

Equipment : Wireless Charge Power Bank-001

Brand Name : P.GENE Model No. : PG-012

FCC ID : 2ABSIPG-012

Standard : 47 CFR FCC Part 15.209

Operating Band : 110-205 kHz

FCC Classification: DCD (for 110-205kHz only)

Equipment Type: Wireless Power Transfer for Consumer Devices

Output power : 5W (from Each Primary Coil)

Applicant : POWERGENE Technology Co., LTD. Taiwan Branch

Manufacturer 8F.-1, No.1, Wuquan 1st Rd., Xinzhuang Dist.,

New Taipei City, Taiwan

The product sample received on Dec. 26, 2013 and completely tested on Jan. 21, 2014. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2009 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Wayne ฟุรน / Assistant Manager

TAF

Testing Laboratory
1190

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Summary of Test Result

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	Conformance Test Specifications							
Report Clause	Ref. Std. Clause	Description	Measured	Limit	Result			
1.1.3	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied			
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]:0.1913990MHz 49.29 (Margin 14.69dB) - QP 39.50 (Margin 14.48dB) - AV	FCC 15.207	Complied			
3.2	15.209	Transmitter Radiated Emissions	[dBuV/m at 3m]:40.670MHz 35.45 (Margin 4.55dB) - PK	FCC 15.209	Complied			
3.3	15.215(c)	Emission Bandwidth	20dB Bandwidth 2.84 [kHz]	N/A	Complied			

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Revision History

Report No.: FR3D2538

Report No.	Version	Description	Issued Date
FR3D2538	Rev. 01	Initial issue of report	Mar. 19, 2014

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General Description 1

1.1 **Information**

1.1.1 **Product Details**

The equipment is Wireless Charge Power Bank-001. There are three samples of EUT. The only difference is the outward appearances. For more detailed features description, please refer to the specifications or user's manual.

1.1.2 General Information

Wireless Power Transfer General Information				
Modulation	Charging Freq. (kHz)	Field Strength (dBuV/m)		
ASK	110-205	76.51		
Output power from each primary coil	Max. coupling surface area	Charging Method		
5W	40 cm ²	Client directly contact		
	Modulation ASK Output power from each primary coil	Modulation Charging Freq. (kHz) ASK 110-205 Output power from each primary coil Max. coupling surface area		

1.1.3 Antenna Information

	Antenna Category				
	Equipment placed on the market without antennas				
\boxtimes	Integral antenna (antenna permanently attached)				
	External antenna (dedicated antennas)				

1.1.4 Type of EUT

	<u> </u>				
	Identify EUT				
EU	Γ Serial Number	N/A			
Pre	sentation of Equipment	□ Production ; □ Pre-Production ; □ Prototype			
	Type of EUT				
\boxtimes	Stand-alone				
	Combined (EUT where the radio part is fully integrated within another device)				
	Combined Equipment - Brand Name / Model No.:				
	Plug-in radio (EUT intended for a variety of host systems)				
	Host System - Brand Name / Model No.:				
	Other:				

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1.1.5 Test Signal Duty Cycle

	Operated Mode for Worst Duty Cycle			
	Operated normally mode for worst duty cycle			
\boxtimes	Operated test mode for worst duty cycle			
	Test Signal Duty Cycle (x)			
\boxtimes	100%			

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1.1.6 EUT Operational Condition

Supply Voltage	☐ AC mains	□ DC	
Type of DC Source	☐ Internal DC supply	☐ External DC adapter	

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1.2 Support Equipment

	Support Equipment						
No.	Equipment	Brand Name	Model Name	FCC ID			
1	Notebook	DELL	E5530	DoC			
2	Mobile Phone	Samsung S3	GT-I9300	DoC			
3	Wireless Receiver	P.GENE	PG-025E	DoC			

1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2009

1.4 Testing Location Information

	Testing Location					
	HWA YA	ADD	:	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Iao Yuan Hsien, Taiwan, R.O.C.		
		TEL	:	886-3-327-3456 FAX : 886-3-327-0973		
Test Condition			Test Site No.	Test Engineer	Test Environment	
AC Conduction			CO04-HY	Zeus	21.8°C / 58%	
RF Conducted			TH01-HY	lan	24.8°C / 63%	
Radiated Emission		03CH02-HY	Hsiao	21.8°C / 58%		

