

# **APPROVAL SPECIFICATION**

**Product : Internal Antenna**

**Model Name : SP3115**

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## 1. Manufacturer

- HT Technology
- HT Technology Part Number : SH1315.Main

## 2. Model Name

- SP3115

## 3. Antenna Type

- Monopole

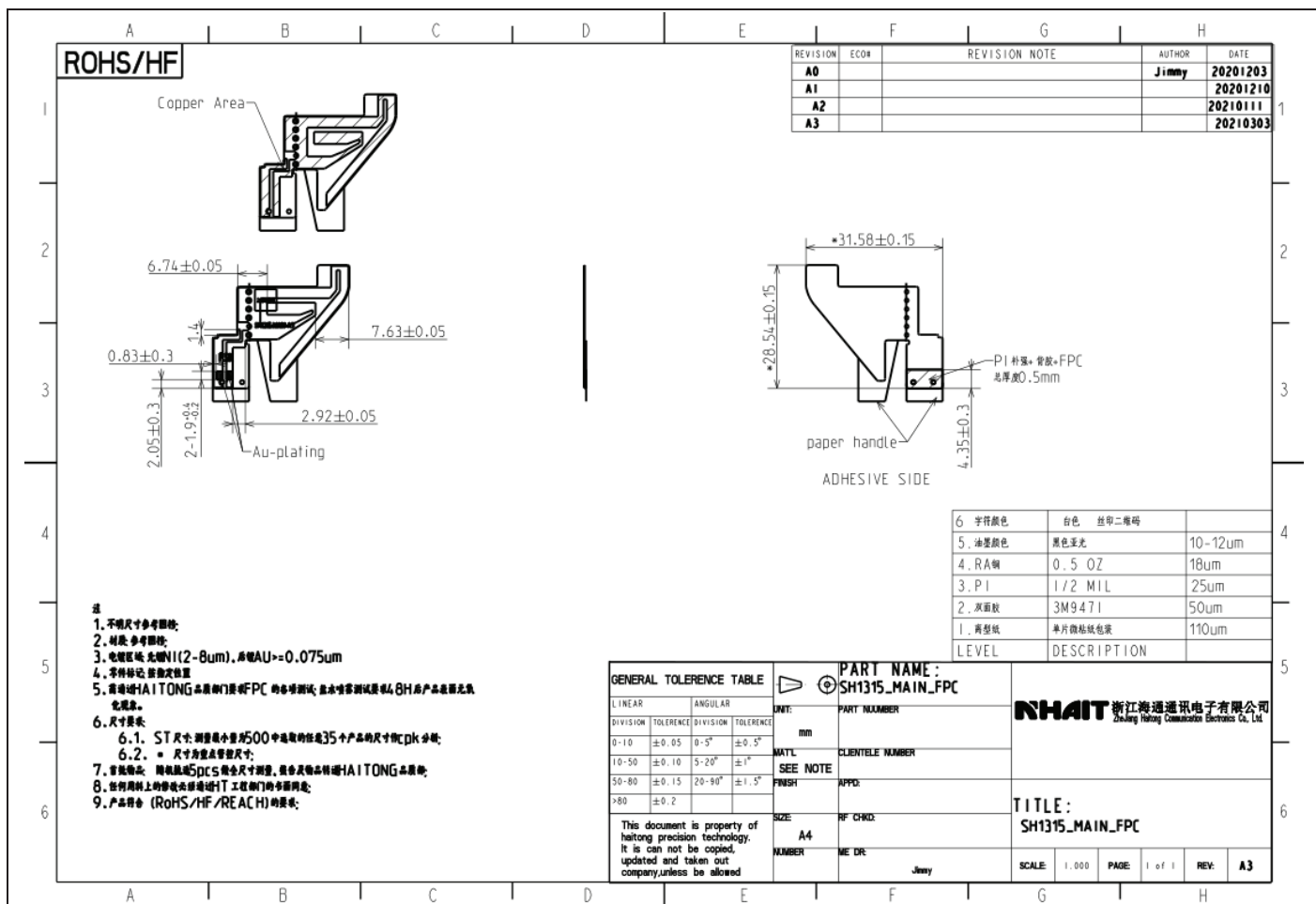
## 4. Electric Performance Data

### 4.1 Specification Sheet

#### 4.1.1 Main Antenna

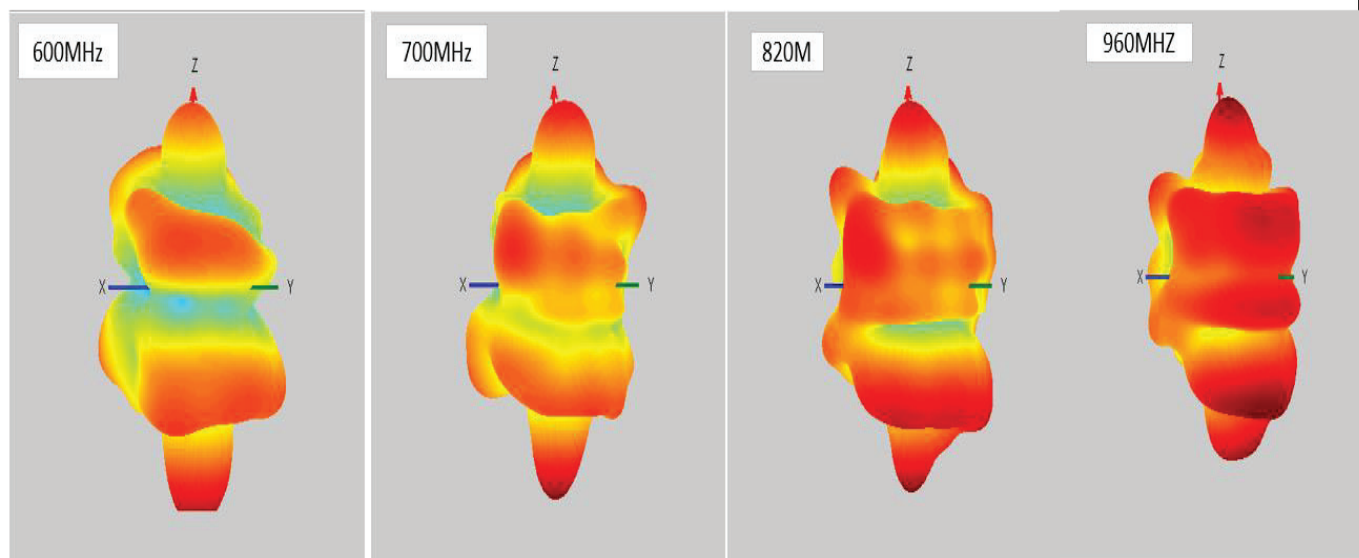
| Electronic Specification |                        |      |                                 |                                     |            |      |         |      |
|--------------------------|------------------------|------|---------------------------------|-------------------------------------|------------|------|---------|------|
| Frequency Range (MHz)    | LTE B4/66/<br>WCDMA B4 |      |                                 | LTE B2/25/<br>WCDMA B2/<br>GSM 1900 |            |      | LTE B7  |      |
| Average Gain (dBi)       | -3.6                   | -3.7 | -3.9                            | -2.4                                | -2.7       | -2.5 | -6.5    | -4.3 |
