





FCC Test Report

FCC ID : 2ATGY-AWC1066

PRODUCT DESIGNATION: Wireless Charging Stand

TRADE NAME : ubiolabs

MODEL NAME : AWC1066SG

FAMILY MODEL : AWC1066AW, AWC1066WG, AWC1066PG

CLIENT: UBIO LABS, INC.

DATE OF ISSUE: Mar. 06, 2020

STANDARD(S) : FCC Part 15 Subpart C

REPORT NO. : DGE200107002D01

Prepared for

UBIO LABS, INC.

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

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name:	UBIO LAB	S, INC.					
Address:	: 2821 Northup Way, Suite 250, Bellevue, WA 98004 USA						
Manufacturer's Name	UBIO LAB	S, INC.					
Address:	2821 North	nup Way, Suite 250, Bellevue, WA 98004 USA					
Product description							
Product name:	Wireless C	Charging Stand					
Model and/or type reference .:	AWC1066	SG,AWC1066AW, AWC1066WG, AWC1066PG					
Standards:		s and Regulations Part 15 Subpart C Section 15.207, 15.209,					
results show that the equipment unapplicable only to the tested sample. This report shall not be reproduced Technology Co., Ltd., this documen	der test (El e identified except in f t may be al	by Shenzhen NTEK Testing Technology Co., Ltd., and the test JT) is in compliance with the FCC requirements. And it is in the report. ull, without the written approval of Shenzhen NTEK Testing ltered or revised by Shenzhen NTEK Testing Technology Co.,					
Ltd., personnel only, and shall be no	oted in the	revision of the document.					
The test results of this report relate Date of Test	-	tested sample identified in this report.					
Date (s) of performance of tests	:	02 Mar.2020 ~ 06 Mar.2020					
Date of Issue	:	06 Mar.2020					
Test Result	:	Pass					
Testing Engine	eer :	Eileen Wu. (Eileen Liu)					
Technical Man	ager :	(Jason Chen)					
Authorized Sig	natory:	(Jason Chen) Sam. Chew					

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(Sam Chen)



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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission								
Standard	Test Item	FCC Rules	Limit	Judgment	Remark			
	Conducted Emission	§15.207	Class B	PASS				
FCC part 15C ANSI C63.10:2013	Radiated Emission	§15.209	Class B	PASS				
	ANTENNA APPLICATION	§15.203	1	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 Laboratory has been assessed and proved to be in compliance with

CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)

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 17025:2005 General requirements for

the competence of testing and calibration laboratories.

This accreditation demonstrates technical 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 $\mathbf{k}=2$, providing a level of confidence of approximately $\mathbf{95}$ %.

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	

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Revision History

Report No.	Version	Description	Issued Date
DGE200107002D01	Rev.01	Initial issue of report	06 Mar.2020

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

	Product Feature and Specification				
Equipment	Wireless Charging Stand				
FCC ID	DGE200107002R				
Model No.	AWC1066SG				
Serial Model	AWC1066AW, AWC1066WG, AWC1066PG				
Model difference	All are same, just different with color.				
Operating Frequency	128.75KHz				
Modulation Technique	Induction				
Antenna Type	Induction coil				
	☑ DC supply: DC 18V 3.5A				
Power supply					
Output	Charger Output: 18V DC, 3.5A Max. (total) Wireless Charger Output: 10W Max				
HW Version	N/A				
SW Version	N/A				

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2.2 DESCRIPTION OF TEST MODES

EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

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.

Test Cases				
Test Item	Data Rate/ Modulation			
AC Conducted Emission	Mode 1: Full load*			
Radiated Test Cases	Mode 1: Full load			

