



FCC Part 1 Subpart I
FCC Part 2 Subpart J

CERTIFICATION TEST REPORT

FOR

SMART PHONE

**MODEL NO: A2176 (Full Test)
A2398 (Spot Check Worst Case)
A2399/A2400/A2401 (Spot Check Worst Case)**

**FCC ID: BCG-E3539A (Full Test)
BCG-E3540A (Spot Check Worst Case)
BCG-E3541A (Spot Check Worst Case)**

REPORT NUMBER: 13179110-E16V1

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Prepared for
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Revision History

Rev.	Issue Date	Revisions	Revised By
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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: A2176 (Full Test)
A2398 (Spot Check Worst Case)
A2399, A2400, A2401 (Spot Check Worst Case)

SERIAL NUMBER: C7CCV03TQ918 (A2176)
C7CCV00AQ920 (A2398)
C7CCV005Q920 (A2399)

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.

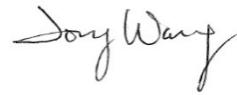
Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. 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.
<input type="checkbox"/> Chamber A (IC:2324B-1)	<input type="checkbox"/> Chamber D (IC:22541-1)	<input type="checkbox"/> Chamber I (IC: 2324A-5)
<input type="checkbox"/> Chamber B (IC:2324B-2)	<input type="checkbox"/> Chamber E (IC:22541-2)	<input type="checkbox"/> Chamber J (IC: 2324A-6)
<input type="checkbox"/> Chamber C (IC:2324B-3)	<input type="checkbox"/> Chamber F (IC:22541-3)	<input type="checkbox"/> Chamber K (IC: 2324A-1)
<input checked="" type="checkbox"/> Temperature B Room	<input type="checkbox"/> Chamber G (IC:22541-4)	<input type="checkbox"/> Chamber L (IC: 2324A-3)
	<input type="checkbox"/> 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-E3539A, FCC ID: BCG-E3540A, and FCC ID: BCG-E3541A 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-E3539A test data shall remain representative of FCC ID: BCG-E3540A and FCC ID: BCG-E3541A. 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 A2176 (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 A2398 (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 A2399 (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

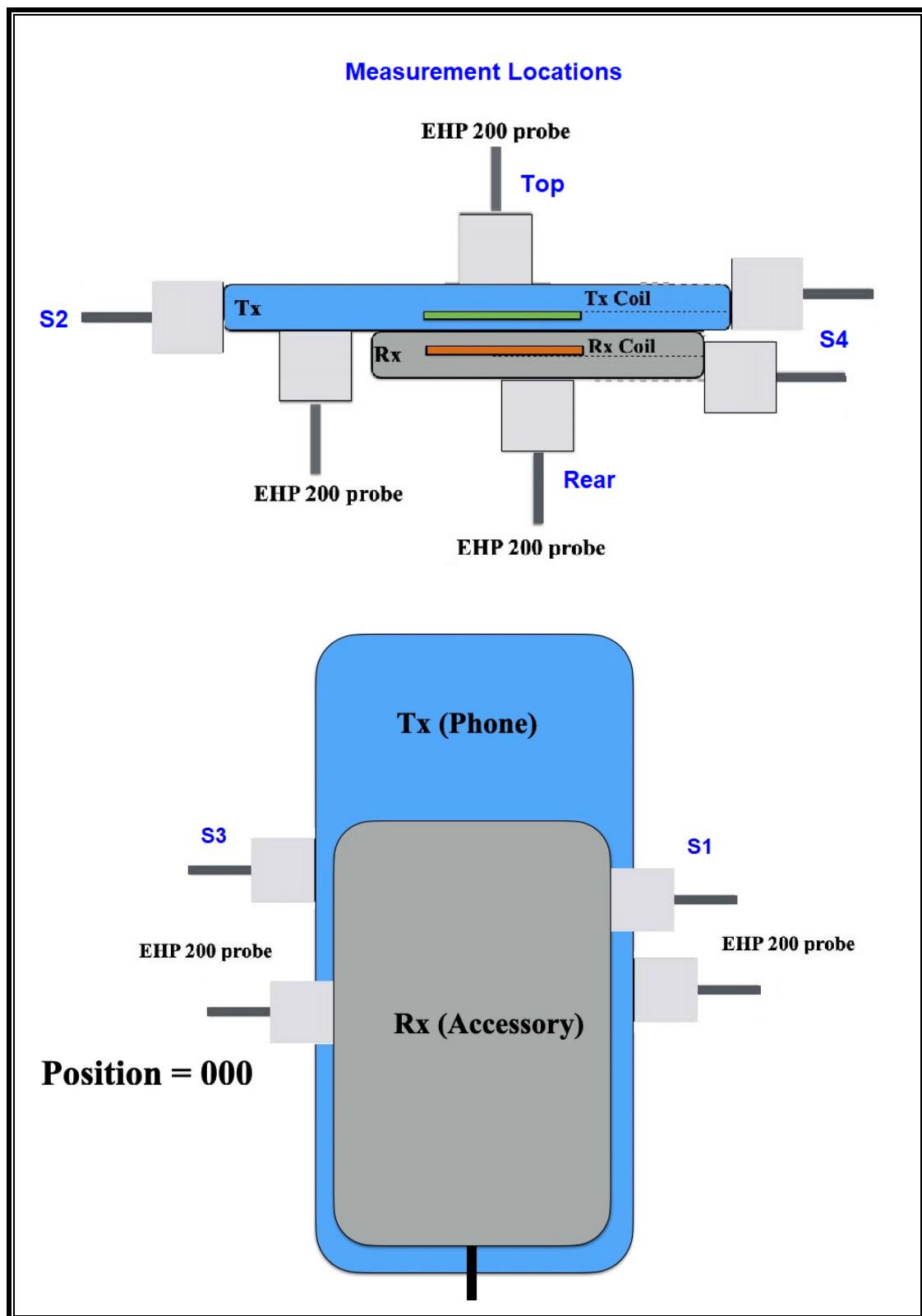
The following three configurations are tested:

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)	

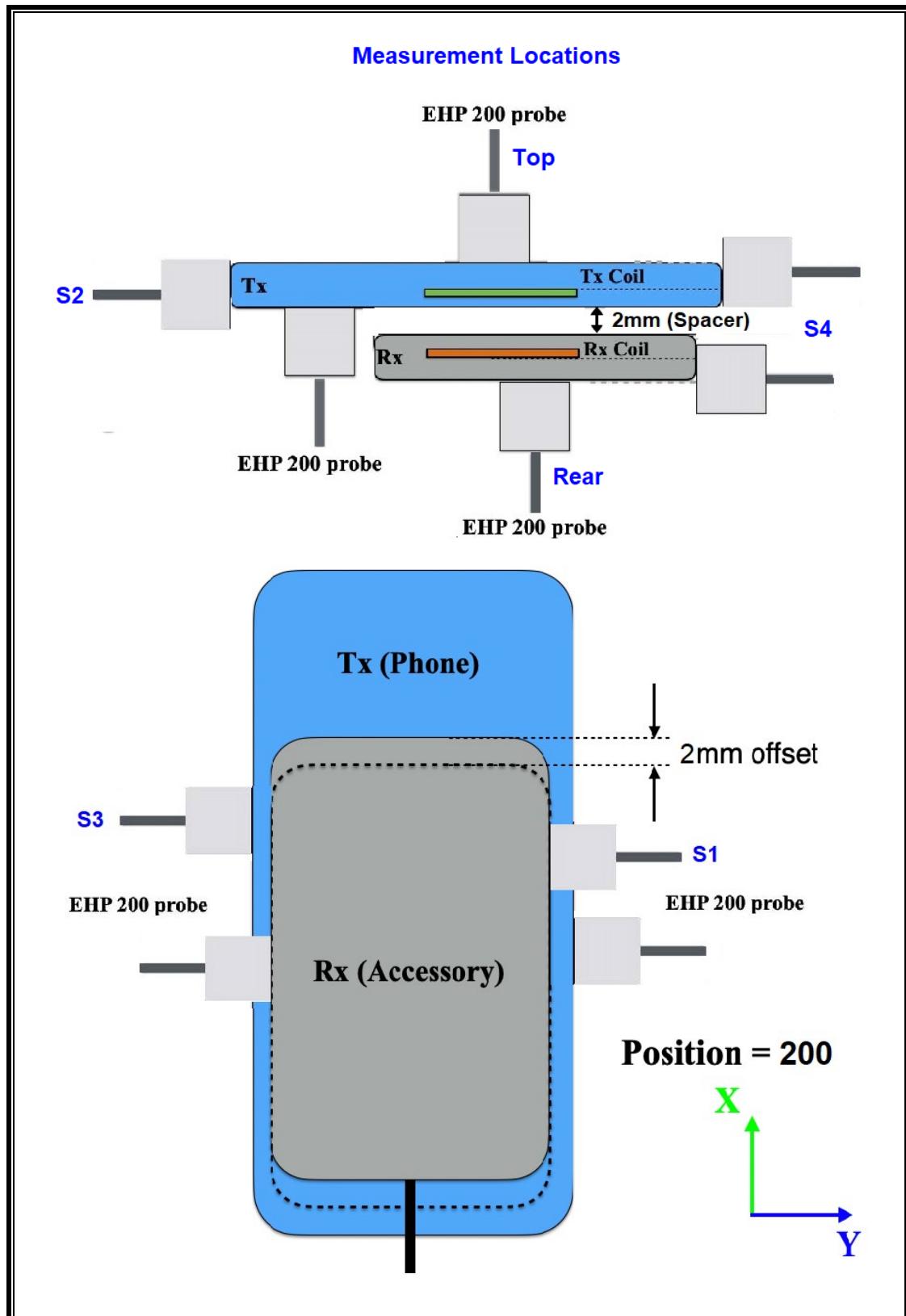
MEASUREMENT SETUP

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.

