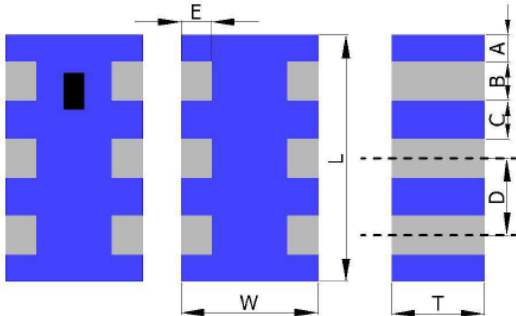


Antenna Describe

Antenna	Internal Antenna
Antenna Gain	2.7dBi
Frequency Range	2.4Ghz–2.483Ghz
Connector Type	Direct
Manufacturer:	SHENZHEN CACGO INTELLIGENT CO.,LTD
Address:	1105 Yifenghua Bld, 28 Yifenghua Innovation Industrial Park, Dalang street, Longhua district, ShenZhen, China

2: External View Drawing

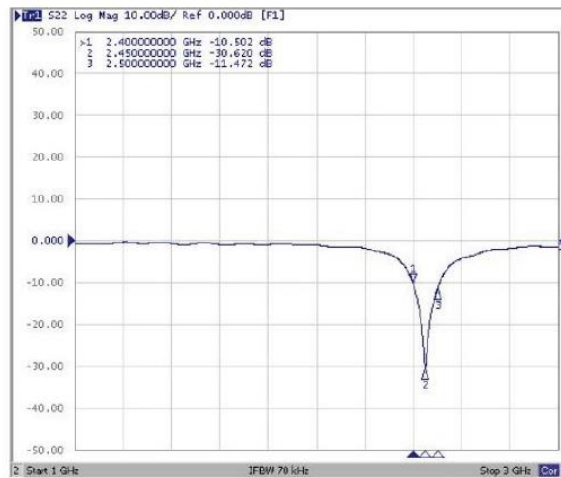
Antenna Photo & Length (mm)

Figure	Symbol	Dimension (mm)
 Top view Bottom view Side view	L	1.60 ± 0.15
	W	0.80 ± 0.15
	T	0.60 ± 0.10
	A	0.175 ± 0.15
	B	0.25 ± 0.15
	C	0.25 ± 0.15
	D	0.50 ± 0.15
	E	0.20 ± 0.15

Electrical Characteristics

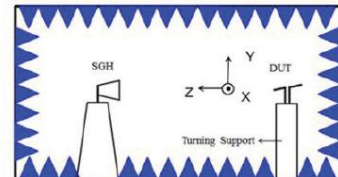
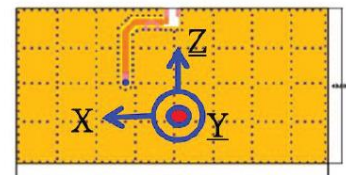
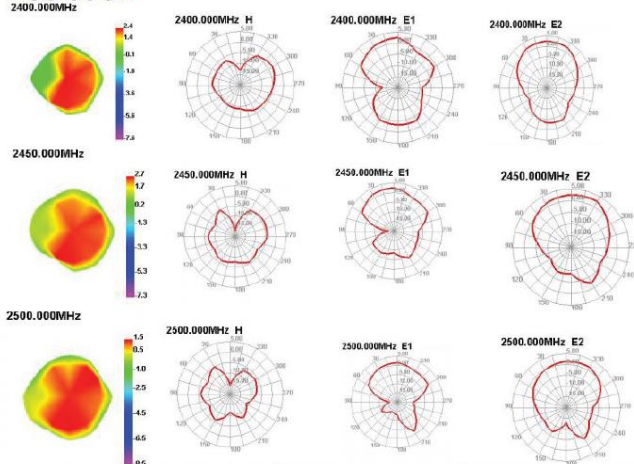
Return Loss & Radiation

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