

# FCC Part 1 Subpart I FCC Part 2 Subpart J

### **CERTIFICATION TEST REPORT**

# FOR

# **SMART PHONE**

MODEL NO: A2651 (Parent Model, Full Test) A2893, A2894, A2895, A2896 (Variant Models)

FCC ID: BCG-E8141A ( Parent Model)

FCC ID: BCG-E8154A, BCG-E8155A, BCG-E8156A (Variant

Models)

**REPORT NUMBER: 14040866-E16V1** 

**ISSUE DATE: JULY 18, 2022** 

Prepared for
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# Revision History

Rev.	Issue Date	Revised By	
V1	7/18/2022	Initial Issue	T. Chan

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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: A2651 (Parent Model)

A2893, A2894, A2895, A2896 (Variant Models)

BRAND: APPLE

FCC ID: BCG-E8141A (Parent Model)

BCG-E8154A, BCG-E8155A, BCG-E8156A (Variant Models)

**SERIAL NUMBER:** H20XYRX7CV (Parent Model, Full Test)

QDWXGCQ4GG, Y19PXXDW4C, XVX9Y52GQC (Variant Models)

**SAMPLE RECEIPT DATE** JULY 06, 2022

**DATE TESTED:** JULY 06 - 07, 2022

#### **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.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC 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 A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government

Chin Pany

Reviewed By:

Prepared By:

Chin Pang Senior Lab Engineer

UL LLC.

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alejandro Martinez

# 2. TEST METHODOLOGY

All measurements made in accordance with KDB 680106 and manufacturer KDB inquiry.

# 3. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification #0751.05, 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 1: 47173 Benicia Street, Fremont, CA 94538	US0104	2324A	550739
$\boxtimes$	Building 2: 47266 Benicia Street, Fremont, CA 94538	US0104	22541	550739
	Building 4: 47658 Kato Rd, Fremont, CA 94538	US0104	2324B	550739

# 4. DECISION RULES AND MEASUREMENT UNCERTAINTY

# 4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

# 4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating 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 <sub>Lab</sub>
Magnetic Field Reading (A/m)	+/-0.04284 (A/m)
Electric Field Reading (V/m)	+/-0.03682 (V/m)

Uncertainty figures are valid to a confidence level of 95.45%.

# 5. 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.

# 6. EQUIPMENT UNDER TEST

# 6.1. 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 and NFC. 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.

Model A2895 and A2896 have the same FCC ID, Spot check was performed only for Model A2895, difference between these models are on the SIM only.

The Model and FCC IDs covered by this report includes:

Parent Model: A2651, FCC ID: BCG-E8141A

Variant Models: A2893, FCC ID: BCG-E8154A A2894; FCC ID: BCG-E8155A

A2895 & A2896, FCC ID: BCG-E8156A

#### 6.2. 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. Full test, configuration 1 & 2, was investigated on Parent model, and the worst case was configuration 2 at 25-70% power charging 2mm shift to the top, therefore, config 2, worst case was investigated only on variant models. For worst case at H field on configuration 2 at 2cm increment, please see SAR simulation report.

# Model A2483

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.

A2881, A2882, A2883, A2884 (Variant Model, Spot Check Worst Case)

Config	Mode	Descriptions
2	Operating	2mm airgap charging between the EUT & WPT Client + 2mm offset shift to Top or Bottom@ 25 ~ 70% power charging, and the EUT is powered by AC/DC adapter via USB-C cable.

