

Shenzhen Bontek Electronic Technology Co., Ltd.

FCC PART 15 B

MEASUREMENT AND TEST REPORT

For

FINGERTEC WORLDWIDE SDN BHD

NO.6, 8 & 10, JALAN BK 3/2, BANDAR KINRARA, 47100 PUCHONG, SELANGOR,

MALAYSIA

MODEL: TA300

March 17, 2010



Note: Note: This report is indited to the above intercompany and the product model any it has not be duplicated without pitter writes can selbort Blo Cekr Columbian Des Tiesting babaratory total.

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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	FINGERTEC WORLDWIDE SDN BHD					
Address of applicant:	NO.6, 8 & 10, JALAN BK 3/2, BANDAR KINRARA, 47100 PUCHONG, SELANGOR, MALAYSIA					
Manufacturer:	FINGERTEC WORLDWIDE LIMITED					
Address of manufacturer:	er: Peking University Founder Shiyan Science Park, Bao'an, Shenzhen, China. 518108					
General Description of E.U.T						
EUT Description:	Fingerprint T&A System					
Trade Name:	FINGERTEC					
Model No.:	TA300					
Power Rating:	Input: DC5V					
Adapter/Charger:	Switching Adapter					
Specification:	Brand: HONR					
	M/N:ADS-5N-06 05004G					
	Input: 100-240VAC 50/60Hz Max:0.3A					
	Output: 5VDC 800mA					
	Output Line Length: 1.5m					

Remark: * The test data gathered are from the production sample provided by the manufacturer.

1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with <u>FCC Rules and Regulations Part 15 Subpart B 2006</u>

The objective of the manufacturer is to demonstrate compliance with the described above standards.

1.3 Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions

Table 1 : Tests Carried Out Under FCC Part 15 Subpart B

Standard	Test Items	Status
FCC Part 15 Subpart B	Conduction Emission, 0.15MHz to 30MHz	\checkmark
FCC Part 15 Subpart B	Radiation Emission, 30MHz to 1000MHz	

 $\sqrt{}$ Indicates that the test is applicable

× Indicates that the test is not applicable

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1.4 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

The maximum emission levels emanating from the device are compared to the FCC Part 15 Subpart B limits for radiation emissions and the measurement results contained in this test report show that EUT is to be technically compliant with FCC requirements.

All measurement required was performed at SHENZHEN BONTEK ELECTRONIC TECHNOLOGY CO., LTD. at 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China

1.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC – Registration No.: 338263

SHENZHEN BONTEK ELECTRONIC TECHNOLOGY CO., LTD., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 338263, March, 2008.

IC Registration No.: 7631A

The 3m alternate test site of SHENZHEN BONTEK ELECTRONIC TECHNOLOGY CO., LTD. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on August 2009.

CNAS - Registration No.: L3923

SHENZHEN BONTEK ELECTRONIC TECHNOLOGY CO., LTD. to ISO/IEC 17025:25 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

The acceptance letter from the CNAS is maintained in our files: Registration:L3923,February,2009.

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1.6 Test Equipment List and Details

Test equipments list of SHENZHEN BONTEK ELECTRONIC TECHNOLOGY CO., LTD. .

