Document Update for FCC ID B5D300750

Reference: J. Dichoso email to G.Wright, 4/13/99

Update Explanation:

The data on page 6 lists measurements taken at 1 meter, but the table header states that the measurements were taken at 3 meters. The table shows limits per FCC 15.209 restated for 1 meter per calculation listed on page 3. Page 3 also states that all measurements were taken at 1 meter.

We have confirmed that the data were taken at 1 meter. Measurements recorded at 3 meters, per industry standard, were unable to generate a reading above the noise floor of the test equipment. The unit was brought into 1 meter so that readings above the noise floor could be measured. These values recorded at 1 meter show that all requirements of FCC 15.209 are met. Unfortunately, a standard template table was used in listing the data from the six highest radiated peaks, which incorrectly called out a measurement of 3 meters instead of the 1 meter actually used.

The following page lists the information measured accurately:

To replace table on page 6 of Wireless Telephone Headset document

Six Highest Radiated Peaks (Measured at 3 meters)					
Frequency (MHz)	**Peak Amplitude (dBµV/m)**	**Class B Limit (dBµV/m)**	**Limit Delta (dB)**	**Polarization (H/V) and Axis**	**Results**
.49488	Below Noise Floor	73.7	---	V	Compliant
*	*	*	*	*	Compliant
*	*	*	*	*	Compliant
*	*	*	*	*	Compliant
*	*	*	*	*	Compliant
*	*	*	*	*	Compliant

Six Highest Radiated Peaks (Measured at 1 meter)					
Frequency (MHz)	**Peak Amplitude (dBµV/m)**	**Class B Limit (dBµV/m)**	**Limit Delta (dB)**	**Polarization (H/V) and Axis**	**Results**
.49488	86.5	92.8	-6.3	V_y	Compliant
.49488	85.5	92.8	-7.3	H_z	Compliant
.49488	74.8	92.8	-18.0	H_x	Compliant
.49488	71.9	92.8	-20.9	V_x	Compliant
.49488	64.1	92.8	-28.7	V_z	Compliant
.49488	Below Noise Floor	92.8	---	H_y	Compliant

* All other emissions were below the ambient noise floor.

A bandwidth plot of the fundamental is shown below for Channel A. This channel has a fundamental of 494880 Hz. Channel B fundamental is 484330 Hz. Each channel has a frequency tolerance of less than 100 Hz. This tolerance includes unit-to-unit production variability as well as variation due to temperature changes within the operating temperature range for each unit (frequency stability). The frequency stability portion of the tolerance is less than 10 Hz., while the production variation portion of the tolerance is well less than 90Hz. Overall frequency tolerance is less than 100 Hz. The bandwidth of the fundamental is equivalent for both A and B channels. Channel A bandwidth shown below, taken with a spectrum analyzer set at 3Hz resolution bandwidth and a 1000 Hz span, shows that the bandwidth is ~ +-7 Hz at the -30 dB downpoint. Thus the fundamental is always below 495000 Hz.