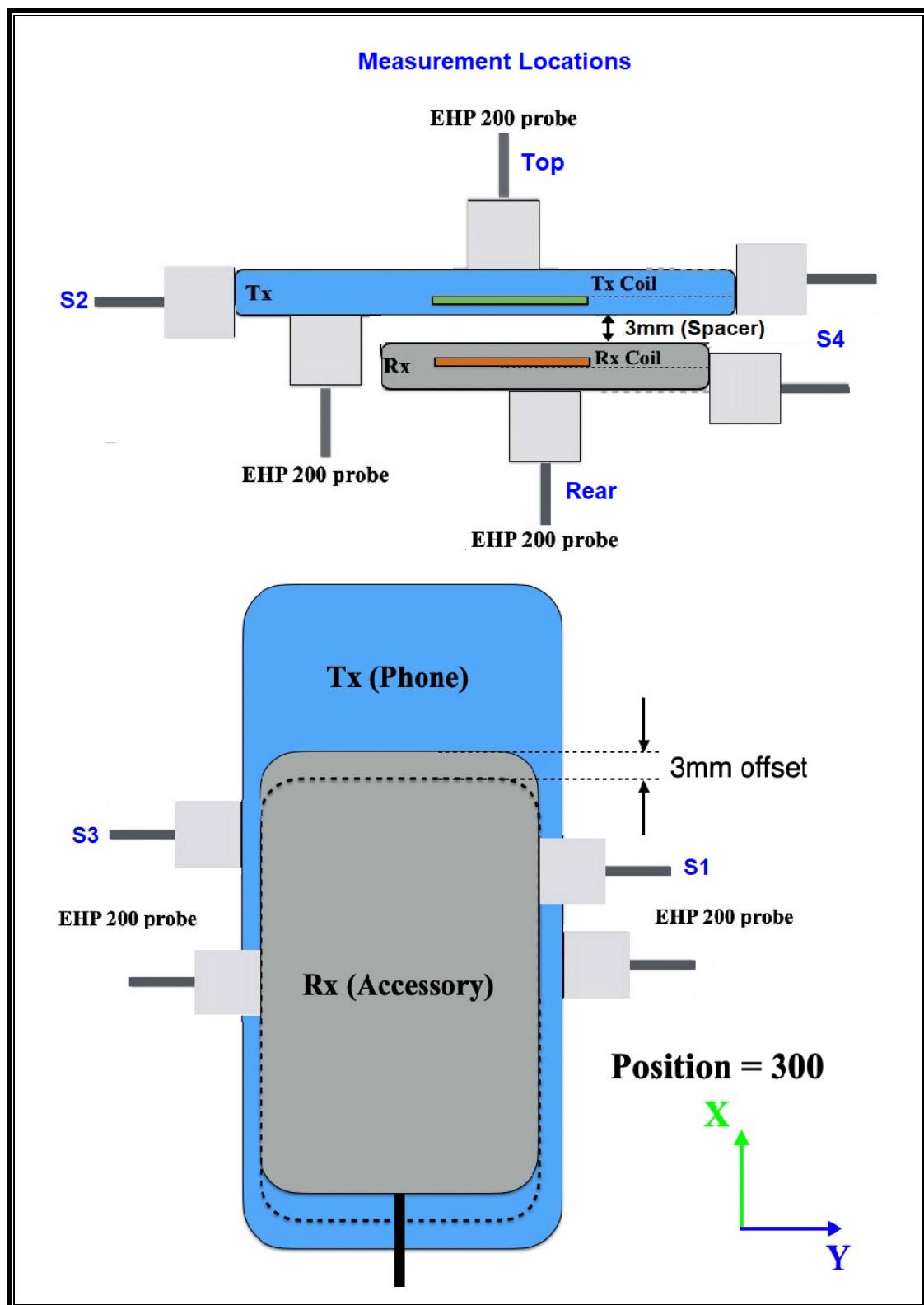
CONFIGURATION 1



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

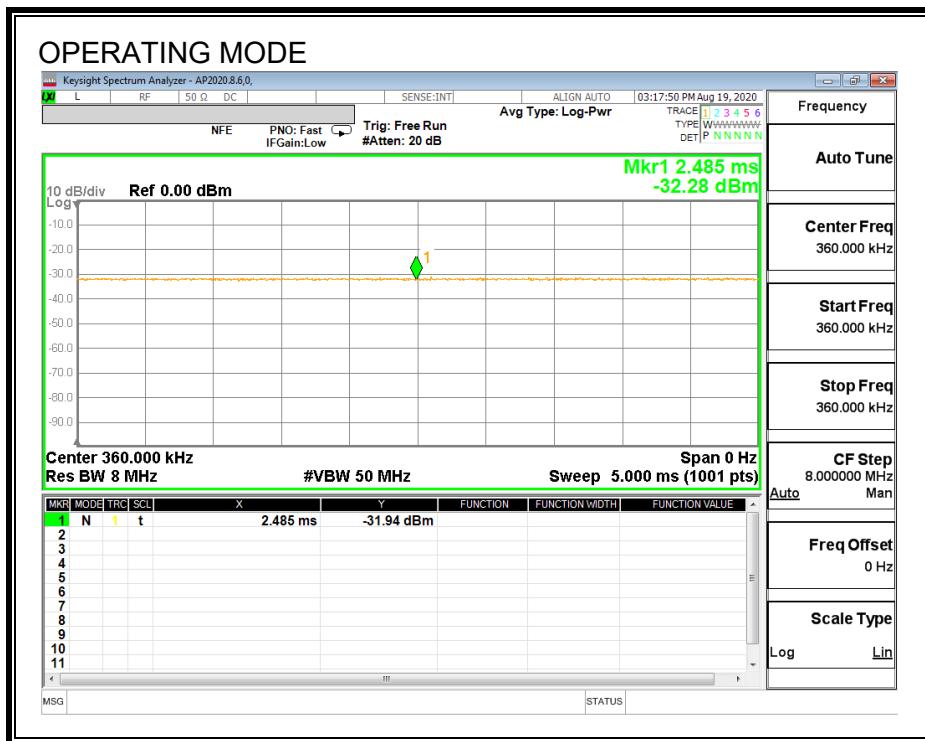
None; for reporting purposes only.

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



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 A2176

RESULTS

ID:	38602	Date:	8/17/20
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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	1.332	0.22%	1.63	0.222	13.62%

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	1.913	0.31%	1.63	0.906	55.60%

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	3.138	0.51%	1.63	0.890	54.60%

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 $\sqrt{\text{Duty Cycle}}$].

