

Customized

Application Report

Customer	<i>RF Window</i>
Model	<i>RPH-1000</i>
Application	<i>WIFI</i>
Antenna type	<i>ALA931C5</i>
Report No.	<i>1st</i>
Date	<i>2010. 12. 22</i>



Amotech / Antenna Gr.

1. Summary of the antenna test

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1) Test Condition

Test No	Antenna Type	Condition
#1-1	ALA931C5	SET Matching (Series L =1.8nH)

2) Radiation Gain Table

Test No	Freq (GHz)	Efficiency (%)	Avg. Gain (dBi)	Peak Gain (dBi)
#1-1	2400 MHz	49.6	-3.0	3.1
	2442 MHz	58.3	-2.3	3.7
	2485 MHz	52.8	-2.8	3.4

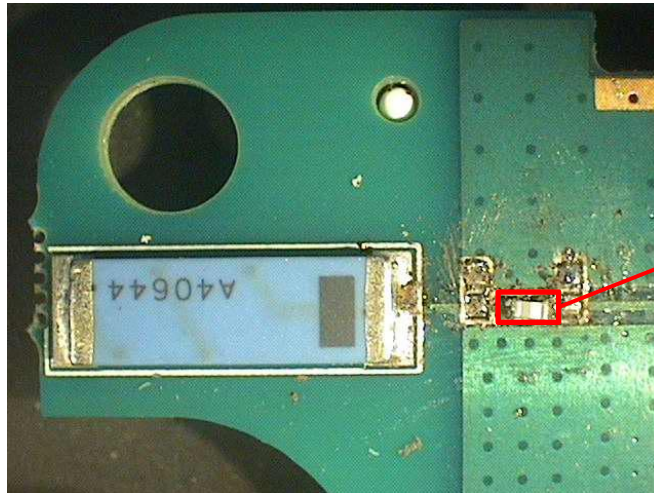
3) Remark

Test #1-1= ALA931C5 Ant. Passive Gain : -2.3dBi(2442MHz)

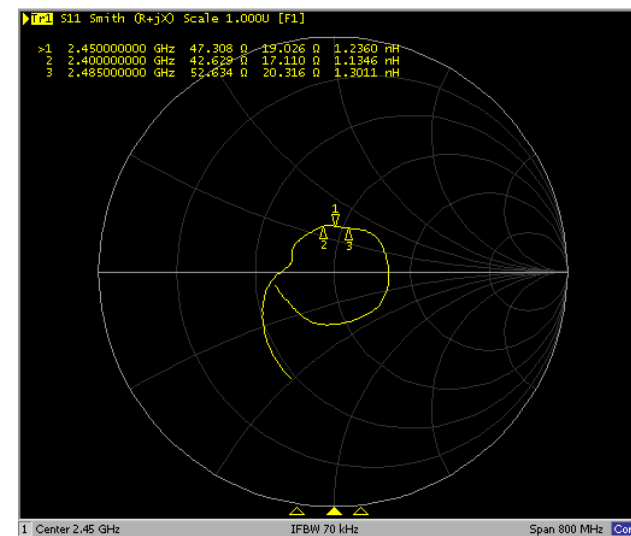
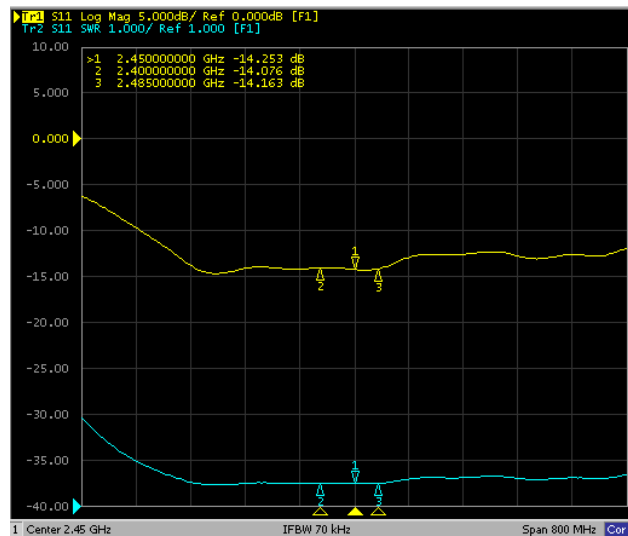
2. TEST #1-1

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1) 안테나 Layout 및 S-Parameter



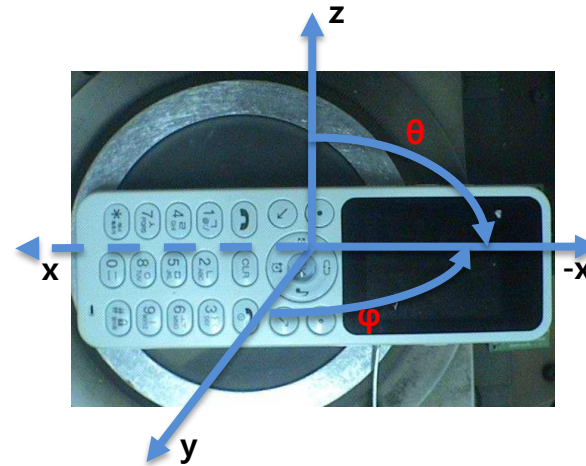
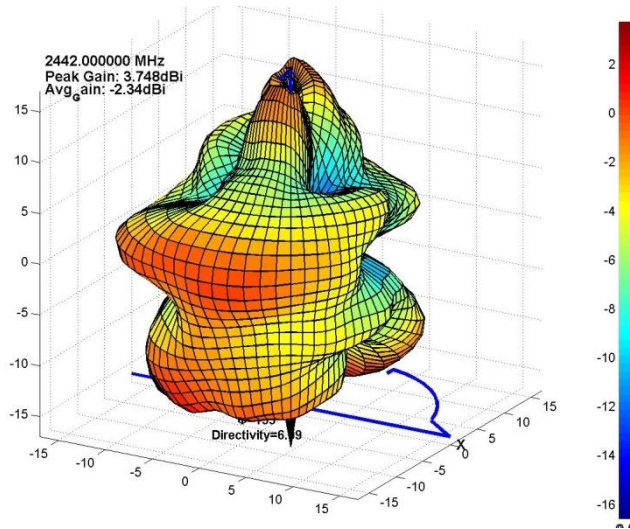
Test No.	#1-1
Antenna	ALA931C5
Series	L = 1.8nH
-	-
-	-



2. TEST #1-1

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2) Radiation Gain



Test No	Freq (GHz)	Efficiency (%)	Avg. Gain (dBi)	Peak Gain (dBi)
#1-1	2400 MHz	49.6	-3.0	3.1
	2442 MHz	58.3	-2.3	3.7
	2485 MHz	52.8	-2.8	3.4

※ Anechoic Chamber : 2.8*1.6*1.8 m³