FCC Part 1 Subpart I
FCC Part 2 Subpart J

CERTIFICATION TEST REPORT

FOR

SMART PHONE

MODEL NO: A2342 (Full Test)
A2410 (Spot Check Worst Case)
A2411/A2412/A2413 (Spot Check Worst Case)

FCC ID: BCG-E3548A (Full Test)
BCG-E3549A (Spot Check Worst Case)
BCG-E3550A (Spot Check Worst Case)

REPORT NUMBER: 13335182-E16V1

ISSUE DATE: SEPTEMBER 11, 2020

Prepared for
APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A

Prepared by
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888

NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	09/11/2020	Initial Issue	T. Chan

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4701I
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A

EUT DESCRIPTION: SMARTPHONE

MODEL: A2342 (Full Test)
A2410 (Spot Check Worst Case)
A2411, A2412, A2413 (Spot Check Worst Case)

SERIAL NUMBER: G6TCQ078Q892 (A2342)
G6TCQ00UQ88D (A2410)
G6TD502D06QM (A2411)

DATE TESTED: August 17 – 19, 2020

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

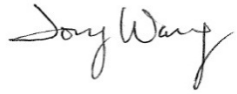
UL Verification Services Inc. measured the RF Exposure of the above equipment in accordance with the requirements set forth in the above standards, using test results reported in the test report documents referenced below and/or documentation furnished by the applicant. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations of these calculations. The results show that the equipment is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Reviewed By:

Thu Chan
Staff Engineer
UL Verification Service Inc.

Prepared By:



Tony Wang
Test Engineer
UL Verification Services Inc.

2. TEST METHODOLOGY

All calculations were made in accordance with FCC OET Bulletin 65 Edition 97-01.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street	47658 Kato Rd.
☐ Chamber A (IC:2324B-1)	☐ Chamber D (IC:22541-1)	☐ Chamber I (IC: 2324A-5)
☐ Chamber B (IC:2324B-2)	☐ Chamber E (IC:22541-2)	☐ Chamber J (IC: 2324A-6)
☐ Chamber C (IC:2324B-3)	☐ Chamber F (IC:22541-3)	☐ Chamber K (IC: 2324A-1)
☒ Temperature B Room	☐ Chamber G (IC:22541-4)	☐ Chamber L (IC: 2324A-3)
	☐ Chamber H (IC:22541-5)	

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers above are covered under Industry Canada company address and respective code

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0

4. KDB 680106 D01 SECTION 5b EQUIPMENT APPROVAL CONSIDERATIONS

Requirement	Device
(1) Power transfer frequency is less than 1 MHz.	Yes. Operating Frequency is 360 kHz
(2) Output power from each primary coil is less than or equal to 15 watts.	Yes. The maximum power is 5 Watts
(3) 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.	Yes. The system includes one single primary and secondary coil and the device is designed to charge a single client
(4) Client device is placed directly in contact with the transmitter.	Yes. The client device is placed directly in contact with the transmitter.
(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).	No. It is a portable device.
(6) 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.	No. The measurement is based on KDB inquiry which 0mm distance is set for all positions testing.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with multimedia functions (music, application support, and video), cellular GSM, GPRS, EGPRS, UMTS, LTE, 5G, CDMA, IEEE 802.11a/b/g/n/ac/ax, Bluetooth, Ultra-Wideband, GPS, NFC and WPT. All models support at least one UICC based SIM. The second SIM is either an UICC based p-SIM (physical SIM) or e-SIM (electronic SIM). The device supports a built-in inductive charging transmitter and receiver. The rechargeable battery is not user accessible.

5.2. INTRODUCTION

According to the manufacturer, FCC ID: BCG-E3548A, FCC ID: BCG-E3549A, and FCC ID: BCG-E3550A RF radios are electrically identical, they all have the same PCB layout, design, common components, antennas, antenna locations and housing cases. The major difference between the parent/reference model and the variant models is the depopulation in the variant models of the mmWave transmitter. All other circuitry and features are identical. The FCC ID: BCG-E3548A test data shall remain representative of FCC ID: BCG-E3549A and FCC ID: BCG-E3550A. The variant models were spot check on worst case mode only.

5.3. WORST-CASE CONFIGURATION AND MODE

The EUT is a smartphone which connected to the AC/DC adapter via USB-C cable, and the inductive charging coil to charge WPT Client. For the entire radiated emissions test, the EUT was investigated on the following configuration during the test at its natural orientation.

Model A2342 (Full Test):

Config	Mode	Descriptions
1	Operating	Direct contact charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
2	Operating	2mm airgap charging between the EUT & WPT Client + 2mm offset shift to Top or Bottom, and the EUT is powered by AC/DC adapter via USB-C cable.
3	Operating	3mm airgap charging between the EUT & WPT Client + 3mm offset shift to Top or Bottom, and the EUT is powered by AC/DC adapter via USB-C cable.

Model A2410 (Spot Check Worst Case):

Config	Mode	Descriptions
2	Operating	2mm Airgap charging between the EUT & WPT Client + 2mm offset shift to Top @ 25 ~ 60% power charging, and EUT powered by AC/DC adapter via USB-C cable.

Model A2411 (Spot Check Worst Case):

Config	Mode	Descriptions
2	Operating	2mm Airgap charging between the EUT & WPT Client + 2mm offset shift to Top @ 25 ~ 60% power charging, and EUT powered by AC/DC adapter via USB-C cable.

5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

SUPPORT EQUIPMENT & PERIPHERALS LIST			
Description	**Manufacturer**	**Model**	**Serial Number**
WPT Client	N/A	N/A	N/A
AC/DC Adapter	Apple	A1385	N/A

I/O CABLES

The EUT with lightning to USB-C cable powered by AC/DC Adapter.

TEST SETUP

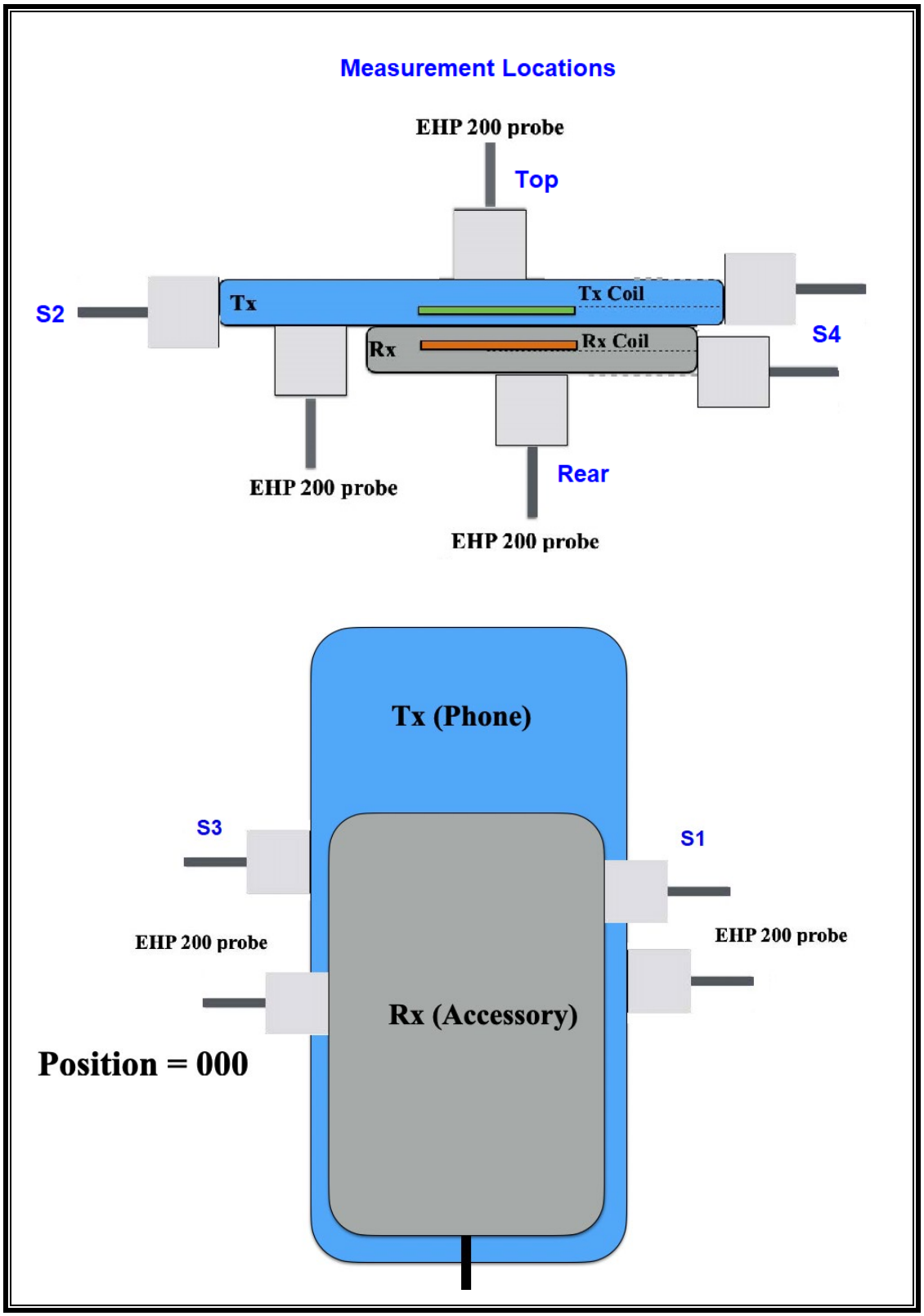
The following three configurations are tested:

Configuration	Mode	Descriptions
1 (Direct Contact)	Operating (WPT Client, ~25% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client
	Operating (WPT Client, 25%~60% Power Charging)	
	Operating (WPT Client >75% Power Charging)	
2 (2mm Airgap + 2mm Shift to Top or Bottom)	Operating (WPT Client, ~25% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client
	Operating (WPT Client, 25%~60% Power Charging)	
	Operating (WPT Client >75% Power Charging)	
3 (3mm Airgap + 3mm Shift to Top or Bottom)	Operating (WPT Client, ~25% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client
	Operating (WPT Client, 25%~60% Power Charging)	
	Operating (WPT Client >75% Power Charging)	

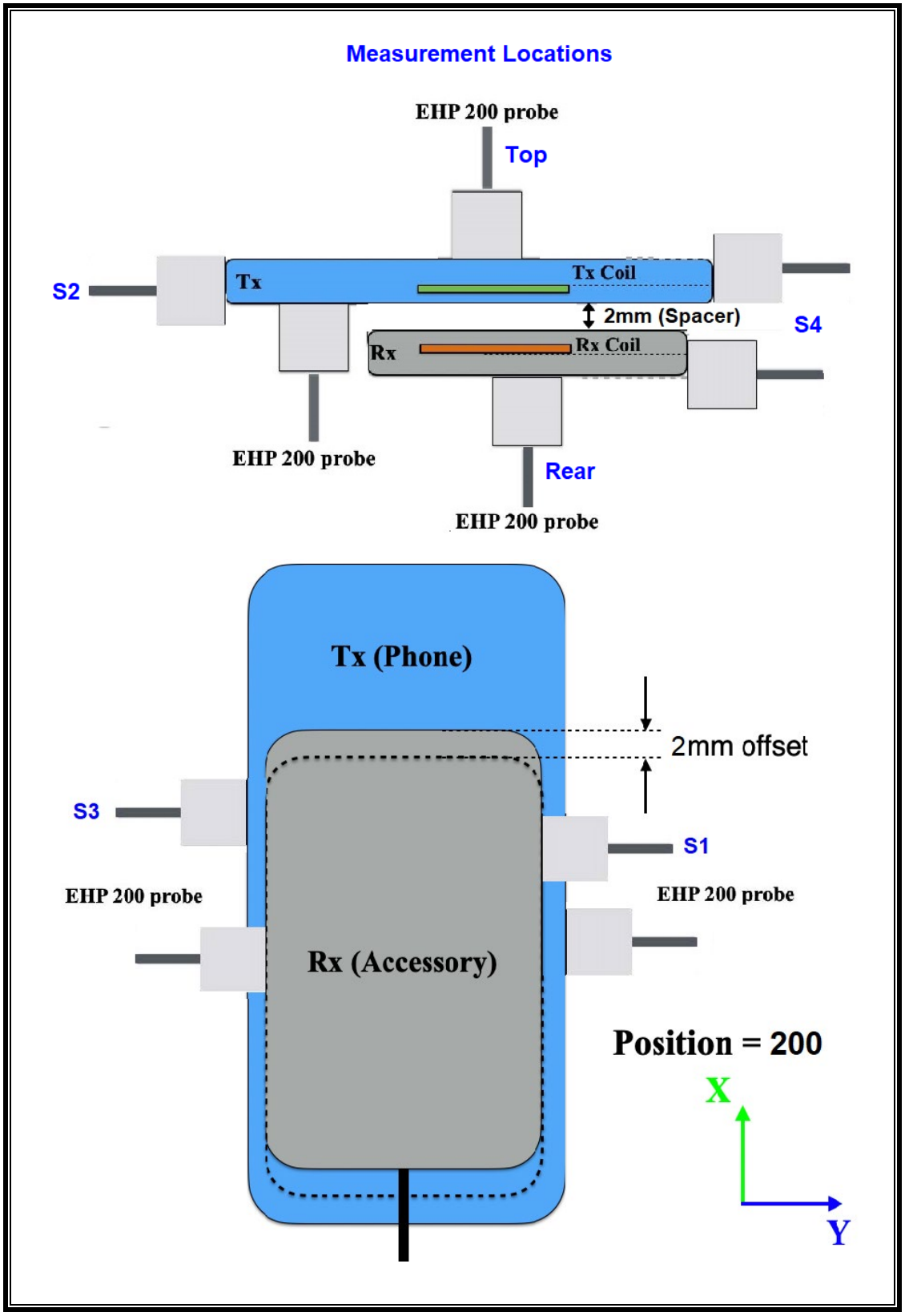
MEASUREMENT SETUP

The measurement was taken using a probe placed 0 mm surrounding the device. Measurements were taken from the top and all sides of the EUT per KDB680106 D01 v03 and the manufacturer KDB inquiry.

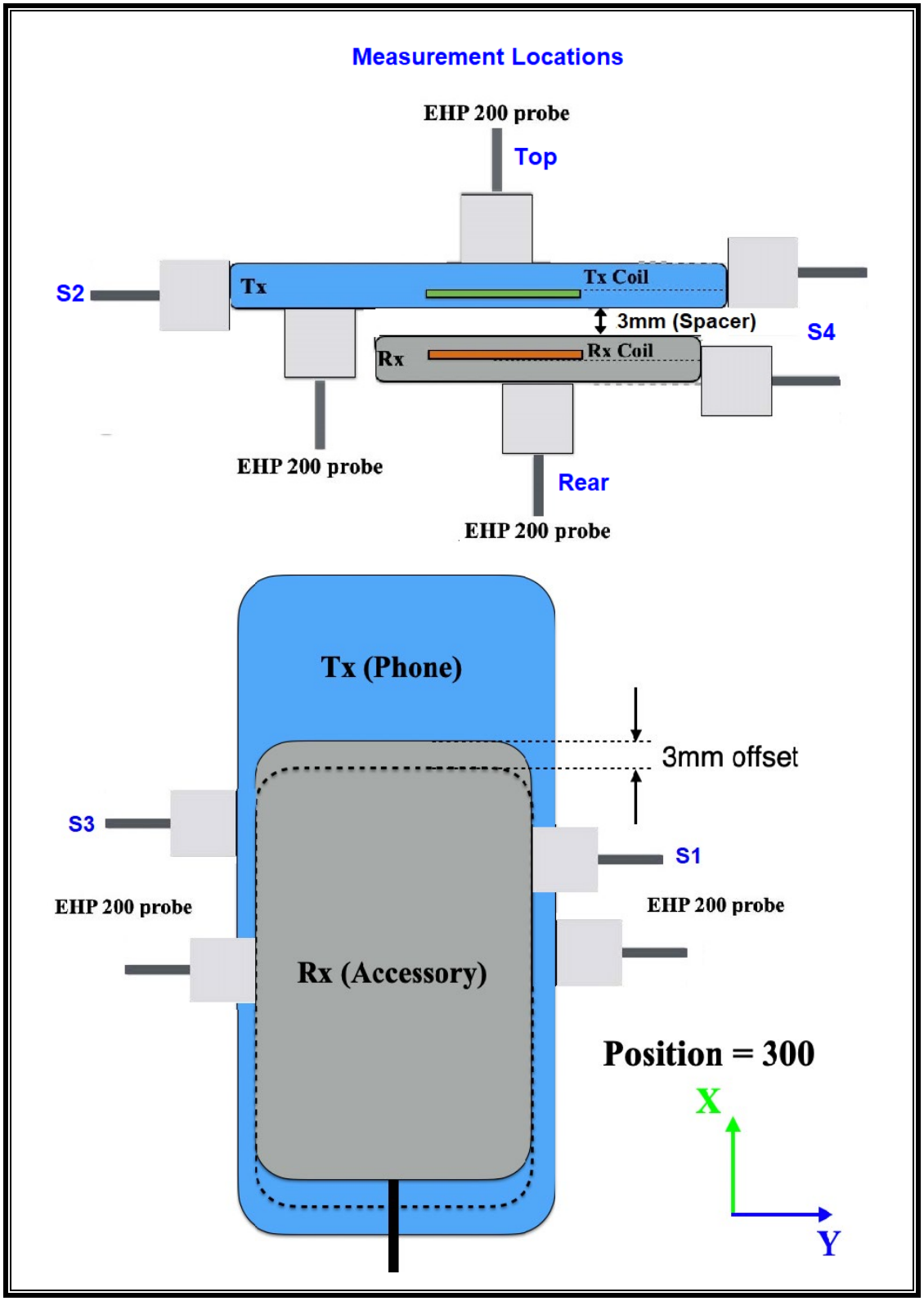
CONFIGURATION 1



CONFIGURATION 2



CONFIGURATION 3



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**	**S/N**	**Label ID**	**Cal Date**	**Cal Due**
Electric and Magnetic Field Probe	Narda	EHP-200A	160WX41008	T1085	11/25/2019	11/25/2020

7. DUTY CYCLE

LIMITS

None; for reporting purposes only.

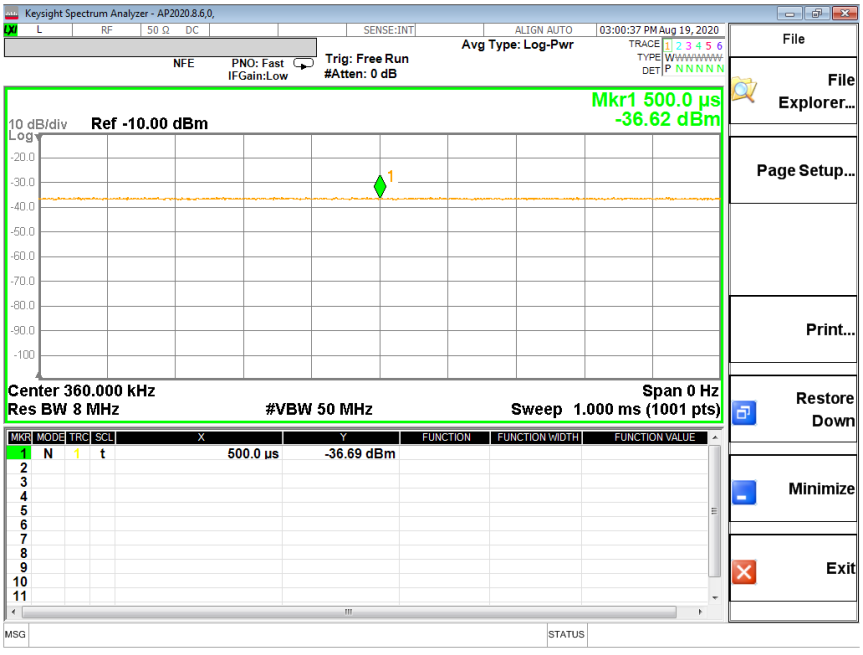
PROCEDURE

Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
Operating	100.00	100.00	1.00	100.00%	0.00

OPERATING MODE



8. MAXIMUM PERMISSIBLE RF EXPOSURE

8.1. FCC LIMITS AND SUMMARY

§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.

8.1.1. MODEL A2342

RESULTS

ID:	38602	Date:	8/17/20

FCC RF Exposure Summary of Results

Configuration #1:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	4.231	0.69%	1.63	0.472	28.95%

Configuration #2:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	4.594	0.75%	1.63	1.226	75.21%

Configuration #3:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	6.252	1.02%	1.63	0.942	57.80%

E- FIELD AND H- FIELD MEASUREMENTS

Note: Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Field Strength x √Duty Cycle].

Configuration #1

FCC Limit

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
1	Operating Real Product (Power ~25% Charging)	0	614	S1	0.245	100	0.245	1.63	S1	0.142	100	0.142
				S2	0.218		0.218		S2	0.044		0.044
				S3	0.290		0.290		S3	0.154		0.154
				S4	0.282		0.282		S4	0.048		0.048
				Rear	4.037		4.037		Rear	0.324		0.324
				Top	0.245		0.245		Top	0.252		0.252
				Max	4.037		4.037		Max	0.324		0.324
	Operating Real Product (Power 25% ~ 60% Charging)			S1	0.235	100	0.235		S1	0.154	100	0.154
				S2	0.227		0.227		S2	0.044		0.044
				S3	0.282		0.282		S3	0.136		0.136
				S4	0.235		0.235		S4	0.043		0.043
				Rear	3.620		3.620		Rear	0.472		**0.472**
				Top	0.251		0.251		Top	0.239		0.239
				Max	3.620		3.620		Max	0.472		**0.472**
	Operating Real Product (Power >75% Charging)			S1	0.235	100	0.235		S1	0.087	100	0.087
				S2	0.227		0.227		S2	0.045		0.045
				S3	0.283		0.283		S3	0.102		0.102
				S4	0.253		0.253		S4	0.051		0.051
				Rear	4.231		4.231		Rear	0.364		0.364
				Top	0.384		0.384		Top	0.300		0.300
				Max	4.231		**4.231**		Max	0.364		0.364

Configuration #2

FCC Limit

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power ~25% Charging) (2mm Airgap at Center)	0	614	S1	0.235	100	0.235	1.63	S1	0.061	100	0.061
				S2	0.227		0.227		S2	0.040		0.040
				S3	0.228		0.228		S3	0.091		0.091
				S4	0.283		0.283		S4	0.040		0.040
				Rear	2.210		2.210		Rear	0.114		0.114
				Top	0.235		0.235		Top	0.443		0.443
				Max	2.231		2.231		Max	0.453		0.453
	Operating Real Product (Power ~25% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.282	100	0.282		S1	0.408	100	0.408
				S2	0.244		0.244		S2	0.176		0.176
				S3	0.522		0.522		S3	0.352		0.352
				S4	0.332		0.332		S4	0.096		0.096
				Rear	2.973		2.973		Rear	0.491		0.491
				Top	0.501		0.501		Top	0.481		0.481
				Max	4.452		4.452		Max	0.913		0.913
	Operating Real Product (Power ~25% Charging) (2mm Airgap & @2mm Shift to the Bottom)			S1	0.023	100	0.023		S1	0.203	100	0.203
				S2	0.218		0.218		S2	0.041		0.041
				S3	0.328		0.328		S3	0.153		0.153
				S4	0.294		0.294		S4	0.038		0.038
				Rear	2.245		2.245		Rear	0.230		0.230
				Top	0.332		0.332		Top	0.448		0.448
				Max	3.754		3.754		Max	0.448		0.448
	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap at Center)			S1	0.227	100	0.227		S1	0.074	100	0.074
				S2	0.218		0.218		S2	0.036		0.036
				S3	0.235		0.235		S3	0.112		0.112
				S4	0.227		0.227		S4	0.043		0.043
				Rear	1.222		1.222		Rear	0.081		0.081
				Top	0.227		0.227		Top	0.431		0.431
				Max	2.190		2.190		Max	0.455		0.455
	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.310	100	0.310		S1	0.404	100	0.404
				S2	0.235		0.235		S2	0.177		0.177
				S3	0.464		0.464		S3	0.425		0.425
				S4	0.352		0.352		S4	0.097		0.097
				Rear	3.075		3.075		Rear	0.501		0.501
				Top	0.430		0.430		Top	0.485		0.485
				Max	4.594		4.594		Max	1.226		1.226
	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Bottom)			S1	0.244	100	0.244		S1	0.194	100	0.194
				S2	0.228		0.228		S2	0.036		0.036
				S3	0.318		0.318		S3	0.144		0.144
				S4	0.282		0.282		S4	0.039		0.039
				Rear	3.542		3.542		Rear	0.202		0.202
				Top	0.411		0.411		Top	0.442		0.442
				Max	3.544		3.544		Max	0.442		0.442
	Operating Real Product (Power >75% Charging) (2mm Airgap at Center)			S1	0.245	100	0.245		S1	0.069	100	0.069
				S2	0.227		0.227		S2	0.036		0.036
				S3	0.317		0.317		S3	0.098		0.098
				S4	0.227		0.227		S4	0.044		0.044
				Rear	3.288		3.288		Rear	0.117		0.117
				Top	0.273		0.273		Top	0.437		0.437
				Max	3.747		3.747		Max	0.452		0.452
	Operating Real Product (Power >75% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.311	100	0.311		S1	0.392	100	0.392
				S2	0.232		0.232		S2	0.182		0.182
				S3	0.467		0.467		S3	0.421		0.421
				S4	0.333		0.333		S4	0.097		0.097
				Rear	3.110		3.110		Rear	0.516		0.516
				Top	0.412		0.412		Top	0.521		0.521
				Max	4.569		4.569		Max	1.222		1.222
	Operating Real Product (Power >75% Charging) (2mm Airgap & 2mm Shift to the Bottom)			S1	0.253	100	0.253		S1	0.179	100	0.179
				S2	0.222		0.222		S2	0.039		0.039
				S3	0.321		0.321		S3	0.144		0.144
				S4	0.283		0.283		S4	0.038		0.038
				Rear	2.315		2.315		Rear	0.193		0.193
				Top	0.292		0.292		Top	0.442		0.442
				Max	3.516		3.516		Max	0.442		0.442

Configuration #3

FCC Limit

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
3	Operating Real Product (Power ~25% Charging) (3mm Airgap at Center)	0	614	S1	0.282	100	0.282	1.63	S1	0.192	100	0.192
				S2	0.227		0.227		S2	0.044		0.044
				S3	0.328		0.328		S3	0.245		0.245
				S4	0.316		0.316		S4	0.048		0.048
				Rear	4.328		4.328		Rear	0.298		0.298
				Top	0.444		0.444		Top	0.368		0.368
				Max	4.328		4.328		Max	0.508		0.508
	Operating Real Product (Power ~25% Charging) (3mm Airgap & 3mm Shift to the Top)			S1	0.349	100	0.349		S1	0.604	100	0.604
				S2	0.245		0.245		S2	0.201		0.201
				S3	0.408		0.408		S3	0.323		0.323
				S4	0.310		0.310		S4	0.053		0.053
				Rear	5.350		5.350		Rear	0.321		0.321
				Top	0.594		0.594		Top	0.377		0.377
				Max	6.072		6.072		Max	0.898		0.898
	Operating Real Product (Power ~25% Charging) (3mm Airgap & @3mm Shift to the Bottom)			S1	0.274	100	0.274		S1	0.193	100	0.193
				S2	0.227		0.227		S2	0.034		0.034
				S3	0.300		0.300		S3	0.094		0.094
				S4	0.282		0.282		S4	0.054		0.054
				Rear	4.375		4.375		Rear	0.151		0.151
				Top	0.413		0.413		Top	0.397		0.397
				Max	5.748		5.748		Max	0.410		0.410
	Operating Real Product (Power 25% ~ 60% Charging) (3mm Airgap at Center)			S1	0.274	100	0.274		S1	0.189	100	0.189
				S2	0.222		0.222		S2	0.043		0.043
				S3	0.353		0.353		S3	0.253		0.253
				S4	0.331		0.331		S4	0.049		0.049
				Rear	5.366		5.366		Rear	0.326		0.326
				Top	0.429		0.429		Top	0.454		0.454
				Max	5.371		5.371		Max	0.503		0.503
	Operating Real Product (Power 25% ~ 60% Charging) (3mm Airgap & 3mm Shift to the Top)			S1	0.290	100	0.290		S1	0.747	100	0.747
				S2	0.235		0.235		S2	0.201		0.201
				S3	0.381		0.381		S3	0.313		0.313
				S4	0.310		0.310		S4	0.059		0.059
				Rear	6.051		6.051		Rear	0.331		0.331
				Top	0.685		0.685		Top	0.361		0.361
				Max	6.252		**6.252**		Max	0.942		**0.942**
	Operating Real Product (Power 25% ~ 60% Charging) (3mm Airgap & 3mm Shift to the Bottom)			S1	0.282	100	0.282		S1	0.180	100	0.180
				S2	0.230		0.230		S2	0.036		0.036
				S3	0.389		0.389		S3	0.111		0.111
				S4	0.300		0.300		S4	0.061		0.061
				Rear	3.143		3.143		Rear	0.485		0.485
				Top	0.399		0.399		Top	0.461		0.461
				Max	3.258		3.258		Max	0.485		0.485
	Operating Real Product (Power >75% Charging) (3mm Airgap at Center)			S1	0.273	100	0.273		S1	0.172	100	0.172
				S2	0.227		0.227		S2	0.044		0.044
				S3	0.349		0.349		S3	0.232		0.232
				S4	0.236		0.236		S4	0.045		0.045
				Rear	5.409		5.409		Rear	0.486		0.486
				Top	0.438		0.438		Top	0.177		0.177
				Max	5.467		5.467		Max	0.523		0.523
	Operating Real Product (Power >75% Charging) (3mm Airgap & 3mm Shift to the Top)			S1	0.322	100	0.322		S1	0.604	100	0.604
				S2	0.235		0.235		S2	0.201		0.201
				S3	0.381		0.381		S3	0.234		0.234
				S4	0.310		0.310		S4	0.056		0.056
				Rear	5.818		5.818		Rear	0.344		0.344
				Top	0.469		0.469		Top	0.354		0.354
				Max	5.913		5.913		Max	0.935		0.935
	Operating Real Product (Power >75% Charging) (3mm Airgap & 3mm Shift to the Bottom)			S1	0.262	100	0.262		S1	0.691	100	0.691
				S2	0.243		0.243		S2	0.113		0.113
				S3	0.303		0.303		S3	0.535		0.535
				S4	0.256		0.256		S4	0.100		0.100
				Rear	3.134		3.134		Rear	0.381		0.381
				Top	0.274		0.274		Top	0.414		0.414
				Max	3.134		3.134		Max	0.447		0.447

8.2.1. MODEL A2410

RESULTS

ID:	38602	Date:	8/18/20

FCC RF Exposure Summary of Results

Configuration #2:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	2.240	0.36%	1.63	1.024	62.84%

E- FIELD AND H- FIELD MEASUREMENTS

Note: Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Field Strength x √Duty Cycle].

Configuration #2:

FCC Limit

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	S1	0.272	100	0.272	1.63	S1	0.117	100	0.117
				S2	0.230		0.230		S2	0.170		0.170
				S3	0.374		0.374		S3	0.177		0.177
				S4	0.226		0.226		S4	0.162		0.162
				Rear	2.240		**2.240**		Rear	1.024		**1.024**
				Top	0.284		0.284		Top	0.500		0.500
				Max	2.240		**2.240**		Max	1.024		**1.024**

8.2.2. MODEL A2411

RESULTS

ID:	38602	Date:	8/18/20

FCC RF Exposure Summary of Results

Configuration #2:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	1.169	0.19%	1.63	0.867	53.19%

E- FIELD AND H- FIELD MEASUREMENTS

Note: Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Field Strength x √Duty Cycle].

Configuration #2:

FCC Limit

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	S1	0.246	100	0.246	1.63	S1	0.215	100	0.215
				S2	0.227		0.227		S2	0.177		0.177
				S3	0.342		0.342		S3	0.502		0.502
				S4	0.234		0.234		S4	0.096		0.096
				Rear	1.060		1.060		Rear	0.504		0.504
				Top	0.244		0.244		Top	0.439		0.439
				Max	1.169		**1.169**		Max	0.867		**0.867**

9. SETUP PHOTO

Please see setup photo report 13335182-EP1

END OF REPORT