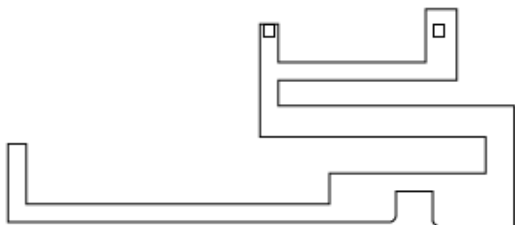


Bluetooth Antenna Test report

Sample machine picture:



Antenna manufacturer:

Honglian Electronics

Antenna type:

On-board PCB antenna

Antenna size:

13.5*5.5*1.0 (mm)

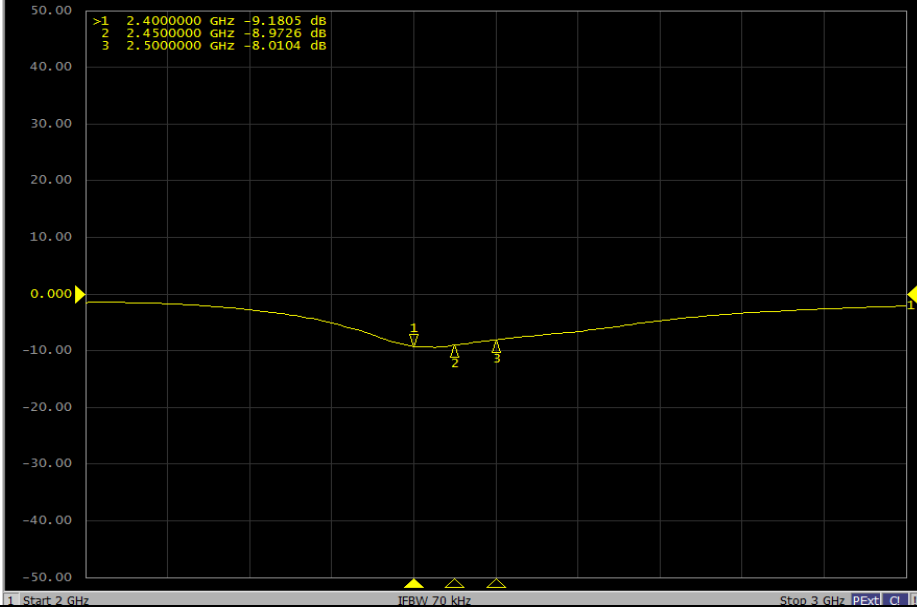
Antenna S11 data sheet:

Frequency (MHz)	2400	2450	2500
ReturnLoss	-9.18	-8.97	-8.01
VSWR	2.08	2.12	2.35

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

S11 Log Mag 10.00dB/ Ref 0.000dB [F1 Del]



Resize

Format

Log Mag

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

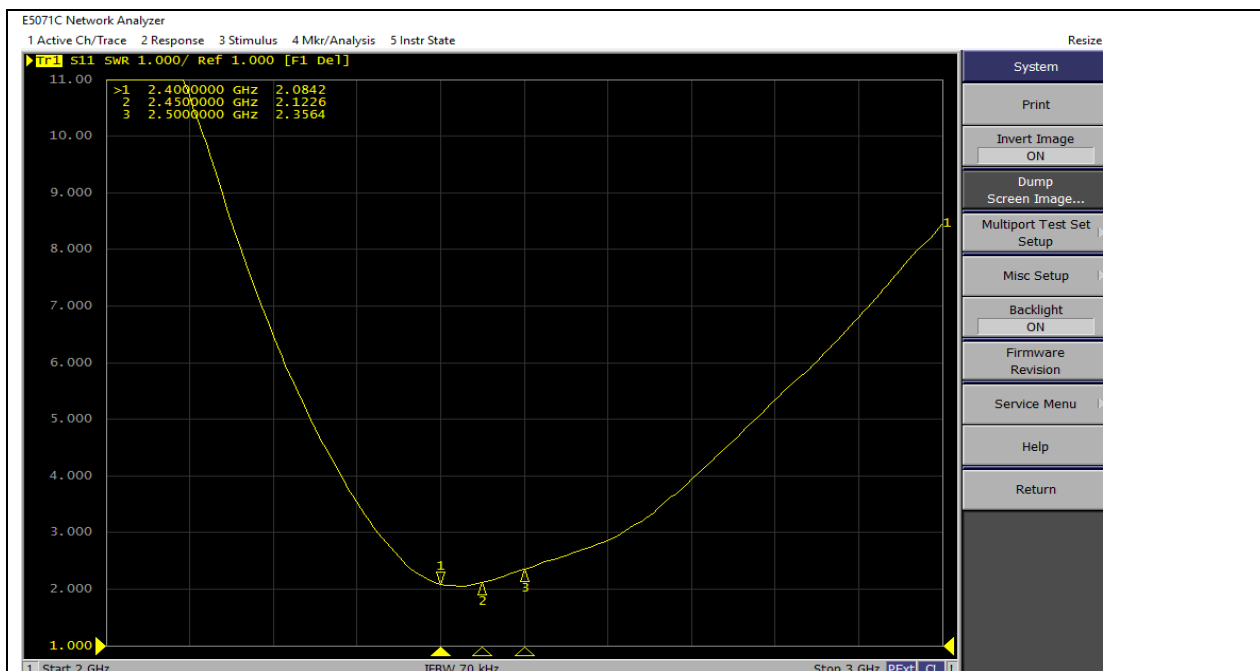
Expand

Phase

Positive

Phase

Return



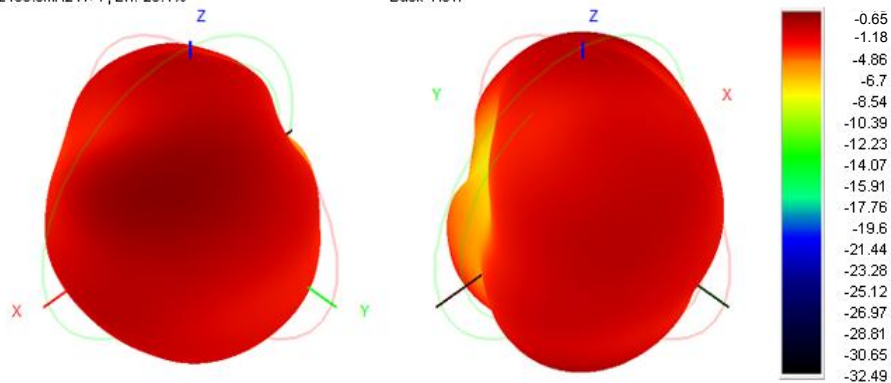
Antenna gain efficiency meter:

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-2.42	-2.54	-2.60	-2.11	-1.45	-1.18	-1.02	-0.82	-0.91	-0.66	-0.65
Efficiency (%)	23.5	23.8	24.2	25.1	27.2	28.4	29.7	31.4	31.3	32.2	31.0

2450MHzDirection diagram:

2450.0MHz H+V, Eff: 28.4%

Back View



2450.0MHz Total(E1-XZ), Max= -3.17dBi

2450.0MHz Total(E2-YZ), Max= -2.66dBi

Total(H-XY), Max= -3.50dBi, CirD=11.52

