

SenseCAP Watcher

PRODUCTS

Part No.	Weight	Dimensions (L x W)	Cables Dimensions	Connector	Color
318021008		23.06*17.49mm	Φ 1.13*46.5mm	IPX1	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	2400-2500
VSWR (Max)	2.5:1
Peak Gain, dBi (Typ)	Up to 2.38dBi
Peak Efficiency,%	Up to 55.98%
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear
Color	Black
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	REACH/RoHS Compliant

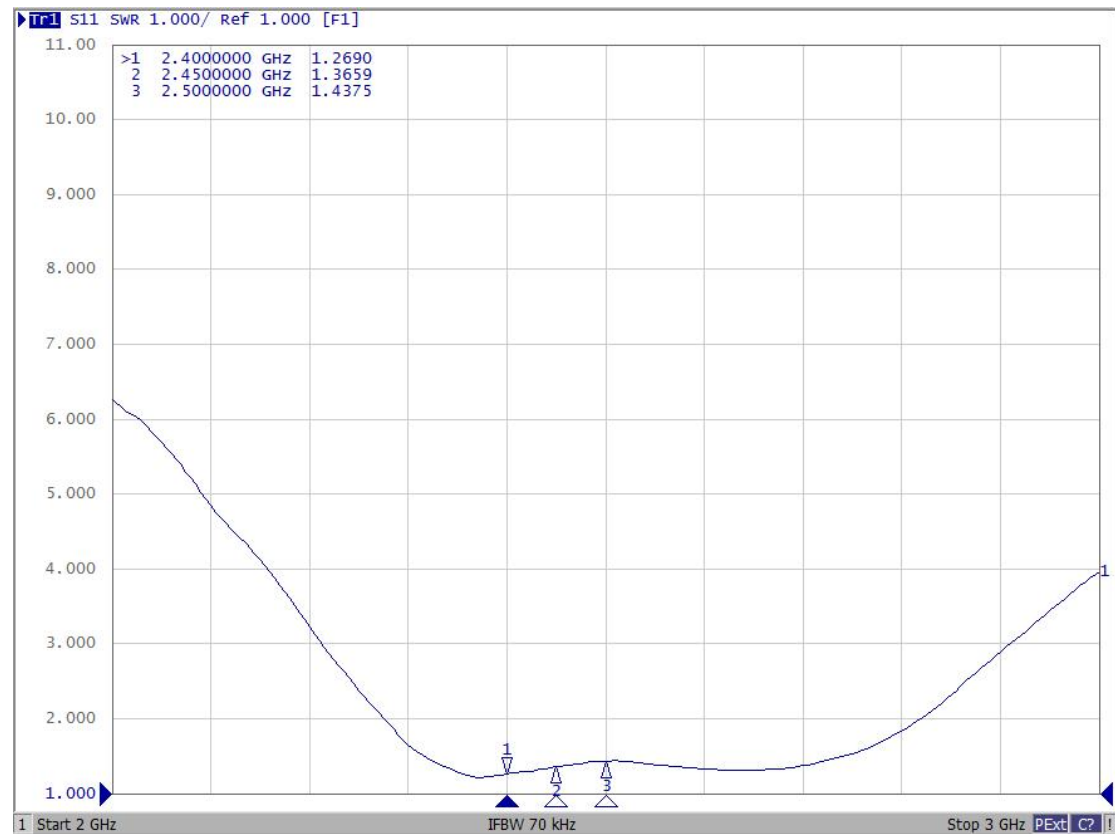
MyAntenna RF Technology Co., Ltd

ADD: A410, Country Garden Fenghuang Wisdom Valley, 50 Tiezai Road, Baoan District, Shenzhen

