

ART SIGNAL

ANTENNA TOTAL SOLUTION



| 2.4G Antenna Test Data

| **Samjin**Built in module 2.4G Antenna Test Data

- Antenna Type : PIFA (Planer Inverted-F Antenna) Type Press Antenna
- SMT SET **쉽드킨** 1mm **이동** Network & 3D gain
- Antenna Type : PIFA Antenna

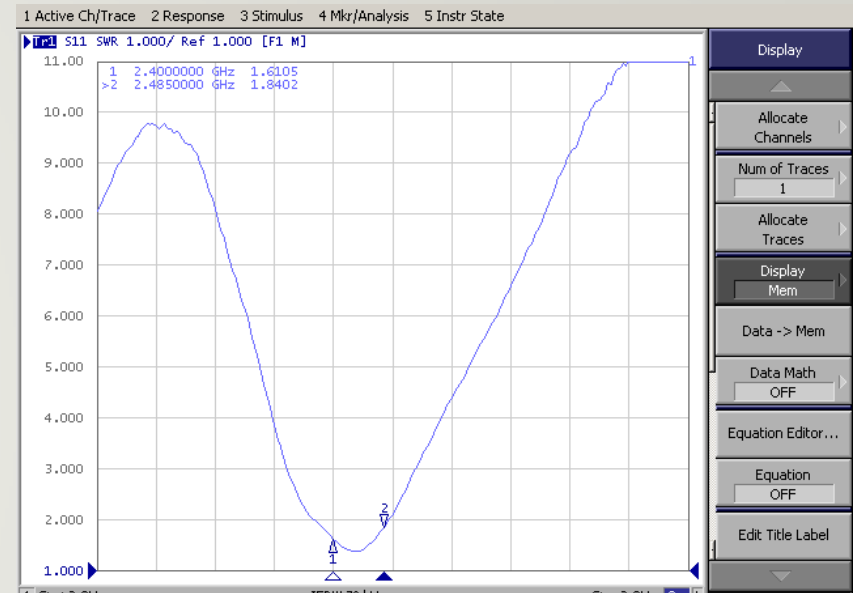
Test by : Martin Jung

Address : ART SIGNAL Co.,LTD. 1008-A, Woolim Lion's Valley 2nd, 146-8, Sangdaewon-dong,
Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea.

A N T E N N A T O T A L S O L U T I O N

SMT SET **쉽드킨** 1mm 이동 - Network & 3D gain

VSWR

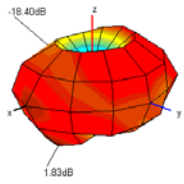
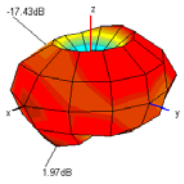
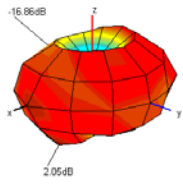
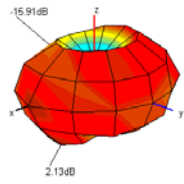
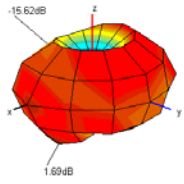


3D gain

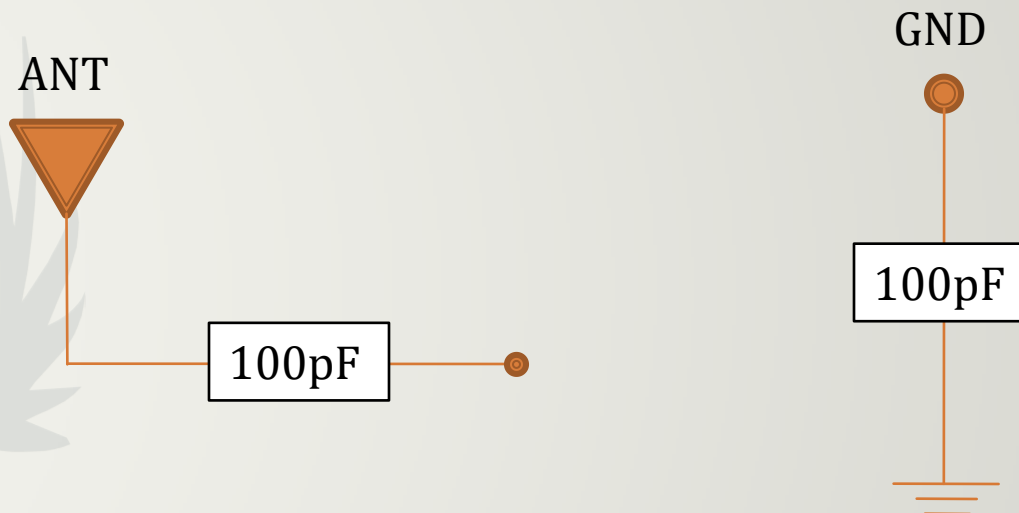
	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-2.35	-2.28	-2.22	-1.98	-2.20
Efficiency [%]	58.2	59.2	60.0	63.4	60.3
Peak Gain [dB]	1.53	1.57	1.45	1.53	1.49
Directivity [dB]	3.87	3.85	3.67	3.51	3.68
Minimum Gain [dB]	-18.70	-17.83	-17.46	-16.51	-15.82

SMT SET **슬드킨** 1mm 이동- 3D Radiation Pattern

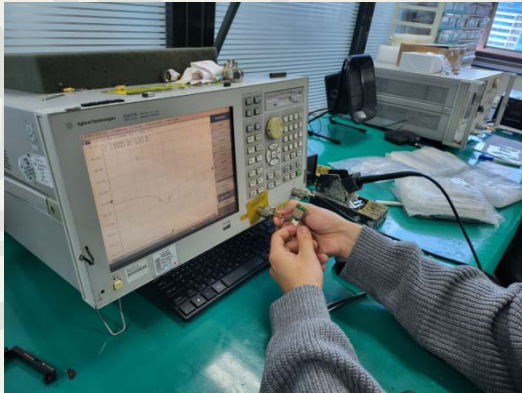
3D Radiation Pattern

2400	2420	2440	2460
			
2485			
			

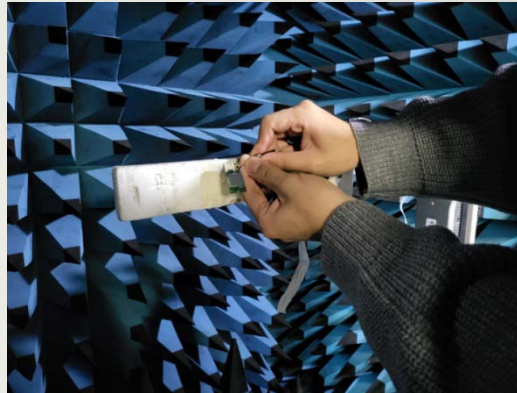
SMT SET **쉽드킨** 1mm 이동 - matching value



Measurement Procedure



VSWR measurement using
Network Analyzer



Product Setup in
3D Chamber



Gain measurement
using a program

Measurement Equipment

Network Analyzer



E5071B (Agilent)



8753ES (Agilent)



**CTIA 3D OTA
Chamber(A+Tech)**

We make the world 's best companies.
A leader in ANTENNA.

Company Confidential

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