

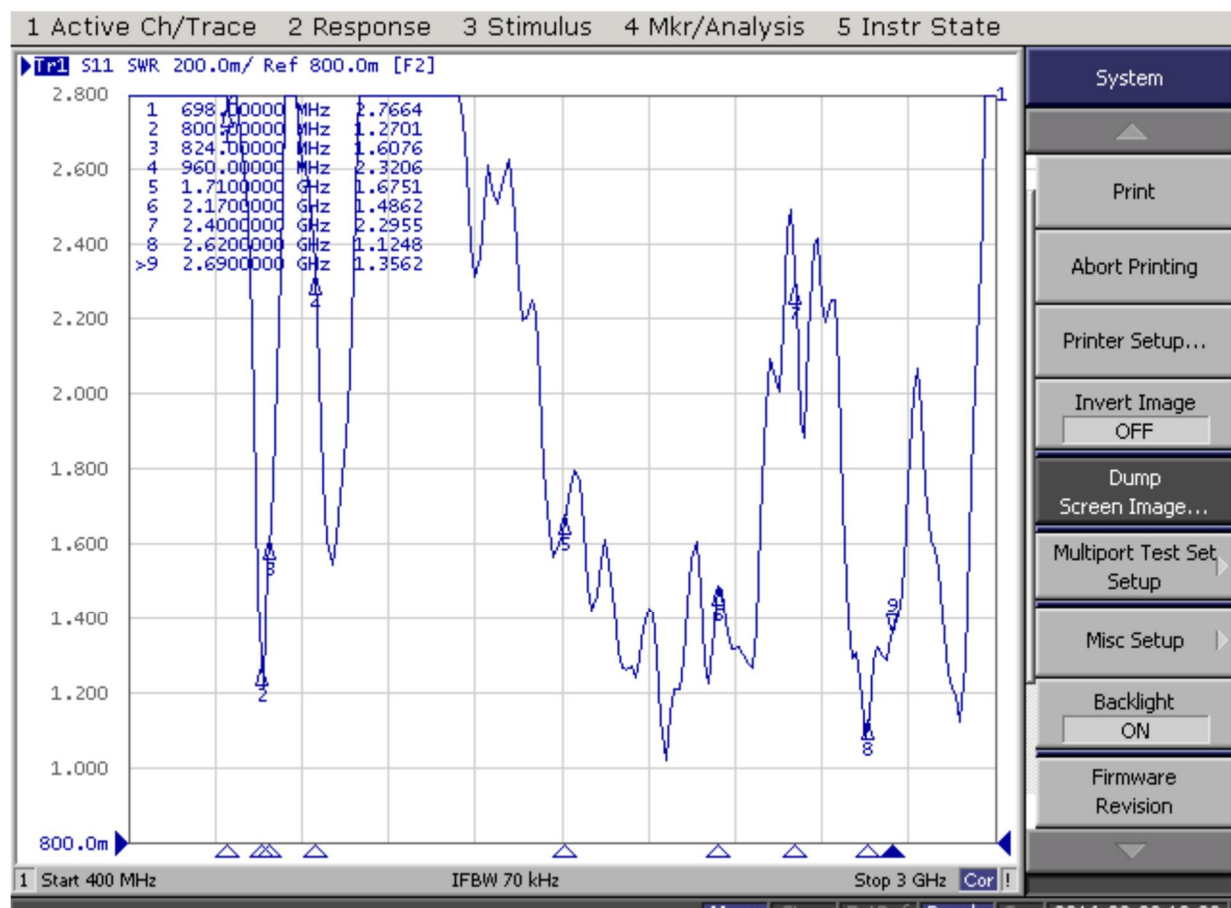


Applications:

- 698~960MHz-1.71~2.7 GHz ISM Band
- LTE700 / Cellular / PCS / AWS / MDS and global
- GSM900 / GSM1800 / UMTS / LTE2600 bands
- Directional and multipoint applications
- Public Wireless Hotspot
- Wi-Fi, RFID
- Wireless Video Systems

