# FCC 47 CFR PART 15 SUBPART B TEST REPORT

Report No.: C130517Z01-F

for

900MHz Wireless Headphone

Model: HP5090A, WHP142

**Brand: ARKON, RCA** 

Test Report Number: C130517Z01-F

Issued for:

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

Issued by:

COMPLIANCE CERTIFICATION SERVICES (SHENZHEN) INC.

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TEL: 86-755-28055000 FAX: 86-755-28055221 Issued Date: June 6, 2013



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## **Revision History**

Rev.	Issue No		Revisions	Effect Page	Revised By
00	C130517Z01-F		Initial Issue	ALL	Nancy Fu

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## 1 TEST RESULT CERTIFICATION

Product	900MHz Wireless Headphone
Model	HP5090A, WHP142
Brand	ARKON, RCA
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	May 17~ June 6, 2013
Test Voltage	AC120V/60Hz

EMISSION						
Standard	Item	Result	Remarks			
FCC 47 CFR Part 15 Subpart B	Conducted (Power Port)	N/A	Not applicable, Since EUT supplied by the batteries.			
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.

Tom Gan. Ruhy zhang
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Reviewed by:

Tom Gan
Supervisor of EMC Dept.
Compliance Certification Service Inc.

Ruby Zhang Supervisor of Report Dept. Compliance Certification Service Inc.

FCC ID: MVAHP5092A-001R

Approved by:

## 2 EUT DESCRIPTION

Product	900MHz Wireless Headphone
Model	HP5090A, WHP142
Brand	ARKON, RCA
Applicant	Uni-Art Precise Products Ltd
Housing material	Plastic
EUT Type	<ul><li>☐ Engineering Sample, ☑ Product Sample,</li><li>☐ Mass Product Sample.</li></ul>
Identify Number	C130517Z01-F
EUT Power Rating	DC2.4V supplied by the batteries
Received Date	May 17, 2013
<b>EUT Max. Operating Frequency</b>	913MHz

## I/O Port EUT

I/O PORT TYPES		Q'TY	TESTED WITH	
1).	Charge Port	1	1	

#### **Model Differences**

Model Name	Difference	Tested (Checked)	
HP5090A	The model HP5090A has the brand name "ARKON", and the model	$\boxtimes$	
WHP142	WHP142 has the brand "RCA".		

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## 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.

Pre-Test Mo	Pre-Test Mode			
Emission	Conducted Emission	N/A		
Emission	Radiated Emission	Mode 1: Charge Mode 2: RX		

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

Final Test Mode			
Emission	Conducted Emission	N/A	
LIIIISSIOII	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.
- <sup>2</sup> Turn on the power of all equipment.
- 3 Run the program to test.

## 4 SETUP OF EQUIPMENT UNDER TEST

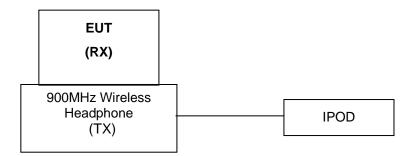
## 4.1. DESCRIPTION OF SUPPORT UNITS

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	IPOD	A1285	YM908BY U3QY	DoC	IPOD	Shielded, 1.80m	Shielded, 1.50m
2	900MHz Wireless Headphone (TX)	HP5090A	N/A	MVAHP5091 A-001T	ARKON	N/A	N/A

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

### 4.2. CONFIGURATION OF SYSTEM UNDER TEST



## 5 FACILITIES AND ACCREDITATIONS

#### 5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China

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.

USA A2LA China CNAS

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

USA FCC

Japan VCCI (C-3478, R-3135, T-652, G-624)

Canada INDUSTRY CANADA

Taiwan BSMI Norway Nemko

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	+/-3.6836dB
	Test Site : 966(1)	30 MHz ~200 MHz	+/-3.6935dB
	1 est Site . 900(1)	200 MHz ~1000 MHz	+/-3.6750dB
Radiated	Test Site : 966(2)	30 MHz ~200 MHz	+/-3.6880dB
emissions(3m)		200 MHz ~1000 MHz	+/-3.6695dB
		1GHz ~8GHz	+/-5.1782dB
		8GHz~18GHz	+/-5.2173dB

