

Directional Sector Antenna

for 3.3~3.8GHz

Version 1

UH-821

Electrical Specification:

Frequency	3.3~3.8GHz
Part Number	UH-821
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	15~21 dBi
Power handling	20W Max
Front to back ratio	30dB
HPBW / horizontal	60°~120°
HPBW / vertical	10°

MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	865 x 265 x 65mm
Weight	5.05Kg
Radome color	Gray-white
Radome material	ABS

Directional Sector Antenna

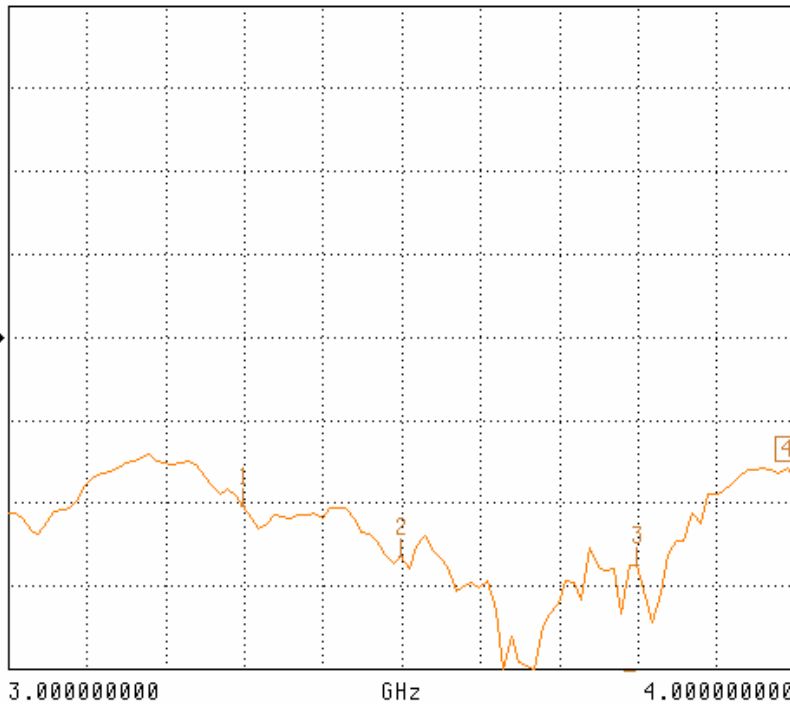
for 3.3~3.8GHz

Version 1

UH-821

S11 FORWARD REFLECTION

LOG MAGNITUDE REF=0.000 dB 10.000 dB/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

▶ MARKER 4
4.000000000 GHz
-17.161 dB

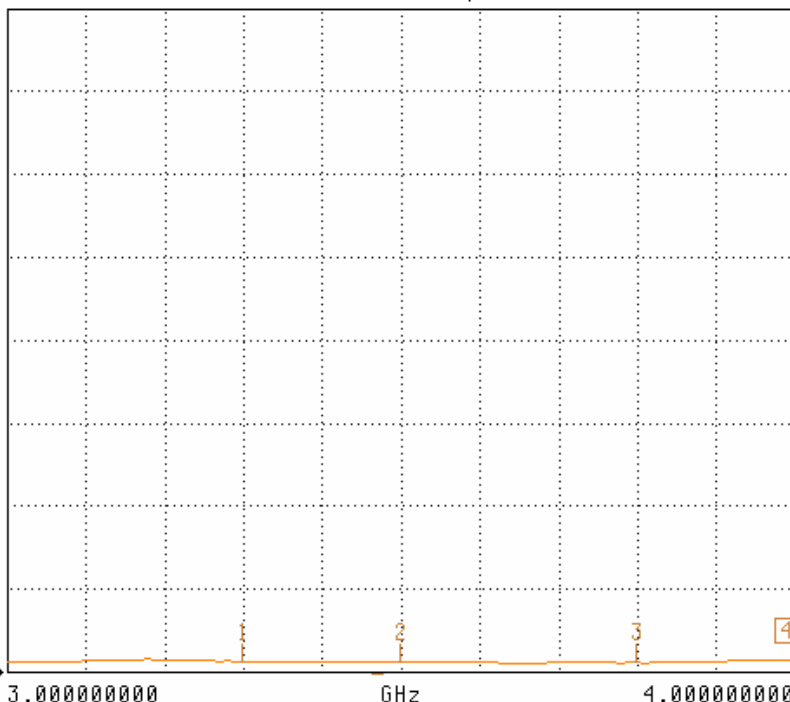
MARKER TO MAX
MARKER TO MIN

- | | | |
|---|-----------------|------------|
| 1 | 3.300000000 GHz | -20.508 dB |
| 2 | 3.500000000 GHz | -26.527 dB |
| 3 | 3.800000000 GHz | -27.466 dB |

