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Maximum RF Exposure Evaluation

FCC ID: 2ATXW-BT200PRO

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

EUT Specification

Table with 2 columns: Specification Item and Details. Rows include Product Name (TV SOUNDBOX), Trade Mark (/), Model/Type reference (BT-200 Pro), Listed Model(s) (BT-200B Pro, BT-200G Pro, BT-200 Pro Plus, BT-200B Pro Plus, BT-200G Pro Plus), Frequency band (Operating) (BT/EDR, BLE, WLAN, Others), Device category (Portable, Mobile, Fixed, Others), Antenna diversity (Single antenna, Multiple antennas, Tx diversity, Rx diversity, Tx/Rx diversity), Antenna gain (Max) (-0.62dBi), and Evaluation applied (RF Exposure Evaluation, SAR Evaluation).

Limit

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0

Where

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

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

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

Measurement Result

Table with 8 columns: Band, Frequency (MHz), Antenna Gain (dBi), Maximum Power (dBm), Tune up tolerance (dBm), Max. Tune up Power (dBm), Calculation Value, Limit. Row 1: GFSK, 2478, -0.62, 4.77, 4 ± 1, 5, 0.9950, 3.000

0.9950 < 3, So the transmitter complies with the RF exposure requirements and the SAR is not required

Note

For a more detailed features description, please refer to the RF Test Report.

*****THE END*****