

# FCC Test Report FCC ID:2ATGY-AWC1118

Product: ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C

# Trade Name: ubiolabs

Model Number: AWC1118

Family Model: N/A

Report No.: S21063002204001

**Prepared for** 

UBIO LABS, INC.

2821 Northup Way, Suite 250, Bellevue, WA 98004 USA

# Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

 1/F, Building E, Fenda Science Park, Sanwei Community,Xixiang Street, Bao'an District, Shenzhen P.R. China
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# **TEST RESULTCERTIFICATION**

Applicant's name: Address: Manufacturer's Name:	: 2821 Northup Way, Suite 250, Bellevue, WA 98004 USA			
Address:	2821 Northup Way, Suite 250, Bellevue, WA 98004 USA			
Product description				
Product name:	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C			
Model and/or type reference :	AWC1118			
results show that the equipment un applicable only to the tested sample This report shall not be reproduced Technology Co., Ltd., this document	KDB 680106 D01 RF Exposure Wireless Charging App v03r01 een tested by ShenzhenNTEK Testing Technology Co., Ltd., and the test der test (EUT) is in compliance with the FCC requirements. And it is			
The test results of this report relate Date of Test	only to the tested sample identified in this report.			
Date (s) of performance of tests	: 30Jun. 2021 ~ 31Jul. 2021			
Date of Issue	: 31Jul. 2021			
Test Result				
Testing Engine	(Mukzi Lee)			
Authorized Sig	Getter			
	(Alex Li)			

Report No.:S21063002204001



Table of Contents	Page
1. TEST SUMMARY	4
1.1 FACILITIES AND ACCREDITATIONS	5
1.2 LABORATORY ACCREDITATIONS AND LISTINGS 1.3 MEASUREMENT UNCERTAINTY	5 5
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST SETUP	9
2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	10
2.4 MEASUREMENT INSTRUMENTS LIST	11
3 . EMC EMISSION TEST	12
<ul> <li>3.1 CONDUCTED EMISSION MEASUREMENT</li> <li>3.1.1 POWER LINE CONDUCTED EMISSION</li> <li>3.1.2 TEST PROCEDURE</li> <li>3.1.3 TEST SETUP</li> <li>3.1.4 EUT OPERATING CONDITIONS</li> <li>3.1.5 TEST RESULTS</li> </ul>	12 12 13 13 13 13 14
3.2 RADIATED EMISSION MEASUREMENT 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT 3.2.2 TEST PROCEDURE 3.2.3 TEST SETUP 3.2.4 TEST RESULTS	16 16 17 18 19
4. BANDWIDTH TEST	24
4.1TEST PROCEDURE	24
4.2TEST SETUP	24
4.3 TEST RESULT	25
5. ANTENNA APPLICATION	26
5.1 Antenna Requirement	26
5.2 Result	26





# **1. TEST SUMMARY**

Test procedures according to the technical standards:

EMC Emission					
Standard	Test Item	FCC Rules	Limit	Judgment	Remark
FCC part 15C:2018 ANSI C63.10:2013	Conducted Emission	§15.207	Class B	PASS	
	Radiated Emission	§15.209	Class B	PASS	
	ANTENNA APPLICATION	§15.203	/	PASS	

NOTE:

(1)'N/A' denotes test is not applicable in this Test Report

(2) For client's request and manual description, the test will not be executed.

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# 1.1 FACILITIES AND ACCREDITATIONS

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

### 1.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

CNAS-Lab.	: The Certificate Registration Number is L5516.
IC-Registration	: The Certificate Registration Number is 9270A-1.
FCC- Accredited	: Test Firm Registration Number:463705.
	Designation Number: CN1184
A2LA-Lab.	: The Certificate Registration Number is 4298.01
	This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005General requirements for the competence of testing and calibration laboratories. This accreditation demonstratestechnical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm	: Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang
	Street, Bao'an District, Shenzhen 518126 P.R. China.

