



## Sample Confirmation Letter

|                   |                                                                                                                                                                                                             |             |                 |            |  |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------|--|
| Applicant         | SZ PGST Co. , Ltd                                                                                                                                                                                           |             | Project Name    | PG-C10     |  |
| Part Name         | 433M Transmission antenna spring                                                                                                                                                                            |             | frequency range | 433±5MHz   |  |
| Part Number       | DS-T433E15-07-A                                                                                                                                                                                             |             | edition         | R:A        |  |
| Sample type       | built-in                                                                                                                                                                                                    |             | Issue Date      | 2024.05.09 |  |
| Prepared by       |                                                                                                                                                                                                             | Reviewed by |                 | Approve    |  |
| Customer Approval | <div><input type="checkbox"/> Fully recognized, can be purchased in large quantities      witnessing:_____</div> <div><input type="checkbox"/> Limited edition recognition, limit_____, reason: _____</div> |             |                 |            |  |
| Address           | No.9 Building, Huafu Industrial Park, Huachang Road, Longhua District, Shenzhen, Guangdong, China                                                                                                           |             |                 |            |  |
|                   |                                                                                                                                                                                                             |             |                 |            |  |

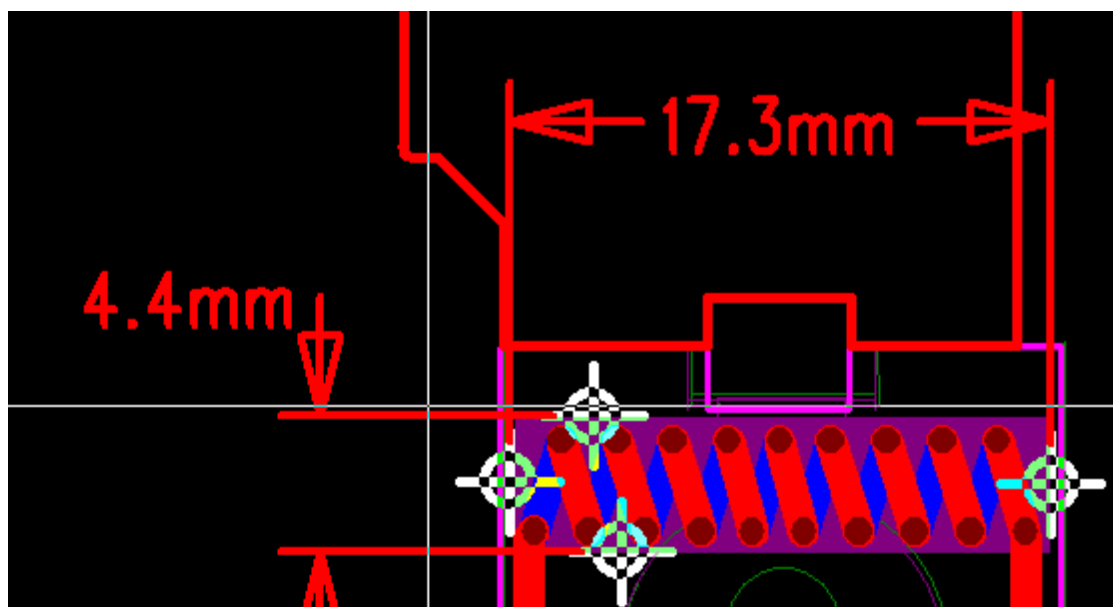


## Content

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### 3、Product dimension diagram





## 4. Specification

|                       |                         |
|-----------------------|-------------------------|
| FrequencyRange(MHz)   | 433±5                   |
| Antenna gain(dBi)     | 0                       |
| Efficiency (%)        | 25                      |
| VSWR                  | ≤3.0 For reference only |
| Input Impedance ( Ω ) | 50                      |
| Operation Temperature | -40℃~65℃                |
| Storage Temperature   | -40℃~65℃                |

