

Passive GPS Rod Antenna



PRODUCTS

Model	Part No.	Weight	Dimensions (L x W x H)	Connector	Color
AEGW001	M02-0300150R0A	16.3g	Φ13*200mm	SMA Male	Black
AEGW004	M02-0300300R0A	16.3g	Φ13*200mm	RP-SMA Male	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	1550-1605
VSWR (Max)	3.0:1
Peak Gain, dBi (Typ)	Up to 3.45
Peak Efficiency,%	60.57
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear, Omnidirectional
Radome	ABS, Black
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHS Compliant

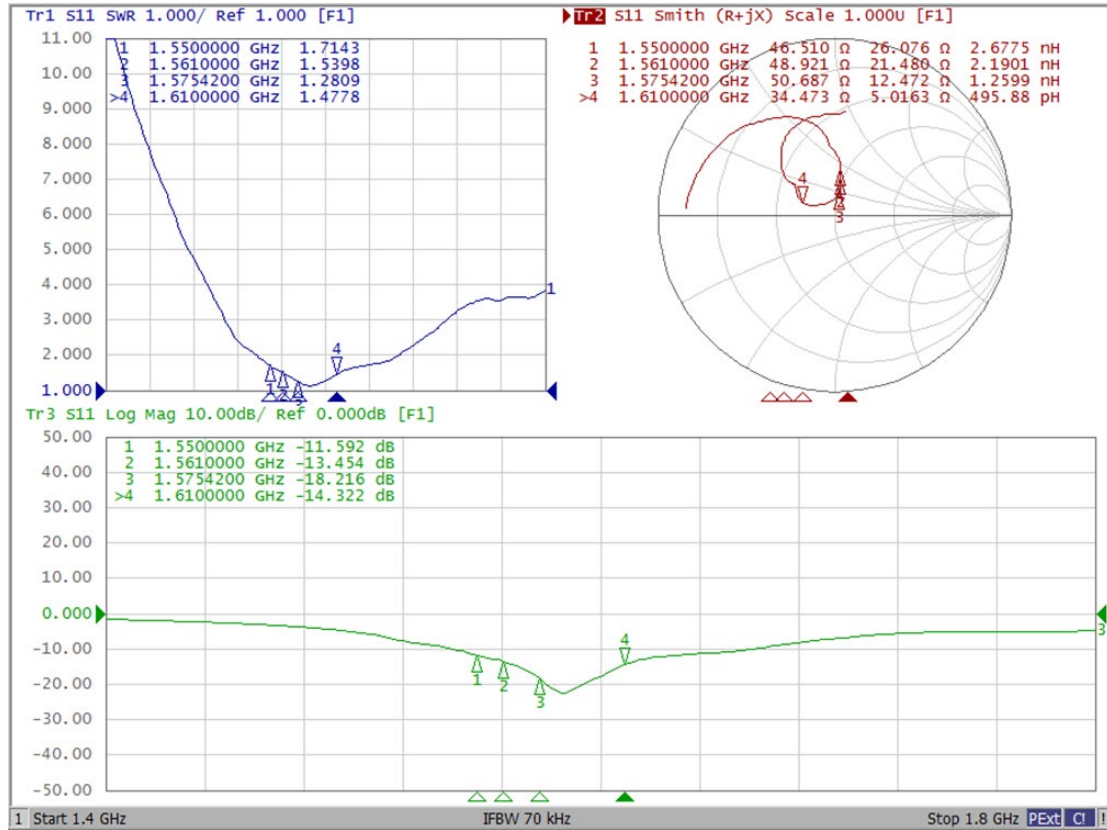
MyAntenna RF Technology Co., Ltd

ADD: No.RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

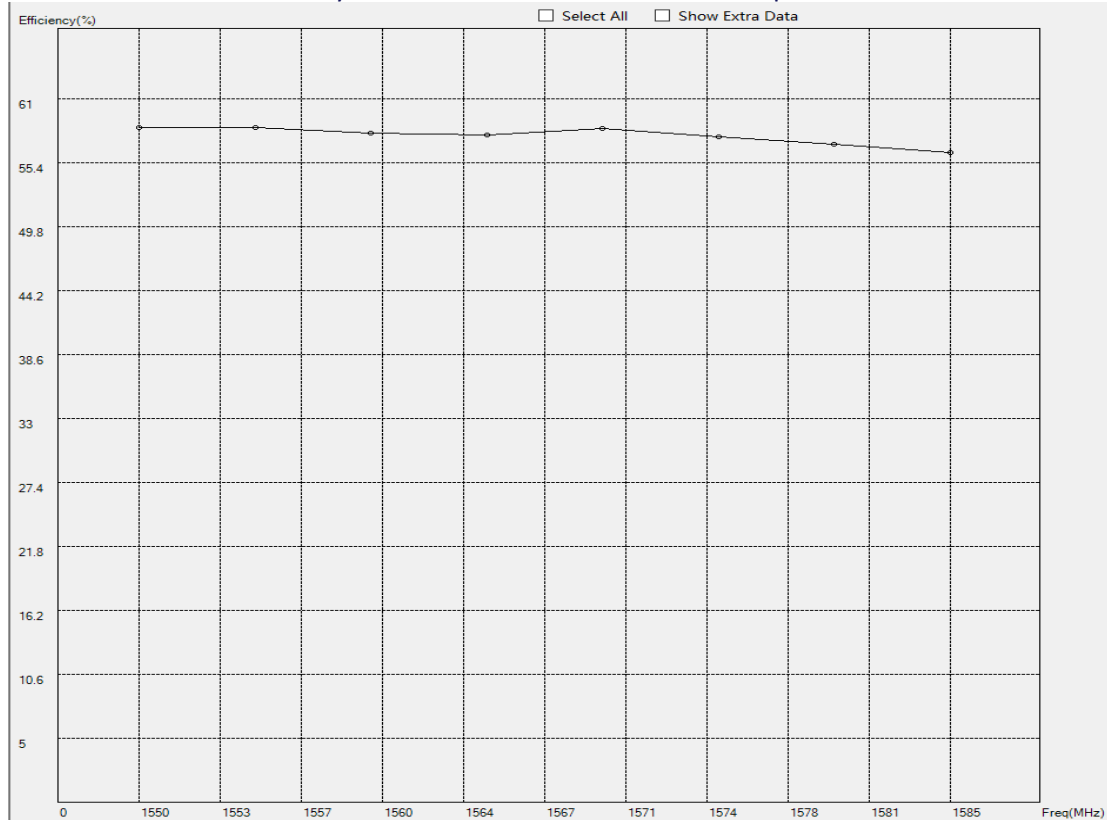
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL DATA

