



Test report

versions : V1.0

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project information			
project name	D51-WIFI	Model	POS
Antenna type	PCB	Solution Company	
Antenna system		Date	
notes:			

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R&D equipment



The company has one set of Satimo SG24 OTA testing system, the most advanced in the communication industry in France , 2 sets of ETS OTA standard testing system , Bluetest reverberation darkroom 1 set , 1 set of MicroPross NFC testing system , Can provide customers with accurate testing reports quickly and stably , Fully compliant with CITA standards , Support active passive testing of various standards such as GSM/CDMA/WCDMA/TD/LTE/WIFI/BT/GPS/MIMO.

The MicroPross NFC system can meet the testing requirements of various operators , Perform rapid performance testing on NFC devices and output formal certification test reports.

Explanation of nouns

dB <i>i</i>	Decibel relative isotropic antenna
T <i>x</i>	Transmit frequency
R <i>x</i>	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
PCS	Personal Communication System
PHS	Personal Handly-phone System
SAR	Specific Absorption Rate
PCB	Printed Circuit Board
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access
LTE	Long Term Evolution

Standing wave diagram

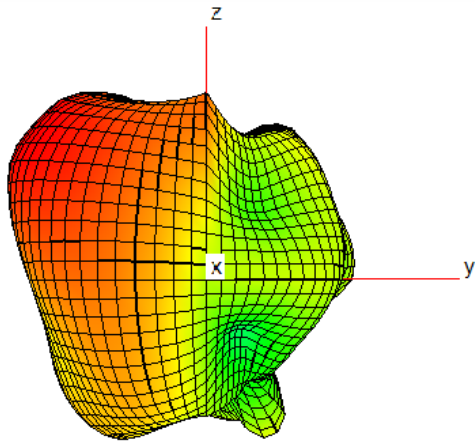


Passive efficiency data

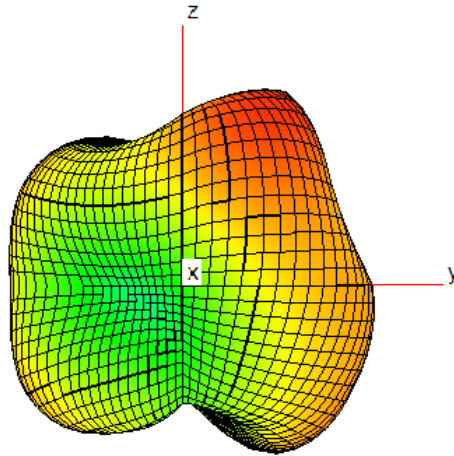
chNo	Freq (MHz)	Gain (dBi)	Efficiency_Pcent (%)
1	2400	1.353449427	63.79016083
2	2410	1.541192938	66.57009098
3	2420	1.524375327	69.38341969
4	2430	1.287414794	69.0971675
5	2440	0.972231814	65.96208778
6	2450	1.075681489	67.67064162
7	2460	0.978523865	67.51884172
8	2470	0.961508976	68.17714506
9	2480	0.874914565	66.13047771
10	2490	0.738060728	64.82948643
11	2500	0.822665957	65.15350075

Radiation pattern

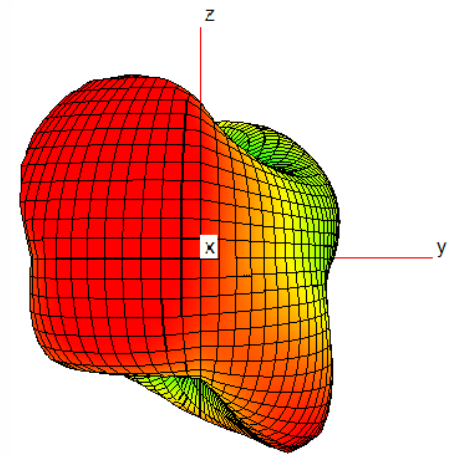
2400MHZ



2450MHZ

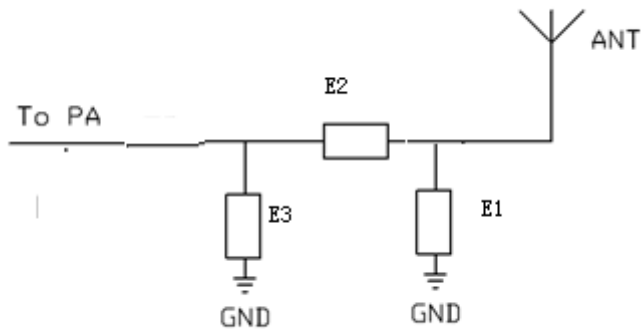


2500MHZ



Matching instructions

Matching structure



Antenna



Matching instructions	Wifi
E1	NC
E2	0 Ω
E3	NC