

FCC Part 1 Subpart I FCC Part 2 Subpart J

TEST REPORT

FOR

WIRELESS CHARGER

MODEL NO: A2384

FCC ID: BCGA2384

REPORT NUMBER: 13371066-E2V2

ISSUE DATE: APRIL 26, 2021

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



Revision History

Rev.	Issue Date	Revisions	Revised By
V1	4/23/2021	Initial Issue	Chin Pang
V2	4/26/2021	Addressed TCB comments	Tri Pham

DATE: 4/26/2021

TABLE OF CONTENTS

1.	AT [*]	TESTATION OF TEST RESULTS	4
2.	TE	ST METHODOLOGY	5
		CILITIES AND ACCREDITATION	
4.	KD	B 680106 D01 SECTION 5b EQUIPMENT APPROVAL CONSIDERATIONS	6
5.	EQ	QUIPMENT UNDER TEST	7
,	5.1.	DESCRIPTION OF EUT	7
,	5.2.	WORST-CASE CONFIGURATION AND MODE	7
,	5.3.	DESCRIPTION OF TEST SETUP	8
6.	TE	ST AND MEASUREMENT EQUIPMENT	22
7.	DU	ITY CYCLE	23
8.	MA	AXIMUM PERMISSIBLE RF EXPOSURE	25
	8.1.	FCC LIMITS AND SUMMARY	25
۵	SE.	THE PHOTO	27

REPORT NO: 13371066-E2V2 DATE: 4/26/2021 EUT: MAG SAFE BATTERY PACK MODEL NAME: A2384

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE INC.

1 APPLE PARK WAY

CUPERTINO, CA 95014, U.S.A

EUT DESCRIPTION: MAG SAFE BATTERY PACK

MODEL NUMBER: A2384

BRAND: APPLE

SERIAL NUMBER: DND303100LC0NJM1P

SAMPLE RECEIPT DATE: 03/04/2021

DATE TESTED: APRIL 08-15, 2021

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:	Prepared By:
Chin Pany	Dory Wary
Chin Pang	Tony Wang
Senior engineer	Test Engineer
UL Verification Service Inc.	UL Verification Services Inc.

2. TEST METHODOLOGY

All calculations were made in accordance with FCC OET Bulletin 65 Edition 97-01 and KDB 680106 D01.

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0, 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	208313
\boxtimes	Building 2: 47266 Benicia Street, Fremont, CA 94538	US0104	22541	208313
	Building 4: 47658 Kato Rd, Fremont, CA 94538	US0104	2324B	208313
\boxtimes	Temperature B Room			

DATE: 4/26/2021

4. KDB 680106 D01 SECTION 5b EQUIPMENT APPROVAL **CONSIDERATIONS**

Requirement	Device
(1) Power transfer frequency is less than 1 MHz.	Yes. The operating frequencies are 360kHz and 127.7kHz.
(2) Output power from each primary coil is less than or equal to 15 watts.	Yes. The maximum power is 15 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. Portable operating frequency only available @360kHz. and for 127.7KHz charging frequency it supports mobile configuration only.
(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. For 360kHz operating frequency at portable position, the measurement was taken using a probe place 0mm separate distance for all sides of standby and charging modes. Please see exposure simulation report for the worst case leakage of portable position.
	For 127.7kHz operating frequency at mobile position, the measurement was taken based on KDB 680106 D01. The worst case leakage of mobile position @127.7kHz is 17.36%.

DATE: 4/26/2021

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The Magsafe battery pack described in this document inductively charges other Apple supported wireless charging devices. The charging function operates at 127.7 kHz (Qi) and 360.0 kHz. The Magsafe battery pack supports charging up to 5 W at 127.7 kHz and 15 W at 360.0 kHz and NFC passive tag operation.

5.2. WORST-CASE CONFIGURATION AND MODE

The EUT is a single frequency magnetic charger enclosed in plastic case with 1 meter cable length USB -C type. For the standby mode, the measurements were taken on radiated spurious emissions due to 127.7kHz is un-intentional radiation coming from the response of LC resonance to the DC pulse signal. For operation mode, it was tested with the WPT clients. For the entire radiated emissions test, the EUT was investigated on the following configuration during the test at its natural orientation. Portable configuration was not performed for devices charging at 127.7kHz because they do not have magnetic capabilities.

@360kHz Operating Frequency with Portable Position:

Please see exposure simulation report

@127.7kHz Operating Frequency with Mobile Position:

Note: Tethered mode = With AC Adapter; Untethered mode=With internal battery

Config	Mode	Descriptions		
1	Tethered Mode EUT Standby -	EUT Alone powered by AC/DC adapter.		
2	Untethered Mode EUT Standby -	EUT Alone powered by internal battery.		
3	Tethered mode-EUT + Legacy Phone	EUT with AC Adapter + Legacy phone in operating mode		
4	Untethered mode- EUT + Legacy Phone	EUT powered by internal battery + Legacy phone in operating mode		
5	Tethered mode-EUT + Legacy Phone	4mm airgap and 4mm shift top and bottom and the EUT is powered by AC Adapter		
6	Untethered mode- EUT + Legacy Phone	4mm airgap and 4mm shift top and bottom and the EUT is powered by internal battery.		
7	Tethered mode-EUT + AirPods	EUT + AirPods in operating mode and is powered by AC Adapter		
8	Untethered mode- EUT + AirPods	EUT + AirPods in operating mode and is powered by internal battery		
9	Tethered mode-EUT + AirPods	2mm airgap and 3mm shift top and bottom and the EUT + AirPods in operating mode powered by AC Adapter		
10	Untethered mode- EUT + AirPods	2mm airgap and 3mm shift top and bottom and the EUT + AirPods in operating mode powered by internal battery		

DATE: 4/26/2021

DESCRIPTION OF TEST SETUP 5.3.

SUPPORT EQUIPMENT

SUPPORT EQUIPMENT & PERIPHERALS LIST								
Description	Description Manufacturer Model Serial Number							
WPT Client (5W Legacy iPhone)	Apple	Apple A2161 G6TZ500YNCD3		BCGE3306A				
WPT Client (1W Load AirPods Charging Case)	Apple	ople A1938 DLCZ415LLKKT		BCGA2032				
Wireless Charger	Apple	A2384	DND303100LC0NJM1P	BCGA2384				
AC/DC Adapter	Apple	A2305	F16010600QRPM061B	N/A				

I/O CABLES

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

TEST SETUP

The following 10 configurations are tested:

DATE: 4/26/2021

Please see exposure simulation report.

@127 7kHz Operating Frequency:

<u>@127.7kHz Operating Frequency:</u>						
Configuration	Mode	Descriptions				
1	Standby	EUT Alone powered by AC/DC adapter				
2	Standby	EUT Alone powered by Internal Battery				
3 (5W, Direct Contact)	Operating (Legacy iPhone, ~10% Power Charging) Operating (iPhone, 25~60% Power Charging) Operating (iPhone, >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client EUT with lightning to USB-C cable powered by AC/DC Adapter &				
4 (5W, Direct Contact	Operating (Legacy iPhone, ~10% Power Charging)	Wireless Charging to WPT Client EUT powered by Internal battery & Wireless Charging to WPT Client				
	Operating (iPhone, 25~60% Power Charging)	EUT powered by internal battery & Wireless Charging to WPT Client				
	Operating (iPhone, >75% Power Charging)	EUT powered by internal battery & Wireless Charging to WPT Client				
5 (3.5W, 4mm Airgap + 4mm Shift to Top or	Operating (iPhone, ~10% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client				
Bottom)	Operating (iPhone, 25~60% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client				
	Operating (iPhone, >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client				
6 (3.5W, 4mm Airgap + 4mm	Operating (iPhone, ~10% Power Charging) Operating	EUT powered by internal battery & Wireless Charging to WPT Client EUT powered by internal battery &				
Shift to Top or Bottom)	(iPhone, 25~60% Power Charging)	Wireless Charging to WPT Client				
	Operating (iPhone, >75% Power Charging)	EUT powered by internal battery & Wireless Charging to WPT Client				

