

Customized

Application Report

Customer	<i>하나테크</i>
Model	<i>Hanascan70</i>
Application	<i>Bluetooth</i>
Antenna type	<i>ALA931C5</i>
Report No.	<i>2-1차</i>
Date	<i>2012.05.02</i>



Amotech / Antenna Gr.

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1. Summary of the antenna test

1) Test Condition

Test No	Antenna Type	Condition
#1-0	ALA931C5	SET Matching (Series C=1.0pF, Shunt L=2.7nH)

2) Radiation Gain Table

Test No	Freq (GHz)	Efficiency (%)	Avg. Gain (dBi)	Peak Gain (dBi)
#1-0	2400 MHz	53	-2.73	2.02
	2442 MHz	68	-1.65	2.50
	2484 MHz	54	-2.71	0.98

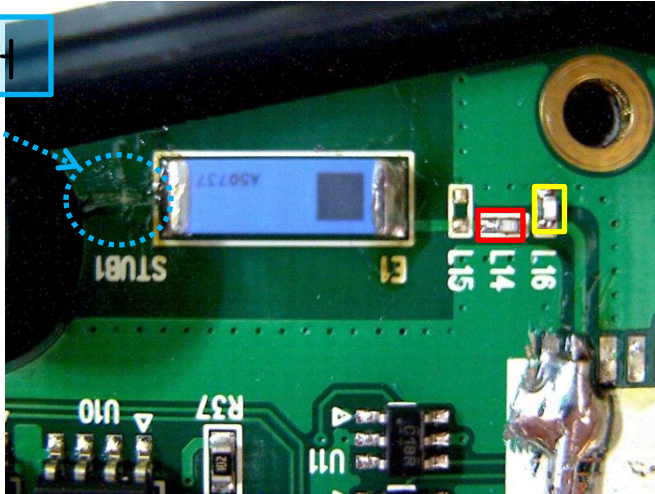
3) Remark

#2-0 테스트는 Ant 옆 **stub 제거**하여 테스트 하였습니다.

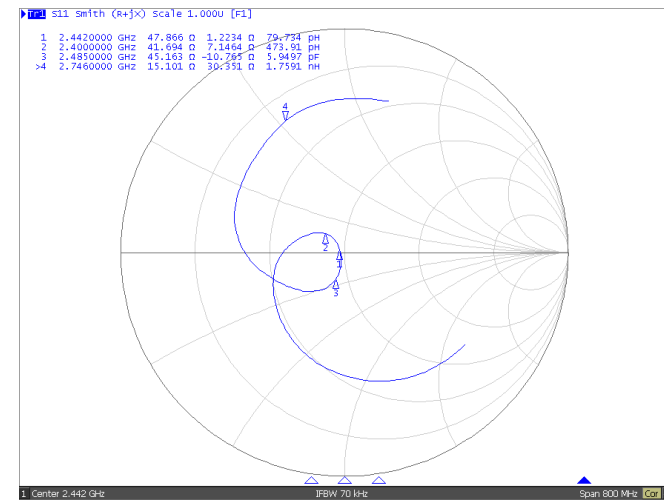
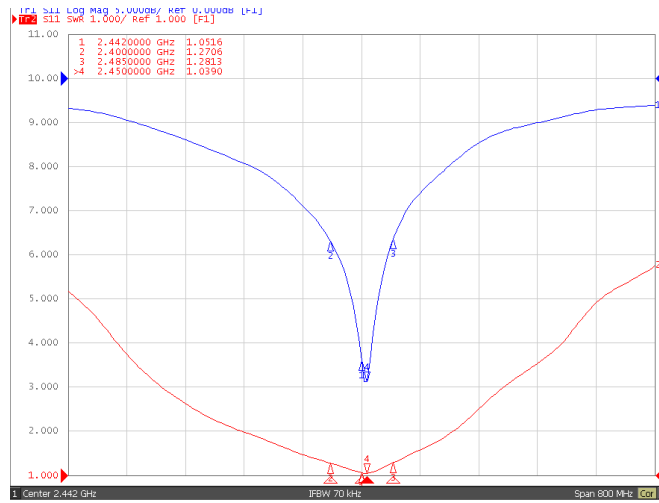
2. TEST #2-0

1) 안테나 Layout 및 S-Parameter

Stub 제거

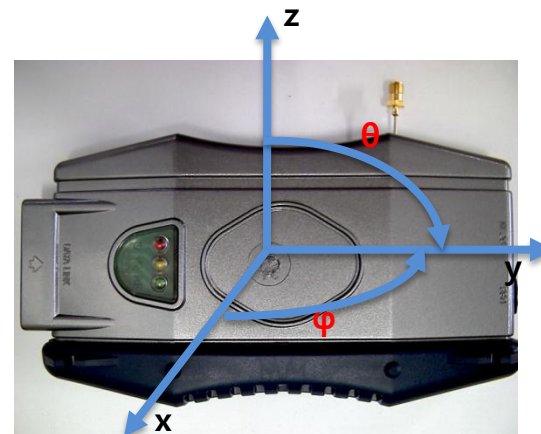
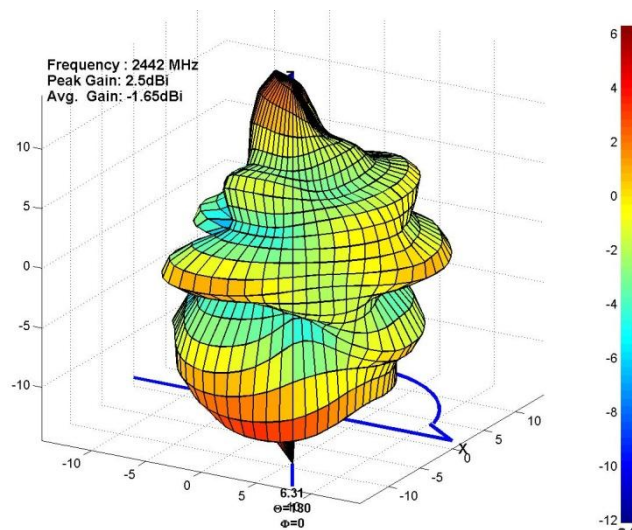


Test No.	#2-0
Antenna	ALA931C5
Series	C=1.0pF
Shunt	L=2.7nH



2. TEST #2-0

2) Radiation Gain



Test No	Freq (GHz)	Efficiency (%)	Avg. Gain (dBi)	Peak Gain (dBi)
#2-0	2400 MHz	53	-2.73	2.02
	2442 MHz	68	-1.65	2.50
	2484 MHz	54	-2.71	0.98

※ Anechoic Chamber : 2.8*1.6*1.8 m³