25 dBi Gain, 8.2-12.5 GHz, WR90 Standard Gain Horn with SMA Female Port

Rev 1

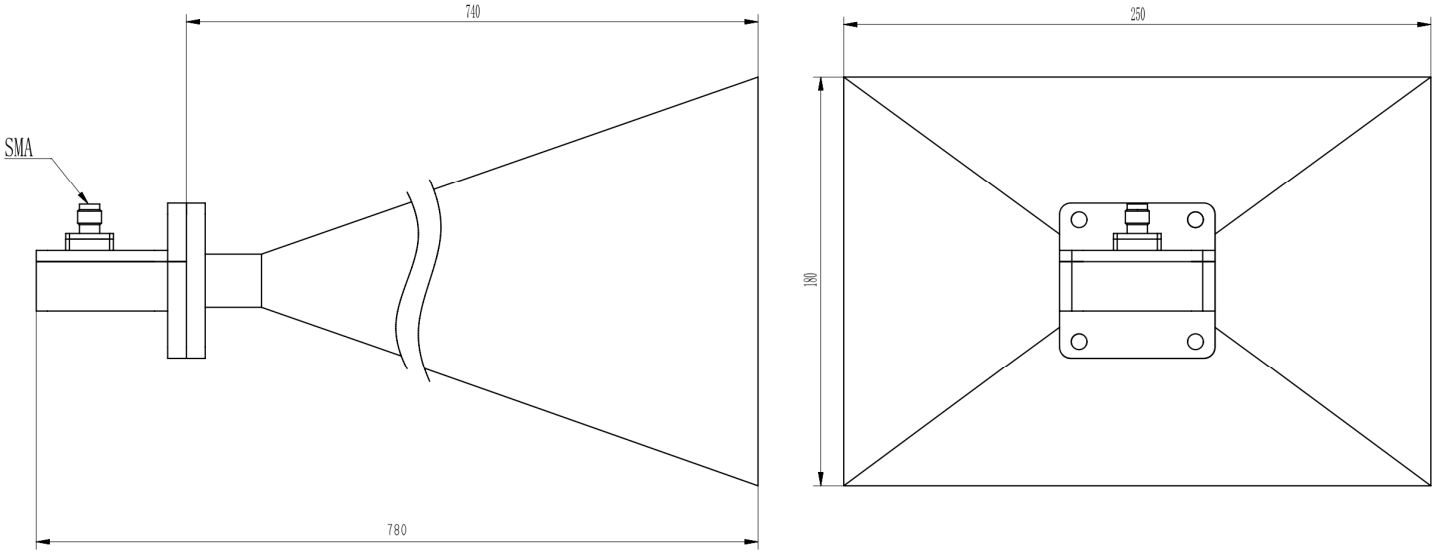
Electrical

Frequency Range	8.2-12.5 GHz
Norminal Gain	25 dBi
Polarization	Linear
VSWR	1.3 max
Operating Temperature	-40℃~+70℃

Mechanical

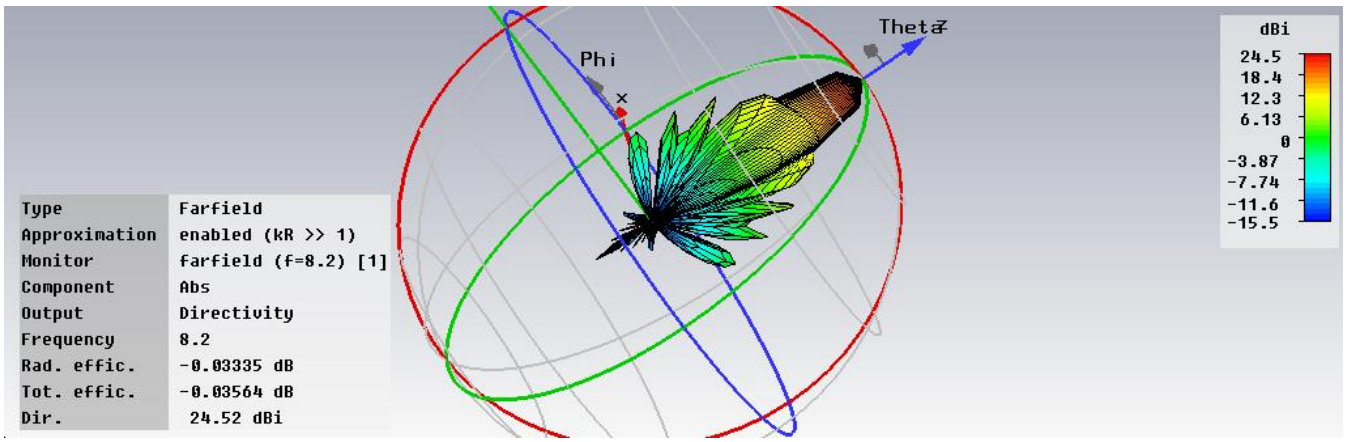
Waveguide Size	WR90
Flange Type	UBR100 Square Cover Flange
Body Material and Finish	Aluminum, Painted
RF Connector	SMA Female

