FCC Part 1 Subpart I
FCC Part 2 Subpart J

TEST REPORT

FOR

WIRELESS BATTERY CHARGER SYSTEM

MODEL NUMBER: SYSTEM 9

REPORT NUMBER: R14204340-S1

ISSUE DATE: 2022-08-16

Prepared for
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ACCREDITED
CERT #0751.06

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2022-07-25	Initial Issue	Richard Jankovics
V2	2022-08-03	Editorial corrections	Niklas Haydon
V3	2022-08-16	Added limit to table on p.13.	Brian Kiewra

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Stryker Instruments

EUT DESCRIPTION: Battery Charger System

MODEL NUMBER: System 9

SERIAL NUMBER: AB2212200639, AB2212200669

DATE TESTED: 2022-05-16 to 2022-05-26, 2022-06-08

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 1 SUBPART I & PART 2 SUBPART J	Complies

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

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2. TEST METHODOLOGY

All testing / calculations were made in accordance with FCC KDB 447498 D01, KDB 447498 D03, KDB 680106 D01 v03r01 and FCC OET Bulletin 65 Edition 97-01.

3. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, cert. # 0751.06 for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building: 12 Laboratory Dr RTP, NC 27709, U.S.A	US0067	2180C	825374
☒	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A	US0067	27265	825374

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. DECISION RULES

For all tests where the applicable U_{LAB} <= U_{MAX} the Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2, where U_{MAX} = 30% (0.3) for RF Exposure evaluations. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

For all tests where the applicable U_{LAB} > U_{MAX} the Decision Rule is based on Guarded Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.3.2, with a guard band equal to (U_{LAB} – U_{MAX}), where U_{MAX} = 30% (0.3) for RF Exposure evaluations. (Test results are adjusted by the value of the guard band to determine conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U_{Lab}
Magnetic Field using Exposure Level Meter	+/- 0.80 dB
Electric Field using Exposure Level Meter	+/- 0.91 dB
Time	3.39%

Uncertainty figures are valid to a confidence level of 95%, k = 2.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a mains powered battery charging base using wireless inductive charging. The EUT can charge up to 6 batteries simultaneously with 6 coils. Each coil charges a single battery. Two battery sizes are supported. The frequency of operation for the wireless inductive charging is 125.5 – 133.9 kHz. NFC (13.56MHz) is used to detect the battery is located on the charging base.

5.2. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
(Small battery)	Stryker	NA	NA	NA
(Large Battery)	Stryker	NA	NA	NA
(Small Container)	Stryker	NA	NA	NA
(Large Vertical Container)	Stryker	NA	NA	NA
(Large Horizontal Container)	Stryker	NA	NA	NA

5.2.1. EUT SETUP

The following configurations were tested. Standby measurements were not performed, as the charger detects the presence of a battery with NFC and only turns on the WPT when a battery is present.

WPT:

Configuration	Mode
1	Operating With 1 battery charging in position 1 Note: Measurements were made when the battery level of the EUT was at a state of <10%, 50%, >90%, and 100%.
2	Operating With 1 battery charging in position 2 Note: Measurements were made when the battery level of the EUT was at a state of <10%, 50%, >90%, and 100%.
3	Operating With 1 battery charging in position 6 Note: Measurements were made when the battery level of the EUT was at a state of <10%, 50%, >90%, and 100%.
4	Operating With 6 batteries charging Note: Measurements were made when the battery level of the EUT was at a state of <10%, 50%, >90%, and 100%.
5	Operating With batteries charging while loaded in sterile container. Note: Measurements were spot checked with the battery level of the EUT was at a state of <10% and 100% to compare to measurements made without container.

Configurations 1 to 5 were assessed with small batteries and then repeated with large batteries. The configurations that are documented in the test report were found to be worst case.

