



深圳市联笙科技有限公司

ShengZhen LianSheng Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 Date 2020/12/02

编号 File No SA000844

版本 Revision 1.0

客 户

乐生

CUSTOMER:

客户料号

L1250

CUSTOMER NO:

品 名

WIFI Antenna L总=250MM

供方料号

LSP.A887.B113.01

送样日期 Date:

送样数量 Q"TY:

PCS

客户确认 CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

WenXue

ChenXingcheng

Add: 深圳市龙华新区民治民康路秋瑞大厦 6 楼 609 室 Tel:0755-82885545 MP:13823198410

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13	-	-	-

RoHS
Compatible

CUSTOMER
PART NO

REV.

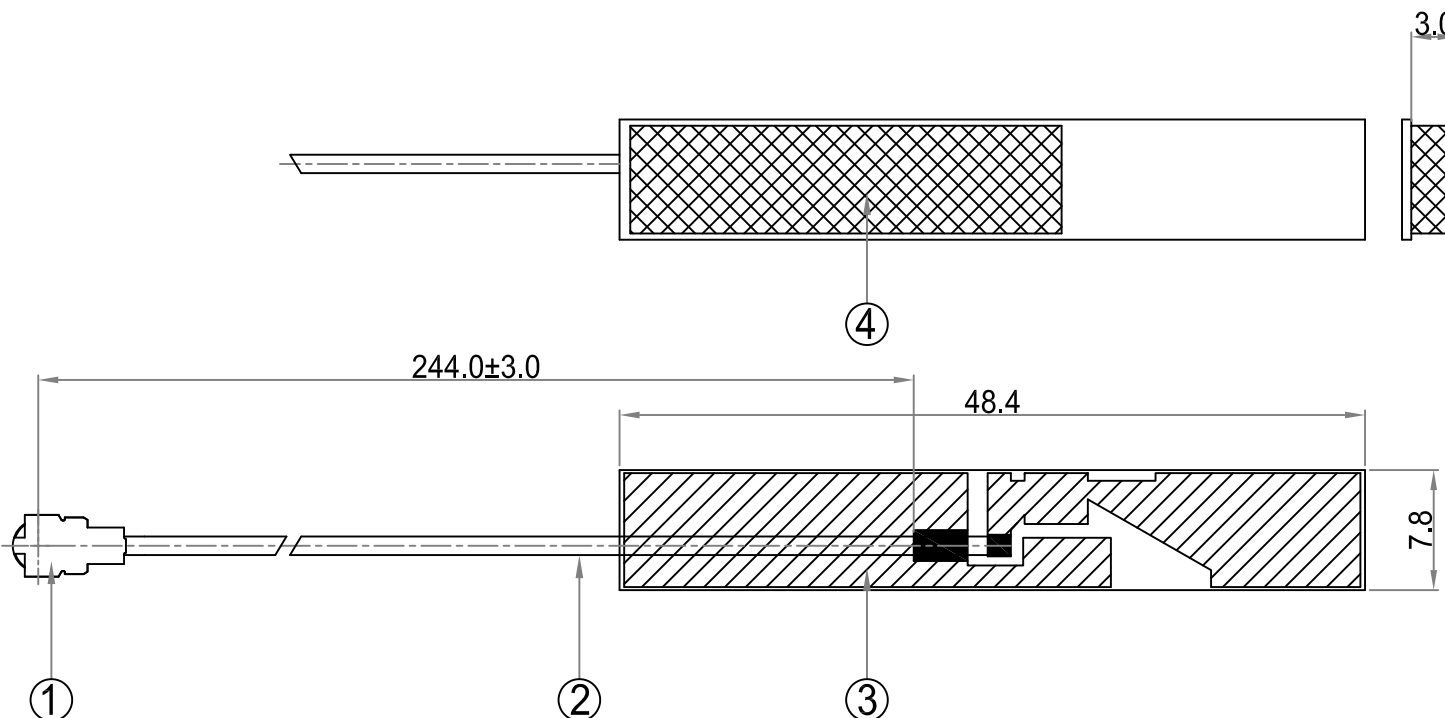


DESCRIPTION

首次发行

DATE

2020-06-18



4	EVA+Paster	28.0*7.0*3.0MM	EVA	EVA1000XA.P01	1
3	PCB Black	48.4*7.8MM	PCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA1000XA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



深圳市联笙科技有限公司

Tel:0755-82885545

ShengZhen LianSheng Technology Co.,Ltd.

