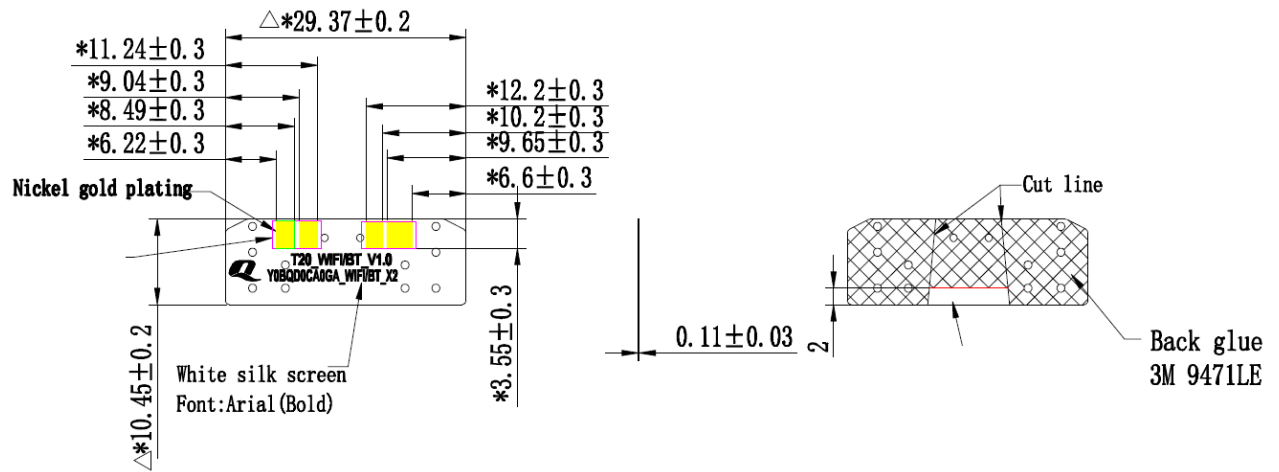


Antenna Specification

1. Antenna Describe

Antenna Manufacturer	Shanghai Quectel Wireless Solutions Co., Ltd
Address	Building 5, Block B, Phase 3 of Technology Oasis, No. 1016 Tianlin Road, Minhang District, Shanghai China
Antenna Model	Y0BQD0CA0GA
Antenna Type	FPC Antenna
Antenna Gain	2.4G WIFI: 0.3dBi Max, 2.4G BT: 2.3dBi Max
Frequency Rang	2400-2500MHz
VSWR	≤ 2
Input Impedance	50 Ω

