

15 dBi Gain, 5.38-8.17 GHz, WR137 Standard Gain Horn with UDR70

Flange

Rev 1

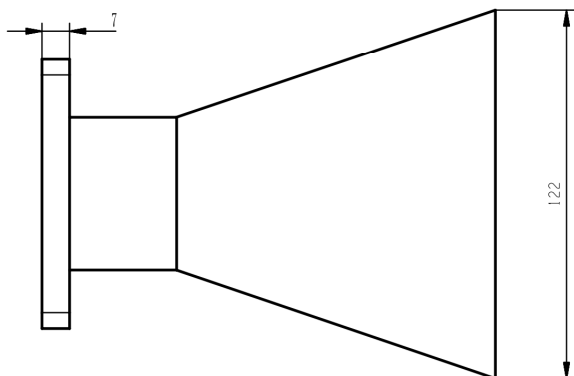
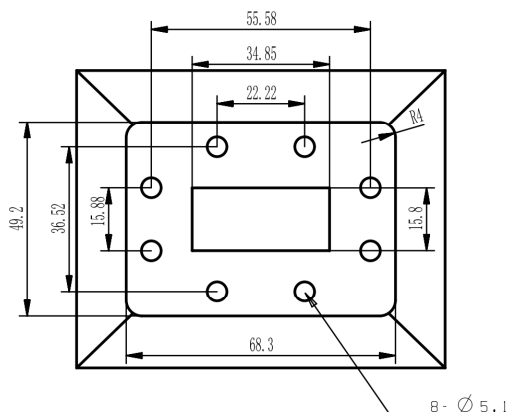
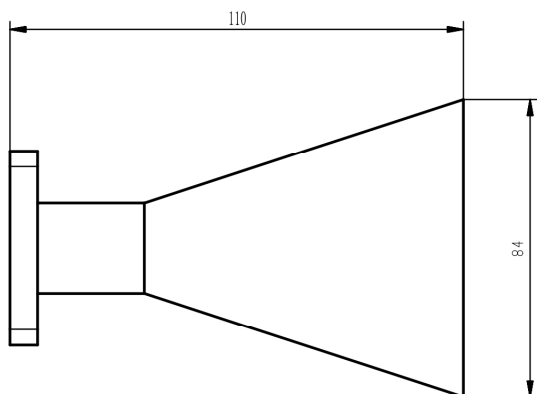
Electrical

Frequency Range	5.38-8.17 GHz
Norminal Gain	15 dBi
Polarization	Linear
VSWR	1.2 max
Operating Temperature	-40℃~+70℃

Mechanical

Waveguide Size	WR137
Flange Type	UDR70 Rectangular Cover Flange
Body Material and Finish	Aluminum, Painted

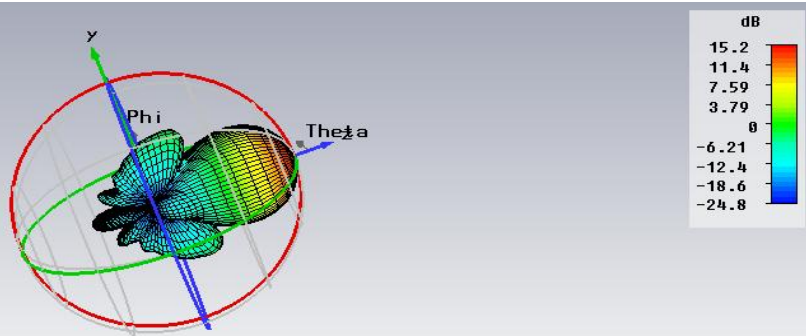
Dimensions(mm)