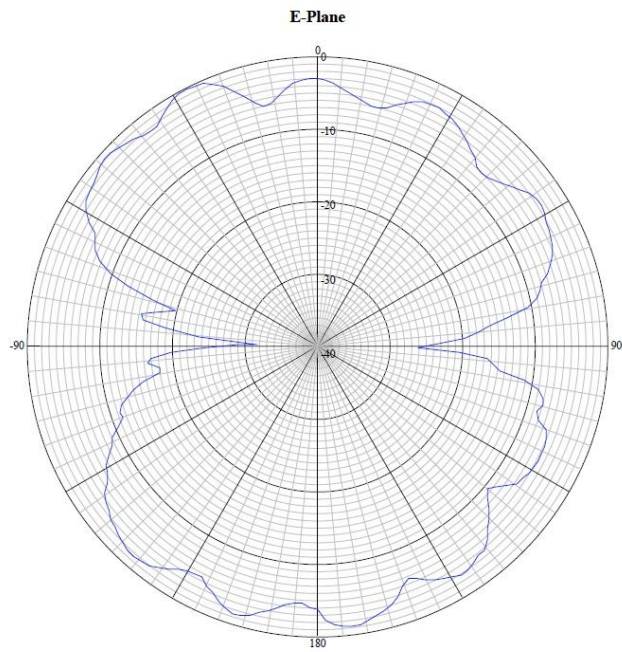
Electrical	
Frequency Band	698~960MHz-1.71~2.7 GHz ISM Band
Gain	698~960MHz 2.5dBi 1.71~2.7 GHz :6.5dBi
Impedance	50 Ohm
Polarization	Vertical
Max Power Handling	100W
VSWR	≤ 3.0
Vertical Beam width	50°
Horizontal Beam width	360°
Mechanical	
Connector	SMA Type Male
Connector Location	Bottom
Dimensions (L*W*D):	Length 270mm, Diameter 22.5mm
Antenna Weight	120g
Radome Material	White Fiberglass
Application	Indoor / Outdoor
ENVIRONMENTAL	
Storage Temperature	-40 to +70
Operating Temperature	-40 to +70
RoHS	Yes