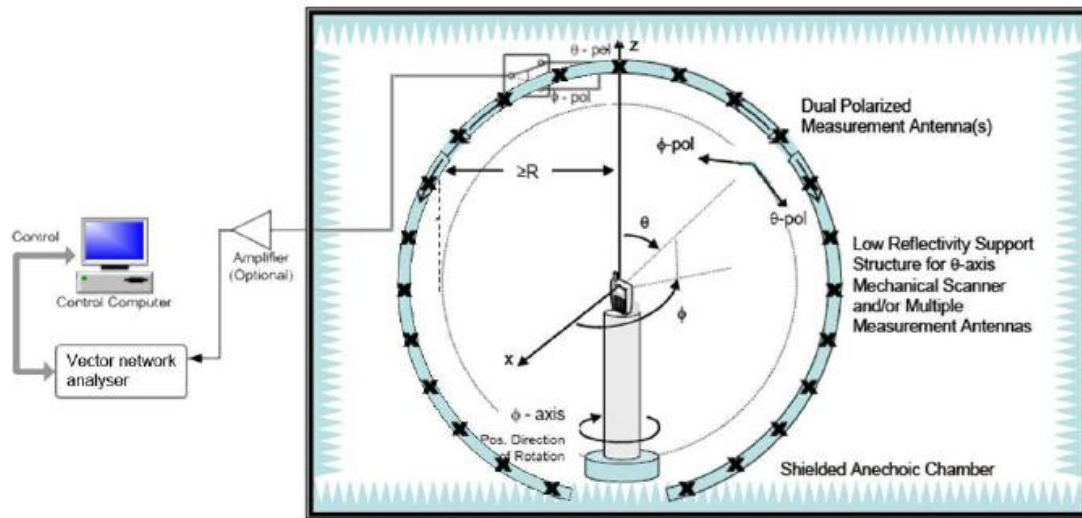
2. External View Drawing



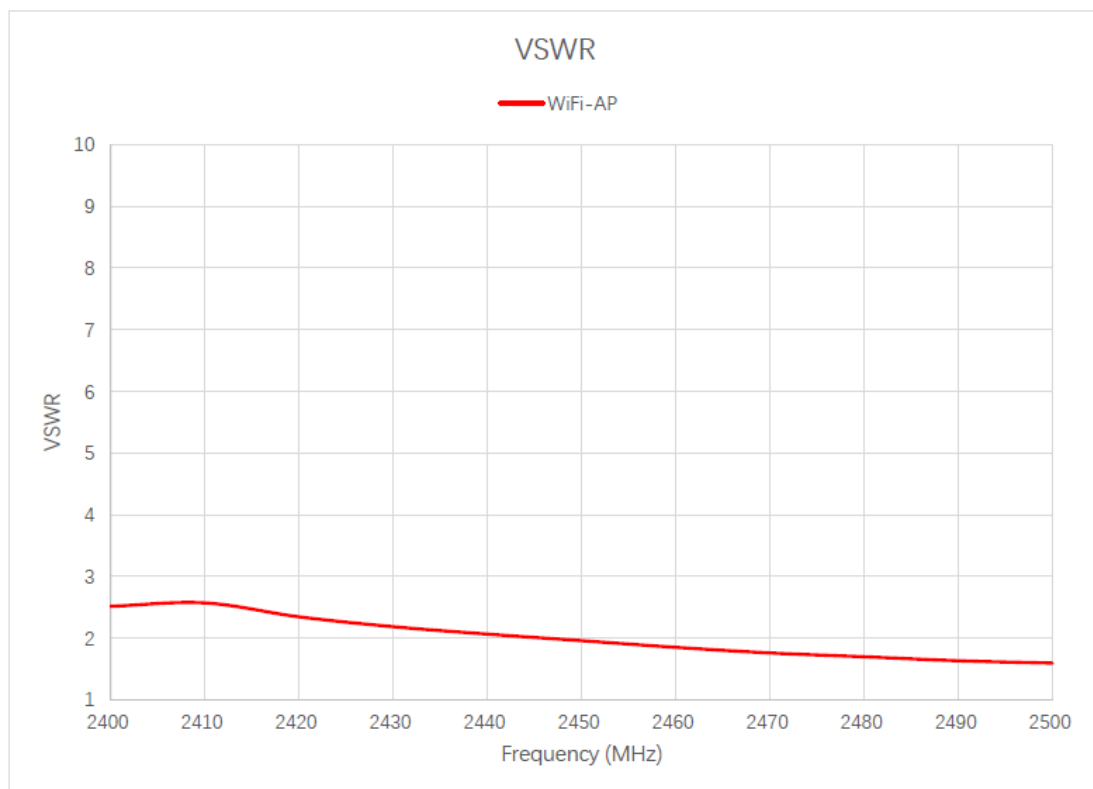
Unit: mm

