1. SPECIFICATIONS

1.1. Electrical Characteristics

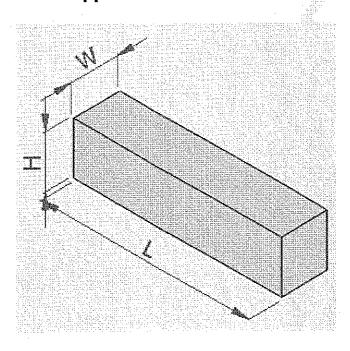
ITEM	SPEC		Remark
Frequency Range	2.4 ~2.485 GHz		
Polarization	Linear		
Nominal Impedance	50 Ω		
Gain (Avg.)	≥ -3.0dBi.	W LAT	
VSWR	≤ 3.0 (max.)		
Mounting Type	SMT		

^{*} Measured on the matched reference test board

1.2. Mechanical Characteristics

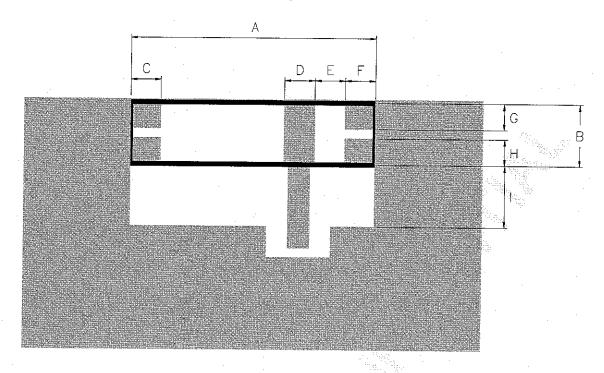
Electrode	Gold	Unit
Dimensions (L x W x H)	8.0 x 2.0 x 1.8	mm
Operating Temperature	-35 ~ +85	င်

1.3. Appearance and Dimensions



L (Length)	8.0 [mm]
W (Width)	2.0 [mm]
H (Height)	1.8 [mm]

1.4. Soldering Land Pattern/ Free Space Size



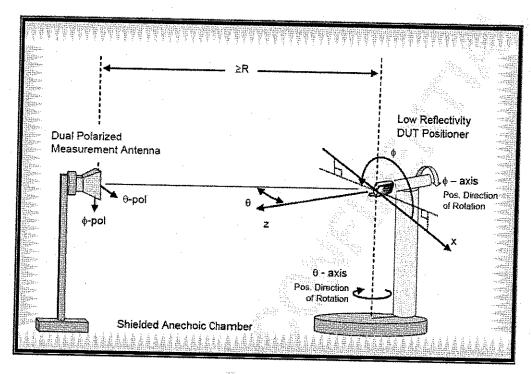
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A	8.0
В	2.0
С	1.0
D	1.0
E	0.8
F	1.0
G	0.85
H	0.85
I	2.0

^{*} 단위 [mm]

2. Measurement

2.1. Radiation Coordinates System

Radiation Pattern을 서비스 대역 주파수(24O2MHz ~ 2485MHz)에서 측정한다. 무반사실에 Fig. 2.1과 같이 단말기를 거치 시킨 후 소스 Antenna의 편파를 Fig. 2.1(b)는 수직편파, Fig. 2.1(c), Fig. 2.1(d)는 수평편파를 방사하여 수평회전 각도에 따른 단말기의 수신레벨을 측정한 후 각 상이한 주파수의 최대이득의 평균값, 평균이득의 평균값을 측정한다.



(a) TYPICAL SETUP - FREE SPACE

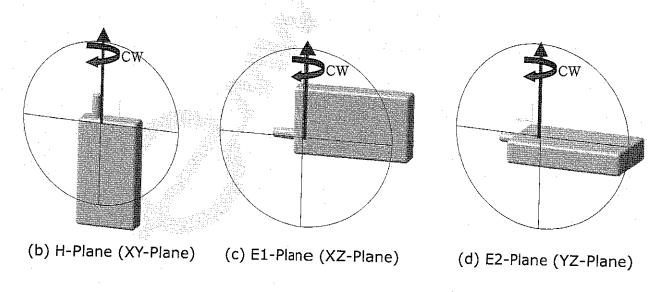
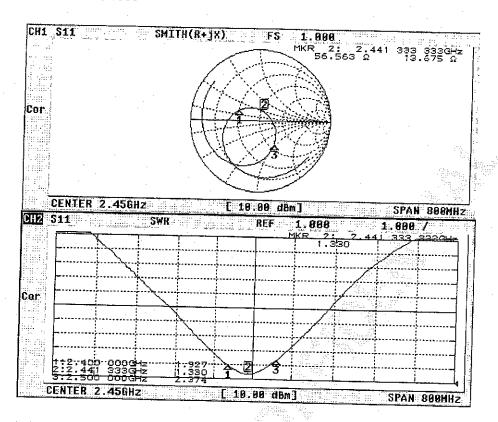
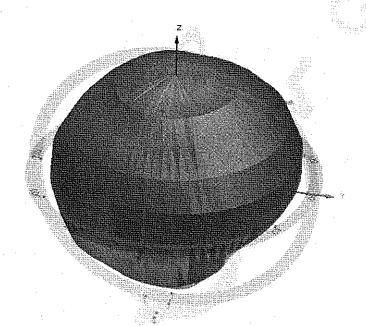


Fig 2.13D Gain 측정위치

2.2. Measurement Result (Reference Test Board) A. Smith-Chart & VSWR

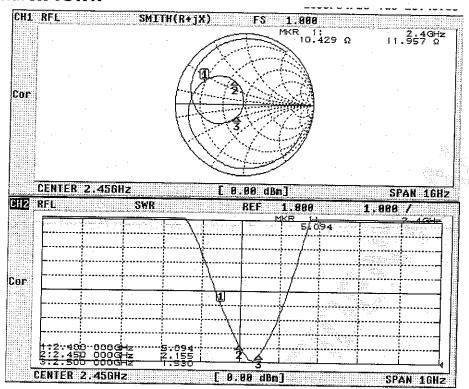


B. Radiation Pattern & Gain Table

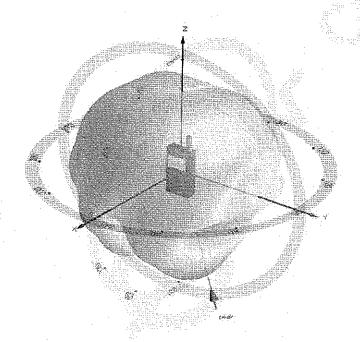


B/T Band	Gain [dBi]	
Freq. [MHz]	Peak	Avg.
2400	2.12	-2.33
2425	2.21	-2.28
2450	2,56	
2475	2.69	-2.49
2500	2.66	-2.94

2.3. Measurement Result (SET) A. Smith-Chart& VSWR



B. Radiation Pattern & Gain Tables



B/T Band	Gain [dBi]		
Freq. [MHz]	Peak	Avg.	
2400	-4.47	-8.58	
2425	-3.14	-7.08	
2445	-1.62	5.66	
2465	-1.06	-5.36	
2585	-0.99	-5.63	