

FCC 47 CFR PART 15 SUBPART B TEST REPORT

Report No: SZ111129B05-EF

for

Wireless 900MHz Speaker

Mode: SP4790

Brand: Arkon

Test Report Number: SZ111129B05-EF

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.

No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China

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Issued Date: December 23, 2011



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FCC ID: MVASP4792-001R

Revision History

Rev.	Issue No	Revisions	Effect Page	Revised By
00	SZ111129B05-EF	Initial Issue	ALL	Bella Ge

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1 TEST RESULT CERTIFICATION

Product:	Wireless 900MHz Speaker		
Model:	SP4790		
Brand:	Arkon		
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 29~December 23, 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: 2003	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 Section Manager

Compliance Certification Service Inc.

Aven Zhou Supervisor of Report Dept. Compliance Certification Service Inc.

ven zhou

2 EUT DESCRIPTION

Product	Wireless 900MHz Speaker		
Model	SP4790		
Brand	Arkon		
Applicant	Uni-Art Precise Products Ltd		
Housing material	Plastic		
EUT Type	☐ Engineering Sample, ☑ Product Sample,☐ Mass Product Sample.		
Identify Number	SZ111129B05-EF		
EUT Power Rating	DC9V supplied by the adapter or 1.5Vx6 batteries		
Adapter Manufacturer/ Model No.	SIL POWER SUPPLY / SSA-12W-09 US 090120F Input: 100-240V~50/60Hz, 0.5A Output: 9.0V-1200mA DC output cable: Unshielded, 1.70m		
Received Date	November 29, 2011		
EUT Max. Operating Frequency	913MHz		

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I/O Port EUT

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

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					
Emission	Conducted Emission	Mode 1: Normal Link with adapter				
EIIIISSIOII	Radiated Emission	Mode 1: Normal Link with adapter				

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.

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	N/A						

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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

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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.

Canada	Industry Canada
Norway	Nemko
Japan	VCCI (C-3478, R-3135, T-652)
Taiwan	BSMI
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, http://www.ccsrf.com

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	Model Number	Serial Number	Last Calibration	Due Calibration					
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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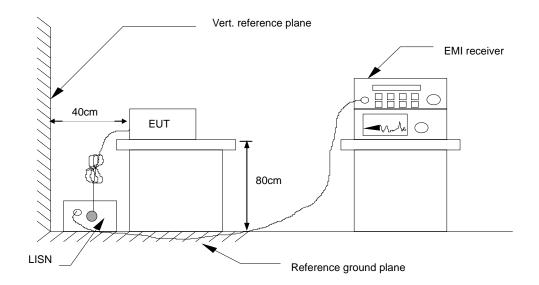
Procedure of Preliminary Test

- 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)	Average Margin (dB)	Line (L1/L2)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	L1

Factor = Insertion loss of LISN + Cable Loss

Result = Quasi-peak Reading/ Average Reading + Factor

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

L1 = Hot side L2 = Neutral side



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6.6. TEST RESULTS

Model No.	SP4790	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1(Left)
Tested by	Paul Pan	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)
0.1860	31.95	9.58	11.52	43.47	21.10	64.21	54.21	-20.74	-33.11	Pass
0.2980	29.45	13.15	11.52	40.97	24.67	60.30	50.30	-19.33	-25.63	Pass
0.7660	22.48	4.35	11.52	34.00	15.87	56.00	46.00	-22.00	-30.13	Pass
1.1940	21.63	6.89	11.53	33.16	18.42	56.00	46.00	-22.84	-27.58	Pass
3.1460	16.81	4.77	11.60	28.41	16.37	56.00	46.00	-27.59	-29.63	Pass
13.6900	17.01	3.70	12.28	29.29	15.98	60.00	50.00	-30.71	-34.02	Pass

NOTE: L1 = Line One (Live Line)

Model No.	SP4790	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1(Left)
Tested by	Paul Pan	Line	L2

