FCC Part 1 Subpart I
FCC Part 2 Subpart J

CERTIFICATION TEST REPORT

FOR

TWO COIL CHARGER

MODEL NO: A2458

FCC ID: BCGA2458

REPORT NUMBER: 13371062-E3V2

ISSUE DATE: OCTOBER 20, 2020

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

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

NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	10/14/2020	Initial Issue	Thu Chan
V2	10/20/2020	Address TCB's Questions	Chin Pang

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS

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

EUT DESCRIPTION: TWO COIL CHARGER

MODEL NUMBER: A2458

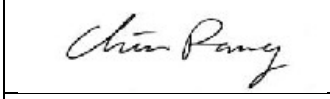
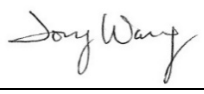
SERIAL NUMBER: G39Z400JNGHV

DATE TESTED: SEPTEMBER 25 – OCTOBER 07, 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:		Prepared By:
		
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.

3. FACILITIES AND ACCREDITATION

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

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

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

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

4. KDB 680106 D01 SECTION 5b EQUIPMENT APPROVAL CONSIDERATIONS

Requirement	Device
(1) Power transfer frequency is less than 1 MHz.	Yes. The operating frequencies are 360kHz, 127.7KHz, and 326kHz.
(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 only allows for capable wireless power transfer between one source and one client at any given time.
(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).	Yes. It is a mobile 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.	For the worst case leakage of portable position @360kHz, please see exposure simulation report. For the operating frequency at mobile position, the measurement was taken based on KDB 680106 D01. The worst case leakage of mobile position @360kHz is 4.42%, @326kHz is 5.96%, and @127.7kHz is 6.03%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a magnetic charger with two-coil charging mat designed to be capable of inductively charging up to two client devices at once. One coil is used for charging an iPhone or an AirPods Case while another coil is used for charging an Apple Watch. The charging function operates at 326.5kHz, 127.7kHz, and 360kHz. It supports charging at 5W, 7.5W, and 15W power and NFC Reader operation. There is no internal battery.

5.2. WORST-CASE CONFIGURATION AND MODE

The EUT is a magnetic charger with two-coil charging mat enclosed in stainless steel case with 1 meter cable length USB -C type. For the standby mode, the measurements were taken on the fundamental emissions of 326kHz and the radiated spurious emissions of 360kHz/127.7kHz due to 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.

Based on the client's internal investigation, the worst case was always on top position as for all the measurements. For the single WPT client in charging mode, we did all the airgaps & shifts positions on New iPhone @360kHz, Legacy iPhone @127.7kHz, New Apple Watch @ 326 kHz, Legacy Apple Watch @326 kHz and Airpods @127.7kHz measurements for both flatbed and folded configurations. For multiple WPT clients in charging mode, we only tested the worst case position which based on the single WPT client test results.

Config	Mode	Descriptions
1	Standby (Flatbed Position)	EUT Alone powered by AC/DC adapter.
2	Operating @360kHz (Flatbed Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
3	Operating @127.7kHz (Flatbed Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
4	Operating @127.7kHz (Flatbed Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
5	Operating @326kHz (Flatbed Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
6	Standby (Folded Position)	EUT Alone powered by AC/DC adapter.
7	Operating @360kHz (Folded Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
8	Operating @127.7kHz (Folded Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.

9	Operating @127.7kHz (Folded Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
10	Operating @326kHz (Folded Position)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Client, and the EUT is powered by AC/DC adapter via USB-C cable.
11	Operating @360kHz + 326kHz (Flatbed Position, Spot Check Worst Case only)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Clients, and the EUT is powered by AC/DC adapter via USB-C cable.
12	Operating @127.7kHz + 326kHz (Flatbed Position, Spot Check Worst Case only)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Clients, and the EUT is powered by AC/DC adapter via USB-C cable.
13	Operating @127.7kHz + 326kHz (Flatbed Position, Spot Check Worst Case only)	Direct contact with Airgaps and Shifts during charging between the EUT & WPT Clients, and the EUT is powered by AC/DC adapter via USB-C cable.

5.3. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

SUPPORT EQUIPMENT & PERIPHERALS LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
WPT Client (15W Load iPhone)	Apple	A2402	G6TD300804HV	BCG-E3542A
WPT Client (7.5W Load iPhone)	Apple	A2160	G39Z400JNGHV	BCG-E3305A
WPT Client (1W Load Airpods Charging Case)	Apple	A2190	DLCZ415LLKKT	BCG-A2084
WPT Client (1W Load iWatch/	Apple	A2292	GY6D302D03HW	BCG-A292
WPT Client (1W Load Legacy Watch	Apple	A2095	FHLZ30VFMLF1	BCG-A2095
AC/DC Adapter	Apple	A1882	C4H028208GYPF4F4S	DoC

I/O CABLES

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

TEST SETUP

The following configurations are tested:

Config. #	Mode	Descriptions
1	Standby (Flatbed Position) @360kHz/127.7kHz/326kHz	EUT Alone powered by AC/DC adapter
2	Operating (Flatbed Position) (New iPhone @360kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. New iPhone charging power with airgap and shift below: _15W: Direct Contact _15W: 2mm Airgap, 2mm Shift Top as Worst Case Position _7.5W: 4mm Airgap, 4mm Shift Top as Worst Case Position _3.5W: 5mm Airgap, 5mm Shift Top as Worst Case Position
3	Operating (Flatbed Position) (Legacy iPhone @127.7kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. Legacy iPhone charging power with airgap and shift below: _7.5W: Direct Contact _3W: 5mm Airgap, 5mm Shift Top as Worst Case Position
4	Operating (Flatbed Position) (AirPods @127.7kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. AirPods charging power with airgap and shift below: _1W: Direct Contact _1W: 2mm Airgap, 5mm Shift Top as Worst Case Position
5	Operating (Flatbed Position) (iWatch @326kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. _Direct Contact with New iWatch _Direct Contact with Legacy iWatch
6	Standby (Folded Position) @360kHz/127.7kHz/326kHz	EUT Alone powered by AC/DC adapter

7	Operating (Folded Position) (New iPhone @360kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. New iPhone charging power with airgap and shift below: _15W: Direct Contact _15W: 2mm Airgap, 2mm Shift Top as Worst Case Position _7.5W: 4mm Airgap, 4mm Shift Top as Worst Case Position _3.5W: 5mm Airgap, 5mm Shift Top as Worst Case Position
8	Operating (Folded Position) (Legacy iPhone @127.7kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. Legacy iPhone charging power with airgap and shift below: _7.5W: Direct Contact _3W: 5mm Airgap, 5mm Shift Top as Worst Case Position
9	Operating (Folded Position) (AirPods @127.7kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. AirPods charging power with airgap and shift below: _1W: Direct Contact _1W: 2mm Airgap, 5mm Shift Top as Worst Case Position
10	Operating (Folded Position) (iWatch @326kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Client. _Direct Contact with New iWatch _Direct Contact with Legacy iWatch
11	Operating (Flatbed Position) (New iPhone @360kHz + iWatch @326kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Clients. New iPhone charging power with airgap and shift below: _7.5W: 4mm Airgap, 4mm Shift Top as Worst Case Position iWatch: Direct Contact
12	Operating (Flatbed Position) (Legacy iPhone @127.7kHz + iWatch @326kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Clients. Legacy iPhone charging power with airgap and shift below: _3W: 5mm Airgap, 5mm Shift Top as Worst Case Position iWatch: Direct Contact

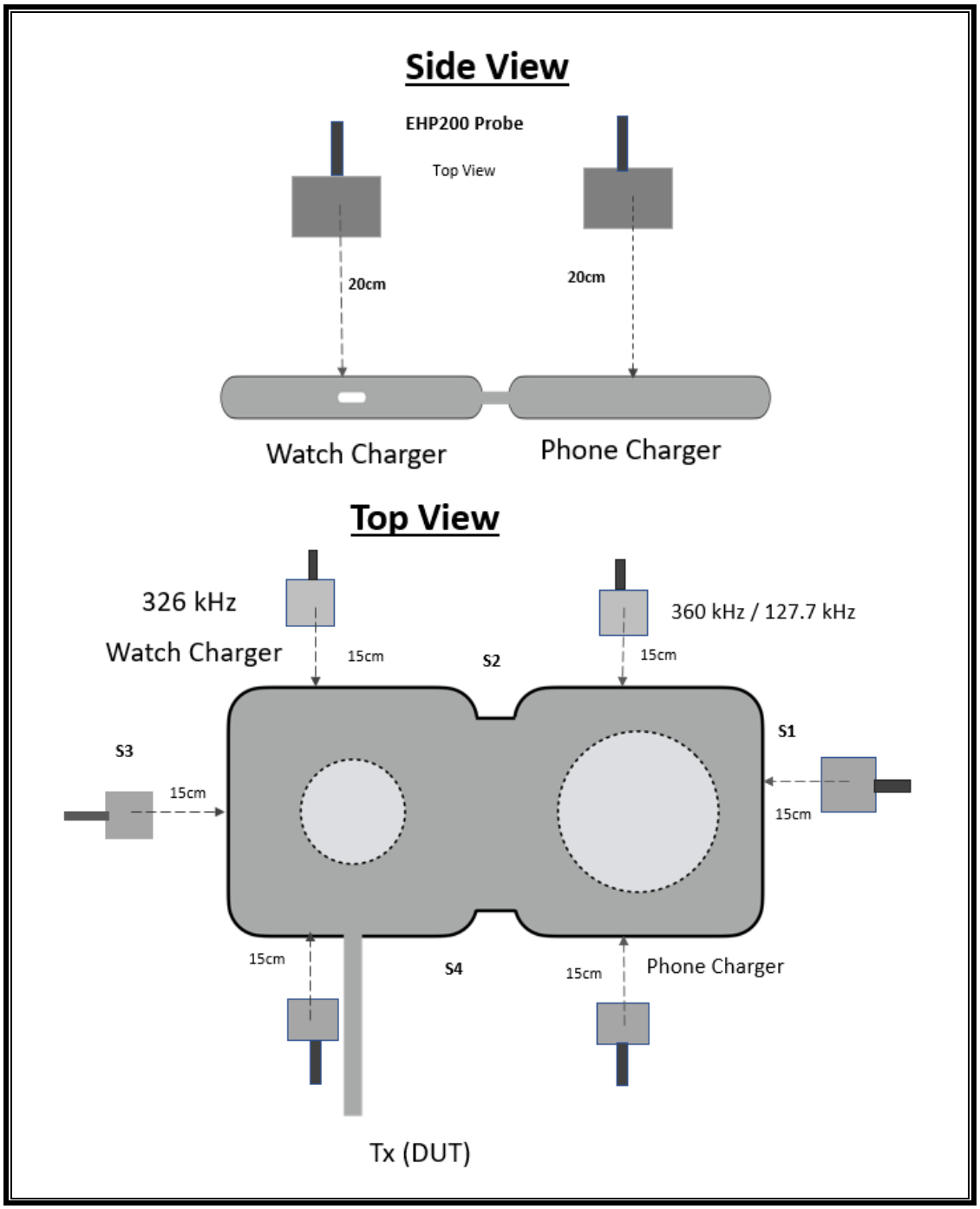
13	Operating (Flatbed Position) (AirPods @127.7kHz + iWatch @326kHz, ~10%, 20~50%, and >75% Power Charging)	EUT with lightning to USB-C cable powered by AC/DC Adapter & Wireless Charging to WPT Clients. AirPods charging power with airgap and shift below: 1W: 2mm Airgap, 5mm Shift Top as Worst Case Position iWatch: Direct Contact

