

Report No: SZ111111B02-EF

# FCC 47 CFR PART 15 SUBPART B TEST REPORT

for

Wireless 900MHz Transmitter

Mode: SP3790A, SP3790B, AWS53, AWS5

**Brand: Acoustic Research** 

Test Report Number: SZ111111B02-EF

Issued for

Uni-Art Precise Products Ltd
11-12/F, Yue Xiu Industrial Building, 87 Hung To Road, Kowloon,
Hong Kong

Issued By:

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Issued Date: November 16, 2011







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FCC ID: MVASP3792A-001R

## **Revision History**

Rev.	Issue No	Revisions	Effect Page	Revised By
00	SZ111111B02-EF	Initial Issue	ALL	Ziva Zhang

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## TEST RESULT CERTIFICATION

Product:	Wireless 900MHz Transmitter
Model:	SP3790A, SP3790B, AWS53, AWS5
Brand:	Acoustic Research
Applicant:	Uni-Art Precise Products Ltd 11-12/F, Yue Xiu Industrial Building, 87 Hung To Road, Kowloon, Hong Kong
Manufacturer:	Uni-Art Precise Products Ltd 11-12/F, Yue Xiu Industrial Building, 87 Hung To Road, Kowloon, Hong Kong
Tested:	November 14~16, 2011
Test Voltage:	AC120V/60Hz

EMISSION				
Standard	ltem	Result	Remarks	
FCC 47 CFR Part 15 Subpart B	Conducted (Power Port)	PASS	Meet Class B limit	
ANSI C63.4: 2009	Radiated	PASS	Meet Class B limit	

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.

2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard	
None	

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Reviewed by:

**Ethan Huang** 

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**Compliance Certification Service Inc.** 

Aven Zhou

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sen thou

**Compliance Certification Service Inc.** 

## **2 EUT DESCRIPTION**

Product	Wireless 900MHz Transmitter
Model	SP3790A, SP3790B, AWS53, AWS5
Brand	Acoustic Research
Applicant	Uni-Art Precise Products Ltd
Housing material	Plastic
EUT Type	☐ Engineering Sample, ☐ Product Sample, ☐ Mass Product Sample.
Serial Number	SZ111111B02-EF
EUT Power Rating	DC9V supplied by the adapter or batteries
Adapter Manufacturer/ Model No.	SIL POWER SUPPLY / SSA-12W-09 US 090120F Input: AC100-240V, 50/60Hz, 0.5A Output: DC9.0V, 1.2A DC output cable: Unshielded, 1.7m
Received Date	November 11, 2011
EUT Max. Operating Frequency	900MHz

## I/O Port EUT

	I/O PORT TYPES	Q'TY	TESTED WITH	
1).	DC In Port	1	1	
2).	Audio In Port	1	1	

## **Model Difference**

Model Name	Difference	Tested (Checked)
SP3790A	<ol> <li>The two transmitters are identical except the external colour is different.</li> <li>The model SP3790A and AWS53 are identical,</li> </ol>	
SP3790B	except the mode names are different for the market purpose; the model SP3790B and	
AWS53	AWS5 are identical, except the mode names are different for the market purpose.	
AWS5	3. The model SP3790A has audio in port, but the model SP3790B has no audio in port.	

## 3 TEST METHODOLOGY

## 3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the above additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

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Pre-Test Mo	Pre-Test Mode			
	Conducted	Mode 1: Normal Link		
	Emission Mode 2: Audio In			
Emission	Radiated	Mode 1: Normal Link with adapter		
LITHOGICIT	Emission	Mode 2: Audio In with adapter		
		Mode 3: Normal Link with Batteries		
		Mode 4: Audio In with Batteries		

After the preliminary scan, the following test mode was found to produce the highest emission level.

Final Test M	Final Test Mode		
Emission	Conducted Emission	Mode 1	
EIIIISSIOII	Radiated Emission	Mode 1	

Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

## 3.2. EUT SYSTEM OPERATION

- 1 Setup the EUT and simulators as shown on 4.2.
- 2 Turn on the power of all equipment.
- 3 Run the program to test.

