
Antenna Reports

Test lab: RD laboratory of Sunway Communication Co.LTD

Test software: GTS1800NR-Z

Issue date: 2024/12/31

Manufacturer: Sunway Communication

Manufacturer address: 1013, Xihuan Rd., Shajing Town, Bao'an
District, Shenzhen, P.R. China

Test Instrument: GTS1800

Instrument calibration date :2025/1/3

Instrument Due date: 2025/12/30

Test Engineer: Li Ruijing

Peak Gain

ANT4

Antenna model name: GPS WLAN BT ANT

Antenna type: PIFA

GPS 1.1G&1.5G Peak Gain (dBi)			
1160-1190MHz	-4.3	1560-1590MHz	-1.94

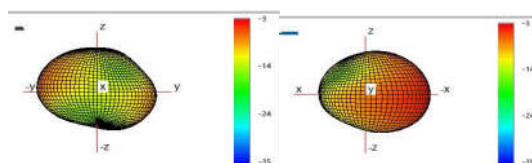
(Right view – Rear view – Left view – Front view)

BT	Peak Gain(dBi)
2400~2483.5MHz	-1.39

WLAN	Peak Gain(dBi)
2400~2483.5MHz	-1.39
5150~5250MHz	1.43
5250~5350MHz	1.2
5470~5725MHz	0.9
5725~5850MHz	1.28
5850~5925MHz	1.8
5925~6425MHz	0.5
6425~6525MHz	0.69
6525~6875MHz	1.18
6875~7125MHz	0.63

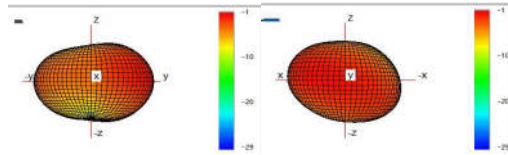
(Right view – Rear view – Left view – Front view)

GPS L1 (1175 MHz)



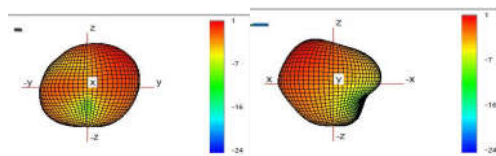
1176MHz

GPS L5 (1575 MHz)



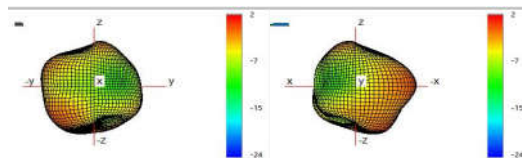
1575MHZ

WIFI BT 2.4G (2450 MHz)