MP:13823198410

PART NAME: WiFi Antenna

PART NO.: LSP.A887.B113.01

DATE: 2020-06-18

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

UNITS: mm

SCALE: 1/1

REVISION: A

陈国强

文雪

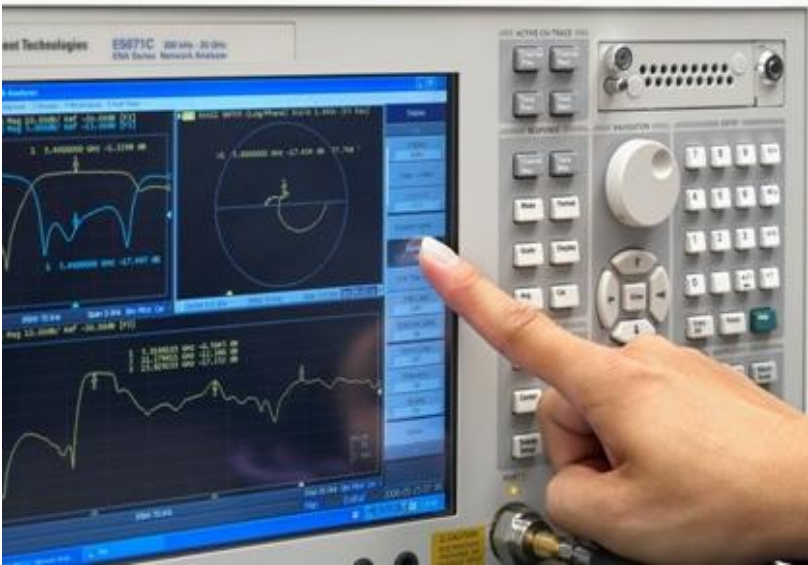
陈兴易

天线规格

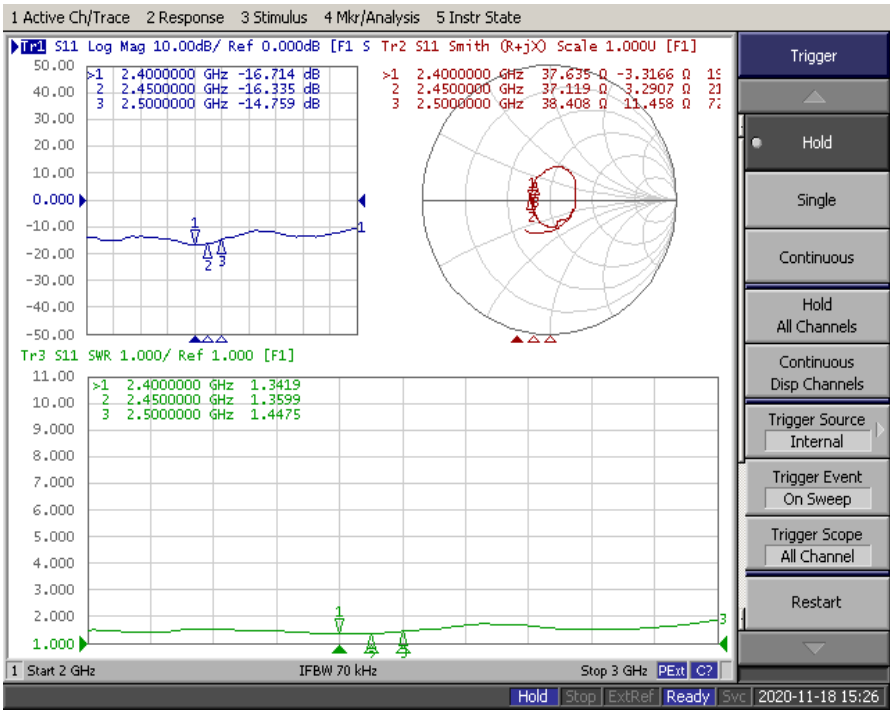
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.3dBi@2.4-2.5GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	244mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity.	25±5 / <70%

