

Antenna Datasheet - SmartPass Signal Beacon

1. Antenna Manufacturer

The SmartPass Signal Beacon uses a proprietary integral 4x4 circularly polarized patch antenna array. The antenna is custom designed and tested using state-of-the art equipment by TransCore's research and development engineering group located at 8600 Jefferson St. NE, Albuquerque, NM, 87113.

2. Antenna Summary

The antenna was designed exclusively for this product. It is integral to the SmartPass Signal Beacon and it is not accessible to the end user. The end user has no means to substitute the antenna with another antenna. The antenna described in this document was installed in the equipment under test during regulatory compliance testing. The same integral patch antenna array described herein represents the production antenna configuration for the SmartPass Signal Beacon. No alternate antenna was used for regulatory compliance measurements unless specifically identified in the applicable test report.

The antenna has a peak gain within the operating frequency band of **6.08 dBi @ 2462 MHz**.

3. Additional Information

Proprietary information regarding antenna design and operation are provided in the Confidential Theory of Operation exhibit and other Confidential documents.