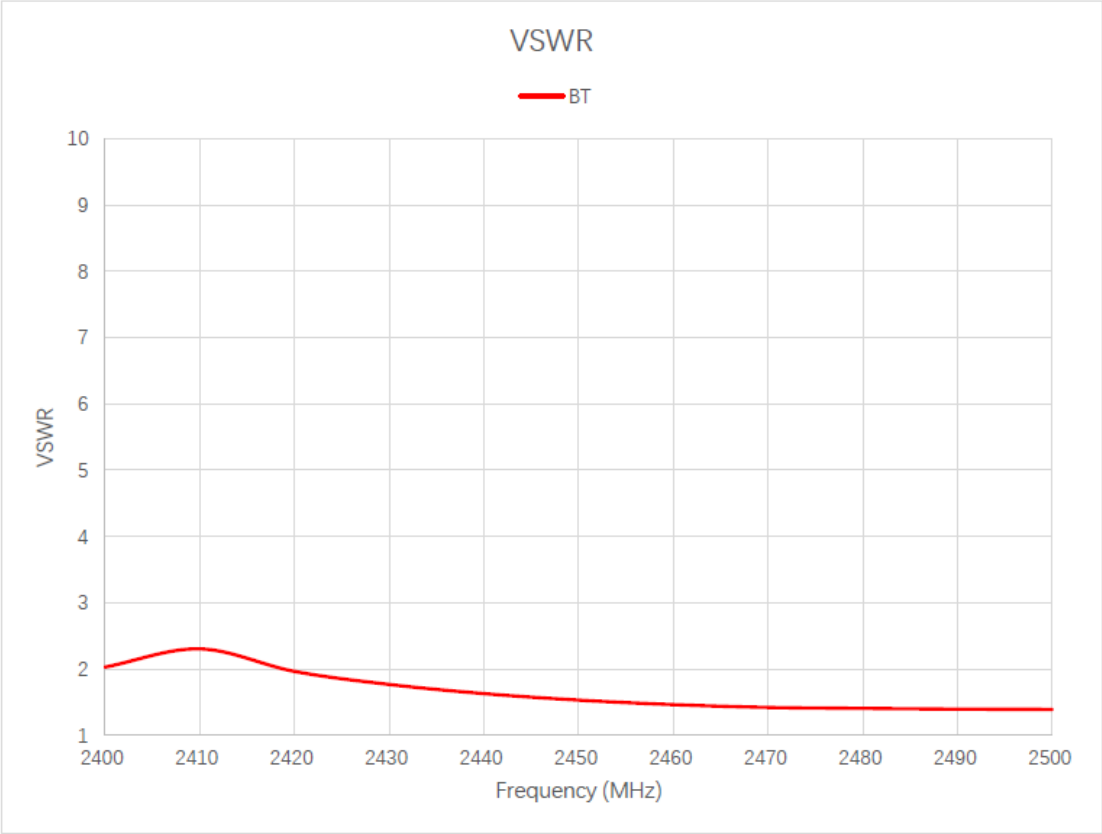
3. Measurement Result

3.1 Test Setup



3.2 VSWR



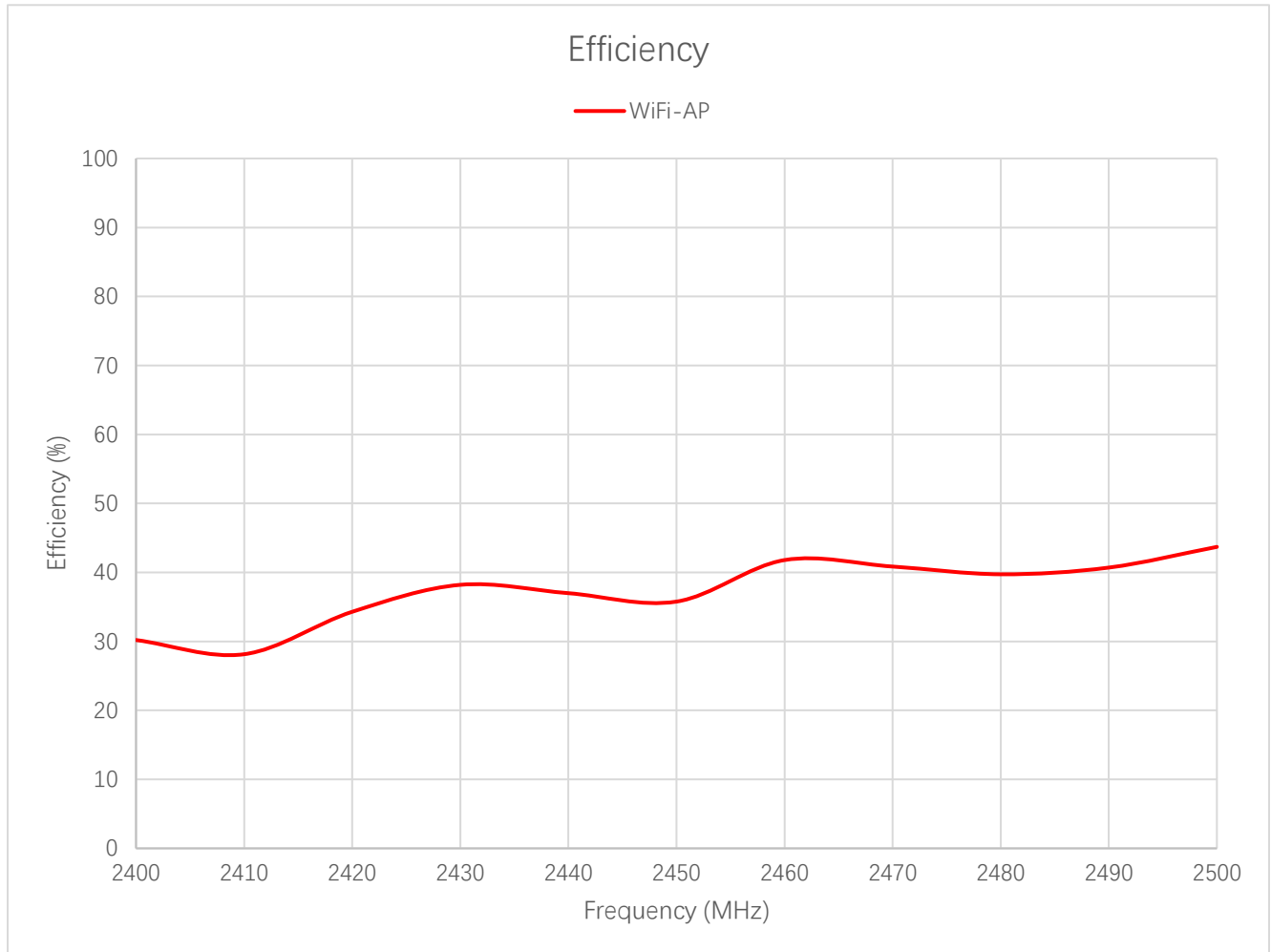