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 (dBuV)		Class B (dBuV)		
	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	Model Number	Serial Number	Last Calibration	Due Calibration			
ESCI EMI TEST RECEIVER.ESCI	ROHDE&SCHWARZ	ESCI	100783	03/09/2013	03/08/2014			
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	09/20/2012	09/20/2013			
LISN	EMCO	3825/2	8901-1459	03/09/2013	03/08/2014			
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	03/04/2013	03/03/2014			
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)

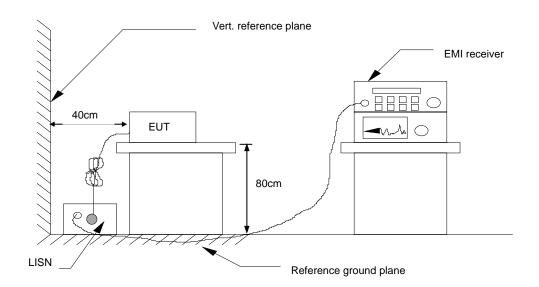
### **Procedure of Preliminary Test**

- 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 DC2.4V power from the batteries.
- 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

Not applicable, Since EUT supplied by the batteries.

## 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.

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or in which the device operated or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40GHz, whichever is lower



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15.38 (b) (11)Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, "Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement," 1997, IBR approved for § 15.109.

#### **Below 1GHz**

FREQUENCY (MHz)	dBuV/m (At 10m)		
FREQUENCT (WHZ)	Class A	Class B	
30 ~ 230	40	30	
230 ~ 1000	47	37	

#### **Above 1GHz**

Frequency	Class A (dBu	V/m) (At 3m)	(At 3m) Class B (dBu		
(GHZ)	Average	Peak	Average	Peak	
1~3	56	76	50	70	
3~6	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.

According to CISPR22 clause 6.3, the measurement frequency range shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	
Less than 108	1000
108-500	2000
500-1000	5000
Above 1000	5 times of the highest frequency or 6GHz, whichever is less

## 7.2. TEST INSTRUMENTS

#### **Below 1GHz**

	Radiated Emiss	ion Test Site (	10m Chamb	er)	
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
ESCI EMI TEST RECEIVER.ESCI	ROHDE&SCHWARZ	ESCI	100088	03/09/2013	03/08/2014
ESCI EMI TEST RECEIVER.ESCI	ROHDE&SCHWARZ	ESCI	100145	03/09/2013	03/08/2014
Amplifier	MITEQ	AM-1604-3000	1093583	03/18/2013	03/18/2014
Amplifier	Mini-Circuits	ZKL-1R5	6511600437	03/18/2013	03/18/2014
Bi-log Antenna	TESEQ	CBL6143A	26039	03/02/2013	03/01/2014
Bi-log Antenna	TESEQ	CBL6143A	32399	03/02/2013	03/01/2014
System-Controller	CCS	CC-C-F	N/A	N.C.R	N.C.R
System-Controller	CCS	CC-C-F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Antenna Tower	ccs	CC-A-1F	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	03/04/2013	03/03/2014
Test S/W	FARAD		EZ-EMC/ C	CCS-2Ant	

### **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	03/09/2013	03/08/2014				
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R				
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R				
Controller	СТ	N/A	N/A	N.C.R	N.C.R				
High Noise Amplifier	Agilent	8449B	3008A01838	03/18/2013	03/18/2014				
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	06/21/2012	06/21/2013				
Horn Antenna	SCHWARZBECK	BBHA9120	D286	03/02/2013	03/01/2014				
Temp. / Humidity Meter	Anymetre	JR913	N/A	03/04/2013	03/03/2014				
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.

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



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

### **Procedure of Preliminary Test**

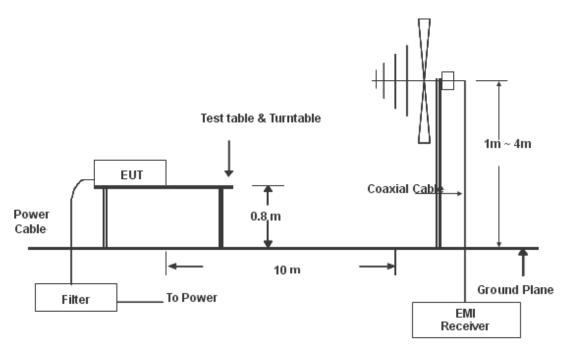
- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a non-conductive covering to insulate the EUT from the ground plane.
- 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 DC2.4V from the batteries. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10meter 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**

