

640-670MHz Paddle Monopole Antenna

FEATURES



- Designed for both Indoor & Outdoor applications
- Ground Plane dependent
- 1.84 dBi Peak Gain
- Small Form Factor



PRODUCTS

Model	Part No.	Weight	Dimensions (L x W x H)	Connector	Color
AEIW001	M02-0400710R0A	6g	50.5*17.2*10.4mm	SMA Male	Black
AEIW002	M02-0400720R0A	6g	47.6*17.2*8.2mm	SMA Male	Black
AEIW003	M02-0400730R0A	6g	50.5*17.2*10.4mm	RP-SMA Male	Black
AEIW004	M02-0400740R0A	6g	47.6*17.2*8.2mm	RP-SMA Male	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	640-670
VSWR (Max)	3.0:1
Peak Gain, dBi (Typ)	Up to 1.84
Peak Efficiency,%	Up to 57.73
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear
Radome	TPE, Black
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHS Compliant

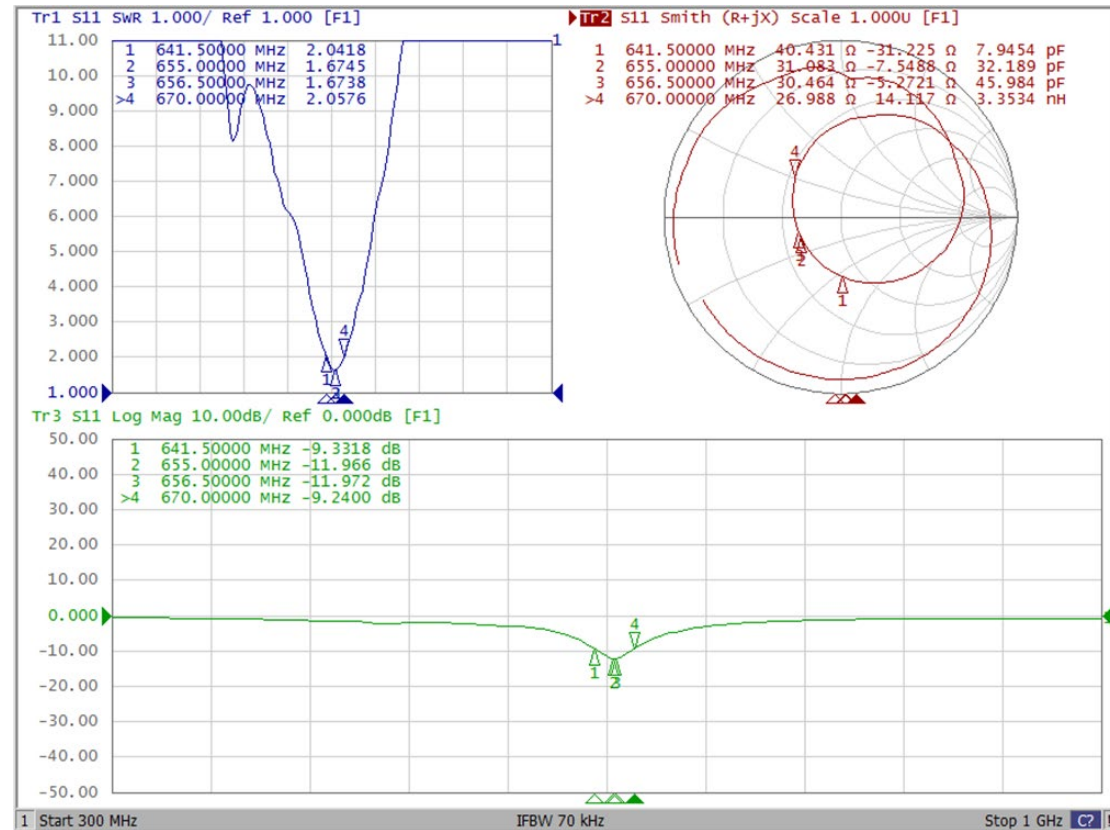
MyAntenna RF Technology Co., Ltd

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

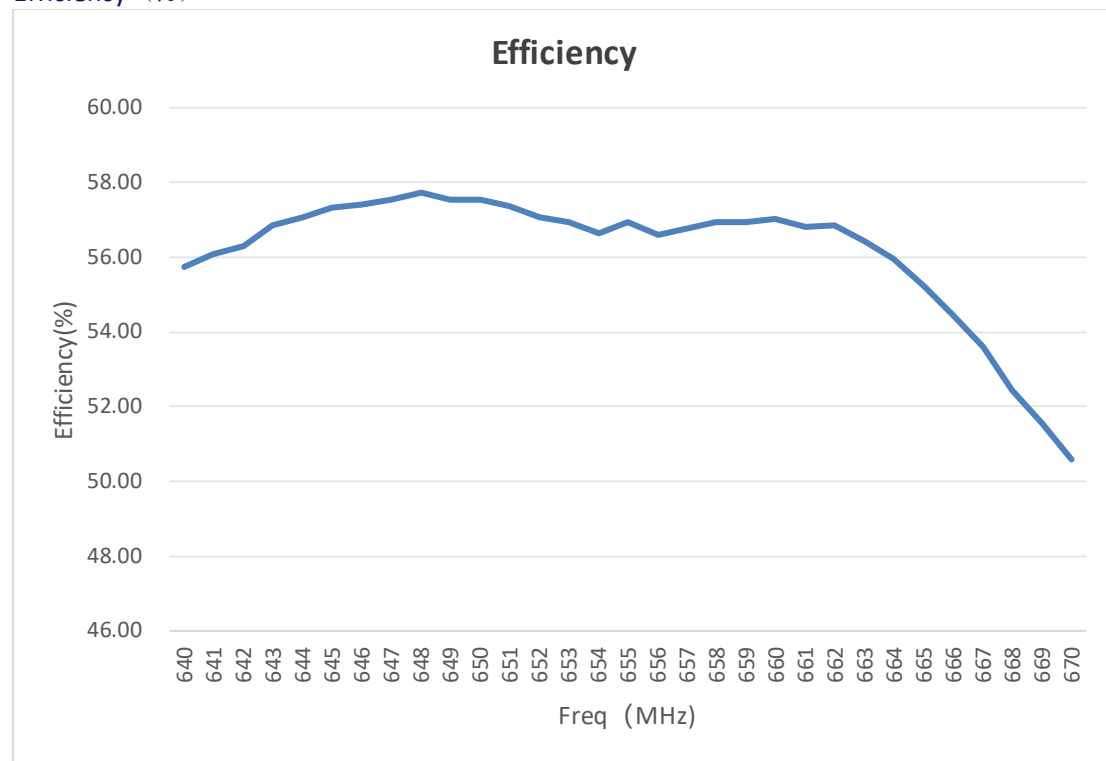
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@imyantenna.com

