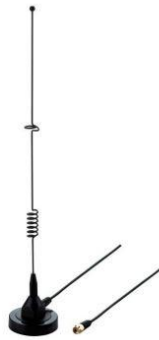


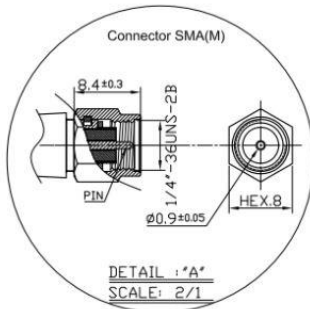
## 4G/3G/2G High Gain Magnetic Mount Ultra-Wideband Antenna

Model: AGM026L(SMA-1M)

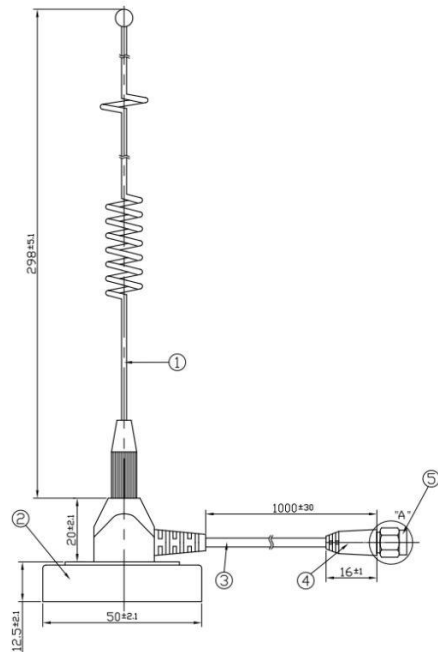


- Part Number  
**AGM026L(SMA-1M) - 1M cable SMA connector**

- Dimension (Unit: mm)



| Name                    | Finish | QTY |
|-------------------------|--------|-----|
| 1 GA.110 Antenna Stick  | Black  | 1   |
| 2 Cover                 | Black  | 1   |
| 3 RG174                 | Black  | 1   |
| 4 Strain Relief Bushing | Black  | 1   |
| 5 SMA(M)                | Gold   | 1   |



\*RoHS Compliant



3 Electrical Characteristics

Form 1

|                    |         |         |         |           |           |           |           |      |
|--------------------|---------|---------|---------|-----------|-----------|-----------|-----------|------|
| Frequency (MHz)    | 698~800 | 824~960 | 1575.42 | 1710~1880 | 1850~1990 | 1710~2170 | 2400~2700 | 3500 |
| Peak Gain (dBi)    | 1.8     | 2.6     | 1.3     | 2.5       | 2.3       | 3.9       | 2.9       | 0.6  |
| Average Gain (dBi) | -4.9    | -2.4    | -3.4    | -2.7      | -3.8      | -3.3      | -4.4      | -7.2 |
| Efficiency (%)     | 33.6    | 57.1    | 46.2    | 55        | 41.8      | 47.8      | 36.9      | 19   |
| Impedance          | 50Ω     |         |         |           |           |           |           |      |
| Polarization       | Linear  |         |         |           |           |           |           |      |
| Radiation Pattern  | Omni    |         |         |           |           |           |           |      |
| Input Power        | 50W     |         |         |           |           |           |           |      |

4 Mechanical

Form 2

| Item          | Specification |
|---------------|---------------|
| Base Diameter | 50mm          |
| Whip Diameter | 298mm         |
| Whip Material | Coated Brass  |
| Connector     | SMA Male      |

