

Class II Permissive Change for MJ-i6B-1001

Original Device: MJ-i6B-1001 (FCC ID.: 2AFV8-CAMJPI6B1001,
IC: 20621-MJPI6B1001)

New Models: MJ-i8-1001



September 30, 2018

MJ-i8-1001

External of MJ-i8-1001

SIGNAL JOOSE SWITCH

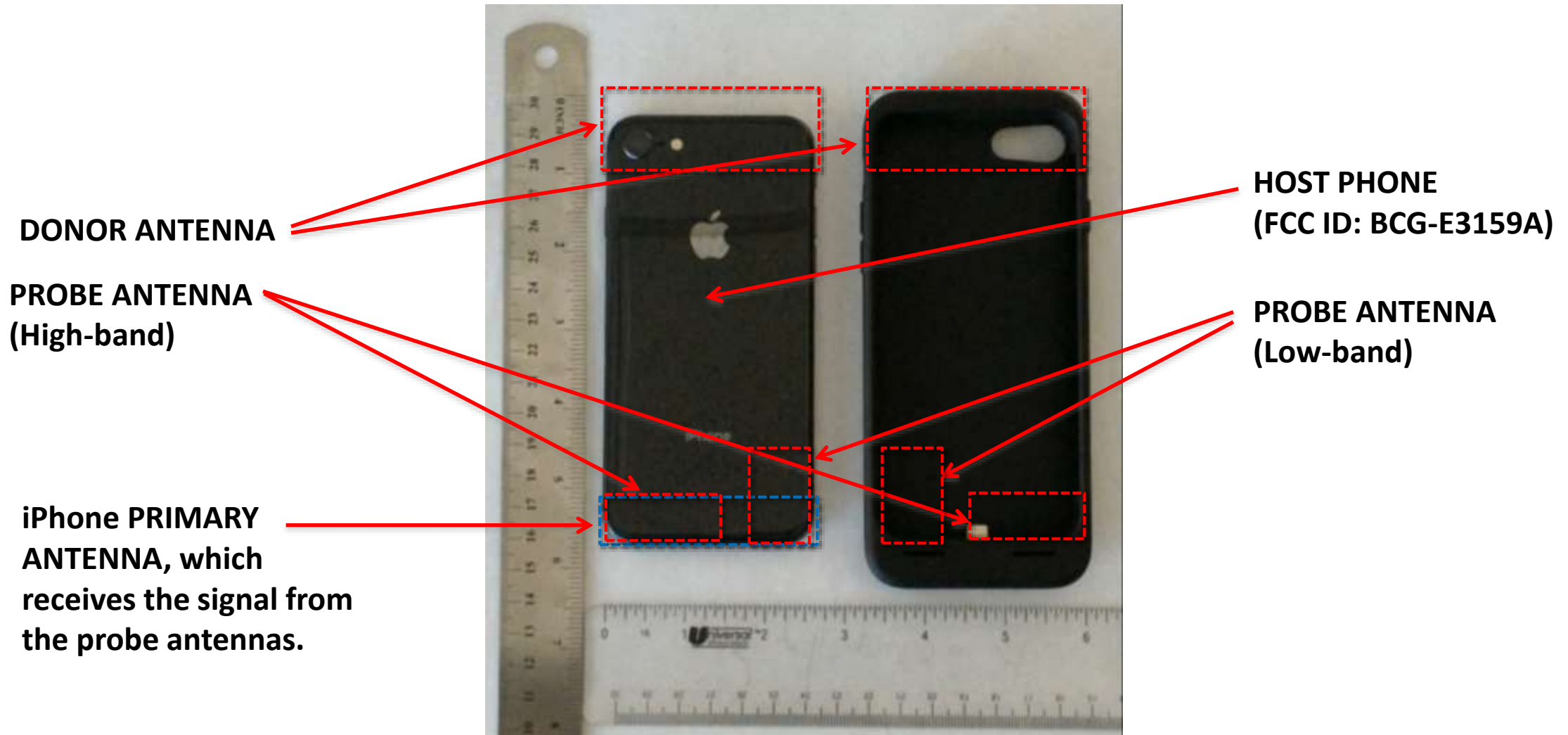
BATTERY BOOST SWITCH



MJ-i8-1001 with the Host Phone Apple iPhone 8 (FCC ID: BCG-E3159A, IC: 579C-E3159A)



