

# **X Motion Sensor**

## **Antenna Passive Test Report**

**Equipment: X Motion Sensor**

**Model Name: SSM-Z70X-M-XI**

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## 1 Antenna Spec

| Parameter         | Value           |
|-------------------|-----------------|
| Frequency Range   | 2.4 ~ 2.5 GHz   |
| Antenna Peak Gain | 1.68 dBi        |
| Antenna Type      | PCB IFA Antenna |

## 2 Test Result

### 2.1 Efficiency and Gain

| Frequency (MHz) | Gain (dBi) | Efficiency (dB) | Efficiency (%) |
|-----------------|------------|-----------------|----------------|
| 2400            | 0.43       | -3.54           | 44.29          |
| 2410            | 0.87       | -3.28           | 47.03          |
| 2420            | 1.35       | -2.88           | 51.54          |
| 2430            | 1.13       | -3.11           | 48.84          |
| 2440            | 1.18       | -3.01           | 49.99          |
| 2450            | 1.54       | -2.78           | 52.67          |
| 2460            | 1.61       | -2.79           | 52.60          |
| 2470            | 1.52       | -2.83           | 52.11          |
| 2480            | 1.52       | -2.89           | 51.40          |
| 2490            | 1.41       | -3.05           | 49.57          |
| 2500            | 1.68       | -2.88           | 51.58          |

2.2 Radiation Pattern