5 Mechanical

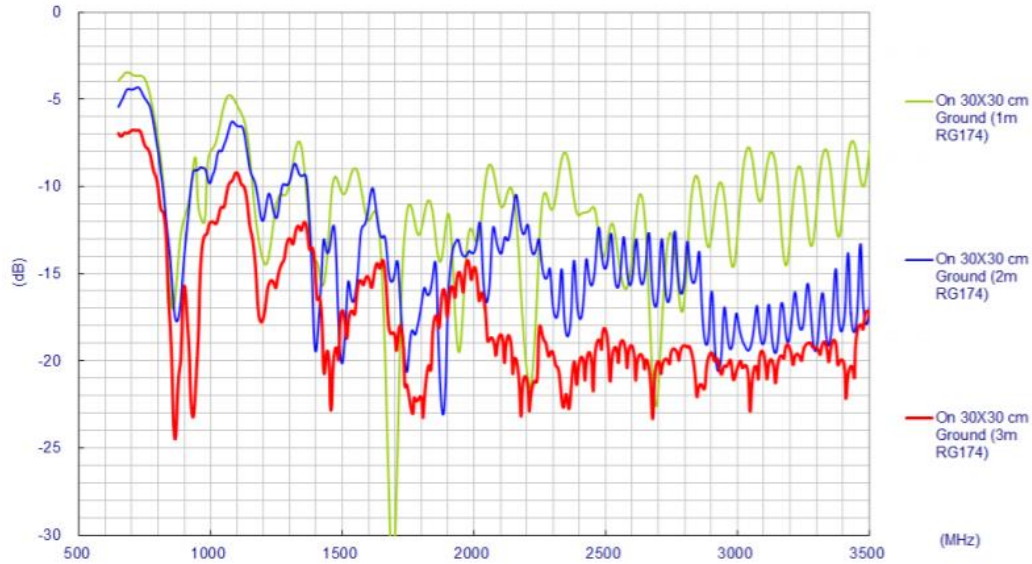
Form 3

|                   |                            |
|-------------------|----------------------------|
| Temperature Range | -40°C to 85°C              |
| Humidity          | Non-condensing 65°C 95% RH |

