

Data Sheet

CUSTOMER: Protech

MODEL NAME: MH-T01

AWAN P/N: ALP00-000017



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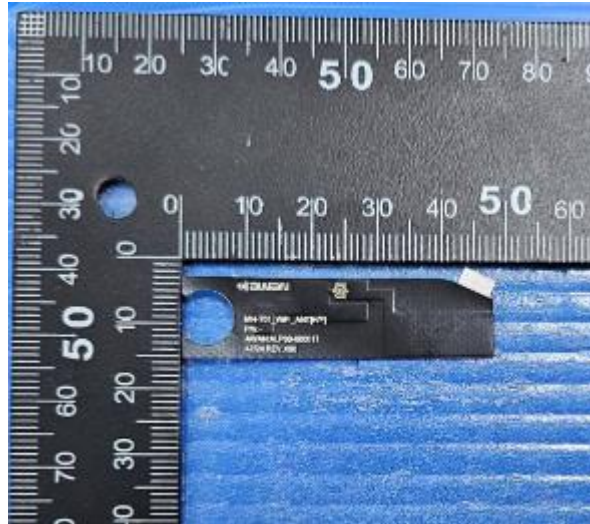
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1. Description

1.1 Specifications

Antennas Type	PIFA Antenna for WiFi 6e application	
Connector Type	IPEX NGFF 4L Connector for 1.13 cable	
Cable Type	OD 1.13 Low Loss Cable	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
Frequency	WLAN 802.11 b/g	2.40~2.50 GHz
	WLAN 802.11 a	5.15~5.85 GHz
	WLAN 802.11 6e	5.925~7.125 GHz
VSWR	WLAN 802.11 b/g	4.0 Max
	WLAN 802.11 a	
	WLAN 802.11 6e	
Peak gain(dBi)	WLAN 802.11 b/g	0.29 dBi
	WLAN 802.11 a	3.54 dBi
	WLAN 802.11 6e	2.82 dBi
Cable Loss	WLAN 802.11 b/g	N/A
	WLAN 802.11 a	N/A
	WLAN 802.11 6e	N/A
Cable length	WLAN (ALP00-000017)	N/A

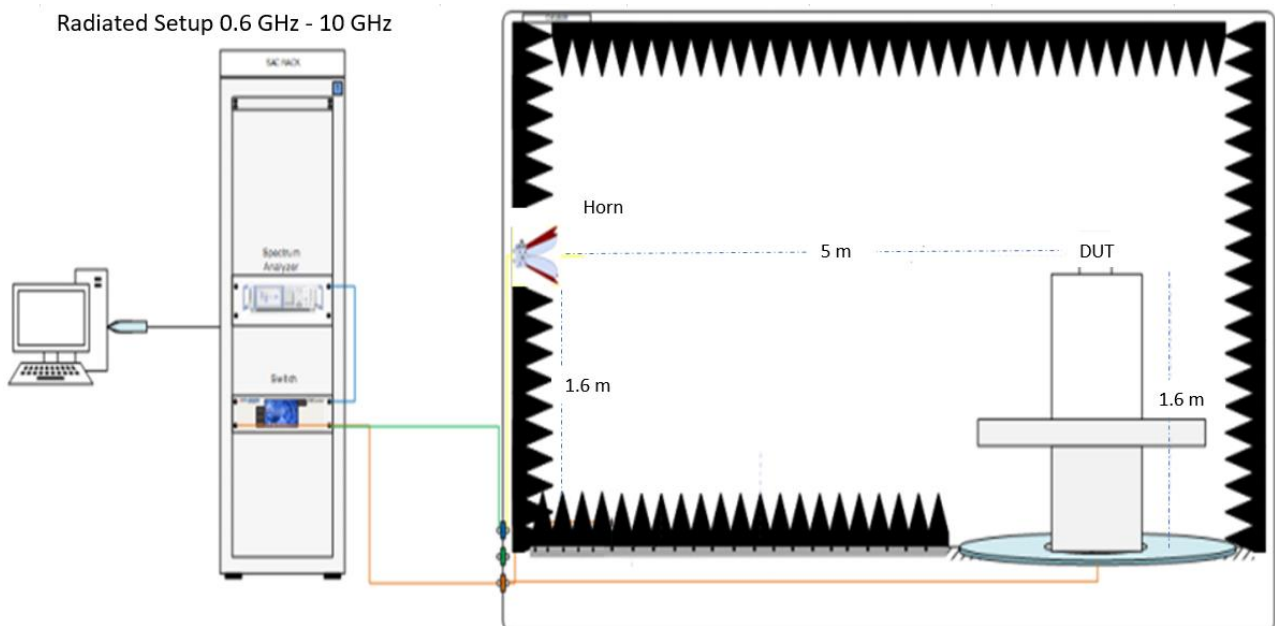
1.2 Antenna Picture



2. Electrical Specification

2.1 Test Equipment

- A. VSWR and input impedance: Rohde&Schwarz ZVB8 VNA 300kHz~8GHz
- B. Antenna gain and efficiency: ETS three-dimensional anechoic chamber