NFC:

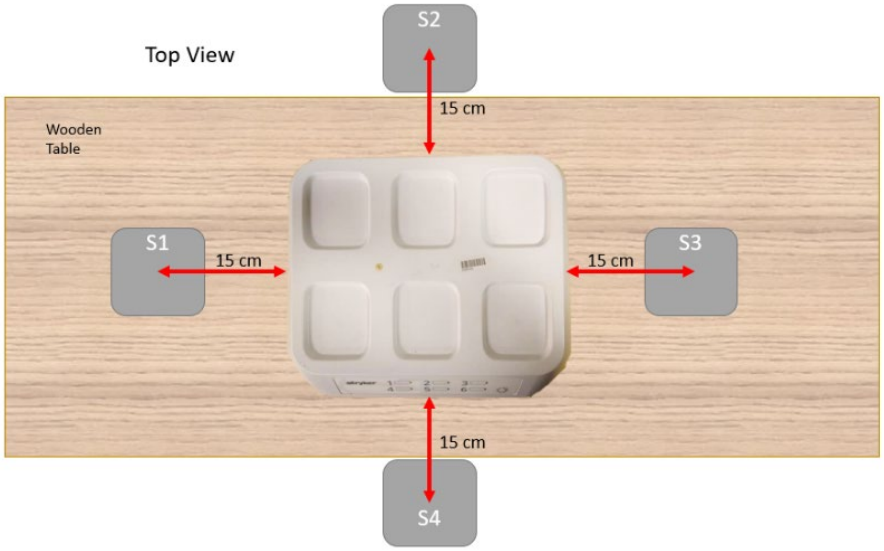
Mode
Operating Reading the tag of all 6 batteries

5.2.2. MEASUREMENT SETUP

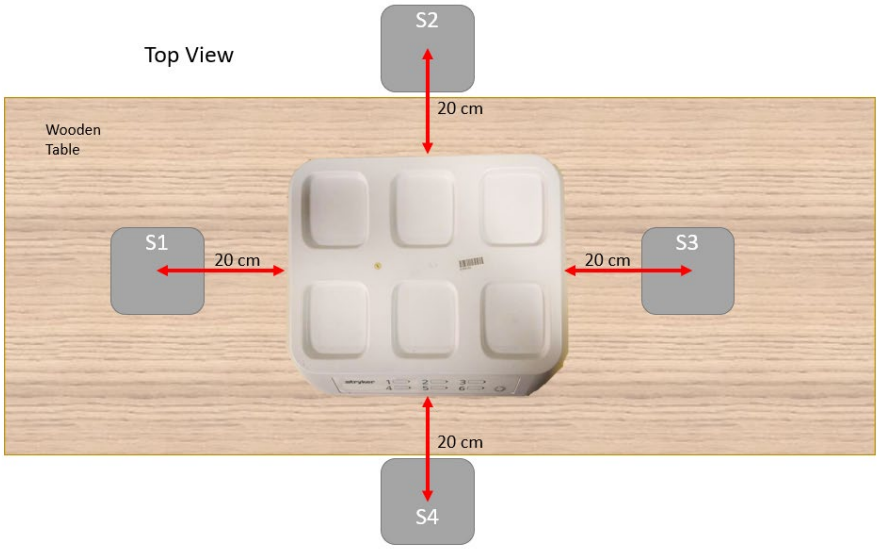
The measurement was taken using a probe the center of which was placed 15 cm from the device's edges and 20 cm from the top, per KDB 680106 D01 v03r01, Clause 3.c) for desktop applications and Clause 5.b).(6) for the top surface distance. NFC testing performed at 20 cm for all positions.

5.2.3. CONFIGURATION

WPT:



NFC:



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was used for the tests documented in this report:

Test Equipment List					
Description	**Manufacturer**	**Model**	**Equipment ID**	**Cal Date**	**Cal Due**
Electric and Magnetic Field Probe	Narda	EHP-200AC	FA0001	2021-07-14	2022-07-14
Spectrum Analyzer	Keysight	N9030A	SA0025	2022-05-02	2023-05-02

7. MAXIMUM PERMISSIBLE RF EXPOSURE TEST RESULTS

7.1. FCC LIMITS

§1.1310 The criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of §2.1093 of this chapter.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled 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	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*($180/f^2$)	30

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)—Continued

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

f = frequency in MHz
* = Plane-wave equivalent power density

NOTE 1 TO TABLE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2 TO TABLE 1: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

7.2. SUMMARY OF TEST RESULTS

7.2.1. RESULTS

WPT	**ID:**	84740/21193	**Date:**	2022-05-16 – 2022-05-26
NFC	**ID:**	84740/21193	**Date:**	2022-06-08

Note: Both magnetic and electric field strengths have been investigated from 9 kHz to 30 MHz at 15cm surrounding the device. The EUT's WPT operating frequency is 125.5 – 134.0 kHz.

