

RF Exposure Evaluation Report

Product Name	WPC Qi 1.1/1.0 compliance wireless charging micro-USB box
Model No.	Wireless Charger

Applicant	ASUSTeK COMPUTER INC.
Address	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt	Jan. 28, 2014
Date of Declaration	Mar. 05, 2014
Report No.	1420029R-RFUSP20V00

The declaration results relate only to the samples calculated.

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1. RF Exposure Evaluation

1.1. Test Equipment

Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X Loop Antenna	Teseq	HLA6120 / 26739	Jul., 2013
X Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2013

1.2. Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (Minutes)
(A) Limits for Occupational/ Control Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/F	4.89/F	*(900/F ²)	6
30-300	61.4	0.163	1	6
300-1500	--	--	F/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/ Uncontrolled Exposures				
0.3-1.34	614	1.63	*(100)	30
1.34-3.0	824/F	2.19/F	*(180/F ²)	30
300-1500	27.5	0.073	0.2	30
300-1500	--	--	F/1500	30
1500-100,000	--	--	1	30

Note:

1. RF Exposure evaluation should be conducted assuming a separation distance of 10 cm

1.3. Test Procedure

Was tested for electric and magnetic field strength emissions, all six sides of the EUT were measured with the loop sensor positioned at a distance of 10 cm per the FCC 's request. (reference KDB 680106 D01 RF Exposure Wireless Charging Apps v02)

The temperature and related humidity: 18°C and 62% RH.

1.4. Test Result of RF Exposure Evaluation

Product : WPC Qi 1.1/1.0 compliance wireless charging micro-USB box
Test Item : RF Exposure Evaluation
Test Site : No.7 Chamber

E-Field Emissions

Test Position	Frequency (MHz)	Measure Level @ 10cm (V/m)	Limit (V/m)	Result
Side 1	0.144	1.96	614	PASS
Side 2	0.144	1.65	614	PASS
Side 3	0.144	1.42	614	PASS
Side 4	0.144	1.32	614	PASS
Top	0.144	4.32	614	PASS
Bottom	0.144	1.35	614	PASS

Note: All sides of EUT measured at 10cm

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H-Field Emissions

Test Position	Frequency (MHz)	Measure Level @ 10cm (A/m)	Limit (A/m)	Result
Side 1	0.144	0.053	1.63	PASS
Side 2	0.144	0.043	1.63	PASS
Side 3	0.144	0.049	1.63	PASS
Side 4	0.144	0.031	1.63	PASS
Top	0.144	0.112	1.63	PASS
Bottom	0.144	0.023	1.63	PASS

Note: All sides of EUT measured at 10cm

1.5. EUT Test Setup Photographs

Side 1



Side 2



Side 3



Side 4



Top



Bottom



Close-up