3. Performance Data

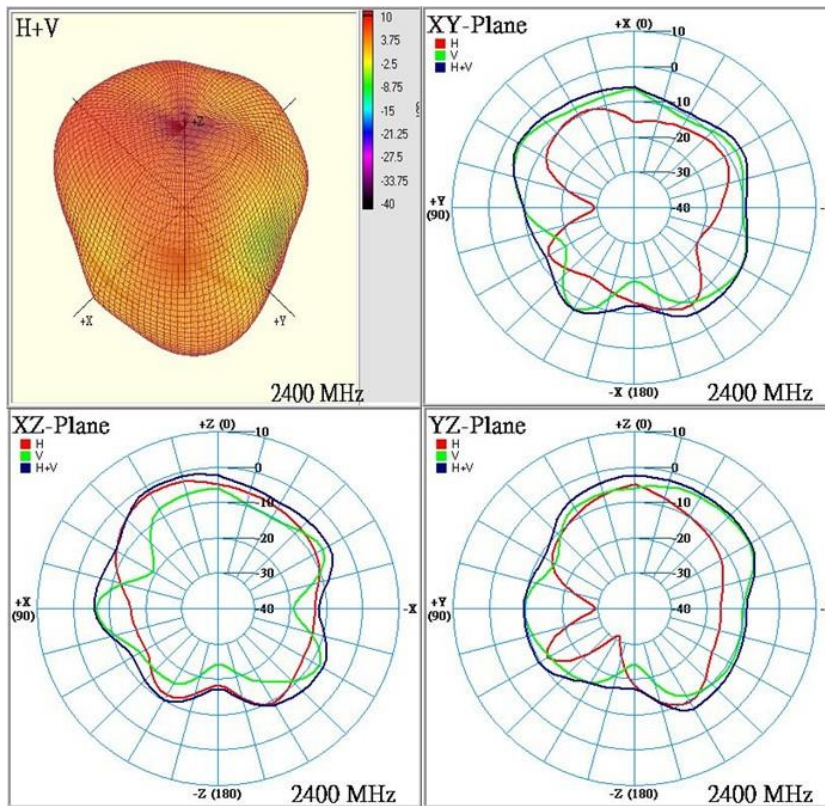
3.1 VSWR



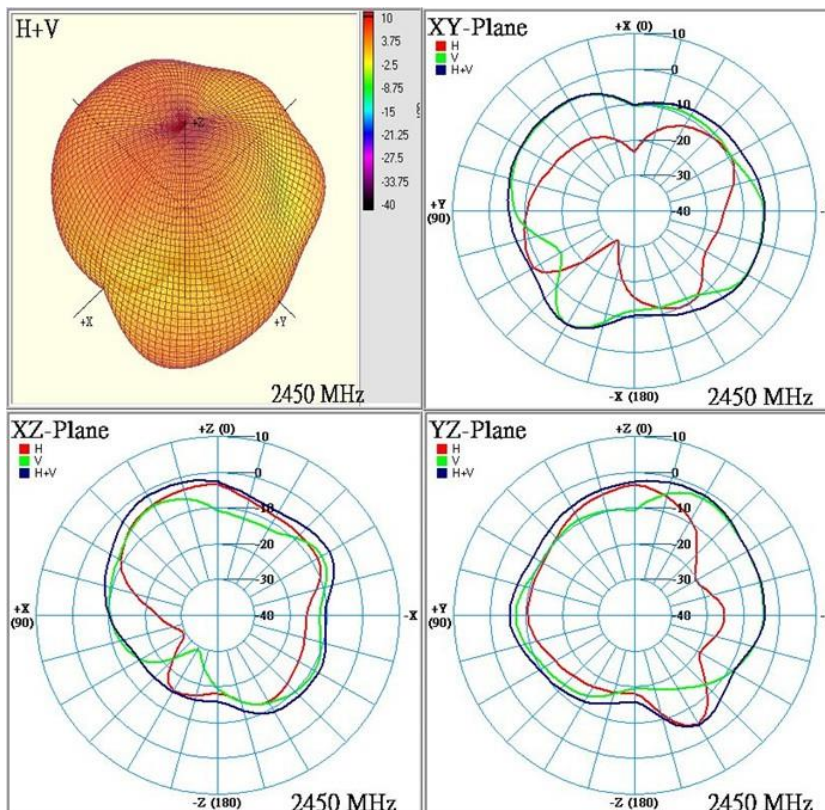
Frequency(MHz)	2400	2450	2500	5150	5550	5850	5925	6550	7125
VSWR	1.83	1.93	2.15	2.10	1.63	1.23	1.11	2.53	2.12