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1.5 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

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Measurement Uncertainty					
Test Item		Uncertainty			
AC power-line conducted emissions		±2.26 dB			
Emission bandwidth		±1.42 %			
Unwanted emissions, conducted	9 – 150 kHz	±0.38 dB			
	0.15 – 30 MHz	±0.42 dB			
	30 – 1000 MHz	±0.51 dB			
All emissions, radiated	9 – 150 kHz	±2.49 dB			
	0.15 – 30 MHz	±2.28 dB			
	30 – 1000 MHz	±2.56 dB			
Temperature		±0.8 °C			
Humidity		±3 %			
DC and low frequency voltages		±3 %			
Time		±1.42 %			
Duty Cycle		±1.42 %			

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2 Test Configuration of EUT

2.1 The Worst Case Configuration

Modulation Mode	Field Strength (dBuV/m at 3m)		
Charging	76.51		
Wireless shares were nerformed all shareing as	ditions including variable leading and non-sharping		

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Wireless charger were performed all charging conditions including variable loading and non-charging operation, the worst mode is full charging loading.

2.2 The Worst Charger Frequencies Configuration

Modulation Mode	Charger Frequencies (kHz)
Charging	129.95 kHz (F1)
Wireless sharger frequencies are veriable frequency	range (110, 205 kHz) and depend on charging leading

Wireless charger frequencies are variable frequency range (110-205 kHz) and depend on charging loading. The charging frequency is 129.95 kHz.

2.3 The Worst Case Measurement Configuration

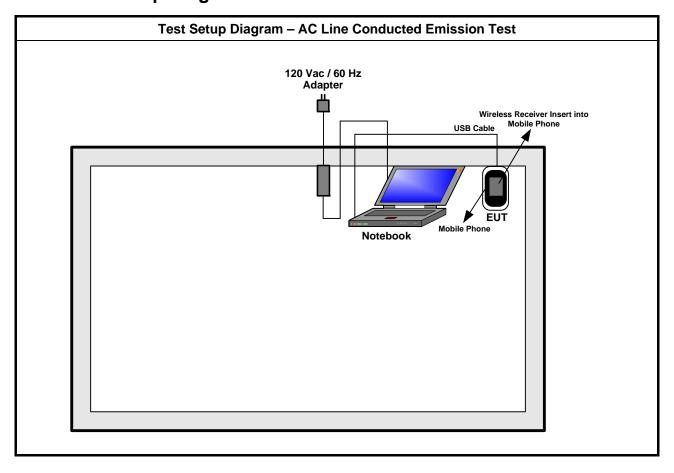
The Worst Case Mode for Following Conformance Tests								
Tests Item AC power-line conducted emissions								
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz							
Operating Mode	Operating Mode Description							
1	EUT via USB Charging							

	The Worst Case Mode for Following Conformance Tests										
Т	ests Iter	n	Trai	nsmitter Radiated Emissions, Emission Bandwidth							
Tes	st Condit	ion	Rac	liated measurement							
Us	er Positi	on	\boxtimes	EUT will be placed in fixed position at X plane.							
X Plane Y Plan		Z Plane		EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes.							
				EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes.							
Operating Mode < 1GHz			\boxtimes	1. EUT via USB Charging							
Mod	ulation N	l ode	Cha	arging							

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2.4 Test Setup Diagram



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Test Setup Diagram - Radiated Test (9kHz~30MHz)

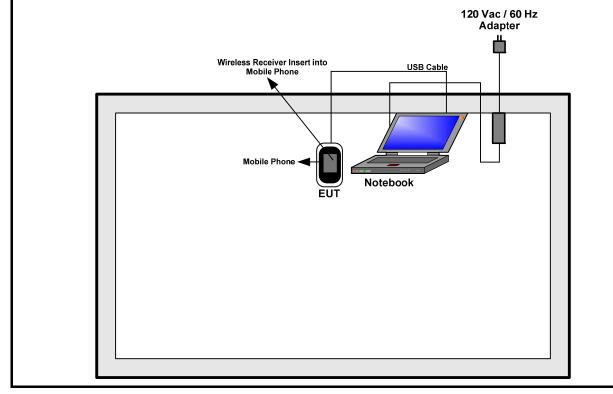
120 Vac / 60 Hz
Adapter

Wireless Receiver Insert Into
Mobile Phone

EUT

Notebook

Test Setup Diagram - Radiated Test (30MHz~1GHz)