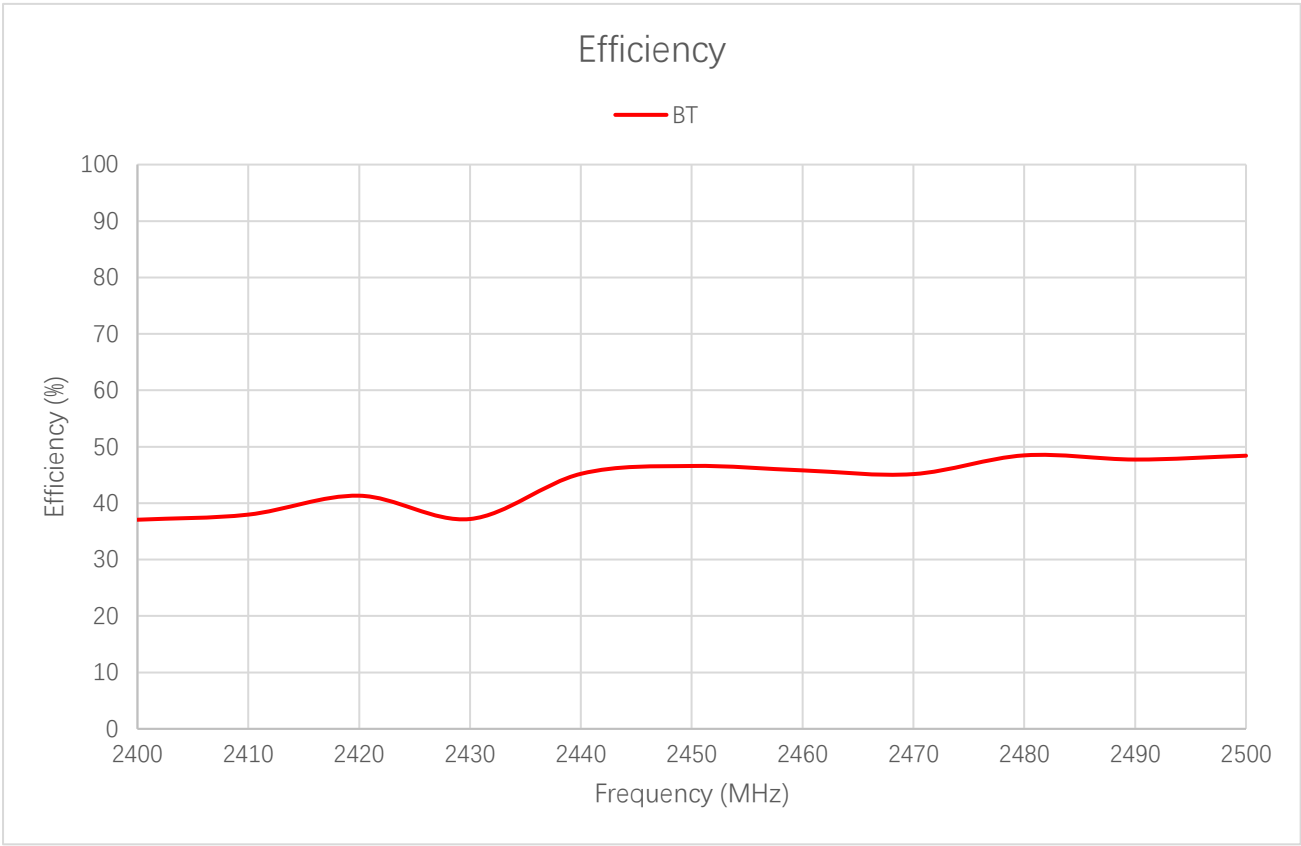
VSWR

Freq. (MHz)	2400	2450	2500
WiFi-AP	2.5	1.9	1.5
BT	2.0	1.5	1.3

3.3 Radiated Efficiency Test