MEASUREMENT SETUP

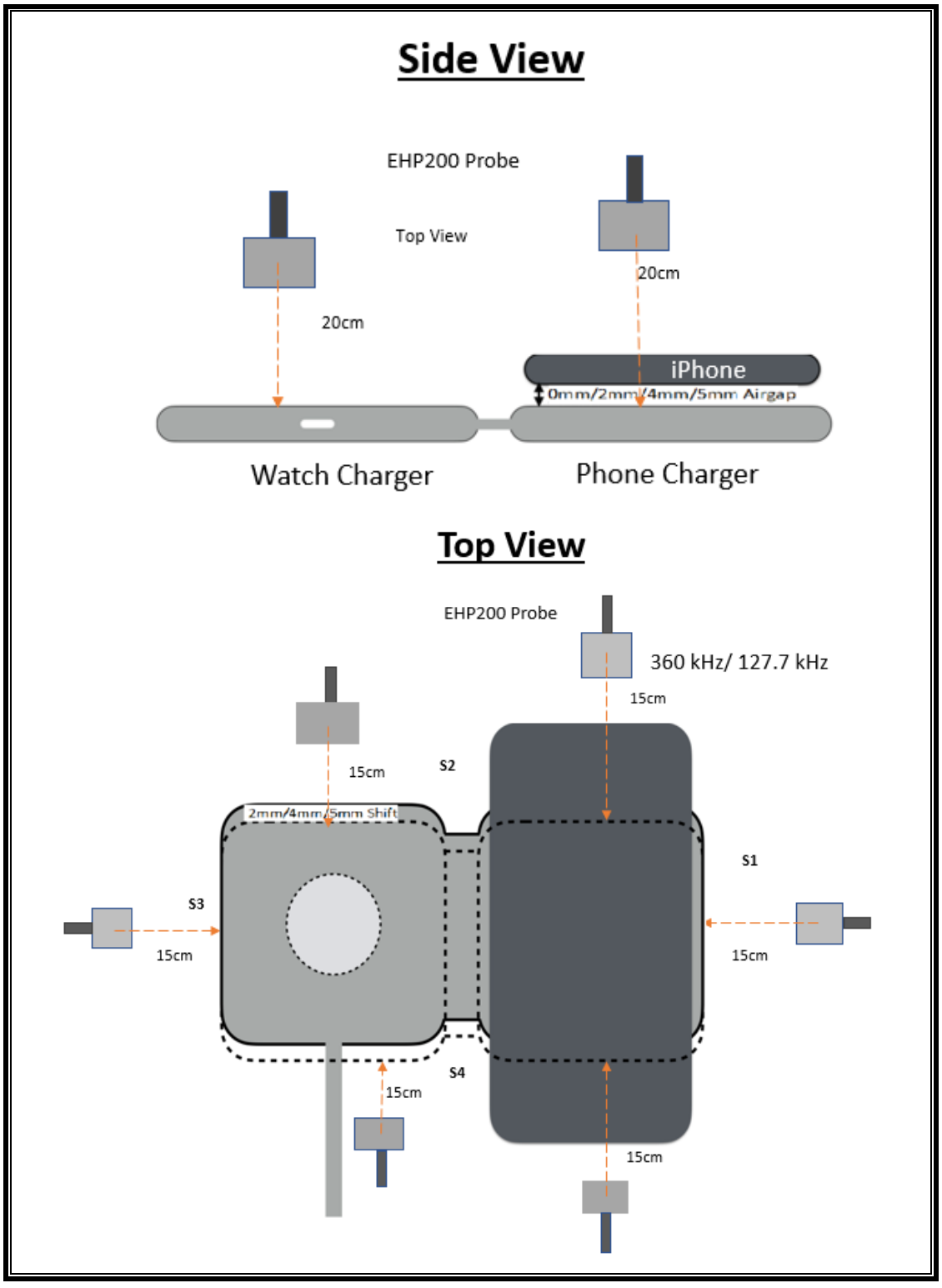
For the 360kHz charging frequency with 15W load at portable position, please see exposure simulation report.

For the 360kHz, 127.7kHz, and 326kHz charging frequencies at mobile position, the measurements were taken using a probe placed 15 cm surrounding the device and 20 cm above the top surface for all configurations per KDB 680106 D01.

