

AntennaHome

- Antenna and Solution Supplier



公司介绍

Company Info

- **Founded In 2016**
/ 成立于**2016**年
- **GMV 1.5~2.0 Million USD Annual**
/ 年销售额 **150~200**万 美金
- **15 years engineer exprience**
/ **15**年的工程经验
- **Profersonal 3D RF chamber Lab**
/ 专业的**3D**射频微波实验室
- **ISO9001 Quality Manager System**
/ **ISO9001**质量管理体系



研发+制造

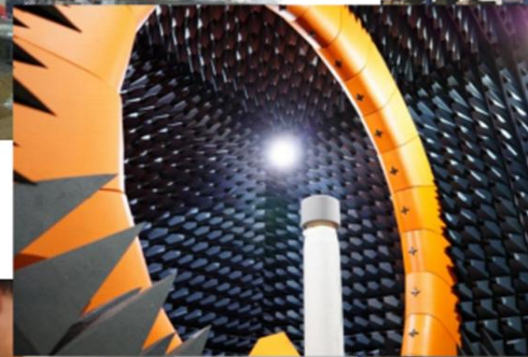
R&D + Manufacture

- 15 years engineer experience
- Computer simulation design
- Professional RF-Lab Test

生产车间
Manufacture



仓库
Storehouse

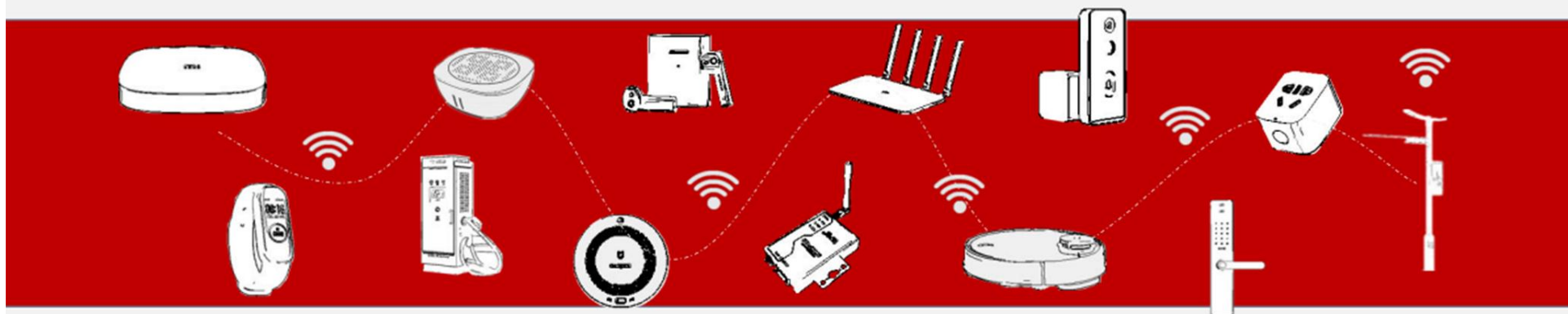


射频调试仪器
RF equipment



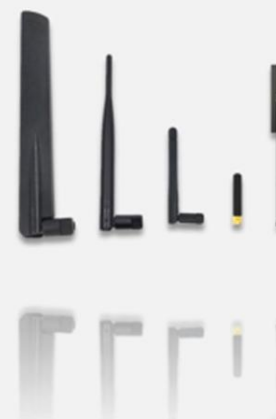
办公室
Office

产品及应用 / Products



300M~6G Hz Antenna

- ◆ ISM 315/433/868/915MHz
- ◆ GSM/GPRS/3G /4G LTE
- ◆ RF Cable ASSY
- ◆ WiFi /BLE /Zigbee /2.4G
- ◆ NB-IoT /Cat.1 /5G
- ◆ RF Connector
- ◆ LoRa /UWB /RFID
- ◆ GNSS /GPS /BD



应用领域 Application

消费电子
Consumer electronics

智能家居
Smart Home

工业控制
Industry
Control

智慧城市
Smart City

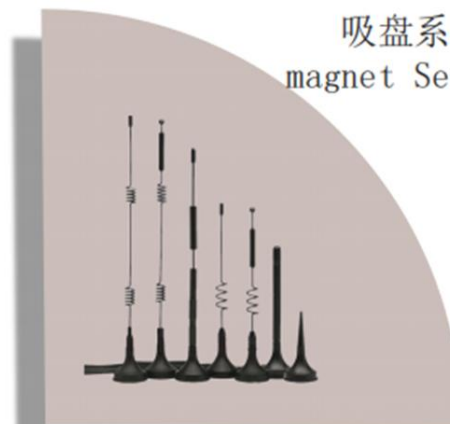
产品系列 1#

Product Series 1#

胶棒系列
Rubber Series



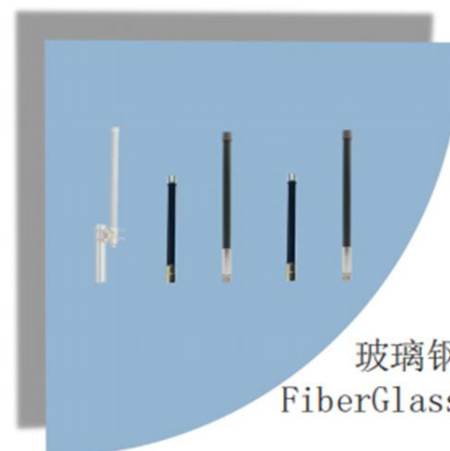
吸盘系列
magnet Series



机箱系列
Set-Box Series



玻璃钢系列
FiberGlass Series

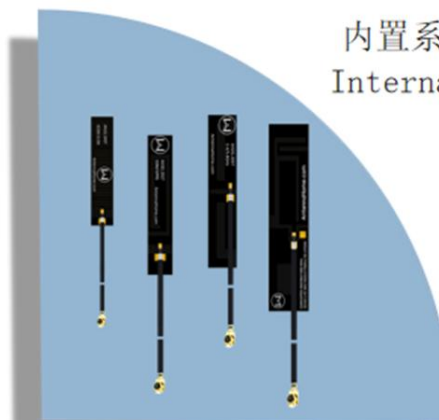


产品系列 2#
Product Series 2#

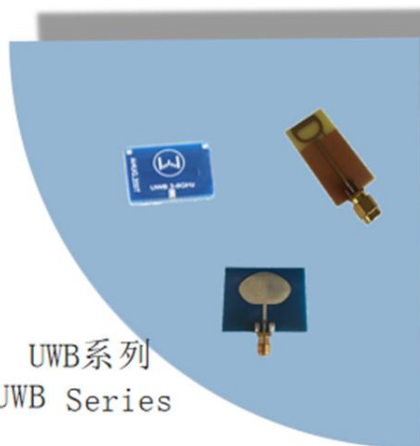
定位系列
GNSS Series



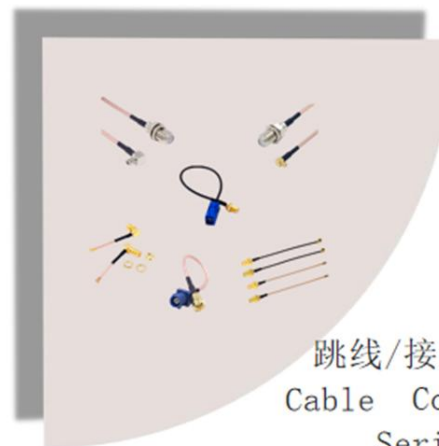
内置系列
Internal Series



UWB系列
UWB Series



跳线/接头 系列
Cable Connector
Series



2.4G Series For ISM2.4G/WiFi/BT/BLE/Zigbee/Z-wave.



