

WIFI 7 Black Rod Antenna

FEATURES



- Enhanced hinge structure for vibration environs
- Designed for both Indoor & Outdoor applications
- Dipole Antenna, Ground Plane Independent
- Wide band Antenna
- Full 2400-2500, 5100-7200 MHz backward compatibility
- 4.6 dBi Peak Gain
- Vertically (90°), suitable for compact space multi-antenna installation



The MyAntenna M02-0200100R0A range of antennas are designed to decrease the lifetime cost of M2M and mobile device installations by offering a robust, effective antenna that is easy to install and lasts the lifetime of the installation without the need for maintenance.

The antenna offers ground-plane independent Omni-directional performance Wi-Fi & Bluetooth making it a versatile solution for any number of applications. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link even in problematic coverage areas.

PRODUCTS

Model	Part No.	Weight	Dimensions (L x W x H)	Connector	Color
AEWW032	M02-0200280R0A	16g	Φ13*195mm	SMA Male	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION	
Frequency Bands, MHz	2400-2500	5100-7200
VSWR (Max)	1.61:1	2.09:1
Peak Gain, dBi (Typ)	Up to 2.56	
Max Efficiency (%)	82.84	
Nominal Impedance	50 Ω	
Max Power (ambient temp of 25°C)	10 Watts	
Azimuth Beam Width (deg)	Omnidirectional	
Polarization	Linear, Omnidirectional	
Radome	PC, Black	
Storage Temperature Range (°C)	-40° C to +85° C	
Operational Temperature Range (°C)	-30° C to +80° C	
Material Substance Compliance	REACH/RoHS Compliant	
HSCODE	8517707090	
USHSCODE	8517620010	
UPC		

