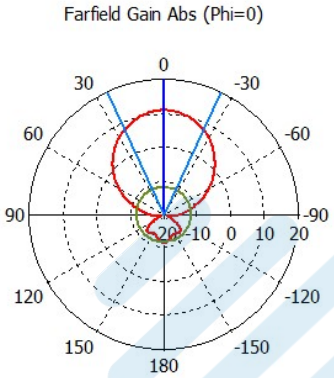
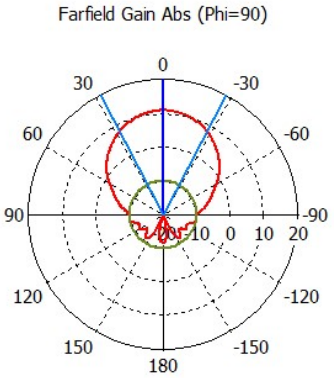
WR34(BJ260) 10dBi Gain Horn Antenna

21.7GHz



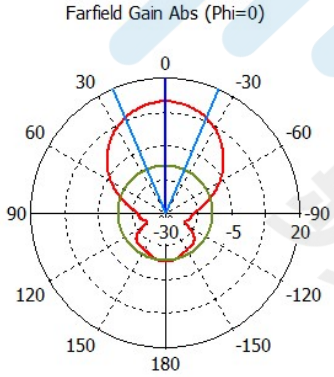
Frequency = 21.7
Main lobe magnitude = 10.9 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 49.4 deg.
Side lobe level = -22.6 dB



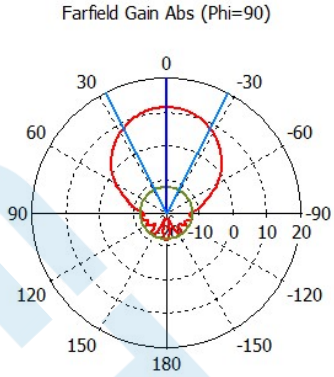
farfield (f=21.7) [1]

Frequency = 21.7
Main lobe magnitude = 10.9 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 55.4 deg.
Side lobe level = -20.9 dB

23GHz



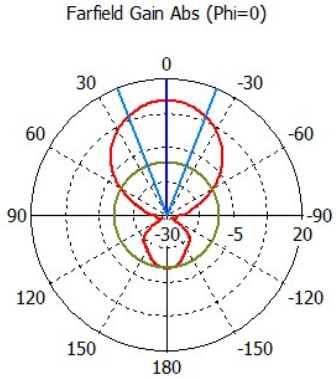
Frequency = 23
Main lobe magnitude = 11.4 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 46.5 deg.
Side lobe level = -23.4 dB



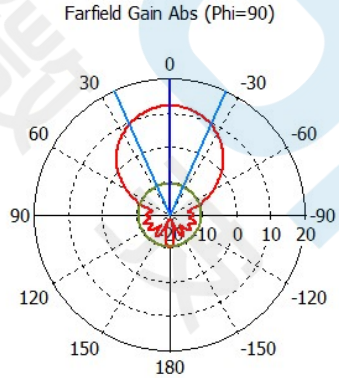
farfield (f=23) [1]

Frequency = 23
Main lobe magnitude = 11.4 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 53.9 deg.
Side lobe level = -23.4 dB

25GHz



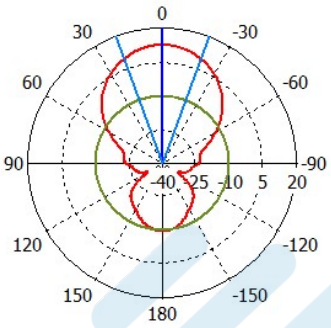
Frequency = 25
Main lobe magnitude = 12.2 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 42.4 deg.
Side lobe level = -22.7 dB



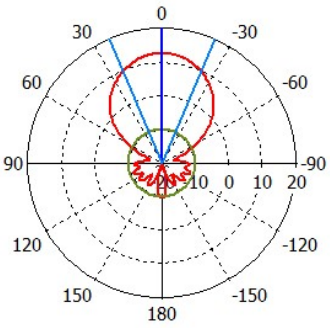
farfield (f=25) [1]