### **1.3 MEASUREMENT UNCERTAINTY**

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** %.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	3.2	

### B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz ~1000MHz	4.7	
		1GHz ~12.4GHz	5.0	





### **Revision History**

Report No.	Version	Description	Issued Date
S21063002204001	Rev.01	Initial issue of report	31Jul. 2021



# 2. GENERAL INFORMATION

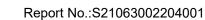
### 2.1GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C				
Trade Name	ubiolabs			
FCC ID	2ATGY-AWC1118			
Model No.	AWC1118			
Family Model	N/A			
Model Difference	N/A			
Operating Frequency	110.5kHz~205kHz			
Modulation Technique	le Induction			
Antenna Type	Induction coil			
Power Rating	Adapter Model: CHG1147SG Adapter Input: 110-240V, 50-60Hz 1.3A Input: DC18V, 3.5A Output: USB Output(PD 3.0):5V/3A;9V/2.78A Wireless Output1(Main Pad):15W/10W/7.5W/5W Wireless Output2(Back Pad):5W Magnetic Charger: 5W			
Battery	N/A			
HW Version	V1.0			
SW Version	V1.0			

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# 2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

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### EUT Exercise

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Pretest Mode	Description		
Mode 1	Charging+Coil 1 TX Mode		
Mode 2	Charging+Coil 2 TX Mode		
Mode 3	Charging+Coil 3 TX Mode		
Mode 4	Charging+Coil 1+2 TX Mode		
Mode 5	Charging+Coil 1+3 TX Mode		
Mode 6	Charging+Coil 2+3 TX Mode		
Mode 7	Charging+Coil 1+2+3 TX Mode		

For Conducted Test					
Final Test Mode Description					
Mode 7	Charging+Coil 1+2+3 TX Mode				

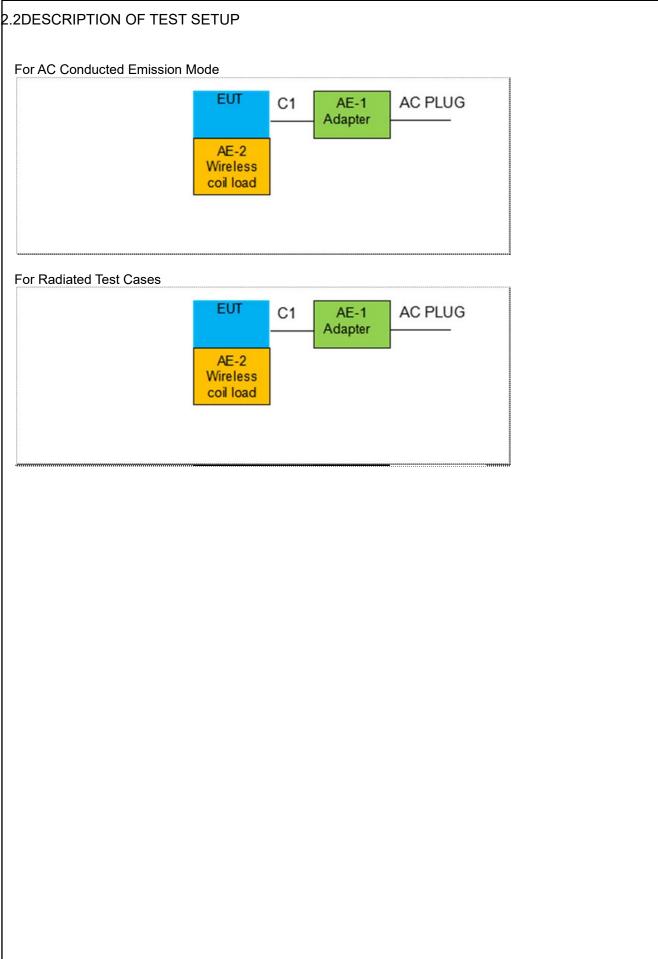
For Radiated Test				
Final Test Mode Description				
Mode 7	Charging+Coil 1+2+3 TX Mode			

Note: 1.All mode has been tested,mode 7 was the worst case and only this mode was presented in this report.

2. Coil 1 support output 15W/10W/7.5W/5W.and all has been tested,15W was the worst case and only this mode was presented in this report.



Report No.:S21063002204001



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### 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
AE-1	Adapter	N/A	N/A	N/A	Peripherals
AE-2	Adjustable wireless coil load	HAWORTH	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB cable	YES	NO	0.8m	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in  $\[$ Length $\]$  column.
- (3) "YES" means "shielded"" with core"; "NO" means "unshielded"" without core".