ELECTRICAL DATA

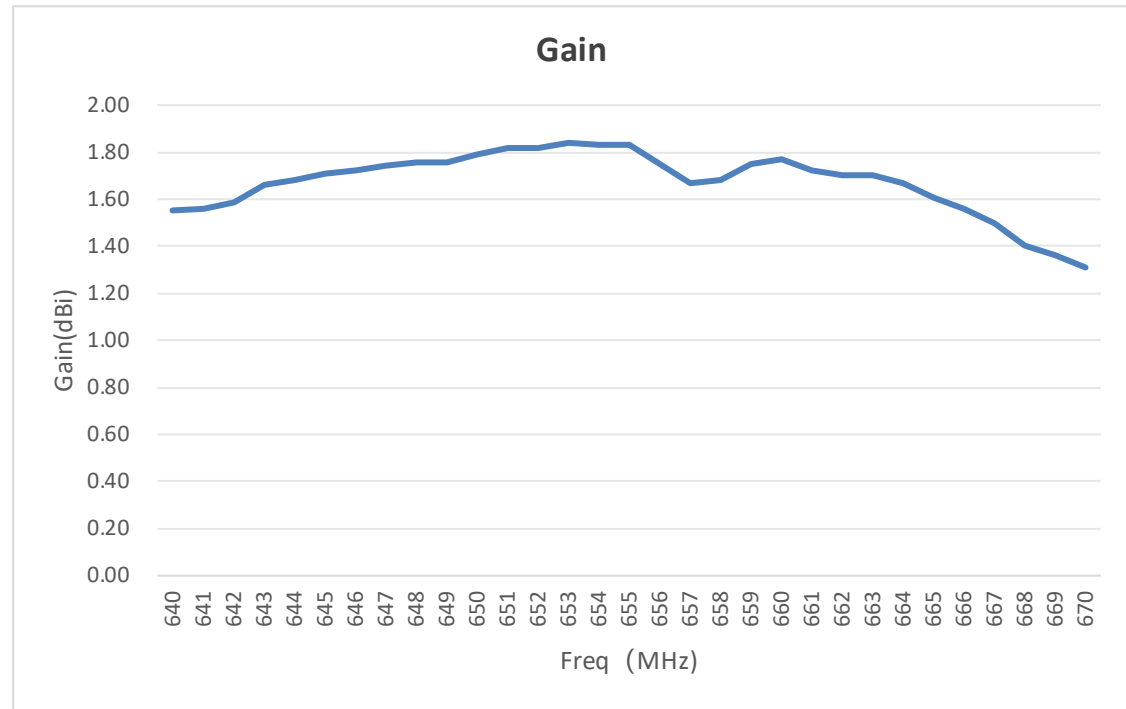
Return Loss



Efficiency (%)



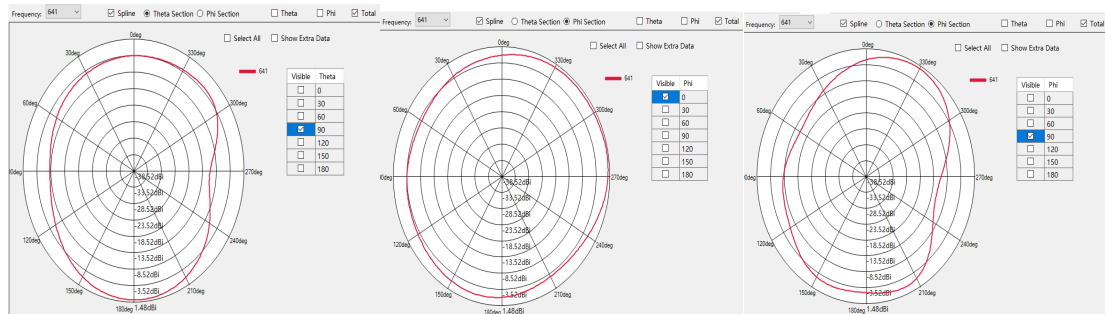
Peak Gain (dBi)