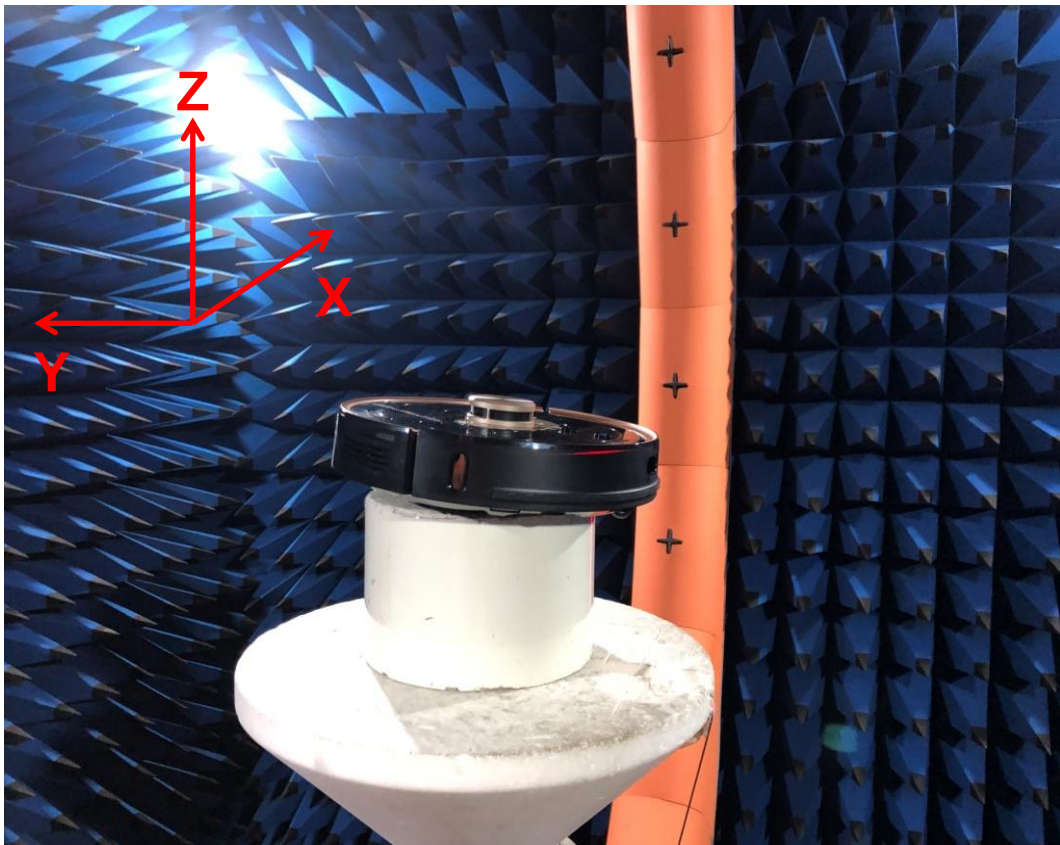
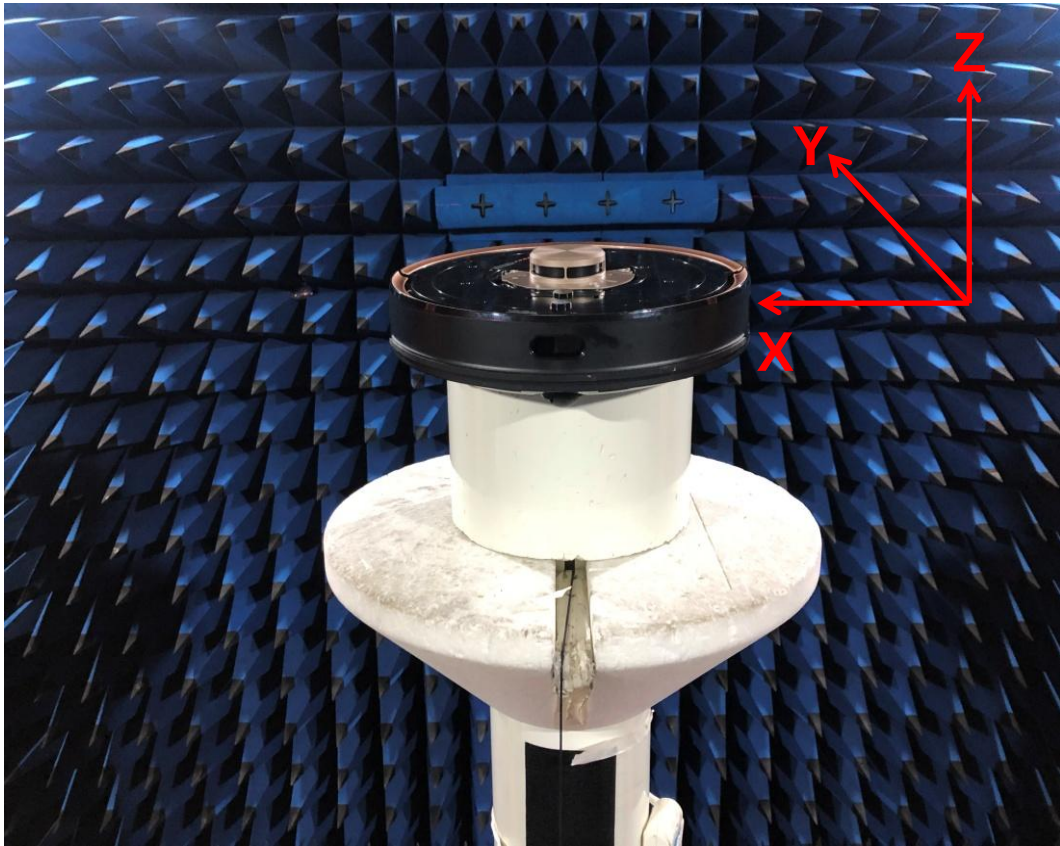
Agilent E5071B



S Parameter Test // WiFi Antenna



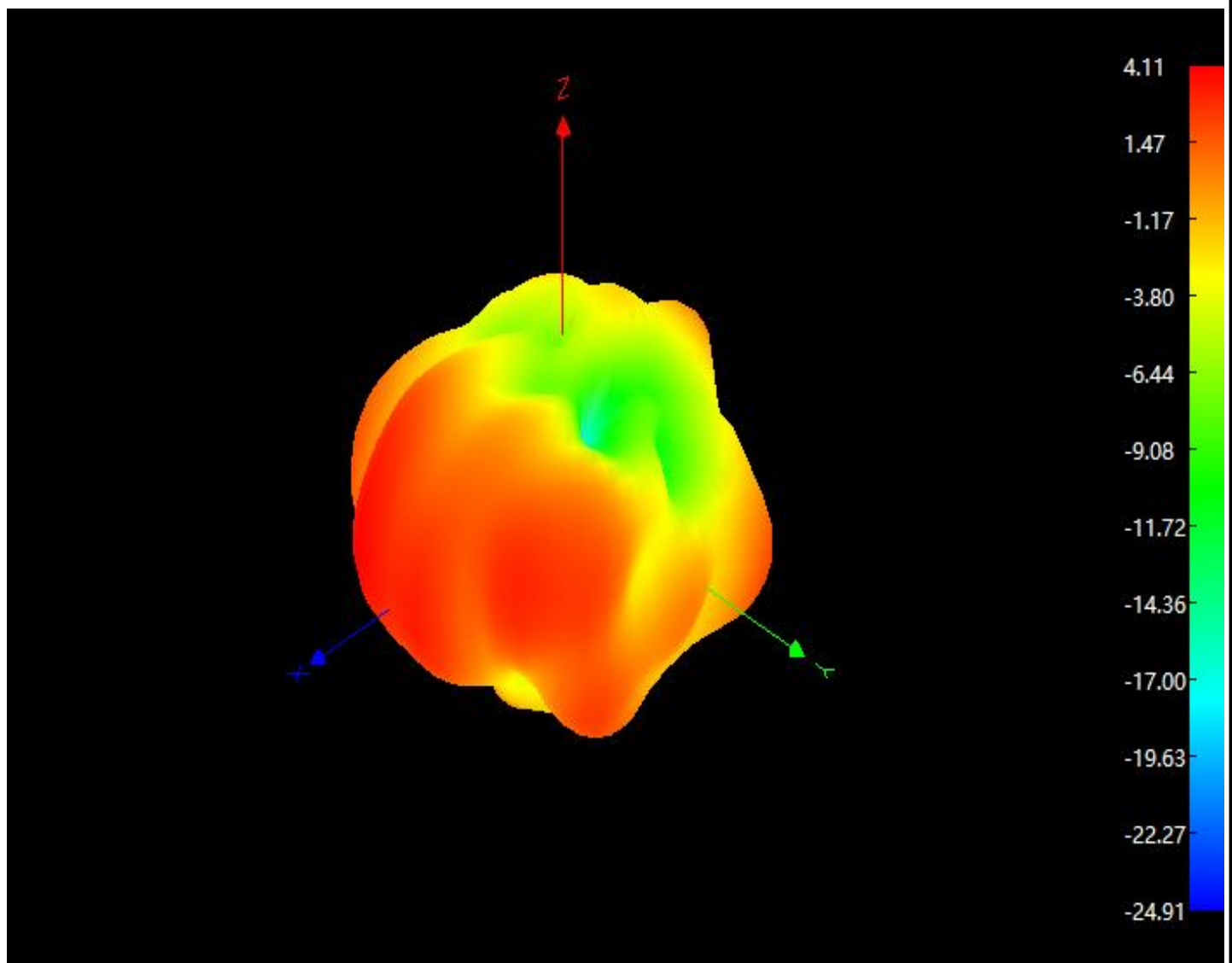
Antenna Passive Test



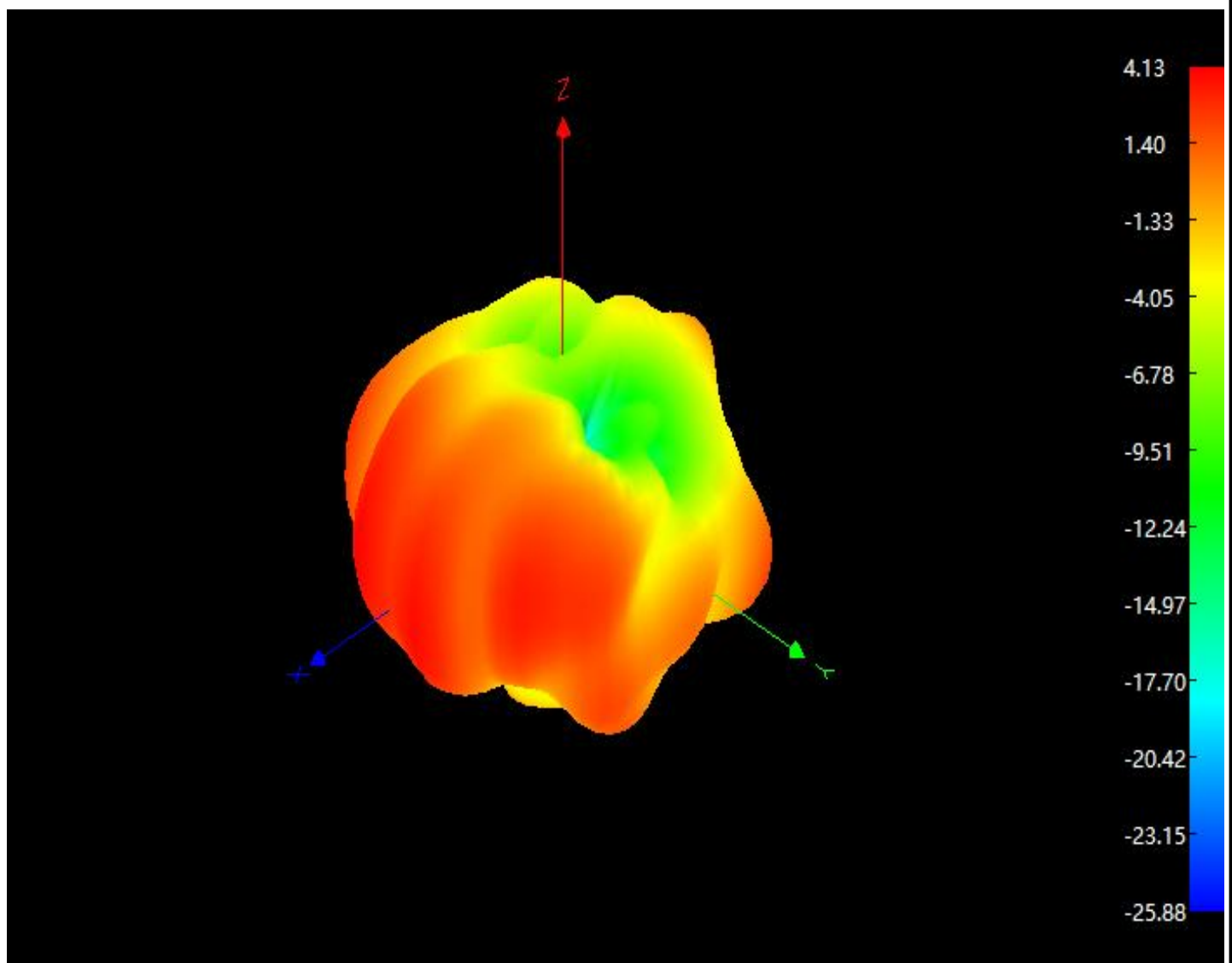
Passive Test For WiFi 2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.7	-2.0	4.1
2410	62.8	-2.0	4.2
2420	61.4	-2.1	4.0
2430	61.2	-2.1	4.2
2440	58.9	-2.3	3.9
2450	59.4	-2.3	4.1
2460	57.7	-2.4	3.9
2470	61.1	-2.1	4.3
2480	59.8	-2.2	4.3
2490	60.1	-2.2	4.3
2500	58.3	-2.3	4.0

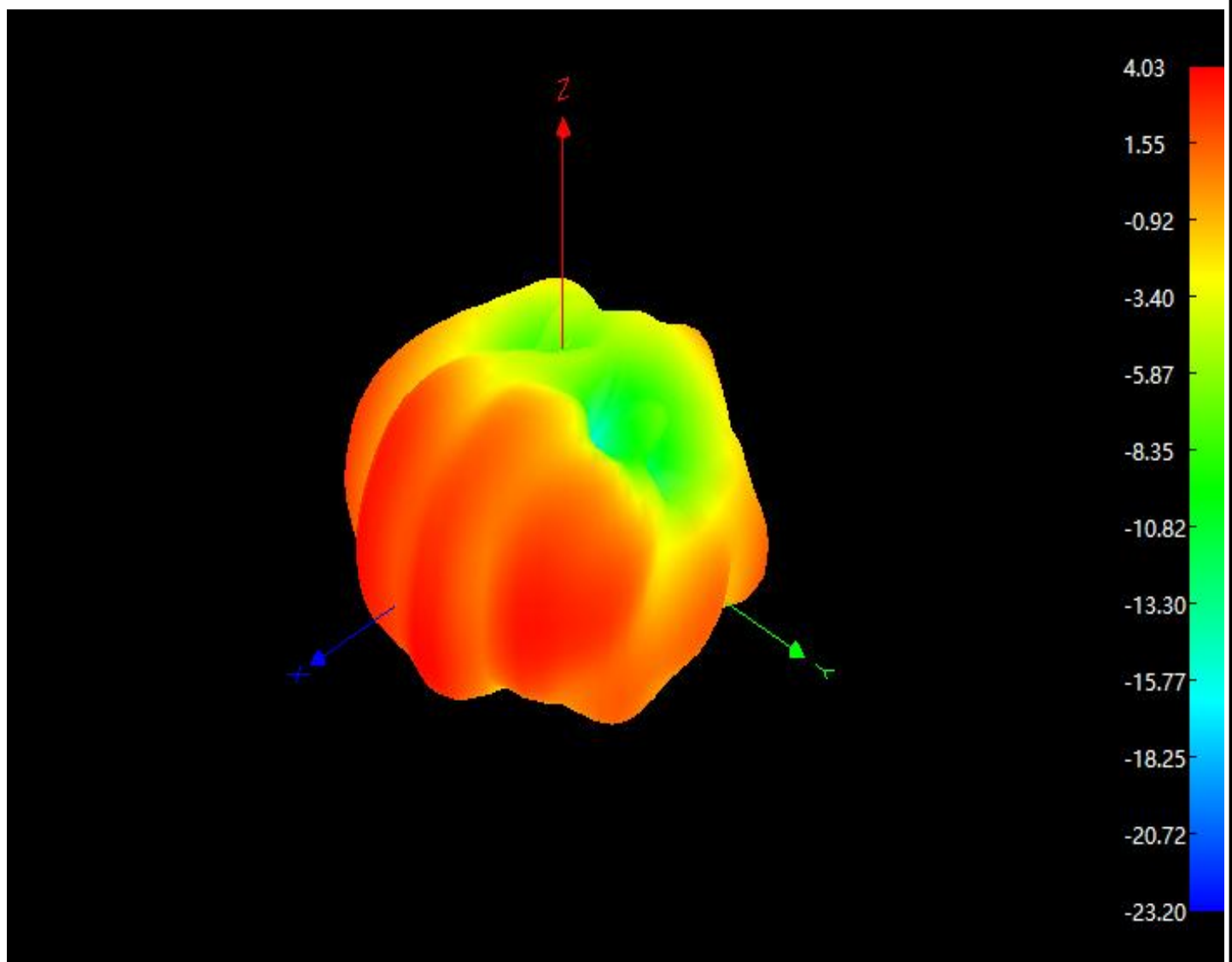
Radiation Pattern For WiFi Antenna(2400MHz)



