

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: SQM191-16-000-R WIFI 2: SQM190-16-000-R
Test DATE	2026/09/17
DATASHEET REVISION	V01

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

Frequency	Ant. 1	Ant. 2
2.4GHz	5.7	4.8
UNII-1	7.5	4.4
UNII-2A	8	4.6
UNII-2C	8.6	5.3
UNII-3	7	5.3
UNII-4	5.7	5.3
UNII-5	9.3	5.8
UNII-6	9.3	5.5
UNII-7	8.9	5.9
UNII-8	8.4	5.9

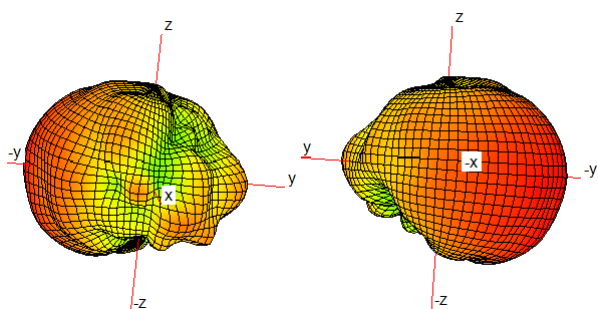
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Freq.(MHz)	WiFi1 peak gain	Freq.(MHz)	WiFi2 peak gain
2400	5	2400	4.8
2450	5	2450	4.7
2500	5.7	2500	4.3
5150	6.6	5150	4.4
5250	7.5	5250	4.4
5350	8	5350	4.6
5450	8.6	5450	5.1
5550	8	5550	5.3
5650	7	5650	5.1
5750	6.6	5750	4.9
5850	5.7	5850	5.3
5925	5.4	5925	5.1
5950	5.8	5950	5.1
6050	7.7	6050	5.7
6150	8.9	6150	5.7
6250	9.2	6250	5.8
6350	9.3	6350	5
6450	8.9	6450	5.5
6550	8.7	6550	5.5
6650	7.8	6650	5.3
6750	7.1	6750	5.5
6850	7.9	6850	5.9
6950	8	6950	5.8
7050	8.4	7050	5.7
7125	7.6	7125	5.1

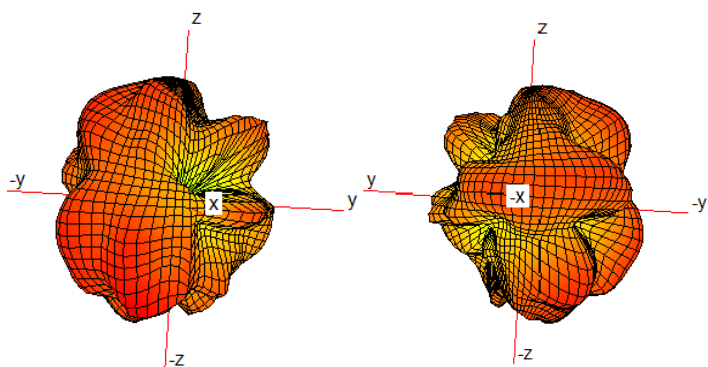
Antenna Pattern:

WiFi-1

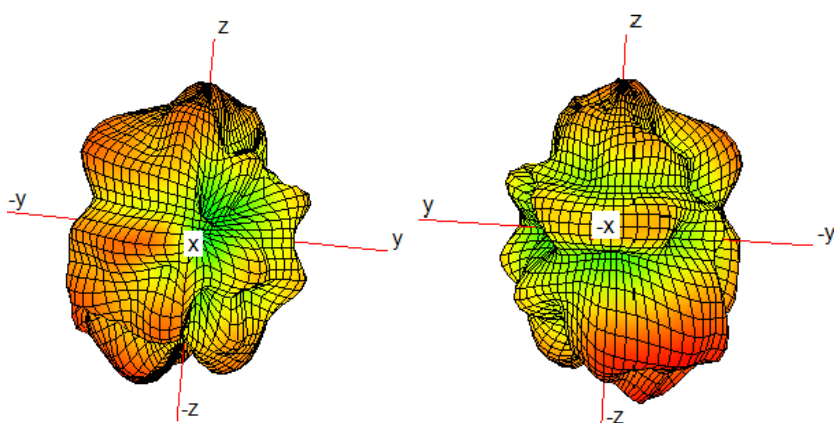
2440MHz



5350MHz

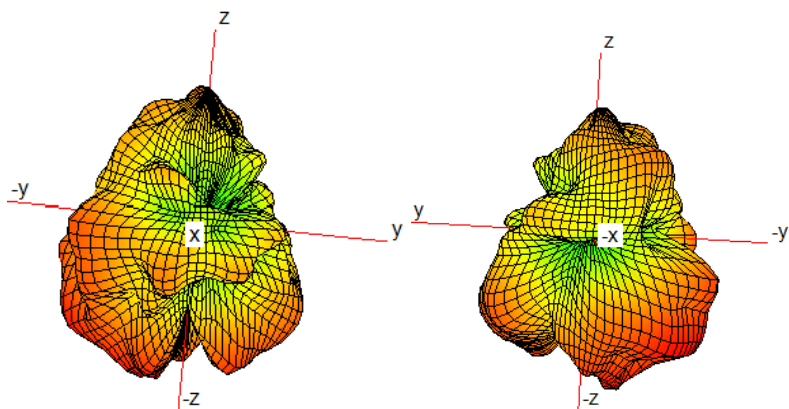


5850 MHz

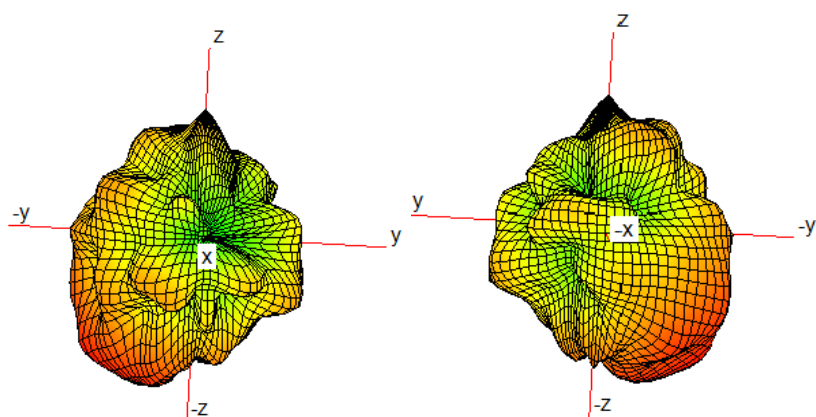


6300MHz

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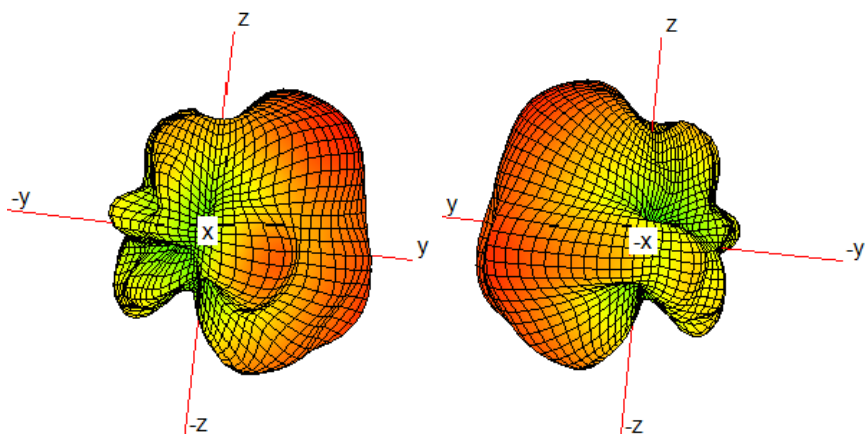


6900MHz



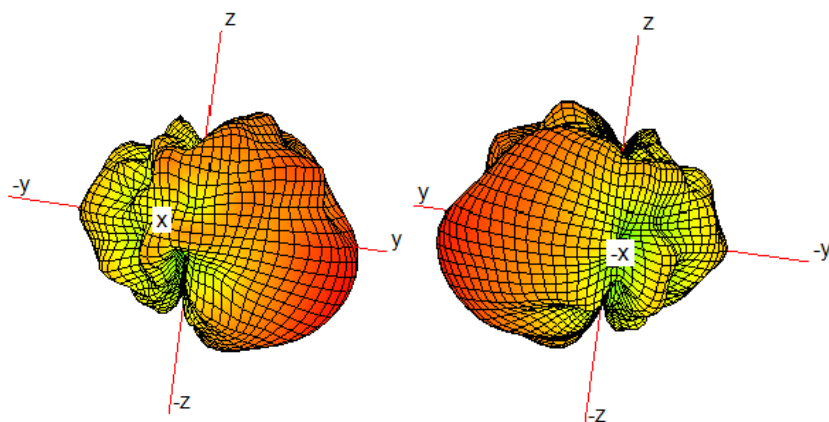
WiFi-2

2440MHz

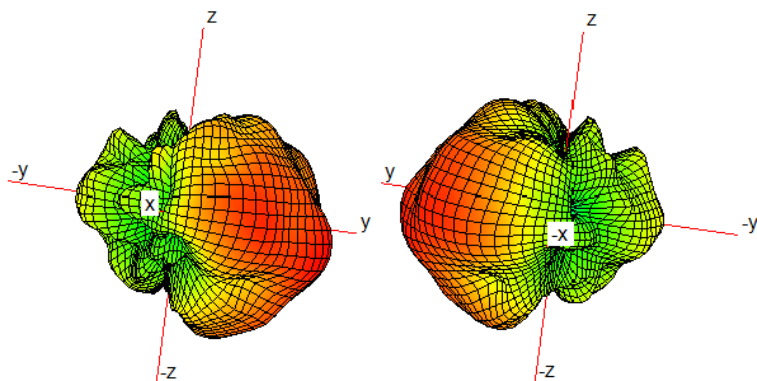


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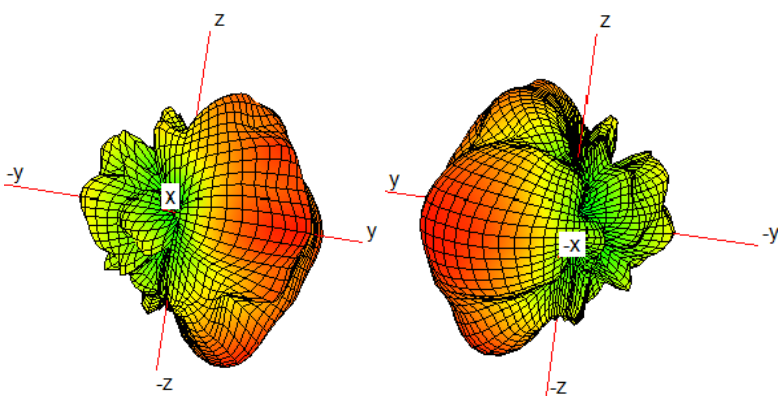
5350MHz



5850 MHz



6300MHz



6900MHz

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