

주)MCS Logic

承認原

(APPROVAL SHEET)

NO	MODEL	FREQUENCY
1	HWI-2450-PCB	2400 - 2500 MHz

2 承認書					
承認者	承認日	承認印			
					



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(ANTENNA SPECIFICATION)

1. Model : HWI-2450-PCB Pattern Antenna

2. This document for HWI-2450-PCB Pattern Antenna using for BT

3. ANTENNA use condition

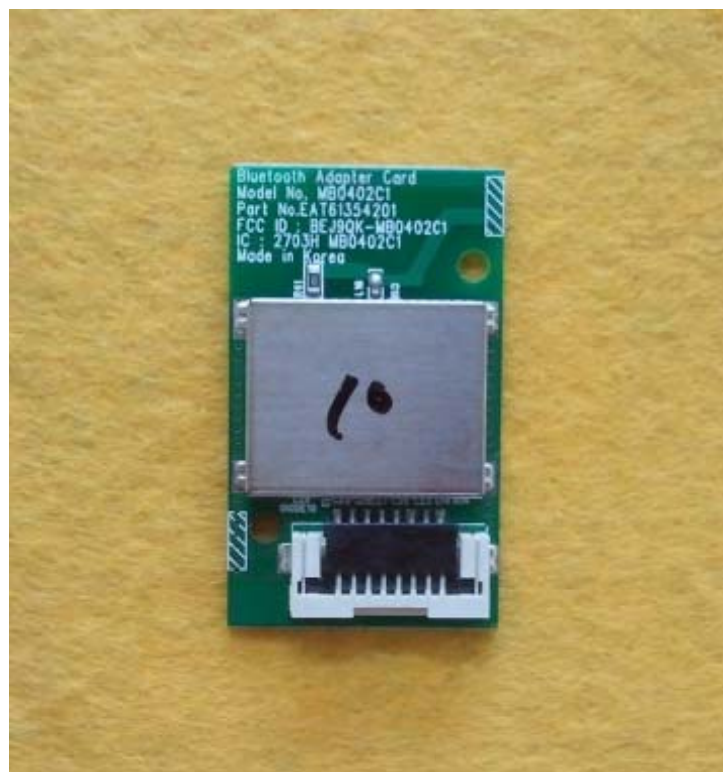
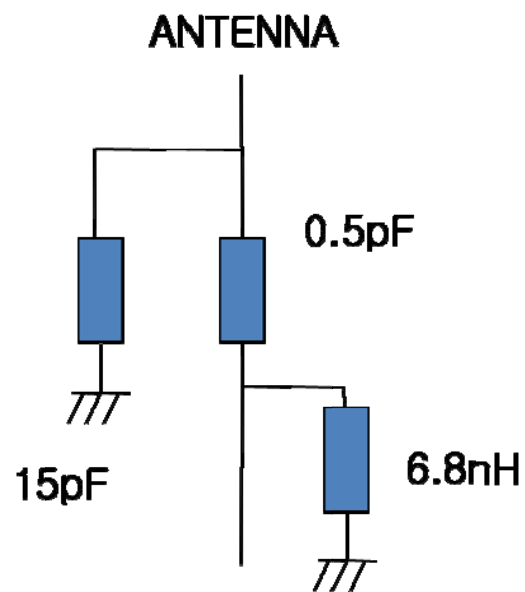
☐ Portable ☒ Fixed ☐ inside ☐ Etc

5. Specification

No.	ELECTRICAL DATA	SPECIFICATIONS	REMARK
5. 1	FREQUENCY RANGE	2400 -2500 MHz	
5. 2	IMPEDANCE	50 Ω	NOMINAL
5. 3	V . S . W . R	LESS THAN 1:2.0	
5. 4	GAIN	3 $\pm$ 1.5[dBi]	H+ V, Sum
5. 5	POLARIZATION	ISOTROPIC	H+ V, Sum

No.	MECHANICAL	SPECIFICATIONS	REMARK
6. 1	Antenna Type	PIFA Type	
6. 2	Matching Value	0.5pF (Series)	
6. 3	Matching Value	6.8nH (Shunt)	
6. 4	Shorting Value	15pF	
6. 5	DIMENSION[W×H×D]	12.9 × 8.7 × 0.9 [mm]	

. Impedance matching



			.		

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

PIFA Type 1

주기

1. 표시는 동박 Area임.

Drawn	Checked	Approval	Date	DWG No.	File Name			
J.K,BAE		C.G,NAM	2011.07.28.		PCB Pattern Ant.	PART NAME	MATERIAL	FINISH

