

June 08, 2026

Federal Communications Commission
445 12th Street SW, Washington, DC 20554

Subject: Original Grant Application for Lantern Refresh
Application Type: Certification (New Original Application)

Model No: 502000
Applicant: OrthAlign, Inc.
Manufacturer: OrthAlign, Inc.
FCC Rule IDs: 15.247
FCC ID: 2AVMS-406012

OrthAlign would like to request a new original certification. We are submitting the results of FCC certification for our orthopedics navigation tool.

The Radio Module in our Navigation Unit Model No. 502000 is capable of 2.4GHz bands for 802.11bgn and Bluetooth Low Energy.

The radio module will be used in orthopedics in professional healthcare environments with the closest spacing of the antenna being less than 20cm to nearby persons in normal operation. The device is intended for knee and hip surgery which is away from the users' head and torso.

Note: The 802.11b/g/n functionality is only enabled during manufacturing and is used solely to load final updates to the operating software. During this process, the Nav device operates in Manufacturing Mode, and manufacturing personnel will maintain a distance greater than 20 cm from the 802.11b/g/n module.

For deployed field units, the Navs OS boots into Production Mode. In this mode, the firmware image required to enable 802.11b/g/n operation is not loaded. Therefore, Wi-Fi communication is disabled and cannot occur during normal field use.

If you have any questions or need additional information, feel free to contact me.

Sincerely,



Travis Larson, Assoc Dir. Embedded Systems