

Customer Company: Block, Inc.

Model Antenna SPECIFICATION

Antenna Manufacturer Name	Shanghai Amphenol Airwave Communication Electronics Co., Ltd
Address	No 689 Shen Nan Road ,Xin Zhuang Industry Park, Shanghai 201108 P.R.China
P/N:	WIFI 1: E-ANT-0017\$A03 WIFI 2: E-ANT-0018\$A03
Test DATE	2024.12.03
DATASHEET REVISION	001

Test Engineer:

Jian.zhang

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Description of Antenna

Frequency Range	2400-2500 MHz 5150-5850 MHz 5925-7125 MHz
Impedance	50 ohm
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

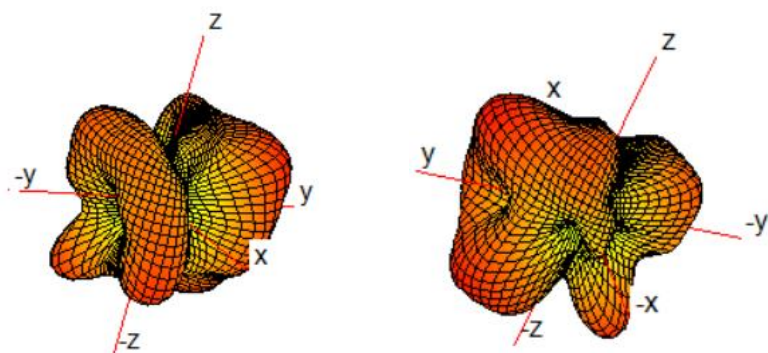
	peak gain.dB		peak gain.dB
	WiFi1		WiFi2
2400	1.4	2400	4.2
2420	1.0	2420	4.2
2440	1.1	2440	4.3
2460	1.2	2460	4.4
2480	1.3	2480	4.5
2500	1.1	2500	4.6
5150	2.0	5150	1.8
5250	1.7	5250	2.3
5350	1.8	5350	2.7
5450	1.9	5450	3.0
5500	2.7	5500	2.6
5550	2.7	5550	2.6
5650	2.9	5650	2.8
5750	2.9	5750	2.9
5850	3.3	5850	2.8
5925	3.5	5925	2.3
6000	3.6	6000	2.3
6100	3.8	6100	3.1
6200	4.0	6200	4.2
6300	3.8	6300	3.9
6400	3.6	6400	3.5
6500	3.2	6500	3.0
6600	3.3	6600	3.2
6700	3.7	6700	3.8
6800	4.1	6800	4.0
6900	3.7	6900	4.1
7000	2.5	7000	3.5
7125	1.6	7125	2.8

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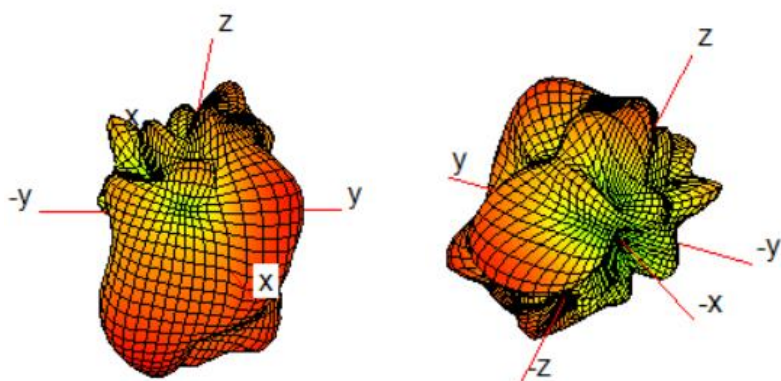
Antenna Pattern:

WiFi1:

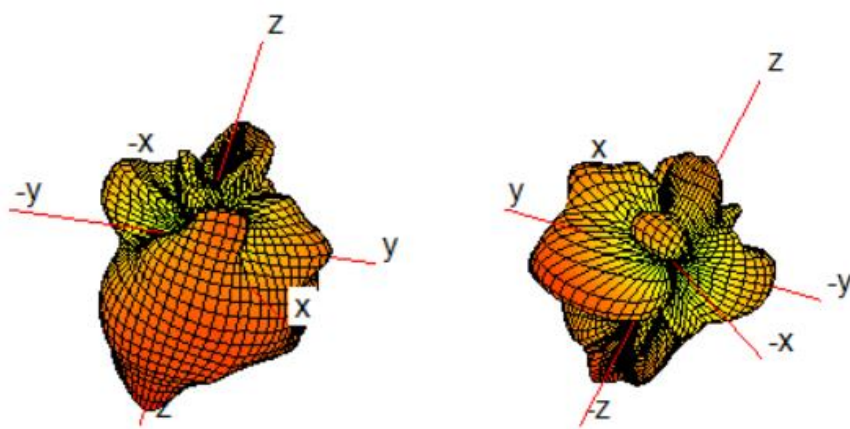
2440MHz



5350MHz

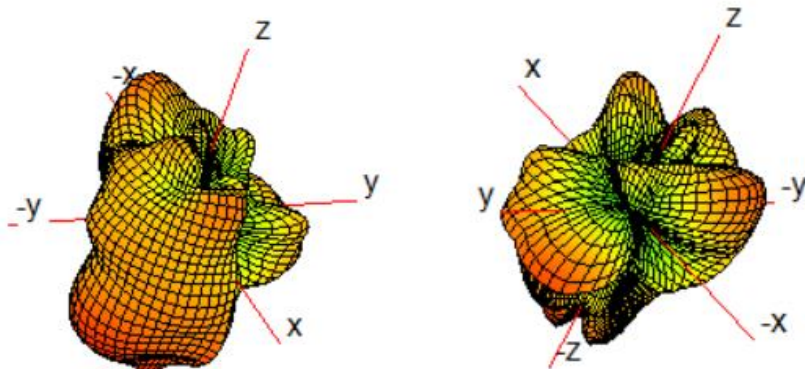


5850 MHz

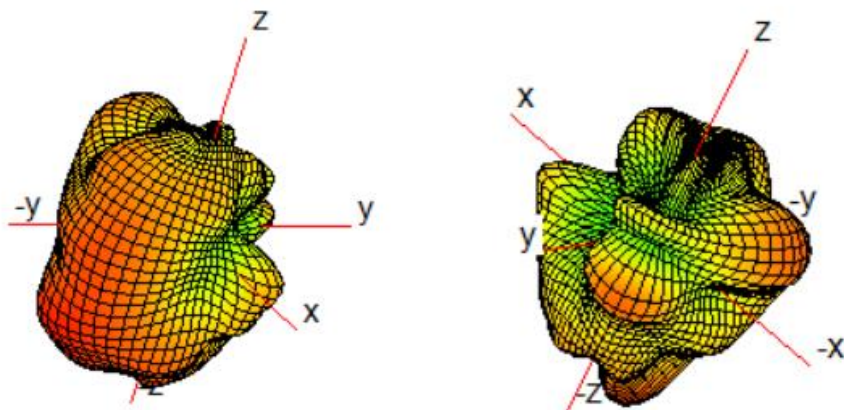


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6300MHz

