
SPECIFICATION FOR APPROVAL

Customer Name: **ShenZhen JOYHONG Technology CO.,Ltd**

Product Model: JT156G-H01

Customer P/N : Y020104010138

X INHENG YANG P/N: CP. 21. 0000071

SPEC IFFICATIONS: 2. 4G+5. 8G PCB + 170 MM

Production date: 2024. 07. 10

Sample Version: V1

(XINHENG YANG)		
(FICTION)	(SE)	(R&D)
(Customer)		
(PUR)	(QC)	(R&D)

R & D, production and sales of professional wireless terminal antenna

[illegible]

(The basic parameters)

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ 5150MHZ~5850MHZ
VSWR	<2.00
Avg Efficiency	2.4G > 55% 5.8G > 45%
Impedance	50 ± 15 Ohm
Polarization	Linear
Peak Gain	2.4G:4.53 dBi 5.8G:3.63 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	Φ 170MM*1.13MM±2MM
Connector Type	31.50MM*14.40MM*0.80MM±0.2MM
Dimension	
C. Environmental	
Operation Temperature	- 20 ° C ~ + 60 ° C
Storage Temperature	- 30 ° C ~ + 70 ° C

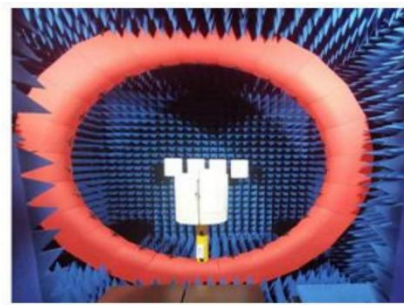
Introduction:

Microwave darkroom and no reflection chamber, absorbing short wave darkroom dark room. Microwave darkroom by electromagnetic shielding room, filtering and isolation, grounding device, the ventilation duct, indoor distribution system, monitoring system, ceiling wave material part. It is based on the wave absorbing material as the lining of the shield room, it can absorb the most of the electromagnetic energy into the six wall is a better simulation of the free space conditions.

The main working principle of microwave anechoic chamber is according to the electromagnetic wave in the medium from the low magnetic guide magnetic direction of propagation rules, absorbing materials to guide the electromagnetic wave using high permeability, through resonance, a substantial absorption of electromagnetic wave radiation energy, by coupling the electromagnetic energy into heat energy.

main performance :

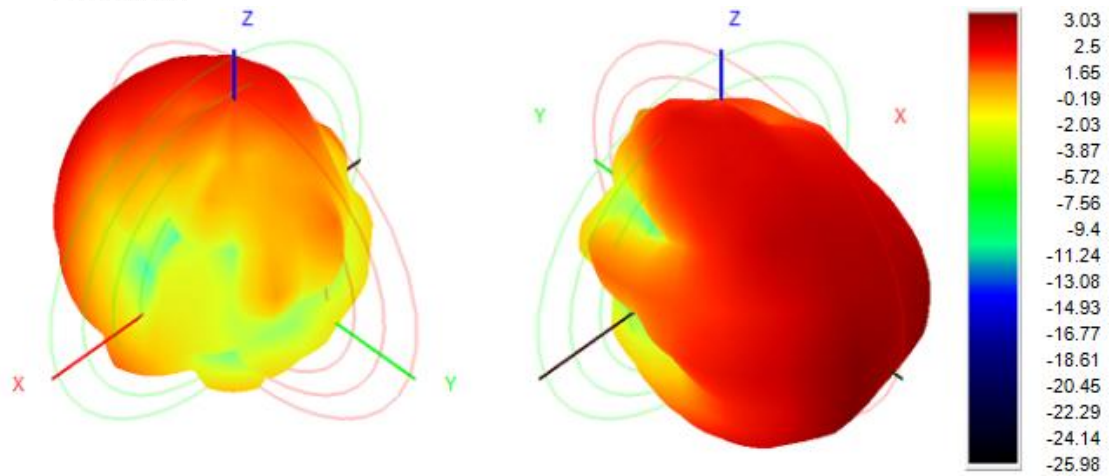
Frequency range:400MHz ~ 6GHz ceiling reflected wave loss materials: 400MHz ~ 6GHz is equal to or more than 15dB (microwave absorbing material by composite wave absorbing materials, namely tapered containing carbon sponge suction wave material paste in ferrite).