# 6.3. 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**

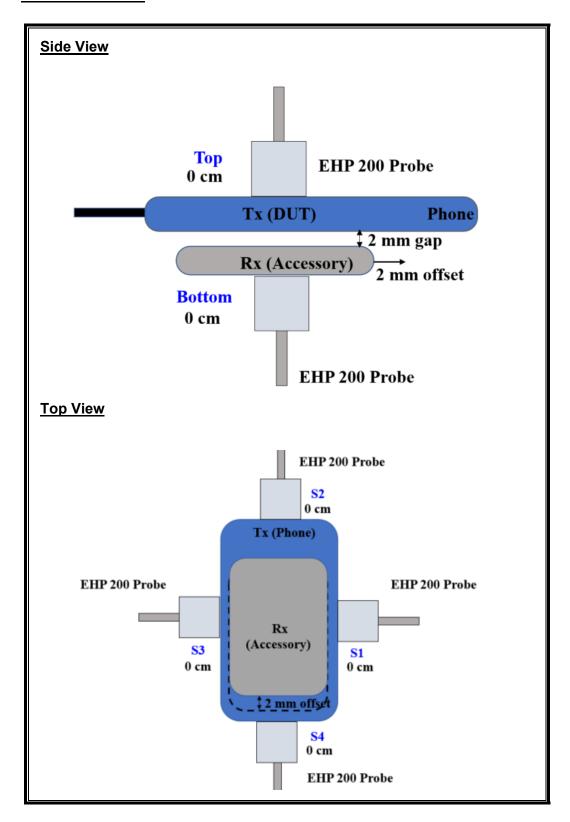
The following configurations are tested:

Configuration	Mode	Descriptions
1	Operating	
(Direct	(WPT Client, ~25% Power Charging)	EUT with lightning to USB-C cable
Contact)	Operating	powered by AC/DC Adapter &
	(WPT Client, 25%~70% Power Charging)	Wireless Charging to WPT Client
	Operating	
	(WPT Client >75% Power Charging)	
2	Operating	
(2mm Airgap +	(WPT Client, ~25% Power Charging)	EUT with lightning to USB-C cable
2mm Shift to	Operating	powered by AC/DC Adapter &
Top or Bottom) (WPT Client, 25%~70% Power Charging)		Wireless Charging to WPT Client
	Operating	
	(WPT Client >75% Power Charging)	

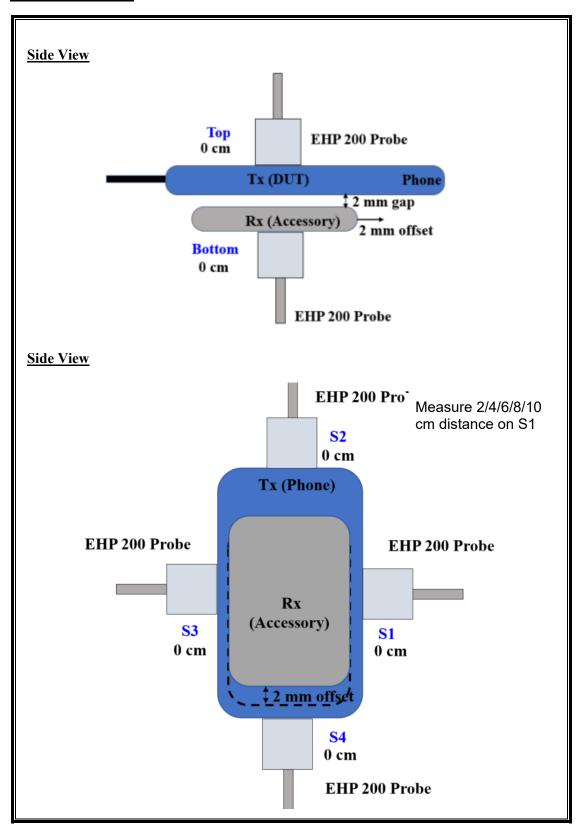
#### **MEASUREMENT SETUP**

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**



# 7. 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 Due	Cal Date	
Electric and Magnetic Field Probe	Narda	EHP-200A	160WX41008	PRE019185	02/17/2023	02/17/2022	
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	MY55410147	125179	02/01/2023	02/01/2022	

# 8. DUTY CYCLE

# **LIMITS**

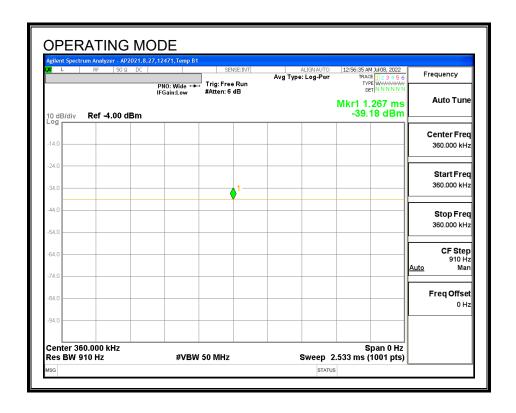
None; for reporting purposes only.

# **PROCEDURE**

Zero-Span Spectrum Analyzer Method.

# **ON TIME AND DUTY CYCLE RESULTS**

Mode	ON Time	Period	<b>Duty Cycle</b>	Duty	<b>Duty Cycle</b>
	В		x	Cycle	<b>Correction Factor</b>
	(msec)	(msec)	(linear)	(%)	(dB)
Operating	100.00	100.00	1.00	100.00%	0.00



# 9. MAXIMUM PERMISSIBLE RF EXPOSURE

#### **FCC LIMITS AND SUMMARY** 9.1.

§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/cm²)	Averaging time (minutes)				
(A) Lim	(A) Limits for Occupational/Controlled Exposures							
0.3–3.0 3.0–30 30–300 300–1500 1500–100,000	614 1842# 61.4	1.63 4.89/f 0.163	*(100) *(900/f²) 1.0 f/300 5	6 6 6 6				
(B) Limits for General Population/Uncontrolled Exposure								
0.3–1.34	614 824/f	1.63 2.19/f	*(100) *(180/f²)	30 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/cm²)	Averaging time (minutes)
30–300	27.5	0.073	0.2	30
300–1500 1500–100,000			f/1500 1.0	30 30

f = frequency in MHz

pational/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.

	Configuration # 2 S	Summary Table	
	Model No.	E-Field (V/m)	H-Field (A/m)
Parent Model	A2651	7.143	1.047
	A2893	7.028	0.782
Variant Model	A2894	7.052	0.716
	A2895/AA2896	6.974	0.873

<sup>\* =</sup> 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 occu-

# 9.1.1. MODEL A2651

# **RESULTS**

<b>ID</b> : 12471	Date:	7/6/2022
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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	6.574	1.07%	1.63	0.211	12.94%

# **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 (%)
Г	614	7.143	1.16%	1.63	1.047	64.23%

# **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**

			Electric Field Limit		Elec	ctric Field Reading		Magnetic Field Limit		Mag	netic Field Reading																																																						
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)																																																						
	(oii)	(,	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average																																																					
				S1	0.488		0.488		S1	0.106		0.106																																																					
				S2	0.504		0.504		S2	0.049		0.049																																																					
	Operating Real Product			53	0.388		0.388		S3	0.103		0.103																																																					
	(Power <25% Charging)			S4	0.388	100	0.388		S4	0.051	100	0.051																																																					
	(Fower <23% Charging)			Bottom	5.974		5.974		Bottom	0.146		0.146																																																					
				Тор	0.467		0.467		Top	0.049		0.049																																																					
				Max	5.974		5.974		Max	0.146		0.146																																																					
			perating Real Product				S1	0.473		0.473		S1	0.127		0.127																																																		
					S2	0.473		0.473		S2	0.049		0.049																																																				
	Operating Real Product			0	0	0	0	0	0	0																																															S3	0.406		0.406		S3	0.079		0.079
1	(Power ~ 25% -70% Charging)										614	S4	0.394	100	0.394	1.63	S4	0.049	100	0.049																																													
	(TOWER 25% 70% CHAIRBING)			Bottom	6.574		6.574		Bottom	0.154		0.154																																																					
				Тор	0.485		0.485		Top	0.058		0.058																																																					
				Max	6.574		6.574		Max	0.154		0.154																																																					
				S1	0.388		0.388		S1	0.195		0.195																																																					
				S2	0.428		0.428		S2	0.049		0.049																																																					
	Operating Real Product			S3	0.388		0.388		S3	0.117		0.117																																																					
	(Power >75% Charging)			S4	0.377	100	0.377		S4	0.050	100	0.050																																																					
	(remain year amanging)			Bottom	6.163		6.163		Bottom	0.211		0.211																																																					
				Тор	1.865		1.865		Тор	0.058		0.058																																																					
				Max	6.163		6.163		Max	0.211		0.211																																																					