DATE: 4/26/2021

7	Operating	EUT with lightning to USB-C cable
(1W, Direct	(AirPods, ~10% Power Charging)	powered by AC/DC Adapter &
Contact)		Wireless Charging to WPT Client
	Operating	EUT with lightning to USB-C cable
	(AirPods, 25~60% Power	powered by AC/DC Adapter &
	Charging)	Wireless Charging to WPT Client
	Operating	EUT with lightning to USB-C cable
	(AirPods, >75% Power Charging)	powered by AC/DC Adapter &
		Wireless Charging to WPT Client
8	Operating	EUT powered by internal battery &
(1W, Direct	(AirPods, ~10% Power Charging)	Wireless Charging to WPT Client
Contact)	Operating	EUT powered by internal battery &
	(AirPods, >25~60% Power	Wireless Charging to WPT Client
	Charging)	
	Operating	EUT powered by internal battery &
	(AirPods, >75% Power Charging)	Wireless Charging to WPT Client
9	Operating	EUT with lightning to USB-C cable
(1W, 2mm	(AirPods, ~10% Power Charging)	powered by AC/DC Adapter &
Airgap + 3mm		Wireless Charging to WPT Client
Shift to Top or	Operating	EUT with lightning to USB-C cable
Bottom)	(AirPods, 25~60% Power	powered by AC/DC Adapter &
	Charging)	Wireless Charging to WPT Client
	Operating	EUT with lightning to USB-C cable
	(AirPods, >75% Power Charging)	powered by AC/DC Adapter &
		Wireless Charging to WPT Client
10	Operating	EUT powered by internal battery &
(1W, 2mm	(AirPods, ~10% Power Charging)	Wireless Charging to WPT Client
Airgap + 3mm	Operating	EUT powered by internal battery &
Shift to Top or	(AirPods, 25~60% Power	Wireless Charging to WPT Client
Bottom)	Charging)	
	Operating	EUT powered by internal battery &
	(AirPods, >75% Power Charging)	Wireless Charging to WPT Client

DATE: 4/26/2021

MEASUREMENT SETUP

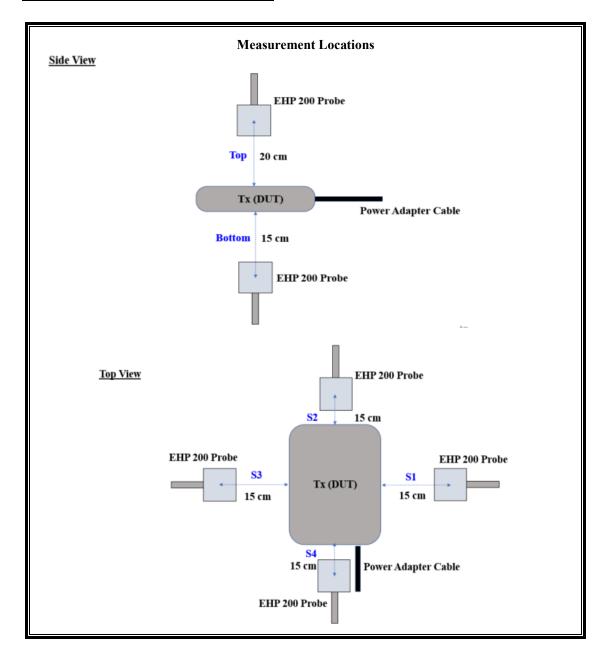
For the 360kHz charging frequency with 15W load at portable position, please see exposure simulation report.

For the 127.7kHz charging frequency with 5W and 1W loads at mobile position, the measurement was taken using a probe placed 15 cm surrounding the device and 20 cm above the top surface for all configurations per KDB 680106 D01.

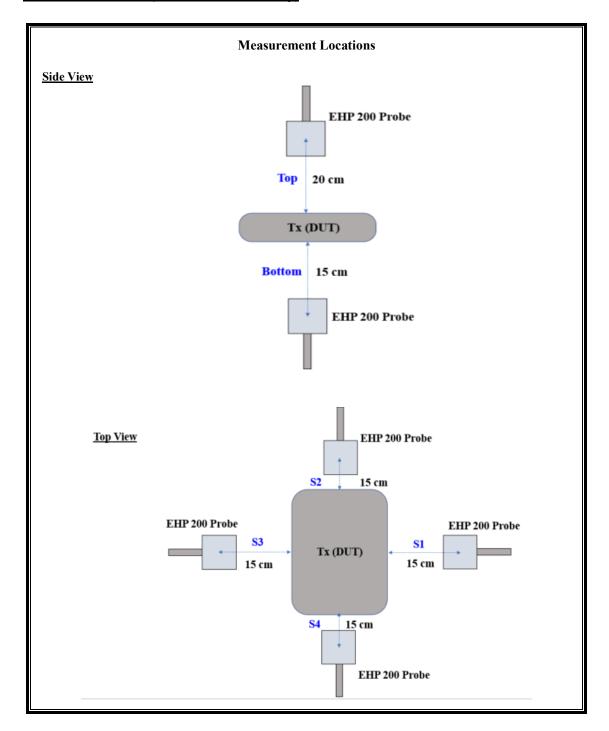
DATE: 4/26/2021

@127.7KHZ OPERATING FREQUENCY IN MOBILE POSTION

CONFIGURATION 1 (EUT + AC Adapter)

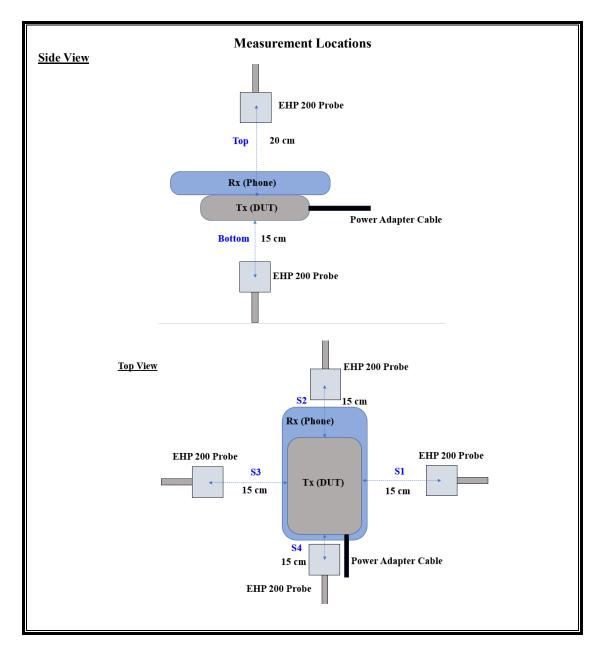


DATE: 4/26/2021 MODEL NAME: A2384



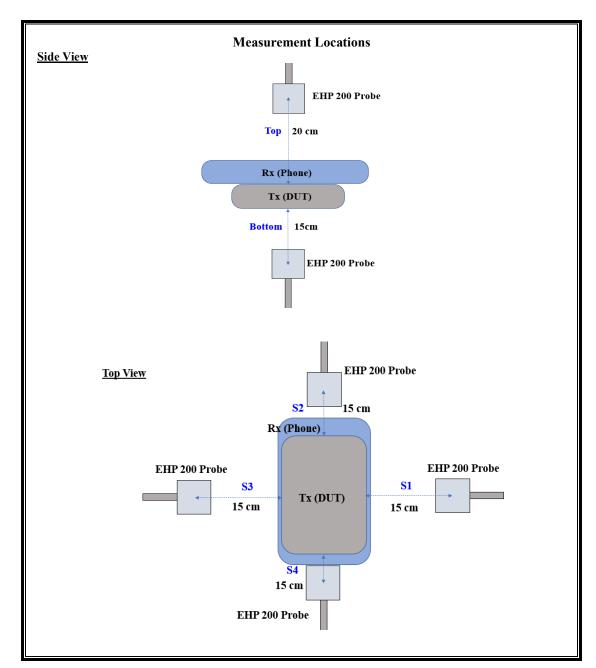
DATE: 4/26/2021

CONFIGURATION 3 (EUT + AC Adapter + Phone)