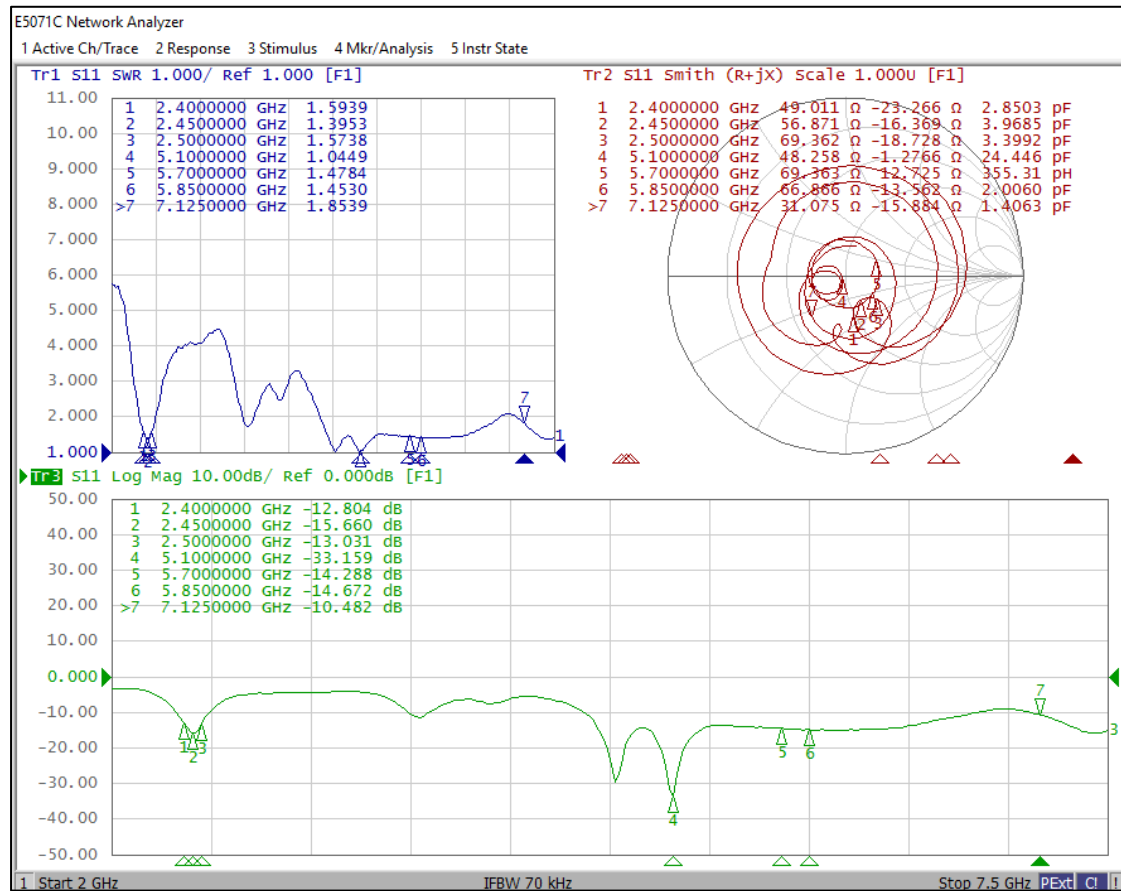
MyAntenna RF Technology Co., Ltd

ADD:Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezi Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen

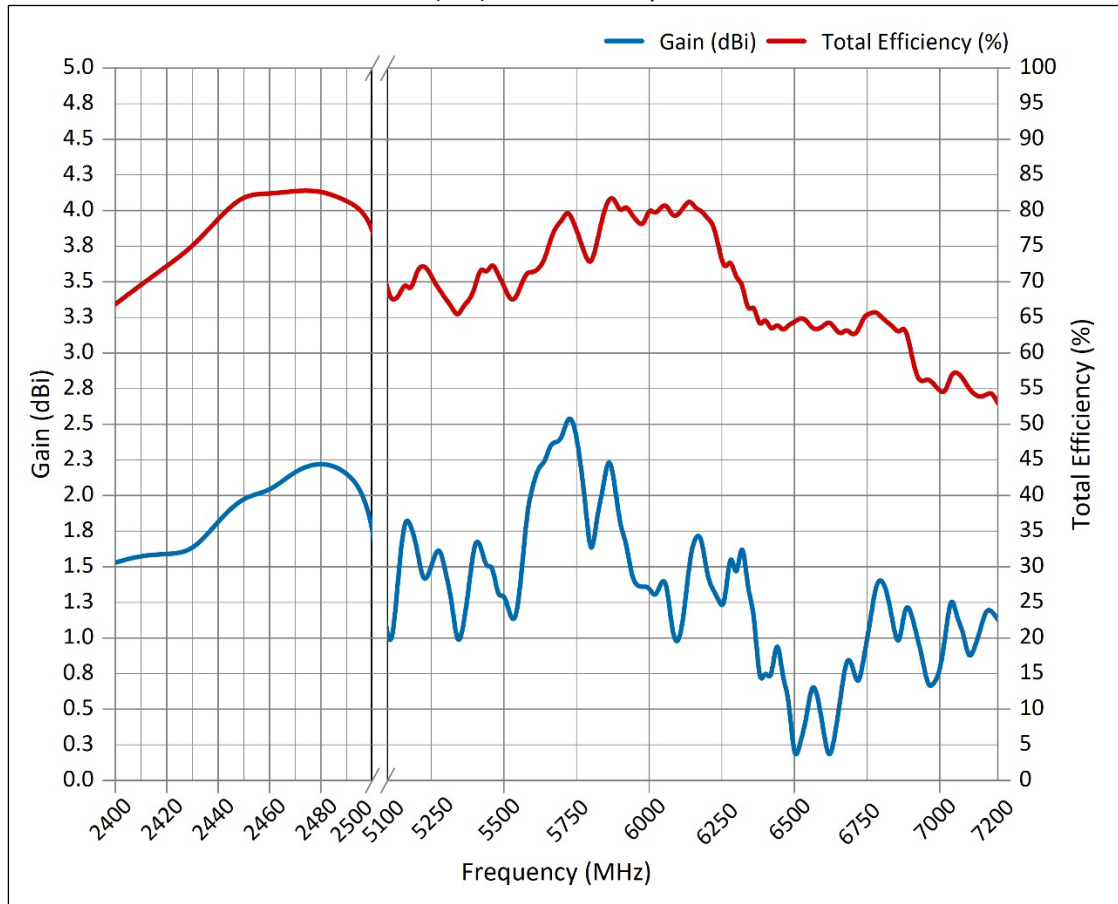
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL DATA

