

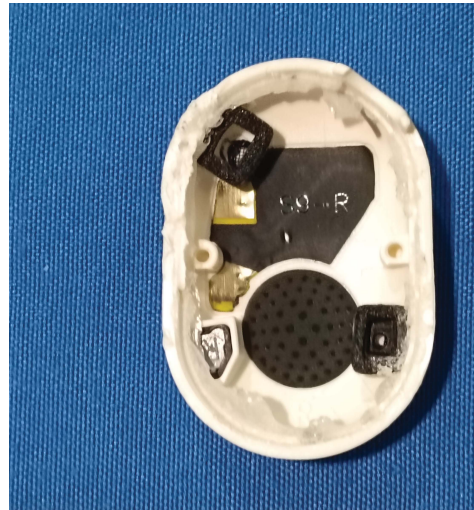
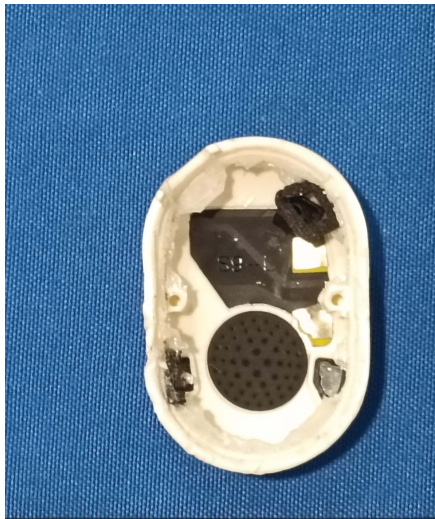
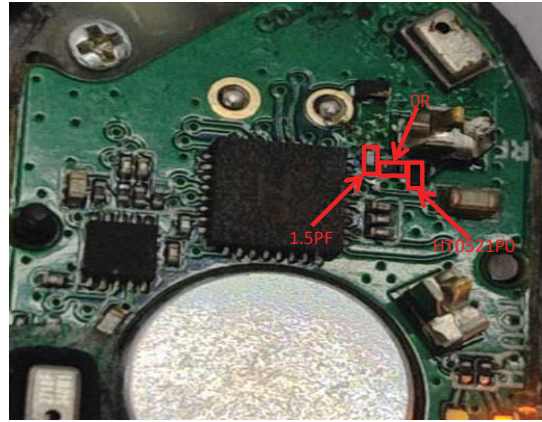
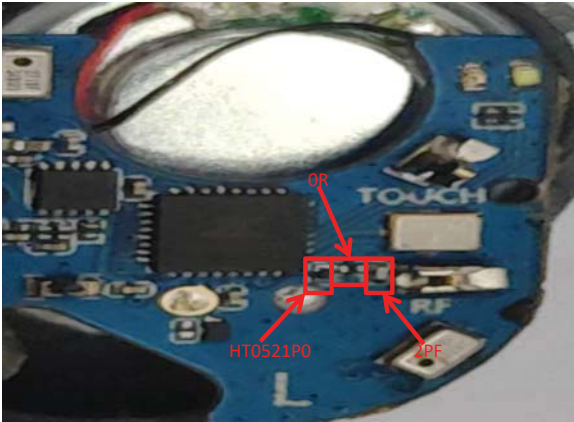
# ANTENNA REPORT

---

## CS-2450-31-A

For 2400-2500MHz  
3.2x1.6mm [EIA1206]

■ FEATURES



■ APPLICATIONS

- Bluetooth
- IEEE802.11g/b
- Zigbee systems, etc...

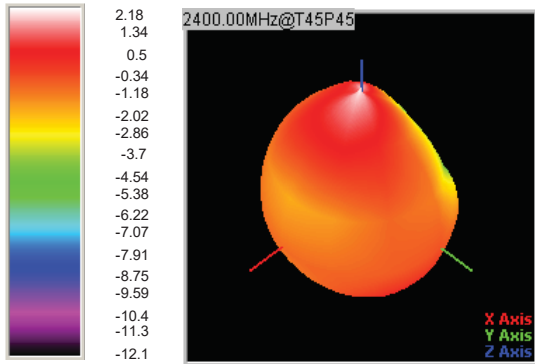
## Electrical Characteristics per line(TA = 25°C)

Parameter	Specification	Units
Frequency Band	2400~2500	MHz
Polarization	Line	
Peak Gain	2.67	dBi
Efficiency	72.30	%
Impedance	50	$\Omega$

**RADIATION PATTERNS**

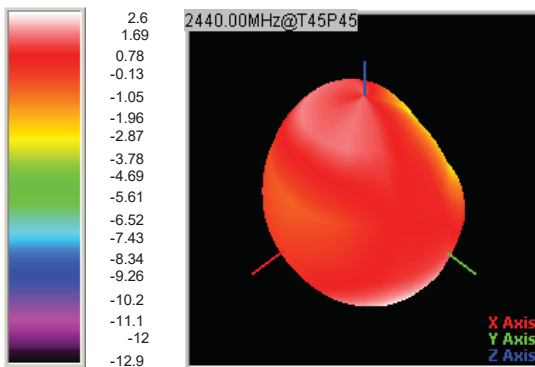
2.4GHz WLAN BAND

3D Gain Pattern (2400 MHz)



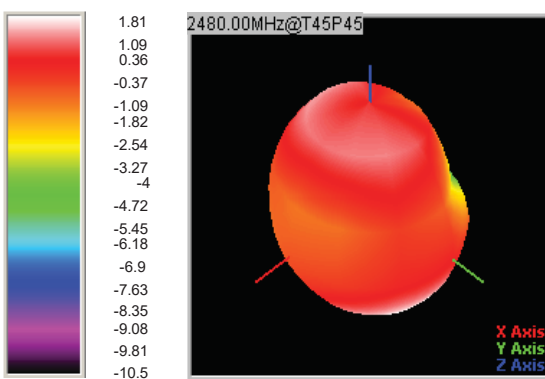
Freq (MHz)	Effi (%)	Gain (dBi)
2400	74.8	2.67

3D Gain Pattern (2440 MHz)



2440	71.23	2.16
------	-------	------

3D Gain Pattern (2480 MHz)



2480	64.42	2.42
------	-------	------