



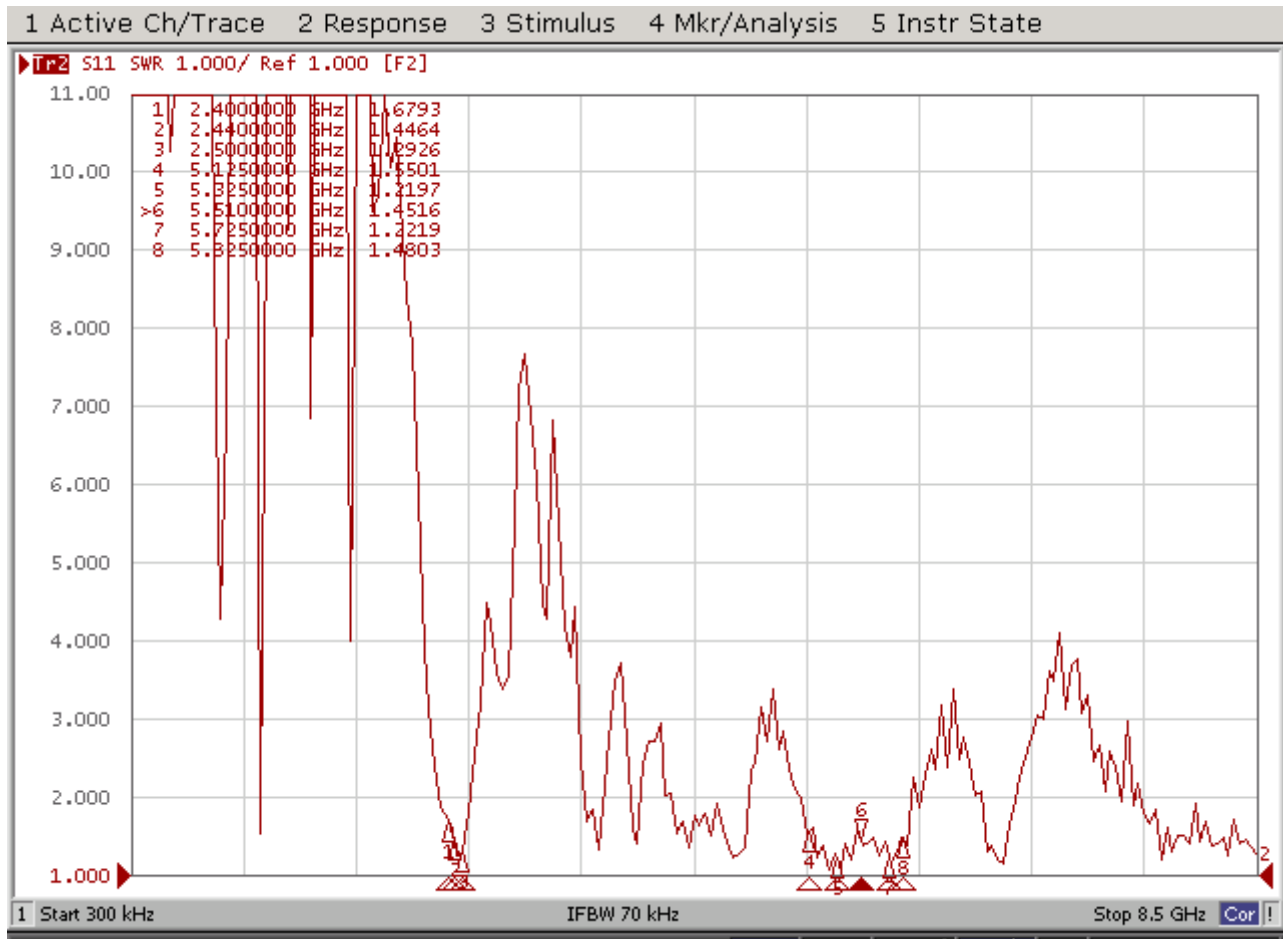
Applications:

- 5.125G~5.875GHz-2.4~2.5 GHz ISM Band
- IEEE 802.11a 802.11b, 802.11g, 802.11n Wireless LAN
- Directional and multipoint applications
- Bluetooth
- Public Wireless Hotspot
- Wi-Fi, RFID
- Wireless Video Systems

Electrical Specifications	
Frequency Band	5.125~5.875GHz – 2.4~2.5GHz
Gain	5G:8.0 dBi 2.4G:6.0dBi
Impedance	50 Ohm
Polarization	Vertical
Max Power Handling	100W
Center frequency VSWR	≤ 1.5
Vertical Beam width	23°
Horizontal Beam width	360°

Mechanical Specifications	
Connector	1 x N Type Female
Connector Location	Bottom
Dimensions (L*W*D):	Length 282mm, Diameter 22.5mm
Antenna Weight	120g
Internal Material	PCB
Radome Material	White Fiberglass
Application	Indoor / Outdoor
Storage Temperature	-40 to +80
Operating Temperature	-40 to +80
RoHS	Yes

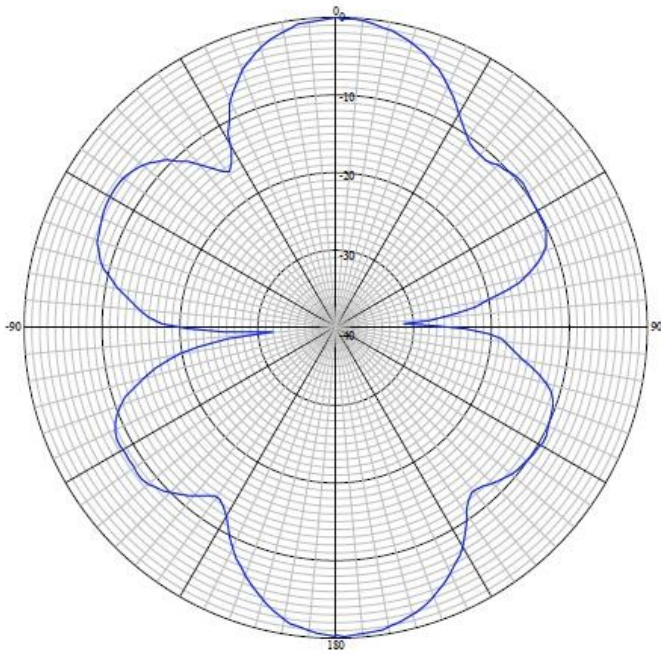
VSWR



Antenna Pattern

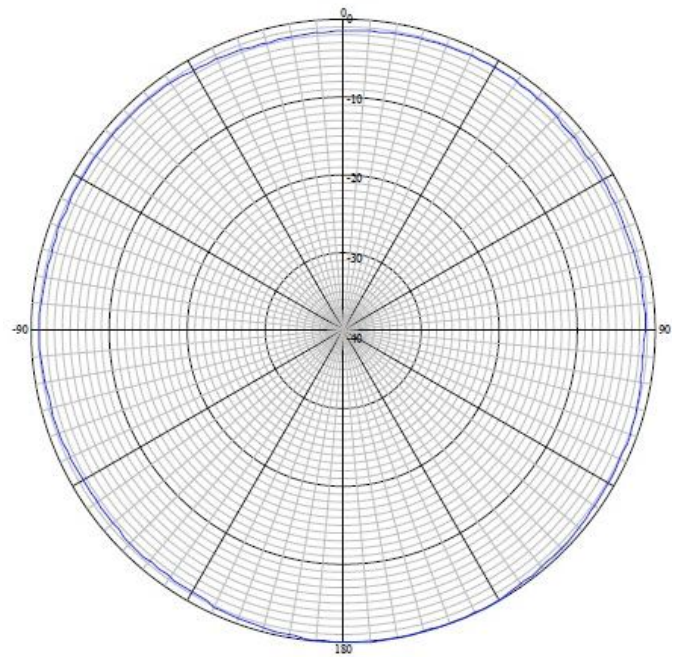
Vertical

E-Plane



Horizontal

H-Plane



Antenna Gain Curve

H-Plane

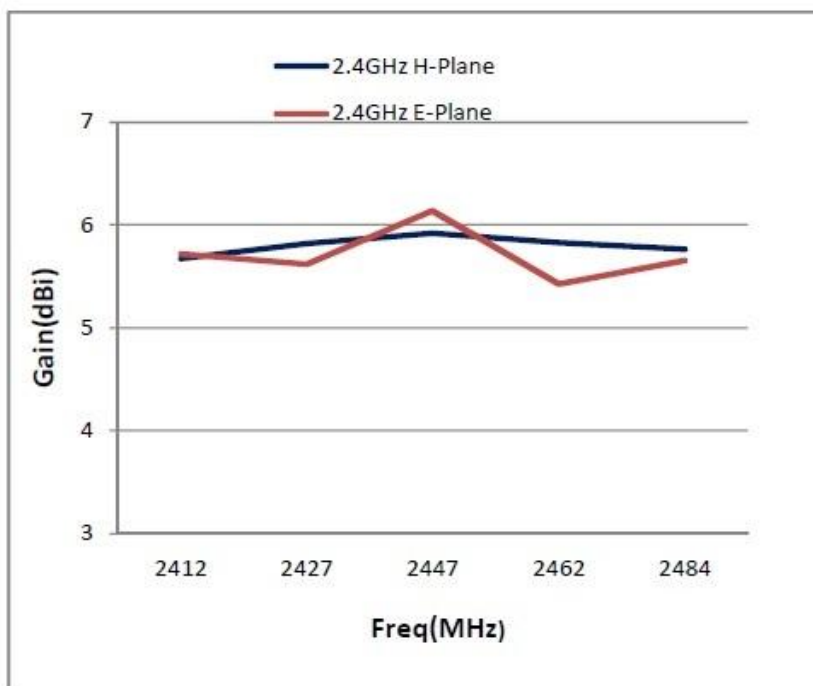
MHz	dBi
2400	5.82
2450	5.92
2500	5.83

Average 5.85

E-Plane

MHz	dBi
2400	5.62
2450	6.14
2500	5.43

Average 5.73



H-Plane

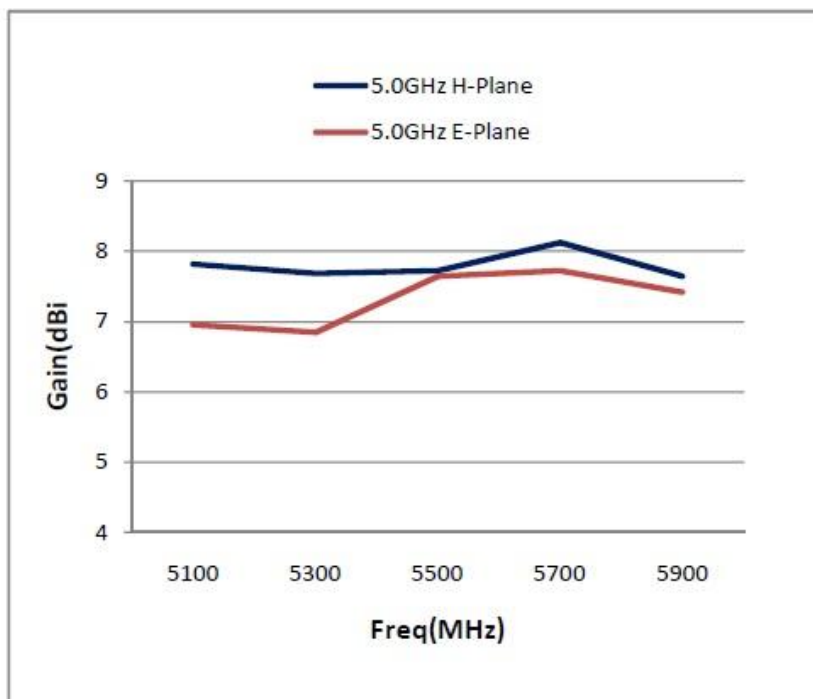
MHz	dBi
5100	7.82
5300	7.68
5500	7.72
5700	8.13
5900	7.65

