



## SPECIFICATION

Antenna Manufacturer Name	Universal Global Technology (Kunshan) Co., Ltd.
Address	No. 497, Huangpujiang Road, Qiandeng, Kunshan, Jiangsu Province P.R. C 215341
P/N:	Ant 7(WiFi0/BT/GPS L1): B32818-00 Ant 8(WiFi1/BT): B32817-00
Test DATE	2023/07/03
DATASHEET REVISION	Rev 00
Ant. Type	Monopole+Coupling type

*Luke*

Test Engineer: Luke



## Description of Antenna

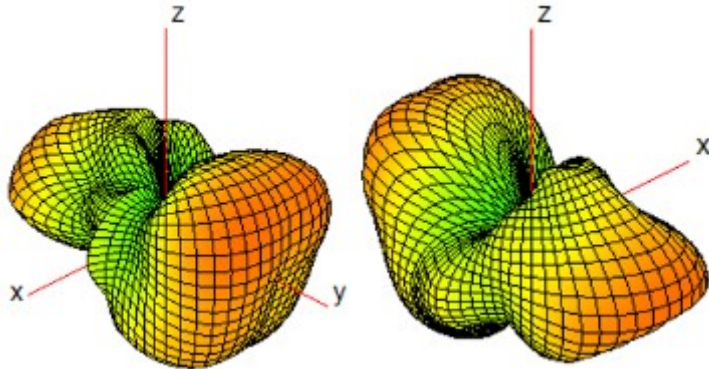
Frequency Range	Ant 7: 1575, 2400~2500, 5150~7125MHz Ant 8: 2400~2500, 5150~7125MHz
Impedance	50 Ohms
Antenna type	Monopole+Coupling type
Process	LDS

### Antenna Gain:

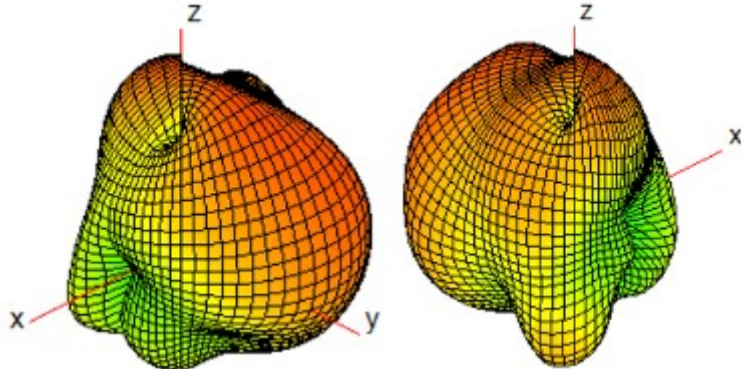
Ant 7		Ant 8	
(WiFi0/BT/GPS)		(WiFi1/BT)	
Freq	Peak Gain_dBi	Freq	Peak Gain_dBi
1559	0.61	2400	2.06
1575	1.13	2410	2.01
1610	1.55	2420	1.77
2400	2.09	2430	1.71
2410	1.94	2440	1.75
2420	1.66	2450	2.03
2430	1.70	2460	1.79
2440	1.89	2470	1.35
2450	2.37	2480	0.91
2460	2.57	2490	0.88
2470	2.43	2500	0.93
2480	2.32	5150	1.79
2490	2.29	5200	2.24
2500	2.35	5250	2.18
5150	2.89	5300	2.13
5200	3.00	5350	2.43
5250	2.74	5400	2.96
5300	2.07	5450	3.12
5350	1.93	5500	3.18
5400	1.49	5550	2.79
5450	1.13	5600	2.11
5500	0.96	5650	1.98
5550	1.73	5700	1.46
5600	1.93	5750	1.92
5650	1.83	5800	2.16
5700	1.35	5850	2.22
5750	1.74	5925	1.92
5800	2.12	5950	1.80
5850	2.52	6025	1.96
5925	2.60	6125	2.25
5950	2.45	6225	2.54
6025	3.13	6325	2.23
6125	3.38	6425	1.76
6225	2.57	6525	2.15
6325	1.61	6625	2.15
6425	0.53	6725	2.49
6525	1.17	6825	1.92
6625	1.00	6925	2.43
6725	1.00	7025	1.59
6825	1.52	7125	2.45
6925	1.08		
7025	1.31		
7125	1.62		

