

Shenzhen DreamLNK Technology Co., Ltd.
深圳市骏晔科技有限公司

2.4Ghz Silver-plated Wire Antenna (140mm)

Product Specification

Client Name		Frequency Band	2400MHz-2500MHz
Wire Name		Version	A1
Customer's Part Number		DreamLNK's Part Number	DL030-001
RF Designer	James Wang	RF Manager	Knight Ai
Structural Designer		Structural Design Manager	
Technical Director		Date	2017-05-22

Client confirmation:

Whether the product meets your requirements? OK NG

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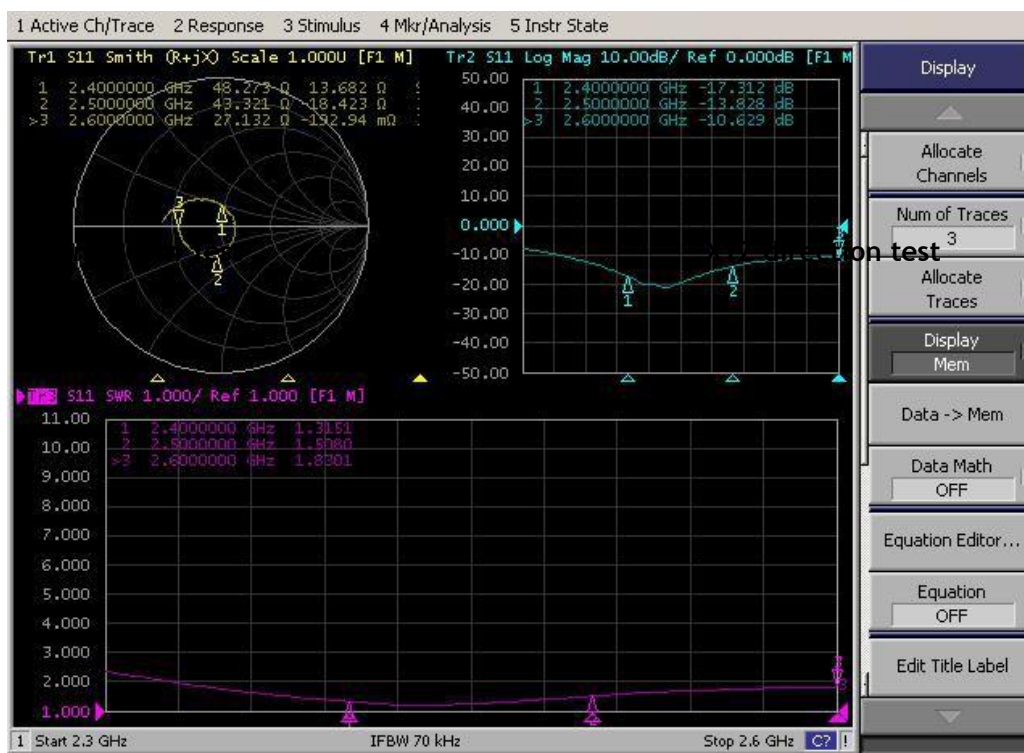
1. Photos

2. Parameters

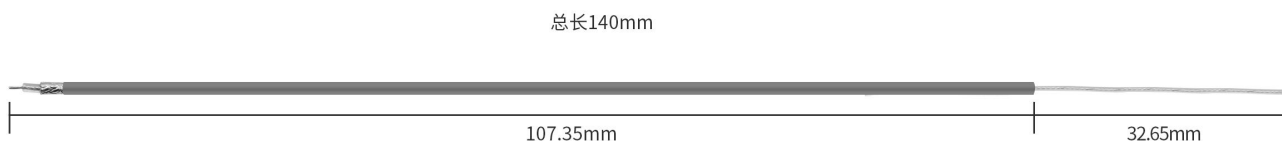
Test parameters			
Product Name	2.4Ghz Wire Antenna	Model No	DL030-01
Electrical Specifications			
Frequency Range	2400MHz~2500MHz	Polarization	Vertical
Input Impedance	50 Ω	Radiation direction	Omnidirectional
VSWR	≤ 1.5	Max. Power	50W
Gain	2 dBi	Bandwidth	100MHZ
Mechanical Specifications			
Dimensions	140mm \pm 3mm	Radome Color	Silver
Connector	Solderable Wire	Cable Length	108 \pm 3mm
External diameter	1.13mm	Wire core	0.3mm
Material	Copper-clad aluminum	Wire diameter	0.6mm
Working Temperature	-40 $^{\circ}$ C~+85 $^{\circ}$ C	Storage Temperature	-30 $^{\circ}$ C~+65 $^{\circ}$ C
Relative Humidity	40~85%		

The information provided by us should be kept strictly confidential, and it is not allowed to disclose to anyone else or other companies, without prior written consent

3. S11 DATA (VSWR, Return loss, Smith)



4. Structure Diagram



5. Environmental reliability experiment report

Item	Test condition	Specification
Storage environment	Tested temperature, humidity and air pressure as following without specifying: 1. The temperature is -30 °C ~ + 80 °C 2. Relative humidity is 45% -85% 3. The air pressure is 86kpa-106kpa	The electrical mechanical performance is normal
High and low temperature test	Perform 5 cycles between 70 °C and 40 °C, then check the appearance quality, under normal conditions 1-2H	The size should meet the requirements for mechanical and electrical performance
Resistant to constant heat and humidity	Test Relative humidity: 95 ± 3%, Test temperature: 40 °C. After continuous 2H running, take out the sample, and measure its electrical properties within 5 minutes, put the sample in a normal condition for another 1-2H, check the appearance quality	The size should meet the standard, and meet for mechanical and electrical performance
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M / S, frequency of sweeping cycle: 30 times	Normal electrical and mechanical performance
Drop test	1M high-altitude free fall 3 times, in the direction of mutually perpendicular axes	Normal electrical and mechanical performance

6. Contact us

Shenzhen DreamLnk Technology Co., Ltd

★ Data collection, Smart home, Internet of Things applications, Wireless remote control technology, Remote active RFID, Antennas ★

Office Add.: Room 603, Unit C, Zone A, Huameiju Business Center, Xinhua Rd., Bao'an District, Shenzhen, Guangdong Province, China

Factory Add.: 5th Floor, Building B, Huazhi Innovation Valley, No. 7 Yuhua Street, 138 Industrial Zone, Tangxia Town, Dongguan, Guangdong Province, China

TEL.: +86-755-29369047

FAX: +86-755-27844601

Mobile: +86 13760215716

Wechat: wsj_james

E-mail: james@dreamlnk.com

Web: www.iot-rf.com