

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

Rev 1

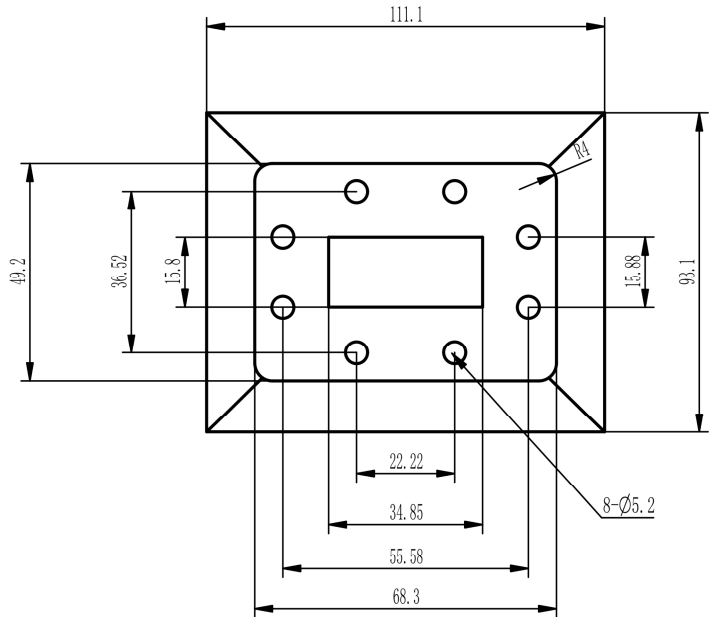
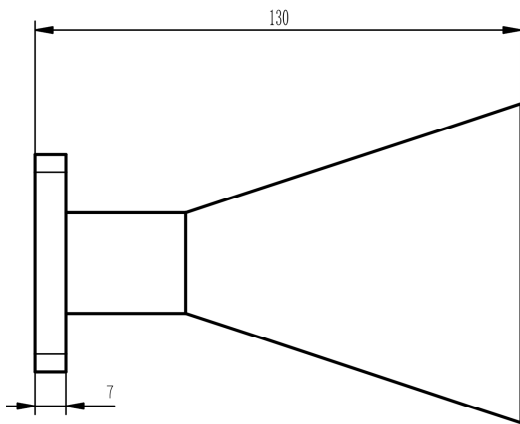
Electrical

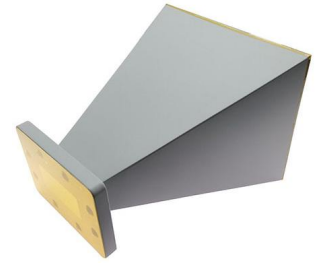
Frequency Range	5.38-8.17 GHz
Norminal Gain	15 dBi
Polarization	Linear
VSWR	1.2 max
Operating Temperature	-40°C~+70°C

Mechanical

Waveguide Size	WR137
Flange Type	UDR70 Rectangular Cover Flange
Body Material and Finish	Aluminum, Painted
Net Weight	Approx 195g

Dimensions(mm)

