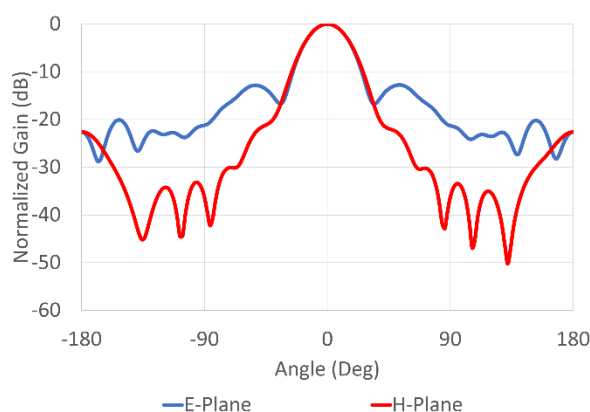


Radiation patterns

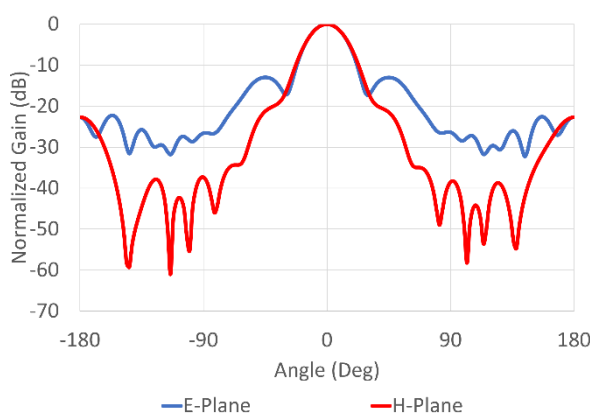
2.2 GHz



2.6 GHz



2.9 GHz



3.3 GHz