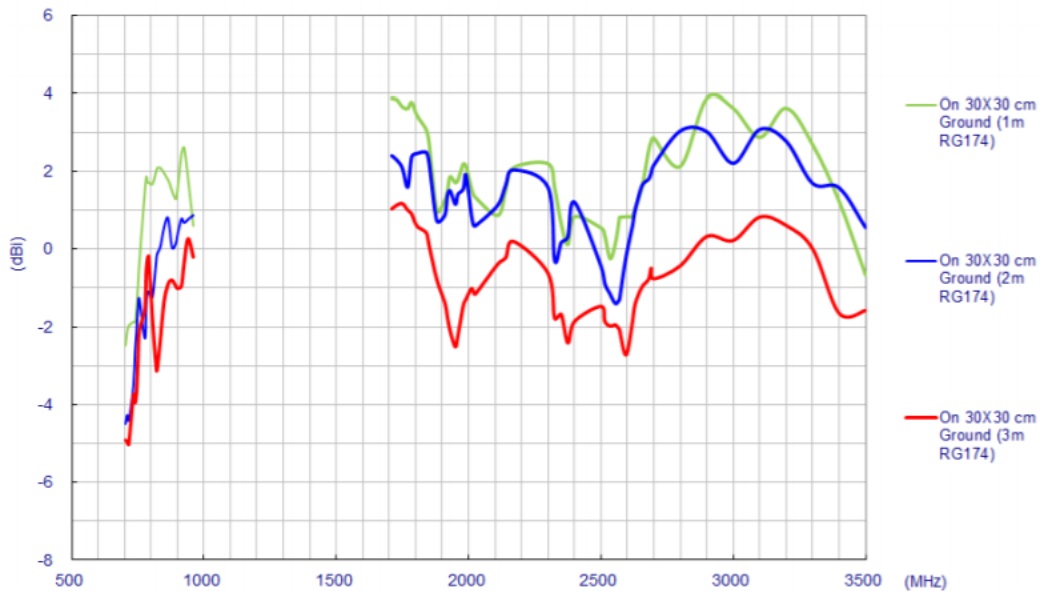


## 6 Antenna Characteristics

### 6.1 Return Loss



### 6.2 Maximum Gain

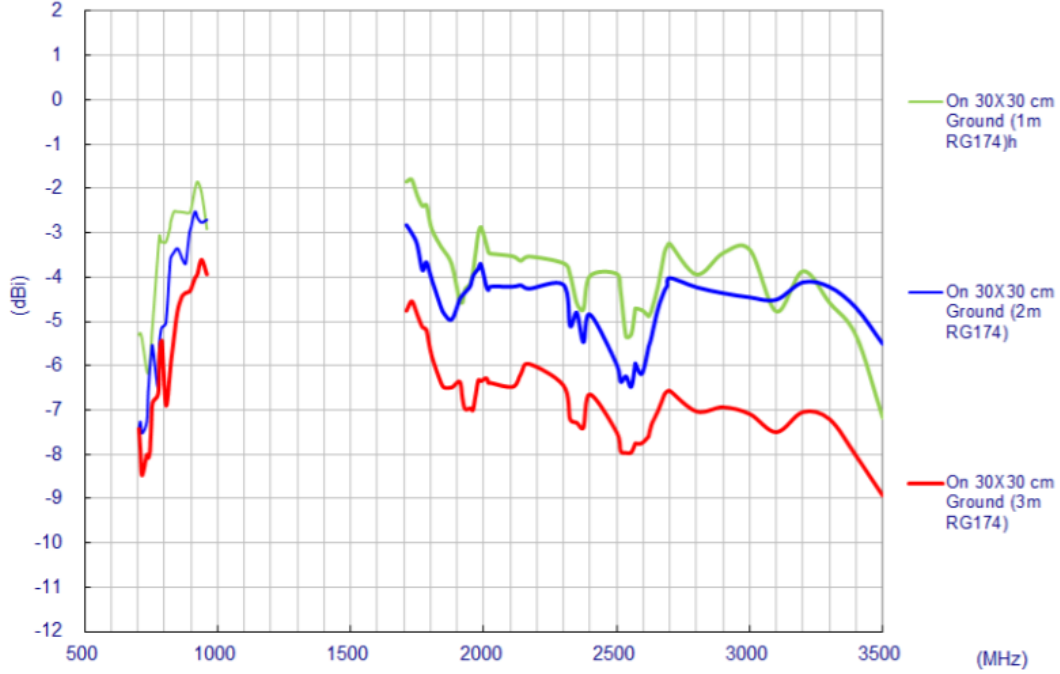


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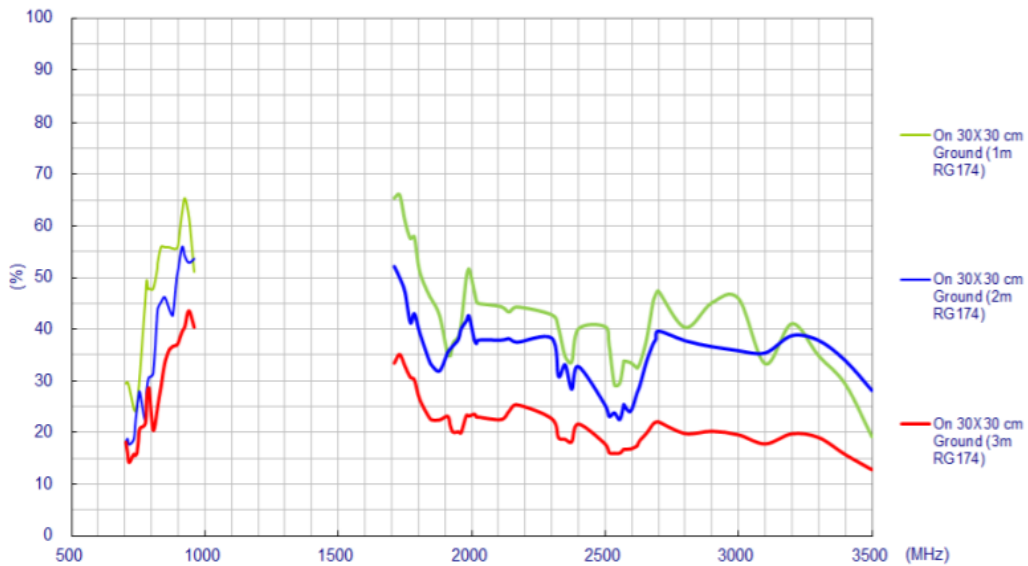
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6.3 Average Gain