No.	Instrument no.	Equipment	Manufacturer	Model No.	S/N	Calculator date	Calculator due date
1	BCT- EMC001	EMI Test Receiver	R&S	ESCI	100687	2009-4-14	2010-4-13
2	BCT- EMC002	EMI Test Receiver	R&S	ESPI	100097	2009-4-14	2010-4-13
3	BCT- EMC003	Amplifier	HP	8447D	1937A02492	2009-4-14	2010-4-13
4	BCT- EMC004	Single Power Conductor Module	FCC	FCC-LISN-5- 50-1-01- CISPR25	07101	2009-4-14	2010-4-13
5	BCT- EMC005	Single Power Conductor Module	FCC	FCC-LISN-5- 50-1-01- CISPR25	50-1-01- 07102		2010-4-13
6	BCT- EMC006	Power Clamp	SCHWARZBECK	MDS-21	3812	2009-4-14	2010-4-13
7	BCT- EMC007	Positioning Controller	C&C	CC-C-1F MF7802113		N/A	N/A
8	BCT- EMC008	`Electrostatic Discharge Simulator	TESEQ	NSG437 125		2009-4-14	2010-4-13
9	BCT- EMC009	Fast Transient Burst Generator	SCHAFFNER	MODULA6150	34572	2009-4-14	2010-4-13
10	BCT- EMC010	Fast Transient Noise Simulator	Noiseken	FNS-105AX	31485	2009-4-14	2010-4-13
11	BCT- EMC011	Color TV Pattern Genenator	PHILIPS	PM5418	PM5418 TM209947		N/A
12	BCT- EMC012	Power Frequency Magnetic Field Generator	EVERFINE	EMS61000-8K	608002	2009-4-14	2010-4-13
13	BCT- EMC013	N/A	N/A	N/A	N/A	N/A	N/A
14	BCT- EMC014	Capacitive Coupling Clamp	TESEQ	CDN8014	25096	2009-4-14	2010-4-13
15	BCT- EMC015	High Field Biconical Antenna	ELECTRO- METRICS	EM-6913	166	2009-4-14	2010-4-13

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16	BCT- EMC016	Log Periodic Antenna	ELECTRO- METRICS	EM-6950	811	2009-4-14	2010-4-13
17	BCT- EMC017	Remote Active Vertical Antenna	ELECTRO- METRICS	EM-6892	304	2009-4-14	2010-4-13
18	BCT- EMC018	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2009-4-14	2010-4-13
19	BCT- EMC019	Horn Antenna	SCHWARZBECK	BBHA9120A	B08000991- 0001	2009-4-14	2010-4-13
20	BCT- EMC020	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	D-69250	2009-4-14	2010-4-13
21	BCT- EMC021	10dB attenuator	SCHWARZBECK	MTAIMP-136	R65.90.0001#06	2009-4-14	2010-4-13
22	BCT- EMC022	Electric bridge	Zentech	100 LCR METER	803024	N/A	N/A
23	BCT- EMC023	RF Current Probe	FCC	F-33-4	80	2009-4-14	2010-4-13
24	BCT- EMC024	SIGNAL GENERATOR	HP	8647A	3349A02296	2009-4-14	2010-4-13
25	BCT- EMC025	MICROWAVE AMPLIFIER	HP	8349B	2627A00994	2009-4-14	2010-4-13
26	BCT- EMC026	Triple-Loop Antenna	EVERFINE	LLA-2	607004	2009-4-14	2010-4-13
27	BCT- EMC027	CDN	FRANKONIA	M2+M3	A3027019	2009-10- 20	2010-10-19
28	BCT- EMC028	6dB Attenuator	FRANKONIA	75-A-FFN-06	1001698	2009-10- 20	2010-10-19
29	BCT- EMC029	EMV-Mess- Systeme GMBH	FRANKONIA	FLL-75	1020A1109	2009-10- 20	2010-10-19
30	BCT- EMC030	EM Injection Clamp	FCC	F-203I-13mm	091536	2009-10- 20	2010-10-19
31	BCT- EMC031	9KHz-2.4GHz Signal generator	MARCONI INSTRUMENTS	2024	112260/042	2009-10- 20	2010-10-19



2 - SYSTEM TEST CONFIGURATION

2.1 Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

2.2 EUT Exercise Software

The EUT exercising program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software offered by manufacture, can let the EUT being normal operation.

2.3 Special Accessories

As shown in section 2.5, interface cable used for compliance testing is shielded as normally supplied by **FINGERTEC WORLDWIDE SDN BHD** and its respective support equipment manufacturers.

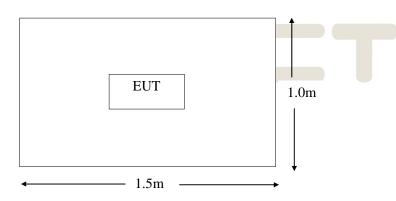
2.4 Equipment Modifications

The EUT tested was not modified by BCT.

2.5 Configuration of Test System



2.6 Test Setup Diagram





3 - DISTURBANCE VOLTAGE AT THE MAINS TERMINALS

3.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is 3.4 dB.

