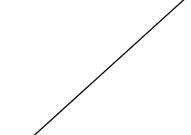


Specifications of Air Patch Ant.

MESSRS. (주)파이칩스

ITEM : Air Patch Antenna
PART NAME : MACRO260-919
MODEL NAME :
FEATURES : 900 MHz ISM Band
Provide highly stabilized performance
Rectangular microstrip patch antenna
DATE : July 5, 2024
QUANTITY : 1 pcs

SUPPLIER : MAC technologies Inc.		
DRAWN	CHECKED	APPROVED
		

 **mac technologies**

615, 530, Jikji-daero,

Heungdeok-gu, Cheongju-si, Chungbuk, KOREA, 28578

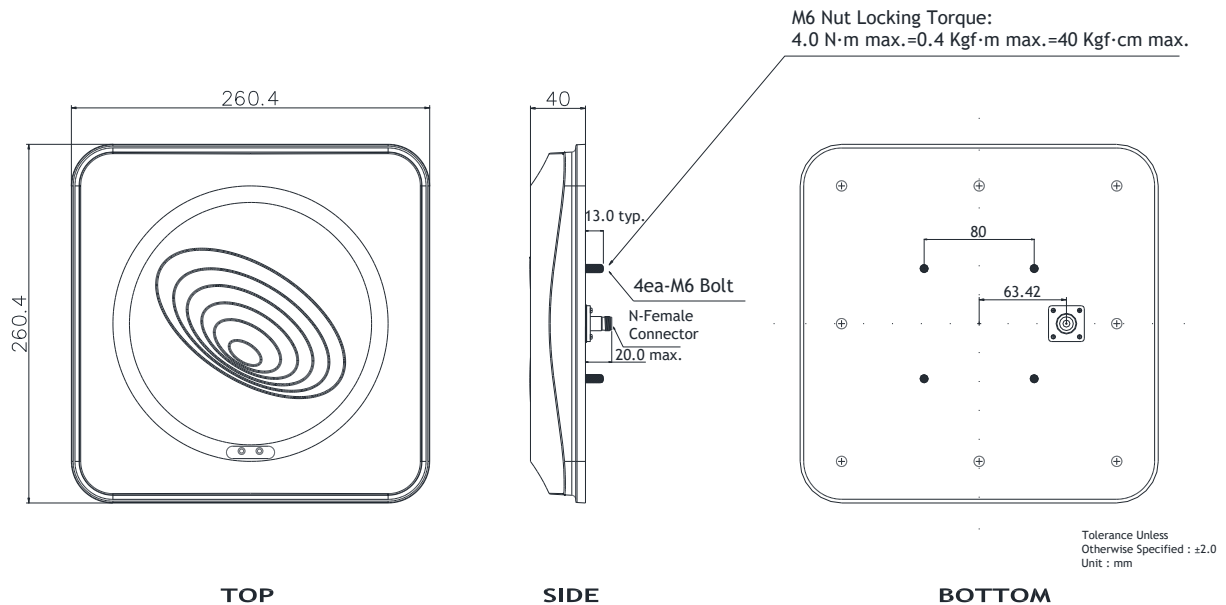
Tel : +82 43 275 2485 Fax : +82 43 275 2487

Title	RFID Air Patch Ant. Sample Specification
Document Number	MAC-08-02-04-2403
Date	July 5, 2024

1. Electrical Specifications.

NO.	Parameter	Spec.	Unit	Remark
1	Center Frequency	919.0	MHz	
2	Peak Gain	6.0 typ.	dBiL	@ 919 MHz
		9.0 typ.	dBiC	
3	Polarization	RHCP		
4	Beam Width	62 typ.	Deg.	@ -3 dB B.W
5	Band Width	100 typ.	MHz	@ -10 dB R.L
6	VSWR	1.3 : 1 max.	Ratio	
7	Impedance	50	Ohms	

2. Mechanical Dimensions. (unit : mm)-IP65



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4-3. Gain Test data

Source Antenna Polarization	Gain			
	917.0 MHz	919.0 MHz	921.0 MHz	923.0 MHz
H-Pol.(dBiL)	5.87	5.88	5.82	5.79
V-Pol.(dBiL)	5.77	5.80	5.80	5.75
RHCP(dBiC)	8.81	8.84	8.79	8.76