APPLICATION CERTIFICATION FCC Part 15B On Behalf of HONG KONG NATURAL SOUND ELECTRONICS LIMITED

MP4

Model No.: ID1851, Eclipse-Replay

FCC ID: PWK-ID1851

Prepared for : HONG KONG NATURAL SOUND ELECTRONICS

LIMITED

Address : FLAT/RM M 4/F CONTINENTAL MANSION 300

KING'S ROAD HONG KONG

Prepared by : ACCURATE TECHNOLOGY CO. LTD

Address : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

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Report Number : ATE20122474

Date of Test : October 29-November 5, 2012

Date of Report : November 5, 2012

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Test Report Certification

Applicant : HONG KONG NATURAL SOUND ELECTRONICS LIMITED

Manufacturer : Shenzhen Natural Sound Electronics Co., Ltd.

EUT Description : MP4

(A) MODEL NO.: ID1851, Eclipse-Replay

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & DC 5V (Power by

PC)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B ANSI C63.4: 2009

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test :	October 29-November 5, 2012
Prepared by :	Apple Lu
	(Apple Lv, Engineer)
Approved & Authorized Signer:	Lemil
	(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT : MP4

Model Number : ID1851, Eclipse-Replay

(Note: These samples are same except for the appearance is difference. So we prepare the ID1851 for FCC test.)

Power Supply : DC 3.7V (Li-polymer battery) & DC 5V (Power by PC)

Highest operation

frequency of the EUT:

96MHz

Applicant : HONG KONG NATURAL SOUND ELECTRONICS

LIMITED

Address : FLAT/RM M 4/F CONTINENTAL MANSION 300

KING'S ROAD HONG KONG

Manufacturer : Shenzhen Natural Sound Electronics Co., Ltd.

Address : 4th Building, Xinyuan Industrial Zone, Gushu Village,

Bao'an District, Shenzhen, China

Date of sample received: October 29, 2012

Date of Test : October 29-November 5, 2012

1.2. Accessory and Auxiliary Equipment

1.2.1.PC

Notebook PC : Manufacturer: SONY

M/N: PCG-663P

S/N: 28123170 7202526

1.2.2.Printer

Printer : Manufacturer: Canon

M/N: BJC-1000SP

S/N: N/A

1.3. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee

for Laboratories

The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

P.R. China

1.4. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2

(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2

(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Туре	S/N	Calibrated date	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 8, 2012	Jan. 7, 2013
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 8, 2012	Jan. 7, 2013
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 8, 2012	Jan. 7, 2013
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 8, 2012	Jan. 7, 2013
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 8, 2012	Jan. 7, 2013
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 8, 2012	Jan. 7, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 8, 2012	Jan. 7, 2013
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 8, 2012	Jan. 7, 2013

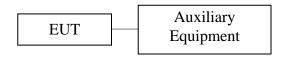
3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The modes are used: 1) Playing

- 2) Transfer data
- 3) Recording playing
- 4) Charging

3.2. Configuration and peripherals



(EUT: MP4)

4. TEST PROCEDURES AND RESULTS

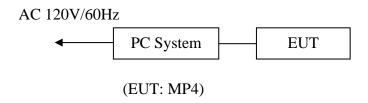
FCC Rules	Description of Test	Result
Section 15.107	Conducted Emission Test	Compliant
Section 15.109	Radiated Emission Test	Compliant

5. CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.107(A)

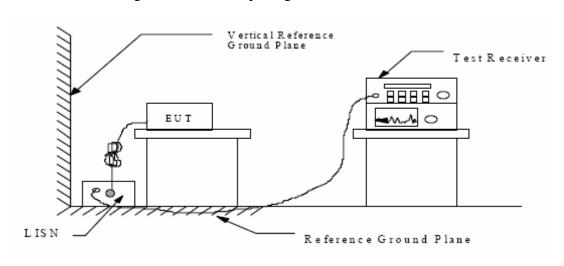
5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators

5.1.1.1. For Transfer data and Charging



5.1.2. Shielding Room Test Setup Diagram



(EUT: MP4)

5.2. The Emission Limit

5.2.1.Conducted Emission Measurement Limits According to Section 15.107(a)

Frequency	Limit dB(μV)				
(MHz)	Quasi-peak Level	Average Level			
0.15 - 0.50	66.0 - 56.0 *	56.0 – 46.0 *			
0.50 - 5.00	56.0	46.0			
5.00 - 30.00	60.0	50.0			

^{*} Decreases with the logarithm of the frequency.