3.2 Limit of Disturbance Voltage at The Mains Terminals

Frequency Range (MHz)	Limits (dBuV)				
Trequency Mange (Minz)	Quasi-Peak	Average			
0.150~0.500	66~56	56~46			
0.500~5.000	56	46			
5.000~30.00	60	50			

Note: (1)The tighter limit shall apply at the edge between two frequency bands.

3.3 EUT Setup

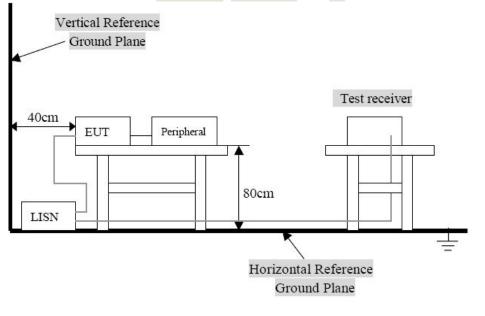
The setup of EUT is according with ANSI C63.4-2001 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.



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3.4 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

3.5 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "**QP**". Average readings are distinguished with a "**AV**".

3.6 Summary of Test Results

According to the data in section 3.6, the EUT <u>complied with the FCC Part 15 B</u> Conducted margin, with the *worst* margin reading of:

3.7 Disturbance Voltage Test Data

Temperature (°C)	22~25
Humidity (%RH)	50~55
Barometric Pressure (mbar)	950~1000
EUT	Fingerprint T&A System
M/N	TA300
Operating Mode	ON & Connect to PC

Test data see following pages

Remark: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.

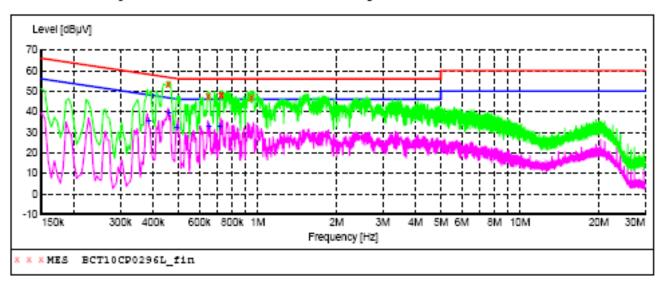
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

3.8 Test Result

PASS

EUT:	Fingerprint T&A System
Operating Condition:	ON
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Live Line
Start of Test:	12/3/10/ 10:21 Tem:24°C Hum:55%

SCAN TABLE: "Voltage (150K-30M) FIN" Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT10CP0296L fin"

12/3/2010 10				_	_		
Frequency MHz	dBµV	Transd dB	dBµV	Margin dB	Detector	Line	PE
0.460500 0.654000 0.730500 0.735000 0.955500	53.50 47.50 47.90 47.80 46.50	10.6 10.5 10.5 10.5 10.5	57 56 56 56	3.2 8.5 8.1 8.2 9.5	QP QP QP	L1 L1 L1 L1 L1	GND GND GND GND GND

MEASUREMENT RESULT: "BCT10CP0296L_fin2"

12/3/2010 10:21

Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.288500 0.465000 0.496500 0.658500 0.726000	36.00 39.70 32.40 32.80 32.90	10.7 10.6 10.5 10.5 10.5	48 47 46 46	12.1 6.9 13.7 13.2 13.1	AV AV AV	L1 L1 L1 L1 L1	GND GND GND GND GND

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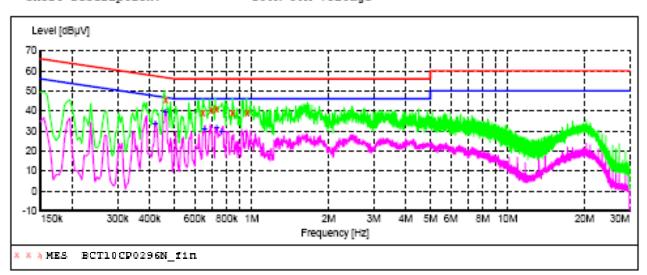
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M/N: TA300

EUT:	Fingerprint T&A System	M/N: TA300
Operating Condition:	ON	
Test Site:	Shielded Room	
Operator:	Yang	
Test Specification:	AC 120V/60Hz for Adapter	
Comment:	Neutral Line	
Start of Test:	12/3/10/ 10:24 Tem:24°C Hum:55%	

