

ANTENNA ENGINE

[AEi-2450DP-IPEX]

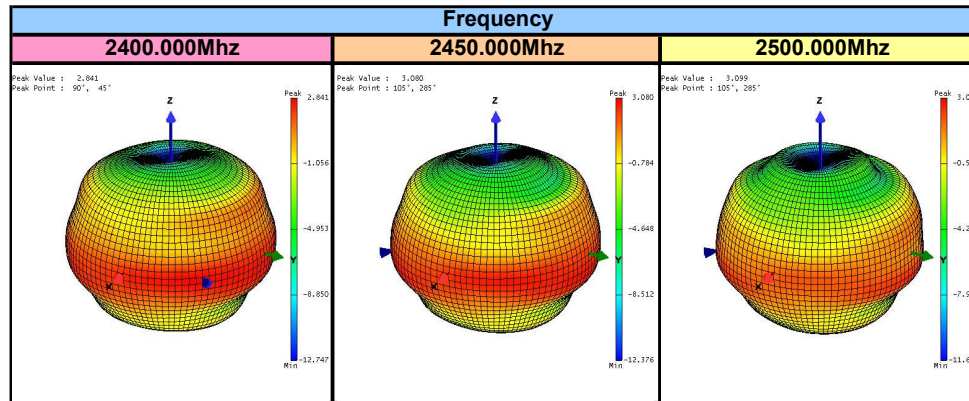
1. SPCIFICATIONS

ELECTRICAL Char.	SPECIFICATIONS	REMARK
Model	AEi-2450DP-IPEX	
Frequency Range	2400~2500[MHz]	
V.S.W.R	2.0 :1	
Gain	2 [dBi]	Nominal
Polarizations	Linear	
Input Impedance	50[Ω]	
Input Power	1[W]	
MECHANICAL Char.	SPECIFICATIONS	
Mechanical Type	3M Tape Attached Type	
Connector	U.FL(IPEX MHF1)	
Cable	1.13Φ Flexible	160mm
Size[W x H x D]	7.5 x 55 x 0.8[mm]	