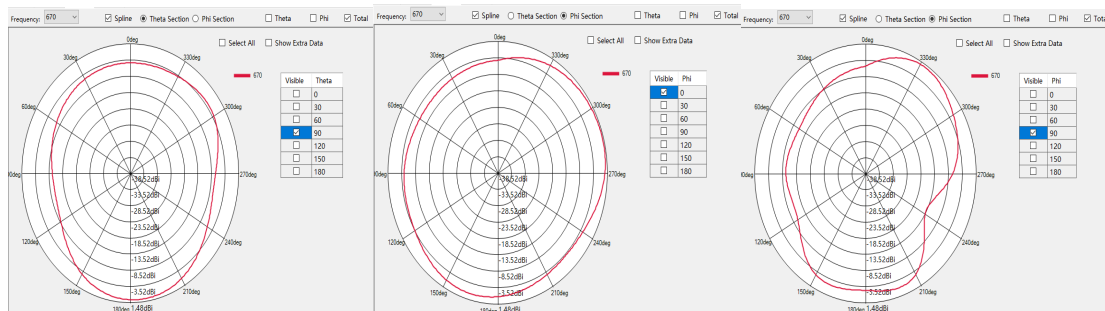
Freq (MHz)	Gain(dBi)	Efficiency(%)	Freq (MHz)	Gain(dBi)	Efficiency(%)
640	1.55	55.75	656	1.75	56.61
641	1.56	56.07	657	1.67	56.76
642	1.59	56.32	658	1.68	56.95
643	1.66	56.85	659	1.75	56.95
644	1.68	57.07	660	1.77	57.01
645	1.71	57.34	661	1.72	56.82
646	1.72	57.40	662	1.70	56.86
647	1.74	57.54	663	1.70	56.44
648	1.76	57.73	664	1.67	55.97
649	1.76	57.55	665	1.61	55.23
650	1.79	57.56	666	1.56	54.45
651	1.82	57.39	667	1.50	53.61
652	1.82	57.06	668	1.40	52.46
653	1.84	56.93	669	1.36	51.55
654	1.83	56.66	670	1.31	50.59
655	1.83	56.95			

