Features

- Externa l type dipole antenna
- 2.4~2.5&5.15~7.15GHz of frequency
- Plastic rod of Black
- RoHS compliance

Applications

- Wi-Fi 6E Wireless Communication
- WLAN device, WLAN Router, e.g., AP, PIC Wireless Card

Product Description

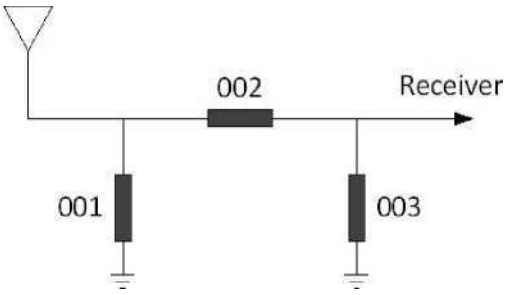
Suzhou Wallys Communication Co., Ltd, this miniature antenna is designed for Wi-Fi 6E applications and can be easily built-in portable devices for SMA Plug. It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

General Data

Symbol	Parameter
Product Name	Wi-Fi 6E Dipole Antenna
Part No.	DRA24126ESBE
Frequency	2.4~2.5&5.15-7.15GHz
V.S.W.R	2.4-1.92max 5.85-2.lmax
Gain (dBi)	2.45GHz@3.0dBi 5.85GHz@4.0dBi
Polarization	Linear,Vertical
Storage Temp	-10° C ∽+70° C
Operating Temperature	-10° C ∽+60° C
Impedance with Matching	50 Q
Weight	6.5 g
Antenna Type	SMA Plug
Dimension	L108.4X (p 11.0 (mm)

Typical Electrical Characteristics

➢ Recommend Matching Circuit



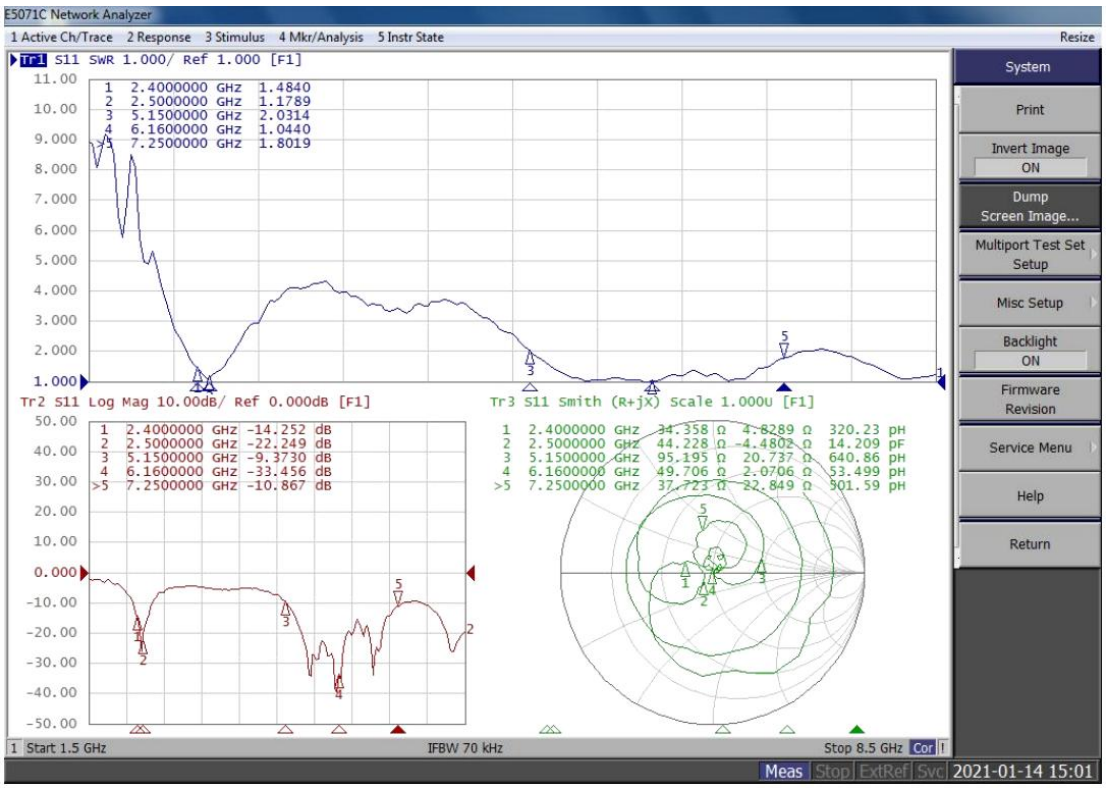
Reference:

001=(N/A)

002=0Ω

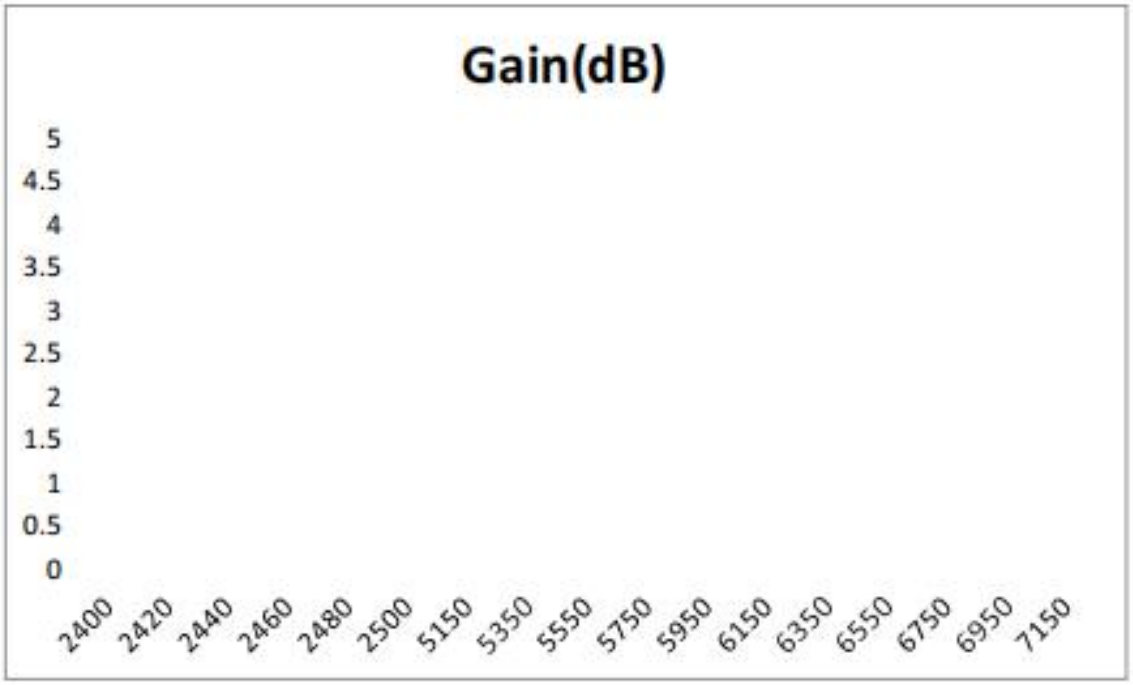
003=(N/A)