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### Report No.:S21063002204001

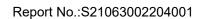
# 2.4MEASUREMENT INSTRUMENTS LIST

### RadiationTest equipment

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2020.05.11 2021.04.27	2021.05.10 2022.04.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2020.07.13	2021.07.12	1 year
4	Test Receiver	R&S	ESPI7	101318	2020.05.11 2021.04.27	2021.05.10 2022.04.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2021.03.29	2022.03.28	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Amplifier	EMC	EMC051835 SE	980246	2020.07.13	2021.07.12	1 year
8	Amplifier	MITEQ	TTA1840-35- HG	177156	2020.07.13	2021.07.12	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2020.12.10	2021.12.09	1 year
10	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.6	2022.08.05	3 year
11	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.6	2022.08.05	3 year

### Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2020.05.11 2021.04.27	2021.05.10 2022.04.26	1 year
2	LISN	R&S	ENV216	101313	2020.04.11 2021.04.27	2021.04.10 2022.04.26	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2020.05.11 2021.04.27	2021.05.10 2022.04.26	1 year
4	50ΩCoaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year





### **3. EMC EMISSION TEST**

### 3.1 CONDUCTED EMISSION MEASUREMENT

### 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

	limit		
FREQUENCY (MHz)	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	
0.50 -5.0	56.00	46.00	
5.0 -30.0	60.00	50.00	

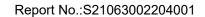
Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

### The following table is the setting of the receiver

Receiver Parameters	Setting		
Attenuation	10 dB		
Start Frequency	0.15 MHz		
Stop Frequency	30 MHz		
IF Bandwidth	9 kHz		





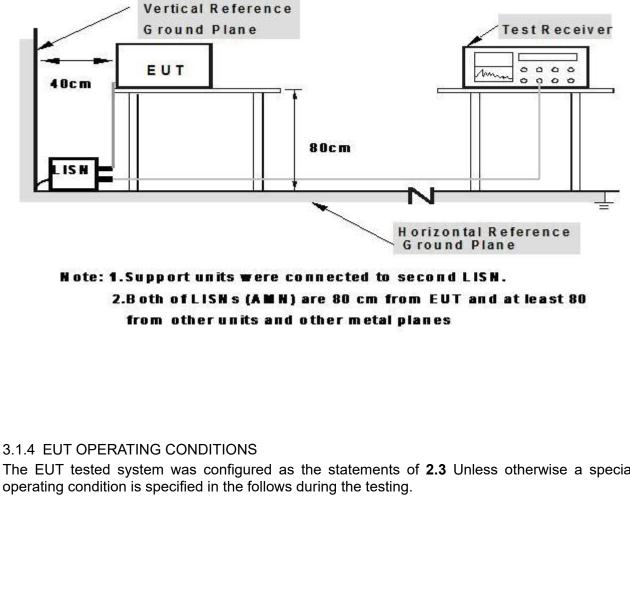
### 3.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

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- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d LISN at least 80 cm from nearest part of EUT chassis.
- e For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.1.3 TEST SETUP



The EUT tested system was configured as the statements of 2.3 Unless otherwise a special

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#### Report No.:S21063002204001

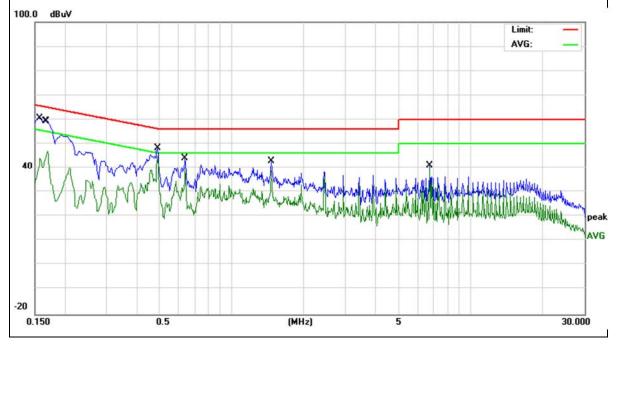
### **3.1.5TEST RESULTS**

	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118				
Temperature:	21.1	Relative Humidity:	48				
Pressure:	1010hPa	Phase :	L				
Test Mode:	Mode 7	Test Voltage:	AC 120V/60Hz				