频率/Frequency: 2400~2483 MHz

输入阻抗/Impedance: 50 Ω

驻波比/VSWR: ≤2.0

线缆/Cable: RG113 L120mm

接头/Connector: SMA/IPX/U. FL

类别 / Type	料号 / PN	频率 / Frequency	产品描述 / Product Description	产品图片 / Product Picture	规格书下载 / Datasheet Download
H108 Rubber	AH2G.101	2.4GHz	H108 Rubber SMA-J ,2.4G		http://docs.antennahome.com/ant/AH2G.101.pdf
H50 Rubber	AH2G.104	2.4GHz	H50 Rubber SMA-J ,2.4G		http://docs.antennahome.com/ant/AH2G.104.pdf
PCB + Cable Internal Ant	AH2G.205T	2.4/5.8GHz	2.4/5.8GHz PCB ANT		http://docs.antennahome.com/ant/AH2G.205T.pdf
FPC + Cable Internal Ant	AH2G.207	2.4/5.8GHz	2.4/5.8GHz FPC ANT		http://docs.antennahome.com/ant/AH2G.207.pdf
CHIP SMD OnBoard ANT	AH2G.302	2.4GHz	K0801 CHIP SMD, 2.4G Antenna		http://docs.antennahome.com/ant/AH2G.302.pdf
Spring	AH2G.304	2.4GHz	Spring DIP, 2.4G antenna		http://docs.antennahome.com/ant/AH2G.304.pdf
H175 Magnet	AH2G.401	2.4GHz	H175 Rubber Magnetic SMA-J, 2.4G		http://docs.antennahome.com/ant/AH2G.401.pdf
FiberGlass	AH2G.501	2.4/5.8GHz	H180 FiberGlass, N-type, 2.4/5.8G		http://docs.antennahome.com/ant/AH2G.501.pdf

2G/3G/4G, NB-IoT/Cat.1&4, 5G Series



频率/Frequency: 824~2170, 2690 MHz

输入阻抗/Impedance: 50 Ω

驻波比/VSWR: ≤2.0/3.5

线缆/Cable: RG113 L120mm

接头/Connector: SMA/IPX/U. FL

类别 / Type	料号 / PN	频率 / Frequency	产品描述 / Product Description	产品图片 / Product Picture	规格书下载 / Datasheet Download
CHIP SMD OnBoard ANT	AH3G.303	2G/3G/4G	K6015 CHIP SMD, 2G/3G/4G Antenna		http://docs.antennahome.com/ant/AH3G.303.pdf
H200 Magnet	AH3G.402	2G/3G/4G, NB-IoT, CAT.1&4,	2G/3G/4G, NB-IoT, CAT.1&4, H200 Metal Spring Antenna		http://docs.antennahome.com/ant/AH3G.402.pdf
H220 Magnet	AH3G.405	2G/3G/4G, NB-IoT, CAT.1&4,	2G/3G/4G, NB-IoT, CAT.1&4, H220 MetalSpring Antenna		http://docs.antennahome.com/ant/AH3G.405.pdf
FiberGlass	AH3G.501	2G/3G/4G, NB-IoT, CAT.1&4,	2G/3G/4G, NB-IoT, CAT.1&4, H250 FiberGlass Antenna		http://docs.antennahome.com/ant/AH3G.501.pdf
FPC + Cable Internal Ant	AH3G.204	3G/4G/5G	F6330 1.13 Cable IPX, 3G/4G/5G ANT		http://docs.antennahome.com/ant/AH3G.204.pdf
HB180 Rubber	AH3G.102	3G/4G/5G NB-IoT /CAT.1	HB180 Rubber SMA-J, 3G/4G/5G		http://docs.antennahome.com/ant/AH3G.102.pdf
H108 Rubber	AH3G.101	824~2170MHz, 2G/3G	H108 Rubber SMA-J, 2G/3G		http://docs.antennahome.com/ant/AH3G.101.pdf
PCB + Cable Internal Ant	AH3G.201T	824~2170MHz, 2G/3G	824-2710MHz PCB ANT		http://docs.antennahome.com/ant/AH3G.201T.pdf
Spring	AH1G.302	868/915M, 900/1800MHz	Spring DIP, 868M/915M, GSM900/1800M antenna		http://docs.antennahome.com/ant/AH1G.302.pdf
H50 Rubber	AH1G.102	868/915MHz, 2G/3G	H50 Rubber SMA-J, 868M/915M, GSM900/1800M antenna		http://docs.antennahome.com/ant/AH1G.102.pdf

