



Excellence in Compliance Testing

Certification Exhibit

FCC ID: Z5E-W2CBW003-BG1

FCC Rule Part: 15.247

ACS Project Number: 12-0174

Manufacturer: Teligy, Inc.
Model: W2CBW003

RF Exposure

General Information:

Applicant: Teligy, Inc.
Device Description: 2.5 GHz WiMax transceiver module
Host Description: Bluetooth Gateway
Device Category: Portable (Body Worn)
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Antennova SMD Impexa 2.4 GHz P/N 3030A
Antenna Gain: 0.9 dBi Max
Maximum Transmitter Conducted Power: 5.26 dBm, 3.36 mW
Maximum System EIRP: 6.16 dBm, 4.13 mW
Exposure Conditions: < 20 centimeters

RF Exposure Justification

The purpose of this class II permissive change is to include FCC ID: Z5E-W2CBW003-BG1 to the Teligy, Inc. Bluetooth Gateway portable body-worn host device.

The Bluetooth Gateway contains an additional collocated WiMax transceiver, FCC ID: Z5E-IPWPEM1-BG1, of which simultaneous transmission is applicable. RF exposure for FCC ID: Z5E-IPWPEM1-BG1 is addressed in a separate equipment authorization.

An RF exposure evaluation is not required for FCC ID: Z5E-W2CBW003-BG1 per KDB447498 section 3(b)(ii)(1). The power output power is $\leq 60/f(\text{GHz})$ mW. The maximum power out is 4.13 mW EIRP and the power threshold $60/f(\text{GHz})$ mW is 24mW.