Gain

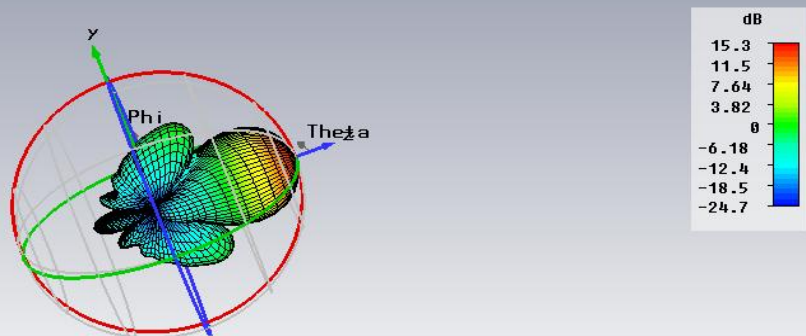
5.38GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	Farfield (f=5.38) [1]
Component	Abs
Output	Gain
Frequency	5.38
Rad. effic.	0.09885 dB
Tot. effic.	0.06789 dB
Gain	15.18 dB



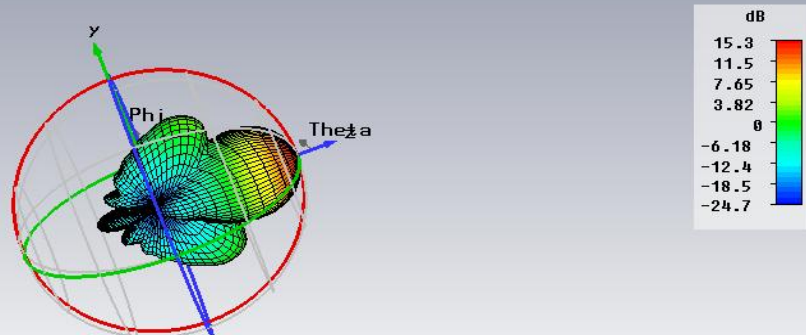
5.5GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	Farfield (f=5.5) [1]
Component	Abs
Output	Gain
Frequency	5.5
Rad. effic.	0.06696 dB
Tot. effic.	0.03821 dB
Gain	15.28 dB



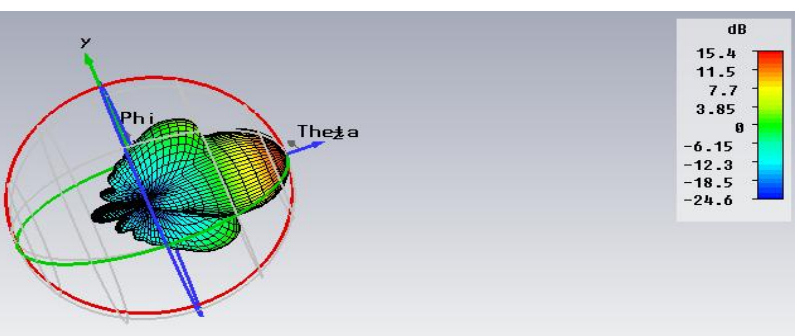
5.7GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	Farfield (f=5.7) [1]
Component	Abs
Output	Gain
Frequency	5.7
Rad. effic.	0.007125 dB
Tot. effic.	-0.004707 dB
Gain	15.30 dB