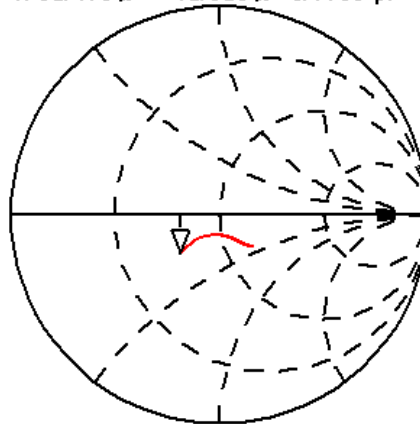
DATA- VSWR

21 Aug 2011 20:59:31
CHI S22 1 U FS 1: 32.418 μ -12.826 μ 5.1703 pF 2 400.000 000 MHz

$\Delta\theta$

DeI

C Δ



f

[CH2] S22 SWR 1 / REF 1 1: 1.7060 2 400.000 000 MHz

MARKER 1
2.4 GHz

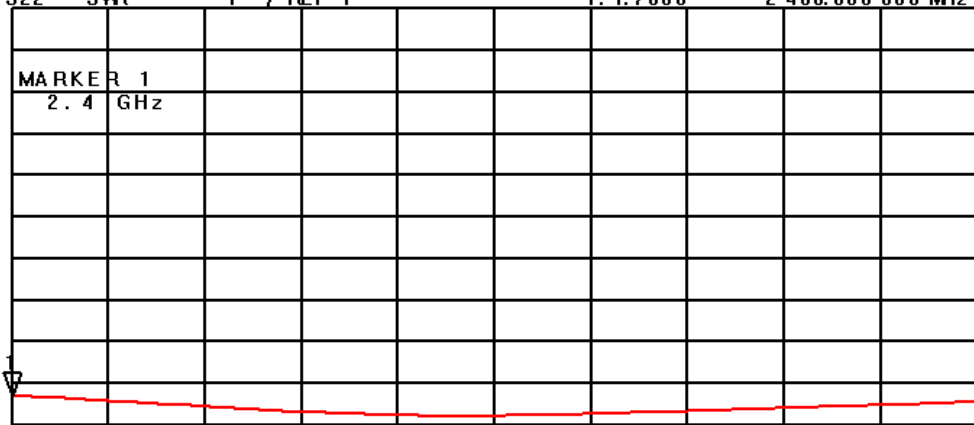
C Δ

Max

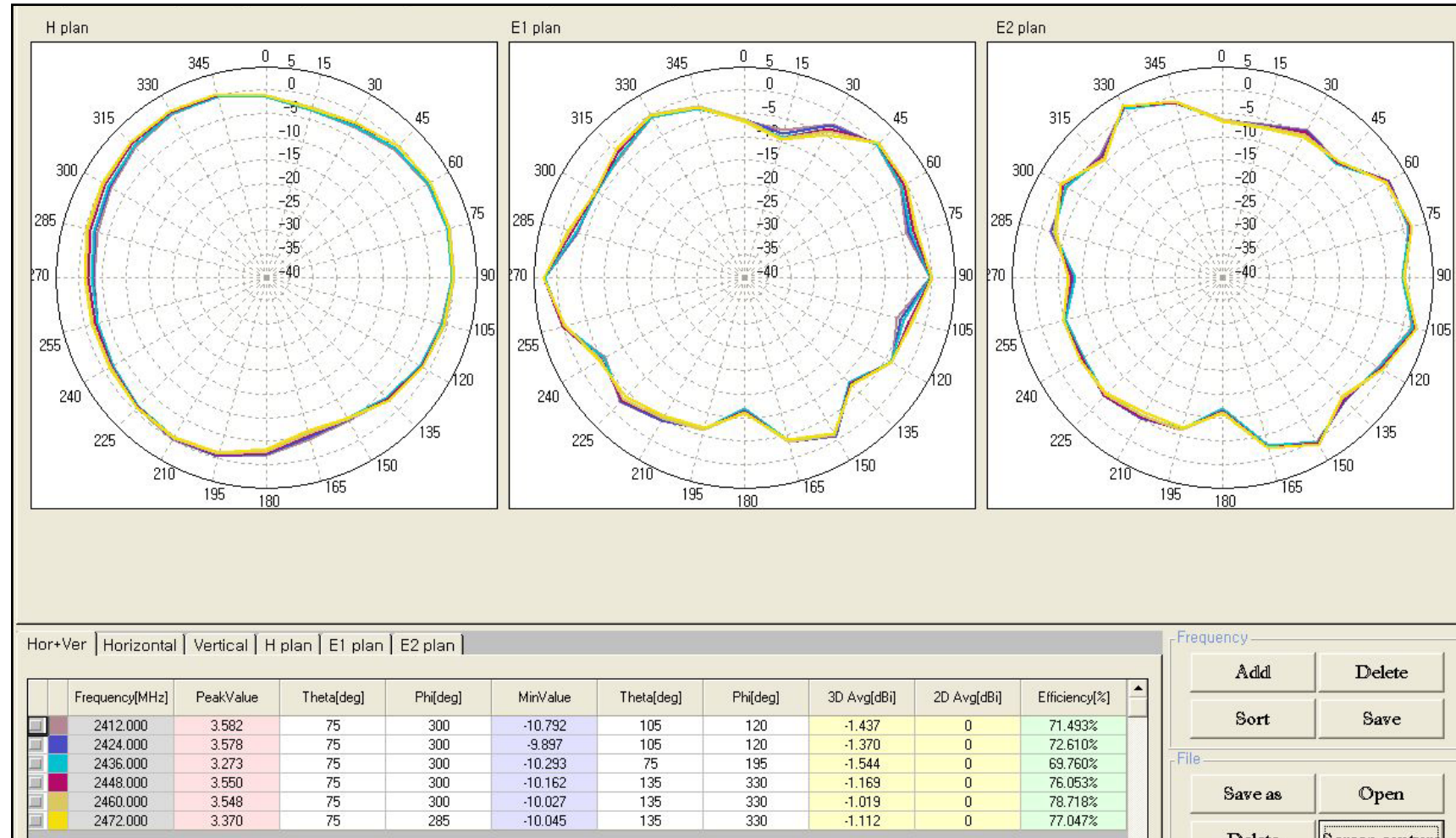
f

START 2 400.000 000 MHz

STOP 2 500.000 000 MHz



DATA- Radiation Pattern



DATA- 3D Pattern

