



SPECIFICATION

Shenzhen DreamLNK Technology Co.,Ltd.

Shenzhen Junye Technology Co., Ltd.

Shenzhen DreamLNK Technology Co., Ltd.

GPS+BD antenna

Product specification

customerHousehold		frequency segment	1560-1572.42 ± 3MHz
Wire name		Version this	A1
Customer Part Number		Jun Ye Part Number	803
Jun Ye Number			
RF design	James wang	RF manager	Knight Ai
Structural design		Structure manager	
technical director		day period	2019-05-16

client confirmation:

Whether the assembly meets your company's requirements: OK

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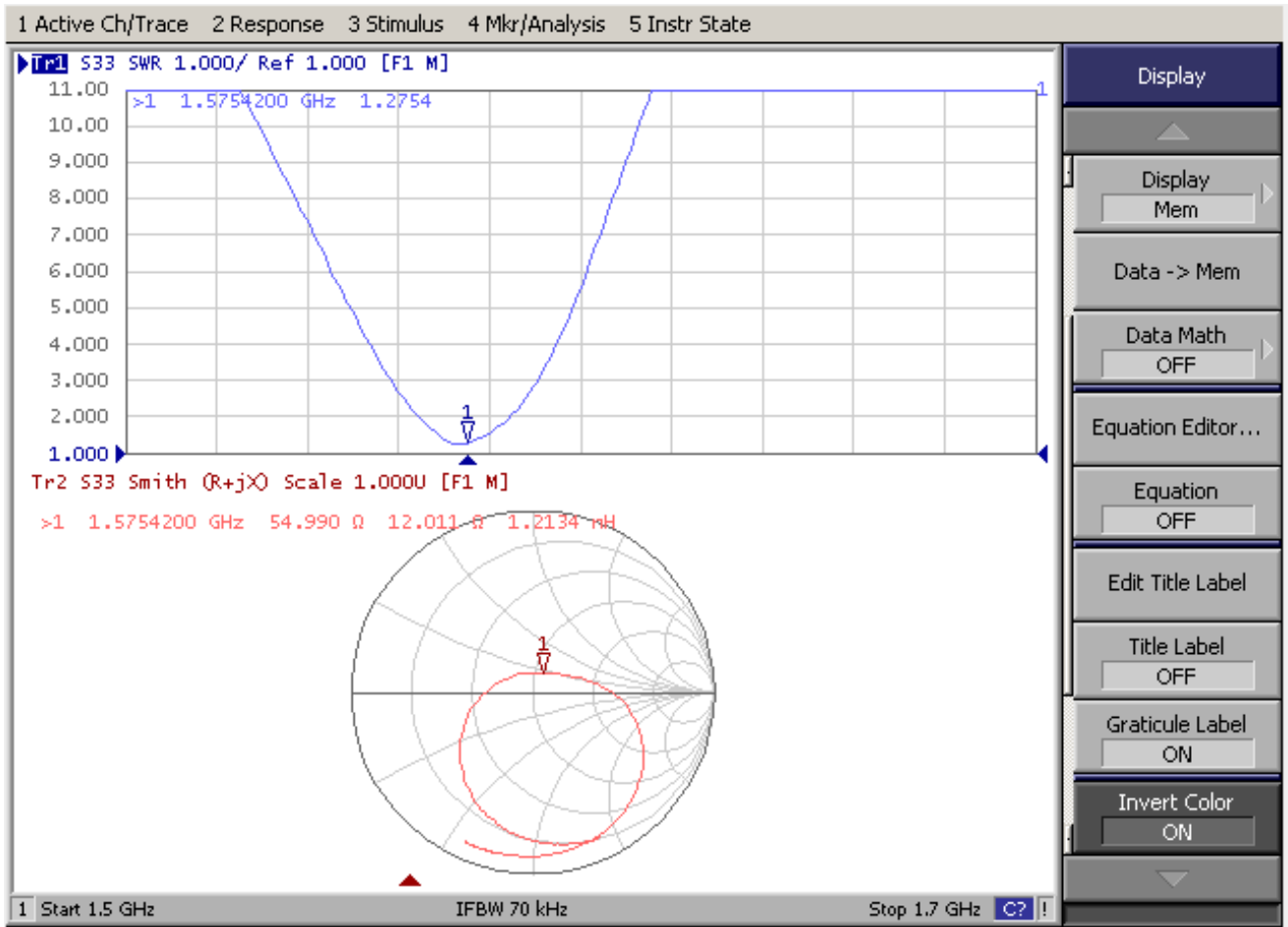
1. Product Picture