RADIATION PATTERNS

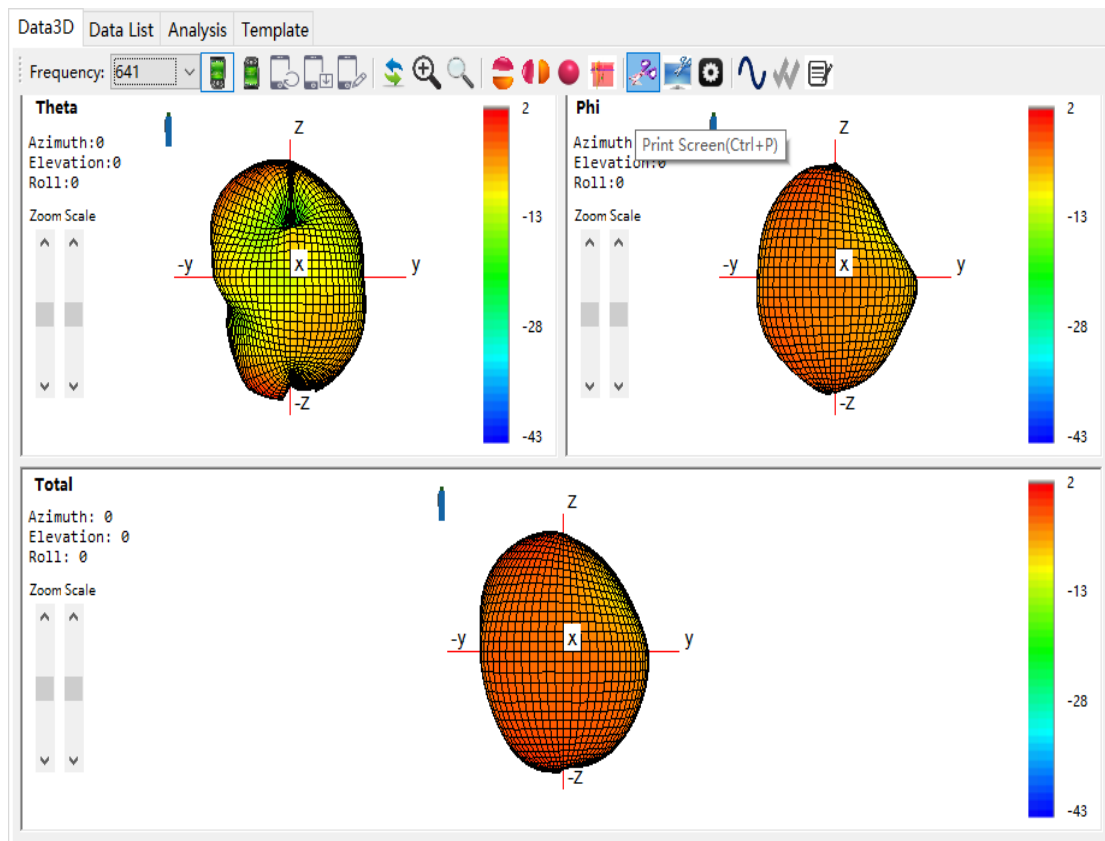
2D Radiation Pattern at 641MHz



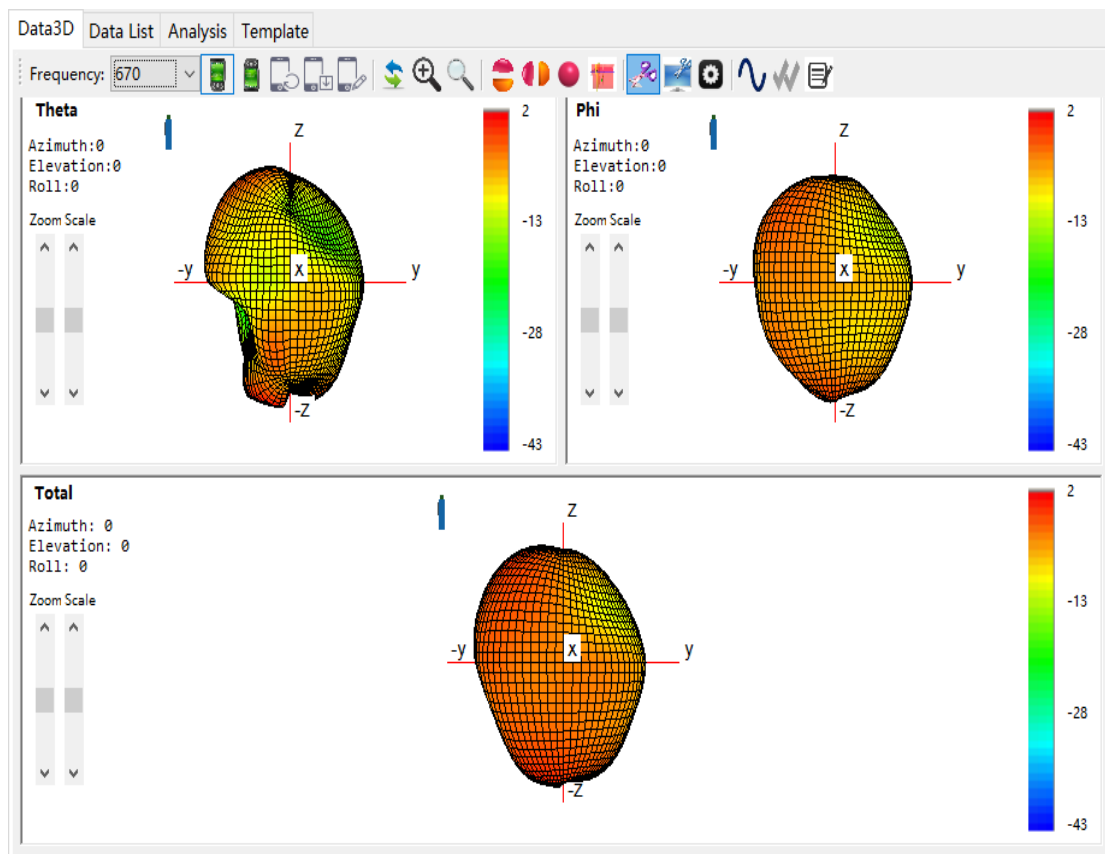
2D Radiation Pattern at 670MHz



