

March 24, 2008
ITPD-08-F002A

To: Mr. Gregory Czumak / PCTEST TCB
RE: FCC ID: ACJ9TGCF-29DB
Applicant: Panasonic Corporation of North America
Correspondence Reference Number: ACJ80044
Confirmation Number: 801230044-47
Date of Original Email: March 19, 2008
Subject: TCB Questions for FCC ID: ACJ9TGCF-29DB

This is in response to your request for additional information.

1. Please submit External/Internal photos of the EUT. Please be sure that there is a photo that shows the position of all antennae in the EUT, and demonstrates a minimum 20cm separation distance for each (except the BT).

Answer: Today I will send you additional photographs, which show antenna positions and spacings.

2. The Bluetooth Operational Description states that EDR mode is available to the EUT, however, the test report does not reflect the higher data rates. Please verify that EDR mode has been disabled in the EUT.

Answer: The subject PC will employ Alps Bluetooth Model UGXZ5 in compliance with BT spec Ver 1.1 with max symbol rate of 1Mbps. Note, this PC combination will not use Alps Bluetooth Model UGXZA with BT spec Ver 2.0 + ERD, which has max symbol rate of 3Mbps. Today I will send you confidential specifications for employed Alps Bluetooth Model UGXZ5.

3. We note that the maximum antenna gains for the external licensed antennae shown in the cover letter and manual are those derived in the MPE report for the ACJ9TGCF-29DC. Those derived for this EUT are much higher. Is this intentional? If not, please revise the cover letter and resubmit it.

Answer: The employed EVDO transmitter max output power would allow a higher max recommended external antenna gain for the external WWAN base whip antenna for the cellular band to be 9.88 dBi and the PCS band to be 7.96 dBi. However, we elected to declare the same recommended max antenna gain used for our other PC combination under FCC ID: ACJ9TGCF-29DC, which uses HSDPA3.6 transmitter with a higher rated max RF output power.

4. FYI: in the future, please be sure that the EvDO and Bluetooth Block Diagrams show all of the clock/oscillator values, as required.

Answer: We have requested all our different employed transmitter manufactures to begin to include all internal used clock/oscillator frequencies into these provided confidential block diagram(s).

Sincerely yours,

Richard Mullen

Richard Mullen
Group Manager