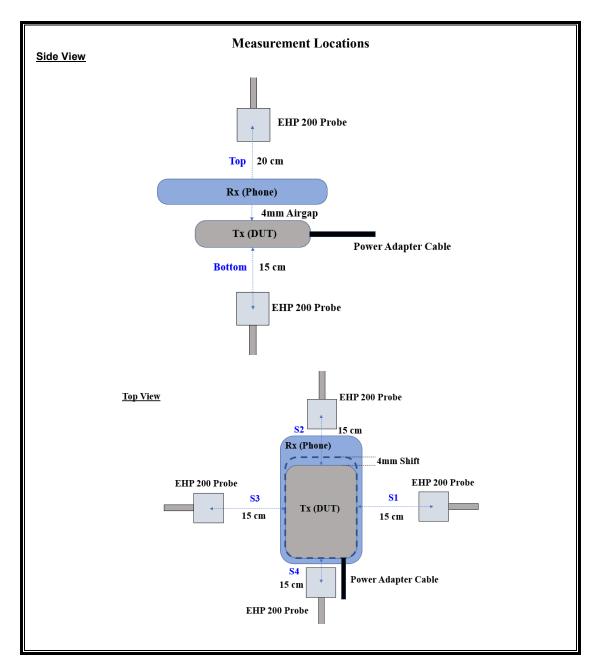
DATE: 4/26/2021

CONFIGURATION 4 (EUT + Internal Battery + Phone)



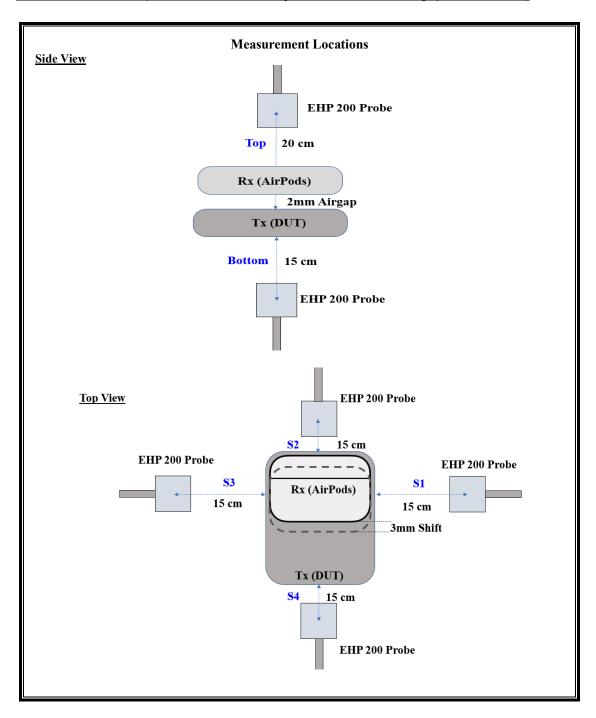
DATE: 4/26/2021

CONFIGURATION 5 (EUT + AC Adapter + Phone with 4mm gap & 4mm Shift)



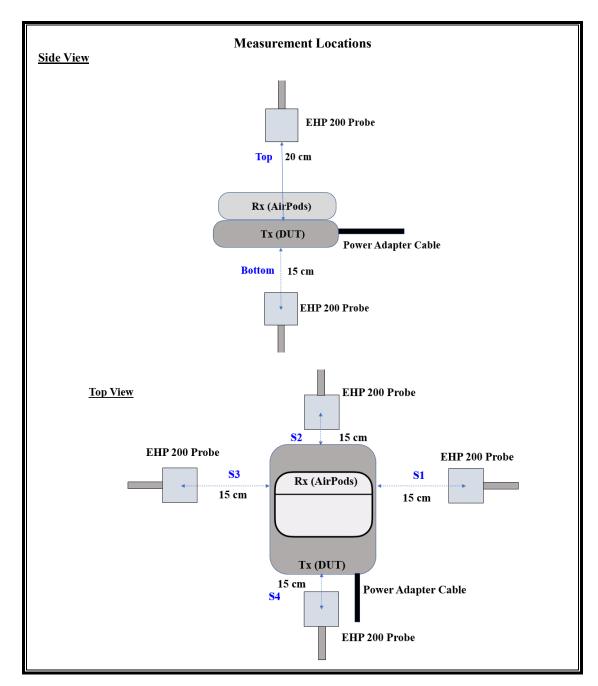
DATE: 4/26/2021

CONFIGURATION 6 (EUT + Internal Battery + Phone with 4 mm gap & 4mm Shift)



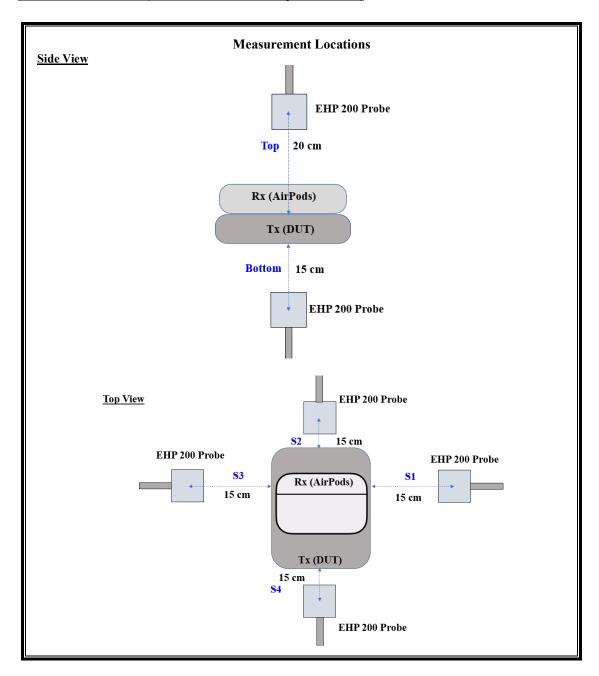
DATE: 4/26/2021

CONFIGURATION 7 (EUT + AC Adapter + AirPods)



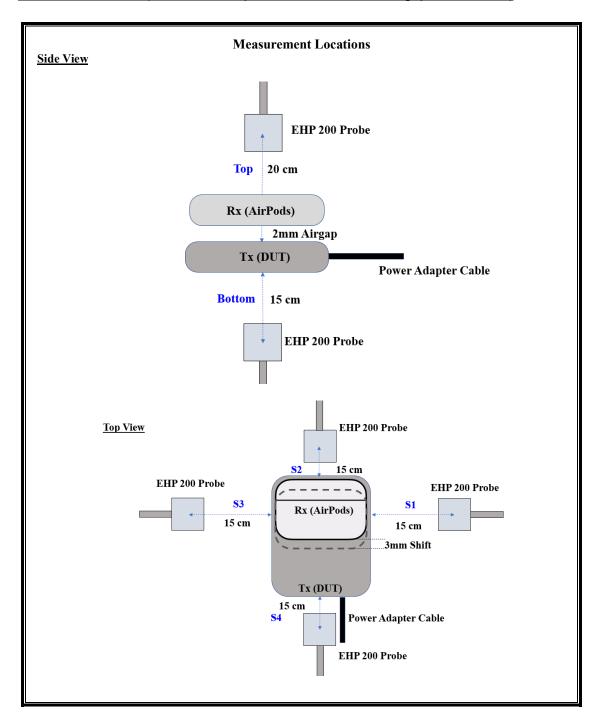
DATE: 4/26/2021

CONFIGURATION 8 (EUT + Internal Battery + AirPods)



