

Jenn Warnell

From: Cai, Cai (Shanghai) [Cai.Cai@sgs.com]
Sent: Friday, July 30, 2010 1:27 AM
To: Jenn Warnell
Cc: Jennifer Sanchez
Subject: FW: FCC Certification for Lenovo Mobile Communication Technology LTD.; FCC ID: YCNS62 (MT# 29298)
Importance: High
Attachments: Measurement Uncertainty Evaluation Report-SAR.pdf

Hi Jenn
Pls find the below reply from our SAR engineer, FYI
Pls send the reply to FCC ASAP. Thanks.

Best Regards
Cai Cai

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From: Lee, David-JC (Shanghai)
Sent: 2010年7月30日 13:23
To: Cai, Cai (Shanghai)
Subject: RE: FCC Certification for Lenovo Mobile Communication Technology LTD.; FCC ID: YCNS62 (MT# 29298)

Hi
For the first question you can see the SAR report at the page of 10.

15. Test Equipment Information

15.1 SPEAG DASY4

Test Platform	SPEAG DASY4 Professional		
Location	SGS SH Lab #8		
Manufacture	SPEAG		
Description	SAR Test System (Frequency range 300MHz-3G 835, 900, 1800, 1900, 2000, 2450 frequency band HAC Extension)		
Software Reference	DASY4: V4.7 Build 80 SEMCAD: V1.8 Build 186		
Hardware Reference			
Equipment	Model	Serial Number	Calibr
Robot	RX90L	F03/5V32A1/A01	n/a
Phantom	SAM 12	TP-1283	n/a
DAE	DAE3	569	2009-
E-Field Probe	ES3DV3	3088	2009-
Validation Kits	D835V2	4d070	2008-
Validation Kits	D1900V2	5d028	2009-
Agilent Network Analyzer	E5071B	MY42100549	2009-
RF Bi-Directional Coupler	ZABDC20-252H	n/a	2010-
Agilent Signal Generator	E4438C	14438CATO-19719	2009-

For the second question you can get the probe calibration report in the SAR report (page79~page89). If you want more details about the uncertainty evaluation, here is our uncertainty evaluation report in the attached file.

a	b1	c	d	e = f(d,k)	g	i = cxg/e	k
Uncertainty Component	Section in P1528	Tol (%)	Prob . Dist.	Div.	Ci (1g)	1g ui (%)	Vi (Veff)
Probe calibration	E.2.1	6.3	N	1	1	6.3	∞
Axial isotropy	E.2.2	0.5	R	$\sqrt{3}$	$(1-c_p)^{1/2}$	0.20	∞
hemispherical isotropy	E.2.2	2.6	R	$\sqrt{3}$	$\sqrt{c_p}$	1.06	∞
Boundary effect	E.2.3	0.8	R	$\sqrt{3}$	1	0.46	∞
Linearity	E.2.4	0.6	R	$\sqrt{3}$	1	0.35	∞
System detection limit	E.2.5	0.25	R	$\sqrt{3}$	1	0.15	∞
Readout electronics	E.2.6	0.3	N	1	1	0.3	∞
Response time	E.2.7	0	R	$\sqrt{3}$	1	0	∞
Integration time	E.2.8	2.6	R	$\sqrt{3}$	1	1.5	∞
RF ambient Condition -Noise	E.6.1	3	R	$\sqrt{3}$	1	1.73	∞
RF ambient Condition - reflections	E.6.1	3	R	$\sqrt{3}$	1	1.73	∞
Probe positioning- mechanical tolerance	E.6.2	1.5	R	$\sqrt{3}$	1	0.87	∞
Probe positioning- with respect to phantom	E.6.3	2.9	R	$\sqrt{3}$	1	1.67	∞
Max. SAR evaluation	E.5.2	1	R	$\sqrt{3}$	1	0.58	∞

From: Cai, Cai (Shanghai)
Sent: Friday, July 30, 2010 8:49 AM
To: Xue, Peter (Shanghai); Wang, Willam (Shanghai); Lee, David-JC (Shanghai); Gong, Tina (Shanghai)
Subject: FW: FCC Certification for Lenovo Mobile Communication Technology LTD.; FCC ID: YCNS62 (MT# 29298)

Dear all
 FYI

Best Regards
 Cai Cai

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From: Jenn Warnell [mailto:jwarnell@metlabs.com]
Sent: 2010年7月29日 23:13
To: Cai, Cai (Shanghai)
Cc: Jenn Warnell; Jennifer Sanchez
Subject: FCC Certification for Lenovo Mobile Communication Technology LTD.; FCC ID: YCNS62 (MT# 29298)

Hello Cai Cai,

The FCC has issued an inquiry regarding Lenovo Mobile Communication Technology, FCC ID: YCNS62.

Please see below. The items indicated 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).

1. From the probe certificate in page 95, review the dipole information which appears to be outdated (more than one year) and correct according to Procedures 2. Provide probe calibration detail description and the uncertainty measurement table used.

Jenn Warnell
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