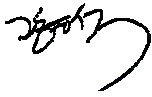


# Specifications of Air Patch Ant.

**MESSRS. (주)네스랩**

**ITEM :** Air Patch Antenna  
**PART NAME :** MACRO260-919  
**MODEL NAME**  
**FEATURES :** 900 MHz ISM Band  
 Provide highly stabilized performance  
 Rectangular microstrip patch antenna  
**DATE :** May 10, 2013  
**QUANTITY :** pcs

| SUPPLIER : MAC technologies Inc.                                                    |                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| DRAWN                                                                               | CHECKED                                                                             | APPROVED                                                                             |
|  |  |  |



# 301, Star enterprise center, Technopark, 685-1 Yangcheong-ri,

Ochang-eub, Cheongwon-gun, Chungbuk, KOREA, 363-883

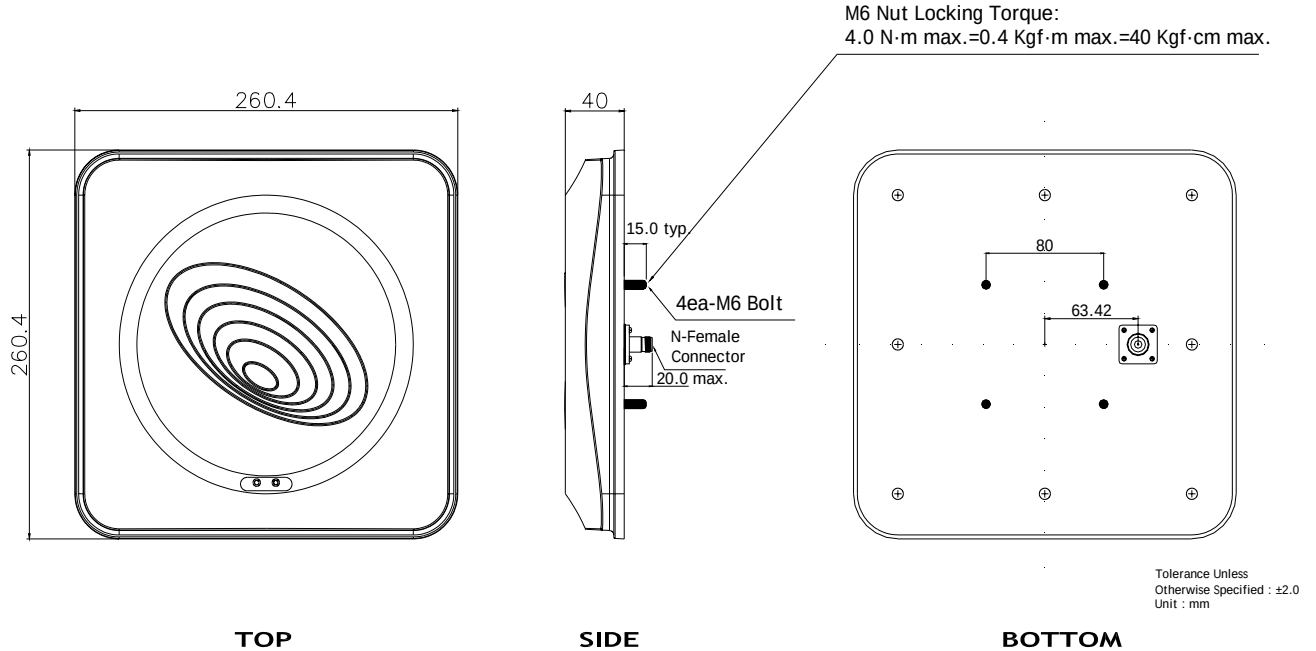
Tel : +82 43 275 2485 Fax : +82 43 275 2487

|                 |                                          |
|-----------------|------------------------------------------|
| Title           | RFID Air Patch Ant. Sample Specification |
| Document Number | MACQM730-05-13062                        |
| Date            | May 10, 2013                             |

## 1. Electrical Specifications.

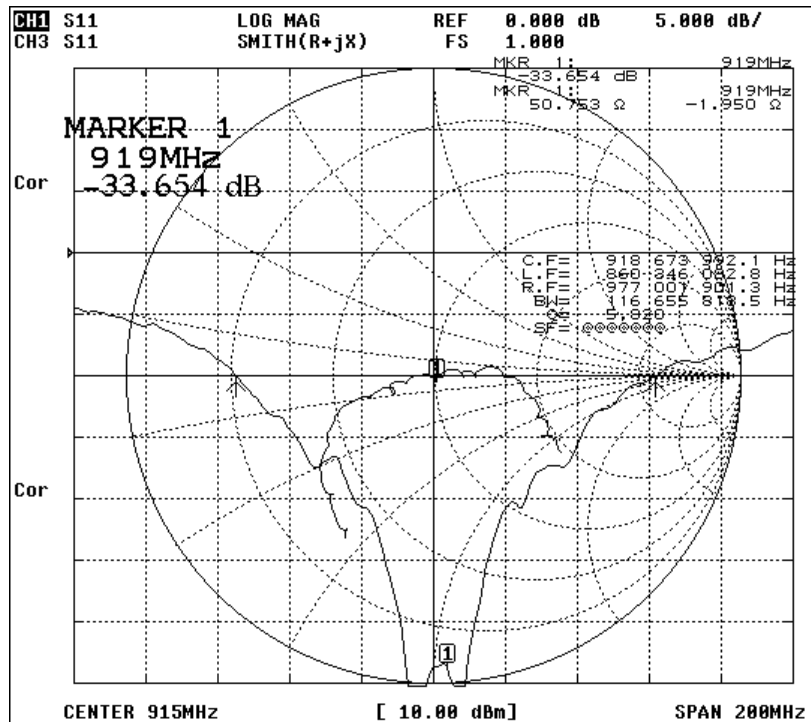
| NO. | Parameter        | Spec.        | Unit  | Remark       |
|-----|------------------|--------------|-------|--------------|
| 1   | Center Frequency | 919.0        | MHz   |              |
| 2   | Band Width       | 60 min.      | MHz   | @ -10 dB R.L |
| 3   | VSWR             | 1.3 : 1 max. | Ratio |              |
| 4   | Impedance        | 50           | Ohms  |              |
| 5   | Peak Gain        | 6.0 typ.     | dBiL  |              |
| 6   | Polarization     | RHCP         |       |              |
| 7   | Beam Width       | 62 typ.      | Deg.  |              |

## 2. Mechanical Dimensions. (unit : mm)



|                 |                                          |
|-----------------|------------------------------------------|
| Title           | RFID Air Patch Ant. Sample Specification |
| Document Number | MACQM730-05-13062                        |
| Date            | May 10, 2013                             |

### 3. S11 Measurement Data



|                 |                                          |
|-----------------|------------------------------------------|
| Title           | RFID Air Patch Ant. Sample Specification |
| Document Number | MACQM730-05-13062                        |
| Date            | May 10, 2013                             |

## 4. Option : Antenna Attachment Bracket