Sub-1G, 433M/868M/915M + LoRa Series



频率/Frequency: 315/433/868/915 MHz

输入阻抗/Impedance: 50 Ω

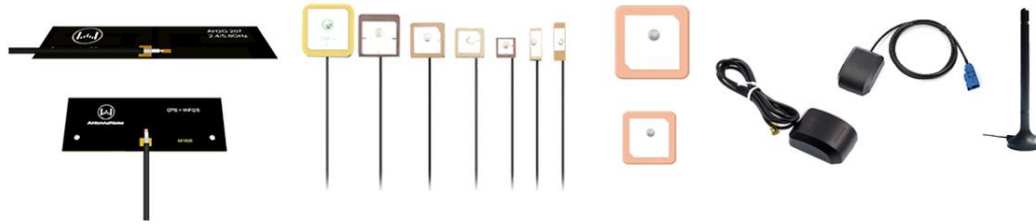
驻波比/VSWR: ≤2.0

线缆/Cable: RG113 L120mm

接头/Connector: SMA/IPX/U. FL

类别 / Type	料号 / PN	频率 / Frequency	产品描述 / Product Description	产品图片 / Product Picture	规格书下载 / Datasheet Download
H175 Magnet	AH1G.401	315-915MHz	H175 Rubber Magnetic SMA-J ,315-915M		http://docs.antennahome.com/ant/AH1G.401.pdf
PCB + Cable Internal Ant	AH1G.300T	433M-915MHz	433M-915MHz PCB ANT		http://docs.antennahome.com/ant/AH1G.300T.pdf
Spring	AH1G.301	433MHz	Spring DIP,433M antenna		http://docs.antennahome.com/ant/AH1G.301.pdf
H50 Rubber	AH1G.101	433MHz	H50 Rubber SMA-J ,433M antenna		http://docs.antennahome.com/ant/AH1G.101.pdf
FiberGlass	AH1G.501	433MHz	H480 FiberGlass , N-type ,433MHz		http://docs.antennahome.com/ant/AH1G.501.pdf
H50 Rubber	AH1G.102	868/915MHz, 2G/3G	H50 Rubber SMA-J ,868M/915M,GSM900/1800M antenna		http://docs.antennahome.com/ant/AH1G.102.pdf

GNSS GPS/BD, Active + Passive Series



频率/Frequency: 1575.42/1651 MHz

输入阻抗/Impedance: 50 Ω

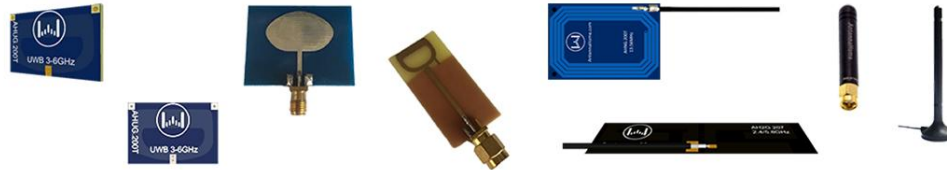
驻波比/VSWR: ≤2.0

线缆/Cable: RG113 L120mm

接头/Connector: SMA/IPX/U. FL

类别 / Type	料号 / PN	频率 / Frequency	产品描述 / Product Description	产品图片 / Product Picture	规格书下载 / Datasheet Download
FiberGlass	AHGG.501	GPS + BD	L280 FiberGlass , N-type ,1575.42/1651MHz GNSS Antenna		http://docs.antennahome.com/ant/AHGG.501.pdf
GPS BOX	AHGG.101	GPS + BD	Q48x38 Box GPS SMA-J , L2000 ,GPS/BD Antenna		http://docs.antennahome.com/ant/AHGG.101.pdf
GPS Internal	AHGG.202	GPS + BD	Q25x25 Internal GPS , L120, GPS/BD Antenna		http://docs.antennahome.com/ant/AHGG.202.pdf

UWB 3.5-6.5GHz,NFC/RFID 13.56MHz,Series



频率/Frequency: 3.5-6.5GHz/13.56MHz

输入阻抗/Impedance: Couple of IC

驻波比/VSWR: ≤ 2.0

线缆/Cable: RG113 L120mm

接头/Connector: SMA/IPX/U.FL

类别 / Type	料号 / PN	频率 / Frequency	产品描述 / Product Description	产品图片 / Product Picture	规格书下载 / Datasheet Download
PCB + Cable Internal Ant	AHNG.200T	13.56MHz	P3020 13.56MHz NFC/RFID ANT		http://docs.antennahome.com/ant/AHNG.200T.pdf
CHIP SMD OnBoard ANT	AHUG.200T	3.5~6.5GHz	P1410 3.5~6.5GHz OnBoard UWB ANT		http://docs.antennahome.com/ant/AHUG.200T.pdf