SCAN TABLE: "Voltage (150K-30M) FIN" Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT10CP0296N fin"

12/3/2010 10 Frequency MHz	:24 Level dBµV	Transd dB	Limit dBµV	Margin dE	Detector	Line	PE
0.460500 0.645000 0.694500 0.726000 0.843000 0.960000	45.70 39.20 40.20 40.70 38.80 39.10	10.6 10.5 10.5 10.5 10.5 10.5	57 56 56 56 56 56	11.0 16.8 15.8 15.3 17.2 16.9	QP QP QP QP QP QP	N N N N N	GND GND GND GND GND GND

MEASUREMENT RESULT: "BCT10CP0296N_fin2"

12/3/2010 10:24									
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE		
0.420000	33.60	10.6	47	13.8	AV	N	GND		
0.460500	39.40	10.6	47	7.3	AV	N	GND		
0.654000	30.90	10.5	46	15.1	AV	N	GND		
0.730500	31.80	10.5	46	14.2	AV	N	GND		
0.762000	29.80	10.5	46	16.2	AV	N	GND		

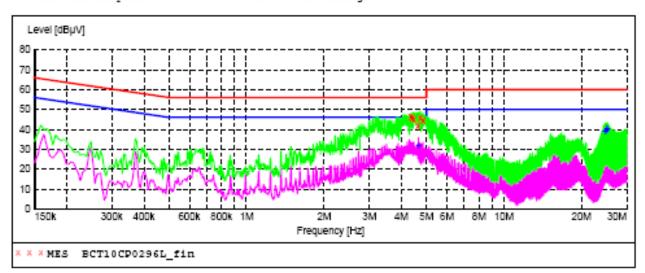
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EUT:	Fingerprint T&A System
Operating Condition:	Connect to PC
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Live Line
Start of Test:	12/3/10/ 18:38 Tem:24°C Hum:55%

SCAN TABLE: "Voltage (150K-30M) FIN" Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT10CP0296L_fin"

12/3/2010 18: Frequency MHz		Transd dB	Limit dBµV	Margin dE	Detector	Line	PE
4.344000 4.407000 4.465500 4.636500	46.60 45.90 45.30 41.50	10.3 10.3 10.3 10.3	56 56 56	9.4 10.1 10.7 14.5	QP QP	L1 L1 L1 L1	GND GND GND GND
4.731000 4.861500	45.40 44.70	10.3 10.4	56 56	10.6 11.3	-	L1 L1	GND GND

MEASUREMENT RESULT: "BCT10CP0296L fin2"

12/3/2010 1	.8:38						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
4.668000	32.20	10.3	46	13.8	AV	L1	GND
24.666000	39.10	10.9	50	10.9	AV	L1	GND
24.913500	39.30	10.9	50	10.7	AV	L1	GND
25.039500	40.70	10.9	50	9.3	AV	L1	GND
25.165500	40.10	10.9	50	9.9	AV	L1	GND
25.287000	40.20	10.9	50	9.8	AV	L1	GND

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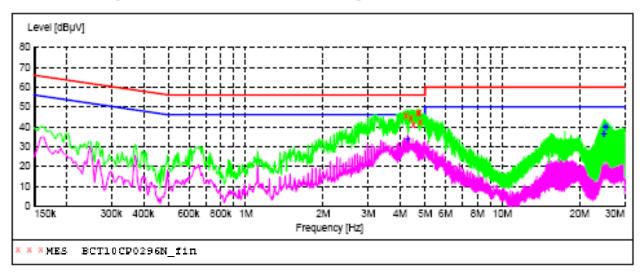
FCC PART 15 B Report

M/N: TA300



EUT:	Fingerprint T&A System	M/N: TA300
Operating Condition:	Connect to PC	
Test Site:	Shielded Room	
Operator:	Yang	
Test Specification:	AC 120V/60Hz for Adapter	
Comment:	Neutral Line	
Start of Test:	12/3/10/ 18:35 Tem:24°C Hum:55%	

SCAN TABLE: "Voltage (150K-30M) FIN" Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT10CP0296N_fin"