3D Radiation Pattern at 641MHz

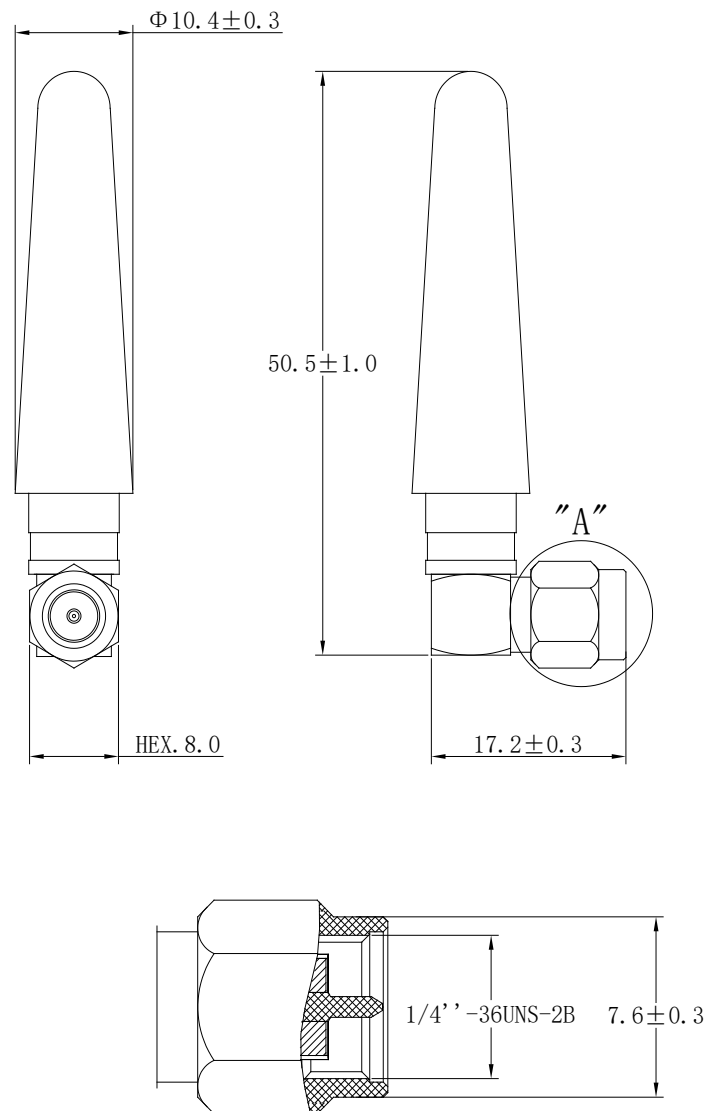


3D Radiation Pattern at 670MHz



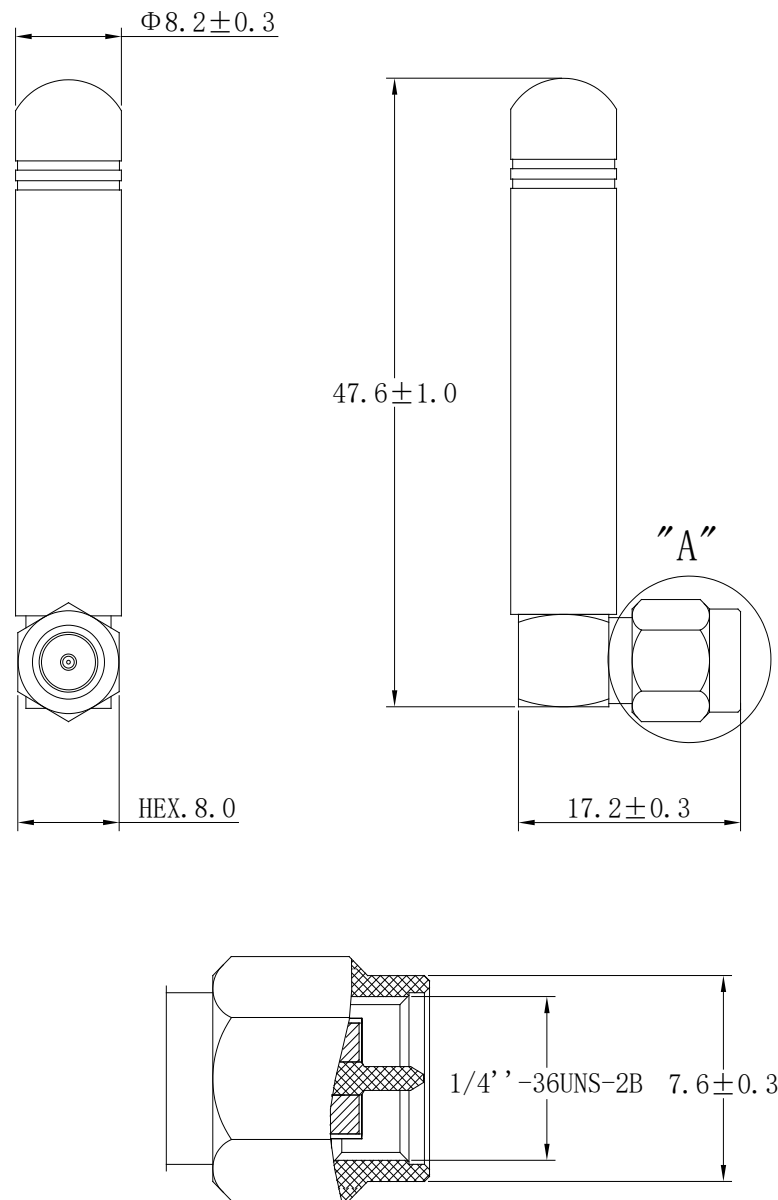