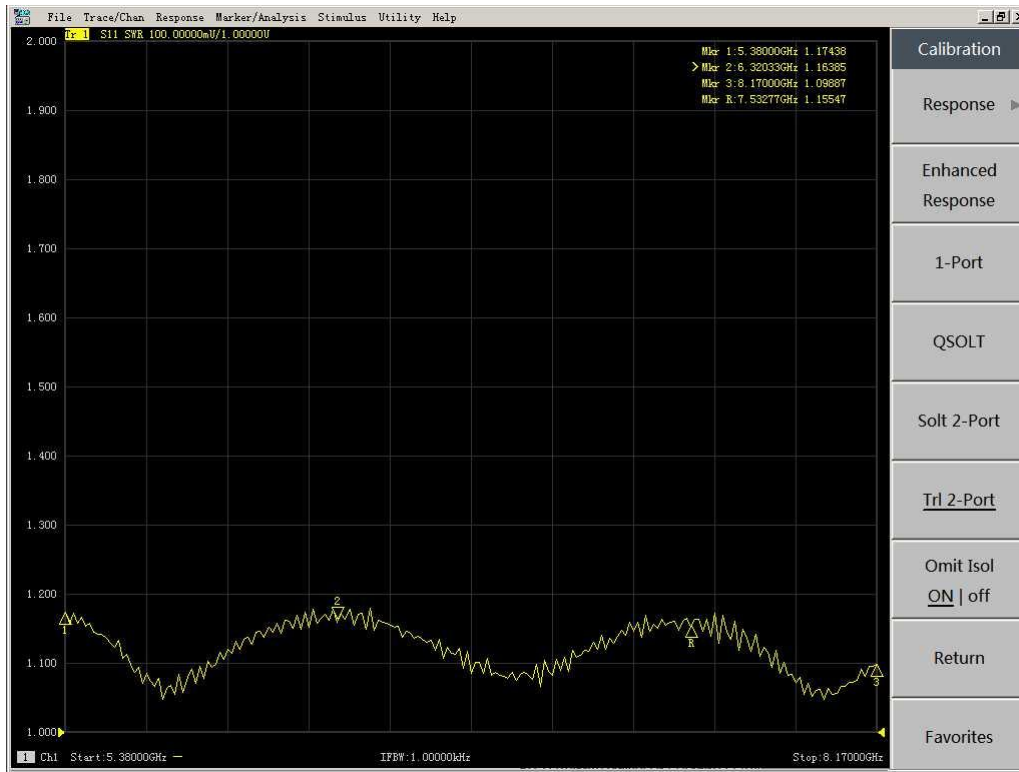




15 dBi Gain, 5.38-8.17 GHz, WR137 Standard Gain Horn with UDR70 Flange

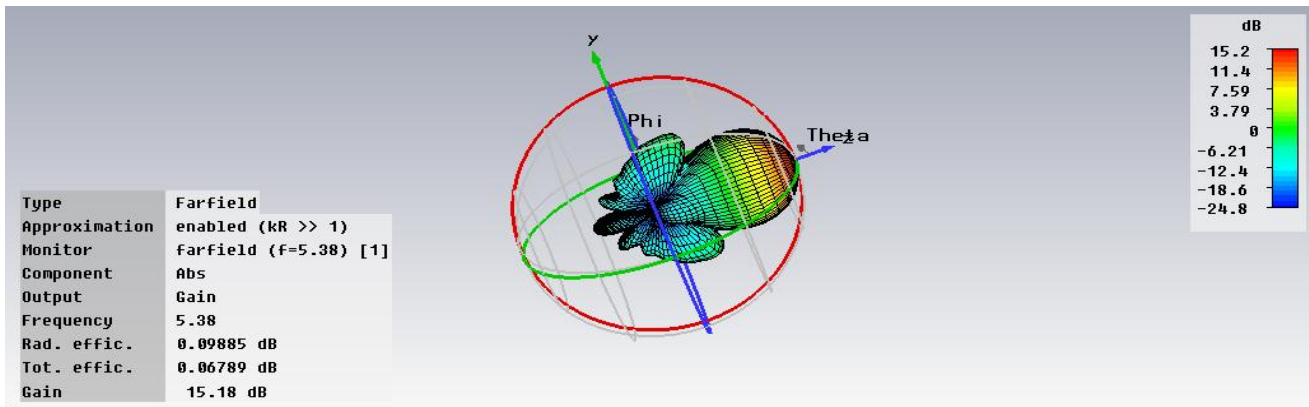
Rev 1

Typical Test Data

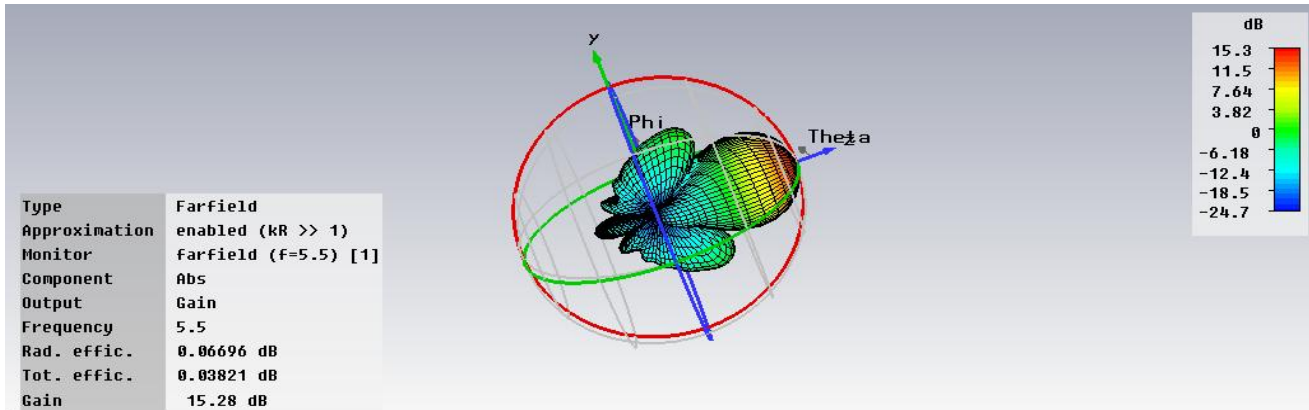


Gain

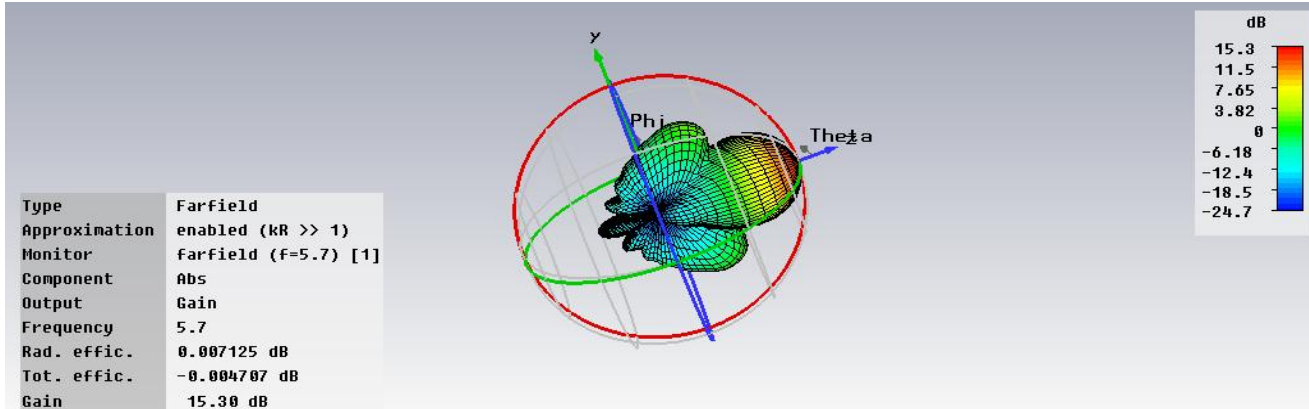
5.38GHz



