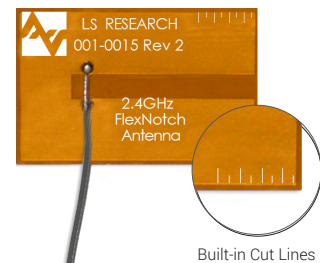# FlexNotch™

Flexible, Adhesive-Backed Notch Antenna

FlexNotch is the only adhesive-backed, flexible notch antenna that can be easily custom-trimmed for maximum range within your specific enclosure. Paired with the antenna design expertise offered by LSR, FlexNotch provides a simple, repeatable process for optimizing antenna tuning to deliver maximum range for your application.

- With FlexNotch, tuning for your specific application is as easy as 1, 2, 3:

    1. Request a Design Review and provide LSR with an enclosure sample

    2. LSR's Antenna Design experts use 3D modeling and lab testing to determine optimal antenna length for maximum range

    3. Built-in cut lines simplify the production process to consistently adapt antennas for best gain & range

        OR

        Order pre-trimmed from LSR (MOQ requirements apply)

- Ability to be flexed in either concave or convex directions without sacrificing antenna performance

- Small size and adhesive-backing give further mounting flexibility within your product design

Built-in Cut Lines

Practical Applications:

- Clear, simple trimming of antenna for consistent product performance
- Mounting on curved surfaces

Actual Size Shown

www.lsr.com | 262.375.4400

FlexNotch™ 2.4 GHz Antenna performance

Specification	Value
Typical Gain	+2 dBi
Efficiency	> -1.5 dB
VSWR	< 2.5:1, 2400-2480 MHz
Impedance	50 Ω
Weight	0.85g
Size	32.0 mm x 21.1 mm
Connector Type	U.FL cable
Operating Temp	-40ºC to +85ºC

For full specifications please refer to datasheet.

Order Information

Part Number	Description
001-0015	Antenna, 2.4 GHz FlexNotch

These LSR products are all REACH and EU ROHS compliant.

LSR is the leader in Wireless Product Development, offering true end-to-end solutions through its array of services and technical expertise.

Design Services

LSR delivers complete system solutions from concept to manufacturing. We are your wireless M2M solutions partner, providing complete turnkey services and solutions.

- RF Design/Engineering
- Software/Firmware Design
- Antenna Design
- Industrial Design
- Mechanical Engineering

EMC Testing & Certification

At LSR, we understand it is critical for your company to have a compliant product supported by the appropriate documentation, ready for deployment into the market. LSR provides the experience and knowledge to provide quality test services that meet your timeline and budget.

- On-Site FCC/IC/CE EMC Certification
- Wireless & Antenna Testing
- EMC Testing

Wireless Products

LSR offers the fastest, lowest cost way to add wireless capabilities to your product concept. LSR's fully-certified modules and antennas accelerate your time-to-market and support the full breadth of communication technologies, including:

- Wi-Fi®
- Bluetooth® & Bluetooth Smart
- ZigBee®
- 802.15.4
- NFC and RFID
- Cellular, including LTE