Return Loss

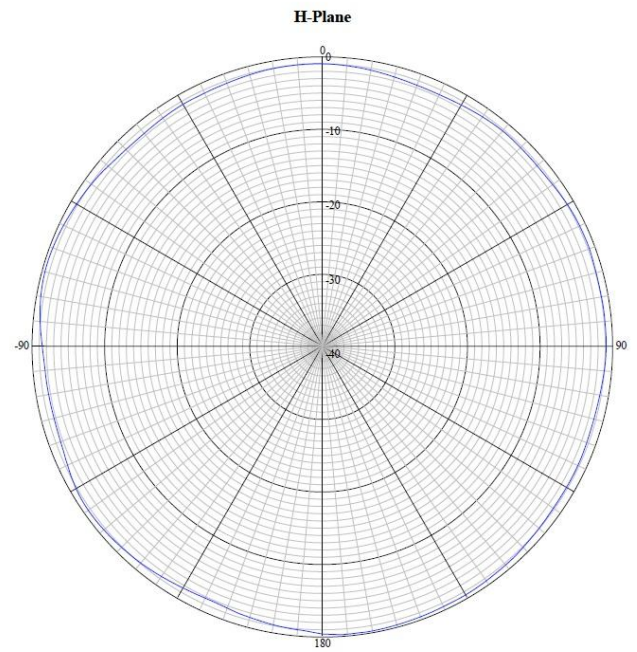


Antenna Pattern

Vertical



Horizontal



Antenna Gain Curve

H-Plane

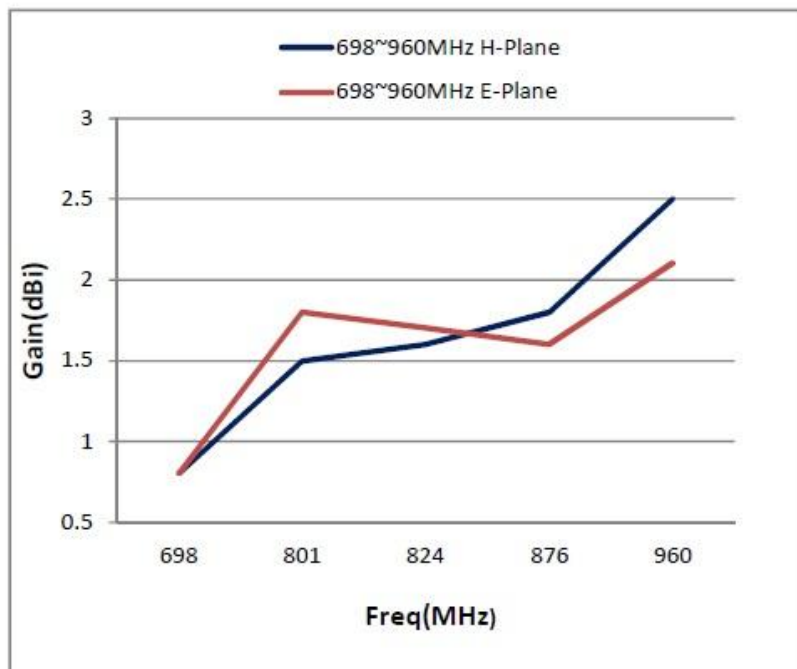
MHz	dBi
698	0.8
800	1.5
960	2.5

Average 1.6

E-Plane

MHz	dBi
698	0.8
800	1.8
960	2.1

Average 1.57



H-Plane

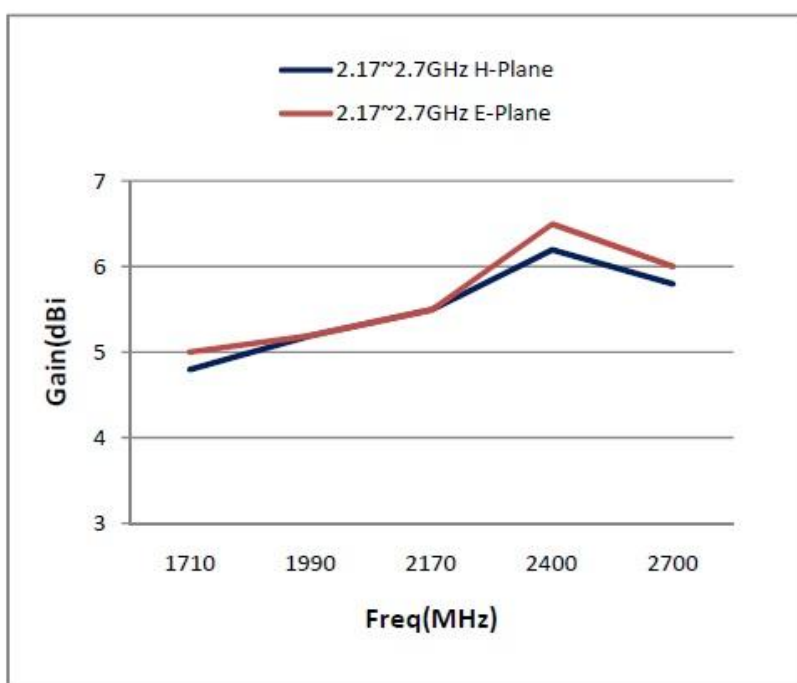
MHz	dBi
1710	4.8
2170	5.5
2400	6.2
2700	5.8