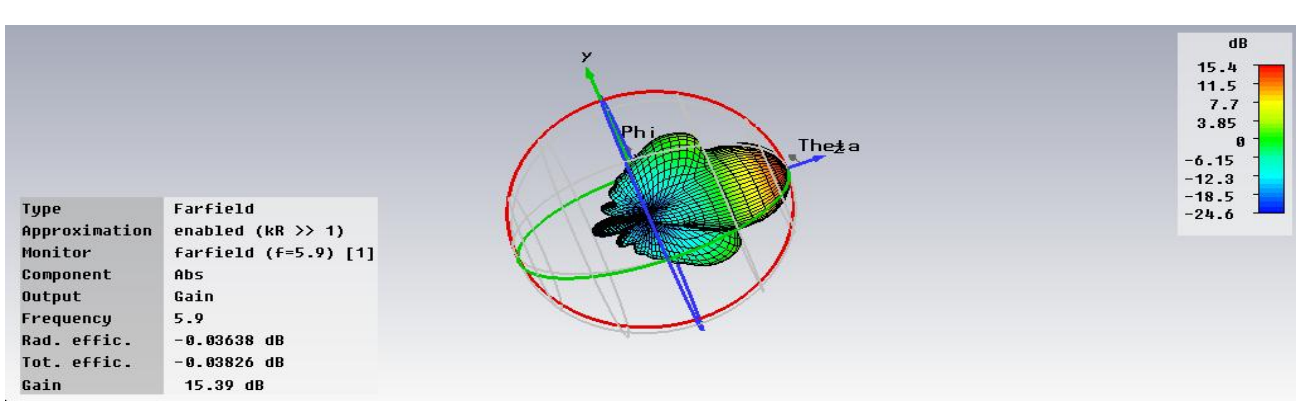
5.5GHz



5.7GHz

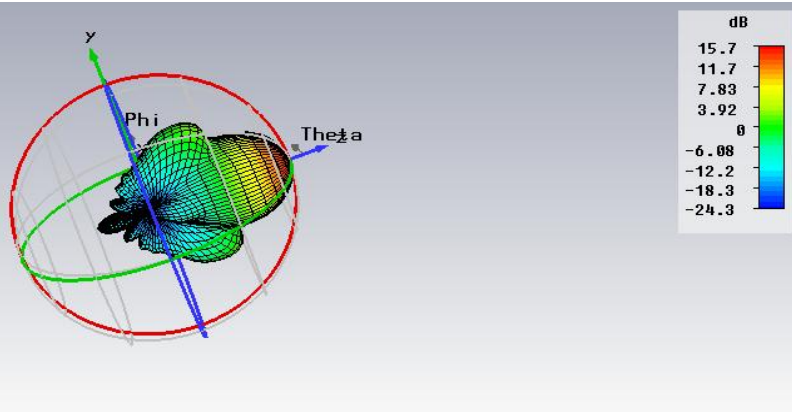


5.9GHz



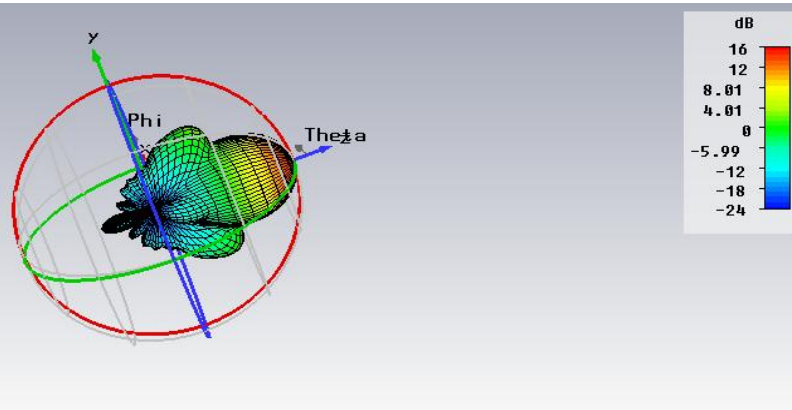
6.1GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	farfield (f=6.1) [1]
Component	Abs
Output	Gain
Frequency	6.1