12/3/2010	18:35						
Frequency				-	Detector	Line	PE
MHe	s dBµV	dB	dBµV	dB			
4.218000	45.90	10.3	56	10.1	QP	N	GND
4.402500	44.30	10.3	56	11.7	QP	N	GND
4.501500	41.10	10.3	56	14.9	QP	N	GND
4.672500	46.80	10.3	56	9.2	QP	N	GND
4.735500	46.80	10.3	56	9.2	QP	N	GND
4.789500	42.30	10.4	56	13.7	QP	N	GND

MEASUREMENT RESULT: "BCT10CP0296N_fin2"

12/3/2010 18	:35						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
4.281000	34.00	10.3	46	12.0	AV	N	GND
24.778500	36.90	10.9	50	13.1	AV	N	GND
25.026000	36.40	10.9	50	13.6	AV	N	GND
25.152000	39.60	10.9	50	10.4	AV	N	GND
25.278000	40.80	10.9	50	9.2	AV	N	GND
25.525500	39.90	10.9	50	10.1	AV	N	GND

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4 - RADIATED DISTURBANCES

4.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is 4.0 dB.

4.2 Limit of Radiated Disturbances

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dBµV/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

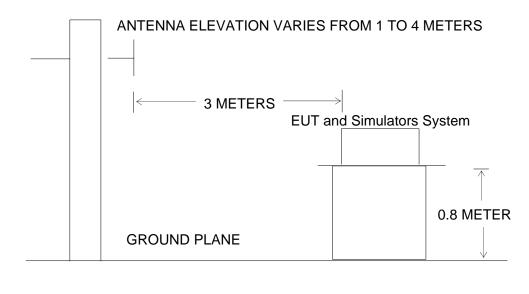
4.3 EUT Setup

The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2001. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

Block diagram of test setup (In chamber)



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4.4 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector	Peak & Quasi-Peak
IF Band Width	120KHz
Frequency Range	
Frequency Range	0 to 360 degrees

Antenna Position:

Height	1m to 4m
Polarity	Horizontal and Vertical

4.5 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB_µV of specification limits), and are distinguished with a "**QP**" in the data table.

4.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of $-7dB_{\mu}V$ means the emission is $7dB_{\mu}V$ below the maximum limit for Subpart B. The equation for margin calculation is as follows:

Margin = Limit – Corr. Ampl.

4.7 Radiated Emissions Test Result

Temperature (°C)	22~25
Humidity (%RH)	50~54
Barometric Pressure (mbar)	950~1000
EUT	Fingerprint T&A System
M/N	TA300
Operating Mode	ON & Connect to PC

Test data see following pages

Remark: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.

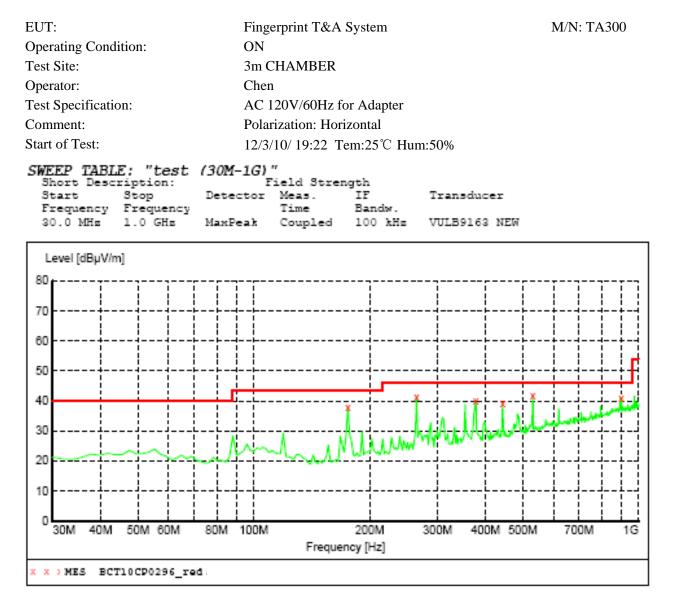
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

