



FCC TEST REPORT

FCC ID: 2ADDW-TB-WDC08

On Behalf of

SHENZHEN TOPBAND CO., LTD

Wireless Power Bank with Charging Dock

Model No.: TB-WDC08

Prepared for : SHENZHEN TOPBAND CO., LTD
Address : Topband Industrial Park, Shiyan Town, Bao'an District, Shenzhen

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District,
518103, Shenzhen, Guangdong, China

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Date of Receipt : September 06, 2019
Date of Test : September 06, 2019–September 17, 2019
Date of Report : September 18, 2019
Version Number : V0

TABLE OF CONTENTS

1. Test Result Summary.....	5
2. General Information	6
2.1. DESCRIPTION OF DEVICE (EUT)	6
2.2. ACCESSORIES OF DEVICE (EUT).....	7
2.3. TESTED SUPPORTING SYSTEM DETAILS.....	7
2.4. BLOCK DIAGRAM OF CONNECTION BETWEEN EUT AND SIMULATORS	7
2.5. DESCRIPTION OF TEST MODES	7
2.6. TEST CONDITIONS	7
2.7. TEST FACILITY	8
2.8. MEASUREMENT UNCERTAINTY	8
2.9. TEST EQUIPMENT LIST.....	9
3. Test Results and Measurement Data	10
3.1. CONDUCTED EMISSION	10
3.2. RADIATED SPURIOUS EMISSION MEASUREMENT.....	13
3.3. TEST SPECIFICATION	19
4. Antenna Requirements	21
4.1. LIMIT	21
4.2. RESULT	21
5. Photos of test setup	22
6. Photographs of EUT.....	24

TEST REPORT DECLARATION

Applicant : SHENZHEN TOPBAND CO., LTD
 Address : Topband Industrial Park, Shiyan Town, Bao'an District, Shenzhen
 Manufacturer : SHENZHEN TOPBAND CO., LTD
 Address : Topband Industrial Park, Shiyan Town, Bao'an District, Shenzhen
 EUT Description : Wireless Power Bank with Charging Dock
 (A) Model No. : TB-WDC08
 (B) Trademark : N/A

Measurement Standard Used:
FCC CFR Title 47 Part 15 Subpart C Section 15.209

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC CFR Title 47 Part 15 Subpart C Section 15.209 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....: Ella Liang
 Project Engineer 

Approved by (name + signature).....: Simple Guan
 Project Manager 

Date of issue.....: September 18, 2019

Revision History

Revision	Issue Date	Revisions	Revised By
V0	September 18, 2019	Initial released Issue	Simple Guan

1. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious Emission	§15.209(a)(f)	PASS
Occupied Bandwidth	§15.215 (c)	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

2. General Information

2.1. Description of Device (EUT)

EUT Name	:	Wireless Power Bank with Charging Dock
Model No.	:	TB-WDC08
DIFF.	:	N/A
Trademark	:	N/A
Power supply	:	Input : DC 9V/4A USB-A Output : DC 5V/2A Wireless Output: 5W/10W (Max)
Operation frequency	:	125-205KHz
Modulation	:	MSK
Antenna Type	:	Coil Antenna
Software version	:	V1.0
Hardware version	:	V1.0

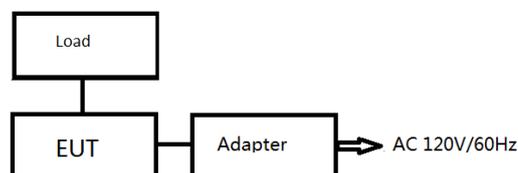
2.2. Accessories of Device (EUT)

Accessories1 : AC ADAPTER
 Manufacturer : SHENZHEN TOPBAND CO., LTD
 Model : WT090400G
 Ratings : Input:100-240V~ 50/60Hz 1.6A
 : Output: 9.0V $\overline{\text{---}}$ 4.0A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification or DOC
1	Cement resistance	--	--	--	--
2	Wireless Load	--	--	--	--
3	Adapter	--	--	--	--

2.4. Block Diagram of connection between EUT and simulators



2.5. Description of Test Modes

Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)
1	125	6	150	11	175	16	200
2	130	7	155	12	180	17	205
3	135	8	160	13	185	18	
4	140	9	165	14	190	19	
5	145	10	170	15	195	20	

2.6. Test Conditions

Items	Required	Actual
Temperature range:	15-35°C	24°C
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa

2.7. Test Facility

Shenzhen Alpha Product Testing Co., Ltd

Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission

Registration Number: 293961

July 15, 2019 Certificated by IC

Registration Number: CN0085

2.8. Measurement Uncertainty

(95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Conducted Emission Test	2.74dB	
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB	Polarize: V
	2.57dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.77dB	Polarize: V
	3.80dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	4.16dB	Polarize: H
	4.13dB	Polarize: V
Uncertainty for radio frequency	5.4×10^{-8}	
Uncertainty for conducted RF Power	0.37dB	

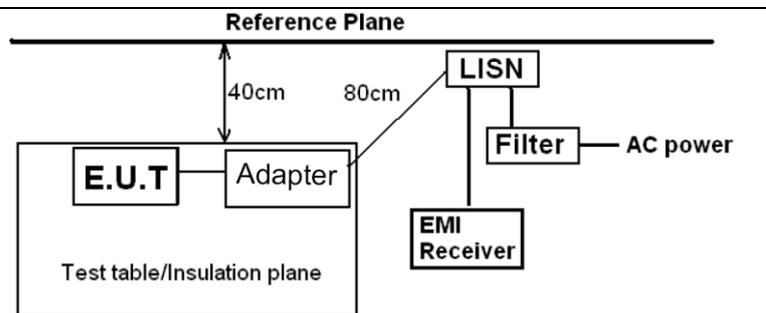
2.9. Test Equipment List

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	N/A	2018.09.21	1Year
Spectrum analyzer	ROHDE&SCHWARZ	FSU	1166.1660.26	2018.09.21	1Year
Spectrum analyzer	Agilent	N9020A	MY499100060	2019.09.10	1Year
Receiver	R&S	ESCI	1166.5950K03-1011	2018.09.21	1Year
Receiver	R&S	ESCI	101202	2018.09.21	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	VULB9168-438	2019.04.12	2Year
Loop Antenna	SCHWARZBECK	FMZB 1519B	00059	2018.09.26	2Year
Cable	Resenberger	N/A	No.1	2018.09.21	1Year
Cable	SCHWARZBECK	N/A	No.2	2018.09.21	1Year
Cable	SCHWARZBECK	N/A	No.3	2018.09.21	1Year
Pre-amplifier	Schwarzbeck	BBV9743	9743-019	2018.09.21	1Year
Pre-amplifier	R&S	AFS33-18002650-30-8P-44	SEL0080	2018.09.21	1Year
Temperature controller	Terchy	MHQ	120	2018.09.21	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126466	2018.09.21	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2018.09.21	1 Year
20db Attenuator	ICPROBING	IATS1	82347	2018.09.21	1 Year

3. Test Results and Measurement Data

3.1. Conducted Emission

3.1.1. Test Specification

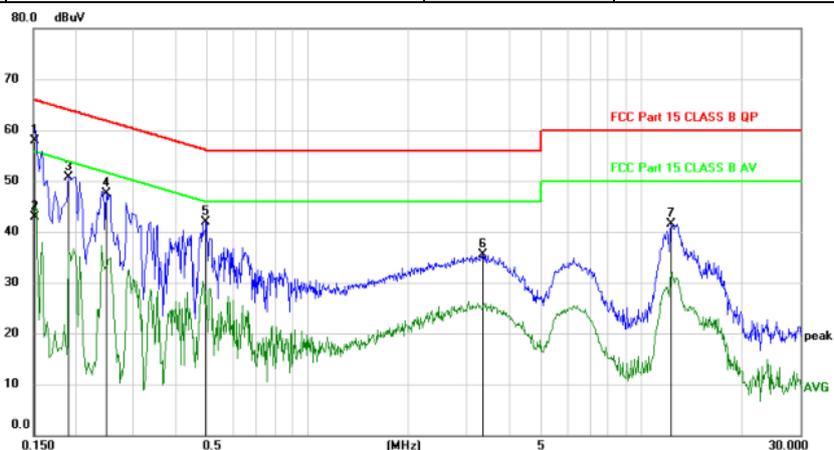
Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	 <p><i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test Procedure:	<ol style="list-style-type: none"> 1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 														
Test Result:	PASS														

3.1.2. Test data

Please refer to following diagram for individual

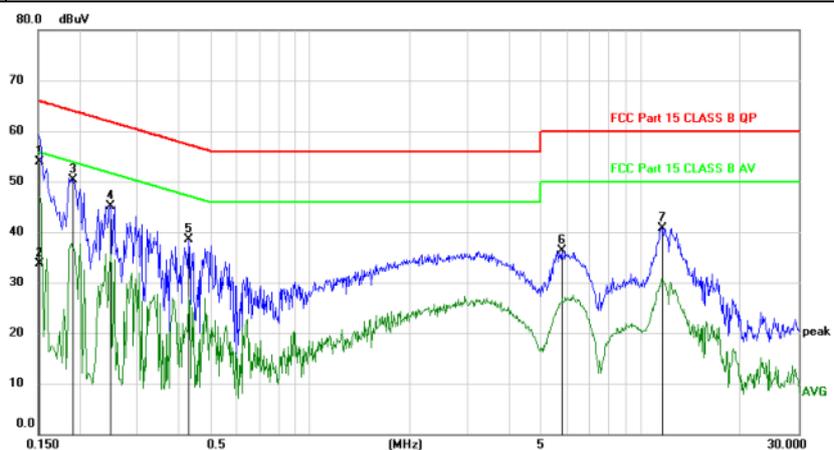
Test Mode	: Full Load, Half Load, Empty Load
Test Results	: PASS
Note:	<p>The test results are listed in next pages.</p> <p>This mode is worst case mode, so this report only reflected the worst mode.</p> <p>If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out.</p> <p>If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p>

EUT Description	Wireless Power Bank with Charging Dock	Model No.	TB-WDC08
Temperature	24°C	Humidity	56%
Pol	Line	Test date	2019/9/6
Test Voltage	AC 120V/60Hz	Test mode	Full Load



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1516	48.13	9.80	57.93	65.91	-7.98	QP	
2		0.1516	33.13	9.80	42.93	55.91	-12.98	AVG	
3		0.1920	40.96	9.80	50.76	63.95	-13.19	peak	
4		0.2490	37.68	9.80	47.48	61.79	-14.31	peak	
5		0.4950	32.19	9.80	41.99	56.08	-14.09	peak	
6		3.3600	25.85	9.75	35.60	56.00	-20.40	peak	
7		12.3000	31.69	9.80	41.49	60.00	-18.51	peak	

Pol	Neutral
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1516	44.10	9.80	53.90	65.91	-12.01	QP	
2		0.1516	24.00	9.80	33.80	55.91	-22.11	AVG	
3		0.1920	40.53	9.80	50.33	63.95	-13.62	peak	
4		0.2490	35.40	9.80	45.20	61.79	-16.59	peak	
5		0.4290	28.62	9.80	38.42	57.27	-18.85	peak	
6		5.7690	26.52	9.80	36.32	60.00	-23.68	peak	
7		11.6069	30.96	9.80	40.76	60.00	-19.24	peak	

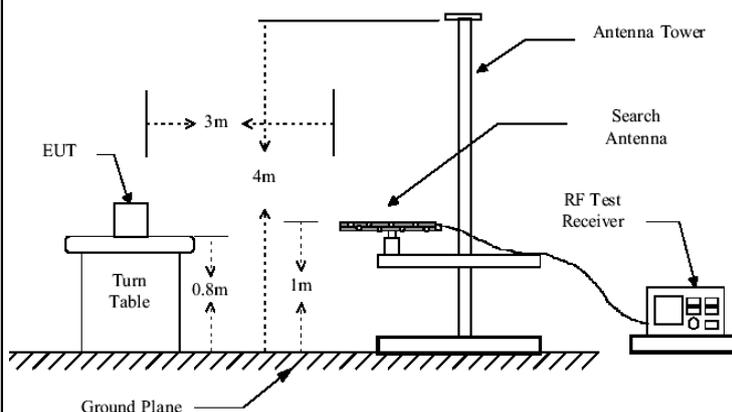
*:Maximum data x:Over limit !:over margin

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

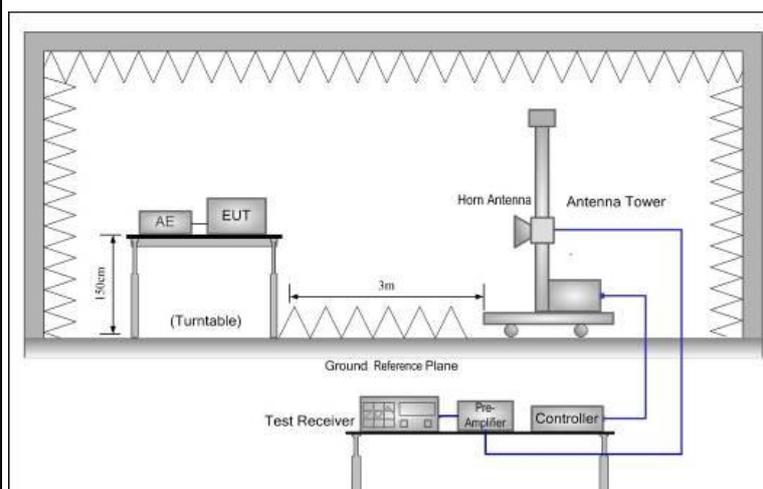
3.2. Radiated Spurious Emission Measurement

3.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209																													
Test Method:	ANSI C63.10: 2013																													
Frequency Range:	9 kHz to 25 GHz																													
Measurement Distance:	3 m																													
Antenna Polarization:	Horizontal & Vertical																													
Receiver Setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>9kHz- 150kHz</td> <td>Quasi-peak</td> <td>200Hz</td> <td>1kHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td>150kHz- 30MHz</td> <td>Quasi-peak</td> <td>9kHz</td> <td>30kHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>100KHz</td> <td>300KHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak Value</td> </tr> <tr> <td>Peak</td> <td>1MHz</td> <td>10Hz</td> <td>Average Value</td> </tr> </tbody> </table>	Frequency	Detector	RBW	VBW	Remark	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	Peak	1MHz	10Hz	Average Value
	Frequency	Detector	RBW	VBW	Remark																									
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value																									
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value																									
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																									
Above 1GHz	Peak	1MHz	3MHz	Peak Value																										
	Peak	1MHz	10Hz	Average Value																										
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Field Strength (microvolts/meter)</th> <th>Measurement Distance (meters)</th> </tr> </thead> <tbody> <tr> <td>0.009-0.490</td> <td>2400/F(KHz)</td> <td>300</td> </tr> <tr> <td>0.490-1.705</td> <td>24000/F(KHz)</td> <td>30</td> </tr> <tr> <td>1.705-30</td> <td>30</td> <td>30</td> </tr> <tr> <td>30-88</td> <td>100</td> <td>3</td> </tr> <tr> <td>88-216</td> <td>150</td> <td>3</td> </tr> <tr> <td>216-960</td> <td>200</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>3</td> </tr> </tbody> </table>	Frequency	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	30	30	30-88	100	3	88-216	150	3	216-960	200	3	Above 960	500	3					
	Frequency	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	30	30																											
	30-88	100	3																											
	88-216	150	3																											
	216-960	200	3																											
	Above 960	500	3																											
	Test setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Field Strength (microvolts/meter)</th> <th>Measurement Distance (meters)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Above 1GHz</td> <td>500</td> <td>3</td> <td>Average</td> </tr> <tr> <td>5000</td> <td>3</td> <td>Peak</td> </tr> </tbody> </table>	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector	Above 1GHz	500	3	Average	5000	3	Peak																	
Frequency		Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector																										
Above 1GHz	500	3	Average																											
	5000	3	Peak																											
Test setup:	<p>For radiated emissions below 30MHz</p> <p>Distance = 3m</p> <p>EUT</p> <p>Turn table</p> <p>Ground Plane</p> <p>Pre -Amplifier</p> <p>Receiver</p> <p>Computer</p>																													
	30MHz to 1GHz																													



Above 1GHz



1. For the radiated emission test below 1GHz:

The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.

For the radiated emission test above 1GHz:

Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum

Test Procedure:

	<p>emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</p> <p>2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level</p> <p>3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.</p> <p>4. Use the following spectrum analyzer settings:</p> <p>(1) Span shall wide enough to fully capture the emission being measured;</p> <p>(2) Set RBW=100 kHz for $f < 1$ GHz; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold;</p> <p>(3) Set RBW = 1 MHz, VBW= 3MHz for $f \leq 1$ GHz for peak measurement.</p> <p>For average measurement: $VBW = 10$ Hz, when duty cycle is no less than 98 percent. $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.</p>
Test results:	PASS

3.2.2. Test Data

Please refer to following diagram for individual

Frequency Range	: 9KHz~30MHz
Test Mode	: TX: channel low, channel mid, channel high (Full Load)
Test Results	: PASS
Note:	<p>1. The test results are listed in next pages.</p> <p>2. This mode is worst case mode, so this report only reflected the worst mode.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.</p>

Freq.	Reading	Antenna Factor	Cable loss	Amp Factor	Result	Limit	Margin	Detect or	State
(MHz)	(dBuV/m)	dB/m	dB	dB	(dBuV/m)	(dBuV/m) at 3 m	(dB)		P/F
0.125	24.36	48.34	0.16	29.87	42.99	125.67	-82.67	PK	PASS
0.125	18.68	48.34	0.16	29.87	37.31	105.67	-68.36	AV	PASS
0.175(F)	92.59	48.34	0.16	29.87	111.22	122.74	-11.52	PK	PASS
0.175(F)	69.53	48.34	0.16	29.87	88.16	102.74	-14.58	AV	PASS
0.205	49.10	48.38	0.17	29.89	67.76	121.37	-53.61	PK	PASS
0.205	46.68	48.38	0.17	29.89	65.34	101.37	-36.03	AV	PASS
0.35	44.90	48.44	0.19	29.89	63.64	116.72	-53.09	PK	PASS
0.35	42.01	48.44	0.19	29.89	60.75	96.72	-35.97	AV	PASS
0.45	44.95	48.47	0.19	29.89	63.72	114.54	-50.82	PK	PASS
0.45	42.26	48.47	0.19	29.89	61.03	94.54	-33.51	AV	PASS
1.928	18.09	49.12	0.2	29.94	37.47	60	-22.53	QP	PASS
1.920	21.54	49.12	0.2	29.94	40.92	60	-19.08	QP	PASS

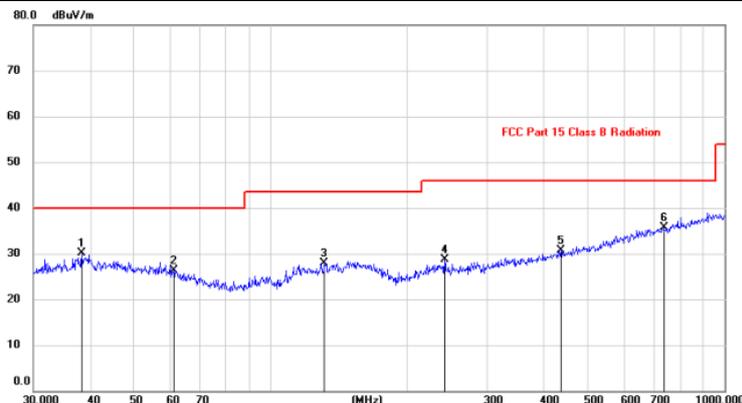
Note: F means Fundamental frequency.

Frequency Range	: 30MHz~1000MHz
Test Mode	: Full Load, Half Load, Empty Load
Test Results	: PASS
Note:	<p>1. The test results are listed in next pages.</p> <p>2. This mode is worst case mode, so this report only reflected the worst mode.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.</p>

Frequency Range	: Above 1GHz	Test Date	: /
EUT	: /	Temperature	: /
M/N	: /	Humidity	: /
Test Engineer	: /		
Test Mode	: /		
Test Results	: N/A		
Note:	<p>1. The highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. So the frequency rang above 1GHz radiation test not applicable.</p>		

30MHz-1GHz

EUT Description	Wireless Power Bank with Charging Dock	Model No.	TB-WDC08
Temperature	24°C	Humidity	56%
Pol	Vertical	Test date	2019/9/11
Test Voltage	AC 120V/60Hz	Test mode	Full Load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	38.3462	15.88	14.25	30.13	40.00	-9.87	peak	
2		61.1316	13.38	12.87	26.25	40.00	-13.75	peak	
3		131.2965	14.26	13.65	27.91	43.50	-15.59	peak	
4		241.6763	16.12	12.56	28.68	46.00	-17.32	peak	
5		434.0651	13.51	17.12	30.63	46.00	-15.37	peak	
6		734.4913	13.49	22.28	35.77	46.00	-10.23	peak	

Pol Horizontal

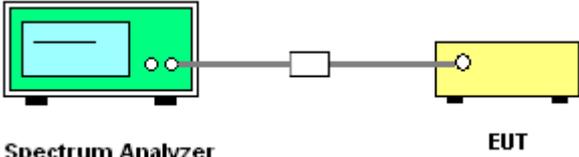


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		38.3462	15.78	14.25	30.03	40.00	-9.97	peak	
2		91.8163	17.29	10.22	27.51	43.50	-15.99	peak	
3		151.0666	14.51	14.99	29.50	43.50	-14.00	peak	
4	*	226.8936	24.58	12.08	36.66	46.00	-9.34	peak	
5		291.0360	19.07	13.83	32.90	46.00	-13.10	peak	
6		701.7610	13.54	21.77	35.31	46.00	-10.69	peak	

*:Maximum data x:Over limit !:over margin

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

3.3. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)
Test Method:	ANSI C63.10: 2013
Limit:	N/A
Test Procedure:	<ol style="list-style-type: none"> 1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; $RBW \geq 1\%$ of the 20 dB bandwidth; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report.
Test setup:	 <p>The diagram illustrates the test setup. On the left is a Spectrum Analyzer, represented by a green box with a blue screen and two small circles. A cable connects it to a small white rectangular component. This component is further connected to a yellow box labeled 'EUT' (Equipment Under Test).</p>
Test Mode:	Mid Channel
Test results:	PASS

4. Antenna Requirements

4.1. Limit

15.203 requirement:

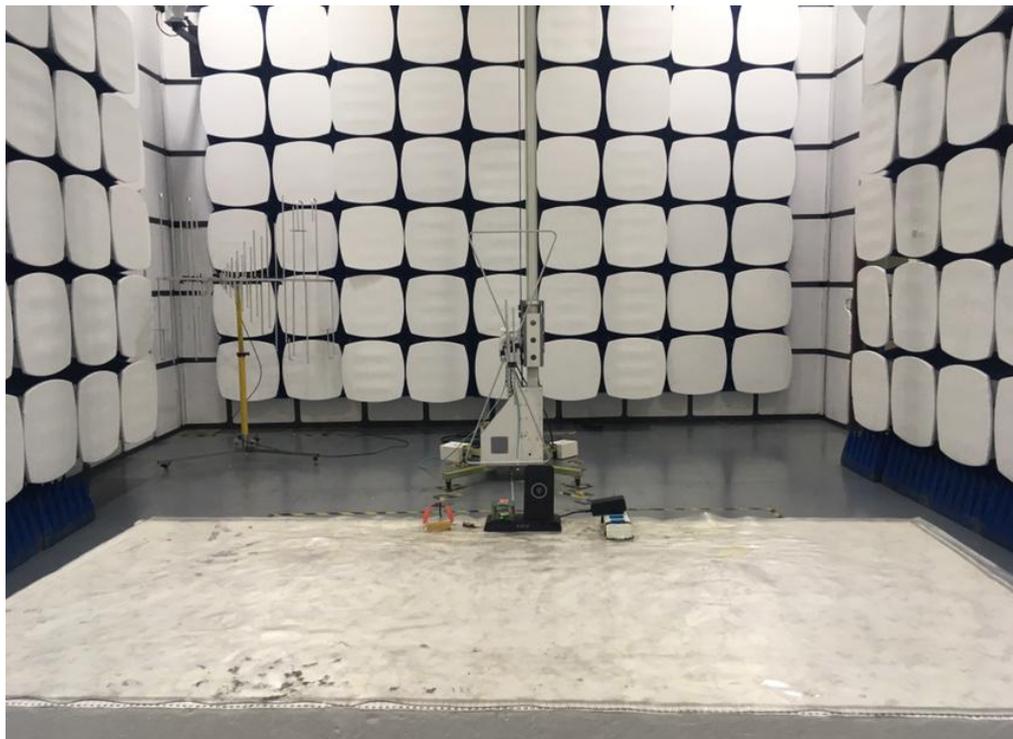
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

4.2. Result

The antenna is coil antenna which permanently attached. It complies with the standard requirement.

5. Photos of test setup

Radiated Emission

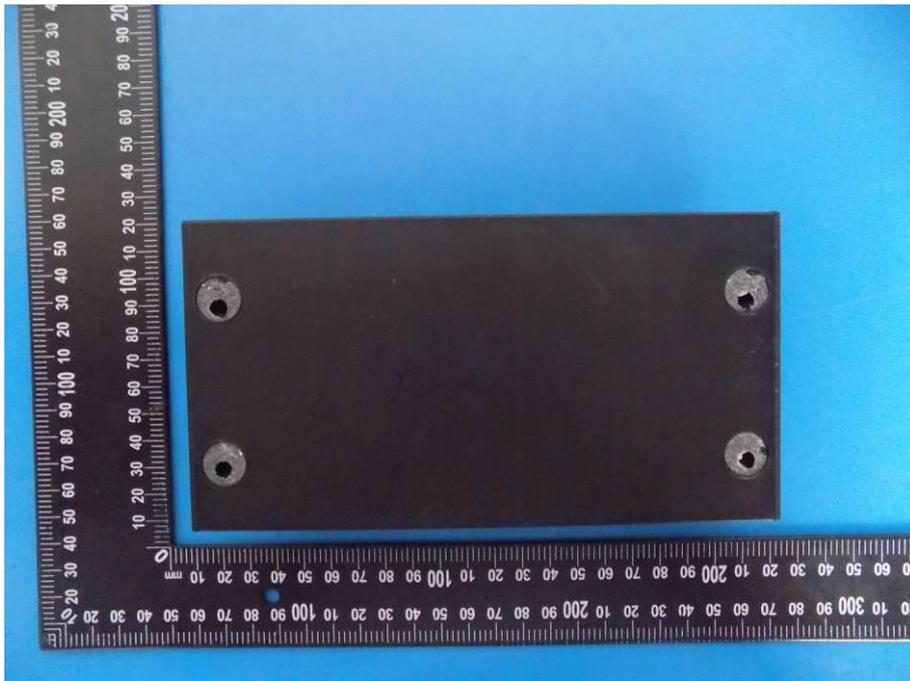


Conducted Emission

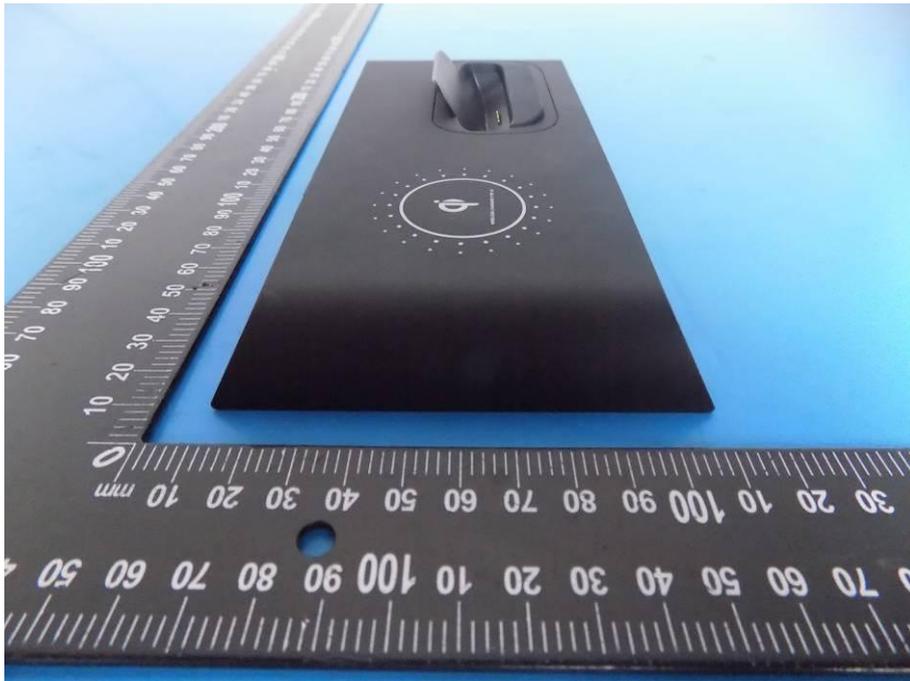


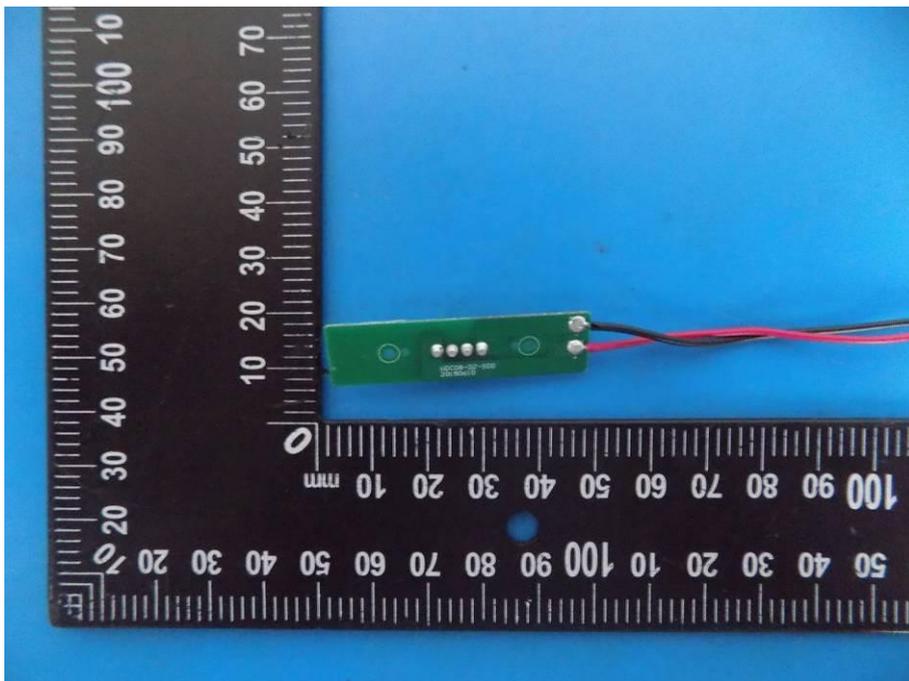
6. Photographs of EUT

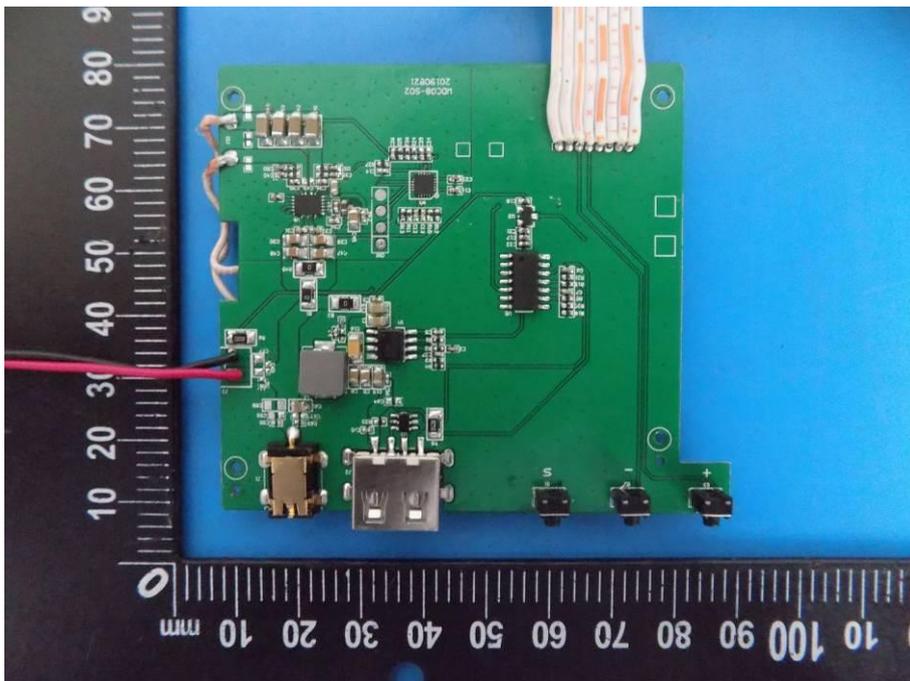
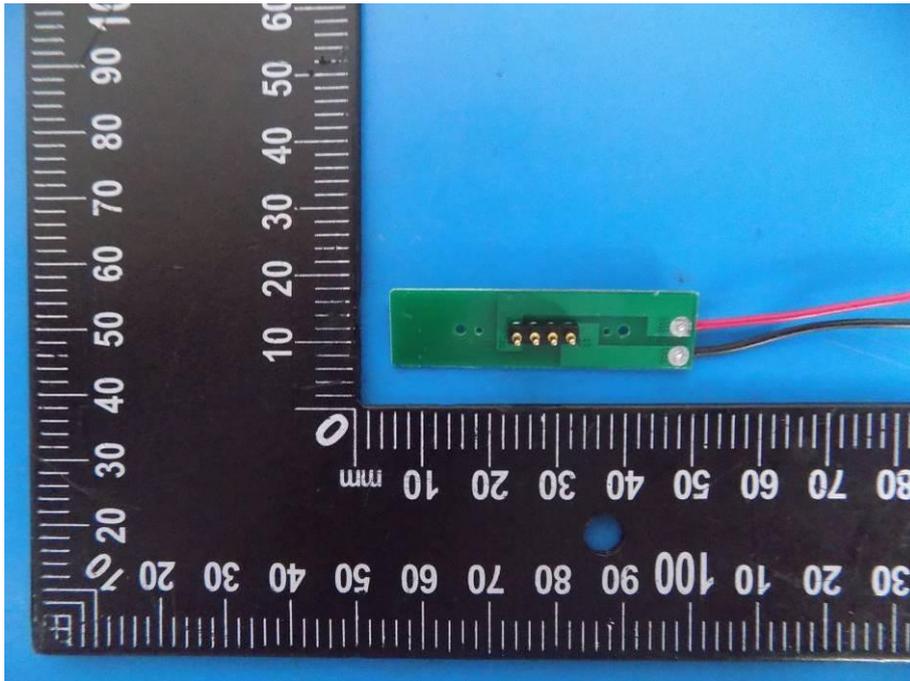


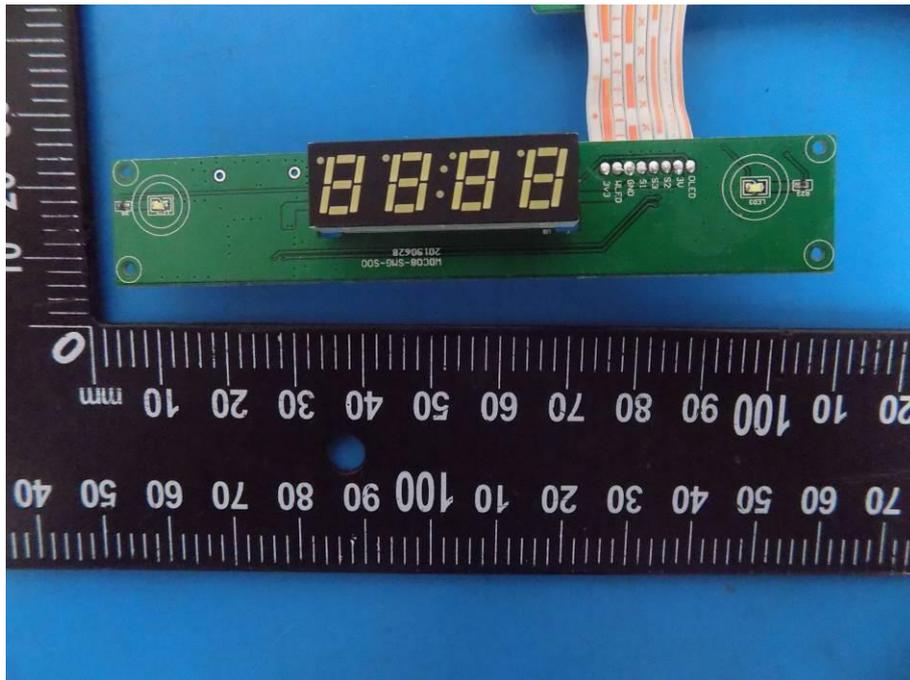
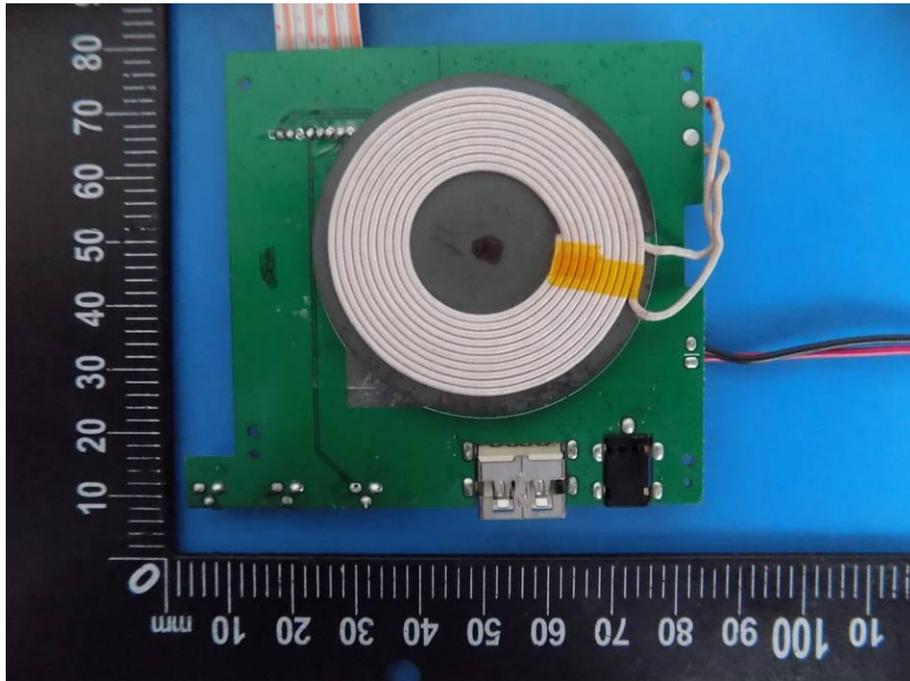


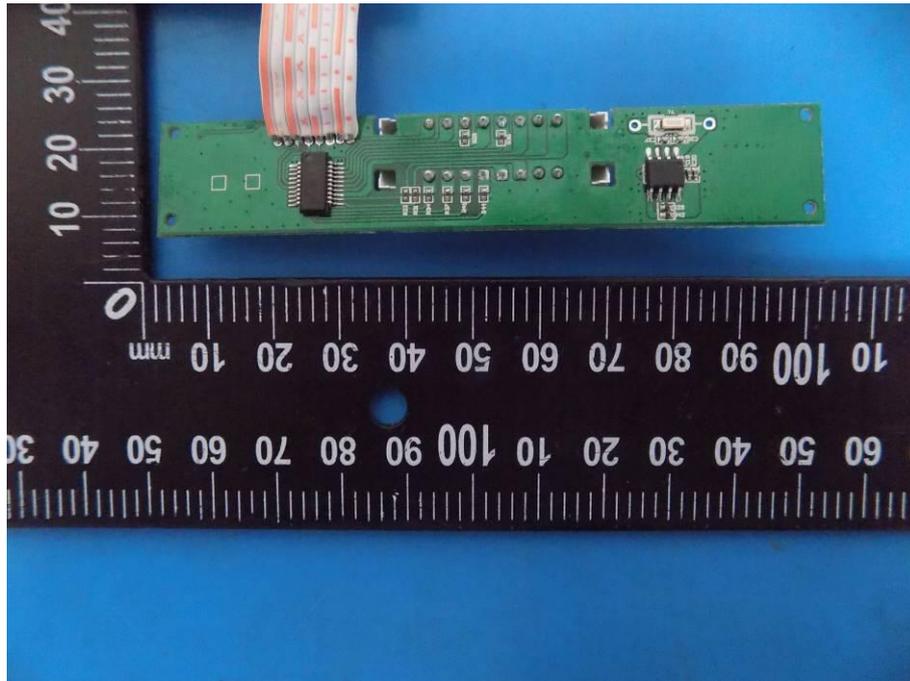












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