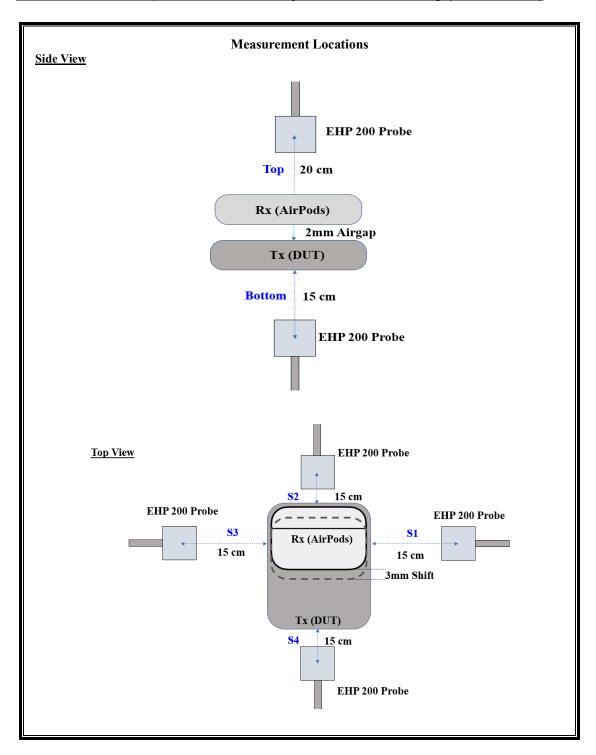
DATE: 4/26/2021

CONFIGURATION 9 (EUT + AC Adapter + AirPods with 2mm gap & 3mm Shift)



DATE: 4/26/2021

CONFIGURATION 10 (EUT + Internal Battery + AirPods with 2mm gap & 3mm Shift)



DATE: 4/26/2021

REPORT NO: 13371066-E2V2 DATE: 4/26/2021 EUT: MAG SAFE BATTERY PACK MODEL NAME: A2384

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	Model S/N Label ID		Cal Due	Cal Date		
Electric and								
Magnetic Field	Narda	EHP-200A	160WX41008	T1085	01/16/2022	01/16/2021		
Probe								
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A- 544	MY52350671	T342	01/25/2022	01/25/2021		

7. DUTY CYCLE

LIMITS

None; for reporting purposes only.

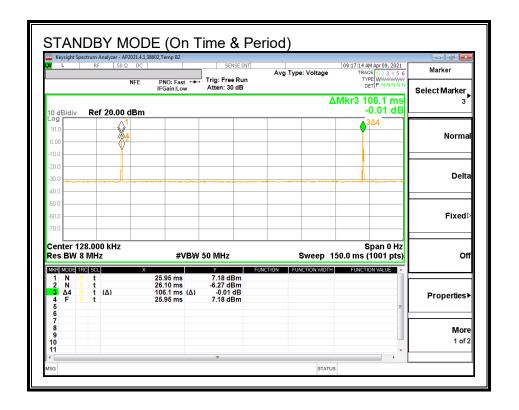
PROCEDURE

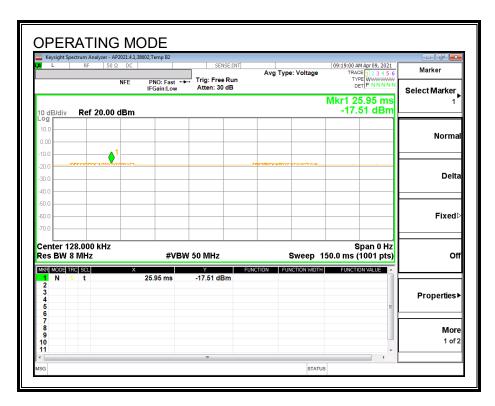
Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time	Period	Duty Cycle	Duty	Duty Cycle
	В		х	Cycle	Correction Factor
	(msec)	(msec)	(linear)	(%)	(dB)
Standby	26.10	106.10	0.25	24.60%	6.09
Operating	100.00	100.00	1.00	100.00%	0.00

DATE: 4/26/2021





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)	strength strength Pow		Averaging time (minutes)			
(A) Limits for Occupational/Controlled Exposures							
0.3–3.0	614 1842/f	1.63 4.89/f	*(100) *(900/f²)	6			
30–300 300–1500	61.4	0.163	1.0 f/300	6 6			
1500–100,000			5	6			
(B) Limits	for General Populati	on/Uncontrolled Exp	posure				
0.3–1.34 1.34–30	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)
30–300 300–1500	27.5	0.073	0.2 f/1500	30 30
1500–100,000			1.0	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.

DATE: 4/26/2021

^{* =} 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-

RESULTS

ID: 38602 Date:	04/08/2021-04/15/2021
-----------------	-----------------------

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	0.079	0.01%	1.63	0.007	0.43%

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	0.063	0.01%	1.63	0.007	0.43%

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	0.578	0.09%	1.63	0.029	1.78%

Configuration #4:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.270	0.04%	1.63	0.028	1.72%

Configuration #5:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.384	0.06%	1.63	0.080	4.91%

Configuration #6:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.325	0.05%	1.63	0.078	4.79%

Configuration #7:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.429	0.07%	1.63	0.074	4.54%

DATE: 4/26/2021

Configuration #8:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.367	0.06%	1.63	0.066	4.05%

Configuration #9:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.511	0.08%	1.63	0.283	17.36%

Configuration #10:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.487	0.08%	1.63	0.277	16.99%

DATE: 4/26/2021

REPORT NO: 13371066-E2V2 DATE: 4/26/2021 EUT: MAG SAFE BATTERY PACK MODEL NAME: A2384

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 (Tethered Mode-EUT With Power Adapter)

			Electric Field Limit		Elec	ctric Field Reading		Magnetic Field Limit		Ma	gnetic Field Reading	
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)	
		(GIII)	IC Limit	Location	Peak	Duty Cycle %	FCC Average	IC Limit	Location	Peak	Duty Cycle %	FCC Average
				S1	0.221		0.055		S1	0.026		0.007
		15 cm surrounding the		S2	0.220		0.054		S2	0.026		0.006
		device (S1 - S4 & Rear)		S3	0.221		0.055		S3	0.025		0.006
1	Standby	and 20 cm above the top	614	S4	0.277	6.09	0.068	1.63	\$4	0.025	6.09	0.006
		surface of the EUT		Bottom	0.320		0.079		Bottom	0.028		0.007
		surface of the EOT		Тор	0.301		0.074		Тор	0.029		0.007
				Max	0.320		0.079		Max	0.029		0.007

Configuration #2 (Untethered Mode-EUT powered by internal Battery)

		Measuring Distance	Electric Field Limit		Elec	tric Field Reading		Magnetic Field Limit		Maç	netic Field Reading		
Configuration	Test Mode	(cm)	(V/m)			(V/m)		(A/m)		(A/m)			
		(cm)	IC Limit	Location	Peak	Duty Cycle %	FCC Average	IC Limit	Location	Peak	Duty Cycle %	FCC Average	
				S1	0.220		0.054		S1	0.027		0.007	
		15 cm surrounding the		S2	0.228		0.056]	S2	0.027		0.007	
		device (S1 - S4 & Rear)		S3	0.221		0.055		S3	0.027		0.007	
2	Standby	and 20 cm above the top	614	S4	0.255	6.09	0.063	1.63	S4	0.027	6.09	0.007	
		surface of the EUT		Bottom	0.252		0.062		Bottom	0.027		0.007	
		Surface of the Eor		Тор	0.252		0.062		Тор	0.028		0.007	
				Max	0.255		0.063		Max	0.028		0.007	