_						
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1580	50.93	9.63	60.56	65.56	-5.00	QP
0.1660	49.70	9.63	59.33	65.15	-5.82	QP
0.4899	38.39	9.74	48.13	56.17	-8.04	QP
0.6380	34.47	9.67	44.14	56.00	-11.86	QP
1.4697	33.10	9.70	42.80	56.00	-13.20	QP
6.7618	31.22	9.79	41.01	60.00	-18.99	QP
0.1580	34.27	9.63	43.90	55.56	-11.66	AVG
0.1700	37.42	9.63	47.05	54.96	-7.91	AVG
0.4899	35.18	9.74	44.92	46.17	-1.25	AVG
0.6380	30.11	9.67	39.78	46.00	-6.22	AVG
1.4697	28.95	9.70	38.65	46.00	-7.35	AVG
6.7618	29.81	9.79	39.60	50.00	-10.40	AVG

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.



Version.1.1Page 14 of 26

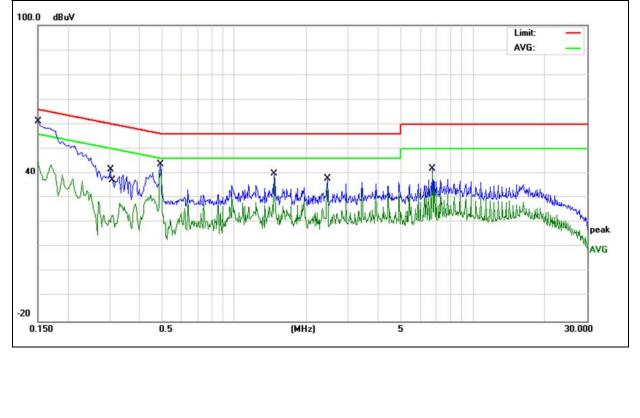
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EUT:	EUT: ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C			Model Name. :		AWC1118	
Temperature:	21.1		F	Relative	e Humidity:	48	
Pressure:	1010hPa		F	Phase :		N	
Test Mode:	Mode 7		٦	Fest Vo	ltage:	AC 120V/60Hz	7
Frequency	Reading Level	Correct Factor	Measure	e-ment	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dB	μV)	(dBµV)	(dB)	- Remark
0.1499	51.58	9.63	61.	.21	66.00	-4.79	QP
0.3019	31.94	9.66	41.	.60	60.19	-18.59	QP
0.4899	33.98	9.74	43.	.72	56.17	-12.45	QP
1.4697	30.23	9.70	39.	.93	56.00	-16.07	QP
2.4500	28.20	9.68	37.	.88	56.00	-18.12	QP
6.7618	32.06	9.79	41.	.85	60.00	-18.15	QP
0.1499	34.90	9.63	44.	.53	56.00	-11.47	AVG
0.3099	13.23	9.67	22.	.90	49.97	-27.07	AVG
1.4697	27.63	9.70	37.	.33	46.00	-8.67	AVG
0.4899	31.82	9.74	41.	.56	46.17	-4.61	AVG
2.4500	25.50	9.68	35.	.18	46.00	-10.82	AVG
6.7618	30.43	9.79	40.	.22	50.00	-9.78	AVG

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.







### 3.2 RADIATED EMISSION MEASUREMENT

### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

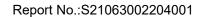
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

### 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

Notes

- (1) Measurement was performed at an antenna to the closed point of EUT distance ofmeters.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of 15.205, and the emissions located in restricted bands also comply with 15.209limit.
- (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector





### 3.2.2 TEST PROCEDURE

### Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited testfacility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the topof a variable-height antenna tower.
- c. The antenna is a broadband antenna(Blow 30M, use loop antenna), and its height is varied from one meter to four meters above theground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned toheights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to findthe maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz forquasi-peak detection (QP) at frequency below 1GHz.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Use the following receiver/spectrum analyzer settings: Span = wide enough to fully capture the emission being measured RBW=200Hz for 9KHz to 150KHz, RBW=9kHz for 150KHz to 30MHz, RBW=120KHz for 30MHz to 1GHz