RF cable assembly and Connector, Series





频率/Frequency: DC - 6GHz

输入阻抗/Impedance: 50 Ω

驻波比/VSWR: ≤1.5

线缆/Cable: RG113 L120mm

接头/Connector: SMA/IPX/U.FL

类别 / Type	料号 / PN	频率 / Frequency	产品描述 / Product Description	产品图片 / Product Picture	规格书下载 / Datasheet Download
RF Cable ASSY 1#	AHCG.101	0~6 GHz	L120 1.13cable SMA-IPX,DIP		http://docs.antennahome.com/ant/AHCG.101.pdf
RF Cable ASSY 2#	AHCG.102	0~6 GHz	L120 1.13cable SMA/B-IPX ,DIP		http://docs.antennahome.com/ant/AHCG.102.pdf
RF Cable ASSY 3#	AHCG.103	0~6 GHz	L100 1.13cable IPX-IPX		http://docs.antennahome.com/ant/AHCG.103.pdf
RF Connector SMA 1#	AHCG.201	0~6 GHz	SMA-K Q4,DIP		http://docs.antennahome.com/ant/AHCG.201.pdf
RF Connector SMA 2#	AHCG.202	0~6 GHz	SMA-K Bended Q4 ,DIP		http://docs.antennahome.com/ant/AHCG.202.pdf
RF Connector SMA 3#	AHCG.203	0~6 GHz	SMA-K T1.6,DIP		http://docs.antennahome.com/ant/AHCG.203.pdf
RF Connector IPX G1	AHCG.204	0~6 GHz	IPX Mounting G1 ,SMD RF connector		http://docs.antennahome.com/ant/AHCG.204.pdf

如何选择天线/How To Choose a Antenna

1# Confirm antenna put OUTSIDE or INSIDE device.

Choose External antenna, like Rubber\Magnetic, Fiberglass, if outside.

Choose Internal antenna, like Chip\Spring\PCB FPC + Cable, if inside..

2# Confirm the FREQUENCY or Protocol.

Like frequency 433MHz, 2400-2480MHz.

or LoRa antenna use in EU, then we know the frequency is 868MHz.

or WiFi 5G antenna, then we know the frequency is 5.1-5.8GHz.

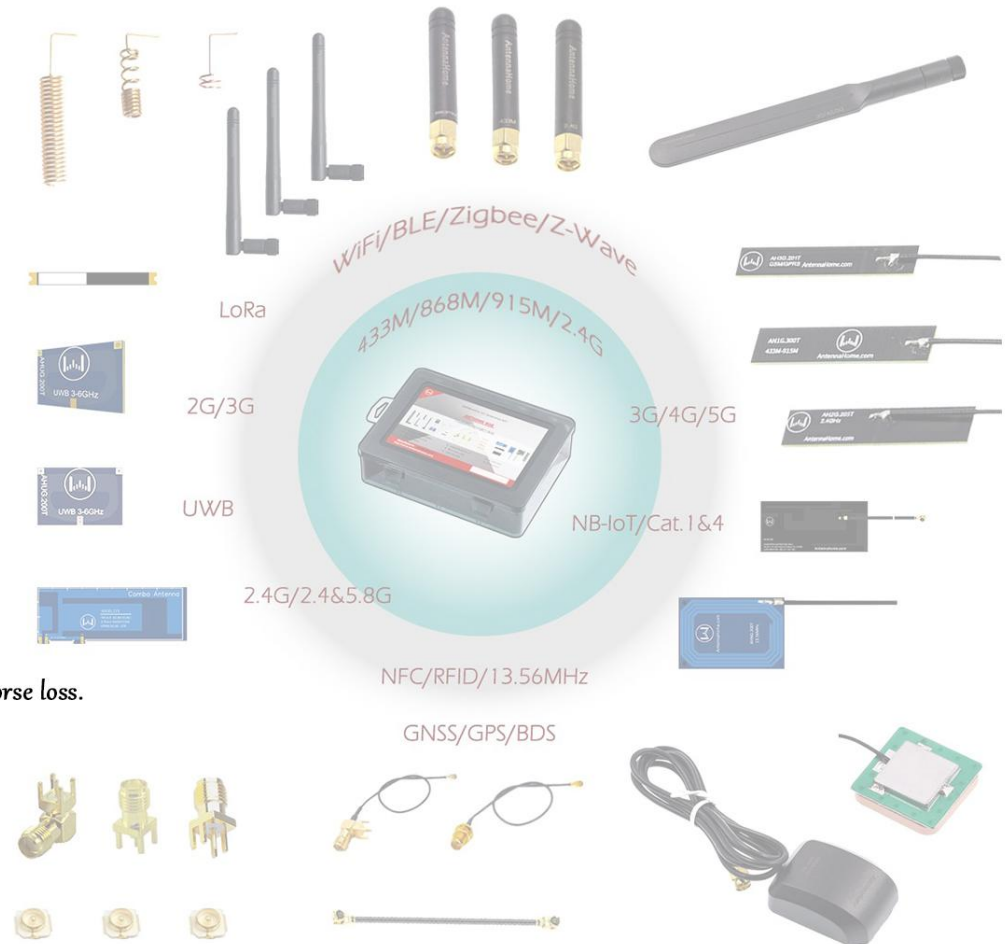
3# Confirm Appearance, Size, Connector and Cable length.