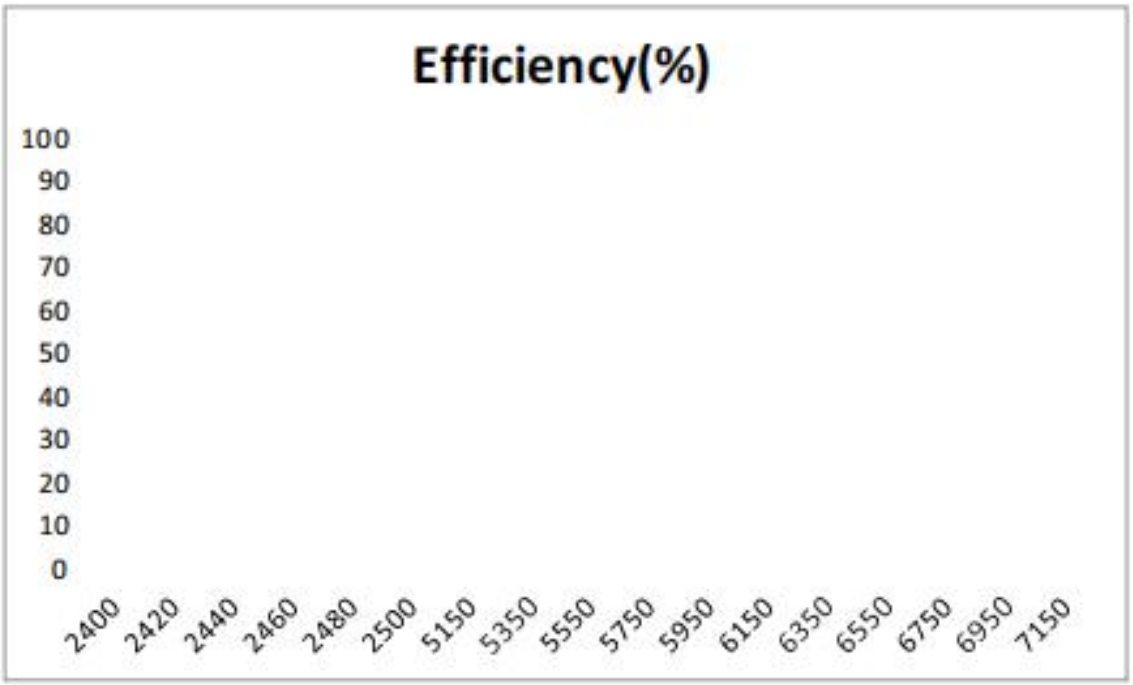
➢ Return loss、VSWR& Smith chart



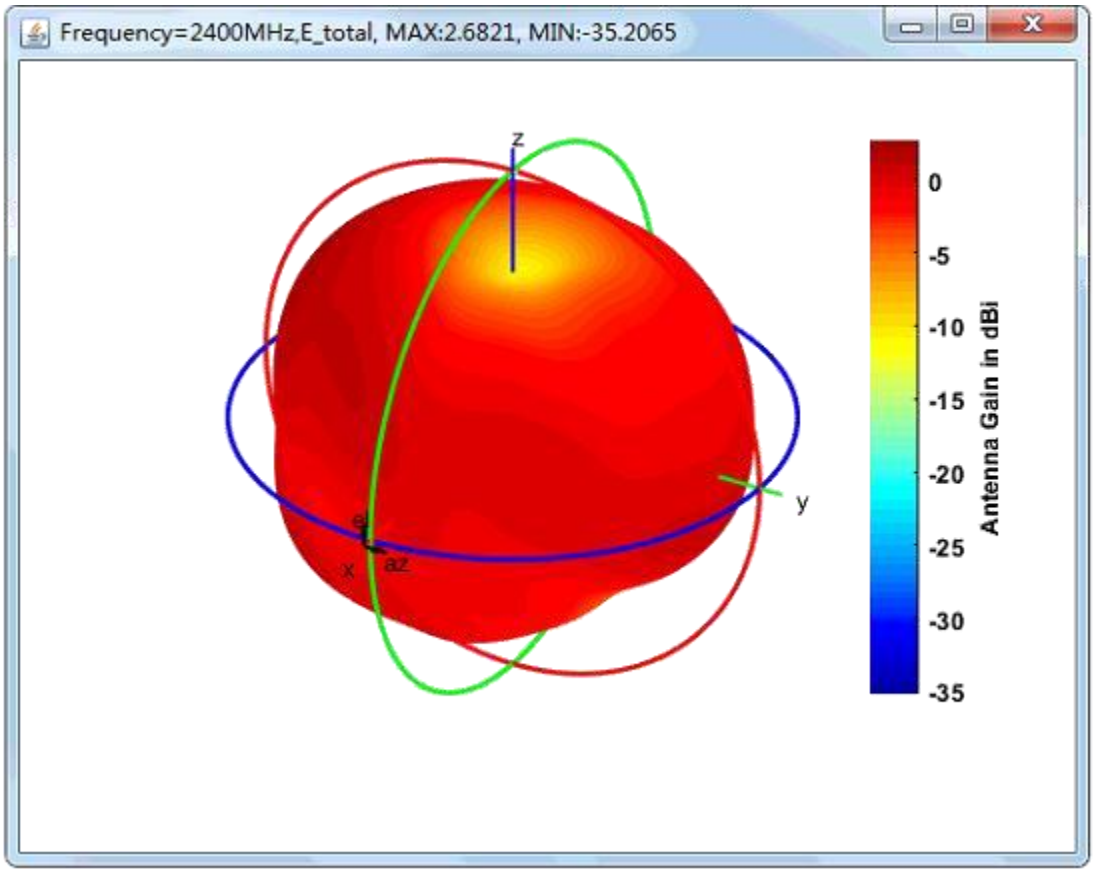
3D Total Data

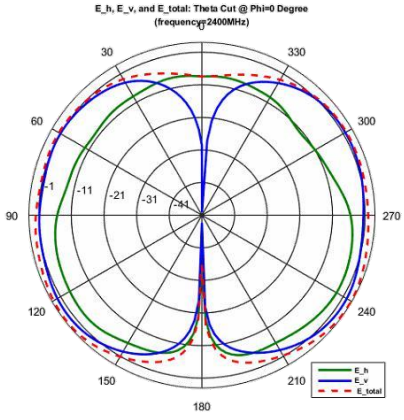
Frequency(MHz)	Directivity (dB)	Gain (dB)	Efficiency (db)	Efficiency (%)
2400	3.359	2. 6821	-0. 6769	85. 5671
2410	3.4772	2.7982	-0. 679	85. 5258
2420	3.5909	2. 9305	-0. 6604	85. 8941
2430	3.5593	2. 9O4	-0. 6553	85. 9936
2440	3.4672	2. 8622	-0. 605	86. 997
2450	3.3496	2. 8955	-0. 4541	90. 0723
2460	3.1475	2. 6653	-0. 4822	89. 4914
2470	3.0237	2. 6879	-0. 3358	92. 5589
2480	3.0453	2. 6113	-0. 434	90. 4894
2490	3.0552	2. 7262	-0. 329	92. 7036
2500	3.018	2.802	-0. 216	95. 1481
5150	4.3868	2.8751	-1.5116	70.6053
5250	4.2906	2.981	-1.3096	73.9679
5350	4.4031	3.1375	-1.2657	74.7197
5450	4.5023	3.3417	-1.1606	76.5489
5550	4.3912	3.2034	-1.1877	76.0722
5650	4.4776	3.515	-0.9627	80.1189
5750	4.1564	3.2011	-0.9553	80.2546
5850	4.2623	3.3517	-0.9106	81.0853
5950	4.0811	3.3699	-0.7112	84.8951
6050	3.8119	3.1033	-0.7087	84.9442
6150	4.2001	3.4082	-0.7919	83.3314
6250	4.4679	3.7058	-0.7622	83.9041
6350	4.6719	3.8586	-0.8132	82.9234
6450	4.6529	3.8967	-0.7562	84.0194
6550	5.0207	4.2624	-0.7583	83.9781
6650	5.0356	4.2527	-0.7829	83.5047
6750	4.9878	4.1824	-0.8053	83.0742
6850	5.326	4.4068	-0.9192	80.9241
6950	5.3767	4.4398	-0.9369	80.5953
7050	5.4479	4.5038	-0.944	80.4634
7150	5.6016	4.4529	-1.1486	76.7604

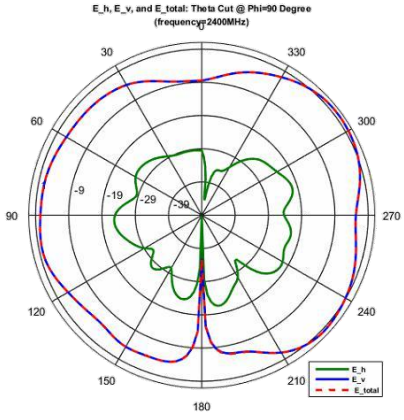

Gain(dB)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
2400
2420
2440
2460
2480
2500
5150
5350
5550
5750
5950
6150
6350
6550
6750
6950
7150

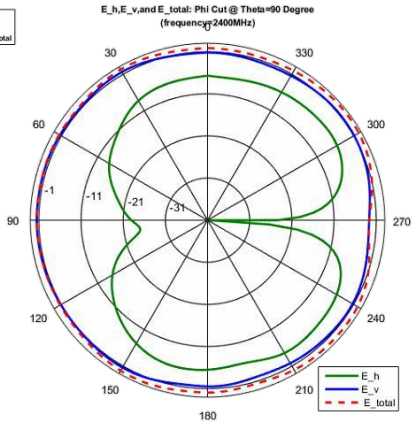

Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
2400
2420
2440
2460
2480
2500
5150
5350
5550
5750
5950
6150
6350
6550
6750
6950
7150

