



SPECIFICATION

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

5G FPC Built-in Antenna

Product Specification

Client Name		Frequency Band	703-960/1710-2680/ 3300-3600/4700-5000MHz
Wire Name		Version	A1
Customer's Part Number		DreamLNK's Part Number	DL-F8-5G
RF Designer	James Wang	RF Manager	Knight Ai
Structural Designer		Structural Design Manager	
Technical Director		Date	2020-06-12

Client confirmation:

Whether the product meets your requirements? ☐ OK ☐ NG

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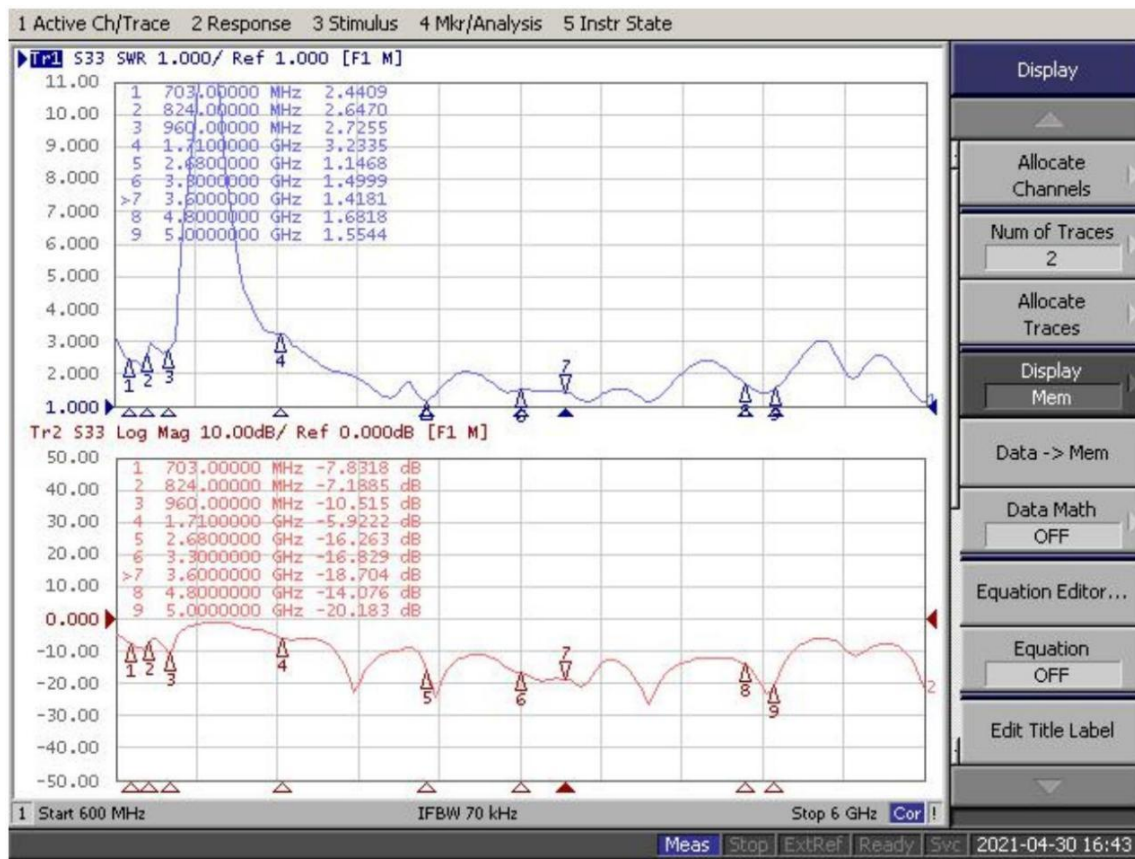
1. Photos



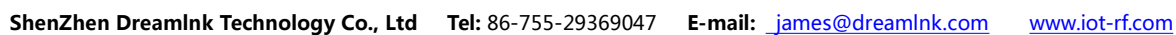
2. Parameters

Test parameters			
Product Name	FPC Antenna	Model No	DL-F8-5G
Electrical Specifications			
Frequency Range	703-960/1710-2680/3300-3600/4700-5000MHZ	Polarization	Linear
Input Impedance	50Ω	Radiation direction	Omnidirectional
VSWR	≤ 2.0	Admitted Power	10W
Gain	3 dBi±0.5		
Mechanical Specifications			
Dimensions	98.5*13.4mm	Radome Color	Black
Connector	IPEX-I	Cable Length	RF1.13 150±3mm
Working Temperature	-20℃-+60℃	Storage Temperature	-25℃-+65℃
Relative Humidity	40~85%		

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



Network analyzer test report



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 ★

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