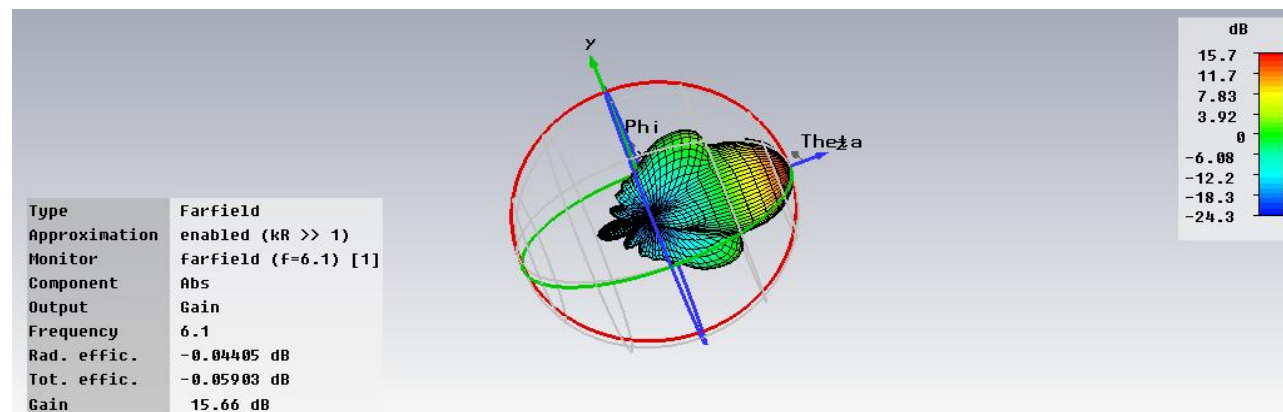


5.9GHz

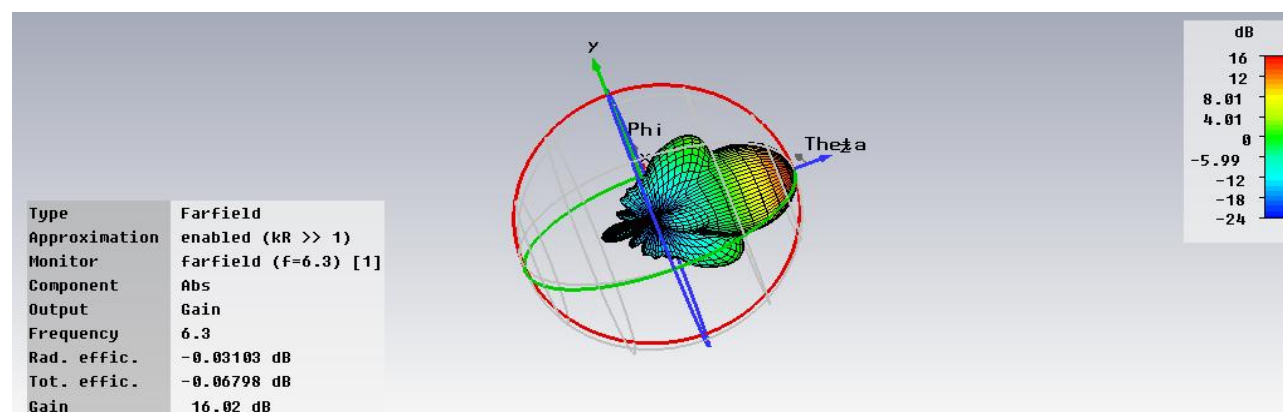
Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	Farfield (f=5.9) [1]
Component	Abs
Output	Gain
Frequency	5.9
Rad. effic.	-0.03638 dB
Tot. effic.	-0.03826 dB
Gain	15.39 dB