Configuration #3 (5W, Tethered Mode--EUT + Legacy Phone + AC adapter)

			Electric Field Limit		Elec	ctric Field Reading		Magnetic Field Limit		Маç	agnetic Field Reading	
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)	
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
				S1	0.243		0.243		S1	0.025		0.025
	'		1	S2	0.255	4	0.255		S2	0.027	4	0.027
	Operating Real Product	ging)	1	S3	0.243		0.243		S3	0.026	4	0.026
	(Power ~10% Charging)		1	S4	0.245	100	0.245		S4	0.027	100	0.027
	(FOWER 1070 CHAIREND)		1	Bottom	0.525	4	0.525		Bottom	0.027	⊿	0.027
	'		1	Тор	0.321	4	0.321		Тор	0.027	4	0.027
		_	1	Max	0.525	4	0.525		Max	0.027	4	0.027
	'		1	S1	0.244	4	0.244		S1	0.026	4	0.026
	Operating Real Product	15 cm surrounding the	. '	S2	0.259	4	0.259		S2	0.028	4	0.028
		device (S1 - S4 & Rear)		S3	0.251	4	0.251	1.63	S3	0.027	4	0.027
3	(Power 25% ~ 60% Charging)			S4	0.266	100	0.266		S4	0.027	100	0.027
	1,	surface of the EUT	1	Bottom	0.578	4	0.578	4 '	Bottom	0.027		0.027
	'		1	Тор	0.321	4	0.321		Тор	0.029	4	0.029
		4	1	Max	0.578	4	0.578	4 '	Max	0.029	4	0.029
		1	S1	0.251	A	0.251	4 '	S1	0.025	4	0.025	
	'		1	S2	0.259	A	0.259	4	S2	0.027	4	0.027
	Operating Real Product		1	S3	0.244	4 400	0.244	4 '	S3 S4	0.027	4	0.027
	(Power >75% Charging)		1	S4	0.243	100	0.243	4 '		0.027	100	0.027
	'		1	Bottom	0.567	A	0.567	4 '	Bottom	0.027	A .	0.027
	'		1	Top	0.311	A	0.311	- '	Top	0.027	4	0.027
	1			Iviax	0.507	4	0.50/		Iviax	0.027	<u> </u>	0.027

DATE: 4/26/2021

Configuration #4 (5W, Untethered Mode--EUT + Legacy Phone + internal battery)

			Electric Field Limit		Elec	ctric Field Reading		Magnetic Field Limit		Mag	gnetic Field Reading	
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)	
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
				S1	0.213		0.213		S1	0.025		0.025
	'	1	'	S2	0.236		0.236		S2	0.026		0.026
	Operating Real Product	1	'	S3	0.244	1	0.244		S3	0.025		0.025
	(Power ~10% Charging)		'	S4	0.221	100	0.221		S4	0.025	100	0.025
		'	Bottom	0.255	4	0.255		Bottom	0.025	4	0.025	
		1	'	Тор	0.221	4	0.221	. '	Тор	0.025		0.025
		1	'	Max	0.255		0.255	1	Max	0.026		0.026
	1	1	'	S1	0.221	4	0.221	1	S1	0.027	4	0.027
	1	15 cm surrounding the	'	S2	0.236	4	0.236	4 '	S2	0.028	4	0.028
	4 Operating Real Product d (Power 25% ~ 60% Charging) and	device (S1 - S4 & Rear)	614	S3	0.262	4	0.262		S3	0.025	4	0.025
4			614	S4	0.228	100	0.228	1.63	S4	0.025	100	0.025
		surface of the EUT	'	Bottom	0.270	A .	0.270 0.228	4 '	Bottom	0.025		0.025
	1	1	'	Top Max	0.228	l .	0.228		Top Max	0.025	4	0.025
		+	'	Max S1	0.270		0.270	4 '	Max S1	0.028		0.028
		1	'	S1 S2	0.220	l .	0.220	- 1	S1 S2	0.027	d	0.027
		1	'	S3	0.228	i .	0.228	1	S3	0.027	4	0.027
	Operating Real Product	1	'	S4	0.219	100	0.219	1	S4	0.025	100	0.025
	(Power >75% Charging)	1	1	Bottom	0.255	1	0.255	† '	Bottom	0.025	1	0.025
	'	1	1	Top	0.218	1	0.218	1 '	Top	0.025	1	0.025
	'	1	1	Max	0.255		0.255	1 '	Max	0.027	1	0.027

DATE: 4/26/2021

Configuration #5 (4mm gap & 4mm shift, tethered Mode, Legacy phone + AC Adapter)

			Electric Field Limit		Elec	tric Field Reading		Magnetic Field Limit		Mag	netic Field Reading														
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)														
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average													
				S1	0.243		0.243		S1	0.030		0.030													
				S2	0.243		0.243		S2	0.025		0.025													
	Operating Real Product			S3 S4	0.245	100	0.245 0.245	-	S3 S4	0.032	100	0.032													
	(Power >10% Charging) (4mm Airgap at Center)			Bottom	0.245	100	0.245	-	Bottom	0.027	100	0.027													
	(4mm Angap at Center)			Top	0.253		0.253	-	Top	0.028		0.028													
				Max	0.345		0.345		Max	0.033		0.033													
				S1	0.251		0.251		S1	0.031		0.031													
	Operating Real Product			S2	0.251		0.251		S2	0.045		0.045													
	(Power >10% Charging)			S3	0.279		0.279		S3	0.031		0.031													
	(4mm Airgap & 4mm Shift to			S4	0.266 0.361	100	0.266 0.361	-	S4	0.035	100	0.035													
	the Top)			Bottom Top	0.361		0.235	-	Bottom Top	0.036		0.036													
				Max	0.351		0.351	1	Max	0.027		0.027													
				S1	0.236		0.236	1	S1	0.041		0.041													
	Operating Real Product			S2	0.251		0.251		S2	0.077		0.077													
	(Power >10% Charging)			S3	0.228		0.228		\$3	0.035		0.035													
	(4mm Airgap & 4mm Shift to			S4	0.232	100	0.232	-	S4	0.036	100	0.036													
	the Bottom)			Bottom	0.371		0.371	-	Bottom	0.039		0.039													
				Top Max	0.235 0.371		0.235 0.371	-	Top Max	0.030		0.030													
				S1	0.251		0.251	-	S1	0.028		0.077													
				52	0.245		0.245		52	0.025		0.025													
	Operating Real Product			S3	0.247		0.247		S3	0.034		0.034													
	(Power ~25% ~60% Charging)			\$4	0.266	100	0.266		\$4	0.027	100	0.027													
	(4mm Airgap at Center)	15 cm surrounding the device (S1 - S4 & Rear)		Bottom	0.371		0.371		Bottom	0.035		0.035													
				Тор	0.254		0.254		Тор	0.030		0.030													
			device (S1 - S4 & Rear)	device (S1 - S4 & Rear)		device (S1 - S4 & Rear)											Max S1	0.371 0.251		0.371 0.251	-	Max S1	0.035		0.035
	Operating Real Product															1	lui u		S2	0.266		0.266	-	S2	0.045
	(Power ~25% ~60%%														53	0.251		0.251		53	0.031		0.031		
5	Charging)						614	S4	0.274	100	0.274	1.63	S4	0.035	100	0.035									
	(4mm Airgap & 4mm Shift to	surface of the EUT		Bottom	0.375		0.375		Bottom	0.034		0.034													
	the Top)	3411460 01 410 201		Тор	0.245		0.245		Тор	0.029		0.029													
				Max	0.375		0.375		Max	0.045		0.045													
				S1 S2	0.244 0.256		0.244 0.256	-	S1 S2	0.041		0.041													
	Operating Real Product			S3	0.236		0.236	-	S3	0.035		0.035													
	(Power 25% ~60% Charging)			S4	0.245	100	0.245		S4	0.039	100	0.039													
	(4mm Airgap & 4mm Shift to the Bottom)			Bottom	0.384		0.384		Bottom	0.039		0.039													
	the bottom)			Тор	0.245		0.245		Тор	0.031		0.031													
				Max	0.384		0.384		Max	0.080		0.080													
				S1	0.244		0.244	+	S1 C2	0.030		0.030													
	Operating Real Product			S2 S3	0.243 0.237		0.243 0.237	+	S2 S3	0.025		0.025 0.032													
	(Power >75% Charging)			53 S4	0.254	100	0.254	1	S4	0.032	100	0.032													
	(4mm Airgap at Center)			Bottom	0.374	100	0.374	1	Bottom	0.034		0.023													
	1			Тор	0.254		0.254	1	Тор	0.030		0.030													
				Max	0.374		0.374		Max	0.034		0.034													
				S1	0.251		0.251	1	S1	0.030		0.030													
	Operating Real Product			S2 S3	0.266 0.251		0.266 0.251	+	S2 S3	0.044		0.044													
	(Power >75% Charging)			S3 S4	0.251	100	0.251	+	S3 S4	0.031	100	0.031													
	4mm Airgap &4mm Shift to			Bottom	0.268	100	0.268	1	Bottom	0.034	100	0.034													
	the Top)			Top	0.245		0.245	1	Top	0.029		0.031													
				Max	0.373		0.373		Max	0.044		0.044													
				S1	0.244		0.244		S1	0.040		0.040													
	Operating Real Product			S2	0.266		0.266	1	S2	0.078		0.078													
	(Power >75% Charging)			S3	0.244		0.244	-	S3	0.034		0.034													
	4mm Airgap & 4mm Shift to			S4 Bottom	0.231	100	0.231 0.380	-	S4 Bottom	0.039	100	0.039 0.041													
	the Bottom)			Bottom Top	0.380		0.380	+	Bottom Top	0.041		0.041													
				Max	0.245		0.245	+	Max	0.030		0.030													