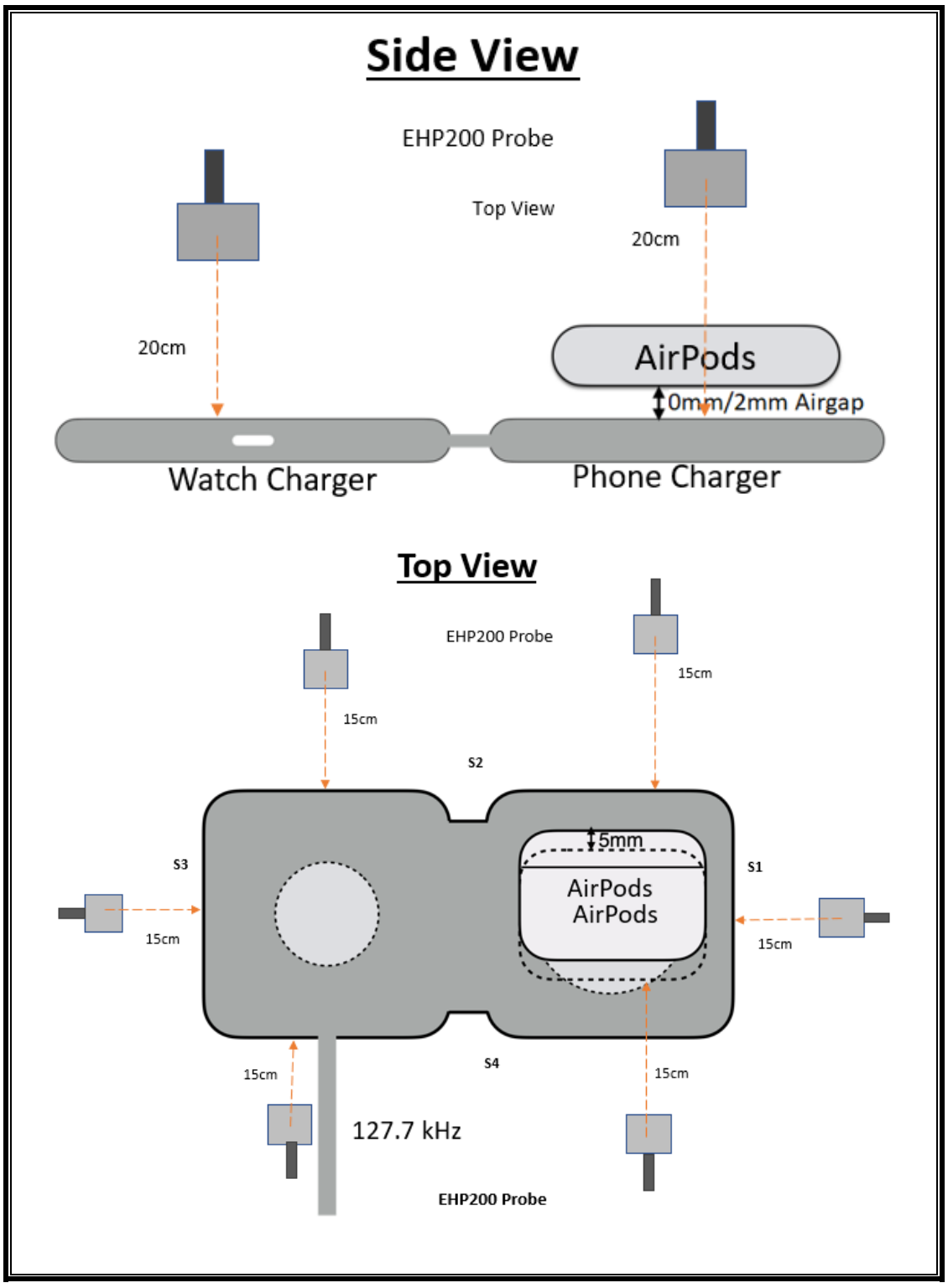
CONFIGURATION 1 (Standby Mode @ Flatbed Position):



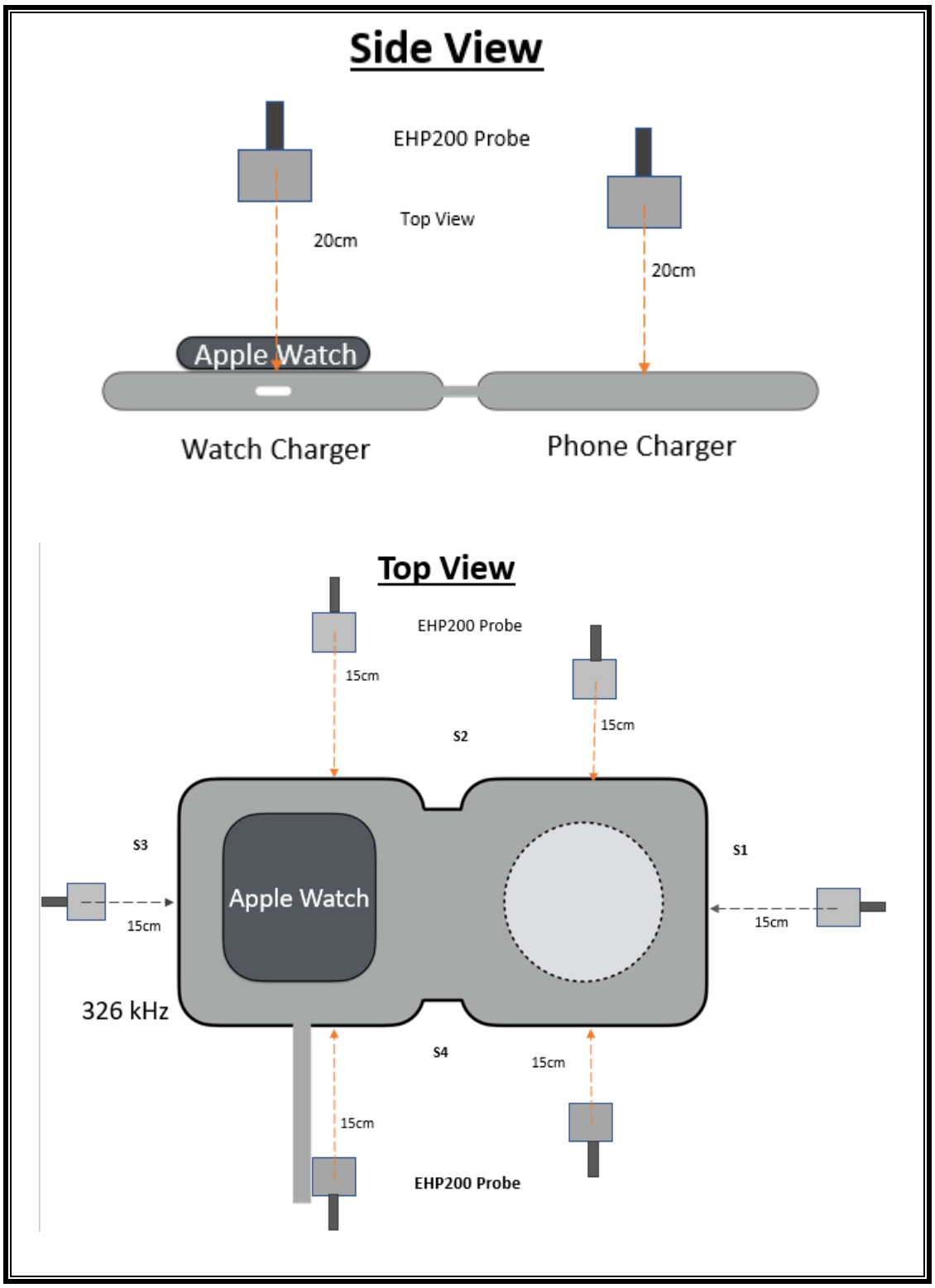
CONFIGURATION 2 & 3 (Operating Mode @ Flatbed Position, New iPhone or Legacy iPhone):