3.2 Radiation pattern

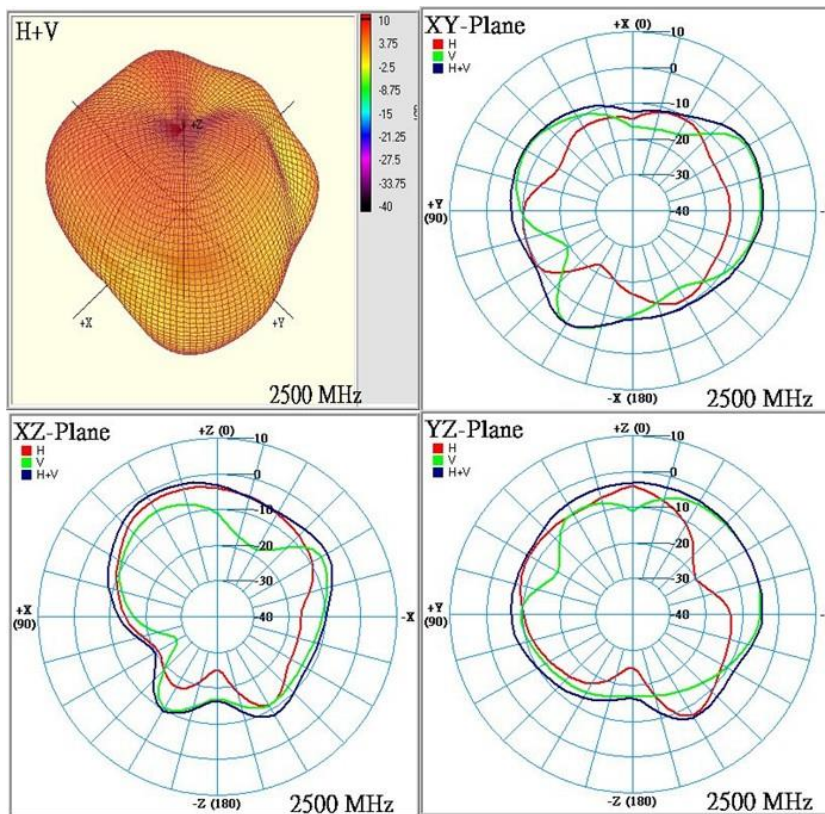
WIFI antenna: 2400 MHz



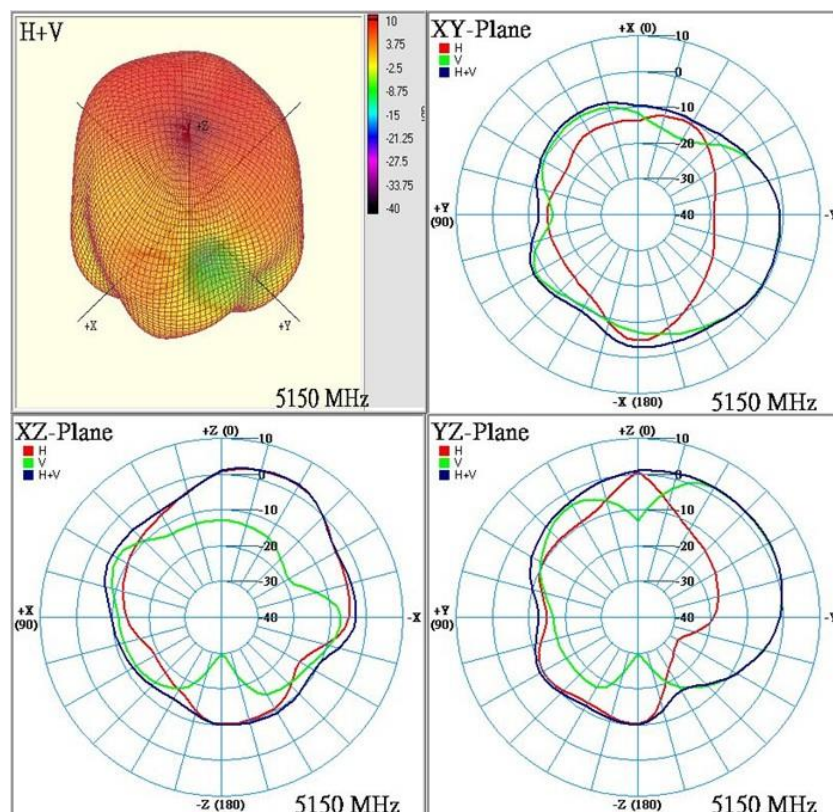