5.3. Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.MP4 (EUT)

Model Number : ID1851 Serial Number : N/A

Manufacturer : Shenzhen Natural Sound Electronics Co., Ltd.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3.Let the EUT work in modes (Charging, Transfer data) and measure it.

5.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

5.6. Power Line Conducted Emission Measurement Results

PASS.The frequency range from 150kHz to 30MHz is checked.

Date of Test:October 31, 2012Temperature:25°CEUT:MP4Humidity:50%Model No.:ID1851Power Supply:AC 120V/60HzTest Mode:ChargingTest Engineer:PEI

Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dBuV	dB	dBuV	dB			
	'		'				
0.150000	40.20	11.0	66	25.8	QP	N	GND
2.843398	29.70	11.6	56	26.3		N	GND
3.030938	29.80	11.6	56	26.2	QP	N	GND
3.030330	23.00	11.0	00	20.2	×-	11	OIVD
P	T 1	m1	T 2 2 L	M	Datastas	T 2	DE
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.184605	39.70	11.2	54	14.6	AV	N	GND
1.606633	29.30	11.7		16.7		N	GND
2.532561	30.30	11.6	46	15.7	AV	N	GND
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.150000	43.40	11.0	66	22.6	QP	L1	GND
0.183870	43.80	11.2	64	20.5	QP	L1	GND
1.052309	34.40	11.8	56	21.6	QP	L1	GND
					~		
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dBuV	dB	dBuV	dB	2000001		
11112	αυμν	αD	αυμν	ab			
0.186085	42.10	11.2	54	12.1	AV	L1	GND
0.555583	35.00	12.0	46	11.0	AV	L1	GND
0.802141	34.70	11.9	46	11.3	AV	L1	GND
0.002141	34.70	T T . J	-10		4 4 V		OIVE

Emissions attenuated more than 20 dB below the permissible value are not reported. The spectral diagrams are attached as below.

Date of Test:October 31, 2012Temperature:25°CEUT:MP4Humidity:50%Model No.:ID1851Power Supply:AC 120V/60HzTest Mode:Transfer dataTest Engineer:PEI

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000 0.369752 3.960370	40.20 30.60 29.70	11.0 11.7 11.5	66 59 56		QP QP QP	N N N	GND GND GND
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.185344 3.030938 3.527427	39.70 30.00 30.00	11.2 11.6 11.5	54 46 46		AV AV AV	N N N	GND GND GND
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000 0.371231 1.300259	43.20 35.70 34.00	11.0 11.8 11.8	66 59 56		QP QP QP	L1 L1 L1	GND GND GND
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PΕ
0.185344 0.555583 1.052309	42.50 34.90 34.90	11.2 12.0 11.8	54 46 46	11.7 11.1 11.1	AV AV AV	L1 L1 L1	GND GND GND

Emissions attenuated more than 20 dB below the permissible value are not reported. The spectral diagrams are attached as below.

CONDUCTED EMISSION STANDARD FCC PART 15 B

MP4 M/N:ID1851 Manufacturer: Natural Sound Operating Condition: Charging

Test Site: 1#Shielding Room

Operator: Alen

Test Specification: N 120V/60Hz

Report No.:ATE2012474 Comment: Start of Test: 10/31/2012 / 3:55:47AM

SCAN TABLE: "V 150K-30MHz fin"

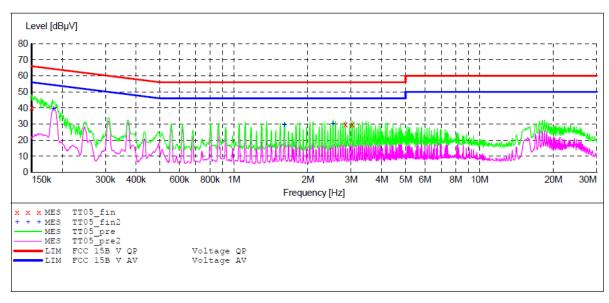
______SUB_STD_VTERM2 1.70 Short Description:

Start Stop Step Detector Meas. ΙF Transducer

Bandw. Time

Frequency Frequency Width 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "TT05 fin"

10/31/2012	3:57AM						
Frequenc	y Level	Transd	Limit	Margin	Detector	Line	PΕ
MH	z dBµV	dB	dΒμV	dB			
0 15000	0 40 00	11 0		25 0	0.0		CNID
0.15000	0 40.20	11.0	66	25.8	QP	N	GND
2.84339	8 29.70	11.6	56	26.3	QP	N	GND
3.03093	8 29.80	11.6	56	26.2	QP	N	GND

MEASUREMENT RESULT: "TT05 fin2"

1	0/31/2012 3:	57AM						
	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
	0.184605	39.70	11.2	54	14.6	AV	N	GND
	1.606633	29.30	11.7	46	16.7	AV	N	GND
	2.532561	30.30	11.6	46	15.7	AV	N	GND

CONDUCTED EMISSION STANDARD FCC PART 15 B

MP4 M/N:ID1851 Natural Sound Manufacturer: Operating Condition: Charging Test Site: 1#Shielding Room

Operator: Alen

Test Specification: L 120V/60Hz

Comment: Report No.:ATE20122474 Start of Test: 10/31/2012 / 3:58:35AM

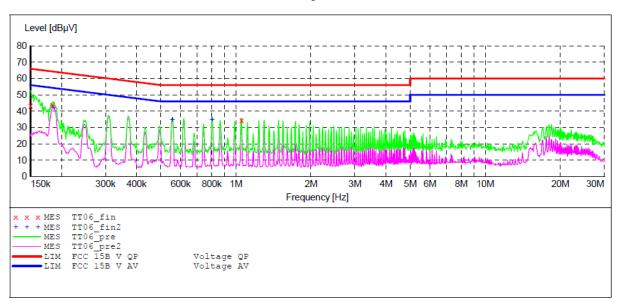
SCAN TABLE: "V 150K-30MHz fin"
Short Description: _SUB_ _SUB_STD_VTERM2 1.70

Stop Start Step Detector Meas. IF Transducer

Time Bandw.

Frequency Frequency Width 150.0 kHz 30.0 MHz 0.8 % 9 kHz NSLK8126 2008 QuasiPeak 1.0 s

Average



MEASUREMENT RESULT: "TT06 fin"

10/31/2012 4 Frequency MHz	Level			Margin dB	Detector	Line	PE
0.150000 0.183870 1.052309	43.80	11.0 11.2 11.8	64	22.6 20.5 21.6	ÕР	L1 L1 L1	GND GND GND

MEASUREMENT RESULT: "TT06 fin2"

10/31/2012	4:00AM						
Frequenc	y Level	Transd	Limit	Margin	Detector	Line	PΕ
MH	z dBµV	dB	dΒμV	dB			
0.18608	5 42.10	11.2	54	12.1	AV	L1	GND
0.55558	3 35.00	12.0	46	11.0	AV	L1	GND
0.80214	1 34.70	11.9	46	11.3	AV	L1	GND

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: MP4 M/N:ID1851 Manufacturer: Natural Sound Operating Condition: Transfer data Test Site: 1#Shielding Room

Operator: Alen

Test Specification: N 120V/60Hz

Comment: Report No.:ATE20122474 Start of Test: 10/31/2012 / 4:12:21AM

SCAN TABLE: "V 150K-30MHz fin"

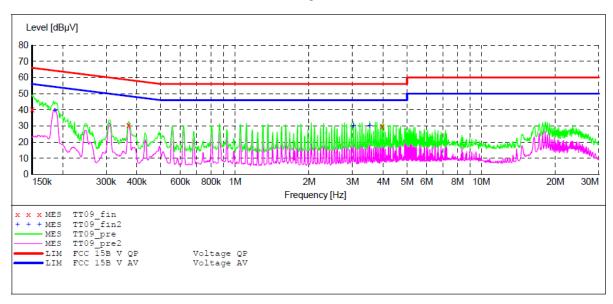
_SUB_STD_VTERM2 1.70 Short Description:

IF Bandw. Start Stop Step Detector Meas. Transducer

Frequency Frequency Width Time

150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "TT09 fin"

10/3	1/2012 4:1	L4AM						
F	requency	Level	Transd	Limit	Margin	Detector	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB			
	0.150000	40 20	11.0	66	25.8	OP	N	GND
	0.369752		11.7		27.9	~	N	GND
	3.960370	29.70	11.5	56	26.3	ÕР	N	GND

MEASUREMENT RESULT: "TT09 fin2"

10/31/2012	4:14AM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PΕ
MHz	dΒμV	dB	dΒμV	dB			
0.185344	39.70	11.2	54	14.5	AV	N	GND
3.030938	30.00	11.6	46	16.0	AV	N	GND
3.527427	30.00	11.5	46	16.0	AV	N	GND

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: MP4 M/N:ID1851 Manufacturer: Natural Sound Operating Condition: Transfer data 1#Shielding Room Test Site:

Operator: Alen

Test Specification: L 120V/60Hz

Report No.:ATE20122474 10/31/2012 / 4:15:38AM Comment: Start of Test:

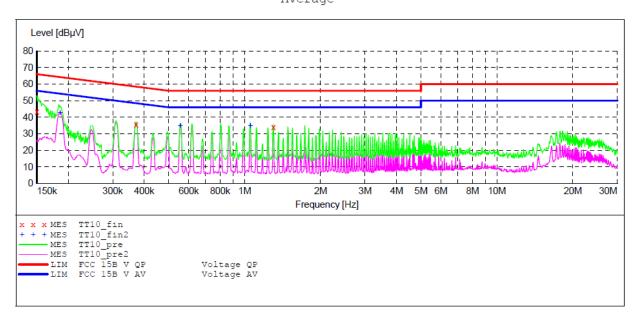
SCAN TABLE: "V 150K-30MHz fin"

_SUB_STD_VTERM2 1.70 Short Description:

Detector Meas. Time Start Stop Step ΙF Transducer

Frequency Frequency Bandw. Width 150.0 kHz 30.0 MHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008 0.8 %

Average



MEASUREMENT RESULT: "TT10 fin"

10/31/2012	4:18AM						
Frequency	y Level	Transd	Limit	Margin	Detector	Line	PE
MH	z dBµV	dB	dΒμV	dB			
0.15000	0 43.20	11.0	66	22.8	QP	L1	GND
0.37123	1 35.70	11.8	59	22.8	QP	L1	GND
1.30025	9 34.00	11.8	56	22.0	QP	L1	GND

MEASUREMENT RESULT: "TT10 fin2"

10/31/2012							
Frequency MHz			Limit dBuV	Margin dB	Detector	Line	PE
MHZ	αьμν	αь	αвμν	uБ			
0.185344	42.50	11.2	54	11.7	AV	L1	GND
0.555583	34.90	12.0	46	11.1	AV	L1	GND
1.052309	34.90	11.8	46	11.1	AV	L1	GND

6. RADIATED EMISSION FOR FCC PART 15 SECTION 15.109(A)

6.1.Block Diagram of Test Setup

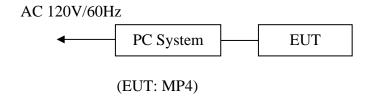
6.1.1.Block diagram of connection between the EUT and simulators

6.1.1.1. For playing & Recording

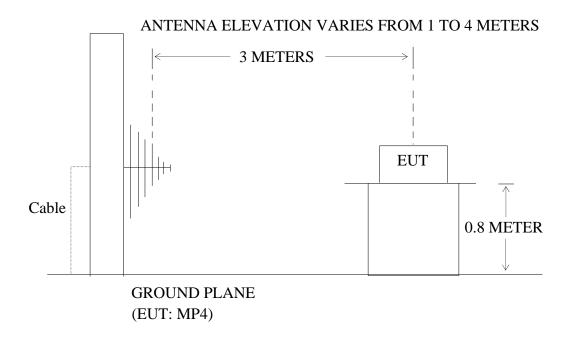


(EUT: MP4)

6.1.1.2.For Transfer data & Charging



6.1.2.Semi-Anechoic Chamber Test Setup Diagram



6.2. The Emission Limit For Section 15.109 (a)

6.2.1.Radiation Emission Measurement Limits According to Section 15.109 (a).

	Lir	nit
Frequency (MHz)	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBµV/m)
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

6.3.EUT Configuration on Measurement

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1.MP4 (EUT)

Model Number : ID1851 Serial Number : N/A

Manufacturer : Shenzhen Natural Sound Electronics Co., Ltd.

6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in (Playing, Transfer data, Recording, Charging) mode measure it.

6.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz

The frequency range from 30MHz to 1000MHz is checked.

6.6. The Emission Measurement Result **PASS.**

Date of Test:October 31, 2012Temperature:25°CEUT:MP4Humidity:50%Model No.:ID1851Power Supply:DC 3.7VTest Mode:PlayingTest Engineer:PEI

Frequency: 30-1000MHz												
Polarization												
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector				
Horizontal	1	105.1667	23.02	13.93	36.95	43.50	-6.55	QP				
	2	231.0398	22.01	16.05	38.06	46.00	-7.94	QP				
	3	349.7411	19.34	20.75	40.09	46.00	-5.91	QP				
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector				
Vertical	1	112.0328	20.21	13.85	34.06	43.50	-9.44	QP				
Vertical	2	221.5010	18.63	15.76	34.39	46.00	-11.61	QP				
	3	342.4453	17.36	20.13	37.49	46.00	-8.51	QP				

Date of Test: October 31, 2012 Temperature: 25°C

EUT: MP4 Humidity: 50%
Model No.: ID1851 Power Supply: DC 5V

Test Mode: Transfer data Test Engineer: PEI

Frequency: 30-1000MHz													
Polarization													
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector					
	1	101.5358	24.01	13.97	37.98	43.50	-5.52	QP					
	2	233.4881	25.63	16.52	42.15	46.00	-3.85	QP					
	3	478.1394	15.98	23.81	39.79	46.00	-6.21	QP					
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector					
Vertical	1	100.4712	15.10	13.97	29.07	43.50	-14.43	QP					
	2	235.1346	20.14	16.82	36.96	46.00	-9.04	QP					
	3	582.1122	15.89	25.44	41.33	46.00	-4.67	QP					

Date of Test: October 31, 2012 Temperature: 25°C

EUT: MP4 Humidity: 50%

Model No.: ID1851 Power Supply: DC 3.7V
Test Mode: Recording Test Engineer: PEI

Frequency: 30-1000MHz												
Polarization												
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector				
	1	289.2986	4.21	18.58	22.79	46.00	-23.21	QP				
	2	427.2918	3.98	23.04	27.02	46.00	-18.98	QP				
	3	552.2269	3.89	25.31	29.20	46.00	-16.80	QP				
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector				
Vertical	1	266.8395	4.32	18.49	22.81	46.00	-23.19	QP				
Voltical	2	359.7114	7.02	21.23	28.25	46.00	-17.75	QP				
	3	741.8155	4.02	27.53	31.55	46.00	-14.45	QP				

Date of Test:October 11, 2012Temperature:25°CEUT:MP4Humidity:50%Model No.:ID1851Power Supply:DC 5VTest Mode:ChargingTest Engineer:PEI

Frequency: 30-	1000M	Hz						
Polarization								
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Horizontal	1	100.8248	25.34	13.97	39.31	43.50	-4.19	QP
	2	236.7927	23.41	16.80	40.21	46.00	-5.79	QP
	3	582.1122	13.69	25.44	39.13	46.00	-6.87	QP
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Vertical	1	117.6815	13.51	13.68	27.19	43.50	-16.31	QP
	2	240.1442	22.35	16.77	39.12	46.00	-6.88	QP
	3	582.1122	15.87	25.44	41.31	46.00	-4.69	QP

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

3. The spectral diagrams are attached as below display the measurement of peak values.



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #451

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

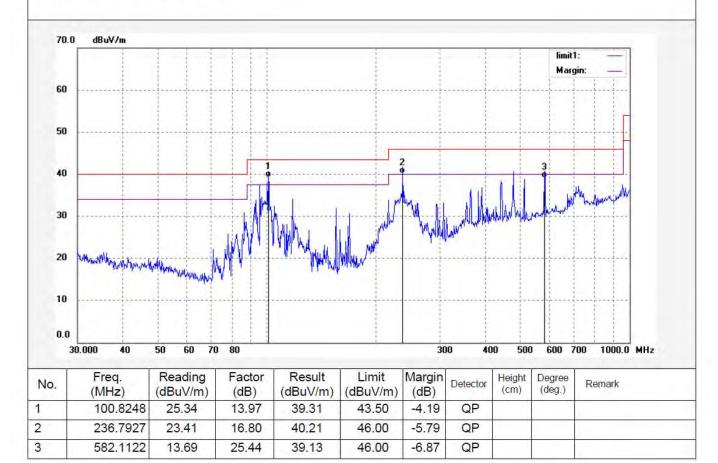
EUT: MP4
Mode: Charging
Model: ID1851

Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Horizontal Power Source: USB 5V

Date: 2012/10/31 Time: 21:04:18 Engineer Signature: Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #452

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: MP4
Mode: Charging
Model: ID1851

Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Vertical

Power Source: USB 5V Date: 2012/10/31 Time: 21:05:30 Engineer Signature:

Distance: 3m

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	0.000 40	50 60 70								
3	0.000 40 Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
3	Freq.	Reading	Factor				Detector		Degree (deg.)	Remark
0.0	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector		Degree (deg.)	Remark



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #454

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: MP4

Mode: Transfer data

Model: ID1851

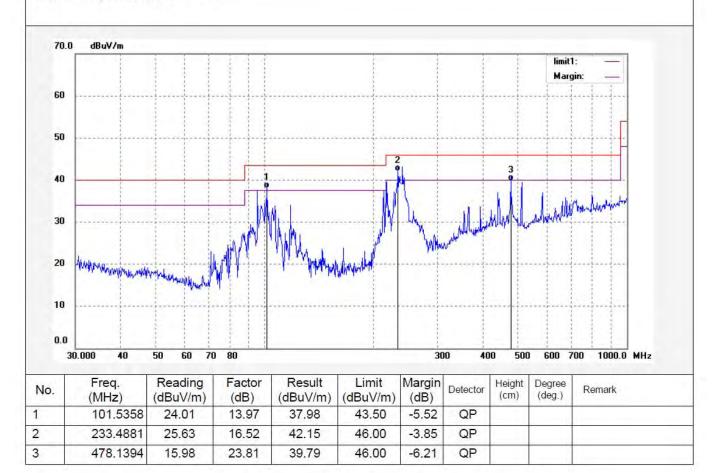
Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Horizontal

Power Source: USB 5V

Date: 2012/10/31 Time: 21:07:49 Engineer Signature: Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #453

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: MP4

Mode: Transfer data

Model: ID1851

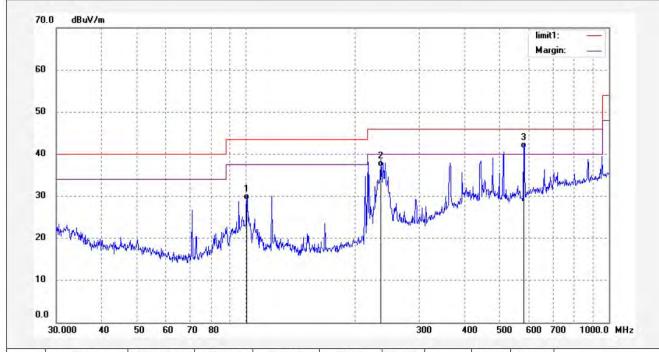
Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Vertical

Power Source: USB 5V Date: 2012/10/31

Time: 21:06:30
Engineer Signature:
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	100.4712	15.10	13.97	29.07	43.50	-14.43	QP				
2	235.1346	20.14	16.82	36.96	46.00	-9.04	QP				
3	582.1122	15.89	25.44	41.33	46.00	-4.67	QP				



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #455

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

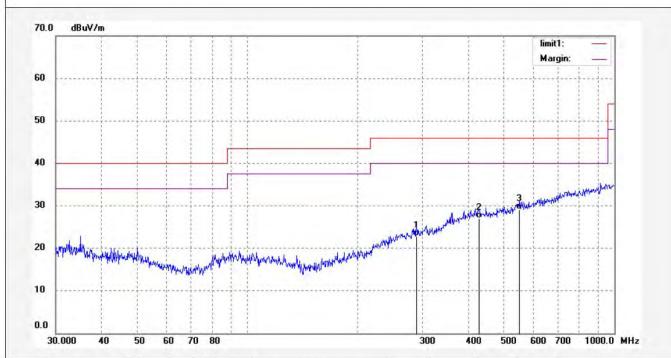
EUT: MP4
Mode: Recording
Model: ID1851

Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Horizontal Power Source: DC 3.7V

Date: 2012/10/31 Time: 21:09:31 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	289.2986	4.21	18.58	22.79	46.00	-23.21	QP			1	
2	427.2918	3.98	23.04	27.02	46.00	-18.98	QP				
3	552.2269	3.89	25.31	29.20	46.00	-16.80	QP				



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #456

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: MP4
Mode: Recording
Model: ID1851

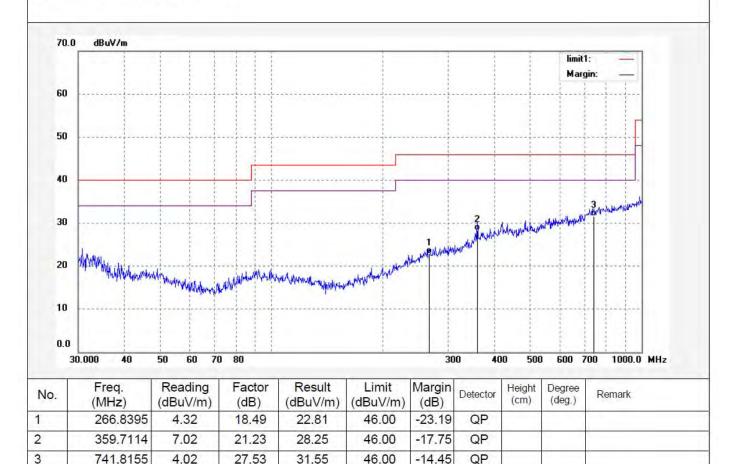
Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Vertical Power Source: DC 3.7V

Date: 2012/10/31
Time: 21:10:18
Engineer Signature:

Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #457

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

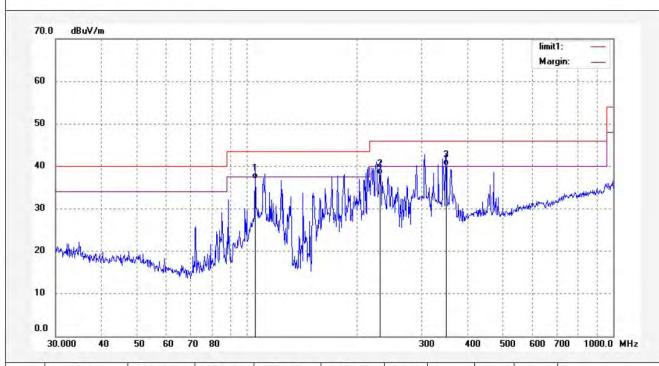
EUT: MP4
Mode: Playing
Model: ID1851

Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Horizontal Power Source: DC 3.7V

Date: 2012/10/31 Time: 21:13:39 Engineer Signature: Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #458

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

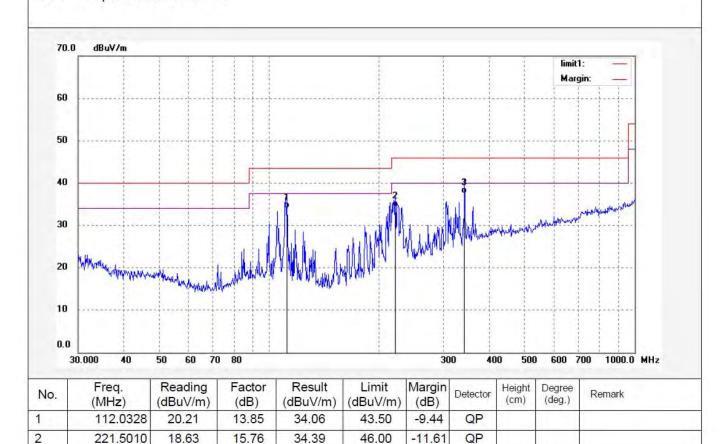
EUT: MP4 Mode: Playing Model: ID1851

Manufacturer: Natural Sound

Note: Report No:ATE20122474

Polarization: Vertical Power Source: DC 3.7V

Date: 2012/10/31 Time: 21:15:33 Engineer Signature: Distance: 3m



46.00

-8.51

QP

37.49

20.13

3

342.4453

17.36