**Note:** Test program is self-repeating throughout the test.

## 4 SETUP OF EQUIPMENT UNDER TEST

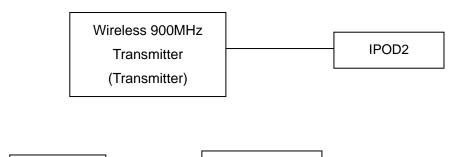
## 4.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model No.	Serial No.	FCC ID	Brand	Data Cable	Power Cord
1	IPOD1	A1285	YM908BY U3QX	N/A	IPOD	Shielded 2.00m	N/A
2.	IPOD2	A1285	YM913G7 M3QS	N/A	IPOD	N/A	N/A
3	Wireless 900MHz Transmitter (Transmitter)	AW850	N/A	MVASP3791 -001T	Acoustic Research	Unshielded 1.90m (Audio In Cable)	Unshielded 1.80m

**Note:** Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

## 4.2. CONFIGURATION OF SYSTEM UNDER TEST



**EUT** 

IPOD1

## 5 FACILITIES AND ACCREDITATIONS

#### 5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at No.81-1, Lane 210, Bade 2nd Rd., Lujhu Township, Taoyuan County 33841, Taiwan(R.O.C.)

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.

#### 5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Taiwan TAF USA A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	Industry Canada
Norway	Nemko
Japan	VCCI
Taiwan	BSMI
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, <a href="http://www.ccsrf.com">http://www.ccsrf.com</a>

#### 5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions	9kHz~30MHz	+/- 3.18dB
	30MHz ~ 200MHz	+/- 3.79dB
Radiated emissions	200MHz ~1000MHz	+/- 3.62dB
	Above 1000MHz	+/- 5.04dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than  $U_{CISPR}$  which is 3.6dB and 5.2dB respectively. CCS values (called  $U_{Lab}$  in CISPR 16-4-2) is less than  $U_{CISPR}$  as shown in the table above. Therefore, MU need not be considered for compliance.

## 6 CONDUCTED EMISSION MEASUREMENT

## 6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A	A (dBuV)	Class B (dBuV)		
FREQUENCT (MHZ)	Quasi-peak	Average	Quasi-peak	Average	
0.15 - 0.5	79	66	66 - 56	56 - 46	
0.50 - 5.0	73	60	56	46	
5.0 - 30.0	73	60	60	50	

#### NOTE:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
- (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

## 6.2. TEST INSTRUMENTS

	Conducted Emission Test Site									
Name of Equipment	Manufacturer	Manufacturer Model Number Serial Number Cal								
ESCI EMI TEST RECEIVE.ESCI	ROHDE&SCHWARZ	ESCI	100783	03/19/2011	03/19/2012					
LISN	SCHAFFNER	NNB42	2001/001	05/26/2011	05/26/2012					
LISN	EMCO	3825/2	8901-1459	03/19/2011	03/19/2012					
Temp. / Humidity Meter	VICTOR	VC230	N/A	03/31/2011	03/31/2012					
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE								

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.

## **6.3. TEST PROCEDURES** (please refer to measurement standard or CCS SOP PA-031)

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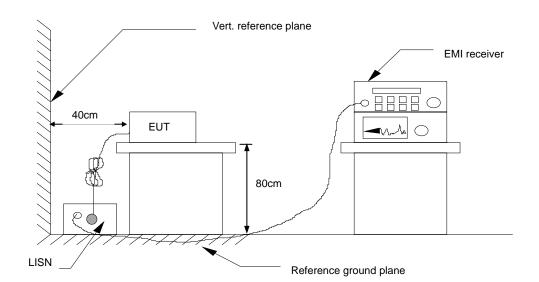
## **Procedure of Preliminary Test**

- The EUT and support equipment, if needed, were set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT received DC9V power from the adapter, and the adapter received AC120V/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- The test program of the EUT was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

#### **Procedure of Final Test**

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.