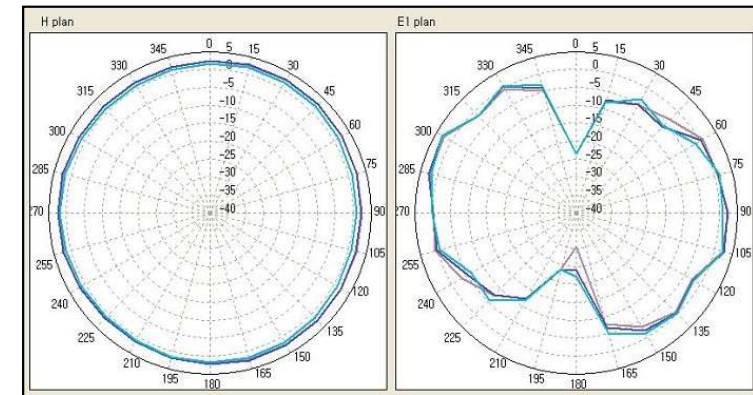


PCB Type Antenna

2. Radiation Pattern



3D-Pattern

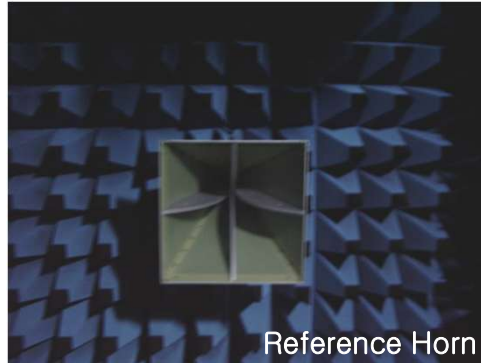


2D-Pattern

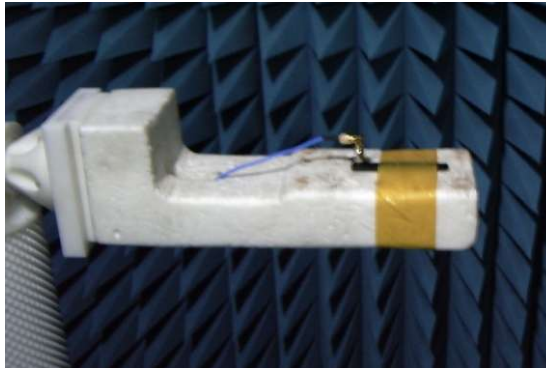
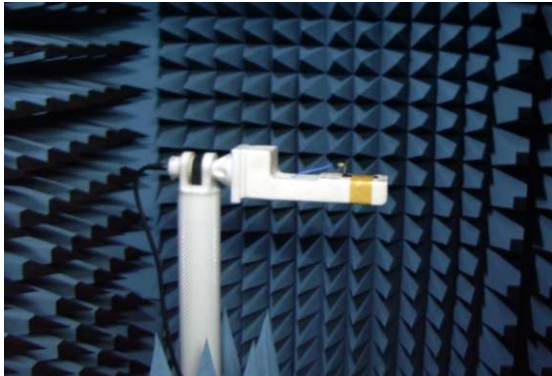
	Frequency[MHz]	PeakValue	Theta[deg]	Phi[deg]	MinValue	Theta[deg]	Phi[deg]	3D Avg[dBi]
	2400.000	2.819	90	45	0	0	0	2.268
	2450.000	2.882	90	30	0	0	0	2.296
	2500.000	2.010	90	30	0	0	0	1.457

