Exhibit H: Antenna Information

FCC ID: P6I-BTTX01

Note: Although a standard SMA connector is used on the antenna, Loctite adhesive will be used by the applicant during manufacturing to permanently attach the antenna; and thus satisfy the requirements of 47 CFR 15.203.
Bluetooth™ Swivel Antenna PCB
Bluetooth™ Swivel Antenna SMA

Omnidirectional for optimal radiation performance

Length: 50 mm

This is our standard Swivel Antenna intended for use with all 2.4 GHz applications where very high performance is of utmost importance and a small footprint is of lesser consideration. Since this is a half-wave antenna, it is independent of ground plane and the design minimizes special considerations for its placement.

Typical application areas are:
• Desktop PCs
• Printers
• Instruments
• Network access points
• Development prototypes

Description
The Bluetooth Swivel Antenna is a half-wave ($\frac{\lambda}{2}$) antenna for external or internal mounting.

Two designs are available:
• provided with a standard SMA connector.
• soldered directly on the PCB allowing the radiator to be placed outside the casing.

No external matching network is required.
The adjustable radiator is made of a flexible material and can be rotated 360 degrees in order to optimize radiation performance.
**Antenna specification**

- **Frequency:** 2.4-2.5 GHz
- **Efficiency:** 75%
- **Gain:** 1.6 dBi
- **Nominal impedance:** 50Ω
- **VSWR:** <1.5:1
- **Connector:** SMA Male/Soldered directly on PCB
- **Mounting:** Case or PCB
- **Operating temperature:** -25 °C – +70 °C
- **Relative humidity:** 95% at 30 °C
- **Weight:** SMA 7.4 g, PCB 5.0 g

**3D Radiation pattern**

**Horizontal cut, xy-plane**

**Vertical cut, xz-plane**

**Dimensions SMA version**

<table>
<thead>
<tr>
<th>Dimension (mm)</th>
<th>SMA Swivel 6069019</th>
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<tbody>
<tr>
<td>Height</td>
<td>18.4</td>
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<tr>
<td>Width</td>
<td>4.9</td>
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**Dimensions PCB version**

<table>
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<td>Height</td>
<td>19.4</td>
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<tr>
<td>Width</td>
<td>5.2</td>
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</tbody>
</table>

**Article No.**

SMA Swivel 6069019, PCB Swivel 6076019

Your strategic partner for antenna technology in the 2.4 GHz frequency band.