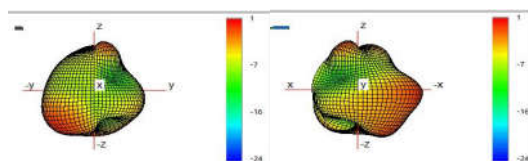


2450MHZ

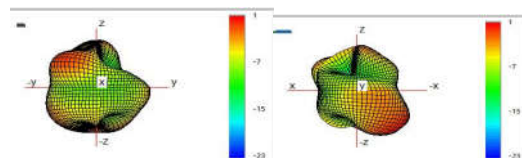
WIFI 5G



5150MHZ

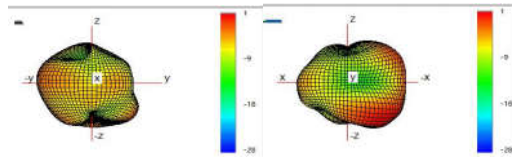


5500MHZ

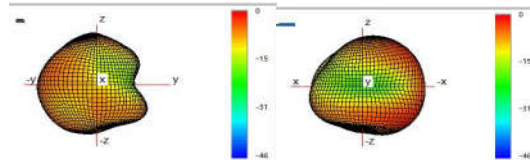


5850MHZ

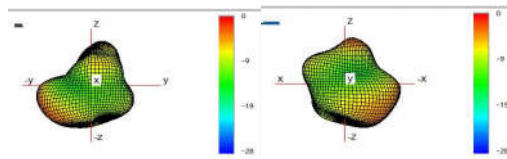
WIFI 6E



6100MHZ



6500MHZ



7100MHZ

ANT3

Antenna model name: WLAN BT ANT

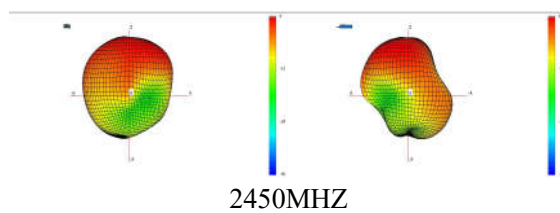
Antenna type: PIFA

BT	Peak Gain(dBi)
2400~2483.5MHz	0.41

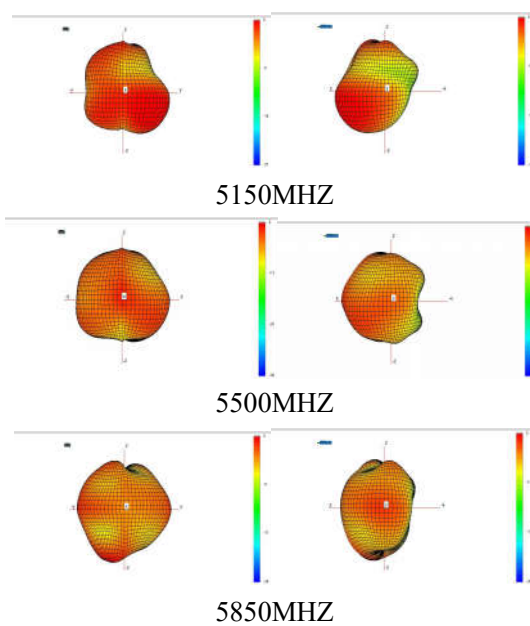
WLAN	Peak Gain(dBi)
2400~2483.5MHz	0.41
5150~5250MHz	-1.41
5250~5350MHz	-0.54
5470~5725MHz	0.5
5725~5850MHz	0.67
5850~5925MHz	-0.79
5925~6425MHz	-0.79
6425~6525MHz	-0.61
6525~6875MHz	0.2
6875~7125MHz	-0.99

(Right view – Rear view – Left view – Front view)

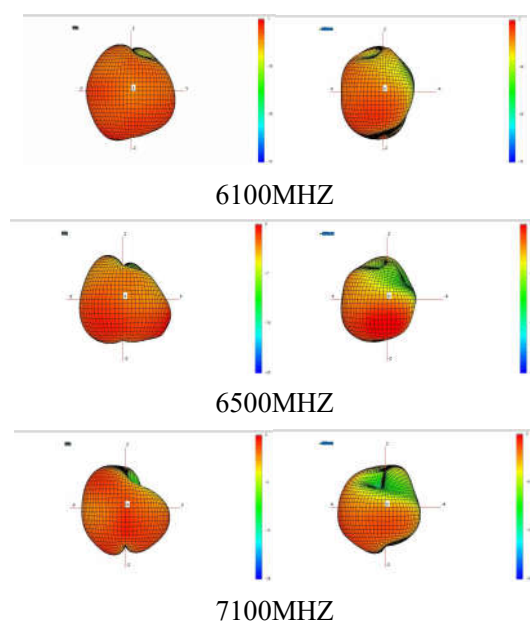
WIFI BT 2.4G



WIFI 5G



WIFI 6E



ANT5

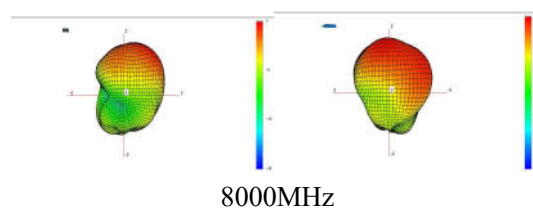
Antenna model name: UWB ANT

Antenna type: PIFA

UWB	Peak Gain(dBi)
6250~6750MHz	NA
6950~8250MHz	3.4

(Right view – Rear view – Left view – Front view)

UWB CH9 (7987 MHz)



ANT6

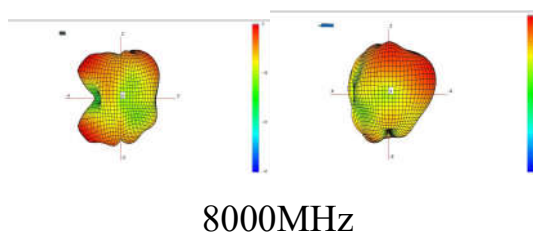
Antenna model name: UWB ANT

Antenna type: PIFA

UWB	Peak Gain(dBi)
6250~6750MHz	NA
6950~8250MHz	4.5

(Right view – Rear view – Left view – Front view)

UWB CH9 (7987 MHz)



ANT8

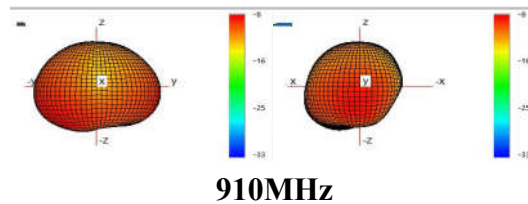
Antenna model name: MIMO ANT

Antenna type: PIFA

LTE/NR	Peak Gain(dBi)
LORA	-8.2

(Right view – Rear view – Left view – Front view)

LORA (915 MHz)



NFC

Antenna model name: NFC ANT

Antenna type: Loop

Antenna pattern size : L 48.28 (+/-0.15)*W 53(+/-0.15)*D 0.28,mm