Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

Revie Plex
850/900/1800/1900 and UMTS Internal Pentaband PCB Antenna

REVIE PLEX INTERNAL PENTABAND PCB ANTENNA

Laird Technologies' Revie Plex printed circuit board (PCB) antenna can be placed on the inside of a non-metallic housing, allowing it to be hidden almost anywhere while providing an invisible solution for many applications. The combination of multiple frequency bands and an omnidirectional pattern offers a variety of uses suited for indoor applications. The antenna is specifically designed for internal applications covering the 850/900/1800/1900 and UMTS bands.

FEATURES ✓RoHS

- Multi-band operation: 824 MHz – 960 MHz, 1710 MHz – 2170 MHz
- Available in various cable and connector configurations
- Lightweight and small form factor
- Easily mounts directly to inside of device housing
- Conformance to RoHS
- Patent pending design

MARKETS

- Wireless Terminal
- POS, Vending Machine
- M2M (Machine-to-Machine)
- AMR (Meter Reading)
- Telemetry
- Security

SPECIFICATIONS	
Frequency	824 MHz – 960 MHz, 1710 MHz – 2170 MHz
Gain	2.20 dBi @ 900 MHz, 3.80 dBi @ 2000 MHz
Input Impedance	50 Ohm
Polarization	Linear, Vertical
VSWR	3.0:1 @ 900 MHz, 2.5:1 @ 2000 MHz
Average Efficiency	55% @ 900 MHz, 69% @ 2000 MHz
Dimensions	70 x 20 x 0.2 mm
Operational Temperature	-40°C to +75°C
Mount Style	Internal
RoHS	Compliant

Note: There will be some variance of spec with different type of cable, different length of cable and connector. The performance may vary according to the device concept. The antenna is optimized for 5 inch-6 inch cable length as baseline design.

global solutions: local support™

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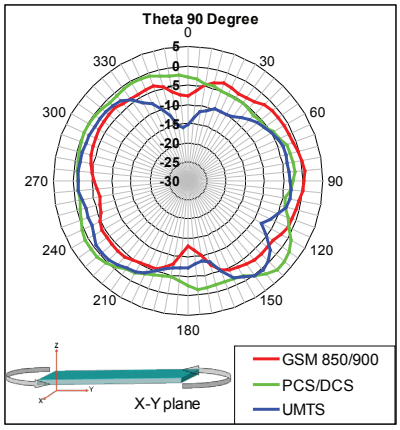
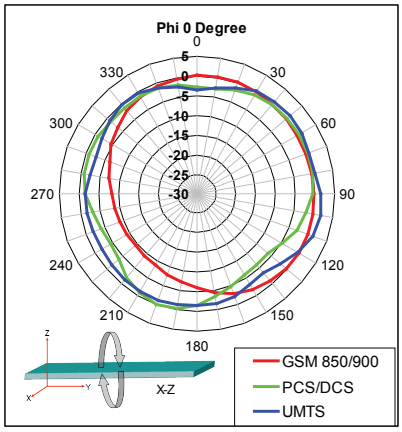
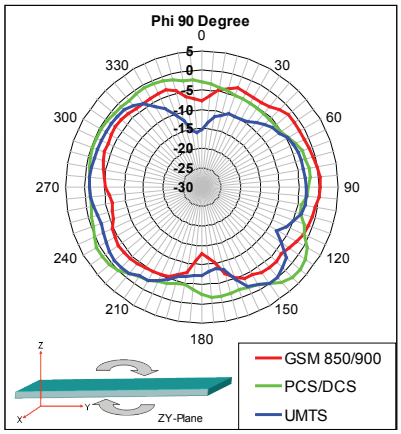
ANTENNA PATTERNS







SYSTEM ORDERING INFORMATION

Part No.	Cable	Connector
EPL8221A1-13UFL	127 mm, Ø 1.13 mm (5 inch)	IPEX MHF
EPL8221A1-15UFL	152 mm, Ø 1.13 mm (6 inch)	IPEX MHF

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