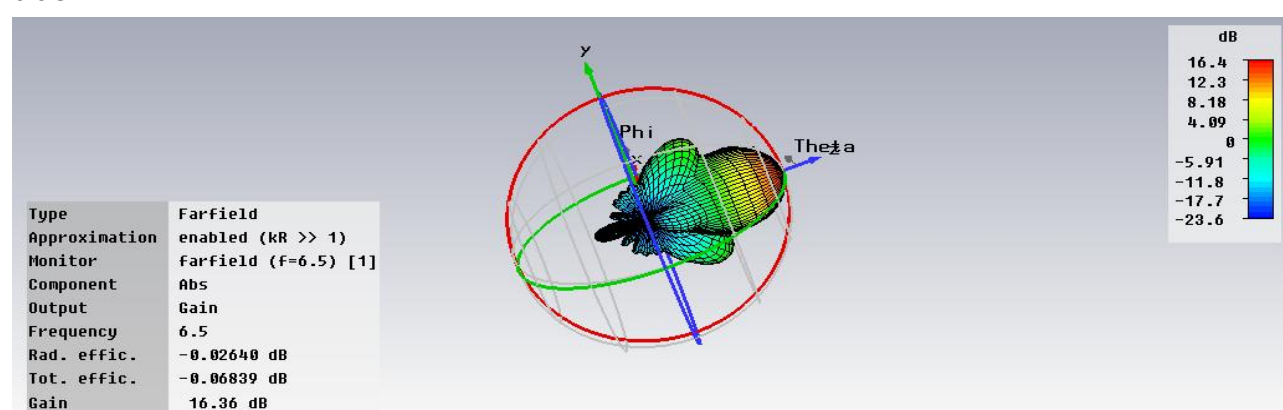
6.1GHz



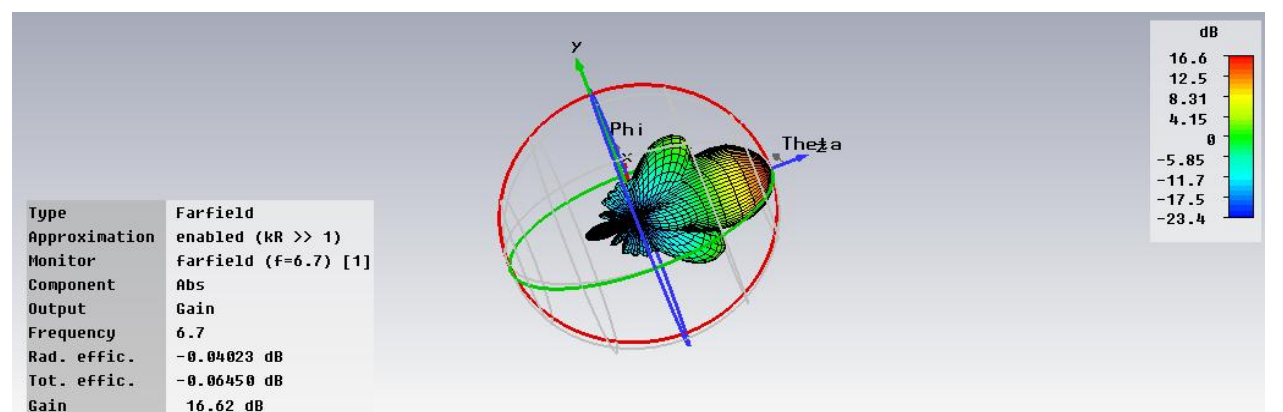
6.3GHz



6.5GHz

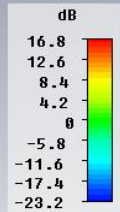
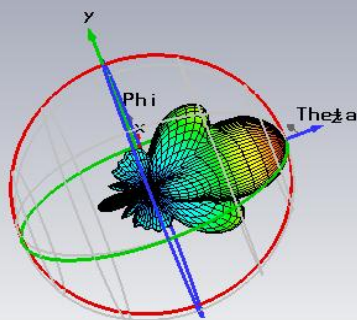


6.7GHz



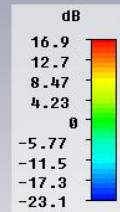
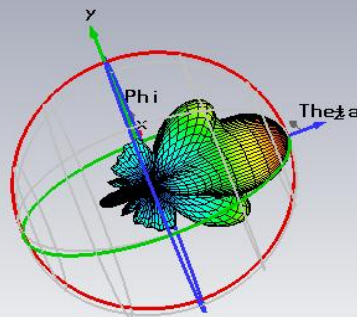
6.9GHz

Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=6.9) [1]
Component	Abs
Output	Gain
Frequency	6.9
Rad. effic.	-0.05674 dB
Tot. effic.	-0.06123 dB
Gain	16.79 dB



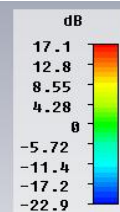
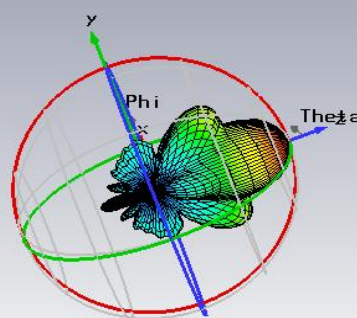
7.1GHz

Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=7.1) [1]
Component	Abs
Output	Gain
Frequency	7.1
Rad. effic.	-0.05808 dB
Tot. effic.	-0.06350 dB
Gain	16.93 dB



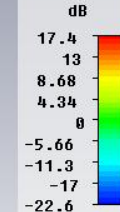
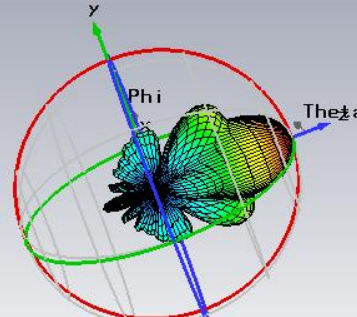
7.3GHz

Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=7.3) [1]
Component	Abs
Output	Gain
Frequency	7.3
Rad. effic.	-0.04854 dB
Tot. effic.	-0.07392 dB
Gain	17.11 dB

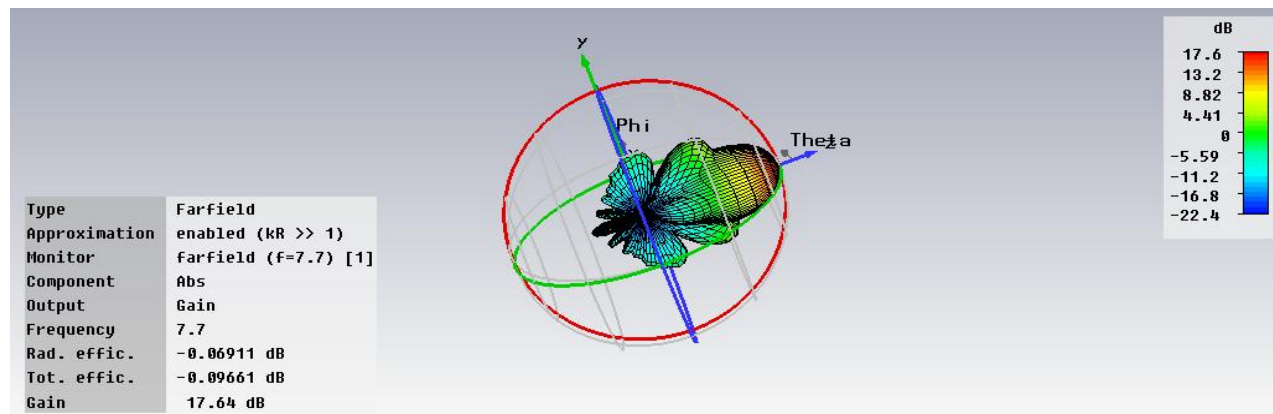


7.5GHz

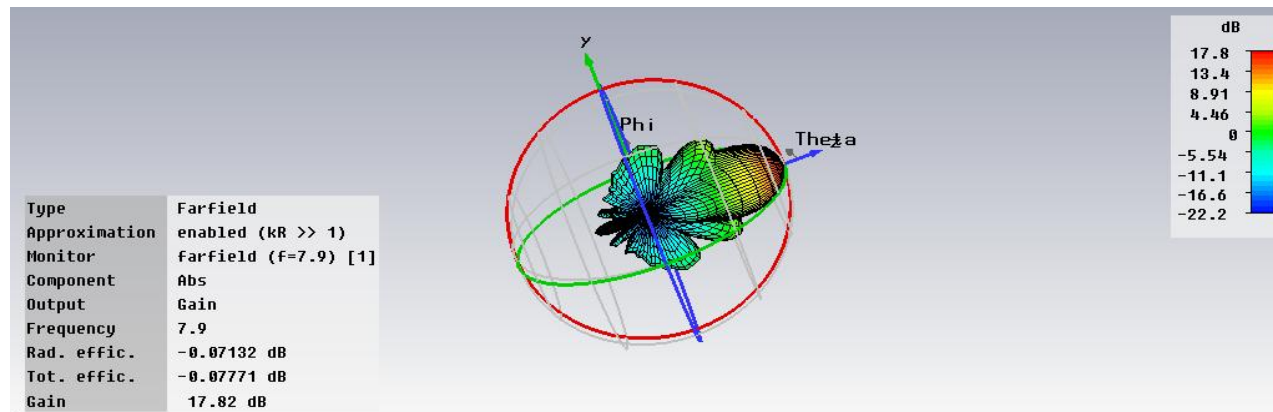
Type	Farfield
Approximation	enabled (kR >> 1)
Monitor	farfield (f=7.5) [1]
Component	Abs
Output	Gain
Frequency	7.5
Rad. effic.	-0.05017 dB
Tot. effic.	-0.08907 dB
Gain	17.36 dB



7.7GHz



7.9GHz



8.17GHz