6.4. TEST SETUP



 For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

## 6.5. DATA SAMPLE

Frequency (MHz)		Average Reading (dBuV)		QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Margin	Remark (Pass/Fail)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	Pass

Factor = Insertion loss of LISN + Cable Loss

Result = Quasi-peak Reading/ Average Reading + Factor

Limit = Limit stated in standard Margin = Result (dBuV) – Limit (dBuV)

## 6.6. TEST RESULTS

Model No.	SP3790A	RBW,VBW	9 kHz
Environmental Conditions	22deg°C, 45% RH	Test Mode	Mode 1
Tested by	Sunday Hu	Line	L1

(The chart below shows the highest readings taken from the final data.)

Frequency		•			•	QuasiPeak	•		•	Remark
(MHz)	Reading (dBuV)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Result (dBuV)	Limit (dBuV)	Limit (dBuV)	Margin (dB)	Margin (dB)	(Pass/Fail)
0.1539	38.79	19.96	11.52	50.31	31.48	65.78	55.79	-15.47	-24.31	Pass
0.2140	33.84	15.32	11.52	45.36	26.84	63.04	53.05	-17.68	-26.21	Pass
0.4380	28.64	6.93	11.51	40.15	18.44	57.10	47.10	-16.95	-28.66	Pass
2.7380	25.66	7.27	11.59	37.25	18.86	56.00	46.00	-18.75	-27.14	Pass
3.8100	24.80	11.60	11.63	36.43	23.23	56.00	46.00	-19.57	-22.77	Pass
12.4300	17.35	5.21	12.18	29.53	17.39	60.00	50.00	-30.47	-32.61	Pass

**NOTE:** L1 = Line One (Live Line)

Model No.	SP3790A	RBW,VBW	9 kHz
Environmental Conditions	22deg°C, 45% RH	Test Mode	Mode 1
Tested by	Sunday Hu	Line	L2

(The chart below shows the highest readings taken from the final data.)

Frequency	QuasiPeak Reading	Average Reading	Correction Factor	QuasiPeak Result	Average Result	QuasiPeak Limit	Average Limit	QuasiPeak Margin	Average Margin	Remark
(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	(Pass/Fail)
0.1539	33.57	14.29	11.52	45.09	25.81	65.78	55.79	-20.69	-29.98	Pass
0.3140	26.24	10.39	11.52	37.76	21.91	59.86	49.86	-22.10	-27.95	Pass
1.2579	23.75	9.24	11.53	35.28	20.77	56.00	46.00	-20.72	-25.23	Pass
3.3540	26.84	11.60	11.61	38.45	23.21	56.00	46.00	-17.55	-22.79	Pass
4.4220	26.79	9.17	11.65	38.44	20.82	56.00	46.00	-17.56	-25.18	Pass
16.7740	19.73	7.99	12.38	32.11	20.37	60.00	50.00	-27.89	-29.63	Pass

**NOTE:** L2 = Line Two (Neutral Line).

## 7 RADIATED EMISSION MEASUREMENT

## 7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

#### **Below 1GHz**

FREQUENCY (MHz)	dBuV/m (At 10m)	dBuV/m (At 3m)
	Class A	Class B
30 ~ 88	39.00	40.00
88 ~ 216	43.50	43.50
216 ~ 960	46.00	46.00
960 ~ 1000	49.50	54.00

**NOTE**: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

#### **Above 1GHz**

Frequency	Class A (d	dBuV/m)	Class B (dBuV/m)		
(MHZ)	Average	Peak	Average	Peak	
Above 1000	60	80	54	74	

Notes: (1) The lower limit shall apply at the transition frequencies.

(2)Emission level (dBuV/m) = 20 log Emission level (uV/m).