WIFI antenna: 2450 MHz



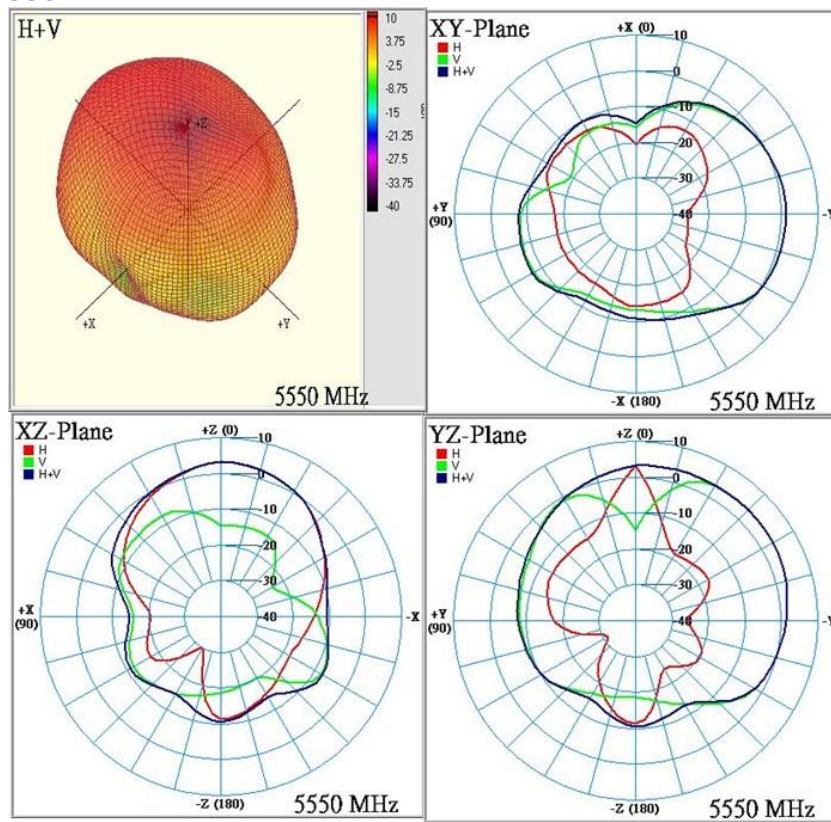
WIFI antenna: 2500 MHz



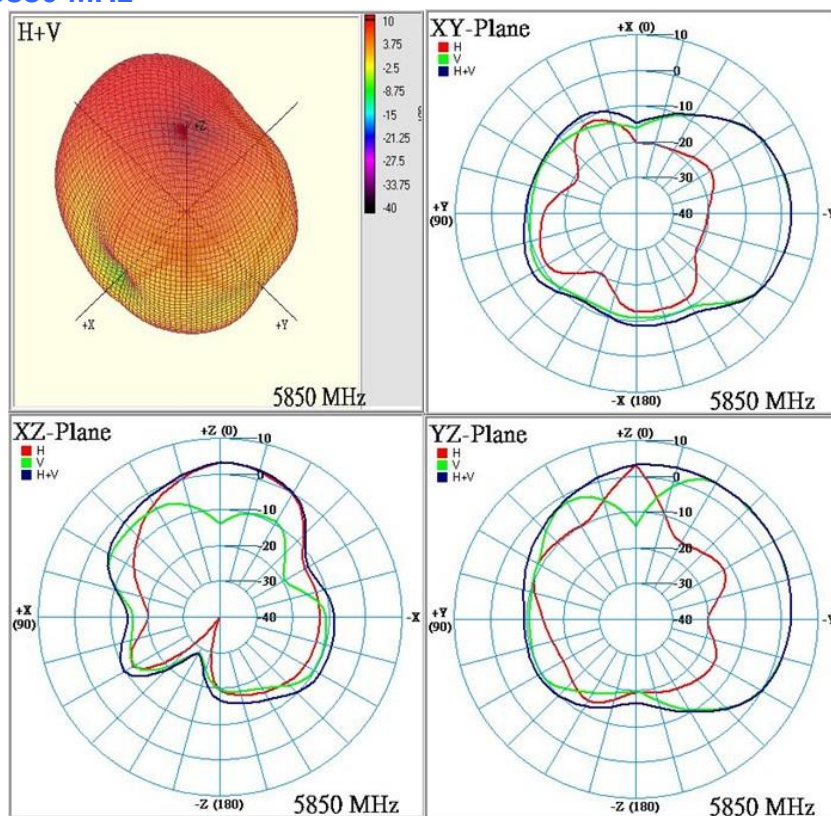
WIFI antenna: 5150 MHz



