

ANTENNA TEST REPORT

Applicant..... : Robert Bosch GmbH

Address..... : Robert-Bosch-Platz 1, 70839 Gerlingen, Germany

Manufacturer..... : Robert Bosch GmbH

Address..... : Robert-Bosch-Platz 1, 70839 Gerlingen, Germany

Product Name..... : Chip Antenna + Antenna Link

Brand Name..... : BOSCH

Model No. : 71U0

Antenna Part No..... : 71U0-Chip ANT

Measurement Standard..... : IEEE Std 149-2021

Date of Tested..... : May 27, 2024

Date of Report..... : June 04, 2024

Tested by..... : Nandi Chen

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1. Antenna Specification



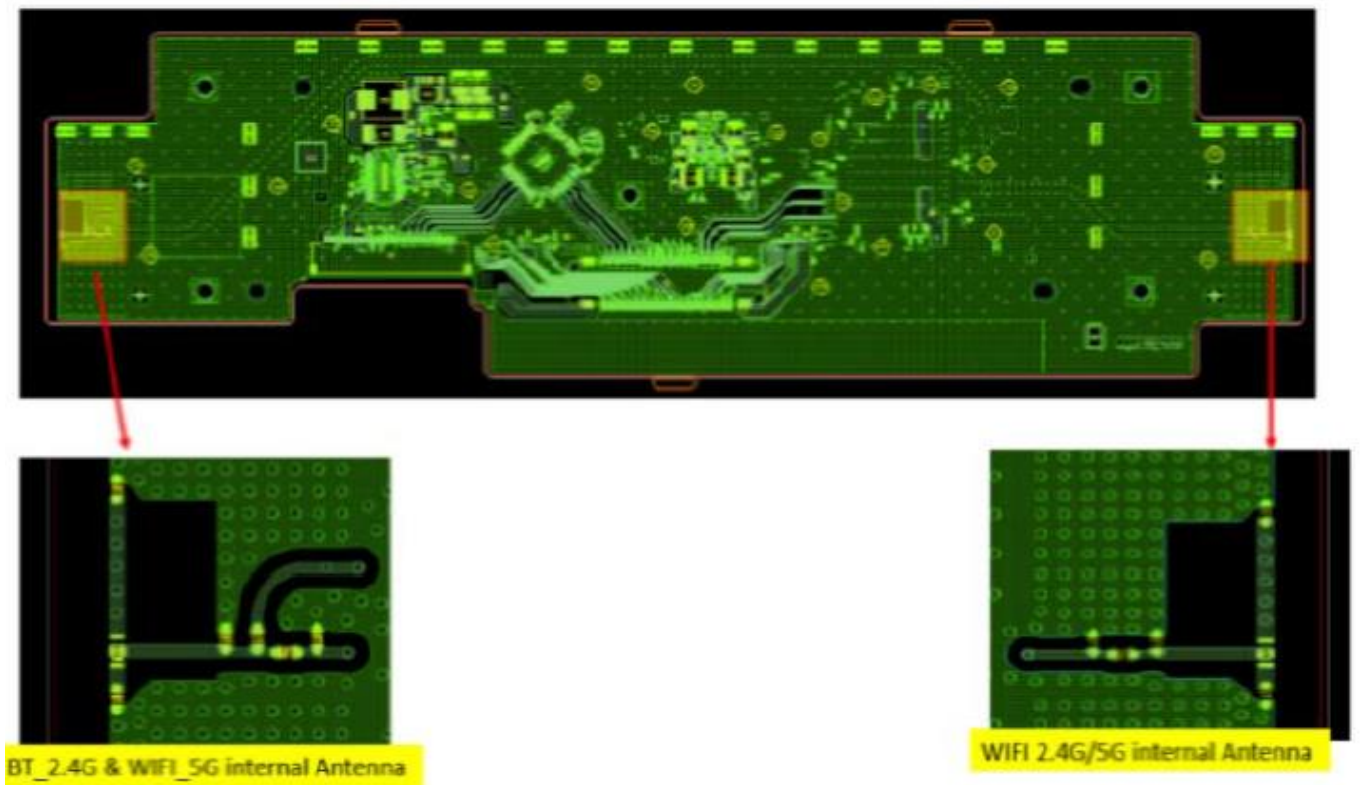
Antenna Size:

Length: 1.6mm

Width: 0.8mm

Thickness: 0.4mm

Antenna Link:



2. Test Facility

Test Site	:	SGS Taiwan Ltd. Wireless Laboratory
Address:	:	No.2, Keji 1 st Rd, Hwaya Technology Park, Guishan District, Taoyuan City, Taiwan 33383.
Tel	:	+886 2 2299 3279
Fax	:	+886 2 2298 0488
Website	:	www.tw.sgs.com

3. Test Standard

No.	Identity	Document Title
1.	IEEE Std 149-2021	IEEE Recommended Practice for Antenna Measurements

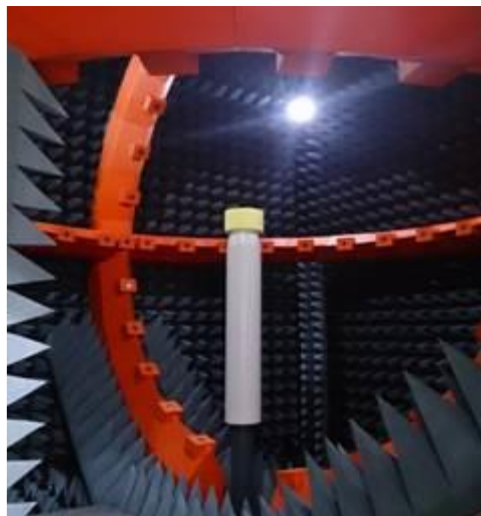
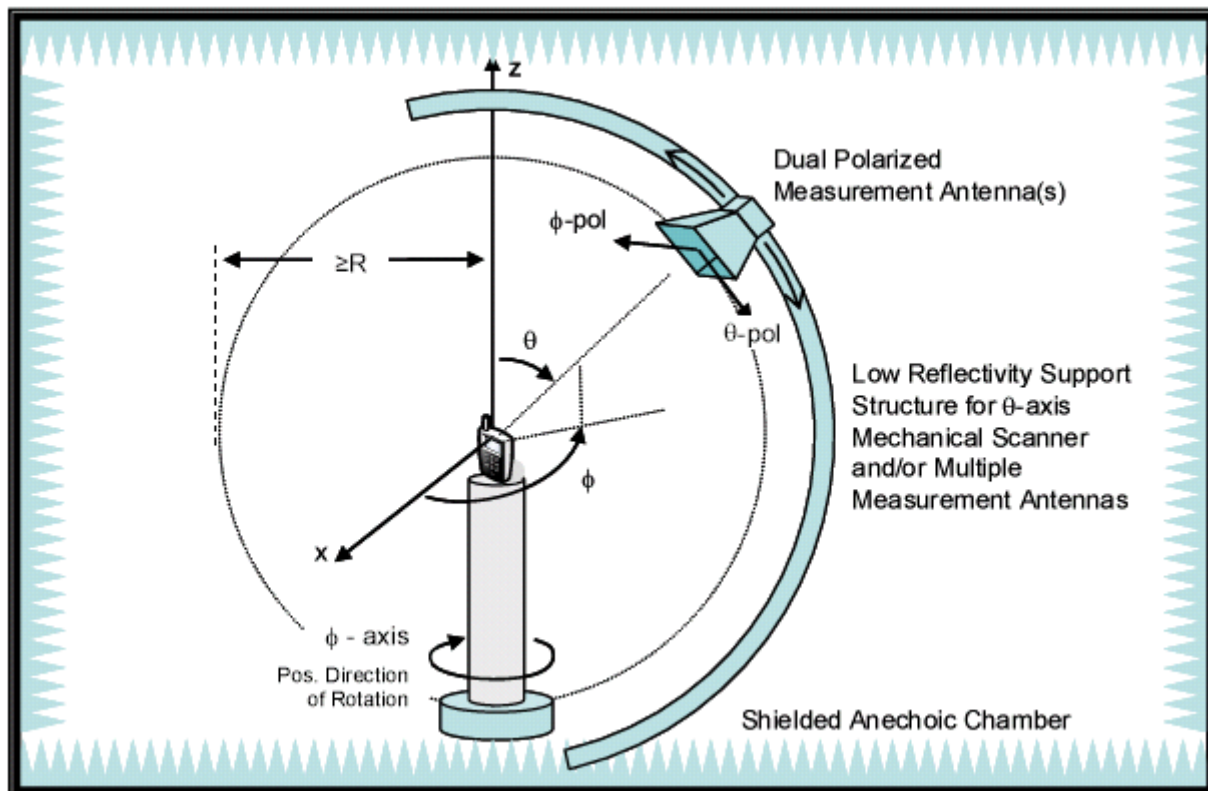
4. Test Equipment