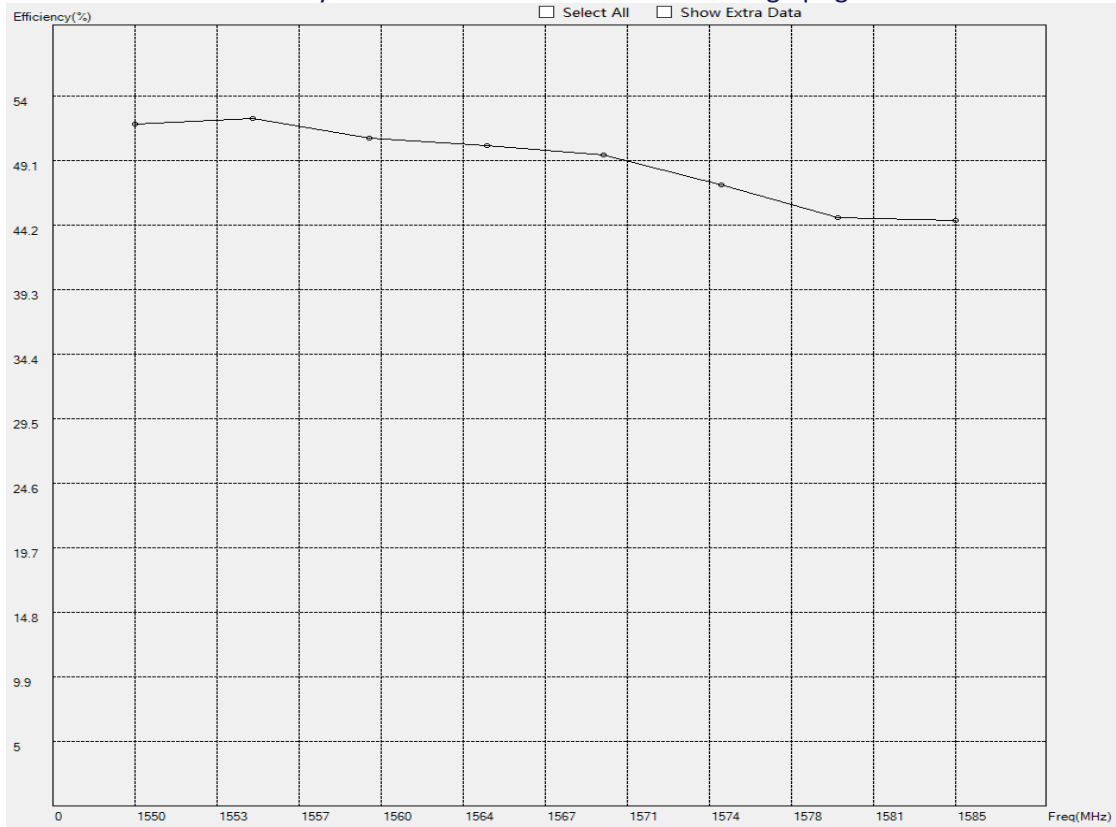
Return Loss



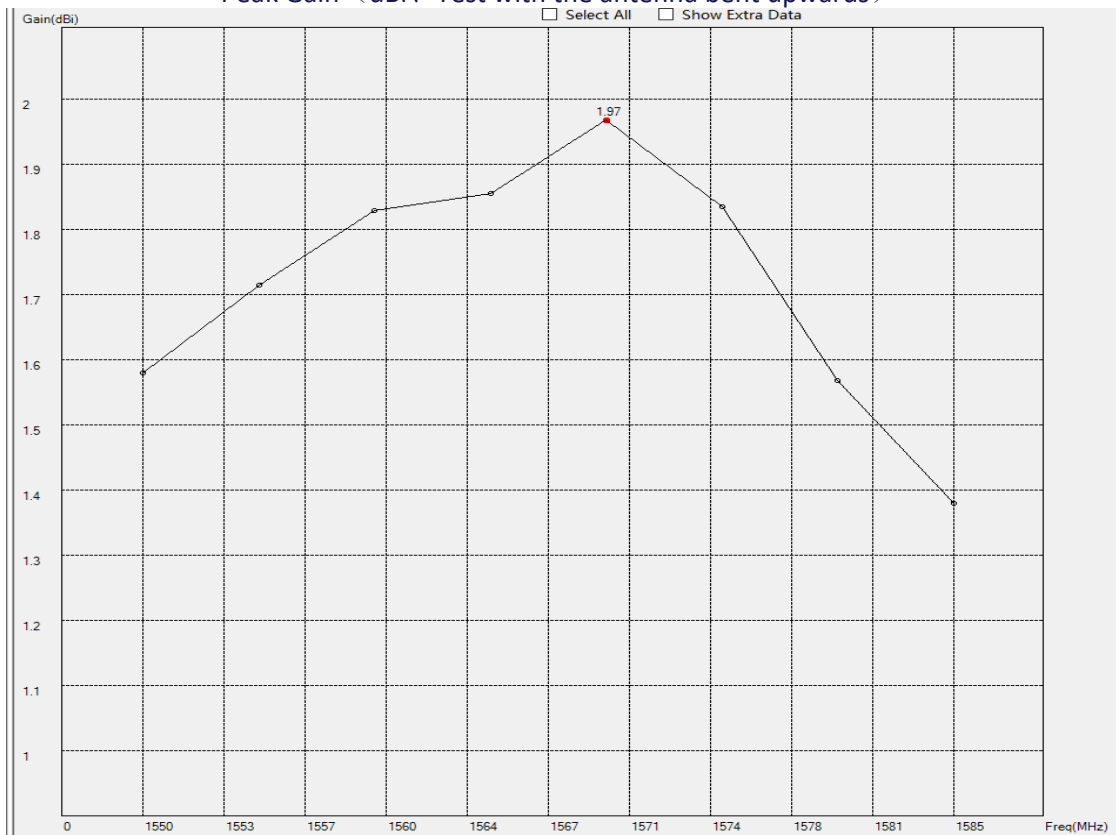
Efficiency (%、Test with the antenna bent upwards)