4.8 Test Result

PASS

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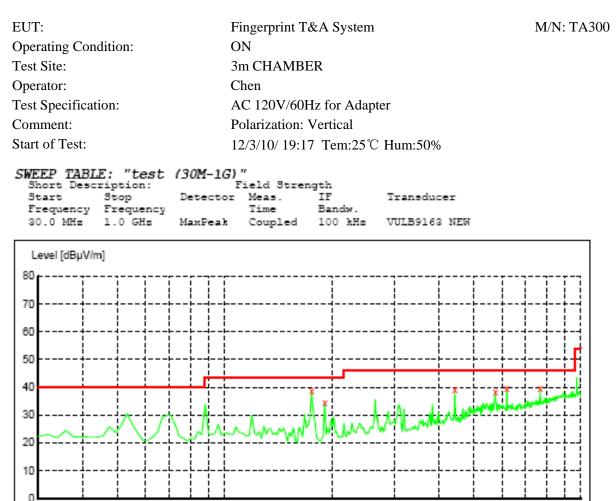


MEASUREMENT RESULT: "BCT10CP0296 red"

12/3/2010 19 Frequency MHz	9:22 Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Asimuth deg	Polarization
175.500000 264.740000	38.10 41.20	14.7 17.5	43.5 46.0	5.4 4.8		100.0 100.0	0.00	HORIZONTAL HORIZONTAL
377.260000	40.10	20.9	46.0	5.9	QP	100.0	0.00	HORIZONTAL
443.220000 530.520000 901.060000	39.10 41.80 41.10	22.4 24.7 31.2	46.0 46.0 46.0	6.9 4.2 4.9		100.0 100.0 100.0	0.00 0.00 0.00	HORIZONTAL HORIZONTAL HORIZONTAL

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BCT



× × > MES BCT10CP0296V_red

50M 60M

40M

30M

MEASUREMENT RESULT: "BCT10CP0296V red"

80M

100M

12/3/2010 19	9:17							
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Asimuth deg	Polarization
175.500000	38.70	14.7	43.5	4.8	QP	100.0	0.00	VERTICAL
191.020000	34.60	16.1	43.5	8.9	QP	100.0	0.00	VERTICAL
443.220000	39.10	22.4	46.0	6.9	QP	100.0	0.00	VERTICAL
575.140000	38.40	25.8	46.0	7.6	QP	100.0	0.00	VERTICAL
619.760000	39.60	26.6	46.0	6.4	QP	100.0	0.00	VERTICAL
769.140000	39.40	28.9	46.0	6.6	QP	100.0	0.00	VERTICAL

200M

Frequency [Hz]

300M

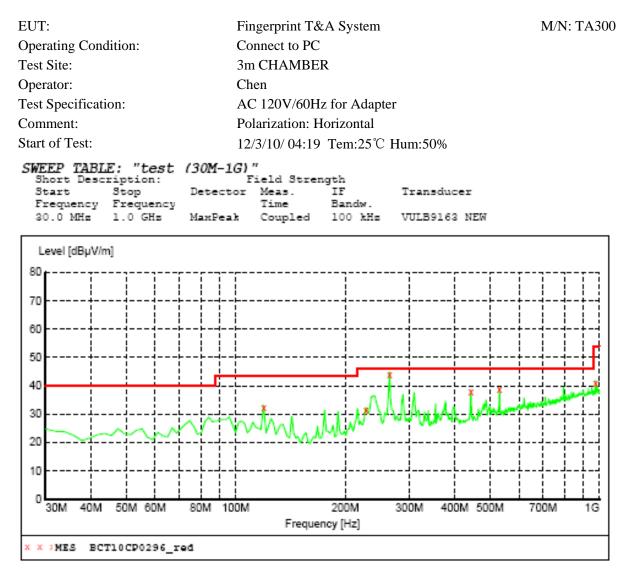
400M 500M

700M

1G

Report No.:BCT10CR-0296E

BCT



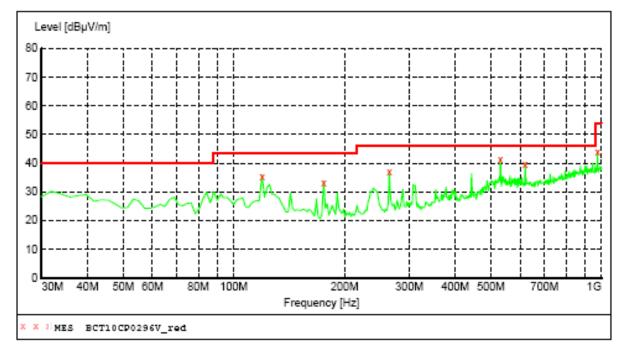
MEASUREMENT RESULT: "BCT10CP0296 red"

