



Dated: January 15, 2026

Subject: Antenna Justification Letter for FCC Part 18 Compliance

FCC ID: 2BT37-N30A001

Model Number: Nova 30

To Whom It May Concern,

This letter provides justification for the antenna configuration used in the above-referenced device, submitted for certification under **FCC Part 18**.

Radiated Measurement Justification

All compliance testing, including fundamental and spurious emissions, was performed using **radiated measurement methods**. As such, antenna gain and performance characteristics were inherently captured in the test results. Therefore, no separate antenna gain documentation is required to demonstrate compliance with FCC limits.

This approach aligns with the guidance provided in the **FCC TCB Workshop (October 2022)** and **KDB 353028 D01**, which allows for a justification statement in lieu of antenna gain documentation when radiated measurements are used exclusively.

Antenna Description

- **Antenna Type:** PCB Trace spiral coil
- **Location:** Dedicated custom PCB, mechanically mated to underside of TX/RX PCB
- **Dimensions :** 85 mm × 85 mm × 0.85 mm
- **Polarization:** Circular
- **Orientation:** Symmetric
- **Frequency Bands Supported:** Tuned Resonant at 1.825MHz

Supporting details and materials

1. Photograph



Compliance Statement

The antenna configuration has not been altered in a way that would affect radiated performance. No external gain-enhancing accessories (e.g., reflectors, lenses) are used. The antenna is permanently affixed and not user-accessible or replaceable.

Should you require any additional information or clarification, please do not hesitate to contact us.

Sincerely,
Jonathan Dawe
Compliance Manager
Solace Power
Jonathan.Dawe@Solace.ca