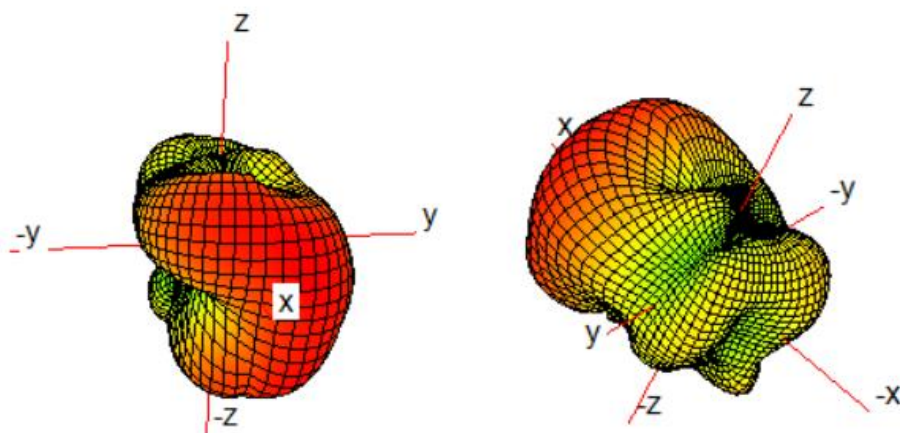


6900MHz



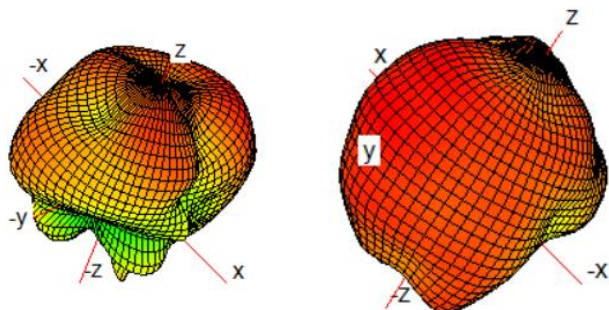
WiFi2:

2440MHz

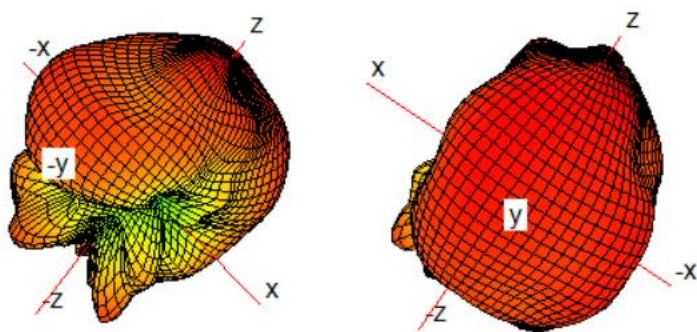


Customer Company: Block, Inc.

