



ELECTRONICS

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Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Gentlemen:

We, Samsung Electronics Co., Ltd. hereby declare on SWD-M100 as follows;

The transmit characteristics of SWD-M100 in body-worn conditions are:

When the user does not engage the device for 9 seconds, WiMax transmit data traffic will not occur like it does in typical operations when engaged by the user. Similarly, when the user does not engage the device for 8 seconds, WiFi transmit data traffic will not occur like it does in typical operations when engaged by the user:

1. WiMax SWD-M100 idle state migration:

- In the idle state, the device does not emit any data traffic transmit signal outward per 802.16e §6.3.24. This feature is a permanent feature of this device which is configured at the factory, and not available to the end-user to modify.
- Every 5 sec. the device receives paging messages from the base station, but only when the device will handover to a different base station tower and the location update conditions are met, the device can emit a transient transmit burst to update its location for a maximum duration of 80 ms with a maximum output power level of up to 23 dBm.
- This location updating process is accorded with paging interval time (5 seconds) of base station for a maximum duration of 80 ms. Location updating ceases right after receiving location update success message from base station. The number of attempts cannot exceed over 10 times. After 10 times of failure of location updating, then WiMax migrates into deep sleep

2. WiFi SWD-M100 idle state migration:

- In the idle state, the device does not emit any data traffic transmit signal outward per IEEE 802.11. This feature is a permanent feature of this device which is configured at the factory, and not available to the end-user to modify.
- When AP(Access Point) needs to check the client state normally within every 30 minutes after WiFi device's idle mode migration, the AP sends RTS or NULL data to WiFi device, but the device does not emit any transmit signal outward except for ACK or CTS data accordingly for a maximum duration of 10 ms, whenever WiFi device get the null data or RTS frame, with a maximum output power level of up to 16 dBm

3. In Body-worn Transmission Conditions:

- Users cannot browse the internet nor do any manipulation that brings WiMax and WiFi data traffic.
- So, the device remains in idle state where there is no transmit signal outward.

Should you have any questions or comments concerning the above,
Please contact the undersigned.

Sincerely Yours,

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