



Request for Additional Information for EMC Certification

Company:	ZTE Corporation	Composite Device:	Yes: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>
MT#:	25197	FCC Direct Filing:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
		Permit But Ask:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
FCC ID:	Q78-ZTEF188	FCC Rule Part:	22/24, 15C, and 15B	
UPN:	N/A	RSS Standard:	N/A	
FRN:	0009043175	Class II PC/Reassessment:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>

Dear Cai Cai,

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:

SAR:

1. BT to GSM antenna separation information was not provided. Since the Maximum SAR for GSM is 1.26 W/kg and P>Pref, please provide the separation distance between the BT and GSM antenna. If the separation distance is < 2.5 cm please provide supporting data including standalone BT SAR to support evaluation according to KDB 648474 D01 SAR Handsets Multi Xmitter and Ant v01r03. An excerpt follows:

When simultaneous transmission applies, power thresholds (PRef) derived from multiples of $\frac{1}{2} * 60 / f(\text{GHz})$ are used to reduce stand-alone SAR requirements for unlicensed devices incorporated in cell phones. Values of PRef for applicable frequencies are shown in Table 1.8 PRef is defined as the maximum conducted power available at the antenna according to source-based time-averaging requirements of Section 2.1093(d)(5). When the output of an unlicensed transmitter is \leq PRef and its antenna(s) is \geq 2.5 cm from other antennas, stand-alone SAR evaluation is not required for that unlicensed transmitter. When the output of an unlicensed transmitter is \leq 2*PRef and its antenna(s) is \geq 5.0 cm from other antennas, stand-alone SAR evaluation is also not required for that unlicensed transmitter. Antenna separation is determined by the closest distance between the antennas. To facilitate streamlining simultaneous transmission test requirements for certain configurations with small antenna separations, it may be necessary to conduct stand-alone SAR evaluation at \leq 2*PRef (equivalent to $60 / f(\text{GHz})$ mW). However, stand-alone SAR is not required for an unlicensed transmitter with output power \leq PRef mW when either the output power or 1-g SAR for each of the other antennas within 2.5 cm of that unlicensed transmitting antenna is \leq PRef mW or < 1.2 W/kg.

2. SAR Report does not include the following.

Tissue liquid dielectric properties

-Composition, ingredients, and amounts for tissue liquid listed

Coarse-scan to find SAR peaks

-descriptions of coarse area scan procedures, including grid size, area shape and size

-descriptions of interpolation procedures used to locate peak SARs at a finer spatial resolution



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One-gram averaged SAR

- descriptions of high-resolution cube volume or "zoom" scan procedures used for local scan; list measurement and interpolation resolutions
- descriptions of extrapolation procedures used to estimate SAR values adjacent to phantom surface (unreachable due to probe case and boundary effects)
- descriptions of within-cube interpolation procedures to get 1 mm or 2 mm SAR grid
- description of averaging (integration) procedures to get 1-g SAR from final interpolated grid

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

Thank you!

Jenn Warnell
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Admin Review By: Jenn Warnell
Technical Review By: Tim Dwyer

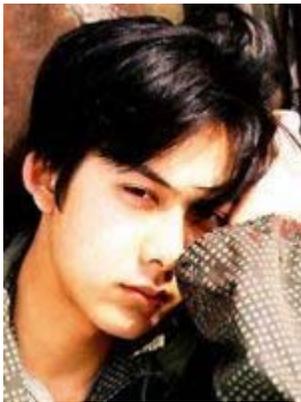
Please note that partial responses increase processing time and should not be submitted. The items indicated above must be provided before processing can continue on the above referenced application. Failure to provide the requested information in a timely manner may result in application dismissal.

Jenn Warnell

From: Cai, Cai (Shanghai) [Cai.Cai@sgs.com]
Sent: Sunday, September 07, 2008 11:05 PM
To: Jenn Warnell
Cc: Jennifer Sanchez
Subject: RE: 81065 SGS - 2nd Request for information
Attachments: SGS-SAR-FCC-GSM11088311_F188.pdf

Dear all
The FCC SAR report of ZTE F188 has been updated. FYI
Any questions pls let me know.
Thanks.

Best Regards
Cai Cai



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From: Jenn Warnell [mailto:jwarnell@metlabs.com]
Sent: 2008年8月28日 23:07
To: Cai, Cai (Shanghai)
Cc: Jenn Warnell; Jennifer Sanchez
Subject: FW: 81065 SGS - 2nd Request for information
Importance: High

Hi Cai Cai,

I was wondering if you had a chance to review this information. Please let me know if you need more time.

9/8/2008