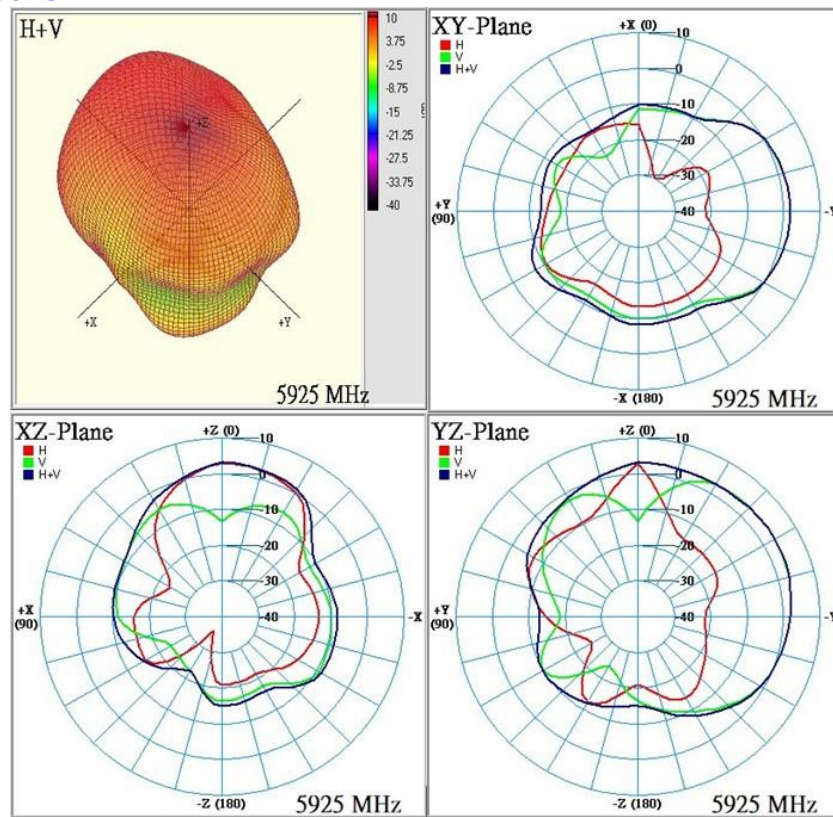
WIFI antenna: 5550 MHz



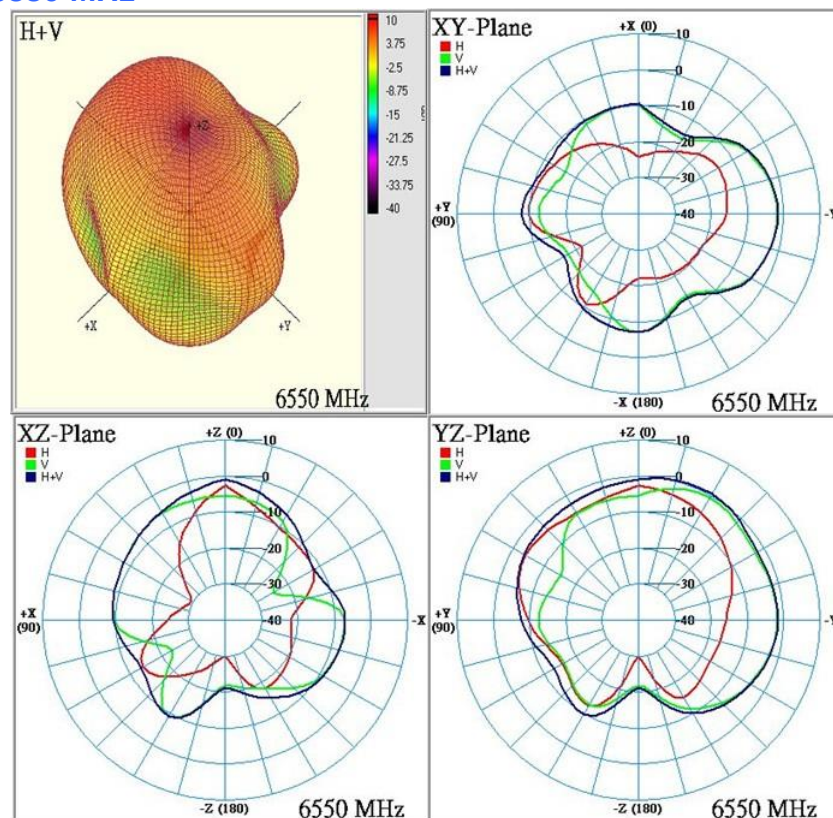
WIFI antenna: 5850 MHz