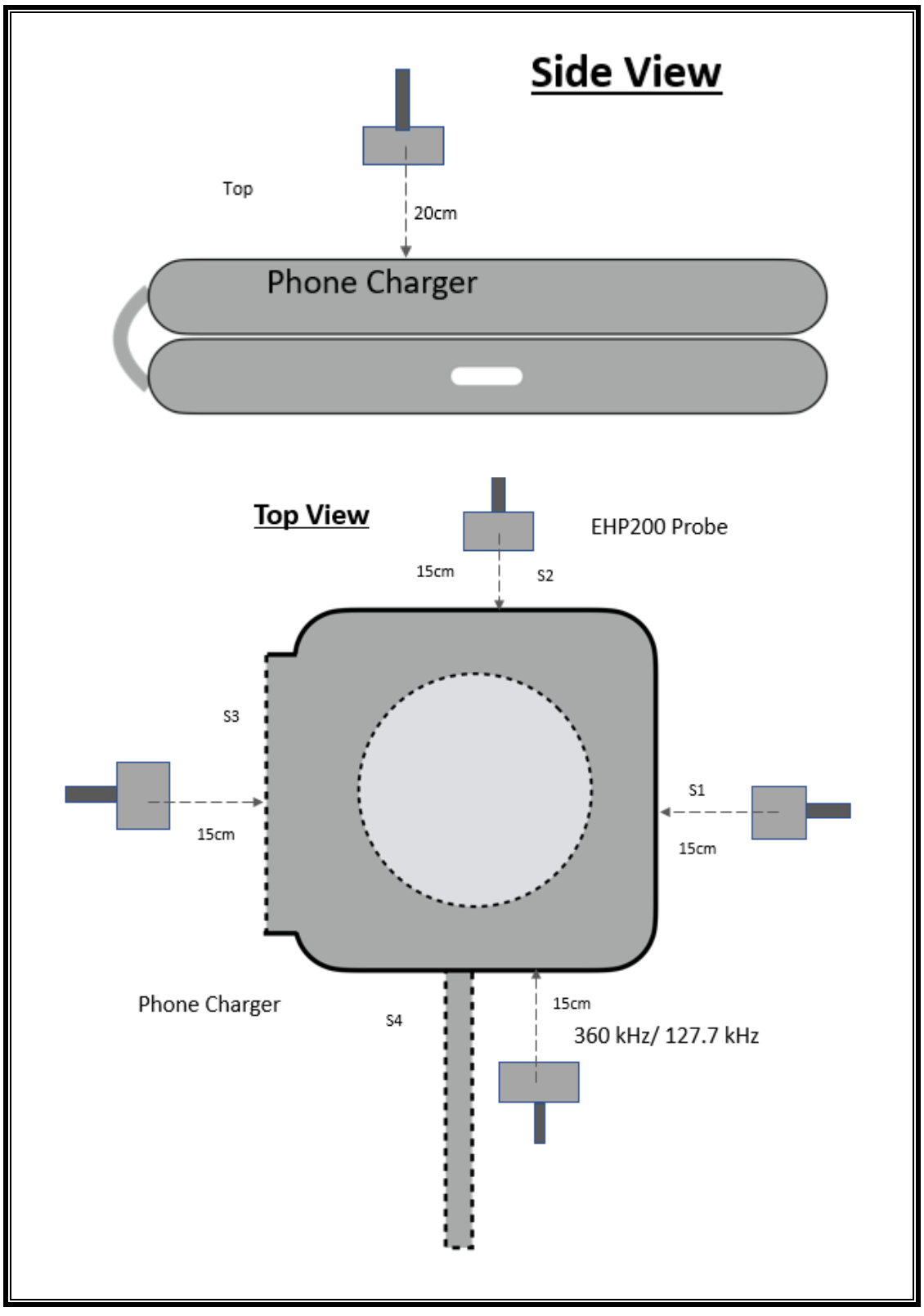
CONFIGURATION 4 (Operating Mode @ Flatbed Position, Airpods):