Return Loss



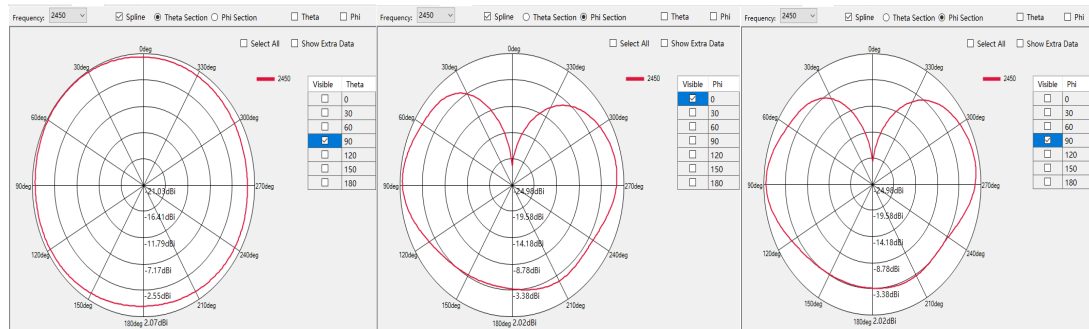
Gain(dBi) and Efficiency (%)



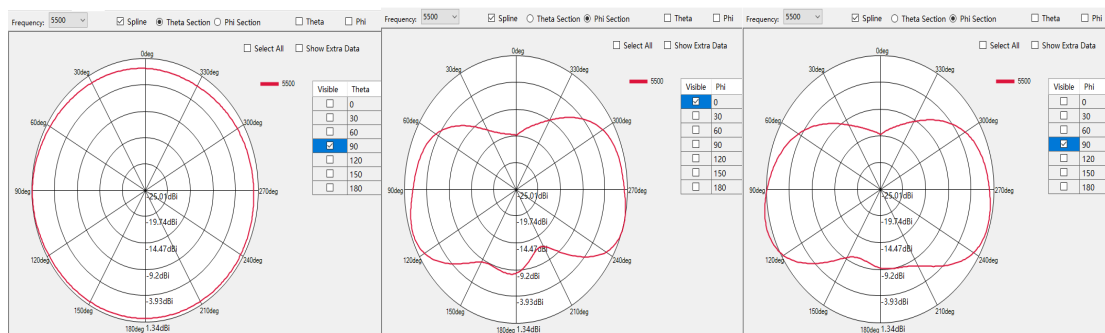
Frequency (MHz)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	1.53	66.85	5660	2.37	75.96	6440	1.07	64.38
2410	1.58	69.58	5680	2.37	77.87	6460	0.69	62.89
2420	1.59	72.2	5700	2.4	78.6	6480	0.62	64
2430	1.6	74.84	5720	2.56	80.24	6500	0.09	64.3
2440	1.82	78.86	5740	2.53	78.33	6520	0.27	64.99
2450	2	82.39	5760	2.29	76.21	6540	0.41	64.71
2460	2.02	82.3	5780	1.96	73.56	6560	0.71	63.44
2470	2.18	82.79	5800	1.5	72.19	6580	0.6	63.29
2480	2.24	82.84	5820	1.86	75.38	6600	0.35	63.79
2490	2.18	81.47	5840	2.02	79.21	6620	0.11	64.6
2500	1.95	79.29	5860	2.31	81.77	6640	0.32	63.38
5100	0.89	68.05	5880	2.11	81.85	6660	0.6	62.49
5120	1.02	67.29	5900	1.77	79.57	6680	0.89	63.55
5140	1.53	68.04	5920	1.69	80.91	6700	0.81	62.35
5160	1.87	70.04	5940	1.42	79.41	6720	0.63	63.06
5180	1.79	68.4	5960	1.36	78.44	6740	0.88	65.3
5200	1.65	71.66	5980	1.36	77.68	6760	1.1	65.52
5220	1.39	72.42	6000	1.36	80.54	6780	1.39	65.93
5240	1.43	71.68	6020	1.27	79.35	6800	1.42	64.99
5260	1.58	69.94	6040	1.39	80.46	6820	1.32	64.33
5280	1.65	68.82	6060	1.43	81.01	6840	1.09	63.69
5300	1.45	67.53	6080	1.01	79.1	6860	0.9	62.67
5320	1.28	66.57	6100	0.94	79.36	6880	1.25	64.05
5340	0.91	64.86	6120	1.16	80.57	6900	1.2	60.48
5360	1.07	66.68	6140	1.58	81.61	6920	1.02	56.54
5380	1.36	67.31	6160	1.72	80.2	6940	0.87	55.86
5400	1.71	69	6180	1.73	80.06	6960	0.64	56.5
5420	1.66	72.39	6200	1.42	78.89	6980	0.68	55.64
5440	1.47	70.89	6220	1.34	78.31	7000	0.75	54.65
5460	1.54	72.96	6240	1.26	74.69	7020	1.02	54.32
5480	1.26	70.95	6260	1.18	71.34	7040	1.34	57.24
5500	1.33	69.55	6280	1.69	73.54	7060	1.13	57.37
5520	1.16	67.4	6300	1.34	70.18	7080	1.06	56.5
5540	1.09	67.45	6320	1.77	70.24	7100	0.83	55
5560	1.43	69.68	6340	1.3	65.31	7120	0.93	54.16
5580	1.91	71.48	6360	1.23	67.22	7140	1.06	53.77
5600	2.07	71.26	6380	0.62	63.2	7160	1.21	54.15
5620	2.21	71.83	6400	0.8	65.33	7180	1.19	54.6
5640	2.22	73.01	6420	0.66	62.83	7200	1.13	52.96