## Radiation Pattern

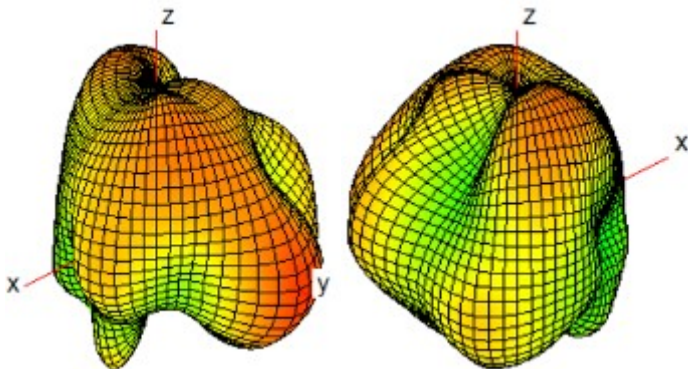
Ant 7(WiFi0/BT/GPS L1)\_1575MHz



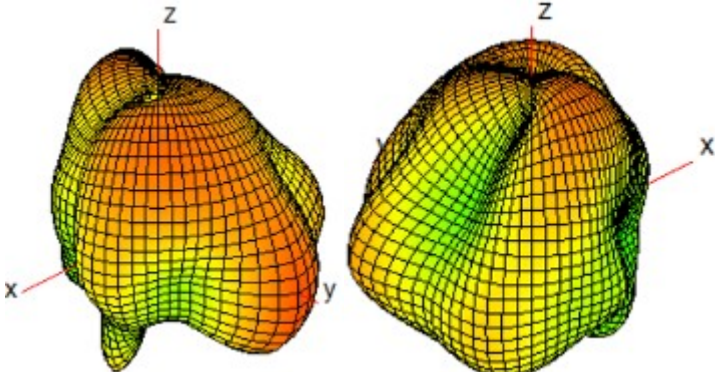
Ant 7(WiFi0/BT/GPS L1)\_2450MHz



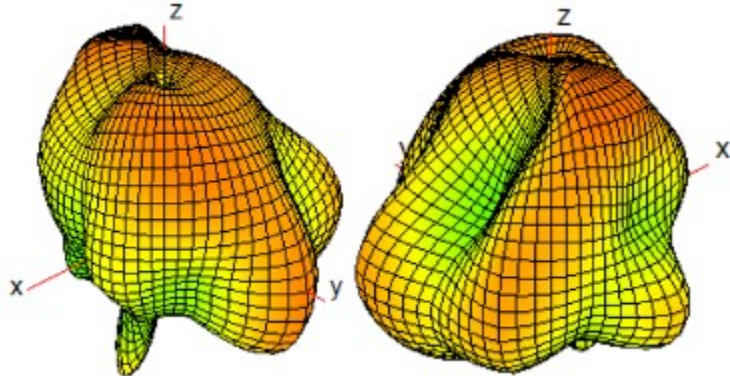
Ant 7(WiFi0/BT/GPS L1)\_5200MHz



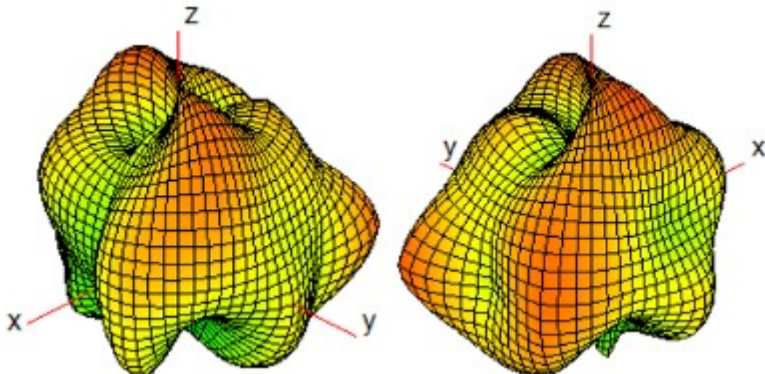
Ant 7(WiFi0/BT/GPS L1)\_5300MHz



