Laird TECHNOLOGIES

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

Surface Mount SMS69273 Antenna

North America: LTE, Cellular, PCS, AWS, MDS
Europe: GSM 900, DCS, UMTS, UMTS 2600



SURFACE MOUNT SMS69273 ANTENNA

The SMS69273 antenna, features broadband and omnidirectional gain performance. It is an excellent solution for wireless access points and cellular applications. As a surface mount antenna, it features an integrated anti-theft locking mechanism.

It is ideal for both indoor and outdoor applications due to its durable and weather-proof antenna radome design.

FEATURES & BENEFITS RoHS

- Multi-band operation
- Available in various cable and connector configurations
- Wide bandwidth and omnidirectional gain performance
- Durable and weatherized radome design
- Conformance to RoHS

APPLICATIONS

- Wireless Terminal, Point-of-Sale, Machine to Machine,
- Automatic Meter Reading and Home Security

SPECIFICATIONS

TYPICAL ELECTRICAL SPECIFICATIONS	
Frequency	698 MHz ~ 960 MHz, 1710 MHz –2700 MHz
Gain	0.8 dBi @ 698 MHz~960 MHz; 0.2 dBi @ 1700 MHz~2200 MHz; 0.2dBi @ 2500 MHz~2700 MHz
Average Efficiency	64% @ 698 MHz~960 MHz, 52% @ 1700 MHz~ 2200 MHz, 45% @ 2500 MHz~ 2700 MHz
Elevation Plane 3dB Beamwidth	60° @ 698 MHz~960 MHz, 50° @ 1700 MHz~ 2200 MHz, 40° @ 2500 MHz~ 2700 MHz
VSWR	2.0:1 Maximum
Polarization	Linear, Omnidirectional Radiation Pattern
Nominal Impedance	50 Ohms
Power, max.	3 Watts
Cable	LMR-195 or Equivalent (Length = 4572 mm +/- 113 mm)
RF Connector	TNC Male
Radome	PC, UV stabilized, Black
Material Substance Compliance	RoHS
Flame Retardancy	UL-94 V0
Operating Temperature Range	-30°C to +70°C
Storage Temperature Range	-40°C to +85°C
IP Rating	IP-67
Dimensions	87 mm (height) x 200 mm (diameter)
Antenna Weight	0.60 kg

CABLES AND CONNECTORS

MODEL NUMBER	CABLE TYPE	CONNECTOR
SMS69273-91TNM	36" LMR195	TNC MALE

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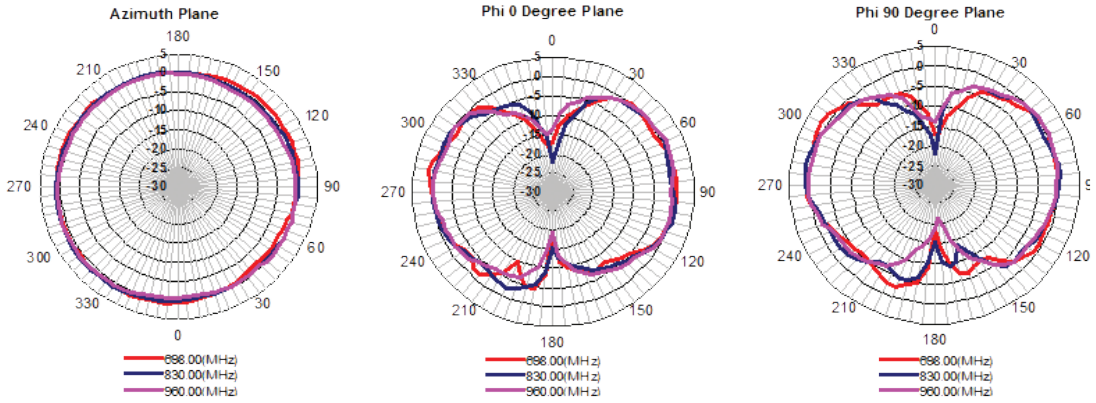
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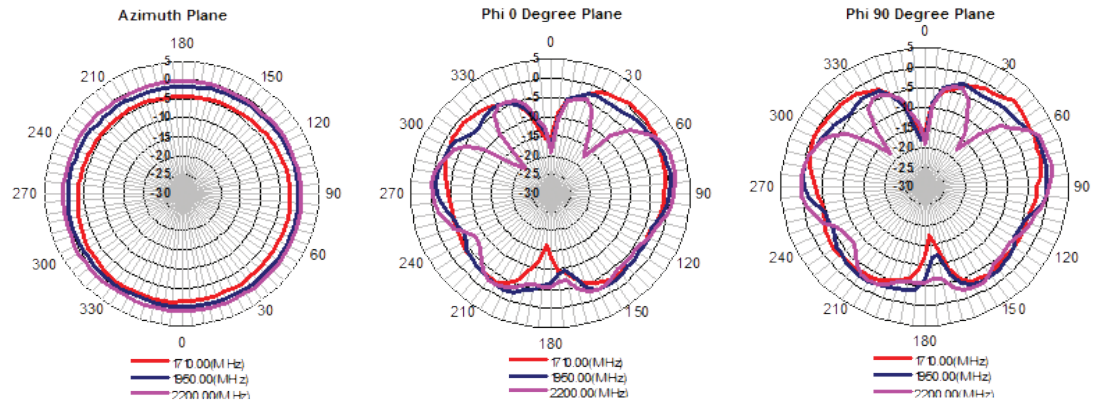
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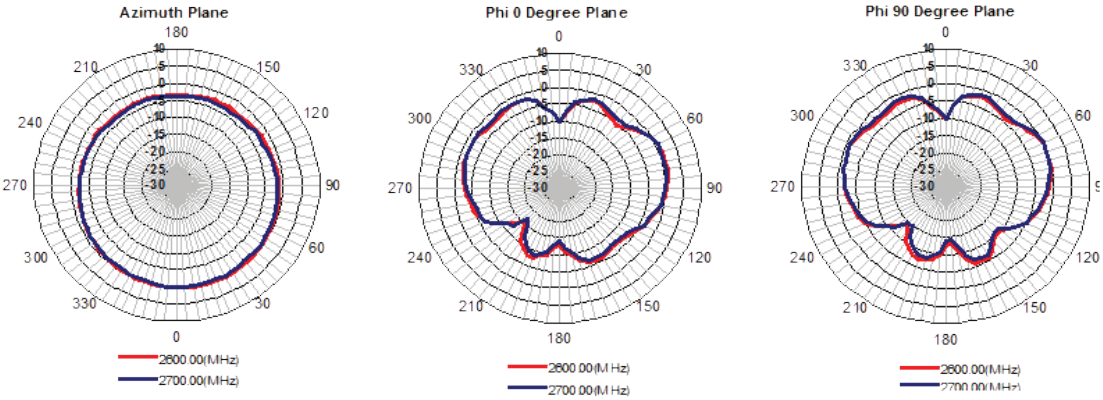
TYPICAL RADIATION PATTERNS



698-960 MHz Band



1710-2200 MHz Band



2400-2700 MHz Band

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