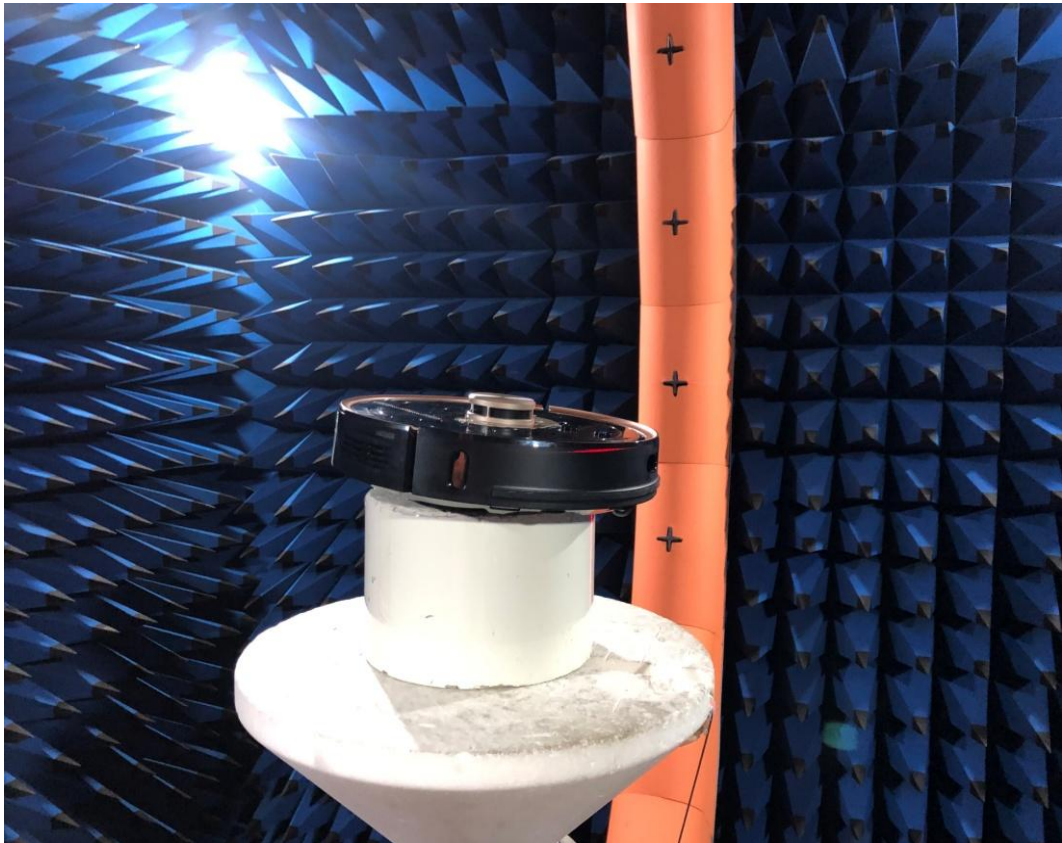
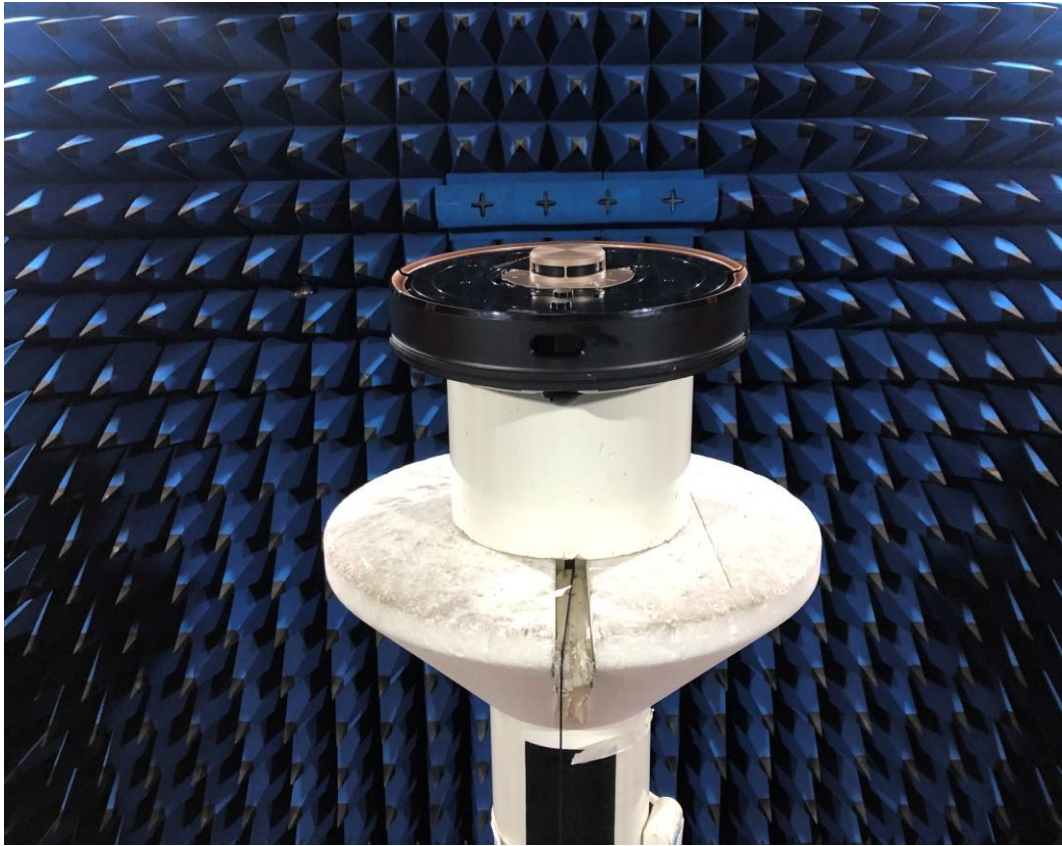
Radiation Pattern For WiFi Antenna(2450MHz)