6.4 Efficiency

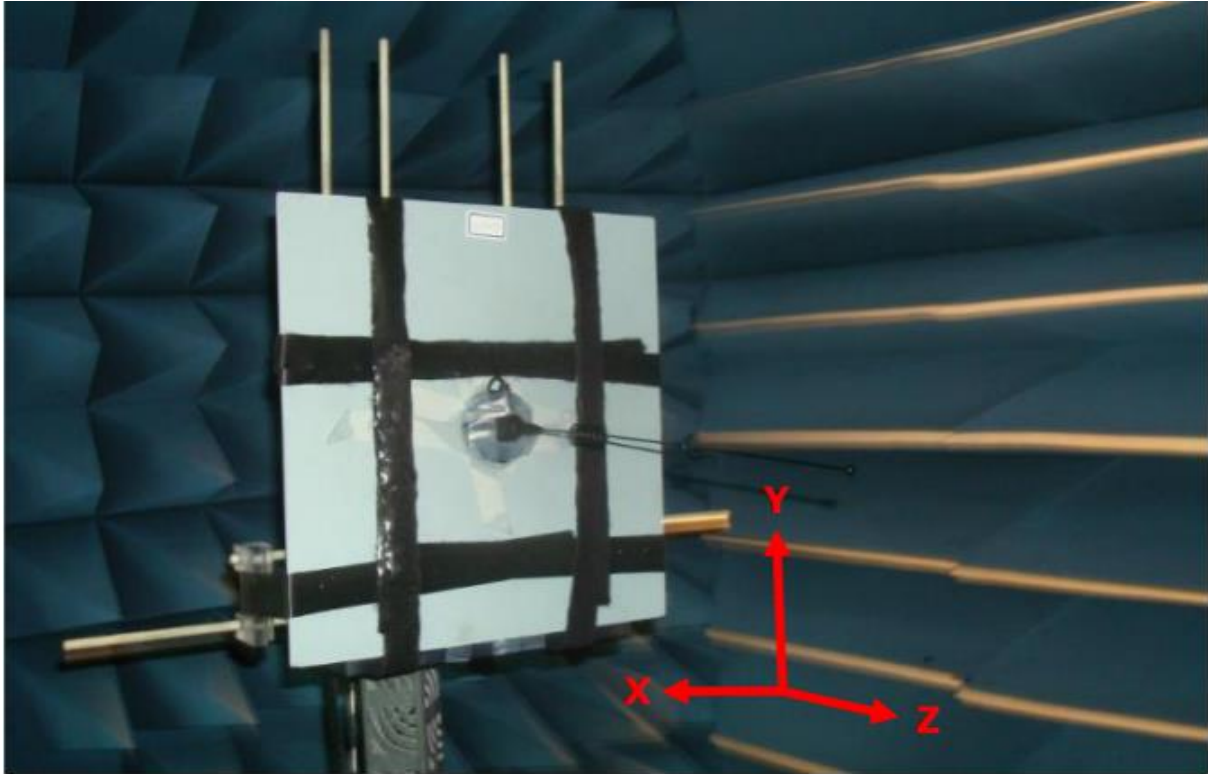


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## 7 Antenna Radiation Pattern