Frequency = 25
Main lobe magnitude = 12.2 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 49.0 deg.
Side lobe level = -22.7 dB

26GHz



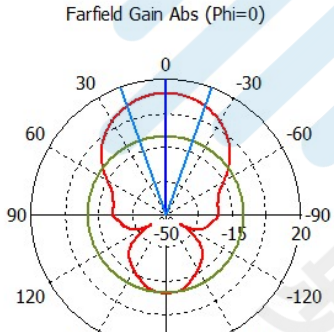
Frequency = 26
Main lobe magnitude = 12.6 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 40.6 deg.
Side lobe level = -22.3 dB



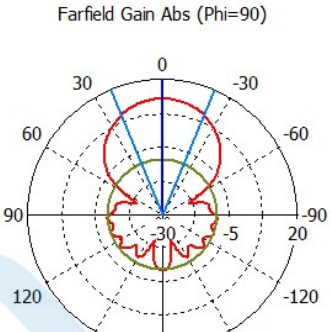
farfield (f=26) [1]

Frequency = 26
Main lobe magnitude = 12.6 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 46.8 deg.
Side lobe level = -22.3 dB

27GHz



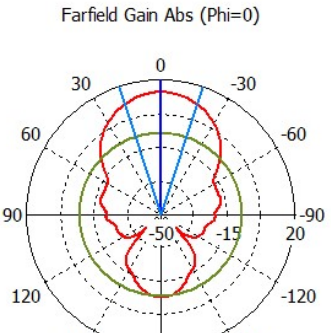
Frequency = 27
Main lobe magnitude = 13.0 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 39.5 deg.
Side lobe level = -22.2 dB



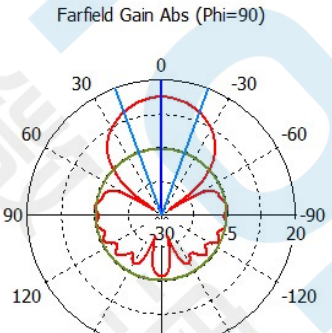
farfield (f=27) [1]

Frequency = 27
Main lobe magnitude = 13.0 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 45.5 deg.
Side lobe level = -22.2 dB

29GHz



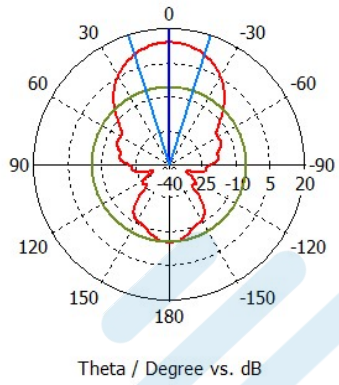
Frequency = 29
Main lobe magnitude = 13.8 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 36.0 deg.
Side lobe level = -20.9 dB



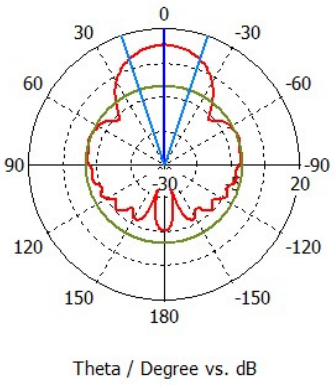
farfield (f=29) [1]

Frequency = 29
Main lobe magnitude = 13.8 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 40.3 deg.
Side lobe level = -19.0 dB

31GHz



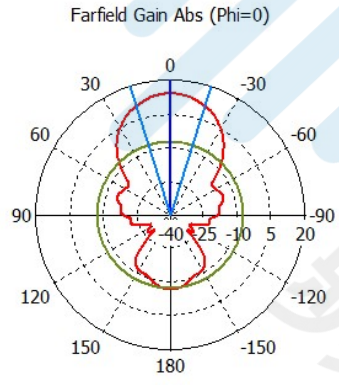
Frequency = 31
Main lobe magnitude = 14.1 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 35.4 deg.
Side lobe level = -19.8 dB



