



# Attestation

Manufacturer/Application: Huawei Technologies Co., Ltd.

FCC ID: QISS10-102U

I guarantee the following answer is correct.

1. Due to the high simultaneous transmission SAR value at 1.56 w/kg (less than 0.11 dB from the 1.6 w/kg limit) and up to 7.53 dB (> 82%) of TX power reduction triggered by the proximity sensor for conformance, it is important that the sensor I2C interface is scanned frequently and that the proximity detect event is not overridden by other events (such as low RSSI, low battery, high packet loss rate, network power-up command, etc.) Furthermore, manufacturing tolerance for the capacitor sensor may result in less than 10 or 12 mm sensor triggering distance thus exposing users to greater RF exposure. We would like the applicant to address these concerns and attest to the statements.

Sensor's function

**Reply:**

1.The sensor scanning frequency: I2C clock frequency is 400kHz, according to the current configuration, the CDC updated 3.072mS, AP will be real-time response, the processing cycle is microsecond level, can fully responsive human near.

2. When SAR Sensor reaches the trigger threshold, it will immediately send an interrupt signal to the AP with the highest priority, will not be suspended for other reasons

3. Manufacturing tolerances, temperature drift and other factors had been taken into account in the design of the SAR Sensor. The detection distance of back 12mm, top 10mm is determined by the threshold, after several tests the error is less than 1mm. And the claimed distance is a conservative distance to ensure that when the distance is less 1mm than the claimed distance and the SAR Sensor is no trigger, the SAR values will not be exceeded

2. According to the applicant's product specification available on the Internet (attached), the MediaPad 10 FHD-102U also supports 2100 MHz UMTS operations. This is not mentioned in the operational description nor is the EF grant note code used on Form 731. If 2100 MHz transmission is supported, in addition to modifying the two above document, we would like to request an attestation that the applicant acknowledged that 2100 MHz band is not authorized without a C2PC or new FCC ID application.

**Reply:**

MediaPad 10 FHD S10-102u supports UMTS Band I (UMTS 2100MHz), but we will not authorized without a C2PC or new FCC ID application. This device contains functions/Band that are not operational in U.S. Territories. This filing is only applicable for US operations.



3. Also per the applicant's product specification, the maximum output power of the Wi-Fi transmitter varies according to the country code. It is important to note that FCC does not permit power, frequency, or operation mode selection based on country code. This is to prevent users from intentionally or unintentionally selecting a compatible country other than the US while operating in the US or its territories. Therefore, we would like the applicant to clarify whether there is country code selection on the device. If so, list all features, parameters and performance reported to the Commission that the country code selection would change in any way.

**Reply:**

Users can't select country code. Country code had been already setting right country code in the software when we sell S10-102u to the US or its territories, there is no setting function in the EUT and also no debug interface to modify it, so users can't select country code intentionally or unintentionally.

4. In the Main Operational Description, WLAN Operational Description and the Tune-up Procedure, the maximum power of the WLAN transmitters in various modes are listed to be less than 30 dBm. Note that 30 dBm is the rule maximum. For Part 15 transmitters, the EUT's maximum transmit power is capped by the measured maximum in certification tests, not the 30 dBm rule maximum. The applicant cannot use 30 dBm as the upper limit in manufacturing testing. We would like the applicant to acknowledge that this is understood and that authorized upper limits are implemented in production testing.

**Reply:**

Output power given in the OD will implement in production testing.

WIFI

average conduct power:

802.11n(HT20): 13 dBm max: <14dBm

802.11g: 13 dBm max: <14dBm

802.11b: 14.5 dBm max: <15.5Bm

peak conduct power:

11b:  $\leq 19.5\text{dBm}$

11g:  $\leq 26\text{dBm}$

11n:  $\leq 26\text{dBm}$

8. According to the product specification, over-the-air (OTA) remote software upgrade is allowed. Please clarify whether the software upgrade could result in either improvement or degradation in performance reported to the Commission during certification. If not, how is this accomplished? How does the applicant control the field software upgrade?

**Reply:**



Over-the-air (OTA) remote software upgrade will not changes any of the RF parameters (output power, SAR, etc) reported to FCC , so it will not result in either improvement or degradation in performance reported to the Commission。 After we get the FCC certificate and S10-102u sells to users , Over-the-air (OTA) remote software upgrade can be used, we put the upgrade software on our company's server, when users connect to the internet, EUT will remind users to upgrade, users can choose upgrade or not. We ensure that we will not change any of the RF parameters (output power, SAR, etc) reported to FCC in the upgrade software , so it will not result in either improvement or degradation in performance reported to the Commission.

Sincerely,

For and Behalf of:  
Huawei Technologies Co., Ltd.

A handwritten signature in black ink that reads "Zhang Xinghai".

Zhang Xinghai  
EMC Laboratory Manager