### 7.1 Antenna Setup (On 300x300mm ground plane)



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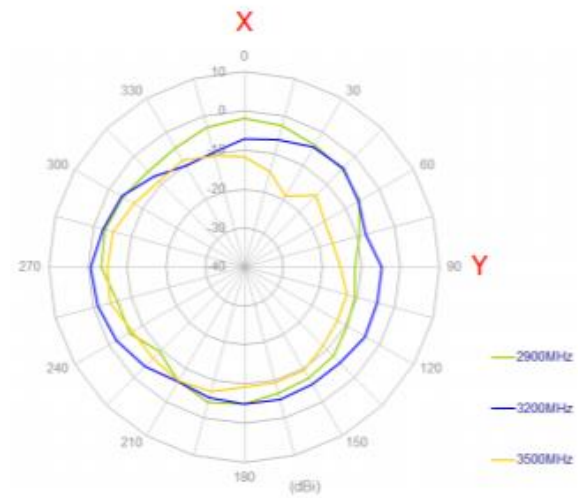
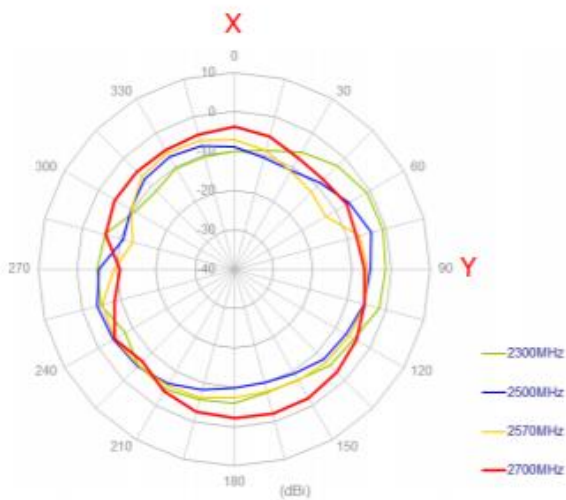
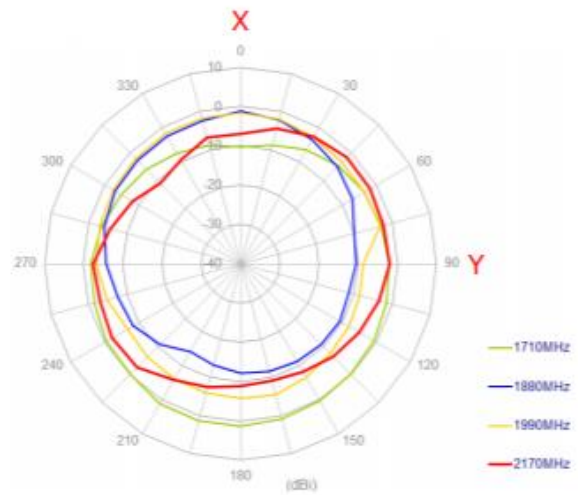
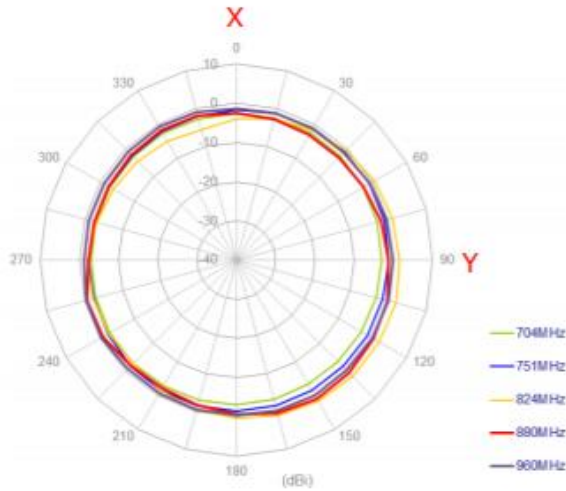
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## 7.2 Radiation Patterns (XY Plane)



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## 7.2 Radiation Patterns (XZ Plane)