Antenna Locations of MJ-i8-1001 and Host Phone

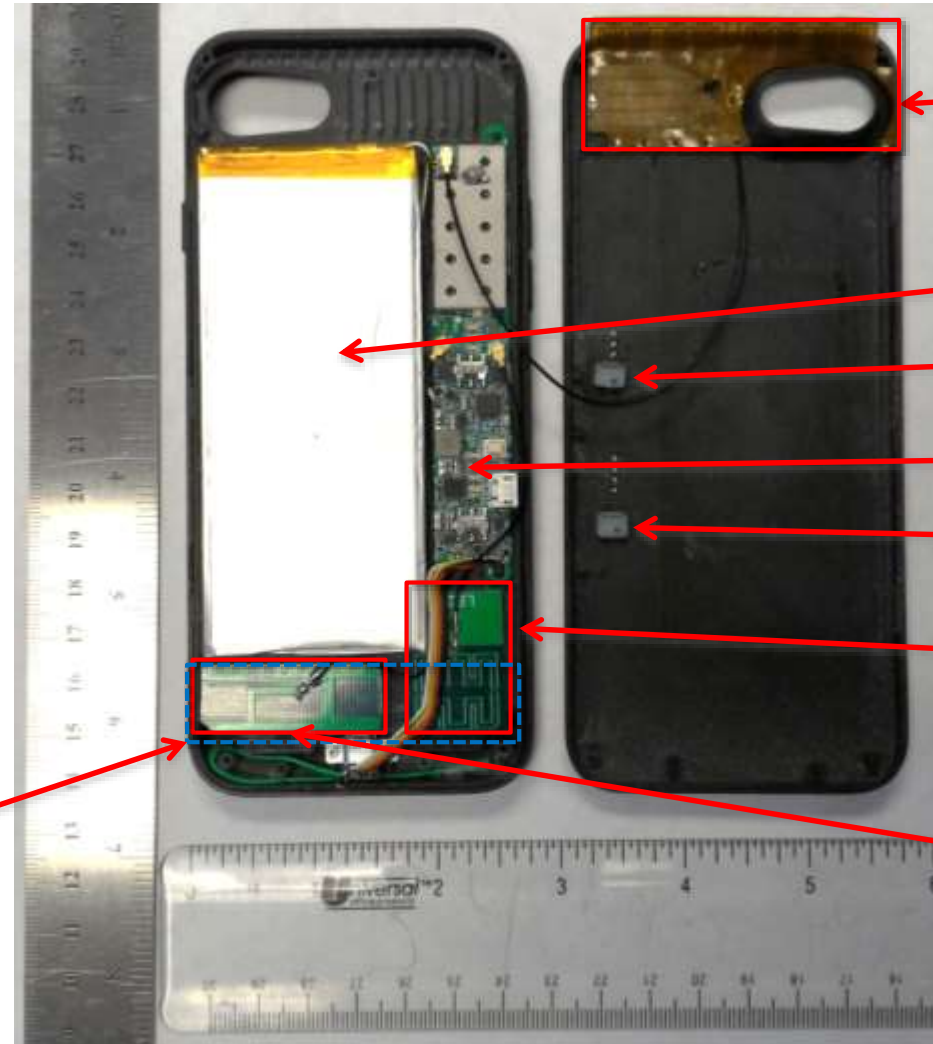


Internal of MJ-i8-1001

MJ-i8-1001B has three antennas including a donor antenna and two probe antennas supporting low-band and high-band (refer to “MJ-i6B-1001 RF BLOCK DIAGRAM”).

The donor antenna is implemented on a flexible PCB; the probe antennas are printed on a rigid PCB. All antennas are glued to the plastic housing.

iPhone PRIMARY ANTENNA, which receives the signal from the probe antennas.



