

Justification of Exemption of Simultaneous SAR Evaluation

FCC ID: T7HCT8030

There are two transmitter modules in the device: Bluetooth & DECT6.0 (Figure 1). The Bluetooth module is plugged into the slot (Figure 2). DECT6.0 module is mounted.

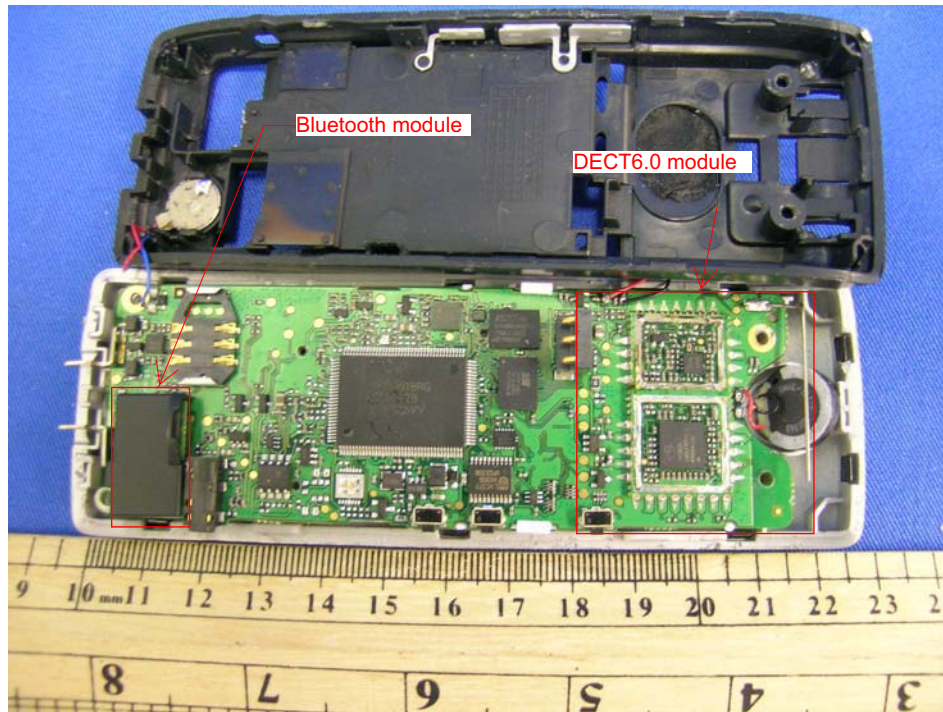


Figure 1 - Bluetooth module plugged into the slot

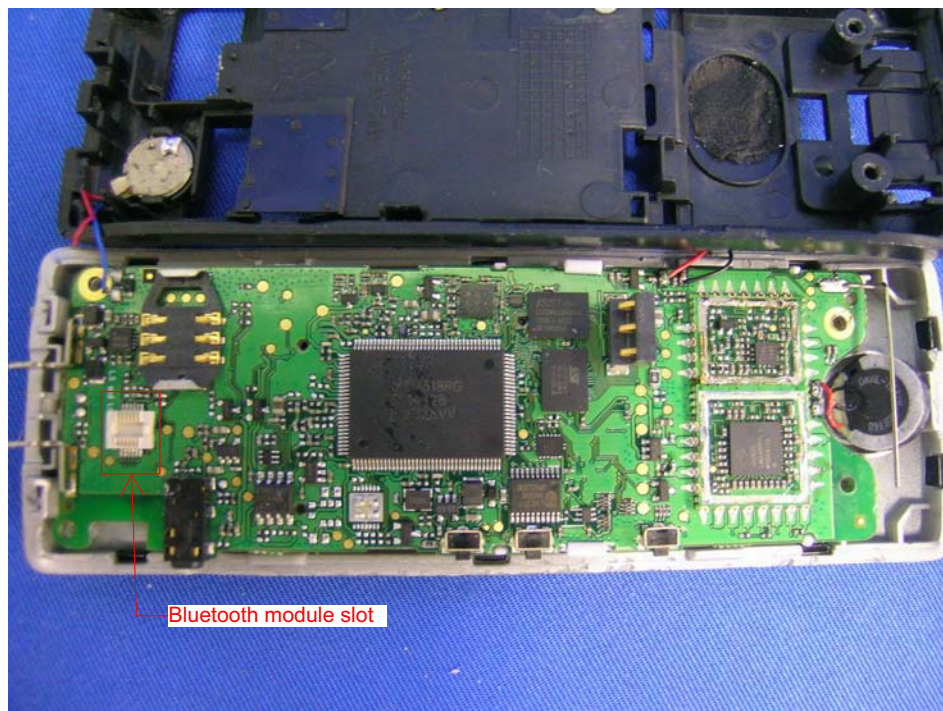


Figure 2

A. Closest Antennas Separation

The closest antennas separation between Bluetooth module & DECT6.0 module is 9.7 cm, which is greater than 5 cm (Figure 3).

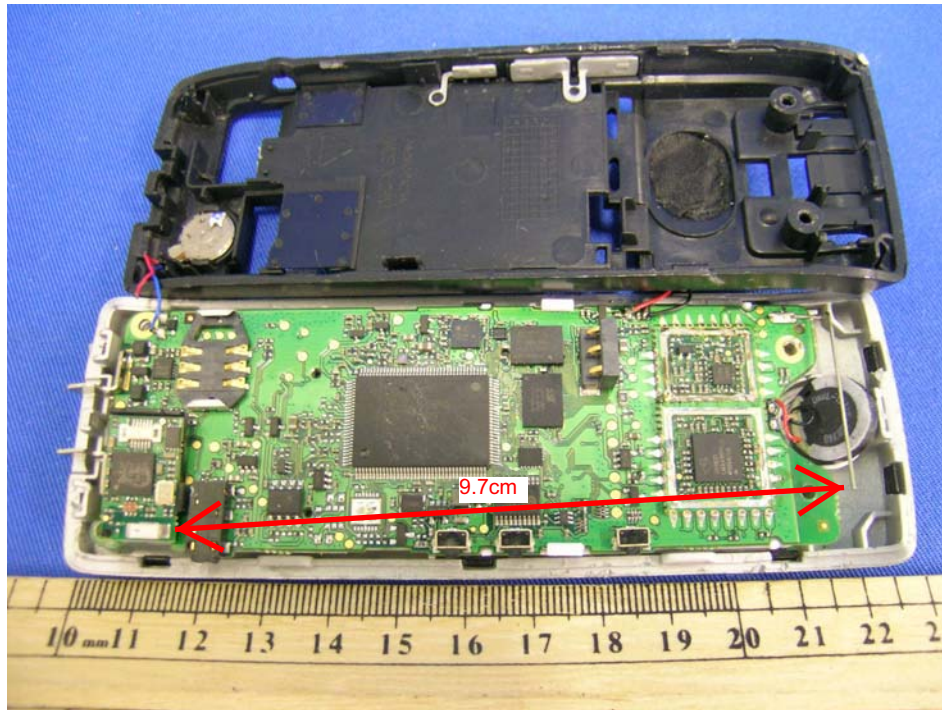


Figure 3 - Bluetooth module flipped for illustrating the antenna distance

B. SAR-to-antenna-separation ratio

Worst-case Head SAR for DECT6.0 transmitter is 0.073W/kg. Since Bluetooth transmitter operates per 15.247 could be exempted from routine SAR evaluation, the SAR-to-antenna-separation ratio is $0.073/9.7 = 0.008$, which is less than or equal to 0.3.

C. Conclusion

Simultaneous SAR evaluation is not required.