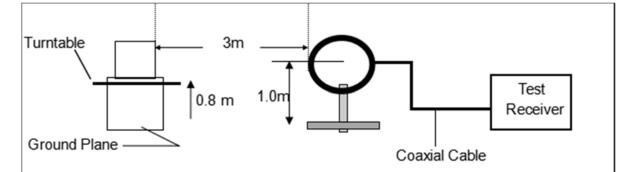
VBW  $\geq$  3\*RBW

Sweep = auto Detector function = QP Trace = max hold

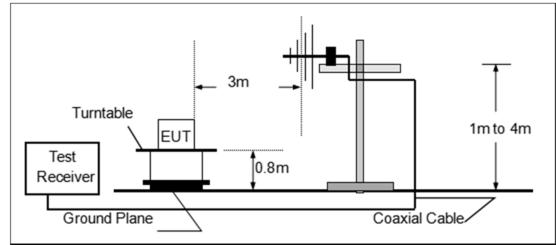


### 3.2.3 TEST SETUP

# (a) For Radiated Emission Test Set-Up, Frequency Below 30MHz



### (b) For Radiated Emission 30~1000MHz





### 3.2.4TEST RESULTS

### TEST RESULTS(9KHz~30MHz)

### Note:

	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118
Temperature:	<b>24</b> °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Power :	AC 120V/60HZ
Test Mode :	Mode 7	Polarization:	Х

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Frequency	Ant.Pol.	Emissio n Level	Limits	Margin	Remark
(MHz)		(dBuV/m)	(dBuV/m)	(dB)	
0.062	Х	35.84	111.8	-75.9	Avg
0.119	х	64.43	106.1	-41.7	Avg(fundamental frequency)
0.637	Х	46.26	71.52	-25.26	QP
2.627	Х	38.41	69.54	-31.13	QP
4.675	Х	39.52	69.54	-30.02	QP
15.230	Х	36.85	69.54	-32.69	QP

Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data. X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.

Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.

Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees.



	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118
Temperature:	<b>24</b> °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Power :	AC 120V/60HZ
Test Mode :	Mode 7	Polarization:	X

Frequency	Ant.Pol.	Emission Level	Limits	Margin	Remark
(MHz)		(dBuV/m)	(dBuV/m)	(dB)	
0.055	Х	38.13	112.80	-74.67	Avg
0.138	×	59.54	104.81	-45.27	Avg(fundamental frequency)
0.605	Х	36.51	71.97	-35.46	QP
0.864	Х	35.87	68.87	-33.00	QP
1.608	Х	34.44	63.48	-29.04	QP
10.263	Х	46.28	69.54	-23.26	QP

Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data. X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.

Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.

Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees.



	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118
Temperature:	<b>24</b> ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Power :	AC 120V/60HZ
Test Mode :	Mode 7	Polarization:	Х

Frequenc v	Ant.Pol.	Emission Level	Limits	Margin	Remark
(MHz)		(dBuV/m)	(dBuV/m)	(dB)	
0.068	X	40.36	110.95	-70.59	Avg
0.186	x	58.64	102.21	-43.57	Avg(fundamental frequency)
1.105	X	40.15	66.74	-26.59	QP
1.758	Х	35.58	69.54	-33.96	QP
4.313	Х	36.41	69.54	-33.13	QP
10.160	X	35.51	69.54	-34.03	QP

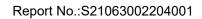
### Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data. X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.

Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.

Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees.





### TEST RESULTS(30MHz ~1000MHz)

	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118			
Temperature:	25.6	Relative Humidity:	54			
Pressure:	1010 hPa	Test Power :	AC 120V/60HZ			
Test Mode :	Mode 7	Polarization:	Vertical			

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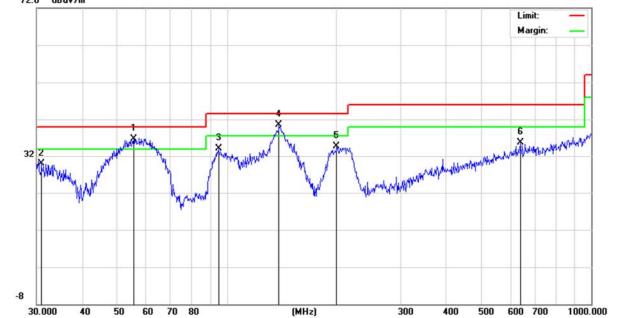
Certificate #4298.01