## 5、Radiation Report

### 5.1 standing wave

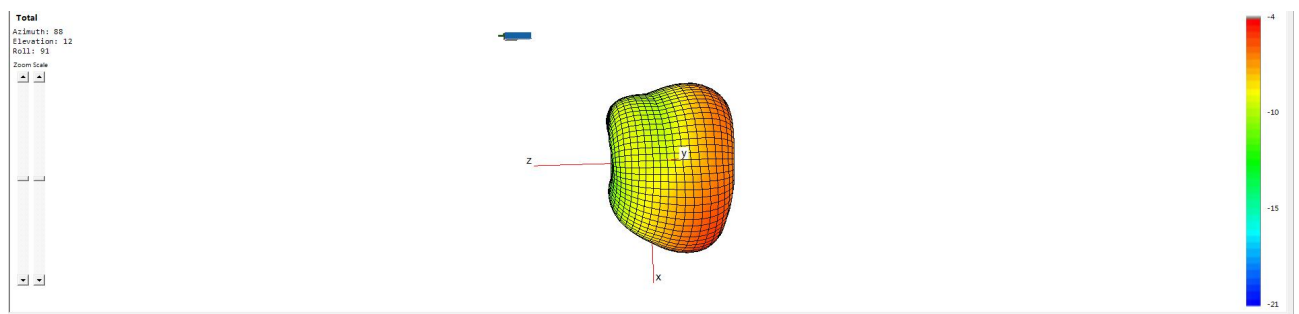
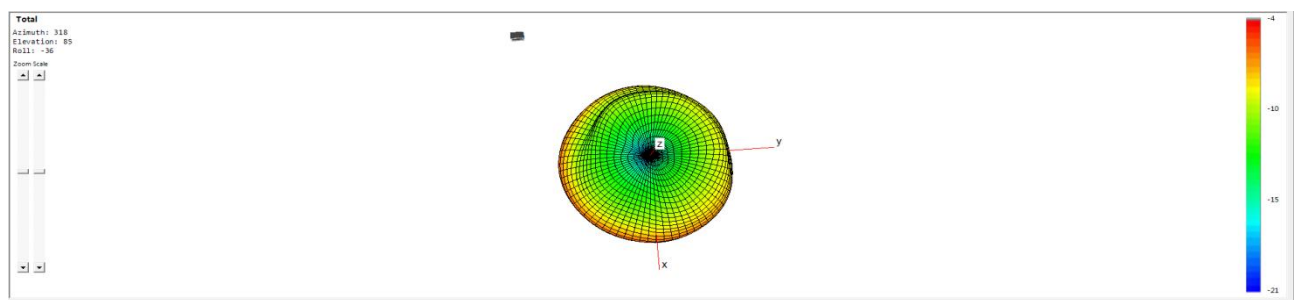
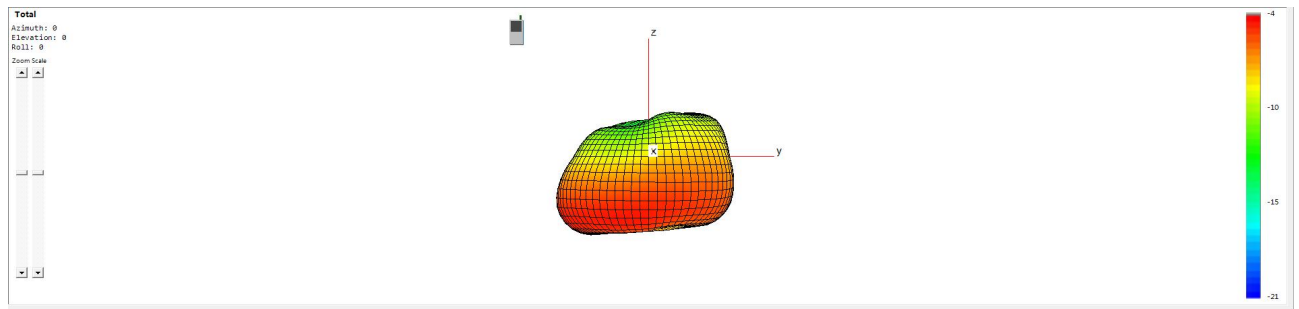


### 5.2 Efficiency chart

| ANT               |              |        |
|-------------------|--------------|--------|
| 频点frequency point | 效率efficiency | 增益gain |
| 423               | 25%          | -1.9   |
| 427               | 25%          | -1.3   |
| 431               | 28%          | -1.5   |
| 435               | 28%          | -1.2   |
| 439               | 28%          | 0      |
| 443               | 28%          | -1.0   |



### 5.3 Directional diagram



### 6. Test Setup Photo