RADIATION PATTERNS

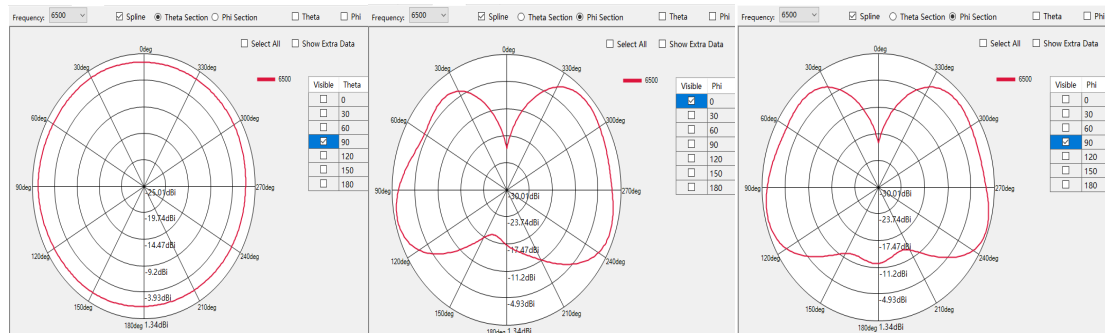
2D Radiation Pattern at 2450MHz



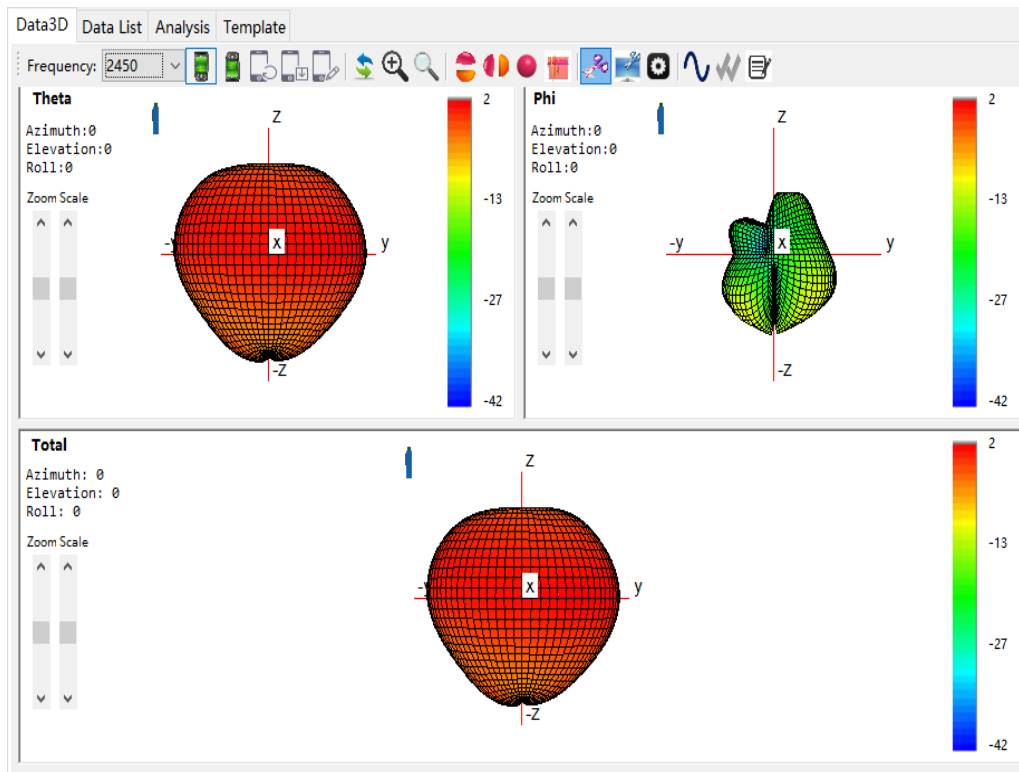
2D Radiation Pattern at 5550MHz



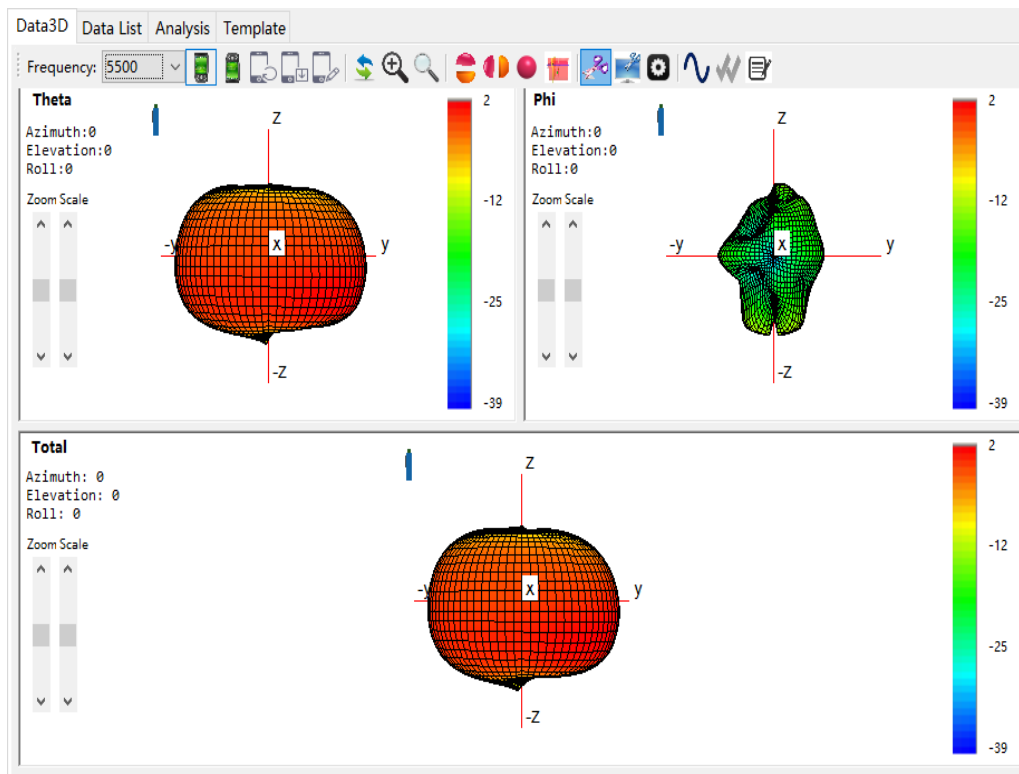