The inductive wireless power transfer device meets all of the following requirements:

☒ Power transfer frequency is less than 1 MHz
☐ Output power from each primary coil is less than or equal to 15 watts.
☒ The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.
☒ Client device is placed directly in contact with the transmitter.
☒ Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
☐ The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

7.2.2. FCC RF Exposure Summary of Results

	Electric Field			Magnetic Field		
Mode	FCC Limit (V/m)	Maximum Average Reading (V/m)	Ratio to limit	FCC Limit (A/m)	Maximum Average Reading (A/m)	Ratio to limit
WPT	614	15.704	0.026	1.63	1.053	0.646
NFC	136	2.045	0.015	0.36	0.017	0.047
Total	Sum of ratios <1		0.041	Sum of ratios <1		0.693

Note: The maximum output power for each primary coil is 15.11 watts and maximum average H-field was more than 50% of the MPE limit. The TCB that applies for certification will need to submit a PAG filing through the KDB system.

7.3. DETAILED TEST RESULTS

7.3.1. E- FIELD AND H- FIELD MEASUREMENTS

The EUT uses 100% duty cycle when operating. No correction for duty cycle was applied to the measurements.

WPT:

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
1 - Small	Operating Power ~0% Charging	15 cm from sides and 20cm from top surface	614	S1	1.854	100.0	1.854	1.63	S1	0.197	100.0	0.197
				S2	1.597		1.597		S2	0.186		0.186
				S3	0.389		0.389		S3	0.029		0.029
				S4	0.421		0.421		S4	0.031		0.031
				Top	7.156		7.156		Top	0.786		0.786
				Max	7.156		7.156		Max	0.786		0.786
	Operating Power 50% Charging			S1	1.960	100.0	1.960		S1	0.208	100.0	0.208
				S2	1.557		1.557		S2	0.184		0.184
				S3	0.412		0.412		S3	0.024		0.024
				S4	0.451		0.451		S4	0.031		0.031
				Top	8.022		8.022		Top	0.865		**0.865**
				Max	8.022		8.022		Max	0.865		**0.865**
	Operating Power >90% Charging			S1	2.103	100.0	2.103		S1	0.259	100.0	0.259
				S2	1.403		1.403		S2	0.194		0.194
				S3	0.399		0.399		S3	0.029		0.029
				S4	0.413		0.413		S4	0.033		0.033
				Top	8.530		**8.530**		Top	0.854		**0.854**
				Max	8.530		**8.530**		Max	0.854		**0.854**
	Operating Power 100 % Charged			S1	1.569	100.0	1.569		S1	0.189	100.0	0.189
				S2	1.058		1.058		S2	0.177		0.177
				S3	0.387		0.387		S3	0.028		0.028
				S4	0.418		0.418		S4	0.029		0.029
				Top	5.993		5.993		Top	0.792		**0.792**
				Max	5.993		5.993		Max	0.792		**0.792**

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
1 - Large	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	2.567	100.0	2.567	1.63	S1	0.186	100.0	0.186
				S2	2.166		2.166		S2	0.180		0.180
				S3	0.424		0.424		S3	0.030		0.030
				S4	0.483		0.483		S4	0.031		0.031
				Top	10.393		10.393		Top	0.815		**0.815**
				Max	10.393		10.393		Max	0.815		**0.815**
	Operating Power 50% Charging			S1	2.609	100.0	2.609		S1	0.199	100.0	0.199
				S2	2.097		2.097		S2	0.181		0.181
				S3	0.423		0.423		S3	0.031		0.031
				S4	0.467		0.467		S4	0.034		0.034
				Top	11.572		11.572		Top	0.835		**0.835**
				Max	11.572		11.572		Max	0.835		**0.835**
	Operating Power >90% Charging			S1	2.641	100.0	2.641		S1	0.199	100.0	0.199
				S2	2.202		2.202		S2	0.202		0.202
				S3	0.431		0.431		S3	0.032		0.032
				S4	0.469		0.469		S4	0.030		0.030
				Top	11.985		**11.985**		Top	0.806		**0.806**
				Max	11.985		**11.985**		Max	0.806		**0.806**
	Operating Power 100 % Charged			S1	1.867	100.0	1.867		S1	0.189	100.0	0.189
				S2	1.373		1.373		S2	0.202		0.202
				S3	0.394		0.394		S3	0.030		0.030
				S4	0.403		0.403		S4	0.032		0.032
				Top	7.926		7.926		Top	0.782		0.782
				Max	7.926		7.926		Max	0.782		0.782