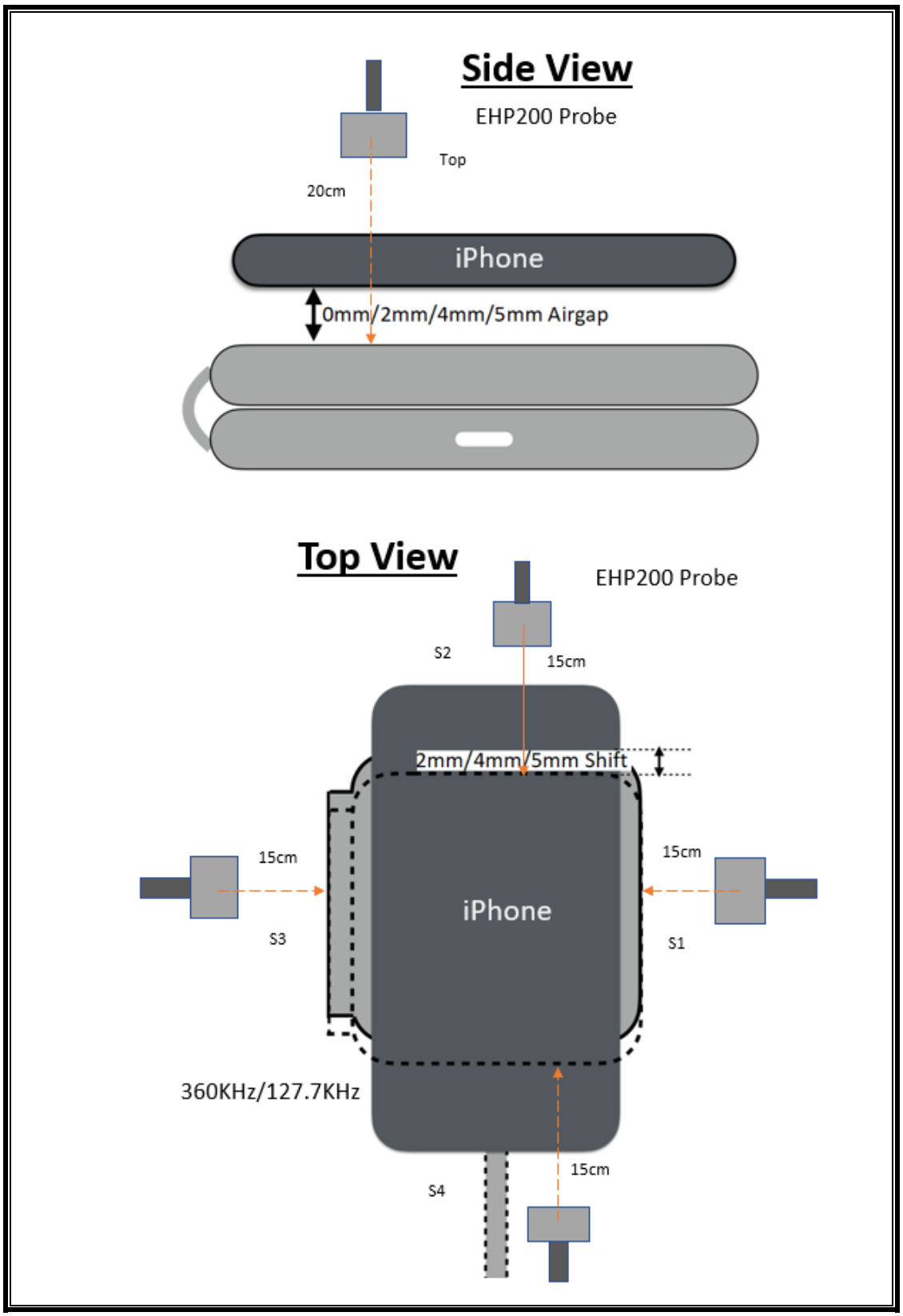
CONFIGURATION 5 (Operating Mode @ Flatbed Position, iWatch):



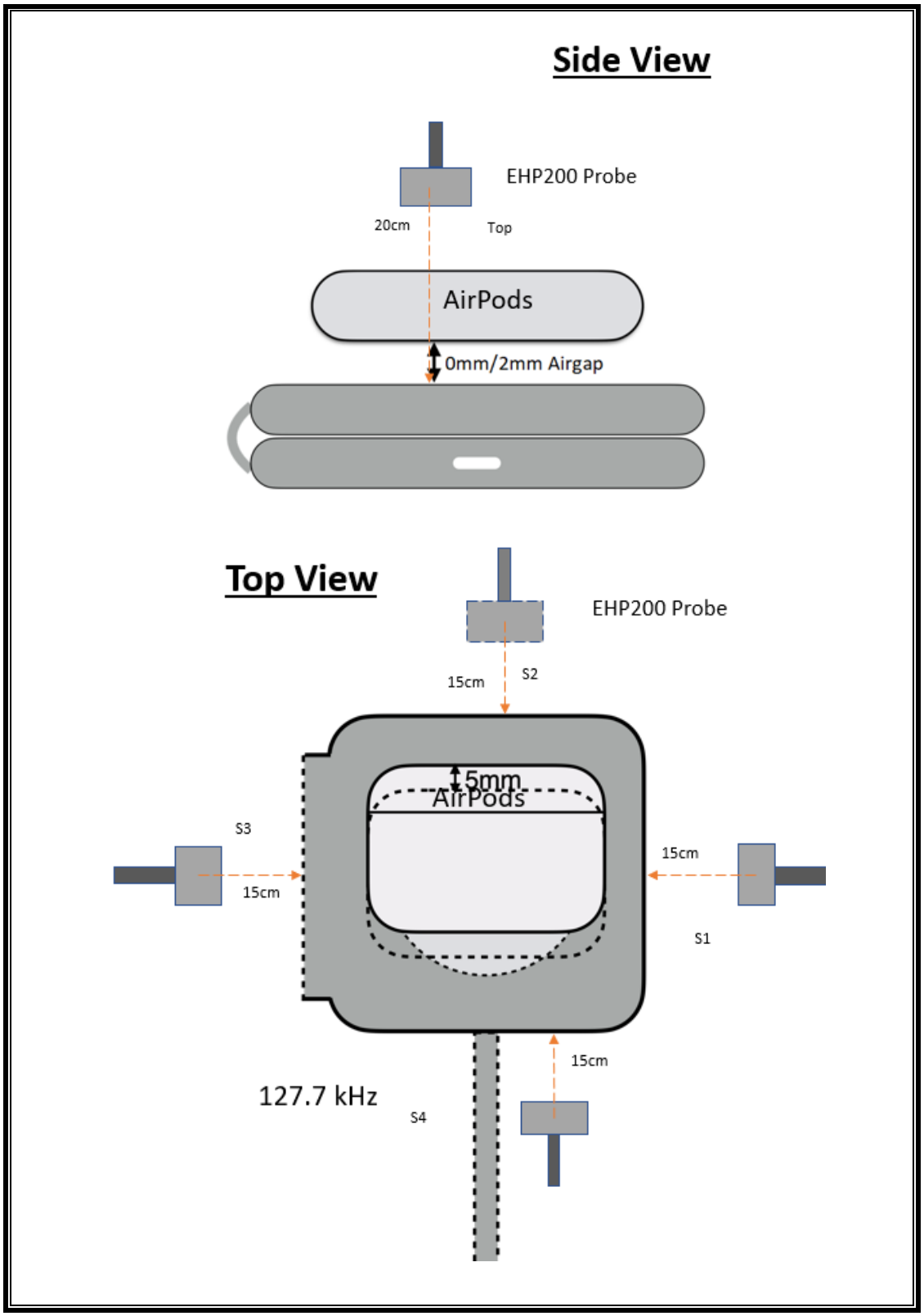
CONFIGURATION 6 (Standby Mode @ Folded Position):