# **Configuration #2**

CC Limit			Electric Field Limit		Elec	tric Field Reading		Magnetic Field Limit		Mag	gnetic Field Reading		
Configuration	Test Mode	Measuring Distance	(V/m)			(V/m)		(A/m)			(A/m)		
		(cm)	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average	
				S1	0.485		0.485		S1	0.231		0.231	
				S2 S3	0.449 0.430		0.449		S2 S3	0.049 0.158		0.049 0.158	
	Operating Real Product (Power ~< 25% Charging)			S4	0.430	100	0.430	-	S4	0.158	100	0.158	
	(2mm Airgap at Center)			Bottom	6.899		6.899		Bottom	0.201		0.201	
				Тор	1.834		1.834		Тор	0.080		0.080	
				Max S1	6.899 0.726		6.899 0.726	_	Max S1	0.201		0.201	
				S2	0.726		0.726	-	S2	0.315		0.315	
	Operating Real Product			\$3	0.498		0.498		\$3	0.333		0.333	
	(Power <25% Charging) (2mm Airgap & 2mm Shift to			54	0.388	100	0.388		54	0.072	100	0.072	
	the Top)			Bottom	6.295		6.295	_	Bottom	0.848		0.848	
				Top Max	1.978 6.295		1.978 6.295	-	Top Max	0.101		0.101	
				S1	0.426		0.426		S1	0.151		0.151	
	Operating Real Product			S2	0.485		0.485		S2	0.065		0.065	
	(Power 25% Charging)			S3		-	S3	0.187	100	0.187			
	(2mm Airgap & 2mm Shift to			S4 Bottom	0.398 6.394	100	0.398 6.394	-	S4 Bottom	0.049	100	0.049	
	the Bottom)			Тор	1.933		1.933		Тор	0.076		0.076	
				Max	6.394		6.394		Max	0.314		0.314	
				S1	0.524		0.524		S1	0.156		0.156	
	Operating Real Product			S2 S3	0.485 0.442		0.485 0.442	-	S2 S3	0.059		0.059 0.108	
	(Power ~ 25% - 70% Charging)			\$4	0.400	100	0.400		\$4	0.053	100	0.053	
	(2mm Airgap at Center)			Bottom	5.482		5.482		Bottom	0.364		0.364	
				Тор	0.586 5.482		0.586 5.482		Тор	0.081		0.081	
				Max S1	5.482 0.618		0.618	-	Max S1	0.466		0.364	
				S2	0.399		0.399		S2	0.146		0.146	
	Operating Real Product (Power ~ 25% - 70% Charging)			\$3	0.391		0.391		S3	0.360		0.360	
	(2mm Airgap & 2mm Shift to	0	614	S4	0.407 4.882		100	0.407 4.882	1.63	S4	0.090 1.047	100	0.090 1.047
	the Top)			Bottom Top	4.882 0.505		4.882 0.505	-	Bottom Top	0.107		0.107	
				Max	0.505		0.505		Max	1.047		1.047	
				S1	0.473		0.473		S1	0.375		0.375	
	Operating Real Product			S2 S3	0.473 0.550		0.473 0.550	_	S2 S3	0.079		0.079	
	(Power ~ 25% - 70% Charging)			S4	0.388	100	0.388	-	S4	0.471	100	0.471	
	(2mm Airgap & 2mm Shift to the Bottom)			Bottom	7.143		7.143		Bottom	0.456		0.456	
	the bottom)			Тор	1.857		1.857		Тор	0.083		0.083	
				Max S1	7.143 0.632		7.143 0.632		Max S1	0.456		0.456 0.144	
				S2	0.408		0.408		S2	0.056		0.144	
	Operating Real Product			S3	0.451		0.451		S3	0.070		0.070	
	(Power >75% Charging)			\$4	0.417	100	0.417	_	\$4 D. III	0.049	100	0.049	
	(2mm Airgap at Center)			Bottom Top	6.223 1.884		6.223 1.884	-	Bottom Top	0.305		0.305	
				Max	6.223		6.223	1	Max	0.305		0.305	
				S1	0.618		0.618		S1	0.470		0.470	
	Operating Real Product			S2	0.414		0.414	-	S2	0.147		0.147	
	(Power >75% Charging)			\$3 \$4	0.449	100	0.449	+	\$3 \$4	0.333	100	0.333	
	(2mm Airgap & 2mm Shift to			Bottom	4.909		4.909	1	Bottom	1.003	1	1.003	
	the Top)			Тор	1.281		1.281		Тор	0.053		0.053	
				Max	4.909		4.909	4	Max	1.003		1.003	
				S1 S2	0.466		0.466 0.406	-	S1 S2	0.113		0.113	
	Operating Real Product			S3	0.441		0.441		S3	0.141		0.141	
	(Power >75% Charging) (2mm Airgap & 2mm Shift to			\$4	0.391	100	0.391		S4	0.051	100	0.051	
	the Bottom)			Bottom	6.301		6.301		Bottom	0.174		0.174	
				Top Max	2.075 6.301		2.075 6.301	-	Top Max	0.078 0.174		0.078 0.174	