(*)EUT can only access the specified load, can not adjust the size of the load

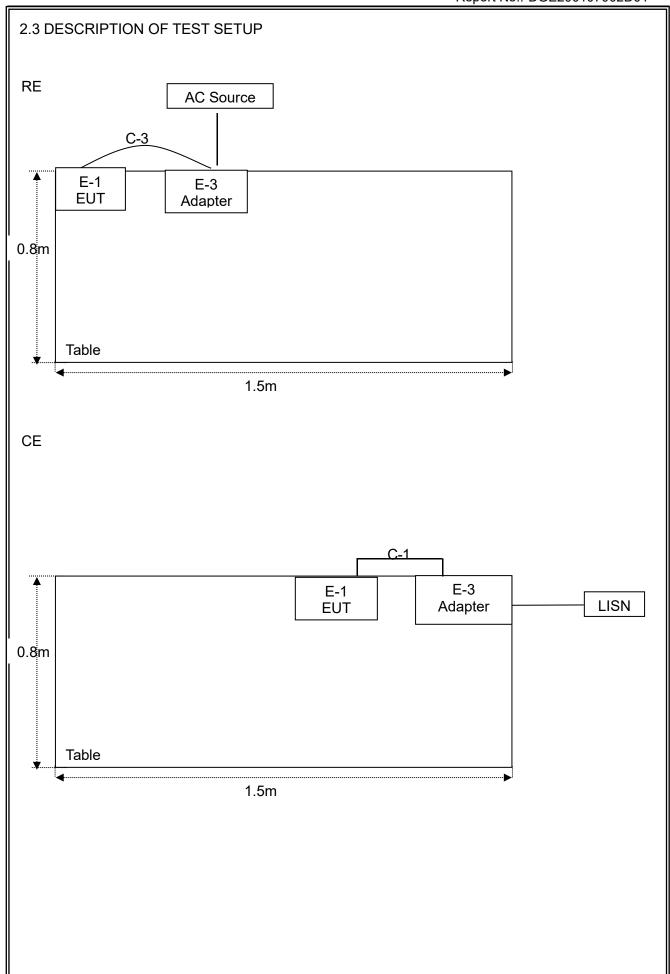
Carrier Frequency and Channel list:

Channel	Frequency(MHz)
1	0.1237
2	0.12875
3	0.1335

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2.4 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
E-1	Wireless Charging Stand	ubiolabs	AWC1066SG	N/A	EUT
E-2	Adapter	N/A	CHG1147SG	N/A	Accessory
E-3	Load	N/A	N/A	N/A	AE

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	unshielded	NO	1.2m	AE

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 <code>[Length_acolumn.]</code>
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

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2.5 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2019.06.05	2020.06.04	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2019.10.26	2020.10.25	1 year
4	Test Receiver	R&S	ESPI	101318	2019.06.05	2020.06.04	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2019.04.08	2020.04.07	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2019.06.05	2020.06.04	1 year
7	Amplifier	EMC	EMC051835 SE	980246	2019.08.09	2020.08.08	1 year
8	Amplifier	MITEQ	TTA1840-35- HG	177156	2019.06.05	2020.06.04	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2019.06.05	2020.06.04	1 year
10	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2017.04.21	2020.04.20	3 year
11	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2017.04.21	2020.04.20	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	2019.06.05	2020.06.04	1 year
2	LISN	R&S	ENV216	101313	2019.04.18	2020.04.17	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2019.06.05	2020.06.04	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2019.06.05	20209.06.04	1 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2017.04.21	2020.04.20	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2017.04.21	2020.04.20	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2017.04.21	2020.04.20	3 year

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3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

EDEOLIENCY (MHz)	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

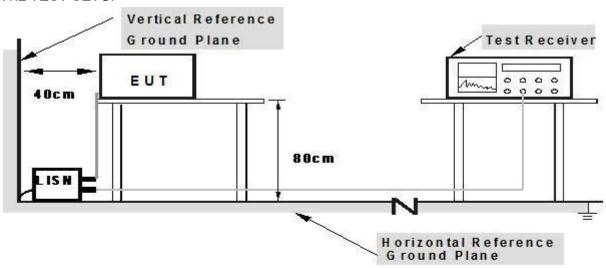
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3.1.1 TEST PROCEDURE

- 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.
- 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.

3.1.2 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.3 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

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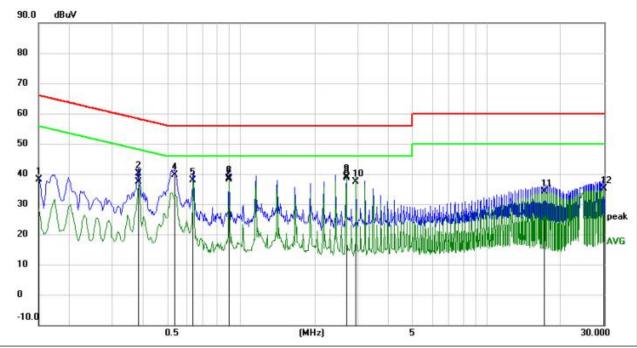
3.1.4 TEST RESULTS

EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG		
Temperature:	23 ℃	Relative Humidity:	53%		
Pressure:	1010hPa	Test Date:	2020-03-05		
Test Mode:	Mode 1(Mid frequency) Phase :				
Test Voltage:	Output: DC 18V , Input: Adapter AC 120V/60Hz				

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector Comment
1	0.1500	28.21	9.94	38.15	66.00	-27.85	QP
2	0.3820	30.23	9.92	40.15	58.24	-18.09	QP
3	0.3820	27.50	9.92	37.42	48.24	-10.82	AVG
4	0.5380	29.62	9.93	39.55	56.00	-16.45	QP
5	0.6380	27.89	9.94	37.83	46.00	-8.17	AVG
6	0.8940	28.58	9.97	38.55	56.00	-17.45	QP
7	0.8940	28.13	9.97	38.10	46.00	-7.90	AVG
8	2.6820	28.46	10.09	38.55	56.00	-17.45	QP
9 *	2.6820	29.15	10.09	39.24	46.00	-6.76	AVG
10	2.9380	27.35	10.10	37.45	56.00	-18.55	QP
11	17.1180	21.56	12.47	34.03	50.00	-15.97	AVG
12	29.8940	22.49	12.52	35.01	50.00	-14.99	AVG

Remark:

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



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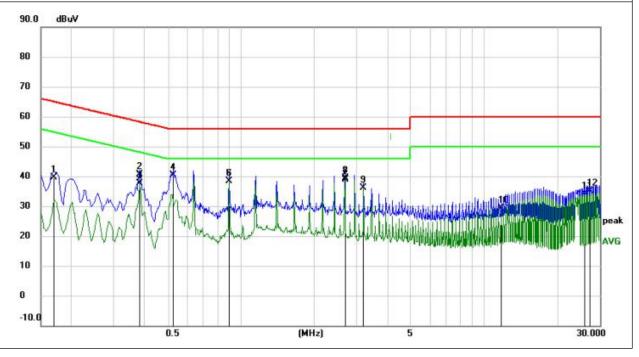


EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG			
Temperature:	23 ℃	Relative Humidity:	52%			
Pressure:	1010hPa	Test Date:	2020-03-05			
Test Mode:	Mode 1(Mid frequency) Phase : N					
Test Voltage:	Output: DC 18V,Input: Adapter AC 120V/60Hz					

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	7	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1700	29.61	9.93	39.54	64.96	-25.42	QP	
2	0.3820	30.61	9.93	40.54	58.24	-17.70	QP	
3	0.3820	27.64	9.93	37.57	48.24	-10.67	AVG	
4	0.5260	30.47	9.94	40.41	56.00	-15.59	QP	
5	0.8940	28.48	9.97	38.45	56.00	-17.55	QP	
6	0.8940	28.30	9.97	38.27	46.00	-7.73	AVG	
7	2.6820	28.91	10.09	39.00	56.00	-17.00	QP	
8 *	2.6820	29.29	10.09	39.38	46.00	-6.62	AVG	
9	3.1940	25.94	10.12	36.06	46.00	-9.94	AVG	
10	11.7500	18.05	11.32	29.37	50.00	-20.63	AVG	
11	26.0580	21.61	12.54	34.15	50.00	-15.85	AVG	
12	27.3340	22.65	12.49	35.14	60.00	-24.86	QP	

Remark:

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



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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
¹ 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 of meters.
- (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 15.209 limit.
- (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

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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 test facility. 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 top of 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 the ground 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 to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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

Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a accredited chamber room. 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 top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect 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 to heights and the rotatable table was turned from 0 degrees to 360 degrees to fine the maximum reading.