12/3/2010 04:19 Frequency Level Transd Limit Margin Det. Height Asimuth Polarization MHz dBuV/m dBuV/m dB dB deq cm 119.240000 300.0 32.20 15.2 0.00 HORIZONTAL 43.5 11.3 QP 227.880000 31.40 16.5 43.5 12.1 QP 100.0 0.00 HORIZONTAL 264.740000 17.5 QP 44.00 46.0 3.0 100.0 0.00 HORIZONTAL 22.4 100.0 443.220000 37.60 46.0 8.4 QP 0.00 HORIZONTAL 530.520000 38.40 46.0 7.6 100.0 0.00 HORIZONTAL 24.7 QP 974.780000 ÕP 40.80 5.2 300.0 0.00 HORIZONTAL 32.0 46.0

Report No.:BCT10CR-0296E

EUT:	Fingerprint T&A System	M/N: TA300
Operating Condition:	Connect to PC	
Test Site:	3m CHAMBER	
Operator:	Chen	
Test Specification:	AC 120V/60Hz for Adapter	
Comment:	Polarization: Vertical	
Start of Test:	12/3/10/ 04:16 Tem:25°C Hum:50%	
SWEEP TABLE: "test (30) Short Description:	M-1G)" Field Strength	

Short Desc	ription:	E			
Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	ManPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "BCT10CP0296V_red"

12/3/2010 04:16								
Frequency				-	Det.	Height		Polarization
MHz	dBµV/m	dB	dBµV/m	dB		cm	deg	
119.240000	35.90	15.2	43.5	7.6	QP	100.0	0.00	VERTICAL
175.500000	33.80	14.7	43.5	9.7	QP	100.0	0.00	VERTICAL
264.740000	37.30	17.5	46.0	8.7	QP	100.0	0.00	VERTICAL
530.520000	41.90	24.7	46.0	4.1	QP	100.0	0.00	VERTICAL
619.760000	40.20	26.6	46.0	5.8	QP	100.0	0.00	VERTICAL
974.780000	44.30	32.0	46.0	1.7	QP	100.0	0.00	VERTICAL

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APPENDIX B - EUT PHOTOGRAPHS

EUT – Combined View



EUT – Front View



EUT-Rear View



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Shenzhen Bontek Electronic Technology Co., Ltd

EUT – Front View of Adapter



EUT – Rear View of Adapter



EUT – Line View



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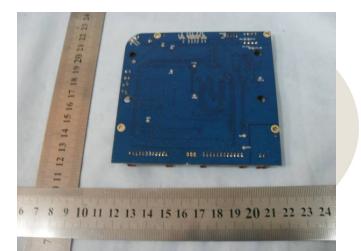
FCC PART 15 B Report

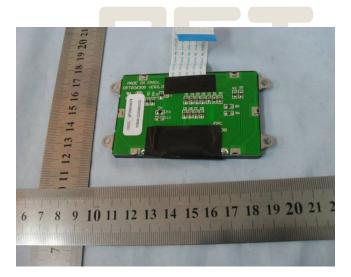
1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, P.R. China Tel 86-755-86337020(53 Lines) Fax 86-755-86337028 http://www.bontek.com.cn



EUT – PCB View





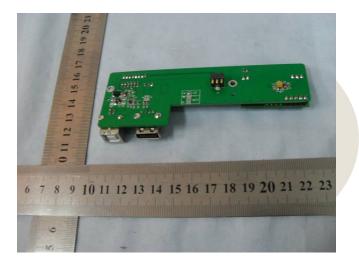


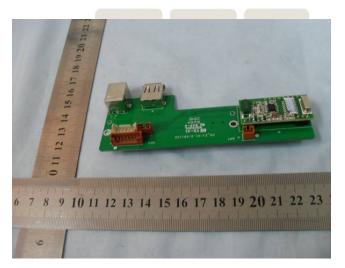
Report No.:BCT10CR-0296E

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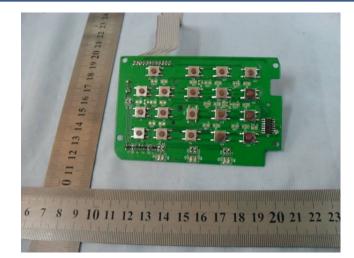
Report No.:BCT10CR-0296E