DATE: 4/26/2021

Configuration #6 (4mm gap & 4mm shift, Untethered Mode, Legacy phone + Battery)

			Electric Field Limit		Elec	tric Field Reading		Magnetic Field Limit		Mag	gnetic Field Reading													
Configuration	Test Mode	Measuring Distance (cm)	(V/m)		ı	(V/m)		(A/m)			(A/m)													
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average												
				S1	0.285		0.285		S1	0.036		0.036												
	Operating Real Product			S2 S3	0.308		0.308	-	S2 S3	0.027		0.027												
	(Power >10% Charging)			54	0.283	100	0.283		54	0.027	100	0.027												
	(4mm Airgap at Center)			Bottom	0.282		0.282		Bottom	0.032		0.032												
				Тор	0.292		0.292		Тор	0.028		0.028												
				Max S1	0.308 0.221		0.308 0.221		Max S1	0.036		0.036												
				52	0.228		0.228		S2	0.051		0.051												
	Operating Real Product (Power >10% Charging)			S3	0.221		0.221		S3	0.035		0.035												
	(4mm Airgap & 4mm Shift to			S4	0.222	100	0.222		S4	0.036	100	0.036												
	the Top)			Bottom Top	0.245 0.228		0.245		Bottom Top	0.033		0.033												
				Max	0.245		0.245	1	Max	0.051		0.051												
				S1	0.244		0.244		S1	0.060		0.060												
	Operating Real Product			S2 S3	0.285		0.285	-	S2 S3	0.071		0.071												
	(Power >10% Charging)			53 54	0.268	100	0.268		53 54	0.025	100	0.026												
	(4mm Airgap & 4mm Shift to the Bottom)			Bottom	0.237	100	0.237	1	Bottom	0.027	100	0.027												
	the Bottom)			Тор	0.212		0.212		Тор	0.026		0.026												
				Max S1	0.285 0.297		0.285		Max S1	0.071		0.071												
				51	0.297		0.314		S1 S2	0.036		0.036												
	Operating Real Product			S3	0.325		0.325		S3	0.035		0.035												
	(Power ~25% ~60% Charging)		-	S4	0.303	100	0.303		\$4	0.026	100	0.026												
	(4mm Airgap at Center)			Bottom	0.289		0.289		Bottom	0.035		0.035												
				Top Max	0.300 0.325		0.300 0.325		Top Max	0.030		0.030												
				S1	0.228		0.228		S1	0.033		0.033												
	Operating Real Product		device (S1 - S4 & Rear)	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear)			S2	0.251		0.251		S2	0.053		0.053								
6	(Power ~25% ~60% Charging)													614	S3 S4	0.244	100	0.244	1.63	S3 S4	0.032	100	0.032	
	(4mm Airgap & 4mm Shift to				024	Bottom	0.255	100	0.255	1.05	Bottom	0.036	100	0.036										
	the Top)	surrace of the EOT		Тор	0.228		0.228		Тор	0.031		0.031												
				Max S1	0.255		0.255		Max S1	0.053		0.053												
				52	0.285		0.285	-	52	0.058		0.058												
	Operating Real Product (Power 25% ~60% Charging)			S3	0.283		0.283		S3	0.026		0.026												
	(4mm Airgap & 4mm Shift to			\$4	0.264	100	0.264		\$4	0.026	100	0.026												
	the Bottom)			Bottom	0.247 0.218		0.247 0.218		Bottom	0.026		0.026												
				Top	0.218		0.285		Top Max	0.027		0.027												
		1		S1	0.283		0.283		S1	0.036		0.036												
				S2	0.314		0.314		S2	0.027		0.027												
	Operating Real Product (Power >75% Charging)			S3 S4	0.325 0.297	100	0.325 0.297		\$3 \$4	0.035	100	0.035												
	(4mm Airgap at Center)			Bottom	0.297	100	0.282	1	Bottom	0.033	100	0.027												
	"			Тор	0.300		0.300		Тор	0.030		0.030												
				Max	0.325		0.325		Max	0.036		0.036												
				S1 S2	0.221 0.228		0.221	-	S1 S2	0.031		0.031												
	Operating Real Product			S3	0.228		0.237	1	S3	0.035		0.031												
	(Power >75% Charging) 4mm Airgap &4mm Shift to			S4	0.221	100	0.221		S4	0.037	100	0.037												
	the Top)			Bottom	0.248		0.248		Bottom	0.036		0.036												
				Top Max	0.218 0.248		0.218	-	Top Max	0.027		0.027												
				S1	0.248		0.230	1	S1	0.058		0.051												
	Operating Real Product			S2	0.282		0.282		S2	0.076		0.076												
	(Power >75% Charging)			S3	0.268	400	0.268		53	0.027		0.027												
	4mm Airgap & 4mm Shift to			S4 Bottom	0.264 0.235	100	0.264	-	S4 Bottom	0.026	100	0.026												
	the Bottom)			Top	0.235		0.218	1	Top	0.027		0.026												
	I .			Max	0.282		0.282	1	Max	0.078		0.078												

DATE: 4/26/2021

Configuration #7 (1W, tethered Mode, Airpod + AC Adapter)