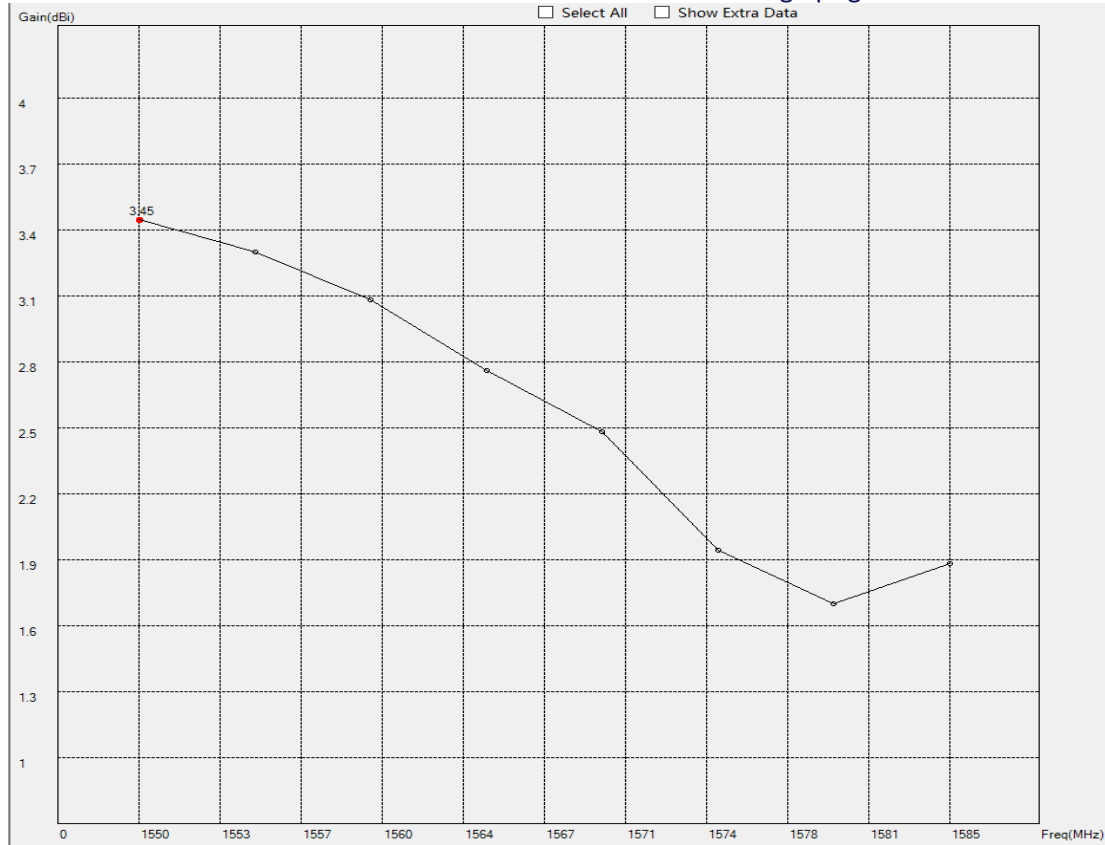
Efficiency (%, Test with the antenna standing upright)



Peak Gain (dBi, Test with the antenna bent upwards)



Peak Gain (dBi, Test with the antenna standing upright)