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3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit								
Frequency Emission (MHz) Quasi-Peak Average								
0.15-0.5	66 - 56 *	56 - 46 *						
0.5-5	56	46						
5-30	60	50						

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3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

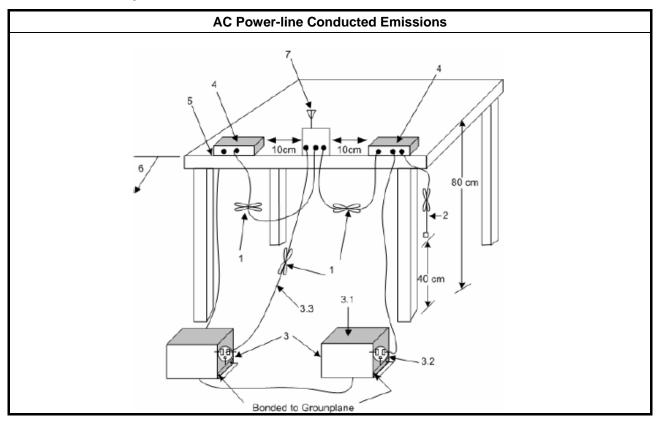
3.1.3 Test Procedures

		Test Method									
\boxtimes	Refer as ANSI C63.10-2009, clause 6.2 for AC power-line conducted emissions.										
\boxtimes	If A	C conducted emissions fall in operating band, then following below test method confirm final result.									
		Accept measurements done with a suitable dummy load replacing the antenna under the following conditions: (1) Perform the AC line conducted tests with the antenna connected to determine compliance with FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load to determine compliance with FCC 15.207 limits within the transmitter's fundamental emission band.									
		For a device with a permanent antenna operating at or below 30 MHz, accept measurements done with a suitable dummy load, in lieu of the permanent antenna under the following conditions: (1) Perform the AC line conducted tests with the permanent antenna to determine compliance with the FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load in lieu of the permanent antenna to determine compliance with the FCC 15.207 limits within the transmitter's fundamental emission band.									

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3.1.4 Test Setup

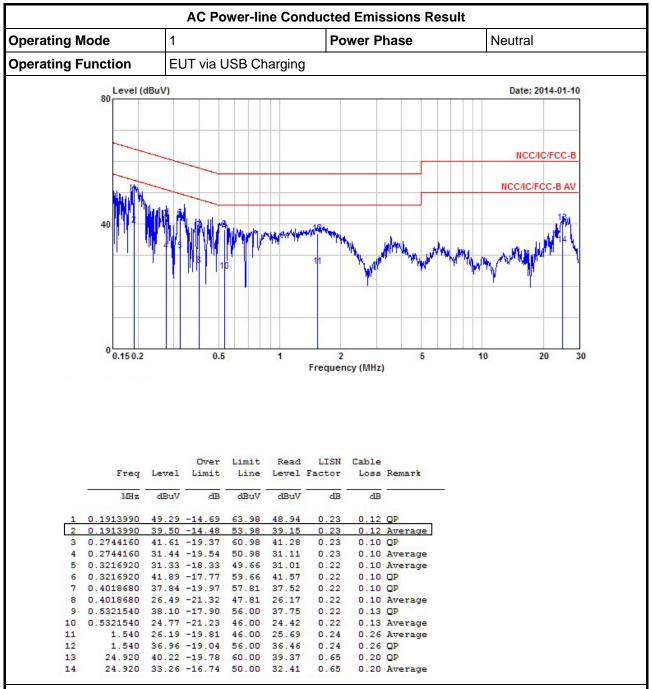


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3.1.5 Test Result of AC Power-line Conducted Emissions