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

Frequency	QuasiPeak	Average	Correction	QuasiPeak	Average	QuasiPeak		QuasiPeak	Average	Remark
(MHz)	Reading (dBuV)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Result (dBuV)	Limit (dBuV)	Limit (dBuV)	Margin (dB)	Margin (dB)	(Pass/Fail)
0.1700	30.85	11.91	11.52	42.37	23.43	64.96	54.96	-22.59	-31.53	Pass
0.2380	30.17	14.29	11.52	41.69	25.81	62.16	52.17	-20.47	-26.36	Pass
0.9940	24.19	12.17	11.51	35.70	23.68	56.00	46.00	-20.30	-22.32	Pass
2.1540	31.02	3.38	11.57	42.59	14.95	56.00	46.00	-13.41	-31.05	Pass
5.6860	19.48	7.92	11.71	31.19	19.63	60.00	50.00	-28.81	-30.37	Pass
13.5660	19.97	7.45	12.20	32.17	19.65	60.00	50.00	-27.83	-30.35	Pass

NOTE: L2 = Line Two (Neutral Line).

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Model No.	SP4790	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1(Right)
Tested by	Paul Pan	Line	L1

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

Frequency					•	QuasiPeak	J		•	Remark
(MHz)	Reading (dBuV)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Result (dBuV)	Limit (dBuV)	Limit (dBuV)	Margin (dB)	Margin (dB)	(Pass/Fail)
0.3260	28.89	12.08	11.51	40.40	23.59	59.55	49.55	-19.15	-25.96	Pass
0.9700	23.80	9.26	11.52	35.32	20.78	56.00	46.00	-20.68	-25.22	Pass
2.0380	22.98	5.85	11.56	34.54	17.41	56.00	46.00	-21.46	-28.59	Pass
3.1020	21.88	4.60	11.60	33.48	16.20	56.00	46.00	-22.52	-29.80	Pass
5.7860	20.82	6.72	11.72	32.54	18.44	60.00	50.00	-27.46	-31.56	Pass
14.2220	18.23	6.35	12.33	30.56	18.68	60.00	50.00	-29.44	-31.32	Pass

NOTE: L1 = Line One (Live Line)

Model No.	SP4790	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1(Right)
Tested by	Paul Pan	Line	L2

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

Frequency	QuasiPeak	Average	Correction	QuasiPeak	Average	QuasiPeak	•	QuasiPeak	Average	Remark
(MHz)	Reading (dBuV)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Result (dBuV)	Limit (dBuV)	Limit (dBuV)	Margin (dB)	Margin (dB)	(Pass/Fail)
0.1980	31.01	13.46	11.52	42.53	24.98	63.69	53.69	-21.16	-28.71	Pass
1.2260	28.12	13.88	11.52	39.64	25.40	56.00	46.00	-16.36	-20.60	Pass
2.1180	27.59	13.18	11.56	39.15	24.74	56.00	46.00	-16.85	-21.26	Pass
2.9380	26.99	13.88	11.59	38.58	25.47	56.00	46.00	-17.42	-20.53	Pass
3.9020	26.67	12.15	11.63	38.30	23.78	56.00	46.00	-17.70	-22.22	Pass
15.0500	23.47	11.32	12.29	35.76	23.61	60.00	50.00	-24.24	-26.39	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.

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7.2. TEST INSTRUMENTS

Below 1GHz

50000 10112								
Radiated Emission Test Site 966(1)								
Name of Equipment	ManufacturerModel NumberSerial NumberLast CalibrationDue Calibration							
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						

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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.

^{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.

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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.

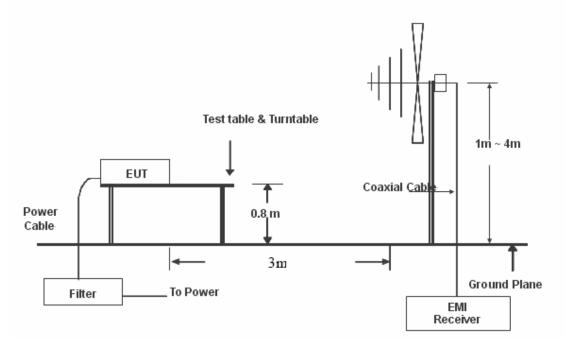
Procedure of Final Test

- 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.