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
2 - Small	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	0.540	100.0	0.540	1.63	S1	0.056	100.0	0.056
				S2	1.373		1.373		S2	0.137		0.137
				S3	0.486		0.486		S3	0.078		0.078
				S4	0.434		0.434		S4	0.029		0.029
				Top	7.323		7.323		Top	0.743		**0.743**
				Max	7.323		7.323		Max	0.743		**0.743**
	Operating Power 50% Charging			S1	0.545	100.0	0.545		S1	0.056	100.0	0.056
				S2	1.276		1.276		S2	0.120		0.120
				S3	0.482		0.482		S3	0.077		0.077
				S4	0.416		0.416		S4	0.035		0.035
				Top	8.243		**8.243**		Top	0.751		**0.751**
				Max	8.243		**8.243**		Max	0.751		**0.751**
	Operating Power >90% Charging			S1	0.531	100.0	0.531		S1	0.055	100.0	0.055
				S2	1.393		1.393		S2	0.125		0.125
				S3	0.489		0.489		S3	0.079		0.079
				S4	0.431		0.431		S4	0.028		0.028
				Top	7.669		7.669		Top	0.782		**0.782**
				Max	7.669		7.669		Max	0.782		**0.782**
	Operating Power 100 % Charged			S1	0.497	100.0	0.497		S1	0.050	100.0	0.050
				S2	1.059		1.059		S2	0.120		0.120
				S3	0.429		0.429		S3	0.068		0.068
				S4	0.437		0.437		S4	0.028		0.028
				Top	5.520		5.520		Top	0.717		0.717
				Max	5.520		5.520		Max	0.717		0.717

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
2 - Large	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	0.684	100.0	0.684	1.63	S1	0.054	100.0	0.054
				S2	1.701		1.701		S2	0.121		0.121
				S3	0.502		0.502		S3	0.082		0.082
				S4	0.434		0.434		S4	0.028		0.028
				Top	11.380		11.380		Top	0.804		**0.804**
				Max	11.380		11.380		Max	0.804		**0.804**
	Operating Power 50% Charging			S1	0.714	100.0	0.714		S1	0.054	100.0	0.054
				S2	1.731		1.731		S2	0.120		0.120
				S3	0.555		0.555		S3	0.088		0.088
				S4	0.443		0.443		S4	0.038		0.038
				Top	11.825		11.825		Top	0.791		**0.791**
				Max	11.825		11.825		Max	0.791		**0.791**
	Operating Power >90% Charging			S1	0.742	100.0	0.742		S1	0.056	100.0	0.056
				S2	1.830		1.830		S2	0.126		0.126
				S3	0.557		0.557		S3	0.086		0.086
				S4	0.455		0.455		S4	0.038		0.038
				Top	12.994		**12.994**		Top	0.805		**0.805**
				Max	12.994		**12.994**		Max	0.805		**0.805**
	Operating Power 100 % Charged			S1	0.556	100.0	0.556		S1	0.050	100.0	0.050
				S2	1.158		1.158		S2	0.119		0.119
				S3	0.452		0.452		S3	0.079		0.079
				S4	0.464		0.464		S4	0.031		0.031
				Top	8.213		8.213		Top	0.722		0.722
				Max	8.213		8.213		Max	0.722		0.722

