

ANTENNA TEST REPORT

FOR

Product Name: Freedom Pro Keyboard

Brand Name: N/A

Model Name: FDMK-BT

Report No.: ER/2009/B0006-02

Issue Date: Nov. 12, 2009

Prepared for:
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Test By:

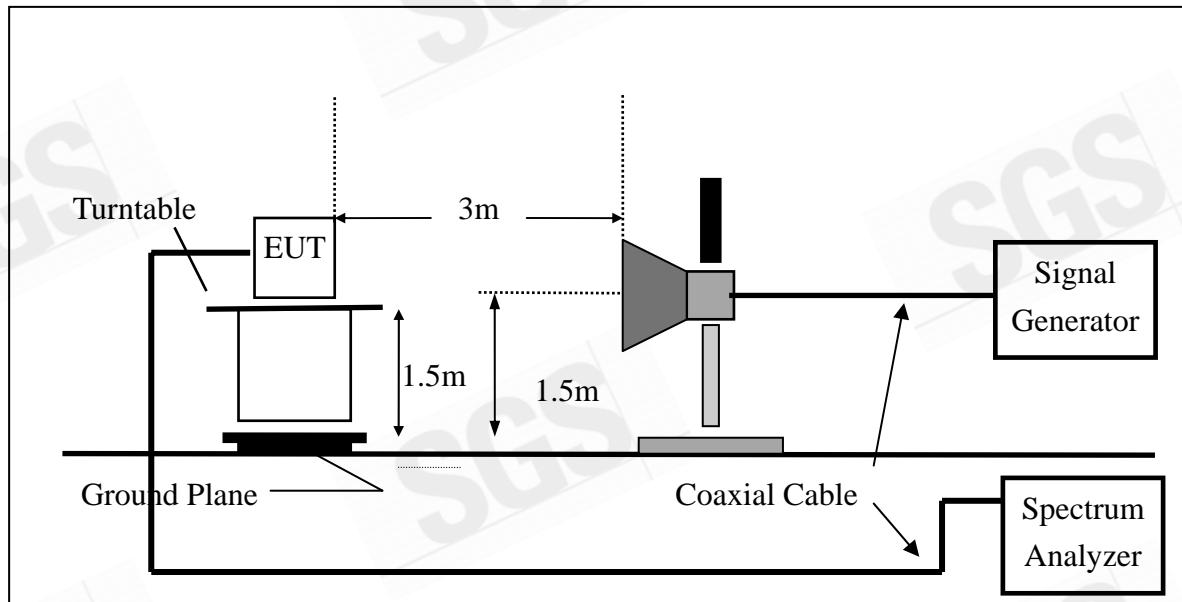
Date:

Nov. 12, 2009

Jazz Huang / Engineer

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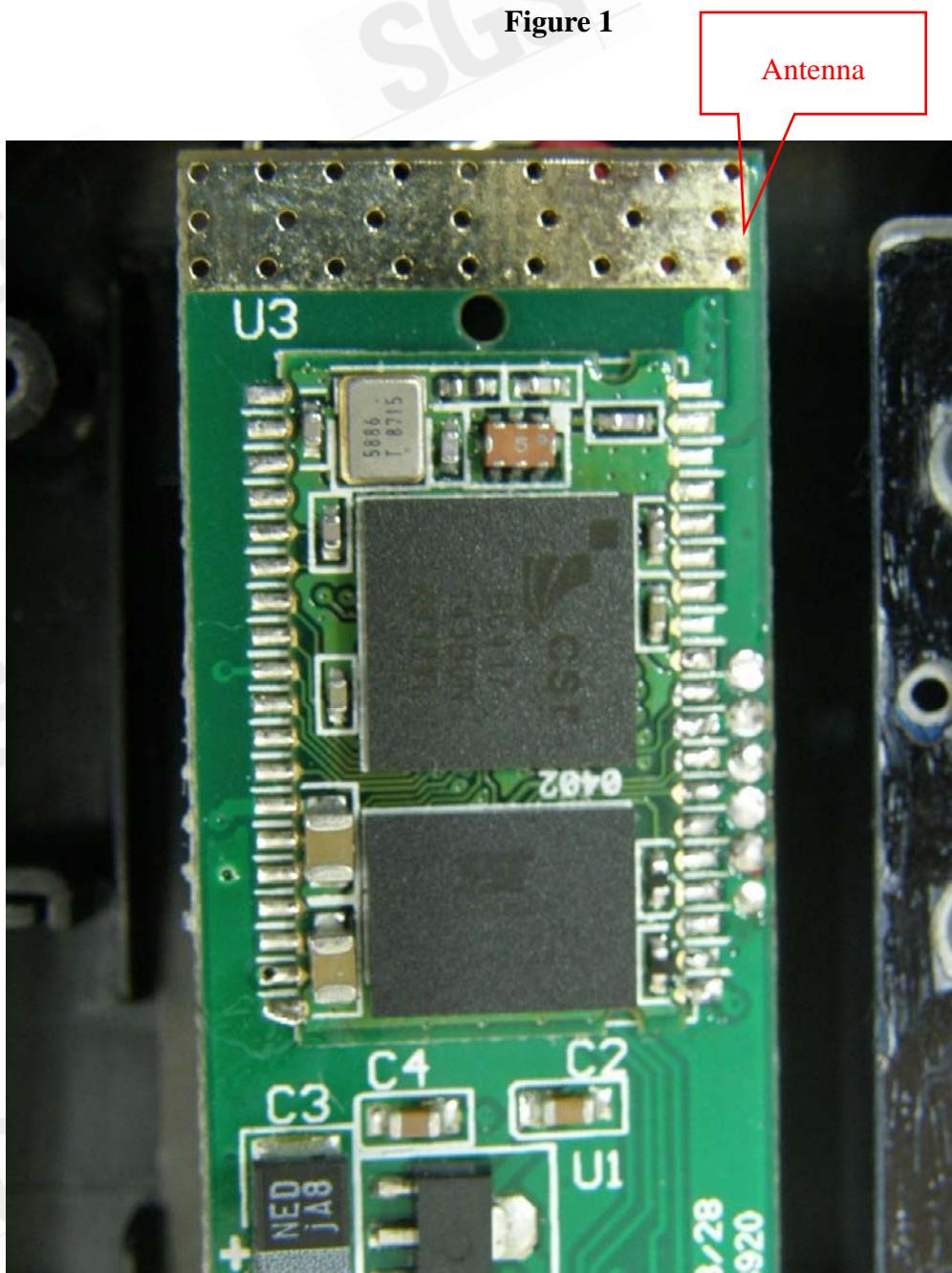
1. Test SET-UP (Block Diagram of Configuration)



Measurement Equipment Used:

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.	Cal. Lab.	Note
Horn antenna	Schwarzbeck	BBHA 9120D	309	05/09/2008	05/10/2010	ETC	Calibration based on the article 24-2-4-2-Ha of the radio law
Horn antenna	Schwarzbeck	BBHA 9120D	673	05/09/2008	05/08/2010	Schwarzbeck	
Signal Generator	R&S	SMR40	100210	01/21/2009	01/21/2010	ETC	24-2-4-2-Ha of the radio law
Spectrum Analyzer	Agilent	E4407B	MY41444896	12/07/2007	12/06/2009	Agilent	
Turn Table	HD	DT420	N/A	N.C.R	N.C.R	N/A	
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R	N/A	
Controller	Chance Most	886	N/A	N.C.R	N.C.R	N/A	
844 chamber	Chance Most	Fully chamber	S0009174	N.C.R	N.C.R	N/A	

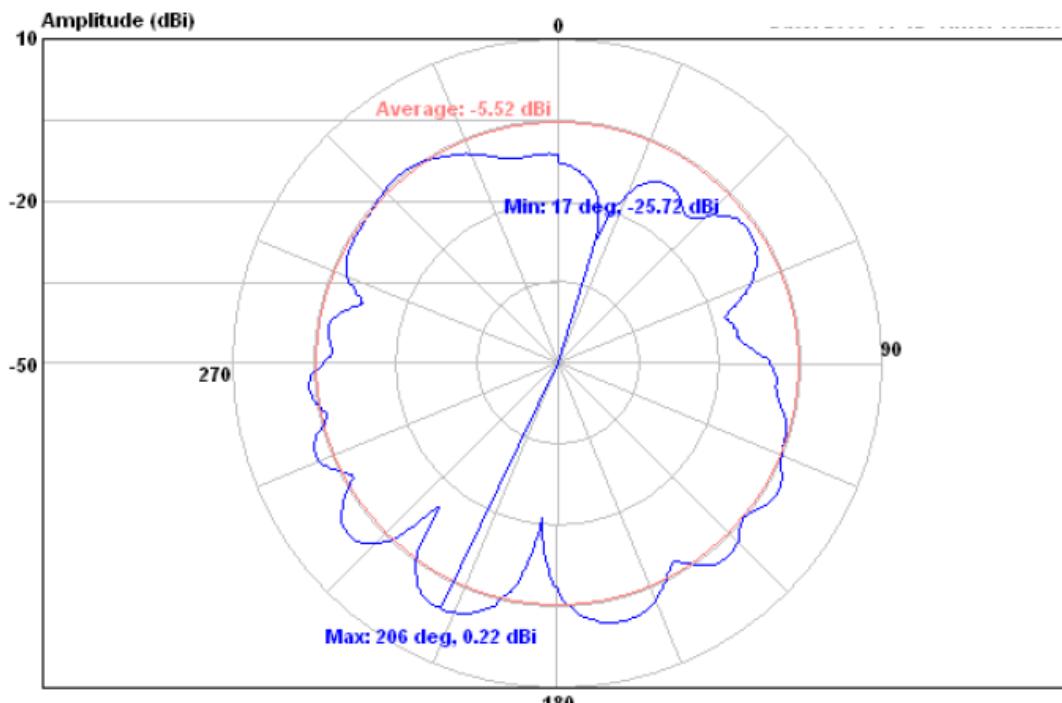
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Geometry of structure**Figure 1**