Average 5.58

E-Plane

MHz	dBi
1710	5
2170	5.5
2400	6.5
2700	6

Average 5.75



Antenna -3dB Beam-width Curve

H-Plane

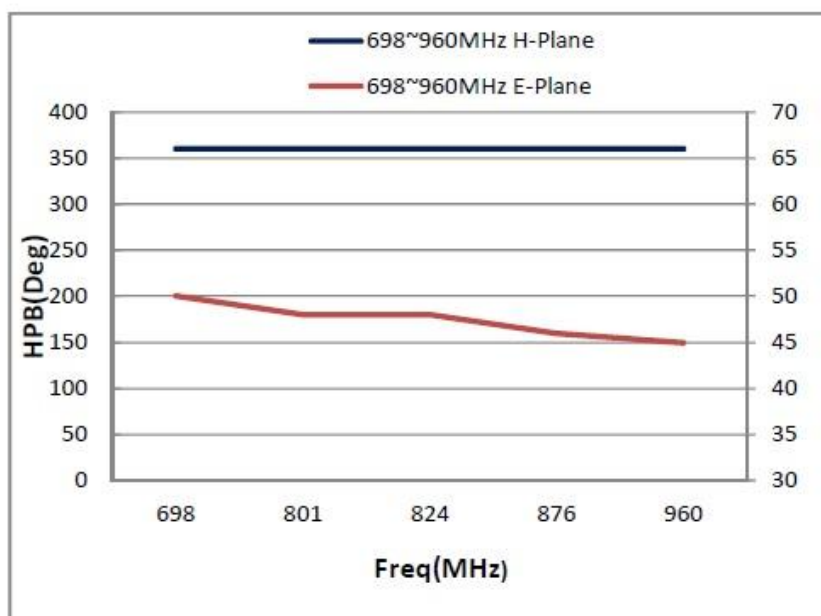
MHz	HPB(Deg)
698	360
800	360
960	360

Average 360

E-Plane

MHz	HPB(Deg)
698	50
800	48
960	45

Average 47.7



H-Plane

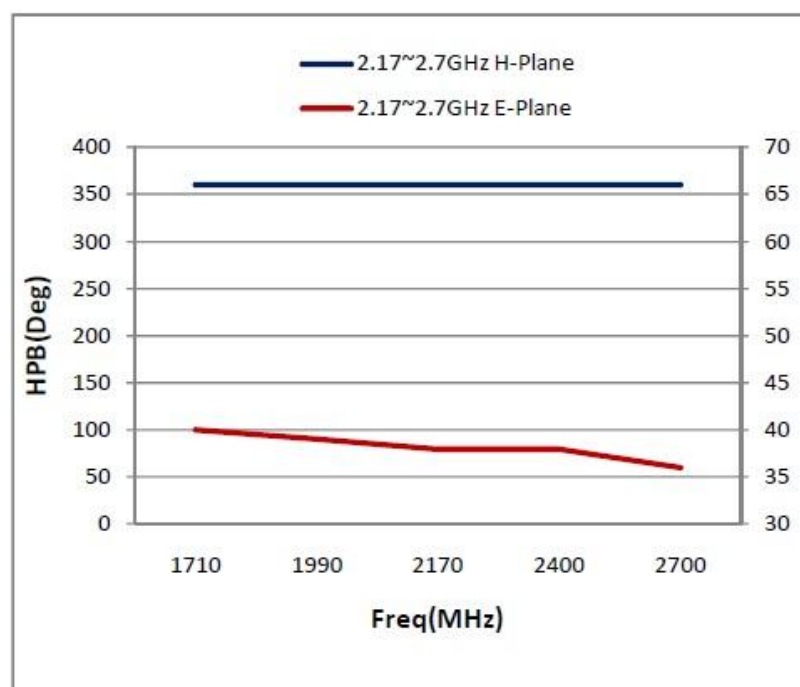
MHz	HPB(Deg)
1710	360
2170	360
2400	360
2700	360