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
3 - Small	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	0.393	100.0	0.393	1.63	S1	0.020	100.0	0.020
				S2	0.422		0.422		S2	0.043		0.043
				S3	1.328		1.328		S3	0.224		0.224
				S4	1.178		1.178		S4	0.079		0.079
				Top	8.384		8.384		Top	0.787		**0.787**
				Max	8.384		8.384		Max	0.787		**0.787**
	Operating Power 50% Charging			S1	0.396	100.0	0.396		S1	0.022	100.0	0.022
				S2	0.436		0.436		S2	0.044		0.044
				S3	1.364		1.364		S3	0.235		0.235
				S4	1.234		1.234		S4	0.078		0.078
				Top	8.035		8.035		Top	0.677		0.677
				Max	8.035		8.035		Max	0.677		0.677
	Operating Power >90% Charging			S1	0.404	100.0	0.404		S1	0.022	100.0	0.022
				S2	0.445		0.445		S2	0.046		0.046
				S3	1.389		1.389		S3	0.231		0.231
				S4	1.281		1.281		S4	0.082		0.082
				Top	8.669		**8.669**		Top	0.787		**0.787**
				Max	8.669		**8.669**		Max	0.787		**0.787**
	Operating Power 100 % Charged			S1	0.397	100.0	0.397		S1	0.022	100.0	0.022
				S2	0.391		0.391		S2	0.045		0.045
				S3	0.916		0.916		S3	0.234		0.234
				S4	0.715		0.715		S4	0.092		0.092
				Top	5.631		5.631		Top	0.707		**0.707**
				Max	5.631		5.631		Max	0.707		**0.707**

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
3 - Large	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	0.424	100.0	0.424	1.63	S1	0.021	100.0	0.021
				S2	0.497		0.497		S2	0.041		0.041
				S3	1.849		1.849		S3	0.206		0.206
				S4	1.566		1.566		S4	0.073		0.073
				Top	11.051		11.051		Top	0.693		0.693
				Max	11.051		11.051		Max	0.693		0.693
	Operating Power 50% Charging			S1	0.436	100.0	0.436		S1	0.024	100.0	0.024
				S2	0.541		0.541		S2	0.044		0.044
				S3	1.887		1.887		S3	0.232		0.232
				S4	1.592		1.592		S4	0.086		0.086
				Top	12.614		**12.614**		Top	0.796		**0.796**
				Max	12.614		**12.614**		Max	0.796		**0.796**
	Operating Power >90% Charging			S1	0.442	100.0	0.442		S1	0.025	100.0	0.025
				S2	0.529		0.529		S2	0.042		0.042
				S3	1.914		1.914		S3	0.207		0.207
				S4	1.626		1.626		S4	0.082		0.082
				Top	12.462		12.462		Top	0.832		**0.832**
				Max	12.462		12.462		Max	0.832		**0.832**
	Operating Power 100 % Charged			S1	0.427	100.0	0.427		S1	0.026	100.0	0.026
				S2	0.458		0.458		S2	0.045		0.045
				S3	1.144		1.144		S3	0.186		0.186
				S4	1.111		1.111		S4	0.080		0.080
				Top	8.044		8.044		Top	0.794		**0.794**
				Max	8.044		8.044		Max	0.794		**0.794**

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
4 - Small	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	2.053	100.0	2.053	1.63	S1	0.248	100.0	0.248
				S2	1.890		1.890		S2	0.242		0.242
				S3	1.710		1.710		S3	0.291		0.291
				S4	1.539		1.539		S4	0.107		0.107
				Top	9.512		9.512		Top	1.053		**1.053**
				Max	9.512		9.512		Max	1.053		**1.053**
	Operating Power 50% Charging			S1	2.595	100.0	2.595		S1	0.245	100.0	0.245
				S2	1.873		1.873		S2	0.242		0.242
				S3	1.821		1.821		S3	0.304		0.304
				S4	1.631		1.631		S4	0.107		0.107
				Top	9.634		**9.634**		Top	1.028		**1.028**
				Max	9.634		**9.634**		Max	1.028		**1.028**
	Operating Power >90% Charging			S1	2.270	100.0	2.270		S1	0.252	100.0	0.252
				S2	2.037		2.037		S2	0.255		0.255
				S3	1.921		1.921		S3	0.288		0.288
				S4	1.729		1.729		S4	0.119		0.119
				Top	9.099		9.099		Top	1.038		**1.038**
				Max	9.099		9.099		Max	1.038		**1.038**
	Operating Power 100 % Charged			S1	1.602	100.0	1.602		S1	0.224	100.0	0.224
				S2	1.291		1.291		S2	0.236		0.236
				S3	1.076		1.076		S3	0.268		0.268
				S4	1.046		1.046		S4	0.108		0.108
				Top	6.216		6.216		Top	1.007		1.007
				Max	6.216		6.216		Max	1.007		1.007