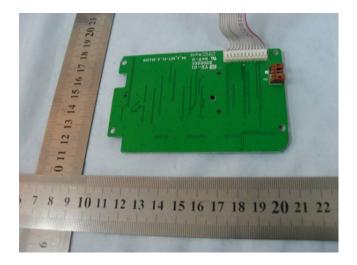
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FCC PART 15 B Report

1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, P.R. China Tel 86-755-86337020(53 Lines) Fax 86-755-86337028 http://www.bontek.com.cn







EUT – Front View of Fingerprint Facility



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APPENDIX C - TEST SETUP PHOTOGRAPHS

Conducted Emission



Radiated Emission



Radiated Emission TO PC



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FCC PART 15 B Report

1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, P.R. China Tel 86-755-86337020(53 Lines) Fax 86-755-86337028 http://www.bontek.com.cn



Shenzhen Bontek Electronic Technology Co., Ltd

Conducted Emission TO PC





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APPENDIX D - BONTEK ACCREDITATION CERTIFICATES



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FEDERAL COMMUNICATIONS COMMISSION

Laboratory Division 7435 Oakland Mills Road Columbia, MD 21046

March 20, 2008

Registration Number: 338263

Bontek Compliance Testing Laboratory Ltd *. 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, 518055 China

Tony Wu

Attention:

Re:

Measurement facility located at Hua Qiao Cheng East Ind. Area, Shenzhen, China Anechoic chamber (3 meter) Date of Listing: March 20, 2008

Dear Sir or Madam:

Your request for registration of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC rules. The information has, therefore, been placed on file and the name of your organization added to the list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that the file must be updated for any changes made to the facility and the registration must be renewed at least every three years.

Measurement facilities that have indicated that they are available to the public to perform measurement services on a fee basis may be found on the FCC website <u>www.fcc.gov</u> under E-Filing, OET Equipment Authorization Electronic Filing, Test Firms.

Sincerely,

Katie Hawkins Electronics Engineer

Report No.:BCT10CR-0296E

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Industry Industrie Canada Canada

May 2nd, 2008

OUR FILE: 46405-7631 Submission No: 126111

Bontek Compliance Testing Laboratory Ltd. 1/F, Block East H-3, Quiaocheng, East Road OCT Eastern Ind. Zone Nanshan, Shenzhen China

Attention: Tony Wu

Dear Sir/Madame:

The Bureau has received your application for the registration / renewal of a 3/10m alternate test site. Be advised that the information received was satisfactory to Industry Canada. The following number(s) is now associated to the site(s) for which registration / renewal was sought (7631A-1). Please reference the appropriate site number in the body of test reports containing measurements performed on the site.

- Your primary code is: 7631

- The company number associated to the site(s) located at the above address is: 7631A

Furthermore, to obtain or renew a unique site number, the applicant shall demonstrate that the site has been accredited to ANSI C63.4-2003 or later. A scope of accreditation indicating the accreditation by a recognized accreditation body to ANSI C63.4-2003 shall be accepted. Please indicate in a letter the previous assigned site number if applicable and the type of site (example: 3 meter OATS or 3 meter chamber). If the test facility is not accredited to ANSI C63.4-2003 or later, the test facility shall submit test data demonstrating full compliance with the ANSI standard. The Bureau will evaluate the filing to determine if recognition shall be granted.

The frequency for re-validation of the test site and the information that is required to be filed or retained by the testing party shall comply with the requirements established by the accrediting organization. However, in all cases, test site re-validation shall occur on an interval not to exceed two years. There is no fee or form associated with an OATS filing. OATS submissions are encouraged to be submitted electronically to the Bureau using the following URL; http://strategis.ic.gc.ca/epic/internet/inceb-bhst.nsf/en/h_tt00052e.html.

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