2400MHz 3D&2D Cut

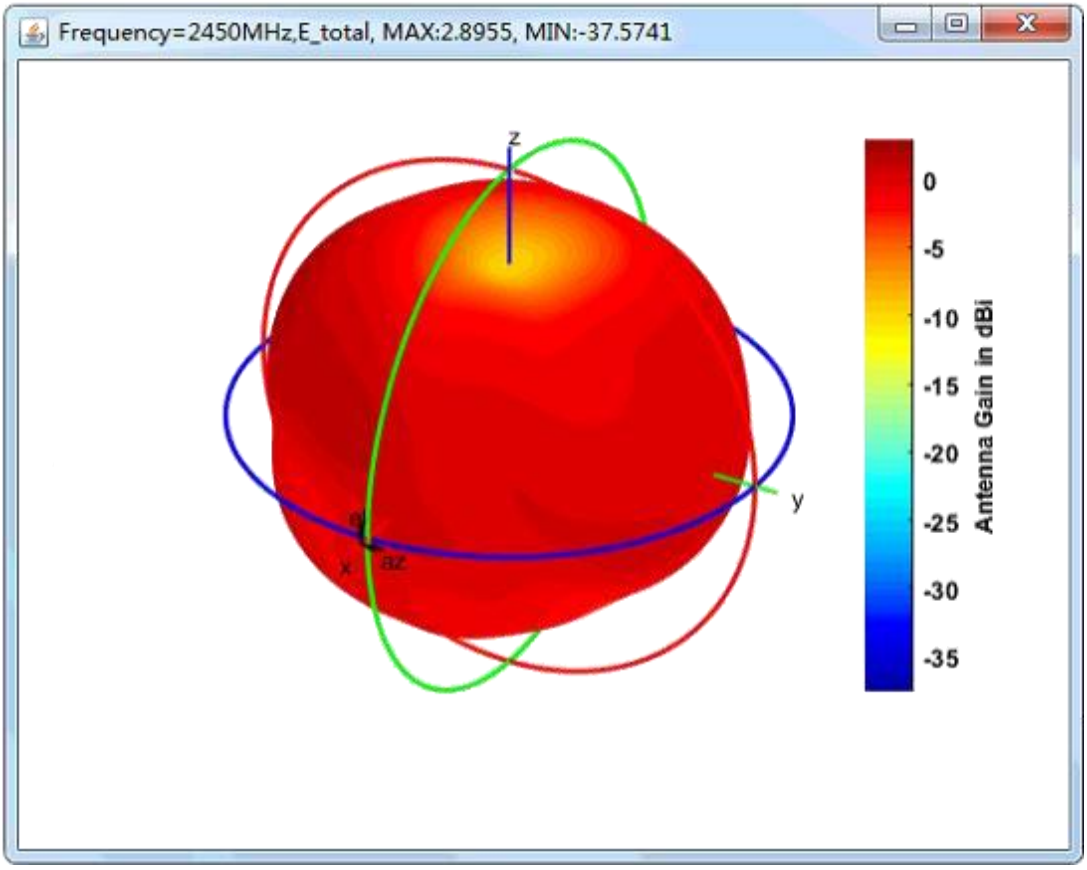


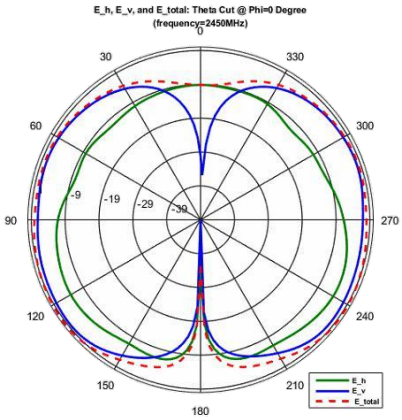


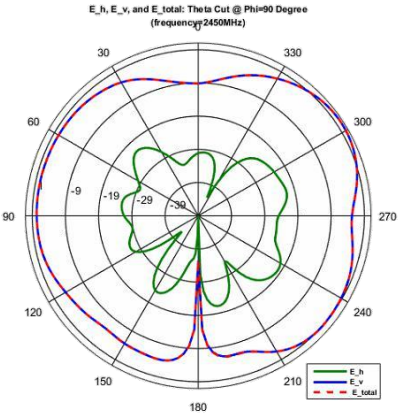


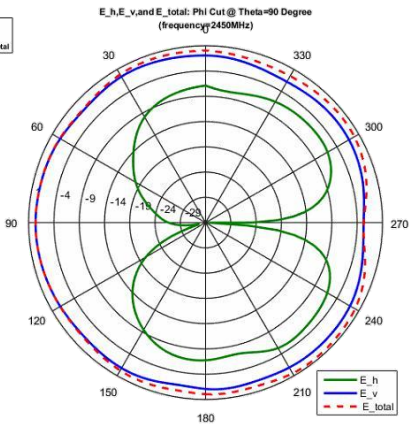


2450MHz 3D&2D Cut

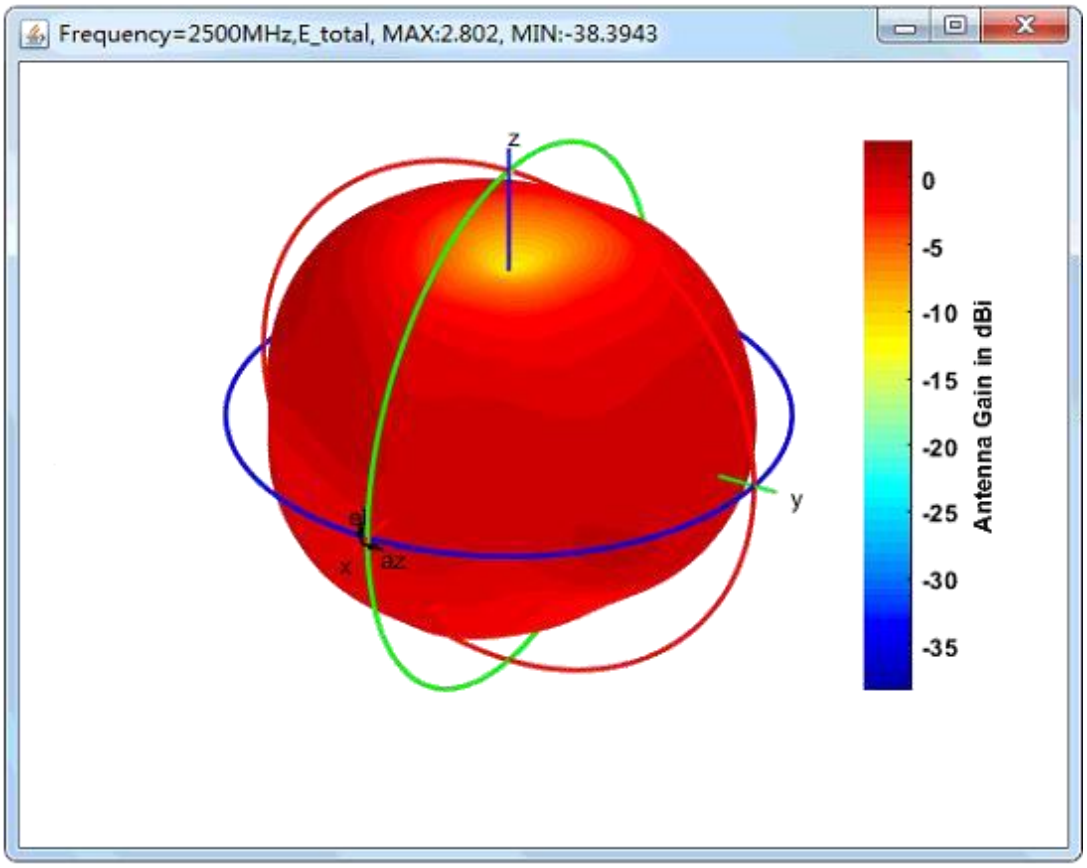


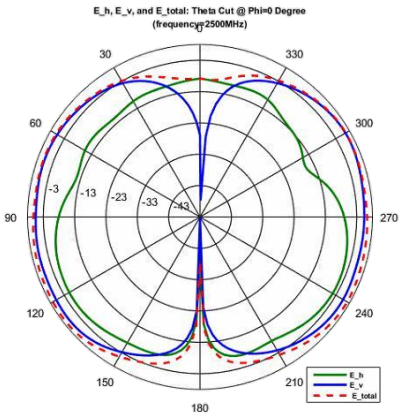


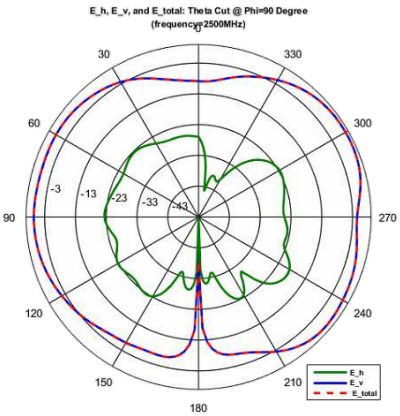


