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Málaga, España

RF exposure information

Date: **June 29, 2016**

FCC ID: **ACJ-CA-170-CTPLHS**; IC: **216B-CA170CTPLHS**

1. Introduction:

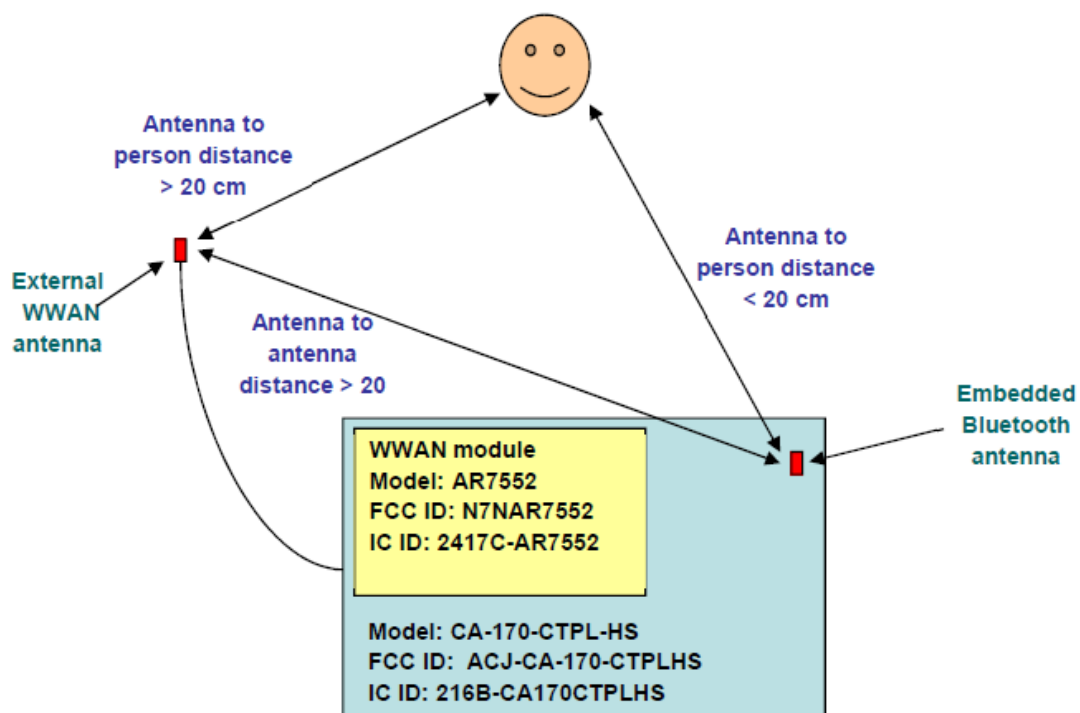
The device is designed to be used in portable exposure conditions.

This product integrates a Bluetooth transmitter operated in 2.4 GHz frequency band.

This product also integrates an AR7552 WWAN modem (FCC ID: N7NAR7552, IC: 2417C-AR7552). The AR7552 modem is granted with a modular approval for mobile applications. Integration has been done meeting the following conditions:

1. At least 20cm separation distance between the antenna and any person body is maintained at all times.
2. To comply with FCC/IC regulations limiting both maximum RF output power and human exposure to RF radiation, the maximum antenna gain including cable loss in a mobile only exposure condition does not exceed 5 dBi at 700 MHz, 850 MHz, 1700 MHz and 1900 MHz; and 7 dBi at 2500 MHz.
3. The AR7552 antenna is not co-located with any other antennas.

Product configuration is as follows:



2. Output power considerations:

Transmitter: 0.78 mW

3. Compliance criteria:

Bluetooth transmitter is not co-located with WWAN transmitter so that the RF exposure analysis can be done individually. WWAN RF compliance is assured at module level.

Bluetooth transmitter is deemed to comply with FCC § 2.1093 requirements and IC RSS-102 Issue 5 as the output power of the device meets the conditions specified in section 4.3.1 (SAR test exclusion) considerations of the document “KDB 447498 D01 General RF Exposure Guidance v06” and in section 2.5.1 (Exemption from Routine Evaluation Limits – SAR Evaluation) of RSS-102 Issue 5.

FCC: Appendix A - SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

2450 MHz SAR Test Exclusion Threshold (mW): 10 mW

IC: Table 1: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance

450 MHz SAR Test Exclusion Threshold (mW) : 4 mW

The output power of the device is lower than the FCC and IC SAR test exclusion Thresholds.

Sincerely,



Name: Miguel Angel Cobo
Position: Certification Engineer