FCC ID: PWO460007

CT Project: P13a0013
From: Daniel Park
Date: 1/29/14

1. In response for the inquire #1, the booster and phone potentially work like “coupled” device, however, none of exhibit supports that handset has to be close to the booster unit and make as near field communication. In fact, “Operational Description” indicates that other than cell phone such as PDA or modem could be used for the similar application as well. Therefore, phone and inside antenna of the booster can be treated as far field communication. Under this circumstance, the intended mode should be accounted for in the RF Exposure calculations using the realistic maximum power of the handset as used with this device of inside and outside antennas in the booster. It can be assumed that the handset is operating at its maximum allowed power output or at the actual operating parameters if this device controls the handset output. Please adjust RF exposure report accordingly and provide the inside antenna specification.

Wilson: This one is the same as the PWO460006, which was accepted without inside antennas. We adjusted the operational description to further indicate the requirement of it being a coupled device, but the booster cannot be used for far field communication without physical adjustment and damage which voids its warranty. The use of a coaxial cable is mentioned in the operational description with the explanation that it is only for the purpose of testing. The only inside antenna used with this device is the one contained inside the case. The information for this antenna is part of the MSCL that was initially sent with the device. Please refer to Operational Description Rev 1 exhibit.

2. In the test report at the page 77, the “variable Uplink Nosie Power” Test result and “variable downlink Nosie Power” were not included for some reason. Please provide.

20.21(e)(8) (i) (A)

(i) Technical Requirements --(A) Noise Limits. (1) The transmitted noise power in dBm/MHz of consumer boosters at their uplink and downlink ports shall not exceed -103 dBm/MHz--RSSI.

CT: Please note, in the Test Results Summary, I have the following for Noise tests:
per rule 20.21e... if noise is less than -70dBm/MHz (“Transmit Power OFF Mode”) then EUT will not shut off, therefore the following tests will not be performed:
1) Variable Uplink Noise Power Tests,
2) Variable Downlink Noise Power Tests,
3) Noise timing test

Response by: Mike Graffeo for CT & Wilson
Submitted by: Compliance Testing LLC
Date: 1/31/14