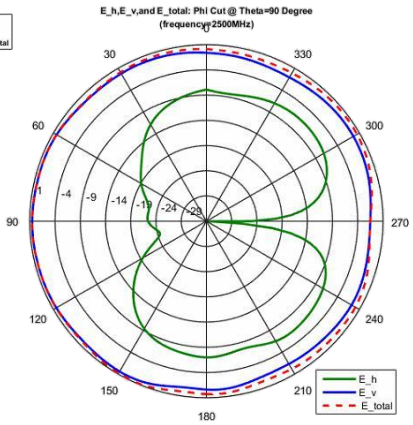


2500MHz 3D&2D Cut

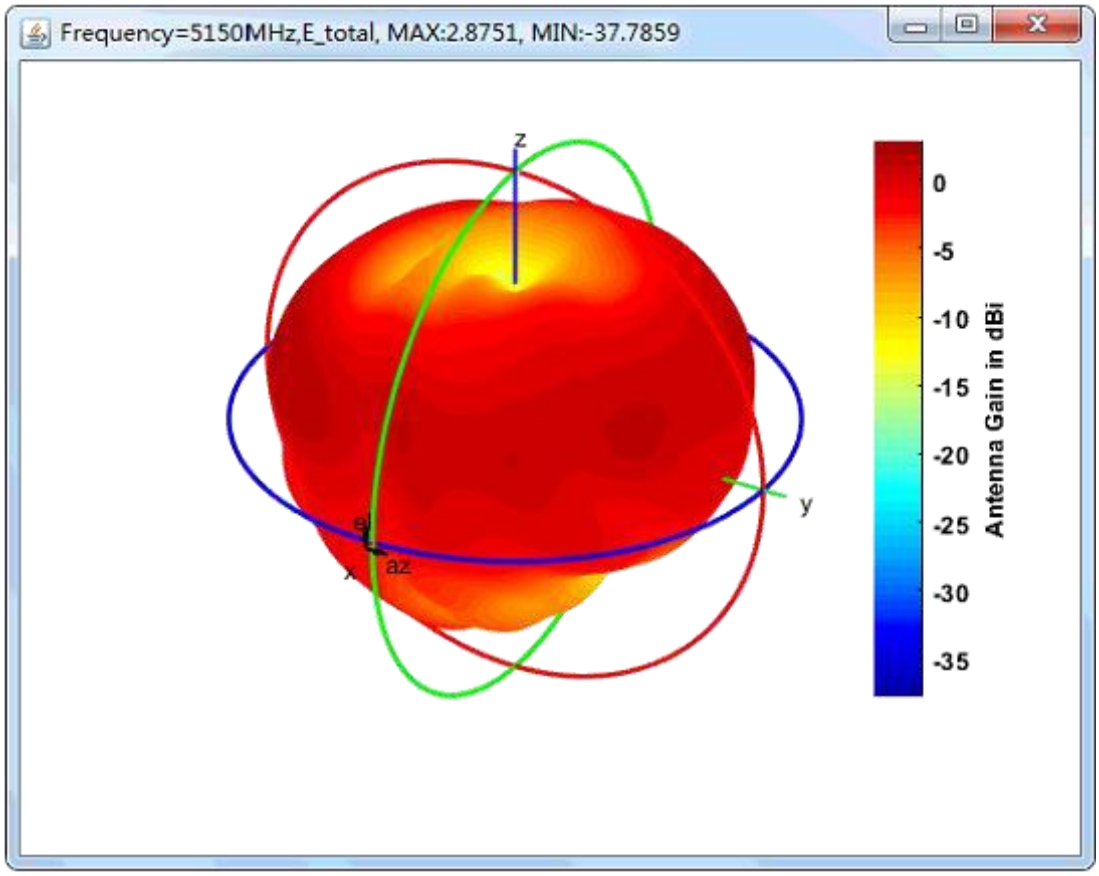


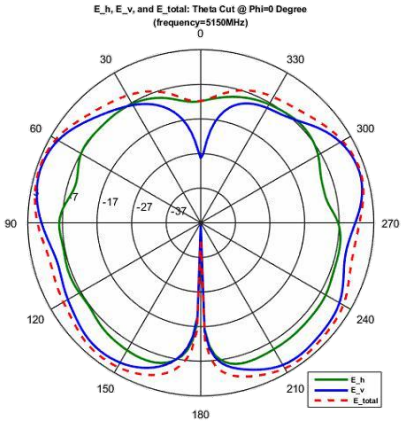


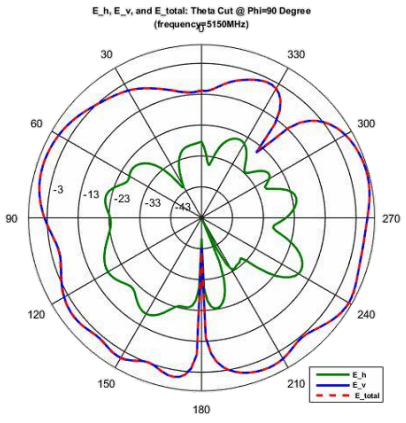


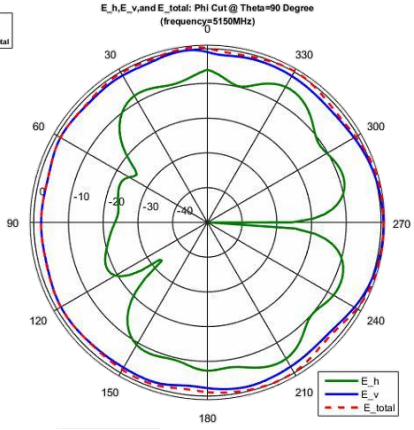


5150MHz 3D&2D Cut

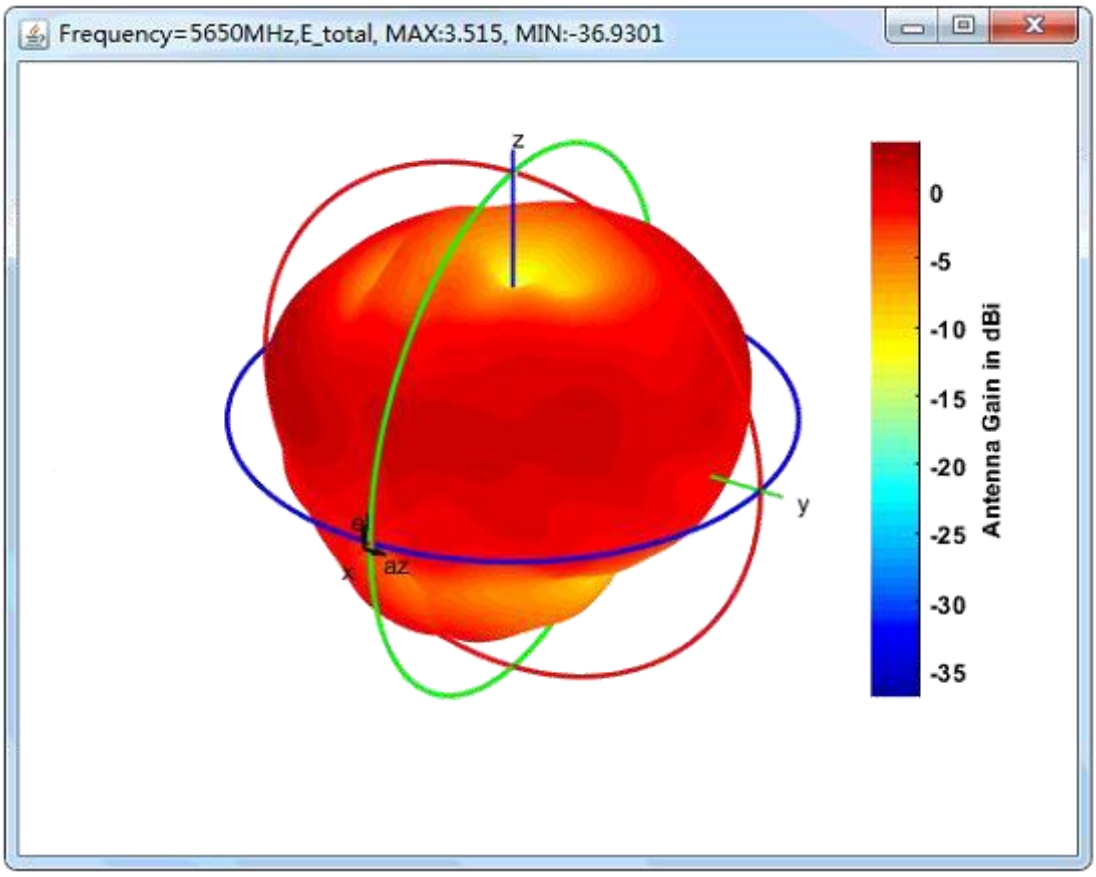


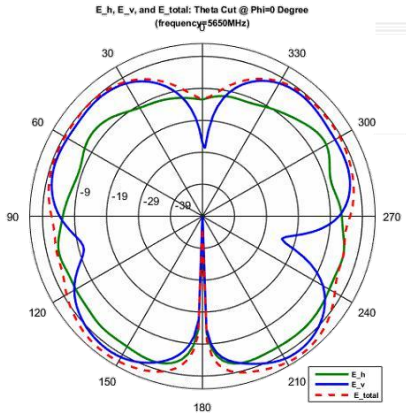


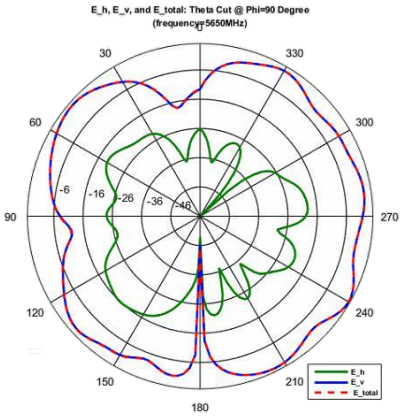


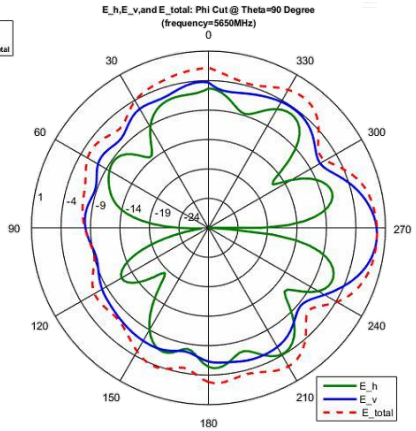


5650MHz 3D&2D Cut

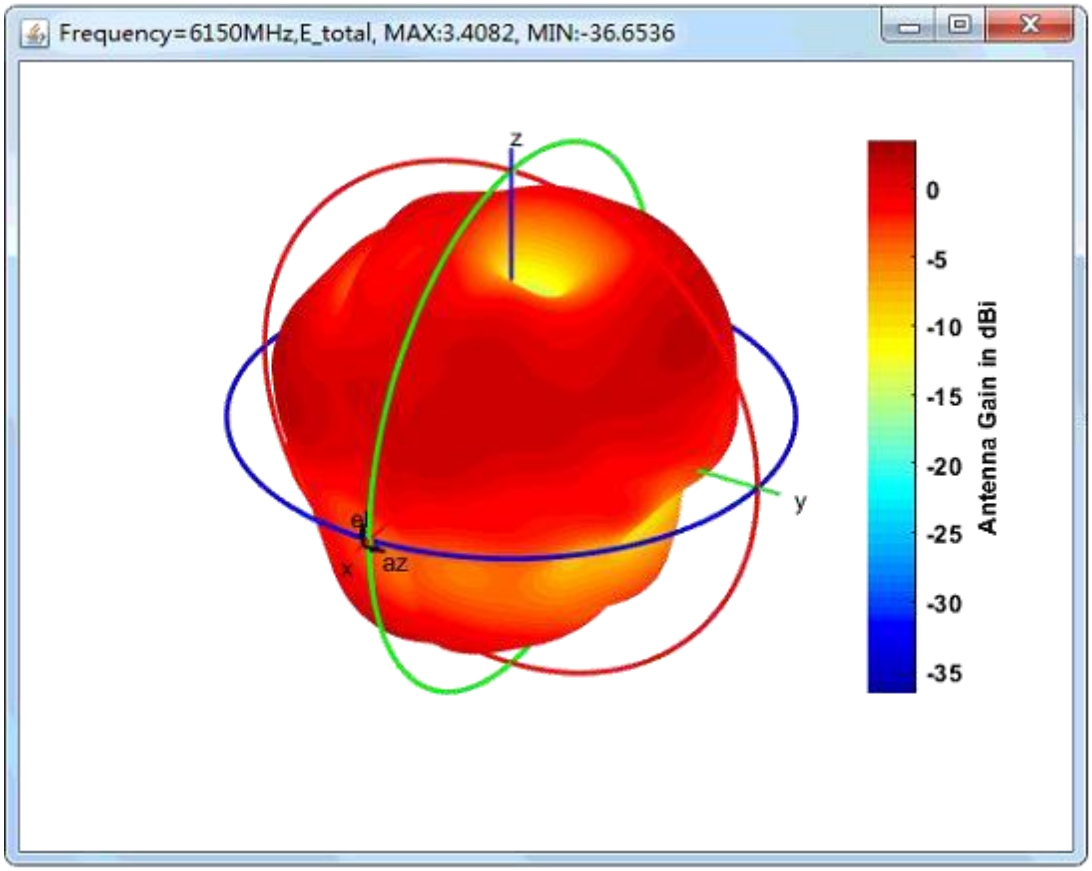


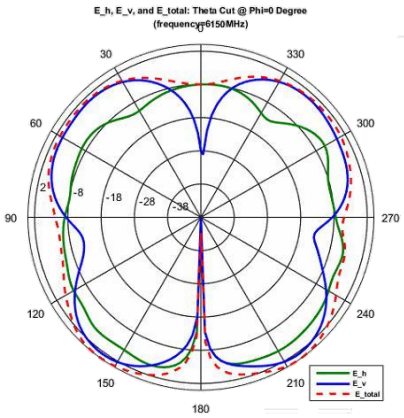


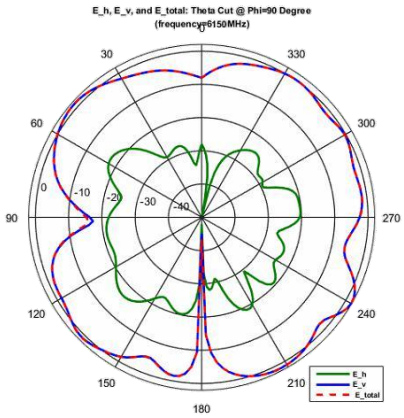


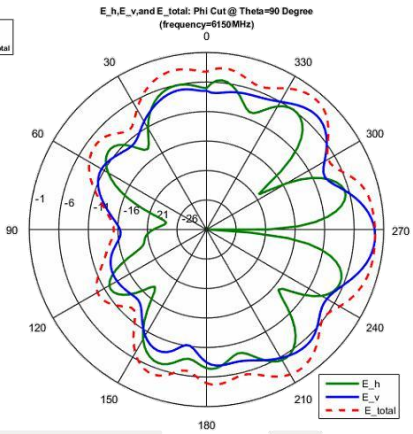


6150MHz 3D&2D Cut

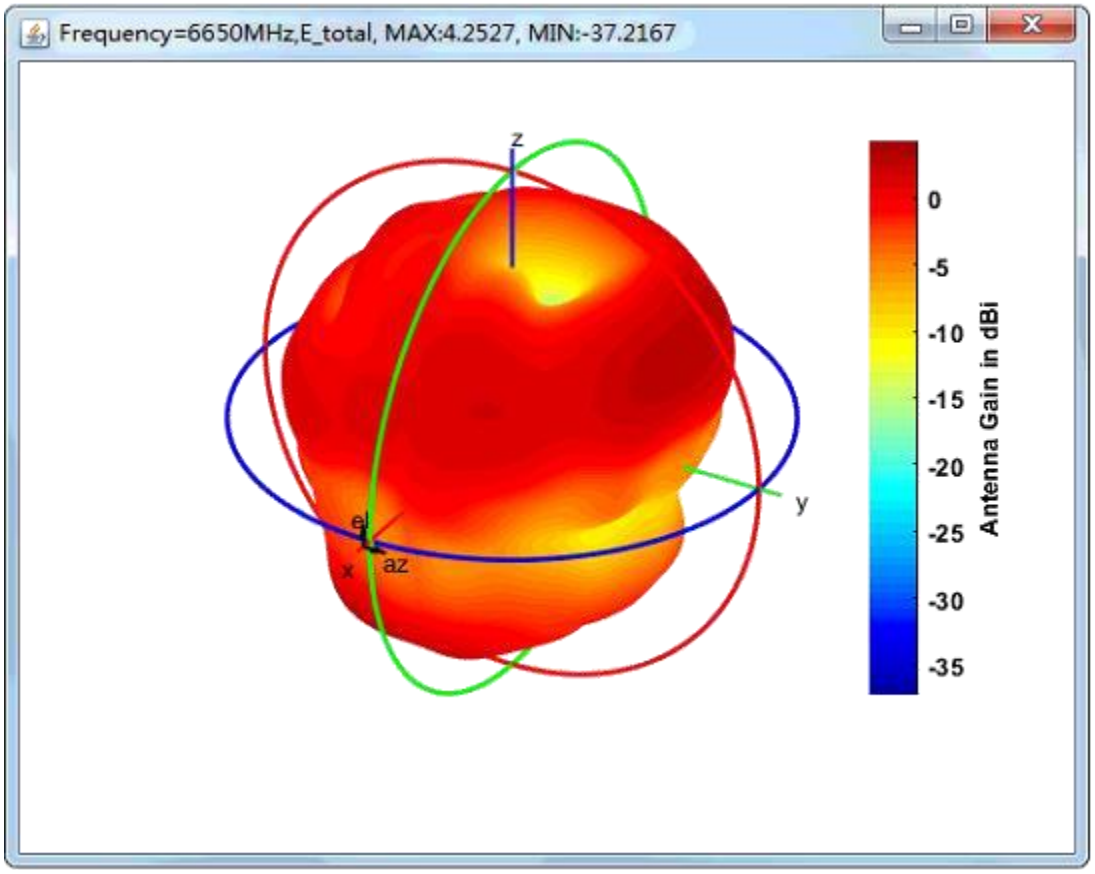


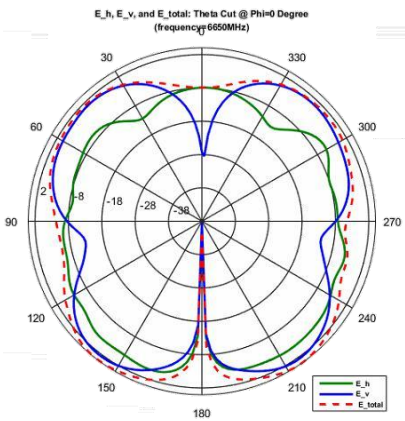


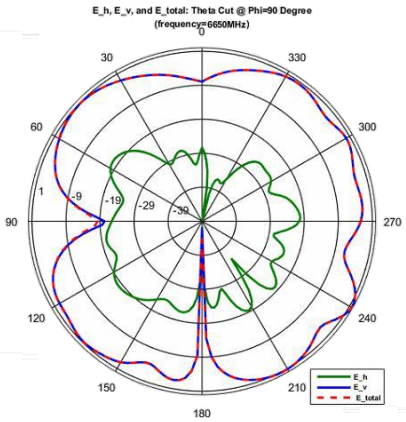


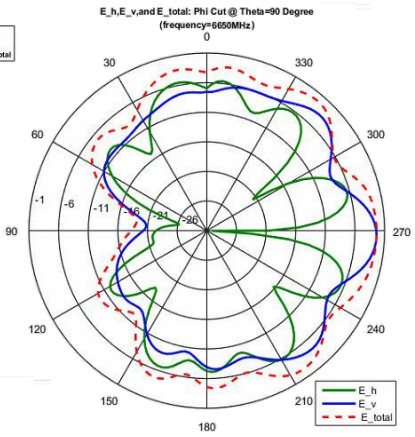


6650MHz 3D&2D Cut

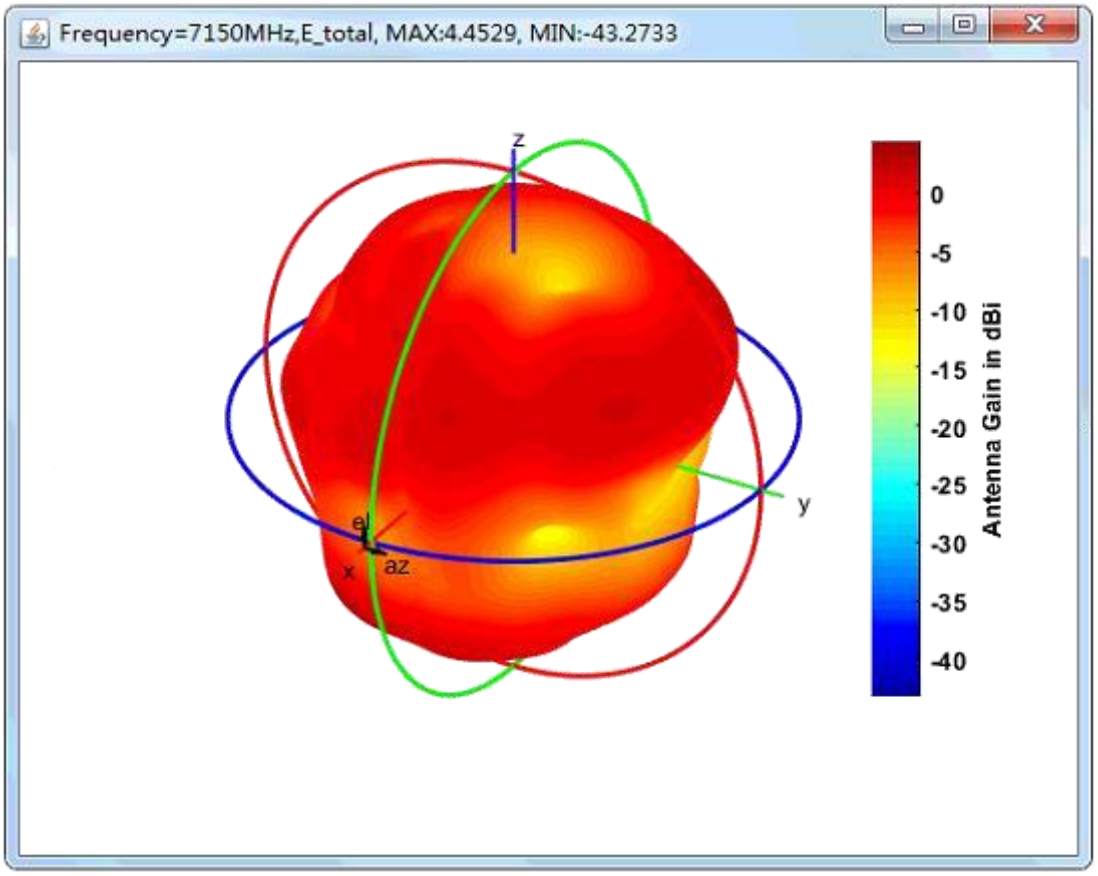


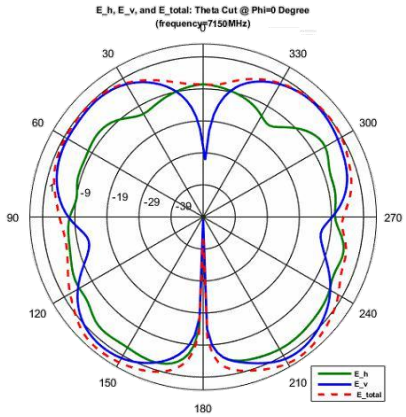


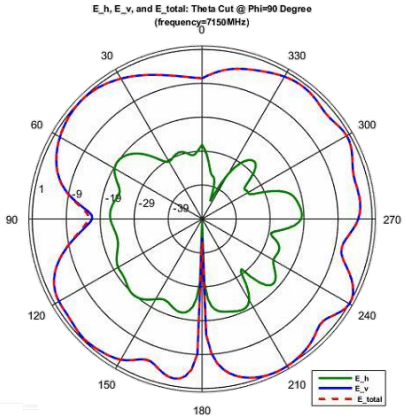


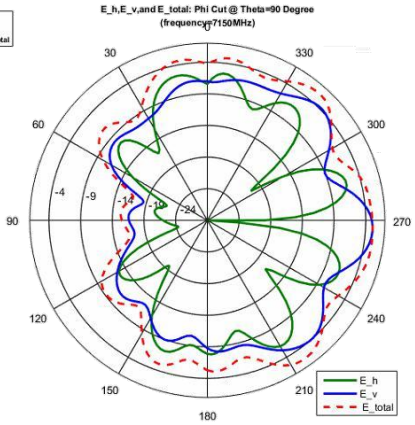


7150MHz 3D&2D Cut

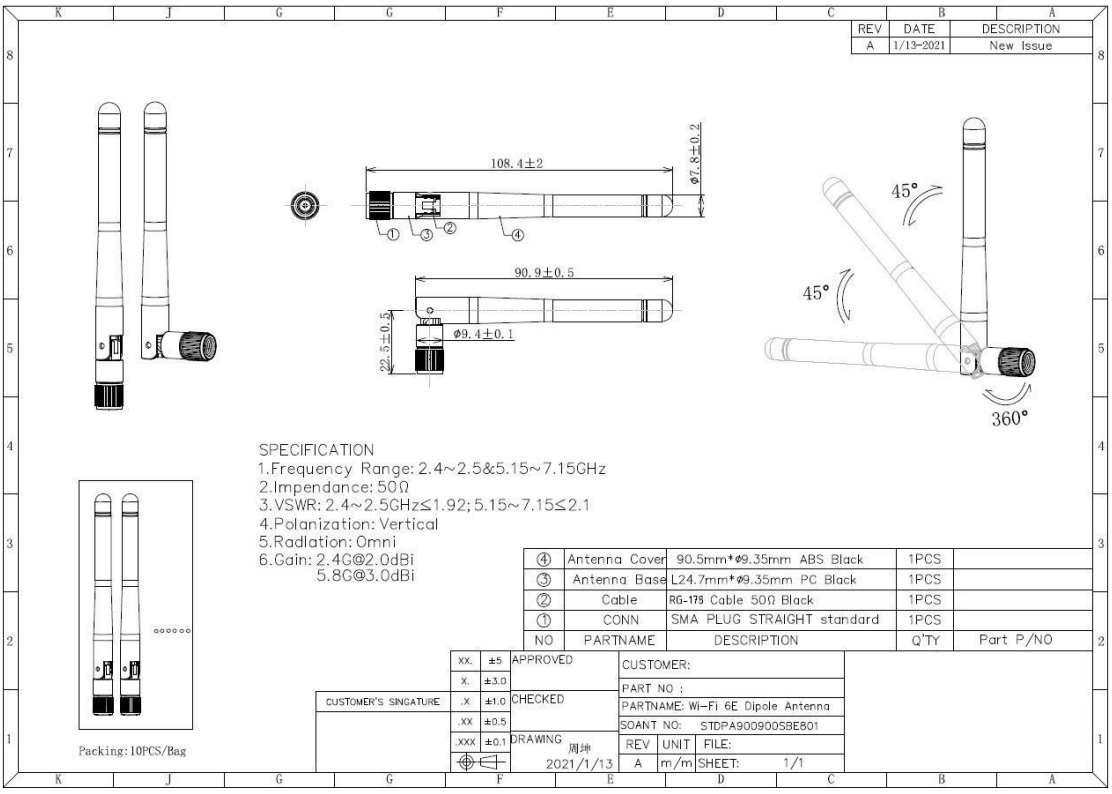