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 ≥ 3*RBW

Sweep = auto

Detector function = QP

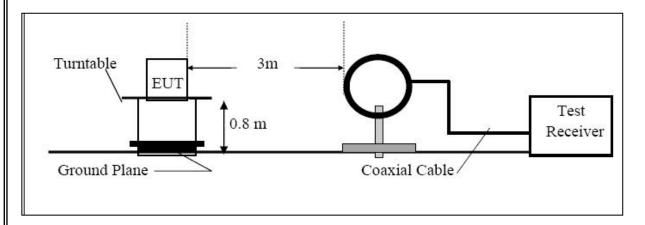
Trace = max hold

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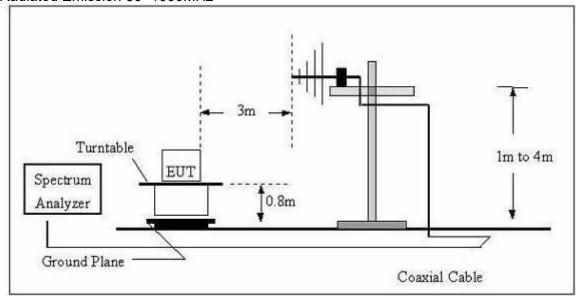


3.2.3 TEST SETUP

For Radiated Emission Test Set-Up, Frequency Below 30MHz



For Radiated Emission 30~1000MHz



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3.2.4 TEST RESULTS

TEST RESULTS (9KHz~30MHz)

EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG			
Temperature:	23 ℃	Relative Humidity:	53%			
Pressure:	1010 hPa	Test Date :	2020-03-05			
Test Mode :	Low frequency/Max Load Polarization : X					
Test Power:	Output: DC 18V,Input: Adapter AC 120V/60Hz					

Frequency	Ant.Pol.	Factor	Emissio	Limits	Margin	Remark		
			n Level				Ш	
(MHz)		(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)			
0.057	Х	9.61	46.37	112.502	-66.13	Avg		
0.124	×	9.98	63.2	105.757	-42.56	Avg(fundamenta I frequency)		
0.825	X	11.230	46.320	69.275	-22.96	QP		
4.468	X	12.970	42.665	54.602	-11.94	QP		
7.671	X	12.910	44.020	69.542	-25.52	QP		
20.366	X	15.822	37.120	69.542	-32.42	QP	Ш	
							ΙТ	

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.

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EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG				
Temperature:	23 ℃	Relative Humidity:	53%				
Pressure:	1010 hPa	Test Date :	2020-03-05				
Test Mode :	Mid frequency/Max Load	Mid frequency/Max Load Polarization : X					
Test Power :	Output: DC 18V,Input: Adapter AC 120V/60Hz						

Frequency	Ant.Pol.	Factor	Emission	Limits	Margin	Remark		
			Level		0.00		ŀ	1
(MHz)		(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)			
0.061	X	9.65	42.25	111.8976	-69.65	Avg		
0.129	×	9.79	76.31	105.4262	-29.12	Avg(fundamental		
0.129	^	9.79	76.31	105.4262	-29.12	frequency)		
0.755	X	10.560	40.600	70.045	-29.45	QP		
1.397	X	11.380	34.273	64.700	-30.43	QP		
5.334	X	12.060	32.852	69.542	-36.69	QP		
9.480	X	12.570	44.757	69.542	-24.79	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.

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EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG					
Temperature:	24 ℃	Relative Humidity:	54%					
Pressure:	1010 hPa	Test Date :	2020-03-05					
Test Mode :	High frequency/Max Load	Polarization :	X					
Test Power :	Output: DC 18V,Input: Adapter AC 120V/60Hz							

J.								il .
Frequenc y	Ant.Pol.	Factor	Emission Level	Limits	Margin	Remark		
(MHz)		(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)			
0.066	X	9.561	43.271	111.2133	-67.94	Avg		
0.134	×	9.993	80.38	105.0946	-24.71	Avg(fundamental frequency)		
0.591	×	10.851	43.857	72.172	-28.32	QP		
2.436	×	11.977	36.622	59.871	-23.25	QP		
6.447	×	12.086	36.200	69.542	-33.34	QP		
10.593	×	12.961	36.998	69.542	-32.54	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.

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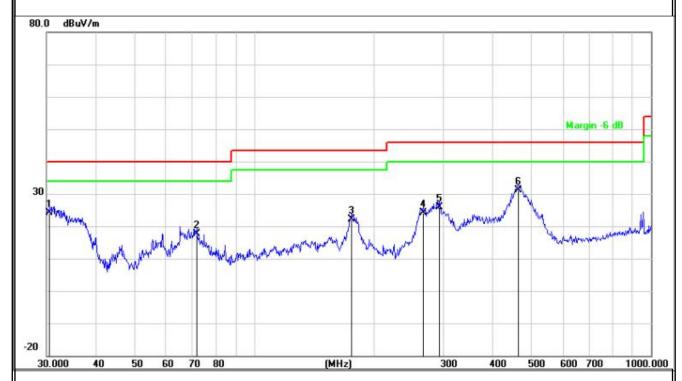
TEST RESULTS (30MHz ~1000MHz)

EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG				
Temperature:	24 ℃	Relative Humidity:	54%				
Pressure:	1010 hPa	Test Date :	2020-03-05				
Test Mode :	133.5KHz/Max Load	Polarization :	Horizontal				
Test Power:	Output: DC 18V,Input: Adapter AC 120V/60Hz						

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	1
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		30.5306	44.23	-20.06	24.17	40.00	-15.83	QP			
2		71.5806	49.06	-31.43	17.63	40.00	-22.37	QP			
3		175.6516	49.19	-27.14	22.05	43.50	-21.45	QP			
4		266.6089	48.64	-24.55	24.09	46.00	-21.91	QP			
5		293.0842	49.48	-23.69	25.79	46.00	-20.21	QP			
6	*	462.3455	51.20	-19.95	31.25	46.00	-14.75	QP		()	

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



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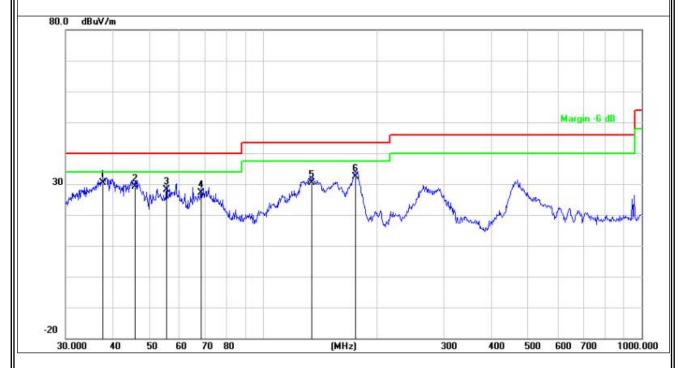


	To a second seco		I					
EUT:	Wireless Charging Stand	Model Name. :	AWC1066SG					
Temperature:	24 °C	Relative Humidity:	54%					
Pressure:	1010 hPa	Test Date :	2020-03-05					
Test Mode:	133.5KHz/Max Load	Vertical						
Test Power:	Output: DC 18V,Input: Adapter AC 120V/60Hz							

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	3	Antenna Height	Table De gre e	
- 18		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1	*	37.6798	54.63	-24.22	30.41	40.00	-9.59	QP		Maria Cara Cara Cara Cara Cara Cara Cara	
2		45.8553	56.18	-26.94	29.24	40.00	-10.76	QP		8	
3		55.4147	58.26	-30.17	28.09	40.00	-11.91	QP		5*	
4		68.3908	59.37	-32.17	27.20	40.00	-12.80	QP		8	
5		134.0882	55.23	-24.81	30.42	43.50	-13.08	QP			
6		175.0368	58.51	-26.06	32.45	43.50	-11.05	QP		81	

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



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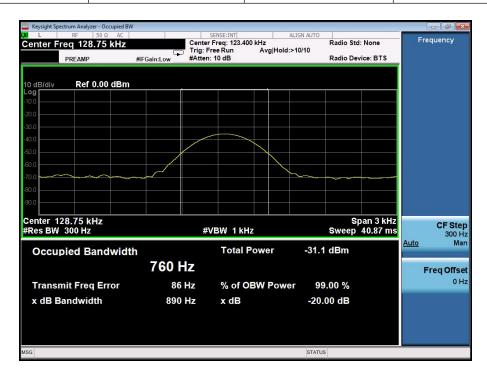
4. BANDWIDTH

4.1. MEASUREMENT PROCEDURE

- The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2, Set the EUT Work on operation frequency.
- 3. Set Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a channel
 The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and
 video bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function
 = peak
- 4. Set SPA Trace 1 Max hold, then View.

4.2. MEASUREMENT RESULTS

Frequency (KHz)	Test Data (Hz) 99% Bandwidth	Test Data (Hz) -20dB Bandwidth	Criteria	
128.75	760	890	PASS	



Note: All channels have been tested and the worst mode data is recorded in the report

5. ANTENNA APPLICATION

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5.1. Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be 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 is permanent attached antenna. It comply with the standard requirement.

END REPORT

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