Average 7.8

E-Plane

MHz	dBi
5100	6.95
5300	6.85
5500	7.65
5700	7.73
5900	7.42

Average 7.32



Antenna -3dB Beam-width Curve

H-Plane

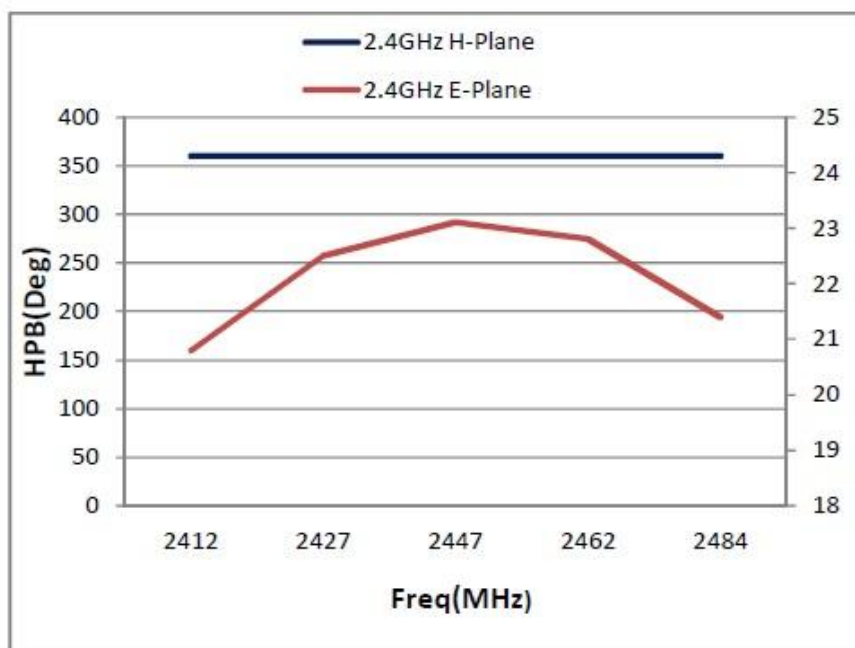
MHz	HPB(Deg)
2400	360
2450	360
2500	360

Average 360

E-Plane

MHz	HPB(Deg)
2400	22.5
2450	23.1
2500	22.8

Average 22.8



H-Plane

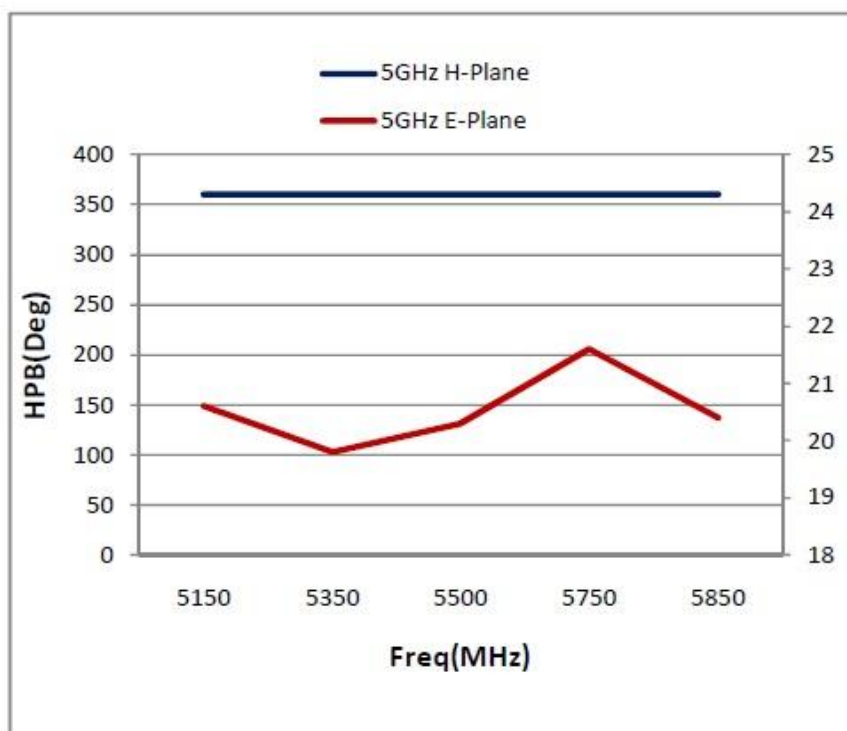
MHz	HPB(Deg)
5100	360
5300	360
5500	360
5700	360
5900	360