(3)All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

## 7.2. TEST INSTRUMENTS

#### **Below 1GHz**

	Radiated Emission Test Site 966(1)									
Name of Equipment Manufacturer Model Number Serial Last Number Calibration Ca										
Amplifier	Mini-Circuits	ZFL-1000LN	SF696200343	03/18/2011	03/18/2012					
Antenna	EMCO	3142B	9910-11436	03/19/2011	03/19/2012					
Turn Table	EMCO	2081-1.21	N/A	N.C.R	N.C.R					
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	N/A	08/02/2011	08/02/2012					
Test S/W	FARAD	EZ-EMC/ CCS-03A1								

#### **Above 1GHz**

	Radiated Emission Test Site 966 (2)									
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration					
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2011	03/19/2012					
Amplifier	MITEQ	AM-1604-3000	1411843	03/18/2011	03/18/2012					
Turn Table	EMCO	2081-1.21	N/A	N.C.R	N.C.R					
Controller	СТ	N/A	N/A	N.C.R	N.C.R					
High Noise Amplifier	Agilent	8449B	3008A01838	03/18/2011	03/18/2012					
Bilog Antenna	SCHAFFNER	CBL6143	5082	06/03/2011	06/03/2012					
Horn Antenna	SCHWARZBECK	BBHA9120D	D286	03/19/2011	03/19/2012					
Loop Antenna	A、R、A	PLA-1030/B	1029	03/19/2011	03/19/2012					
Temp. / Humidity Meter	VICTOR	VC230	N/A	03/31/2011	03/31/2012					
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R					
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2								

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

<sup>2.</sup> N.C.R = No Calibration Request.

## **7.3. TEST PROCEDURES** (please refer to measurement standard or CCS SOP PA-031)

## **Procedure of Preliminary Test**

• The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a non-conductive covering to insulate the EUT from the ground plane.

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- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The test equipment EUT received DC9V power from the batteries or the adapter, and the adapter received AC120V/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.4.
   The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters (For Below 1GHz) or 1 meter (For Above 1GHz) above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

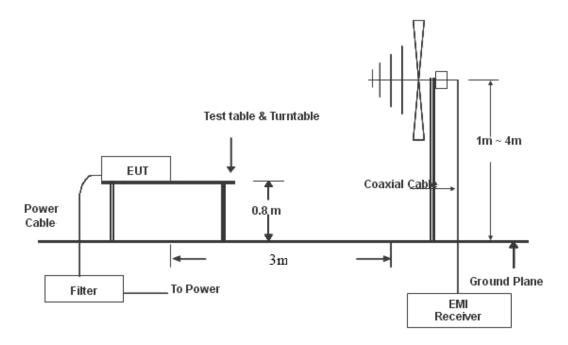
## **Procedure of Final Test**

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. (For Below 1GHz) or Peak/Average (For Above 1GHz) reading is presented.
- The test data of the worst-case condition(s) was recorded.

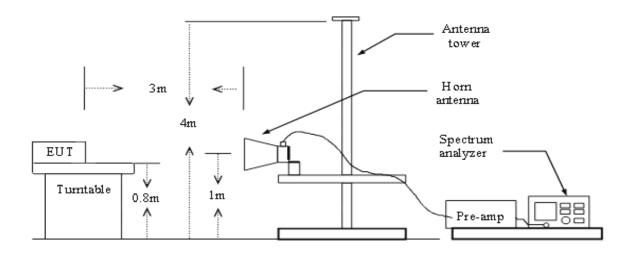
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## 7.4. TEST SETUP

#### **Below 1GHz**



#### **Above 1GHz**



 For the actual test configuration, please refer to the related item – Photographs of the Test Configuration. Report No: SZ111111B02-EF

## DATA SAMPLE

#### **Below 1GHz**

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
XXX.XXXX	47.40	-21.61	25.79	40.00	-14.21	QP

= Emission frequency in MHz Frequency (MHz)

= Uncorrected Analyzer / Receiver reading Reading (dBuV) Correct Factor (dB/m) = Antenna factor + Cable loss - Amplifier gain = Reading (dBuV) + Corr. Factor (dB/m) Result (dBuV/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Result (dBuV/m) - Limit (dBuV/m)

Q.P. = Quasi-peak Reading

#### **Above 1GHz**

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
XXXX.XXXX	62.09	-11.42	50.67	74.00	-23.33	Peak
XXXX.XXXX	49.78	-11.42	38.36	54.00	-15.64	AVG