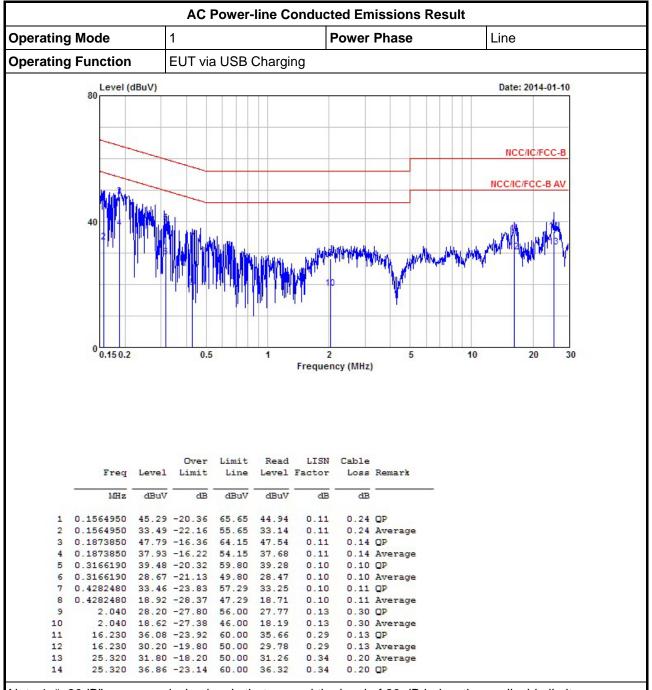
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Note 3: When emissions are in operating band over limits, retest with a dummy load for final in-band results.

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Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Note 3: When emissions are in operating band over limits, retest with a dummy load for final in-band results.

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3.2 Transmitter Radiated Emissions

3.2.1 Transmitter Radiated Emissions Limit

Transmitter Radiated Emissions Limit											
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)								
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300								
0.490~1.705	24000/F(kHz)	33.8 - 23	30								
1.705~30.0	30	29	30								
30~88	100	40	3								
88~216	150	43.5	3								
216~960	200	46	3								
Above 960	500	54	3								

- Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
- Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.
- Note 3: the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 1GHz measurements employing a CISPR quasi-peak detector.

3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

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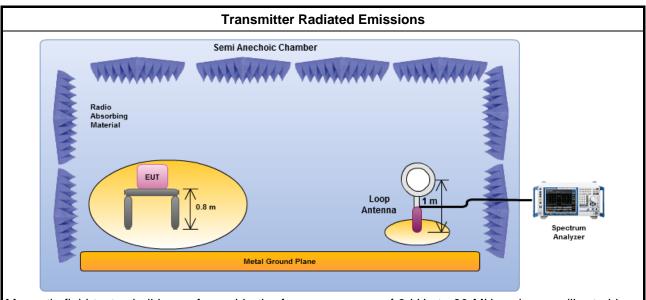
3.2.3 Test Procedures

Test Method Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1 GHz and test distance is 3m. Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 30MHz measurements employing a CISPR quasi-peak detector. Test distance is 3m. At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the requirements; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be following below methods. The results shall be extrapolated to the specified distance by making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor. The results shall be by using the square of an inverse linear distance extrapolation factor (40 dB/decade). For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level. The any unwanted emissions level shall not exceed the fundamental emission level. All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value

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3.2.4 Test Setup

has no need to be reported.

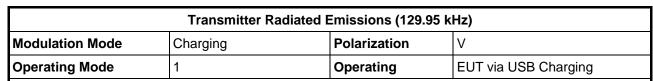


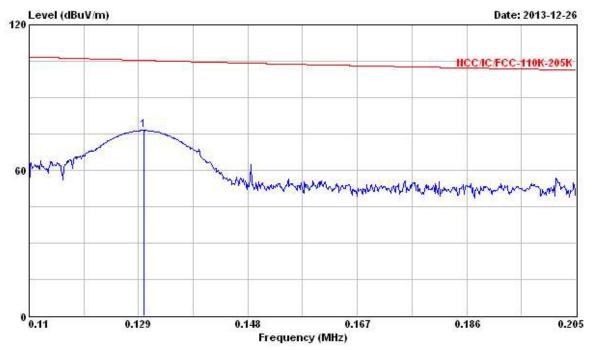
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. The center of the loop shall be 1 m above the ground. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna. the antenna height shall be varied from 1 m to 4 m.