Configuration #1

FCC Limit			Measuring Distance (cm)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)							
Configuration	Test Mode	Electric Field Limit (V/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	0.401		100	0.401	1.63	S1	0.074	100	0.074		
				S2	0.217			0.217		S2	0.038		0.038		
				S3	0.461			0.461		S3	0.040		0.040		
				S4	0.234			0.234		S4	0.047		0.047		
	Operating Real Product (Power 25% ~ 60% Charging)			Rear	1.193			1.193		Rear	0.042		0.042		
				Top	0.313			0.313		Top	0.201		0.201		
				Max	1.332			1.332		Max	0.202		0.202		
				S1	0.252			0.252		S1	0.071		0.071		
	Operating Real Product (Power >75% Charging)			S2	0.227			0.227		S2	0.038		0.038		
				S3	0.291			0.291		S3	0.041		0.041		
				S4	0.227		100	0.227		S4	0.053		0.053		
				Rear	1.133			1.133		Rear	0.114		0.114		
2	Operating Real Product (Power ~25% Charging)	100	614	Top	0.269			0.269	1.63	Top	0.220		0.220		
				Max	1.133			1.133		Max	0.222		0.222		
				S1	0.245			0.245		S1	0.082		0.082		
				S2	0.218			0.218		S2	0.041		0.041		
	Operating Real Product (Power 25% ~ 60% Charging)			S3	0.290			0.290		S3	0.040		0.040		
				S4	0.226			0.226		S4	0.056		0.056		
				Rear	0.295			0.295		Rear	0.175		0.175		
				Top	1.062			1.062		Top	0.221		0.221		
	Operating Real Product (Power >75% Charging)			Max	1.113			1.113		Max	0.221		0.221		
				S1	0.245			0.245		S1	0.082		0.082		
				S2	0.218			0.218		S2	0.041		0.041		
				S3	0.290			0.290		S3	0.040		0.040		
3	Operating Real Product (Power ~25% Charging)	100	614	S4	0.226			0.226	1.63	S4	0.056		0.056		
				Rear	0.295			0.295		Rear	0.175		0.175		
				Top	1.062			1.062		Top	0.221		0.221		
				Max	1.113			1.113		Max	0.221		0.221		
	Operating Real Product (Power 25% ~ 60% Charging)			S1	0.245			0.245		S1	0.082		0.082		
				S2	0.218			0.218		S2	0.041		0.041		
				S3	0.290			0.290		S3	0.040		0.040		
				S4	0.226			0.226		S4	0.056		0.056		
	Operating Real Product (Power >75% Charging)			Rear	0.295			0.295		Rear	0.175		0.175		
				Top	1.062			1.062		Top	0.221		0.221		
				Max	1.113			1.113		Max	0.221		0.221		
				S1	0.245			0.245		S1	0.082		0.082		

Configuration #2

FCC Limit			Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading						
Configuration	Test Mode	FCC			Location	Peak	Duty Cycle %	FCC Average		(A/m)						
										FCC	Location	Peak	Duty Cycle %	FCC Average		
2	Operating Real Product (Power ~25% Charging) (2mm Airgap at Center)	0	614	1.63	S1	0.243		0.243	100	S1	0.112		0.112			
					S2	0.218		0.218		S2	0.089		0.089			
					S3	0.300		0.300		S3	0.128		0.128			
					S4	0.227		0.227		S4	0.074		0.074			
					Rear	0.886		0.886		Rear	0.078		0.078			
					Top	0.266		0.266		Top	0.252		0.252			
					Max	0.888		0.888		Max	0.377		0.377			
					S1	0.282		0.282		S1	0.278		0.278			
					S2	0.235		0.235		S2	0.294		0.294			
					S3	0.414		0.414		S3	0.336		0.336			
2	Operating Real Product (Power ~25% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	1.63	S4	0.227		0.227		S4	0.243		0.243			
					Rear	0.985		0.985		Rear	0.300		0.300			
					Top	0.301		0.301		Top	0.332		0.332			
					Max	1.456		1.456		Max	0.830		0.830			
					S1	0.262		0.262		S1	0.179		0.179			
					S2	0.227		0.227		S2	0.068		0.068			
					S3	0.302		0.302		S3	0.282		0.282			
					S4	0.226		0.226		S4	0.059		0.059			
					Rear	0.957		0.957		Rear	0.272		0.272			
					Top	0.901		0.901		Top	0.321		0.321			
2	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap at Center)	0	614	1.63	Max	0.957		0.957		Max	0.661		0.661			
					S1	0.244		0.244		S1	0.108		0.108			
					S2	0.227		0.227		S2	0.089		0.089			
					S3	0.282		0.282		S3	0.091		0.091			
					S4	0.235		0.235		S4	0.071		0.071			
					Rear	1.669		1.669		Rear	0.081		0.081			
					Top	0.267		0.267		Top	0.255		0.255			
					Max	1.669		1.669		Max	0.394		0.394			
					S1	0.245		0.245		S1	0.477		0.477			
					S2	0.235		0.235		S2	0.281		0.281			
2	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	1.63	S3	0.392		0.392		S3	0.147		0.147			
					S4	0.235		0.235		S4	0.254		0.254			
					Rear	0.904		0.904		Rear	0.307		0.307			
					Top	0.308		0.308		Top	0.422		0.422			
					Max	0.961		0.961		Max	0.906		0.906			
					S1	0.236		0.236		S1	0.154		0.154			
					S2	0.225		0.225		S2	0.075		0.075			
					S3	0.282		0.282		S3	0.179		0.179			
					S4	0.227		0.227		S4	0.054		0.054			
					Rear	1.870		1.870		Rear	0.097		0.097			
2	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Bottom)	0	614	1.63	Top	0.235		0.235		Top	0.340		0.340			
					Max	1.870		1.870		Max	0.396		0.396			
					S1	0.262		0.262		S1	0.056		0.056			
					S2	0.210		0.210		S2	0.090		0.090			
					S3	0.391		0.391		S3	0.091		0.091			
					S4	0.235		0.235		S4	0.071		0.071			
					Rear	1.817		1.817		Rear	0.078		0.078			
					Top	0.281		0.281		Top	0.272		0.272			
					Max	1.913		1.913		Max	0.342		0.342			
					S1	0.282		0.282		S1	0.338		0.338			
2	Operating Real Product (Power >75% Charging) (2mm Airgap at Center)	0	614	1.63	S2	0.235		0.235		S2	0.281		0.281			
					S3	0.414		0.414		S3	0.209		0.209			
					S4	0.235		0.235		S4	0.244		0.244			
					Rear	0.989		0.989		Rear	0.292		0.292			
					Top	0.322		0.322		Top	0.380		0.380			
					Max	1.026		1.026		Max	0.887		0.887			
					S1	0.245		0.245		S1	0.192		0.192			
					S2	0.218		0.218		S2	0.074		0.074			
					S3	0.262		0.262		S3	0.114		0.114			
					S4	0.227		0.227		S4	0.055		0.055			
2	Operating Real Product (Power >75% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	1.63	Rear	0.903		0.903		Rear	0.089		0.089			
					Top	0.241		0.241		Top	0.359		0.359			
					Max	0.913		0.913		Max	0.417		0.417			

Configuration #3

FCC Limit		Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
Configuration	Test Mode			FCC	Location	Peak	Duty Cycle %		FCC	Location	Peak	Duty Cycle %	FCC Average
3	Operating Real Product (Power ~25% Charging) (3mm Airgap at Center)	614	1.63	S1	0.262			0.262	S1	0.099			0.099
				S2	0.227			0.227	S2	0.208			0.208
				S3	0.389			0.389	S3	0.330			0.330
				S4	0.235		100	0.235	S4	0.212			0.212
				Rear	0.839			0.839	Rear	0.194			0.194
				Top	0.266			0.266	Top	0.316			0.316
				Max	0.867			0.867	Max	0.811			0.811
				S1	0.318			0.318	S1	0.494			0.494
				S2	0.227			0.227	S2	0.225			0.225
				S3	0.444		100	0.444	S3	0.384			0.384
	Operating Real Product (Power ~25% Charging) (3mm Airgap & 3mm Shift to the Top)			S4	0.235		100	0.235	S4	0.103			0.103
				Rear	1.417			1.417	Rear	0.520			0.520
				Top	0.267			0.267	Top	0.361			0.361
				Max	1.441			1.441	Max	0.662			0.662
				S1	0.300			0.300	S1	0.524			0.524
				S2	0.235			0.235	S2	0.306			0.306
				S3	0.417		100	0.417	S3	0.583			0.583
				S4	0.227		100	0.227	S4	0.156			0.156
				Rear	1.345			1.345	Rear	0.368			0.368
				Top	0.267			0.267	Top	0.432			0.432
	Operating Real Product (Power ~25% ~ 60% Charging) (3mm Airgap & @3mm Shift to the Bottom)			Max	1.345			1.345	Max	0.727			0.727
				S1	0.254			0.254	S1	0.115			0.115
				S2	0.235			0.235	S2	0.196			0.196
				S3	0.357		100	0.357	S3	0.198			0.198
				S4	0.235		100	0.235	S4	0.213			0.213
				Rear	0.885			0.885	Rear	0.211			0.211
				Top	0.327			0.327	Top	0.381			0.381
				Max	0.886			0.886	Max	0.846			0.846
				S1	0.321			0.321	S1	0.519			0.519
				S2	0.227			0.227	S2	0.224			0.224
	Operating Real Product (Power 25% ~ 60% Charging) (3mm Airgap & 3mm Shift to the Top)			S3	0.500			0.500	S3	0.428			0.428
				S4	0.243		100	0.243	S4	0.109			0.109
				Rear	3.138			3.138	Rear	0.276			0.276
				Top	0.277			0.277	Top	0.345			0.345
				Max	3.138			3.138	Max	0.689			0.689
				S1	0.327			0.327	S1	0.606			0.606
				S2	0.227			0.227	S2	0.303			0.303
				S3	0.378		100	0.378	S3	0.542			0.542
				S4	0.235		100	0.235	S4	0.152			0.152
				Rear	1.365			1.365	Rear	0.369			0.369
	Operating Real Product (Power 25% ~ 60% Charging) (3mm Airgap & 3mm Shift to the Bottom)			Top	0.277			0.277	Top	0.431			0.431
				Max	1.365			1.365	Max	0.890			0.890
				S1	0.253			0.253	S1	0.114			0.114
				S2	0.227			0.227	S2	0.212			0.212
				S3	0.407		100	0.407	S3	0.365			0.365
				S4	0.234		100	0.234	S4	0.212			0.212
				Rear	0.877			0.877	Rear	0.198			0.198
				Top	0.266			0.266	Top	0.360			0.360
				Max	1.473			1.473	Max	0.679			0.679
				S1	0.307			0.307	S1	0.475			0.475
	Operating Real Product (Power >75% Charging) (3mm Airgap at Center)			S2	0.227			0.227	S2	0.234			0.234
				S3	0.425			0.425	S3	0.454			0.454
				S4	0.235		100	0.235	S4	0.103			0.103
				Rear	1.473			1.473	Rear	0.282			0.282
				Top	0.284			0.284	Top	0.281			0.281
				Max	1.473			1.473	Max	0.525			0.525
				S1	0.307			0.307	S1	0.544			0.544
				S2	0.235			0.235	S2	0.303			0.303
				S3	0.483		100	0.483	S3	0.667			0.667
				S4	0.235		100	0.235	S4	0.145			0.145
	Operating Real Product (Power >75% Charging) (3mm Airgap & 3mm Shift to the Top)			Rear	1.202			1.202	Rear	0.360			0.360
				Top	0.274			0.274	Top	0.373			0.373
				Max	1.211			1.211	Max	0.728			0.728

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RESULTS

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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	0.891	0.15%	1.63	0.833	51.10%

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 $\sqrt{\text{Duty Cycle}}$].

Configuration #2:

FCC Limit		Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				FCC Limit (A/m)	Magnetic Field Reading						
Configuration	Test Mode			FCC	Location	Peak	Duty Cycle %		(A/m)						
									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	0.570			0.570	1.63	S1	0.251		0.251		
				S2	0.229			0.229		S2	0.252		0.252		
				S3	0.352			0.352		S3	0.053		0.053		
				S4	0.227			0.227		S4	0.276		0.276		
				Rear	0.822			0.822		Rear	0.265		0.265		
				Top	0.277			0.277		Top	0.330		0.330		
				Max	0.891			0.891		Max	0.833		0.833		

8.2.2. MODEL A2399

RESULTS

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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	1.155	0.19%	1.63	0.756	46.36%

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 $\sqrt{\text{Duty Cycle}}$].

Configuration #2:

FCC Limit		Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				FCC Limit (A/m)	Magnetic Field Reading (A/m)						
Configuration	Test Mode			FCC	Location	Peak	Duty Cycle %		FCC	Location	Peak	Duty Cycle %			
2	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	S1	0.288			0.288	1.63	S1	0.169	0.169			
				S2	0.227			0.227		S2	0.262	0.262			
				S3	0.388			0.388		S3	0.054	0.054			
				S4	0.227			0.227		S4	0.263	0.263			
				Rear	1.137			1.137		Rear	0.736	0.736			
				Top	0.277			0.277		Top	0.362	0.362			
				Max	1.155			1.155		Max	0.756	0.756			

9. SETUP PHOTO

Please see setup photo report 13179110-EP1

END OF REPORT