0	Test Mode M	Measuring Distance	(V/m)	Electric Field Limit Electric Field Reading (V/m) (V/m)					Magnetic Field Limit		Mag	ignetic Field Reading	
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)		
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average	
				S1	0.213		0.213		S1	0.036	4	0.036	
	1	1	1	S2	0.282	4	0.282		S2	0.072	4	0.072	
	Operating Real Product	1	1	S3	0.213	4	0.213		S3	0.043	4	0.043	
	(Power ~10% Charging)		1	S4	0.221	100	0.221		S4	0.031	100	0.031	
		1	1	Bottom	0.417	4	0.417		Bottom	0.068	4	0.068	
		1		Тор	0.334	4	0.334] '	Тор	0.059	4	0.059	
L		4	1	Max	0.417	4	0.417		Max	0.072	4	0.072	
	1	1	1	S1	0.236	4	0.236	۱ '	S1	0.038	4	0.038	
	1	15 cm surrounding the	1	S2	0.282	100	0.282	1 '	52	0.073	4	0.073	
	7 Operating Real Product d (Power 25% ~ 60% Charging) and	device (S1 - S4 & Rear)	1 '	S3	0.218		0.218	J	53	0.043	A	0.043	
7 (614	S4	0.220		0.220	1.63	S4	0.033	100	0.033	
	1	surface of the EUT	1	Bottom	0.429	A	0.429	<u>.</u>	Bottom	0.069		0.069	
	1	1	1	Top	0.429	A	0.429	⊿ '	Тор	0.074	4 '	0.074	
-		+ '	1	Max S1	0.429		0.429	4 '	Max S1	0.074	 '	0.074	
		1	1	S1 S2	0.239	A .	0.239	4 '	S1 S2	0.038	4 '	0.038	
		1	1	S2 S3	0.262	A .	0.262	4 '	S2 S3	0.072	4 '	0.072	
	Operating Real Product	1	1	S4	0.221	100	0.221	1 '	S4	0.041	100	0.041	
	(Power >75% Charging)	1	1	Bottom	0.218	1	0.218	1 '	Bottom	0.067	100	0.031	
	1	1	1	Top	0.337	4	0.337	1 '	Top	0.062	4 '	0.062	
	1	1	1	Max	0.415	4	0.415	1 '	Max	0.072	4	0.072	

DATE: 4/26/2021

Configuration #8 (1W, Untethered Mode, Airpod + internal Battery)

			Electric Field Limit		Elec	ctric Field Reading		Magnetic Field Limit		Mag	gnetic Field Reading	
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)	
		l viii	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
				S1	0.251		0.251		S1	0.034		0.034
		1	1	S2	0.282	4	0.282		S2	0.057		0.057
	Operating Real Product		'	S3	0.251	4	0.251		S3	0.039		0.039
			1	S4	0.259	100	0.259		S4	0.033	100	0.033
	Operating Real Product (Power ~10% Charging)	1	1	Bottom	0.271	4	0.271		Bottom	0.061	4	0.061
		1	-	Тор	0.300	4	0.300		Тор	0.053	4	0.053
		-		Max	0.300		0.300		Max	0.061		0.061
	<u> </u>	1	1	S1	0.256	4	0.256		S1	0.033		0.033
		15 cm surrounding the		S2	0.323		0.323		S2	0.059	4	0.059
	Operating Real Product	device (S1 - S4 & Rear)		S3	0.266	4	0.266	1.63	S3	0.037	4	0.037
8	(Power 25% ~ 60% Charging)			S4	0.262	100	0.262		S4	0.042	100	0.042
	(FOWER 2570 DOTO CITE-OOF	surface of the EUT	1	Bottom	0.309	4	0.309		Bottom	0.066		0.066
		301.222.2.2.2	1	Тор	0.367	4	0.367	⊿ '	Тор	0.057	4	0.057
	L	١ .	1	Max	0.367	4	0.367	4 '	Max	0.066	4	0.066
	1	1	S1	0.255	4	0.255	_ '	S1	0.033	4	0.033	
		1	1	S2	0.280	4	0.280		S2	0.056	4	0.056
	Operating Real Product	1	1	S3	0.251	4	0.251	_ '	S3	0.038	4	0.038
	(Power >75% Charging)	1	1	S4	0.262	100	0.262	_ '	S4	0.039	100	0.039
	1	1	1	Bottom	0.309	4	0.309	_ '	Bottom	0.064	4	0.064
		1	1	Тор	0.346	4	0.346	- '	Тор	0.061	4	0.061
	1	1		Max	0.346	a ·	0.346		Max	0.064	4	0.064

DATE: 4/26/2021

Configuration #9 (2mm Gap & 3mm Shift, tethered Mode, Airpod + AC adapter)

Test Mode				Electric Field Limit		Elec	tric Field Reading		Magnetic Field Limit		Mag	netic Field Reading														
Section Control Cont	Configuration	Test Mode		(V/m)		I	(V/m)		(A/m)			(A/m)														
S2 0.322 53 0.082 100 0.220 10				FCC	Location	Peak	Duty Cycle %		FCC	Location	Peak	Duty Cycle %	FCC Averag													
Signature Sign													0.037													
Section Sect		Operating Peal Product							-				0.082													
Top 0.411							100					100	0.031													
Max 0.432		(2mm Airgap at Center)			Bottom					Bottom			0.088													
St													0.071													
Coversing Real Product Power 2506 Charging Came Alega & Sam Shift to the Top) Sam Shift to the Sa									-				0.088													
Common C													0.029													
Came Arage & Assemblished													0.030													
## Top 0.440							100					100	0.030													
Max 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.442 0.444													0.280													
Siling Common C		1							+				0.074													
Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% +00% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to the Bottom) Operating Real Product (Power 25% Charging) (Zem Airgap & Sam Shift to th									1				0.028													
Grower 10% Charging) S3 0.0.29 0.276 S4 0.004 100 0.294 S4 0.004 100 0.294 S4 0.004 100 0.295 S5 0.004 S6 0.006 S6 S6 S6 S6 S6 S6 S6		Oncorting Book Book and				0.307		0.307	1	S2	0.093		0.093													
Section Sect													0.042													
Top 0.272 Control							100					100	0.044													
Max		the Bottom) Operating Real Product (Power "25% "60% Charging)							-				0.134													
St													0.097													
Operating Real Product (Power 75% Charging) Same Airgoon Sam						0.251		0.251		S1	0.035		0.036													
Power 25% +60% Charging (2mm Airgap at Center) S4												0.085														
Part							100					100	0.037													
Properating Real Product (Power *25% *60% Charging)							100					100	0.032													
Siling Common C													0.074													
Operating Real Product (Power *25%* Cot% Charging) (2mm Airgap & Smm Shift to the EUT) 9 (Power *25%* Cot% Charging) (2mm Airgap & Smm Shift to the Top) Operating Real Product (Power *25%* Cot% Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Cot% Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Cot% Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift to the Gottom) Operating Real Product (Power *25%* Charging) (2mm Airgap & Smm Shift													0.098													
15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Bottom) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75% Charging) (2mm Airgap & 3mm Shift to the Top) 15 cm surrounding Real Product (Power 75			device (S1 - S4 & Rear)																							
9 (Power *25%** *CDW. Charging) (2mm Airgap & Amm Shift to the Bottom) Operating Real Product (Power *25%** *CDW. Charging) (2mm Airgap & Amm Shift to the Bottom) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%** *Charging) (2mm Airgap & Camera) Operating Real Product (Power *25%*																										
Section Care Sect	q													614			100		1.63			100	0.029			
Inp 0.057 100 10	-)									0.283													
S1		the rop)	Surface of the Eor										0.077													
Second S													0.283													
Same													0.039													
Camm Airgap & 3 mm Shift to the Bottom S4 0.511 Bottom 0.511 Bottom 0.511 Bottom 0.511 Bottom 0.511 Bottom 0.511 Bottom 0.511 Max 0.512													0.044													
the Bottom) Top 0.288 0.288 Top 0.078					\$4		100	0.316		\$4		100	0.042													
Max 0.511 0.511 S1 0.251 S1 0.251 S1 0.251 S2 0.035 S2 0.078 S3 0.228 S3 0.038 S2 0.078 S3 0.228 S3 0.038 S4 0.228 S4 0.031 S5													0.151													
S1													0.078													
S2													0.151													
(Power >75% Charging) (2mm Airgap at Center) Bottom 0.429 O.429 O.429 Top 0.406 Max 0.429 O.429 O.449 Top 0.406 Max 0.429 O.429 S1 0.360 O.430 O.449 S1 0.360 S1 0.360 S2 0.334 S2 0.364 (Power >75% Charging) (2mm Airgap & 3mm shift to the Top) Top 0.057 Max 0.464 Max 0.429 O.464 Bottom 0.277 Max 0.464 O.464 Max 0.277 Max 0.464 O.464 Max 0.277 Max 0.464 Max 0.277 Operating Real Product S1 0.344 O.464 Max 0.278 Max 0.464 O.464 Max 0.277 Operating Real Product S2 0.455 O.415 Operating Real Product S3 0.346 Operating Real Product S2 0.455 O.415 Operating Real Product						0.315					0.078		0.078													
Sottom 0.429 0.429 Sottom 0.099													0.038													
Top 0.406 0.406 Top 0.071							100		+			100	0.031													
Max 0.429 0.429 Max 0.099		(ZIIIM Airgap at Center)							+				0.099													
S1 0.360 0.360 S1 0.031									1				0.071													
Operating Real Product S3 0.346 0.346 S3 0.027 (Power 75% Charging) S4 0.047 100 0.467 S4 0.027 100 0.467 S4 0.027 100 0.467 S4 0.027 100 0.468 Bottom 0.278 Top 0.057 0.057 Top 0.278 Max 0.464 0.464 0.464 S51 0.040 S51 0.344 0.314 S51 0.040 S51 0.040 S52 0.415 S52 0.045 S52 0.045 S52 0.064 S53 0					S1	0.360		0.360		S1	0.031		0.031													
(Power x75% Charging)		Operating Real Product							1				0.056													
(2mm Alrgap & 3mm Shift to the Top) 100							100		+			400	0.027													
Top 0.057 0.057 Top 0.278 Max 0.464 0.464 Max 0.277 \$1 0.314 0.314 \$1 0.040 Operating Real Product \$2 0.415 \$2 0.094 Construction of the const		(2mm Airgap & 3mm Shift to					100		+			100	0.027													
Max 0.464 0.464 Max 0.277 S1 0.314 0.314 51 0.040 Operating Real Product S2 0.415 52 0.094		the Top)							1				0.278													
S2 0.415 0.415 52 0.094 C22 0.200 C2					Max	0.464		0.464		Max	0.277		0.277													
Operating Real Product 52 0.220 53 0.042									1				0.040													
		Operating Real Product							-				0.094													
		(Power >75% Charging)					100		+			100	0.043													
(2mm Airgap & 3mm Shift to							100		1			100	0.149													
the Bottom) Top 0.272 0.272 Top 0.081 Max 0.473 Max 0.149		the Bottom)				0.272		0.272			0.081		0.081													