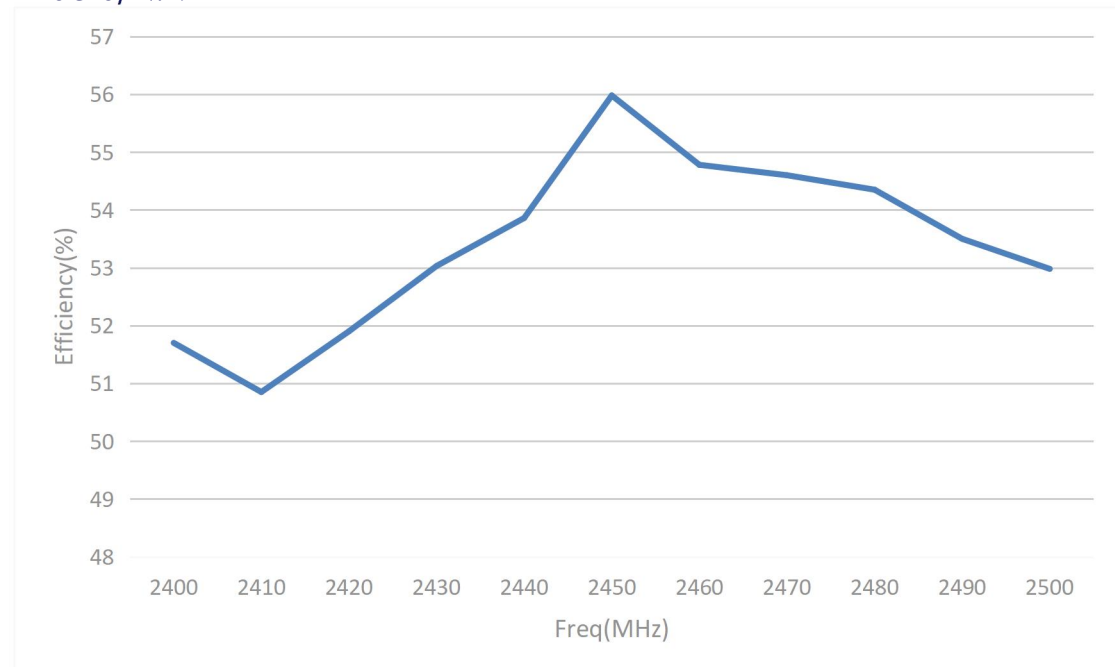
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL DATA

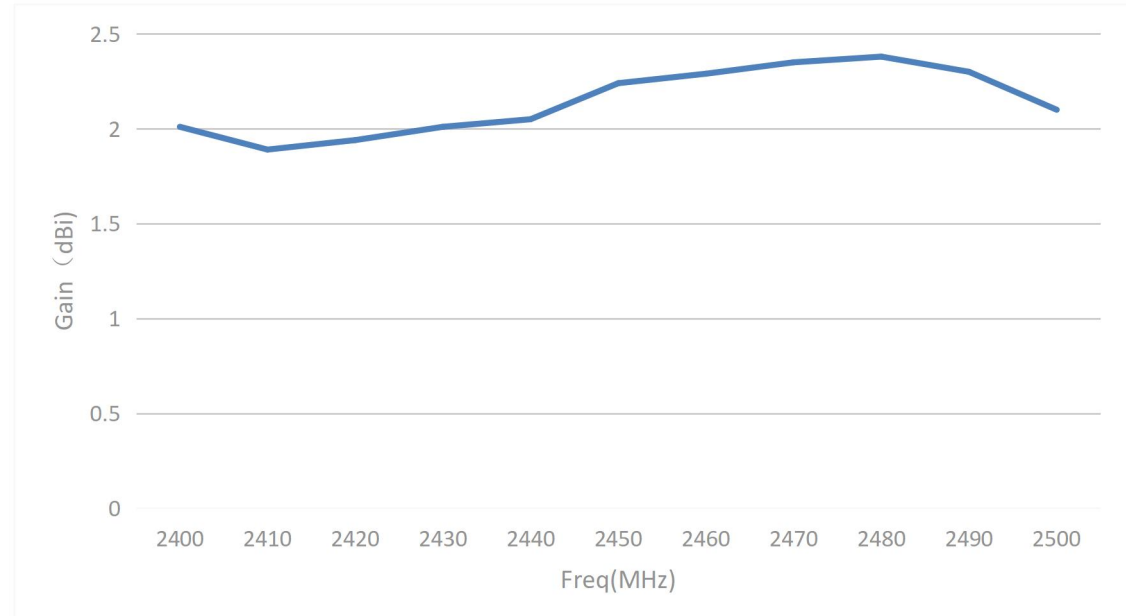
VSWR



Efficiency (%)



Gain (dBi)

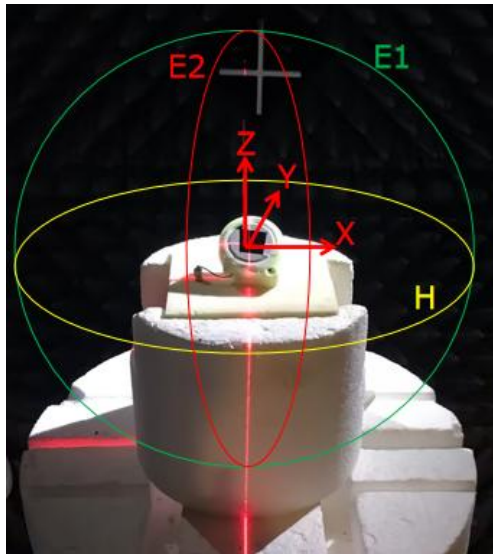


Freq(MHz)	Gain (dBi)	Efficiency(%)
2400	2.01	51.70
2410	1.89	50.85
2420	1.94	51.90
2430	2.01	53.03
2440	2.05	53.86
2450	2.24	55.98
2460	2.29	54.78
2470	2.35	54.60
2480	2.38	54.35
2490	2.30	53.50
2500	2.10	52.98

