QuieTek

ATCB004189 | HD5760002 | 1693B Comments reply

1) Please review page 3.2 in the Manual. This device is designed to support voice communications with a built-in microphone. This implies to me that it is capable of either face-held or ear-held positions. The RF Pout quoted on Form 731 is above 150mW, and consequently above the “Low Threshold” limit shown in the TCB Exclusions List. Therefore, SAR testing in either face-held or ear-held positioning shall be required.
   Reply: Voice communications are not supported in this device. The previously user manual is mistyping, we have correct it.

2) 2.) Please note that distinctions between SAR levels in 802.11b or 802.11g mode are irrelevant. However, distinctions between head and body SAR levels are appropriate. Please be sure both body and head SAR are shown in the Manual.
   Reply: Voice communications are not supported in this device. The previously user manual is mistyping, we have correct it.

3) Section 8 of the Manual appears to imply that the end user may be able to add any WiFi transceiver. How is it assured that only specific types of WiFi radios are installed into this product? Kindly list the radios which are approved for use with this device.
   Reply: Only one WiFi chipset will be used with this device.

4) I note the “zero-config WiFi” feature is disabled on this device. That implies to me that you may be using your own software. How do you insure that end users can set this device to only operate on the 11 channels allowed for 2.45GHz WiFi in North America? Please note that any operation which allows users to select country or region is insufficient to guarantee compliance with 15.15(b).
   Reply: No changes are permitted which will allow operations on any channels other than 1-11.

5) Can this device be set up for peer-to-peer operations? If so, then is it possible for this device to link with another device set to channel 13?
   Reply: No changes are permitted which will allow operations on any channels other than 1-11.

6) Please refer to your Test Report, Section 3. How did you determine the maximum power across all data rates in each of Mode 1 or Mode 2?
Reply: We configure that the EUT transmits in the middle channel (2427MHz) and at different data rates. Then we observe the power variation at different data rates and choose the maximum one as the test condition. As a additional information: test data rate in 802.11b=11Mbps and 802.11g=54Mbps.

7) I note that you are using a VBW for band edge measurements considerably greater than 10Hz. This implies to me that the test software was not capable of a true “CW” mode, and was instead pulsing. Can you kindly provide details about the transmitter duty cycle observed? Additionally, this duty cycle may influence the results of SAR report. Was the duty cycle of the transmitter accounted for during SAR testing?
Reply: The SAR test report is revised and the duty cycle plots are shown on P.22 and P.23. During SAR testing, we use the maximum power as in FCC Part 15 testing.