RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	CS-200 Speakerphone
Model Name	CS-200
FCC ID	WRACS-200

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)] ·[√f(GHz)] ≤ 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

BR/EDR:

P_t= -0.325dBm=0.93mW

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=(0.93mW / 5mm).[√2.441GHz)]=0.29<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 1M:

P_t=0.268dBm=1.06mW

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=(1.06mW / 5mm).[√2.402GHz)]=0.33<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 2M:

P_t=0.157dBm=1.04mW

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=(1.04mW / 5mm).[√2.402GHz)]=0.32<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

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Attestation of Global Compliance(Shenzhen)Co., Ltd
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/