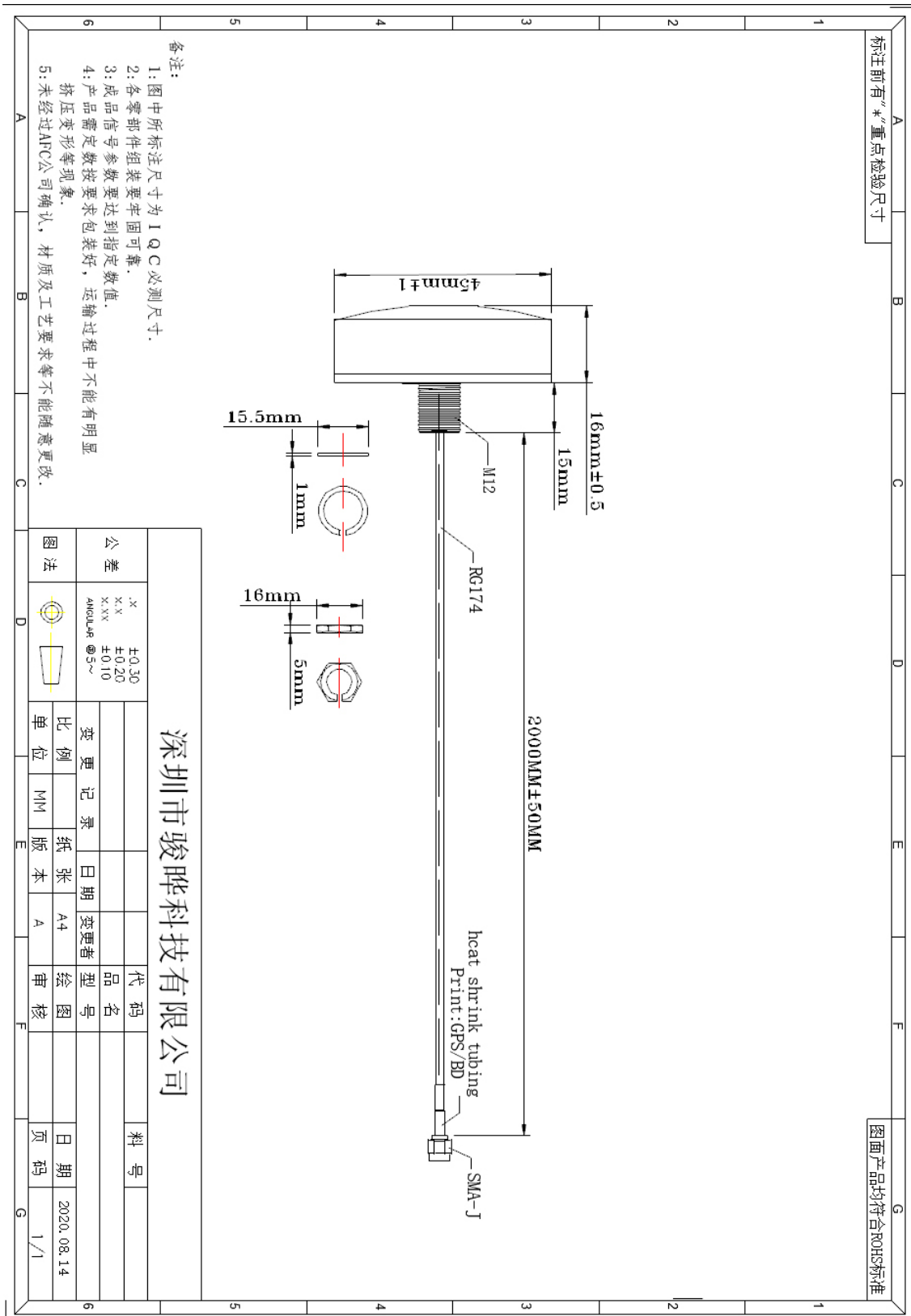
2. Product parameters

Product test parameters			
product name(Name)	GPS+BD antenna	Product number(Model Type)	803
Electrical performance index (Electrical Specifications)			
Frequency Range (Frenquency Range)	1560-1572.42 ± 3MHz	pole Transform square formula (Polarization)	Circular polarization
input resistance(Impedance)	50 Ω	Radiation direction	Orientation
Standing wave ratio (VSWR)	≤ 1.5	Power Capacity(Power)	20W
Gain (Gain)	4dBi	Amplification gain (Gain)	28dBi
Mechanical index (Mechanical Specifications)			
Size (Dimensions)	45*16mm	color of the product (Product Color)	black
Interface form (Connector)	SMA-J	Lead length (Cable Length)	2000mm
Antenna material Antenna materia	ABS & COPPER	Voltage(Voltage)	DC3.0~5.0V
Operating temperature (Working Temperature)	-30 °C~+ 85 °C	Storage temperature (Limit Temperature)	40~85%

Three, S11 (VSWR, Return loss, Smith) data



Four, structural drawings



Five, environmental performance test

project	Test Conditions	specification
Storage environment	The test temperature, humidity, and air pressure are as follows if not specified: 1. The temperature is -30°C ~ +80°C 2. The relative humidity is 45%-85% 3. The air pressure is 86kpa-106kpa	Normal electrical and mechanical performance
High and low temperature test	Perform 5 cycles between 70°C and 40°C, then 1-2H under normal conditions, Check the appearance quality.	The size should meet the regulations and Should be satisfied For mechanical and electrical properties
Constant heat and humidity test	Relative humidity 95 ± 3%, test temperature: 40°C. After continuous 2H action, the sample is taken out resistance Measure the electrical performance within 5 minutes after the test, and the test product is 1-2H under normal conditions View quality	The size should meet the regulations and Should be satisfied For mechanical and electrical properties
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S Frequency sweep cycles: 30 times	Normal electrical and mechanical performance
Drop test	Free fall 3 times at 1M height in the directions of mutually perpendicular axes	Normal electrical and mechanical performance

Six, contact information

Shenzhen DreamLnk Technology Co., Ltd

★ Data collection, smart home, Internet of Things applications, wireless remote control technology, long-distance active RFID, antenna research and development★

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