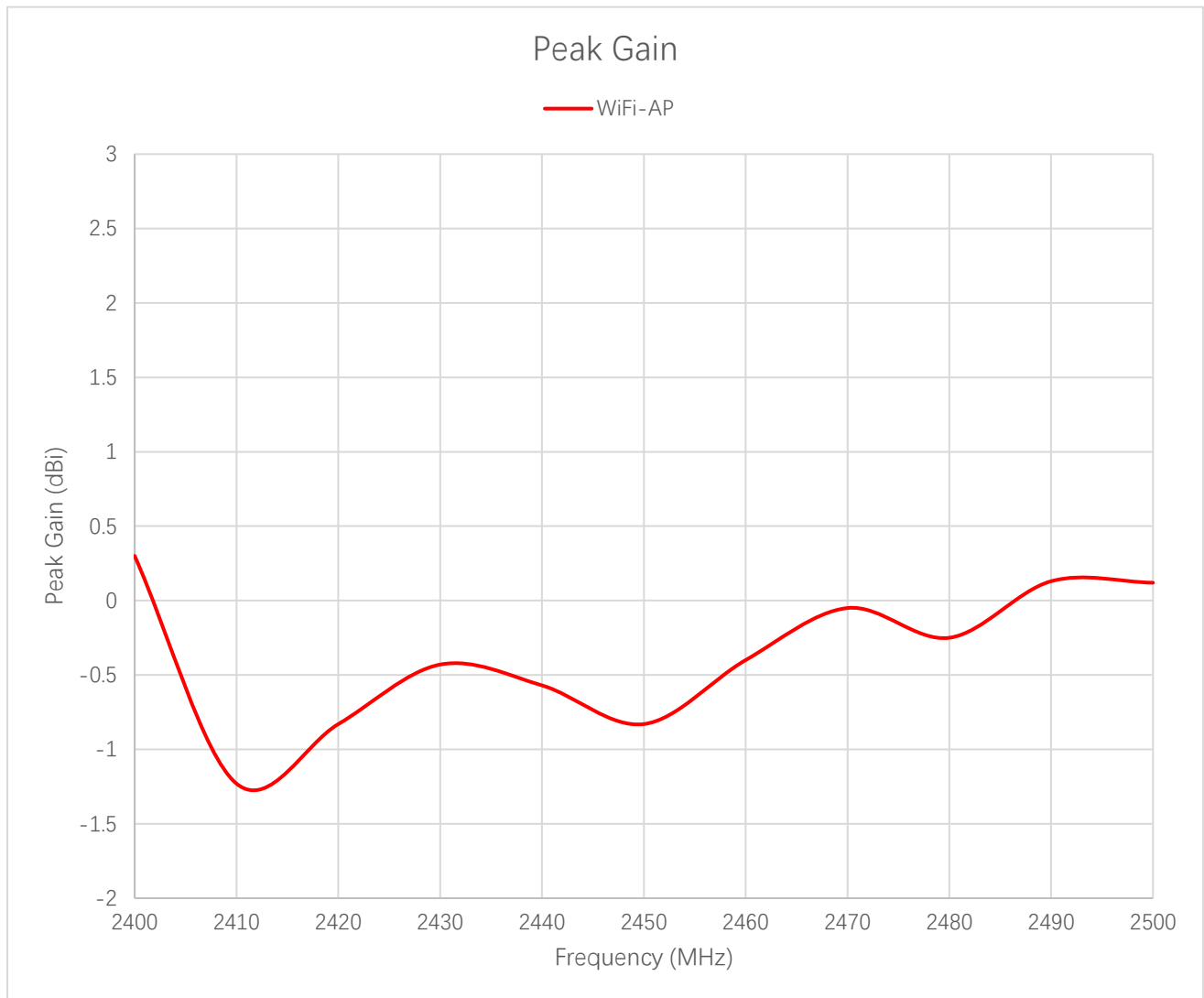
3.3.1 Efficiency

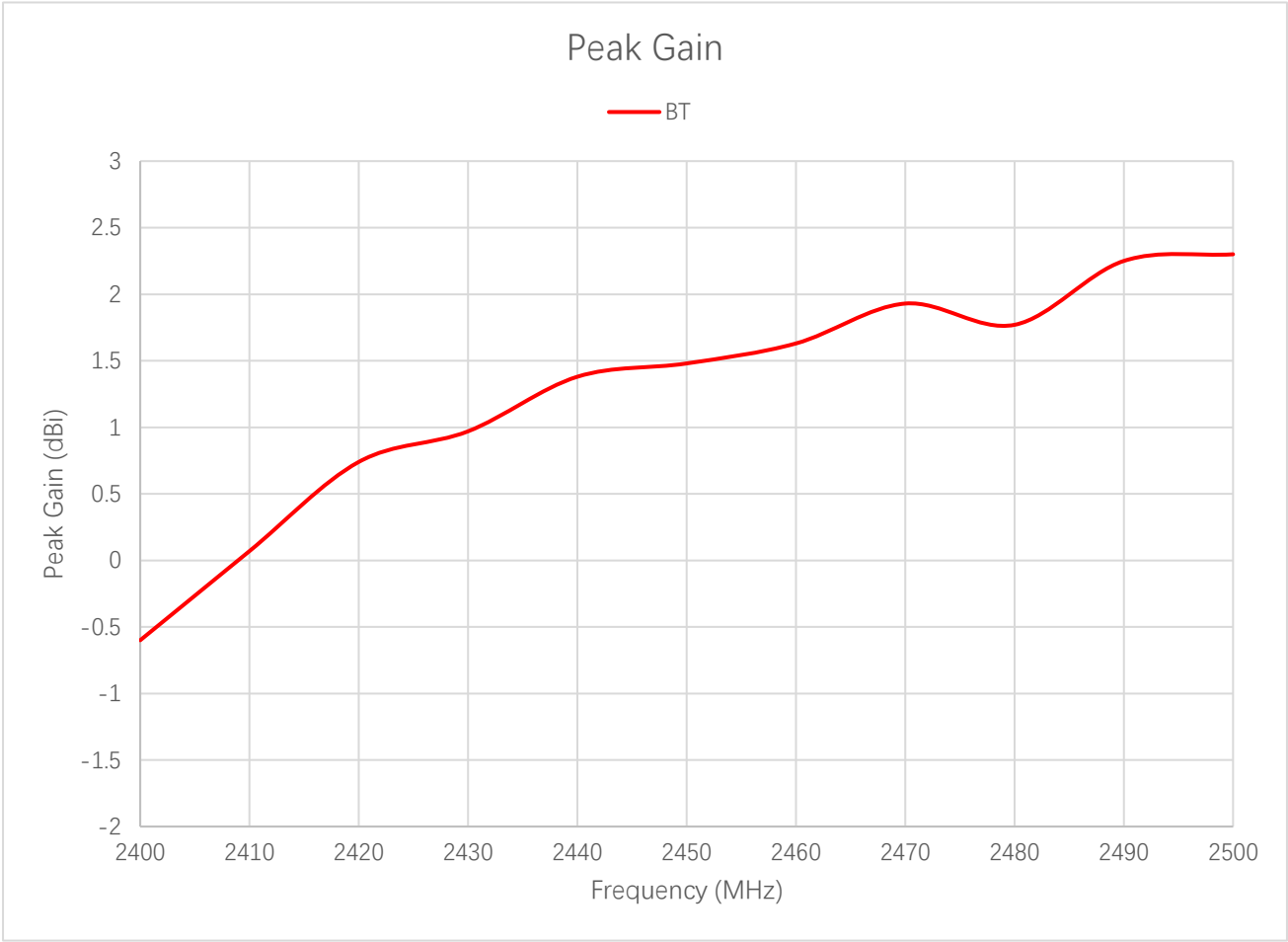




Efficiency (%)									
Freq. (MHz)	2400	2450	2500	5150	5500	5850	5925	6525	7125
WiFi-AP	30.2	35.7	43.7	-	-	-	-	-	-
BT	37.0	46.5	48.4	-	-	-	-	-	-