MARKER READOUT
FUNCTIONS

S11 FORWARD REFLECTION

SWR REF=0.000 pU 10.000 U/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

▶ MARKER 4
4.000000000 GHz
1.325 U

MARKER TO MAX
MARKER TO MIN

- | | | |
|---|-----------------|---------|
| 1 | 3.300000000 GHz | 1.220 U |
| 2 | 3.500000000 GHz | 1.085 U |
| 3 | 3.800000000 GHz | 1.075 U |

MARKER READOUT
FUNCTIONS

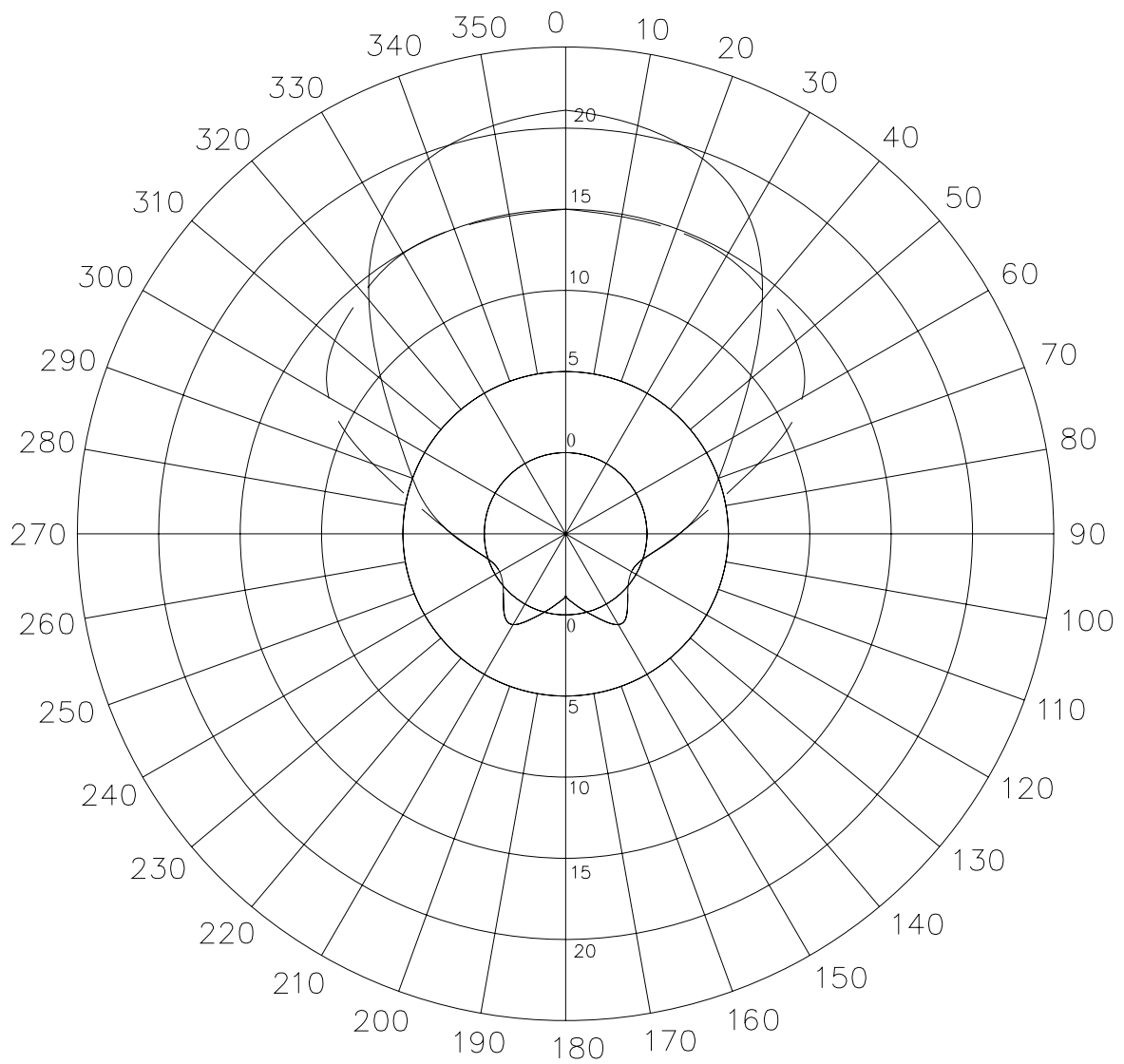
Directional Sector Antenna

for 3.3~3.8GHz

Version 1

UH-821

H-PLANE FIELD PATTERNS



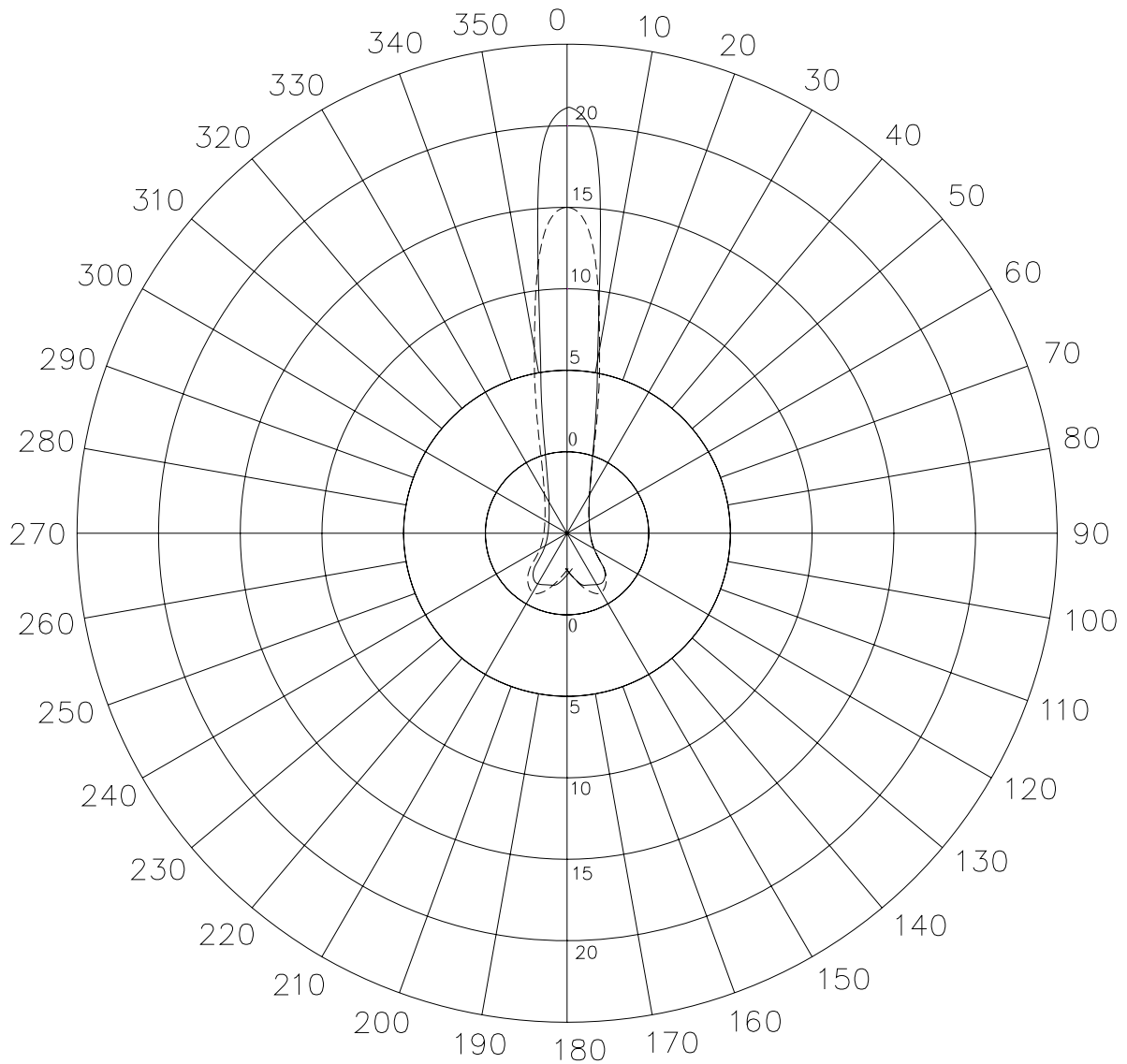
Directional Sector Antenna

for 3.3~3.8GHz

Version 1

UH-821

E-PLANE FIELD PATTERNS



Directional Sector Antenna

for 3.3~3.8GHz

Version 1

UH-821