Rad. effic.	-0.04405 dB
Tot. effic.	-0.05903 dB
Gain	15.66 dB



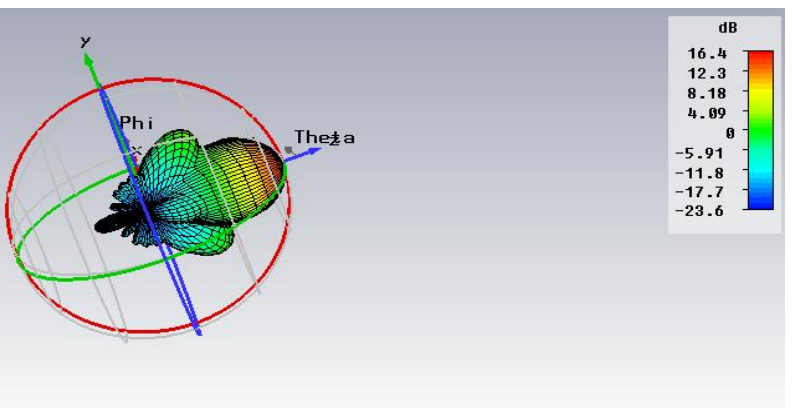
6.3GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	farfield (f=6.3) [1]
Component	Abs
Output	Gain
Frequency	6.3
Rad. effic.	-0.03103 dB
Tot. effic.	-0.06798 dB
Gain	16.02 dB



