

## Antenna Information

| Item                      | Contents   |
|---------------------------|--|
| Antenna Type              | LDS PIFA Antenna   |
| Antenna peak gain         | -5.25 dB i   |
| Manufacturer / Model name | Partron / SM-R400N RIGHT   |
| Address of manufacturer   | 22, Samsung 1-ro 2-gil, Hwaseong-si, Gyeonggi-do, Republic of Korea, 18449 |
| Test Laboratory           | Partron  |
| Antenna Length            | 9.56 mm  |
| Antenna Width             | 6.87 mm  |



**RoHS FREE**

|     |     |     |    |    |   |
|-----|-----|-----|----|----|---|
| BFR | CFR | PVC | Sb | Ni | S |
|-----|-----|-----|----|----|---|

# Approval Sheet

[Rev 1.0]

|                  |                 |                    |                |
|------------------|-----------------|--------------------|----------------|
| Part Name        | BT Ant          | Model              | SM-R400N RIGHT |
| Frequency band   | BT(2.4GHz)      |                    |                |
| Type             | LDS             | P/N                | ALDBTR40REU    |
| Customer         | SAMSUNG         |                    |                |
| Production       | korea / Vietnam | mold               | #1             |
| mold maker       | Daegwang        | injection supplier | Partron        |
| plating supplier | Samin Precision | Date               | 2023-06-30     |
| product photo    |                 |                    |                |

※ We do not ask to provide technical data, and we do not use the acquired technical data unless there is a justifiable reason.

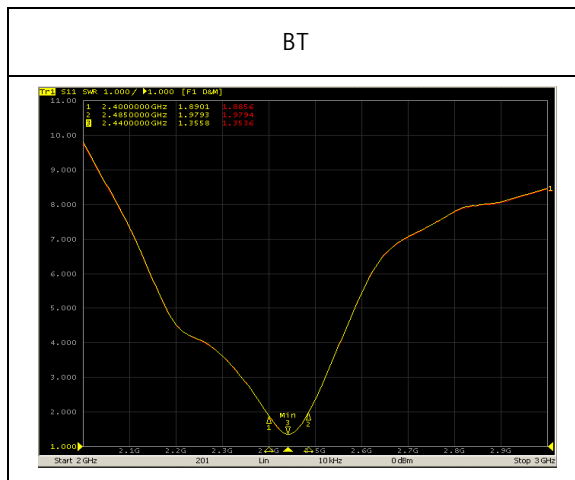
| division | 개발 [기안]    | 품질 [합의]    | 개발 [승인]    |
|----------|------------|------------|------------|
| Approval | J. Y. Ahn  |            |            |
| Name     | 안준영        | 이광규        | 전찬익        |
| Date     | 2023-06-30 | 2023-06-30 | 2023-06-30 |

| Production | factory | address   |
|------------|---------|---|
| Vietnam    | V2      | Plot 11 Khai Quang IZ, Vinh yen, Vinh Puct, Vietnam |

|            |                |         |         |             |             |
|------------|----------------|---------|---------|-------------|-------------|
| Model Name | SM-R400N RIGHT | Company | Partron | Part Number | ALDBTR40REU |
| Revision   | 1.0            |         |         | Date        | 2023-06-30  |

### 3. SET Electrical Characteristics

#### 3.1 VSWR



#### 3.2 3D Radiation Pattern

| 주파수대역<br>(Frequency Band) | BT       |          |
|---------------------------|----------|----------|
|                           | 2400 MHz | 2485 MHz |
| 3D Radiation Pattern      |          |          |
| Avg Gain [dBi]            | -6.70    |          |
| Efficiency [%]            | 21.33    |          |
| Peak Gain [dBi]           | -5.25    |          |