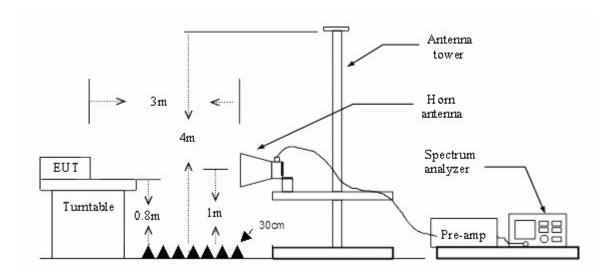
- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the 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.

## 7.4. TEST SETUP

#### **Below 1GHz**



#### **Above 1GHz**



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

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#### 7.5. DATA SAMPLE

#### **Below 1GHz**

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
XXX.XXXX	30.42	-6.78	23.64	30.00	-6.36	QP

Frequency (MHz) = Emission frequency in MHz

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

#### **Calculation Formula**

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

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

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## 7.6. TEST RESULTS

#### **Below 1GHz**

Model No.	HP5090A	Test Mode	Mode 1
Environmental Conditions	24°C, 52% RH	RBW,VBW	120 kHz
Antenna Pole	Vertical	Antenna Distance	10m
<b>Detector Function</b>	Quasi-peak	Tested by	Mack Li

(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
30.0000	42.67	-16.35	26.32	30.00	-3.68	QP
60.0700	55.52	-28.32	27.20	30.00	-2.80	QP
145.4300	51.64	-25.53	26.11	30.00	-3.89	QP
210.4200	51.44	-25.28	26.16	30.00	-3.84	QP
384.0500	53.27	-20.07	33.20	37.00	-3.80	QP
948.5900	43.09	-12.97	30.12	37.00	-6.88	QP

REMARKS: 1. QP= Quasi-peak Reading

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



Model No.HP5090ATest ModeMode 1Environmental<br/>Conditions24°C, 52% RHRBW,VBW120 kHzAntenna PoleHorizontalAntenna Distance10mDetector FunctionQuasi-peakTested byMack Li

(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
30.0000	30.42	-6.78	23.64	30.00	-6.36	QP
66.8600	47.49	-22.79	24.70	30.00	-5.30	QP
386.9600	47.45	-15.63	31.82	37.00	-5.18	QP
455.8300	43.46	-13.86	29.60	37.00	-7.40	QP
524.7000	43.96	-13.82	30.14	37.00	-6.86	QP
607.1500	44.25	-13.01	31.24	37.00	-5.76	QP

**REMARKS:** 1. QP= Quasi-peak Reading

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



## **Above 1GHz**

Model No.	HP5090A	Test Mode	Mode 1
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz
Antenna Pole	Vertical	Antenna Distance	3m
Detector Function:	Peak/AVG	Tested by	Mack Li

(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
2845.0000	47.98	-4.86	43.12	74.00	-30.88	peak
3670.0000	45.83	-2.83	43.00	74.00	-31.00	peak
4480.0000	45.16	-0.68	44.48	74.00	-29.52	peak
4705.0000	44.91	0.00	44.91	74.00	-29.09	peak
5125.0000	44.98	1.46	46.44	74.00	-27.56	peak
5755.0000	45.41	2.59	48.00	74.00	-26.00	peak

**REMARKS**: 1. Peak= Peak Reading; AVG= Average Reading.

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



Model No.	HP5090A	Test Mode	Mode 1
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz
Antenna Pole	Horizontal	Antenna Distance	3m
Detector Function:	Peak/AVG	Tested by	Mack Li

(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
2965.0000	46.70	-4.38	42.32	74.00	-31.68	Peak
3340.0000	46.82	-4.03	42.79	74.00	-31.21	Peak
3760.0000	45.49	-2.59	42.90	74.00	-31.10	Peak
4150.0000	45.86	-1.82	44.04	74.00	-29.96	Peak
4915.0000	45.39	0.93	46.32	74.00	-27.68	Peak
5710.0000	45.44	2.40	47.84	74.00	-26.16	Peak

REMARKS: 1. Peak= Peak Reading; AVG= Average Reading.

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