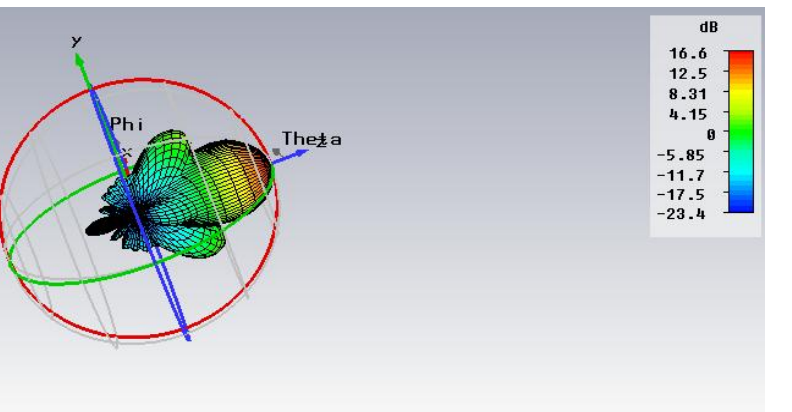
6.5GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	farfield (f=6.5) [1]
Component	Abs
Output	Gain
Frequency	6.5
Rad. effic.	-0.02640 dB
Tot. effic.	-0.06839 dB
Gain	16.36 dB



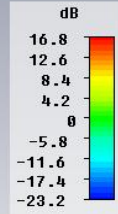
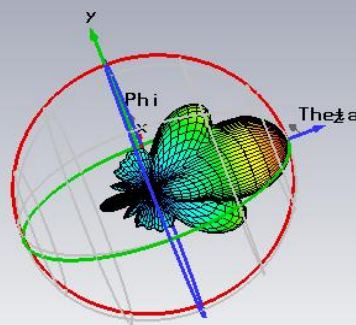
6.7GHz

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	farfield (f=6.7) [1]
Component	Abs
Output	Gain
Frequency	6.7
Rad. effic.	-0.04023 dB
Tot. effic.	-0.06450 dB
Gain	16.62 dB



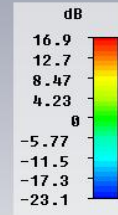
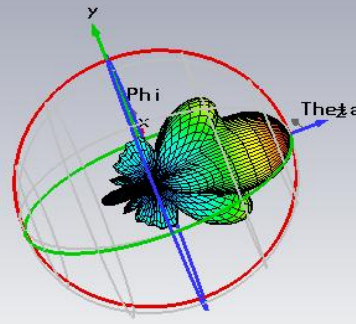
6.9GHz

Type	Farfield
Approximation	enabled ($KR \gg 1$)
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



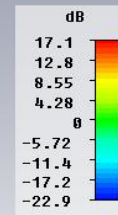
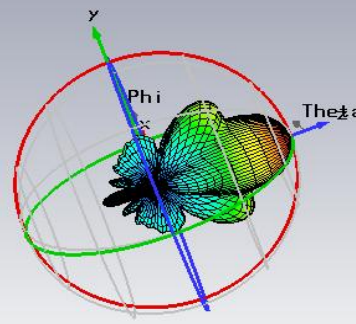
7.1GHz

Type	Farfield
Approximation	enabled ($KR \gg 1$)
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



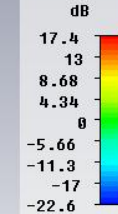
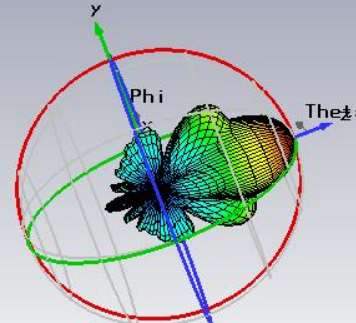
7.3GHz

Type	Farfield
Approximation	enabled ($KR \gg 1$)
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