Use right connector like SMA\MCX, when connect to device,
and antenna cable length, appearance size;

Note: usually. bigger size antenna and better performance; longer cable and worse loss.

4# Make sample for test in client device.

Make sure test the samples in client device,
and check the communication distance and data rate.



天线的参数与测量/Antenna Parameter and Measure

Parameter of antenna.

Band: Work Frequency Range.

VSWR: <2.0 Normally, (S_{11} Return Loss)

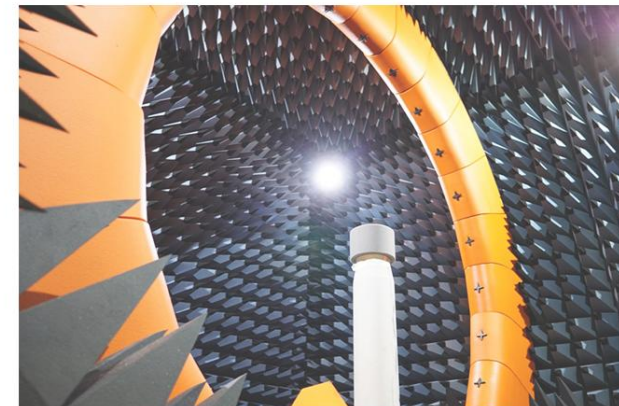
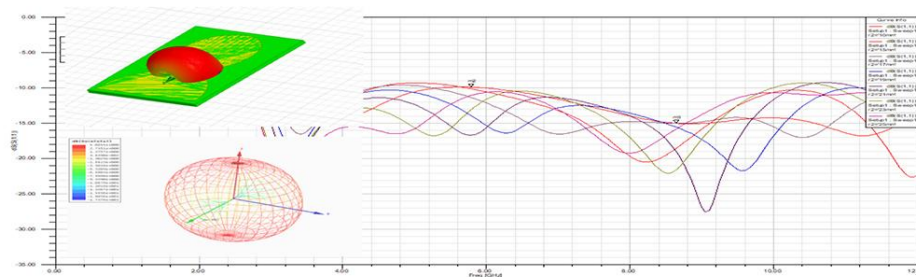
GAIN: 0~2dBi classic Radiation: Omni or Direction

Passive or Active for GPS antenna, TV digital antenna.

Measure of antenna.

S_{11} parameter, like VSWR\RL, need test by VNA equipment. -picture 1

Gain and Radiation pattern need test under 3D chamber. - picture 2



***** Note, usually Internal antenna, like PCB\FPC+cable, especially Chip SMD onboard antenna, NEED design and measure inside Client Device. *****



Local Distributor



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Longgang District, Shenzhen, Guangdong , 518000*

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E-mail: *cs@antennahome.com*