Dimensions(mm)



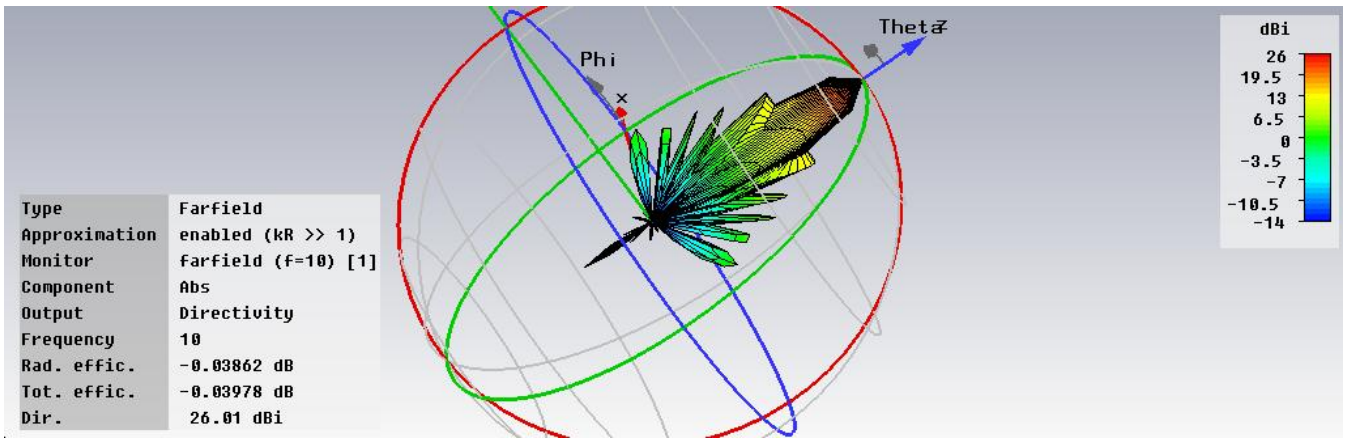
Gain

8.2GHz



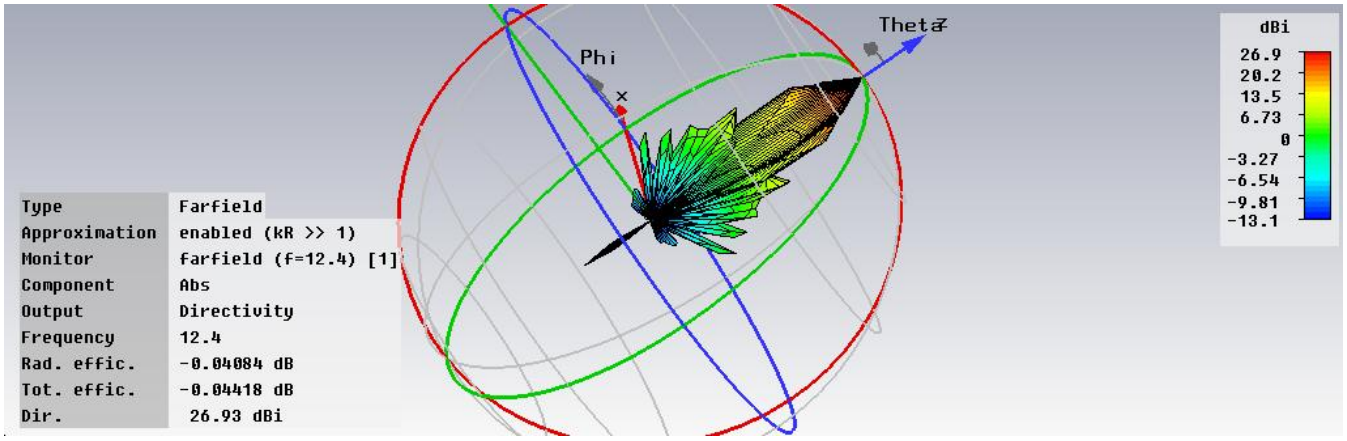
Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=8.2) [1]
Component	Abs
Output	Directivity
Frequency	8.2
Rad. effic.	-0.03335 dB
Tot. effic.	-0.03564 dB
Dir.	24.52 dBi

10GHz



Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=10) [1]
Component	Abs
Output	Directivity
Frequency	10
Rad. effic.	-0.03862 dB
Tot. effic.	-0.03978 dB
Dir.	26.01 dBi

12.4GHz



Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=12.4) [1]
Component	Abs
Output	Directivity
Frequency	12.4
Rad. effic.	-0.04084 dB
Tot. effic.	-0.04418 dB
Dir.	26.93 dBi