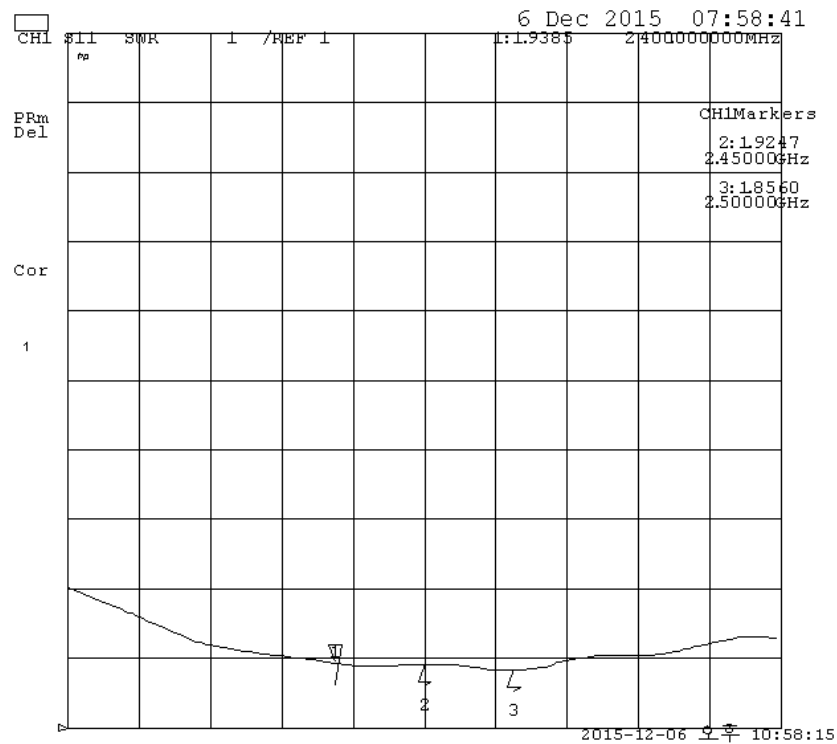
PCB Type 안테나의 3D 복사패턴 측정

3. 3D-Measurement

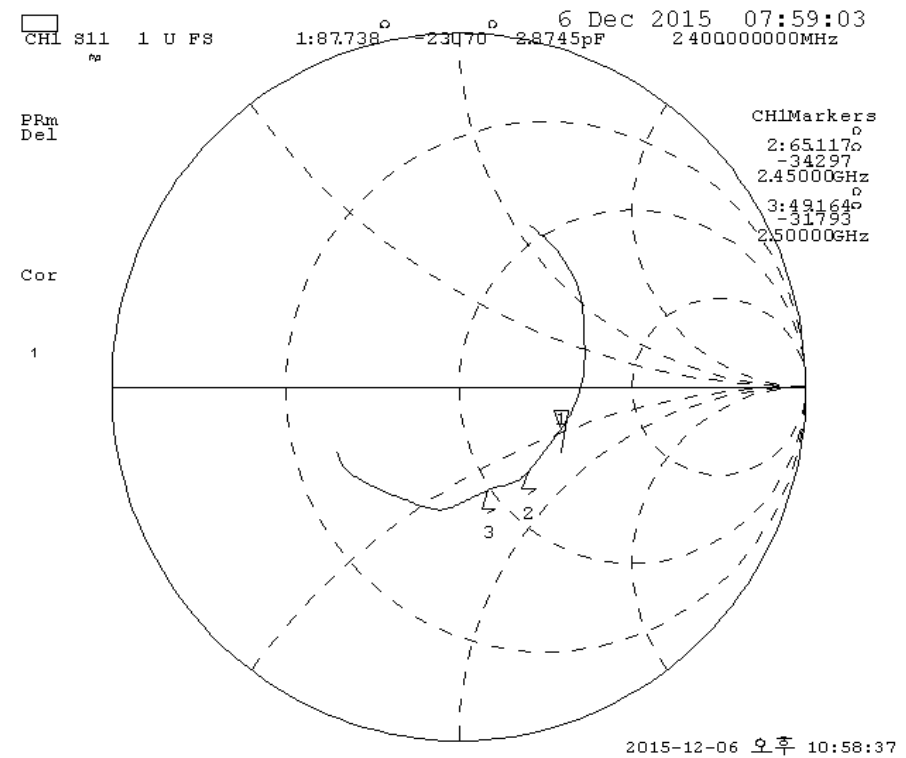


- Calibration frequency band : 2 ~ 3[GHz]
- 2D Angle step : 05°
- 3D Angle step : 15°





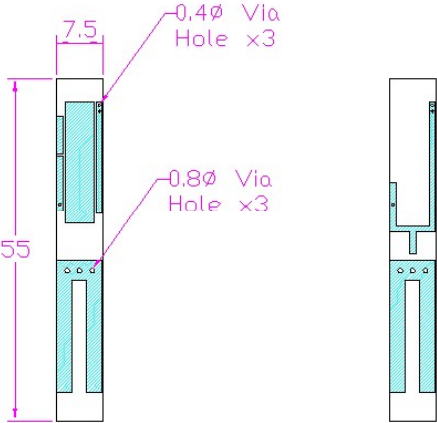
V.S.W.R



Smith Chart

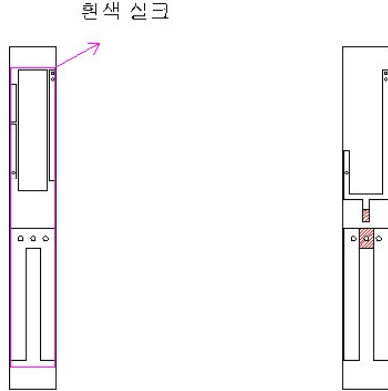
ANTENNA ENGINE		TOL Unless Noted		DIMENSION	mm	No	DATE	REVISION	CHECKER
		X.	= ±0.5	SCALE	1/1	①	20 . . .		
		X.X	= ±0.1	MATERIAL		②	20 . . .		
		X.XX	= ±0.05	FINISH					

<앞면> <뒷면>



주 기
1. 표시는 동박 Area 임.
 표시는 PSR처리 안되는 부분(PSR 색 깔 : 검정색)
2. FR-4 0.8T 양면기판(0.8T+0.09,-0)

<앞면> <뒷면>



PSR은 검정색

TITLE		PCB 타입 안테나(엘프)		MODEL				
Drawn	Checked	Approval	Date	DWG No.	File Name			
J.K,BAE			2014.05.26			PART NAME	MATERIAL	FINISH