DATE: 4/26/2021

Configuration #10 (2mm Gap & 3mm Shift, Untethered Mode, Airpod + Internal Battery)

			Electric Field Limit		Elec	tric Field Reading		Magnetic Field Limit		Mag	netic Field Reading																
Configuration	Test Mode	Measuring Distance (cm)	(V/m)			(V/m)		(A/m)			(A/m)																
		, ,	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Averag															
				S1 S2	0.228		0.228		S1	0.033		0.033															
	Operating Real Product			S2 S3	0.279		0.279	-	S2 S3	0.081		0.081															
	(Power >10% Charging)			54	0.251	100	0.251		54	0.033	100	0.033															
	(2mm Airgap at Center)			Bottom	0.326		0.326		Bottom	0.101		0.101															
				Тор	0.327		0.327		Тор	0.071		0.071															
				Max S1	0.327 0.228		0.327 0.228	-	Max S1	0.101		0.101															
				S2	0.262		0.262	-	S2	0.066		0.066															
	Operating Real Product			53	0.228		0.228		53	0.038		0.038															
	(Power >10% Charging) (2mm Airgap & 3mm Shift to			S4	0.254	100	0.254		S4	0.031	100	0.031															
	the Top)			Bottom	0.092		0.092		Bottom	0.274		0.274															
	1			Top Max	0.309		0.309	-	Top Max	0.062		0.062															
				S1	0.309		0.309	1	S1	0.274		0.274															
	0			S2	0.323		0.323	1	S2	0.102		0.102															
	Operating Real Product (Power >10% Charging)			S3	0.220		0.220		S3	0.050		0.050															
	(2mm Airgap & 3mm Shift to			S4	0.213	100	0.213		\$4	0.044	100	0.044															
	the Bottom) Operating Real Product (Power "25% "60% Charging) (2mm Airgap at Center)		Bottom	0.361		0.361	-	Bottom	0.133		0.133																
			Top Max	0.477		0.477	-	Top Max	0.133		0.133																
			S1	0.228		0.228		S1	0.049		0.049																
			S2	0.282		0.282		S2	0.084		0.084																
			S3	0.268		0.268		S3	0.054		0.054																
			S4	0.244	100	0.244	-	S4	0.034	100	0.034																
			device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top		Bottom Top	0.353		0.353	-	Bottom Top	0.108		0.108													
					device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear) and 20 cm above the top	device (S1 - S4 & Rear)			Max	0.353		0.353		Max	0.108		0.108			
																		S1	0.245		0.245		S1	0.031		0.031	
	Operating Real Product																	S2	0.282		0.282		52	0.066		0.066	
10	(Power ~25% ~60% Charging)																614	S3 S4	0.254 0.285	100	0.254 0.285	1.63	S3 S4	0.037	100	0.037	
10	(2mm Airgap & 3mm Shift to												014	Bottom	0.086	100	0.086	1.05	Bottom	0.030	100	0.030					
	the Top)	surface of the EUT		Тор	0.326		0.326		Тор	0.065		0.065															
				Max	0.326		0.326		Max	0.277		0.277															
				S1 S2	0.251 0.301		0.251	-	S1 S2	0.040		0.040															
	Operating Real Product			S2 S3	0.301		0.301	-	S2 S3	0.103		0.103															
	(Power 25% ~60% Charging)			S4	0.218	100	0.218		S4	0.044	100	0.044															
	(2mm Airgap & 3mm Shift to the Bottom)			Bottom	0.352		0.352		Bottom	0.134		0.134															
	the bottom)			Тор	0.487		0.487		Тор	0.089		0.089															
				Max S1	0.487 0.228		0.487 0.228		Max S1	0.134		0.134															
				S2	0.315		0.315	1	52	0.084		0.049															
	Operating Real Product			S3	0.268		0.268]	S3	0.053		0.053															
	(Power >75% Charging)			\$4	0.245	100	0.245		\$4	0.036	100	0.036															
	(2mm Airgap at Center)			Bottom	0.326		0.326	-	Bottom	0.111		0.111															
				Top Max	0.343		0.343	1	Top Max	0.071		0.071															
				S1	0.254		0.254	1	S1	0.035		0.035															
	Operating Real Product			S2	0.290		0.290		S2	0.066		0.066															
	(Power >75% Charging)			S3	0.264		0.264		\$3	0.036		0.036															
	(2mm Airgap & 3mm Shift to			S4	0.259	100	0.259	-	S4	0.031	100	0.031															
	the Top)			Bottom Top	0.086		0.086	1	Bottom Top	0.276		0.276															
				Max	0.301		0.301	1	Max	0.276		0.276															
				S1	0.244		0.244		S1	0.042		0.042															
	Operating Real Product			S2	0.321		0.321		S2	0.101		0.101															
	(Power >75% Charging)			S3	0.220	100	0.220		S3	0.053		0.053															
	(2mm Airgap & 3mm Shift to			S4 Bottom	0.220	100	0.220	1	S4 Bottom	0.043	100	0.043															
	the Bottom)			Top	0.439		0.439	1	Top	0.130		0.130															
				Max	0.439		0.439	1	Max	0.130		0.130															

DATE: 4/26/2021

9. SETUP PHOTO

Please see setup photo report 13371066-EP1V1

END OF TEST REPORT

DATE: 4/26/2021