ACTIVE DATA

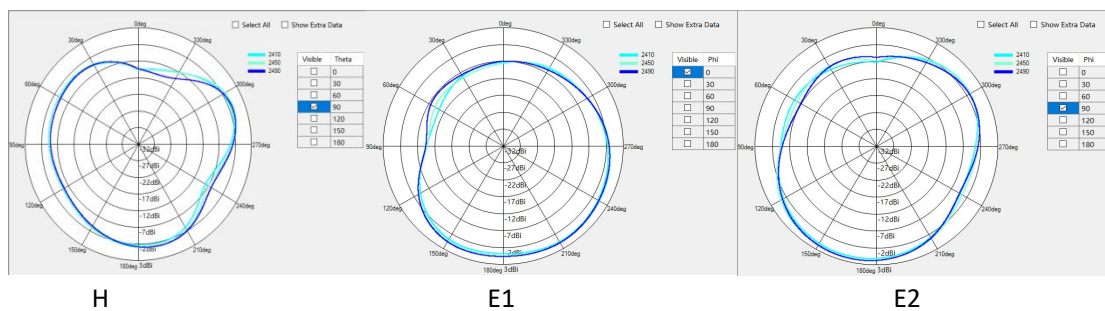
	Chan	Freq	TRP	Chan	Freq	TIS
11b (11M)	1	2412	15.16	1	2412	-86.01
	7	2442	15.17	7	2442	-85.91
	13	2472	15.87	13	2472	-86.59

SCHEMATIC DIAGRAM OF DARKROOM COORDINATES

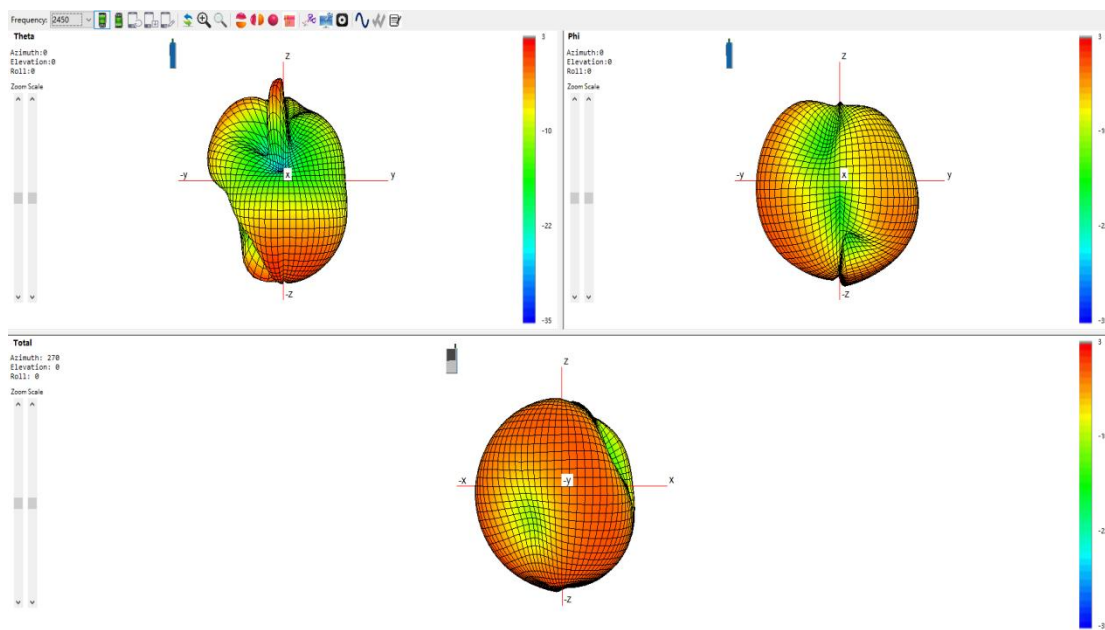


RADIATION PATTERNS

2D Radiation Pattern at 2450MHz Gain=2.24dBi



3D Radiation Pattern at 2450MHz Gain=2.24dBi



HOUSING CONFIGURATIONS

5		6		7		8	
REV.		DESCRIPTION		APPD.		DATE	
A		INITIAL RELEASED		Chen		2024/05/28	

5		6		7		8	
REV.	DESCRIPTION			APPD.	DATE		
A	INITIAL RELEASED			Chen	2024/05/28		
A							