RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth Speaker
Model Name	\$32, \$1, \$2, \$5, \$6, \$7, \$8, \$9, \$11, \$12, \$13, \$15, \$16, \$17, \$18, \$19, \$20, \$21, \$23, \$24, \$25, \$26, \$27, \$28, \$29, \$30, \$31, \$33, \$34, \$35, \$36, \$37, \$38, \$39, \$40, \$41, \$42, \$43, \$44, \$45, \$46, \$47, \$48, \$49, \$50, \$51, \$52, \$53, \$54, \$55, \$56, \$57, \$58, \$59, \$60, \$61, \$62, \$63, \$64, \$65, \$66, \$67, \$68, \$69, \$70, \$71, \$72, \$73, \$74, \$21, \$22, \$23, \$24, \$25, \$26, \$27, \$28, \$29, \$210, \$211, \$212, \$213, \$214, \$215, \$216, \$217, \$218, \$219, \$220, \$41, \$42, \$43, \$44, \$45, \$46, \$47, \$48, \$49, \$410, \$411, \$412, \$413, \$414, \$415, \$416, \$417, \$418, \$419, \$420, \$P1, \$P2, \$P3, \$P4, \$P5, \$P6, \$P7, \$P8, \$P9, \$P10, \$P11, \$P12, \$P13, \$P14, \$P15, \$P16, \$P17, \$M68, \$M88, \$M71
FCC ID	2AFKR-S32

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Where f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

BLE:

P_t=1.036dBm=1.27mW

The value of the Maximum output power Pt is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation SAR=(1.27mW /5mm) .[$\sqrt{2.48}$ (GHz)]= 0.40<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

BR/EDR:

Pt=-1.315dBm=0.74mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR= $(0.74\text{mW} / 5\text{mm}) \cdot [\sqrt{2.48}(\text{GHz})] = 0.23 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.