

1. Antenna Description:

Antenna type	FPC antenna
Model	Q99
Frequency range	2400-2500MHz
Manufacturer	Dongguan guangjida Acoustics Technology Co.,Ltd.
ANT Peak Gain	4.11 dBi

2. Antenna Photo:

Length :9.94mm
Width:5.40mm



3. Test Equipment & Conditions

3.1 Test instrument

VSWR is tested using Agilent E5071B connected to a hand mechanism, and the status is free space.

3.2 Test environment and methods

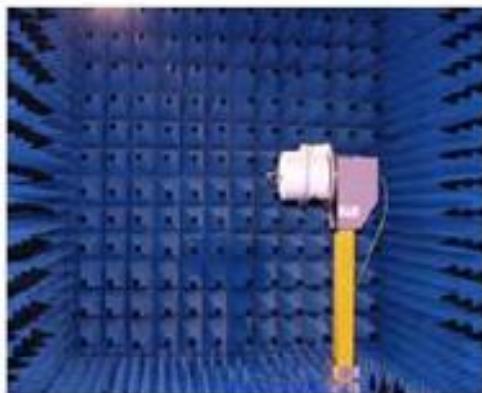
Dark room specifications: ETS-743

TD-SCDMA test equipment: [StarPoint SP6010](#)/Agilent 8960

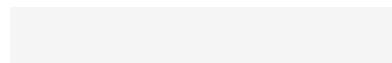
LTE-TDD/FDD-SCDMA test equipment: [StarPoint SP8011](#)/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B



4 . Antenna Radiation Pattern



Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-2.08	-1.94	-2.15
Efficiency (%)	62	64	61
Gain (dBi)	3.43	4.11	3.67