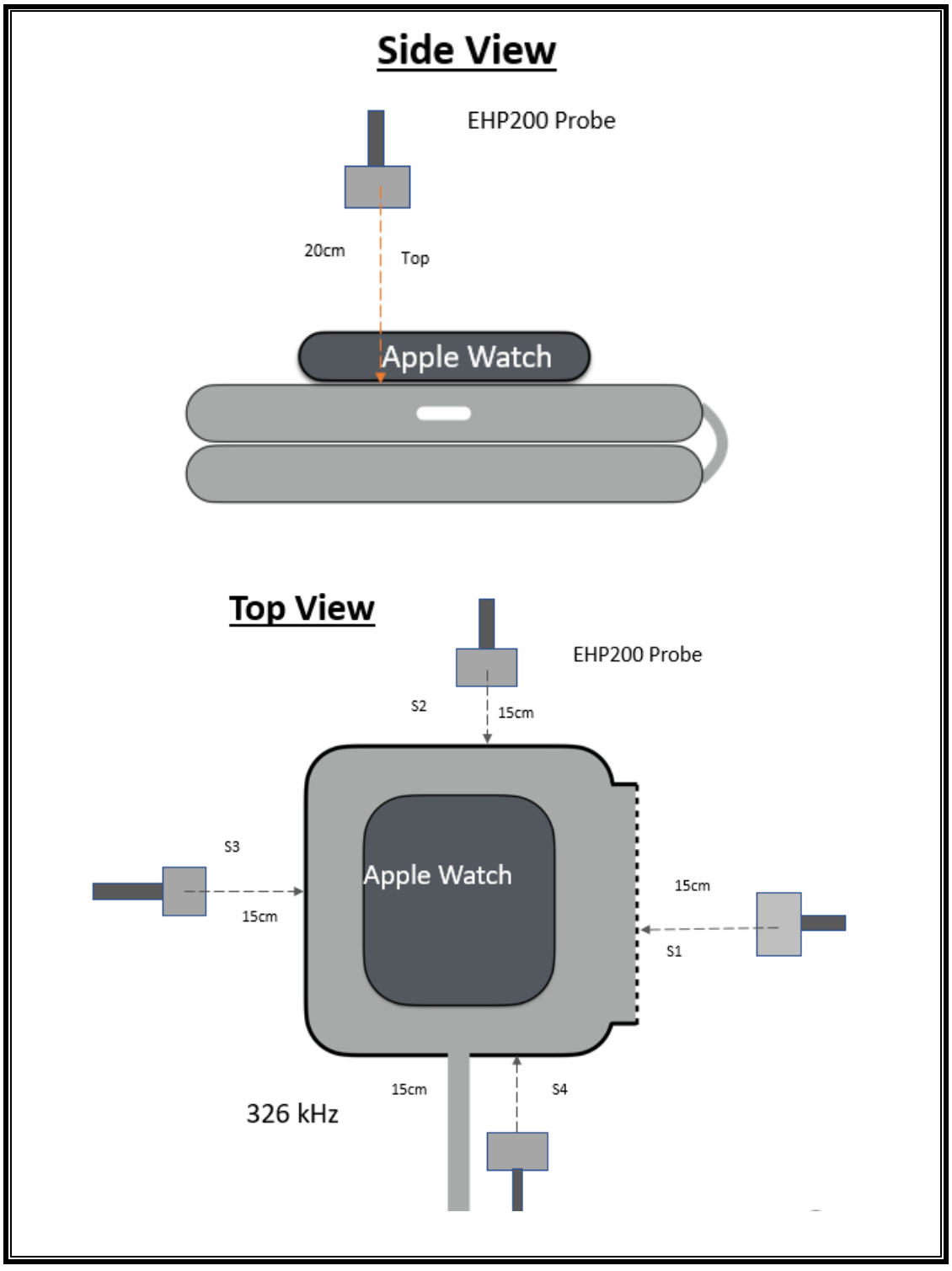
CONFIGURATION 7 & 8 (Operating Mode @ Folded Position, New iPhone or Legacy iPhone):