3.3.2 Peak Gain



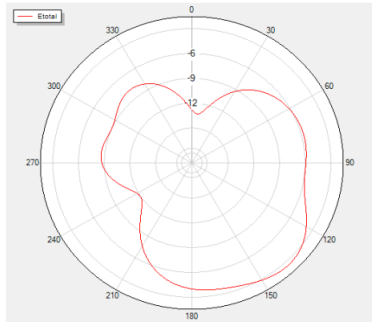


Peak Gain (dBi)									
Freq. (MHz)	2400	2450	2500	5150	5500	5850	5925	6525	7125
WiFi-AP	0.3	-0.8	0.1	-	-	-	-	-	-
BT	-0.6	1.4	2.3	-	-	-	-	-	-

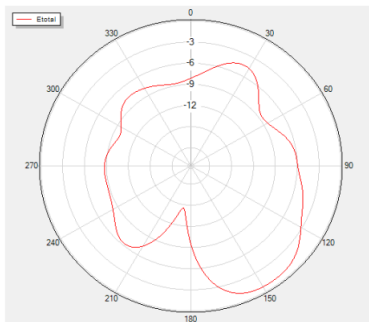
3.4 Pattern

3.4.1 Wifi

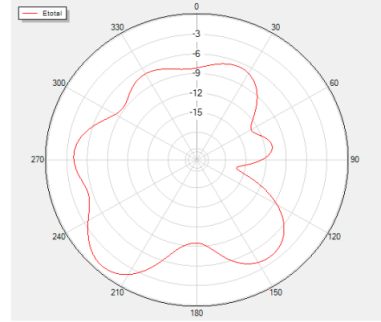
Theta=90 Freq=2400MHz



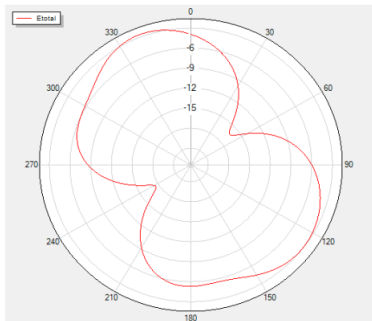
Phi=90 Freq=2400MHz



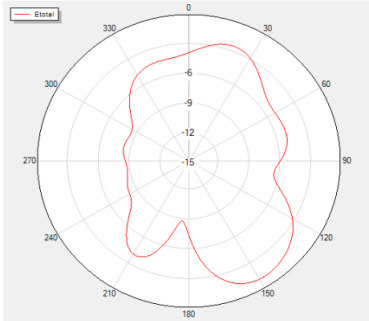
Phi=0 Freq=2400MHz



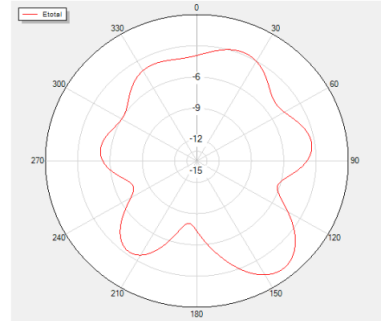
Theta=90 Freq=2450MHz



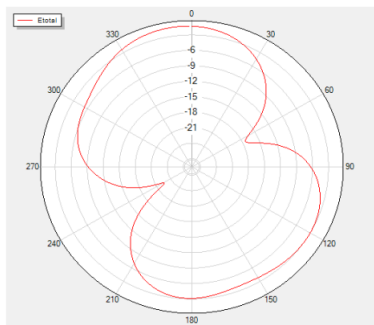
Phi=90 Freq=2450MHz



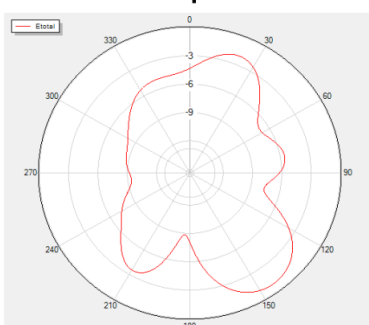
Phi=0 Freq=2450MHz