Dimension


REV | DATE | DESCRIPTION
A | 1/13-2021 | New Issue
108.4±2
ø7.8±0.2
90.9±0.5
22.5±0.5
ø9.4±0.1
45°
45°
360°
SPECIFICATION
1.Frequency Range: 2.4~2.5&5.15~7.15GHz
2.Impendance: 50Ω
3.VSWR: 2.4~2.5GHz≤1.92; 5.15~7.15≤2.1
4.Polanization: Vertical
5.Radiation: Omni
6.Gain: 2.4G@2.0dBi
5.8G@3.0dBi
④ Antenna Cover 90.5mm*ø9.35mm ABS Black 1PCS
③ Antenna Base L24.7mm*ø9.35mm PC Black 1PCS
② Cable RG-178 Cable 50Ω Black 1PCS
① CONN SMA PLUG STRAIGHT standard 1PCS
NO PARTNAME DESCRIPTION Q'TY Part P/NO
Packing: 10PCS/Bag
CUSTOMER'S SINGATURE
APPROVED
CHECKED
DRAWING 周坤 2021/1/13
CUSTOMER:
PART NO :
PARTNAME: Wi-Fi 6E Dipole Antenna
SOANT NO: STDPA900900SBE801
REV A UNIT m/m FILE: SHEET: 1/1