Test with the antenna bent upwards

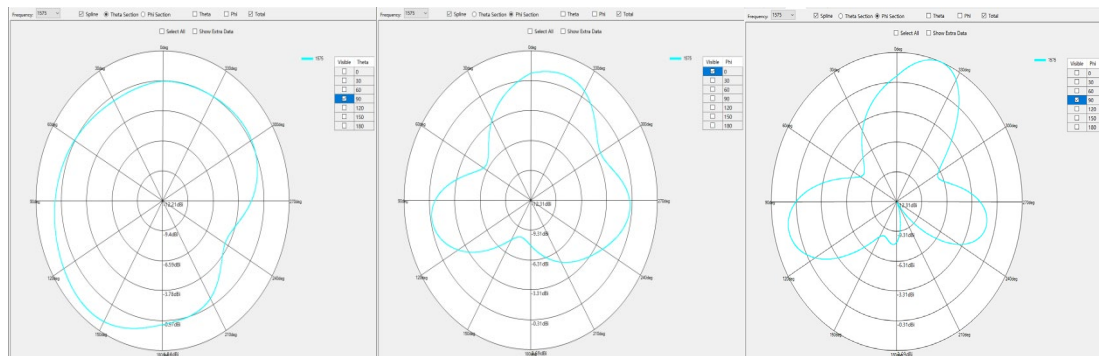
Freq (MHz)	Gain(dBi)	Efficiency(%)
1550	1.58	58.46
1555	1.71	58.46
1560	1.83	57.99
1565	1.86	57.86
1570	1.97	58.44
1575	1.84	57.67
1580	1.57	57
1585	1.38	56.27
1590	1.21	55.85
1595	1.42	57.12
1600	1.92	60.57
1605	1.95	58.84

Test with the antenna standing upright

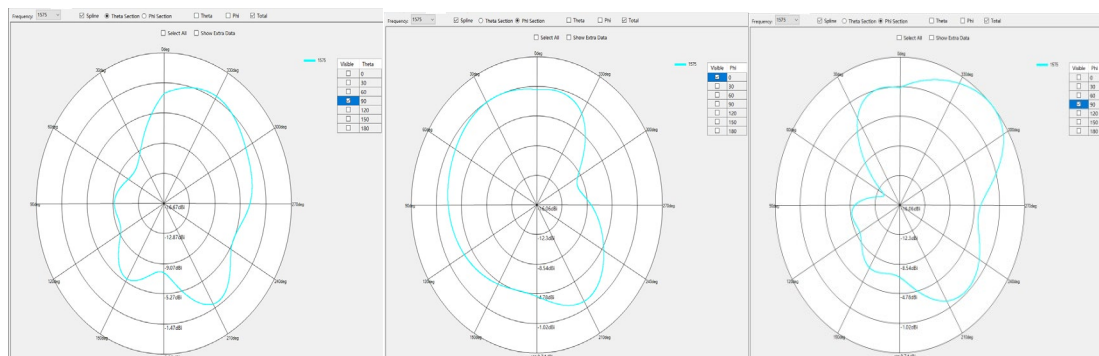
Freq (MHz)	Gain(dBi)	Efficiency(%)
1550	3.45	51.85
1555	3.30	52.26
1560	3.08	50.80
1565	2.76	50.22
1570	2.48	49.54
1575	1.94	47.24
1580	1.70	44.78
1585	1.88	44.53
1590	2.31	47.00
1595	2.58	50.13
1600	2.74	53.86
1605	2.57	53.07

