

Antenna

Typically any products with Wifi,
Bluetooth, Zigbee, ...



External antenna

FAKRA / N / SMA / MCX / MMCX

Internal antenna

U.FL / IPEX MHF / MCX / MMCX





Portfolio(Antenna)-5G LTE IP67 waterproof Antenna With FAKRA/SMA interfaces

650-10012-01/03 :

IP67 outdoor antenna with customizable plug interface

A major soda bottling company tasked our customer to develop a low-profile LTE antenna for Payment Validation in Vending Machines. Antenna had to be <2.0 inches tall and IP64. (Weather resistant)



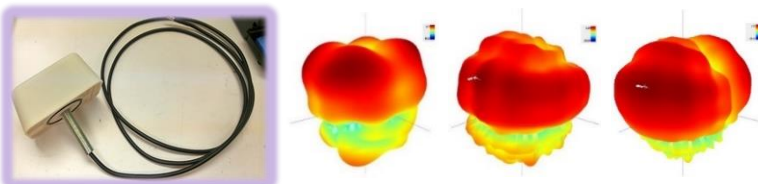
Payment Validation Company contacted Genesis to design and manufacture low-profile low-cost multi-band LTE antenna.



Genesis designed and simulated and used 3D printed housings and laser-cut radiating elements for a Monopole LTE antenna with 6 foot cable.



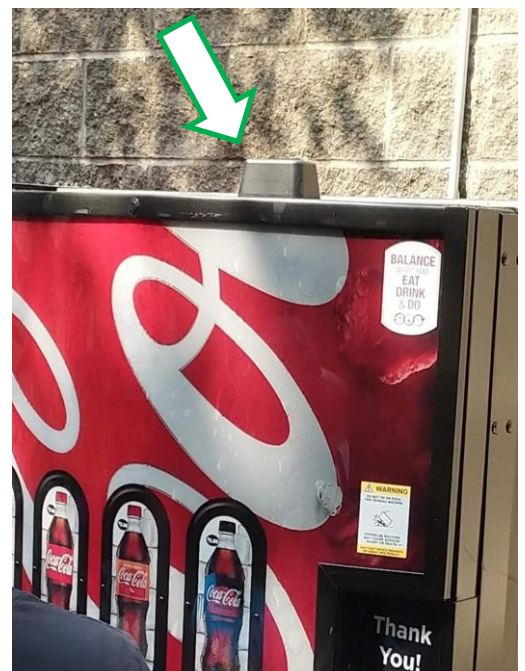
Take Prototypes to 3D Satimo Lab



Tooled Versions Available under cost target



(200K units shipped)



Flex PCB Antenna

Customer Problem

Electric meter manufacturer needed a way to mount an LTE antenna onto their existing plastic enclosure. Could not re-tool housings as they had to mate to existing bases in the field.

Total delivered solution,
Antenna+cable+connector
+adhesive+plastic
clips+tape



Flex FPC solution!



Genesis engineered solution

650-10064-01:

Developed flex PCB antenna with heat staked mounting clip and MMCX interface. Antenna was color matched to plastic housing per industrial design.

Applications

Typically any products with Wifi, Bluetooth, Zigbee, ...



(IROBOT-Roomba)



(Flexible antennas,
placeable in optimal locations for
best reception!)

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Achieve Your Ideas.