# Configuration #2 H Field in 2cm increment

Note: Please refers to simulation report from SAR.

#### 9.1.2. MODEL A2893

#### **RESULTS**

ID: 12471 Da	e: 7/7/22
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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	7.028	1.14%	1.63	0.782	47.98%

#### **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**

Configuration         Test Mode (cm)         Measuring Distance (V/m)         (V/m)         (V/m)           FCC         Location         Peak         Duty Cycle %         FCC Average	(A/m)			(A/m)	
FCC Location Peak Duty Cycle % FCC	FCC				
	700	Location	Peak	Duty Cycle %	FCC Average
S1 0.580 0.580		S1	0.273		0.273
Operating Real Product		S2	0.097		0.097
(Power ~ 25% - 70% Charging) 53 0.485		1.63 S4	0.276		0.276
2 (2mm Aircan & 2mm Shift to U 614 54 0.416 100 0.416	1.63		0.074	100	0.074
Bottom 7.028 7.028		Bottom	0.782	1	0.782
Top 3.611 3.611 Max 7.028 7.028		Top Max	0.086 0.782		0.086
Max 7.028 7.028		Max	0.782		0.782

### 9.1.3. MODEL A2894

# **RESULTS**

ID:	12471	Date:	7/7/22
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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	7.052	1.15%	1.63	0.716	43.93%

# **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:**

	Test Mode	Measuring Distance (cm)	Electric Field Limit	Electric Field Reading			Magnetic Field Limit	Magnetic Field Reading				
Configuration			(V/m)	(V/m)				(A/m)	(A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
	Operating Real Product (Power ~ 25% - 70% Charging) (2mm Airgap & 2mm Shift to the Top)		614	S1	0.760	100	0.760	S2	S1	0.256		0.256
				S2	0.511		0.511		S2	0.078	100	0.078
				S3	0.442		0.442		S3	0.224		0.224
				S4	0.401		0.401	] [	S4	0.260		0.260
				Bottom	7.052		7.052		Bottom	0.716 0.086		0.716 0.086
				Top Max	2.704 7.052		2.704 7.052		Top Max	0.086		0.086

# 9.1.4. MODEL A2895/A2896

#### **RESULTS**

ID: 12471 Date: 7/7/22	
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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	6.974	1.14%	1.63	0.873	53.56%				

# **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:**

CC Limit												
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit	Limit Electric Field Reading			Magnetic Field Limit	Magnetic Field Reading (A/m)				
			(V/m)		(V/m)							
		(=,	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
	Operating Real Product (Power ~ 25% - 70% Charging) (2mm Airgap & 2mm Shift to the Top)	0	614	S1	0.628		0.628	S1 S2 S3 1.63 S4		0.332		0.332
				S2	0.441	_	0.441			0.108		0.108
2				S3 S4	0.407 0.391	100	0.407 0.391 1.6		0.316 0.181	100	0.316 0.181	
2				Bottom	6.974	100		1.03	1.03 S4 Bottom	0.181	100	0.181
				Top	2.108		2.108		Top	0.108		0.108
				Max	6.974		6.974		Max	0.873	•	0.873

# 10. SETUP PHOTO

Please see setup photo report 14040866-EP1V1

# **END OF REPORT**