DONOR ANTENNA

BATTERY

SIGNAL JOOSE SWITCH

PCBA

BATTERY BOOST SWITCH

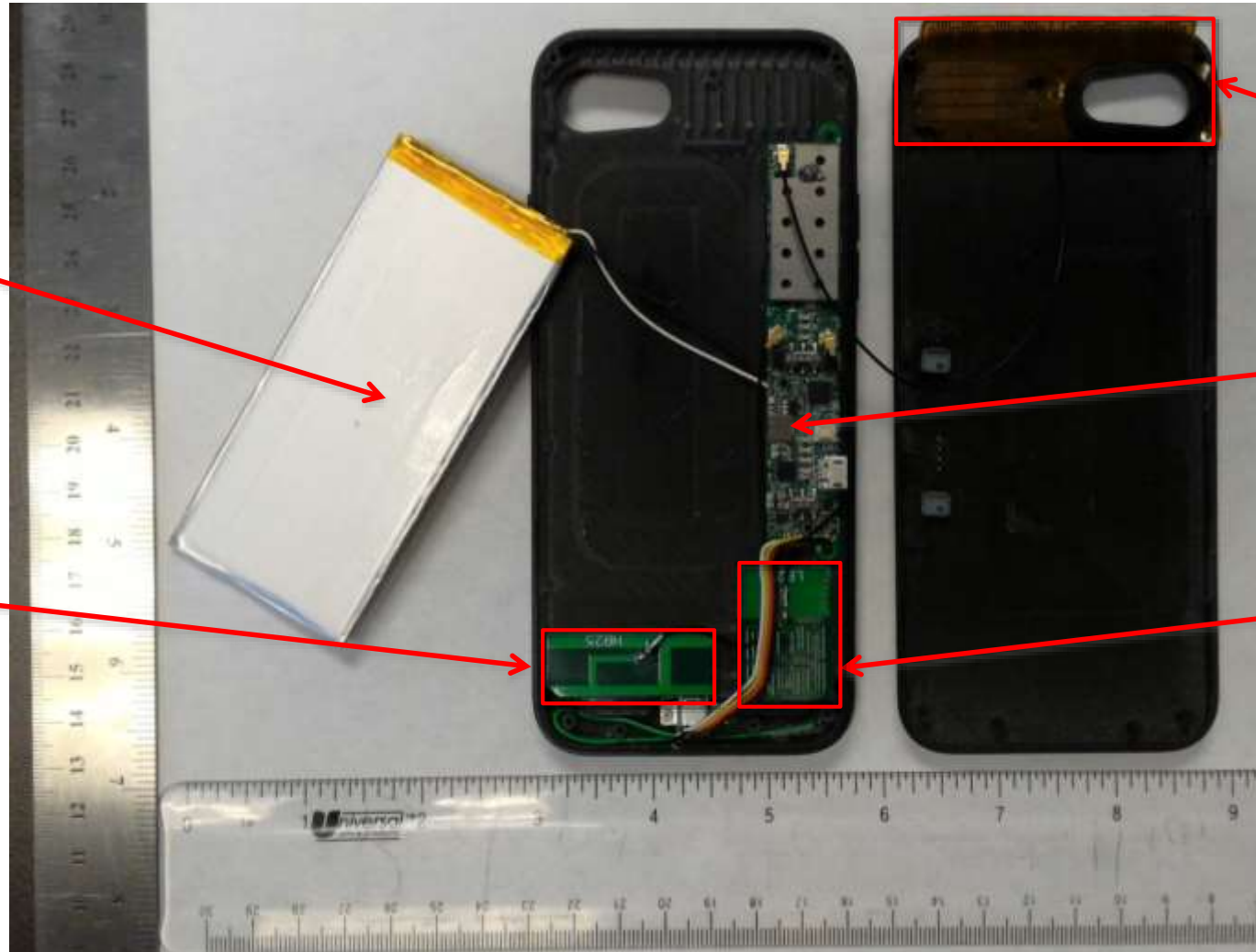
PROBE ANTENNA
(Low-band)

PROBE ANTENNA
(High-band)

Internal of MJ-i8-1001 (cont.)

The battery is separated from its original location to show the underneath, which is the plastic housing.

PROBE ANTENNA
(High-band)



DONOR ANTENNA

PCBA FRONTSIDE

PROBE ANTENNA
(Low-band)