Radiation Pattern For WiFi Antenna(2500MHz)



Antenna Active Test



Active Test For WIFI

Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11b	1	11Mbps	20.7	27.7	11Mbps	-85.8	-92.0
	6		20.4	25.8		-85.9	-91.4
	11		18.4	24.1		-86.4	-92.1

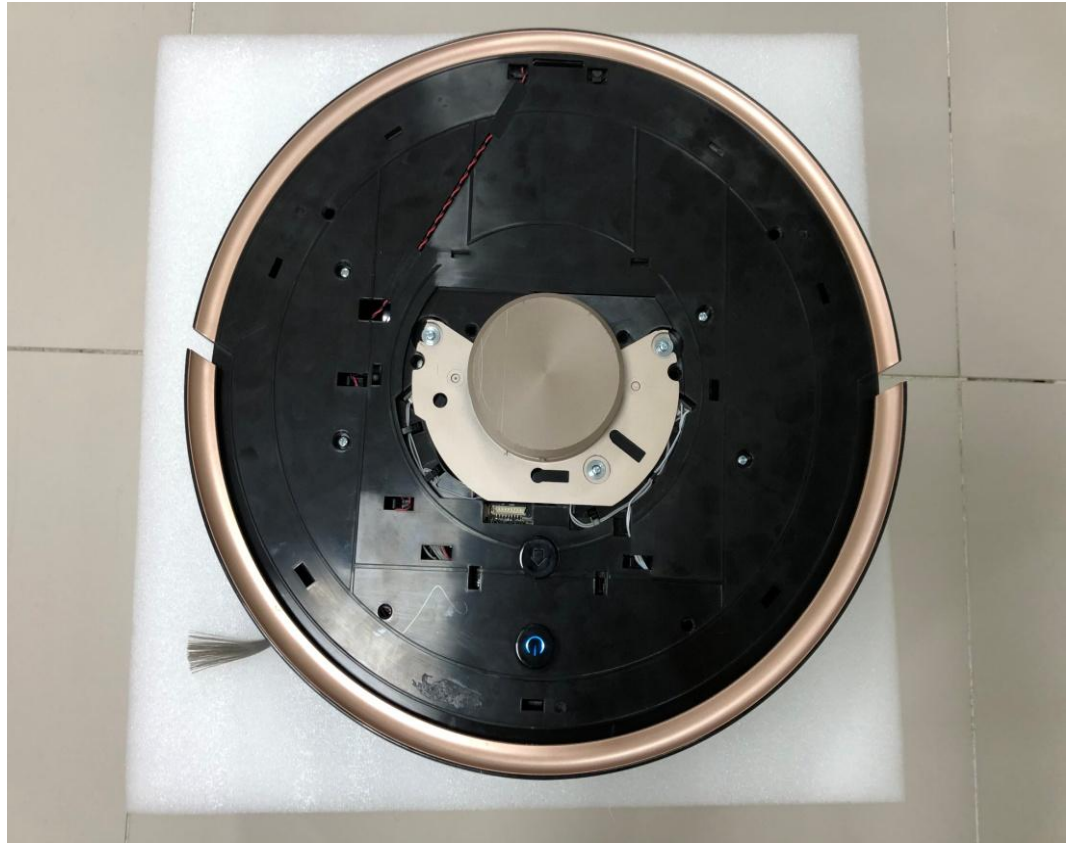
Active Test For WIFI

Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11g	1	6Mbps	13.6	19.3	54Mbps	-70.9	-76.4