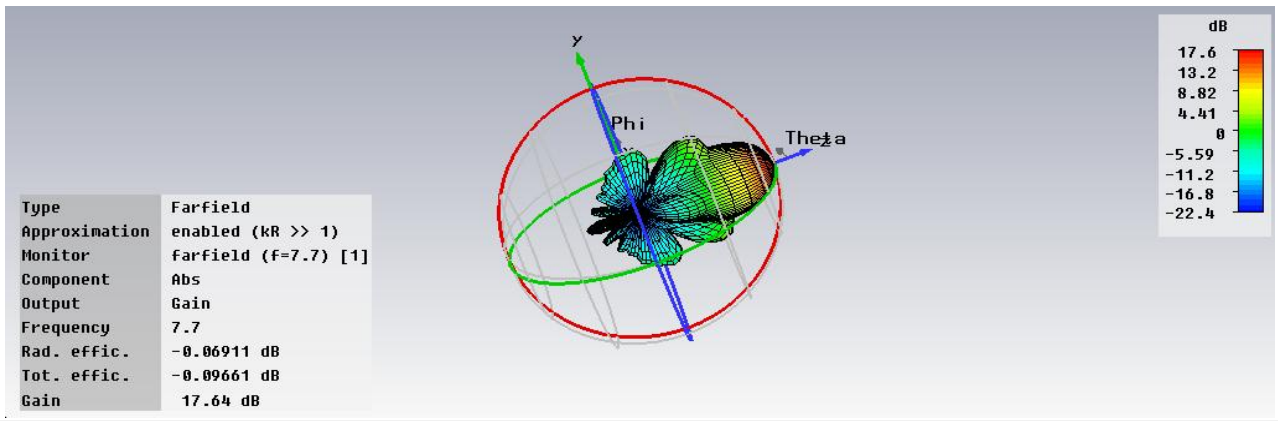


7.5GHz

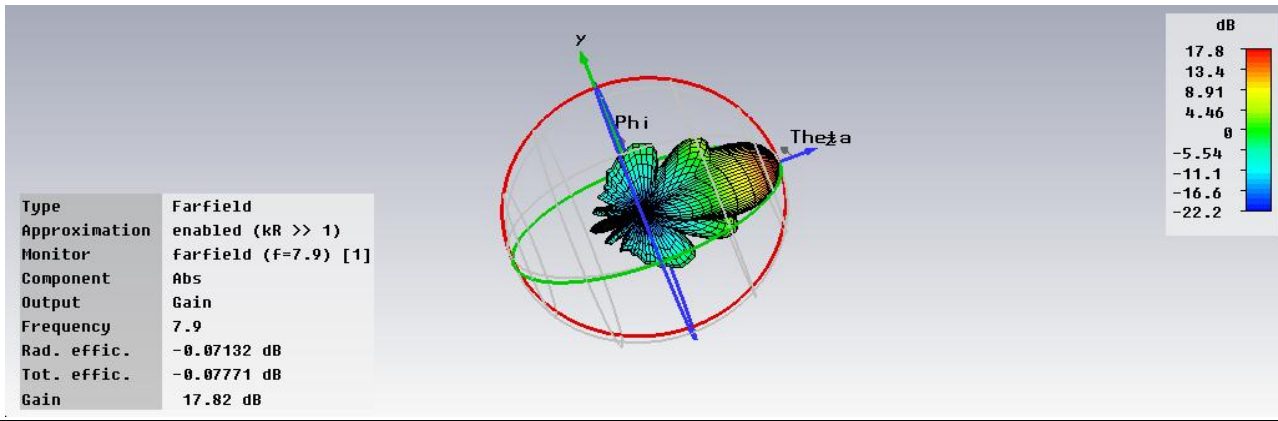
Type	Farfield
Approximation	enabled ($KR \gg 1$)
Monitor	farfield (f=7.5) [1]
Component	Abs
Output	Gain
Frequency	7.5
Rad. effic.	-0.05017 dB
Tot. effic.	-0.08907 dB
Gain	17.36 dB



7.7GHz



7.9GHz



8.17GHz

