



SHENGZHEN DIBITONG TELECOMMUNICATION TECHNOLOGY CO.,LTD.

Specification

2.4G WIFI ANTENNA

PART NAME	2.4G WIFI glue stick antenna
ECT P/N	DBT-KZKJ-WIFI-001
APPROVAL REV.	V1.1
DELIVERY DATE	2023. 06. 15
PREPARED BY	Yao Changqing
APPROVED BY	

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Product photos

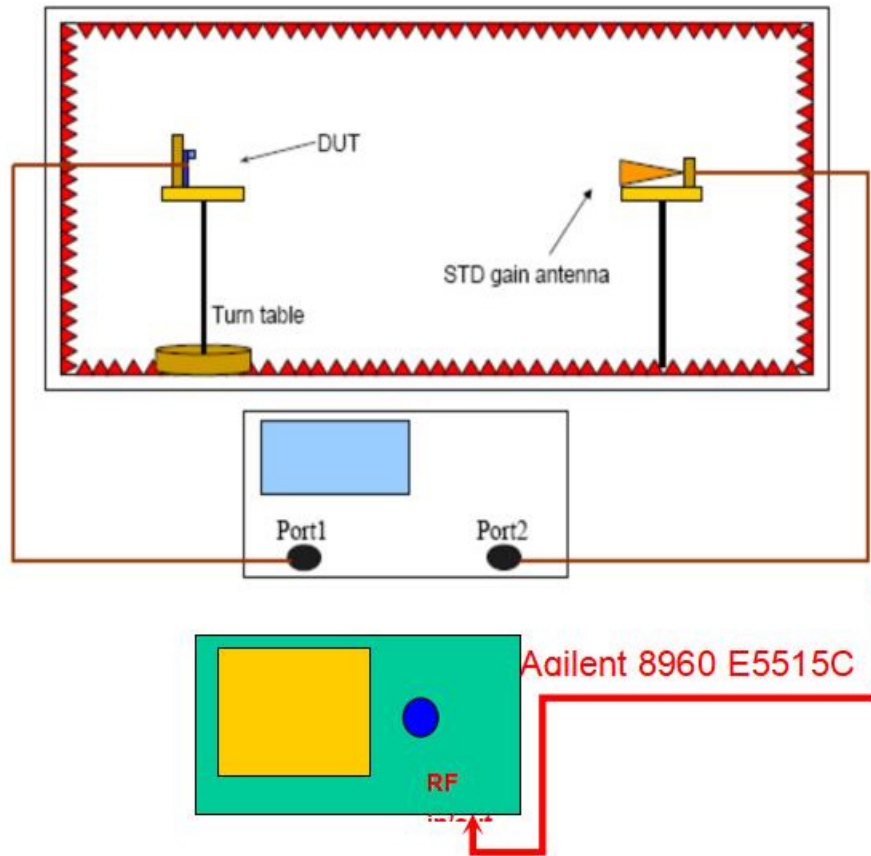


Electrical specifications

DESCRIPTION	VALUE
Frequency range	2400-2500MHz
Impedance	50 Ω
V.S.W.R	≤2. 0
Gain	1.15dBi
Radiating element	1/4 Wave Helical
Polarization	linear Vertical
Admitted power	1W
Connector	SMA
Operating temp	-40℃~+85℃
Storage temp	-40℃~+85℃

Dynamic test environment

Test instrument: Agilent8960E5515B+ShieldBox

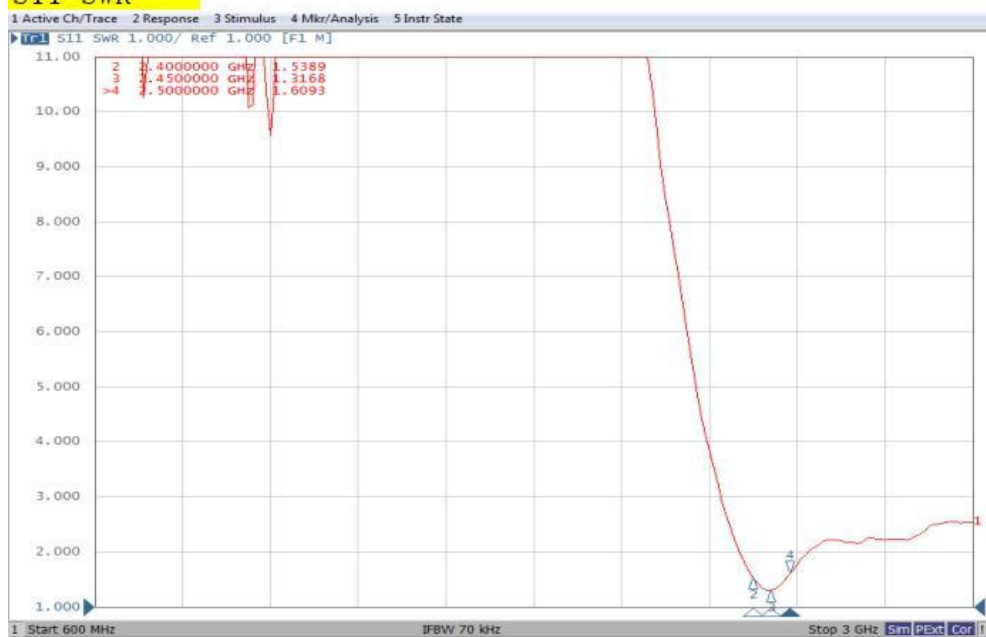


Antenna test data

Active test data			
802.11b : 11Mbps			
Test	Wifi 2G TRP		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	17.96	17.27	17.1
Test	Wifi 2G TIS		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Sens Ave(dBm)	-86.34	-86.9	-86.98
802.11g : 54Mbps			
Test	Wifi 2G TRP		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	16.73	16.27	16.08
Test	Wifi 2G TIS		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Sens Ave(dBm)	-74.62	-73.82	-73.65
802.11n : MCS6			
Test	Wifi 2G TRP		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	16.55	15.74	15.82
Test	Wifi 2G TIS		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Sens Ave(dBm)	-72.18	-72.83	-72.79

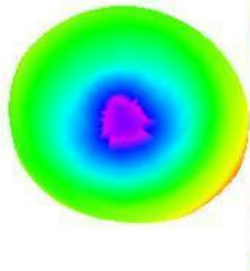
Passive test data

S11-SWR



Directional diagram

2450.000MHz



For the record,

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