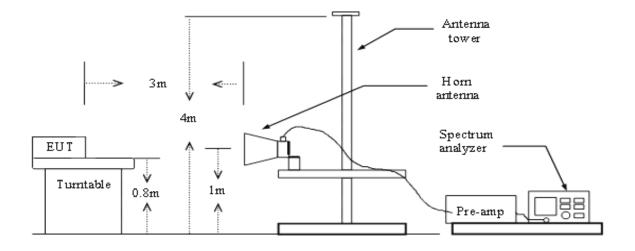
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TEST SETUP

Below 1GHz



Above 1GHz



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

7.5. DATA SAMPLE

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
XXX.XXX	53.54	-18.84	34.70	40.00	-5.30	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	55.54	4.56	60.10	74.00	-13.90	Peak
XXXX.XXXX	29.66	4.56	34.22	54.00	-19.78	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) + Corr. 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)

7.6. TEST RESULTS

Below 1GHz

Model No.	SP4790	Test Mode	Mode 1
Environmental Conditions	22°C, 45% RH	RBW,VBW	120 kHz
Antenna Pole	Vertical	Antenna Distance	3m
Detector Function	Quasi-peak	Tested by	Leevin Li

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(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
335.5500	41.41	-17.64	23.77	46.00	-22.23	QP
384.0500	41.51	-16.13	25.38	46.00	-20.62	QP
461.6500	48.03	-14.72	33.31	46.00	-12.69	QP
532.7833	45.24	-13.16	32.08	46.00	-13.92	QP
833.4833	40.12	-9.68	30.44	46.00	-15.56	QP
924.0167	41.95	-9.12	32.83	46.00	-13.17	QP

REMARKS: 1. QP= Quasi-peak Reading

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

Model No.	SP4790	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	Leevin 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
335.5500	42.16	-17.64	24.52	46.00	-21.48	QP
384.0500	40.90	-16.13	24.77	46.00	-21.23	QP
461.6500	42.20	-14.72	27.48	46.00	-18.52	QP
665.3500	48.14	-11.97	36.17	46.00	-9.83	QP
930.4833	41.55	-9.06	32.49	46.00	-13.51	QP
964.4333	38.75	-8.62	30.13	54.00	-23.87	QP

REMARKS: 1. QP= Quasi-peak Reading

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

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Above 1GHz

Model No.	SP4790	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	Leevin 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
1396.6667	61.50	-10.27	51.23	74.00	-22.77	Peak
1821.6667	56.65	-10.07	46.58	74.00	-27.42	Peak
3436.6667	45.89	-4.84	41.05	74.00	-32.95	Peak
3890.0000	46.90	-3.74	43.16	74.00	-30.84	Peak
4825.0000	45.89	-0.57	45.32	74.00	-28.68	Peak
6241.6667	44.35	3.79	48.14	74.00	-25.86	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.

Peak/AVG

Model No.	SP4790	Test Mode	Mode 1
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz
Antenna Pole	Horizontal	Antenna Distance	3m
Detector	Dook/AV/C	To a to all lave	Lagrin I :

Tested by

(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
1396.6667	59.40	-10.27	49.13	74.00	-24.87	Peak
1821.6667	53.69	-10.07	43.62	74.00	-30.38	Peak
3210.0000	45.80	-5.47	40.33	74.00	-33.67	Peak
4938.3333	45.02	-0.21	44.81	74.00	-29.19	Peak
5816.6667	44.62	2.62	47.24	74.00	-26.76	Peak
7715.0000	44.57	5.94	50.51	74.00	-23.49	Peak

REMARKS:

Function:

- 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.

Report No: SZ111129B05-EF

Leevin Li