Frequency (MHz) = Emission frequency in MHz

Reading (dBuV) = Uncorrected Analyzer / Receiver reading Correction Factor (dB/m) = Antenna factor + Cable loss - Amplifier gain Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Result (dBuV/m) - Limit (dBuV/m)

Peak = Peak Reading = Average Reading AVG

#### **Calculation Formula**

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)

Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)

## 7.6. TEST RESULTS

## **Below 1GHz**

Model No.	SP3790A	Test Mode	Mode 1
Environmental Conditions	22°C, 45% RH	RBW,VBW	120 kHz
Antenna Pole	Vertical	Antenna Distance	3m
<b>Detector Function</b>	Quasi-peak	Tested by	Sunday Hu

(The chart below shows the highest readings taken from the final data.)

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
107.6000	49.62	-21.45	28.17	43.50	-15.33	QP
266.0333	45.06	-19.63	25.43	46.00	-20.57	QP
366.2667	43.12	-16.57	26.55	46.00	-19.45	QP
398.6000	47.24	-15.46	31.78	46.00	-14.22	QP
443.8667	45.06	-14.88	30.18	46.00	-15.82	QP
461.6500	53.21	-14.72	38.49	46.00	-7.51	QP

REMARKS: 1. QP= Quasi-peak Reading

2. The other emission levels were very low against the limit.

Model No.	SP3790A	Test Mode	Mode 1
Environmental Conditions	22°C, 45% RH	RBW,VBW	120 kHz
Antenna Pole	Horizontal	Antenna Distance	3m
Detector Function	Quasi-peak	Tested by	Sunday Hu

(The chart below shows the highest readings taken from the final data.)

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
49.4000	46.72	-20.14	26.58	40.00	-13.42	QP
266.0333	46.16	-19.63	26.53	46.00	-19.47	QP
461.6500	43.44	-14.72	28.72	46.00	-17.28	QP
759.1167	38.68	-10.98	27.70	46.00	-18.30	QP
820.5500	43.08	-9.79	33.29	46.00	-12.71	QP
851.2667	39.06	-9.44	29.62	46.00	-16.38	QP

REMARKS: 1. QP= Quasi-peak Reading

2. The other emission levels were very low against the limit.

#### **Above 1GHz**

Model No.	SP3790A	Test Mode	Mode 1
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz, 1MHz
Antenna Pole	Vertical	Antenna Distance	3m
Detector Function:	Peak/AVG	Tested by	Sunday Hu

(The chart below shows the highest readings taken from the final data.)

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1383.3333	57.07	-10.36	46.71	74.00	-27.29	Peak
1825.0000	59.89	-10.05	49.84	74.00	-24.16	Peak
2741.6667	47.44	-7.70	39.74	74.00	-34.26	Peak
3041.6667	47.54	-5.86	41.68	74.00	-32.32	Peak
3650.0000	46.03	-3.82	42.21	74.00	-31.79	Peak
4591.6667	46.13	-1.78	44.35	74.00	-29.65	Peak

#### REMARKS:

- 1. The other emission levels were very low against the limit.
- 2. "--", means the average measurement was not performed when the measured peak data under the limit of average detection.
- 3. Peak= Peak Reading; AVG= Average Reading.

Model No.	SP3790A	Test Mode	Mode 1
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz, 1MHz
Antenna Pole	Horizontal	Antenna Distance	3m
Detector Function:	Peak/AVG	Tested by	Sunday Hu

## (The chart below shows the highest readings taken from the final data.)

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1383.3333	57.88	-10.36	47.52	74.00	-26.48	Peak
1825.0000	49.22	-10.05	39.17	74.00	-34.83	Peak
3233.3333	47.50	-5.42	42.08	74.00	-31.92	Peak
4091.6667	46.99	-3.28	43.71	74.00	-30.29	Peak
4275.0000	46.65	-2.68	43.97	74.00	-30.03	Peak
4483.3333	46.07	-2.05	44.02	74.00	-29.98	Peak

#### REMARKS:

- 1. The other emission levels were very low against the limit.
- 2. "--", means the average measurement was not performed when the measured peak data under the limit of average detection.
- 3. Peak= Peak Reading; AVG= Average Reading.