

TEST REPORT

FCC ID: 2AKIN-CNMD0016

Product: CINEMOOD STORYTELLER

Model No.: CNMD0016

Additional Model: CNMD0016XX

Trade Mark: CINEMOODD

Report No.: TCT161201E043 Issued Date: Dec. 29, 2016

Issued for:

CINEMOOD Trendsetters co.
2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware
19808, US

Issued By:

Shenzhen Tongce Testing Lab.

1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China

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1. Test Certification

Report No.: TCT161201E043

Product:	CINEMOOD STORYTELLER
Model No.:	CNMD0016
Additional Model No.:	CNMD0016XX
Applicant:	CINEMOOD Trendsetters co.
Address:	2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware 19808, US
Manufacturer:	Jiuzhou Group(Hong Kong)Holdings Limited
Address:	Jinzhou Industrial Park, Gongming, Guangming New District, Shenzhen
Date of Test:	Dec. 02 – Dec. 27, 2016
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 KDB 558074 D01 DTS Meas Guidance v03r05

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.

Tested By:	Jin Wang	Date:	Dec. 28, 2016	
(6)	Jin Wang	Į.	0)	
Reviewed By:	Zonthon	Date:	Dec. 29, 2016	
	Joe Zhou			
Approved By:	Tomsin	Date:	Dec. 29. 2016	



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247 (b)(3) §2.1046	PASS
6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	1§5.247(d) §2.1051, §2.1057	PASS
Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	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 Name:	CINEMOOD STORYTELLER
Model :	CNMD0016
Additional Model:	CNMD0016XX
Trade Mark:	CINEMOOD
Hardware Version:	V1.3
Software Version:	170.user
BT Version:	V4.0
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type:	Internal Antenna
Antenna Gain:	0dBi
Power Supply:	DC 3.7V from rechargeable lithium battery Adapter Information: Model: YB-2.0A Input: 100-240V AC, 50/60Hz, 0.6A Max Output: DC 5V, 2A
Remark:	CNMD0016XX : XX – It's regional code like US/RU/EU, etc.

Operation Frequency each of channel

Operation requestey each or charmer								
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz	
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz	
					•••			
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz	
9 2420MHz 19 2440MHz 29 2460MHz 39 2480MHz								
Remark:	Remark: Channel 0, 19 & 39 have been tested.							



4. Genera Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.

The sample was placed (0.1m 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.

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)

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 use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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5. Facilities and Accreditations

5.1. Facilities

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

FCC - Registration No.: 572331

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

CNAS - Registration No.: CNAS L6165
 Shenzhen TCT Testing Technology Co., Ltd. is accredited to ISO/IEC 17025:2005
 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6165.

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China

Tel: 86-755-36638142

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(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±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 /247(c)

15.203 requirement:

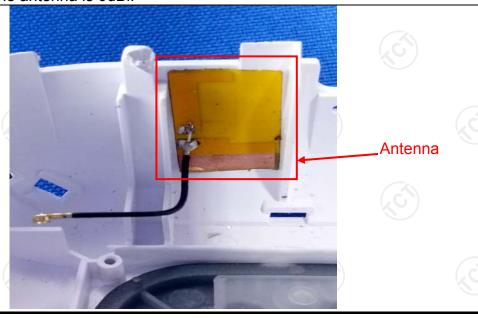
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is an internal antenna which permanently attached, and the best case gain of the antenna is 0dBi.





6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207	Ke				
Test Method:	ANSI C63.10:2013						
Frequency Range:	150 kHz to 30 MHz		(c)				
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	e=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:	Adapter E.U.T Adapter Filter AC power EMI Receiver Remark E.U.T. Equipment Under Test LISN Line Impedence Stabilization Network						
Test Mode:	Test table height=0.8m Charging + Transmitting Mode						
Test Procedure:	 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. 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). 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						



6.2.2. Test Instruments

Report No.: TCT161201E043

Conducted Emission Shielding Room Test Site (843)										
Equipment Manufacturer Model Serial Number Calibration										
EMI Test Receiver	R&S	ESCS30	100139	Aug. 11, 2017						
LISN	Schwarzbeck	NSLK 8126	8126453	Aug. 16, 2017						
Coax cable (9kHz-40GHz)	тст	CE-05	N/A	Aug. 11, 2017						
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).



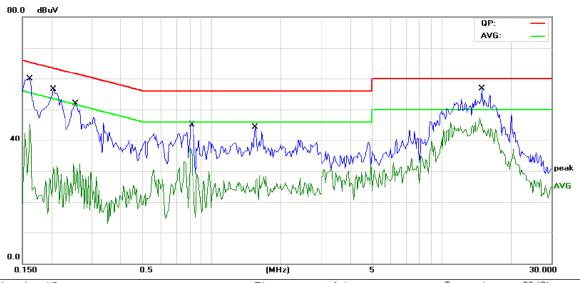




6.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site Chamber #2 Phase: L1 Temperature: 23 (C)
Limit: FCC Part 15B Class B Conduction(QP) Power: Humidity: 54 %

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1617	40.23	11.49	51.72	65.37	-13.65	QP	
2	0.1617	21.05	11.49	32.54	55.37	-22.83	AVG	
3 *	0.2047	38.90	11.47	50.37	63.41	-13.04	QP	
4	0.2047	20.43	11.47	31.90	53.41	-21.51	AVG	
5	0.2555	34.41	11.44	45.85	61.57	-15.72	QP	
6	0.2555	17.12	11.44	28.56	51.57	-23.01	AVG	
7	0.8180	29.06	11.22	40.28	56.00	-15.72	QP	
8	0.8180	21.04	11.22	32.26	46.00	-13.74	AVG	
9	1.5367	20.46	11.47	31.93	56.00	-24.07	QP	
10	1.5367	6.28	11.47	17.75	46.00	-28.25	AVG	
11	14.9609	34.31	11.71	46.02	60.00	-13.98	QP	
12	14.9609	24.33	11.71	36.04	50.00	-13.96	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

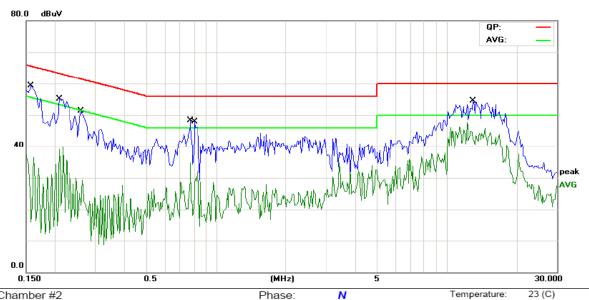
Q.P. =Quasi-Peak

AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site Chamber #2 Phase: N Temperature: 23 (C)
Limit: FCC Part 15B Class B Conduction(QP) Power: Humidity: 54 %

No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector	Comment
1 '	*	0.1578	44.36	11.49	55.85	65.57	-9.72	QP	
2		0.1578	23.73	11.49	35.22	55.57	-20.35	AVG	
3		0.2086	37.87	11.47	49.34	63.26	-13.92	QP	
4		0.2086	18.65	11.47	30.12	53.26	-23.14	AVG	
5		0.2594	34.65	11.44	46.09	61.45	-15.36	QP	
6		0.2594	15.06	11.44	26.50	51.45	-24.95	AVG	
7		0.7750	30.59	11.22	41.81	56.00	-14.19	QP	
8		0.7750	14.50	11.22	25.72	46.00	-20.28	AVG	
9		0.8063	33.36	11.23	44.59	56.00	-11.41	QP	
10		0.8063	16.12	11.23	27.35	46.00	-18.65	AVG	
11		13.0272	34.41	11.52	45.93	60.00	-14.07	QP	
12		13.0272	23.90	11.52	35.42	50.00	-14.58	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz



6.3. Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)				
Test Method:	KDB558074				
Limit:	30dBm				
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Refer to item 4.1				
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r05. Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level. 				
Test Result:	PASS				

6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017
RF cable (9kHz-40GHz)	тст	RE-06	N/A	Aug. 12, 2017
Antenna Connector	TCT	RFC-01	N/A	Aug. 12, 2017

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

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6.3.3. Test Data

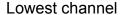
BT LE mode					
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result		
Lowest	-16.64	30.00	PASS		
Middle	-15.62	30.00	PASS		
Highest	-15.51	30.00	PASS		

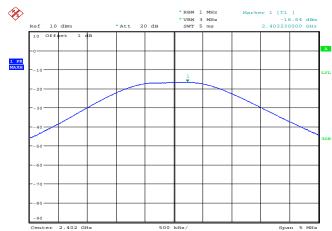
Test plots as follows:





BT LE mode

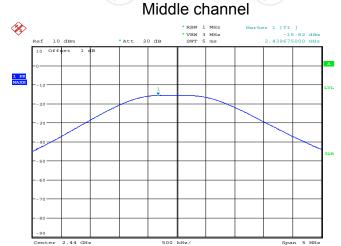




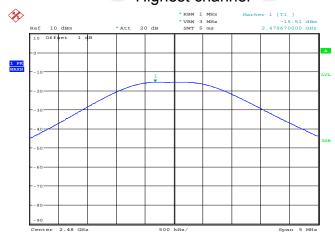


Date: 23.DEC.2016 19:01:15

Date: 23.DEC.2016 19:01:35



Highest channel



Date: 23.DEC.2016 19:01:49



6.4. Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074
Limit:	>500kHz
Test Setup:	
	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r05. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report.
Test Result:	PASS

6.4.2. Test Instruments

RF Test Room							
Equipment Manufacturer Model Serial Number Ca				Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017			
RF cable (9kHz-40GHz)	б тст	RE-06	N/A	Aug. 12, 2017			
Antenna Connector	TCT	RFC-01	N/A	Aug. 12, 2017			

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

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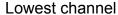
6.4.3. Test data

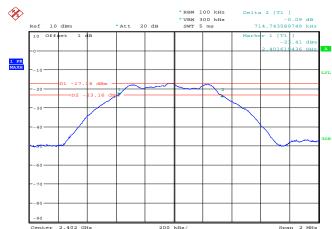
Toot shannel	6dB Emission I	Bandwidth (kHz)
Test channel	BT LE mode	Limit	Result
Lowest	714.74	>500k	0
Middle	709.13	>500k	PASS
Highest	711.54	>500k	

Test plo	ots as follow	rs:			



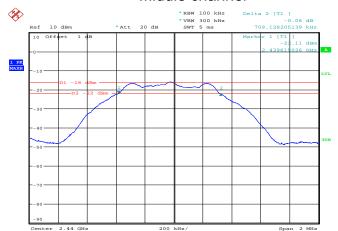
BT LE mode





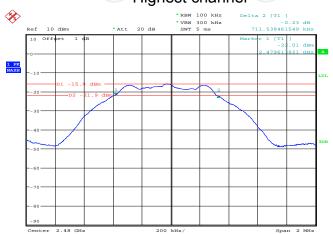
Date: 23.DEC.2016 19:05:24

Middle channel



Date: 23.DEC.2016 19:04:36

Highest channel



Date: 23.DEC.2016 19:03:34



6.5. Power Spectral Density

6.6. Test Specification

FCC Part15 C Section 15.247 (e)
KDB558074
The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.
Spectrum Analyzer EUT
Refer to item 4.1
 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v03r05 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report.
PASS

6.6.1. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017			
RF cable (9kHz-40GHz)	тст	RE-06	N/A	Aug. 12, 2017			
Antenna Connector	тст	RFC-01	N/A	Aug. 12, 2017			

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



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6.6.2. Test data

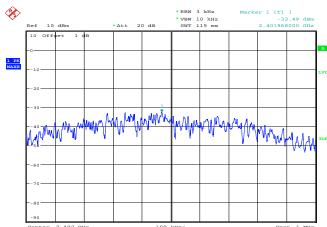
Test channel	Power Spectral D	ensity (dBm/3kl	Hz)
Test channel	BT LE mode	Limit	Result
Lowest	-32.49	8 dBm/3kHz	
Middle	-31.19	8 dBm/3kHz	PASS
Highest	-31.01	8 dBm/3kHz	

Test plots as follows:



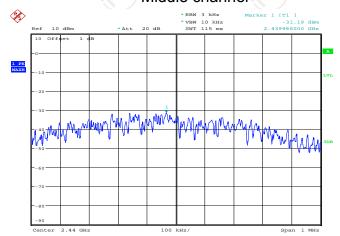


Lowest channel



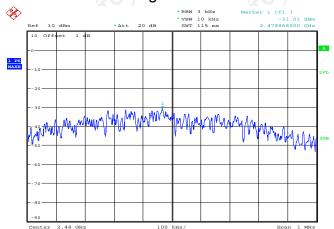
Date: 23.DEC.2016 19:07:04

Middle channel



Date: 23.DEC.2016 19:07:37

Highest channel



Date: 23.DEC.2016 19:08:00



6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)			
Test Method:	KDB558074			
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).			
Test Setup:	Structure Analysis EUT			
Test Mode:	Refer to item 4.1			
rest wode:				
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 			
Test Result:	PASS			

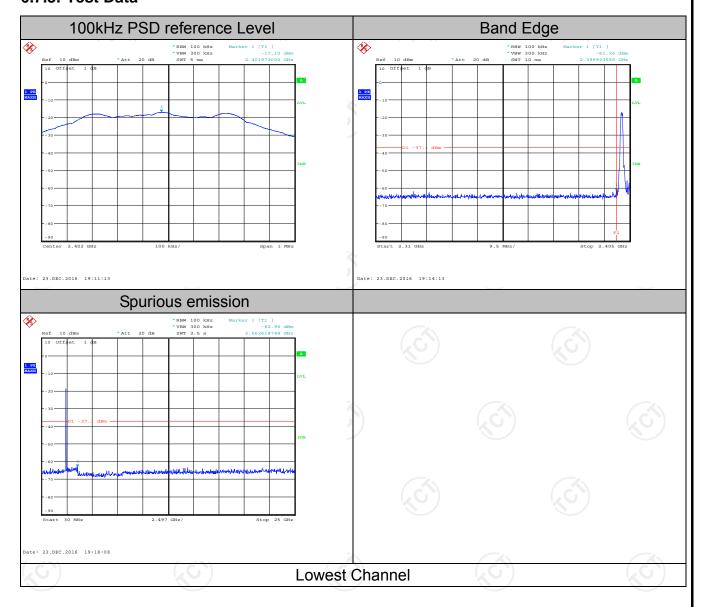


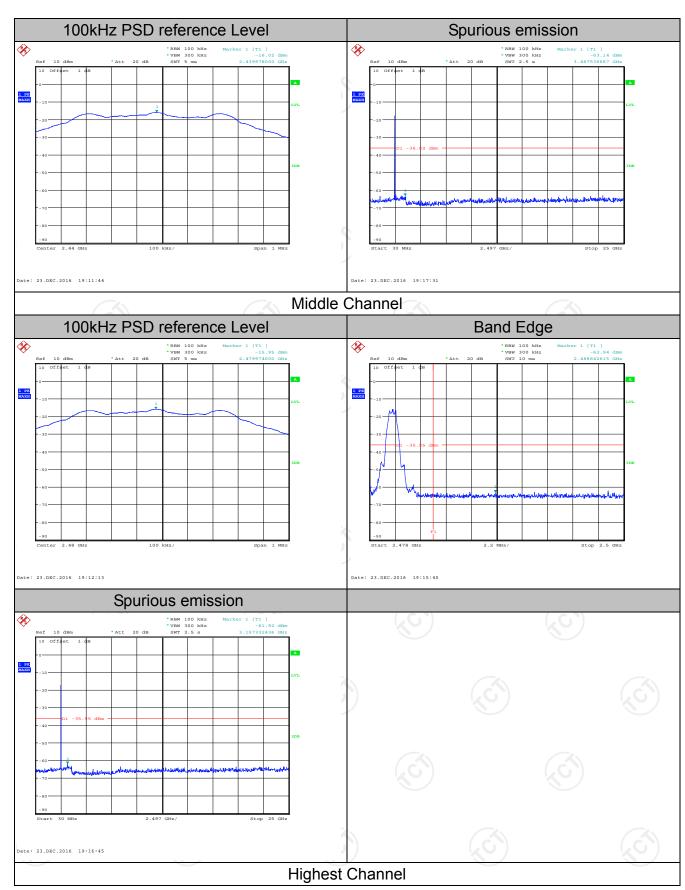
6.7.2. Test Instruments

RF Test Room											
Equipment	Manufacturer	Model	Serial Number	Calibration Due							
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017							
RF cable (9kHz-40GHz)	ТСТ	RE-06	N/A	Aug. 12, 2017							
Antenna Connector	TCT	RFC-01	N/A	Aug. 12, 2017							

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

6.7.3. Test Data







6.8. Radiated Spurious Emission Measurement

6.8.1. Test Specification

Test Requirement:	FCC Part15	C Section	n 15.209	(0)		(G				
Test Method:	ANSI C63.10: 2013									
Frequency Range:	9 kHz to 25 GHz									
Measurement Distance:	3 m									
Antenna Polarization:	Horizontal & Vertical									
Operation mode:	Refer to item	1 4.1	((C)		.C				
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-pea Quasi-pea		VBW 1kHz 30kHz	Remark Quasi-peak Valu Quasi-peak Valu					
Receiver Setup:	30MHz 30MHz-1GHz	Quasi-pea	(6)	300KHz	Quasi-peak Valu					
	Above 1GHz	Peak Peak	1MHz 1MHz	3MHz 10Hz	Peak Value Average Value	<u> </u>				
	Frequer	ncy	Field Str		Measurement Distance (meters					
	0.009-0.4 0.490-1.7		2400/F(KHz) 24000/F(KHz)		300 30					
	1.705-3		30		30					
	30-88		100		3					
	88-216		150		3					
Limit:	216-96	60	200)	3					
	Above 9	60	500		3					
		<u>5')</u>		<u> </u>		C				
	Frequency		ld Strength ovolts/meter)	Measure Distar (mete	nce Detector					
	Above 1GH:	7	500	3	Average	;				
	Above 1911	2	5000	3	Peak	_				
	For radiated	emission	s below 30	OMHz		7				
	Distance = 3m Computer Pre -Amplifier									
Test setup:	EUT	Turn table Receiver								
			Ground Plane							
	30MHz to 10	3Hz								

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

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	measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 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. 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;
	Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 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.
Test mode:	Refer to section 4.1 for details
Test results:	PASS (C)







6.8.2. Test Instruments

	Radiated Em	ission Test Site	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
ESPI Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Aug. 11, 2017
Spectrum Analyzer	ROHDE&SCHW ARZ	FSEM	848597/001	Aug. 11, 2017
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Aug. 11, 2017
Pre-amplifier	HP	8447D	2727A05017	Aug. 11, 2017
Loop antenna	ZHINAN	ZN30900A	12024	Aug. 13, 2017
Broadband Antenna	Schwarzbeck	VULB9163	340	Aug. 13, 2017
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Aug. 13, 2017
Horn Antenna	Schwarzbeck	BBHA 9170	373	Aug. 13, 2017
Antenna Mast	ccs	CC-A-4M	N/A	N/A
Coax cable (9kHz-40GHz)	тст	RE-low-01	N/A	Aug. 11, 2017
Coax cable (9kHz-40GHz)	тст	RE-high-02	N/A	Aug. 11, 2017
Coax cable (9kHz-40GHz)	тст	RE-low-03	N/A	Aug. 11, 2017
Coax cable (9kHz-40GHz)	тст	RE-high-04	N/A	Aug. 11, 2017
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).

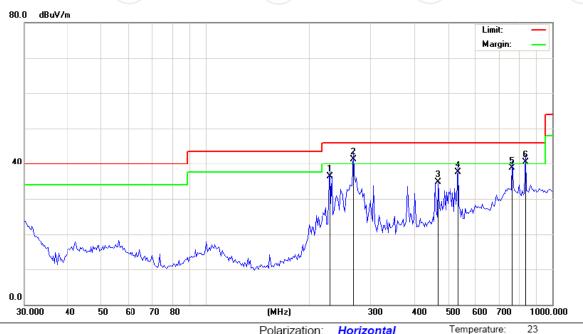


6.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



Site Limit: FCC Part 15B Class B RE_3 m Polarization: Horizontal

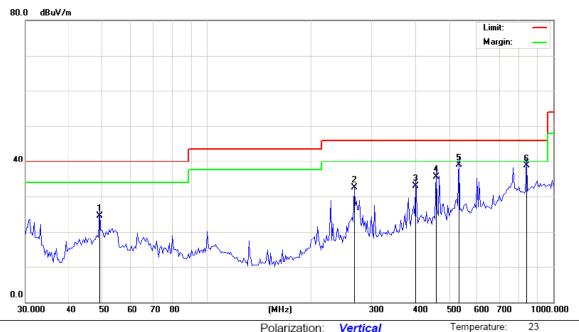
Humidity: 54 %

Power:

	No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
-	1		228.6173	45.70	-9.31	36.39	46.00	-9.61	QP		0	
-	2	*	266.8395	49.80	-8.42	41.38	46.00	-4.62	QP		0	
-	3		468.1650	38.15	-3.53	34.62	46.00	-11.38	QP		0	
_	4		535.0377	40.10	-2.56	37.54	46.00	-8.46	QP		0	
-	5		765.6481	32.60	6.06	38.66	46.00	-7.34	QP		0	
_	6	ļ	838.8870	35.50	5.08	40.58	46.00	-5.42	QP		0	



Vertical:



Site Polarization: Vertical Temperature: 23
Limit: FCC Part 15B Class B RE_3 m Power: Humidity: 54 %

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		49.0626	34.30	-9.71	24.59	40.00	-15.41	QP		0	
2		266.8394	41.01	-8.42	32.59	46.00	-13.41	QP		0	
3		401.1050	36.80	-3.90	32.90	46.00	-13.10	QP		0	
4		458.3987	38.80	-3.23	35.57	46.00	-10.43	QP		0	
5	*	535.0377	41.50	-2.56	38.94	46.00	-7.06	QP		0	
6		838.8870	33.60	5.08	38.68	46.00	-7.32	QP		0	

Note: 1.The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Low channel) was submitted only.

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Above 1GHz

Low chann	el: 2402 M	1Hz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2390	Н	49.71		-7.52	42.19	-	74	54	-11.81
4804	Н	42.59		7.44	49.73	-	74	54	-4.27
7206	Н	35.82		13.54	50.06	-	74	54	-3.94
	H		-				I	 /,	
	(.G)		(.G			.(1)		(G)	
2390	V	48.67		-7.52	41.15	<u></u>	74	54	-12.85
4804	V	41.89		7.44	49.89		74	54	-4.11
7206	V	35.8		13.54	50.34	-	74	54	-3.66
	V						7		

Middle cha	nnel: 2440)MHz		0					
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4880	(CH)	40.13	- 1 _X C	7.01	45.13	(C)+	74	54	-8.87
7320	H	34.88	-	13.21	49.19	<u></u>	74	54	-4.81
	Н								
4880	V	42.36		0.99	43.35		74	54	-10.65
7320	V	39.42		9.87	49.29		74	54	-4.71
	V								

High chann	nel: 2480 N	ЛHz		,					
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2483.5	Н	50.15		-7.52	42.63		74	54	-11.37
4960	Н	42.6		7.44	49.22		74	54	-4.78
7440	Н	35.64		13.54	49.77		74	54	-4.23
) 	Н	(-))		\ <u></u>		
2483.5	V	49.56		-7.52	42.04		74	54	-11.96
4960	V	40.49		7.44	49.44		74	54	-4.56
7440	CV	35.82	- - , G	13.54	49.84	·C-7	74	54	-4.16
	V			/		<u></u>		77	

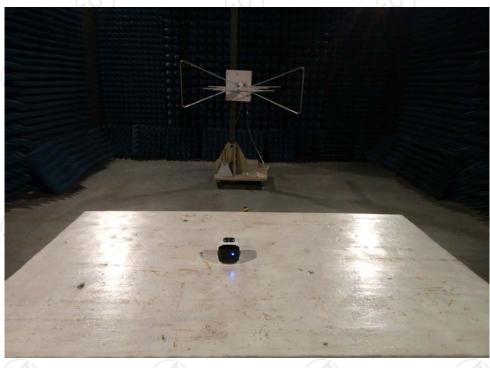
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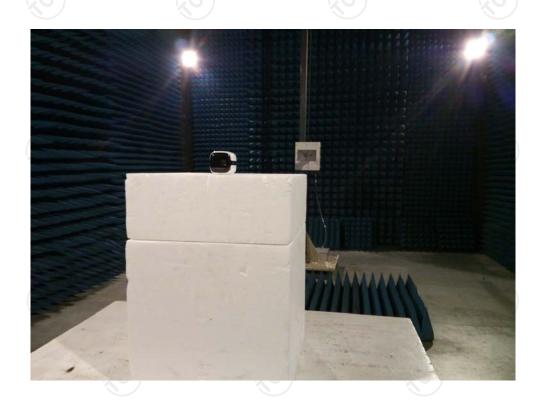
- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



Appendix A: Photographs of Test Setup Product: CINEMOOD STORYTELLER

Model: CNMD0016 **Radiated Emission**



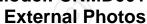








Appendix B: Photographs of EUT Product: CINEMOOD STORYTELLER Model: CNMD0016



















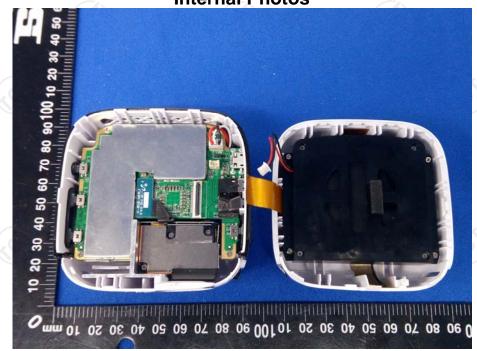


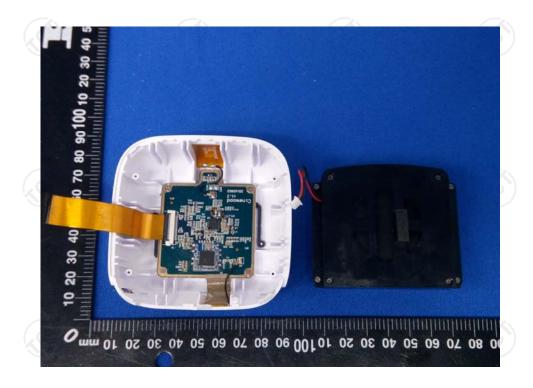




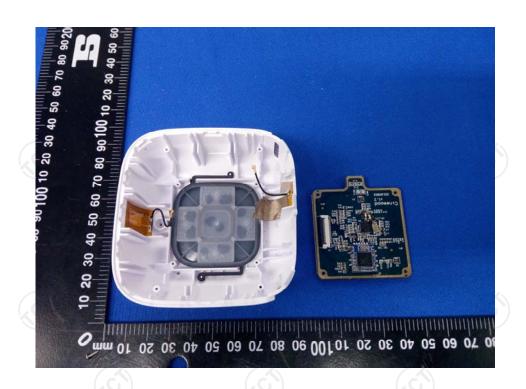


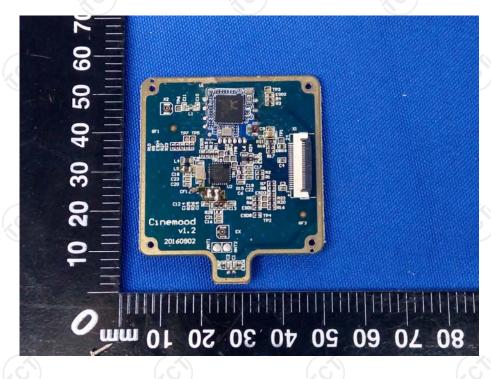
Product: CINEMOOD STORYTELLER Model: CNMD0016 Internal Photos



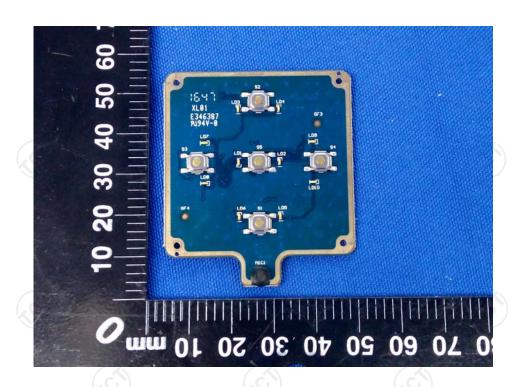


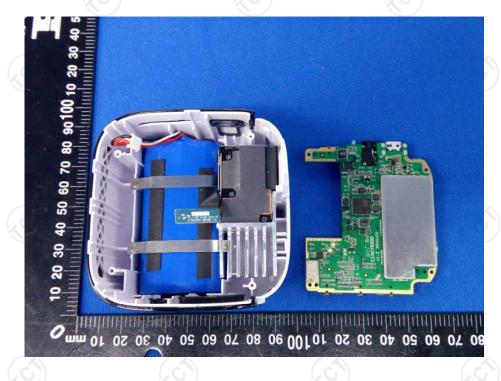




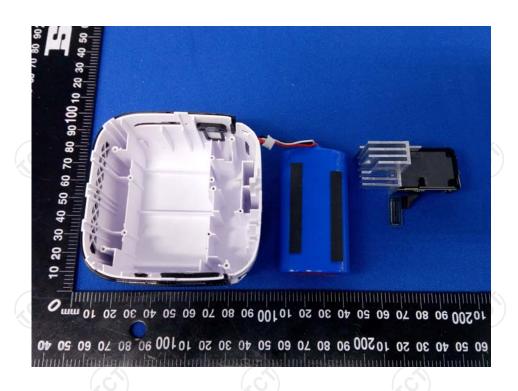


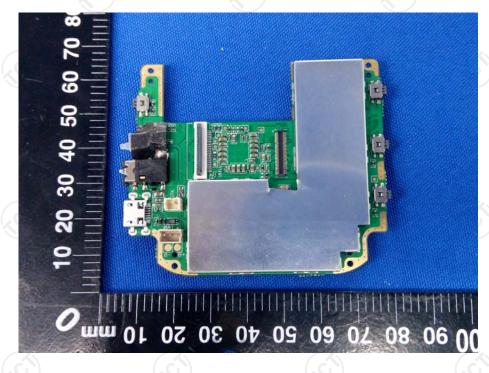




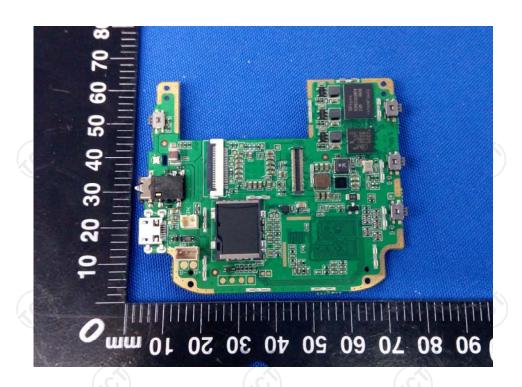








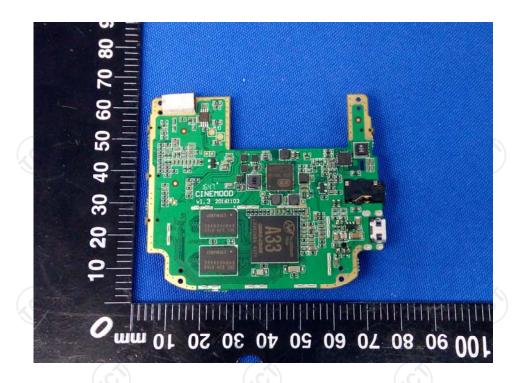


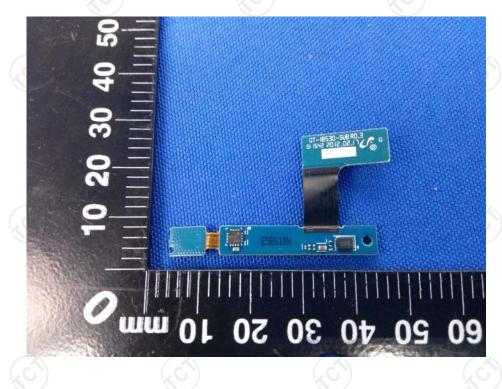




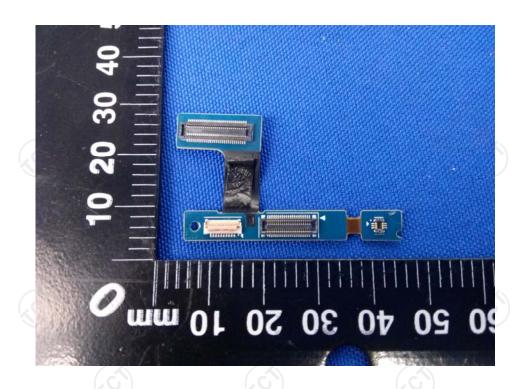






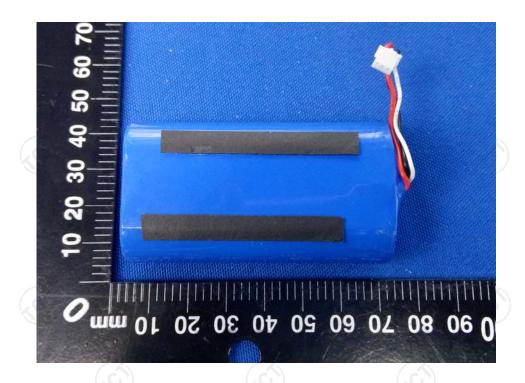




















*****END OF REPORT****