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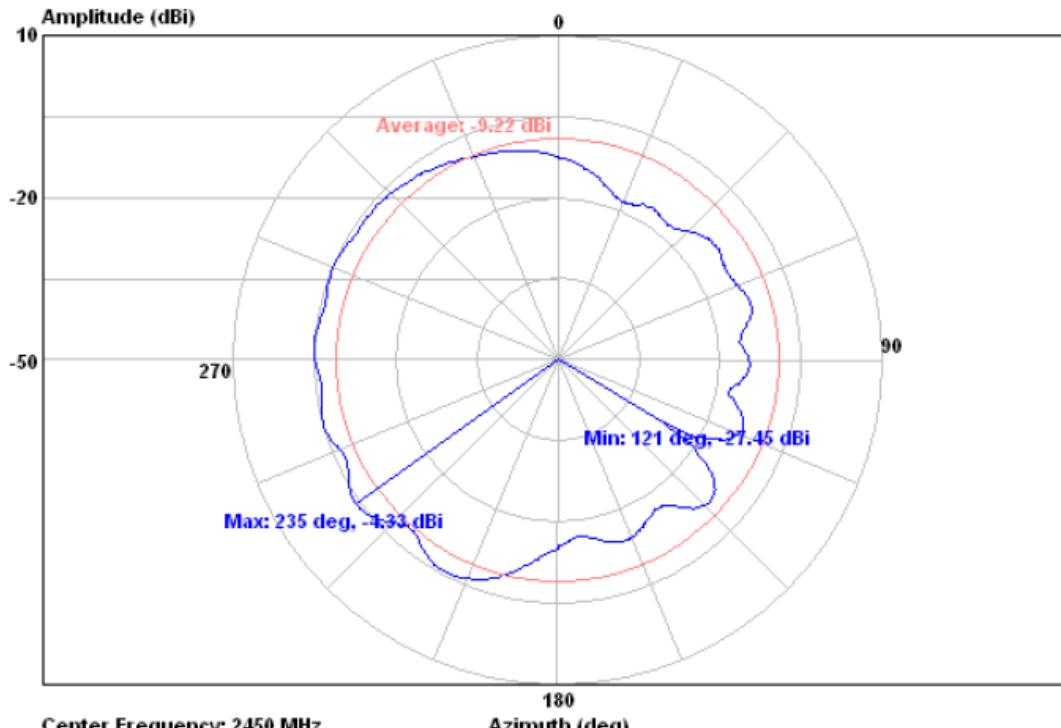
3. Test Result:

2450 MHz Test Result:	
Antenna type	Printed antenna
H-Plane antenna Peak Gain	= 0.22dBi
H-Plane antenna Average Gain	= -5.52 dBi
V-Plane antenna Peak Gain	= -4.33 dBi
V-Plane antenna Average Gain	= -9.22 dBi
Impedance	= 50.1 ohms
VSWR	≤ 2

H-plane

Site :site
H-Plan :Avg:-5.52dBi,Max:206.0deg 0.22dBi,Min:17.0deg -25.72dBi
Project No :ER/2009/B0006-02
Applicant :Freedom Input UK Limited
EUT Description:Freedom Pro Keyboard
EUT Model :FDMK-BT
EUT Pol :E2 plan
ANT. Type :Printed Ant.
Temp./Humid. :25/65
Operator :Jazz

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V-plane**-End of Report-**

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