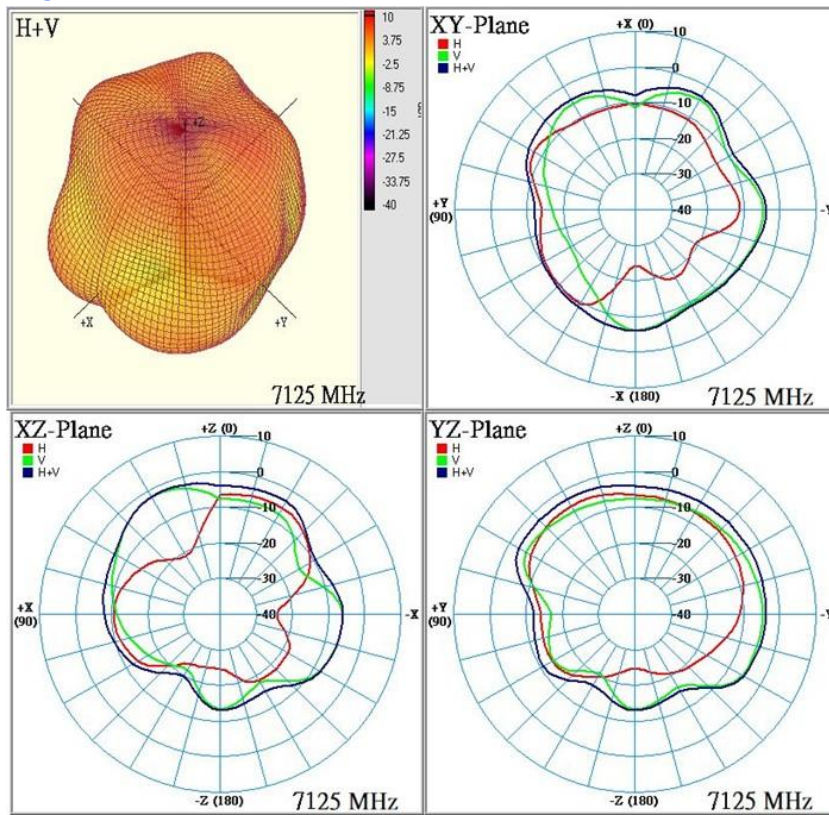
WIFI antenna: 5925 MHz



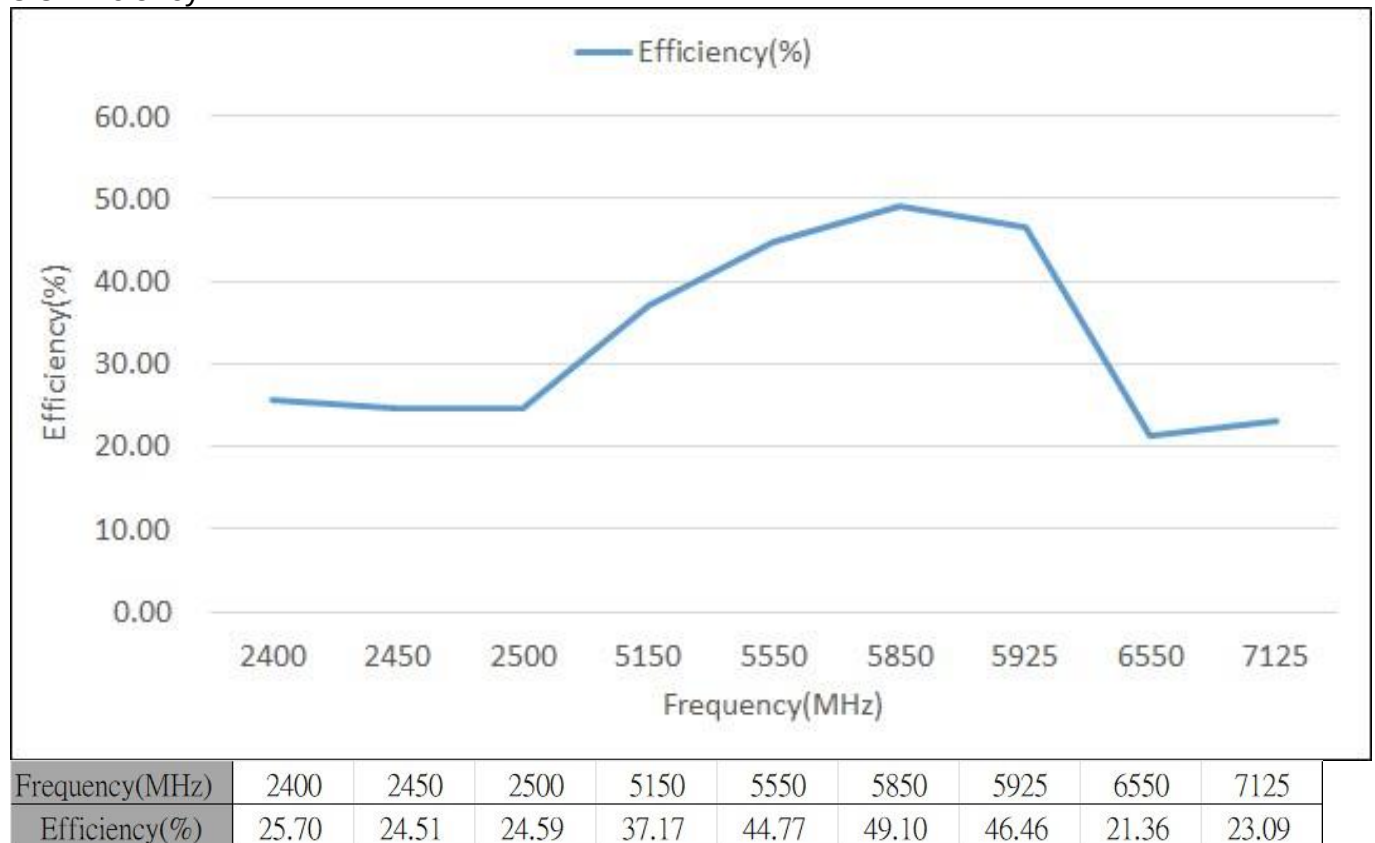
WIFI antenna: 6550 MHz



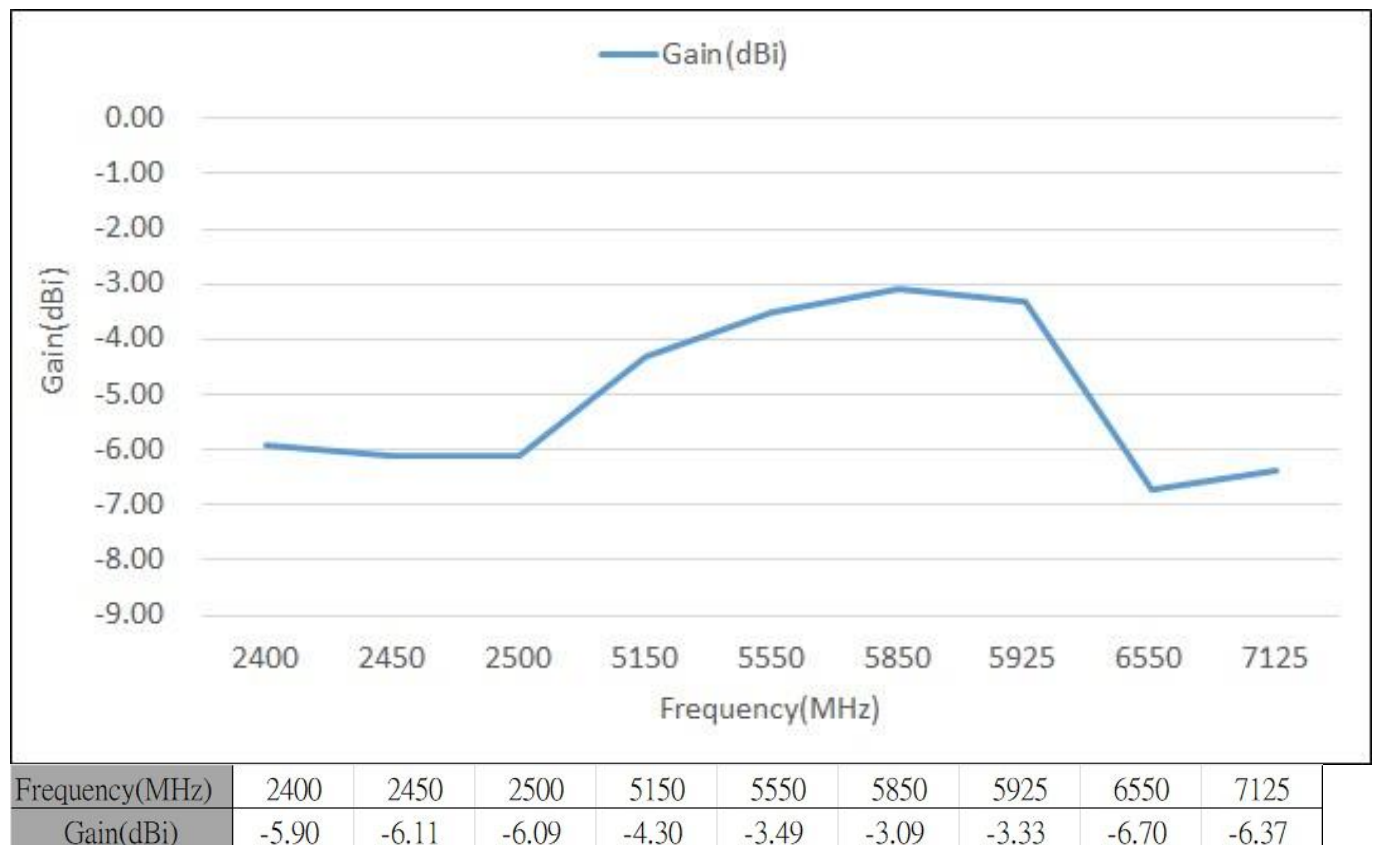
WIFI antenna: 7125 MHz



3.3 Efficiency

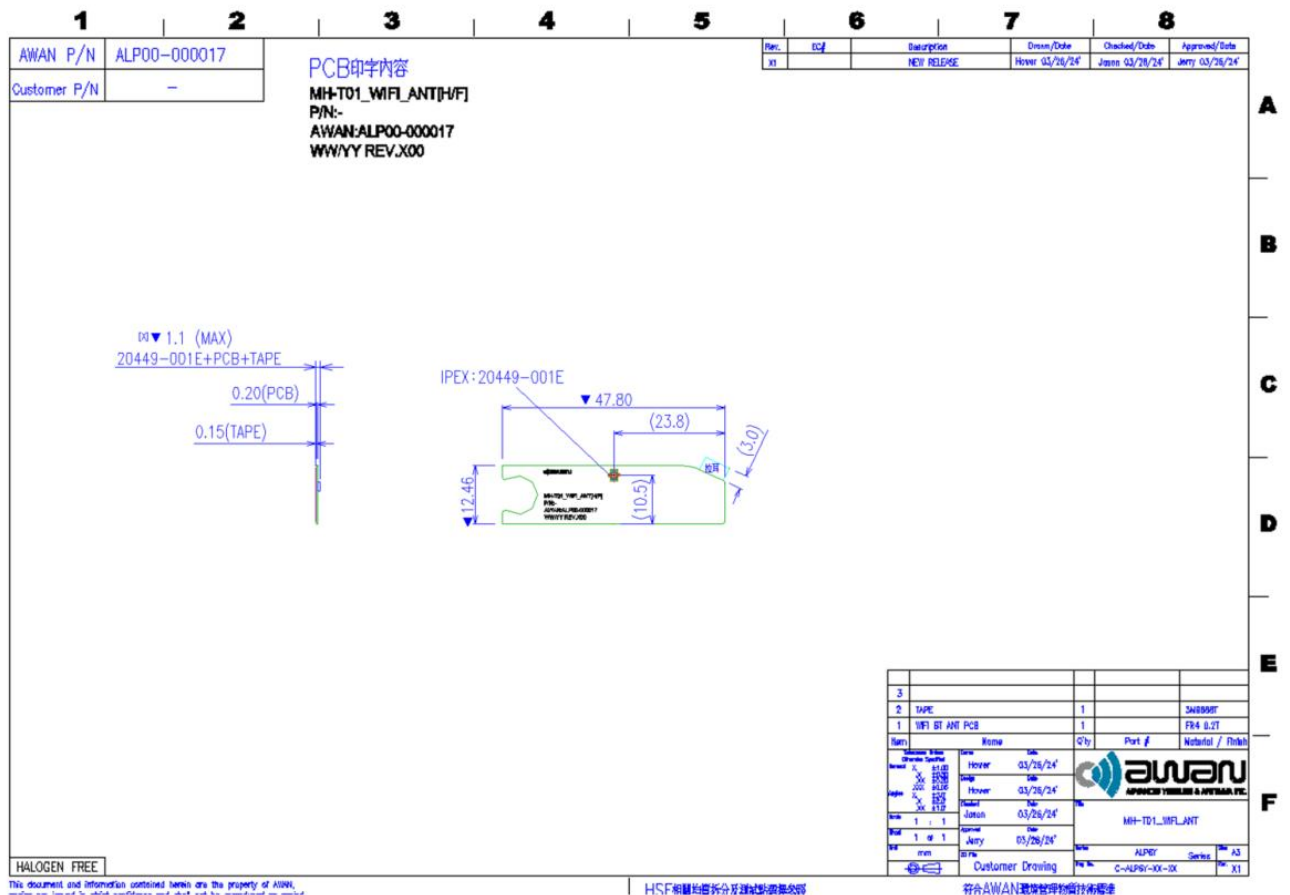


3.4 Gain



4. Mechanical Specification

4.1 Dimension Drawing (WIFI Antenna)



Revision

Revision	Date	Change Notification	Notes
Rev.0	2021-12-23	---	WSFA190004-KS