	6		14.3	19.6		-72.2	-77.4
	11		12.8	18.1		-72.7	-78.0

Active Test For WIFI

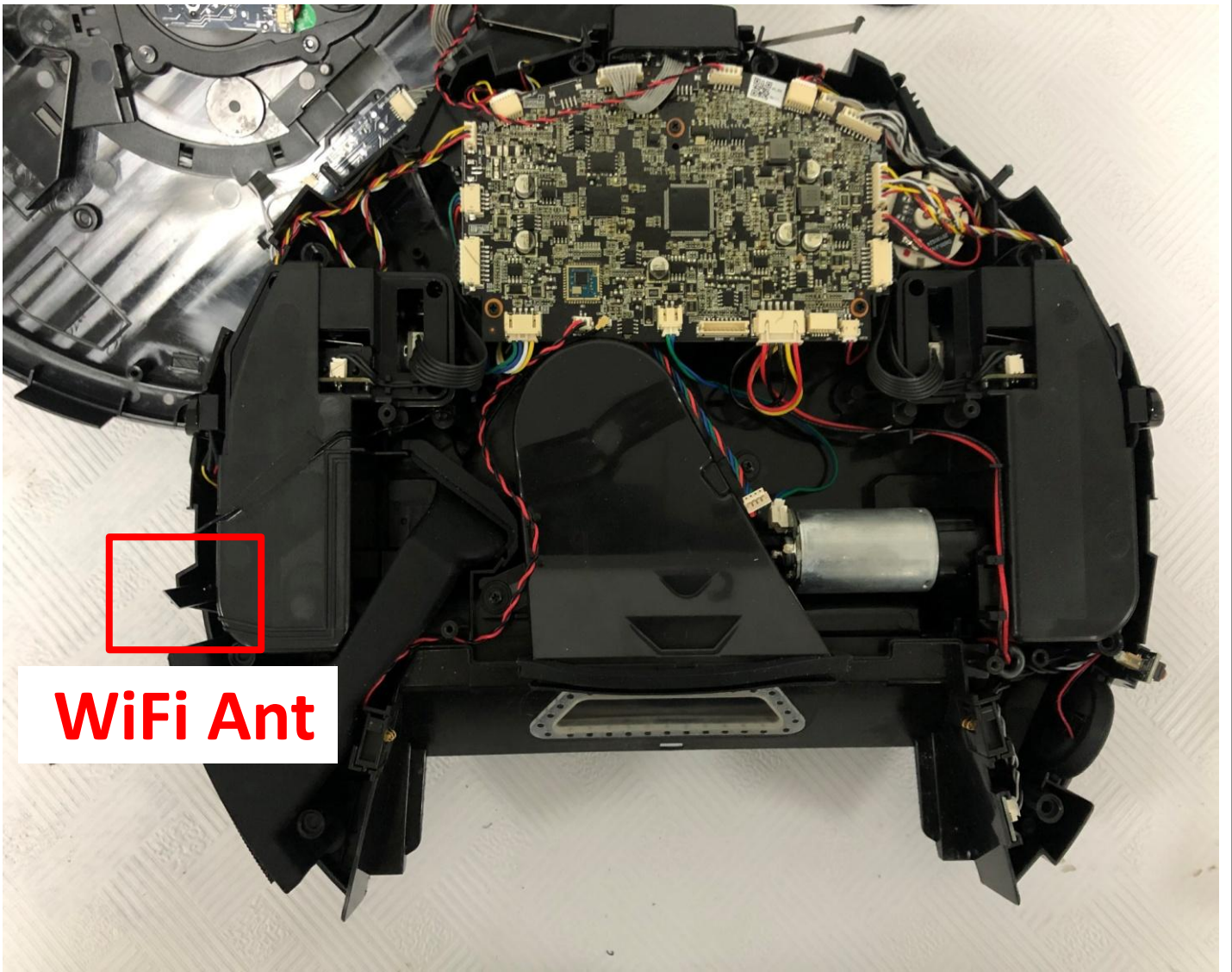
Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11n	1	6.5Mbps	11.4	17.1	65Mbps	-67.2	-73.0
	6		12.4	17.4		-67.8	-72.5
	11		11.0	16.3		-68.6	-73.9

Device



WiFi Antenna





WiFi Ant