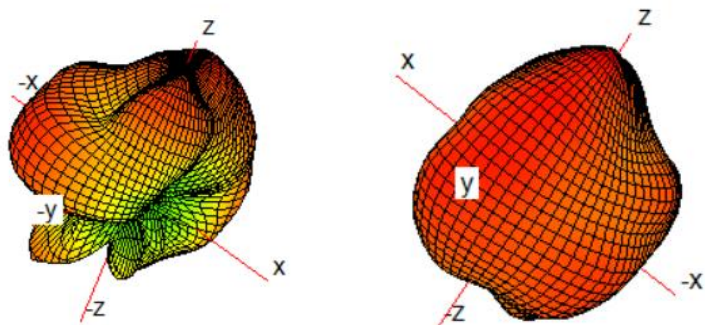
5350MHz



5850 MHz

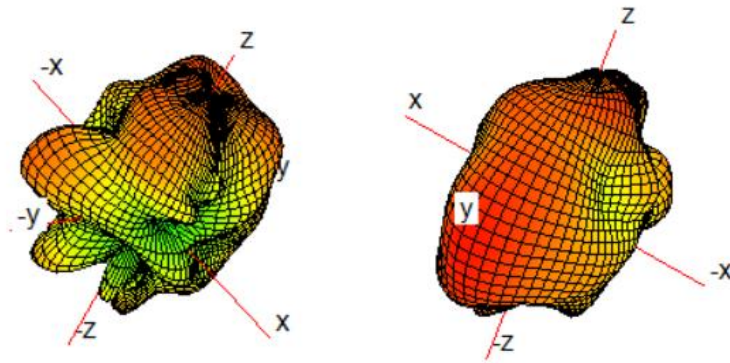


6300MHz



6900MHz

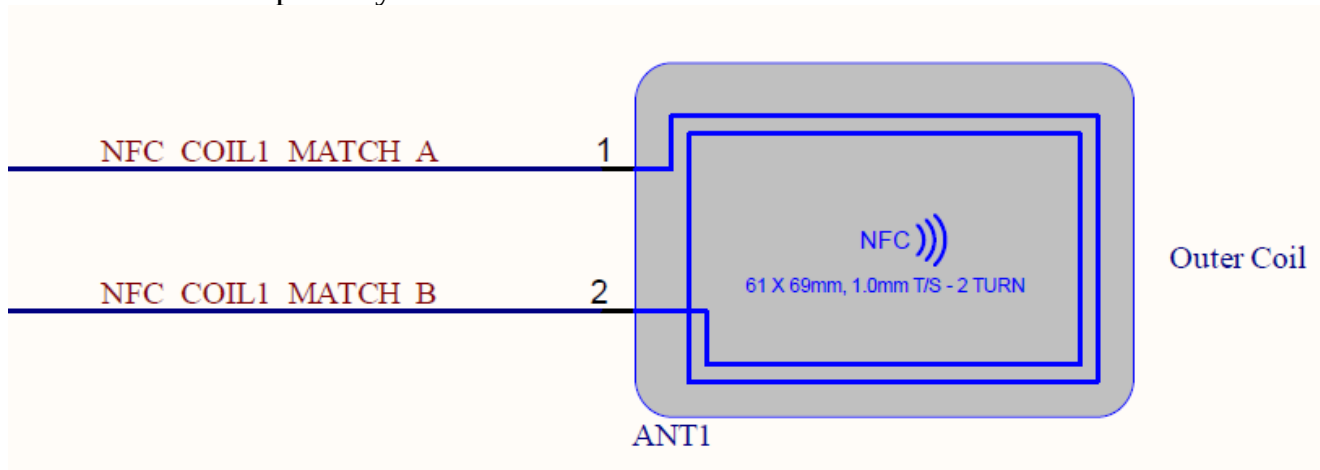
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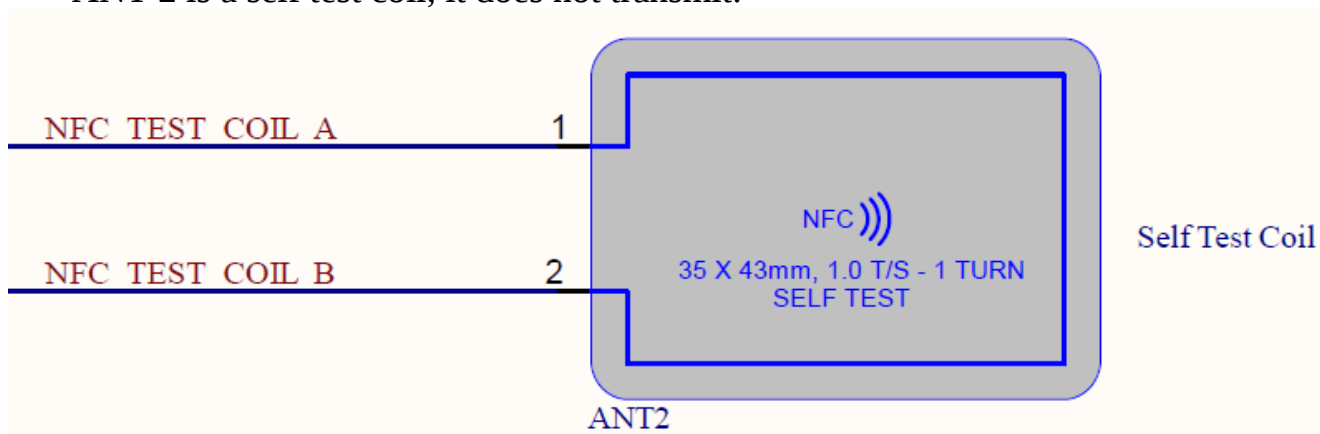
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RFID Antenna Drawing.

- ✓ ANT 1 is the primary coil.



- ✓ ANT 2 is a self test coil, it does not transmit.



- ✓ ANT 3 is the secondary coil