RADIATION PATTERNS

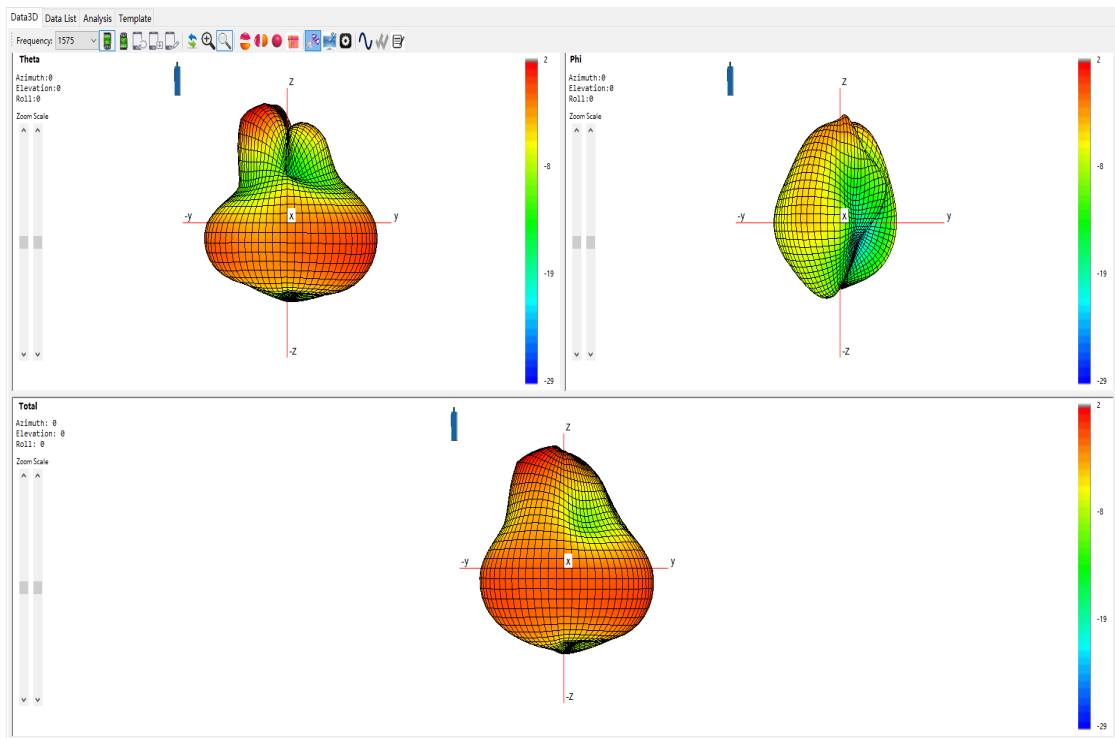
2D Radiation Pattern at 1575MHz(Test with the antenna bent upwards)



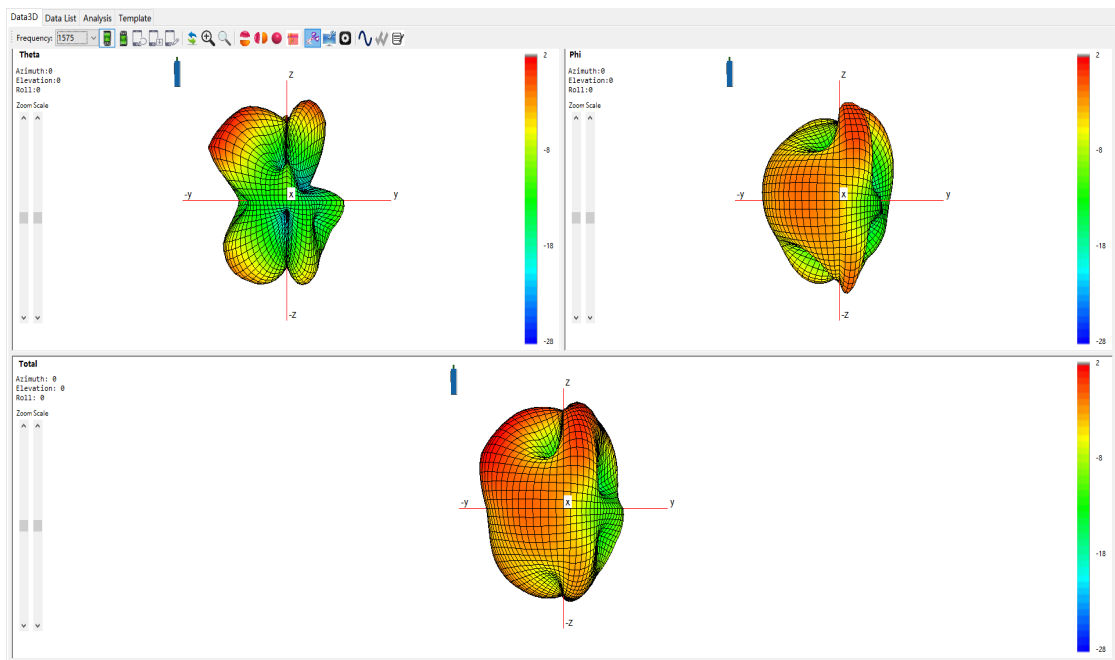
2D Radiation Pattern at 1575MHz(Test with the antenna standing upright)