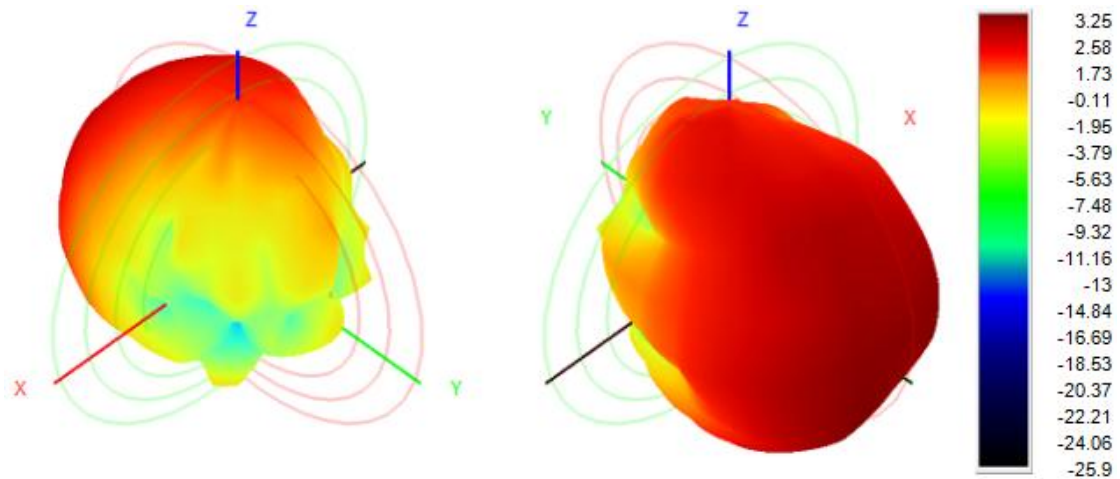
2. Antenna passive field pattern and passive efficiency gain

table:

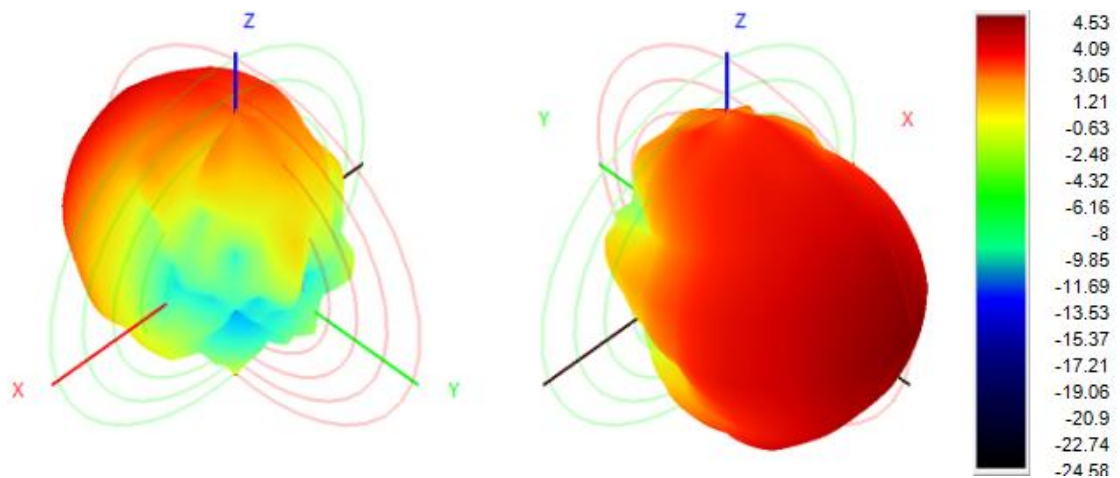
2400MHz:



24500MHz:

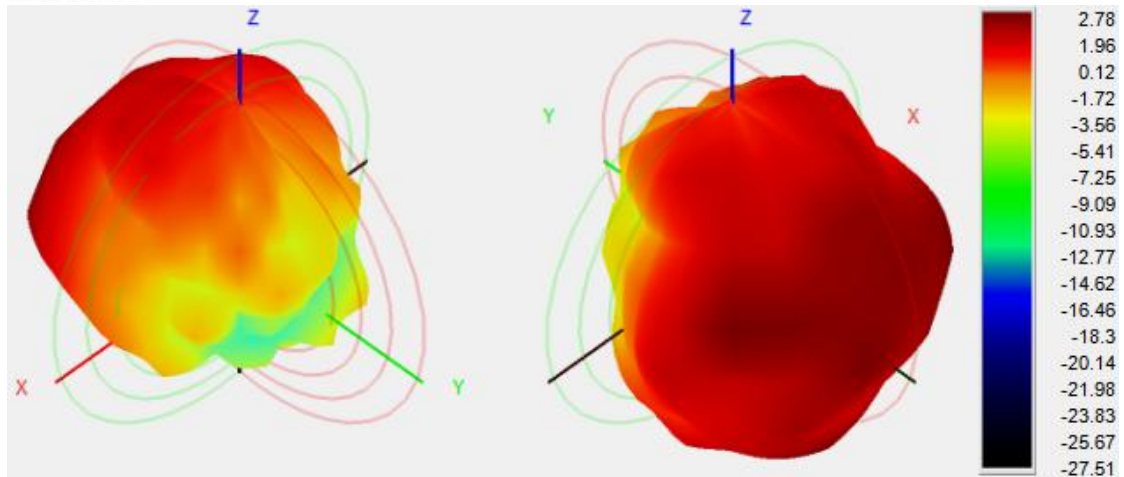


2490MHz:

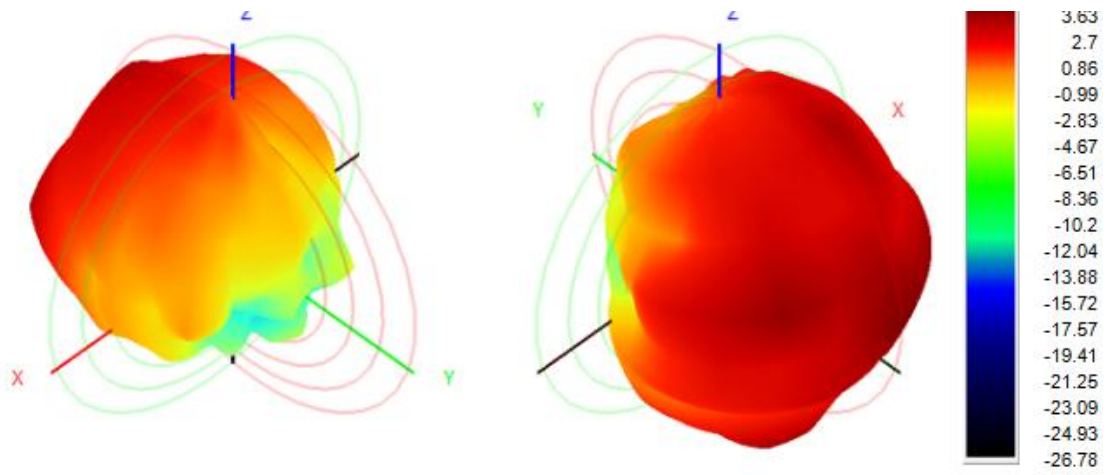


Frequency	ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1		2400.0	3.03	57.60
2		2410.0	3.03	58.15
3		2420.0	3.09	58.44
4		2430.0	3.27	59.55
5		2440.0	3.31	59.82
6		2450.0	3.25	60.55
7		2460.0	3.56	62.06
8		2470.0	4.03	62.80
9		2480.0	4.34	62.83
10		2490.0	4.53	62.41
11		2500.0	4.52	61.21

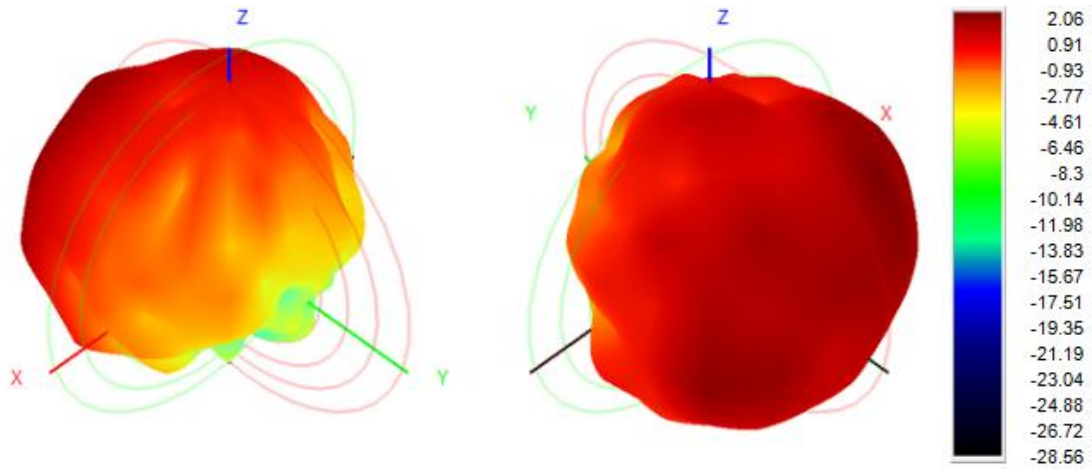
5150MHz:



5400MHz:



5850MHz:



Frequency	ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1		5150	2.78	53.53
2		5200	3.02	51.91
3		5250	3.15	55.20
4		5300	3.34	55.07
5		5350	3.27	53.58
6		5400	3.63	53.94
7		5450	2.92	56.19
8		5500	2.84	50.54
9		5550	3.10	50.50
10		5600	2.52	54.53
11		5650	2.12	50.99
12		5700	2.37	48.65
13		5750	2.56	55.75

14	5800	2. 57	53. 38
15	5850	2. 06	48. 36

八、 ROHS

Antenna XHY-JT079H-A03P. A0092 WIFI-V1.0 meets ROHS requirements.

九、 Product packaging instructions

A. packing should meet the moistureproof, vibration, pressure and mildew proof, etc.

B. the smallest packing unit logo must have the manufacturer trademarks, product model, name, code and quantity.

C. in the attached packing list, certificate of approval, and the factory inspection report.

*****END*****