
Project :Y202503190637

Date. 2025.03.24

REV: A1

Antenna SPEC

Name: NINGBO MAYE ELECTRIC APPLIANCE TECHNOLOGY CO., LTD.

Project: Holiday Jukebox with Bluetooth® technology

P/N: AG-041333-1963

Spec. : PCB antenna

Sealed by corporation:

compilation	ver i fy	approval
Huangfeihui	Zhangshiyang	Liu lihua

Sealed by customer:

check	verify	approval

Document making / revising / abolishing resume

[illegible]

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3、Product drawing

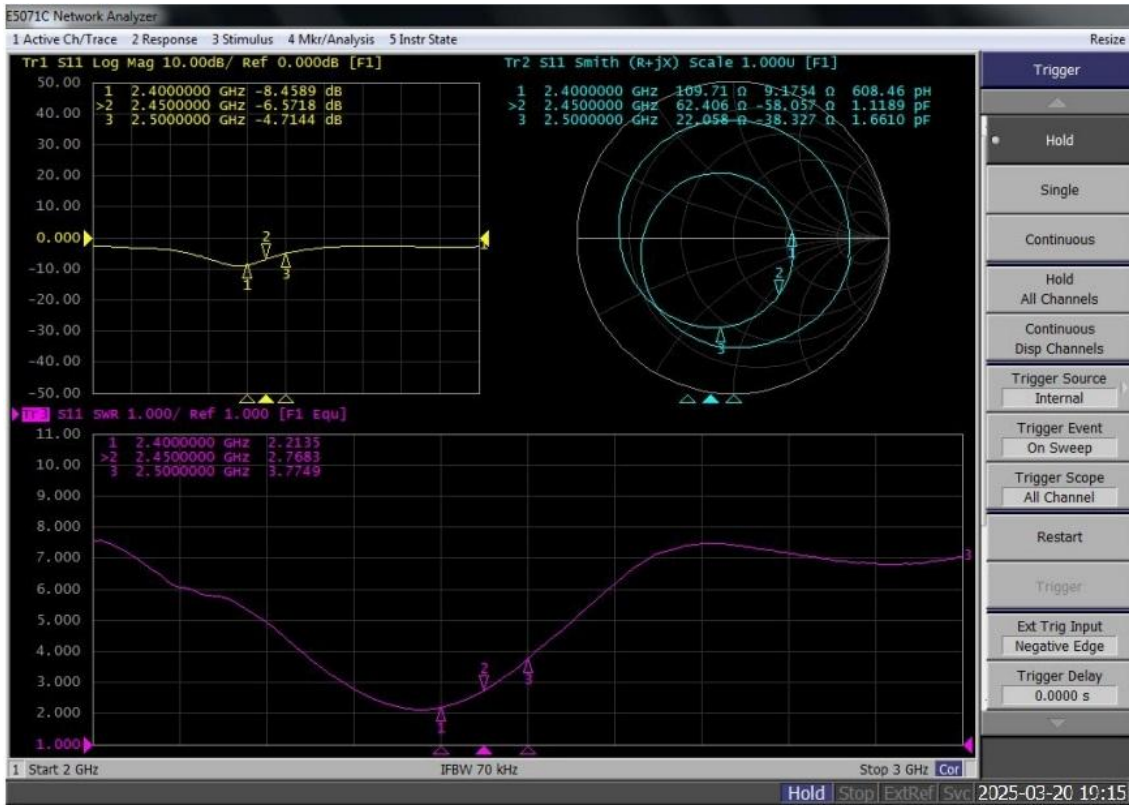


4、Properties ¶meter

Electrical Parameter	
Freq Range	2400~2500MHz
Characteristic Impedance	50 Ω
VSWR	sample of reference project
The Max input power	<10w
Polarization mode	Polar linearization
Radiation mode	Omni directional
Connector style	terminal
Environment parameter	
Operating Temp	-30°C~65°C

5、Electrical test report

S11 Parameter



Electrical Performance Test Parameter Table

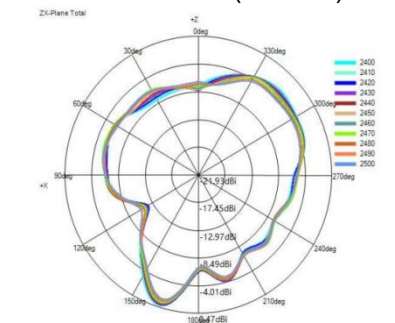
Frequency/MHz	2400	2450	2500
VSWR	2.2135	2.7683	3.7746

Gain & efficiency

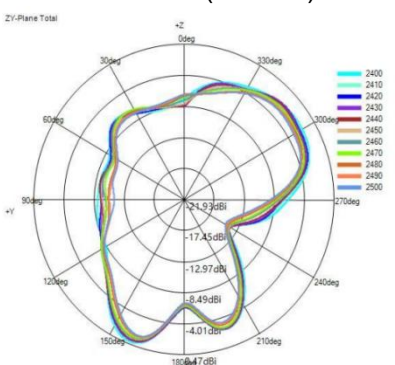
Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	0.00	-0.17	-0.20	-0.22	-0.39	-0.41	-0.52	-0.60	-0.85	-0.88	-0.86
Efficiency/%	29.44	28.76	28.32	28.45	28.00	27.32	27.36	27.22	25.51	24.85	24.39

Radiation pattern

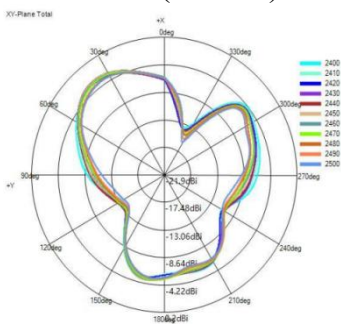
X-Z Plane(unit:dBi):



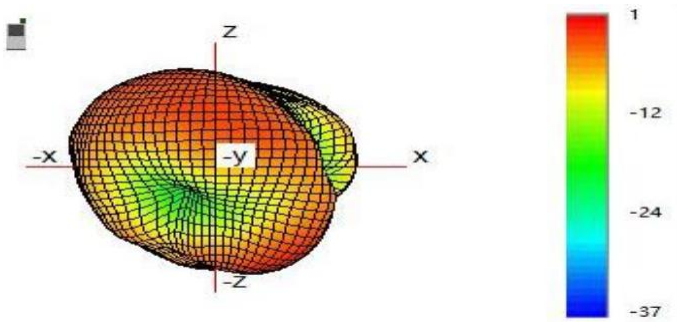
Y-Z Plane(unit:dBi):



X-Y Plane(unit:dBi):



Typicall Free Space 3D Radiation Pattern at 2400MHz(unit:dBi)



6、 LABEL CRITERION

P/N : AG-041333-1963			
Spec. : PCB antenna			
一、 contents of label(according to the customer's name, refer to the corresponding finished product label production requirements. If there is no requirement, it will follow the ordinary label requirements.)			
Label for PE bag/ carton, L:10cm;W:6cm			
buyer	*****		
vender	*****		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
Q'ty/Unit	*****	Manufacture date	**** ** *
Trace code	*****	Running water number	*****

Label for PE bag/ carton, L:10cm;W:6cm			
buyer	*****		
vender	*****		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
Q'ty/Unit	*****	Manufacture date	**** ** *
Trace code	*****	Running water number	*****

7、 Diagram of complete antenna