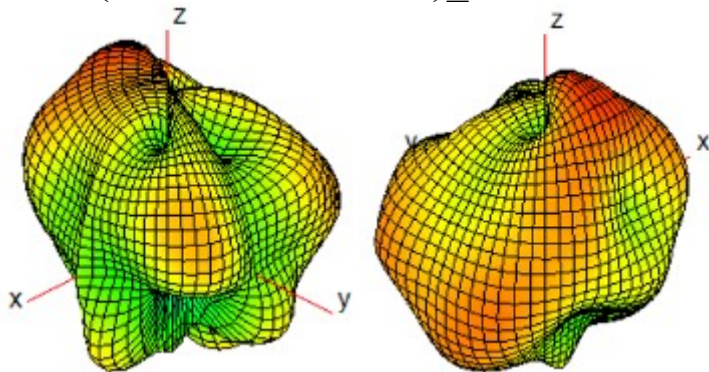
Ant 7(WiFi0/BT/GPS L1)\_5500MHz



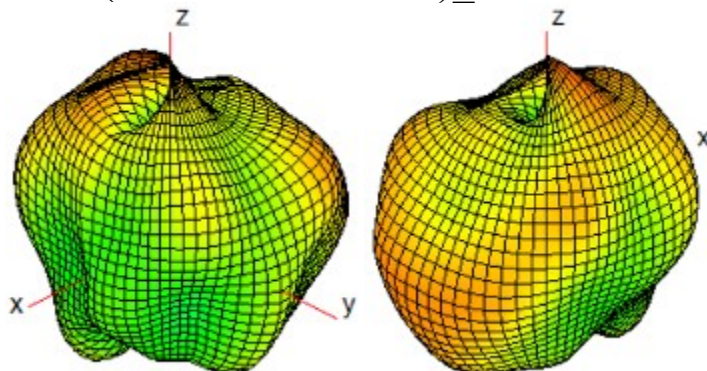
Ant 7(WiFi0/BT/GPS L1)\_5800MHz



Ant 7(WiFi0/BT/GPS L1)\_6200MHz

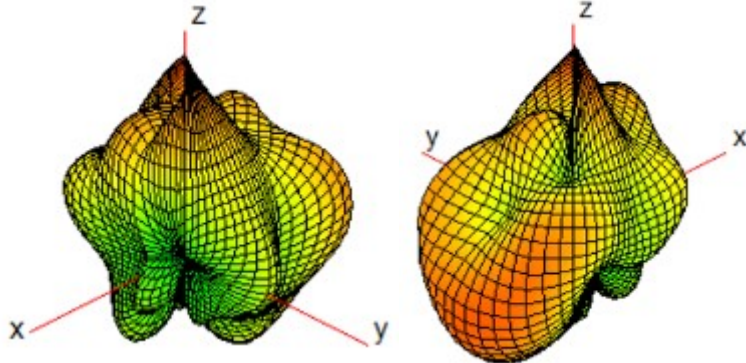


Ant 7(WiFi0/BT/GPS L1)\_6500MHz

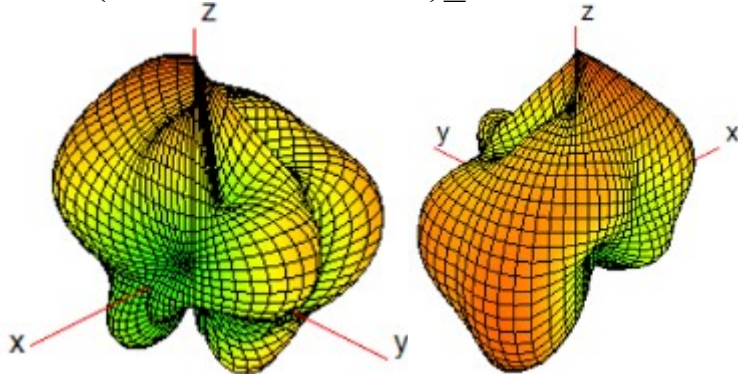




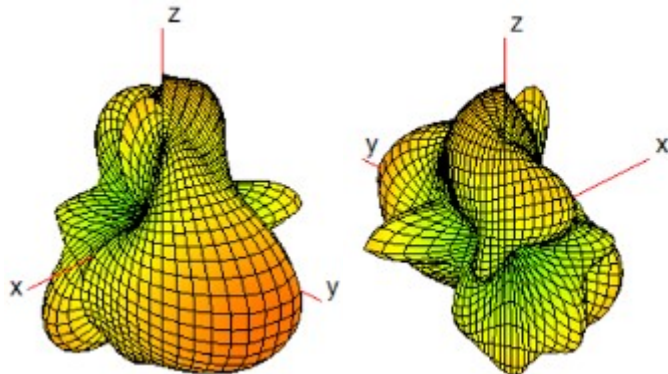