HOUSING CONFIGURATIONS

M02-0400710R0A



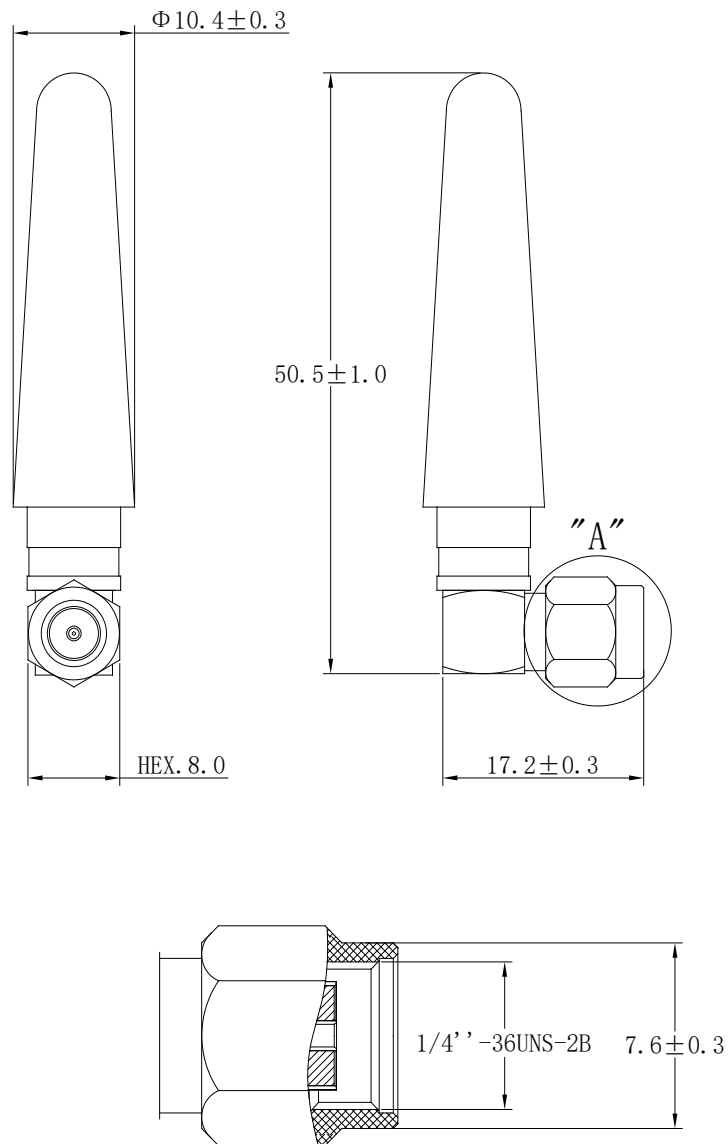
DETAIL A
SCALE 2:1

M02-0400720R0A

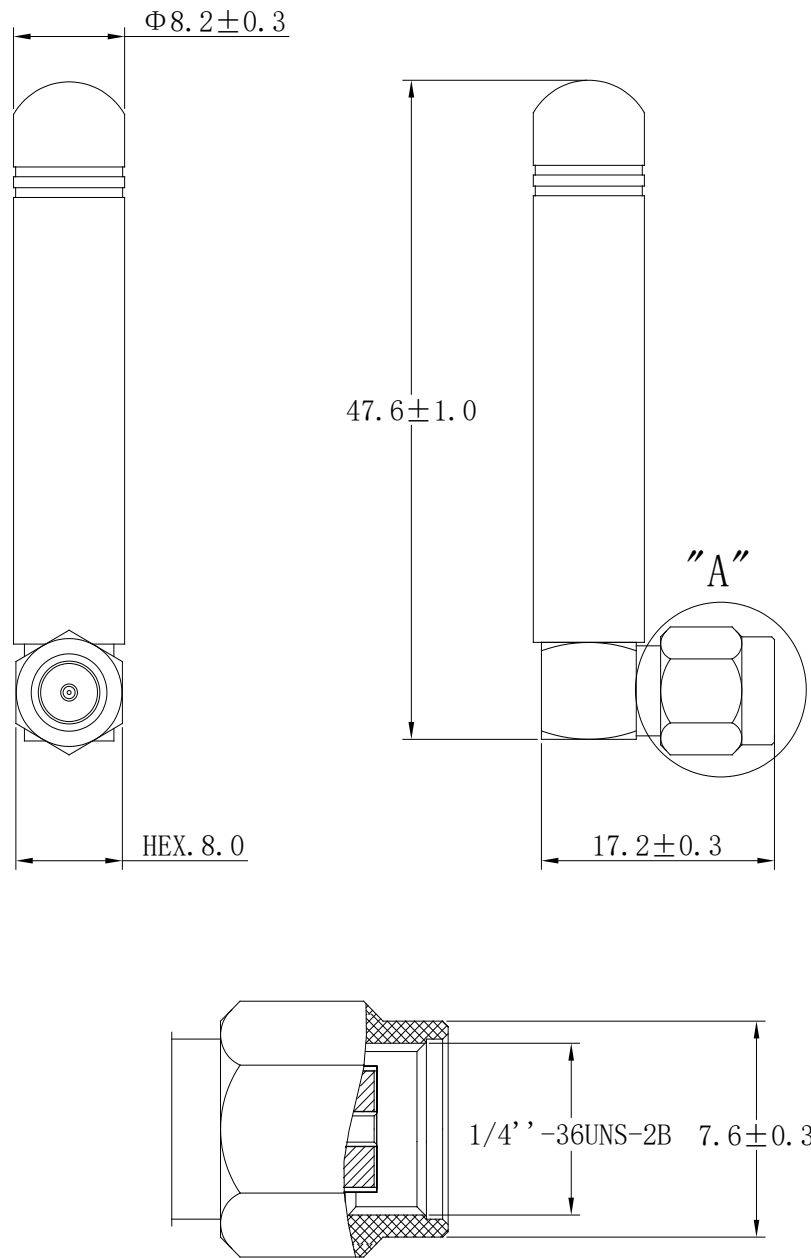


DETAIL A
SCALE 2:1

M02-0400730R0A



DETAIL A
SCALE 2:1



DETAIL A
SCALE 2:1

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