Average 360

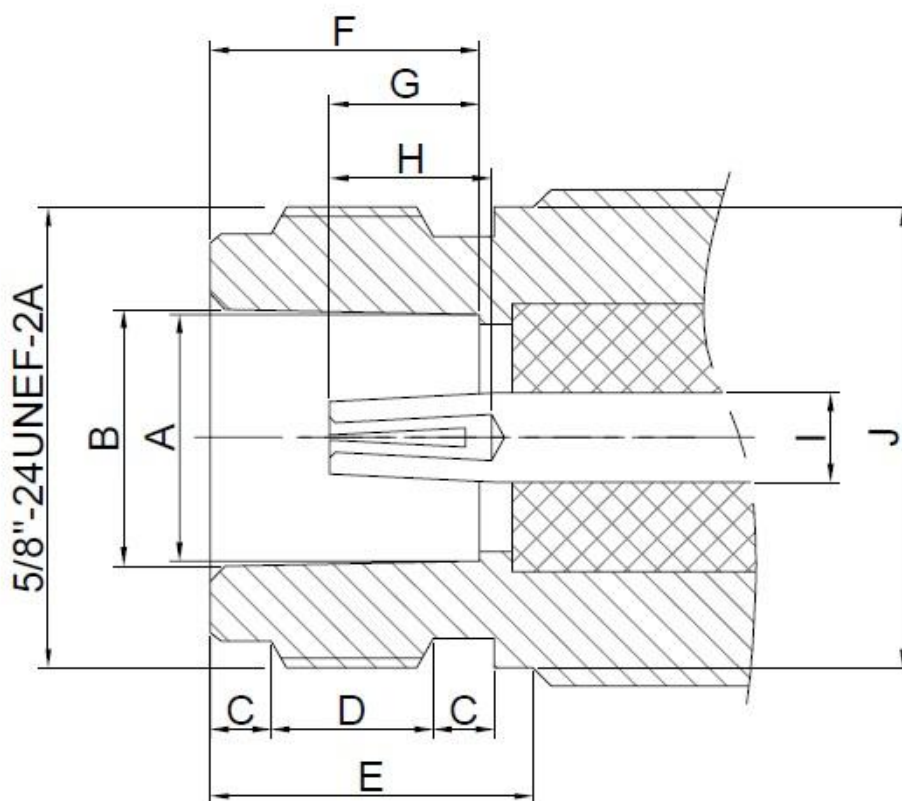
E-Plane

MHz	HPB(Deg)
5100	20.6
5300	19.8
5500	20.3
5700	21.6
5900	20.4

Average 20.54

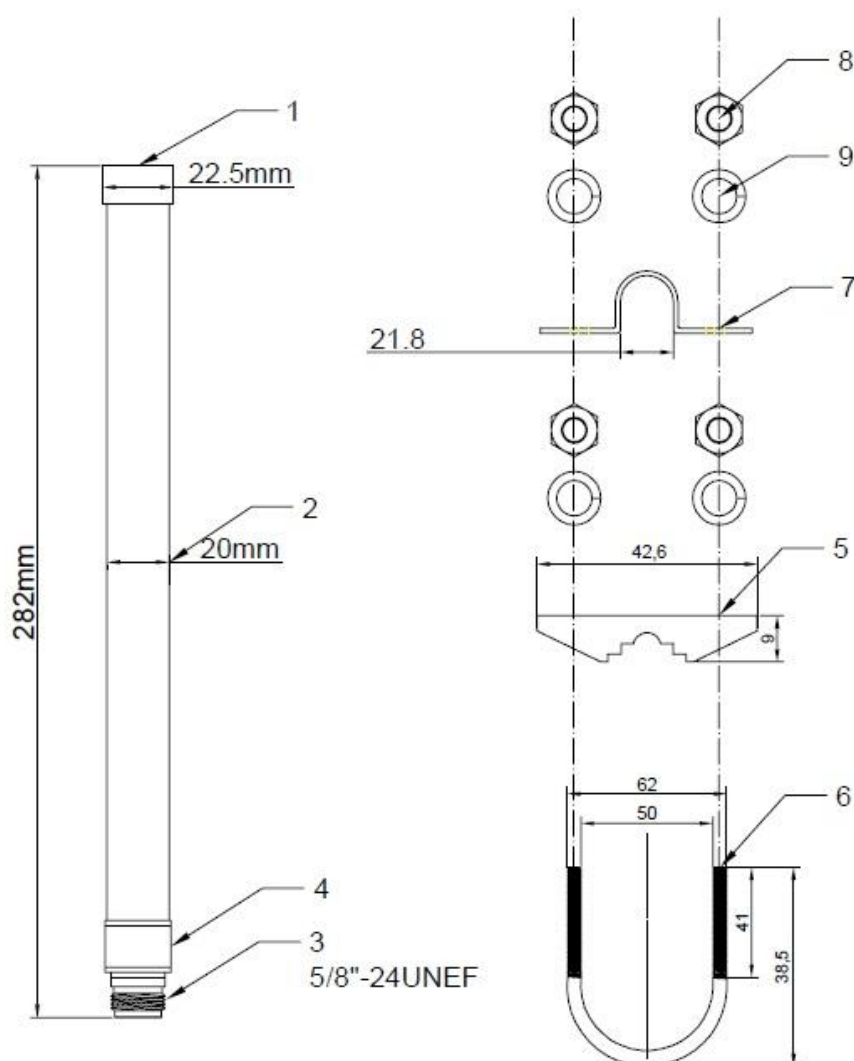


Connector Drawing



	mm		inch	
	min.	max.	min.	max.
A	8.03	8.13	0.316	0.320
B	8.53	8.74	0.335	0.344
C	1.19	1.96	0.047	0.077
D	4.37	5.13	0.172	0.202
E	10.72	—	0.422	—
F	9.04	9.19	0.356	0.362
G	4.75	5.26	0.187	0.207
H	5.33	—	0.210	—
I	3.00	3.15	0.118	0.124
J	—	15.93	—	0.627

Antenna Installation Guide



NO	Name	Material	Qty	NO	Name	Material	Qty
1	Cover	Copper	1	6	U-bolt	Stainless	1
2	Radome Material	Fiberglass	1	7	u-bolt	Stainless	1
3	Connector	N Female	1	8	M6 Nuts 1/4"-20-UNC	Zinc Plated	4
4	Ferrule	Copper	1	9	M6 SP Washers	Zinc Plated	4
5	Mounting kit	Stainless	1				

Mounting Kits Guide

