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## RF EXPOSURE REPORT

OF

Quanta Computer Inc. Applicant:

No. 188, Wenhua 2nd Road, Guishan District, Taoyuan City 33377,

Taiwan

**Product Name:** Clover Mini Enterprise/Clover Station Pro Terminal

**Brand Name:** clover

Model No.: C303, C503

**Model Difference:** C303 is a standalone POS terminal. C503 includes the same POS

terminal (C303) but comes with an included peripheral display

(S503).

**Report Number:** E2/2019/60011

FCC ID: HFS-CX03U

IC: 1787B-CX03U

Part 2.1091 & RSS-102 **FCC Rule Part:** 

IC Rule Part: RSS-102

**Issue Date:** Jul. 12, 2019 Date of EUT Received: Jun. 14, 2019

#### We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation in this report is in compliance with FCC Rules Part 2 and RSS-102.

The test results of this report relate only to the tested sample identified in this report.

Approved By:







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# **Revision History**

Report Number Revision		Description Effected Page		Issue Date	Revised By	
E2/2019/60011	Rev.00	Initial creation of document	All	Jul. 12, 2019	Karen Huang	

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# **DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)**

Product Name:	Clover Mini Enterprise/Clover Station Pro Terminal				
Brand Name:	clover				
Model No.:	C303, C503				
Model Difference:	C303 is a standalone POS terminal. C503 includes the same POS terminal (C303) but comes with an included peripheral display (S503)				
Hardware Version:	4.01				
Software Version:	N/A				
Micro Hub:	Model No.: H303, Supplier: clover				
Power Supply:	12V from Hub and Adapter				
	Battery:	Model No.: YJ3B, Supplier: N/A			
	Adapter:	Model No.: FSP040-RHBN3, Supplier: FSP			

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# 2 MAXIMUM PERMISSIBLE EXPOSURE (MPE)

#### 2.1 FCC Standard Applicable

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This is a Mobile device, the MPE is required.

According to §1.1310 and §2.1091 RF exposure is calculated.

Limits for Maximum Permissive Exposure (MPE)

Frequency Range	Frequency Range Electric Field		Power Density	Averaging Time		
(MHz)	Strength (V/m)	Strength (A/m)	(mW/cm <sup>2</sup> )	(minute)		
Limits for General Population/Uncontrolled Exposure						
0.3-1.34	614	1.63	*(100)	30		
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30		
30-300	27.5	0.073	0.2	30		
300-1500	300-1500 /		f/1500	30		
1500-15000 /		1	1.0	30		

f = frequency in MHz

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<sup>\* =</sup> Plane-wave equipment power density



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## 2.2 Power Density Calculation (Worst Case)

Operation Mode	Evaluation Frequency (MHz)	Operation Distance (cm)	Max. output Power (dBm)	Antenna Gain (dBi)	Max. output Power EIRP (mW)	Power Density (mW/cm²)	Limit (mW/cm²)	Pass / Fail
BT	2480.00	20	6.99	2.10	8.11	0.002	1.000	Pass
WLAN 2.4G	2437.00	20	19.77	2.10	153.82	0.031	1.000	Pass
WLAN 5G	5580.00	20	20.49	5.86	431.52	0.086	1.000	Pass
WWAN	1857.50	20	23.26	1.00	266.69	0.053	1.000	Pass

**Note:** For conservativeness, the lowest uplink frequency of each band is used to determine the MPE limit of that band.

~ End of Report ~

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