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3.2.5 Transmitter Radiated Emissions (Below 30MHz)





			0ver			Antenna				1000000	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB		cm	deg
1	0.1299500	76.51	-28.82	105.33	56.31	20.15	0.05	0.00	Peak		

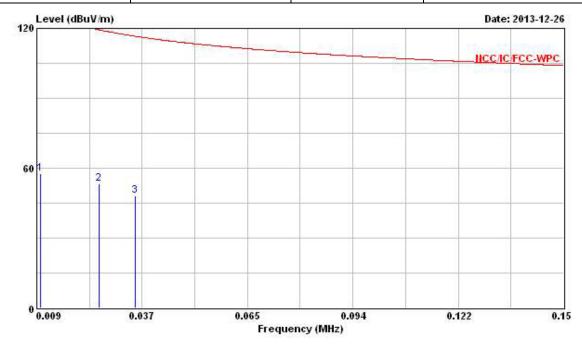
- Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement worst emissions of receive antenna polarization: V (Vertical).
- Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.
- Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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Transmitter Radiated Emissions (9 kHz – 150 kHz)									
Modulation Mode	Charging	Polarization	Н						
Operating Mode	1	Operating Function	EUT via USB Charging						

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		Level	Over Limit			Antenna Factor			Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm.	deg
1	0.0099870	57.67	-69.95	127.62	37.12	20.50	0.05	0.00	Peak	252	
2	0.0256380	53.19	-66.24	119.43	32.84	20.30	0.05	0.00	Peak	170000	1000000
3	0.0353670	48.15	-68.48	116.63	27.80	20.30	0.05	0.00	Peak	<u> </u>	

Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.

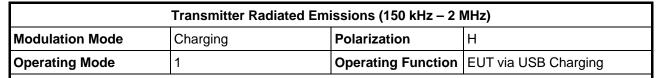
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

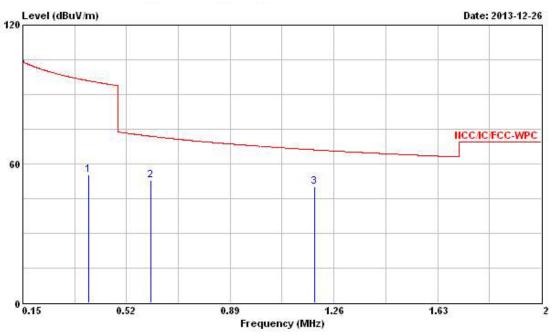
Note 3: Measurement worst emissions of receive antenna polarization: V (Vertical).

Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	0.3849500	55.32	-40.58	95.90	35.17	20.10	0.05	0.00	Peak	24.6	
2	0.6069500	53.04	-18.91	71.95	32.90	20.04	0.10	0.00	Peak	574755	10000
3	1.190	50.14	-15.96	66.10	30.10	19.94	0.10	0.00	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

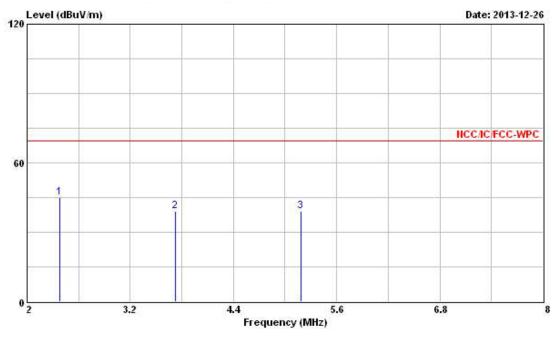
Note 3: Measurement worst emissions of receive antenna polarization: V (Vertical).

Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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Transmitter Radiated Emissions (2 MHz – 8 MHz)										
Modulation Mode	Charging	Polarization	Н							
Operating Mode	1	Operating Function	EUT via USB Charging							



			0ver	Limit	Readi	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
1 <u>22</u>	MKz	MHz dBuV/m	/m dB dBuV/m dBuV		dB/m dB		dB	dB		deg	
1	2.380	45.07	-24.47	69.54	24.91	20.00	0.16	0.00	Peak		
2	3.720	39.26	-30.28	69.54	19.02	20.02	0.22	0.00	Peak	574750	1000
3	5.180	39.26	-30.28	69.54	18.96	20.05	0.25	0.00	Peak	101000	

Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.

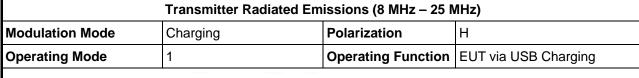
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

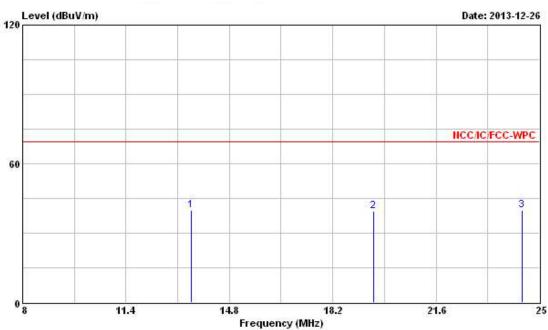
Note 3: Measurement worst emissions of receive antenna polarization: V (Vertical).

Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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	Freq	Level	Over Limit			Antenna Factor				Ant Pos	Table Pos
<u> </u>	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		can	deg
1	13.540	39.86	-29.68	69.54	19.28	20.10	0.48	0.00	Peak		
2	19.530	39.41	-30.13	69.54	18.62	20.19	0.60	0.00	Peak	570000	(50000)
3	24.440	39.90	-29.64	69.54	19.13	20.11	0.66	0.00	Peak		2000

Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement worst emissions of receive antenna polarization: V (Vertical).

Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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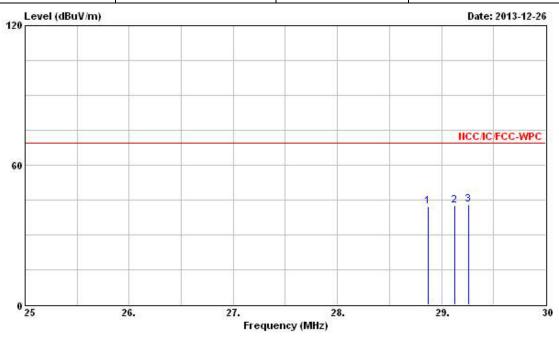


Transmitter Radiated Emissions (25 MHz – 30 MHz)

Modulation Mode Charging Polarization H

Operating Mode 1 Operating Function EUT via USB Charging

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				0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	req	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
2	М	Нz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm.	deg
1	28.8	70	42.24	-27.30	69.54	21.40	20.10	0.74	0.00	Peak	24.00	
2	29.1	30	42.57	-26.97	69.54	21.71	20.10	0.76	0.00	Peak	57474	ST-00-12
3	29.2	60	43.15	-26.39	69.54	22.29	20.10	0.76	0.00	Peak		2000

Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement worst emissions of receive antenna polarization: V (Vertical).

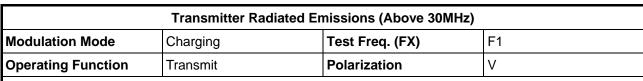
Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

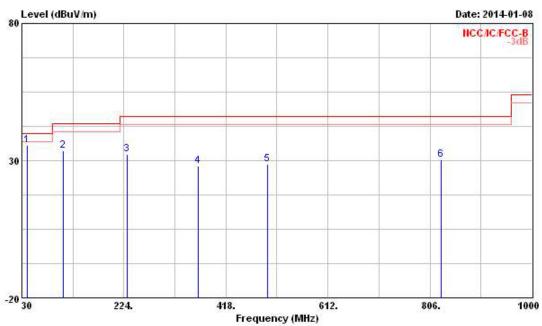
Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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3.2.6 Transmitter Radiated Emissions (Above 30MHz)



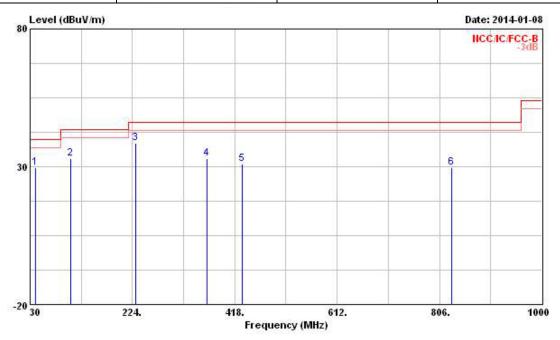


	Freq	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark	Ant Pos	Table Pos
<u> 200</u>	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	40.670	35.45	-4.55	40.00	49.78	12.43	0.88	27.64	Peak	777		
2	109.540	33.60	-9.90	43.50	47.57	12.28	1.47	27.72	Peak	57502505	10000	
3	230.790	32.41	-13.59	46.00	47.12	10.36	2.27	27.34	Peak			
4	365.620	28.03	-17.97	46.00	37.93	14.88	2.87	27.65	Peak			
5	497.540	28.53	-17.47	46.00	35.96	17.59	3.41	28.43	Peak			
6	827.340	30.35	-15.65	46.00	33.70	20.17	4.47	27.99	Peak	-	(5,50	

- Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.
- Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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Transmitter Radiated Emissions (Above 30MHz)									
Modulation Mode	Charging	Test Freq. (FX)	F1						
Operating Function	Transmit	Polarization	Н						



		101 TOKA	0ver			Antenna				Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
3 <u>15</u>	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB	3	can	deg
1	40.670	29.53	-10.47	40.00	43.86	12.43	0.88	27.64	Peak	2500	
2	106.630	32.99	-10.51	43.50	47.35	11.91	1.46	27.73	Peak	27:00	30000
3 @	230.790	38.57	-7.43	46.00	53.28	10.36	2.27	27.34	Peak	1212-21	
4	365.620	32.92	-13.08	46.00	42.82	14.88	2.87	27.65	Peak		
5	431.580	31.06	-14.94	46.00	39.31	16.72	3.10	28.07	Peak		
6	828.310	29.66	-16.34	46.00	32.98	20.18	4.48	27.98	Peak	271000	(0.000)

Note 1: ">20dB" means spurious emission levels that exceed the level of 6 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Note 5: Except fundamental emission, other emissions from digital circuitry used to control additional panel functions or display capabilities other than the touch panel radio transmission. While disable touch panel radio transmission, other emissions have the same levels. Therefore other emissions level could be exceed the fundamental emission level.

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3.3 Emission Bandwidth

3.3.1 Emission Bandwidth Limit

Emission Bandwidth Limit
N/A

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3.3.2 Measuring Instruments

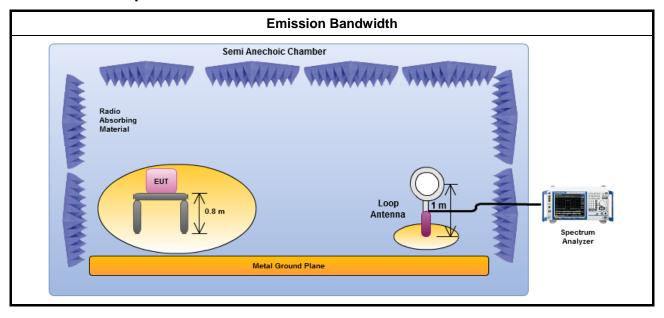
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method ☑ For the emission bandwidth refer ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.

3.3.4 Test Setup

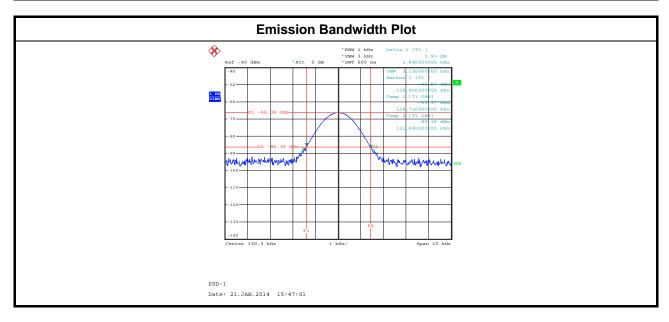


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3.3.5 Test Result of Emission Bandwidth

	Occupied Channel Bandwidth Result										
Modulation Mode	Frequency (kHz)	20dB Bandwidth (kHz)	F _L at 20dB BW (kHz)	F _H at 20dB BW (kHz)	99% Bandwidth (kHz)						
Charging	100-205	2.84	128.90	131.84	3.12						
Liı	mit	N/A	N/A	N/A	N/A						
Res	sult	Complied									

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4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz ~ 2.75GHz	Mar. 25, 2013	Conduction (CO04-HY)
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 22, 2013	Conduction (CO04-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	7.61183201e+012	9kHz ~ 30MHz	Oct. 30, 2013	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)

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Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 40	100305	9KHz~40GHz	Mar. 20, 2013	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is two year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9kHz ~ 40GHz	Oct. 03, 2013	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	May 11, 2013	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	Jul. 18, 2013	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Nov. 09, 2013	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30MHz ~ 2GHz	Oct. 10, 2013	Radiation (03CH02-HY)
Turn Table	Chaintek Instruments	3000	MF7802058	0~ 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	MF	MF7802	MF780208205	1 ~ 4 m	N/A	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz - 30 MHz	Dec. 02, 2012	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is two year.

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