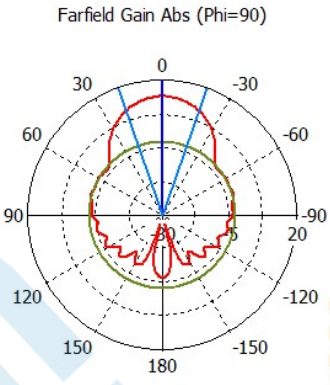
farfield (f=31) [1]

Frequency = 31
Main lobe magnitude = 14.1 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 36.7 deg.
Side lobe level = -14.7 dB

32GHz



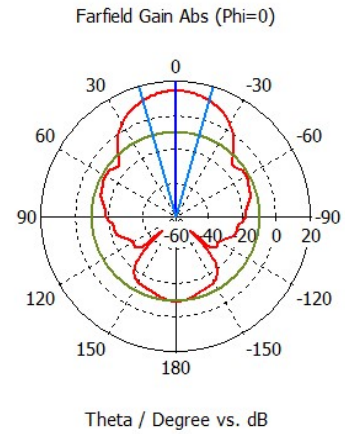
Frequency = 32
Main lobe magnitude = 14.1 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 34.6 deg.
Side lobe level = -21.0 dB



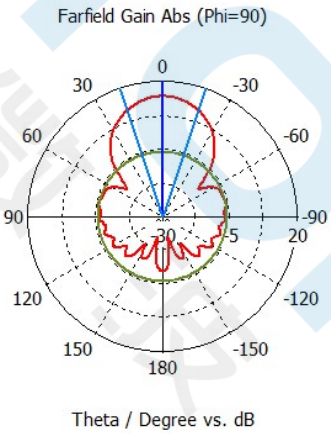
farfield (f=32) [1]

Frequency = 32
Main lobe magnitude = 14.1 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 38.4 deg.
Side lobe level = -16.6 dB

33GHz



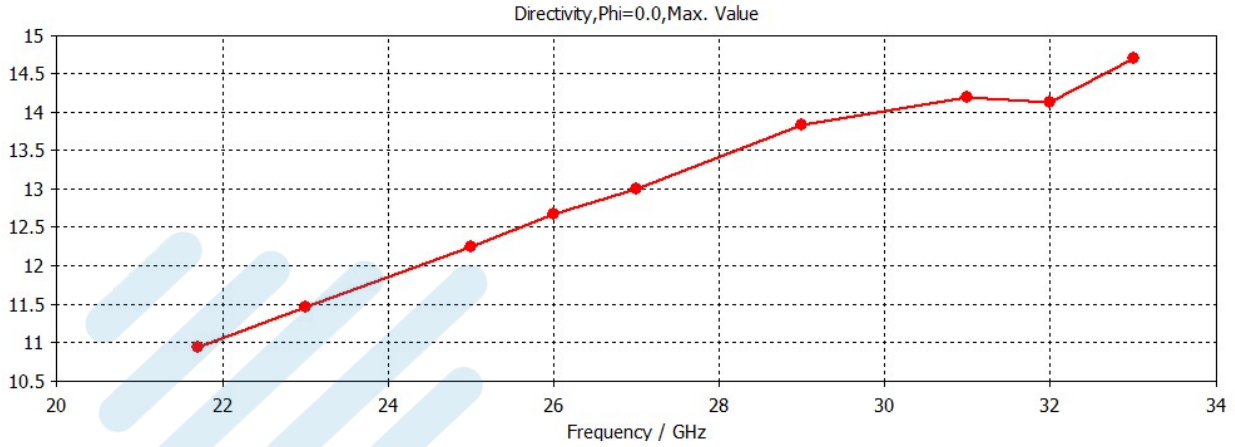
Frequency = 33
Main lobe magnitude = 14.7 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 32.3 deg.
Side lobe level = -24.4 dB



farfield (f=33.) [1]

Frequency = 33
Main lobe magnitude = 14.7 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 37.3 deg.
Side lobe level = -20.4 dB

Frequency vs Gain



Frequency	Gain dBi	Frequency	Gain dBi
21.7GHz	10.9	29GHz	13.8
23GHz	11.4	31GHz	14.1
25GHz	12.2	32GHz	14.1
26GHz	12.6	33GHz	14.7
27GHz	13		