

RF Exposure Statement: 15061569 001

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Client: Amp'ed RF Technology Inc.
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Test item: Bluetooth Module

Identification: BT33, SPBT2632C2

FCC Requirement

According to FCC 2.1091, mobile equipment must comply with the following applicable limit for maximum permissible exposure(MPE) specified in FCC 1.1310:

Equipment Use	Frequency Range	Power Density [mW/cm ²]	Average Time [min]
General Population / Uncontrolled Exposure	1.5 – 100GHz	1	6

Measurement Result

The maximum measured transmitter power is the following:

Conducted Output Power P _{out} [mW]	Maximum Antenna Gain [dBi]	Power Density at 20cm [mW/cm ²]
0.731	2.1	0.000236

Note:

The power density S in mW/cm² is calculated according to the Friis formula: $S = (P_{out} \cdot G) / (4\pi \cdot D^2)$, where
 S = power density in mW/cm²

P_{out} = antenna conducted output power in mW

G = antenna gain in linear scale (here: 2.1dBi = 1.62 linear)

D = distance between observation point and radiating structure in cm (here: 20cm)

Conclusion

The device complies with the FCC RF exposure requirements since the maximum transmitter power density is below the FCC limit RF exposure evaluation exemption threshold.

Refer to test report 15061569 001 for more details.

15061569 001 FCC ID: X3ZBTMOD5