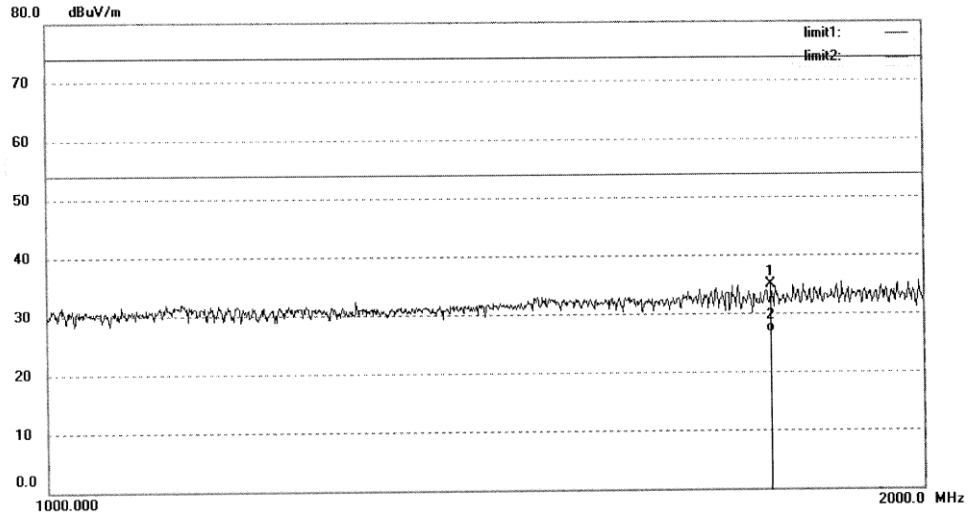
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1957
Standard: FCC
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: FM 88.1MHz
Model: iF355BT
Manufacturer: EDIFIER

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/03/20/
Time: 10/46/20
Engineer Signature: Alen
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1773.566	45.10	-10.25	34.85	74.00	-39.15	peak			
2	1773.566	36.87	-10.25	26.62	54.00	-27.38	AVG			

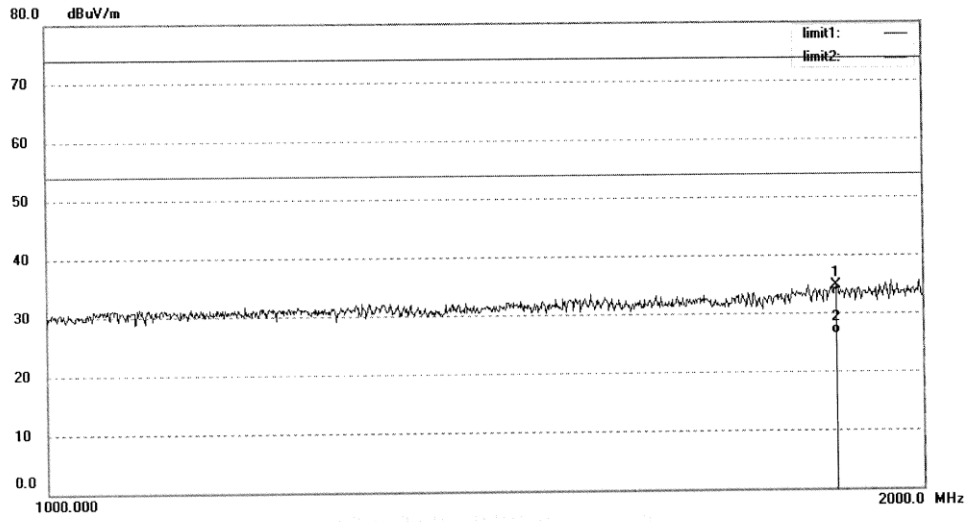
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1959
Standard: FCC
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: FM 98.1MHz
Model: iF355BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/03/20/
Time: 11/05/59
Engineer Signature: Alen
Distance: 3m

Note:



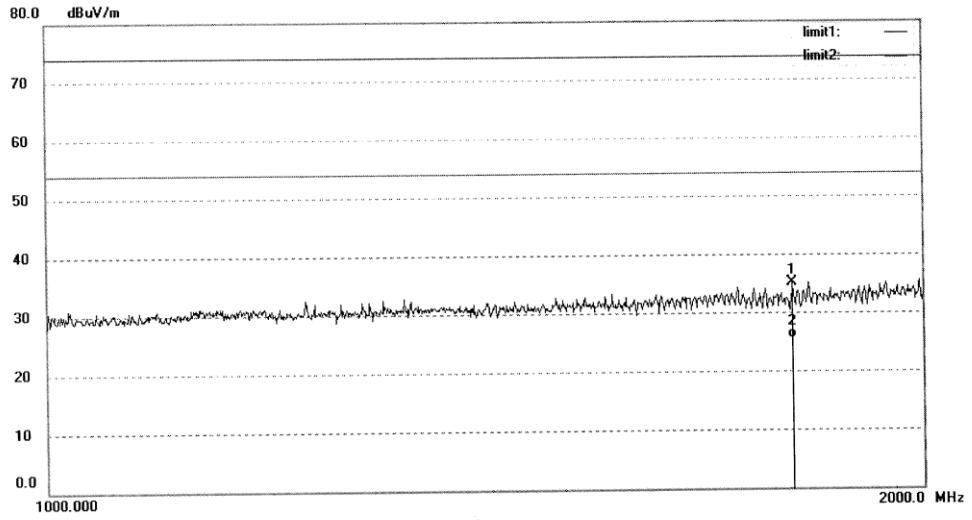
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1868.400	44.36	-9.60	34.76	74.00	-39.24	peak			
2	1868.400	35.87	-9.60	26.27	54.00	-27.73	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1958
Standard: FCC
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: FM 98.1MHz
Model: iF355BT
Manufacturer: EDIFIER

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/03/20/
Time: 10/57/23
Engineer Signature: Alen
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1804.630	45.12	-9.99	35.13	74.00	-38.87	peak			
2	1804.630	35.54	-9.99	25.55	54.00	-28.45	AVG			

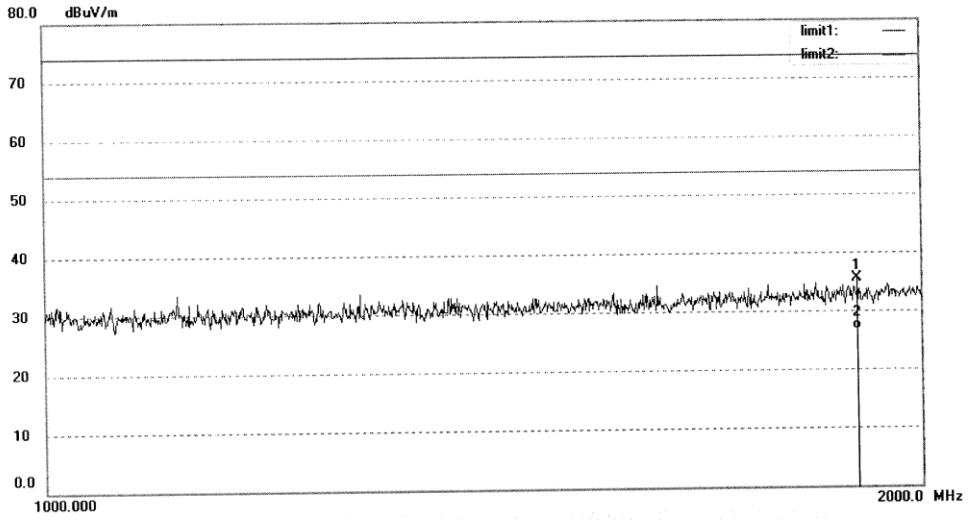
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1961
Standard: FCC
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: FM 107.9MHz
Model: iF355BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/03/20/
Time: 11/24/36
Engineer Signature: Alen
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1902.446	45.21	-9.70	35.51	74.00	-38.49	peak			
2	1902.446	36.35	-9.70	26.65	54.00	-27.35	AVG			

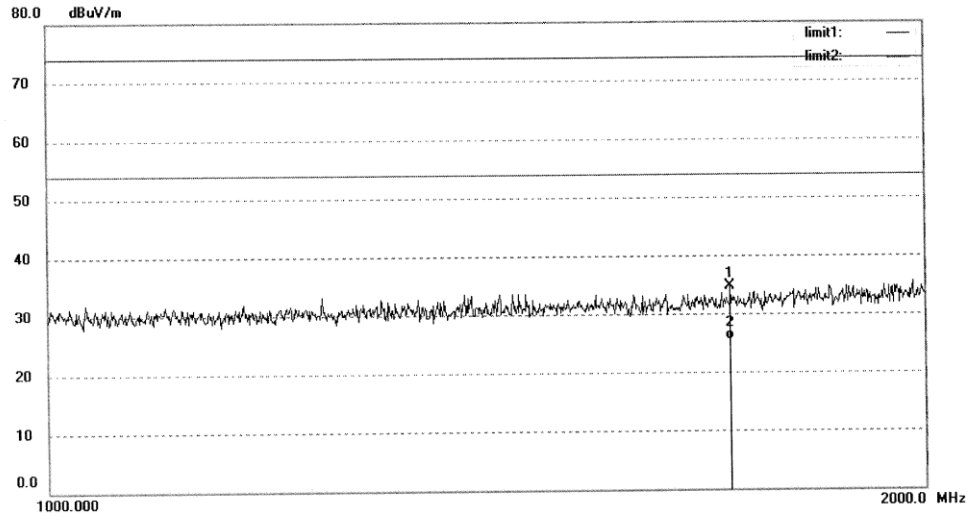
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1960
Standard: FCC
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: FM 107.9MHz
Model: iF355BT
Manufacturer: EDIFIER

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/03/20/
Time: 11/14/05
Engineer Signature: Alen
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1715.414	45.06	-10.32	34.74	74.00	-39.26	peak			
2	1715.414	35.89	-10.32	25.57	54.00	-28.43	AVG			

5.1.10 Conducted emissions

RESULT: **Pass**

Date of testing	:	2014-02-21
Test standard	:	FCC Part 15.107 FCC Part 15.207 RSS-210 Clause 2.6
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a) FCC Part 15.207(a) Table 4 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	25℃
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Conducted emissions

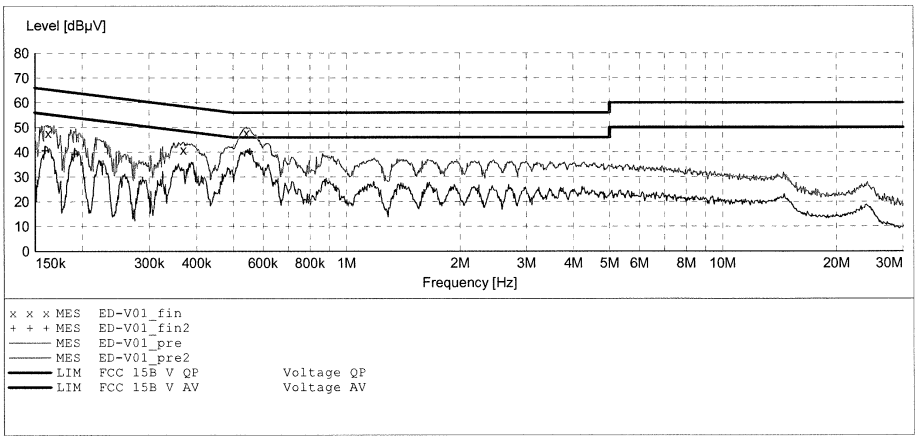
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Multimedia Speaker M/N:iF355BT
Manufacturer:         EDIFIER
Operating Condition:  BT
Test Site:            1#Shielding Room
Operator:             ALEN
Test Specification:   L 120V/60Hz
Comment:              Mains Port
Start of Test:        2/21/2014 / 8:11:24AM
```

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

```
Short Description:          _SUB_STD_VTERM2 1.70
Start      Stop       Step      Detector  Meas.     IF      Transducer
Frequency  Frequency  Width               Time      Bandw.
150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz   NSLK8126 2008
                                Average
```



MEASUREMENT RESULT: "ED-V01_fin"

2/21/2014 8:19AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162467	47.70	10.5	65	17.6	QP	L1	GND
0.368279	41.00	10.7	59	17.5	QP	L1	GND
0.542434	47.80	10.7	56	8.2	QP	L1	GND

MEASUREMENT RESULT: "ED-V01_fin2"

2/21/2014 8:19AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159256	40.50	10.5	56	15.0	AV	L1	GND
0.190596	39.10	10.5	54	14.9	AV	L1	GND
0.553370	40.10	10.7	46	5.9	AV	L1	GND

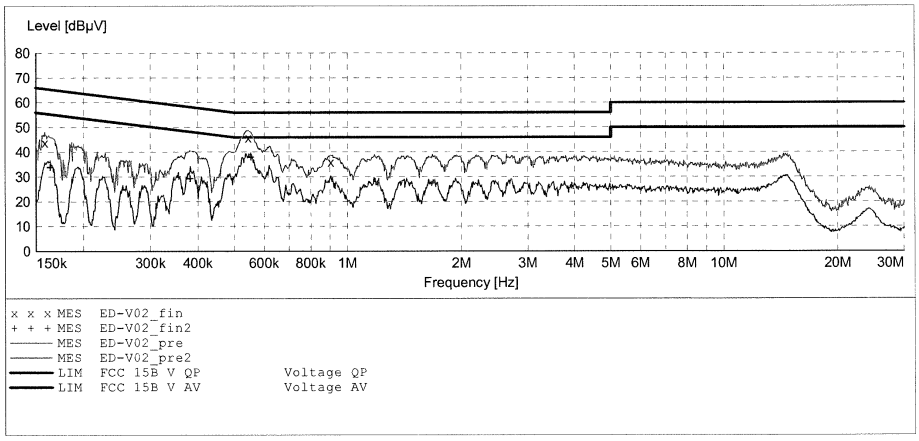
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Multimedia Speaker M/N:iF355BT
Manufacturer:         EDIFIER
Operating Condition:  BT
Test Site:            1#Shielding Room
Operator:             ALEN
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        2/21/2014 / 8:20:43AM
```

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

```
  Short Description:            _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "ED-V02_fin"

2/21/2014 8:28AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.157990	43.80	10.5	66	21.8	QP	N	GND
0.544604	45.80	10.7	56	10.2	QP	N	GND
0.904195	36.00	10.8	56	20.0	QP	N	GND

MEASUREMENT RESULT: "ED-V02_fin2"

2/21/2014 8:28AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.163117	33.80	10.5	55	21.5	AV	N	GND
0.381751	29.20	10.7	48	19.0	AV	N	GND
0.553370	37.90	10.7	46	8.1	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

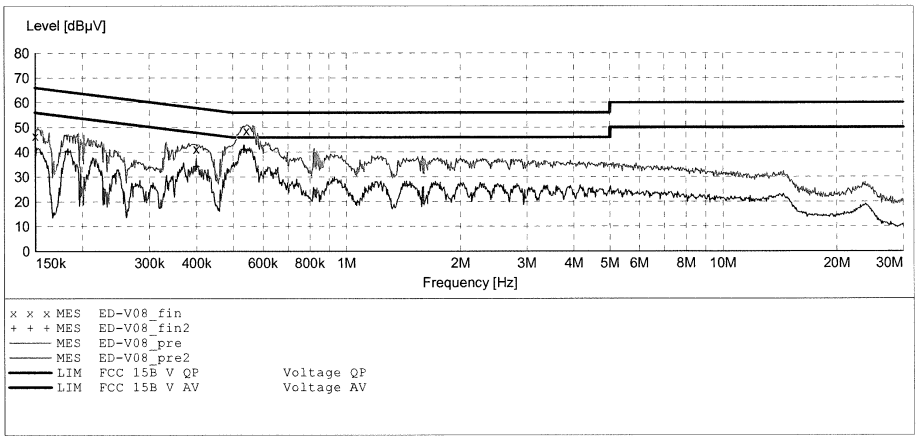
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Multimedia Speaker M/N:iF355BT
Manufacturer: EDIFIER
Operating Condition: Aux in
Test Site: 1#Shielding Room
Operator: ALEN
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 2/21/2014 / 9:15:23AM

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

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "ED-V08_fin"

2/21/2014 9:24AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	46.60	10.5	66	19.4	QP	L1	GND
0.398888	41.30	10.7	58	16.6	QP	L1	GND
0.542434	48.70	10.7	56	7.3	QP	L1	GND

MEASUREMENT RESULT: "ED-V08_fin2"

2/21/2014 9:24AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.182408	40.10	10.5	54	14.3	AV	L1	GND
0.398888	34.10	10.7	48	13.8	AV	L1	GND
0.533841	41.00	10.7	46	5.0	AV	L1	GND

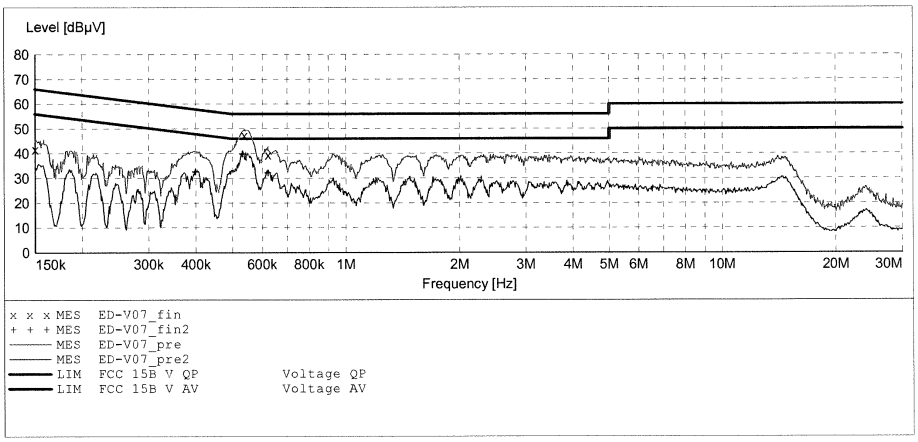
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Multimedia Speaker M/N:iF355BT
Manufacturer:         EDIFIER
Operating Condition:  Aux in
Test Site:            1#Shielding Room
Operator:             ALEN
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        2/21/2014 / 9:06:26AM
```

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

```
  Short Description:            _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "ED-V07_fin"

2/21/2014 9:14AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	41.70	10.5	66	24.3	QP	N	GND
0.538120	47.30	10.7	56	8.7	QP	N	GND
0.621288	39.40	10.8	56	16.6	QP	N	GND

MEASUREMENT RESULT: "ED-V07_fin2"

2/21/2014 9:14AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.398888	32.50	10.7	48	15.4	AV	N	GND
0.531714	39.80	10.7	46	6.2	AV	N	GND
0.621288	32.10	10.8	46	13.9	AV	N	GND

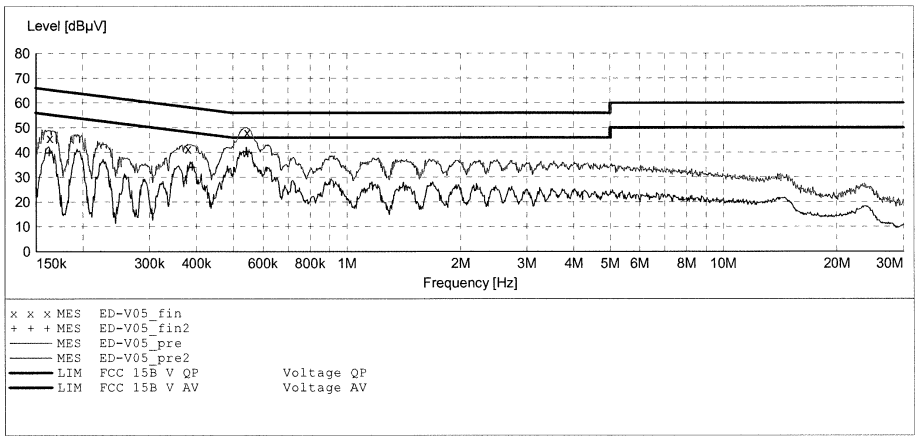
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Multimedia Speaker M/N:iF355BT
Manufacturer:         EDIFIER
Operating Condition:  SD Playing
Test Site:            1#Shielding Room
Operator:             ALEN
Test Specification:   L 120V/60Hz
Comment:              Mains Port
Start of Test:        2/21/2014 / 8:47:06AM
```

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

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "ED-V05_fin"

2/21/2014 8:55AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.163117	45.80	10.5	65	19.5	QP	L1	GND
0.380230	41.40	10.7	58	16.9	QP	L1	GND
0.544604	48.10	10.7	56	7.9	QP	L1	GND

MEASUREMENT RESULT: "ED-V05_fin2"

2/21/2014 8:55AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162467	39.80	10.5	55	15.5	AV	L1	GND
0.389447	33.90	10.7	48	14.2	AV	L1	GND
0.542434	40.10	10.7	46	5.9	AV	L1	GND

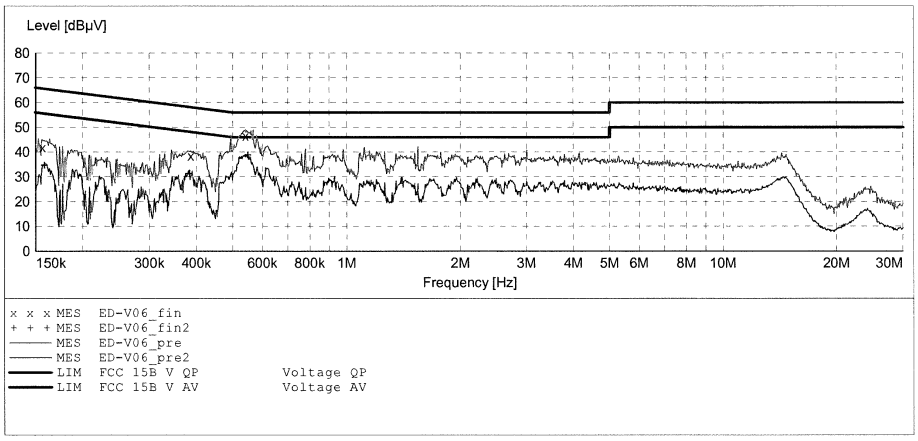
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Multimedia Speaker M/N:iF355BT
Manufacturer:         EDIFIER
Operating Condition:  SD Playing
Test Site:            1#Shielding Room
Operator:             ALEN
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        2/21/2014 / 8:56:04AM
```

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

```
  Short Description:            _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "ED-V06_fin"

2/21/2014 9:05AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.156109	41.80	10.5	66	23.9	QP	N	GND
0.386350	38.50	10.7	58	19.6	QP	N	GND
0.540273	46.50	10.7	56	9.5	QP	N	GND

MEASUREMENT RESULT: "ED-V06_fin2"

2/21/2014 9:05AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.157990	34.60	10.5	56	21.0	AV	N	GND
0.383278	31.20	10.7	48	17.0	AV	N	GND
0.548969	38.80	10.7	46	7.2	AV	N	GND

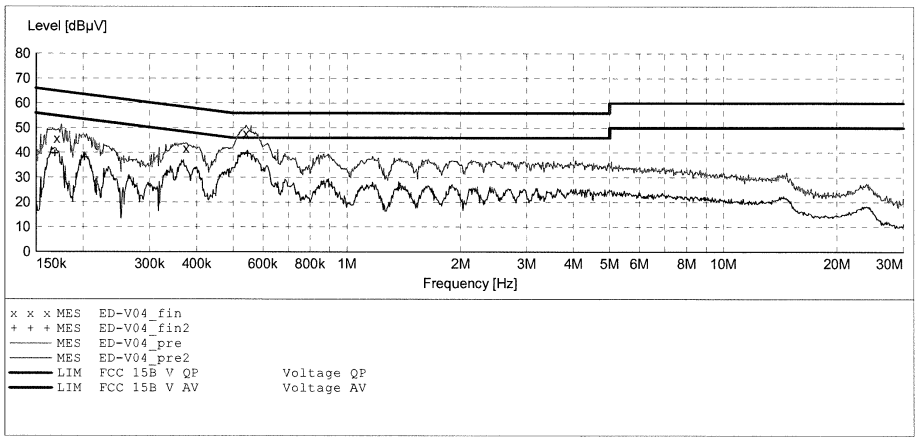
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Multimedia Speaker M/N:iF355BT
Manufacturer:         EDIFIER
Operating Condition:  Radio FM
Test Site:            1#Shielding Room
Operator:             ALEN
Test Specification:   L 120V/60Hz
Comment:              Mains Port
Start of Test:        2/21/2014 / 8:38:05AM
```

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

```
  Short Description:           _SUB_STD_VTERM2 1.70
  Start      Stop       Step       Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width                Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                   Average
```



MEASUREMENT RESULT: "ED-V04_fin"

2/21/2014 8:46AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.169760	45.70	10.5	65	19.3	QP	L1	GND
0.374207	41.70	10.7	58	16.7	QP	L1	GND
0.540273	47.80	10.7	56	8.2	QP	L1	GND

MEASUREMENT RESULT: "ED-V04_fin2"

2/21/2014 8:46AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.167739	39.70	10.5	55	15.4	AV	L1	GND
0.201551	38.00	10.5	54	15.5	AV	L1	GND
0.544604	39.50	10.7	46	6.5	AV	L1	GND

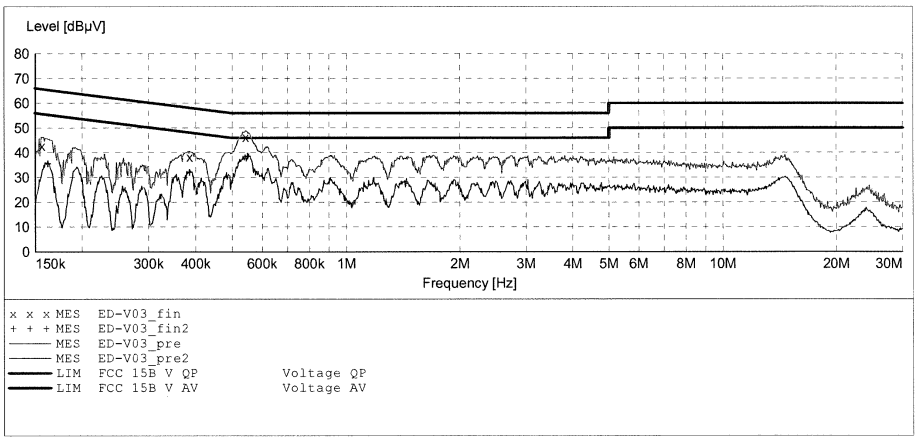
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                 Multimedia Speaker M/N:iF355BT
Manufacturer:        EDIFIER
Operating Condition: Radio FM
Test Site:           1#Shielding Room
Operator:            ALEN
Test Specification:  N 120V/60Hz
Comment:             Mains Port
Start of Test:       2/21/2014 / 8:29:17AM
```

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

```
  Short Description:            _SUB_STD_VTERM2 1.70
  Start      Stop       Step       Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width                Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                   Average
```



MEASUREMENT RESULT: "ED-V03_fin"

2/21/2014 8:37AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.156109	42.70	10.5	66	23.0	QP	N	GND
0.384811	38.20	10.7	58	20.0	QP	N	GND
0.542434	46.30	10.7	56	9.7	QP	N	GND

MEASUREMENT RESULT: "ED-V03_fin2"

2/21/2014 8:37AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.161820	35.50	10.5	55	19.9	AV	N	GND
0.384811	32.00	10.7	48	16.2	AV	N	GND
0.548969	38.50	10.7	46	7.5	AV	N	GND

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test standard : RSS-102 Issue 4 March 2010
FCC KDB Publication 447498 D01 v05r01

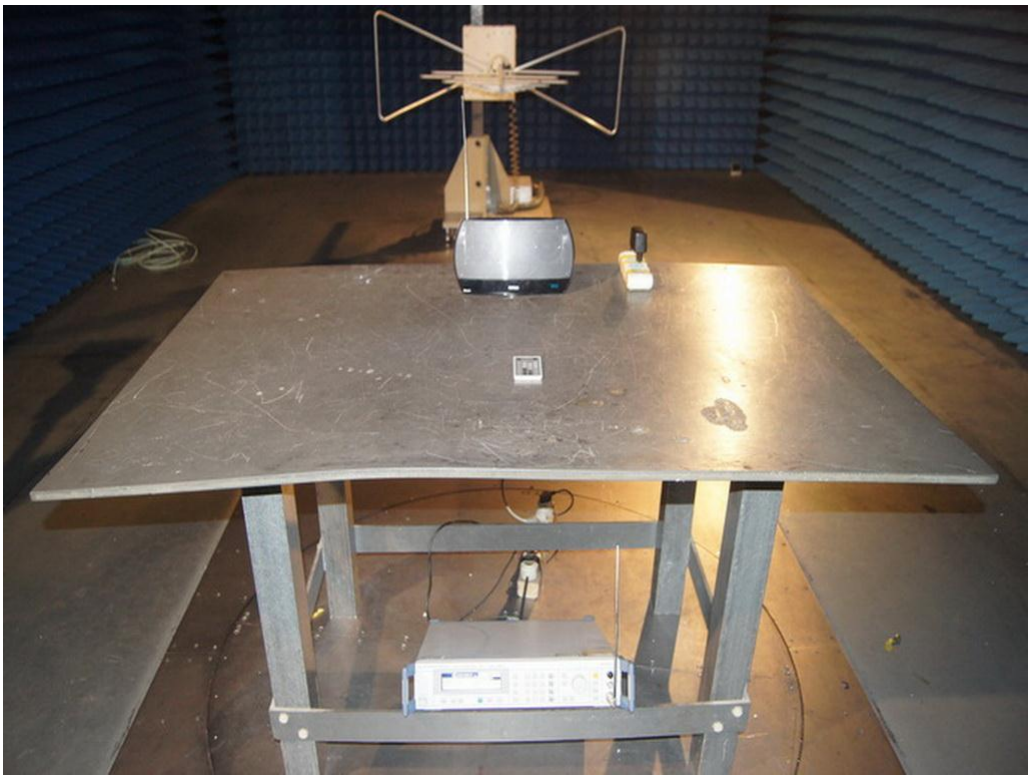
The maximum peak output power of the transmitter is 1.62mW (2.09dBm) only, which less than 20mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4.

Since maximum peak output power of the transmitter is 1.62mW<96mW, and the distance from EUT to human is >50mm, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v05r01.

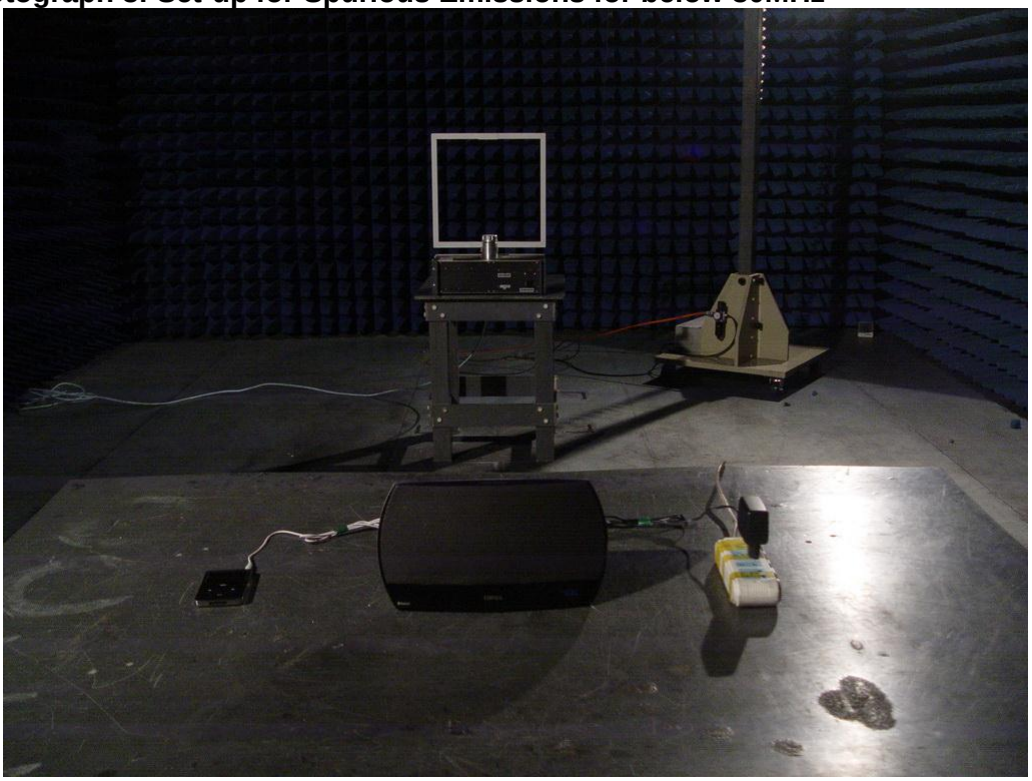
7. Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Emissions

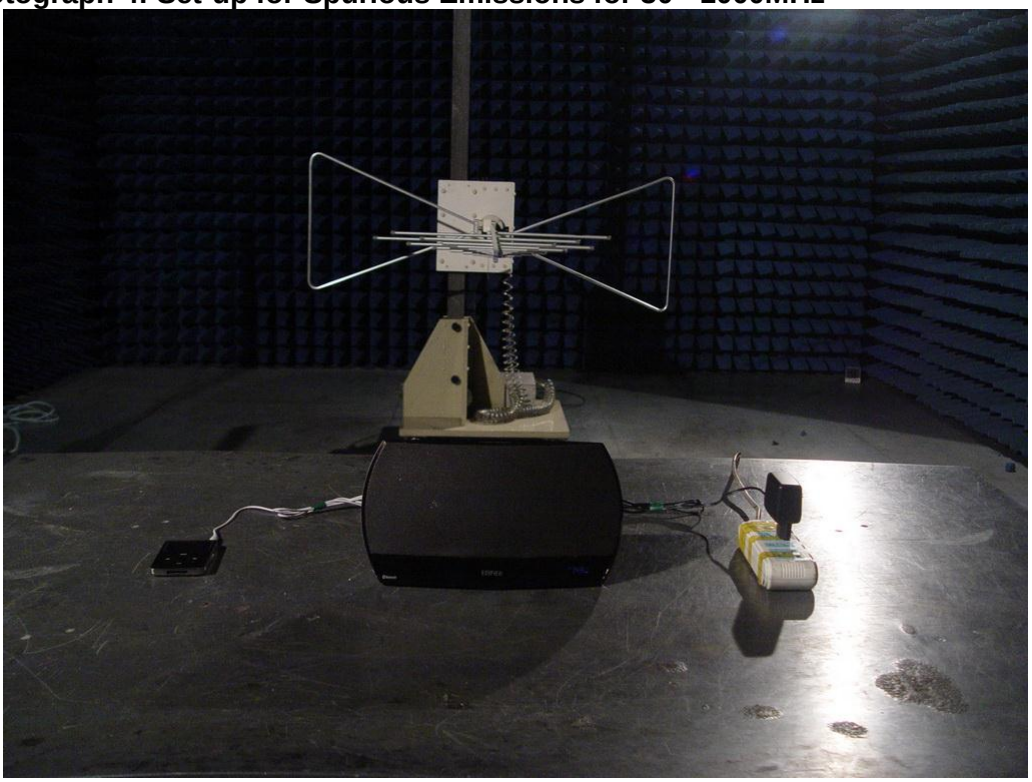
Photograph 2: Set-up for Radiated Emissions



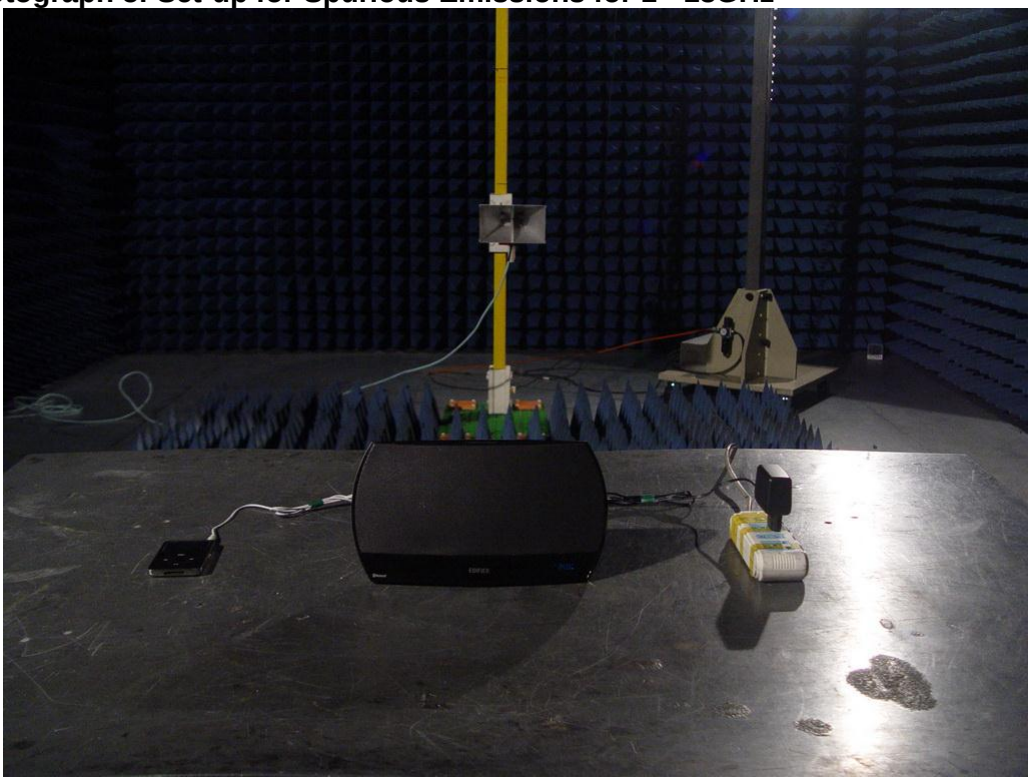
Photograph 3: Set-up for Spurious Emissions for below 30MHz



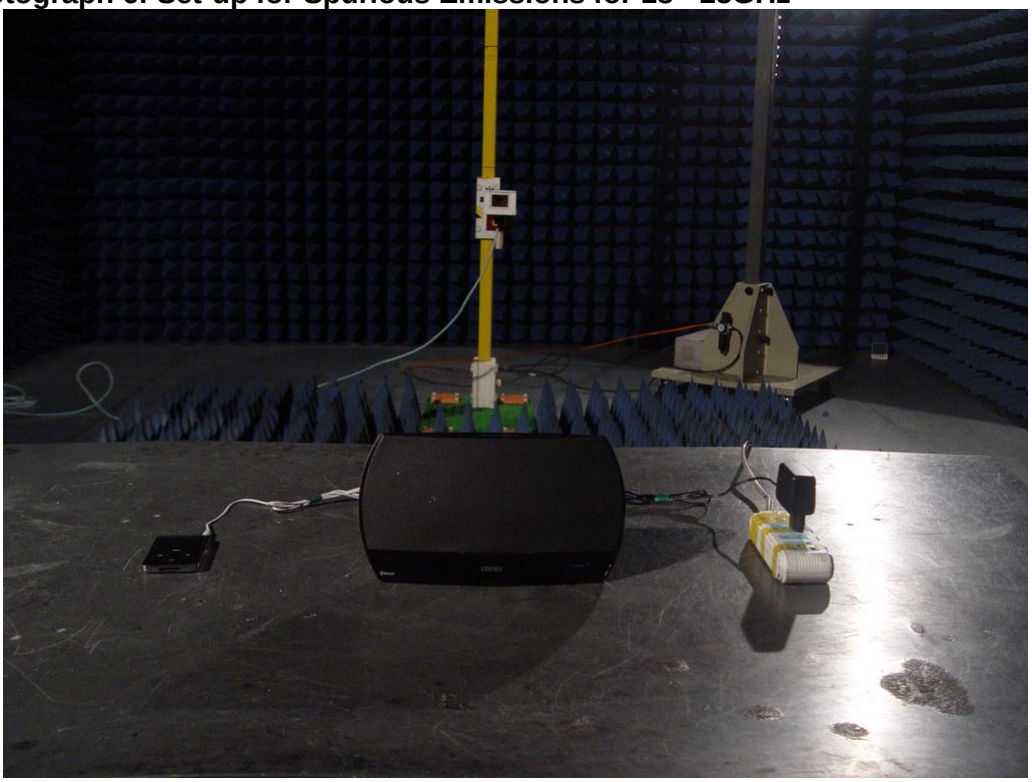
Photograph 4: Set-up for Spurious Emissions for 30 - 1000MHz



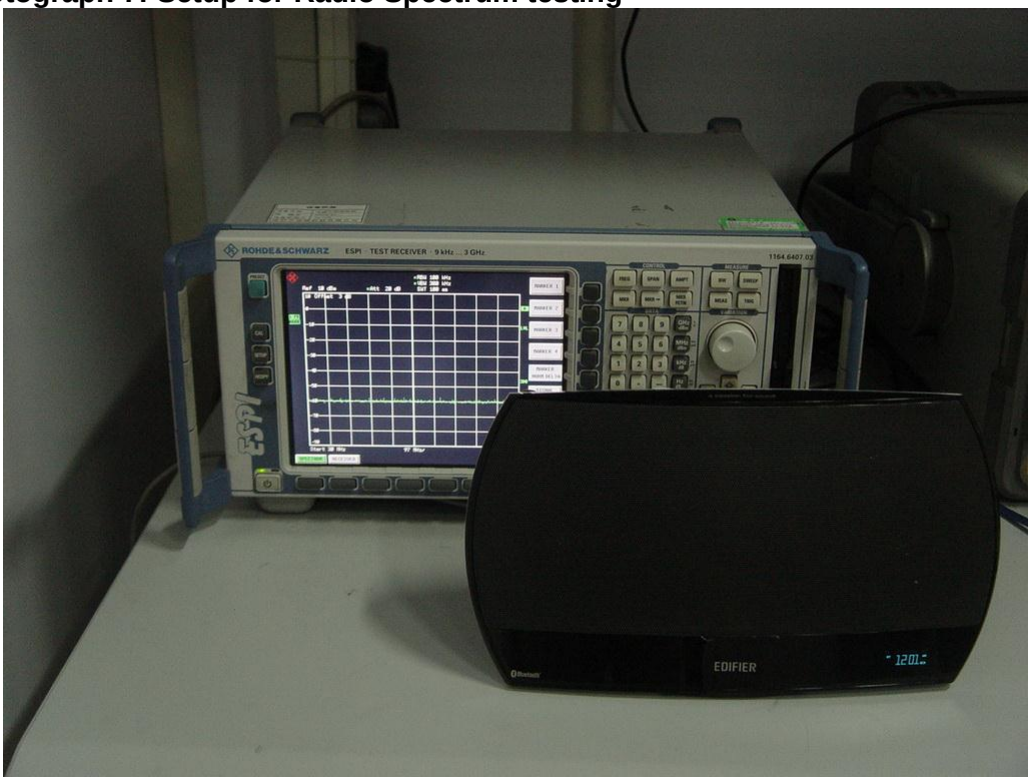
Photograph 5: Set-up for Spurious Emissions for 1 - 18GHz



Photograph 6: Set-up for Spurious Emissions for 18 - 25GHz



Photograph 7: Setup for Radio Spectrum testing



8. List of Tables

9. List of Photographs