Config	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
4 - Large	Operating Power ~ 0% Charging	15 cm from sides and 20cm from top surface	614	S1	2.768	100.0	2.768	1.63	S1	0.252	100.0	0.252
				S2	2.292		2.292		S2	0.306		0.306
				S3	2.114		2.114		S3	0.312		0.312
				S4	1.646		1.646		S4	0.174		0.174
				Top	12.909		12.909		Top	0.964		0.964
				Max	12.909		12.909		Max	0.964		0.964
	Operating Power 50% Charging			S1	3.188	100.0	3.188		S1	0.248	100.0	0.248
				S2	2.278		2.278		S2	0.275		0.275
				S3	2.192		2.192		S3	0.317		0.317
				S4	1.739		1.739		S4	0.115		0.115
				Top	15.704		**15.704**		Top	1.020		**1.020**
				Max	15.704		**15.704**		Max	1.020		**1.020**
	Operating Power >90% Charging			S1	2.905	100.0	2.905		S1	0.246	100.0	0.246
				S2	2.314		2.314		S2	0.277		0.277
				S3	2.192		2.192		S3	0.364		0.364
				S4	1.427		1.427		S4	0.166		0.166
				Top	14.532		14.532		Top	1.014		**1.014**
				Max	14.532		14.532		Max	1.014		**1.014**
	Operating Power 100 % Charged			S1	1.856	100.0	1.856		S1	0.224	100.0	0.224
				S2	1.330		1.330		S2	0.242		0.242
				S3	1.517		1.517		S3	0.167		0.167
				S4	1.083		1.083		S4	0.113		0.113
				Top	7.768		7.768		Top	1.028		**1.028**
				Max	7.768		7.768		Max	1.028		**1.028**

Worse-Case Mode Spot-checks

Config 5	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)	
			FCC	Location	Value	FCC	Location	Value
Small Battery w/ container	Operating Power ~ 0% Charging	20cm from top surface	614	Top	4.429	1.63	Top	0.443
	Operating Power 100 % Charged			Top	1.445		Top	0.380
Small Battery w/o container	Operating Power ~ 0% Charging	20cm from top surface	614	Top	8.467	1.63	Top	1.010
	Operating Power 100 % Charged			Top	6.386		Top	1.031

Config 5	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)	
			FCC	Location	Value	FCC	Location	Value
Large Battery w/ container	Operating Power ~ 0% Charging	20cm from top surface	614	Top	6.865	1.63	Top	0.508
	Operating Power 100 % Charged			Top	1.919		Top	0.437
Large Battery w/o container	Operating Power ~ 0% Charging	20cm from top surface	614	Top	14.757	1.63	Top	1.027
	Operating Power 100 % Charged			Top	9.545		Top	0.968

Config 5	Test Mode	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)	
			FCC	Location	Value	FCC	Location	Value
Large Battery w/ 3 battery container	Operating Power ~ 0% Charging	20cm from top surface	614	Top	6.038	1.63	Top	0.347
	Operating Power 100 % Charged			Top	1.990		Top	0.331

NFC:

Config	Meas Dist (cm)	E field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
		FCC	Location	Value	Duty Cycle %	FCC Average	FCC	Location	Value	Duty Cycle %	FCC Average
NFC 13.56MHz	20cm from sides and top surface	136	S1	0.605	100.0	0.605	0.36	S1	0.017	100.0	**0.017**
			S2	0.691		0.691		S2	0.017		**0.017**
			S3	0.670		0.670		S3	0.017		**0.017**
			S4	0.617		0.617		S4	0.017		**0.017**
			Top	2.045		**2.045**		Top	0.016		**0.016**
			Max	2.045		**2.045**		Max	0.017		**0.017**

8. SETUP PHOTO

Refer to R14204340-SP1 photos exhibit.

END OF REPORT