



## Request for Additional Information for EMC Certification

<b>Company:</b>	TCT Mobile (SGS)	<b>Composite Device:</b>	<b>Yes:</b> <input type="checkbox"/>	<b>No:</b> <input checked="" type="checkbox"/>
<b>MT#:</b>	81013	<b>FCC Direct Filing:</b>	<b>Yes:</b> <input type="checkbox"/>	<b>No:</b> <input checked="" type="checkbox"/>
		<b>Permit But Ask:</b>	<b>Yes:</b> <input type="checkbox"/>	<b>No:</b> <input checked="" type="checkbox"/>
<b>FCC ID:</b>	RAD076	<b>FCC Rule Part:</b>	22/24	
<b>UPN:</b>	N/A	<b>RSS Standard:</b>		
<b>FRN:</b>	0009221672	<b>Class II PC/Reassessment:</b>	<b>Yes:</b> <input type="checkbox"/>	<b>No:</b> <input checked="" type="checkbox"/>

July 8, 2008

Dear Anya,

Thank you for your application. In order for us to process your approval, the following must be addressed. Please provide a response in a timely manner to avoid delays or dismissals.

### Technical Review:

1. This handset has a USB Port, and if it can connect to a computer is classified as a Computer Peripheral by the FCC. Computer Peripherals can be approved under the FCC DoC approval procedure (by an approved lab) or under Certification with an additional associated application. The FCC logo for DoC approval is not on the label and there has not been an associated Certification application for Equipment Class JBP (Class B Computer Peripheral). The 15-B report submitted in this application is not part of this Handset application (Equipment Class PCE) and is therefore not being reviewed.
  
2. Page 10 of the test report mentions GPRS mode of operation AND A Data Cable, but the RF test data and SAR test data do not mention GPRS capability. Does this device operate in GPRS mode and if yes, what GPRS Class and was this mode tested? Does this device use a data cable?
  
3. The Confidentiality Request exhibit lists Bill of materials/Parts List and PCB Layout exhibits, but these exhibits have not been submitted. Please note that for this device these exhibits are not required, however if these are listed on the Confidentiality request letter, the application must include these exhibits. Please either correct your Confidentiality request Letter exhibit to remove these 2 exhibits from the list OR provide these exhibits for inclusion into this application.
  
4. Please confirm the measurement instrumentation (Spectrum Analyzer) settings for the ERP power measurements on page 17 for below 1GHz. According to the remarks, the RBW was set to 100kHz, which is smaller than the emission bandwidth of approximately 250kHz.
  
5. Please note that the batteries used for compliance testing have a rating plate that specifies 670mAh capacity, but the manual states 650mAh. The Operational Description indicates this device will operate in standby for 250 hours using a 750mAh battery. Please confirm that all batteries to be used with this device have been tested for SAR compliance.



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6. The Conducted power in the SAR report is as much as 1.1dB higher than the conducted power in the RF report. Please explain this large difference in the conducted RF power measurements.

7. It appears as though the antenna is located near the mouth position when the handset is positioned against the SAM Phantom. This is difficult to determine due to the photos submitted not clearly showing the position of the antenna in reference to the outside of the enclosure. If this is the situation, then there are additional SAR tests that may be necessary since the SAR probe positioning is not correct. Please confirm the position of the antenna with respect to the Ear Reference Point (ERP) and contact me if you need further testing guidance reference material from the FCC.

If you have any questions or concerns, please contact us.

Thank you!

Jennifer Sanchez  
TCB Administrator  
MET Laboratories, Inc.  
[tcbinfo@metlabs.com](mailto:tcbinfo@metlabs.com)  
[www.metlabs.com](http://www.metlabs.com)

Admin Review By: Jennifer Sanchez  
Technical Review By: Chris Harvey

*Please note that partial responses increase processing time and should not be submitted. The items indicated above must be provided before processing can continue on the above referenced application. Failure to provide the requested information in a timely manner may result in application dismissal.*

## Jenn Warnell

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**From:** Xu, Anya (Shanghai) [Anya.Xu@sgs.com]  
**Sent:** Monday, August 04, 2008 2:12 AM  
**To:** Jenn Warnell; Jennifer Sanchez  
**Cc:** Chris Harvey; Angela Kekovski  
**Subject:** RE: 81013 SGS - Request for Additional Information for TCT Mobile, FCC ID: RAD076  
**Attachments:** 5\_Operational descriptionOT-S120A,S210A,S211A.DOC; 08\_OT-S120,S210,S211 PCB layout drawing.rar; 20\_U81 US family e-BOM.RAR; SGS-SAR-GSM10933800-2-OT-S120A 0725.pdf; Test report (OT-S120A).pdf; U8-UM-MAP-USA-23-07-08.pdf

Dear Jennifer and Jenn,

Good morning.

Sorry for delaying and thanks for your information about this case.

Please find the attached updated documents of RAD076

The specific comments refer to as follow up:

1): OT-S120A has USB port, it just for USB charging and uses earphone not mass storage.

2 and 4): please refer to the document (Test report (OT-S120A).pdf)

3): please refer to documents (20\_U81 US family e-BOM.rar and 08\_OT-S120, S210,S211 PCB layout drawing.rar) .

5): please refer to the document (U8-UM-MAP-USA-23-07-08.pdf and 5\_Operational descriptionOT-S120A,S210A,S211A.DOC)

6 and 7): please refer to the SAR report(SGS-SAR-GSM10933800-2-OT-S120A 0725.pdf)

Please kindly review and your comments are welcomed.

Best regards!

Anya

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**From:** Jennifer Sanchez [mailto:jsanchez@metlabs.com]  
**Sent:** 2008年7月9日 4:34  
**To:** Cai, Cai (Shanghai)  
**Cc:** Xu, Anya (Shanghai); Chris Harvey; Angela Kekovski; Jenn Warnell; Jennifer Sanchez  
**Subject:** 81013 SGS - Request for Additional Information for TCT Mobile, FCC ID: RAD076  
**Importance:** High

Hi Cai Cai,

8/4/2008