

RE: Actiontec Electronics, Inc.  
FCC ID: LNQ802CA

1) Please confirm (Y/N) if the fundamental envelope changes over different bit rates.

Response: No

2) Peak power measurements made with a spectrum analyzer (pg. 10 and 31 of 54) state that the measurements were made with RBW= 1 MHz, VBW = 30 kHz and using the max hold function. Please clarify if the power was summed across the fundamental envelope.

Response: Yes, the HP8563E has a channel power function, which measures the total power across the fundamental envelope by using the 26-dB bandwidth.

3) The antenna gain of the integral antenna was not consistent throughout the report. Page 17 of 54 states 1.45 dBi, while page 38 of 54 and the RF exposure information states 1.2 dBi. Please comment on this inconsistency.

Response: The correct gain is 1.2 dBi. The report has been revised with the correct gain.

4) The output power on the summary page (page 6 of 19) for 5.15 to 5.25 Band does not match test report for Turbo Mode. Please correct this error.

Response: Has been corrected as requested. Report has been revised

5) The device is listed as Class B regarding digital device emissions, however page 52 of 54 states that measurements from 30 - 1000 MHz were made at 10 meters. Please comment.

Response: Has been corrected as requested. Report has been revised