| Peak Gain (dBi)          | 1.15                   | 1.1  | 1.1                             | 1.56                                | 2.0        | 1.7  | -2      | 0.42 |
| Frequency Range (MHz)    | LTE B12/17             |      | LTE B5/<br>WCDMA B5/<br>GSM 850 |                                     | LTE B40/41 |      | LTE B26 |      |
| Average Gain (dBi)       | -4.1                   | -4.4 | -5.2                            | -5.1                                | -4.6       | -5.0 | -5.0    | -4.9 |
| Peak Gain (dBi)          | -0.11                  | 2.0  | 0.07                            | -0.47                               | 2.0        | 1.02 | 0.82    | 2.0  |

## 5. External Drawing

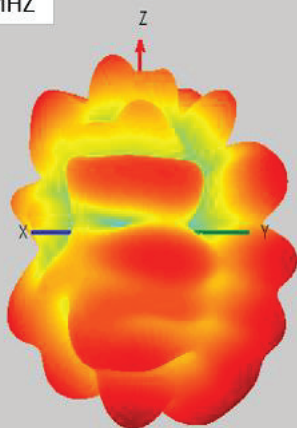


## 6.3D Directional Pattern

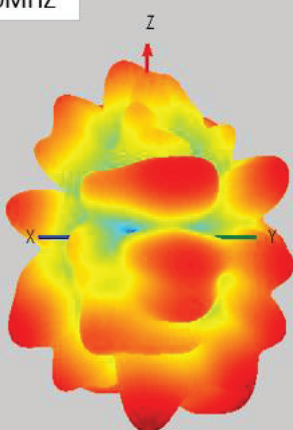
### Main antenna



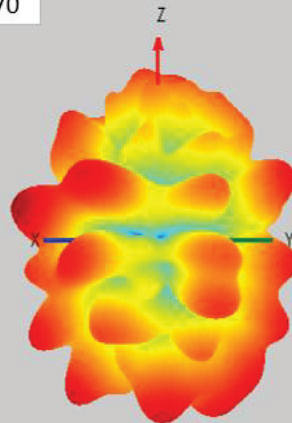
1710MHZ



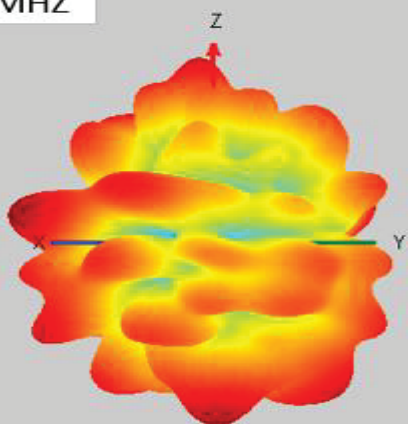
1880MHZ



2170



2300MHZ



2690MHZ