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Remain
Н	55.4147	24.37	12.42	36.79	40.00	-3.21	QP
Н	30.9618	5.57	24.24	29.81	40.00	-10.19	QP
Н	94.7600	17.81	16.34	34.15	43.50	-9.35	QP
Н	138.8735	21.61	18.96	40.57	43.50	-2.93	QP
Н	199.9856	19.37	15.41	34.78	43.50	-8.72	QP
Н	638.3686	6.52	29.19	35.71	46.00	-10.29	QP

#### Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit.







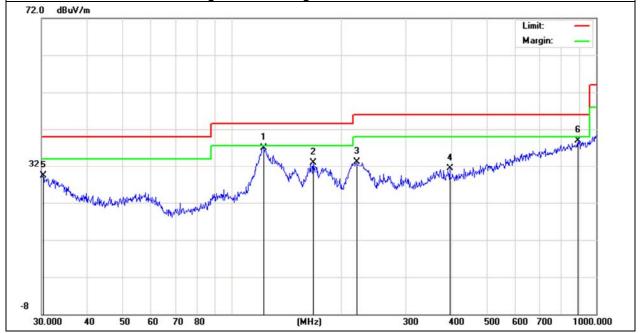
Report No.:S21063002204001

	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118
Temperature:	25.6	Relative Humidity:	54
Pressure:	1010 hPa	Test Power :	AC 120V/60HZ
Test Mode :	Mode 7	Polarization:	Horizontal

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Remain
V	121.9755	18.85	18.12	36.97	43.50	-6.53	QP
V	167.2368	15.82	17.12	32.94	43.50	-10.56	QP
V	219.8449	16.24	16.87	33.11	46.00	-12.89	QP
V	396.2415	7.66	23.66	31.32	46.00	-14.68	QP
V	30.3170	4.42	24.94	29.36	40.00	-10.64	QP
V	890.7278	6.68	32.22	38.90	46.00	-7.10	QP

Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit.





# 4. BANDWIDTH TEST

### 4.1TEST PROCEDURE

1). The transmitter output (antenna port) was connected to the spectrum analyzer in peak mode.

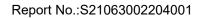
2). 20dB Bandwidth the resolution bandwidth of 300 Hz and the video bandwidth of 1 kHz were used.

3). Measured the spectrum width with power higher than 20dB below carrier.

### 4.2TEST SETUP







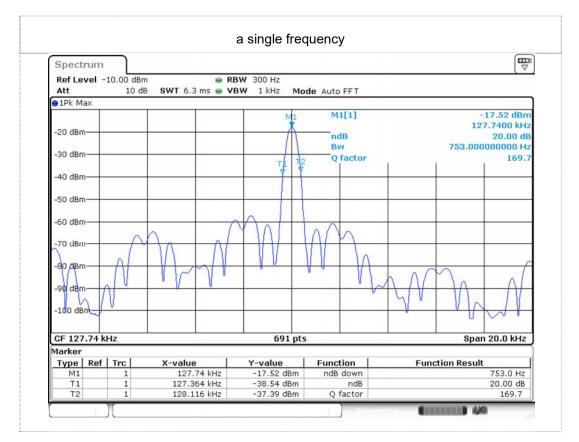
### 4.3 TEST RESULT

4.5 TEST RESOL	.1					
EUT:	ASPECT 15W WIRELESS 4-IN-1 WITH 25W USB-C	Model Name. :	AWC1118			
Temperature:	<b>24</b> ℃	Relative Humidity:	54%			
Pressure:	1010 hPa	Test Mode :	Mode 1			
Test Power :	AC 120V/60HZ					
		E. 5				

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Certificate #4298.01

-20dB Bandwidth-a single	F∟	Fн
frequency(Hz)	(kHz)	(kHz)
753	127.364	128.116



Ва



# **5. ANTENNA APPLICATION**

### 5.1 Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shallbe designed to ensure that no antenna other than that furnished by the responsible partyshall be used with the device. **5.2 Result** 

The EUT antenna ispermanent attached antenna. It comply with the standard requirement.

END REPORT