Ant 7(WiFi0/BT/GPS L1)\_6750MHz



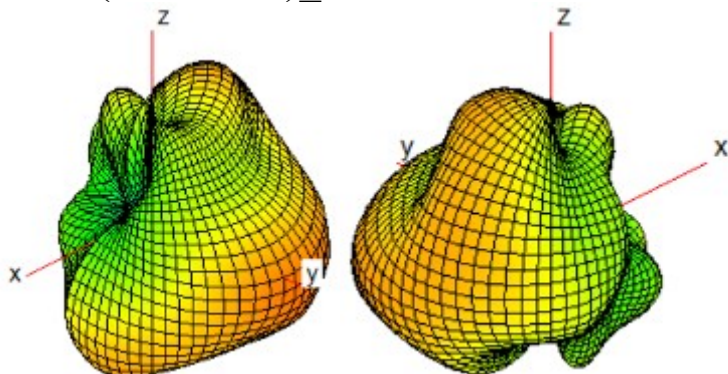
Ant 7(WiFi0/BT/GPS L1)\_7000MHz



Ant 8(WiFi1/BT)\_2450MHz

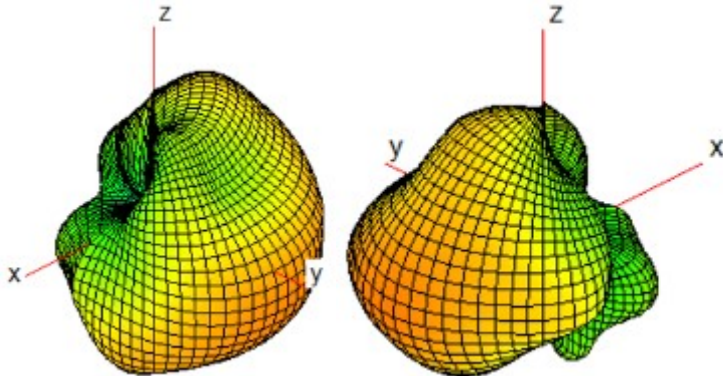


Ant 8(WiFi1/BT)\_5200MHz

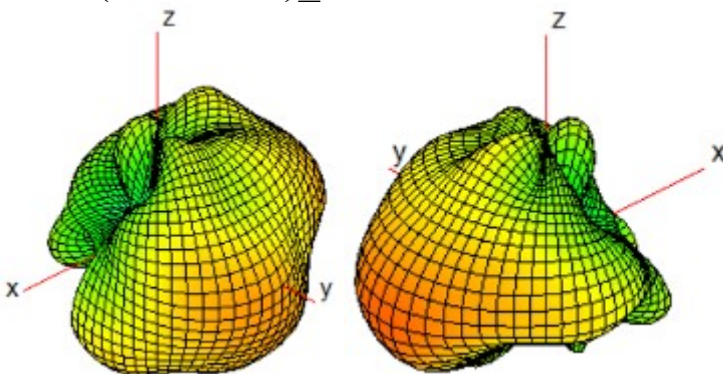




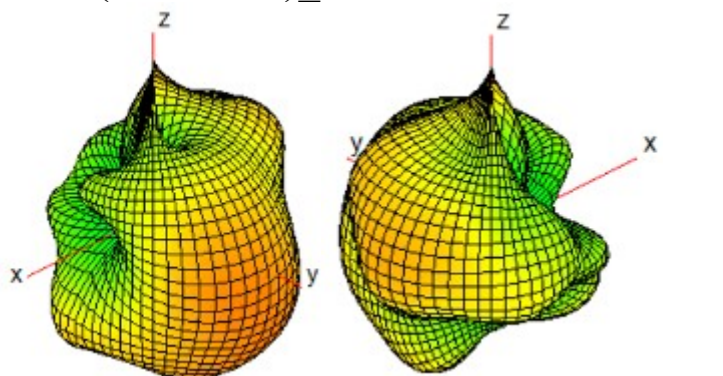
Ant 8(WiFi1/BT)\_5300MHz



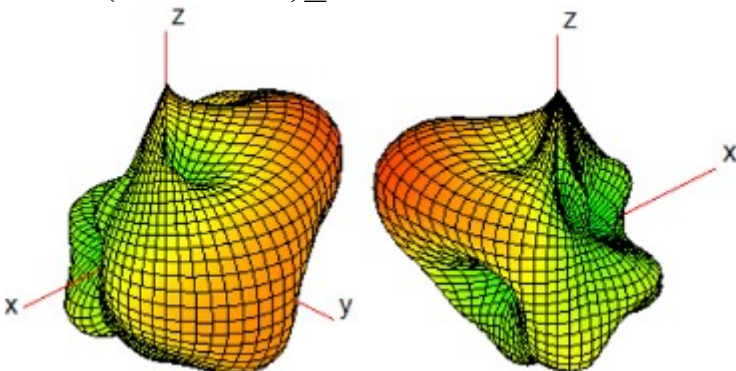
Ant 8(WiFi1/BT)\_5500MHz



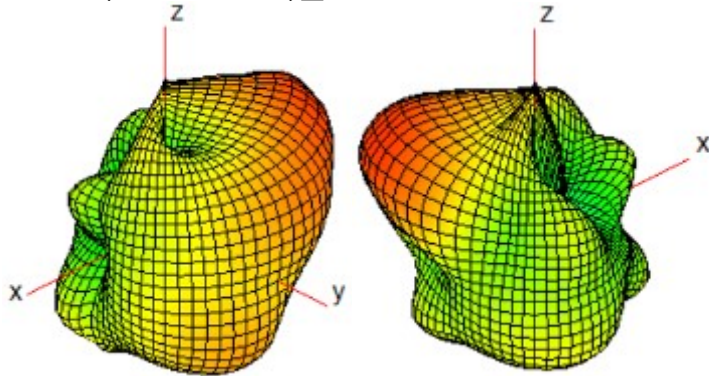
Ant 8(WiFi1/BT)\_5800MHz



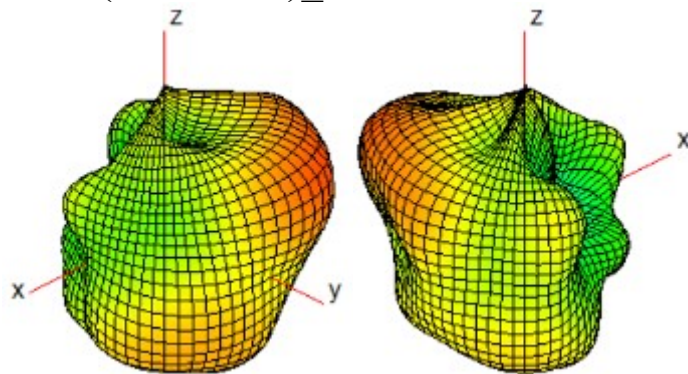
Ant 8(WiFi1/BT)\_6200MHz



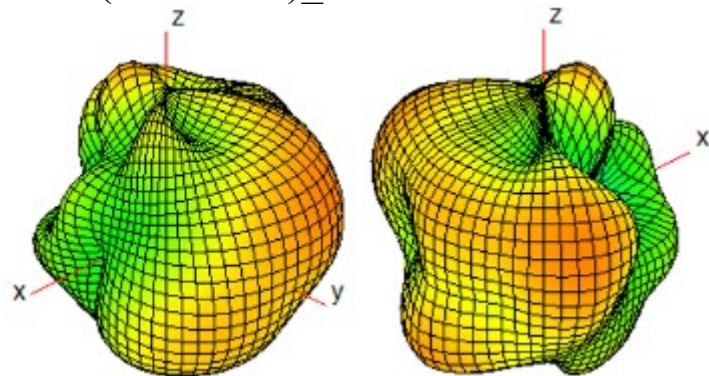
Ant 8(WiFi1/BT)\_6500MHz



Ant 8(WiFi1/BT)\_6750MHz



Ant 8(WiFi1/BT)\_7000MHz





## NFC Antenna Dimension

