SPORTON LAB.

Project No : FD650627

VERIFICATION OF COMPLIANCE

Equipment : **Rugged Tablet Computer**
Model No. : **xRTC-700Mx (x - Where x may be any combination of alphanumeric characters or "-"or blank.)**
Applicant : **AAEON Technology Inc.**
5F, No. 135, Lane 235, Pao Chiao Rd.,Taipei, Taiwan

SPORTON LAB.

I HEREBY **DECLARE THAT :**

The equipment is in accordance with the procedures are given in **ANSI C63.4-2014** and the energy emitted by this equipment was **Passed by CISPR PUB. 22, FCC Part 15 Subpart B, Canada Standard ICES-003 Issue 6**. Radiated and conducted emissions are compliance in **Class B** limits.
The test was carried out on **Jun. 15, 2016** at **SPORTON INTERNATIONAL INC**. LAB.

Jack Deng
Engineering Manager

FCC EMC TEST REPORT

Authorized under **D**eclaration **o**f **C**onformity

according to

47 CFR FCC Rules and Regulations Part 15 Subpart B, Class B Digital Device and Canada Standard ICES-003 Issue 6

Equipment	:	**Rugged Tablet Computer**
Model No.	:	**xRTC-700Mx (x - Where x may be any combination of alphanumeric characters or "-"or blank.)**
Filing Type	:	**Declaration of Conformity**
Applicant	:	**AAEON Technology Inc.** 5F, No. 135, Lane 235, Pao Chiao Rd.,Taipei, Taiwan

Testing Laboratory
1190

SPORTON International Inc.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan, R.O.C.

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FD650627	Rev. 01	Initial issue of report	Jul. 13, 2016

Verification No. : FD650627

VERIFICATION OF COMPLIANCE

Authorized under **D**eclaration **o**f **C**onformity

according to

47 CFR FCC Rules and Regulations Part 15 Subpart B, Class B Digital Device and Canada Standard ICES-003 Issue 6

Equipment : Rugged Tablet Computer

Model No. : xRTC-700Mx (x - Where x may be any combination of alphanumeric characters or "-"or blank.)

Applicant : AAEON Technology Inc.
5F, No. 135, Lane 235, Pao Chiao Rd.,Taipei, Taiwan

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 - 2014** and the energy emitted by this equipment were **passed CISPR PUB. 22 and FCC Part 15 Subpart B and Canada Standard ICES-003 Issue 6** in both radiated and conducted emission **Class B** limits.

The product sample received on May 06, 2016 and completely tested on ***Jun. 15, 2016*** **at SPORTON International Inc.** LAB

Jack Deng / Engineering Manager

SPORTON International Inc.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan, R.O.C.

1. General Description of Equipment under Test

1.1 Applicant

AAEON Technology Inc.

5F, No. 135, Lane 235, Pao Chiao Rd.,Taipei, Taiwan

1.2 Manufacturer

Same as 1.1

1.3 Basic Description of Equipment under Test

Equipment	:	Rugged Tablet Computer
Trade Name		AAEON
Model No.	:	xRTC-700Mx (x - Where x may be any combination of alphanumeric characters or "-"or blank.)
RS232 Cable	:	D-Shielded, 1.8 m
RJ45 Cable	:	Non-Shielded, 1.0 m
Power Supply Type	:	From Adapter(Switching)
AC Power Type	:	Non-Shielded, 1.8 m, 3 pin
DC Power Cable	:	Non-Shielded, 1.2 m, 2 pin

The maximum operating frequency: 2.4GHz

1.4 Feature of Equipment under Test

Accessories				
AC Adapter	Brand Name	FSP	Model Name	FSP036-RBBN2
	Power Rating	I/P: 100 -240Vac, 1.2A, O/P: 12 Vdc, 3 A		
	Power Cord	1.2 meter, non-shielded cable, with one ferrite core		
Battery 1	Brand Name	Getac	Model Name	RTC600S
	Power Rating	7.4Vdc, 1530 mAh	Type	Li-ion, 2S1P
Battery 2	Brand Name	Getac	Model Name	RTC600H
	Power Rating	7.4Vdc, 1530 mAh	Type	Li-ion, 2S1P
LCD Panel	Brand Name	INNOLUX	Model Name	N070ICG-LD1

Please refer to user manual.

2. Test Configuration of Equipment under Test

2.1 Test Manner

a. The EUT has been associated with supporting units and peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner which tended to maximize its emission characteristics in a typical application.

b. The equipment under test were performed the following test modes:

Test Items	Description of test modes
AC Conducted Emission	Mode 1. HDMI+BT+Wifi+NFC+USB Play MP4+Band 1 Idle+Charge Mode 2. HDMI+BT+Wifi+NFC+Micro SD Play MP4+Band 1 Link+Charge Mode 3. HDMI+BT+Wifi+NFC+OTG Flash Play MP4+Band 1 Link+Charge Mode 4. HDMI+BT+Wifi+NFC+OTG Flash Play MP3+H patten+Band 1 Link+Charge Mode 5. HDMI+BT+Wifi+NFC+OTG Flash Play MP3+CCD+Band 1 Link+Charge Mode 6. HDMI+BT+Wifi+NFC+OTG Flash Play MP3+GPS+Band 1 Link+Charge For operating mode 3 is the worst case and it was record in this test report.
Radiated Emissions	Mode 1. HDMI+BT+Wifi+NFC+USB Play MP4+Band 1 Idle+Charge Mode 2. HDMI+BT+Wifi+NFC+Micro SD Play MP4+Band 1 Link+Charge Mode 3. HDMI+BT+Wifi+NFC+OTG Flash Play MP4+Band 1 Link+Charge Mode 4. HDMI+BT+Wifi+NFC+OTG Flash Play MP3+H patten+Band 1 Link+Charge Mode 5. HDMI+BT+Wifi+NFC+OTG Flash Play MP3+CCD+Band 1 Link+Charge Mode 6. HDMI+BT+Wifi+NFC+OTG Flash Play MP3+GPS+Band 1 Link+Discharge+Stand **< below 1GHz >** For operating mode 3 is the worst case and it was record in this test report. **< above 1GHz >** For operating mode 3 is the worst case and it was record in this test report.

c. Frequency range investigated: Conducted 150 kHz to 30 MHz, Radiated 30 MHz to 13,000 MHz

2.2 Description of Test System

< For conducted emission >

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	LCD Monitor	DELL	U2410f	DoC	HDMI Cable, D-Shielded,1.6m
2	USB 3.0 Flash	TRANSCEND	JF700	DoC	OTG Cable, D-Shielded,0.1m
3	USB 3.0 Flash	HP	x750W	DoC	---
4	SD Card	Transcend	8GB	DoC	---
5	MIC+Earphone	HAWK	03-MSB301	N/A	Audio Cable, Non-Shielded, 1.7m
6	SIM Card	R&S	N/A	N/A	---
For Remote					
-	Base Station	R&S	CMU 200(3G)	N/A	---
-	AP	ASUS	RT-AC66U	DoC	---
-	Bluetooth Headset	SONY	Z354	N/A	---

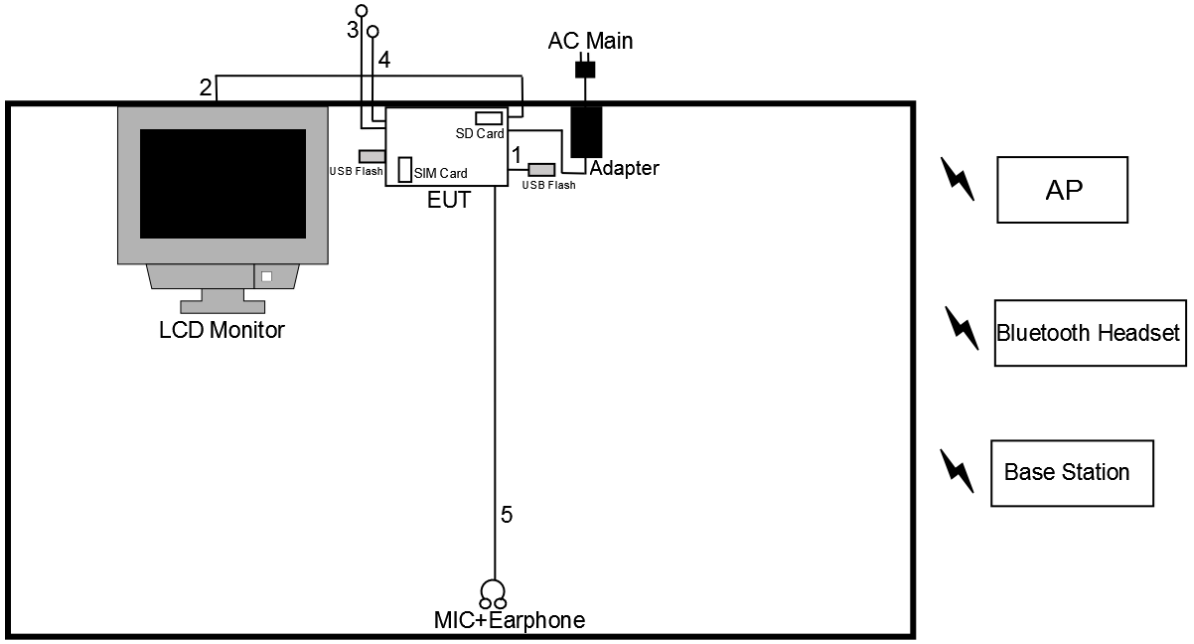
< For radiated emission below 1GHz >

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	LCD Monitor	DELL	U2410f	DoC	HDMI Cable, D-Shielded,1.6m
2	USB 3.0 Flash	TRANSCEND	JF700	DoC	OTG Cable, D-Shielded,0.1m
3	USB 3.0 Flash	HP	x750W	DoC	---
4	SD Card	Transcend	8GB	DoC	---
5	MIC+Earphone	APPLE	MB770FE/A	N/A	Audio Cable, Non-Shielded, 1.15m
6	SIM Card	R&S	N/A	N/A	---
For Remote					
-	Base Station	R&S	CMU 200(3G)	N/A	---
-	AP	ASUS	RT-AC66U	DoC	---
-	Bluetooth Headset	SONY	Z354	N/A	---

< For Radiated emission above 1GHz>

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	LCD Monitor	DELL	U2410f	DoC	HDMI Cable, D-Shielded,1.6m
2	USB 3.0 Flash	TRANSCEND	JF700	DoC	OTG Cable, D-Shielded,0.1m
3	USB 3.0 Flash	HP	x750W	DoC	---
4	SD Card	Transcend	8GB	DoC	---
5	MIC+Earphone	i-Acon	HOH-323-BK	N/A	Audio Cable, Non-Shielded, 2.0m
6	SIM Card	R&S	N/A	N/A	---
For Remote					
-	Base Station	R&S	CMU 200(3G)	N/A	---
-	AP	ASUS	RT-AC66U	DoC	---
-	Bluetooth Headset	SONY	Z354	N/A	---

2.3 Connection Diagram of Test System for Radiation Emission



The support unit 3, support unit 4 and support unit 6 are insert into EUT.

1. The OTG Cable was connected from EUT to the support unit 2.
2. The HDMI Cable was connected from EUT to the support unit 1.
3. The RJ45 Cable is floating.
4. The RS232 Cable is floating.
5. The Audio Cable was connected from EUT to the support unit 5.

3. Test Software

During testing, the following program under Android 4.2.2 was executed:

At the same time, the following programs were executed:
- The EUT executed "APP.exe", continuous play OTG USB Flash within "1729MPEG4. MP4" program.
- The EUT open Wi-Fi function to link with the remote workstation (AP) to maintain the connection.
- The EUT open Bluetooth function to link with the remote workstation (Bluetooth Headset) to maintain the connection.
- The EUT open 3G function to link with the remote workstation (Base Station) to maintain the connection.
- The EUT open NFC function

Note:
- The RS232 Cable (Floating) only for engineering setting.
- The RJ45 Cable (Floating) only for engineering setting.

4. General Information of Test

4.1 Test Facility

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan, R.O.C.
TEL : 886-3-327-3456
FAX : 886-3-327-0973

Test Site No. : CO01-HY/10CH01-HY/03CH04-HY

4.2 Uncertainty of Test Site

Test Items	Test Site No.	Uncertainty	Remark
Conducted Emissions	CO01-HY	± 2.2dB	Confidence levels of 95%
Radiated Emissions below 1GHz	10CH01-HY	± 2.5dB	Confidence levels of 95%
Radiated Emissions above 1GHz	03CH04-HY	± 4.7dB	Confidence levels of 95%

4.3 Test Voltage

120VAC / 60Hz

4.4 Standard for Methods of Measurement

ANSI C63.4-2014

4.5 Test in Compliance with

CISPR PUB. 22 and FCC Part 15 Subpart B and Canada Standard ICES-003 Issue 6

4.6 Frequency Range Investigated

a. Conducted emission test: from 150 kHz to 30 MHz

b. Radiated emission test: from 30 MHz to 13,000 MHz

- The test distance of radiated emission from antenna to EUT is 10 M (from 30MHz ~ 1GHz)
- The test distance of radiated emission from antenna to EUT is 3 M (from 1GHz ~ 9GHz)
- The test distance of radiated emission from antenna to EUT is 1 M (from 9GHz ~ 13GHz)

5. Test of Conducted Powerline

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 kHz and return leads of the EUT according to the methods defined in ANSI C63.4 Clause 7 and Canada Standard ICES-003. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meter above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

5.1 Test Procedures

a. The EUT was warmed up for 15 minutes before testing started.
b. The EUT was placed on a desk 0.8 meters height from the metal ground plane and 0.4 meter from the conducting wall of the shielding room and it was kept at least 0.8 meters from any other grounded conducting surface.
c. Connect EUT to the power mains through a line impedance stabilization network (LISN).
d. All the support units are connected to the other LISN.
e. The LISN provides 50 ohm coupling impedance for the measuring instrument.
f. The CISPR states that a 50 ohm, 50 micro henry LISN should be used.
g. Both sides of AC line were checked for maximum conducted interference.
h. The frequency range from 150 kHz to 30 MHz was searched.
i. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

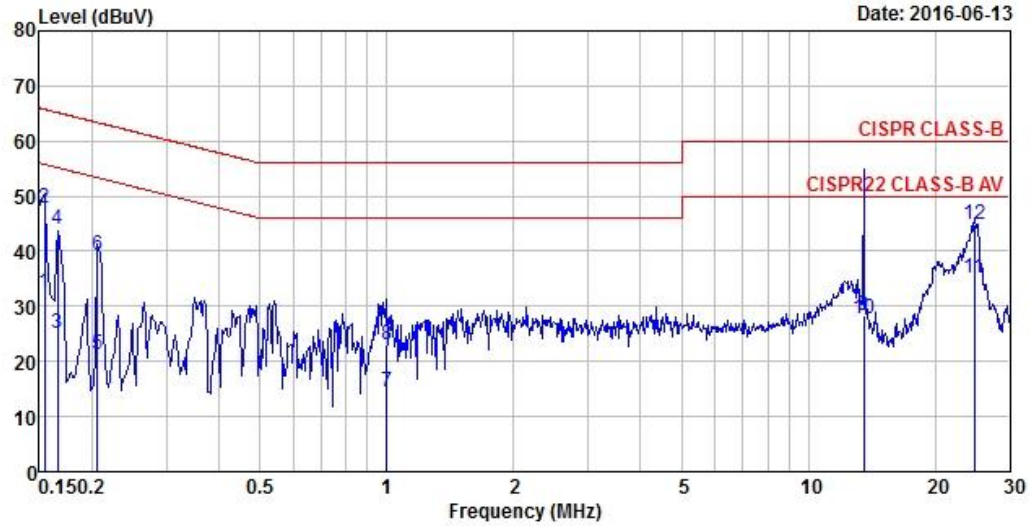
5.2 Typical Test Setup Layout of Conducted Powerline

a. AMN is 80 cm from the EUT and at least 80 cm from other units and other metal planes.
b. EUT is connected to one artificial mains network (AMN).
c. All other units of a system are powered from a second AMN. A multiple outlet strip can be used for multiple mains cords.
d. Rear of EUT to be flushed with rear of table top.
e. Peripherals shall be placed at a distance of 10 cm from each other and from the controller, except for the monitor which, if this is an acceptable installation practice, shall be placed directly on the top of the controller.
f. If cables, which hang closer than 40 cm to the horizontal metal ground plane, cannot be shortened to appropriate length, the excess shall be folded back and forth forming a bundle 30 cm to 40 cm long.
g. Mains cords and signal cables shall be positioned for their entire lengths, as far as possible, at 40 cm from the vertical reference plane.
h. Cables of hand operated devices, such as keyboards, mice, etc. shall be placed as for normal usage.

5.3 Test Result of AC Powerline Conducted Emission

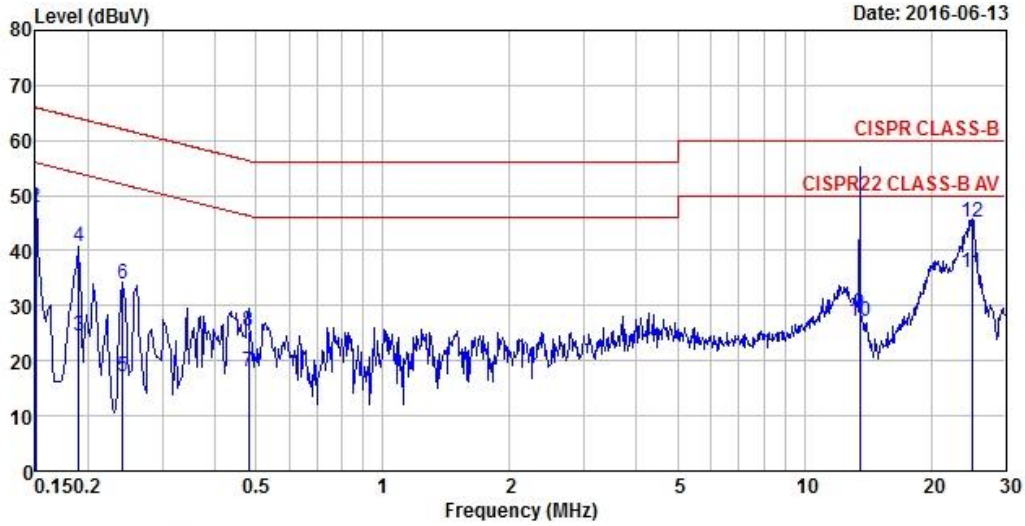
Test Mode	Mode 3	Test Site No.	CO01-HY
Test Frequency	0.15 MHz ~ 30 MHz	Test Engineer	David
Temperature	25 ℃	Relative Humidity	58 %
Note: 1. Corrected Reading (dBμV) = LISN Factor + Cable Loss + Read Level = Level			
2. All emissions not reported here are more than 10 dB below the prescribed limit.			
■The test was passed at the minimum margin that marked by the frame in the following data			

Line



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	32.58	-23.20	55.78	22.50	0.12	0.10	Average
2	0.15	47.96	-17.82	65.78	37.88	0.12	0.10	QP
3	0.17	25.08	-30.08	55.16	15.00	0.12	0.10	Average
4	0.17	44.03	-21.13	65.16	33.95	0.12	0.10	QP
5	0.21	21.13	-32.23	53.36	11.05	0.12	0.10	Average
6	0.21	39.12	-24.24	63.36	29.04	0.12	0.10	QP
7	1.00	14.59	-31.41	46.00	4.47	0.16	0.10	Average
8	1.00	23.03	-32.97	56.00	12.91	0.16	0.10	QP
9	13.55	28.33	-21.67	50.00	17.76	0.54	0.10	Average
10	13.55	27.61	-32.39	60.00	17.04	0.54	0.10	QP
11	24.79	35.28	-14.72	50.00	23.58	1.52	0.20	Average
12	24.79	44.75	-15.25	60.00	33.05	1.52	0.20	QP

Neutral



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	31.99	-24.01	56.00	21.93	0.10	0.10	Average
2	0.15	47.70	-18.30	66.00	37.64	0.10	0.10	QP
3	0.19	24.46	-29.56	54.02	14.41	0.09	0.10	Average
4	0.19	40.73	-23.29	64.02	30.68	0.09	0.10	QP
5	0.24	17.21	-34.83	52.04	7.16	0.09	0.10	Average
6	0.24	34.00	-28.04	62.04	23.95	0.09	0.10	QP
7	0.48	17.90	-28.42	46.32	7.84	0.10	0.10	Average
8	0.48	25.29	-31.03	56.32	15.23	0.10	0.10	QP
9	13.55	28.67	-21.33	50.00	18.11	0.53	0.10	Average
10	13.55	27.07	-32.93	60.00	16.51	0.53	0.10	QP
11	24.92	36.03	-13.97	50.00	24.58	1.27	0.20	Average
12	24.92	45.09	-14.91	60.00	33.64	1.27	0.20	QP

6. Test of Radiated Emission

Radiated emissions were measured with a bandwidth of 120 kHz for 30 MHz to 1000 MHz and 1 MHz for above 1GHz according to the methods defines in ANSI C63.4, Clause 8 and Canada Standard ICES-003. The EUT was placed on a nonmetallic stand, 0.8 meter above the ground plane. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

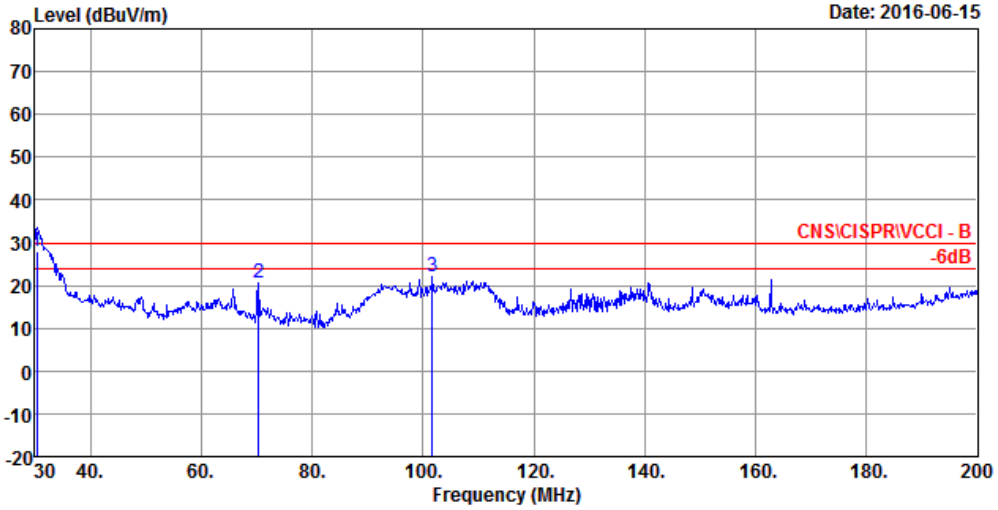
6.1 Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set at 3m/1m(above 1GHz) and 10m(below 1GHz) from the interference-receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a half wave dipole and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
h. The FCC Part 15.109 (g) permit parties seeking to authorize a digital device to choose to demonstrate that the device complies with either the Part 15 standards or the international standards found in Publication 22 of the International Special Committee on Radio Interference (CISPR)
i. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

6.2 Test Result of Radiated Emission (Below 1GHz)

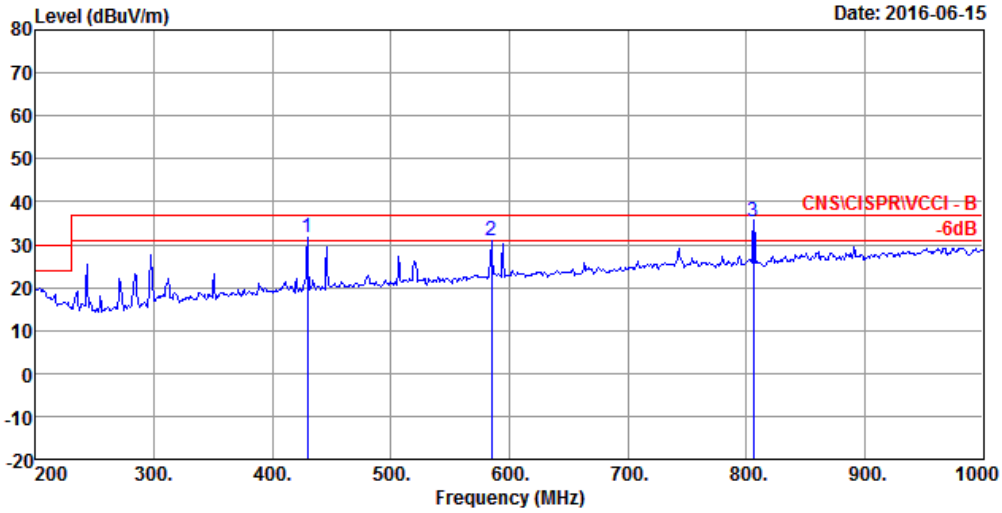
Test mode	Mode 3	Test Site No.	10CH01-HY
Test frequency	30 MHz ~ 1000 MHz	Test Engineer	Nigel
Temperature	23 ℃	Relative Humidity	59 %
Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)			
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level			
■The test was passed at the minimum margin that marked by the frame in the following data			

Vertical



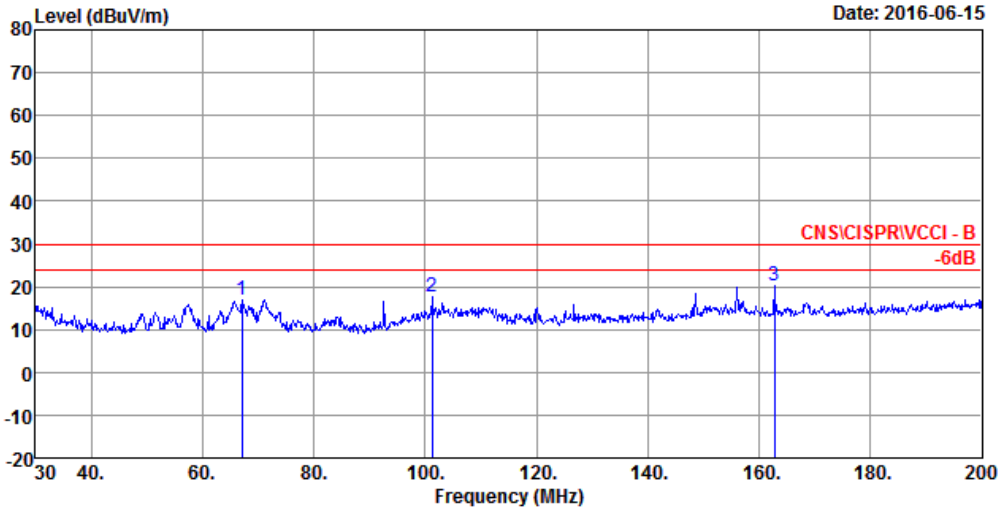
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1 MX	30.35	27.83	-2.17	30.00	41.90	1.30	13.23	28.60	QP	100	200
2	70.29	20.49	-9.51	30.00	37.83	2.01	9.13	28.48	Peak	---	---
3	101.74	22.21	-7.79	30.00	38.50	2.46	9.62	28.37	Peak	---	---

Vertical



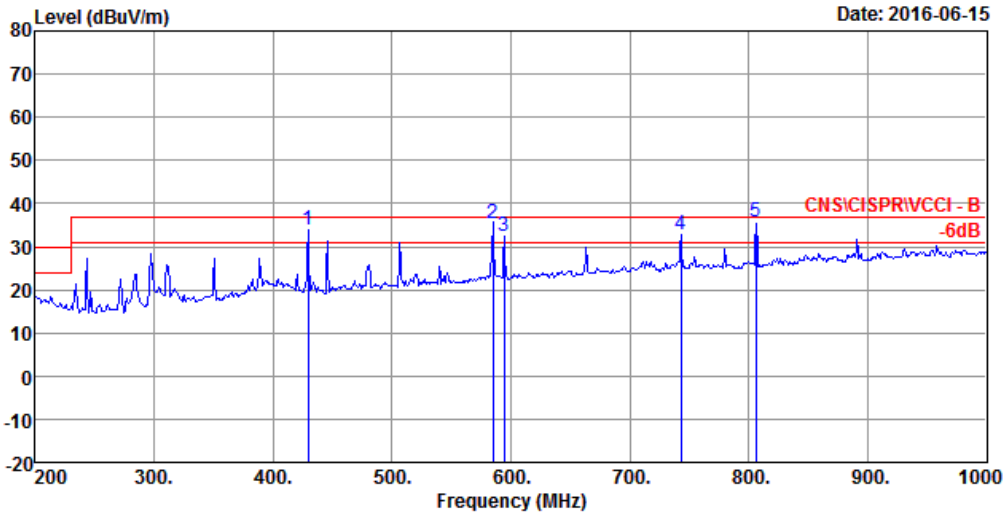
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	429.60	31.67	-5.33	37.00	38.00	5.25	16.48	28.06	Peak	---	---
2	584.80	30.95	-6.05	37.00	34.24	6.16	18.90	28.35	Peak	---	---
3 MX	806.01	35.53	-1.47	37.00	35.10	7.45	20.82	27.84	QP	222	137

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	67.06	17.04	-12.96	30.00	34.27	2.02	9.24	28.49	Peak	---	---
2	101.23	17.65	-12.35	30.00	33.99	2.44	9.59	28.37	Peak	---	---
3 MX	162.77	20.06	-9.94	30.00	32.63	3.10	12.39	28.06	Peak	---	---

Horizontal

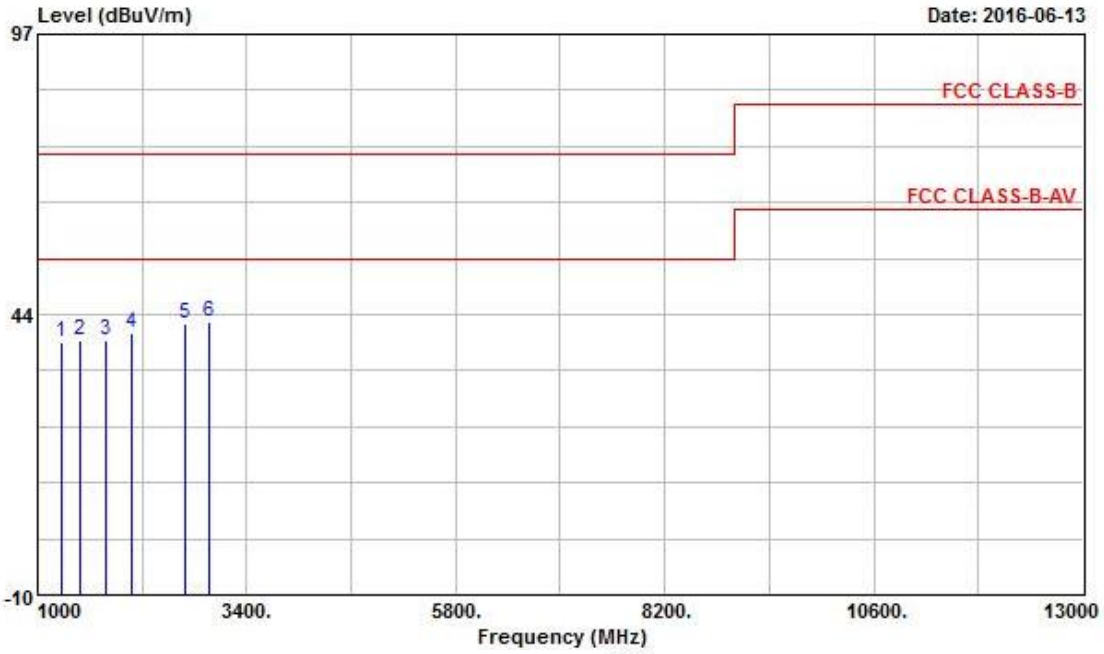


	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	429.60	33.83	-3.17	37.00	40.16	5.25	16.48	28.06	Peak	---	---
2	585.01	35.52	-1.48	37.00	38.81	6.16	18.90	28.35	QP	169	270
3	594.40	32.40	-4.60	37.00	35.35	6.36	19.04	28.35	Peak	---	---
4	743.20	32.91	-4.09	37.00	33.26	6.99	20.70	28.04	Peak	---	---
5 MX	806.00	35.88	-1.12	37.00	35.45	7.45	20.82	27.84	QP	109	159

6.3 Test Result of Radiated Emission (Above 1GHz)

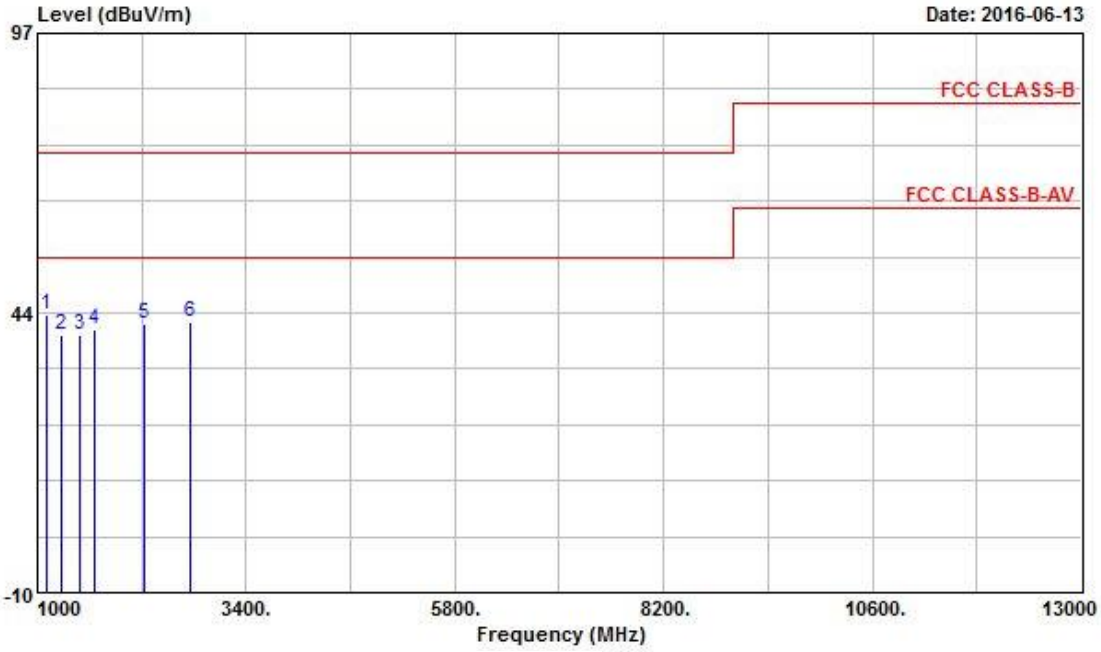
Test mode	Mode 3	Test Site No.	03CH04-HY
Test frequency	1 GHz ~ 13 GHz	Test Engineer	Alan
Temperature	21 ℃	Relative Humidity	60 %
Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)			
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level			
■The test was passed at the minimum margin that marked by the frame in the following data			

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1284.000	38.09	-35.91	74.00	43.21	25.36	33.73	3.24	---	---	Peak
2	1484.000	38.54	-35.46	74.00	42.64	25.86	33.45	3.50	---	---	Peak
3	1774.000	38.66	-35.34	74.00	42.13	26.07	33.38	3.84	---	---	Peak
4	2084.000	39.81	-34.19	74.00	42.57	26.41	33.38	4.22	---	---	Peak
5	2694.000	41.71	-32.29	74.00	42.71	27.84	33.66	4.82	---	---	Peak
6 @	2972.000	42.21	-31.79	74.00	42.51	28.43	33.81	5.08	---	---	Peak

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	1110.000	43.25	-30.75	74.00	49.33	24.87	33.96	3.02	100	191	Peak
2	1284.000	39.29	-34.71	74.00	44.41	25.36	33.73	3.24	---	---	Peak
3	1484.000	39.13	-34.87	74.00	43.23	25.86	33.45	3.50	---	---	Peak
4	1654.000	40.31	-33.69	74.00	44.00	25.99	33.39	3.72	---	---	Peak
5	2228.000	41.31	-32.69	74.00	43.66	26.74	33.44	4.35	---	---	Peak
6	2766.000	41.73	-32.27	74.00	42.55	27.99	33.70	4.89	---	---	Peak

7. List of Measuring Equipment Used

< Conducted Emission >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100132	9kHz ~ 2.75GHz	Oct. 24, 2015	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/009	9kHz ~ 30MHz	Oct. 21, 2015	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	99079	9kHz ~ 30MHz	Sep. 21, 2015	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	Conduction (CO01-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832010001	9kHz ~ 30MHz	Feb. 26, 2016	Conduction (CO01-HY)

※ Calibration Interval of instruments listed above is one year. NCR: Non-Calibration required.

< Radiated Emission below 1GHz >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
10m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-10M	10CH01-HY	30MHz ~ 1GHz 10m/3m	Apr. 24, 2016	Radiation (10CH01-HY)
Spectrum Analyzer	R&S	FSP7	838858/013	9kHz ~ 7GHz	Mar. 04, 2016	Radiation (10CH01-HY)
Receiver	R&S	ESI7	838496/009	20Hz ~ 7GHz	Sep. 18, 2015	Radiation (10CH01-HY)
Amplifier	Agilent	8447D	2944A10825	100kHz ~ 1.3GHz	Apr. 15, 2016	Radiation (10CH01-HY)
Amplifier	Agilent	8447D	2944A10826	100kHz ~ 1.3GHz	Apr. 11, 2016	Radiation (10CH01-HY)
Biconical Antenna	Schwarz beck	VHBB 9124	286	30MHz ~ 200MHz	Aug. 03, 2015	Radiation (10CH01-HY)
Log Antenna	Schwarz beck	VUSLP 9111	206	200MHz ~ 1GHz	Aug. 03, 2015	Radiation (10CH01-HY)
Turn Table	HD	DT 60 RPS	1513/004/00	0 ~ 360 degree	NCR	Radiation (10CH01-HY)
Antenna Mast	HD	MA240	240/556/00	1 ~ 4 m	NCR	Radiation (10CH01-HY)
Antenna Mast	HD	MA240	240/559/00	1 ~ 4 m	NCR	Radiation (10CH01-HY)
RF Cable-R10m	BELDEN	RG8/U	CB023-INSIDE	30MHz ~ 1GHz	Nov. 12, 2015	Radiation (10CH01-HY)
RF Cable-R10m	Suhner Switzerland + Rosenberger	RG223/U + UAA220A-0	CB022-DOOR	30MHz ~ 1GHz	Nov. 12, 2015	Radiation (10CH01-HY)
AC Source	APC	AFC 11005G	F315110007	5V-300V	NCR	(10CH01-HY)

※ Calibration Interval of instruments listed above is one year. NCR: Non-Calibration required.

< Radiated Emission above 1GHz >

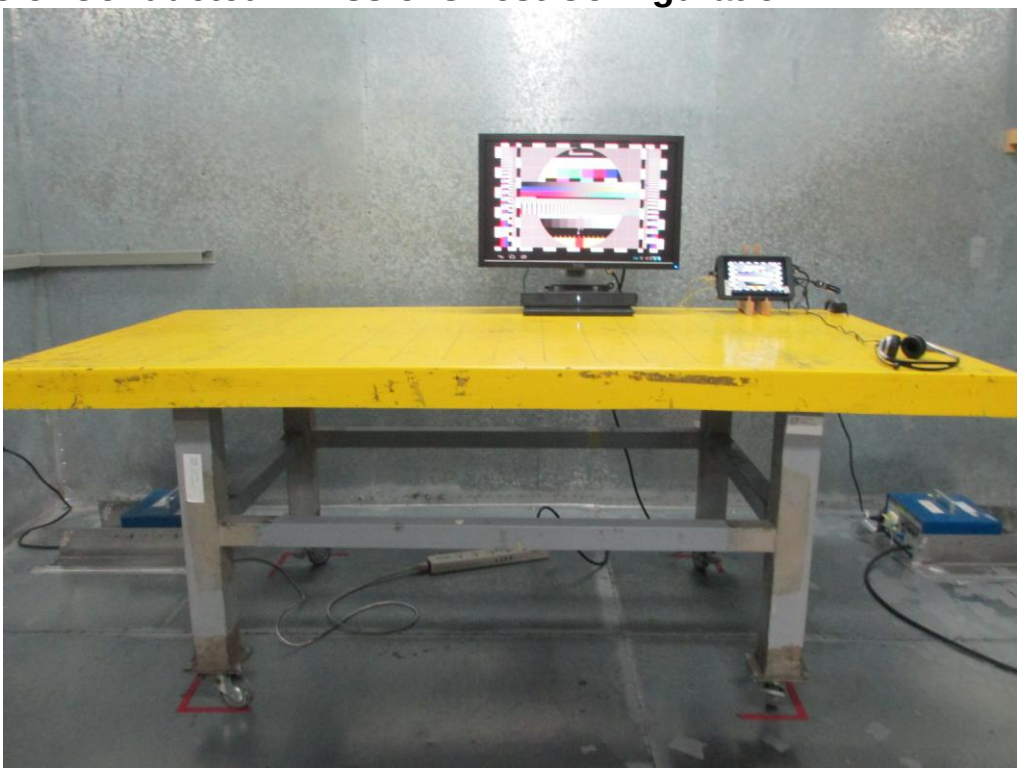
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSV40	101513	9kHz ~ 40GHz	Feb. 16, 2016	Radiation (03CH04-HY)
Amplifier	Agilent	8449B	3008A02364	1GHz ~ 26.5GHz	Nov.13, 2015	Radiation (03CH04-HY)
Horn Antenna	SCHWARZBECK	BBHA9120	BBHA9120D1130	1 GHz ~ 18 GHz	Sep.25, 2015	Radiation (03CH04-HY)
Turn Table	Chaintek	3000	MF7802056	0 ~ 360 degree	NCR	Radiation (03CH04-HY)
Antenna Mast	MF	MF-7802	MF780208163	1 m ~ 4 m	NCR	Radiation (03CH04-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	CB069-HF	1 GHz ~ 26 GHz	Nov. 06 , 2015	Radiation (03CH04-HY)

※ Calibration Interval of instruments listed above is one year. NCR: Non-Calibration required.

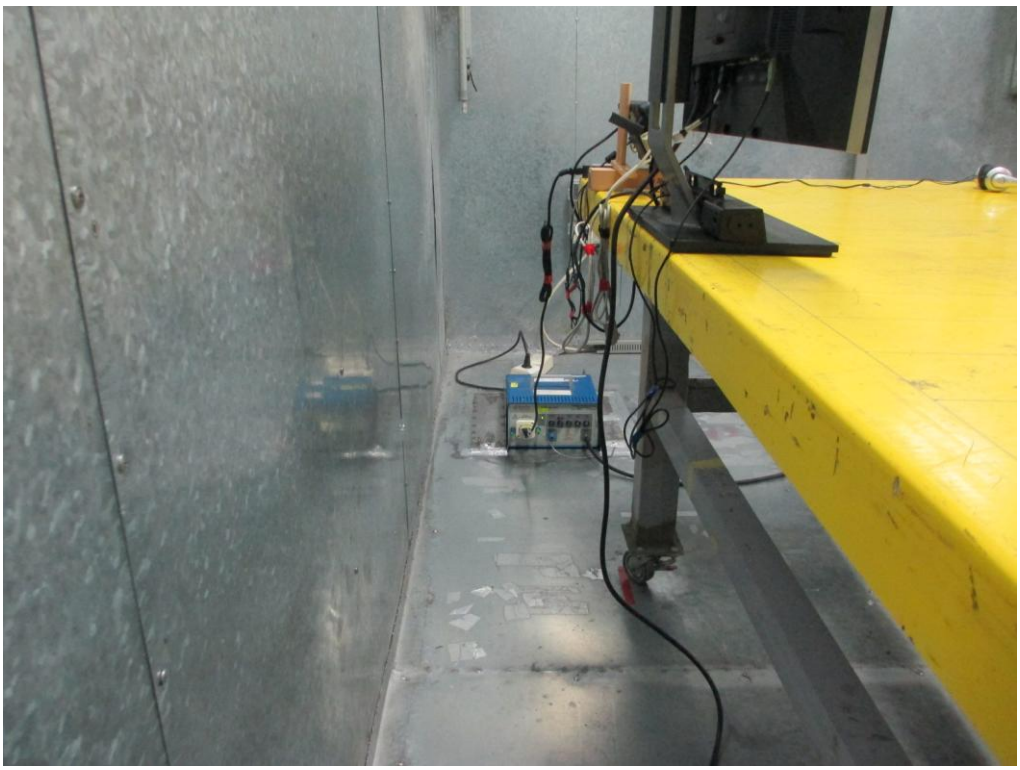
Appendix A. Test Photos

1. Photographs of Conducted Emissions Test Configuration

Front view



Rear view

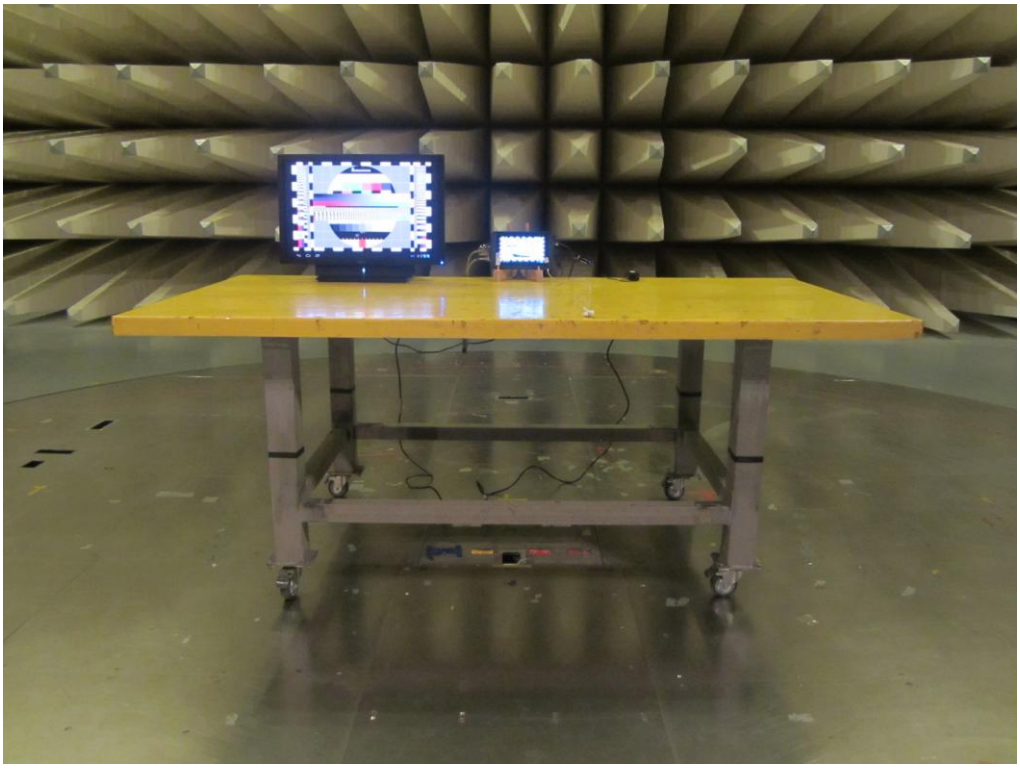


Side view

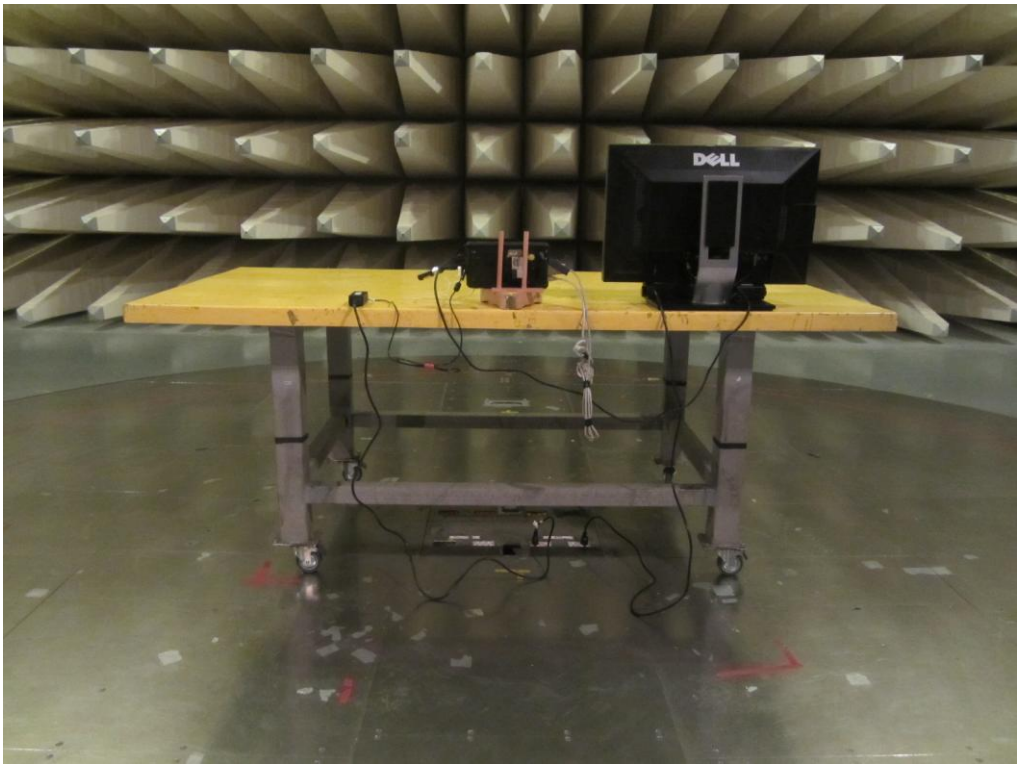
2. Photographs of Radiated Emissions Test Configuration

For radiated emissions below 1GHz

Front view

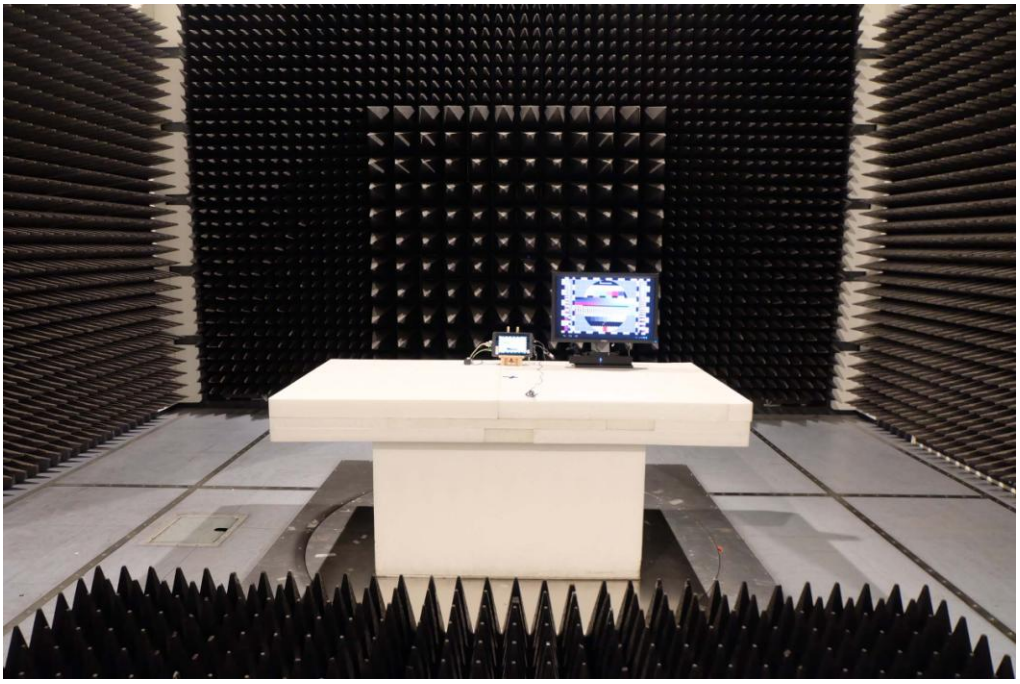


Rear view

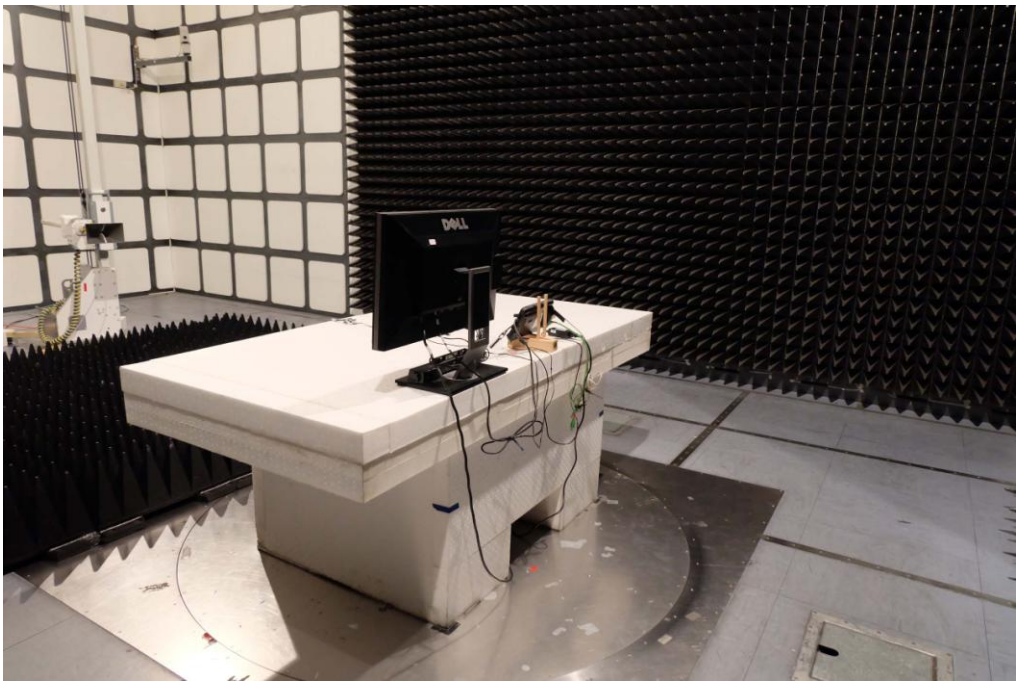


For radiated emissions above 1GHz

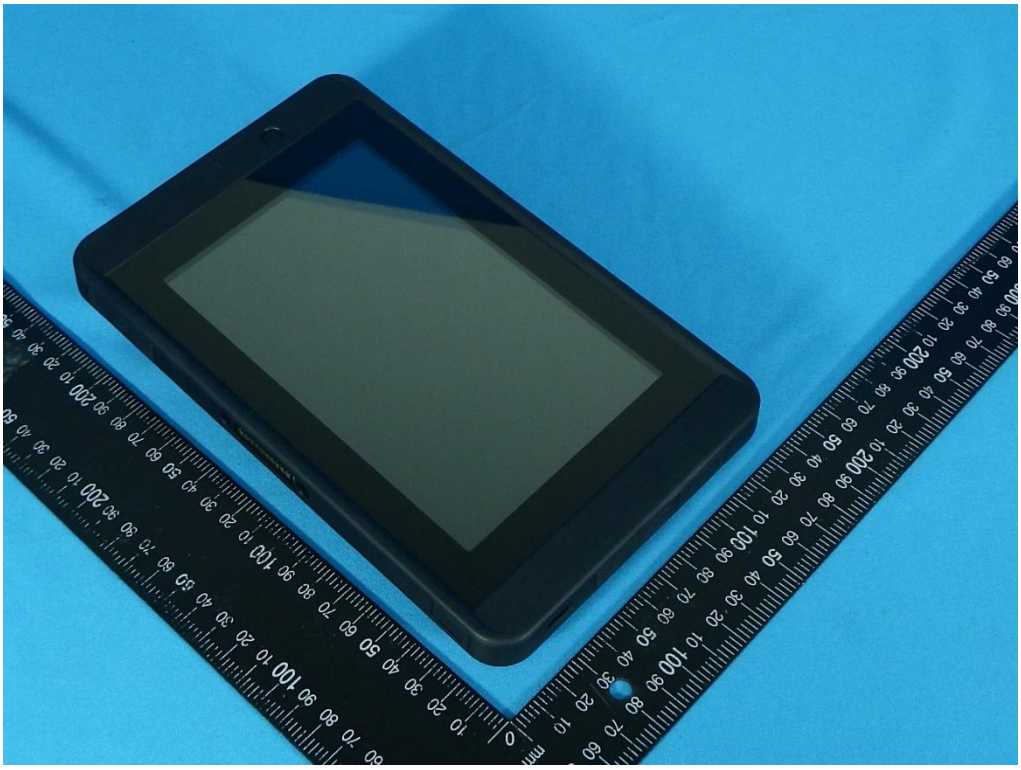
Front view

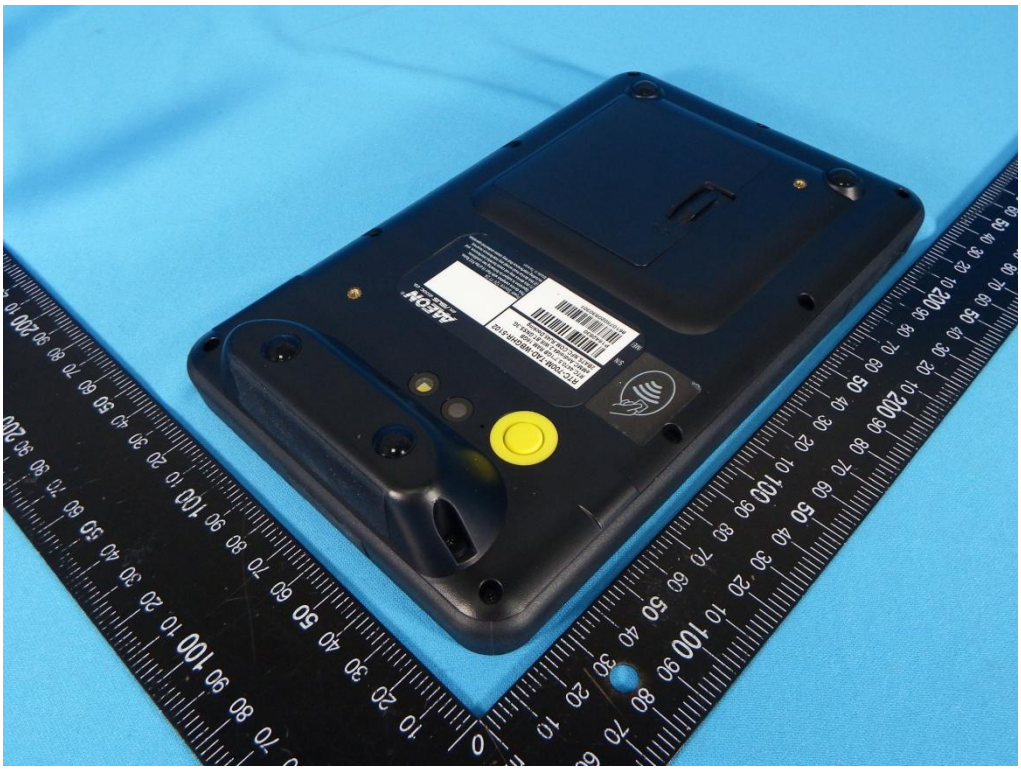


Rear view

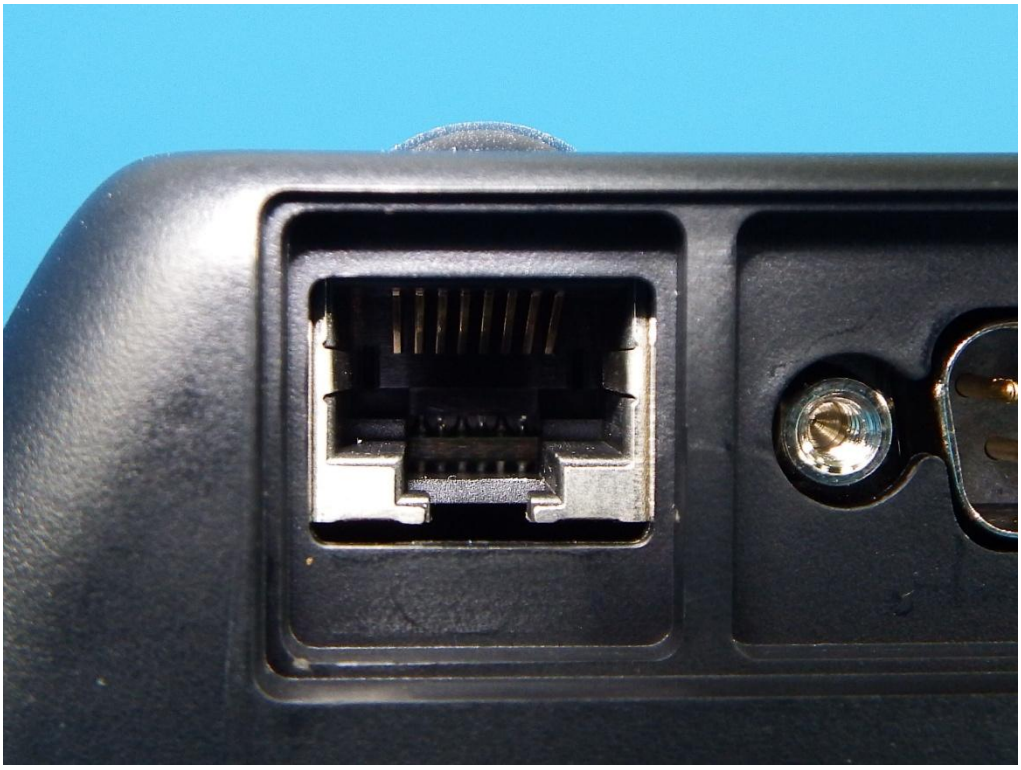


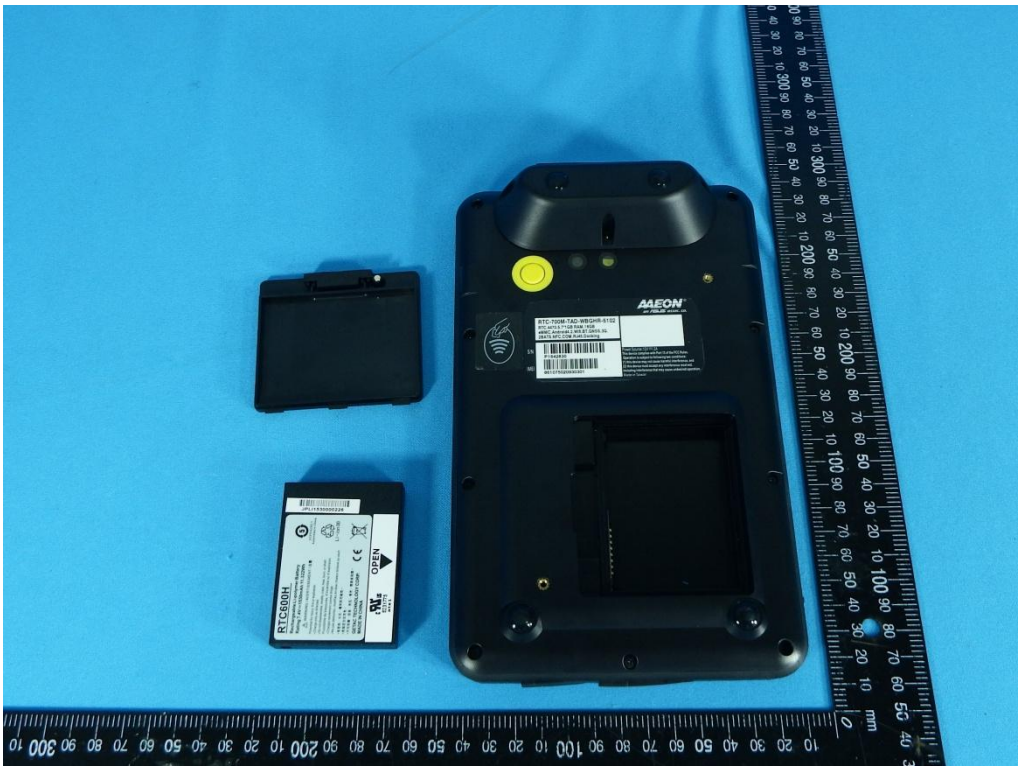
APPENDIX B. Photographs of EUT



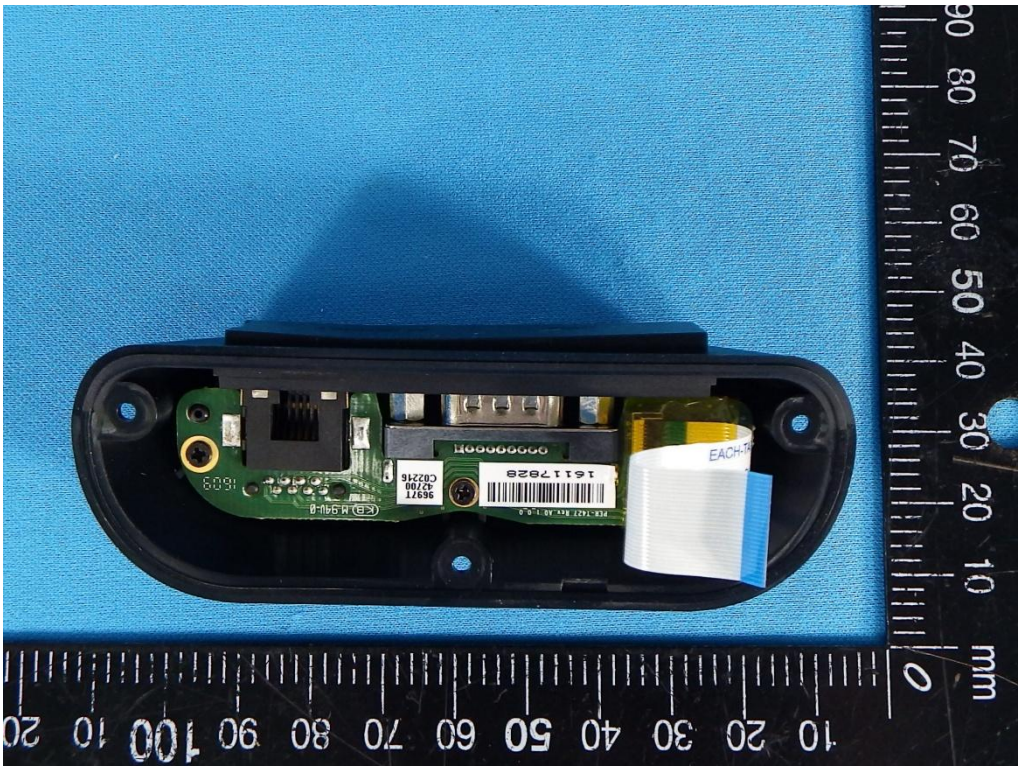


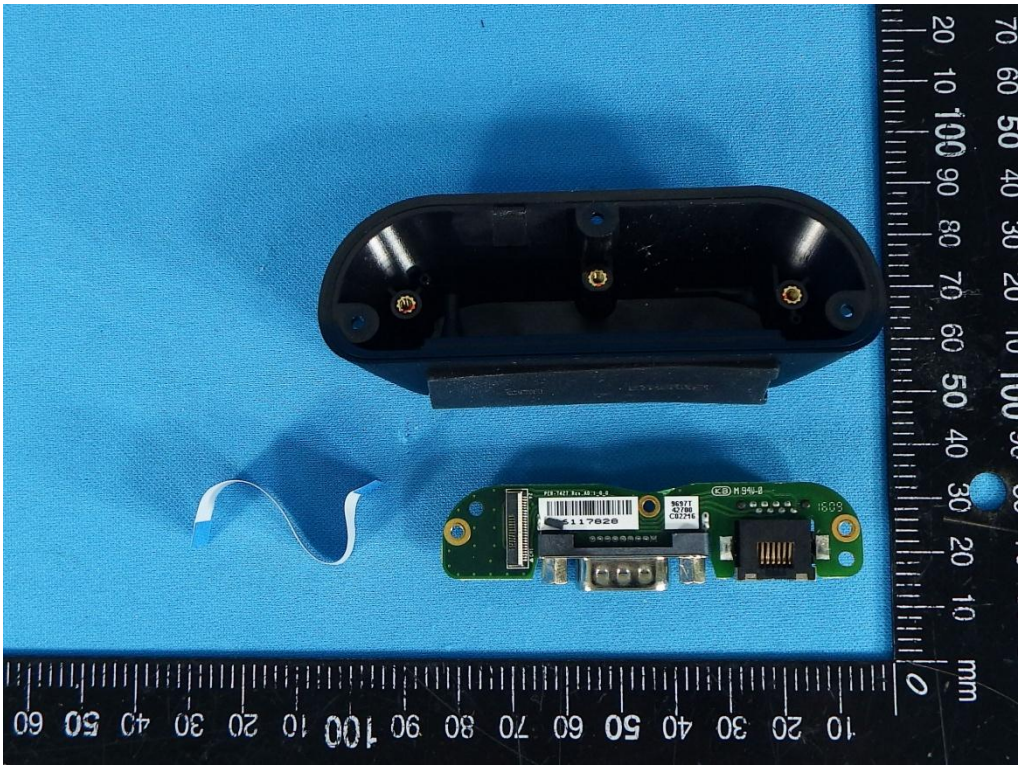

AAEON
an ASUS assoc. co.
RTC-700M-TAD-WBGHR-5102
RTC.4470.5.7"1GB RAM.16GB
eMMC.Android4.2.Wifi.BT.GNSS.3G.
2BATS.NFC.COM.RJ45.Docking
S/N
P1642830
IMEI
861075020930301
Power Source:12V ⎓ 2A
This device complies with Part 15 of the FCC Rules.
Operation is subject to following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause undesired operation.
Made in Taiwan

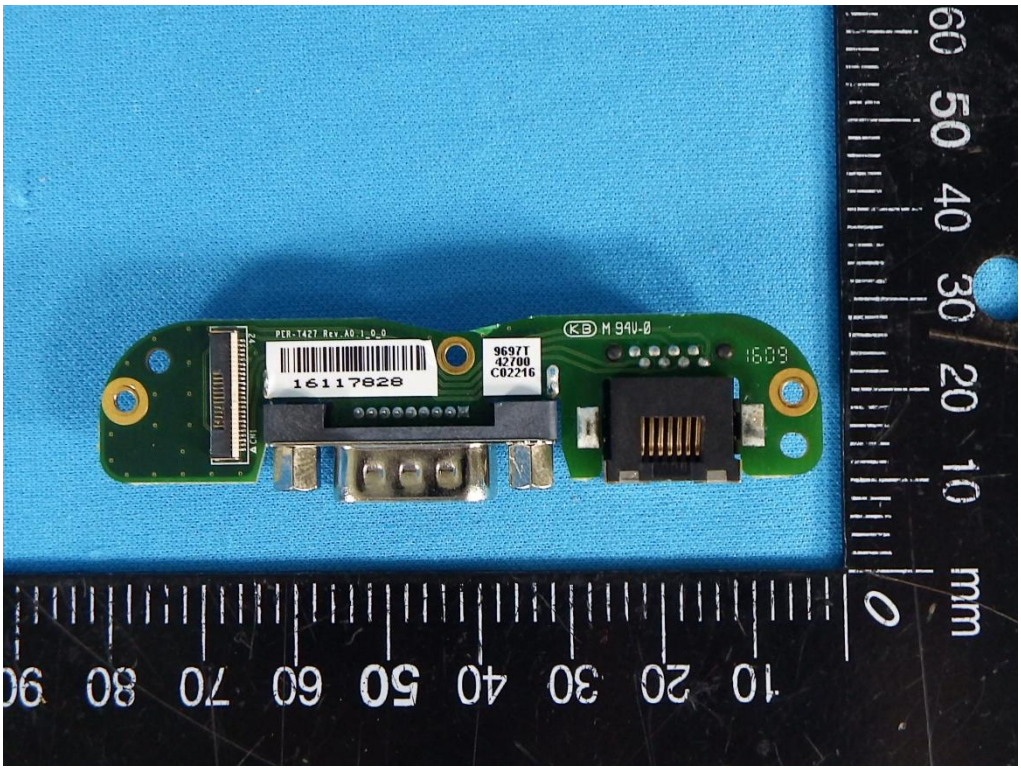


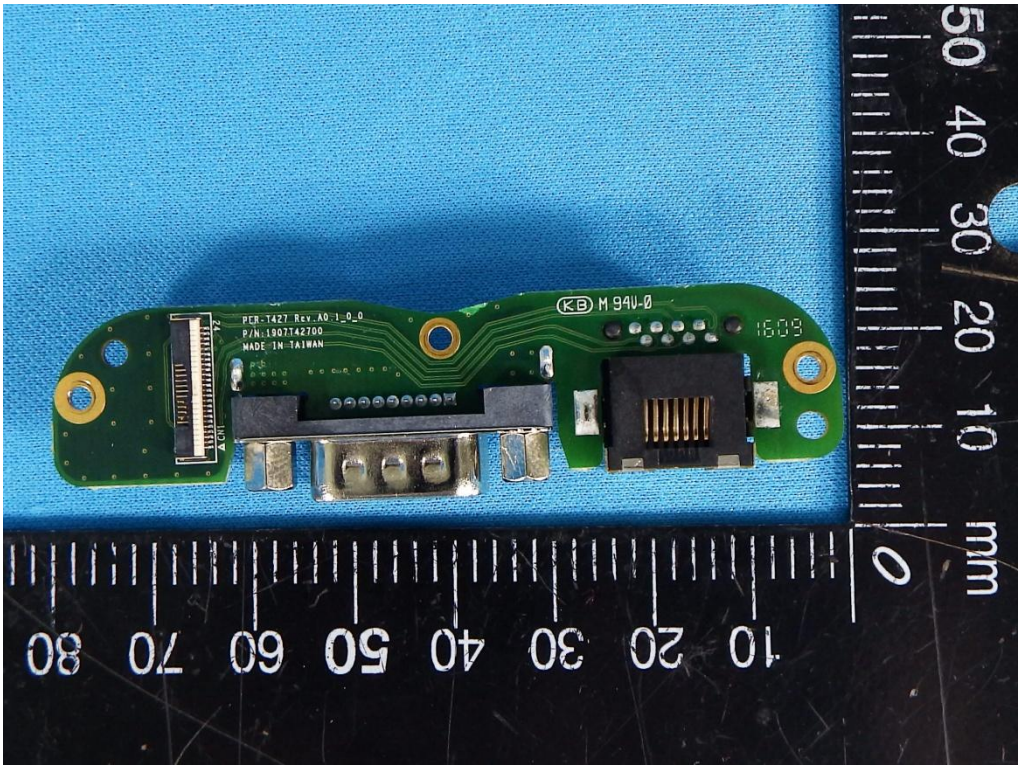

AAEON
RTC-700M-TAD-WBGHR-S1G2
RTC660H
OPEN

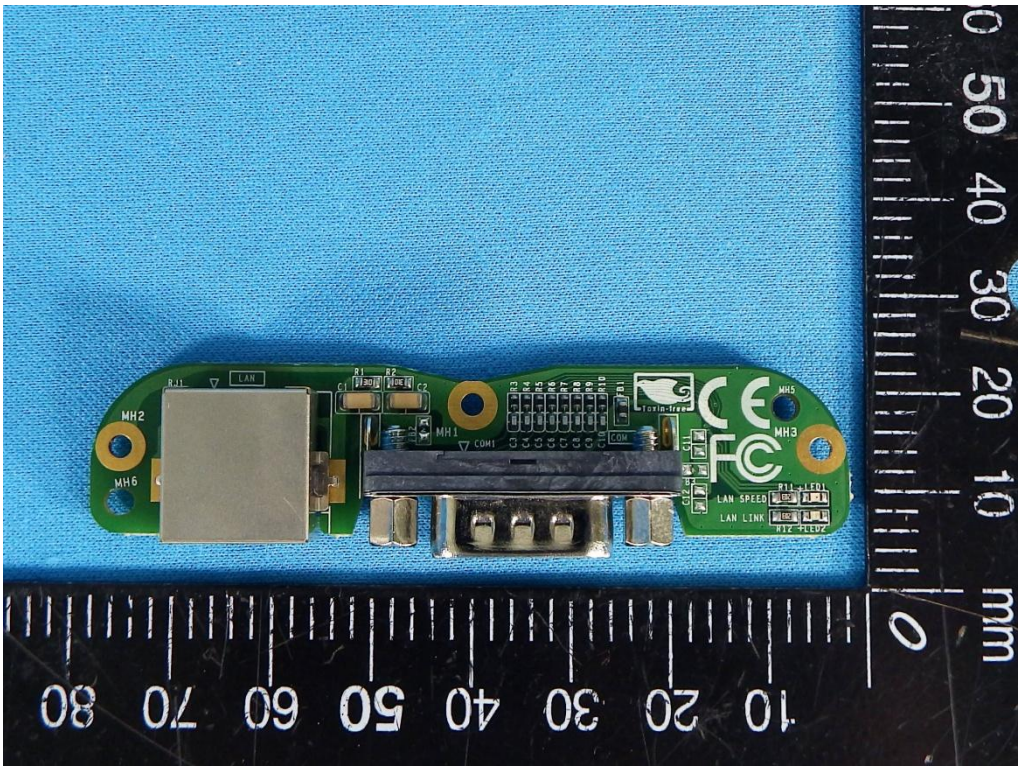

AAEON
RTC-700M-TAD-WBGHR-S1G2

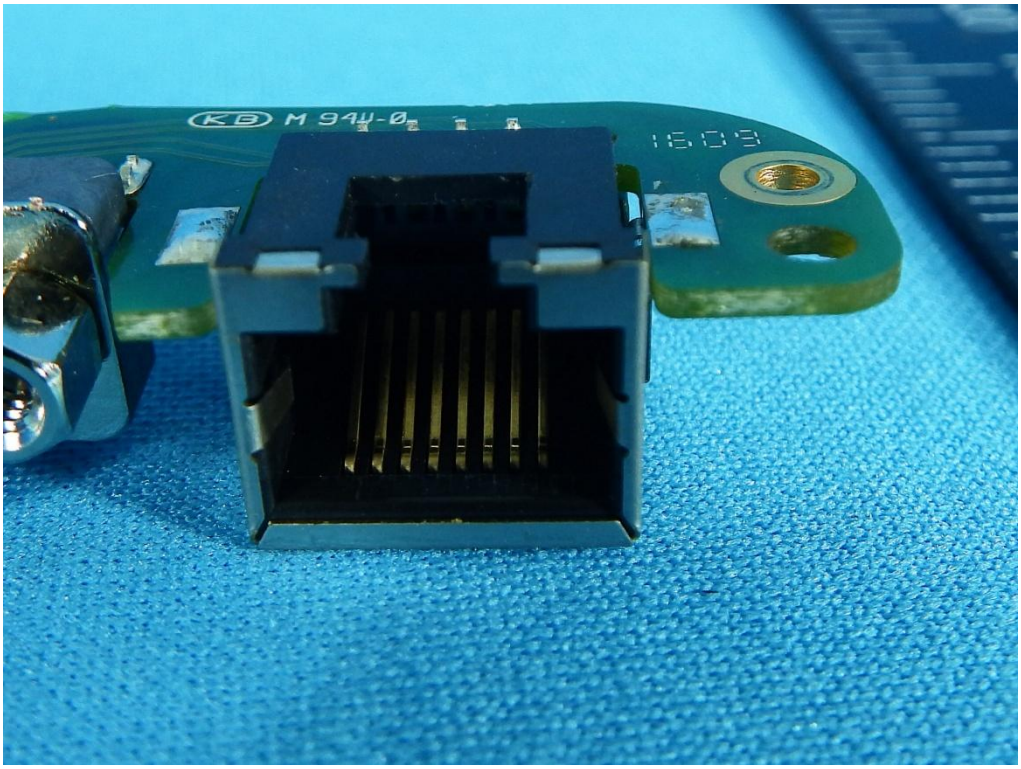


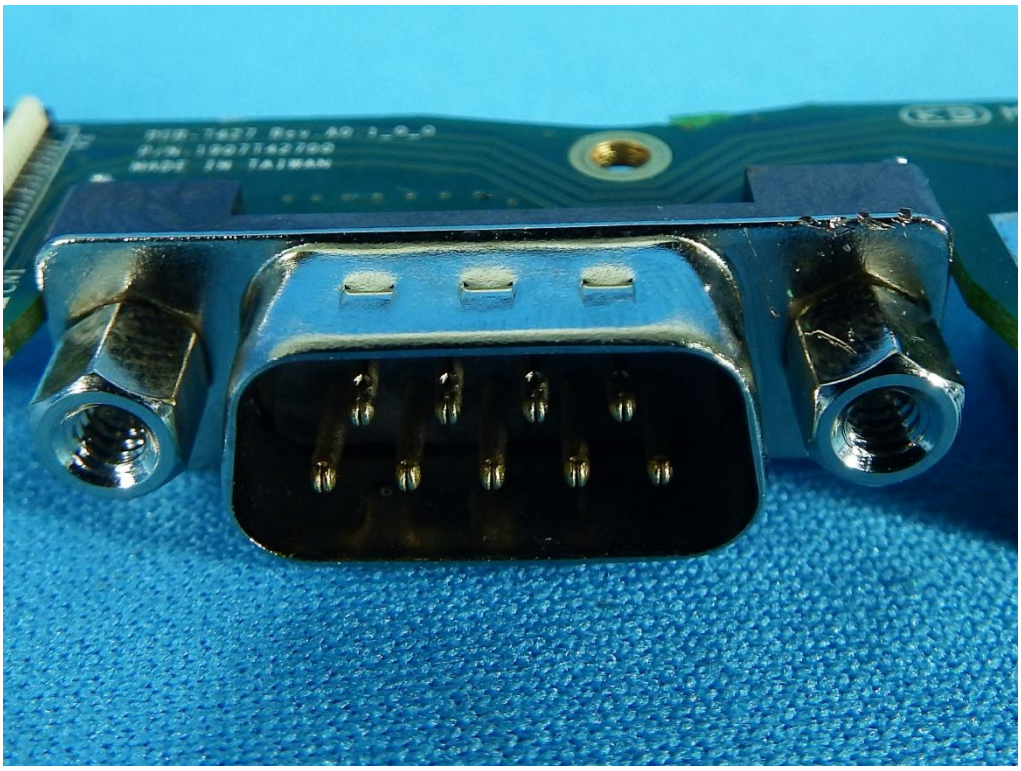



PCB-T427 Rev.A0:1_0_0
16117828
9697T
42700
C02216
KB M 94V-0
16.09

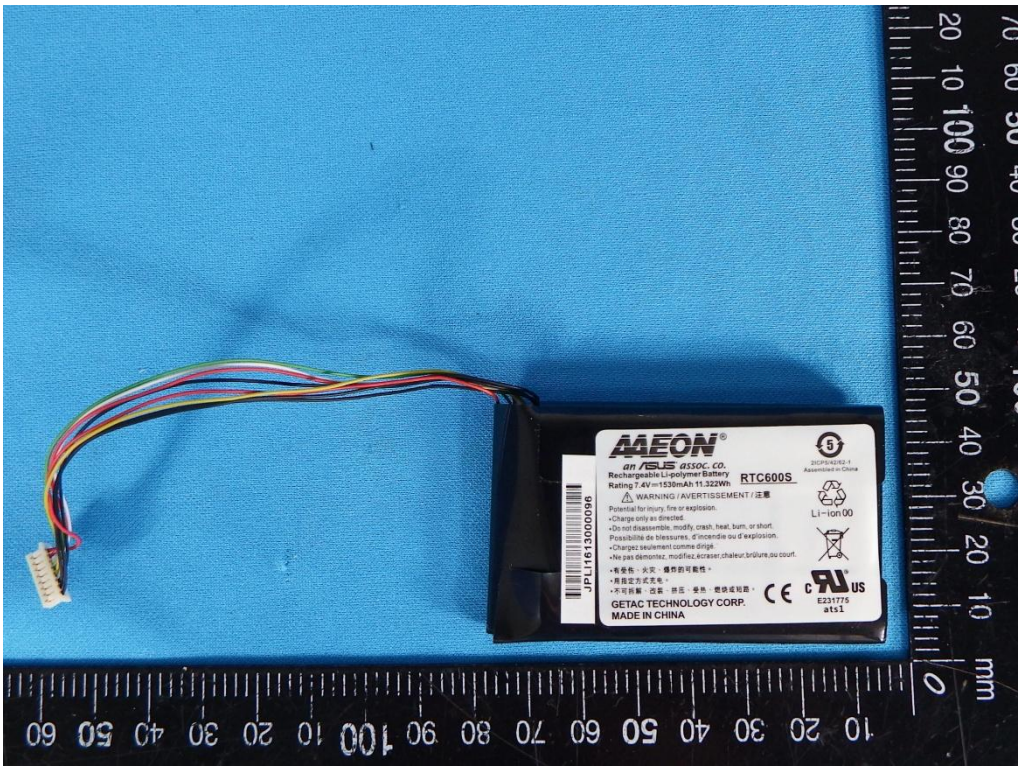

PCB-T427 Rev.A0:1_0_0
P/N:19077427OO
MADE IN TAIWAN
KB M 94V-0
16.09


MH2
MH6
MH1
MH5
MH3
LAN SPEED
LAN LINK
0 50 40 30 20 10 mm
10 20 30 40 50 60 70 80



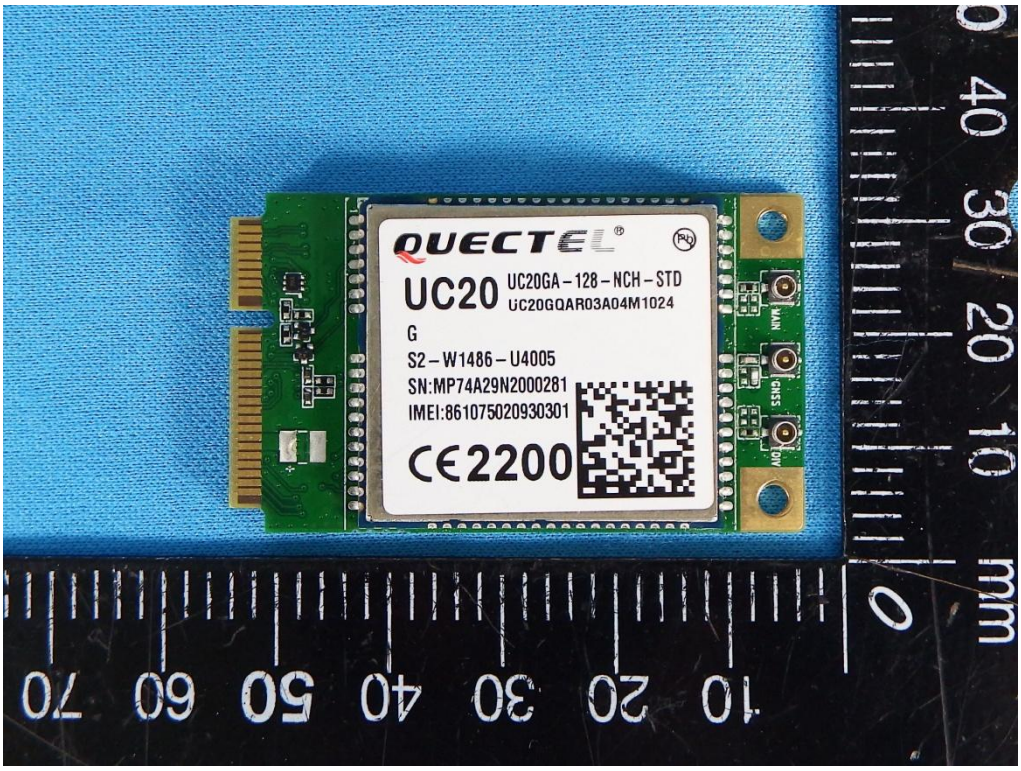



UC20
CE2200

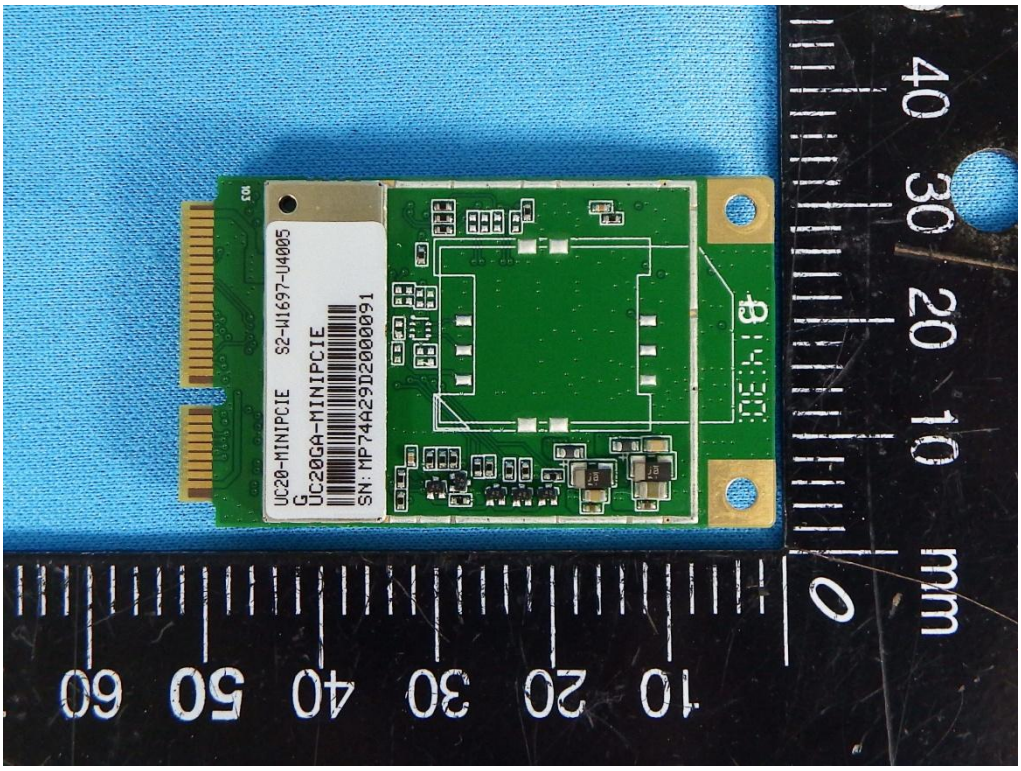

AAEON
an ASUS assoc. co.
Rechargeable Li-polymer Battery
Rating 7.4V⎓1530mAh 11.322Wh
RTC600S
WARNING / AVERTISSEMENT / 注意
Potential for injury, fire or explosion.
•Charge only as directed.
•Do not disassemble, modify, crash, heat, burn, or short.
Possibilité de blessures, d'incendie ou d'explosion.
•Chargez seulement comme dirigé.
•Ne pas démontez, modifiez,écraser,chaleur,brûlure,ou court.
•有受伤、火灾、爆炸的可能性。
•用指定方式充电。
•不可拆解、改装、挤压、受热、燃烧或短路。
GETAC TECHNOLOGY CORP.
MADE IN CHINA
JPLI1613000096
2ICP5/42/62-1
Assembled in China
Li-ion 00
E231775
ats1

Battery 1

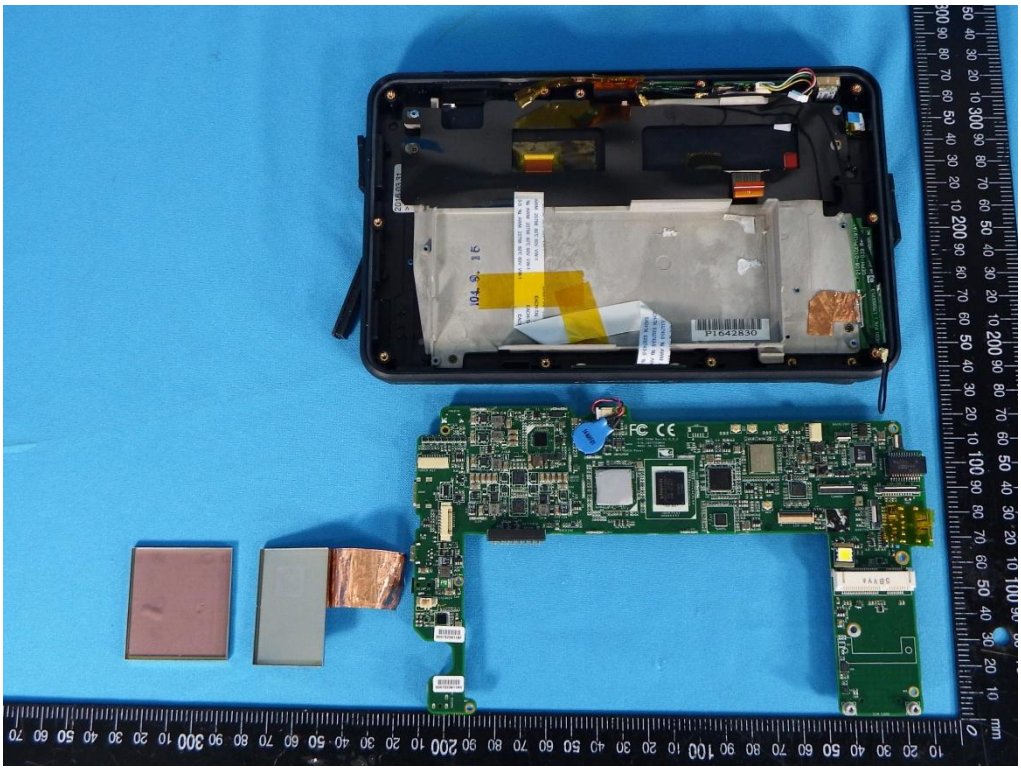

AAEON®
an ASUS assoc. co.
Rechargeable Li-polymer Battery
Rating 7.4V⎓1530mAh 11.322Wh
RTC600S
WARNING / AVERTISSEMENT / 注意
Potential for injury, fire or explosion.
▪Charge only as directed.
▪Do not disassemble, modify, crash, heat, burn, or short.
Possibilité de blessures, d'incendie ou d'explosion.
▪Chargez seulement comme dirigé.
▪Ne pas démontez, modifiez,écraser,chaleur,brûlure,ou court.
▪有受伤、火灾、爆炸的可能性。
▪用指定方式充电。
▪不可拆解、改装、挤压、受热、燃烧或短路。
GETAC TECHNOLOGY CORP.
MADE IN CHINA
JPLI1613000096
2ICP5/42/62-1
Assembled in China
Li-ion 00
E231775
ats1

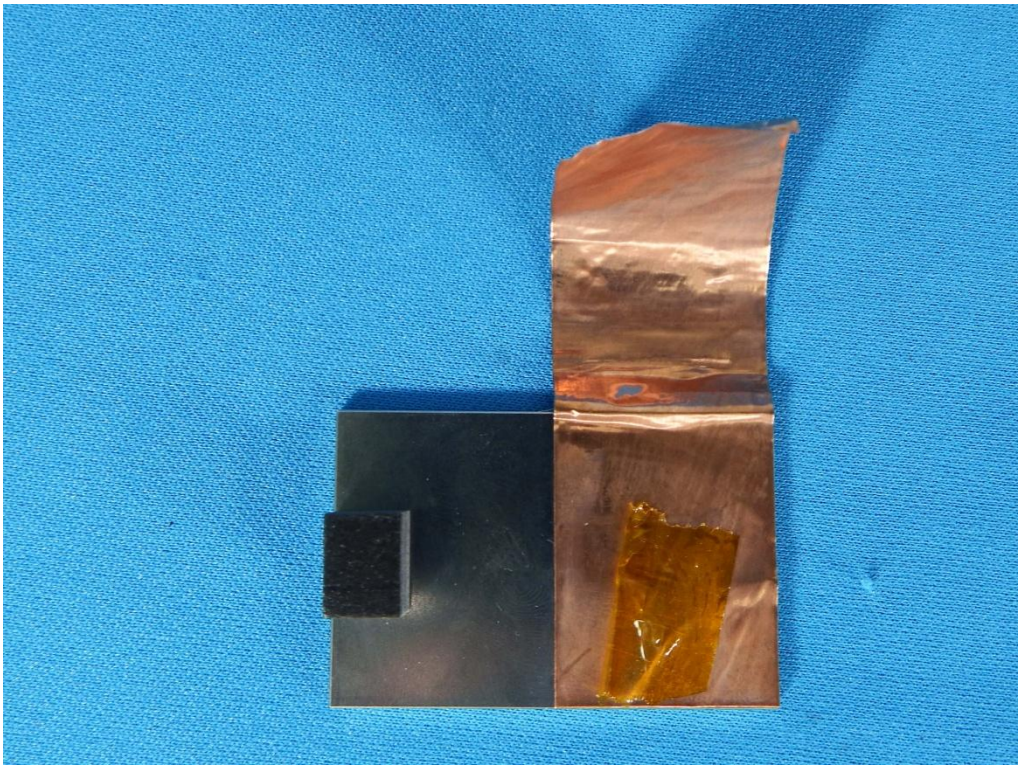

QUECTEL
UC20 UC20GA-128-NCH-STD
UC20GQAR03A04M1024
G
S2-W1486-U4005
SN:MP74A29N2000281
IMEI:861075020930301
CE2200
MAIN
GNSS
DIV

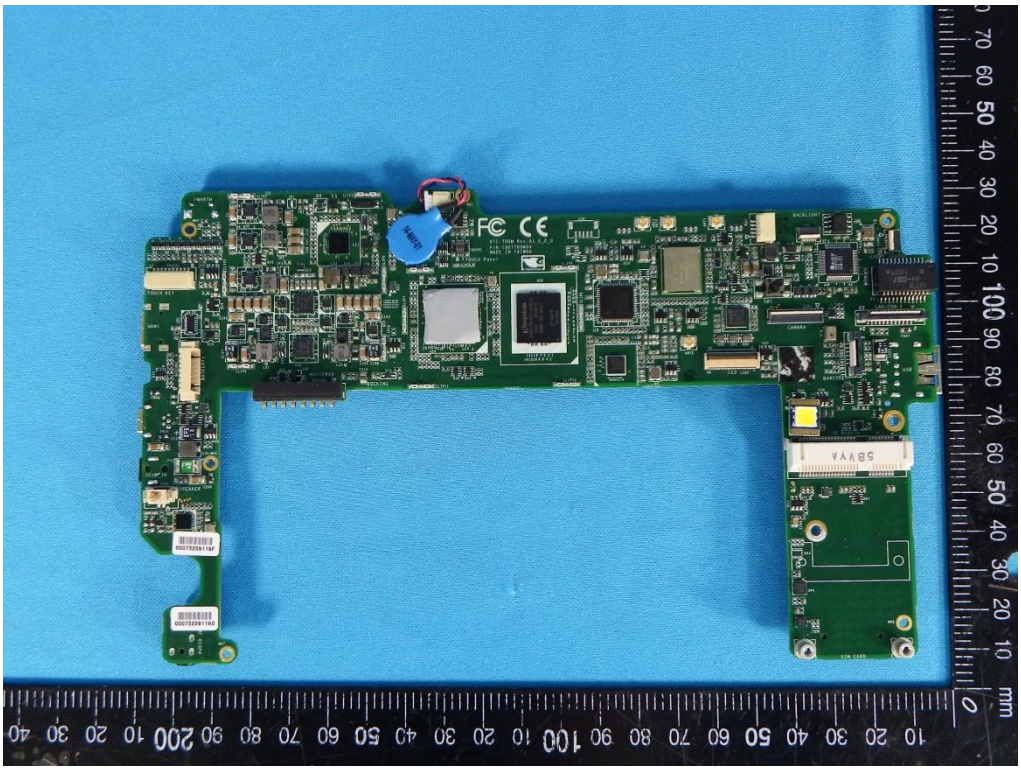

MAIN
GNSS
DIV

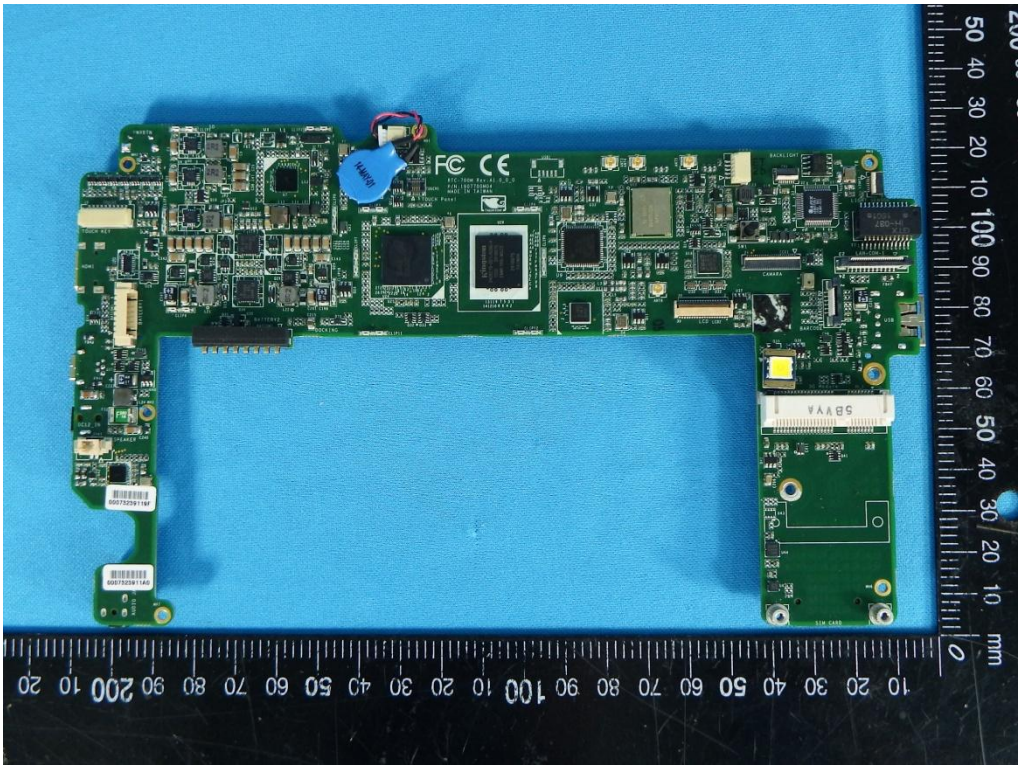

UC20-MINIPCIE S2-W1697-U4005
G
UC20GA-MINIPCIE
SN: MP74A29D2000091

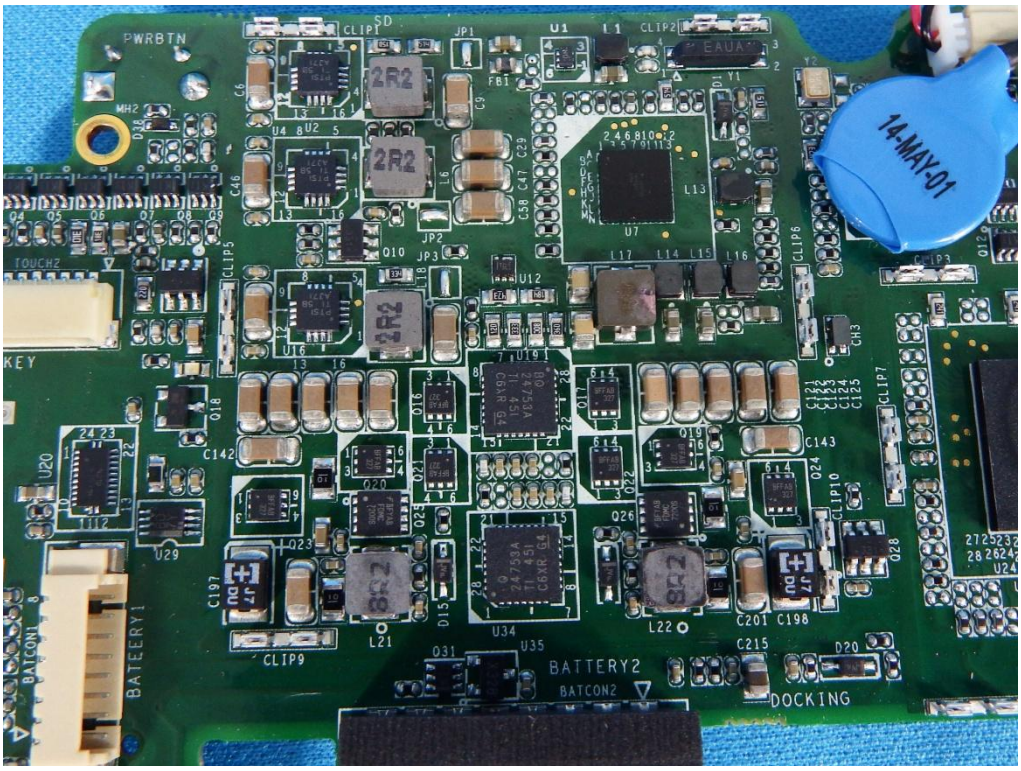

P164283

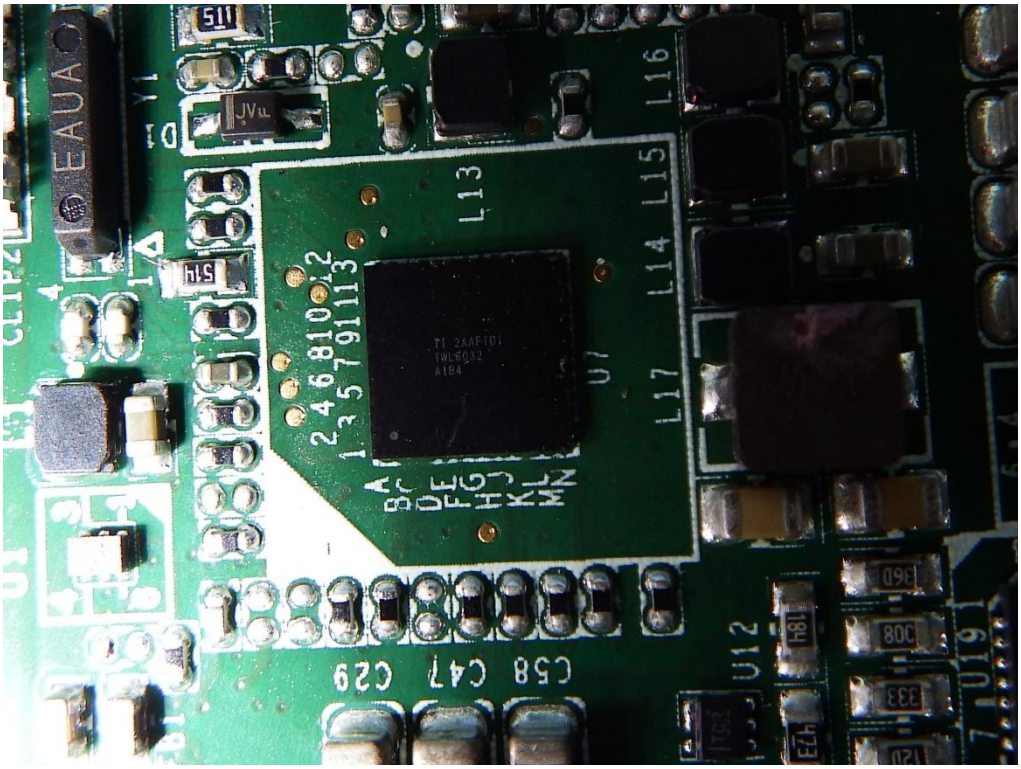


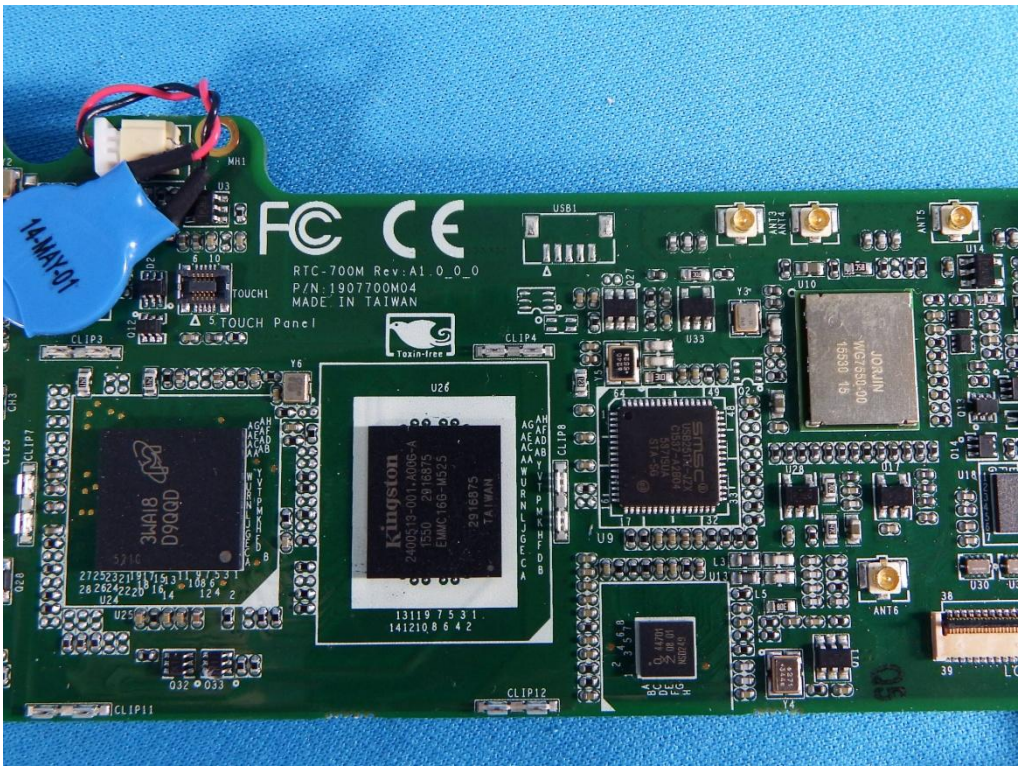


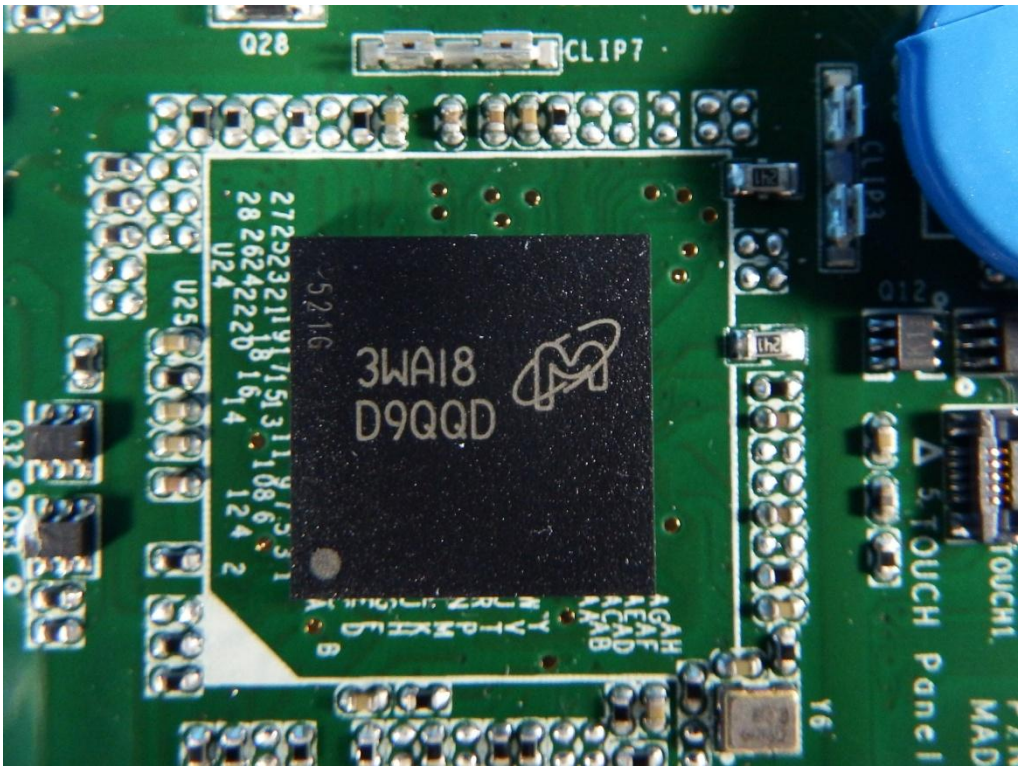


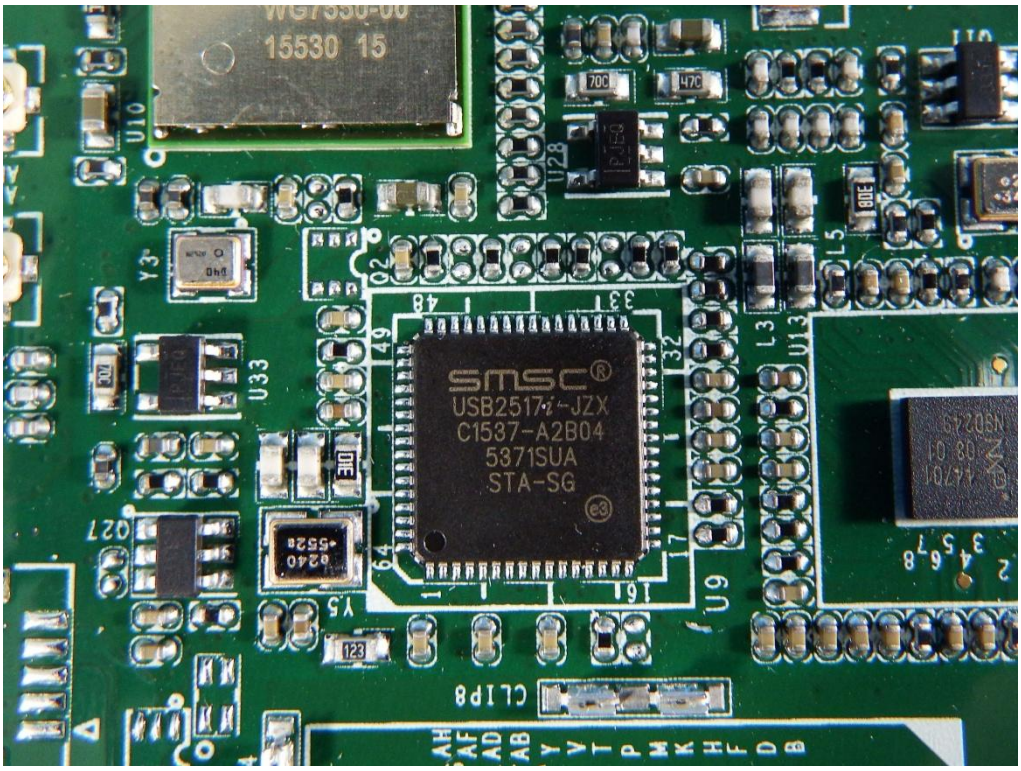


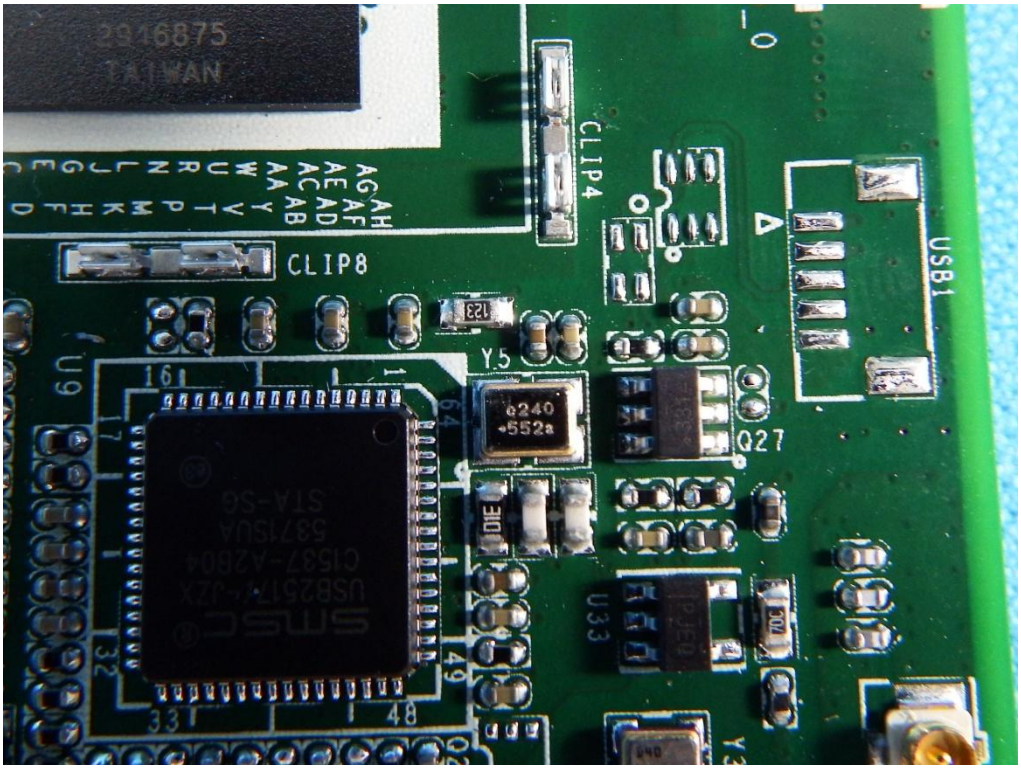

PWRBTN
TOUCH2
KEY
BATEERY1
BATCON1
CLIP9
BATTERY2
BATCON2
DOCKING
14-MAY-01


EAUA
L13
L16
L15
L14
L17
U7
U12
C58 C47 C29

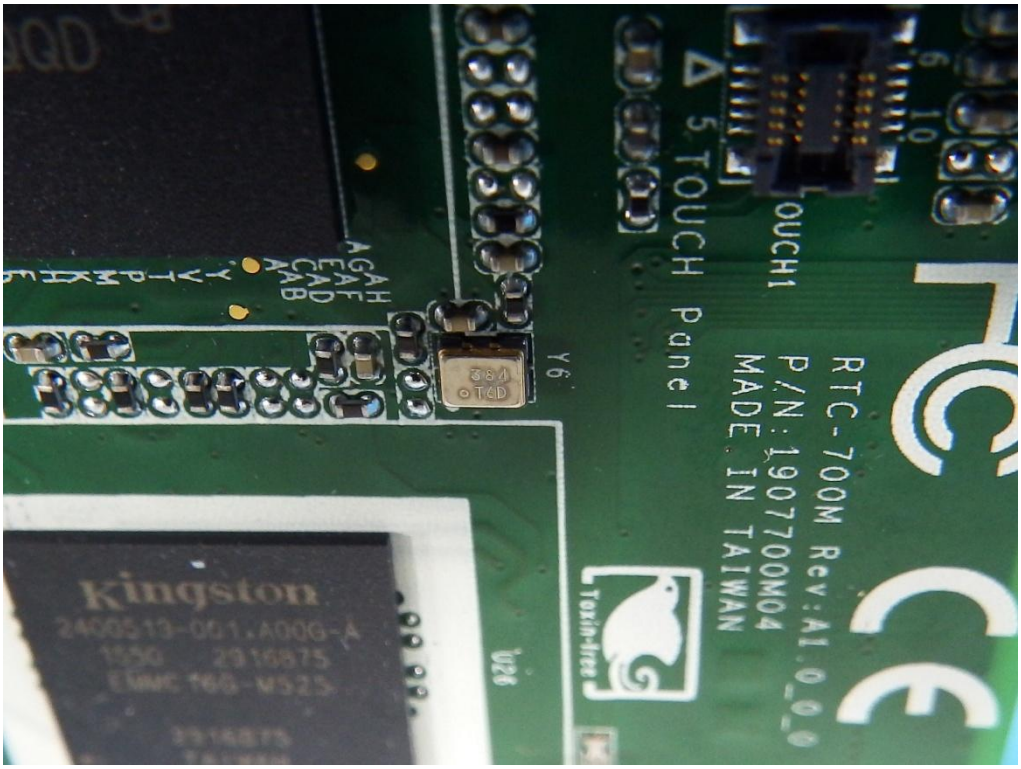

RTC-700M Rev:A1.0_0_0
P/N:1907700M04
MADE IN TAIWAN
5 TOUCH Panel
14-MAY-01
3WA18
D9QQD
Kingston

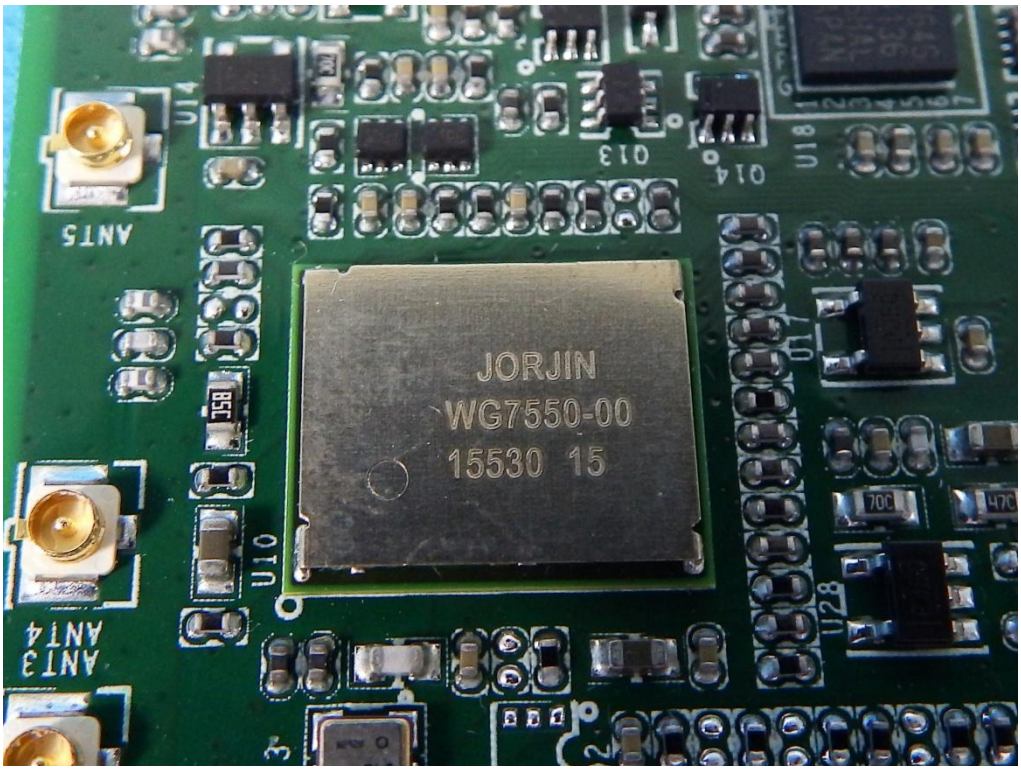

Q28
CLIP7
3WA18
D9QQD
U24
U25
5 TOUCH Panel

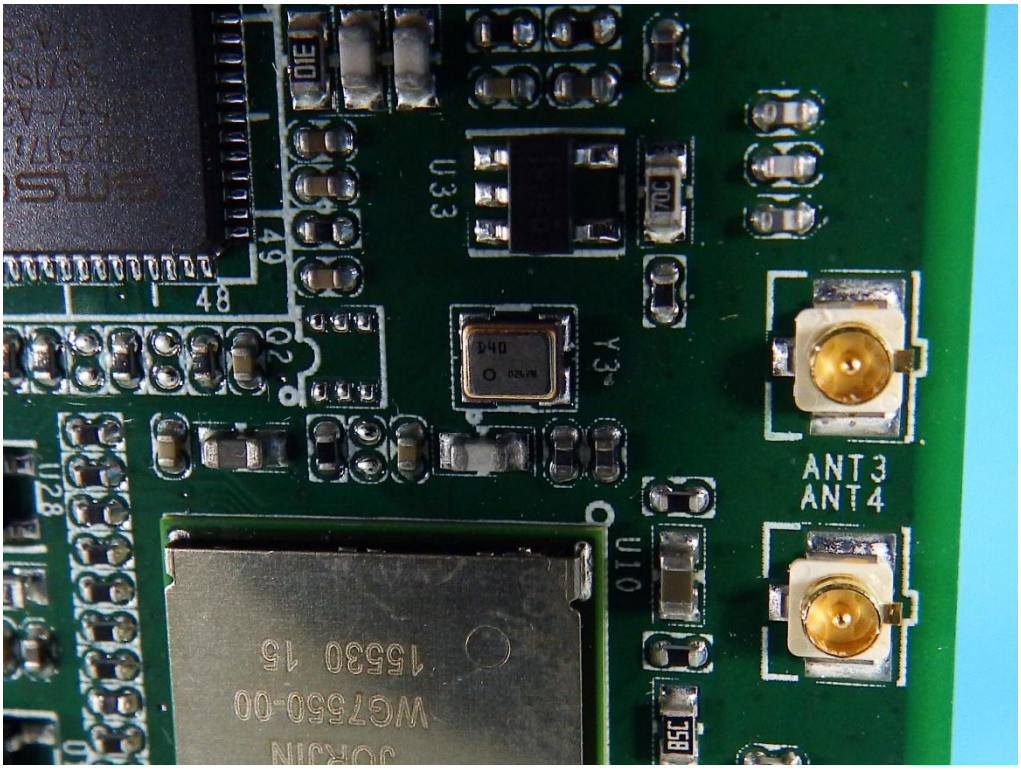

15530 15
U10
U28
Y3
U33
Q27
smsc
USB2517i-JZX
C1537-A2B04
5371SUA
STA-SG
U9
Y5
CLIP8


2916875
TAIWAN
CLIP4
CLIP8
USB1
Y5
Q27
U33
U9

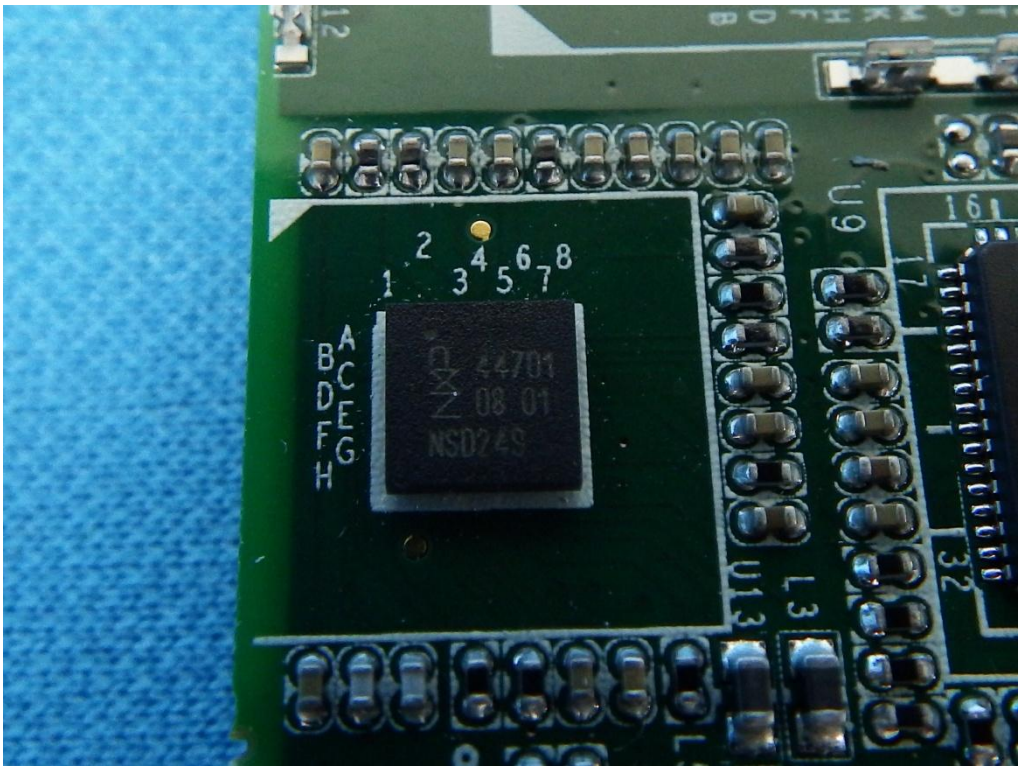

Kingston
2400513-001.A00G-A
1550 2916875
EMMC16G-M525
2916875
TAIWAN
U26
Y6
Toxin-free

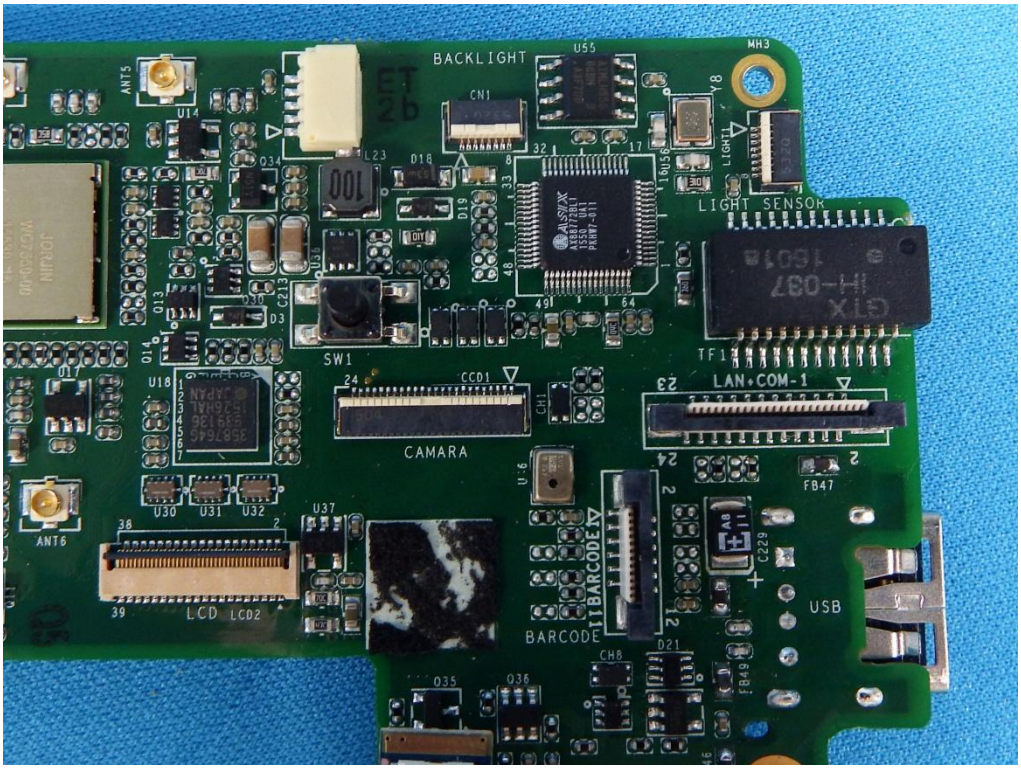

TOUCH1
5 TOUCH Panel
RTC-700M Rev:A1.0_0
P/N:1907700M04
MADE IN TAIWAN
Y6
Kingston
Toxin-free

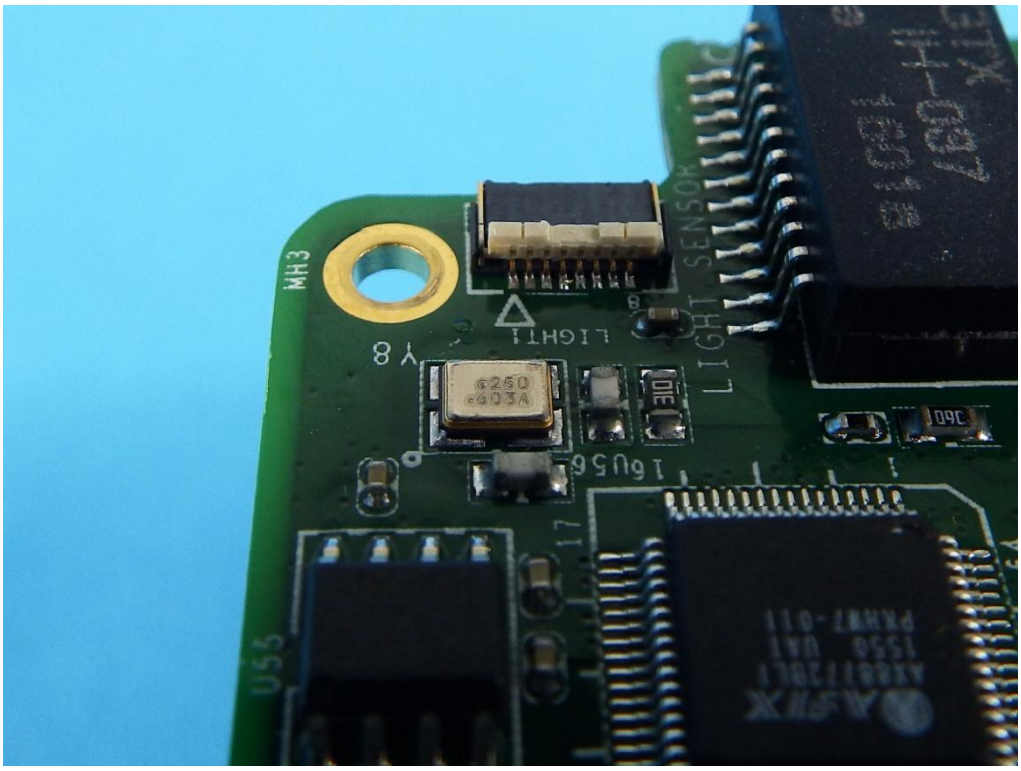

JORJIN
WG7550-00
15530 15
ANT5
ANT4
ANT3
U10
U28

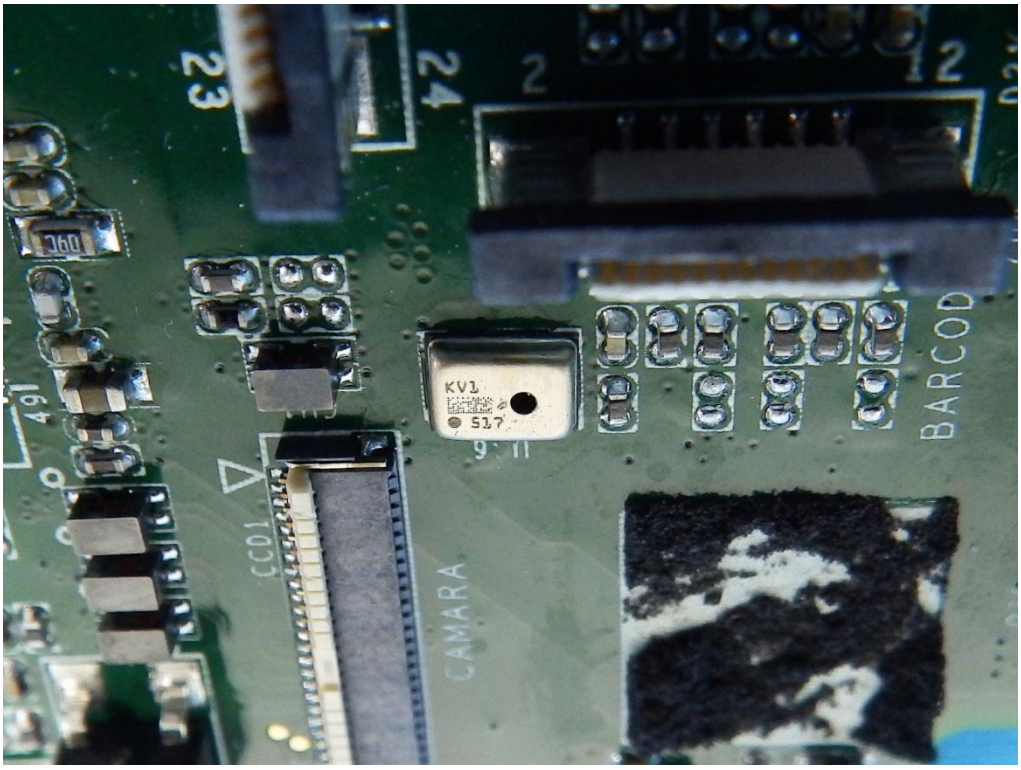

U33
Y3
ANT3
ANT4
U10
U28

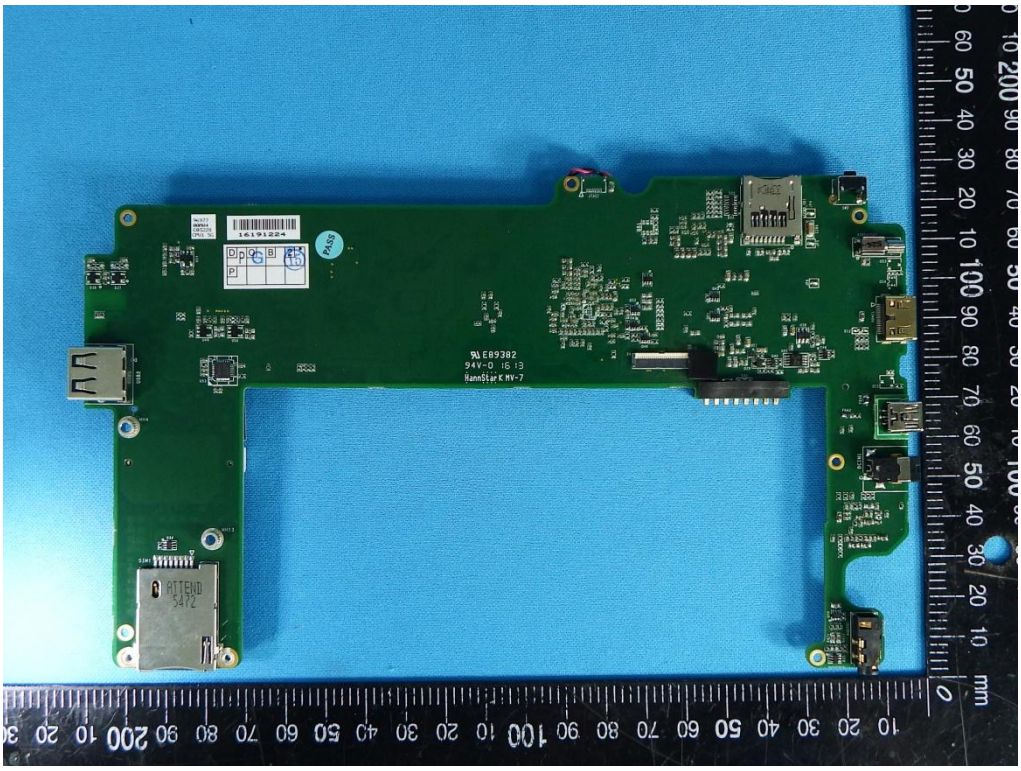
NFC Chip

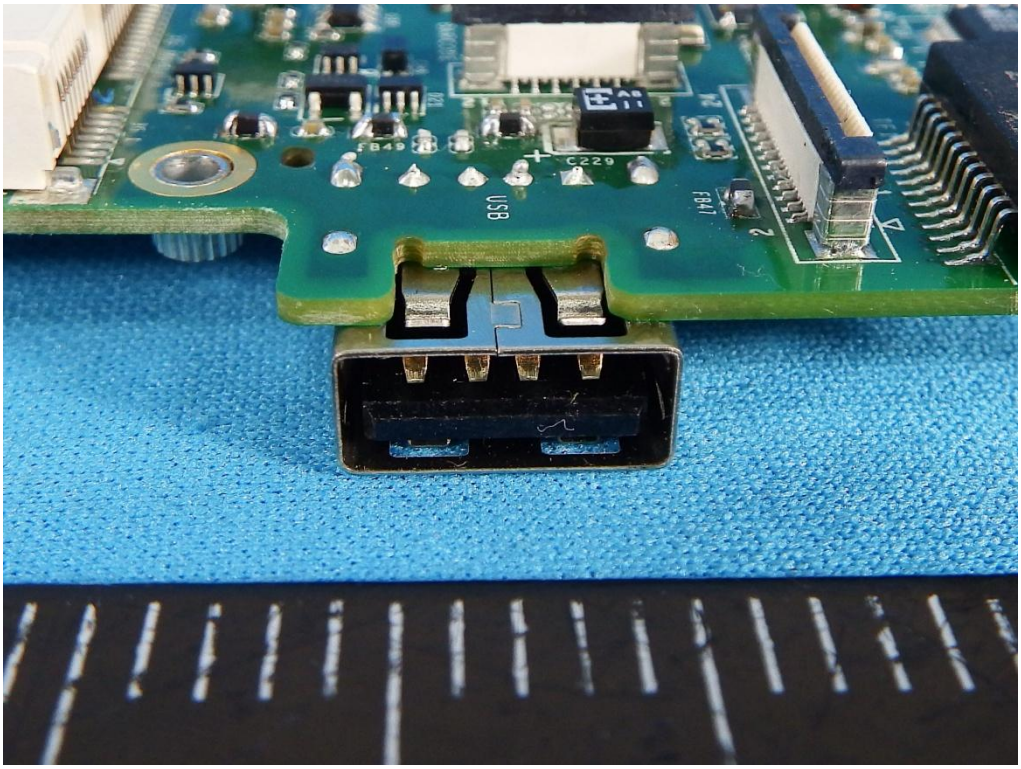

1 2 3 4 5 6 7 8
A B C D E F G H
U13
L3

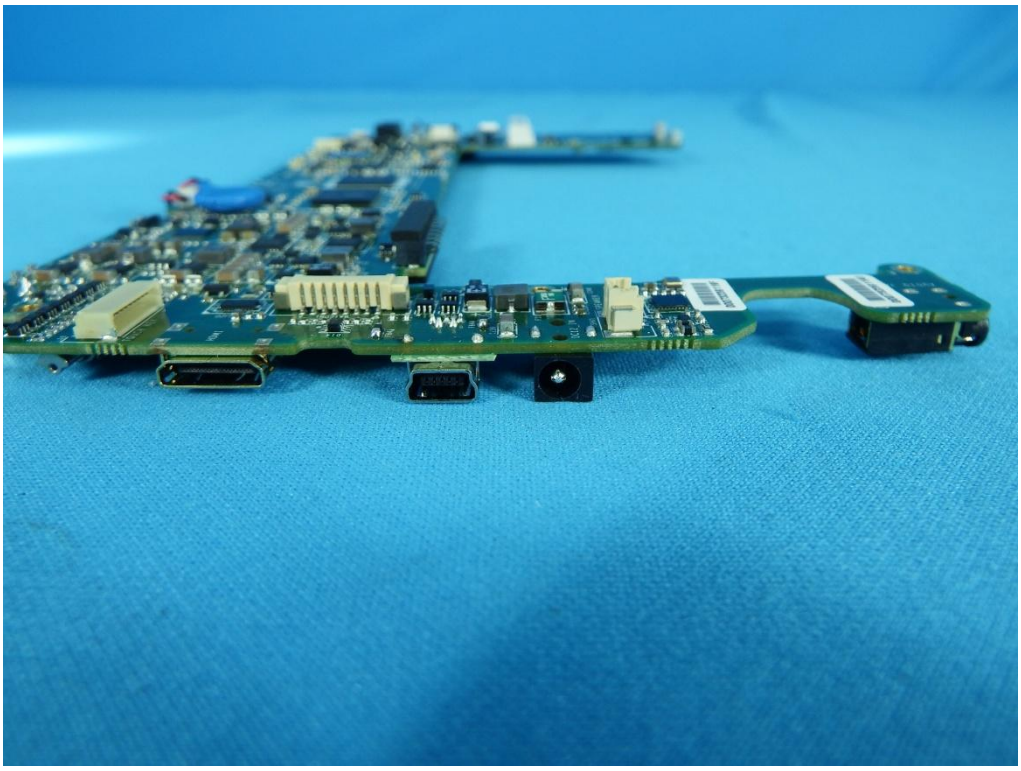

BACKLIGHT
CN1
LIGHT SENSOR
SW1
CCD1
CAMARA
LAN+COM-1
FB47
ANT6
LCD LCD2
BARCODE
USB
MH3

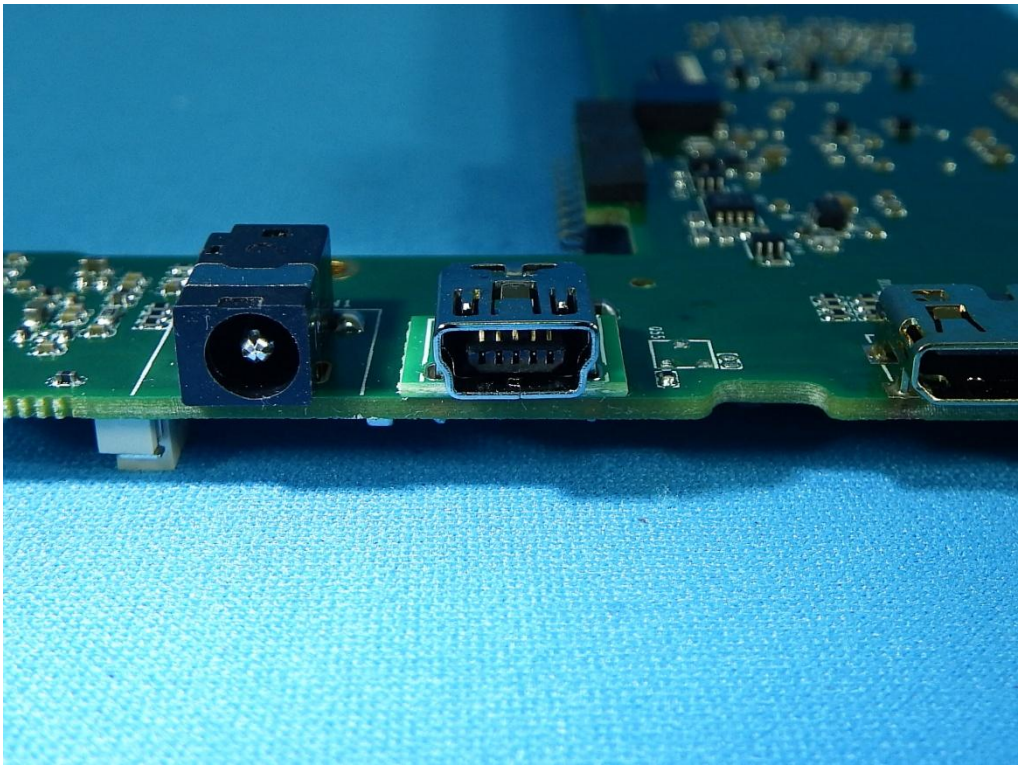

MH3
LIGHT SENSOR
U55

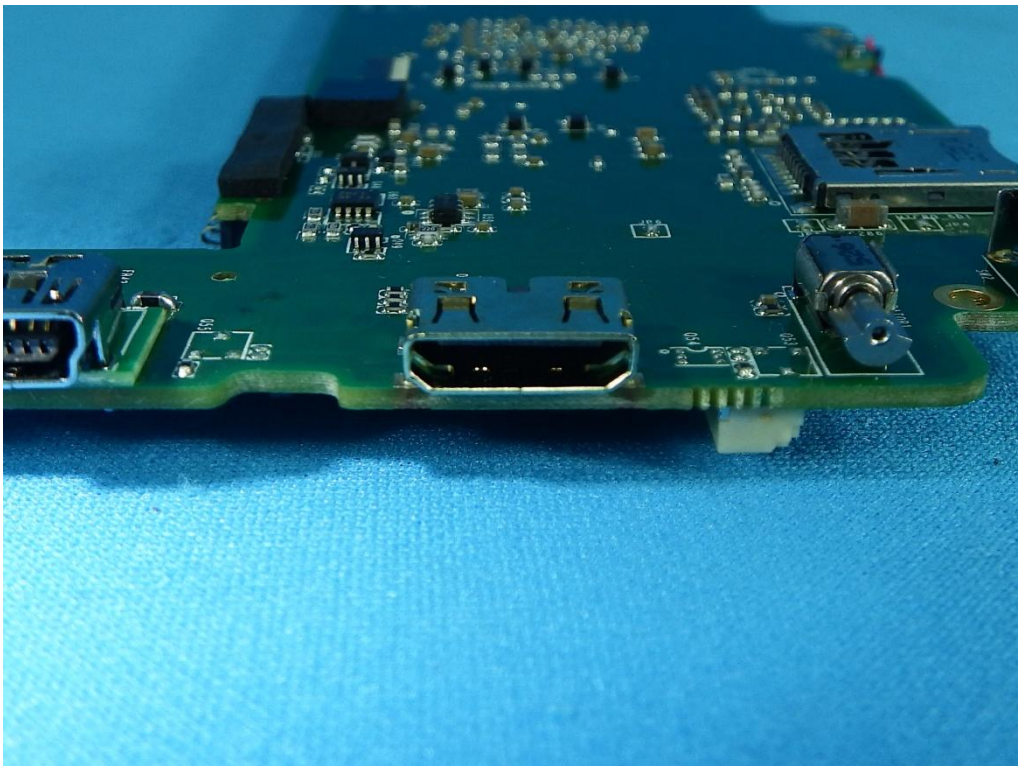

BARCOD
CAMARA
CCD1

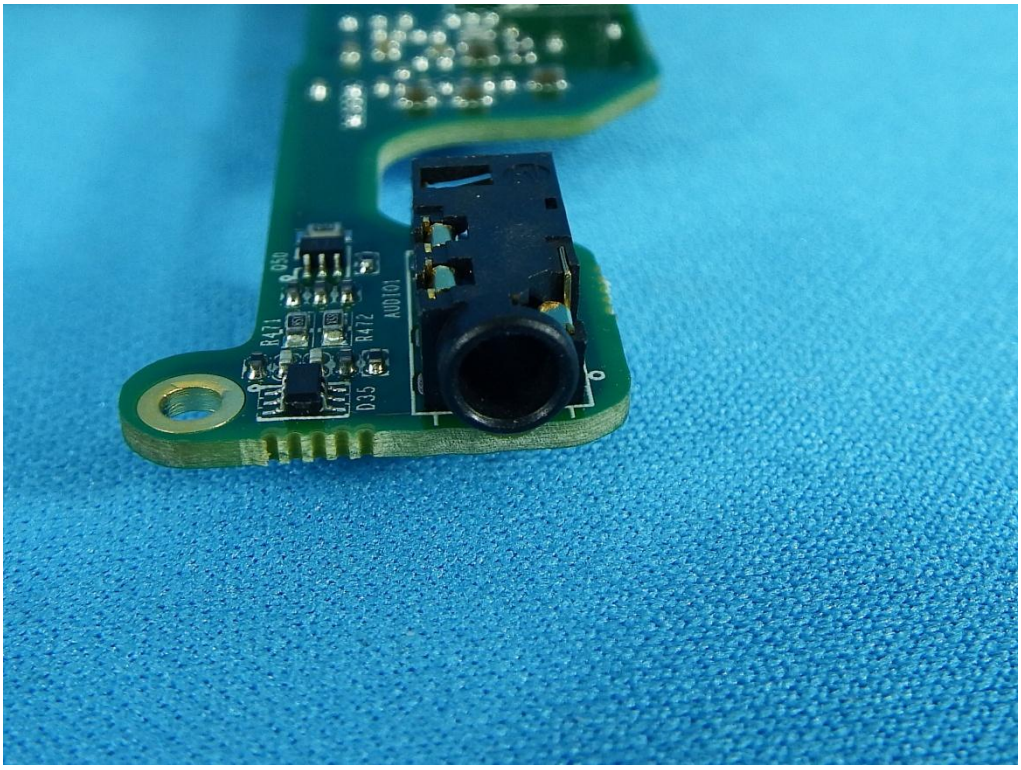

PASS
E89382
94V-0
ATTEND
5472
mm

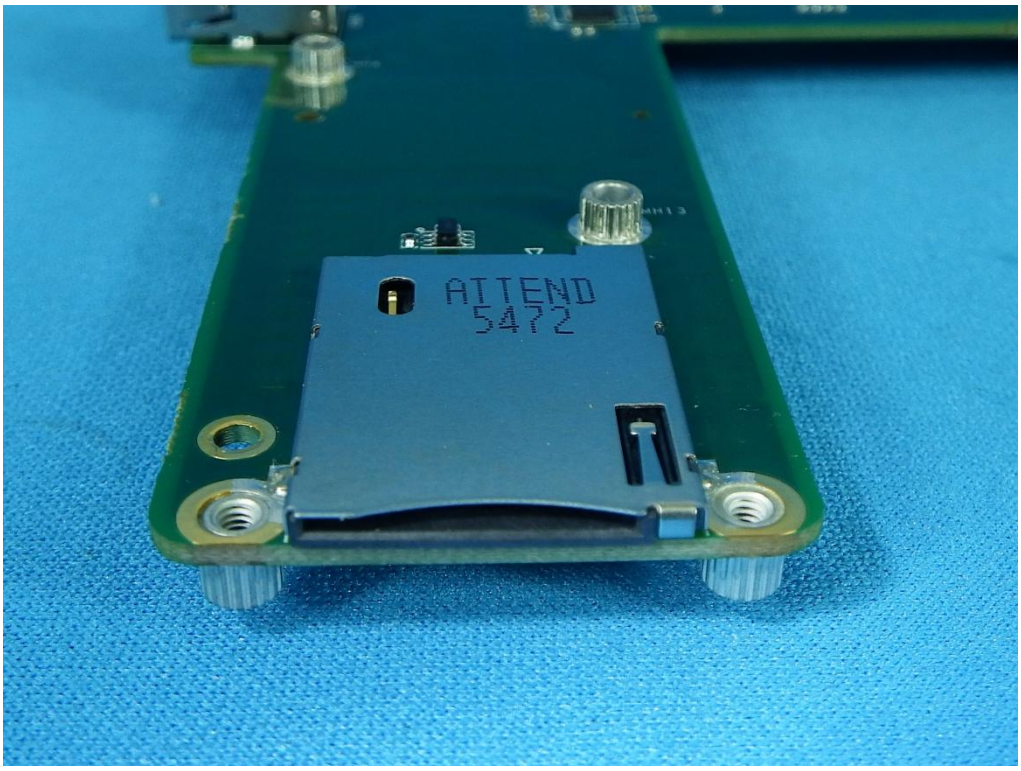

FB49
C229
USB
FB47

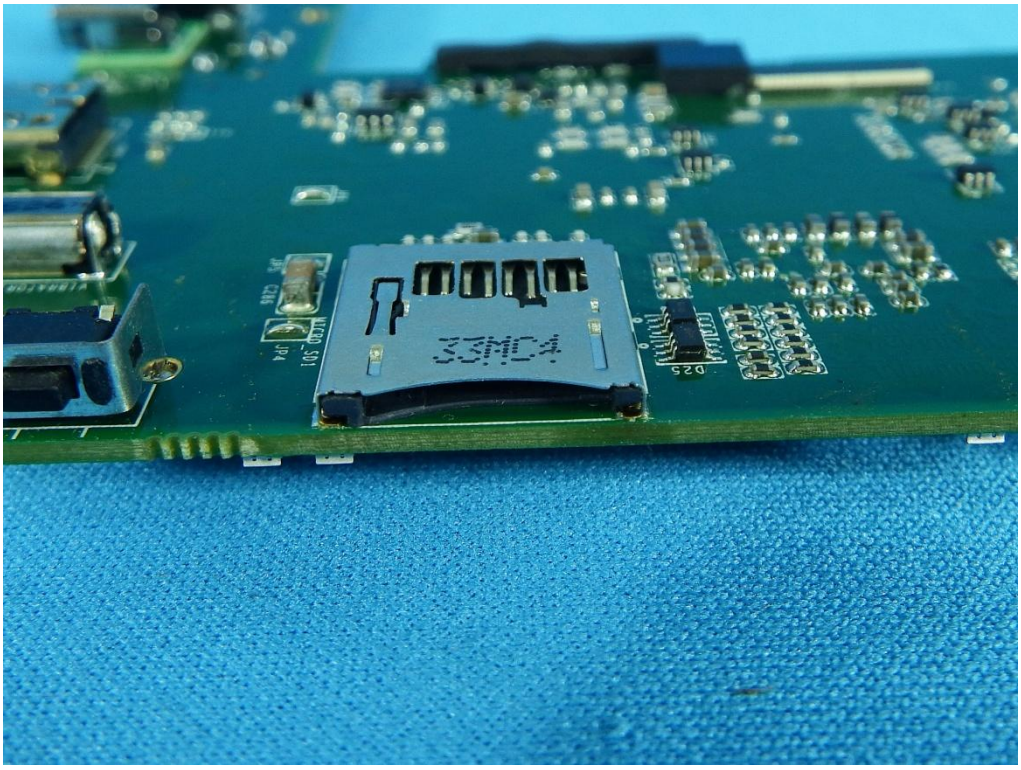


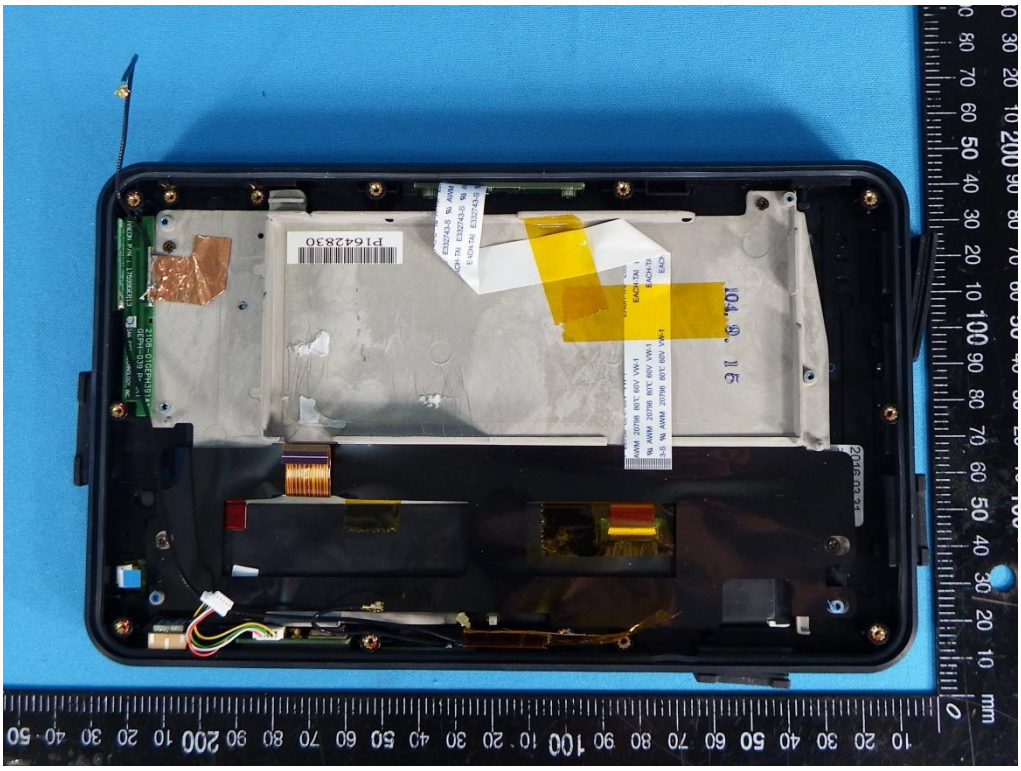


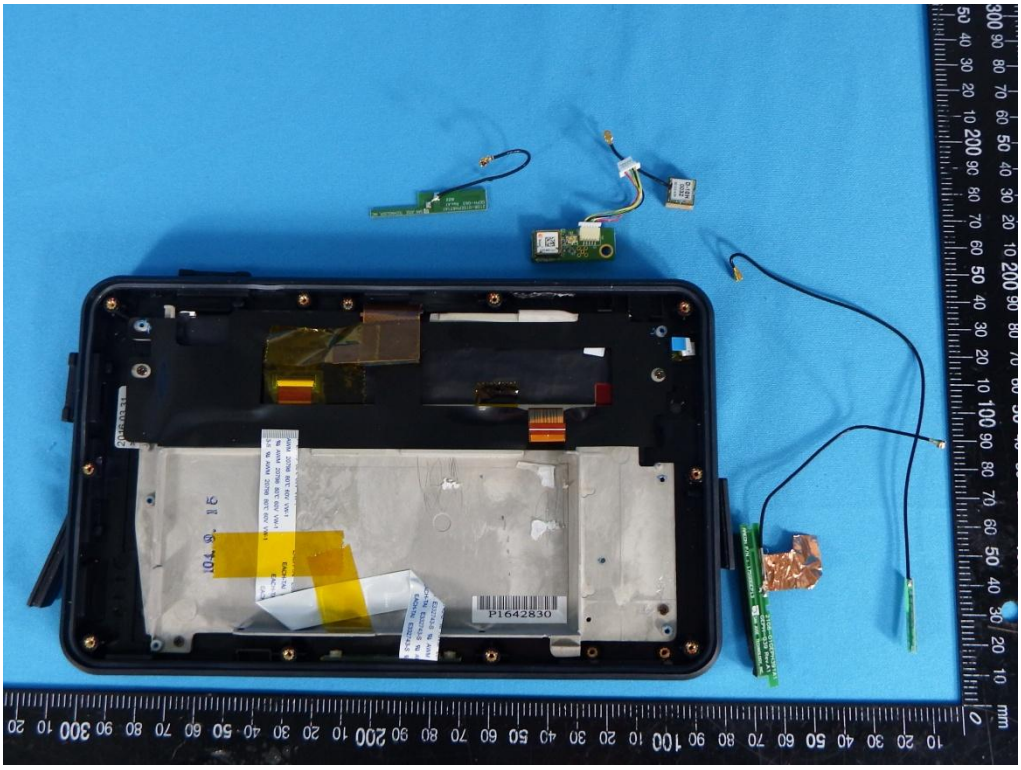


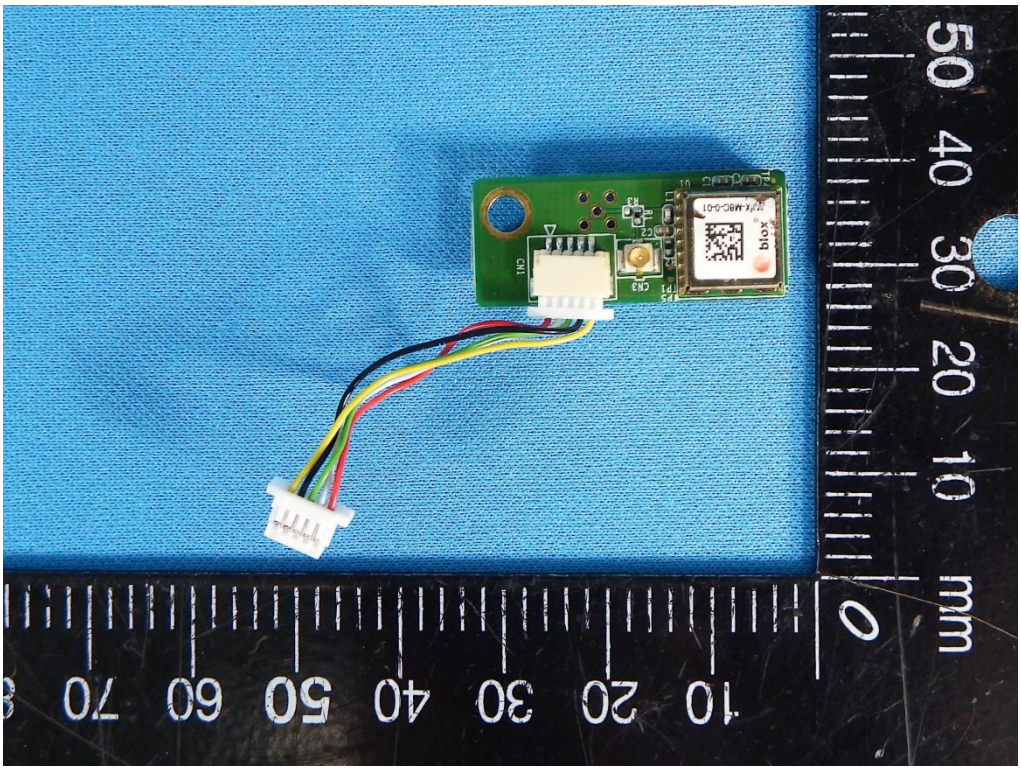

R471
R472
D35
AUD101

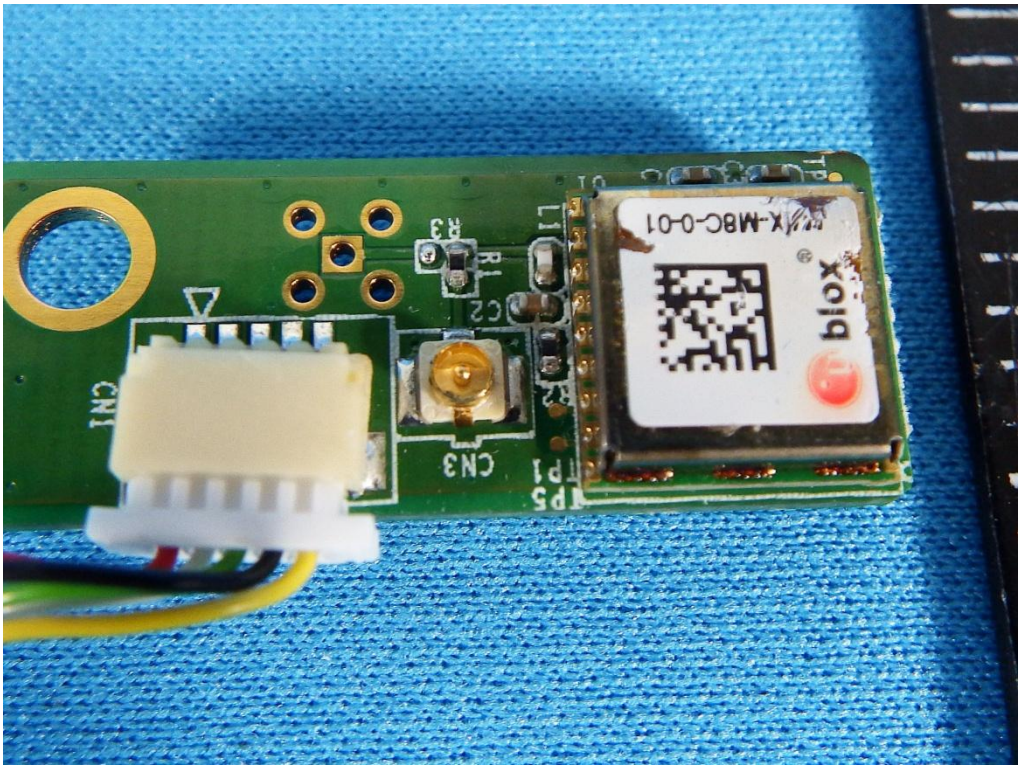

ATTEND
5472

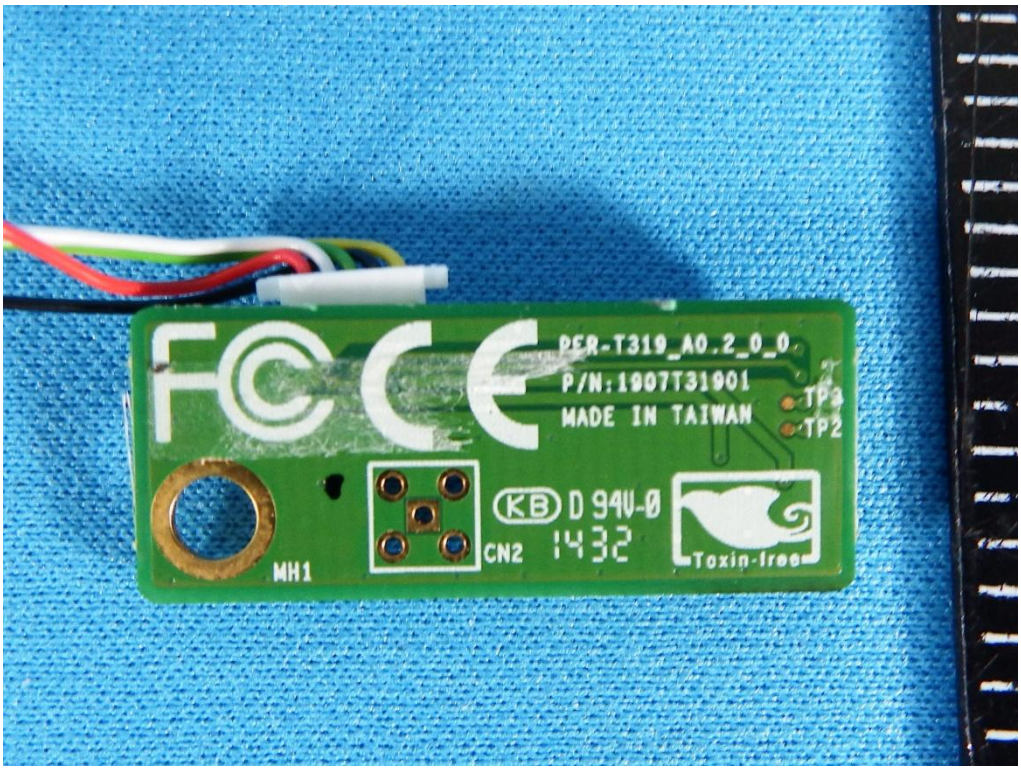

33MC4



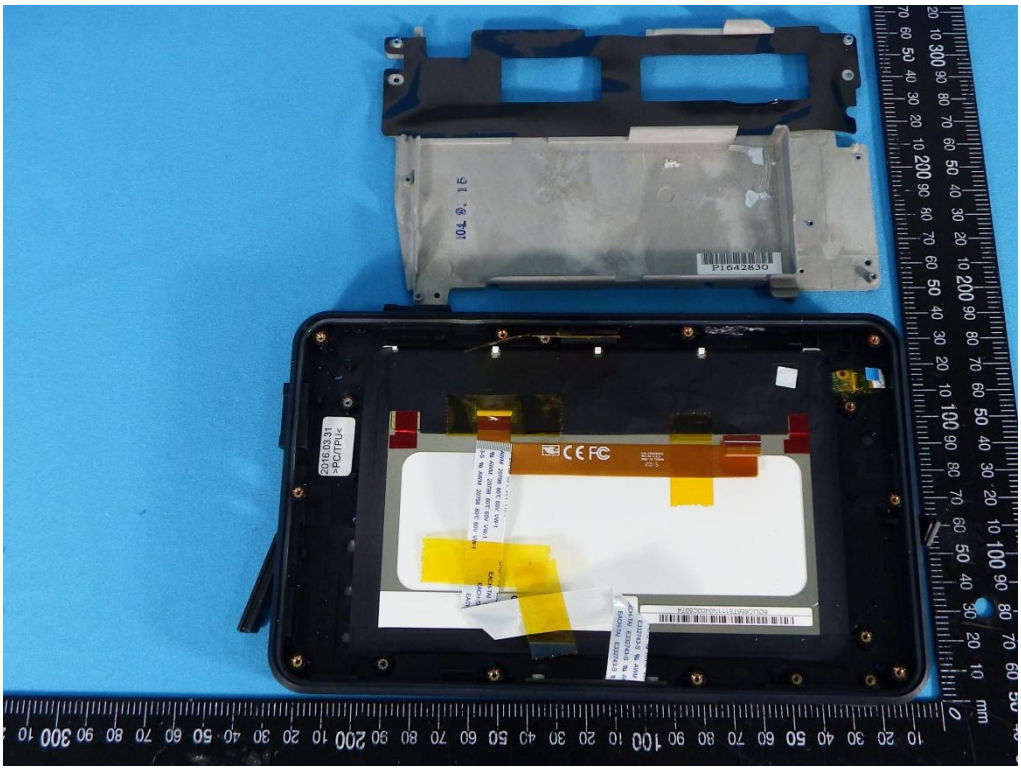



50 40 30 20 10 0 mm
10 20 30 40 50 60 70

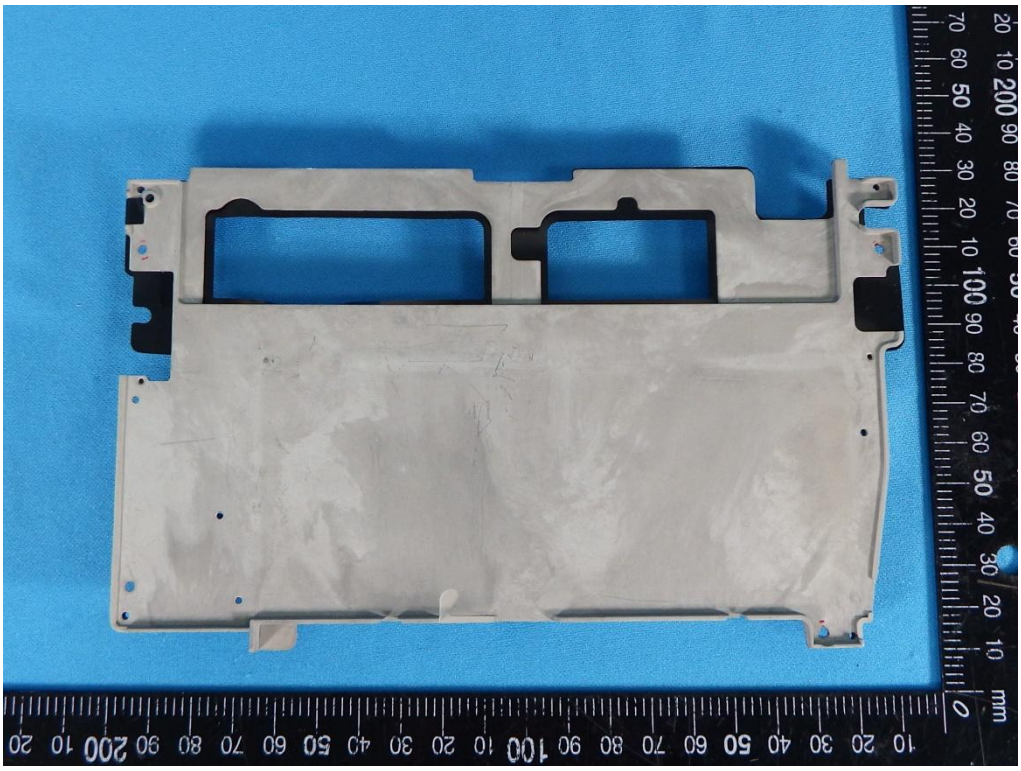

CN1
CN3
P1
P5
C2
R3
L1
blox

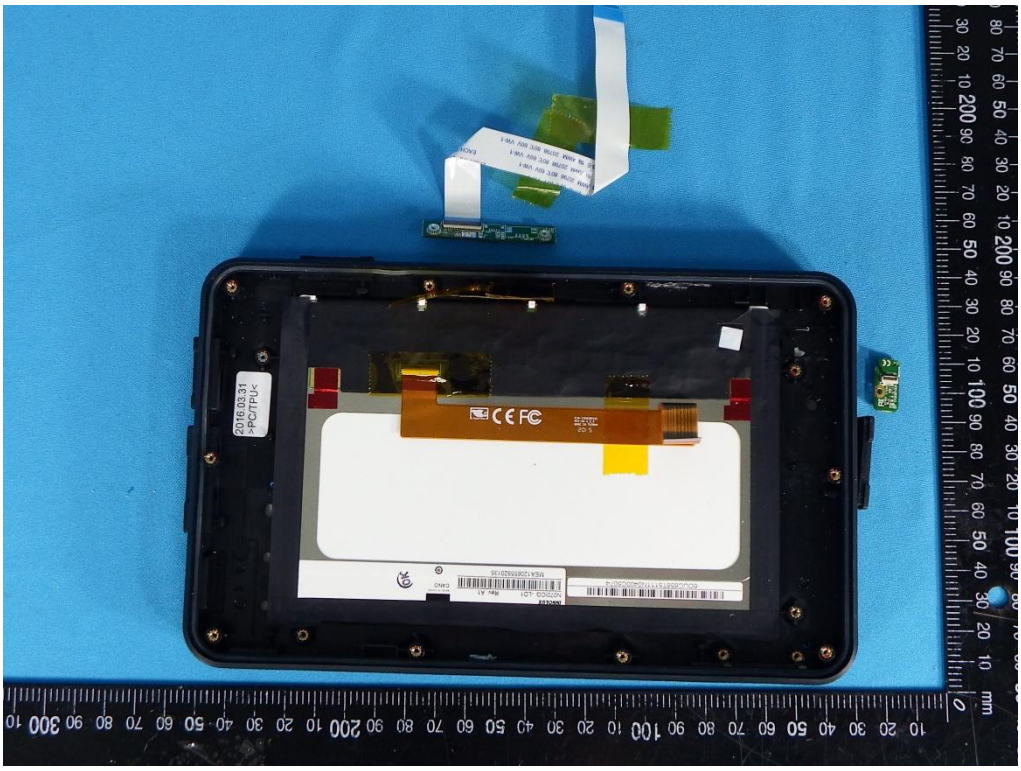

FCC
PER-T319_A0.2_0_0
P/N:1907T31901
MADE IN TAIWAN
TP3
TP2
MH1
CN2
KB
94V-0
1432
Toxin-free

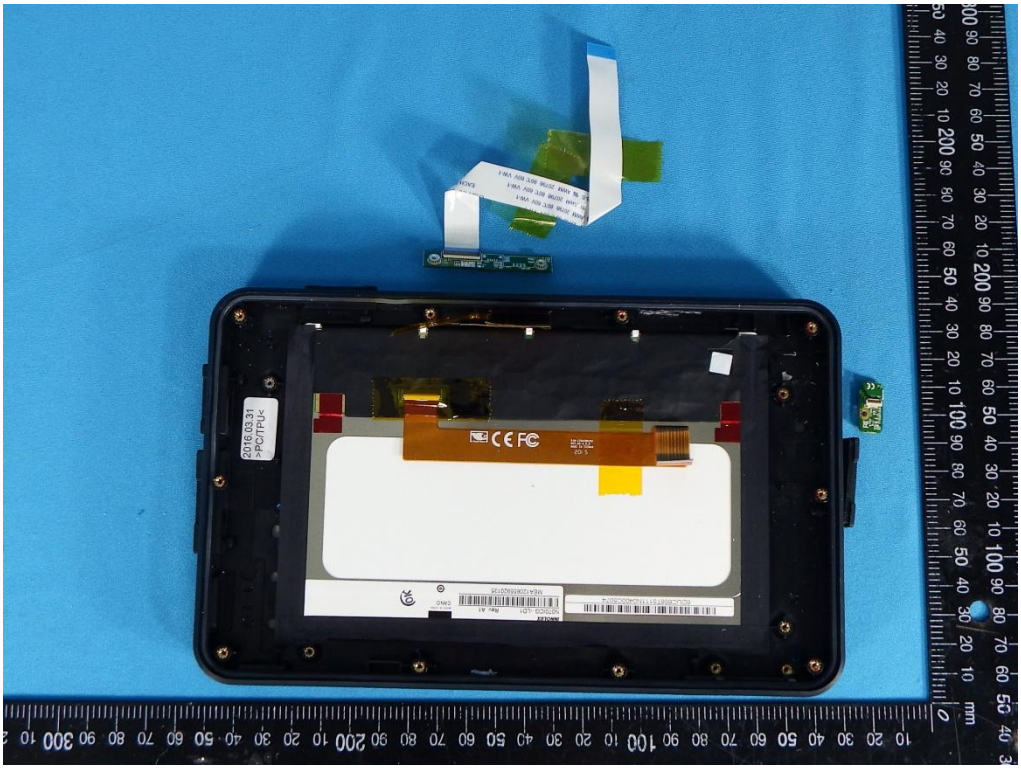

P1642830

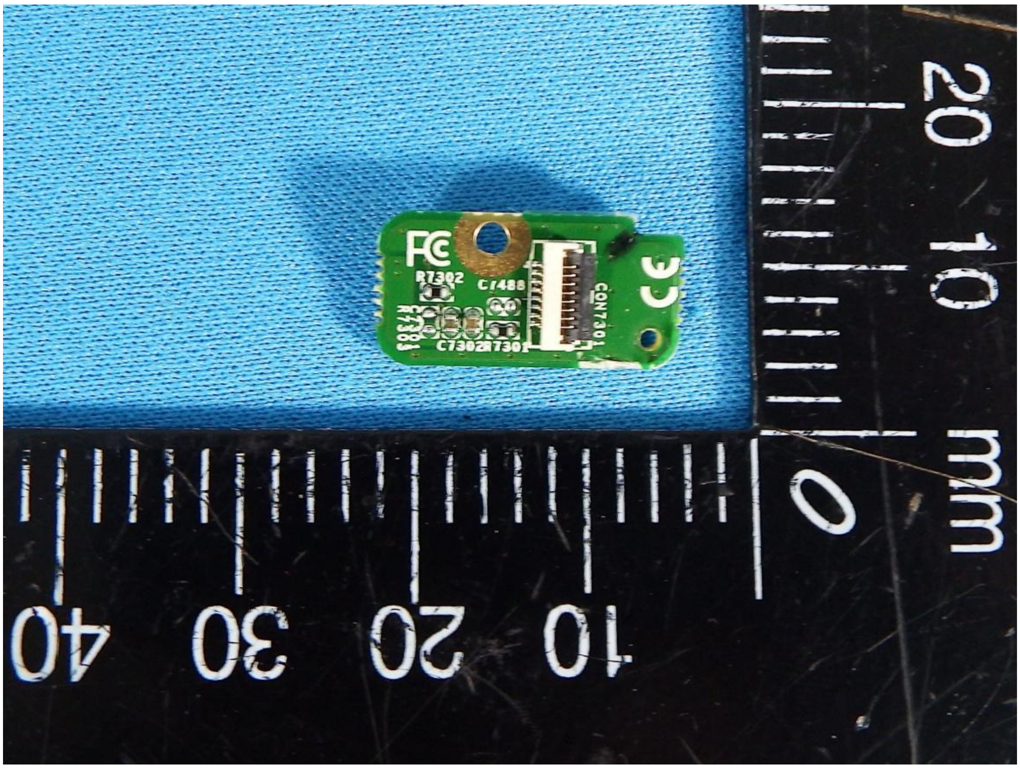

P1642830

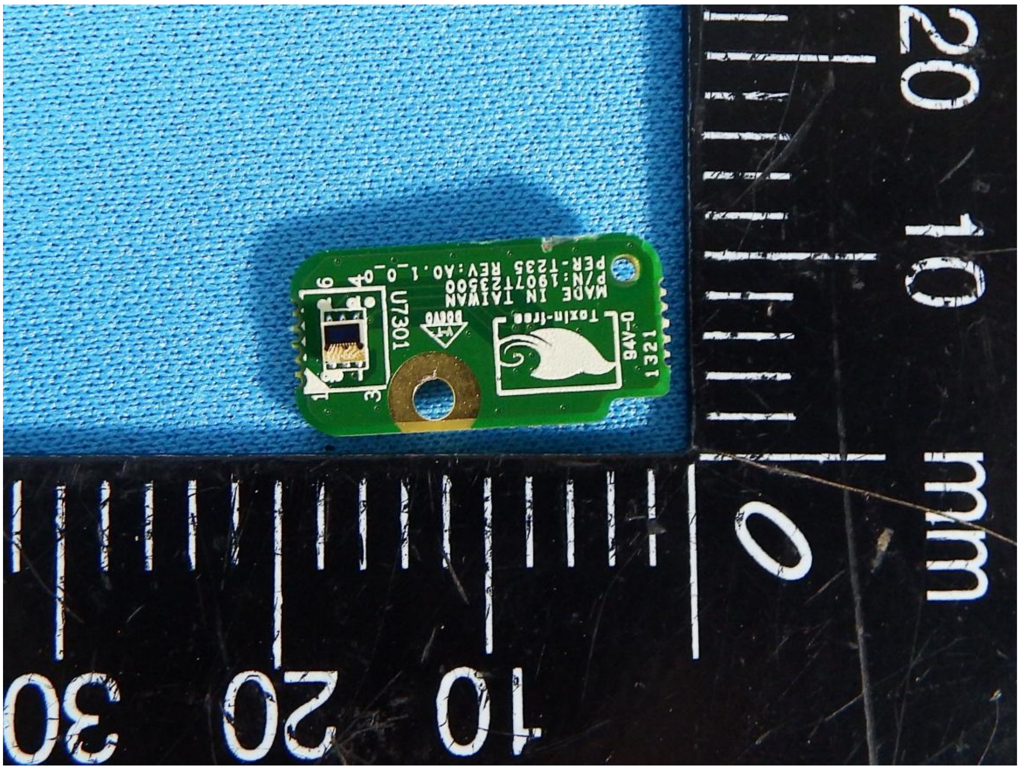

P1642830

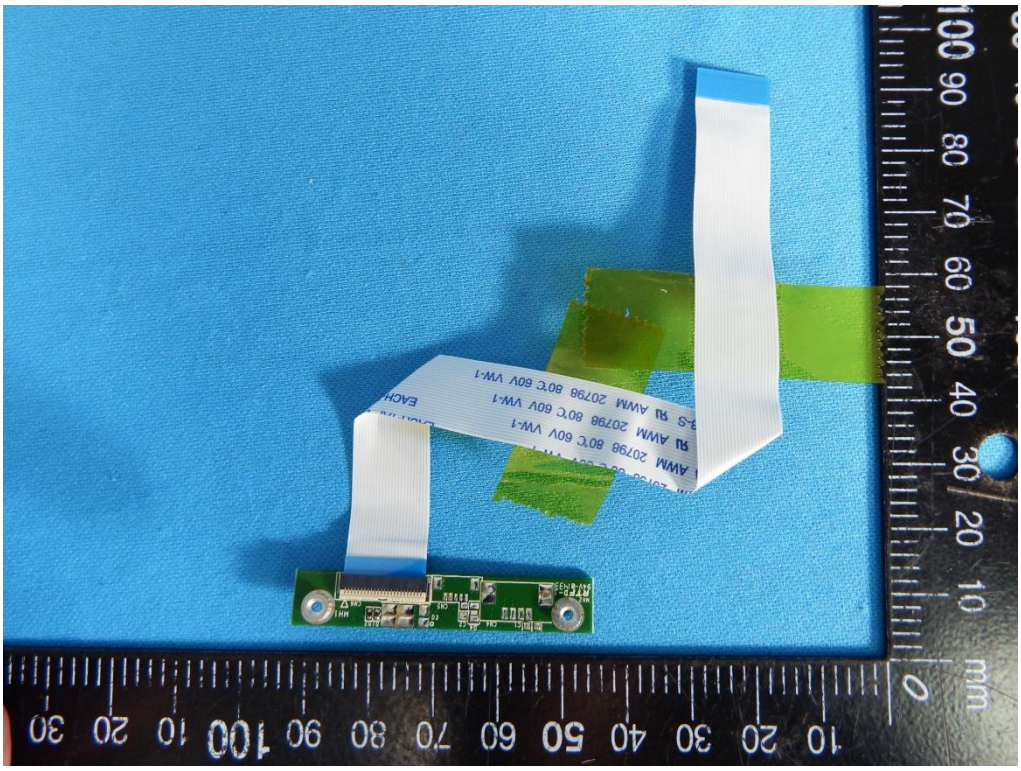


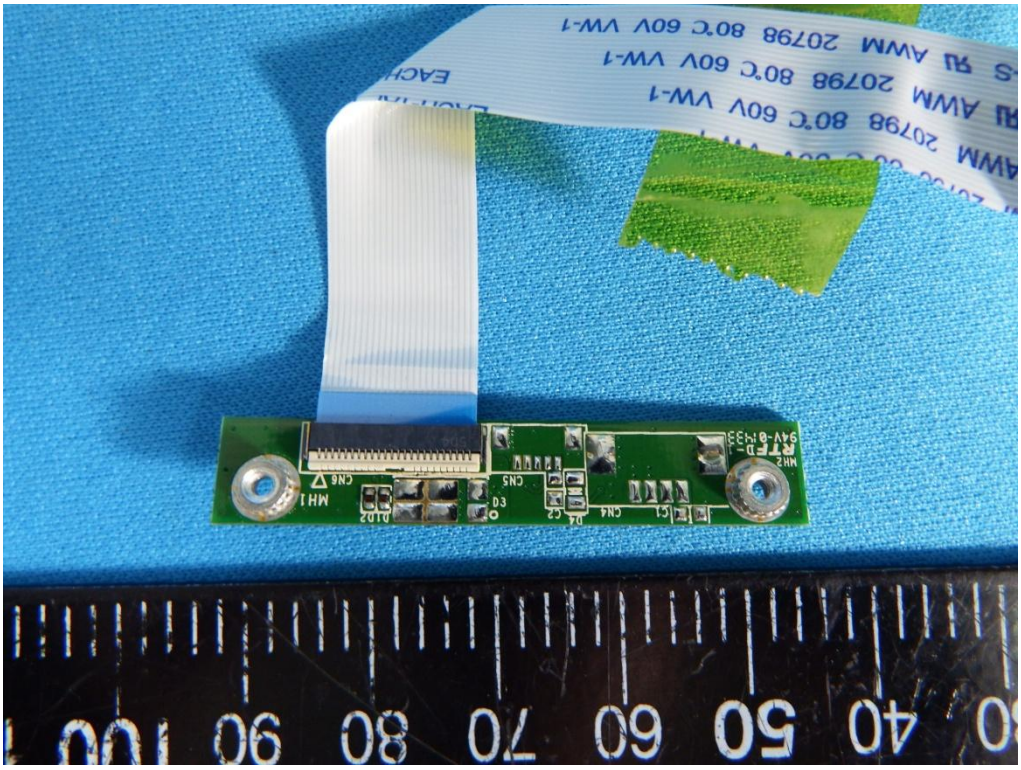


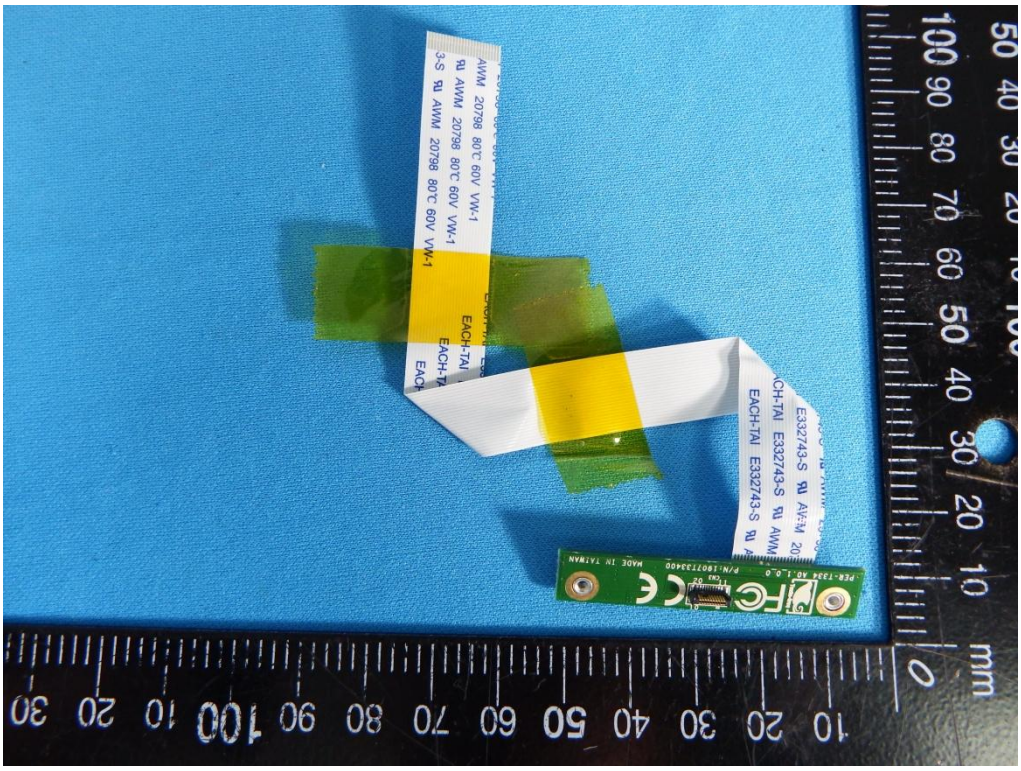


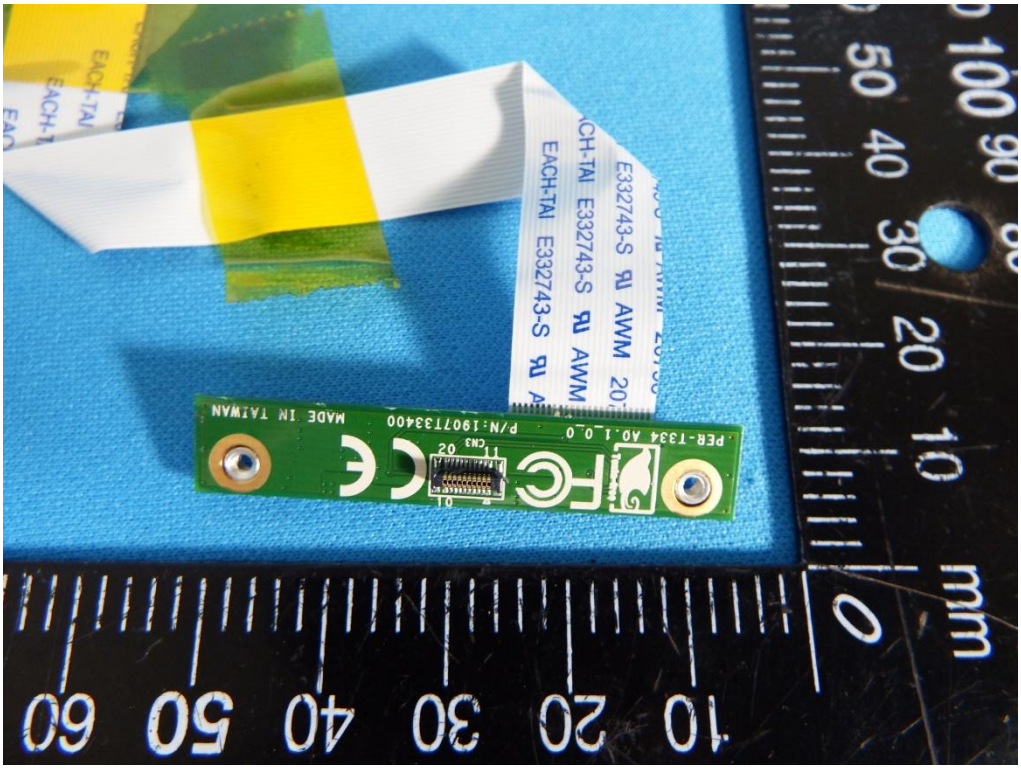


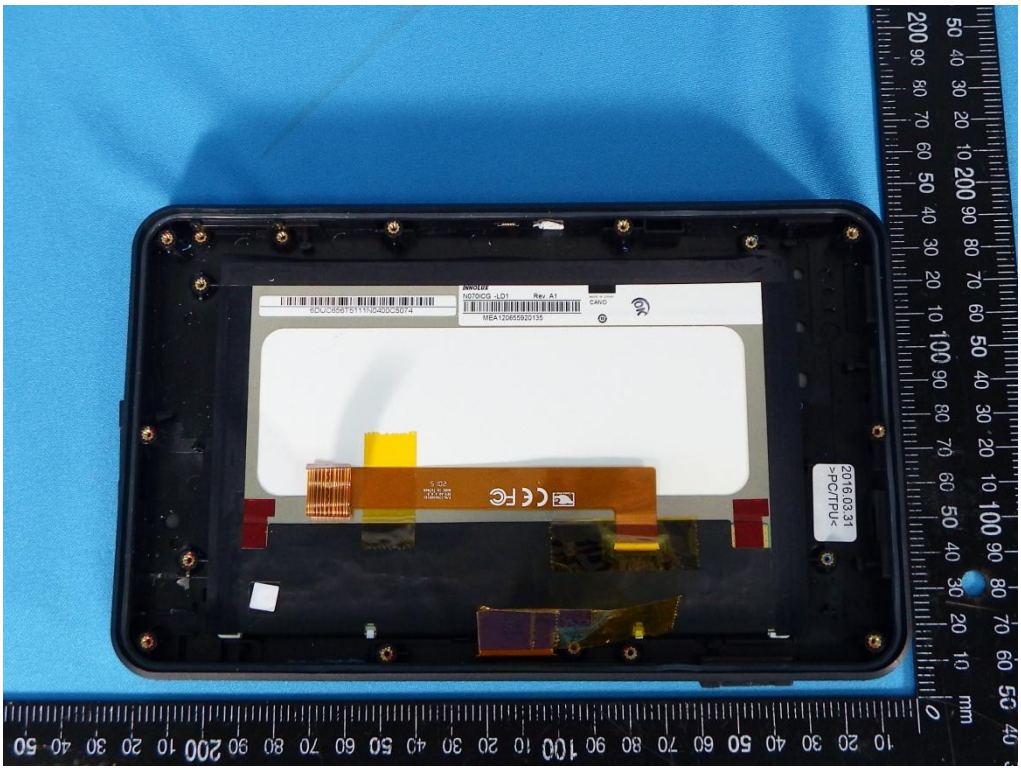






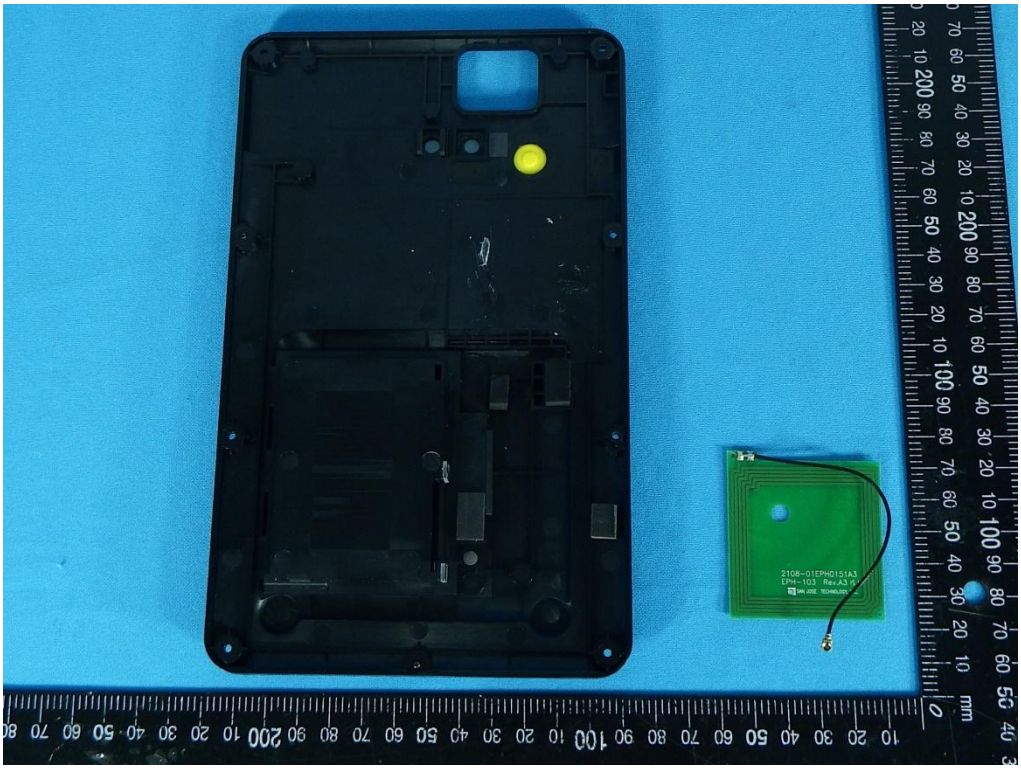

E332743-S AWM 20798 80℃ 60V VW-1
EACH-TAI E332743-S AWM 20798 80℃ 60V VW-1
MADE IN TAIWAN
P/N:1907133400
PER-T334 A0 1.0


E332743-S AWM 20798 80℃ 60V VW-1
EACH-TAI E332743-S AWM 20798 80℃ 60V VW-1
MADE IN TAIWAN
P/N:1907133400
PER-T334 A0 1.0

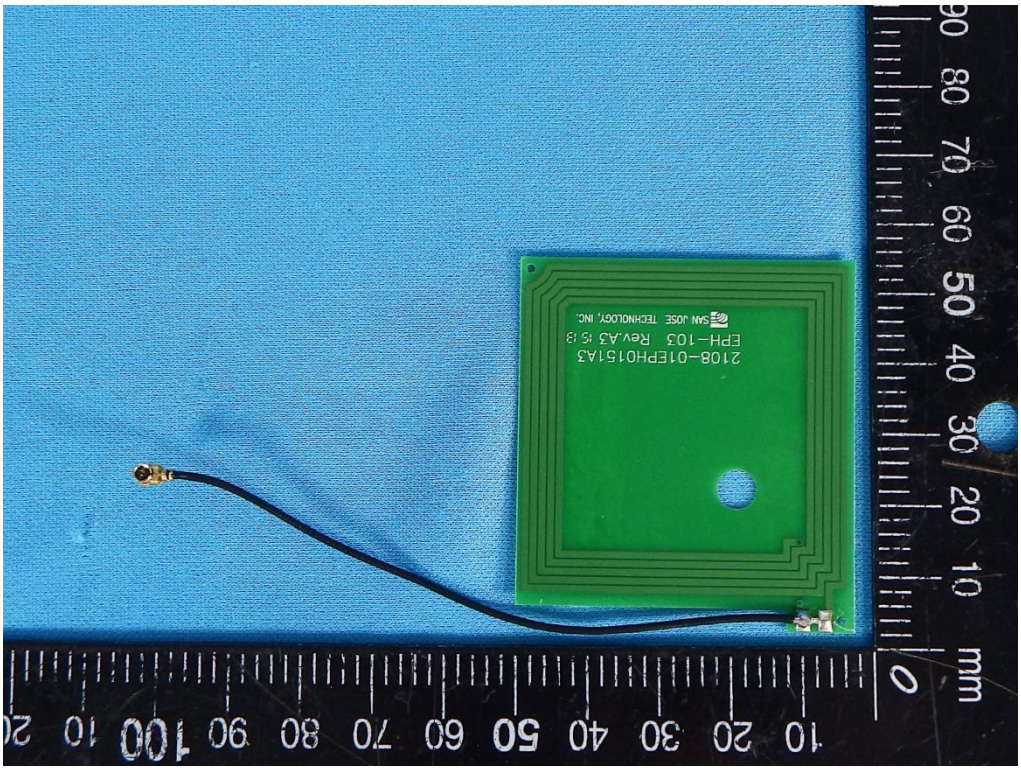


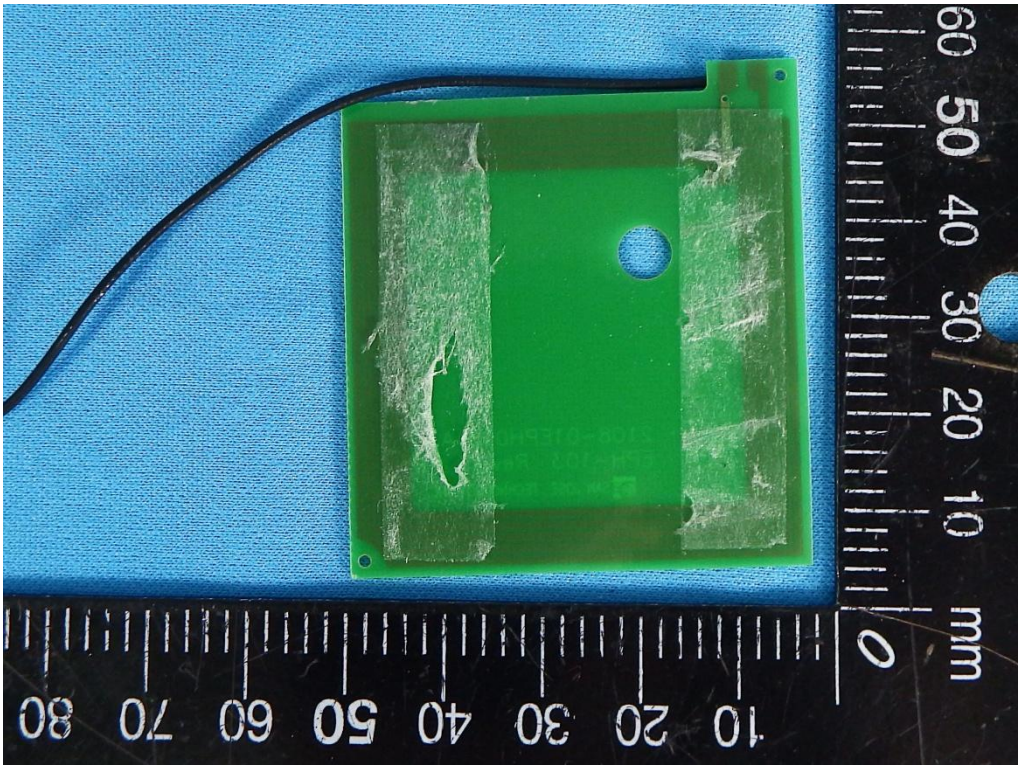

INNOLUX
N070ICG -LD1
Rev. A1
MEA120655920135
MADE IN CHINA
CANO

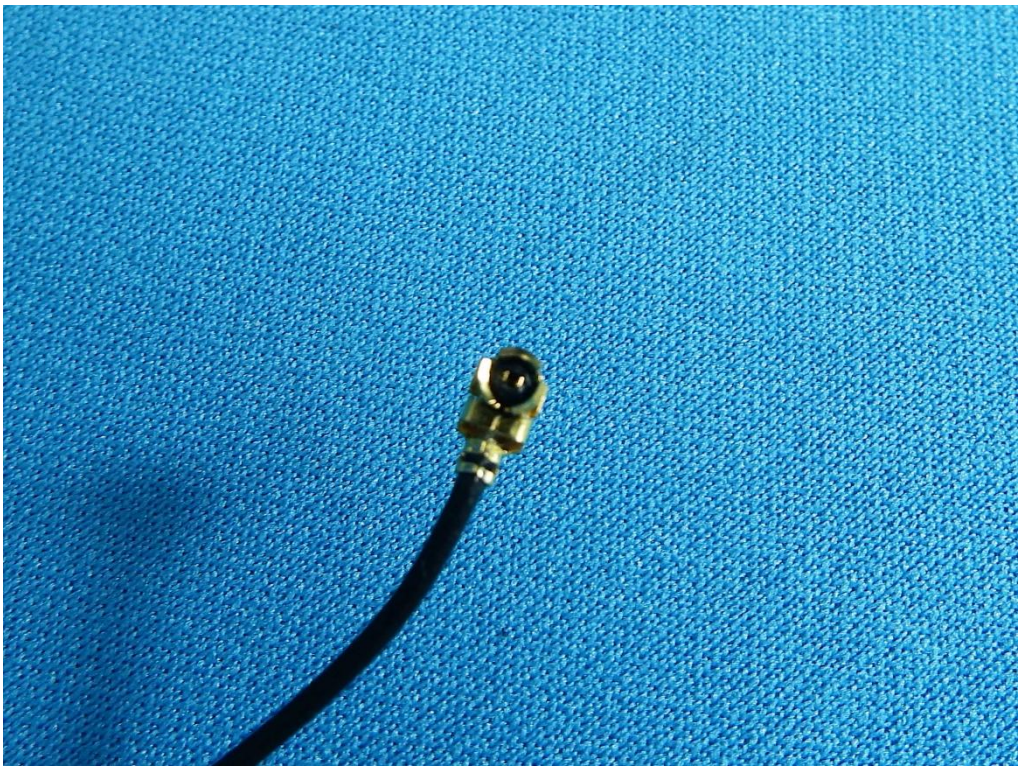

INNOLUX
N070ICG -LD1
6DUC656T5111N0400C5074
MEA1206559201

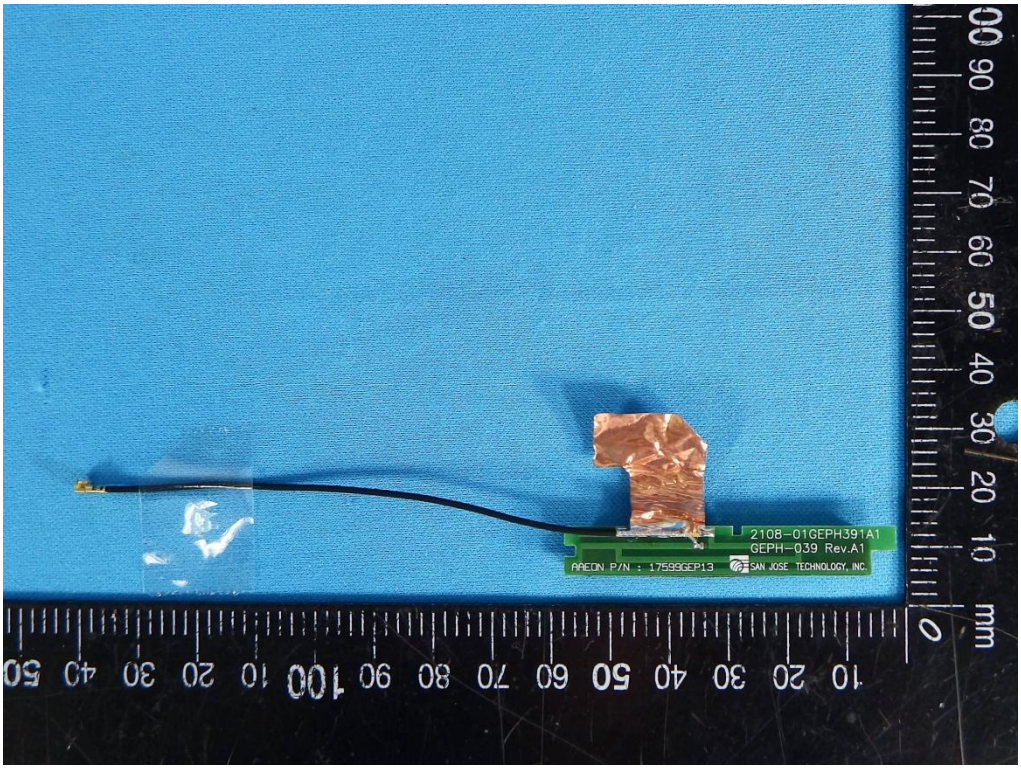


NFC Ant.

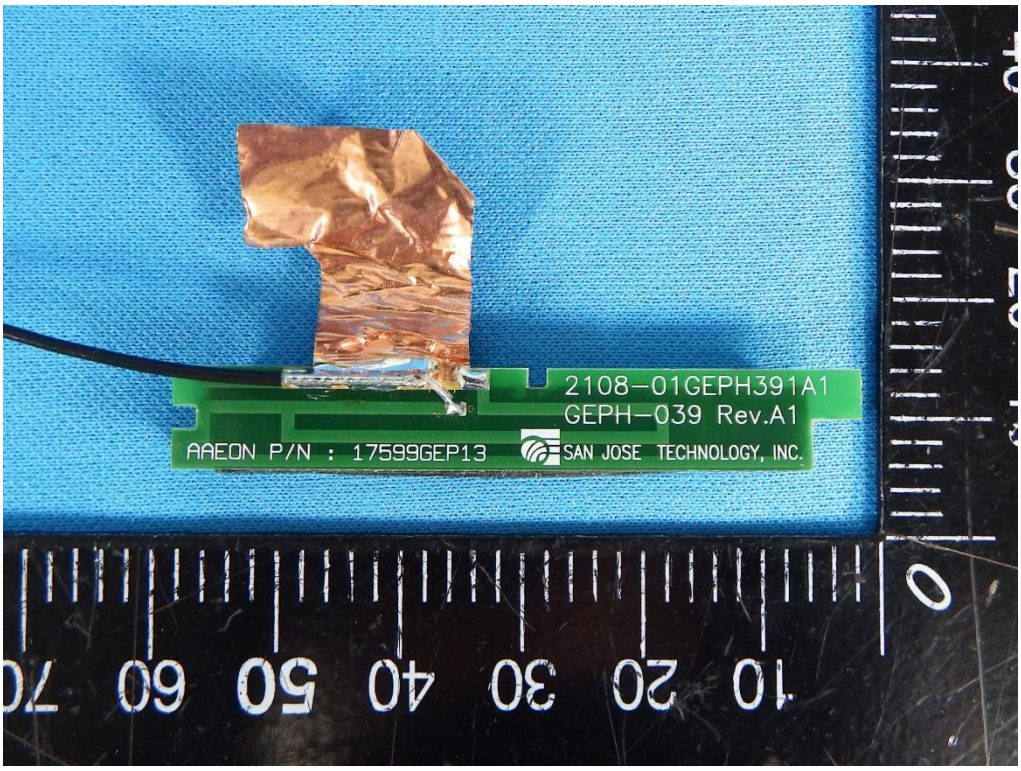

2108-01EPH0151A3
EPH-103 Rev.A3
SAN JOSE TECHNOLOGY, INC.
mm

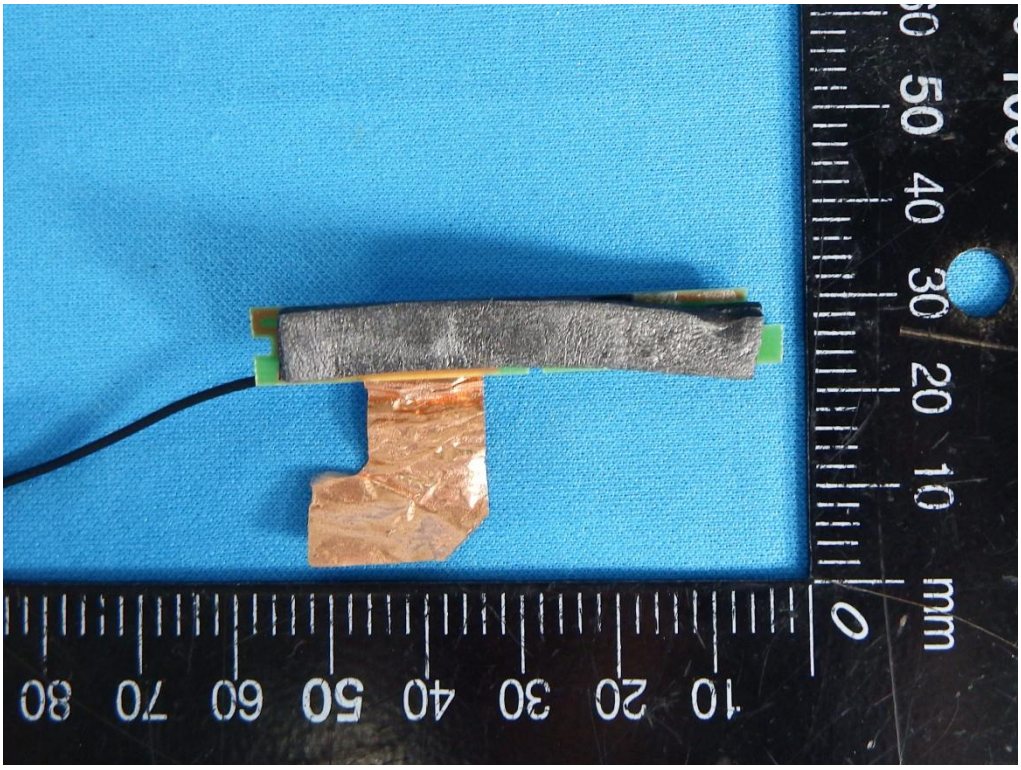

mm

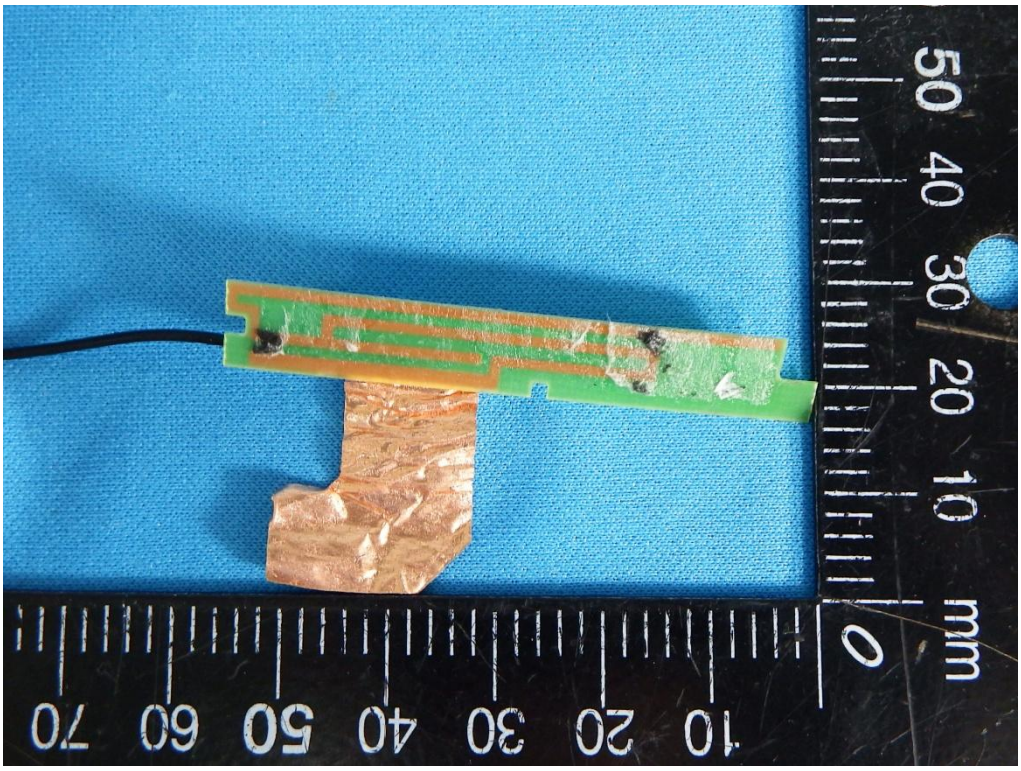


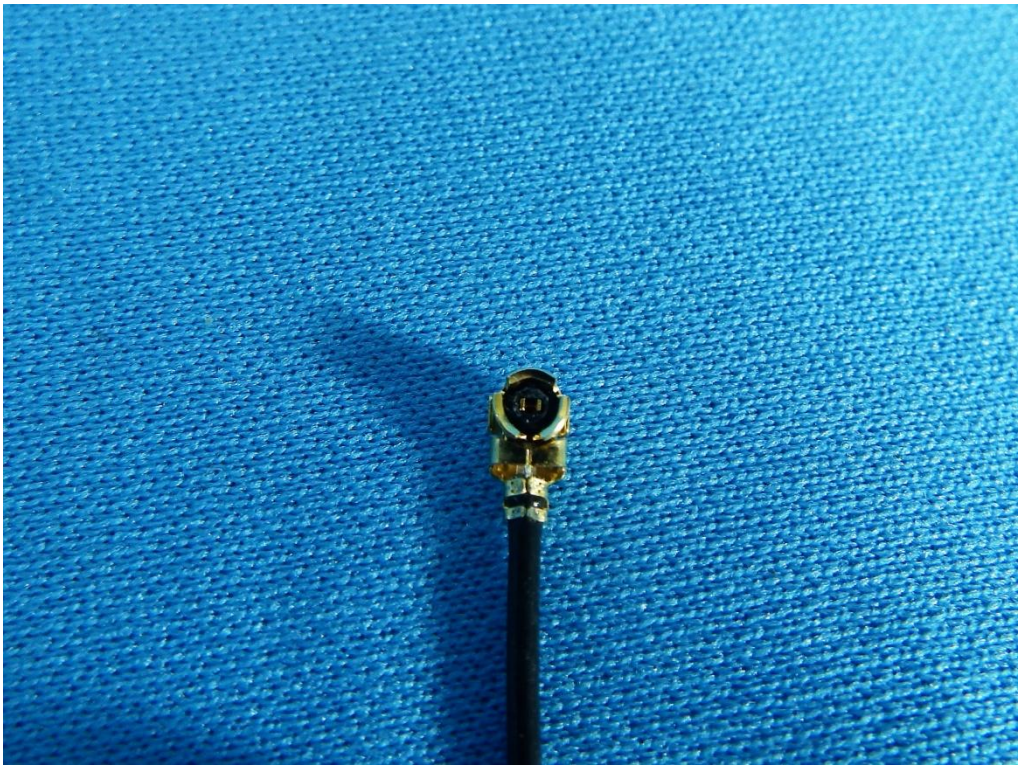

2108-01GEPH391A1
GEPH-039 Rev.A1
AAEON P/N : 17599GEP13
SAN JOSE TECHNOLOGY, INC.

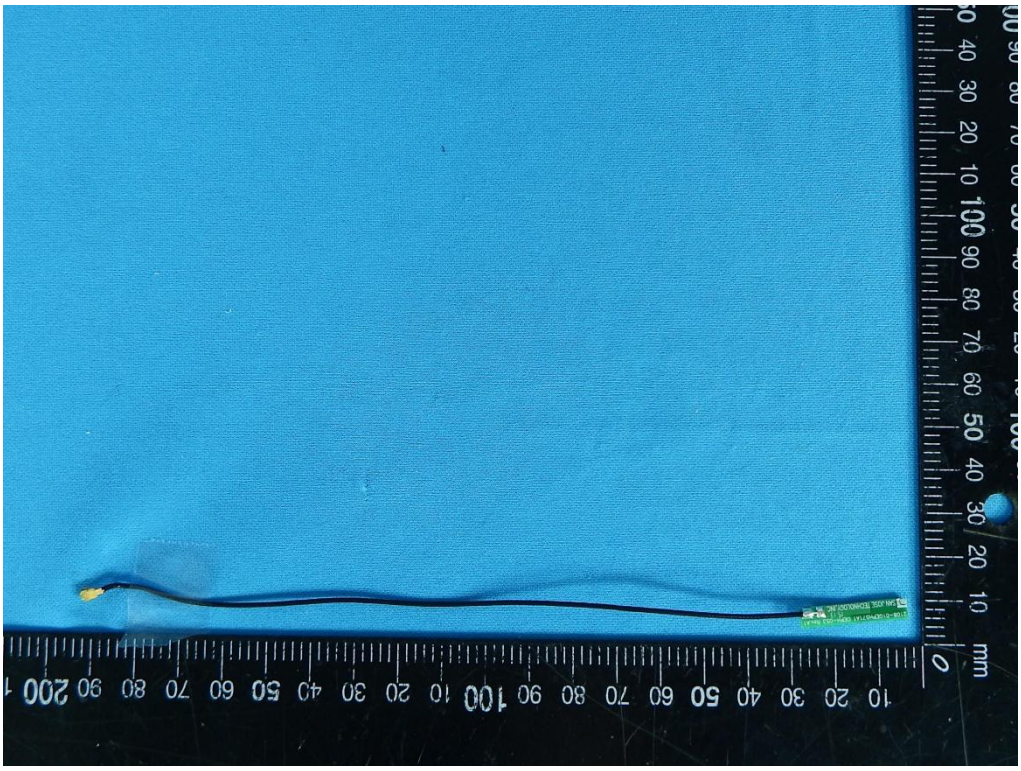
3G Ant.


2108-01GEPH391A1
GEPH-039 Rev.A1
AAEON P/N : 17599GEP13
SAN JOSE TECHNOLOGY, INC.

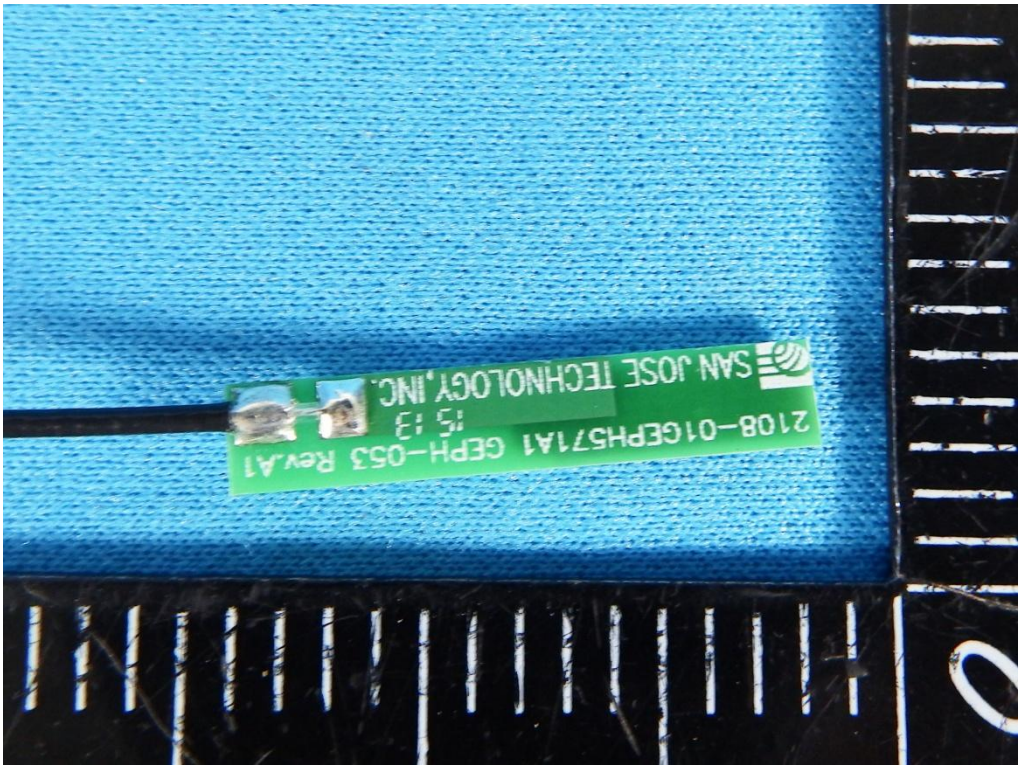


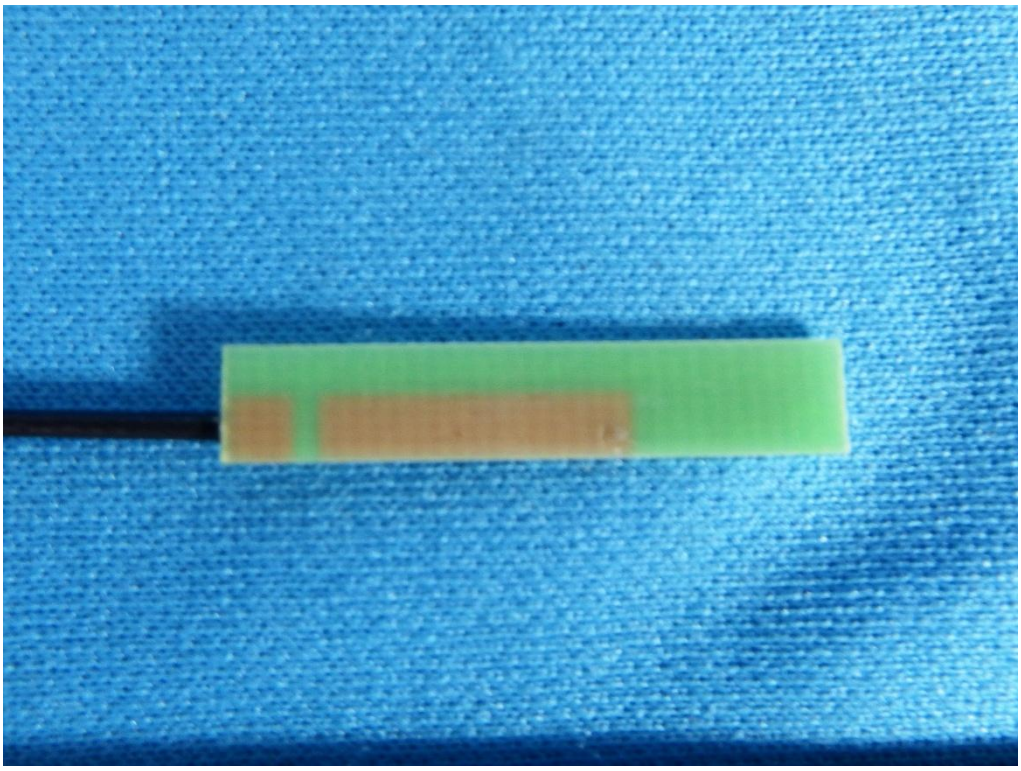

50
40
30
20
10
0
mm
10
20
30
40
50
60
70

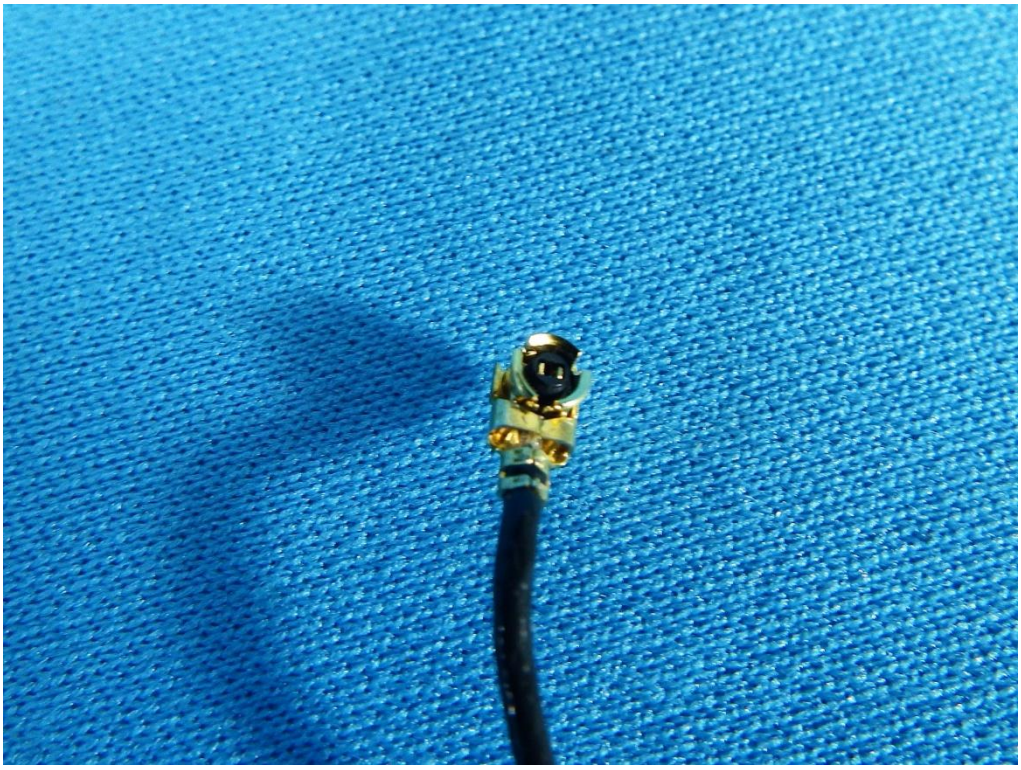




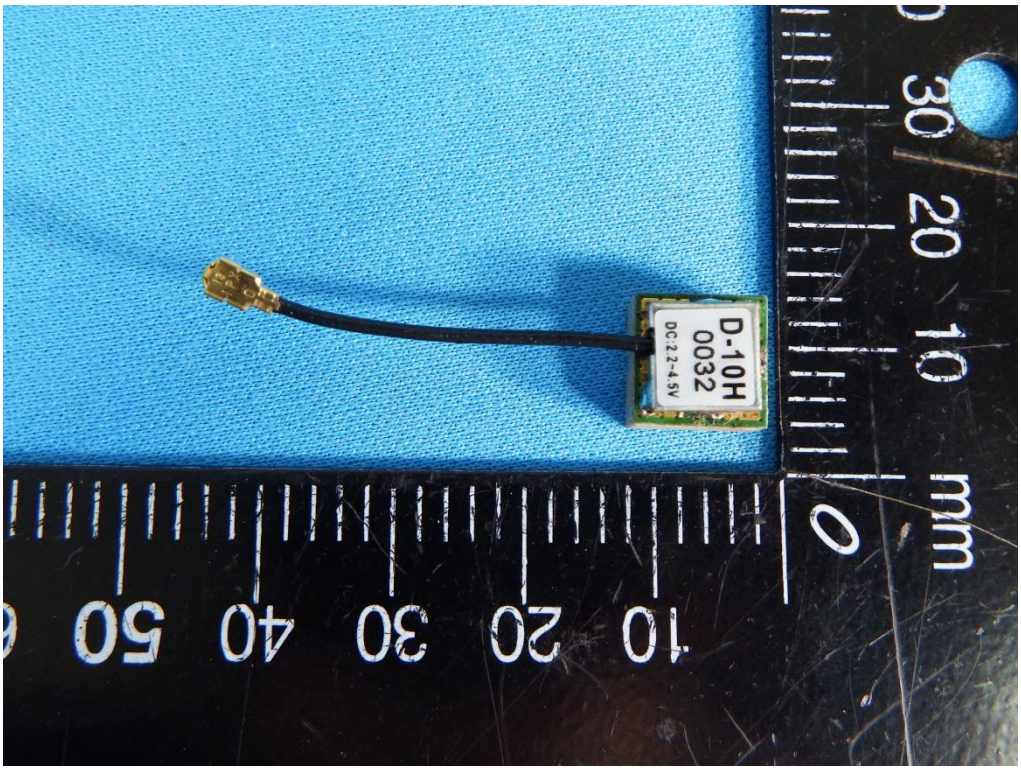
BT /WLAN Ant.

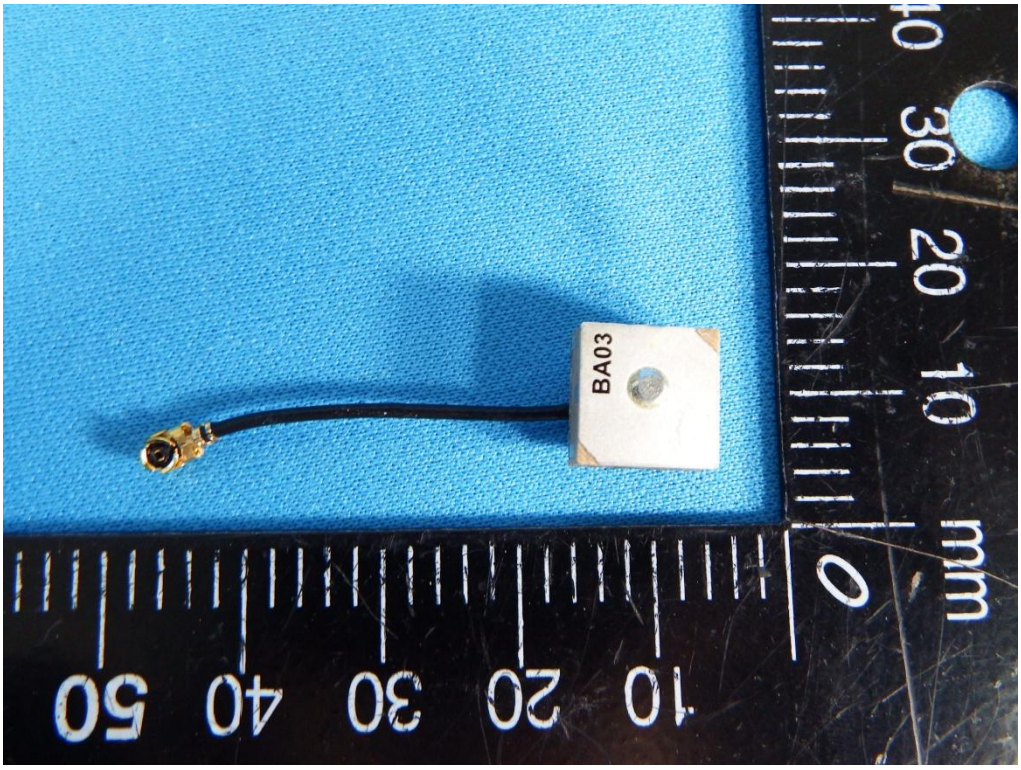


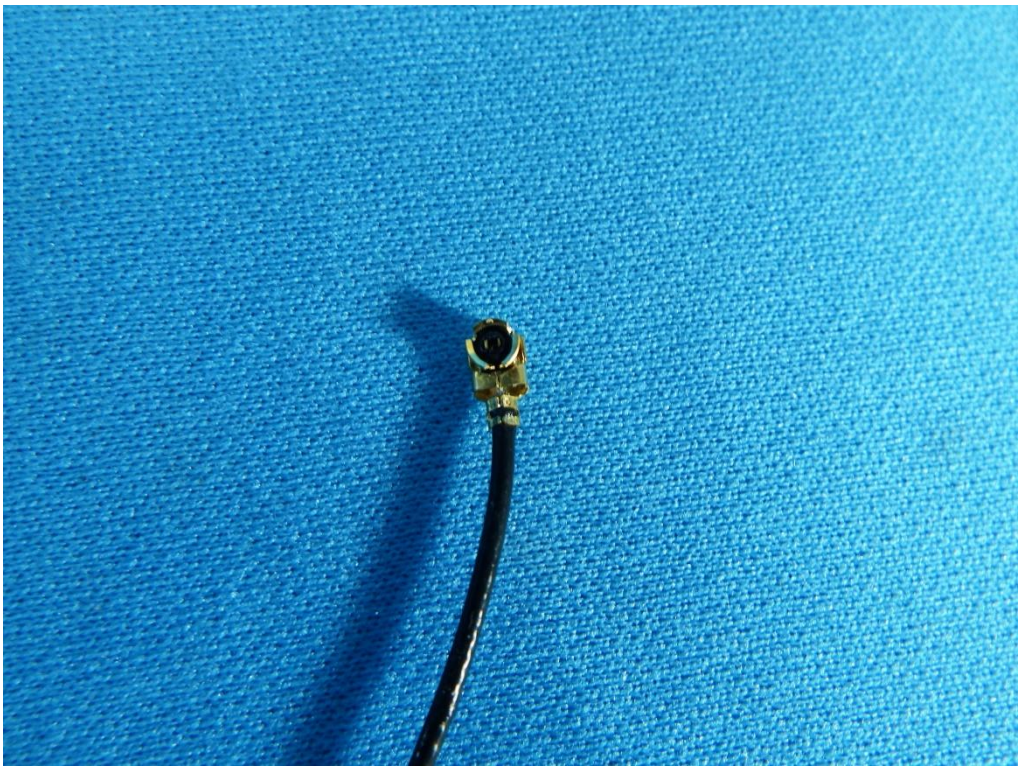


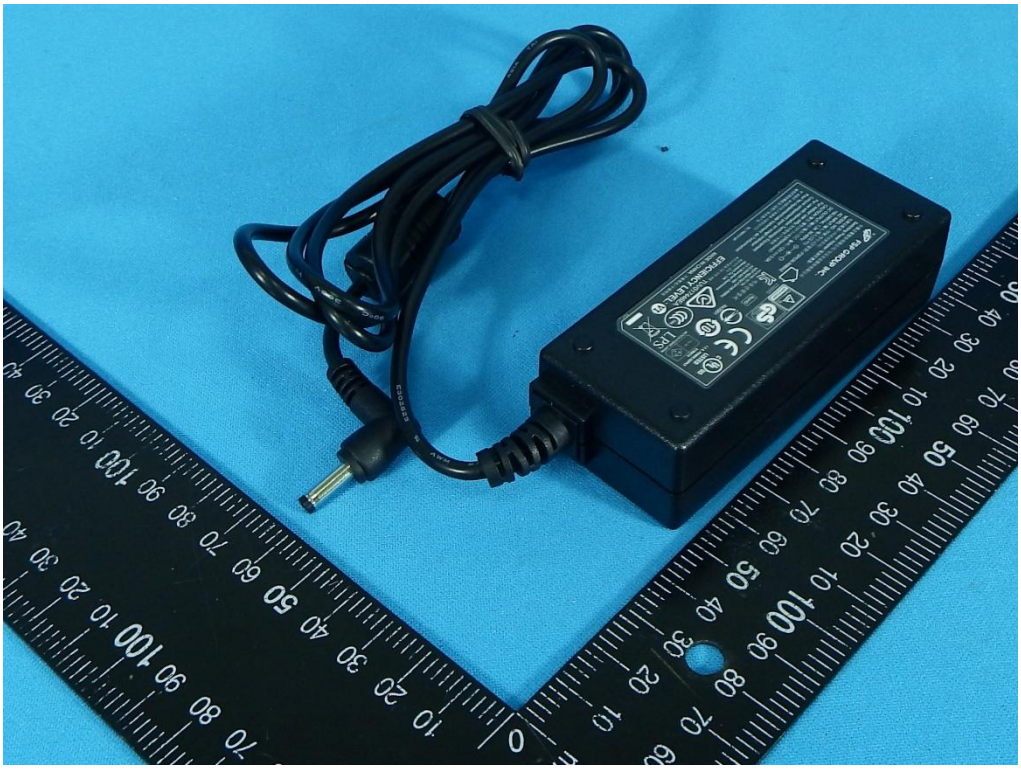


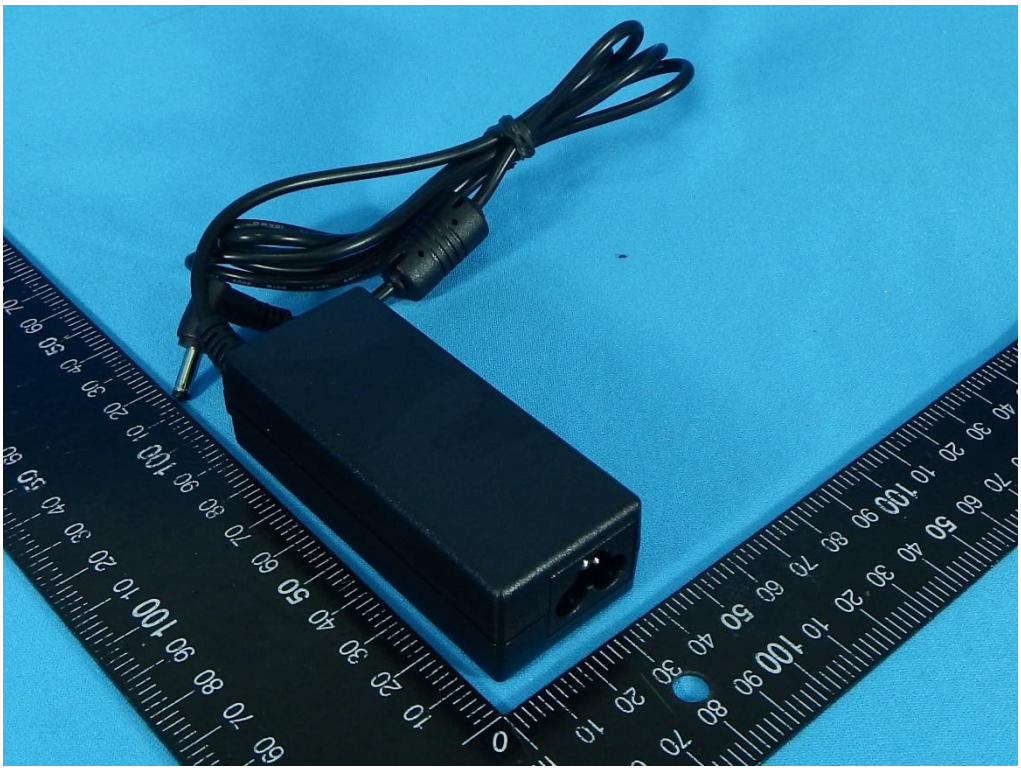
GPS Ant.

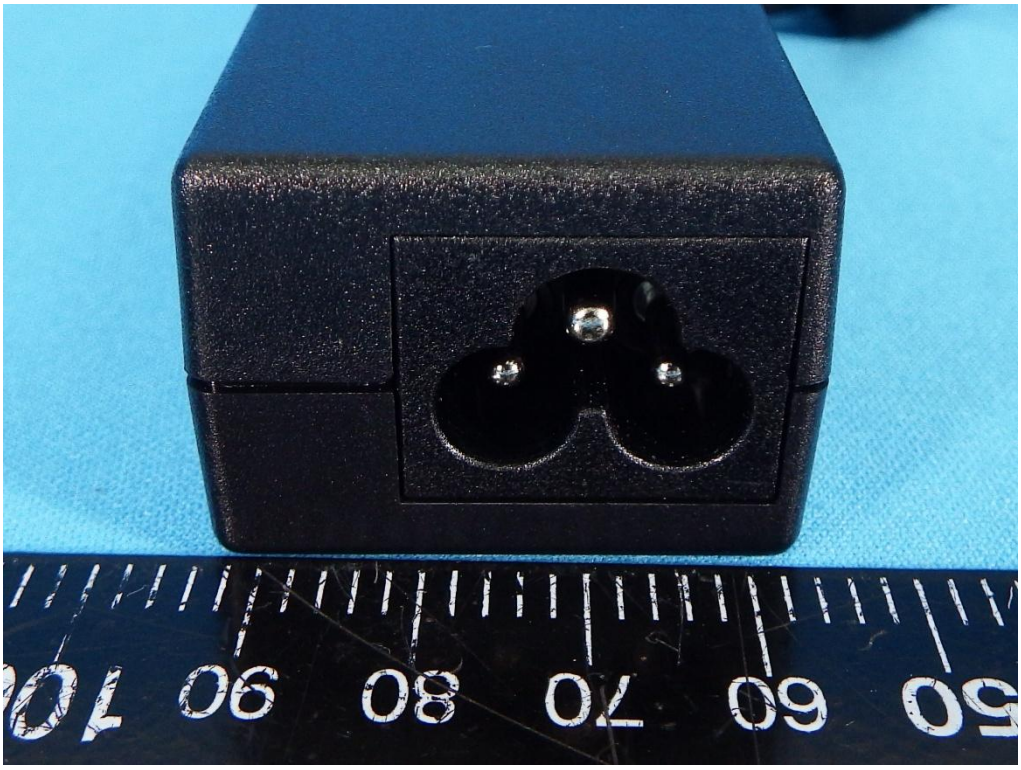




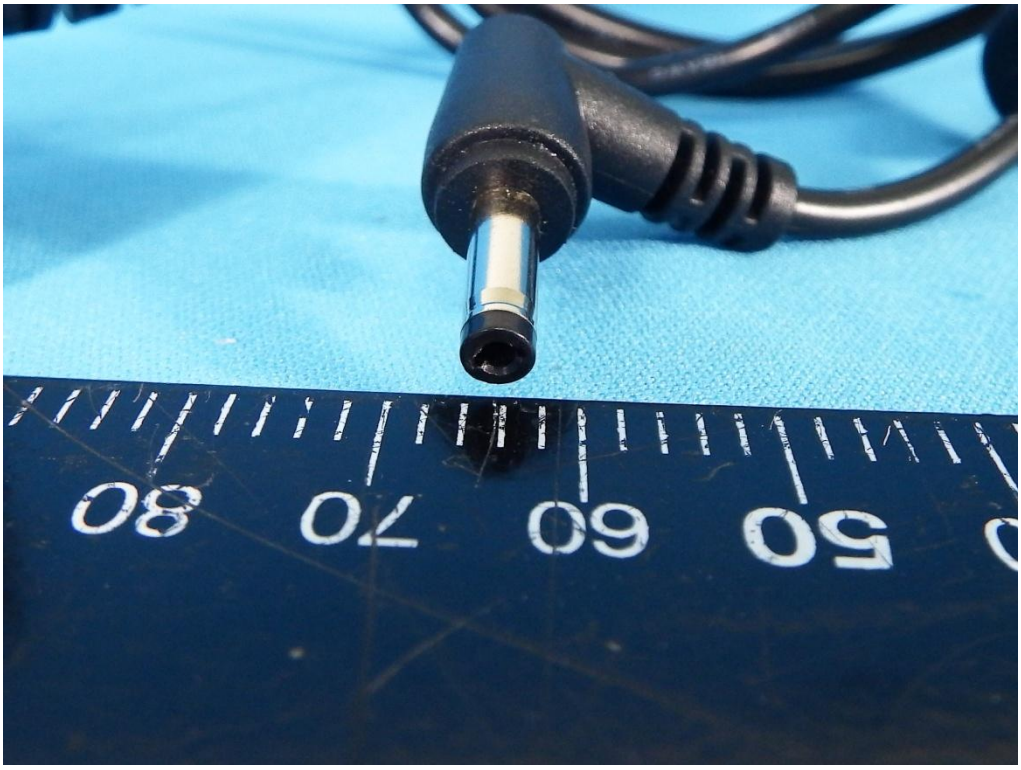


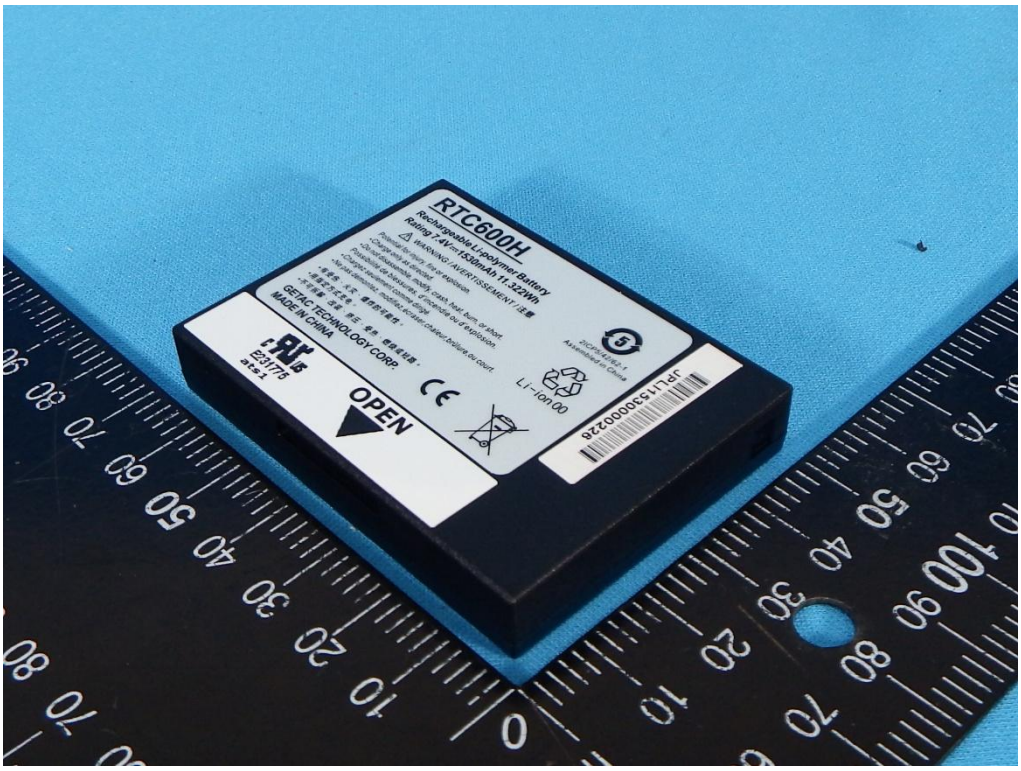


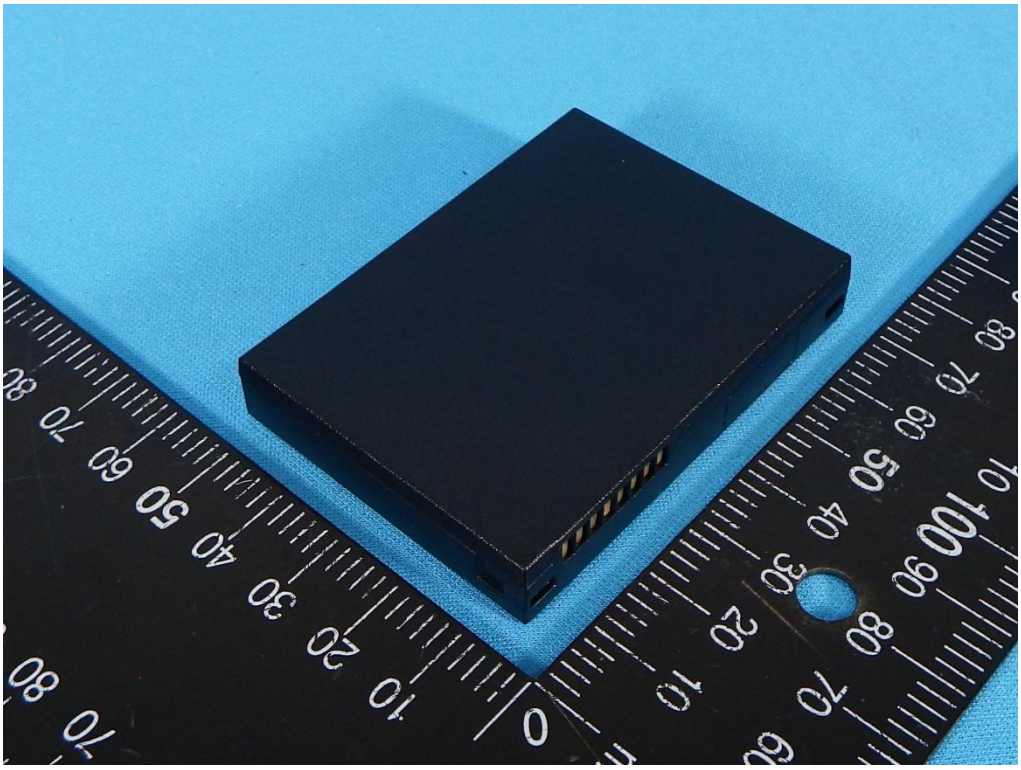





FSP GROUP INC.
全漢企業股份有限公司/全汉企业股份有限公司
Switching Power Adapter(電源供應器/
电源适配器)(직류전원장치)
MODEL NO.(型號/型号)(모델명):FSP036-RBBN2
AC INPUT(輸入/输入)(입력):
100-240Vac, 1.2A 50-60Hz
DC OUTPUT(輸出/输出)(DC 출력):12V ⎓ 3.0A
CAUTION(警告/警告)(주의사항)(Attentions):
For indoor use only.室內使用/户内使用
For use with information Technology Equipment.
Conçue uniquement pour un usage intérieur
Pour les équipementsde traitement de l'information
본 제품은 실내용이며,IT제품에 사용하십시오
適用於資訊類產品/适用于资讯类产品
6LL1569101GP
RoHS
직류전원장치
R43001
HU10142-15113A
MSIP-REM-FSZ-FSP036-RBBN2
A/S:0505-525-1488
제조사:Zhonghan Electronics
(Shenzhen) Co., Ltd.
제조국가 : 중국
TUV017446EA
EFFICIENCY LEVEL: VI
MADE IN CHINA 中國製造/中国制造
LISTED
I.T.E. POWER SUPPLY
E190414
(株)TECH-POWER JAPAN
LPS




RTC600H
Rechargeable Li-polymer Battery
GETAC TECHNOLOGY CORP.
MADE IN CHINA
OPEN



Battery 2


RTC600H
Rechargeable Li-polymer Battery
Rating 7.4V ⎓ 1530mAh 11.322Wh
WARNING / AVERTISSEMENT / 注意
Potential for injury, fire or explosion.
▪ Charge only as directed.
▪ Do not disassemble, modify, crash, heat, burn, or short.
Possibilité de blessures, d'incendie ou d'explosion.
▪ Chargez seulement comme dirigé.
▪ Ne pas démontez, modifiez,écraser,chaleur,brûlure,ou court.
▪ 有受伤、火灾、爆炸的可能性。
▪ 用指定方式充电。
▪ 不可拆解、改装、挤压、受热、燃烧或短路。
GETAC TECHNOLOGY CORP.
MADE IN CHINA
2ICP5/42/62-1
Assembled in China
Li-ion 00