Average 360

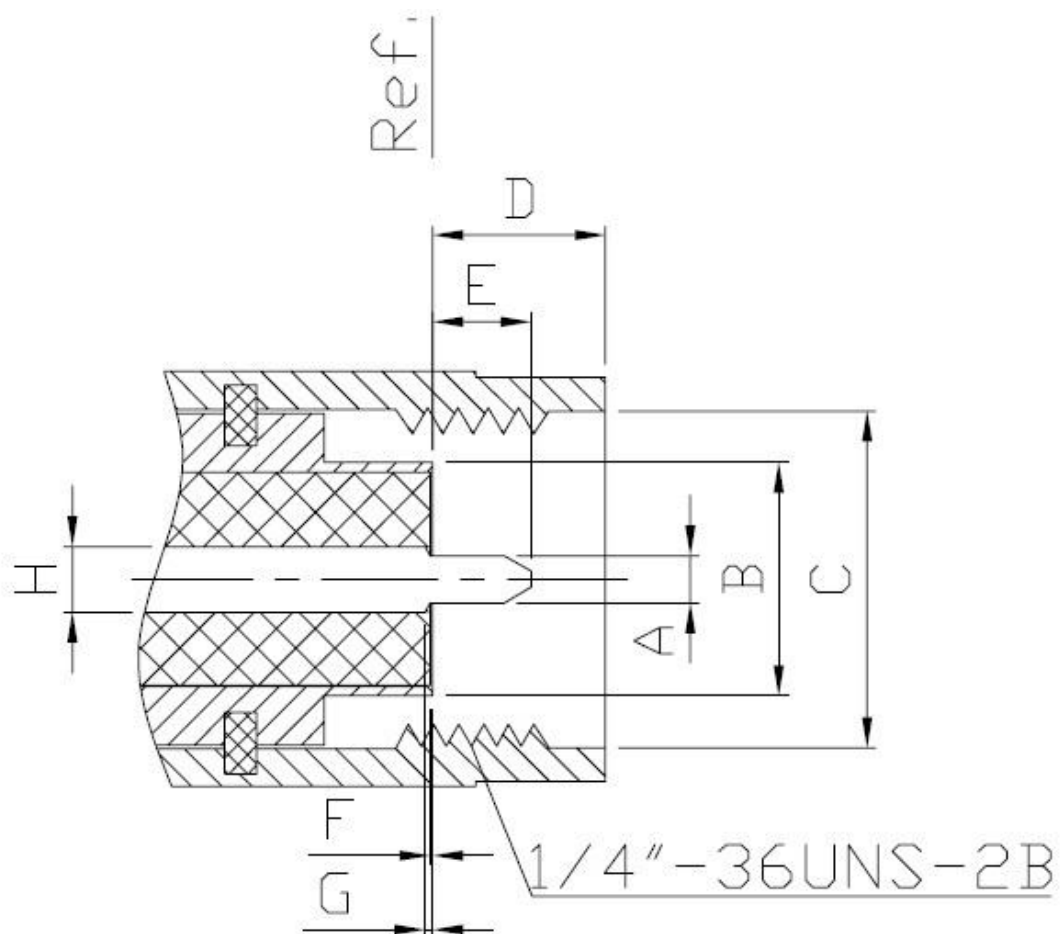
E-Plane

MHz	HPB(Deg)
1710	40
2170	38
2400	38
2700	36

Average 38

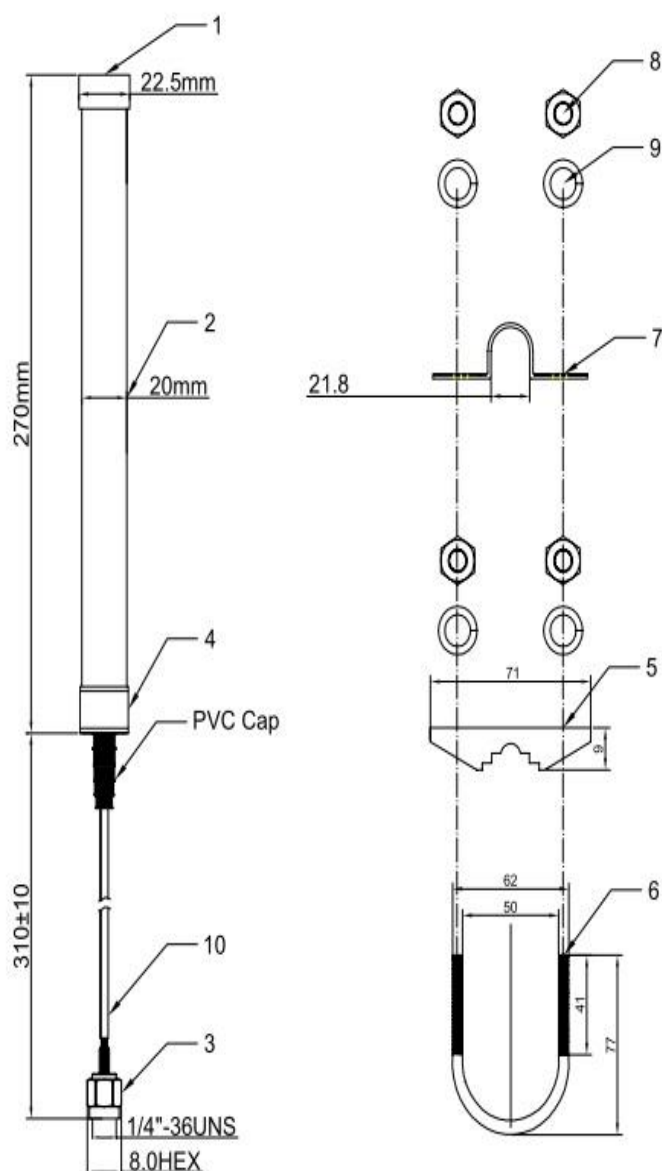


Connector Drawing



	mm		inch	
	min.	max.	min.	max.
A	0.90	0.94	0.035	0.037
B	–	4.59	–	0.181
C	6.35	–	0.250	–
D	–	3.43	–	0.135
E	–	2.54	–	0.100
F	0.00	0.25	0.00	0.010
G	0.00	0.25	0.00	0.010
H	1.24	1.30	0.049	0.051

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	Ω-bolt	Stainless	1
3	Connector	SMA MALE	1	8	M6 Nuts 1/4"	Zinc Plated	4
4	Ferrule	Copper	1	9	M6 SP Washers	Zinc Plated	4
5	Mounting kit	Stainless	1	10	Cable	RG174	1

Mounting Kits Guide

