

Jennifer Sanchez

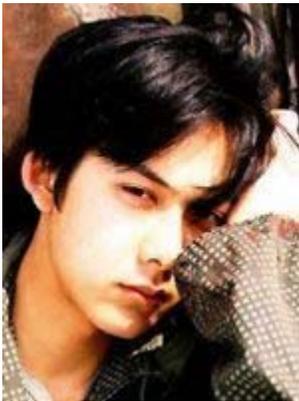
From: Cai, Cai (Shanghai) [Cai.Cai@sgs.com]
Sent: Thursday, December 25, 2008 7:35 PM
To: Jennifer Sanchez; Jenn Warnell
Subject: FW: Needed info--MF626 FCC report updated
Attachments: Appendix of MF626.pdf; SGS-SAR-FCC-GSM11088316-MF626 1224 s.pdf

Dear all

Please find the below reply from Engineer to the FCC's comments.
Report is updated as attached. FYI
Please help upload the reply and report to the FCC website ASAP. Thanks.

Happy Holidays!

Best Regards
Cai Cai



Wireless Telecommunications Lab
SGS Shanghai Branch
Tel + 86 21-61072725
Mobile + 86 13774441076
Fax + 86 21-54500149
Email cai.cai@sgs.com

From: Ni, Will (Shanghai)
Sent: Wednesday, December 24, 2008 4:39
To: Xue, Peter (Shanghai); Cai, Cai (Shanghai); Yuan, Zhiang (Shanghai); Yan, Allan (Shanghai)
Cc: Wang, Ken-GH (Shanghai)
Subject: RE: Needed info

Please submit the response and SAR report to in EAS:

Dear Sir,

Thank your for your kindly comments and all these details will be taken care in our projects hereafter.

12/29/2008

Below are my explanations about MPR implementation within this Device and revised 3G power test results.

FCC ID: Q78-ZTEMF626

This is a HSDPA data device operating only under 3GPP Release5.

According to Note 3 in the following table, MPR is only applicable for HSDPA device operating under 3GPP Release6 or later.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(from 3GPP 34.121-1-840 Annex)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{HS} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. [This is applicable for only UEs that support HSDPA in release 6 and later releases.](#)

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

The USB cable implemented to the USB dongle is with the length about 25cm (10 inches) and both the maximum output power with USB cable and directly to a laptop are verified and the discrepancies are insignificant.

Maximum output power table for subtests 1-4 are tabulated as follows:

Mode		HSDPA (Note1)				WCDMA
Sub-tests		1	2	3	4	
Band	Channel	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power(dBm)
850	4132	23.21	22.90	22.33	21.53	23.23
	4182	23.02	22.72	22.10	21.41	23.06
	4233	23.39	23.08	22.51	21.59	23.32
1900	12	21.99	21.68	20.31	20.30	22.03
	9400	21.43	21.05	19.92	19.50	21.45
	9538	21.36	20.77	20.20	19.85	21.43
β_c		2	12	15	15	

β_d	15	15	8	4
$\Delta_{ACK}, \Delta_{NACK}, \Delta_{CQI}$	8	8	8	8
CM (dB)	0.0	1.0	1.5	1.5
MPR (dB) (Note2)	0.0	0.0	0.5	0.5

Note1: This is a category 6 HSDPA data device operating under 3GPP Release5.

Note2: This is applicable for only UEs that support HSDPA in release 6 and later releases.

From: oetech@fccsun27w.fcc.gov [mailto:oetech@fccsun27w.fcc.gov]

Sent: 2008-12-20 0:35

To: Cai, Cai (Shanghai)

Subject: Needed info



Office of Engineering and Technology

To: Cai Cai, SGS-CSTC Standards Technical Services Co., Ltd.
cai.cai@sgs.com

From: Samuel Uganzenwoko
Samuel.Uganzenwoko@fcc.gov

Re: FCC ID: Q78-ZTEMF626

Applicant: ZTE Corporation

Correspondence Reference Number: 62155

Form 731 Confirmation Number: TC304608

Date of Original E-mail: 12/19/2008

USB dongle transmitters intended for use under 447498 2) a) iii) laptop computer platform may use a laptop computer having 0.5 cm or less spacing for SAR test. If a specific laptop would not provide 0.5 cm for all applicable device surfaces, a cable between dongle and host may be used to achieve other required typical horizontal and vertical host-receptacle configurations; cable length must be such as to ensure no voltage drop or power loss to represent maximum output from dongle as it would be for the direct-connect configuration. Note that different from integral-antenna transmitters for example, USB dongle transmitters have only the connector / plug enclosed by the host, while circuit-board and antenna portions are outside of the host. Note also that use of a cable in testing is a separate topic for whether cable is furnished with or available for end use as an accessory FCC 3G SAR procedures are intended for devices which implement MPR, and for Which depending upon details of implementation within a device and correct

Device setup then power reductions of up to 2 dB are expected in HSUPA subtests 2-4; please explain hardware/firmware details of MPR implementation within this Device, and/or revise HSPA power test results (and related exhibits) where Appropriate using valid device setup

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal pursuant to Section 2.917 (c).

DO NOT Reply to this email by using the reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, E-Filing, OET TCB/Accreditor Electronic Filing, TCB Login, Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the email address listed below the name of the sender.

Information in this email and any attachments is confidential and intended solely for the use of the individual(s) to whom it is addressed or otherwise directed. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company.

Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by this email.

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm