SPORTON LAB.

Project No : FD552692

VERIFICATION OF COMPLIANCE

Equipment	:	**Rugged Tablet Computer**
Model No.	:	**xRTC-600Ax (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 C63.4-2009 and the energy emitted by this equipment was **Passed CISPR PUB. 22** and **FCC Part 15 Subpart B** in both radiated and conducted emissions **Class B** limits. The test was carried out on **Jun. 06, 2015** at **SPORTON INTERNATIONAL INC.** LAB.

Kero Kuo
Assistant 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

Equipment : Rugged Tablet Computer

Model No. : xRTC-600Ax (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.

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History of this test report

Report No.	Version	Description	Issued Date
FD552692	Rev. 02	Initial issue of report	Jun. 24, 2015

Verification No. : FD552692

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

Equipment : Rugged Tablet Computer

Model No. : xRTC-600Ax (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 - 2009** and the energy emitted by this equipment were **passed CISPR PUB. 22 and FCC Part 15 Subpart B** in both radiated and conducted emission **Class B** limits.
The product sample received on May 26, 2015 and completely tested on ***Jun. 06, 2015*** **at SPORTON International Inc.** LAB

Kero Kuo / Assistant 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-600Ax (x - Where x may be any combination of alphanumeric characters or "-"or blank.)
Power Supply Type	:	Switching
AC Power Type	:	Non-shielded, 1.8 m, 3 pin
DC Power Cable	:	Non-shielded, 1.8 m

The maximum operating frequency : 2.4GHz

1.4 Feature of Equipment under Test

Accessories				
AC Adapter	Brand Name	L.T.E.	Model Name	LTE24E-S2-2
	Power Rating	I/P: 100-240V⎓1A ; O/P: 12V⎓2A		
Battery 1	Brand Name	Getac	Model Name	RTC600S
	Power Rating	7.4 Vdc, 1530 mAh	Type	Li-ion, 2S1P
Battery 2	Brand Name	Getac	Model Name	RTC600H
	Power Rating	7.4 Vdc, 1530 mAh	Type	Li-ion, 2S1P
LCD Panel	Brand Name	TIANMA	Model Name	TM057JDHP04-00

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 C63.4-2009 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. R/W, H pattern, play mp3, Headset, WiFi (2.4G) + BT, USB link PC, Adapter, FDD band 1 Link Mode 2. Play Video (mp4), Headset, WiFi (2.4G) + BT, Adapter, FDD band 2 Idle Mode 3. Play Photo + mp3, speaker, WiFi (2.4G) + RFID + BT, Adapter, FDD band 5 Link Mode 4. CCD, Headset, WiFi (2.4G) + BT, Adapter, FDD band 8 Link Mode 5. GPS, Headset, WiFi (2.4G) + BT, Adapter, Horizontal, FDD band 1 Link Mode 6. Scan, Headset, WiFi (2.4G) + BT, Adapter, FDD band 1 Link For operating mode 1 is the worst case and it was record in this test report.
Radiated Emissions	Mode 1. R/W, H pattern, play mp3, Headset, WiFi (2.4G) + BT, USB link PC, Adapter, FDD band 1 Link Mode 2. Play Video (mp4), Headset, WiFi (2.4G) + BT, Adapter, FDD band 2 Idle Mode 3. Play Photo + mp3, speaker, WiFi (2.4G) + RFID + BT, Adapter, FDD band 5 Link Mode 4. CCD, Headset, WiFi (2.4G) + BT, Adapter, FDD band 8 Link Mode 5. GPS, Headset, WiFi (2.4G) + BT, Adapter, Horizontal, FDD band 1 Link Mode 6. Scan, Headset, WiFi (2.4G) + BT, Adapter, FDD band 1 Link **< below 1GHz and above 1GHz >** For operating mode 1 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

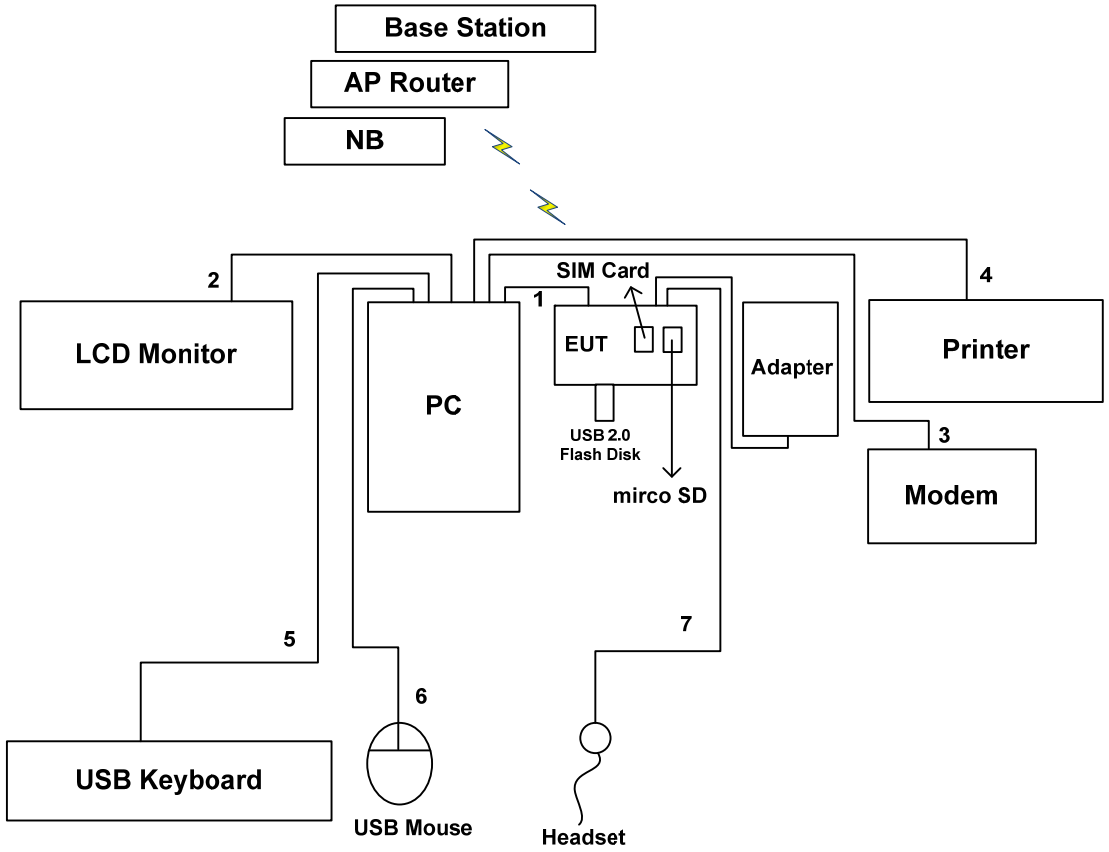
< For Conducted Emission and Radiated Emission Below 1GHz >

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	PC	Lenovo	C61	DoC	micro USB Cable, D-Shielded, 1.0m
2	LCD MONITOR”19”	DELL	E198WFPF	DoC	D-SUB Cable, D-Shielded, 1.8m
3	Modem	ACEEX	DM1414	IFAXDM1414	RS-232 Cable, D-Shielded, 1.15m
4	Printer (DJ400)	HP	C2642A	B94C2642X	LPT Cable, D-Shielded, 1.2m
5	Keyboard	Lenovo	KU-0225	DoC	USB Cable, AL-F-Shielded, 1.8m
6	MOUSE	Lenovo	M-U0025-O	DoC	USB Cable, AL-F-Shielded, 1.8m
7	Headset	i-Acon	HOH-323-BK	---	Audio Cable, Non-Shielded, 2.0m
8	microSD	SanDisk	4GB	---	---
9	USB 2.0 Flash Disk	TRANSCEND	JetFlash V85	DoC	---
10	SIM CARD	Anritsu	---	---	---
For Remote					
-	NB	DELL	E5520	DoC	---
-	AP ROUTER	D-LINK	DIR-600B5	KA2DIR600B5	---
-	Base Station	Anritsu	MT8820C	---	---

< For Radiated Emission Above 1GHz >

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	PC	PC	DCTA	DoC	micro USB Cable, D-Shielded, 0.5m
2	LCD MONITO	DELL	2408WFPb	DoC	D-SUB Cable, D-Shielded, 1.8m
3	Modem	ACEEX	DM1414	IFAXDM1414	RS-232 Cable, D-Shielded, 1.15m
4	Printer (DJ400)	HP	C2642A	B94C2642X	LPT Cable, D-Shielded, 1.2m
5	Keyboard	DELL	SK-8175	DoC	USB Cable, AL-F-Shielded, 1.8m
6	MOUSE	DELL	MOC5UO	DoC	USB Cable, AL-F-Shielded, 1.8m
7	Headset	KINYO	EM-15	---	Audio Cable, Non-Shielded, 2.0m
8	microSD	SanDisk	4GB	---	---
9	USB 3.0 Flash Disk	PQI	U821V	DoC	---
10	SIM CARD	Anritsu	N/A	---	---
For Remote					
-	NoteBook	DELL	E5520	DoC	---
-	AP ROUTER	D-LINK	DIR-600B5	KA2DIR600B5	---
-	Base Station	Anritsu	MT8820C	---	---

2.3 Connection Diagram of Test System for Radiation Emission



The support unit 8, support unit 9 and support unit 10 are insert into EUT.

1. Micro USB Cable was connected from EUT to the support unit 1.
2. D-SUB Cable was connected from support unit 1 to the support unit 2.
3. RS-232 Cable was connected from support unit 1 to the support unit 3.
4. LPT Cable was connected from support unit 1 to the support unit 4.
5. USB Cable was connected from support unit 1 to the support unit 5.
6. USB Cable was connected from support unit 1 to the support unit 6.
7. Audio Cable was connected from EUT to the support unit 7.

3. Test Software

<For Conducted Emission and Radiated Emission Below 1GHz >

An executive program, "EMIprogram.exe" under Win 7 (PC) and Android 4.2.2 (EUT), which generates a complete line of continuously repeating "H" pattern was used as the test software.

An executive program was executed as follows:

a. Turn on the power of all equipment.

b. The PC reads the test program " EMIprogram.exe " from the hard disk drive and runs it.

c. The PC sends "H" messages to the LCD monitor, and the LCD monitor displays "H" patterns on the screen.

d. The PC sends "H" messages to the printer, and then the printer prints them on the paper.

e. The PC sends messages to modem.

f. Repeat the steps from c to e.

At the same time, the following programs were executed:

a. The EUT opens the test program " ScreenTest H Pattern " from the hard disk drive and runs it.

b. The EUT sends "H" messages to the LCD monitor, and the LCD monitor displays "H" patterns on the screen.

- The EUT opens "WiFi" to link with the remote workstation (wireless AP) to maintain the connection via WiFi.
- The EUT opens the "Bluetooth" to link with the remote workstation (Notebook) to maintain the connection via Bluetooth.
- The EUT turned on 3G function to link with the remote workstation (Base station) to maintain the connection.
- The EUT plays MP3 music from Micro SD card via Headset.
- The PC runs "Copy Data" to read and write function and convey to EUT, USB Flash Disk and Micro SD Card.

<For Radiated Emission Above 1GHz >

An executive program, "EMIprogram.exe" under Win 7 (PC) and Android 4.2.2 (EUT), which generates a complete line of continuously repeating "H" pattern was used as the test software.

An executive program was executed as follows:

a. Turn on the power of all equipment.
b. The PC reads the test program " EMIprogram.exe " from the hard disk drive and runs it.
c. The PC sends "H" messages to the LCD monitor, and the LCD monitor displays "H" patterns on the screen.
d. The PC sends "H" messages to the printer, and then the printer prints them on the paper.
e. The PC sends messages to modem.
f. Repeat the steps from c to e.

At the same time, the following programs were executed:

a. The EUT opens the test program " ScreenTest H Pattern " from the hard disk drive and runs it.
b. The EUT sends "H" messages to the LCD monitor, and the LCD monitor displays "H" patterns on the screen.

- The EUT opens "WiFi" to link with the remote workstation (wireless AP) to maintain the connection via WiFi.
- The EUT opens the "Bluetooth" to link with the remote workstation (Notebook) to maintain the connection via Bluetooth.
- The EUT turned on 3G function to link with the remote workstation (Base station) to maintain the connection.
- The EUT plays MP3 music from Micro SD card via Headset.
- The PC runs "Copy Data" to read and write function and convey to EUT, USB Flash Disk and Micro SD Card.

4. General Information of Test

4.1 Test Facility

Test Site Location : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
TEL : 886-2-2631-4739
FAX : 886-2-2631-9740
Test Site No. : CO01-NH / OS03-NH
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
Test Site No. : FAX : 886-3-327-0973
Test Site No. : 03CH04-HY

4.2 Uncertainty of Test Site

Test Items	Test Site No.	Uncertainty	Remark
Conducted Emissions	CO01-NH	± 2.6dB	Confidence levels of 95%
Radiated Emissions below 1GHz	OS03-NH	± 2.9dB	Confidence levels of 95%
Radiated Emissions above 1GHz	03CH04-HY	± 4.8dB	Confidence levels of 95%

4.3 Test Voltage

120VAC / 60Hz

4.4 Standard for Methods of Measurement

ANSI C63.4-2009

4.5 Test in Compliance with

CISPR PUB. 22 and FCC Part 15 Subpart B

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 ~ 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 C63.4-2009 Section 3.1. 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.

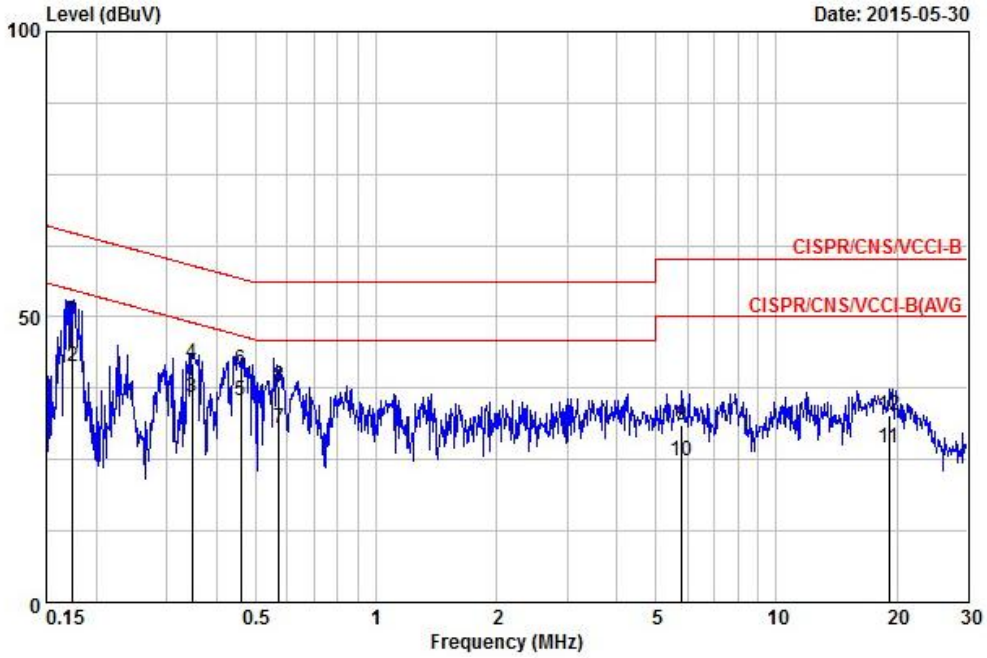
5.2 Typical Test Setup Layout of Conducted Powerline

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

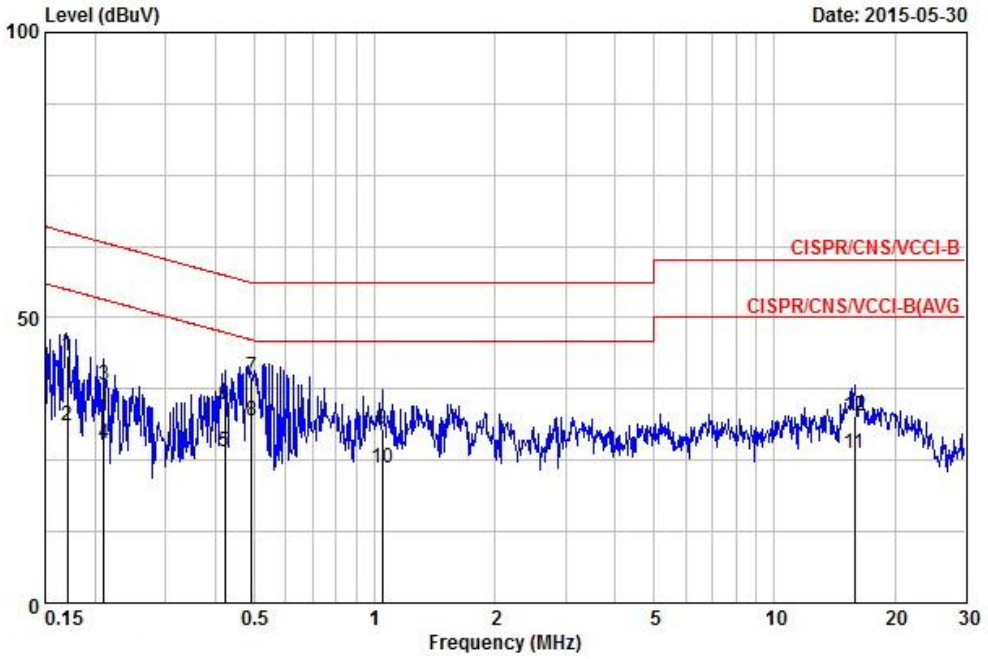
Test Mode	Mode 1	Test Site No.	CO01-NH
Test Frequency	0.15 MHz ~ 30 MHz	Test Engineer	Willy
Temperature	26 ℃	Relative Humidity	53 %
Note: 1. Corrected Reading (dBμV) = LISN Factor + Cable Loss + Read Level = Level			
2. All emissions not reported here are more than 10 dB below the prescribed limit.			
■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	0.175	49.56	-15.16	64.72	38.99	10.47	0.10	QP
2	0.175	41.30	-13.42	54.72	30.73	10.47	0.10	AVERAGE
3	0.347	35.76	-13.27	49.03	25.18	10.48	0.10	AVERAGE
4	0.347	41.78	-17.25	59.03	31.20	10.48	0.10	QP
5 @	0.459	35.45	-11.26	46.71	24.86	10.48	0.11	AVERAGE
6	0.459	40.74	-15.97	56.71	30.15	10.48	0.11	QP
7	0.573	30.62	-15.38	46.00	20.00	10.48	0.14	AVERAGE
8	0.573	38.02	-17.98	56.00	27.40	10.48	0.14	QP
9	5.805	31.09	-28.91	60.00	20.22	10.57	0.30	QP
10	5.805	24.71	-25.29	50.00	13.84	10.57	0.30	AVERAGE
11	19.122	27.00	-23.00	50.00	15.83	10.79	0.38	AVERAGE
12	19.122	32.72	-27.28	60.00	21.55	10.79	0.38	QP

Neutral



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.170	43.20	-21.74	64.94	32.96	10.14	0.10	QP
2	0.170	31.13	-23.81	54.94	20.89	10.14	0.10	AVERAGE
3	0.211	38.20	-24.98	63.18	27.97	10.13	0.10	QP
4	0.211	27.89	-25.29	53.18	17.66	10.13	0.10	AVERAGE
5	0.421	26.49	-20.93	47.42	16.27	10.12	0.11	AVERAGE
6	0.421	34.81	-22.61	57.42	24.59	10.12	0.11	QP
7	0.491	39.47	-16.68	56.14	29.22	10.12	0.12	QP
8	0.491	31.95	-14.20	46.14	21.70	10.12	0.12	AVERAGE
9	1.043	30.57	-25.43	56.00	20.24	10.13	0.20	QP
10	1.043	23.60	-22.40	46.00	13.27	10.13	0.20	AVERAGE
11	15.885	26.32	-23.68	50.00	15.57	10.43	0.32	AVERAGE
12	15.885	32.70	-27.30	60.00	21.95	10.43	0.32	QP

6. Test of Radiated Emission

Radiated emissions from 30 MHz to 13,000 MHz 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 C63.4-2009. 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.

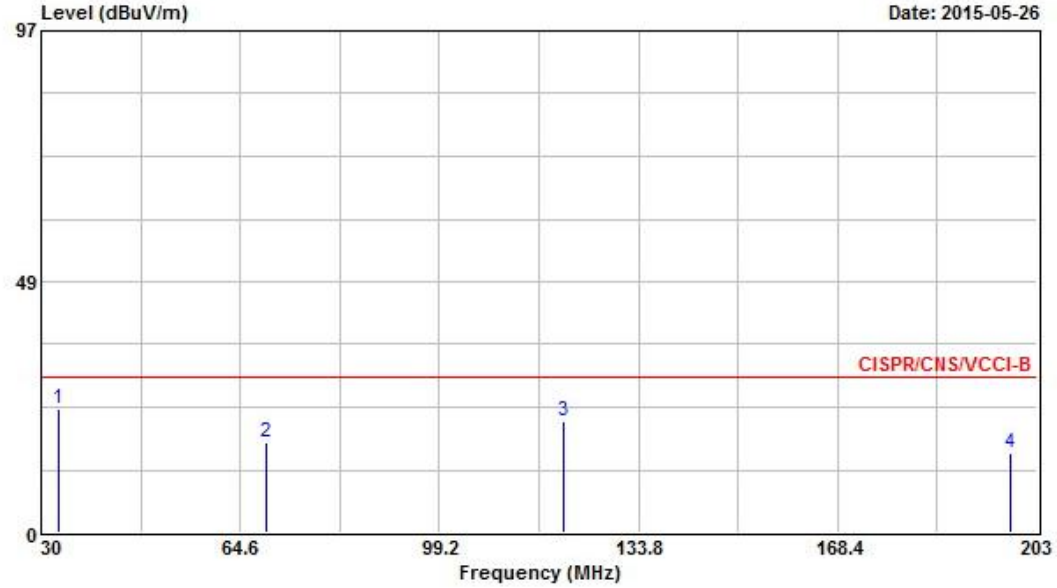
6.1 Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set at 3m(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)

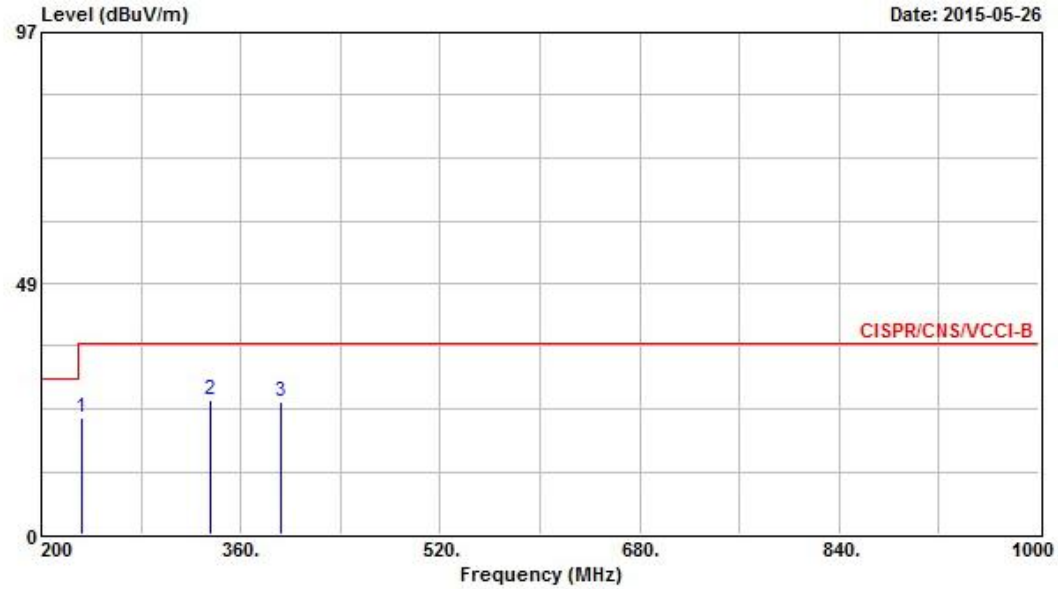
Test mode	Mode 1	Test Site No.	OS03-NH
Test frequency	30 MHz ~ 1000 MHz	Test Engineer	Alan
Temperature	23 ℃	Relative Humidity	52 %
Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)			
2. Corrected Reading : Probe Factor + Cable Loss + Read Level – Preamp Factor = Level			
■The test was passed at the minimum margin that marked by the frame in the following data			

Vertical



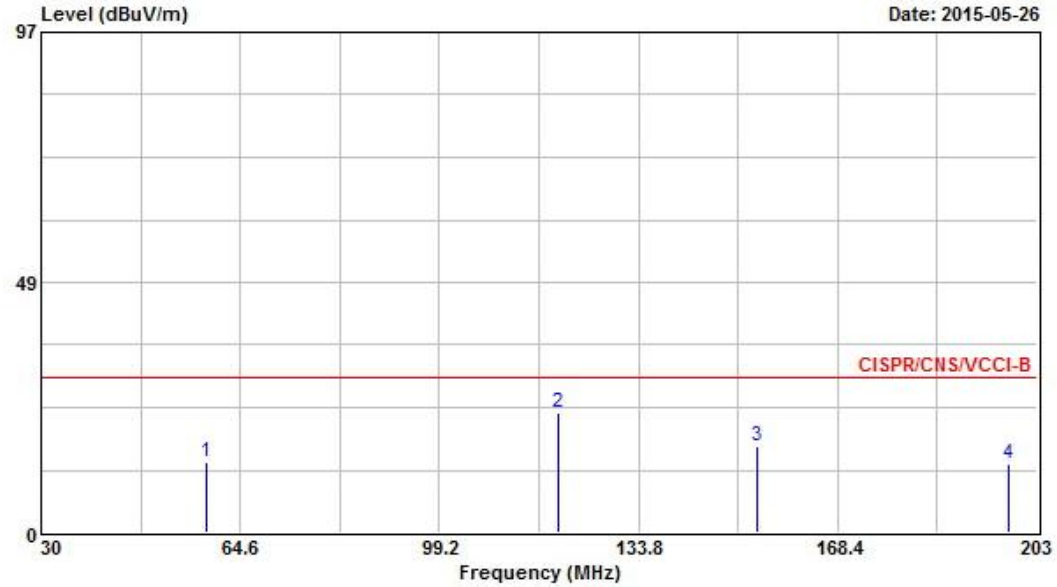
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	33.110	24.07	-5.93	30.00	35.13	16.44	0.94	28.44	QP	100	68
2	69.100	17.54	-12.46	30.00	38.03	6.50	1.38	28.37	Peak	---	---
3	120.830	21.35	-8.65	30.00	35.00	12.70	1.86	28.21	Peak	---	---
4	198.330	15.36	-14.64	30.00	31.40	9.43	2.46	27.93	Peak	---	---

Vertical



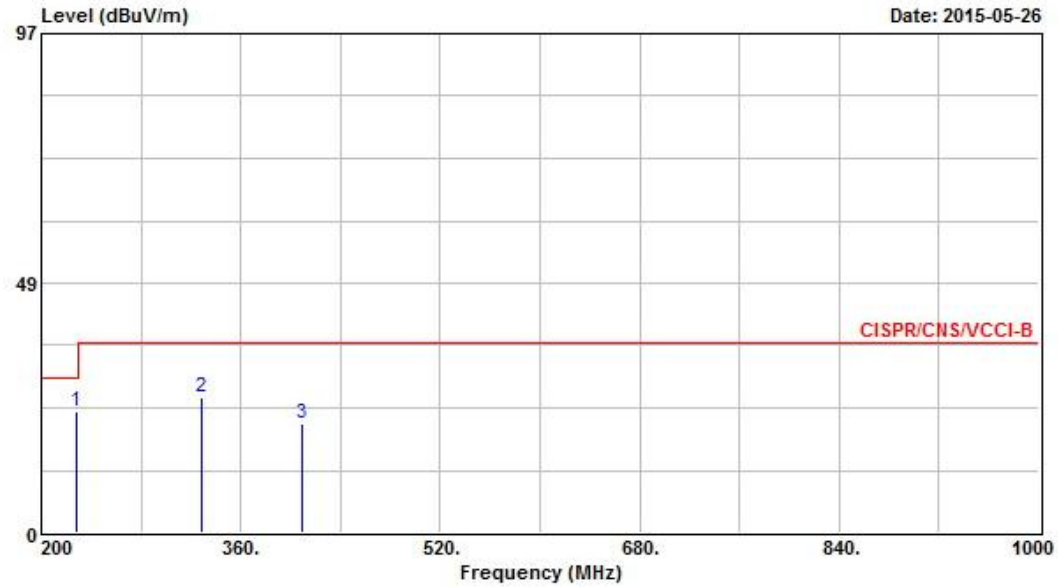
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	232.800	22.56	-14.44	37.00	36.41	11.40	2.63	27.88	Peak	---	---
2	336.000	25.83	-11.17	37.00	36.41	14.16	3.29	28.03	Peak	---	---
3	392.000	25.46	-11.54	37.00	34.79	15.53	3.58	28.44	Peak	---	---

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	58.720	13.64	-16.36	30.00	34.20	6.54	1.29	28.39	Peak	---	---
2	119.960	23.16	-6.84	30.00	36.80	12.73	1.85	28.22	Peak	---	---
3	154.390	16.70	-13.30	30.00	32.27	10.39	2.13	28.09	Peak	---	---
4	198.160	13.35	-16.65	30.00	29.41	9.43	2.45	27.94	Peak	---	---

Horizontal

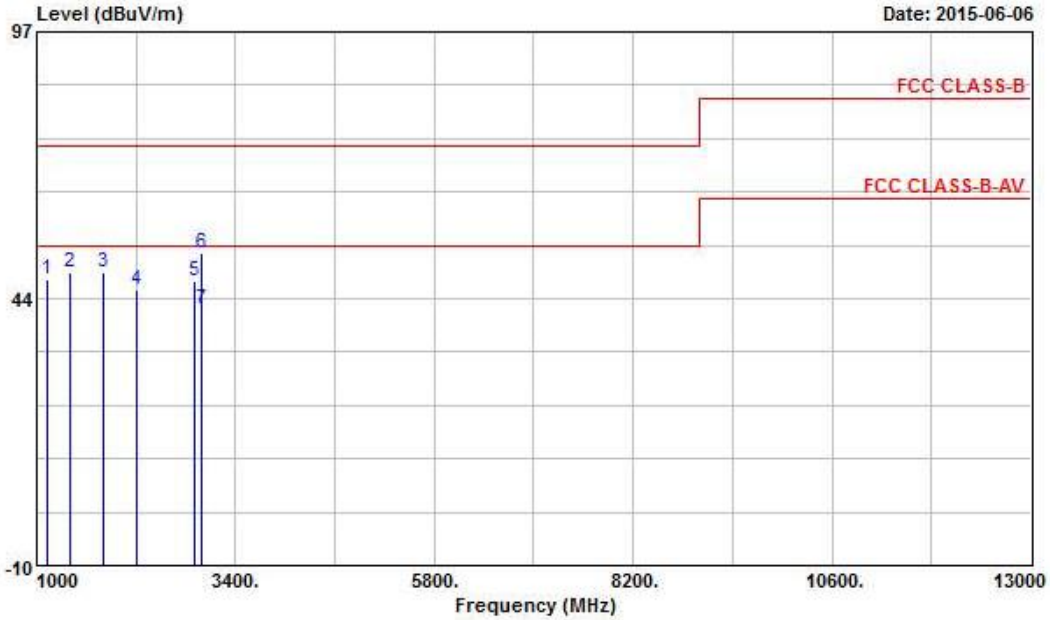


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	228.800	23.49	-6.51	30.00	37.60	11.17	2.60	27.88	Peak	---	---
2	328.000	26.25	-10.75	37.00	37.00	13.97	3.26	27.98	Peak	---	---
3	408.800	21.20	-15.80	37.00	30.20	15.89	3.66	28.55	Peak	---	---

6.3 Test Result of Radiated Emission (Above 1GHz)

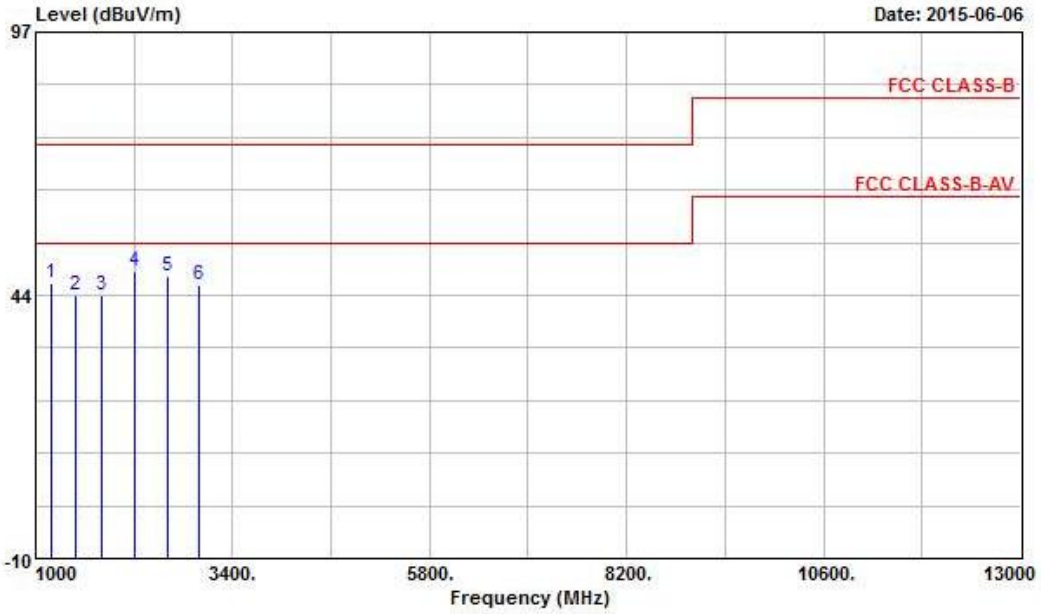
Test mode	Mode 1	Test Site No.	03CH04-HY
Test frequency	1 GHz ~ 13 GHz	Test Engineer	Kevin
Temperature	24 ℃	Relative Humidity	58 %
Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)			
2. Corrected Reading : Probe Factor + Cable Loss + Read Level – Preamp Factor = Level			
■The test was 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	1132.000	47.47	-26.53	74.00	55.21	24.89	34.56	1.94	---	---	Peak
2	1398.000	48.88	-25.12	74.00	55.27	25.61	34.14	2.14	---	---	Peak
3	1798.000	48.67	-25.33	74.00	53.95	26.20	33.82	2.34	---	---	Peak
4	2198.000	45.33	-28.67	74.00	49.81	26.82	33.90	2.61	---	---	Peak
5	2900.000	47.03	-26.97	74.00	50.10	28.46	34.50	2.97	---	---	Peak
6	2996.000	52.58	-21.42	74.00	55.48	28.66	34.55	2.99	100	358	Peak
7	2996.000	41.24	-12.76	54.00	44.14	28.66	34.55	2.99	100	358	Average

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	1196.000	45.97	-28.03	74.00	53.34	25.08	34.45	1.99	---	---	Peak
2	1494.000	43.51	-30.49	74.00	49.41	25.90	34.03	2.22	---	---	Peak
3	1798.000	43.51	-30.49	74.00	48.79	26.20	33.82	2.34	---	---	Peak
4	2198.000	48.27	-25.73	74.00	52.75	26.82	33.90	2.61	---	---	Peak
5	2598.000	47.36	-26.64	74.00	51.02	27.74	34.28	2.88	---	---	Peak
6	2990.000	45.46	-28.54	74.00	48.36	28.66	34.55	2.99	---	---	Peak

7. List of Measuring Equipment Used

< Conducted Emission >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Receiver	R&S	ESCS 30	100357	9 kHz - 2.75 GHz	Jan. 21, 2015	Conduction (CO01-NH)
LISN	SCHAFFNER	NNB41	06/10024	9kHz - 30MHz	Dec. 04, 2014	Conduction (CO01-NH)
LISN	KYORITSU	KNW-407	8-1010-15	9kHz – 30MHz	NCR	Conduction (CO01-NH)
Power Filter	CORCOM	MR12030	N/A	30A*2	NCR	Conduction (CO01-NH)
RF Cable-CON	Suhner Switzerland	RG223/U	CB004	9kHz - 30MHz	Dec. 10, 2014	Conduction (CO01-NH)

※ 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
Open Area Test Site	SPORTON	OATS-10	OS03-NH	30 MHz - 1 GHz 10m, 3m	Nov. 09, 2014	Radiation (OS03-NH)
Amplifier	HP	8447D	2944A08292	0.1 MHz - 1.3 GHz	May 11, 2015	Radiation (OS03-NH)
Spectrum Analyzer	Advantest	R3261C	81720147	9 kHz – 2.6 GHz	Nov. 26, 2014	Radiation (OS03-NH)
Receiver	R&S	ESCS 30	838251/002	9 kHz - 2.75 GHz	Nov. 07, 2014	Radiation (OS03-NH)
Bilog Antenna	CHASE	CBL6112D	25234	30 MHz - 2 GHz	Feb. 28, 2015	Radiation (OS03-NH)
Turn Table	EMCO	2080	9805-2065	0 - 360 degree	NCR	Radiation (OS03-NH)
Antenna Mast	EMCO	2075	9804-2151	1 m - 4 m	NCR	Radiation (OS03-NH)
RF Cable-R10m	HSCN	RG213U	2X11N	30 MHz - 1 GHz	Aug. 06, 2014	Radiation (OS03-NH)

※ 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	FSP40	100593	9kHz ~ 40GHz	Oct. 02, 2014	Radiation (03CH04-HY)
Amplifier	Agilent	8449B	3008A02326	1GHz ~ 26.5GHz	May 08, 2015	Radiation (03CH04-HY)
Horn Antenna	SCHWARZBECK	BBHA9120	BBHA9120D1130	1 GHz ~ 18 GHz	Sep.16, 2014	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	CB065-HF	1 GHz ~ 40 GHz	Nov. 12, 2014	Radiation (03CH04-HY)

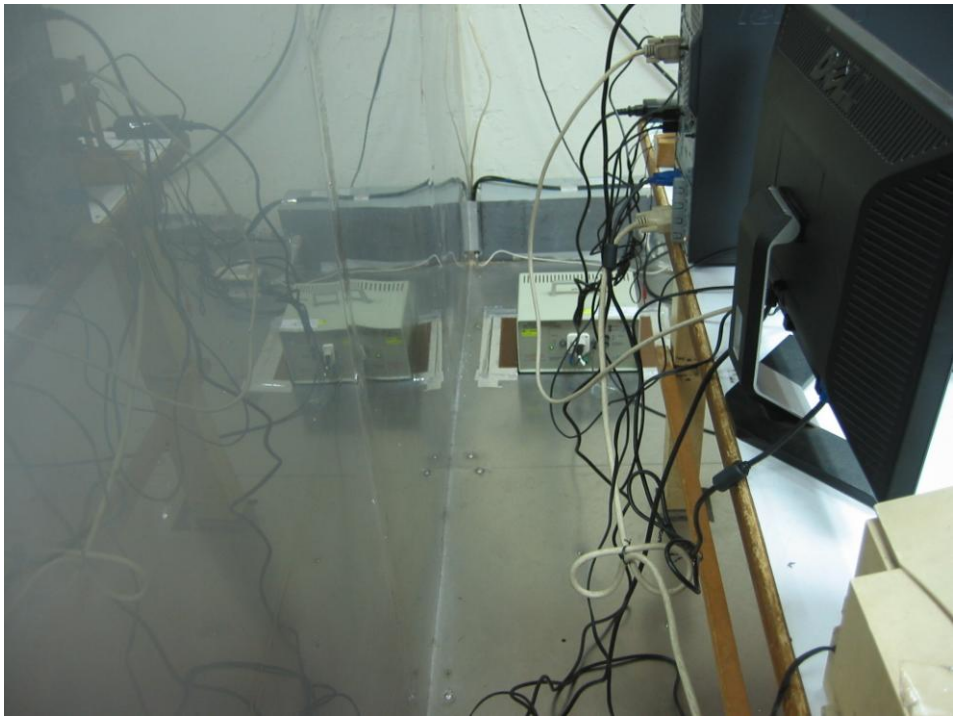
※ Calibration Interval of instruments listed above is one year. NCR: Non-Calibration required.

Appendix A. Test Photos

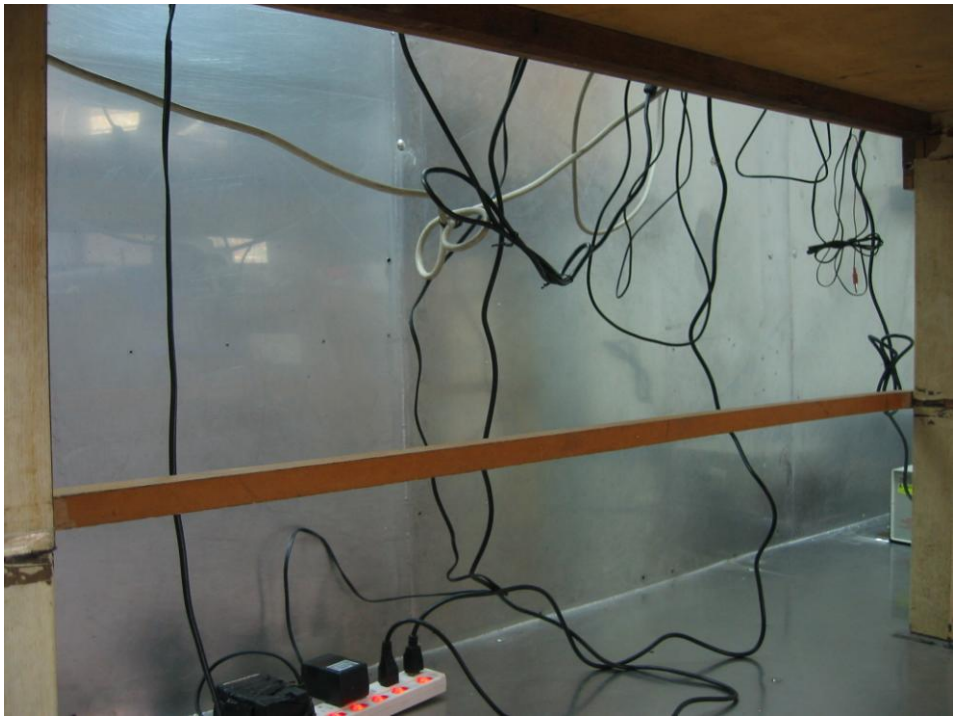
1 Photographs of Conducted Emissions Test Configuration

FRONT VIEW

REAR VIEW



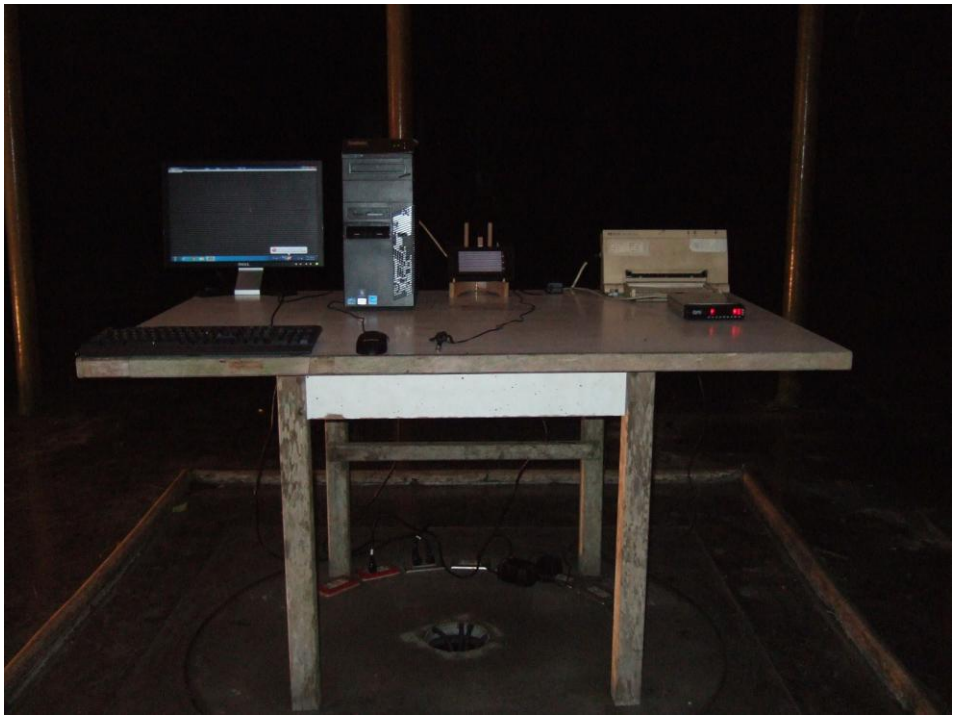
SIDE VIEW



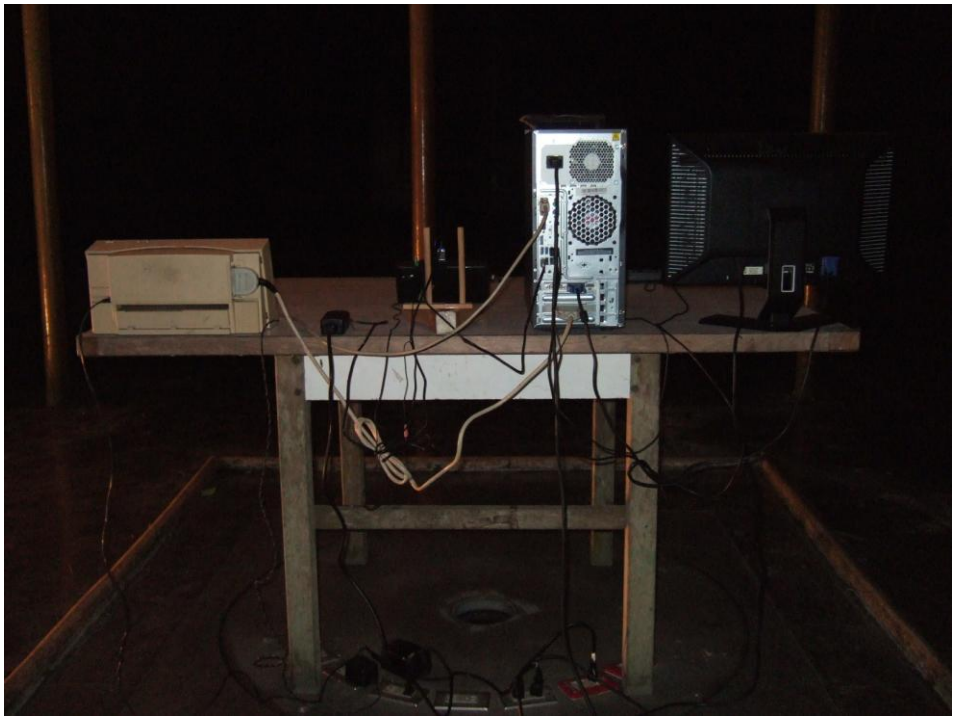
2 Photographs of Radiated Emission Test Configuration

For radiated emissions below 1GHz

FRONT VIEW

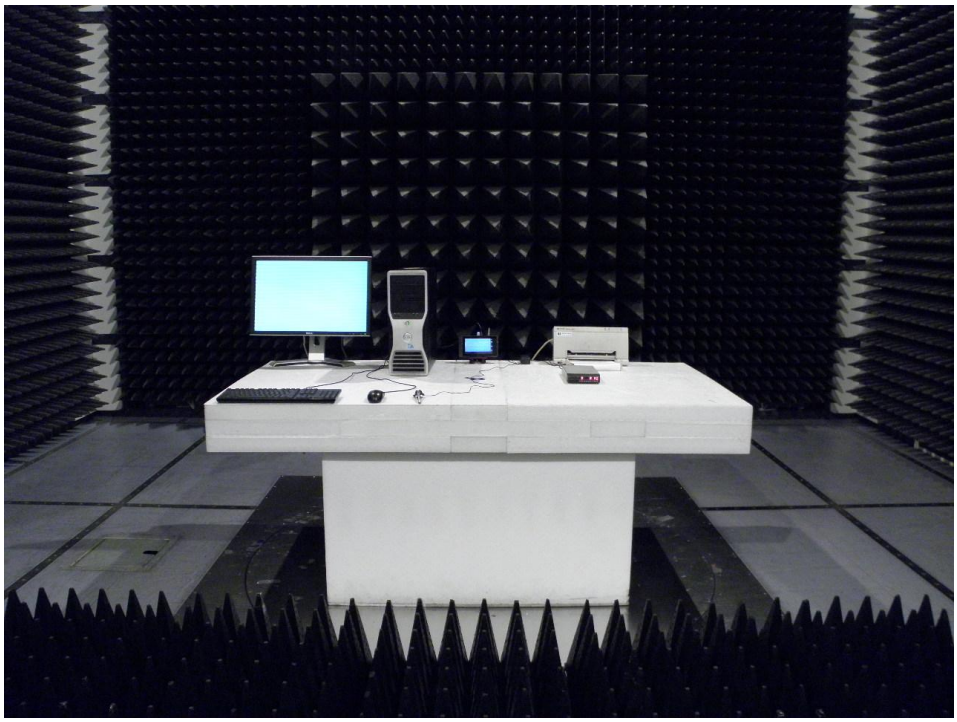


REAR VIEW

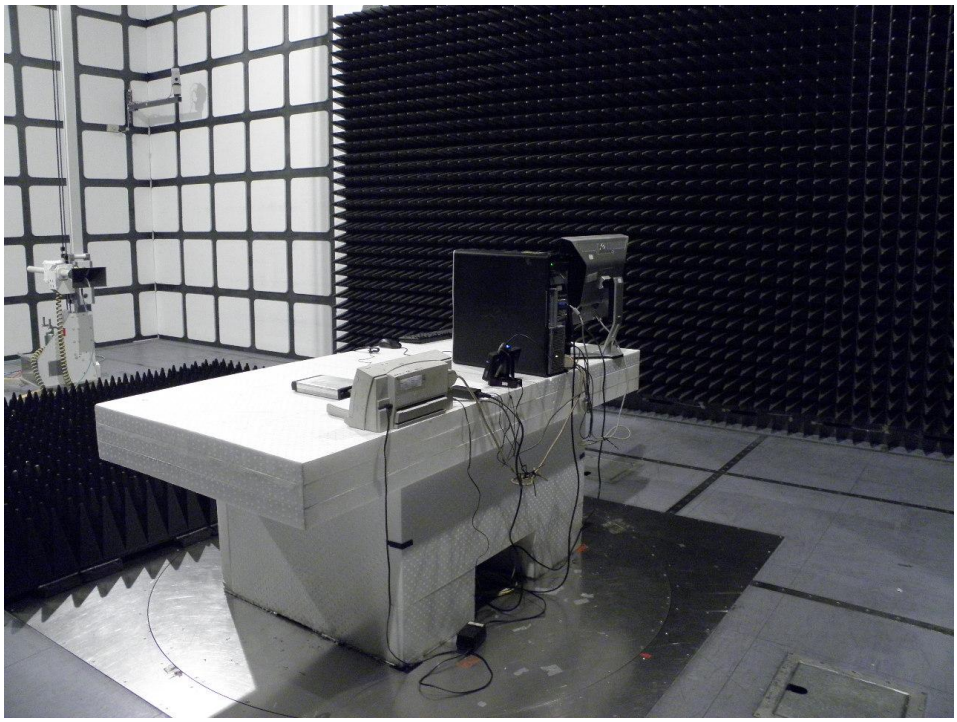


For radiated emissions above 1GHz

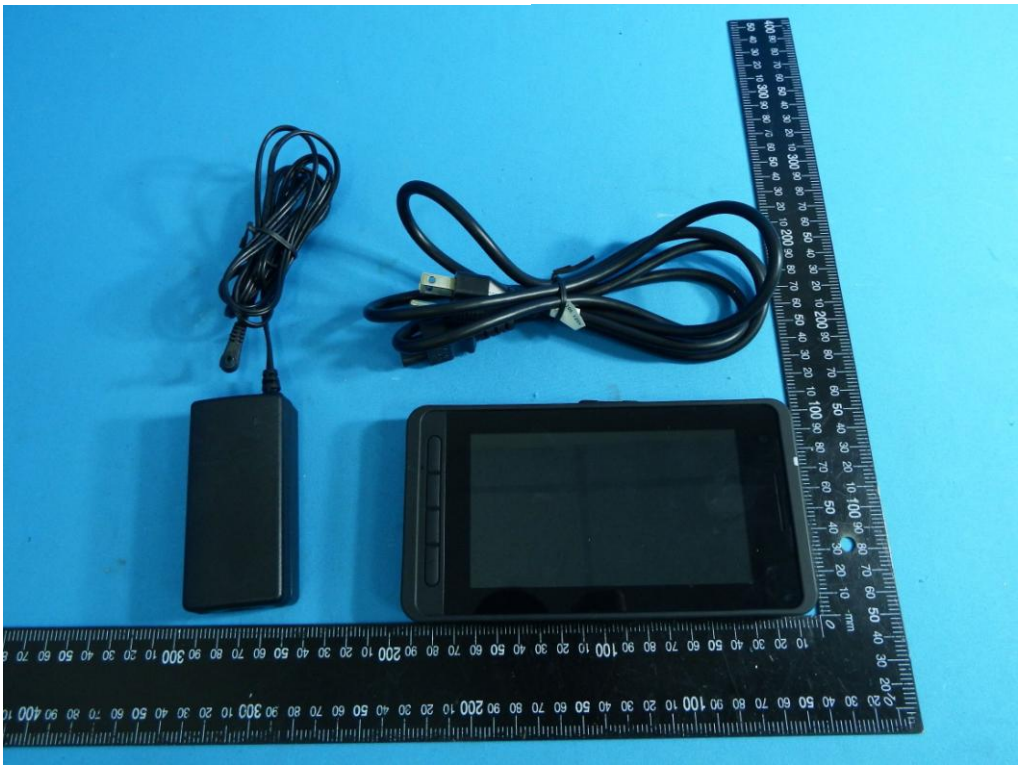
FRONT VIEW

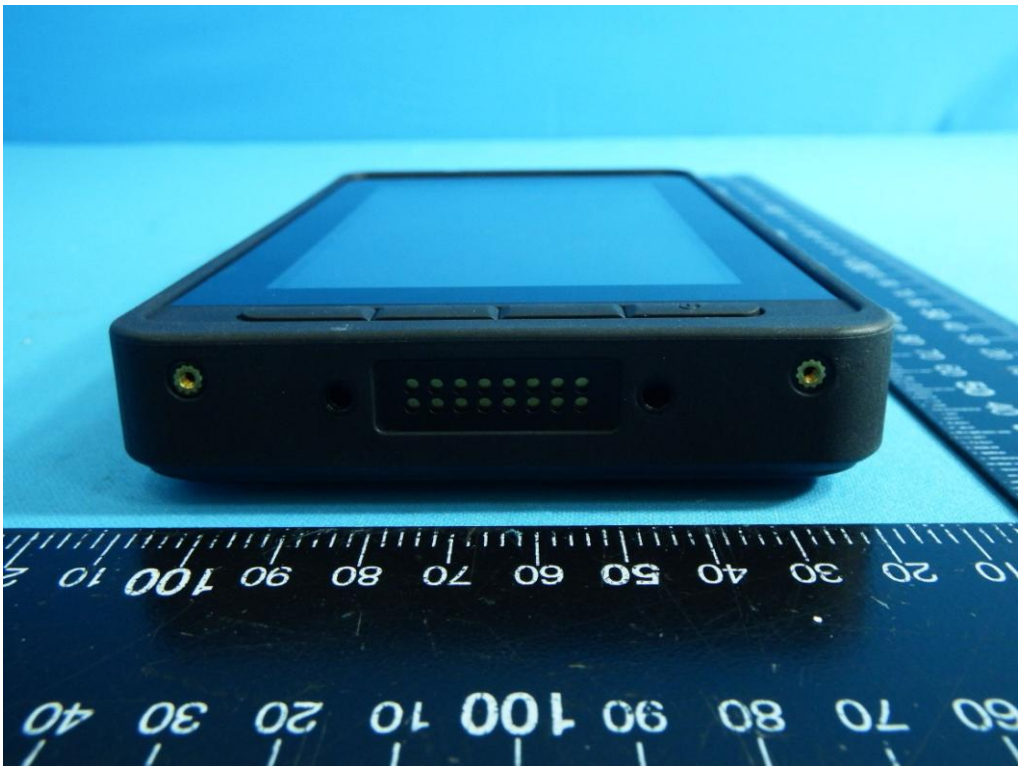


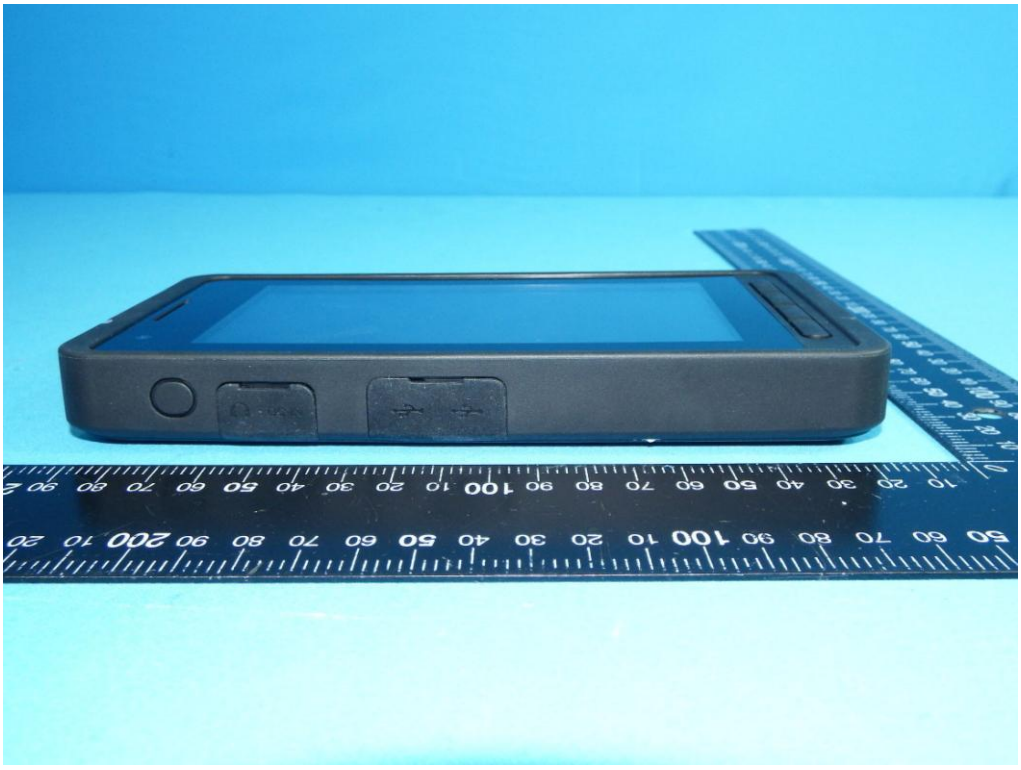
REAR VIEW

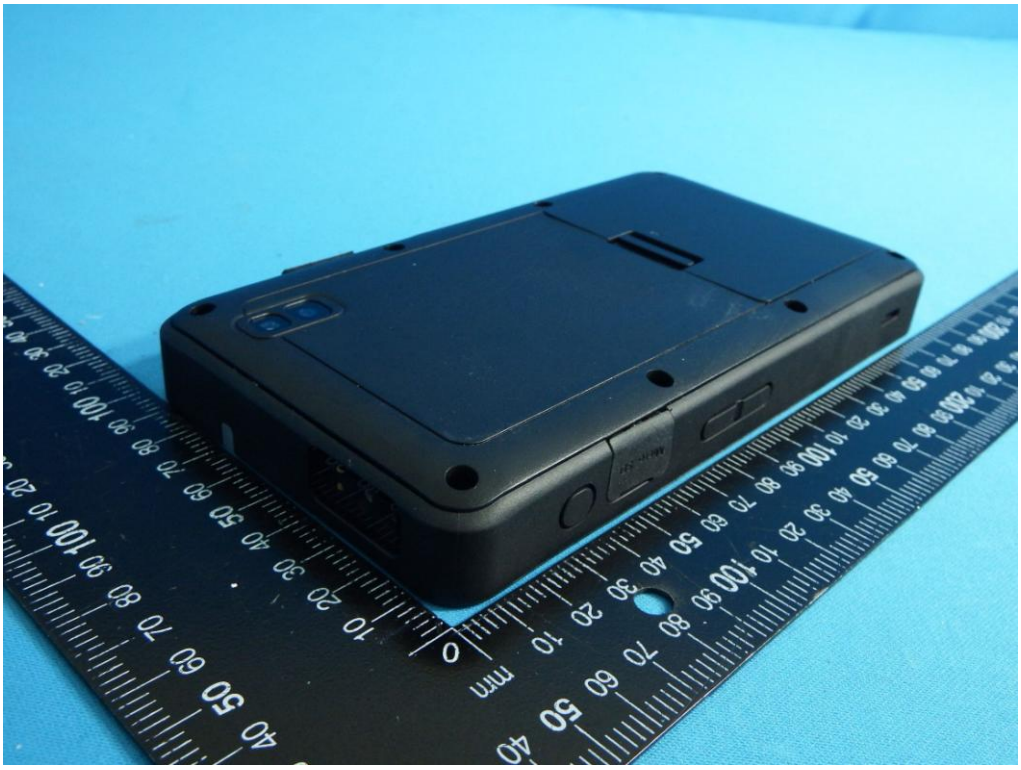


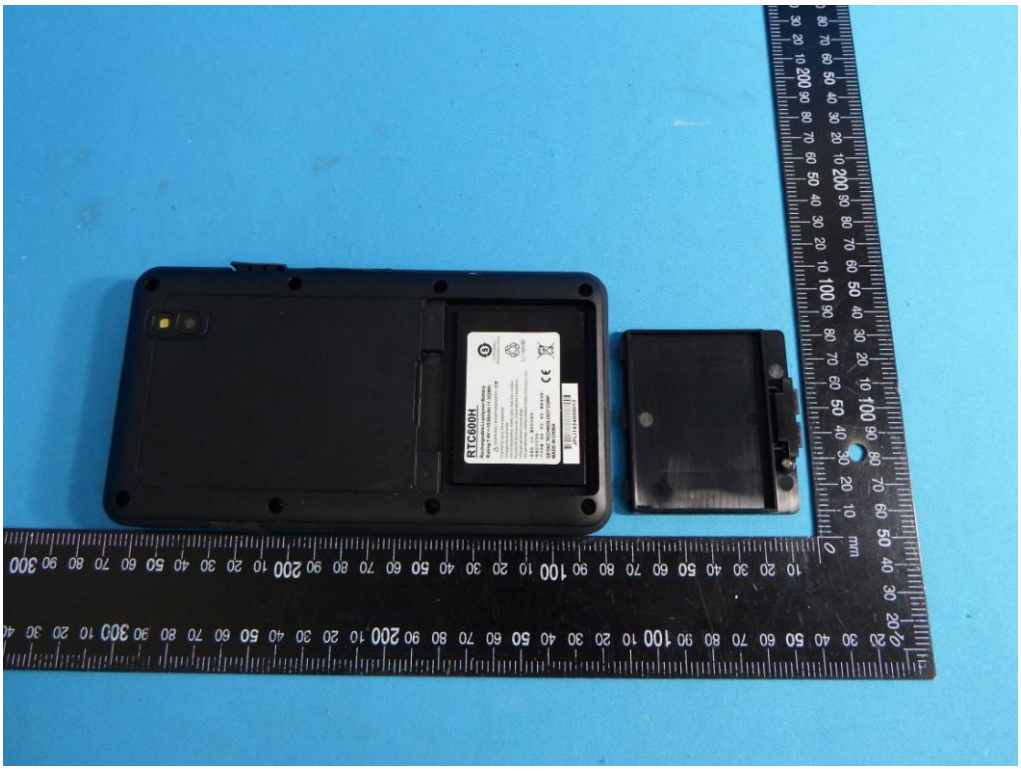
APPENDIX B. Photographs of EUT







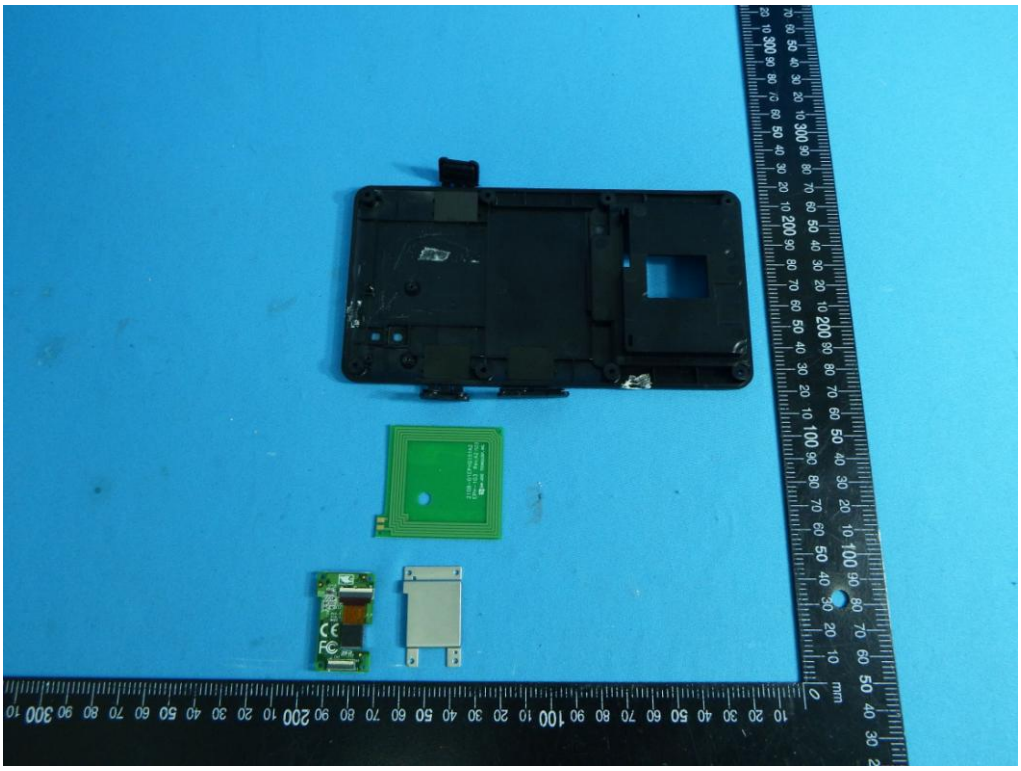


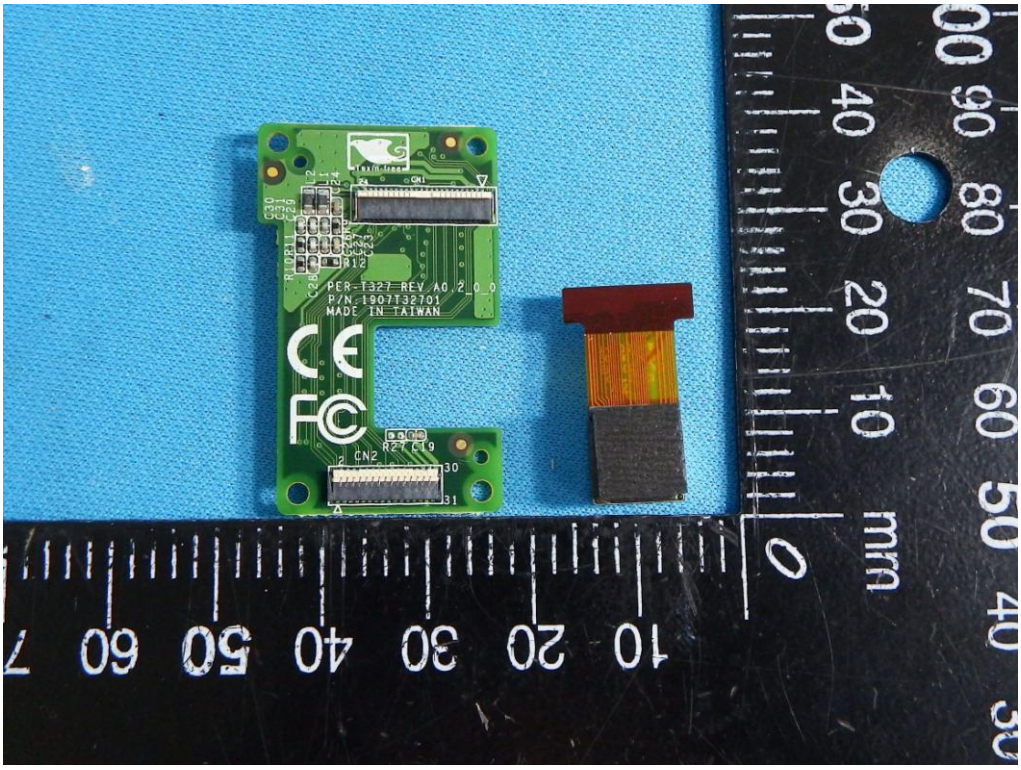

RTC600H


RTC600H


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
JPLI1434000013


RTC600S

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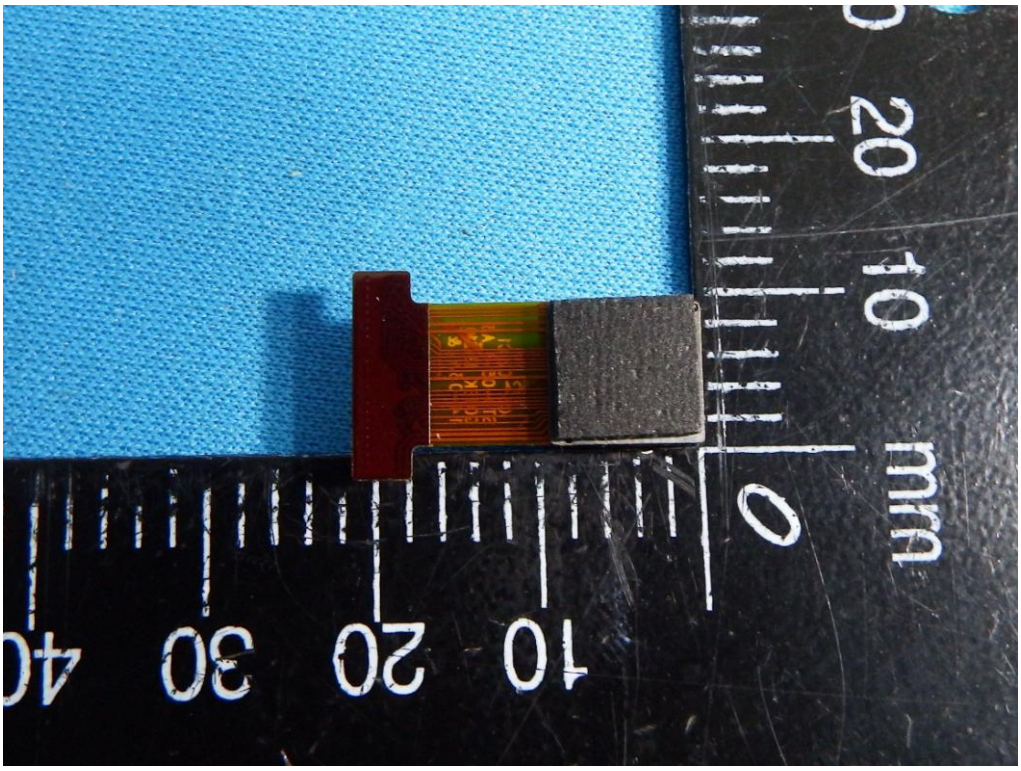
CN2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30
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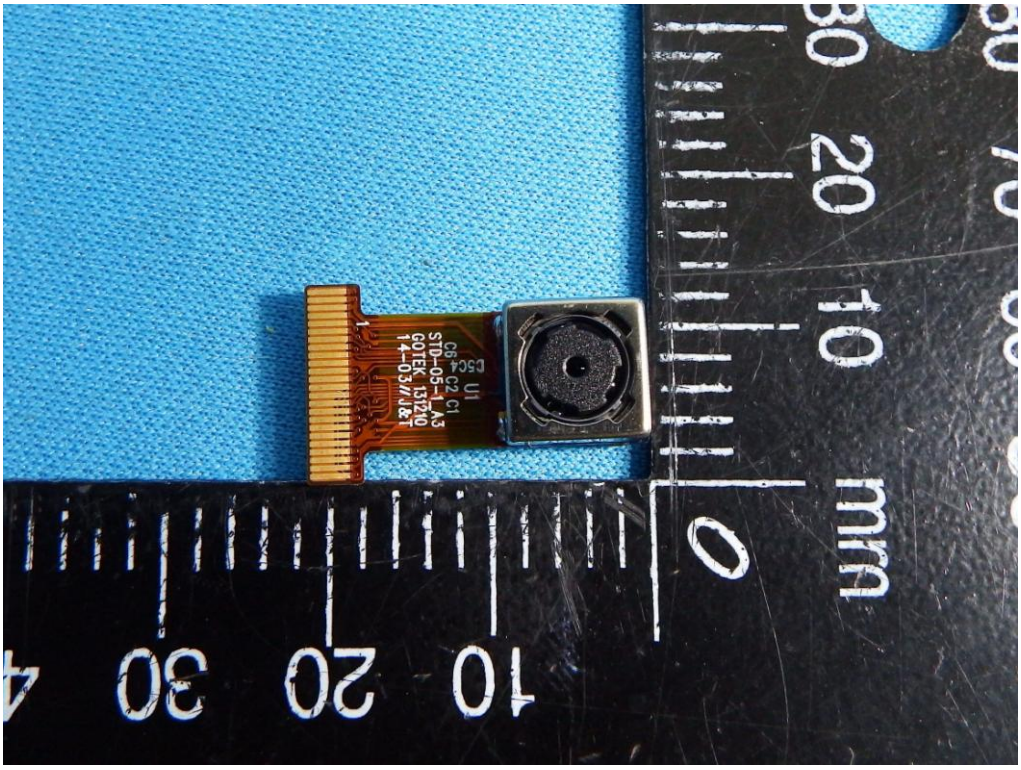
mm
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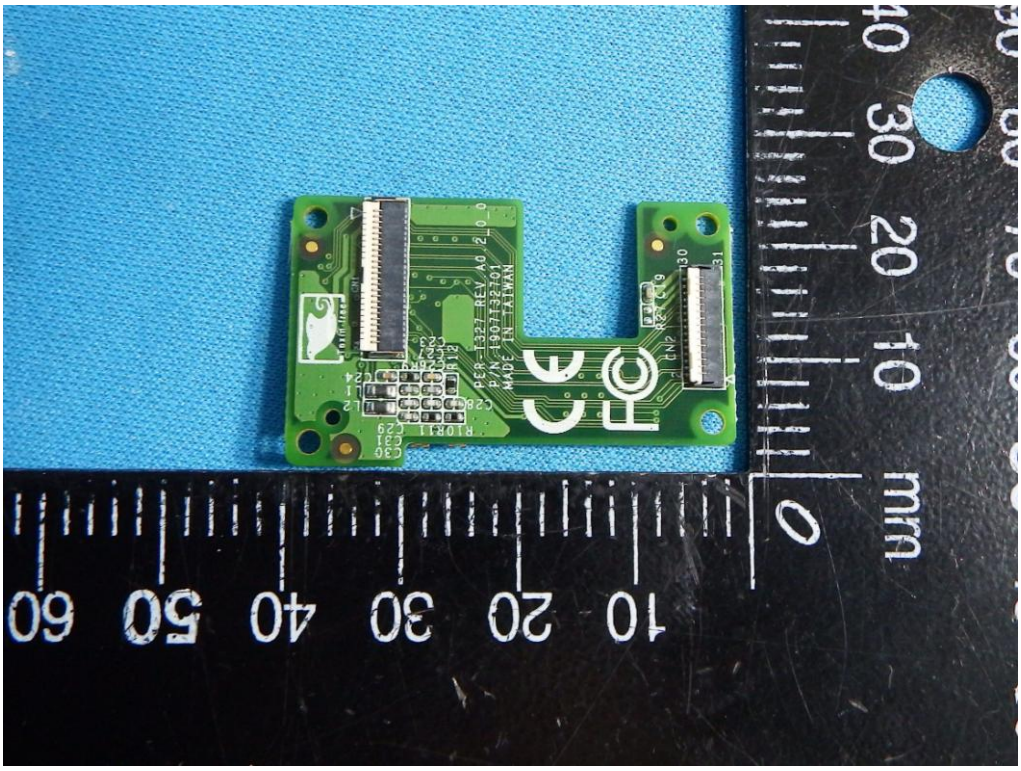
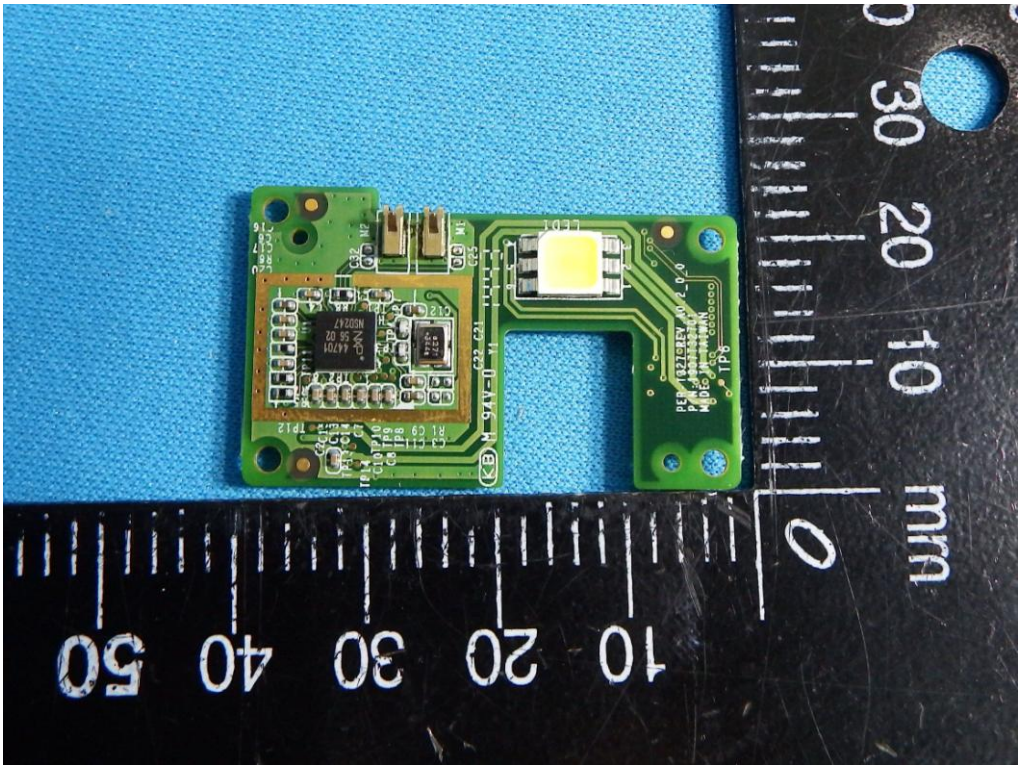
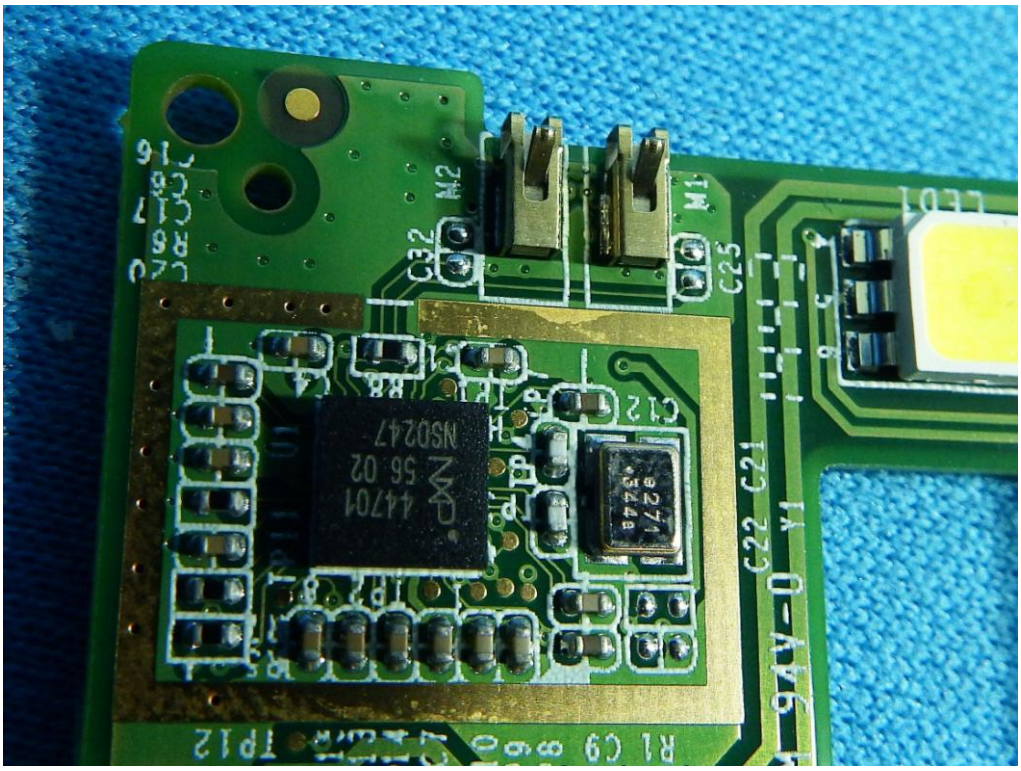




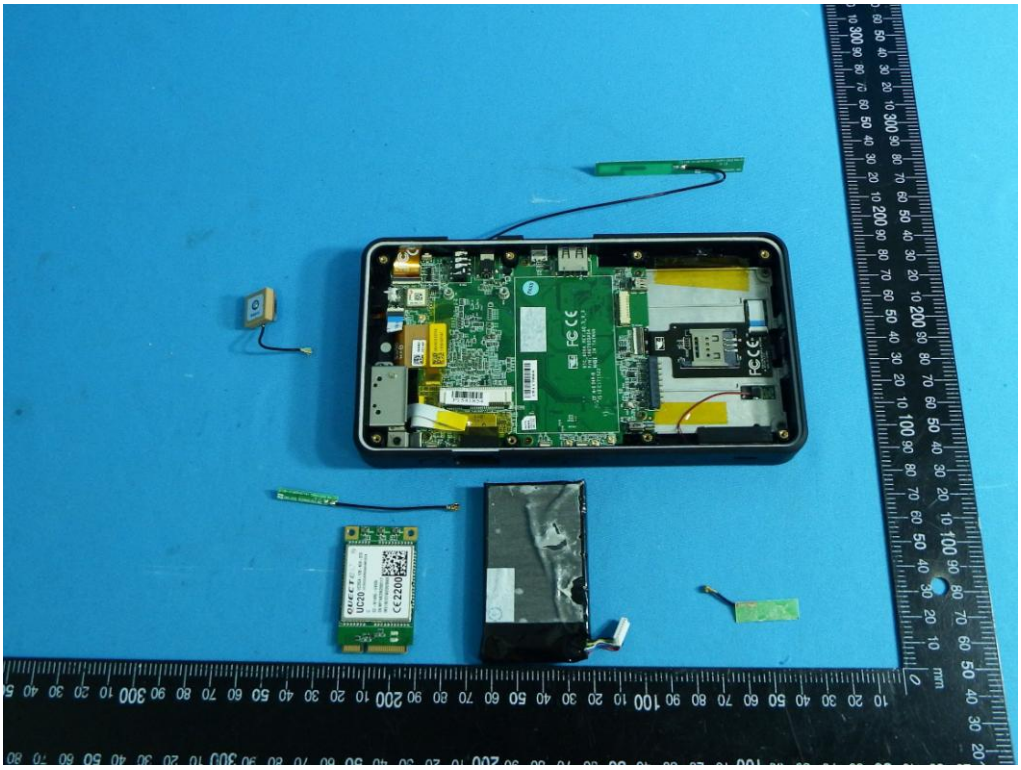



RTC600S
UC20
P1541K54
JPLI1410000032

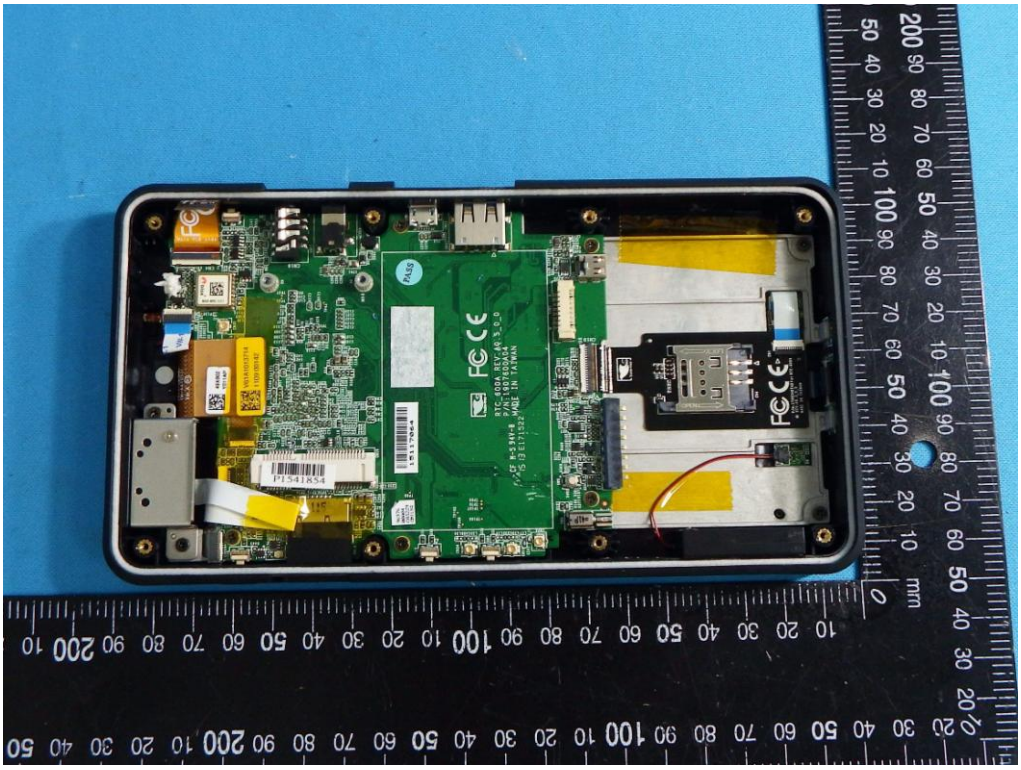

RTC600S
Rechargeable Li-polymer Battery
Rating 7.4V 1530mAh 11.322Wh
GETAC TECHNOLOGY CORP.
MADE IN CHINA
QUECTEL
UC20
UC20GA-128-NCH-STD

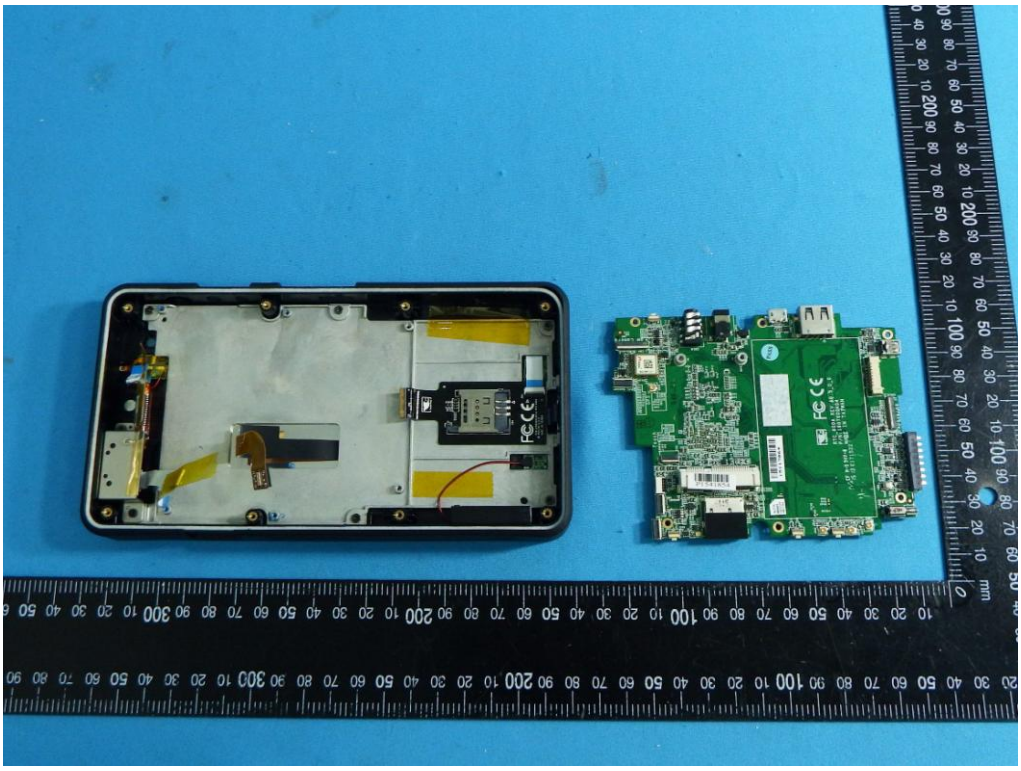

49X002
Y011AP
V61A1013714
QUECTEL
UC20
UC20GA-128-NCH-STD

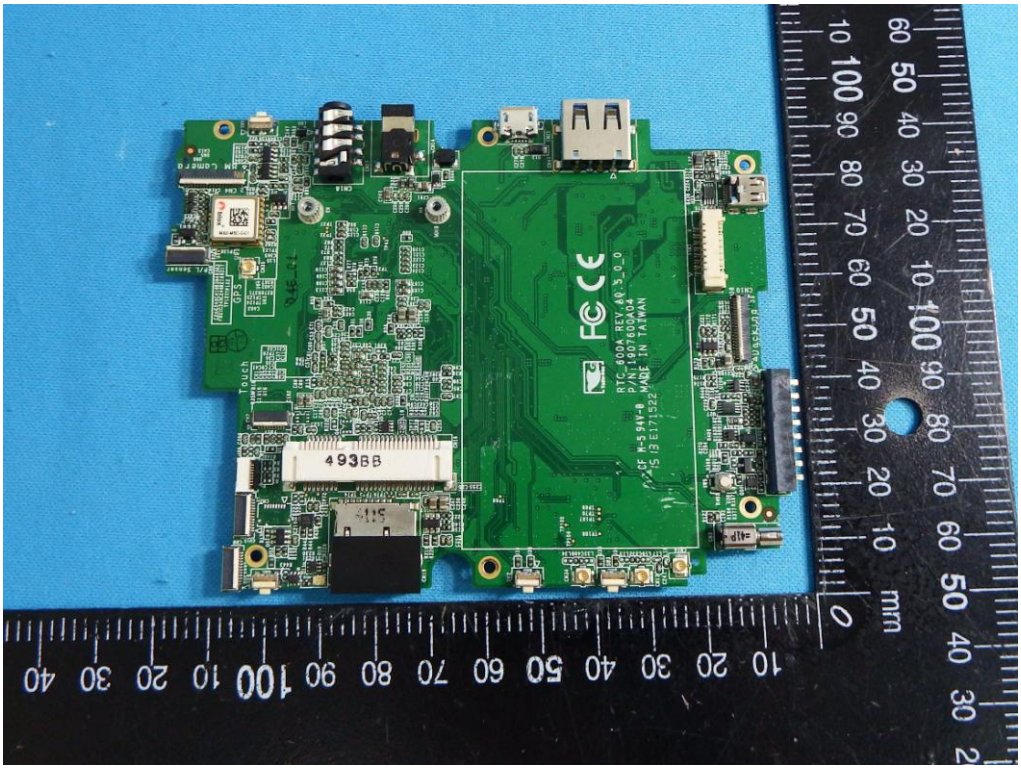

Li-ion 00
UC20

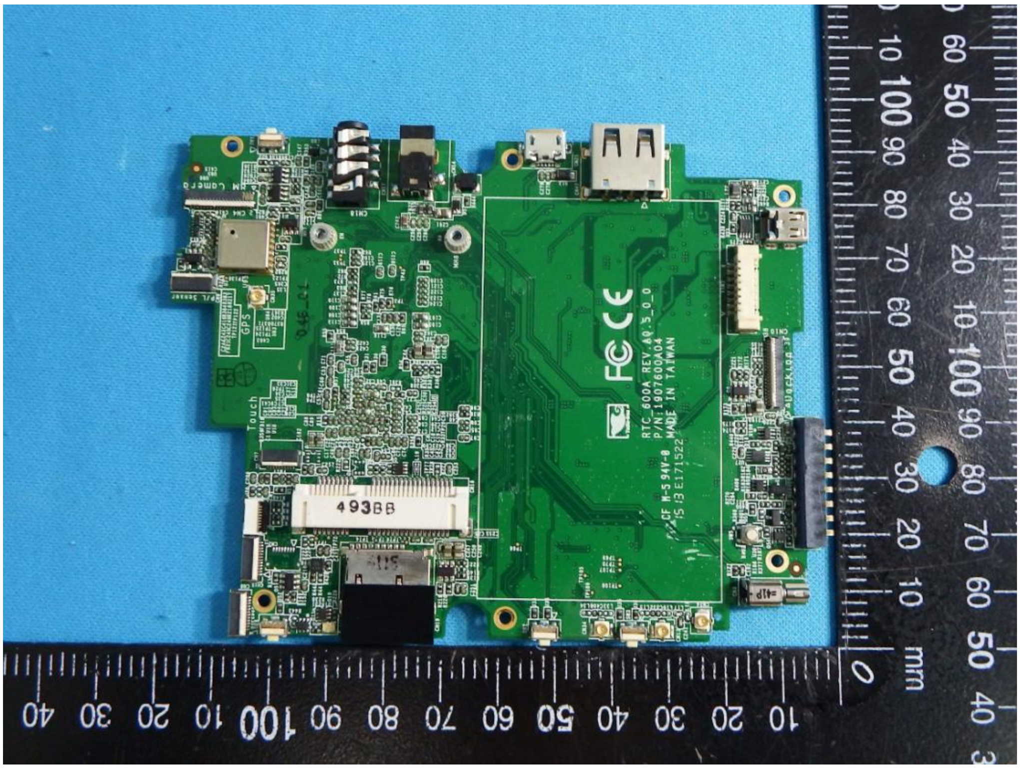



RTC600S
Rechargeable Li-polymer Battery
Rating 7.4V⎓1530mAh 11.322Wh
WARNING / AVERTISSEMENT / 注意
Potential for injury, fire or explosion.
•Charge only as directed.
•Do not disassemble, modify, crash, heat, burn, or short.
Possibilité de blessures, d'incendie ou d'explosion.
•Chargez seulement comme 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
JPLI11410000032





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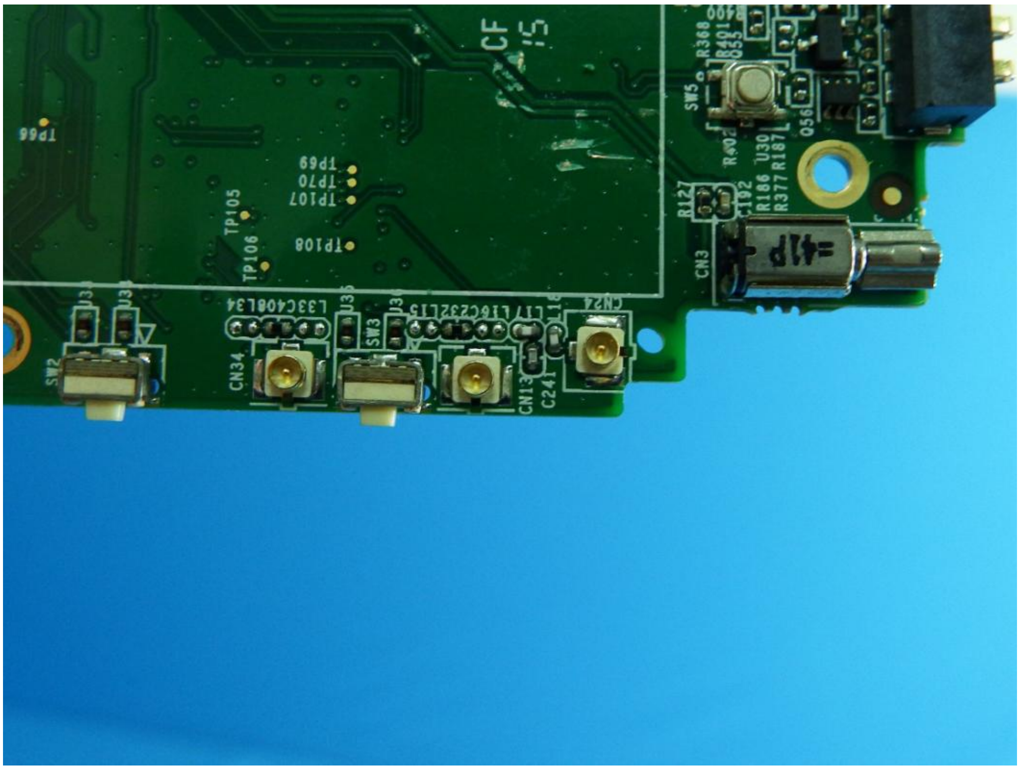
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CN24
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SW5
TP105
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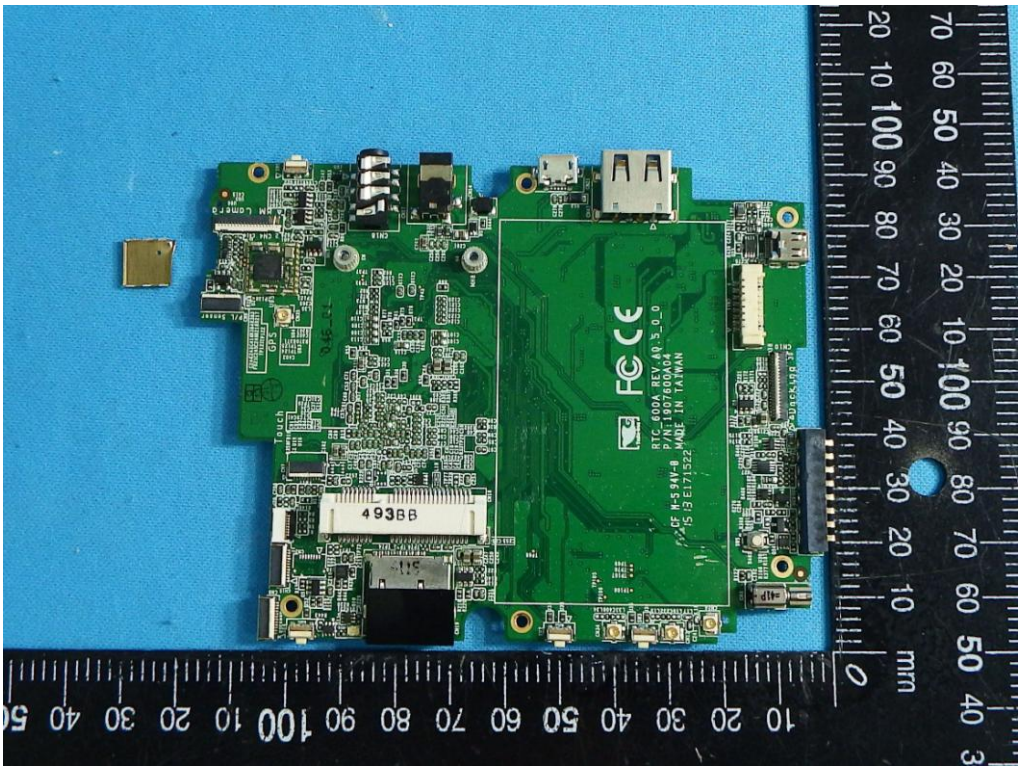

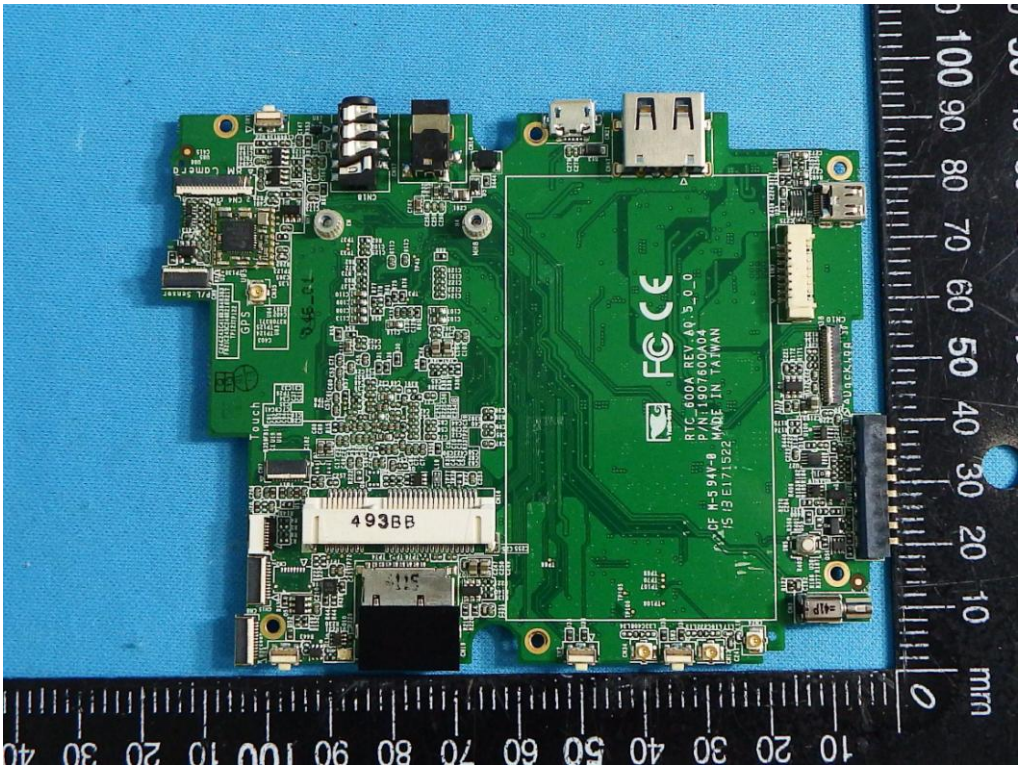

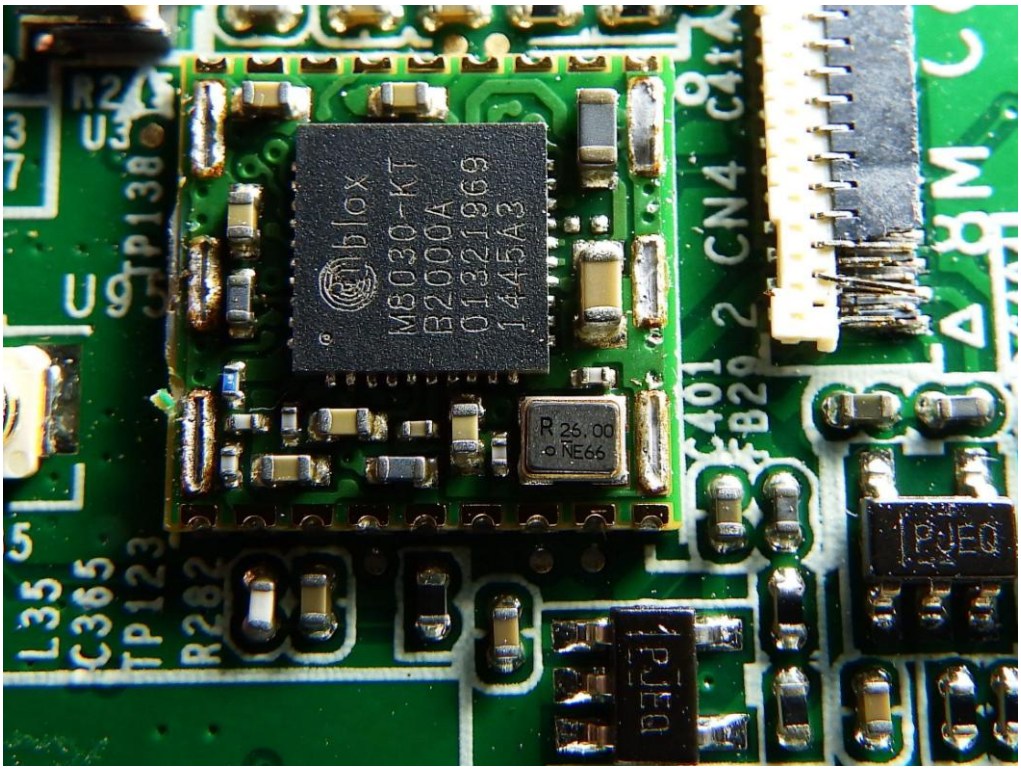
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NE66
CN4
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C365
TP123
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FB21C245C246R218R217
TP121TP122
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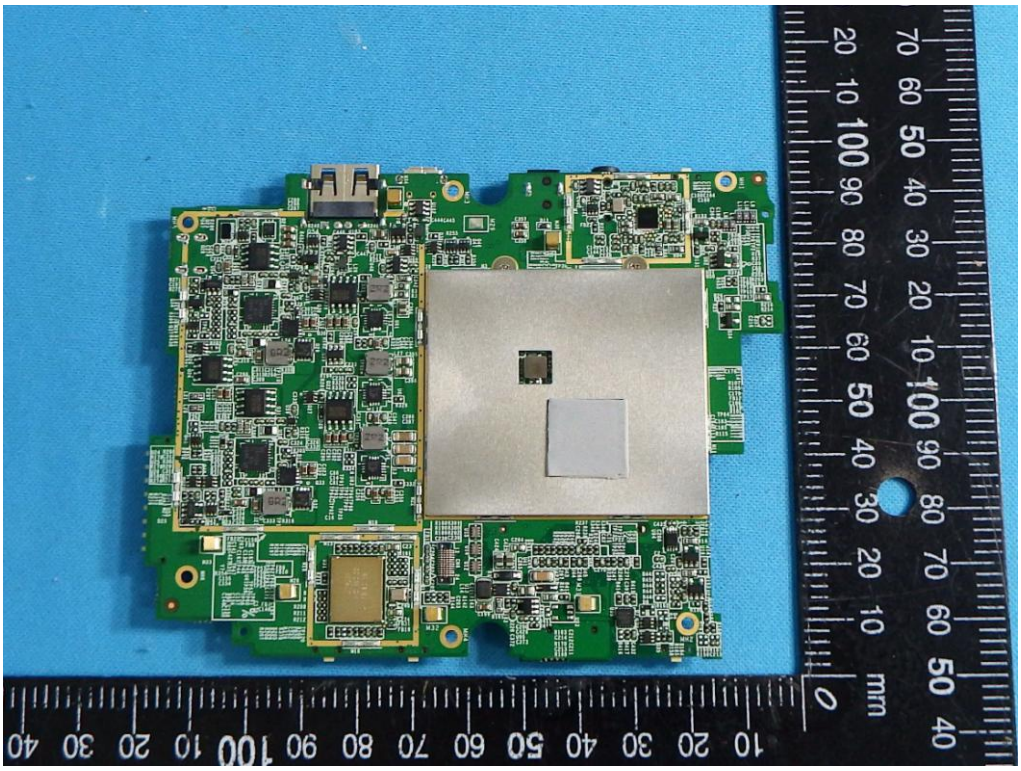

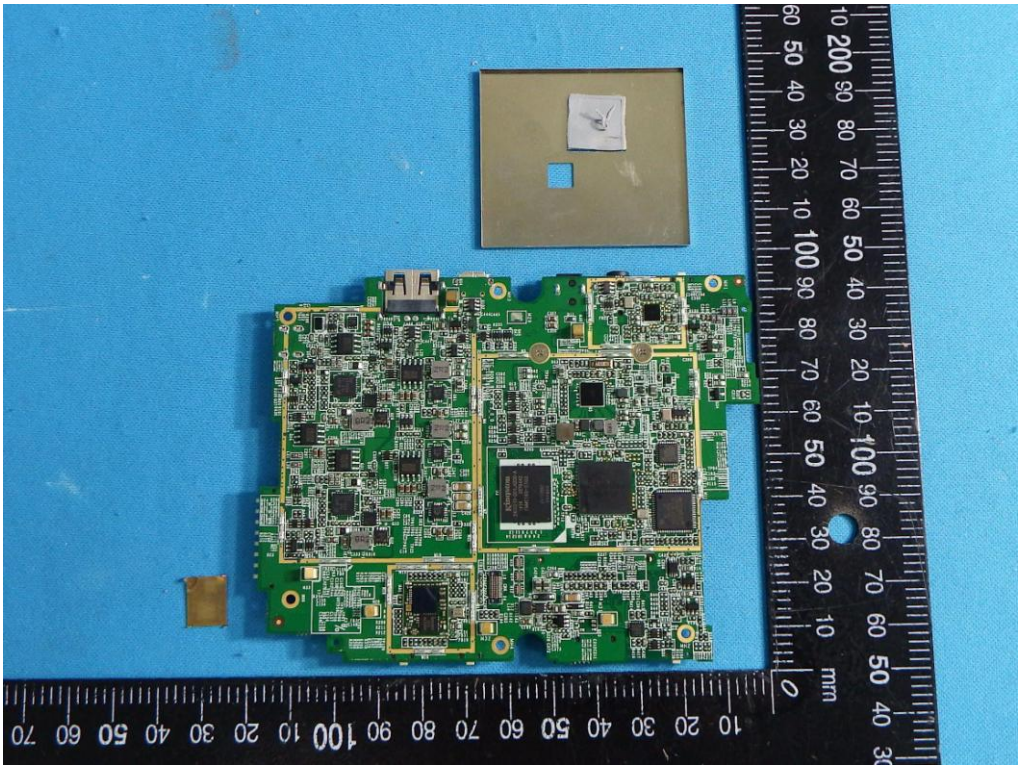

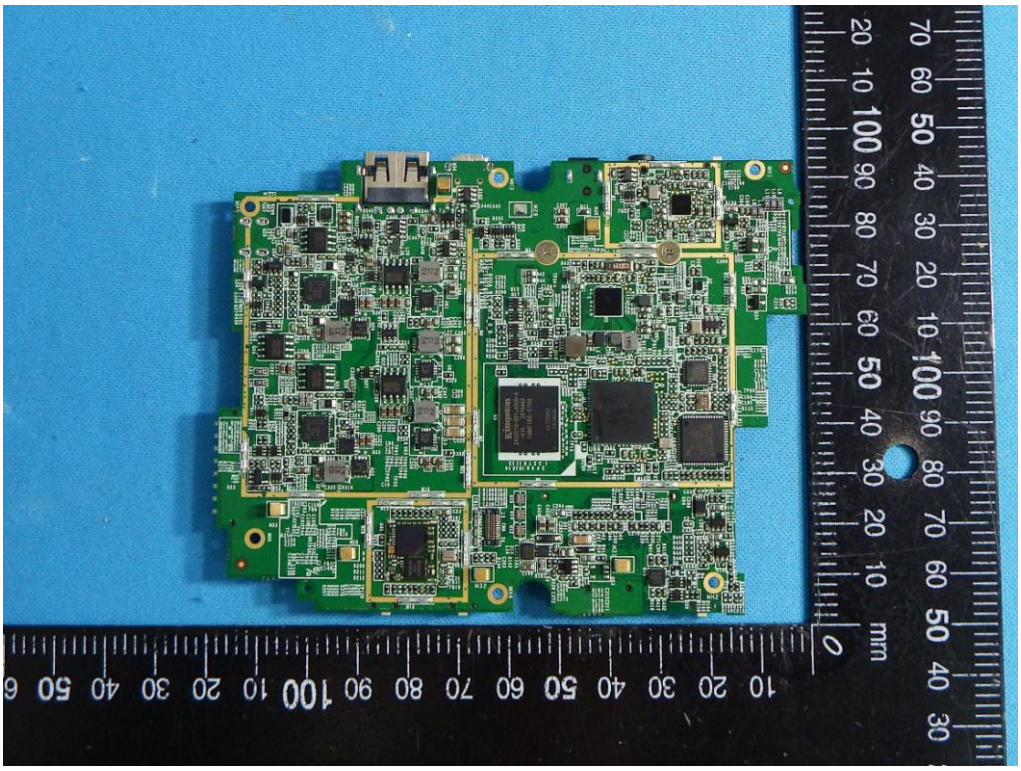

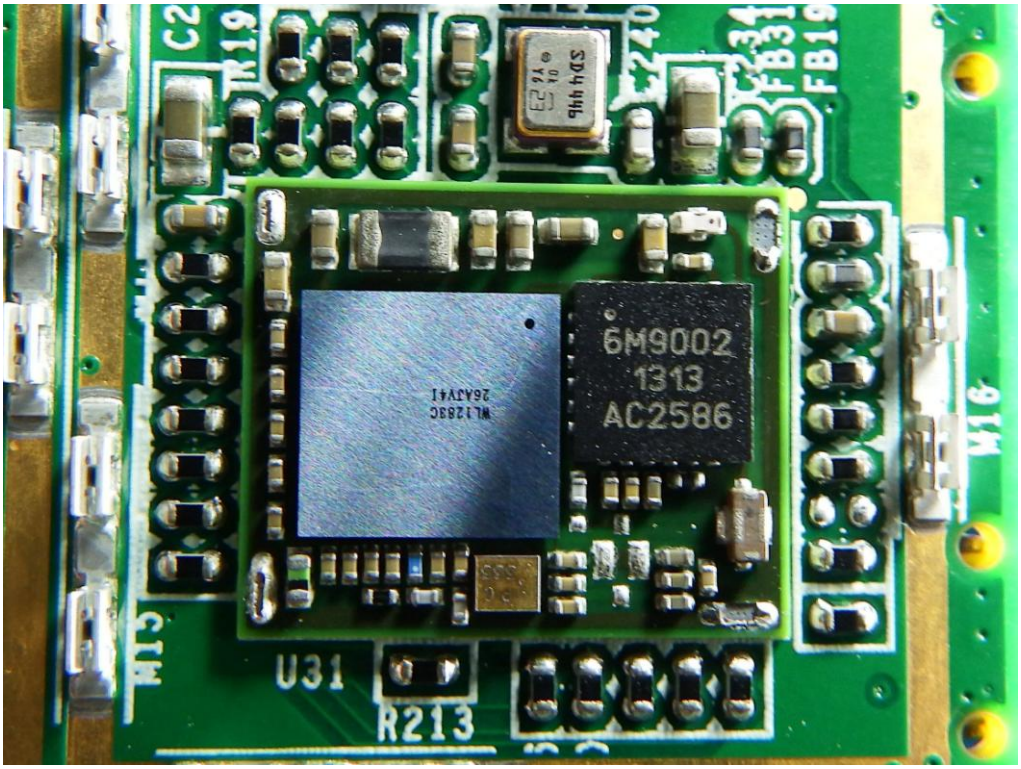
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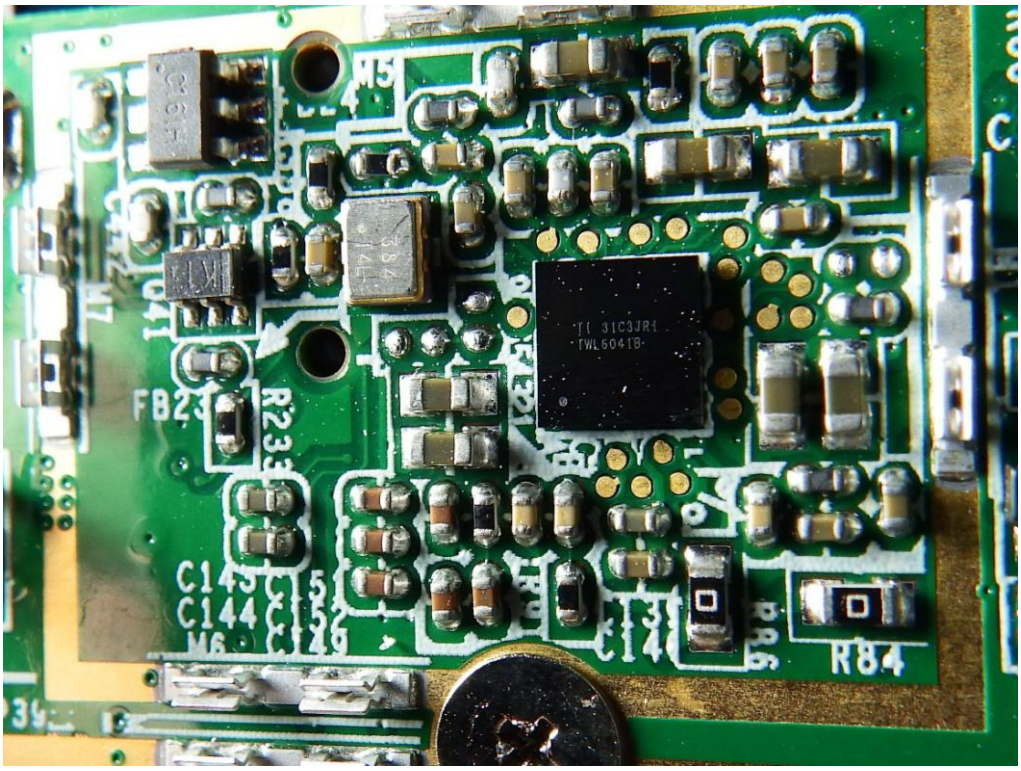
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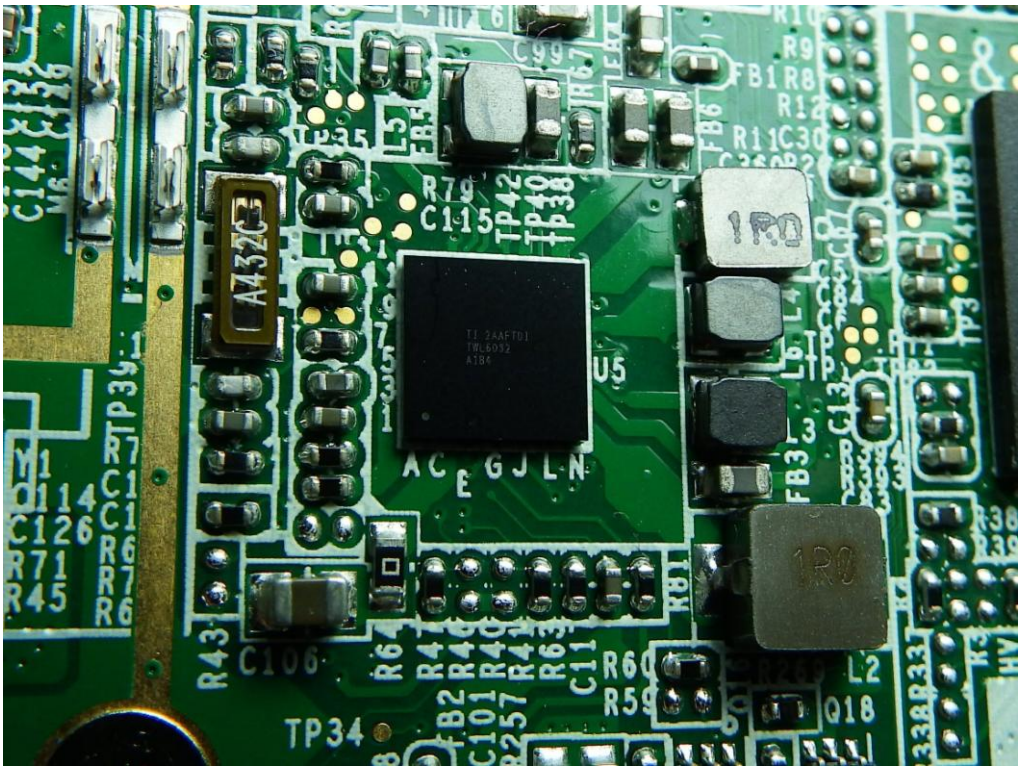
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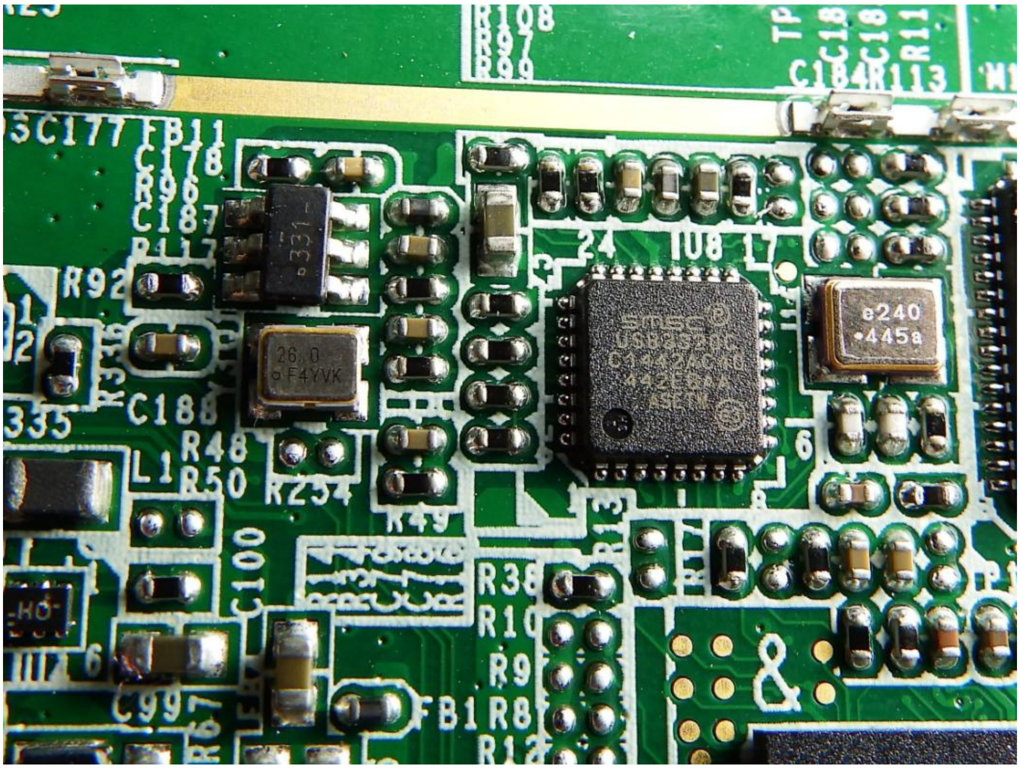

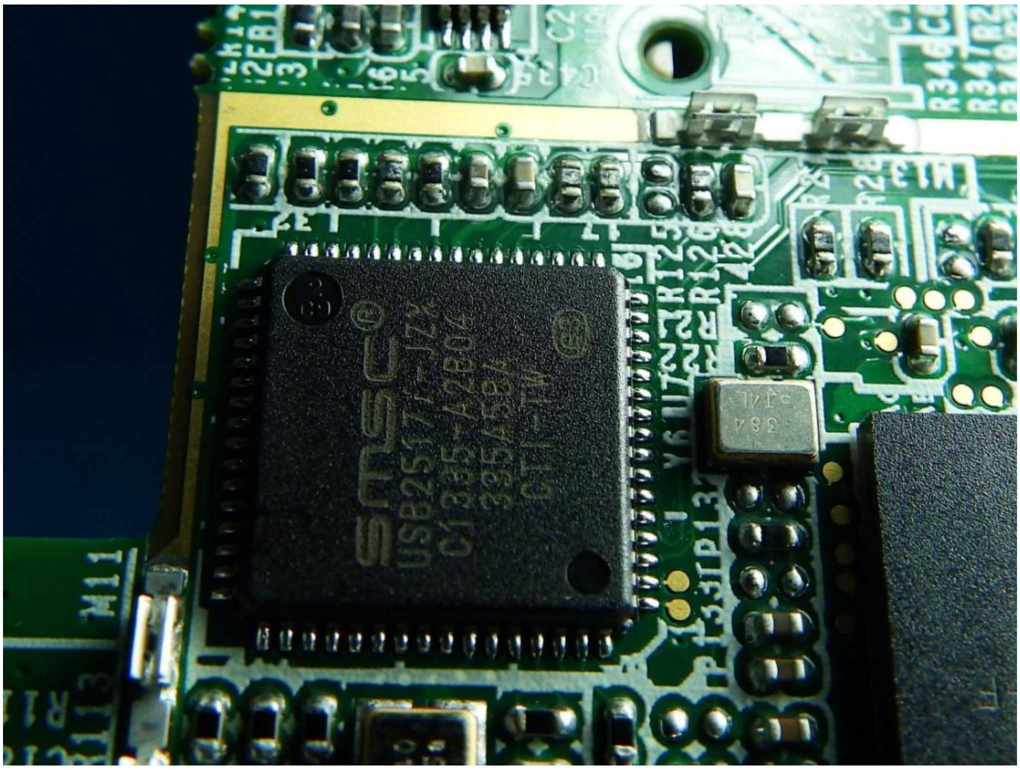

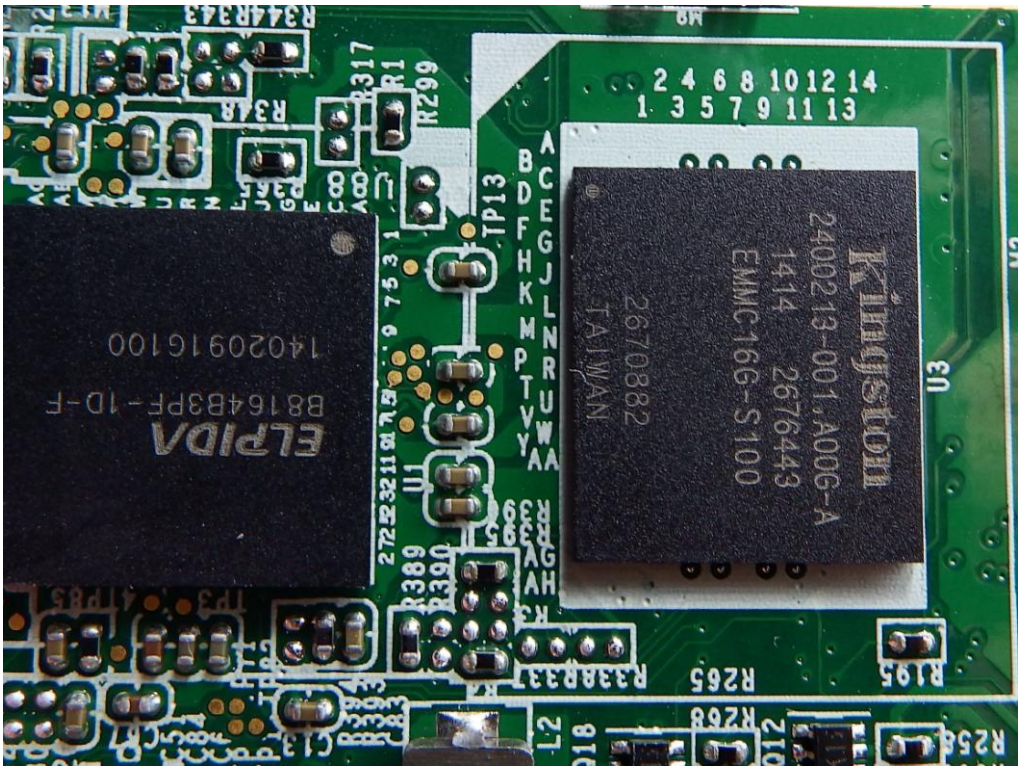
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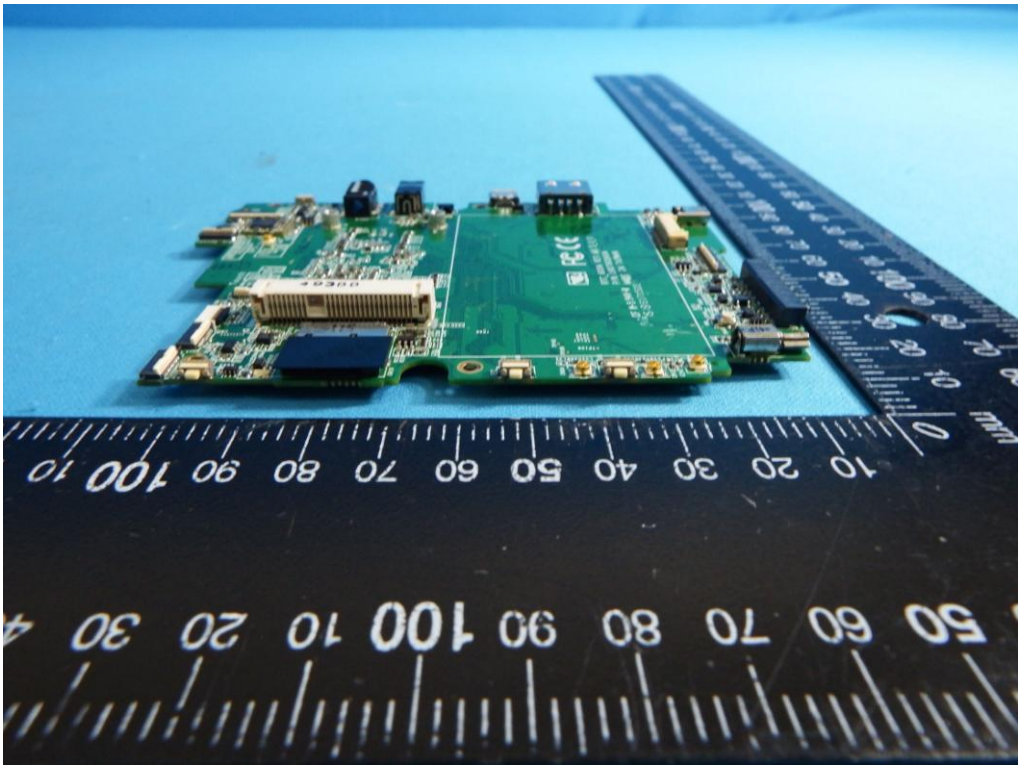

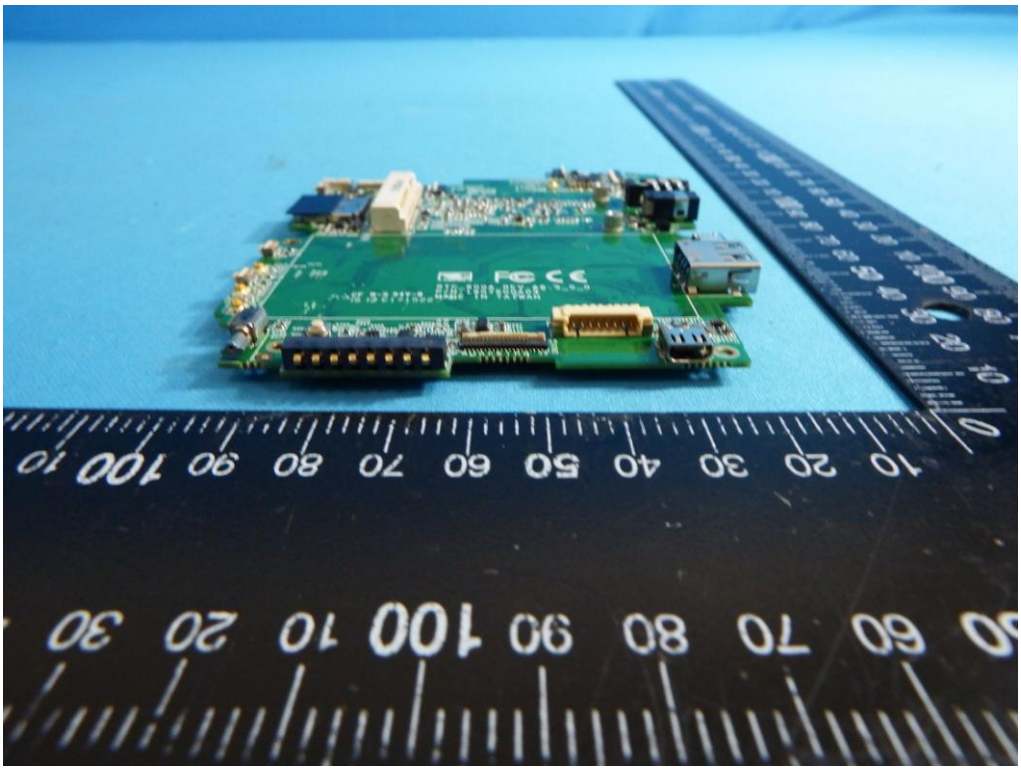

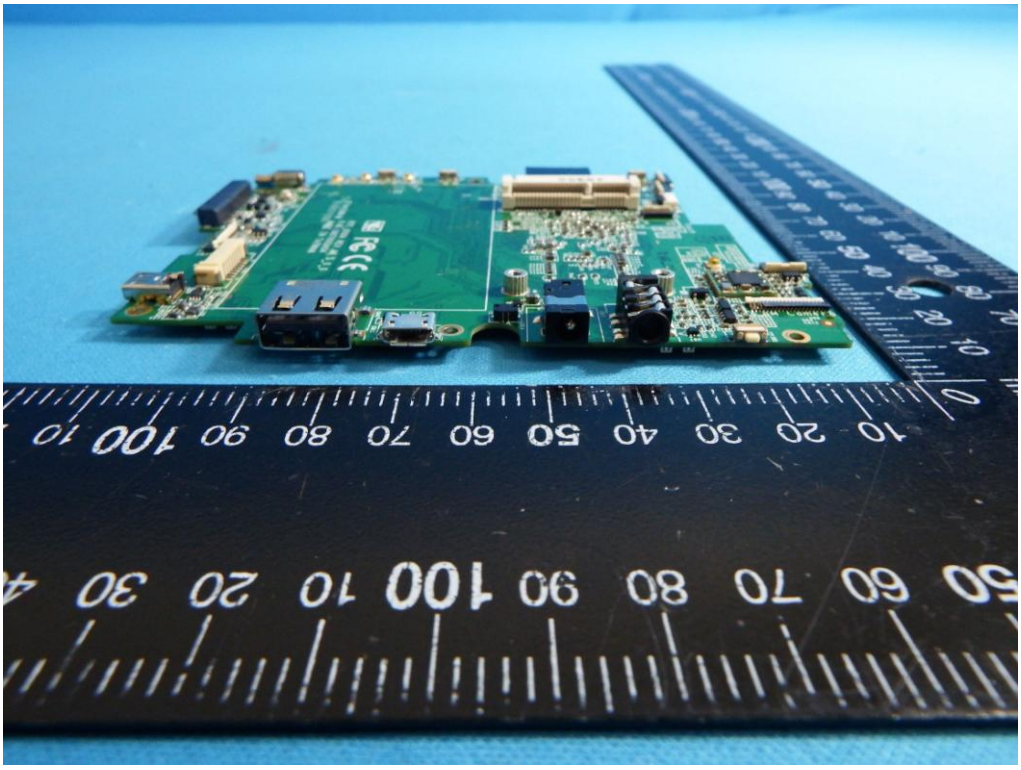

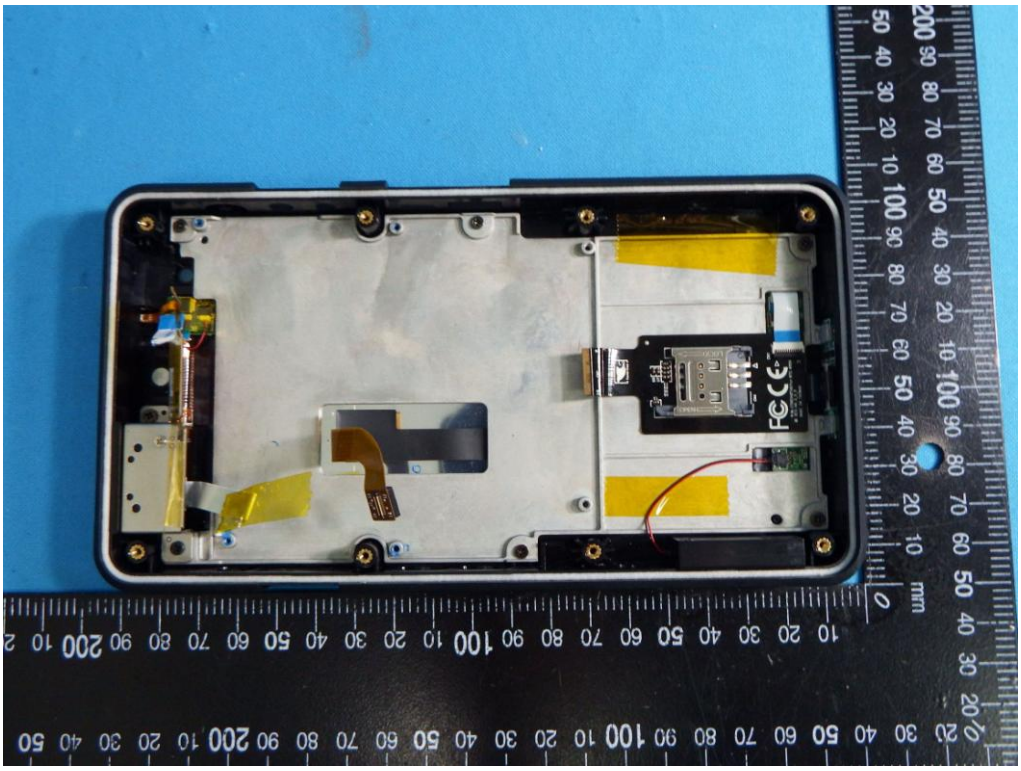

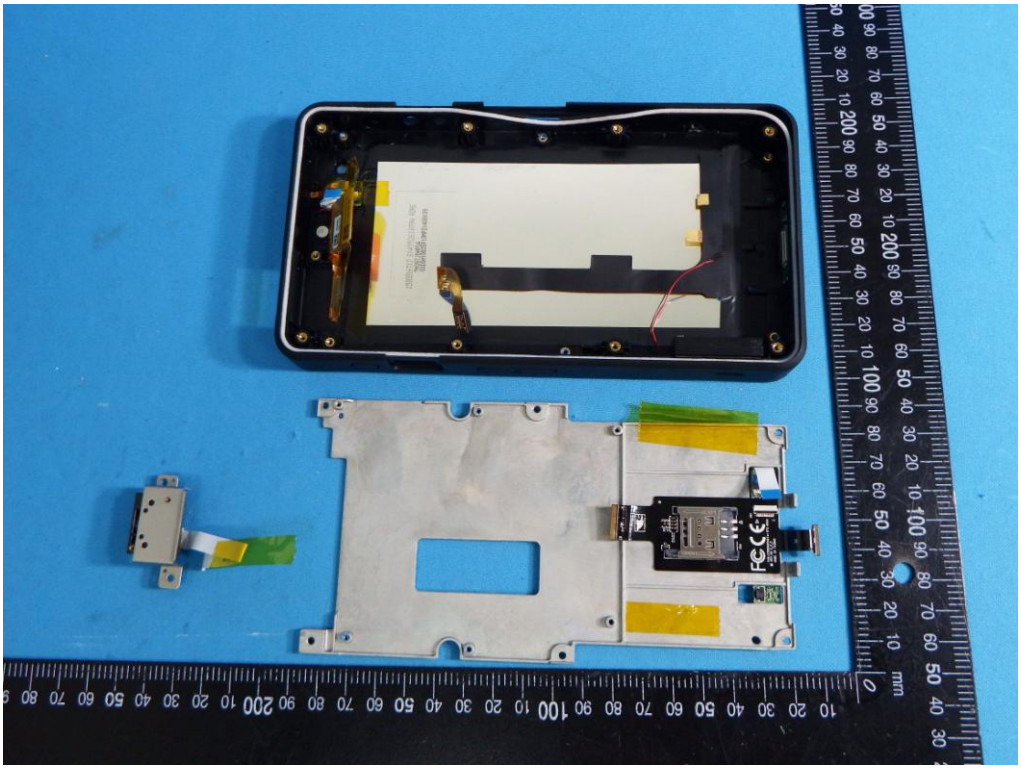

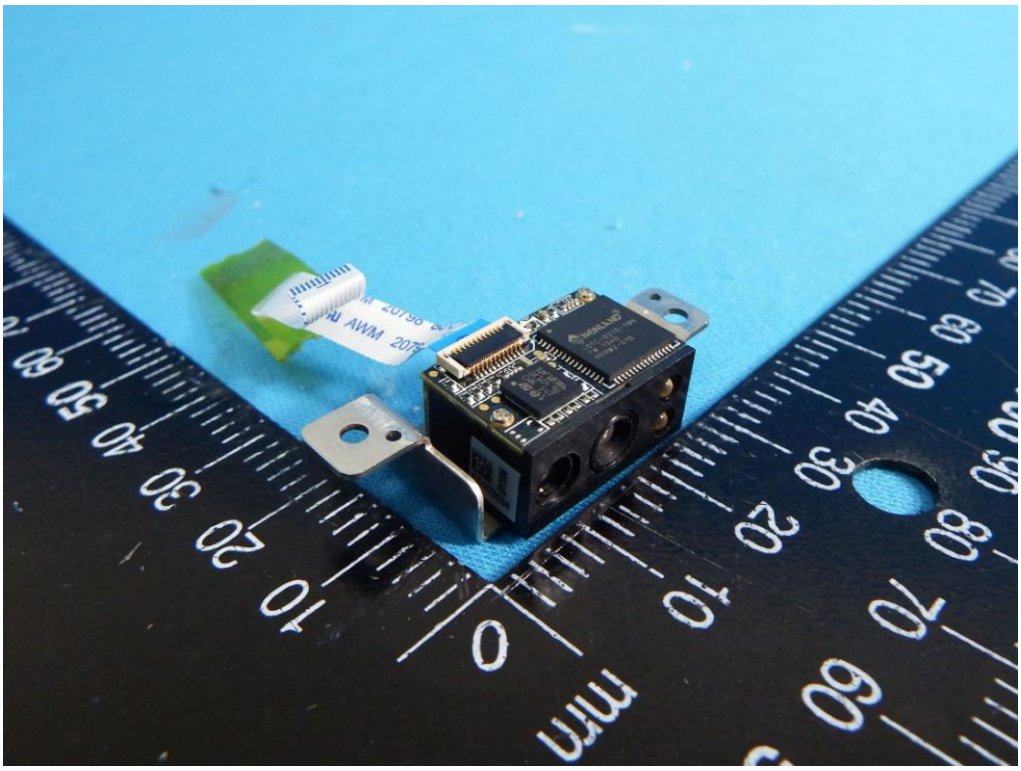

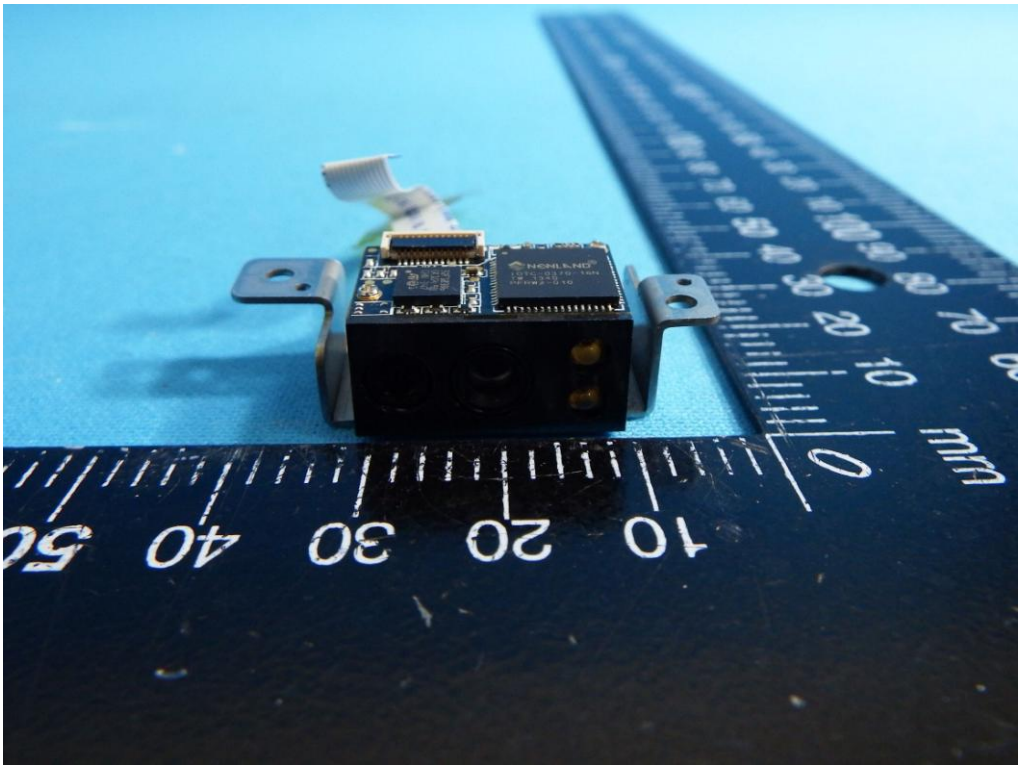

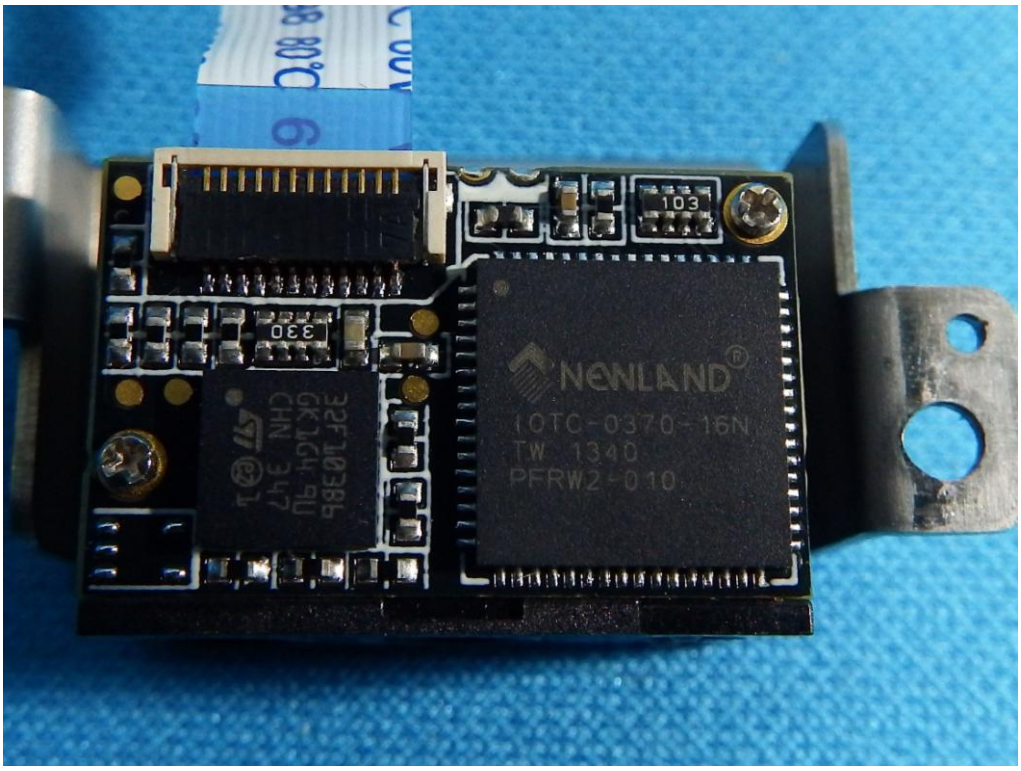
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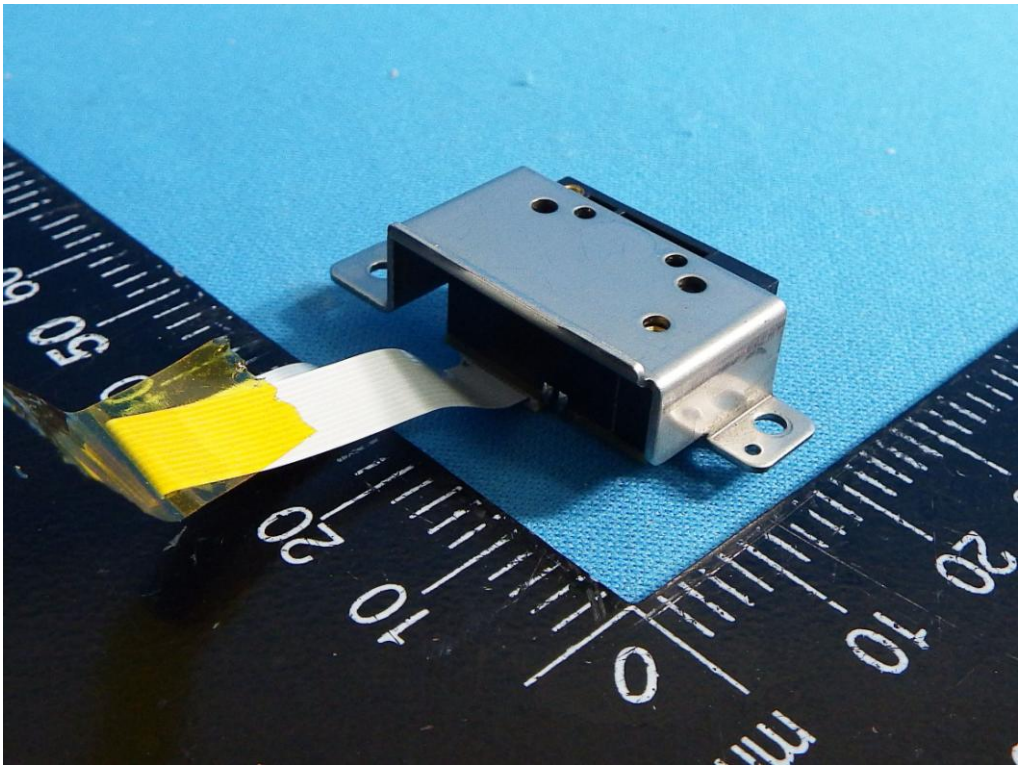

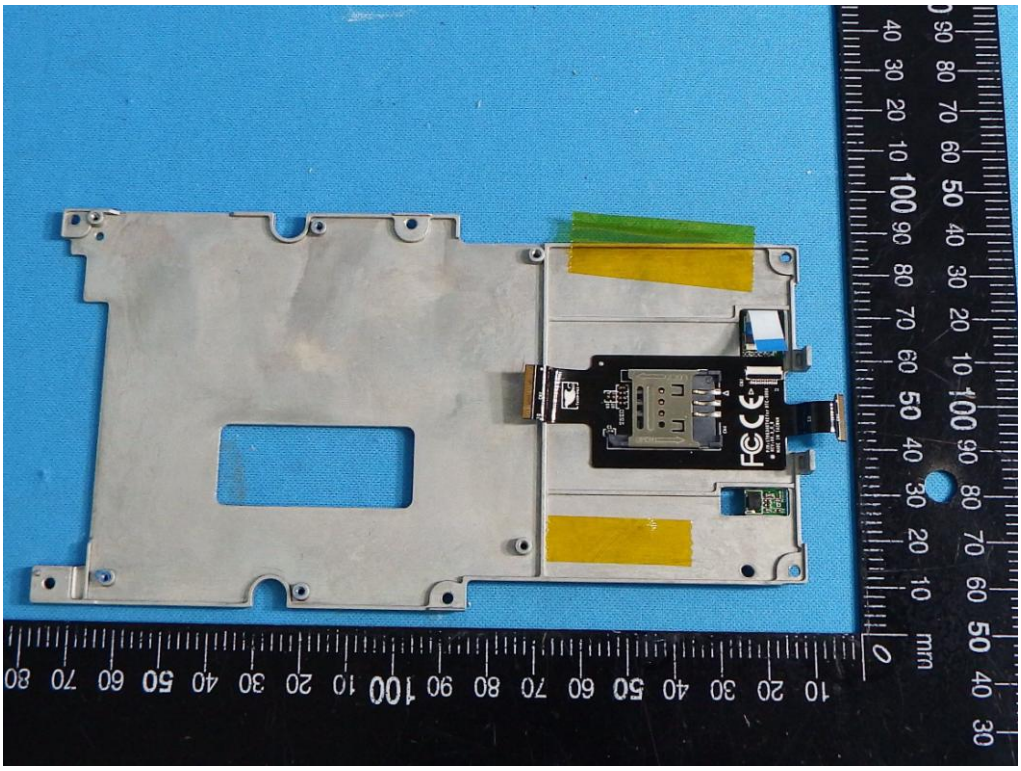

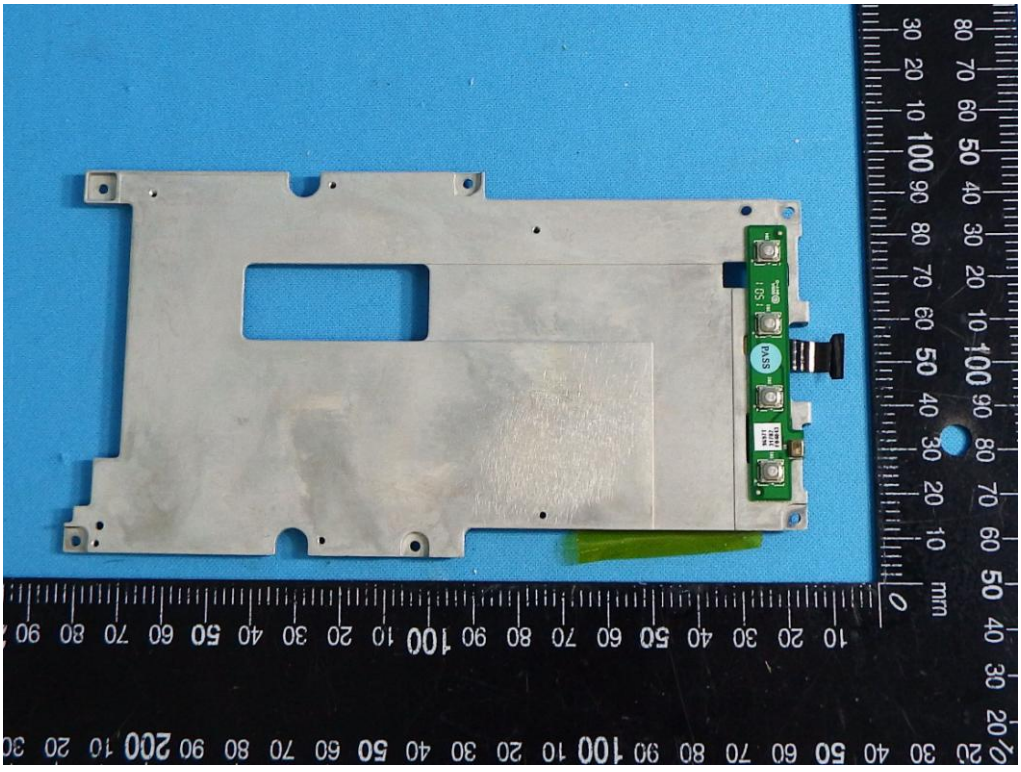

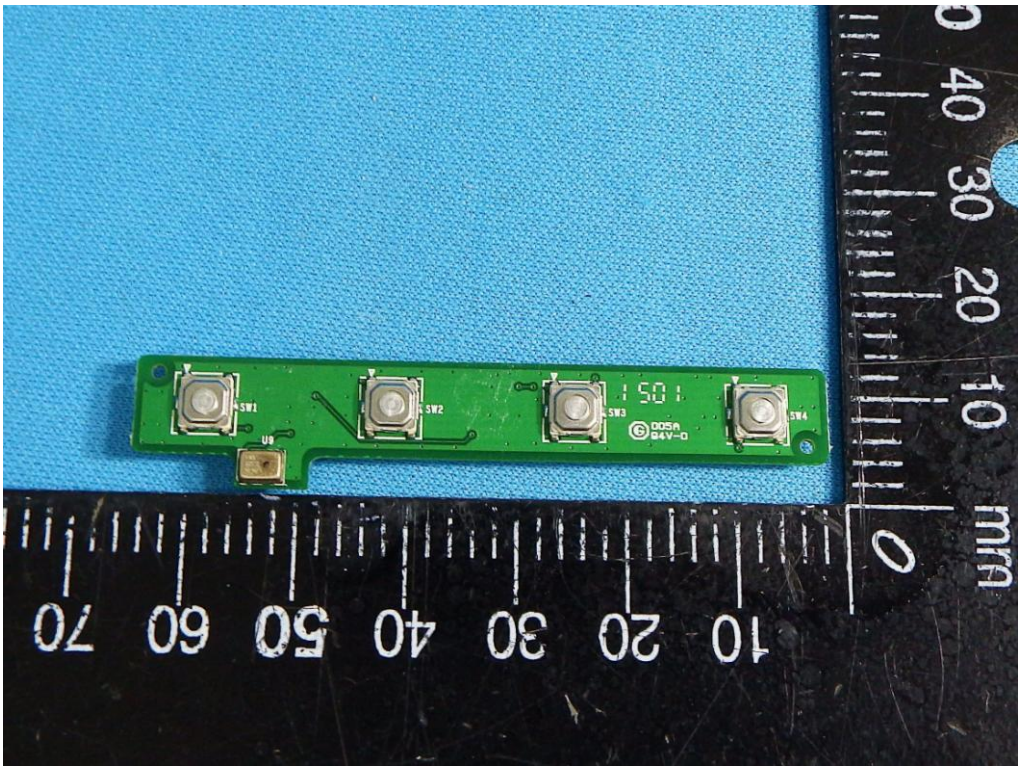
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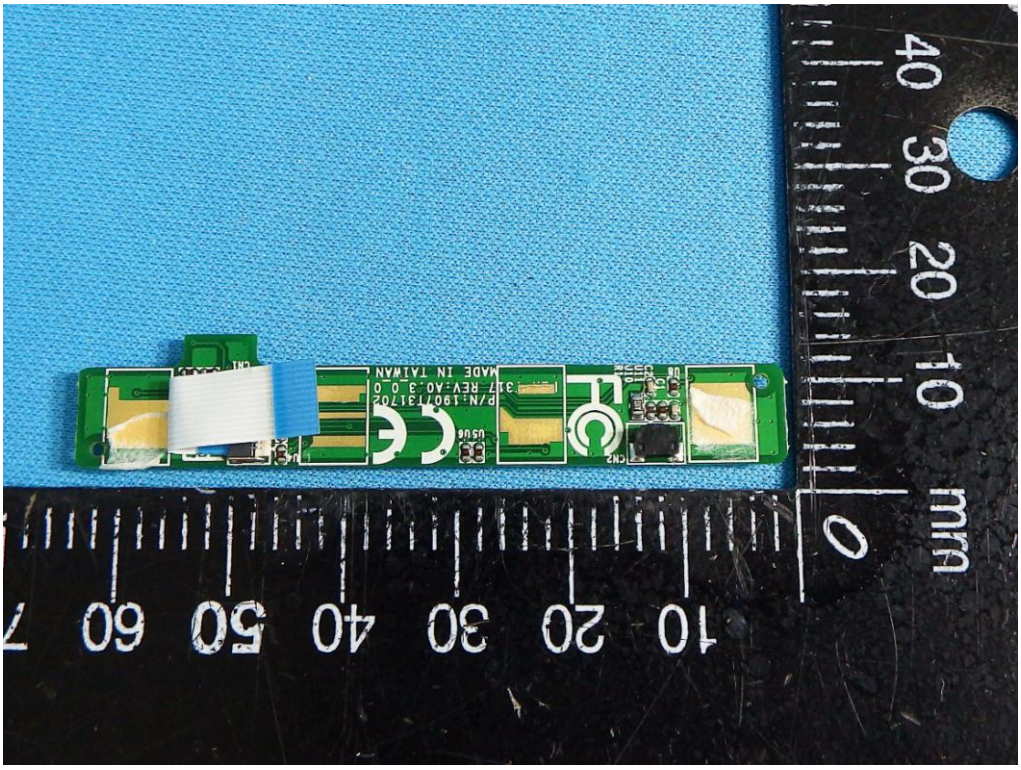
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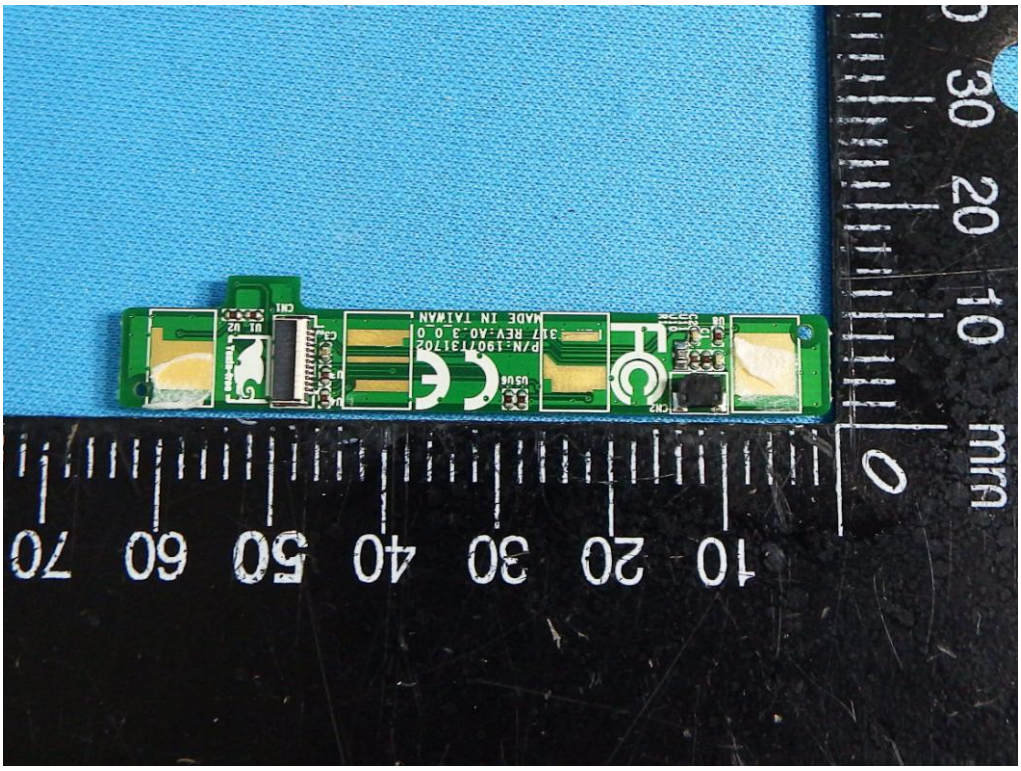

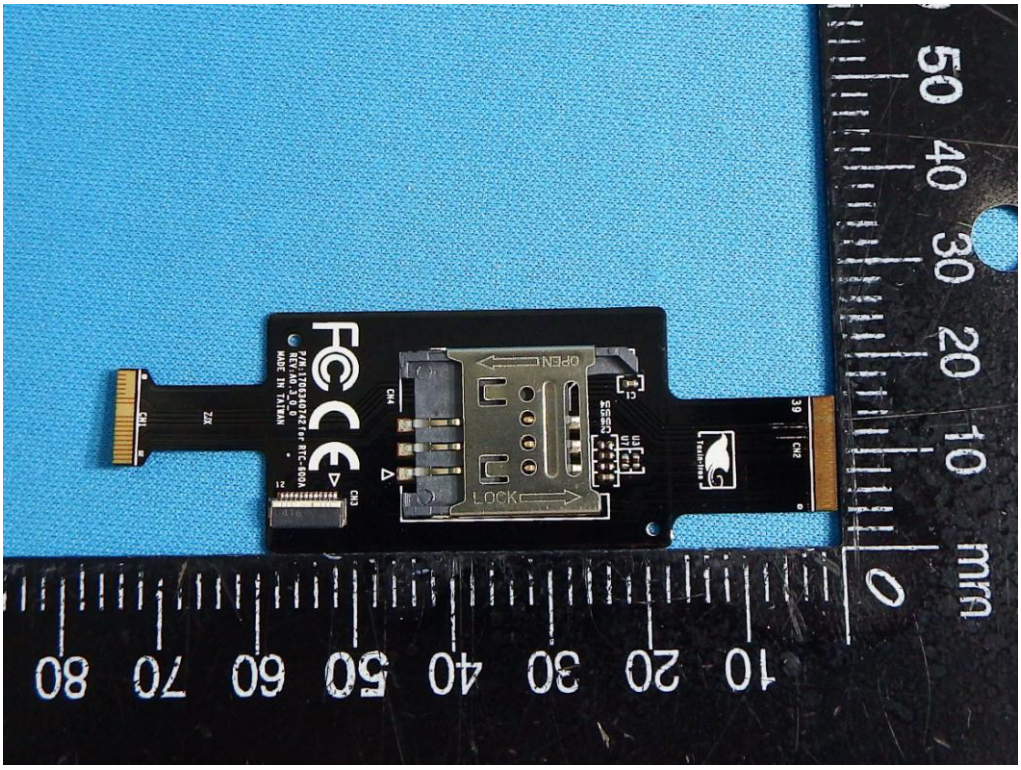

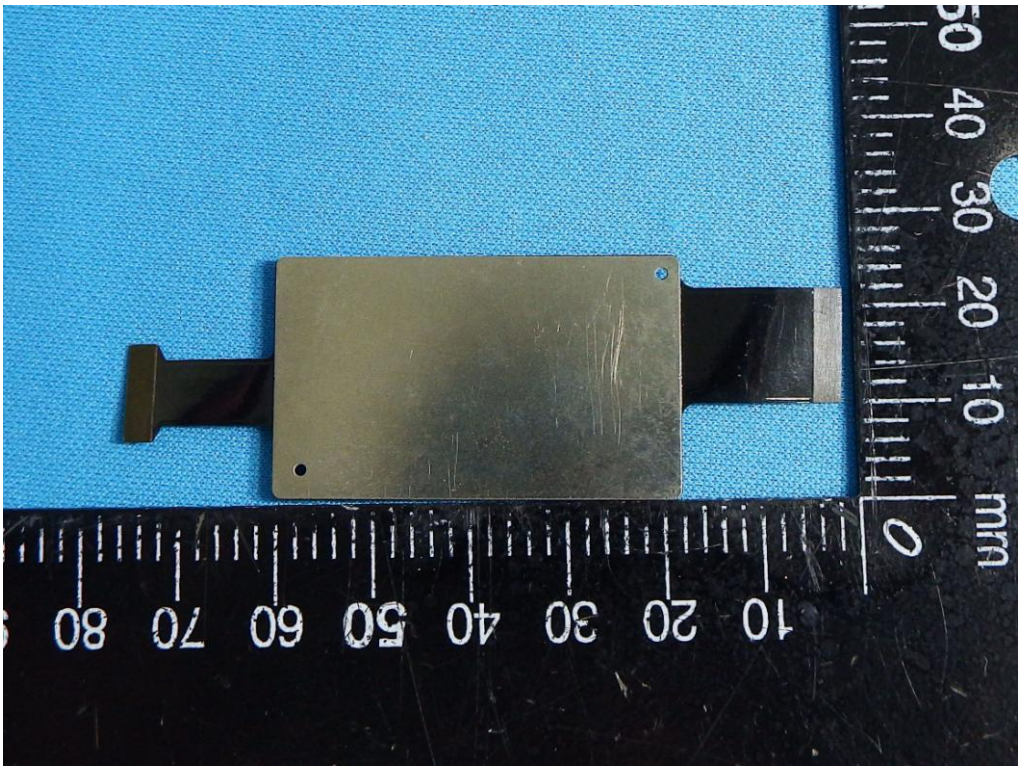

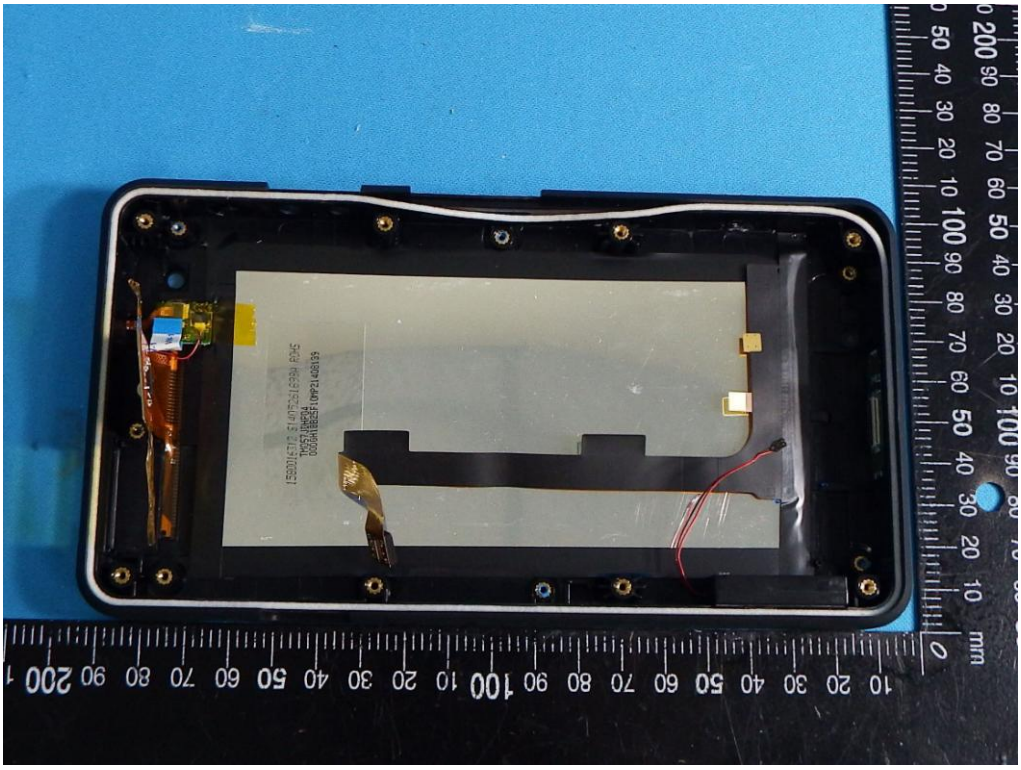

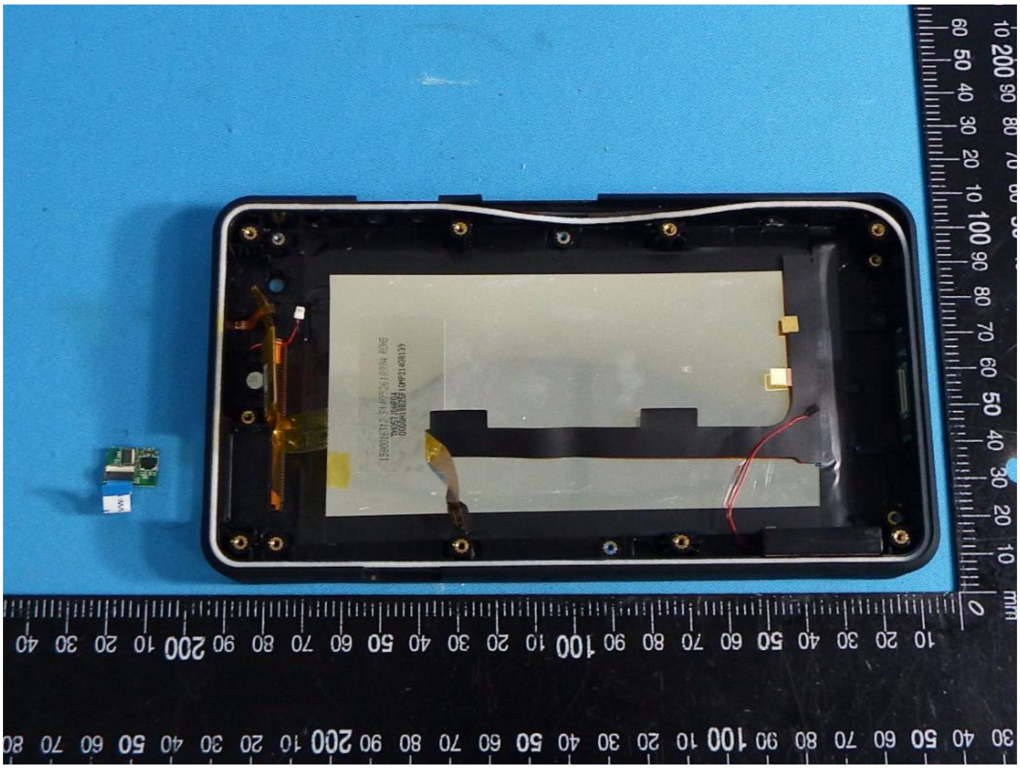

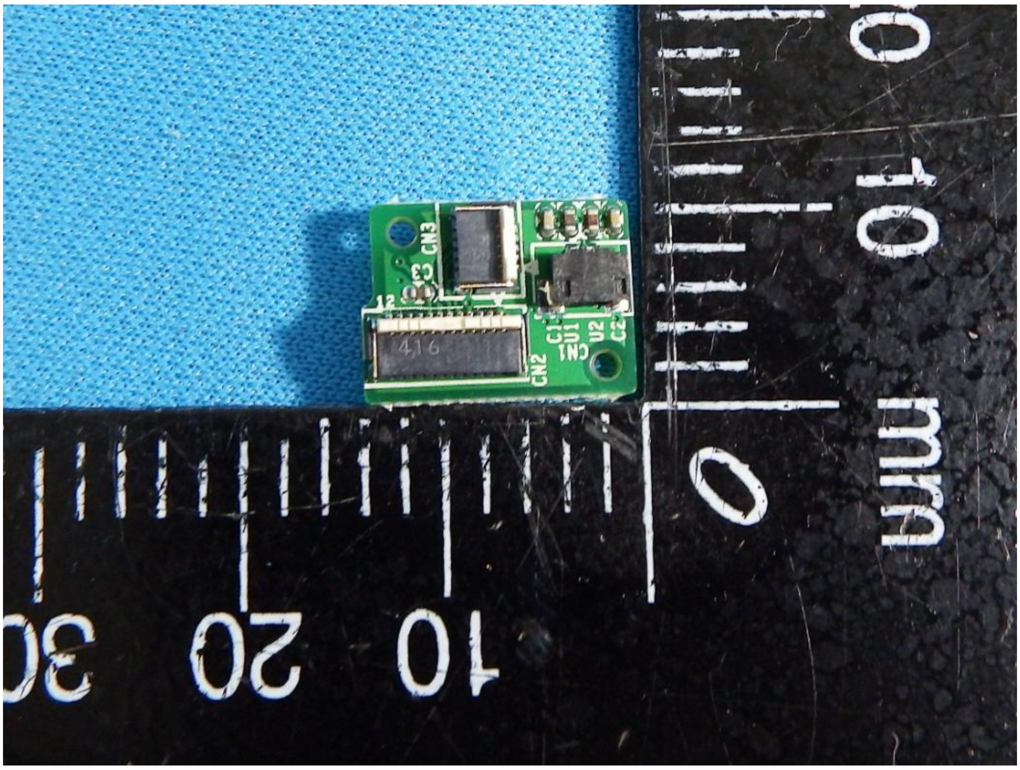

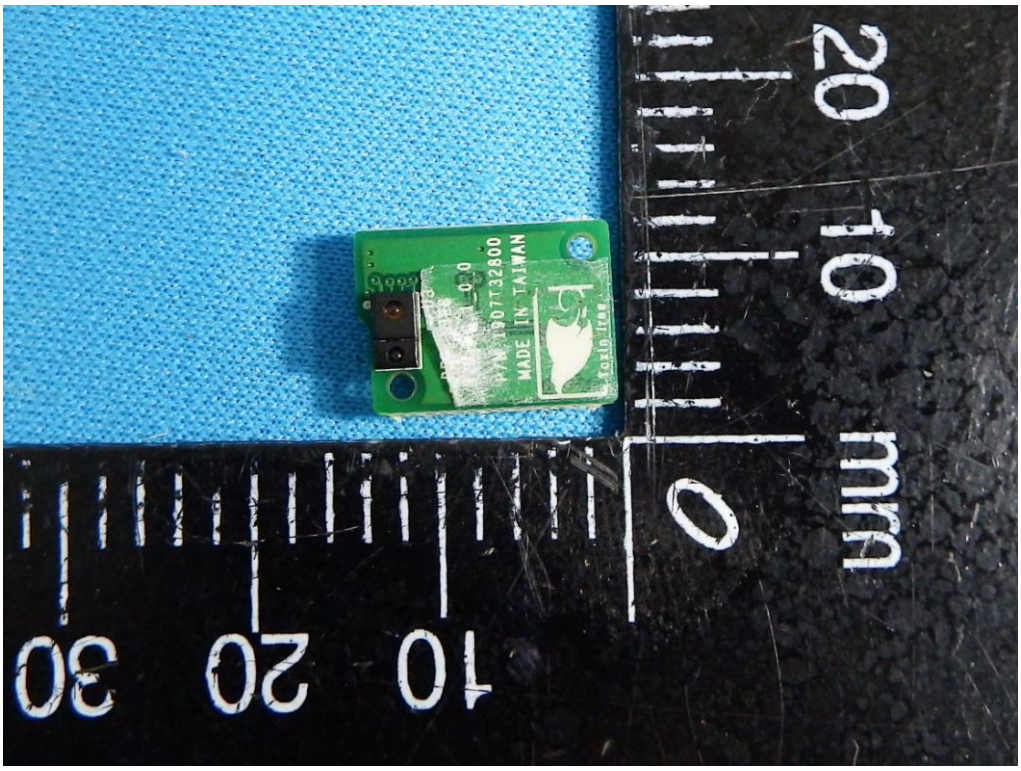
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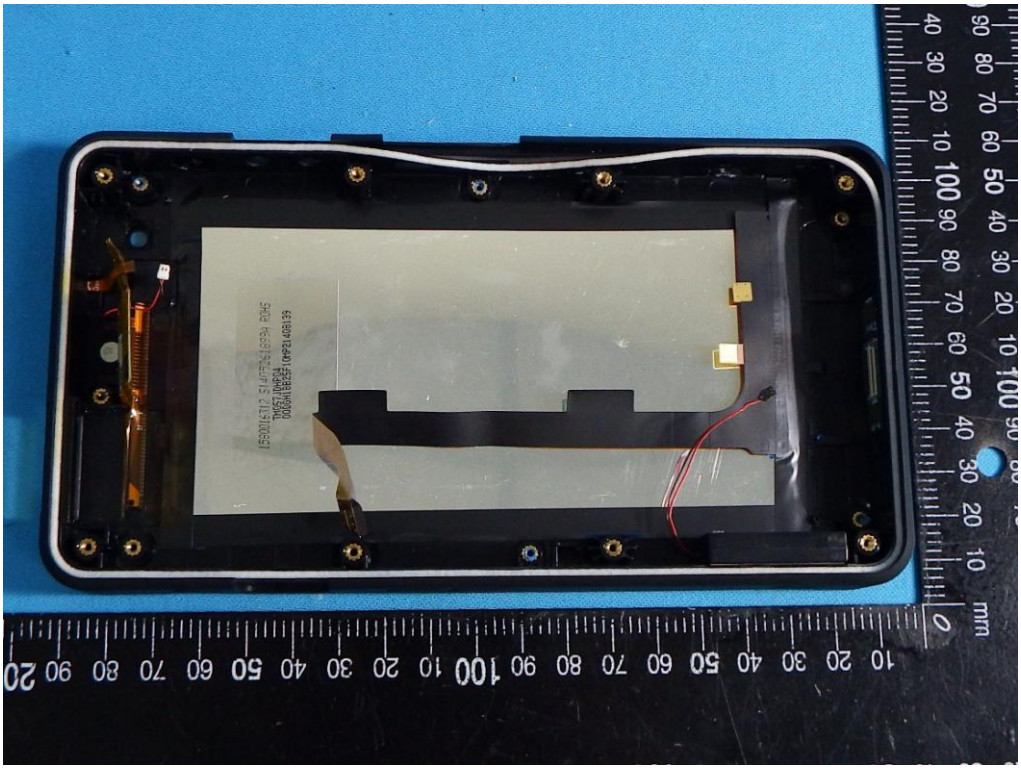


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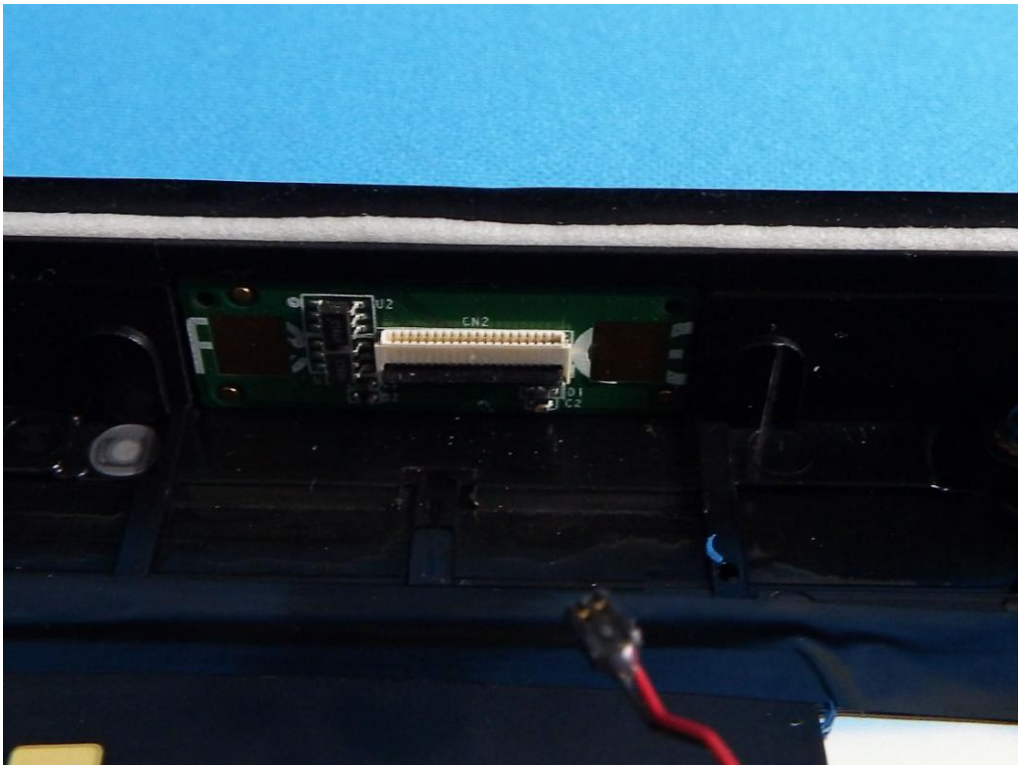
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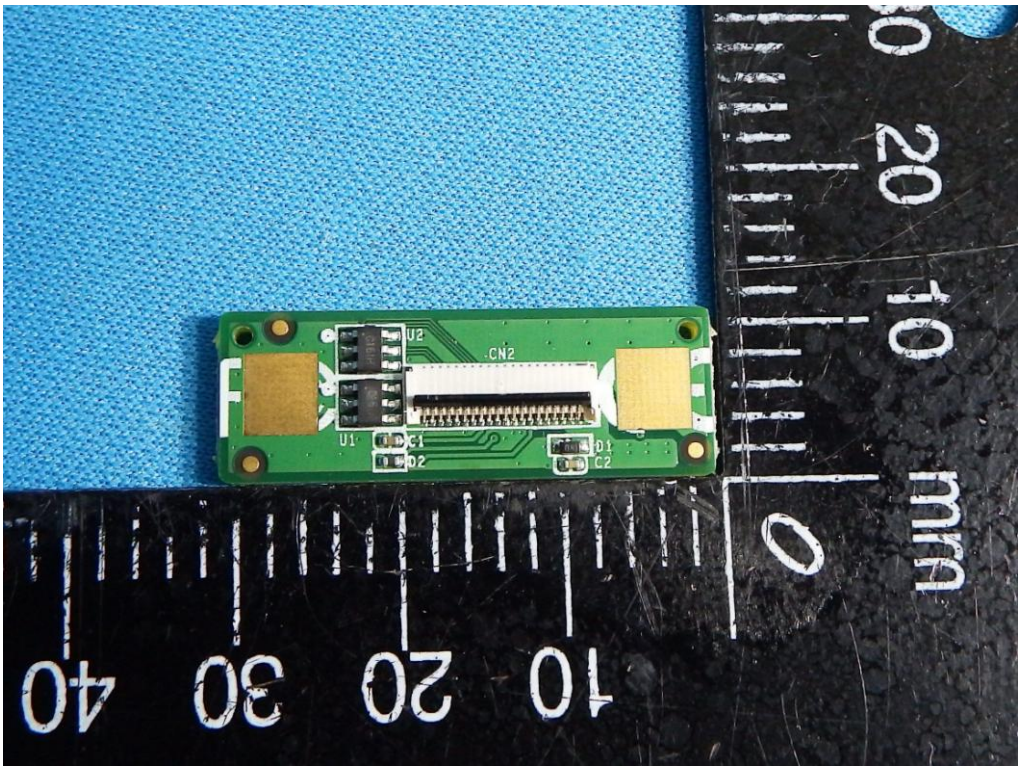
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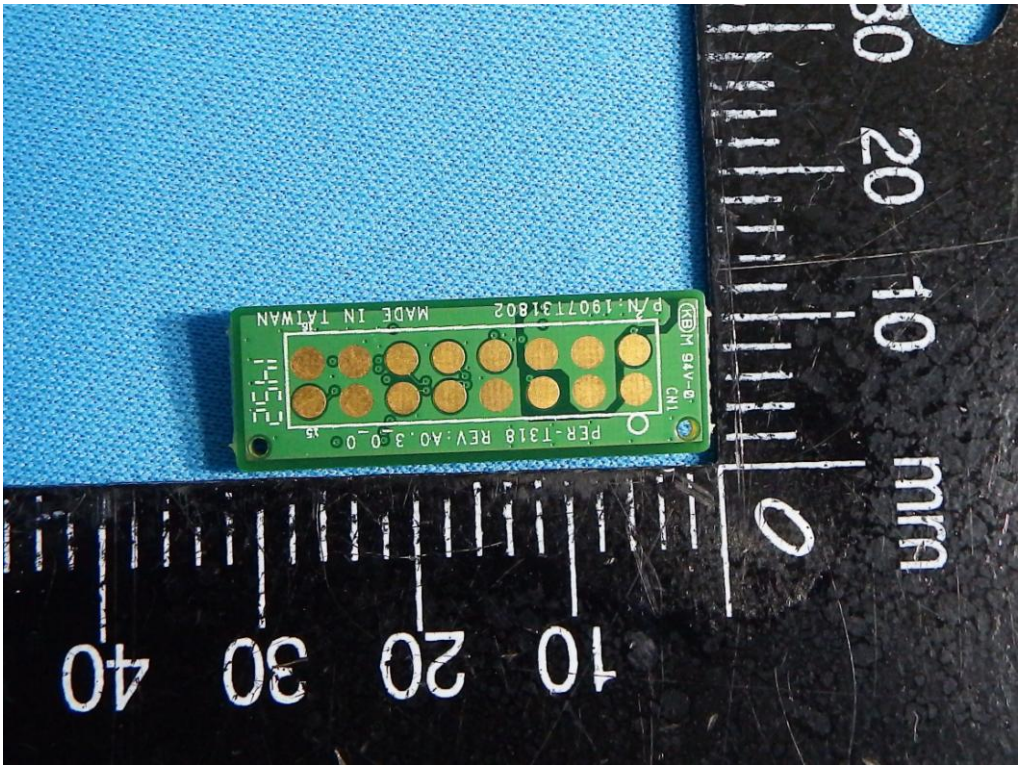
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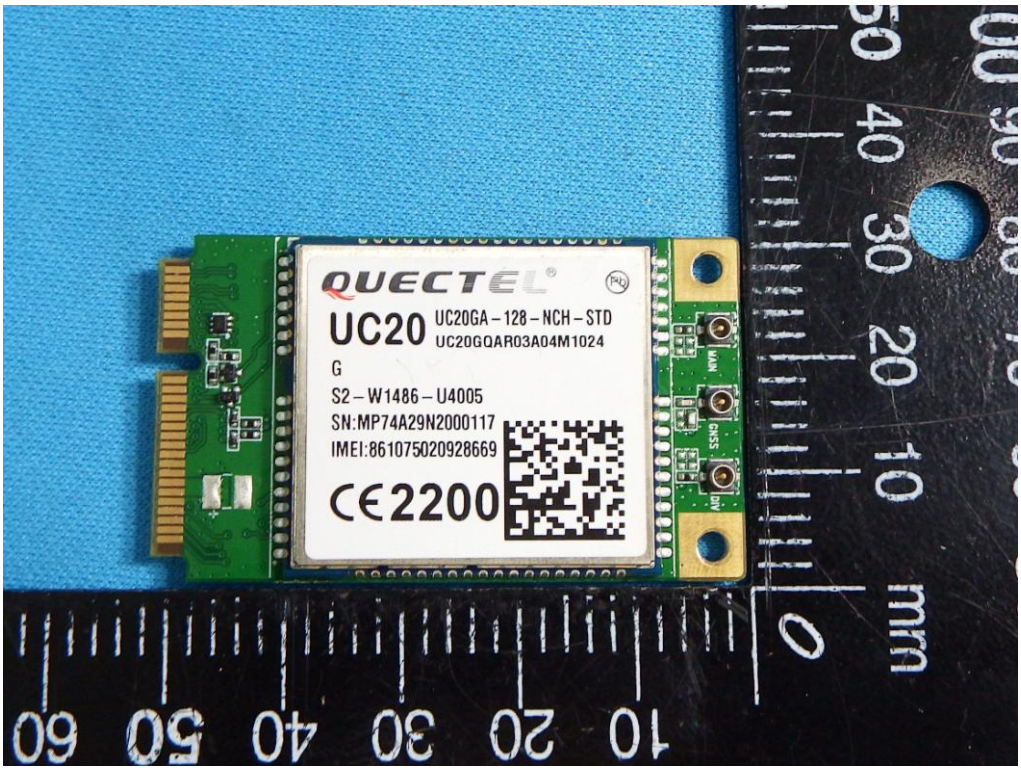
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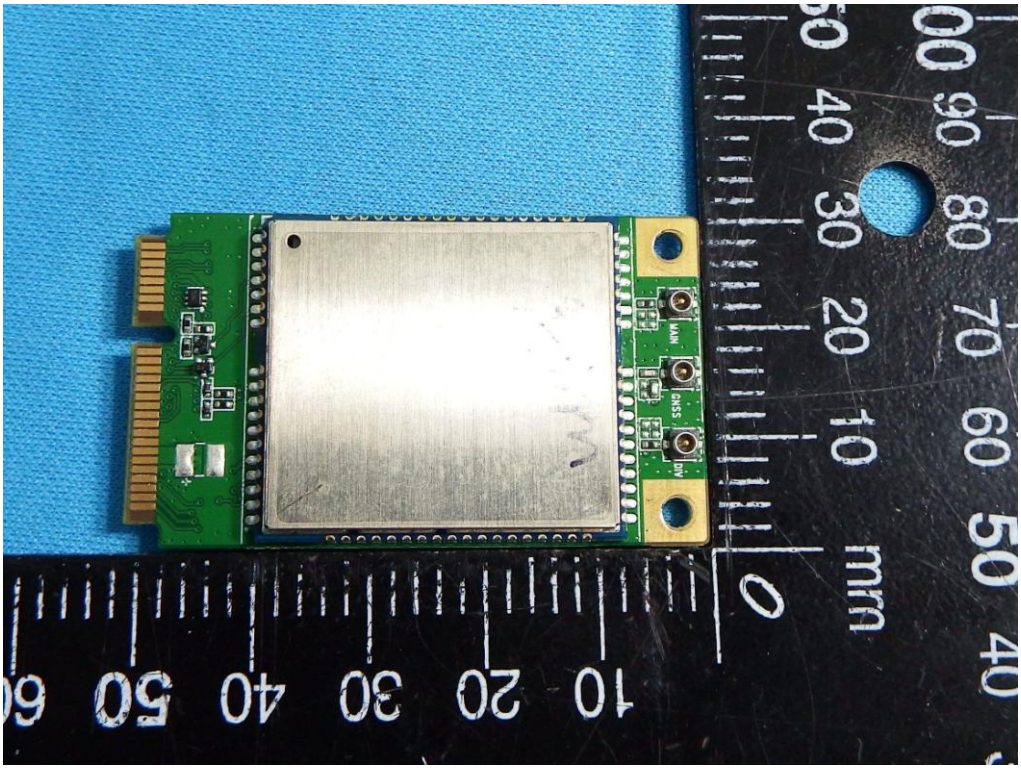
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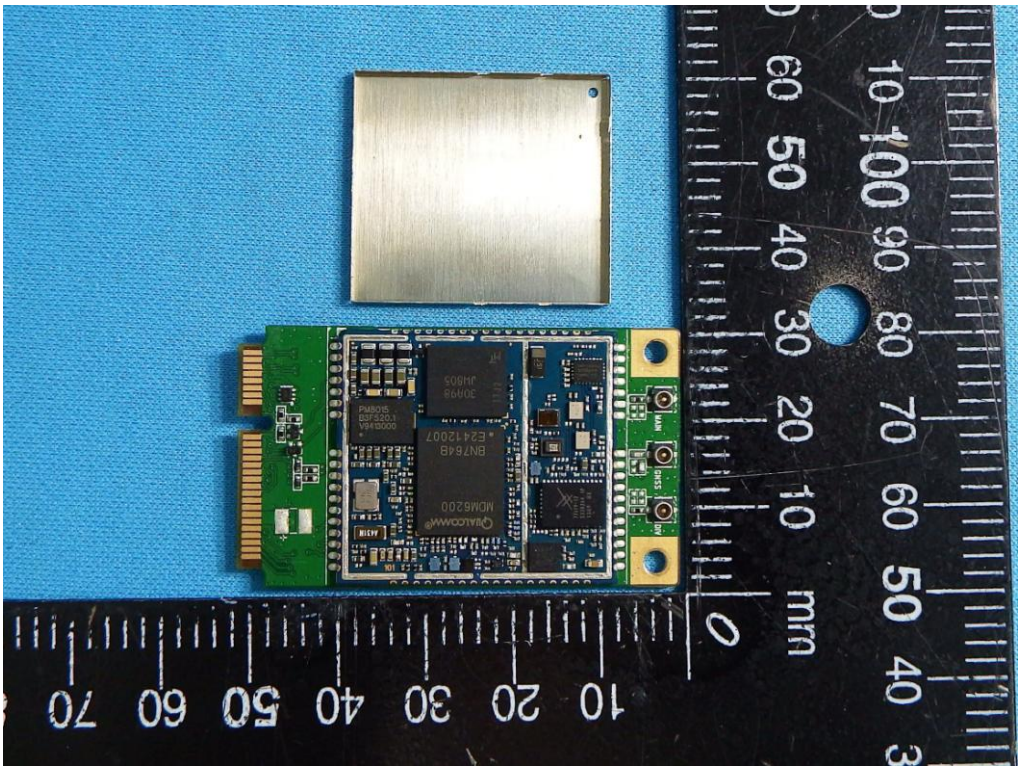

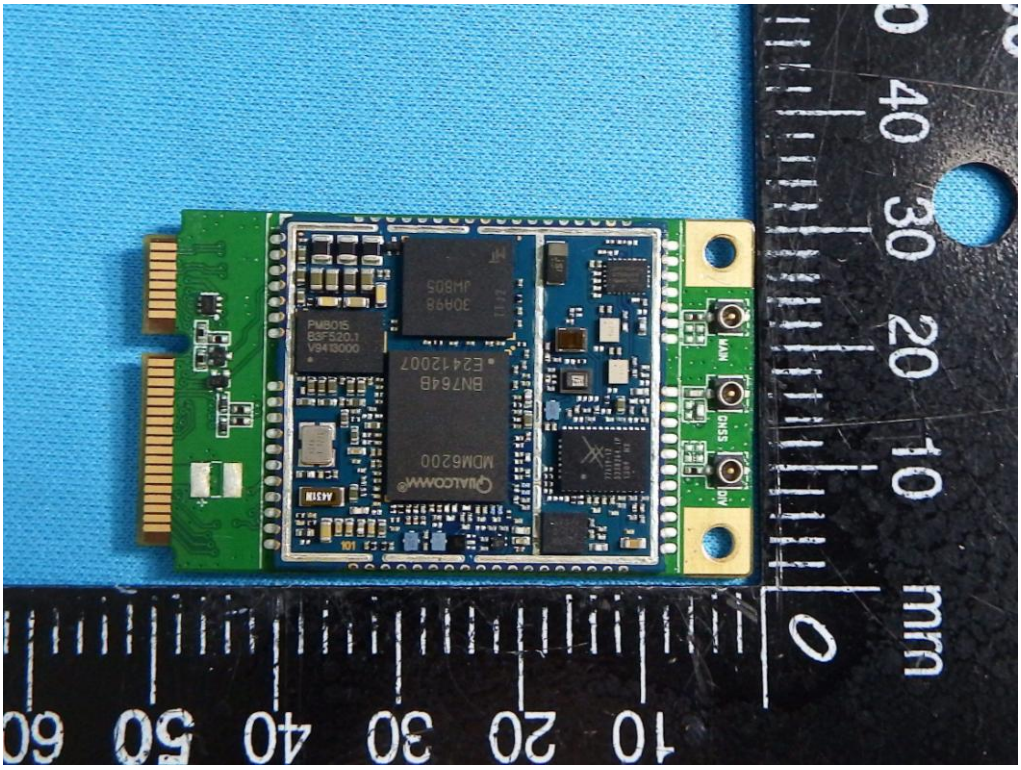

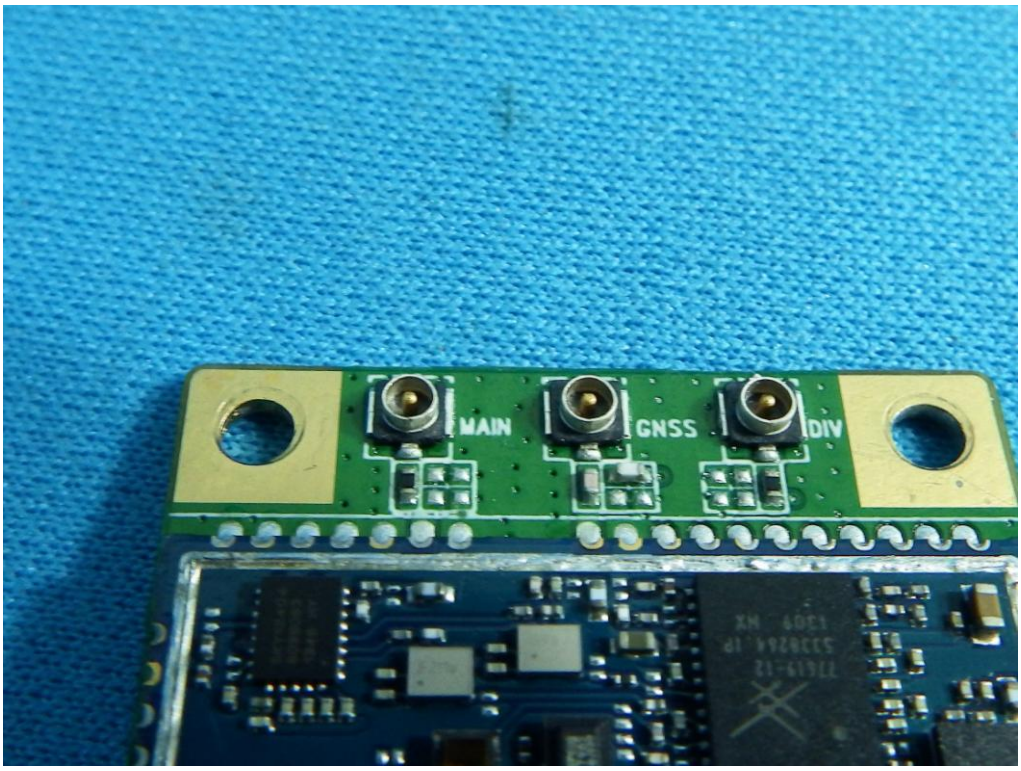
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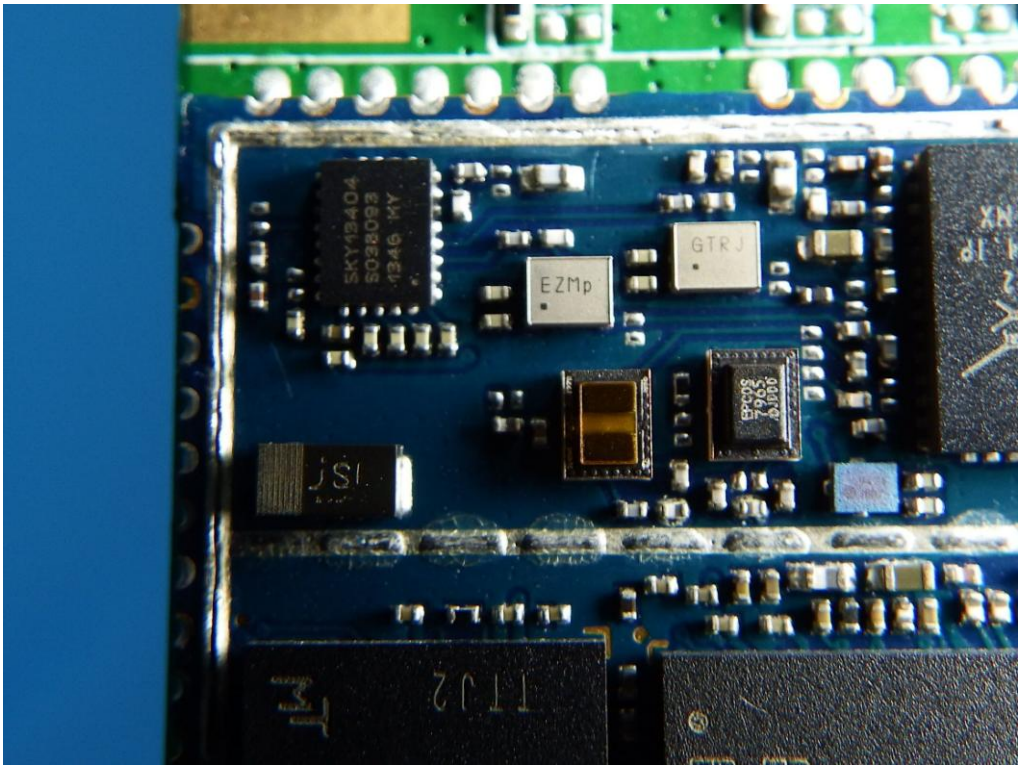
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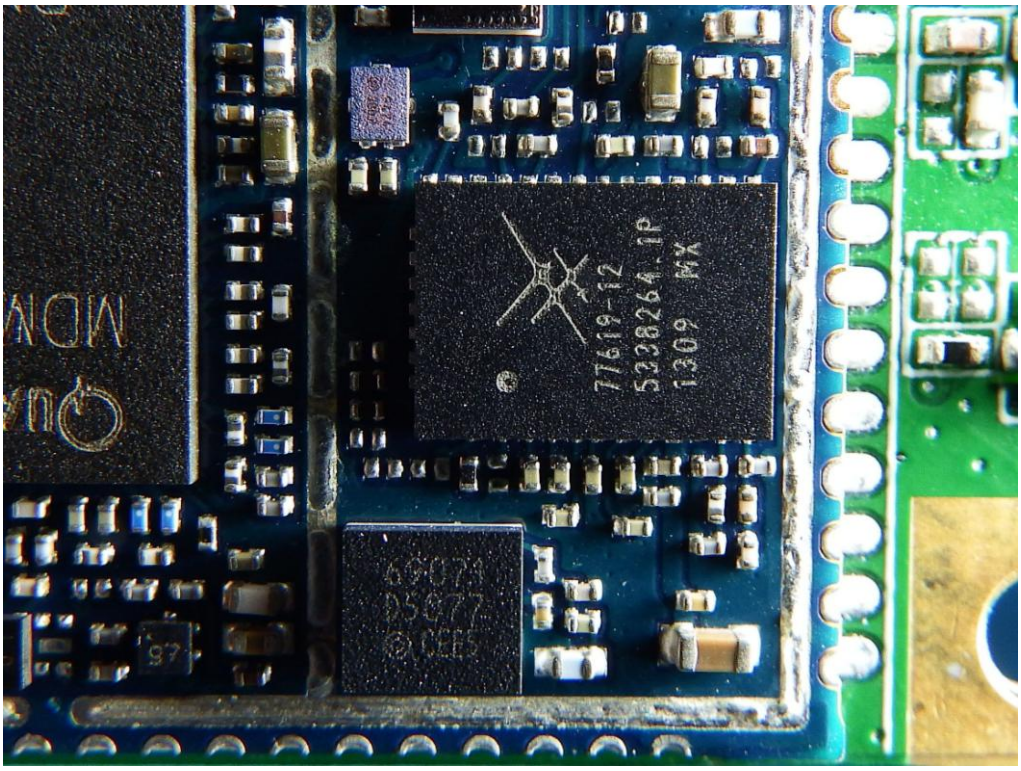
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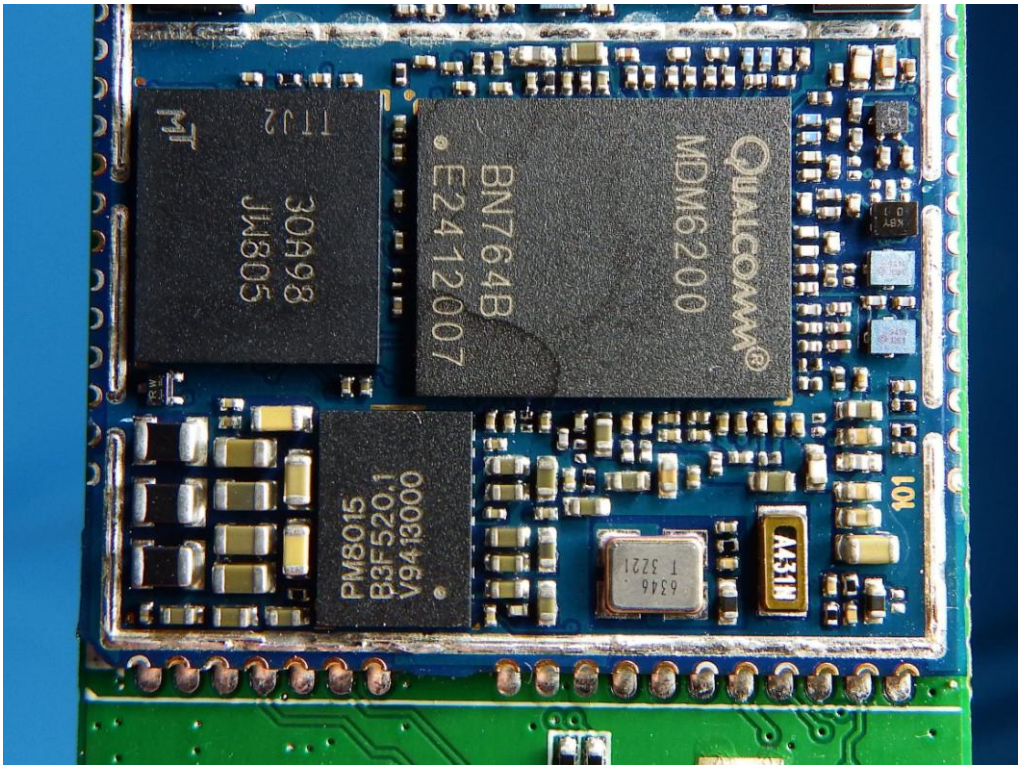
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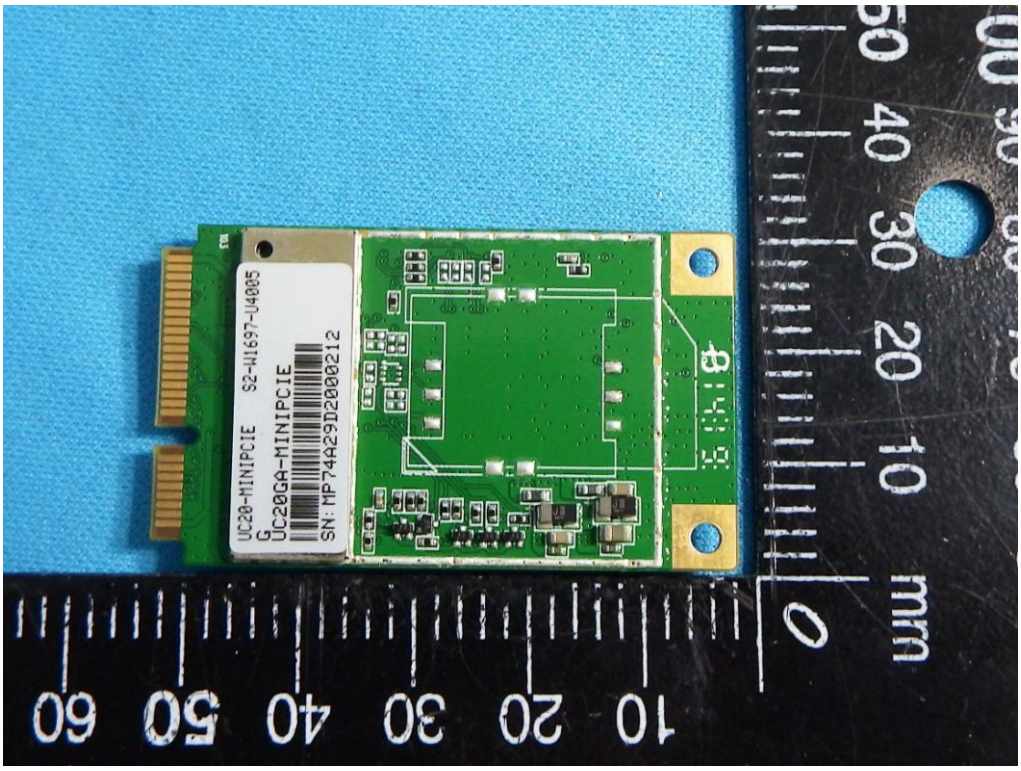
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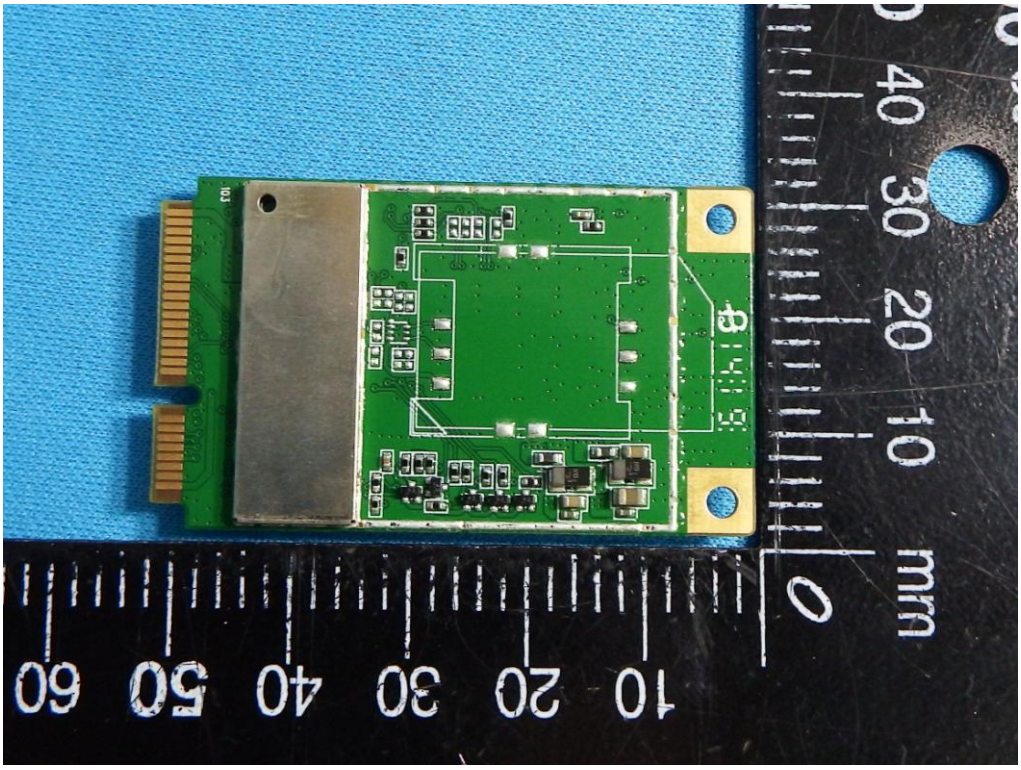
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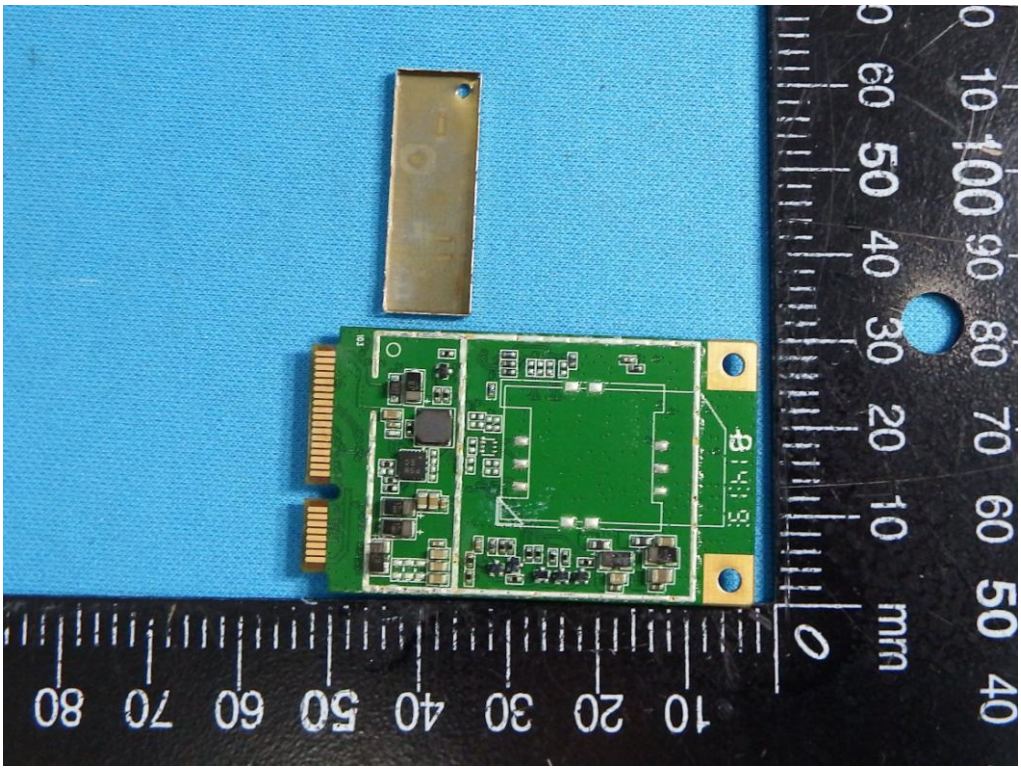

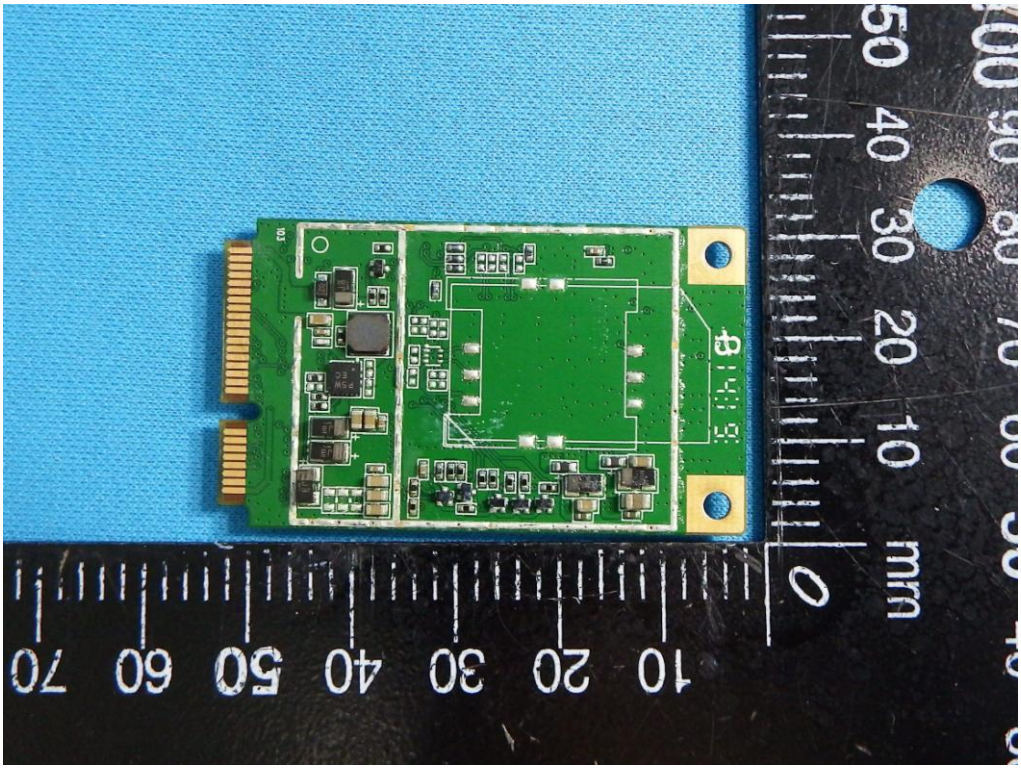

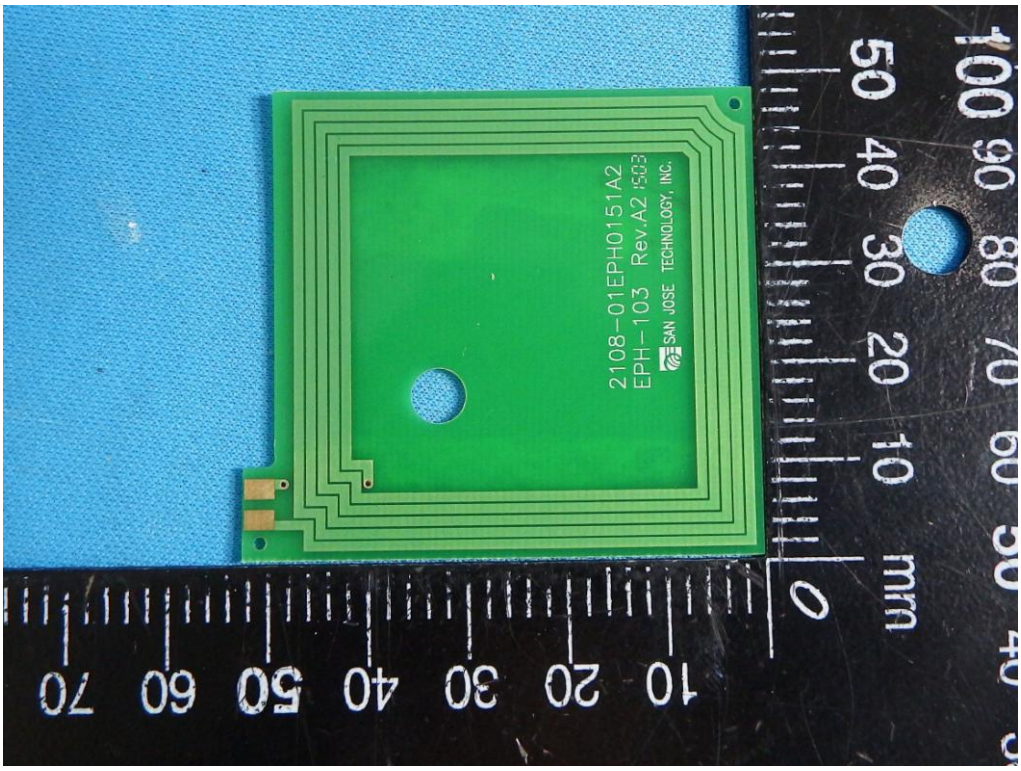
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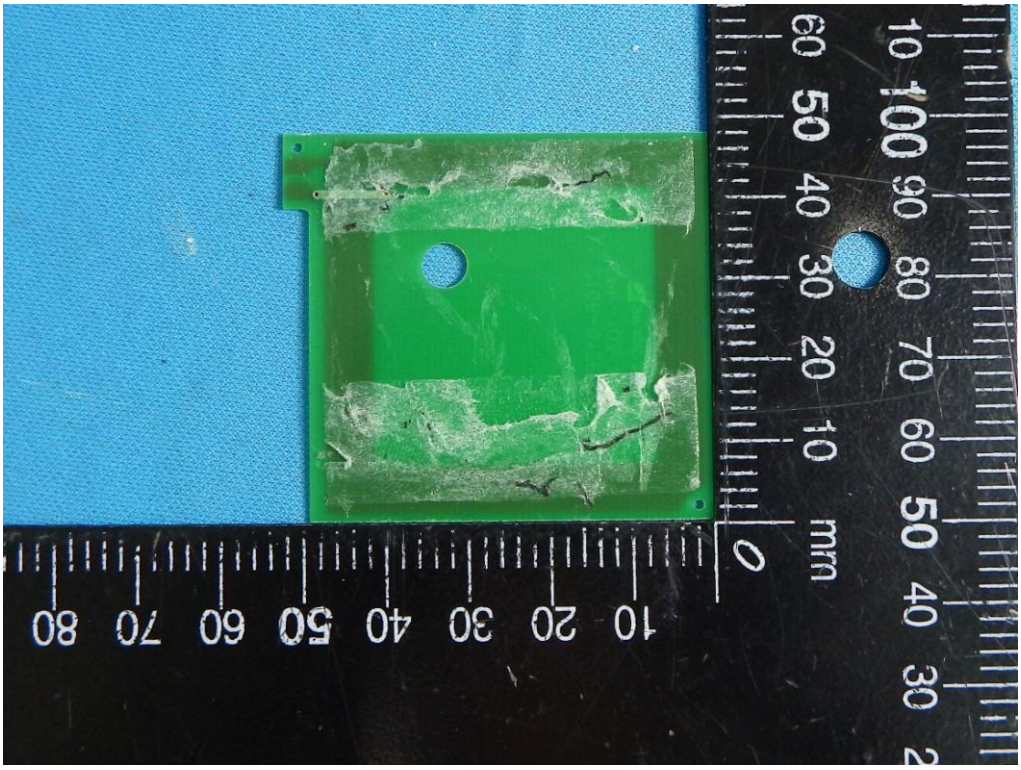
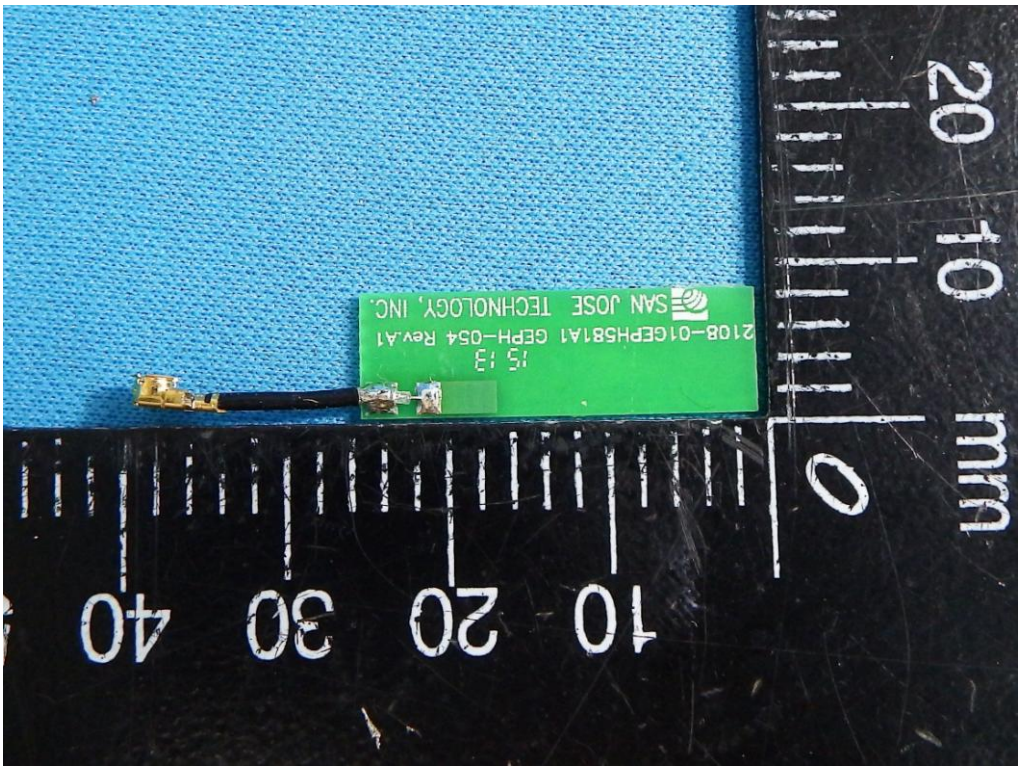
SAN JOSE TECHNOLOGY, INC.

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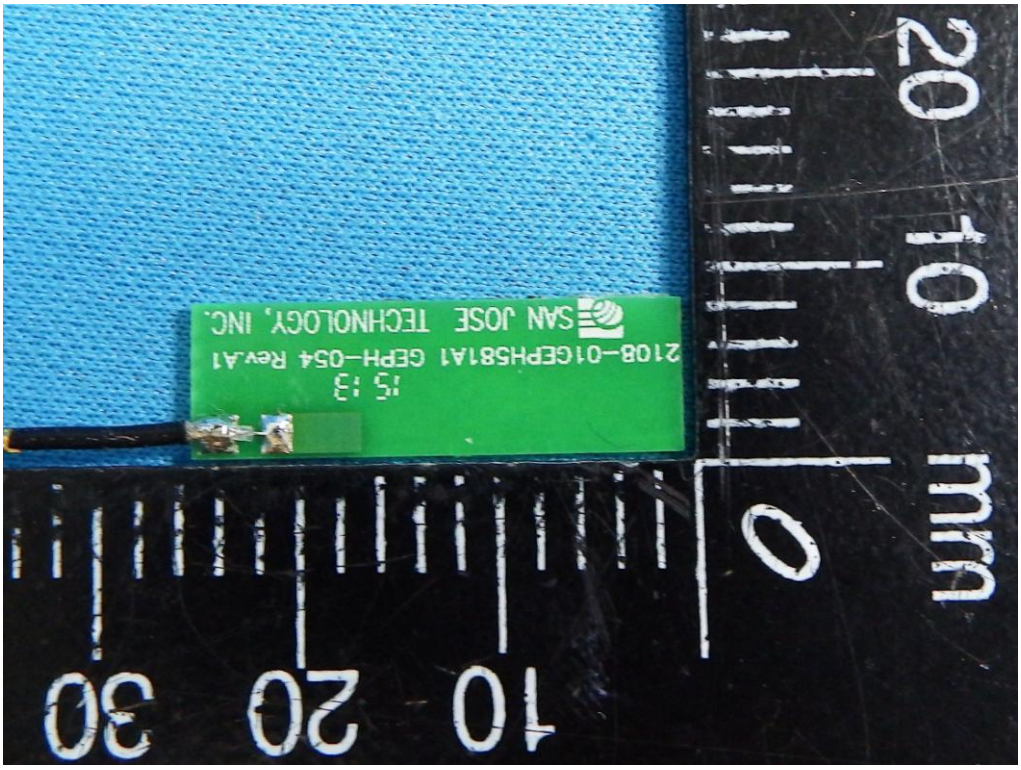
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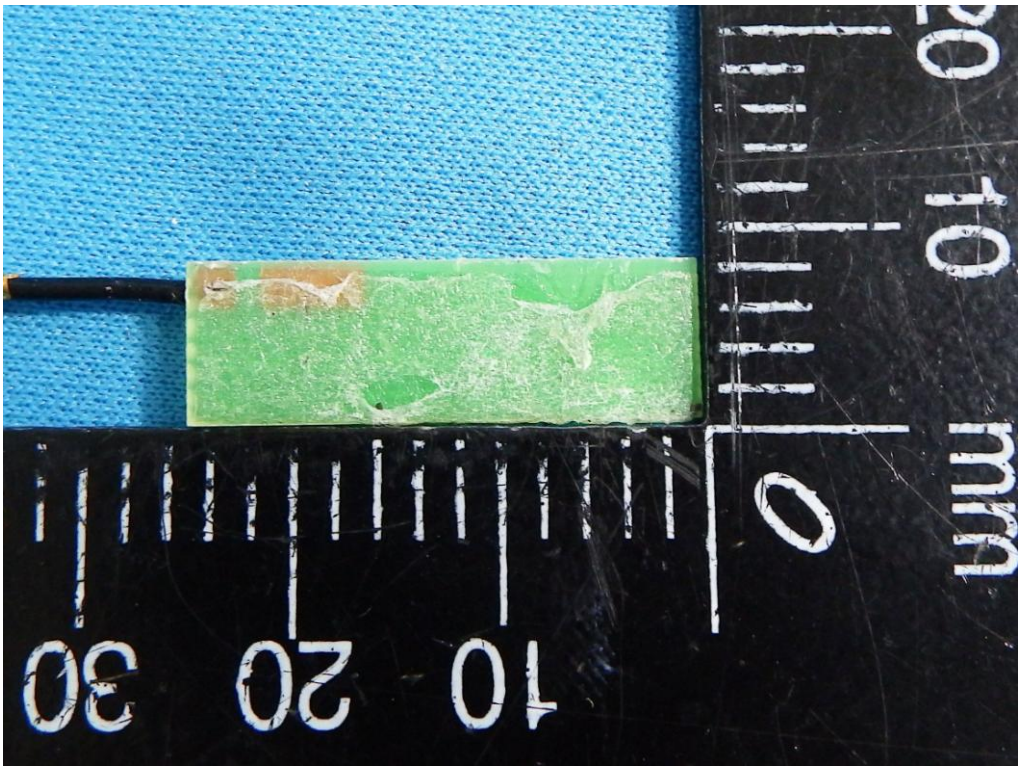
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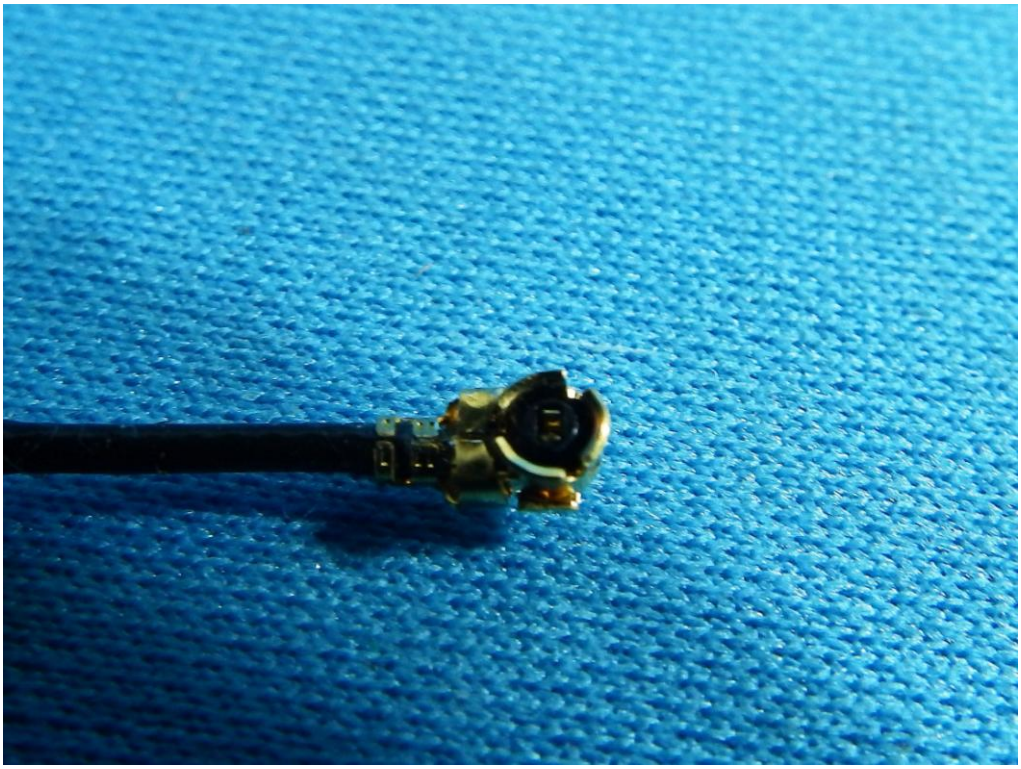

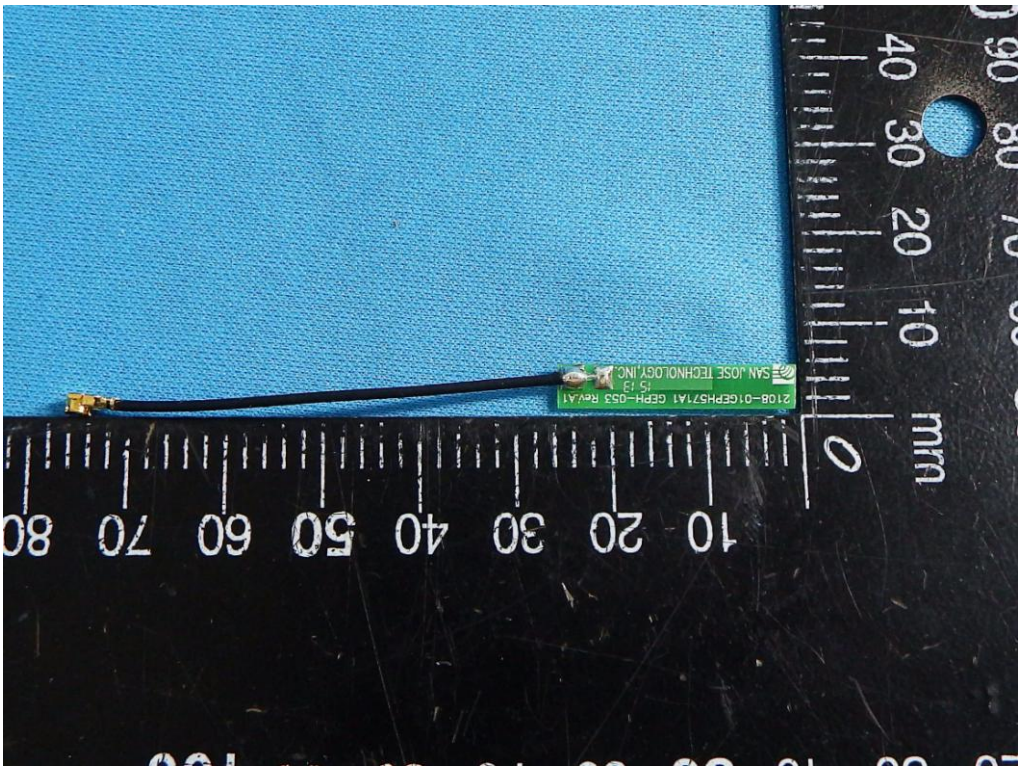
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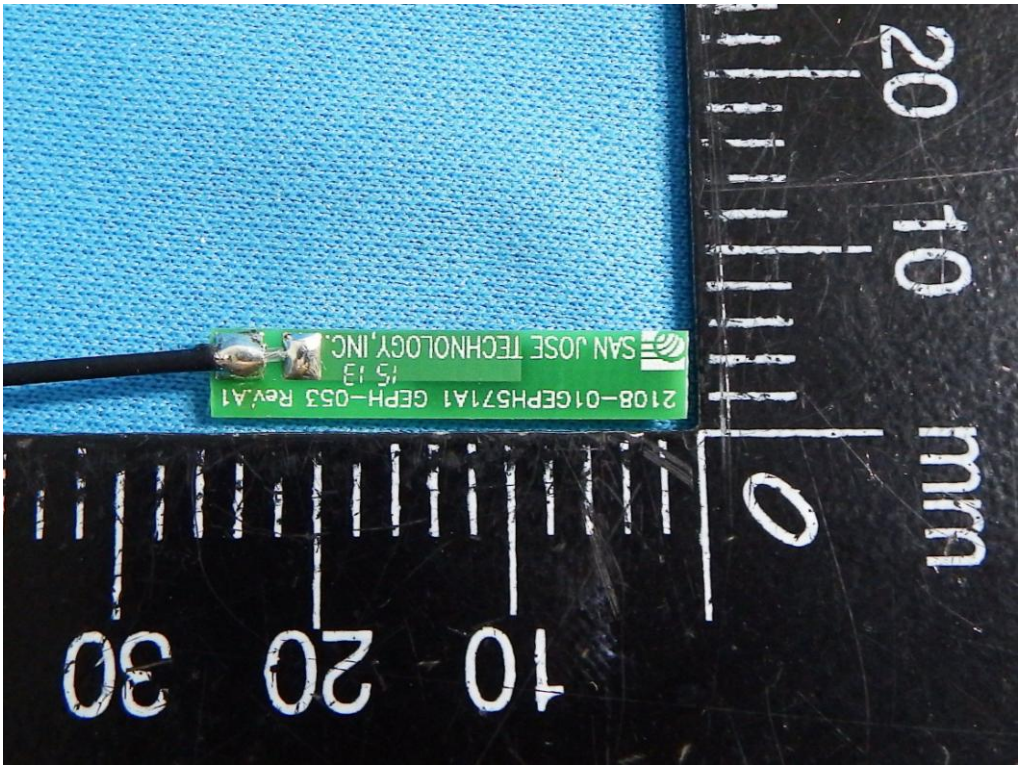
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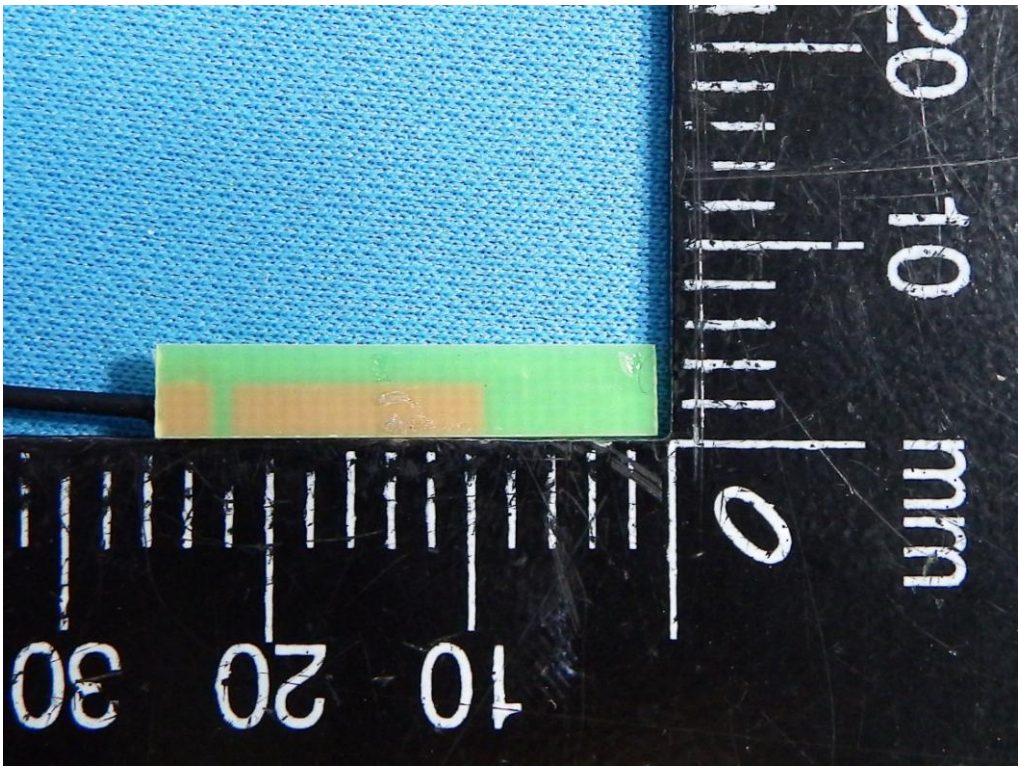
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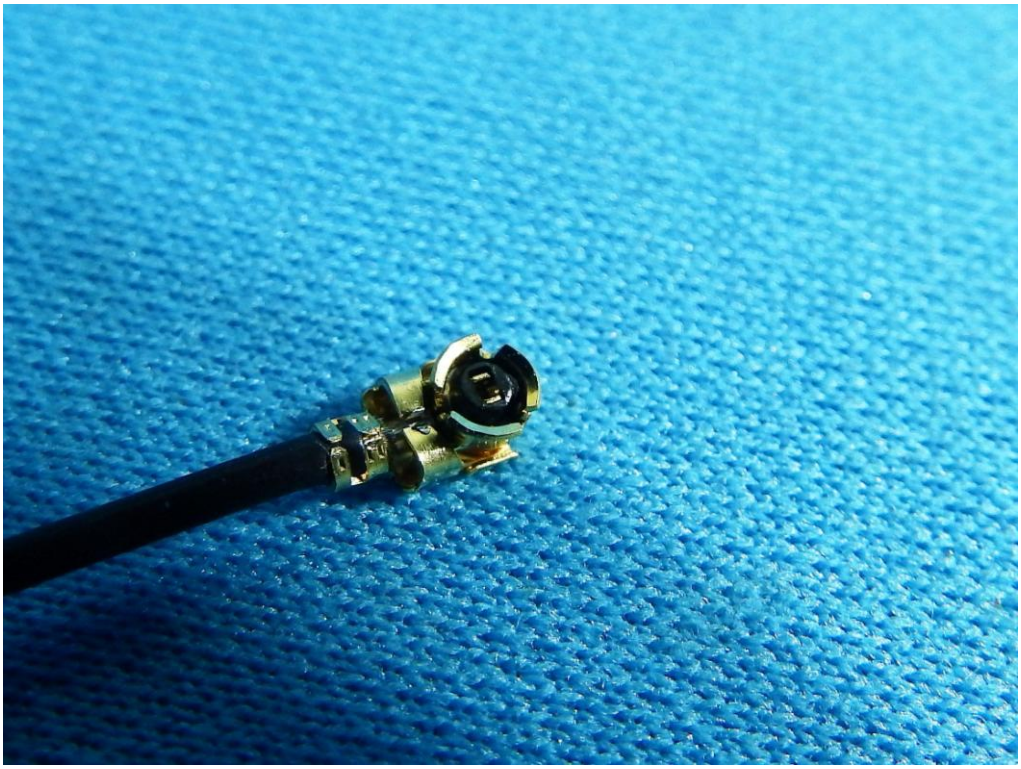

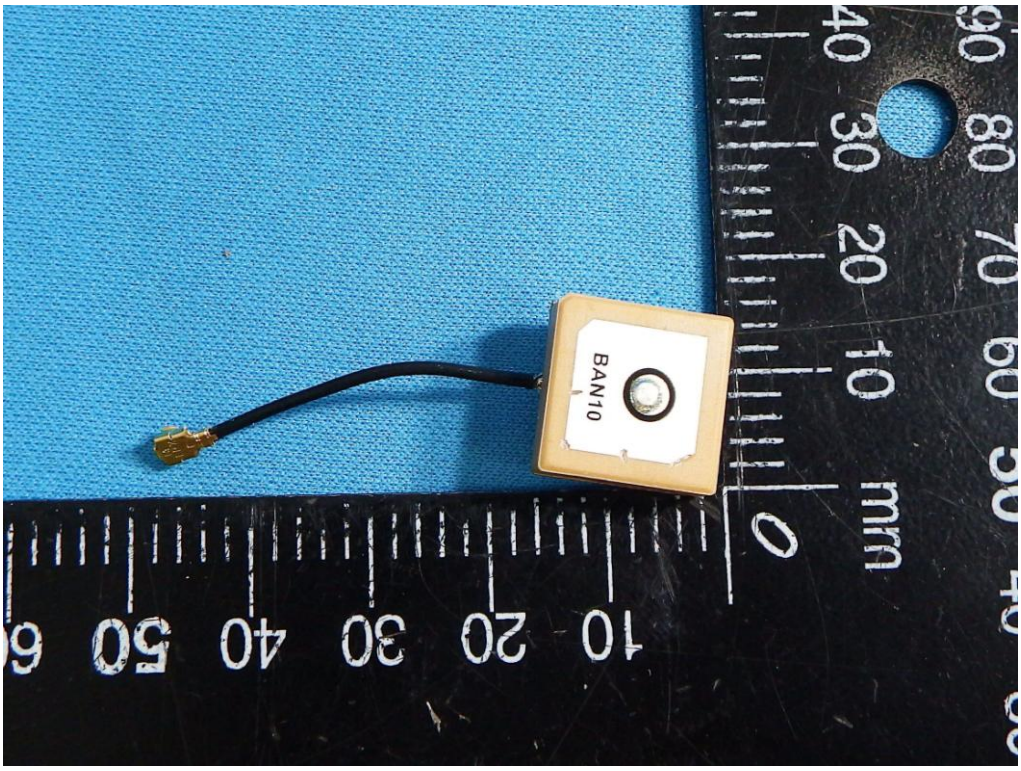
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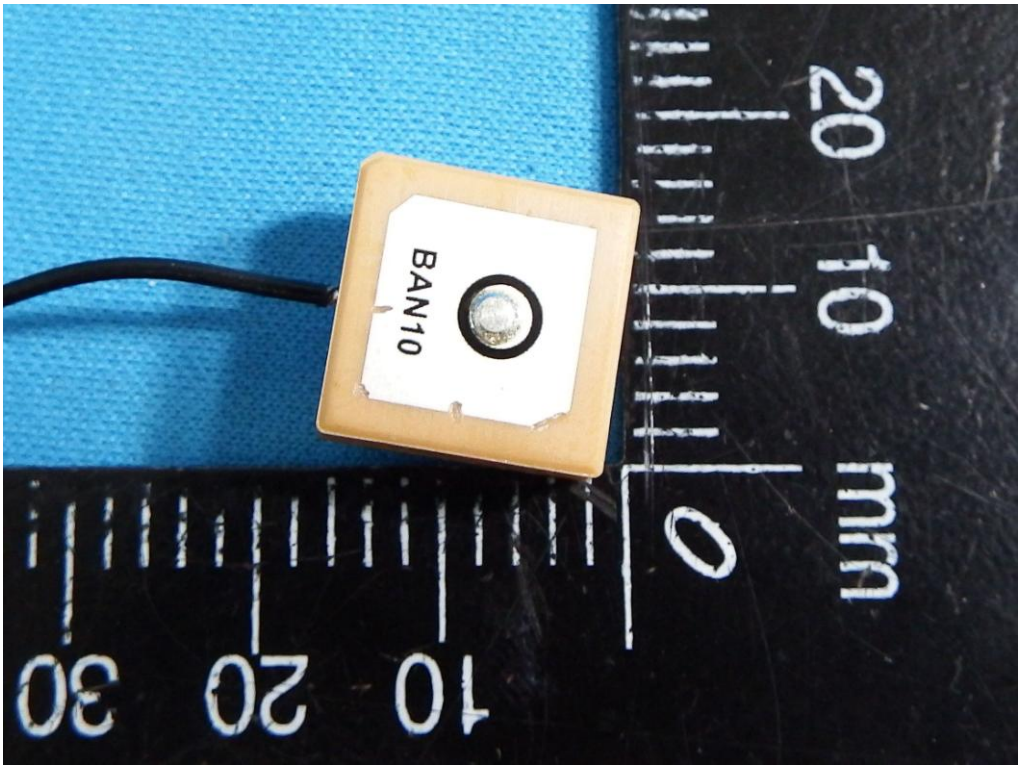
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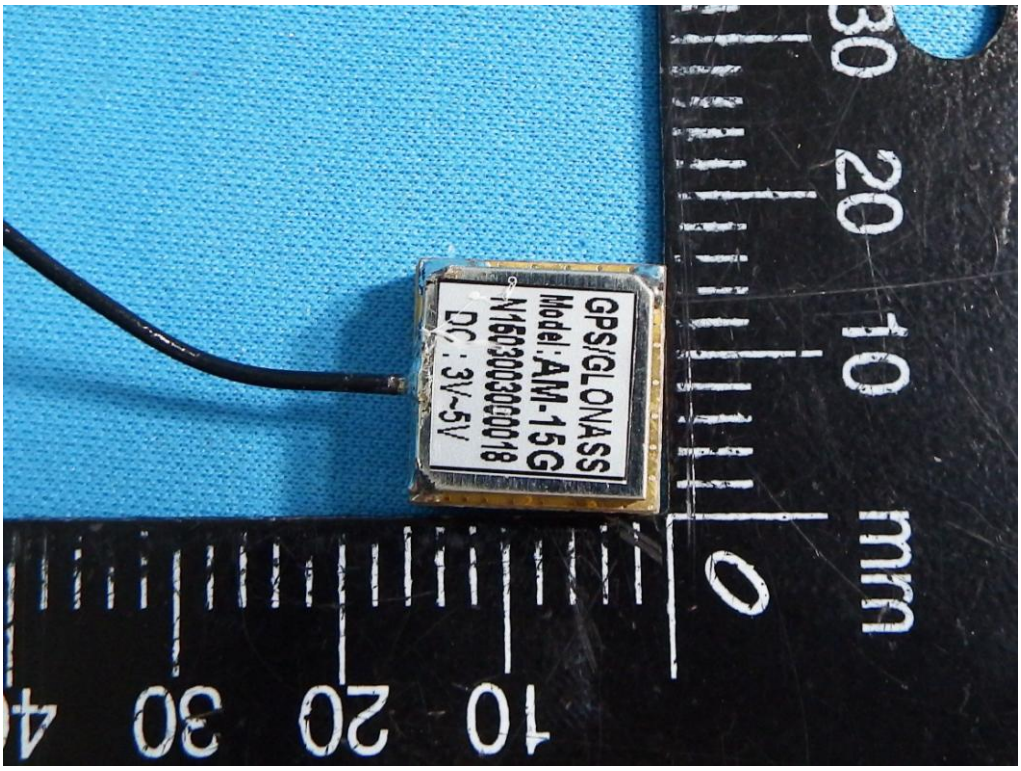
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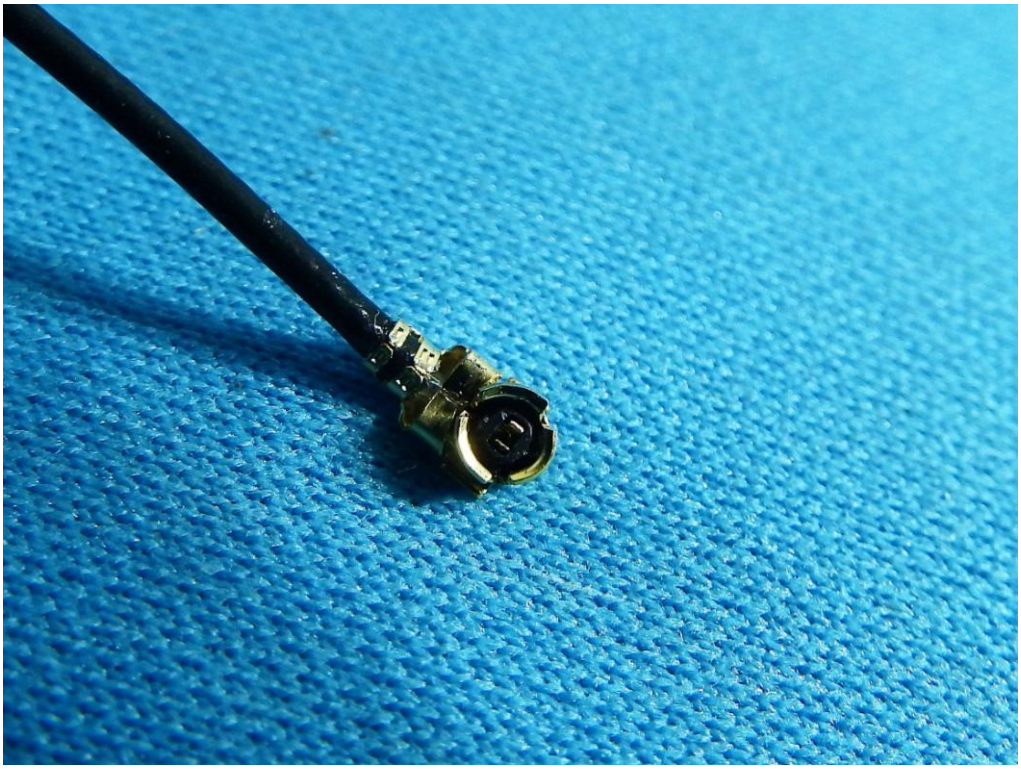

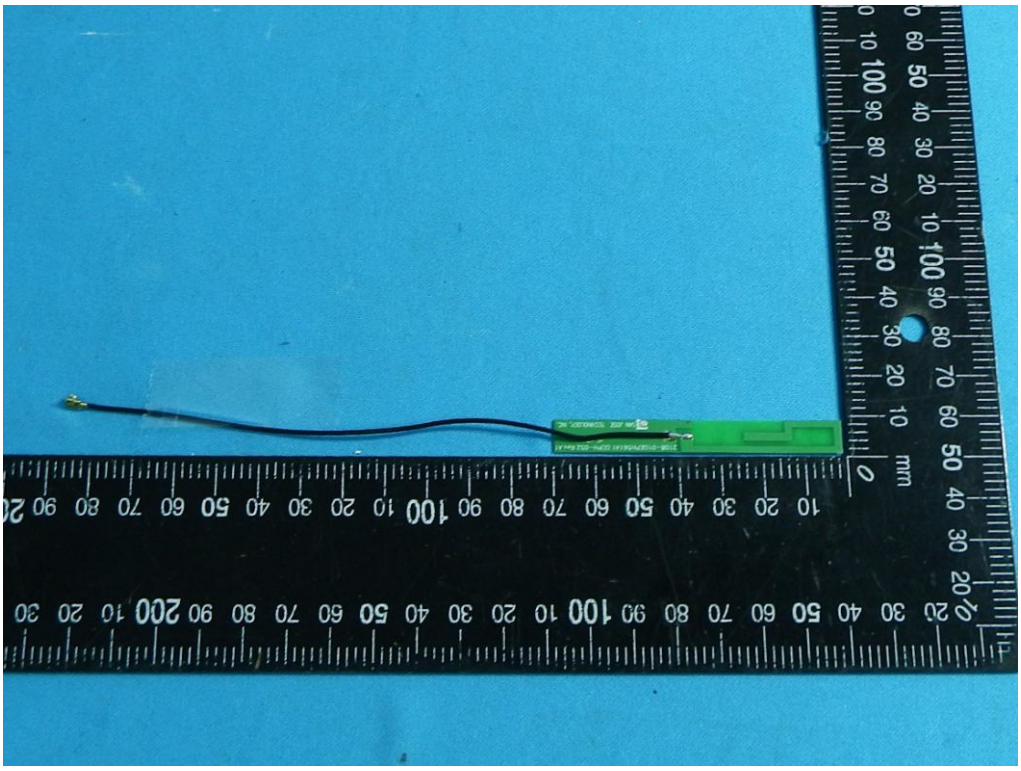

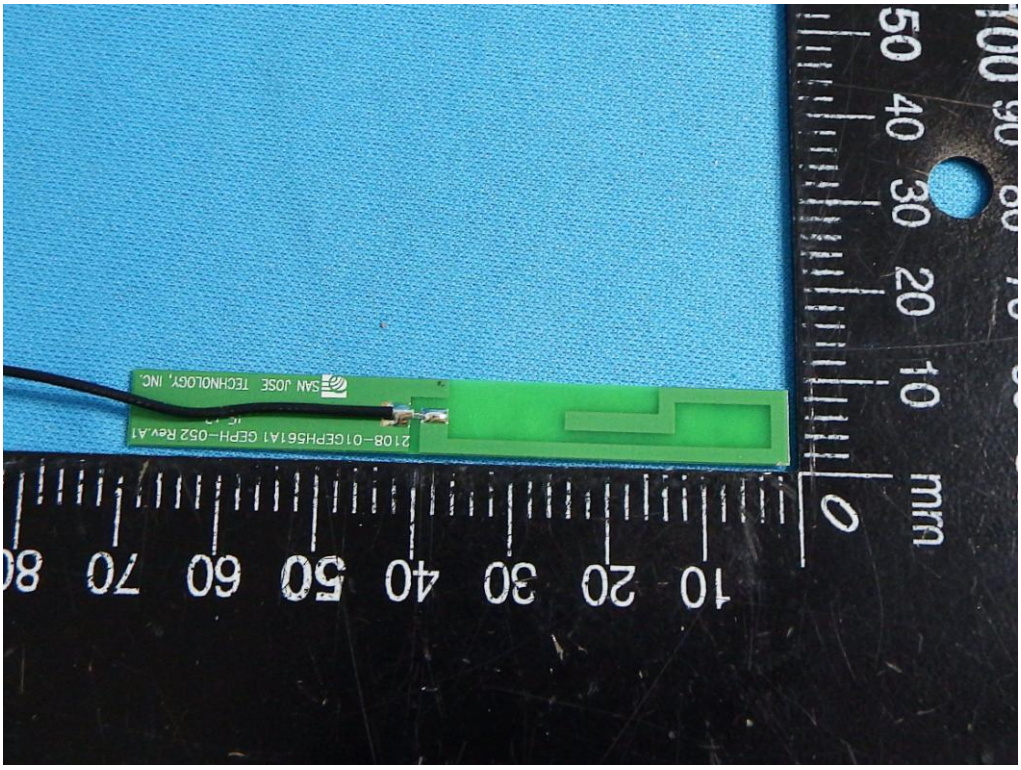
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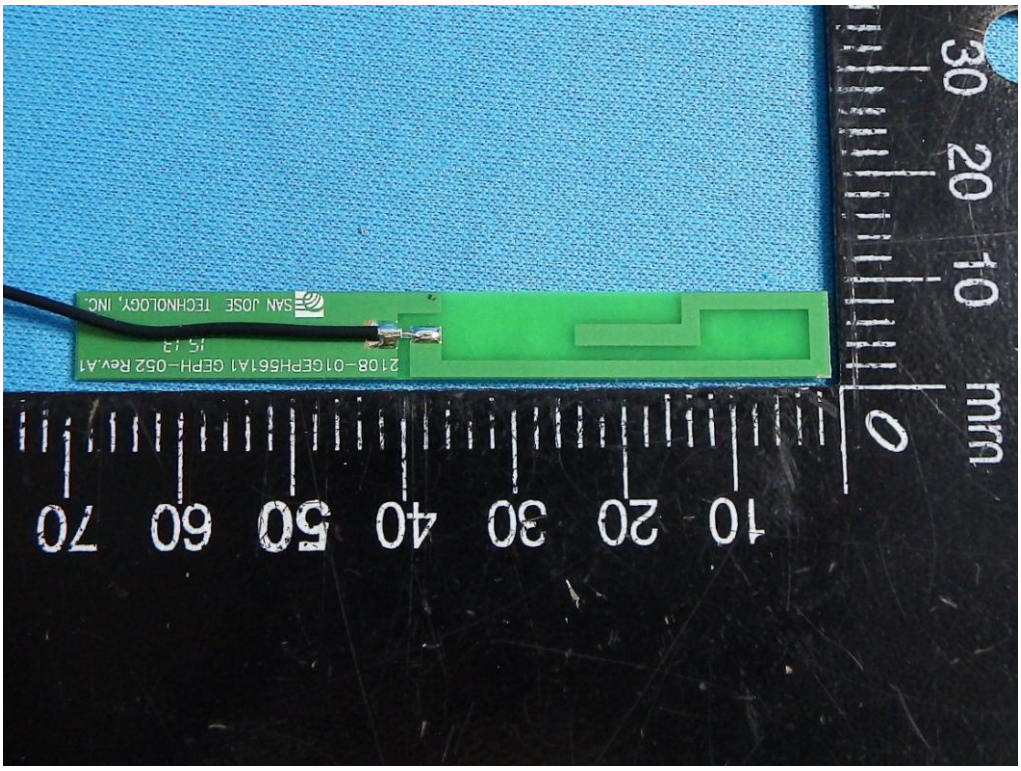
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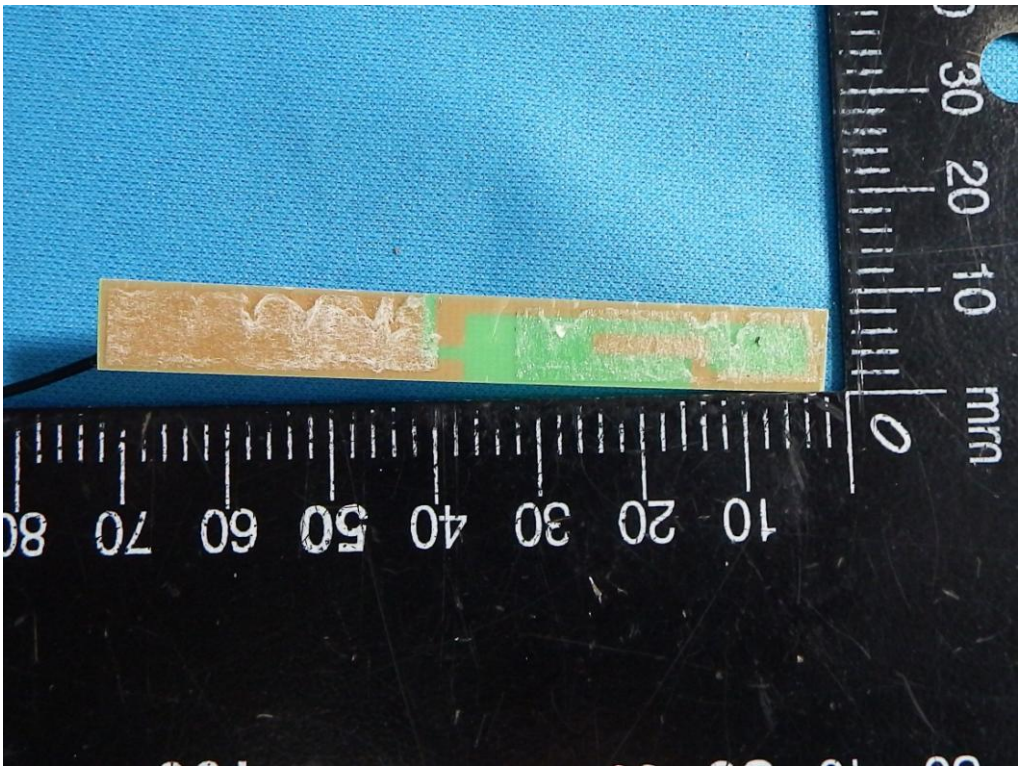
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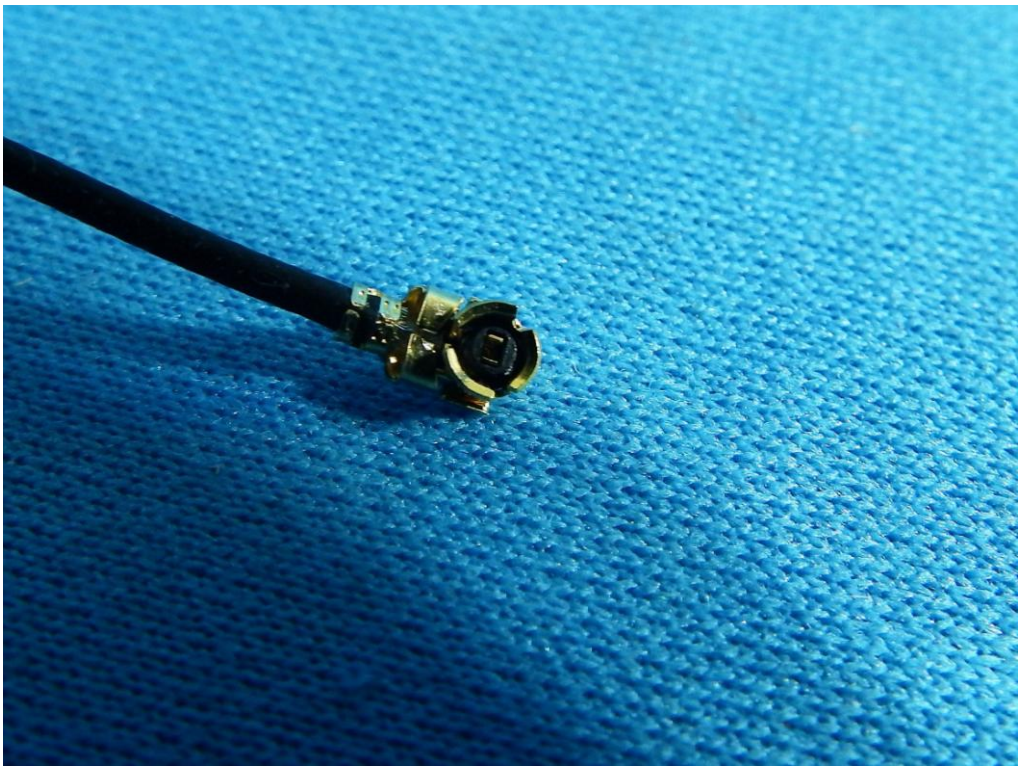

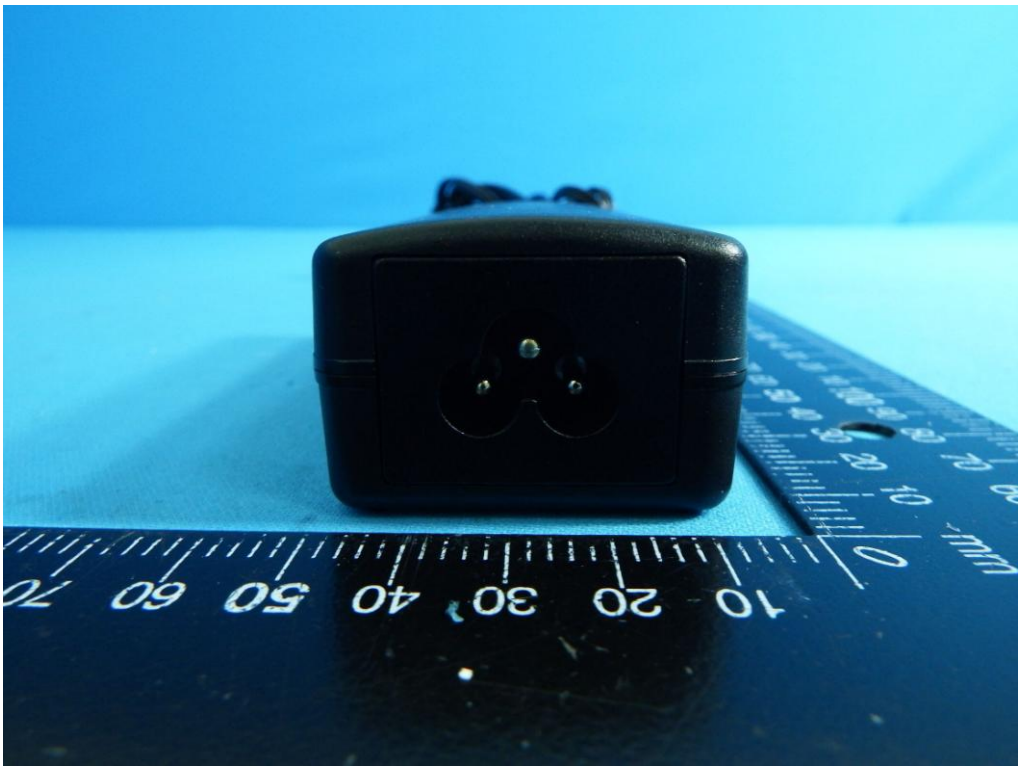


L.T.E.
LI TONE ELECTRONICS CO., LTD.
I.T.E. ADAPTOR 電源轉換器(电源转换器)
MODEL 型號(型号):LTE24E-S2-2
INPUT 輸入(输入):100-240V~ 50/60Hz, 1A
OUTPUT 輸出(输出):12V⎓2A MAX:24W
制造商:力英电子股份有限公司
LISTED
35A9
E246759
R32377 AAEONテクノロジー株式会社
A050473
LPS
CAUTION: FOR INDOOR USE ONLY
RISK OF ELECTRIC SHOCK DRY LOCATION USE ONLY
DO NOT REPLACE THIS PLUG SHOCK HAZARD DO NOT OPEN
MADE IN CHINA 中国制造
144300304