

2.4GHz 3216 Chip Antenna: RANT3216F245X02

Application:

WLAN, 802.11b/g, Bluetooth, WLAN, etc...

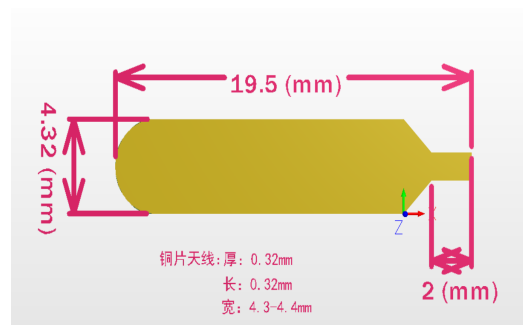
Features

high reliability, ultra Impact, Omni-directional...

Part number Information

RANT 3216 F 245 X 02
(A) (B) (C) (D) (E) (F)

(A)Product Type	Copper sheet antenna
(B) Size Code	19.5mm*4.4mm
(C) Material	High K material
(D) Frequency	2.4 ~ 2.5GHz
(E) Feeding mode	PIFA & Single Feeding
(F) Antenna type	Type=0X



Electrical Specification

Working Frequency Range	2400 ~2500 MHz
Bandwidth	20 MHz (Min.)
Peak Gain	2.7 dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(℃)	-40 ~85℃
Resistance to Soldering Heats	10sec. (@ 280℃)
Termination	Ni / Au (Leadless)

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RAIN International Technology Co., Ltd.

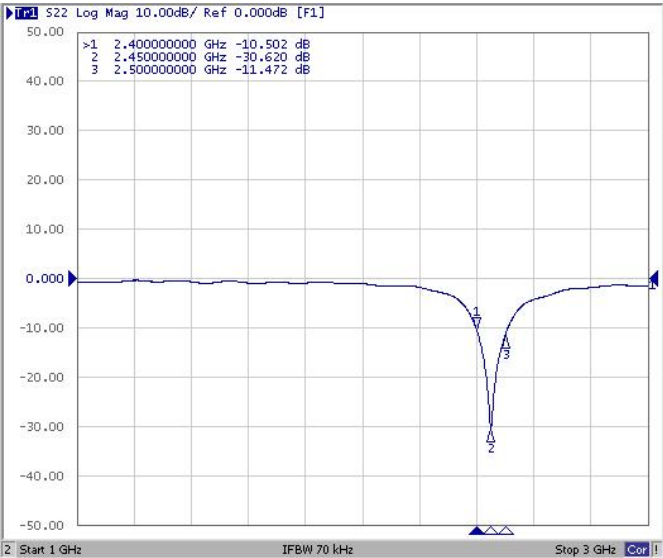
7 / F, Building F, Zhichuang Park, Tong 'an, Gushu, Shenzhen



Electrical Characteristics

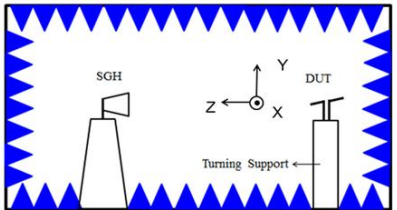
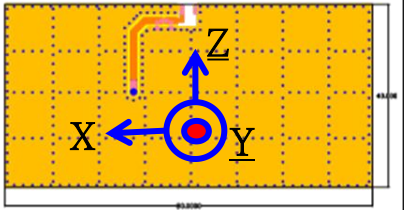
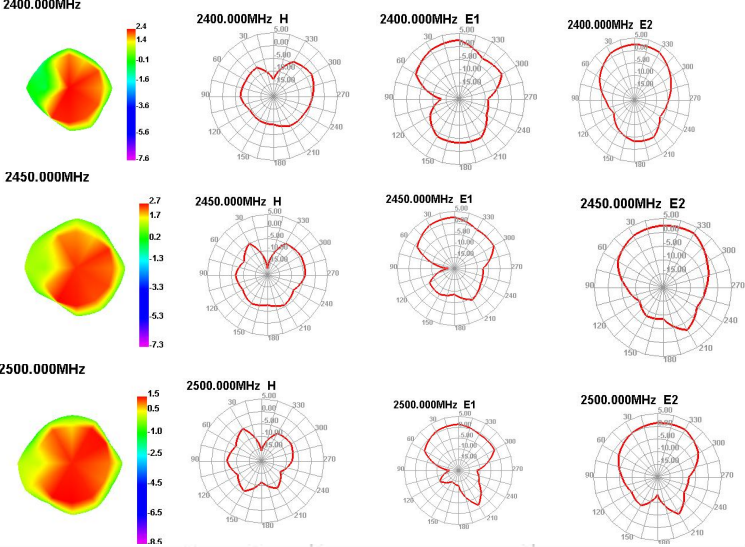
Return Loss & Radiation

Return Loss



Frequency(MHz)	S11 (dB)
2400	-10.50
2450	-30.62
2500	-11.47

Radiation



Frequency(MHz)	2400	2450	2500
Efficiency(dB)	-0.91	-0.61	-1.01
Efficiency(%)	62	65	60
Gain(dBi)	2.4	2.7	1.5