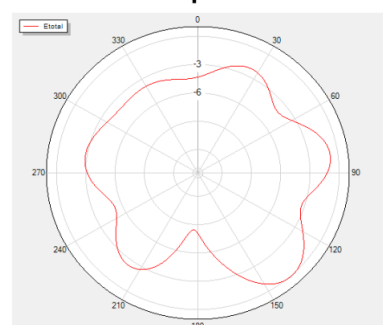
Theta=90 Freq=2500MHz



Phi=90 Freq=2500MHz

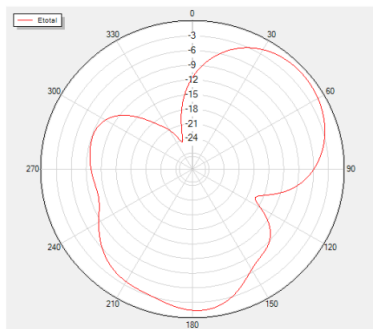


Phi=0 Freq=2500MHz

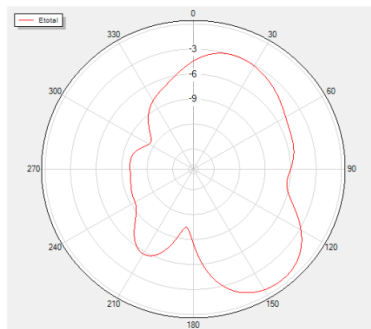


3.4.2 BT

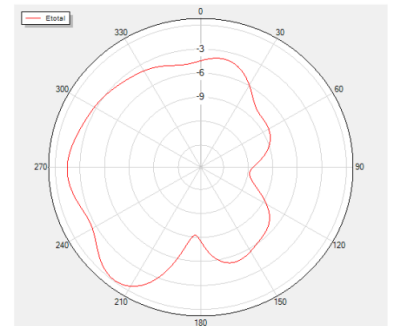
Theta=90 Freq=2400MHz



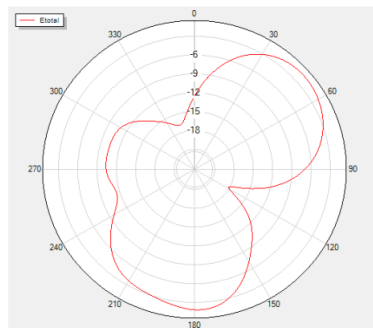
Phi=90 Freq=2400MHz



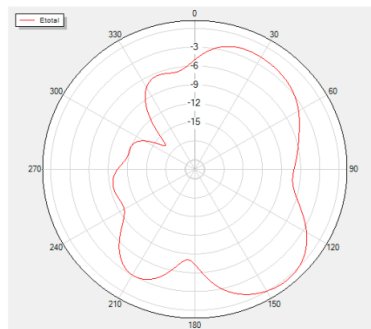
Phi=0 Freq=2400MHz



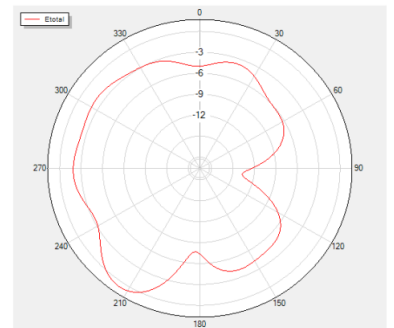
Theta=90 Freq=2450MHz



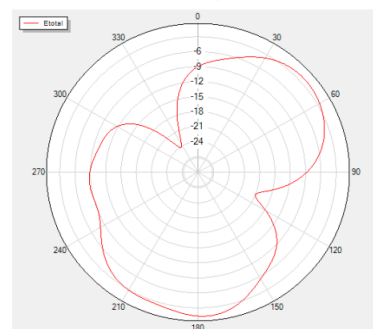
Phi=90 Freq=2450MHz



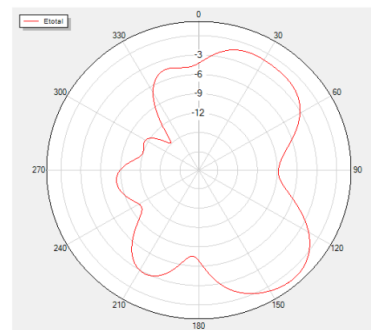
Phi=0 Freq=2450MHz



Theta=90 Freq=2500MHz



Phi=90 Freq=2500MHz



Phi=0 Freq=2500MHz