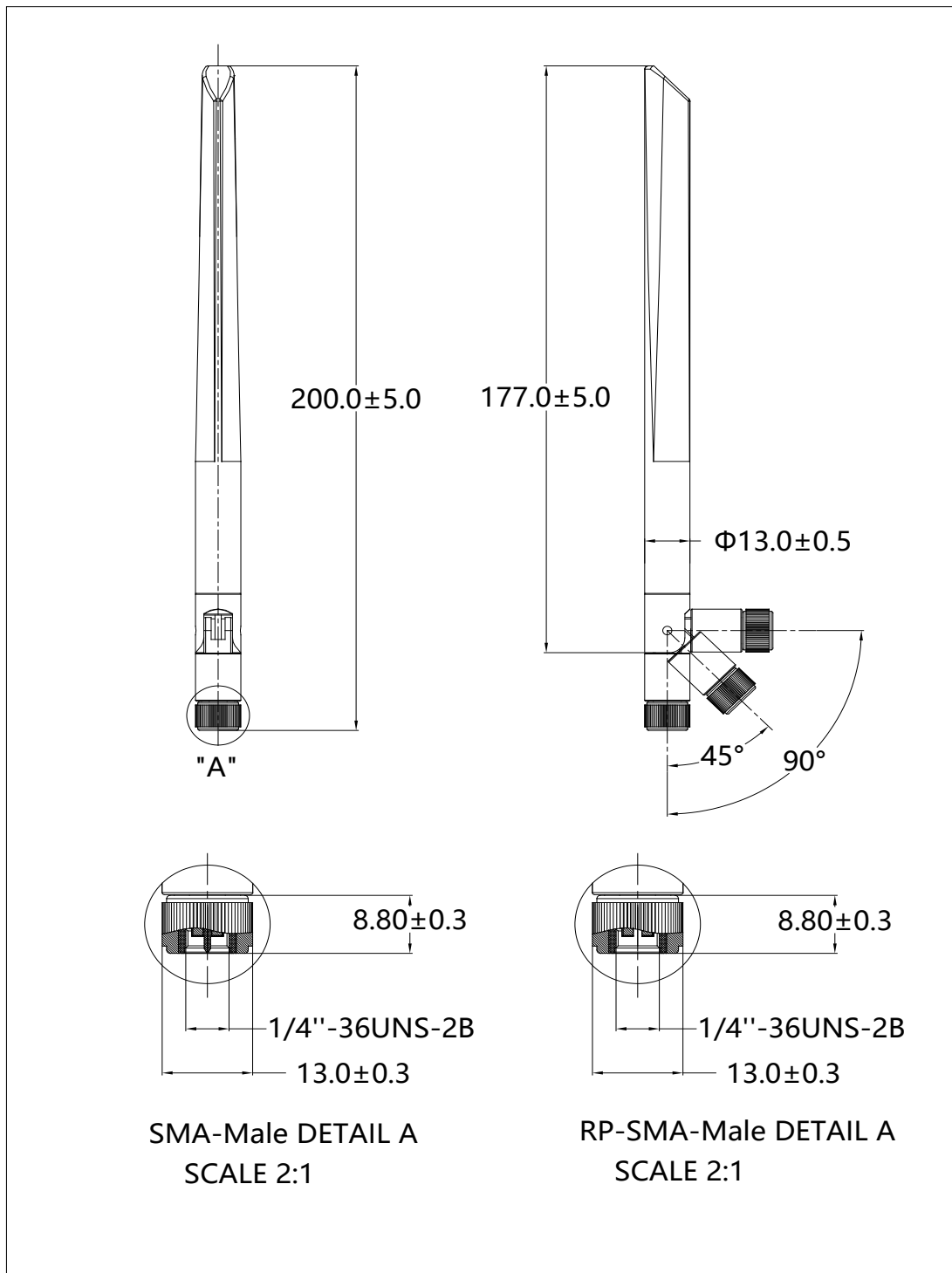
3D Radiation Pattern at 1575MHz(Test with the antenna bent upwards)



3D Radiation Pattern at 1575MHz(Test with the antenna standing upright)



HOUSING CONFIGURATIONS



Abosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd. (often abbreviated as MyAntenna).