

# CE RF TEST REPORT Report No.: EMC-FCC-R0029

Appendix 9. **Antenna Specification** 



# Specifications of Ceramic Patch Ant.

MESSRS. 하이웨이브㈜

ITEM: Ceramic Patch Antenna

PART NAME: MPAC45SF915P-TA

MODEL NAME

FEATURES: Antenna dimension is as small as Teflon antenna

Using high quality factor dielectric

Provide highly stabilized performance

DATE : June 16, 2009

QUANTITY: 1 pcs

SUPPLIER: MAC technologies Inc.				
DRAWN	CHECKED	APPROVED		



#### MAC technologies Inc.

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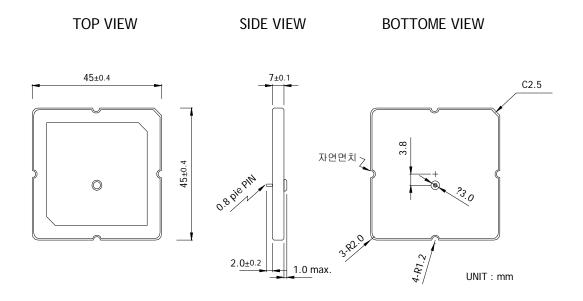
Title	RFID Ceramic Patch Ant. Sample Specification
Document Number	MACQM730-05-09094
Date	June 16, 2009

# 1. Electrical Specifications.

NO.	Parameters	Spec. (After Ass'y)	Unit	Remark
1	Frequency	912 ± 3	MHz	
2	Band Width	8 min.	MHz	@ -10 dB R.L.
3	VSWR	2.0 : 1 max.	Ratio	@ C.F
4	Impedance	50	Ohms	
5	Peak Gain	-0.87	dBiL	0.5
6	Polarization	RHCP		
7	Beam Width	90 typ.	Deg.	

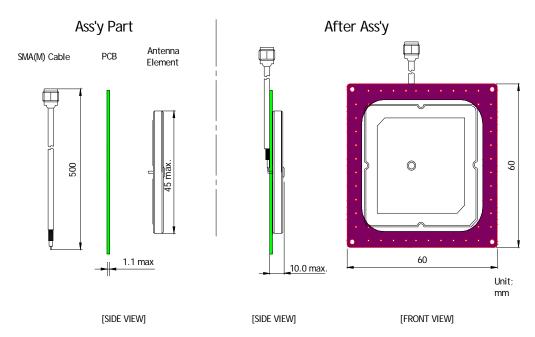
## 2. Mechanical Dimensions.

#### 2-1. ANTENNA ELEMENT



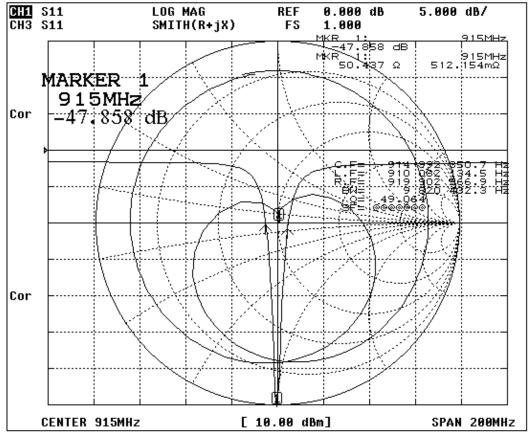
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#### 2-2. PCB & Cable Ass'y



## 3. S11 Measurement Data. (After A'ssy)

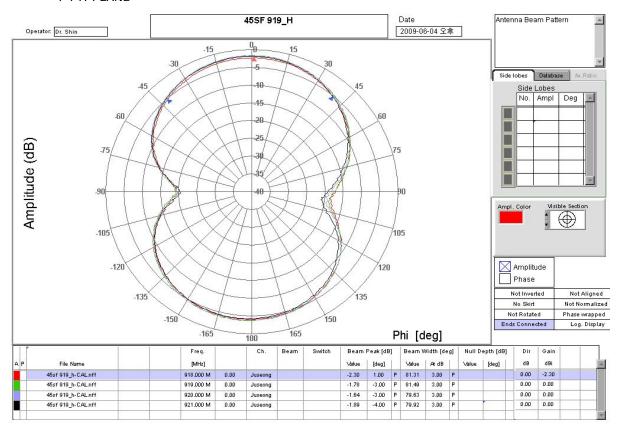
#### 2009/06/15 Mon 14:34:53



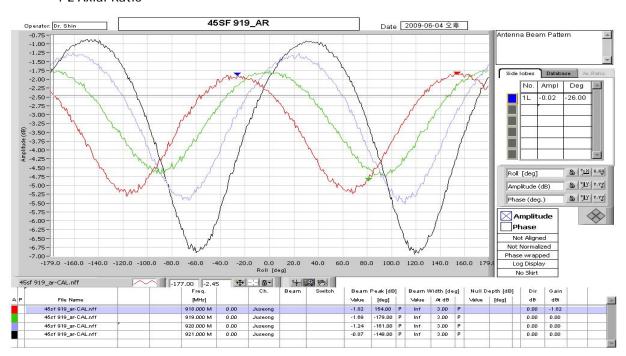
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#### 4. Radiation Pattern

#### 4-1 H-PLANE



#### 4-2 Axial Ratio



A4 (210x297) 4