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FCC ID: XT5-BR20

Model: BR20 and EBH

BR20 Model Difference Statement and Single model SAR justification

The common items and differences between the model “BR20” and the model “EBH” are as follows:

Electrical:

Component	BR20	EBH
Main PCB	PCBA-0099	Same pcb and BOM including:
- Antenna	Antenova SR4W035	Same
- Wireless Module	FN-LINK 6223A-SRD	Same
Keyboard PCB	PCBA-0100	Same pcb and BOM
Front key PCB	PCBA-0102	Same pcb and BOM
Space Bar PCB	PCBA-0101	Same pcb and BOM
Braille cells	KGS 20 cellI Block	Same
Host kernel (including radio driver)	Humanware Linux version	Same
Application Software (not including radio drivers)	Humanware BR20	Humanware EBH
Audio Feedback module: SAME LOCATION	Speaker: Wabony MD1115N-RC778	Piezo Element: SOBERTON PT-1704

Mechanical:

Component	BR20	EBH
Top enclosure - Same material and mold	Gray	Black
Bottom enclosure - Same material and mold	Gray	Black
Label	Model: BR20 FCC ID: XT5-BR20	Model: EBH FCC ID: XT5-BR20

Single model SAR justification:

- The difference between the two models that could affect the RF radiation pattern is the replacement of the speaker for a piezo buzzer.
- The size of this piezo/speaker element is 30mm*15mm*10mm.
- The piezo/speaker element is located 150mm antenna.
- The SAR report excluded testing the top side at 45mm. The element is therefore out of the SAR influence zone.