No.	Equipment Name	Manufacturer	Model Name	Serial No.	Cal. Date	Cal. Due date
1	Network Analyzer	Agilent	E5071C	---	2023-12-20	2024-12-19
2.	Sleeve Dipole	MVG	SD740	---	2022-01-07	2025-01-06
	Dual Ridge Horn	MVG	SH800	---	2023-12-14	2024-12-13
2	Stargate-24-L probe array	MVG	Stargate-24-L	---	2023-08-16	2024-08-15
3	Measurement software	MVG	SPM V1.9	---	N/A	N/A

5. Test Environment Conditions

Relative Humidity	< 80 %
Temperature	+22°C ±3°C

6. Test Setup Block Diagram

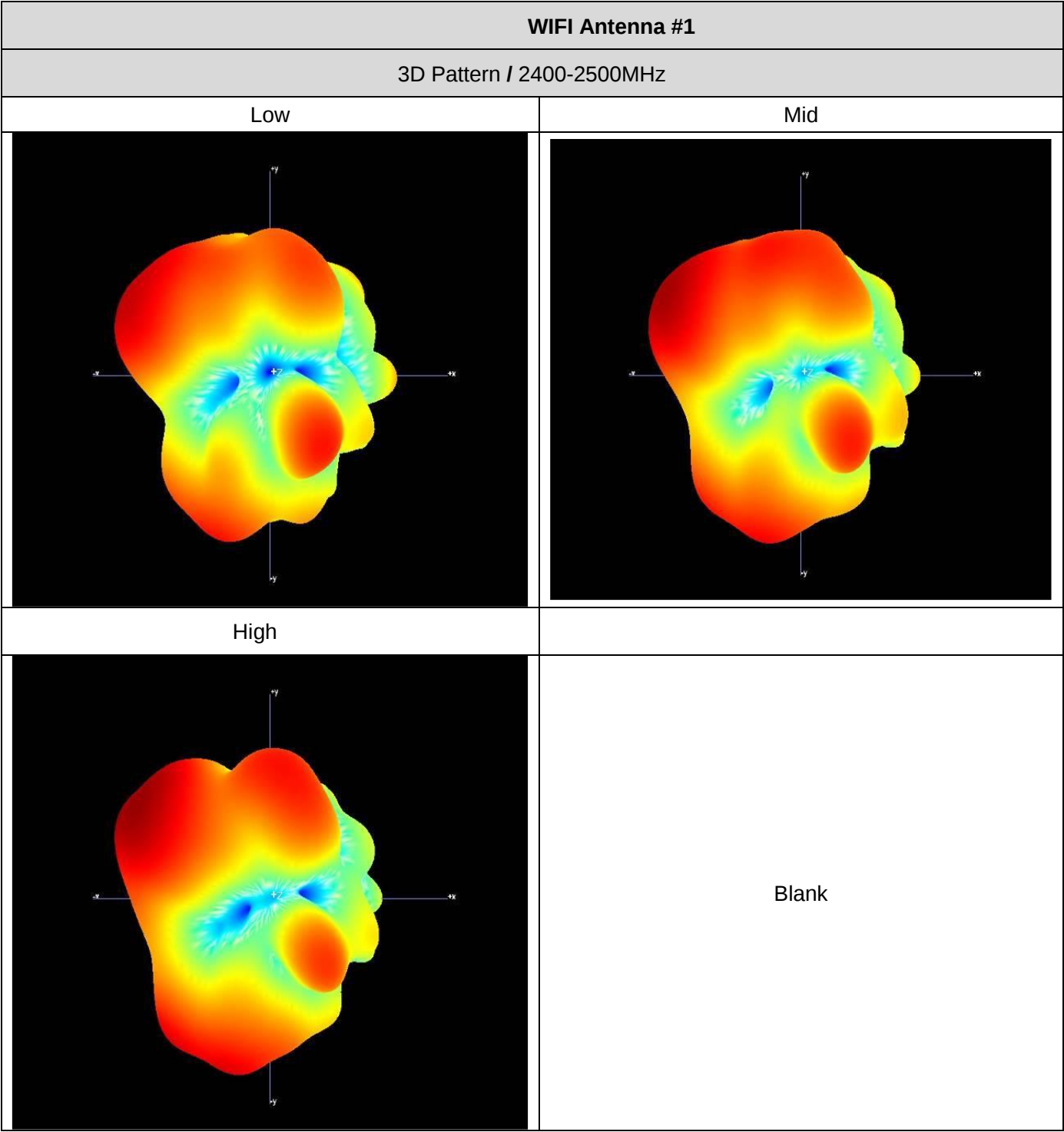


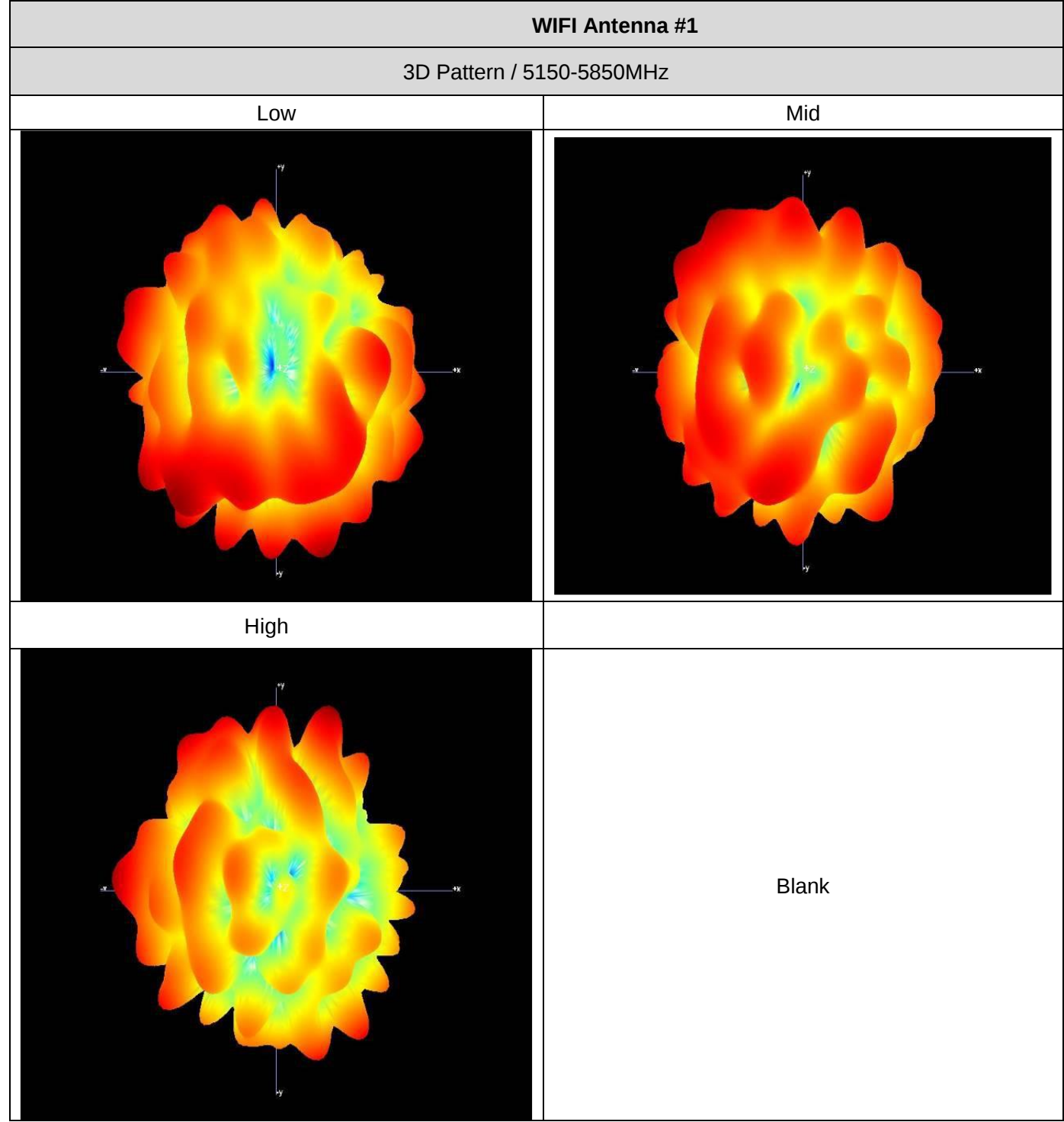
7. Test Results

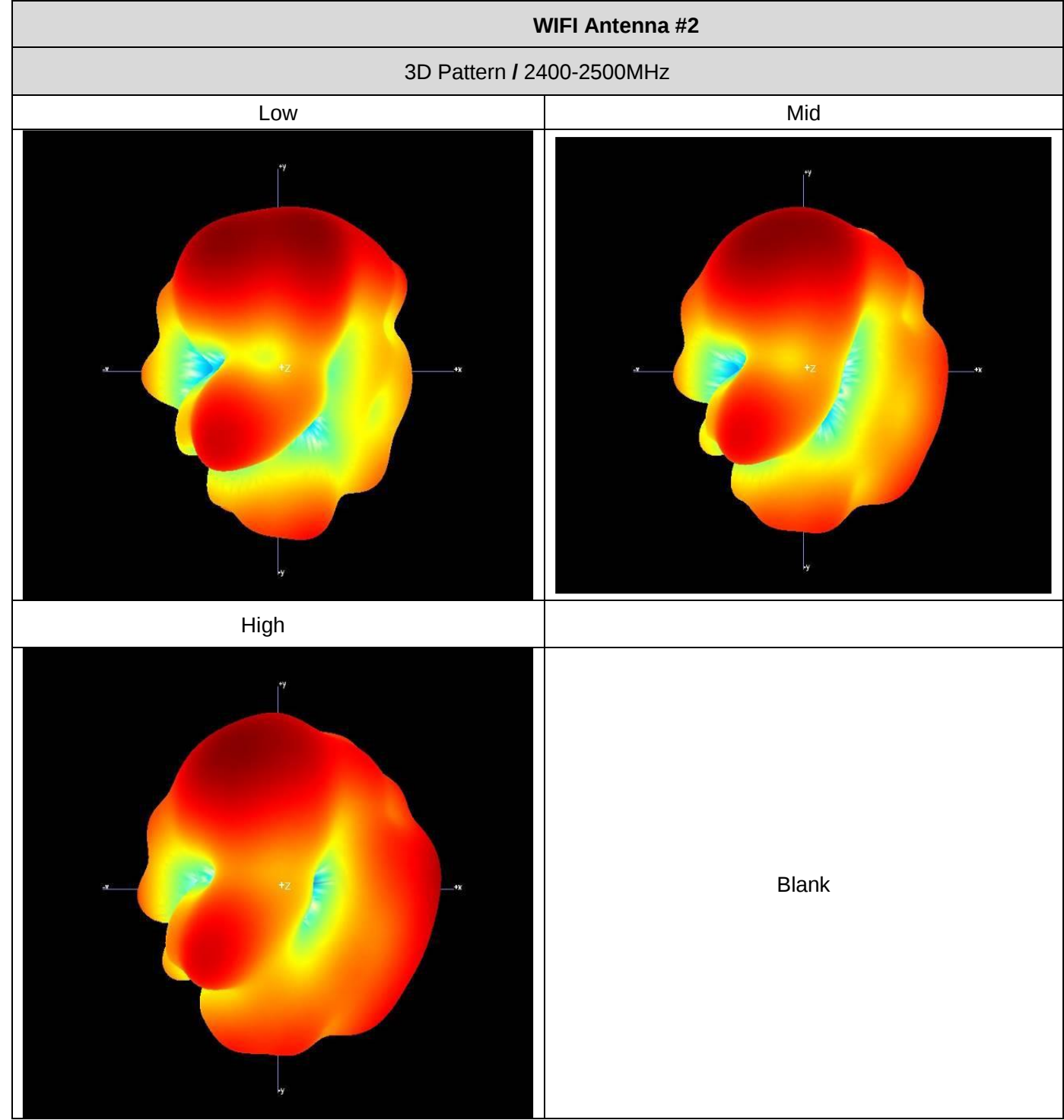
Gain

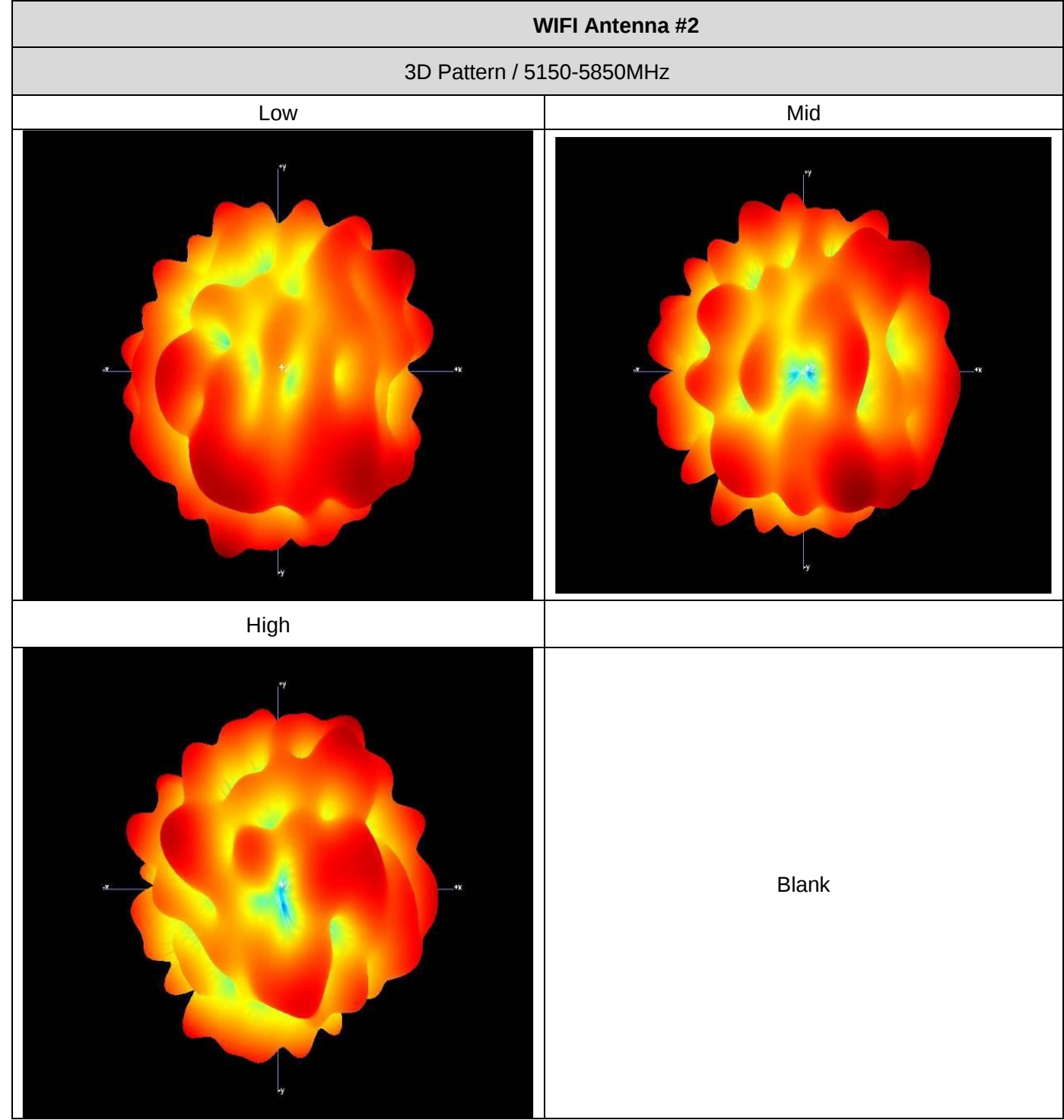
Antenna #1		
Frequency Band (MHz)	PCB AREA Maximum Insertion Loss (dB)	Maximum Peak Gain Gain (dBi)
2400-2500	-3.56	1.87
5150-5850	-6.65	0.59
Antenna #2		
2400-2500	-1.22	2.79
5150-5850	-2.19	2.96

8. Radiation Test Pattern









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