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ANTENNA TEST REPORT

FOR

Bluetooth in-car Speakerphone Product Name:

Plantronics Brand Name:

Model Name: K100

Report No.: EF/2010/70001

Issue Date: July. 21, 2010

Plantronics, Inc. **Prepared for:**

345 Encinal Street, Santa Cruz, CA95060 USA

Prepared by: SGS Taiwan Ltd.

Electronics & Communication Laboratory

No. 134, Wu Kung Rd., Wuku Industrial Zone,

Taipei County, Taiwan.

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Bondi Jin Date: July. 21, 2010 Test By:

Bondi Liu / Engineer

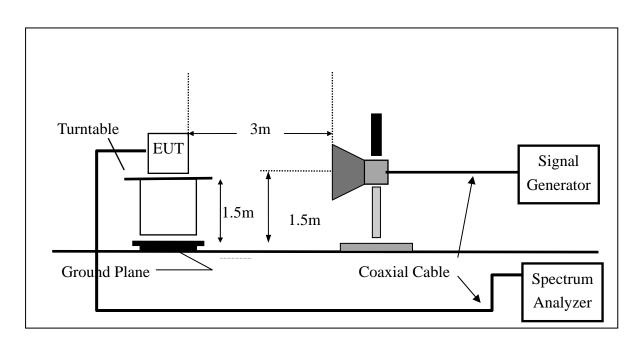
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1. Test SET-UP (Block Diagram of Configuration)



Measurement Equipment Used:								
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.	Cal.	Note	
ТҮРЕ		NUMBER	NUMBER	CAL.		Lab.		
Horn antenna	Schwarzbeck	BBHA	309	01/25/2010	01/24/2012	ETC	Calibratio	
		9120D					n based	
Horn antenna	Schwarzbeck	BBHA	673	05/05/2010	05/04/2012	Schwarzbeck	on the	
		9120D					article	
Signal	R&S	SMR40	100210	02/10/2010	02/09/2012	ETC	24-2-4-2-	
Generator							Ha of the	
Spectrum	Agilent	E4407B	MY41444896	01/12/2010	01/11/2012	Aglient	radio law	
Analyzer								
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	Chance Most	Fully	S0009174	N.C.R	N.C.R	N/A		
chamber		chamber S0009174	N.C.K	IV.C.K	1 N /A			

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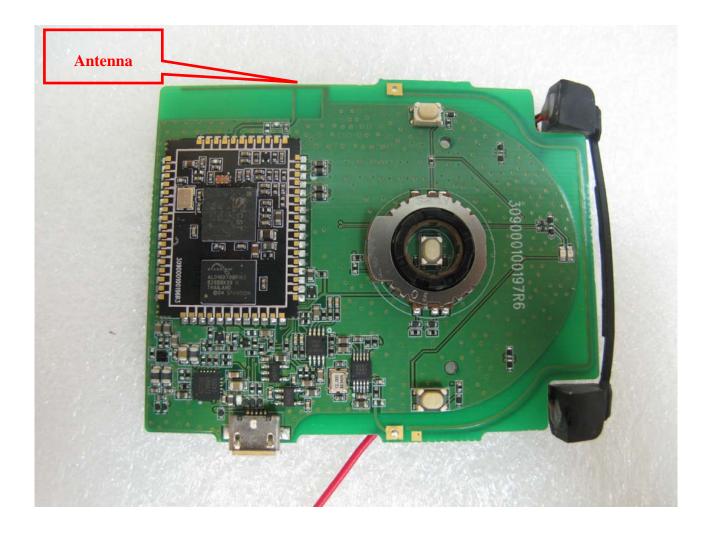


Geometry of structure

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Figure 1



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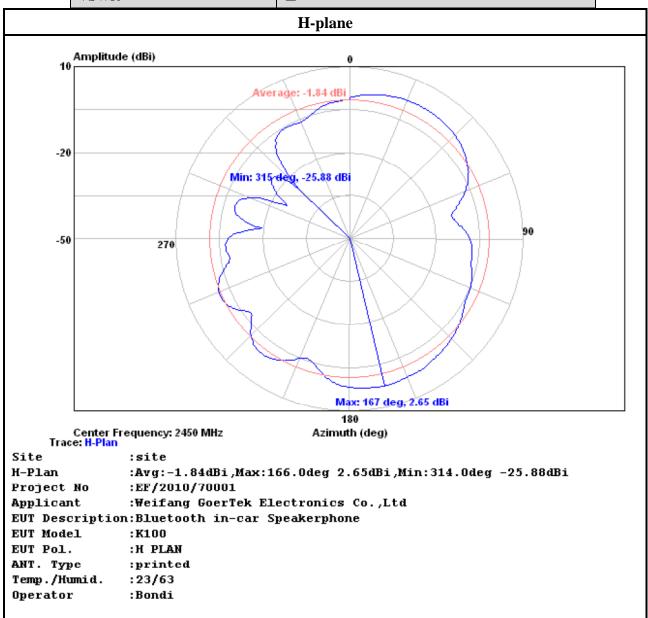
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3. Test Result:

2450 MHz Test Result:				
Antenna type	Printed antenna			
H-Plane antenna Peak Gain	= 2.65 dBi			
H-Plane antenna Average Gain	= -1.84 dBi			
E1-Plane antenna Peak Gain	= 1.56 dBi			
E1-Plane antenna Average Gain	= -2.51 dBi			
Impendence	= 50.1 ohms			
VSWR	≦2			



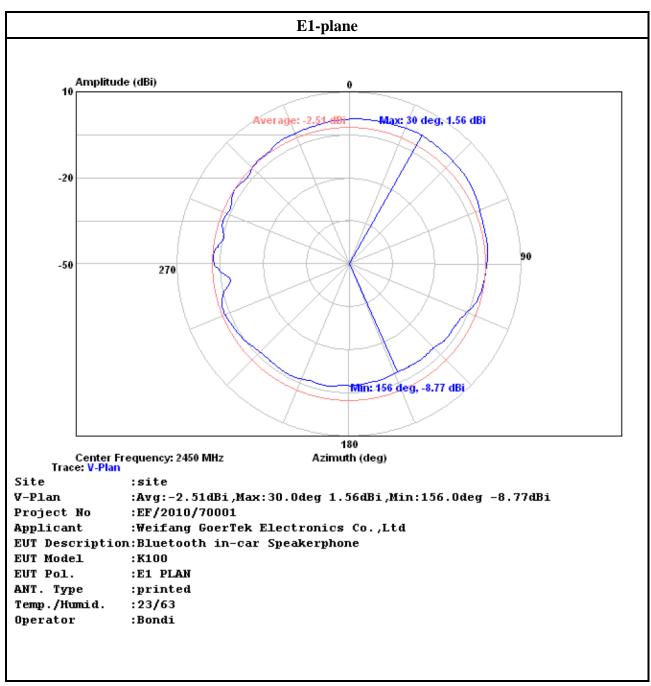
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-End of Report-

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