

RF Exposure Requirements

Product Description: carbon Baytrail-M

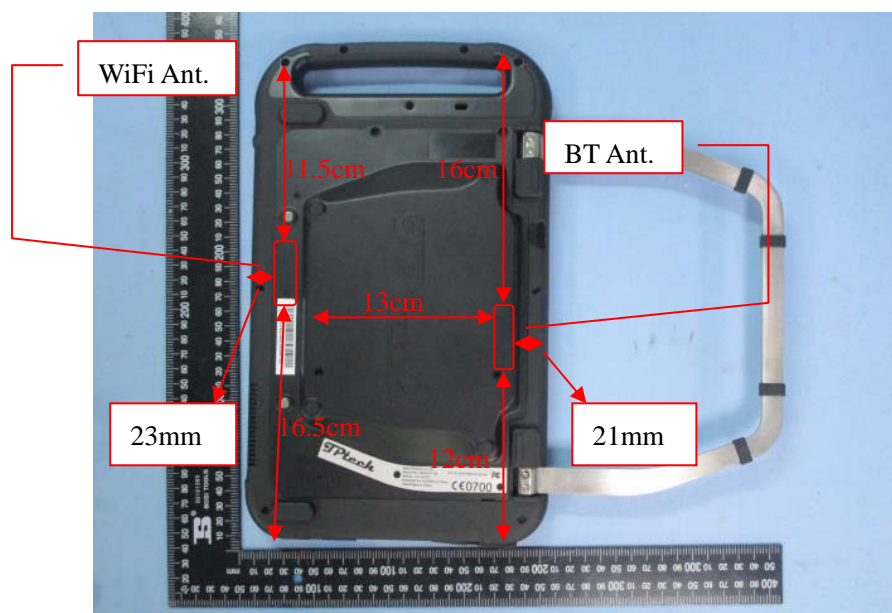
Model No.: MGS101-03

FCC ID: 2ADZ7MGS101033160

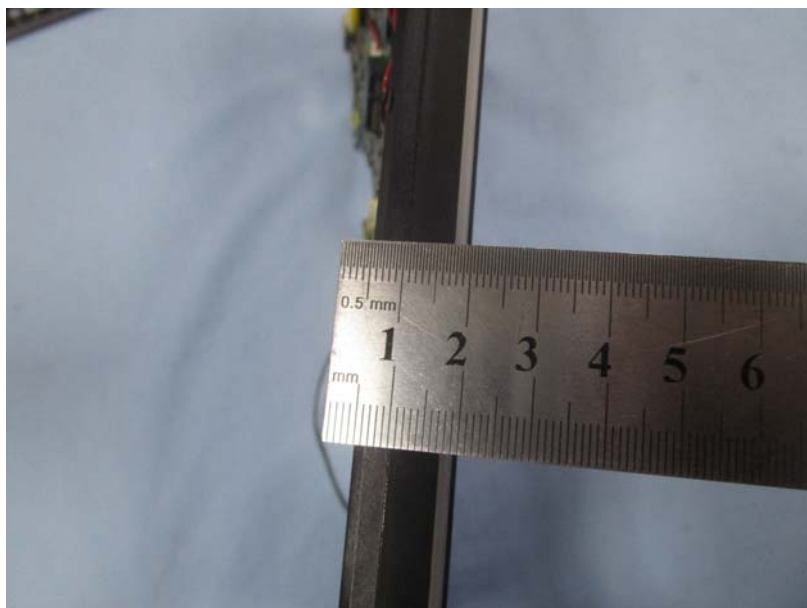
According to the KDB-447498 D01 V05r02, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Since the back shell of EUT is more than 20mm thickness, antennas to edge are also more than 20mm, so the minimum distance between the radiator & human is assessed as 20mm.

(Antenna Position)



(Thick of shell)



Bluetooth

Tx frequency range: 2402~2480MHz

Device category: Portable device

Maximum Conducted Output Power: 6.933dBm

Maximum Conducted Output Power: 4.935mW

Minimum Distance: 20mm

Limit: 38mW

Source-based time-averaged Conducted output power is $4.935\text{mW} < 38\text{ mW}$

WIFI 2.4G

Tx frequency range: 2412~2462MHz

Device category: Portable device

Maximum Conducted Output Power: 13.18dBm

Maximum Conducted Output Power: 20.80mW

Minimum Distance: 20mm

Limit: 38mW

Source-based time-averaged Conducted output power is $20.80\text{mW} < 38\text{ mW}$

WIFI 5.2G

Tx frequency range: 5150~5250MHz

Device category: Portable device

Maximum Conducted Output Power: 11.67dBm

Maximum Conducted Output Power: 14.69mW

Minimum Distance: 20mm

Limit: 26mW

Source-based time-averaged Conducted output power is $14.69\text{ mW} < 26\text{ mW}$

WIFI 5.8G

Tx frequency range: 5725~5850MHz

Device category: Portable device

Maximum Conducted Output Power: 11.55dBm

Maximum Conducted Output Power: 14.29mW

Minimum Distance: 20mm

Limit: 25mW

Source-based time-averaged Conducted output power is $14.29\text{ mW} < 25\text{ mW}$

So the transmitter complies with the RF exposure requirements and the SAR is not required.