2D Radiation Pattern at 6500MHz



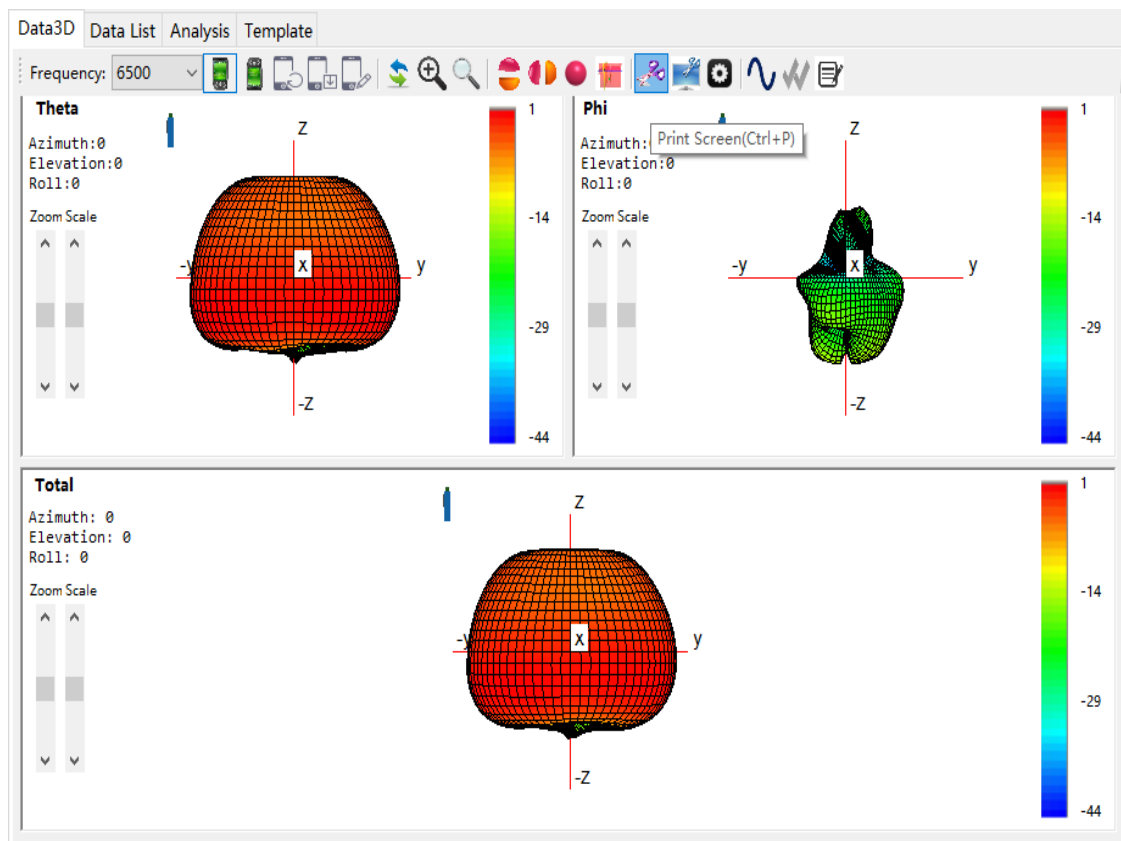
3D Radiation Pattern at 2450MHz



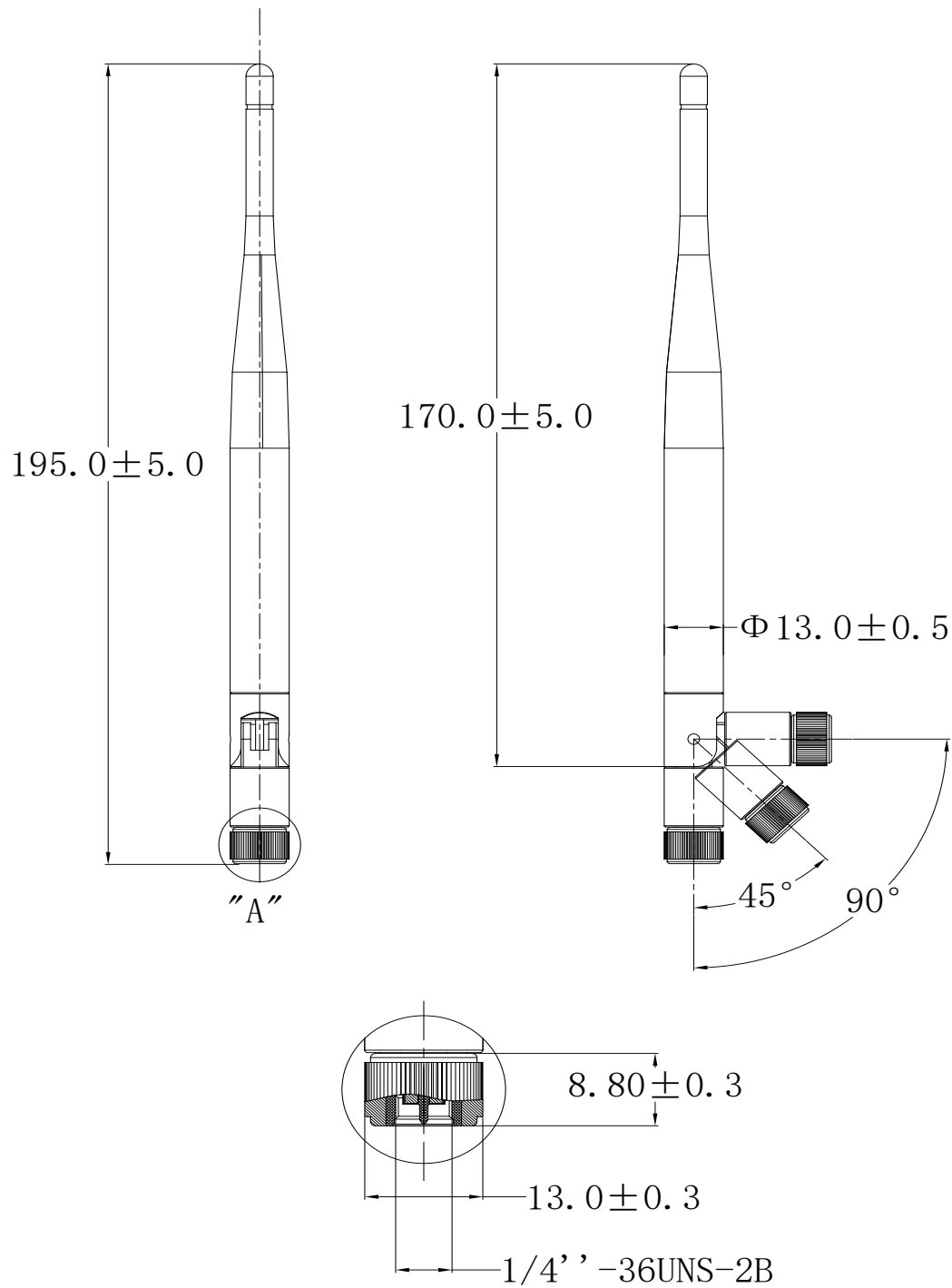
3D Radiation Pattern at 5550MHz



3D Radiation Pattern at 6500MHz



HOUSING CONFIGURATIONS



SMA-Male DETAIL A

SCALE 2:1

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

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