



**APPENDIX J**  
**: ANTENNA SPECIFICATION**

OHSUNG ELECTRONICS CO.,LTD.

APPROVAL NUMBER		ISSUE	1.0
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APPROVAL SHEET

PART NAME : ANTENNA  
 PART SPEC : TSS\_2400\_2dB  
 DRAWING NUMBER: KY20090207-03  
 PROJECT NAME: MRZ-260

CONDITIONS : 1.  
 2.  
 3.

It approves in about the minute description product.

Classification		Investigation	Investigation	Approval
Approval	Affiliation			
	Name			
	Signature			
Supply Enterprise Approval	Affiliation			
	Name	Kim Na Young	Kim Byung Sub	Park In Ho
	Signature			



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## 2. Synopsis and Specifications

### 2.1 Generalization

The approval sheet which it sees about ANTENNA / TSS\_2400\_2dB applies inspecification and it is an approval sheet in about structure, function and quality.

### 2.2 Classification form

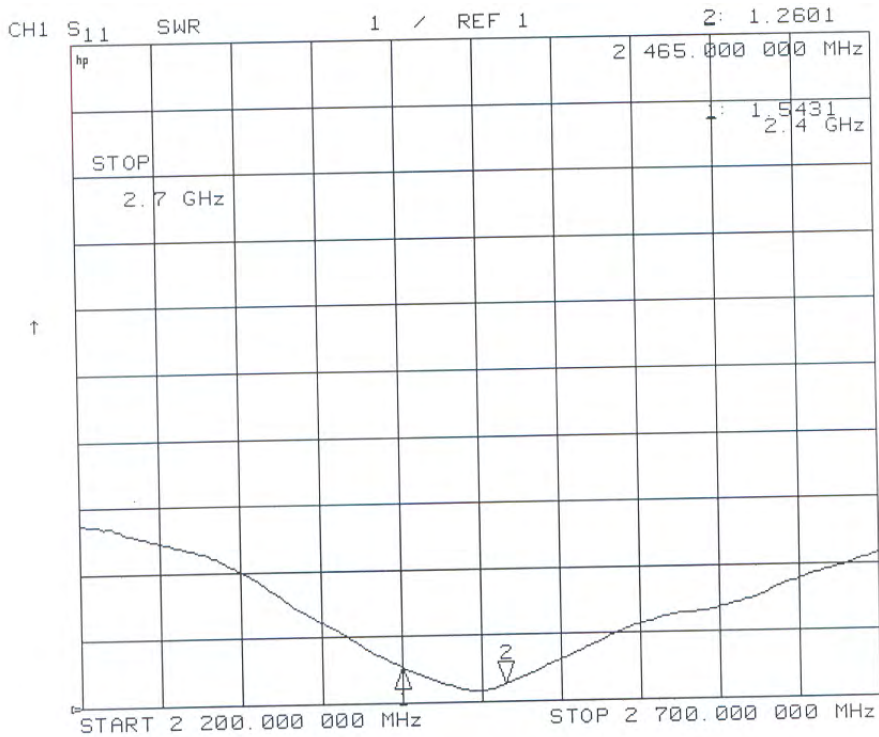
#### 2.2.1 Quality of material and plating

Parts	Quality of material	Surface control
ELEMENT Core line	Brass	-
ELEMENT Clothing	TEFLON	-
SLEEVE	Brass	-
CONN.	Brass	Ni
Tube top	KEFLEX	Black
Tube refraction top	NYLON	Black
Tube refraction bottom	NYLON	Black
Rivet pin	Brass	Ni
Adhesive	031	

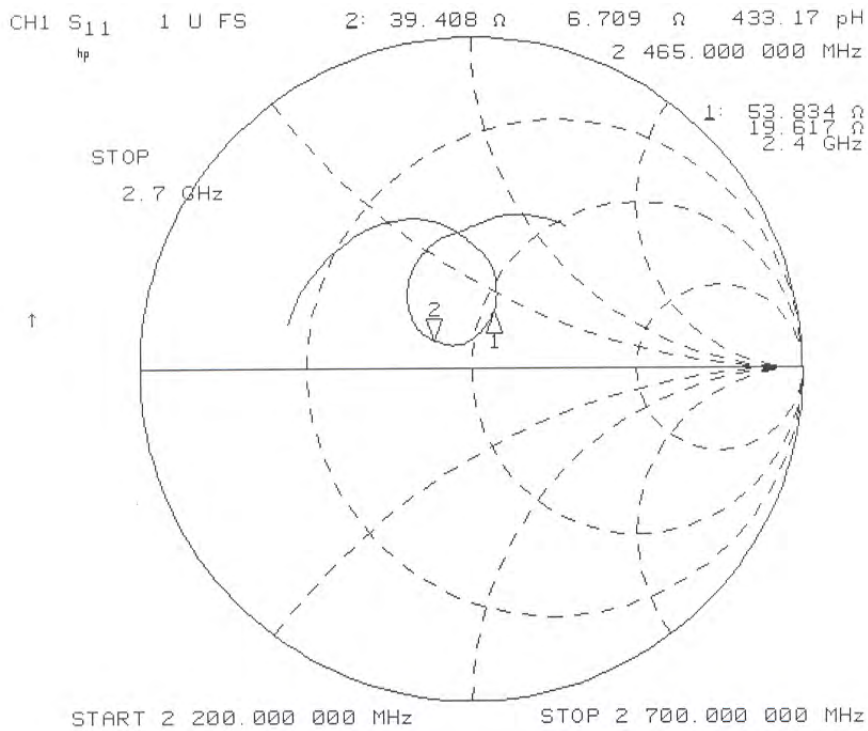
#### 2.2.2 Electrical Specifications


Classifications	Application scope	Remark
Frequency	2400MHz ~ 2465MHz	
Nominal impedance	50ohm	
Gain	2 dBi	
Radiation pattern	Omni	
Partiality	Vertical	
V.S.W.R.	Less than 2.0	

1) VSWR



2) SMITH CHART



 주식회사 금영이앤씨 KUMYOUNG Co., Ltd.	The drawing day 2009-03-21	Specification TSS_2400_2dB	Rev. 1.0
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### 2.2.3 Appliance Specifications

Classificatins	Application scope	Remark
ELEMENT LENGTH	106±2	ANGEL: 0°
	87.5±2	ANGEL: 90°
CONNECTOR	SMA	Male
PACKING	50 EA	BULK

### 2.2.4 Environmetal Specifications

Classifications	Test method	Application scope
Constant temperature and Humidity Test	Humidity CYCLE 1) Temperature : 25 ~ 65 °C 2) Humidity : From 90 ~ 97 % conditions 10CYCLE(24hour leaving alone)	After examing measurement 1) Insulation resistance : Above 100 MΩ(High temp.) 2) Contact resistance : Above 1000 MΩ(Drying) 3) There will not have to be an appearance as a matter of crack
	Temperature CYCLE 1) Temperature : -20 ~ 70 °C 2) Time : From minimum temp 30 minutes to maximum temp.30 minutes 5 CYCLE tests	After test measurement 1) Insulation resistance : Above 500 MΩ 2) Contact resistance : Below central conductor and external conductor 7MΩ
Salt water spray test	From brine of salinity 5% in 48 hour undecided total condition leaving alone	1) Appearance as a matter of there will not have to be a heavy corrosion. 2) Contact resistance : Below central conductor and external conductor 7MΩ





## 4. RoHS(Enclosure)