



## WR50 Antenna SPECIFICATION

|                           |  |
|---------------------------|--|
| Antenna Manufacturer Name | Universal Global Technology (Kunshan) Co., Ltd.  |
| Address                   | Name: Universal Global Technology (Kunshan) Co., Ltd.<br>Address: No. 497, Huangpujiang Road, Qiandeng Town,<br>Kunshan City, Jiangsu Province P.R. China 215341 |
| ODM P/N:                  | NA : RFID03N-N0-01<br>ROW : RFID03N-N0-00  |
| Test DATE                 | 2023/4/18  |
| DATASHEET REVISION        | P1   |

Test Engineer: Ren Hsu



## Description of Antenna

|                       |                            |
|-----------------------|----------------------------|
| Frequency Range       | NA : 920MHz ; ROW : 866MHz |
| Impedance             | 50Ω                        |
| Antenna type          | Patch                      |
| Manufacturing Process | LDS/Flex/Stamp Metal       |

Peak Antenna Gain:

NA:

| RFID03N-N0-01  |                |       |
|----------------|----------------|-------|
| Frequency(MHz) | Peak Gain(dBi) |       |
| Cable          | Short          | Long  |
| 917            | -2.86          | -3.05 |
| 918            | -1.96          | -1.89 |
| 919            | -0.96          | -0.70 |
| 920            | -0.16          | 0.32  |
| 921            | 0.41           | 1.00  |
| 922            | 0.83           | 1.31  |
| 923            | 1.11           | 1.36  |
| 924            | 1.47           | 1.25  |
| 925            | 1.54           | 1.07  |
| 926            | 1.65           | 0.84  |
| 927            | 1.62           | 0.51  |

ROW:

| RFID03N-N0-00  |                |       |
|----------------|----------------|-------|
| Frequency(MHz) | Peak Gain(dBi) |       |
| Cable          | Short          | Long  |
| 860            | -2.00          | -3.05 |
| 861            | -1.39          | -2.14 |
| 862            | -0.85          | -1.14 |
| 863            | -0.47          | -0.03 |
| 864            | 0.53           | 0.98  |
| 865            | 1.14           | 1.53  |
| 866            | 1.42           | 1.51  |
| 867            | 1.31           | 1.09  |
| 868            | 0.97           | 0.73  |
| 869            | 0.52           | 0.31  |
| 870            | 0.08           | -0.21 |



## Antenna Pattern:

