

TEST REPORT

FCC ID: 2AMBA-A899

Product: On-board Music Charger

Model No.: T10S

Additional Model No.: T36, T37, T38, T39, T40, BH148A

Trade Mark: N/A

Report No.: TCT171130E015

Issued Date: Dec. 04, 2017

Issued for:

Dongguan Pinmi Electronic Technology Co., Ltd.

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Tangxia Town, Dongguan, China

Issued By:

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1. Test Certification

Product:	On-board	l Music Char	ger				
Model No.:	T10S		(3)	((C)		(C
Additional Model No.:	T36, T37	, T38, T39, T	40, BH148A				
Trade Mark:	N/A	(0)		(C)		(01)	
Applicant:	Donggua	n Pinmi Elect	ronic Techn	ology Co., I	Ltd.		
Address:	2F, E Building, Hongda Industrial Park, Jianshe Road, Shima Community, Tangxia Town, Dongguan, China					(C	
Manufacturer:	Donggua	n Pinmi Elect	ronic Techn	ology Co., I	Ltd.		
Address:	·	lding, Hongd ity, Tangxia T				l, Shima	
Date of Test:	Nov. 27,	2017 - Dec. 0)4, 2017				
Applicable Standards:	FCC CFF	R Title 47 Par	t 15 Subpar	t C Section	15.249		

The above equipment has been tested by Shenzhen Tongce Testing Lab. 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.

Reviewed By:

Date: Nov. 27, 2017

Brews Xu

Date: Dec. 04, 2017

Joe Zhou

Tomsin

Date: Dec. 04, 2017



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna Requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	N/A
Field Strength of Fundamental	§15.249 (a)	PASS
Spurious Emissions	§2.1053 §15.249 (a) (d)/ §15.209	PASS
Band Edge	§2.1053 §15.249 (d)/ §15.205	PASS
20dB Occupied Bandwidth	§2.1049 §15.215 (c)	PASS

Note:

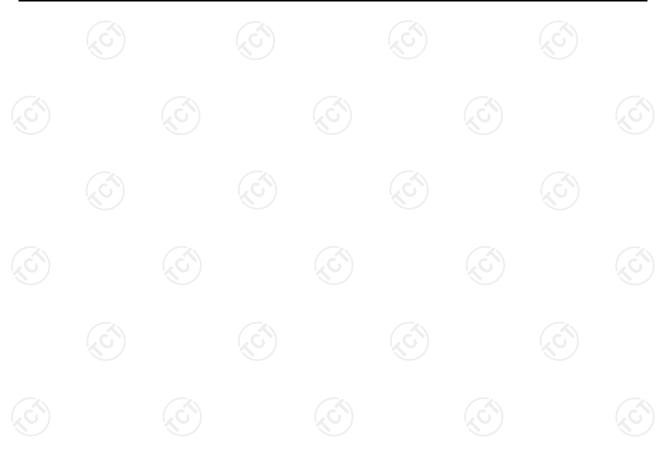
- 1. Pass: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.





3. EUT Description

Product:	On-board Music Charger	
Model No.:	T10S	
Additional Model No.: T36, T37, T38, T39, T40, BH148A		
Trade Mark:	N/A	
Operation Frequency:	2402MHz - 2480MHz	
Number of Channel:	79	
Modulation Technology:	GFSK	
Antenna Type:	PCB antenna	
Antenna Gain:	0dBi	
Power supply:	DC12V	
Remark:	All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are color and model name for commercial purpose.	





Operation Frequency each of channel for GFSK, π/4-DQPSK, 8DPSK

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
()1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
···		<i>/</i>		<i></i>		·	
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
			9				
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	_ 59	2461MHz		-

Remark: Channel 0, 39 &78 have been tested for GFSK, π /4-DQPSK, 8DPSK modulation mode.

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2441MHz
The Highest channel	2480MHz





4. Genera Information

4.1. Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

Pre-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	X	Y	Z
Field Strength(dBuV/m)	85.48	91.00	87.42

Final Test Mode:

The EUT was tested in GFSK, π /4QPSK, 8DPSK modulation, and found the GFSK modulation is the worst case.

According to ANSI C63.4 standards, the test results are both the "worst case" and "worst setup": Y axis (see the test setup photo)





4.2. 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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1	1) 1	(0) 1	(0)

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended





5. Facilities and Accreditations

5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2.Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

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

No.	Item	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1GHz)	±3.92dB
5	All emissions, radiated(>1GHz)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%



6. Test Results and Measurement Data

6.1. Antenna Requirement

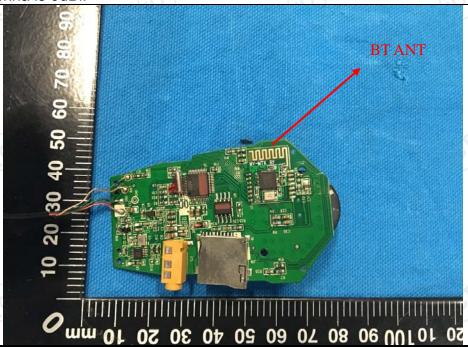
Standard requirement: FCC Part15 C Section 15.203

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.

E.U.T Antenna:

The EUT antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 0dBi.





6.2. Conducted Emission

6.2.1. Test Specification

		(-G)	——————————————————————————————————————				
Test Requirement:	FCC Part15 C Section	15.207					
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013					
Frequency Range:	150 kHz to 30 MHz	150 kHz to 30 MHz					
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto						
Limits:	Frequency range (MHz) Limit (dBuV) 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50						
Test Setup:	Reference Plane LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network						
Test Mode:	Test table height=0.8m Transmitting mode with	n modulation					
Test Procedure:	1. The E.U.T and simulation power through a line (L.I.S.N.). This proimpedance for the magnetic power through a LI coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interference emission, the relative the interface cables ANSI C63.10:2013 of the sides and the	e impedance stale by ides a 500hm leasuring equipm les are also connot sN that provides with 500hm term diagram of the line are checkinge. In order to five positions of equals must be changed.	bilization network n/50uH coupling nent. ected to the main s a 50ohm/50uH mination. (Please test setup and led for maximum and the maximum uipment and all of ged according to				
Test Result:	N/A; The EUT is power applicable.	ed by car's powe	er DC 12V, So not				





6.3. Radiated Emission Measurement

6.3.1. Test Specification

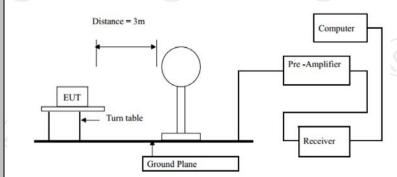
Test Requirement:	FCC Part15	C Section	า 15.209/	Part 2 J	Section 2.1053
Test Method:	ANSI C63.1	0:2013			
Frequency Range:	9 kHz to 25	GHz	(ci)		
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal 8	₹ Vertical			
/ Intollia i Glarizationi	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
Receiver Setup:	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
·	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
	710070 10112	Peak	1MHz	10Hz	Average Value
Limit/Field atremeth of the	Freque	ency	Limit (dBu\	//m @3m)	Remark
Limit(Field strength of the			94.		Average Value
fundamental signal):	2400MHz-24	183.5MHz	114	.00	Peak Value
	Frogue	nov.	Limit (dDu)	//m @2m)	Domark
	Freque	-	Limit (dBuV/m @3m) 2400/F(KHz)		Remark Quasi-peak Value
	0.009-0.490 0.490-1.705		2400/F(KHz)		Quasi-peak Value
	1.705-30		30		Quasi-peak Value
Limit/One disease Fusioni and	201117 001117		40.0		Quasi-peak Value
Limit(Spurious Emissions):	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54		Average Value
			74.0		Peak Value
Limit (band edge) :	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.				
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber in below 1GHz, 1.5m above the ground in above 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna 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.

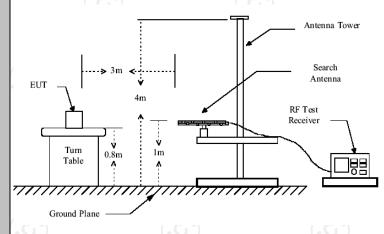
- 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

For radiated emissions below 30MHz



30MHz to 1GHz

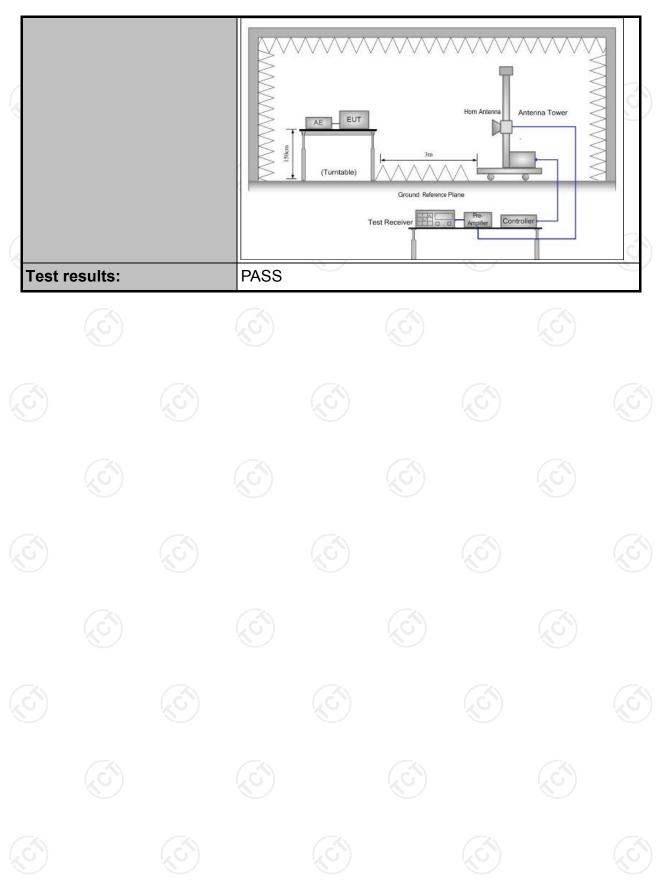
Test setup:



Above 1GHz

(The diagram below shows the test setup that is utilized to make the measurements for emission from 1GHz to the tenth harmonic of the highest fundamental frequency or to 40GHz emissions, whichever is lower.)









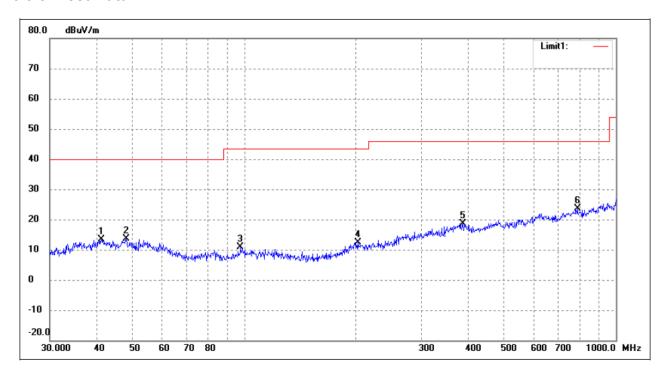
6.3.2. Test Instruments

	Radiated Em	ission Test Si	te (966)		
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 27, 2018	
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ	200061	Sep. 27, 2018	
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 27, 2018	
Pre-amplifier	HP	8447D	2727A05017	Sep. 27, 2018	
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 27, 2018	
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 27, 2018	
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 27, 2018	
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018	
Antenna Mast	Keleto	CC-A-4M	N/A	N/A	
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 27, 2018	
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 27, 2018	
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 27, 2018	
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 27, 2018	
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



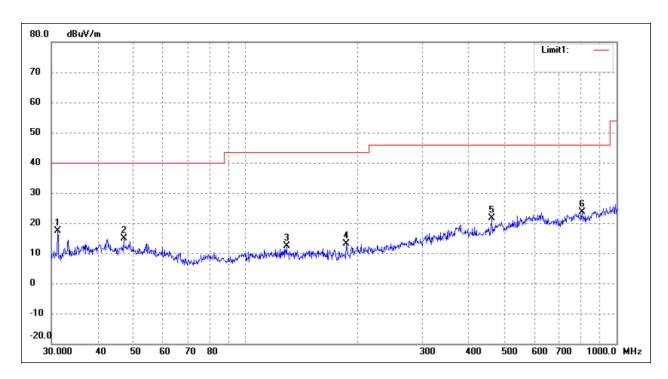
6.3.3. Test Data



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	41.2765	21.05	-7.75	13.30	40.00	-26.70	123	100	peak
2	48.1626	21.80	-8.20	13.60	40.00	-26.40	163	100	peak
3	97.7983	22.23	-11.35	10.88	43.50	-32.62	89	100	peak
4	202.1005	21.16	-8.66	12.50	43.50	-31.00	221	100	peak
5	387.9920	21.18	-2.51	18.67	46.00	-27.33	265	100	peak
6	787.8513	21.03	2.51	23.54	46.00	-22.46	246	100	peak







No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	31.1798	27.34	-10.01	17.33	40.00	-22.67	149	100	peak
2	46.9948	23.05	-8.13	14.92	40.00	-25.08	131	100	peak
3	129.0146	24.43	-11.94	12.49	43.50	-31.01	53	100	peak
4	187.0958	23.49	-10.40	13.09	43.50	-30.41	297	100	peak
5	460.7271	24.28	-2.63	21.65	46.00	-24.35	176	100	peak
6	807.4291	21.82	1.75	23.57	46.00	-22.43	222	100	peak

Remark:

- (1) Measuring frequencies from 9 KHz to the 1 GHz, Radiated emission test from 9KHz to 30MHz was verified, and no any emission was found except system noise floor.
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.





Above 1 GHz Test Results:

CH Low (2402MHz) Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	100
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detecto Type
2402 109.28 -5.8		-5.84	103.44	114	-10.56	peak
2402	84.83	-5.84	78.99	94	-15.01	AVG
4804	57.14	-3.64	53.5	74	-20.5	peak
4804	46.79	-3.64	43.15	54	-10.85	AVG
7206	55.27	-0.95	54.32	74	-19.68	peak
7206	40.05	-0.95	39.1	54	-14.9	AVG
<u>(c)</u>			(5	<u></u>	<u>((</u> ()	

Vertical:

	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	5
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
	2402 108.81 -5.84		102.97	114	-11.03	peak	
	2402	85.46	-5.84	79.62	94	-14.38	AVG
	4804	55.38	-3.64	51.74	74	-22.26	peak
	4804	43.02	-3.64	39.38	54	-14.62	AVG
	7206	53.69	-0.95	52.74	74	-21.26	peak
	7206	38.71	-0.95	37.76	54	-16.24	AVG
1				(C)	(5)		+6
⊩				L(C)-	(C)		

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.





CH Middle (2440MHz) Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	(.ć	
(MHz)	(MHz) (dBµV) (dB)		(dBµV/m) (dBµV/m)		(dB)	Detector Type	
2440	108.88	-5.71	103.17	114	-10.83	peak	
2440	84.53	-5.71	78.82	94	-15.18	AVG	
4880	56.16	-3.51	52.65	74	-21.35	peak	
4880	43.49	-3.51	39.98	54	-14.02	AVG	
7320	52.05	-0.82	51.23	74	-22.77	peak	
7320	39.02	-0.82	38.2	54	-15.8	AVG	
				<u></u>			
<u>(</u> C))		$(C_{\overline{C}})$			<u>(</u> C)		

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

	1201			1,01		
	((3)		-64
7320	38.15	-0.82	37.33	54	-16.67	AVG
7320	51.99	-0.82	51.17	74	-22.83	peak
4880	43.28	-3.51	39.77	54	-14.23	AVG
4880	55.63	-3.51	52.12	74	-21.88	peak
2440	83.44	-5.71	77.73	94	-16.27	AVG
2440	107.17	-5.71	101.46	114	-12.54	peak
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.





CH High (2480MHz) Horizontal:

(dBµV) 107.49 83.42	(dB) -5.65	(dBµV/m) 101.84	(dBµV/m)	(dB) -12.16	Detector Type
		101.84	114	-12.16	
83.42				0	peak
	-5.65	77.77	94	-16.23	AVG
55.73	-3.43	52.3	74	-21.7	peak
44.26	-3.43	40.83	54	-13.17	AVG
52.61	-0.75	51.86	74	-22.14	peak
37.59	-0.75	36.84	54	-17.16	AVG
	(<u>-</u> 4)	/	<u></u>	(3	
	55.73 44.26 52.61 37.59	55.73 -3.43 44.26 -3.43 52.61 -0.75 37.59 -0.75 	55.73 -3.43 52.3 44.26 -3.43 40.83 52.61 -0.75 51.86 37.59 -0.75 36.84	55.73 -3.43 52.3 74 44.26 -3.43 40.83 54 52.61 -0.75 51.86 74 37.59 -0.75 36.84 54	55.73 -3.43 52.3 74 -21.7 44.26 -3.43 40.83 54 -13.17 52.61 -0.75 51.86 74 -22.14 37.59 -0.75 36.84 54 -17.16

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Ditt
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2480	107.11	-5.65	101.46	114	-12.54	peak
2480	81.47	-5.65	75.82	94	-18.18	AVG
4960	53.82	-3.43	50.39	74	-23.61	peak
4960	41.34	-3.43	37.91	54	-16.09	AVG
7440	51.68	-0.75	50.93	74	-23.07	peak
7440	37.24	-0.75	36.49	54	-17.51	AVG
+61			(<u> </u>	(3	

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "--- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

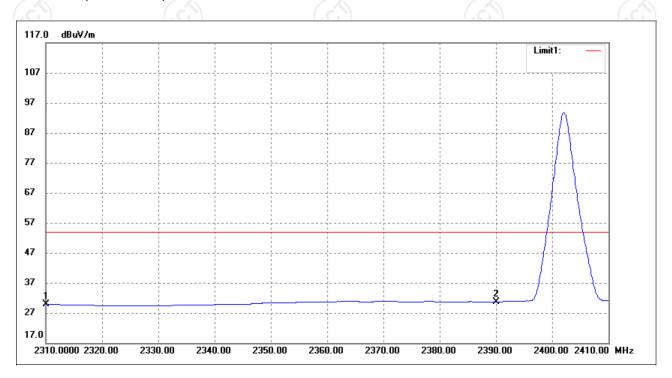


BAND EDGE

Radiated Band Edge Test:

Operation Mode: TX CH Low (2402MHz)

Horizontal (Worst case)

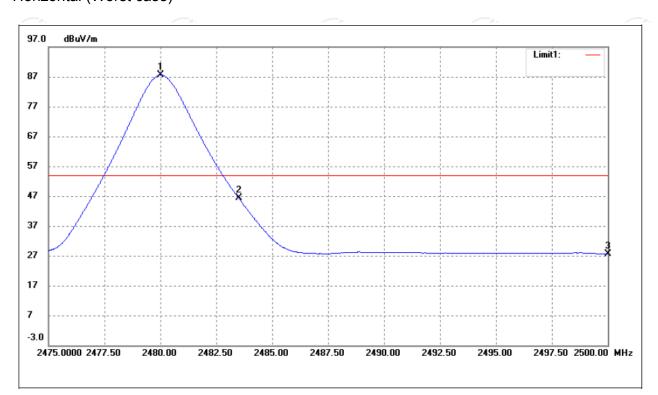


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	34.30	-4.42	29.88	54.00	-24.12	Average Detector
	2310.000	47.29	-4.42	42.87	74.00	-31.13	Peak Detector
2	2390.000	34.36	-3.72	30.64	54.00	-23.36	Average Detector
	2390.000	46.35	-3.72	42.63	74.00	-31.37	Peak Detector





Operation Mode: TX CH High (2480MHz) Horizontal (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.025	90.91	-3.33	87.58	/	/	Average Detector
	2480.000	91.12	-3.33	87.79	/	/	Peak Detector
2	2483.500	49.63	-3.33	46.30	54.00	-7.70	Average Detector
	2483.500	56.50	-3.33	53.17	74.00	-20.83	Peak Detector
3	2500.000	30.86	-3.28	27.58	54.00	-26.42	Average Detector
	2500.000	43.18	-3.28	39.90	74.00	-34.10	Peak Detector





6.4.20dB Occupied Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)/ Part 2 J Section 2.1049
Test Method:	ANSI C63.10: 2013
Limit:	N/A
	 According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set to the maximum power setting and enable the EUT transmit continuously. 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≥1% of the 20 dB bandwidth; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report.
Test setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test results:	PASS
7. 9. 1	

6.4.2. Test Instruments

	RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



6.4.3. Test data

	Test Channel	20dB Occupy Bandwidth (kHz)	Limit	Conclusion
	Lowest	731.429	(8)	PASS
I	Middle	724.609		PASS
I	Highest	722.125		PASS

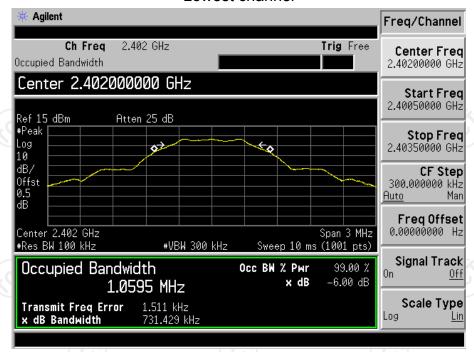
Test plots as follows:



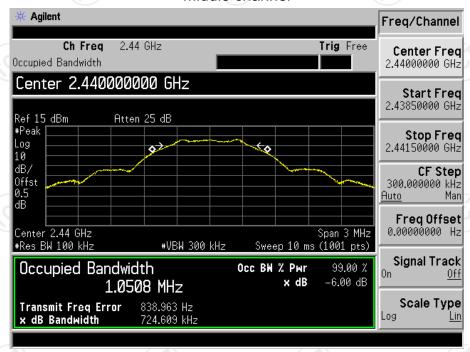




Lowest channel

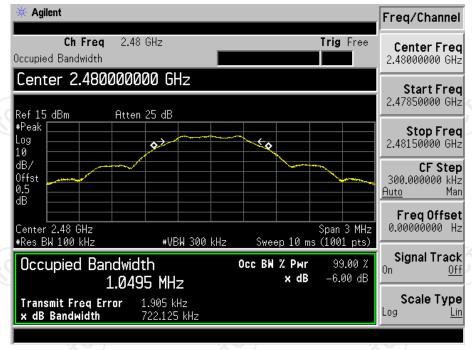


Middle channel





Highest channel

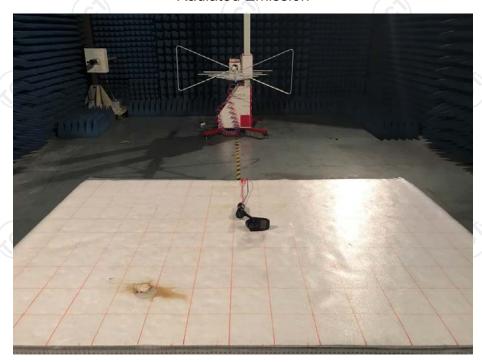






Appendix A: Photographs of Test Setup Product: On-board Music Charger

Product: On-board Music Charger Model: T10S Radiated Emission







Appendix B: Photographs of EUT

Product: On-board Music Charger Model No.: T10S External photos





TCT通测检测 testing centre technology

Report No.: TCT171130E015





TCT通测检测
TESTING CENTRE TECHNOLOGY

Report No.: TCT171130E015

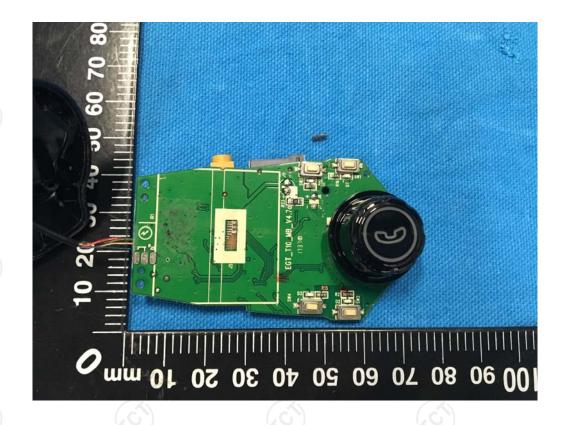




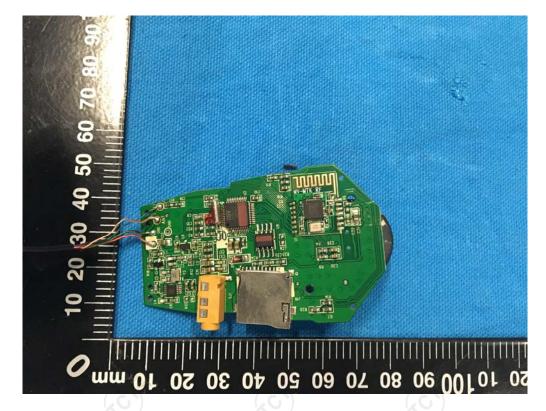


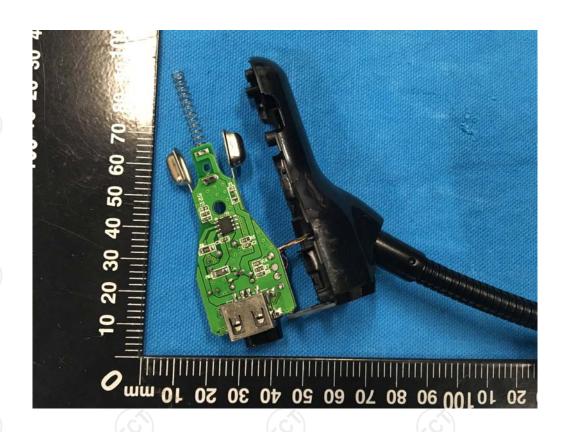
Internal photos



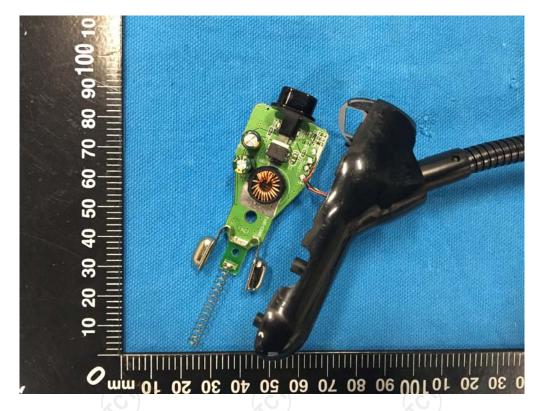


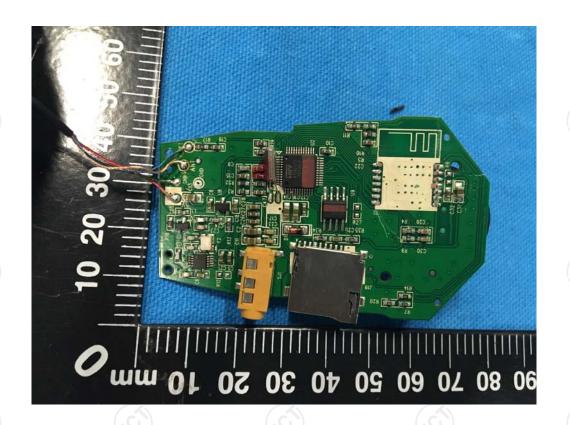




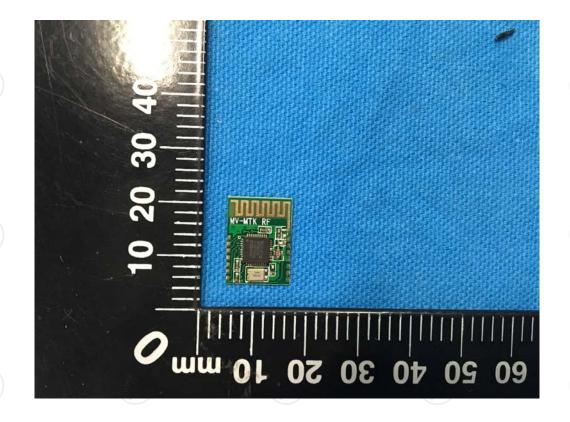


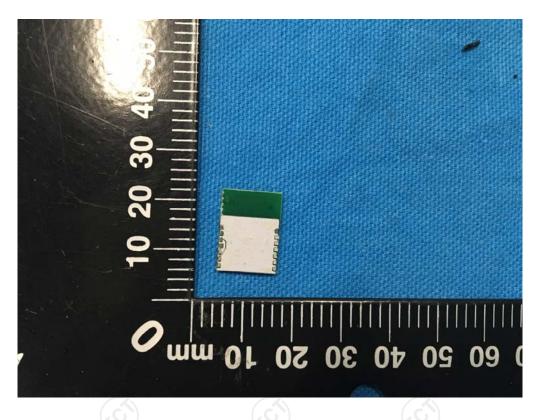












*****END OF REPORT****