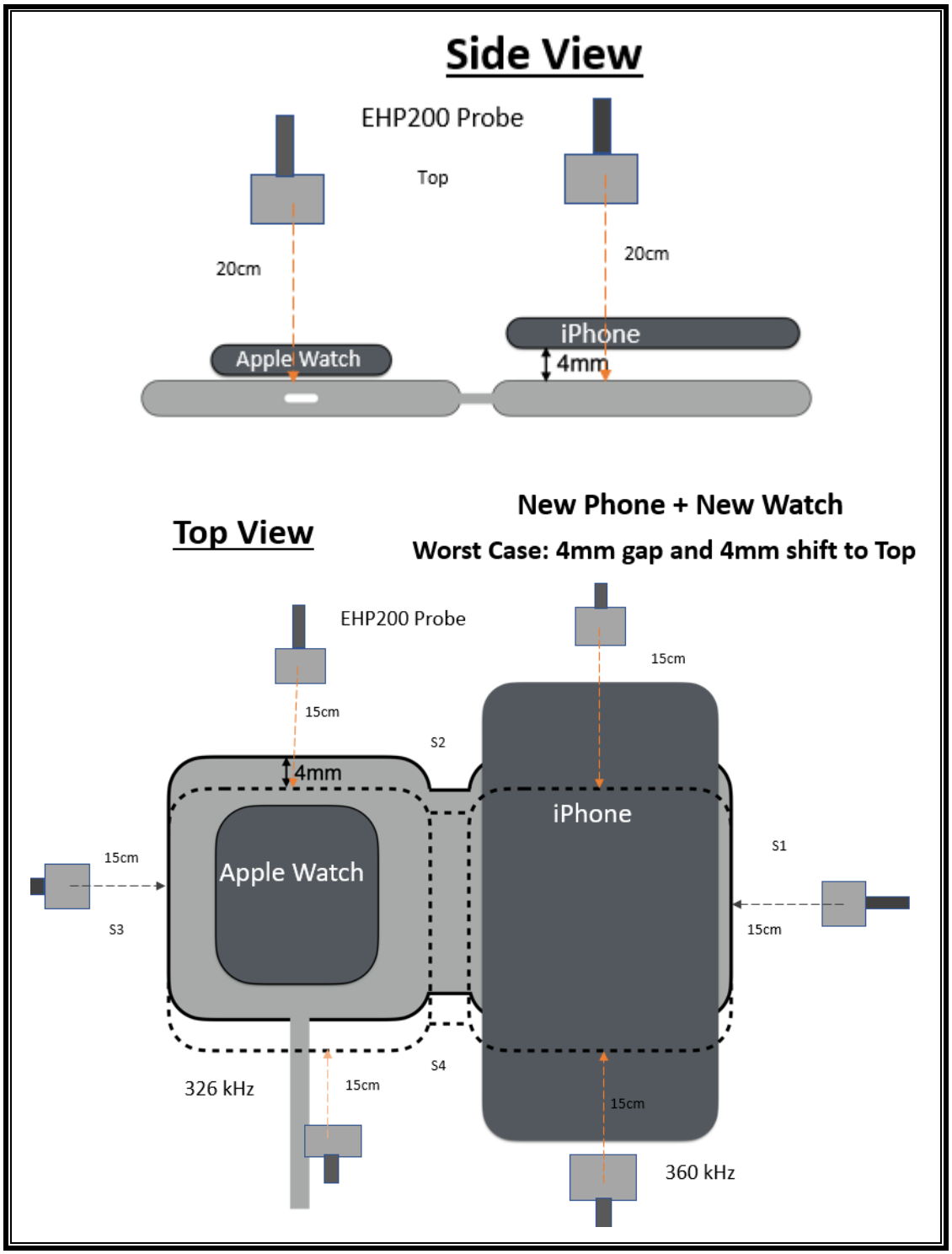
CONFIGURATION 9 (Operating Mode @ Folded Position, Airpods):



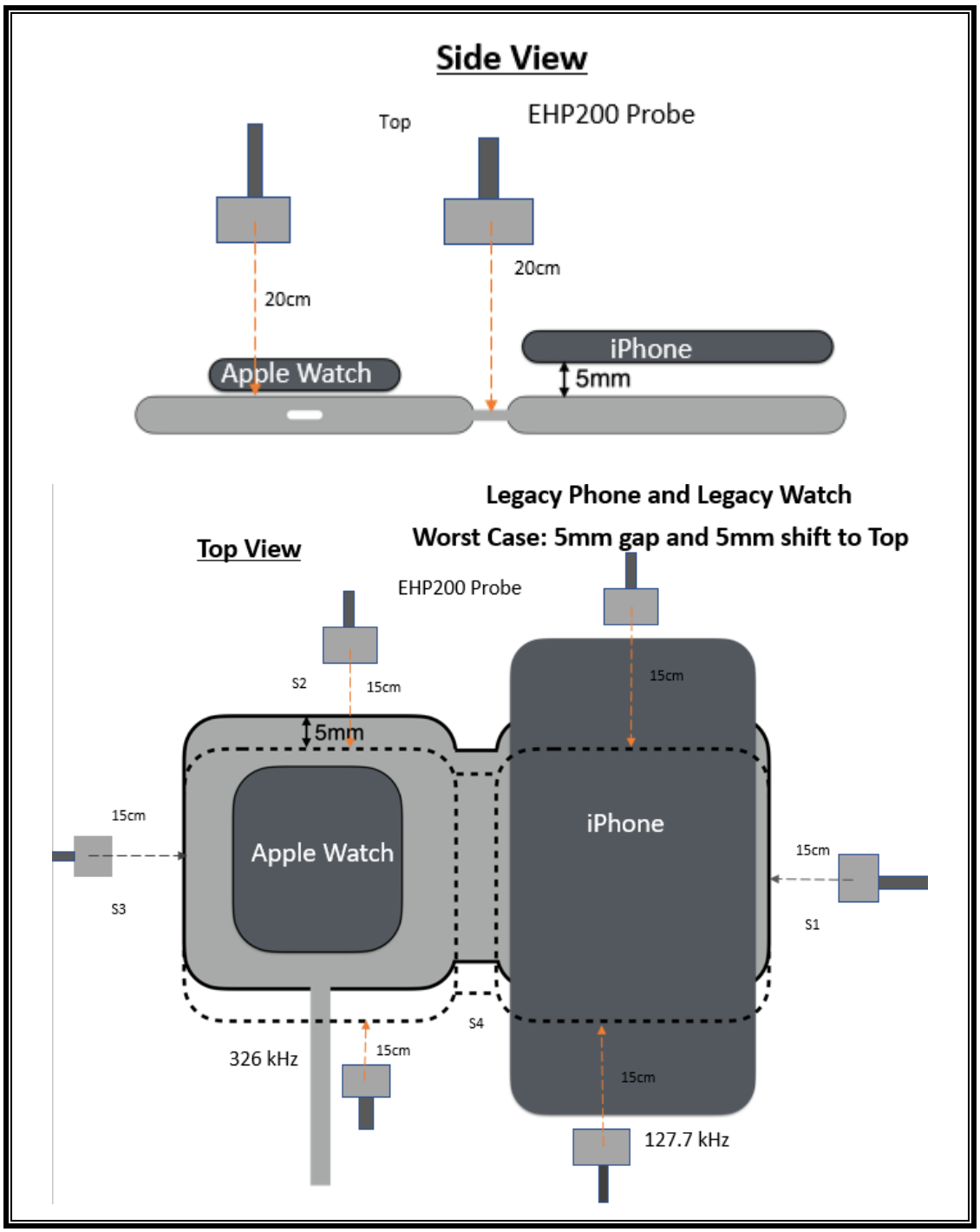
CONFIGURATION 10 (Operating Mode @ Folded Position, iWatch):



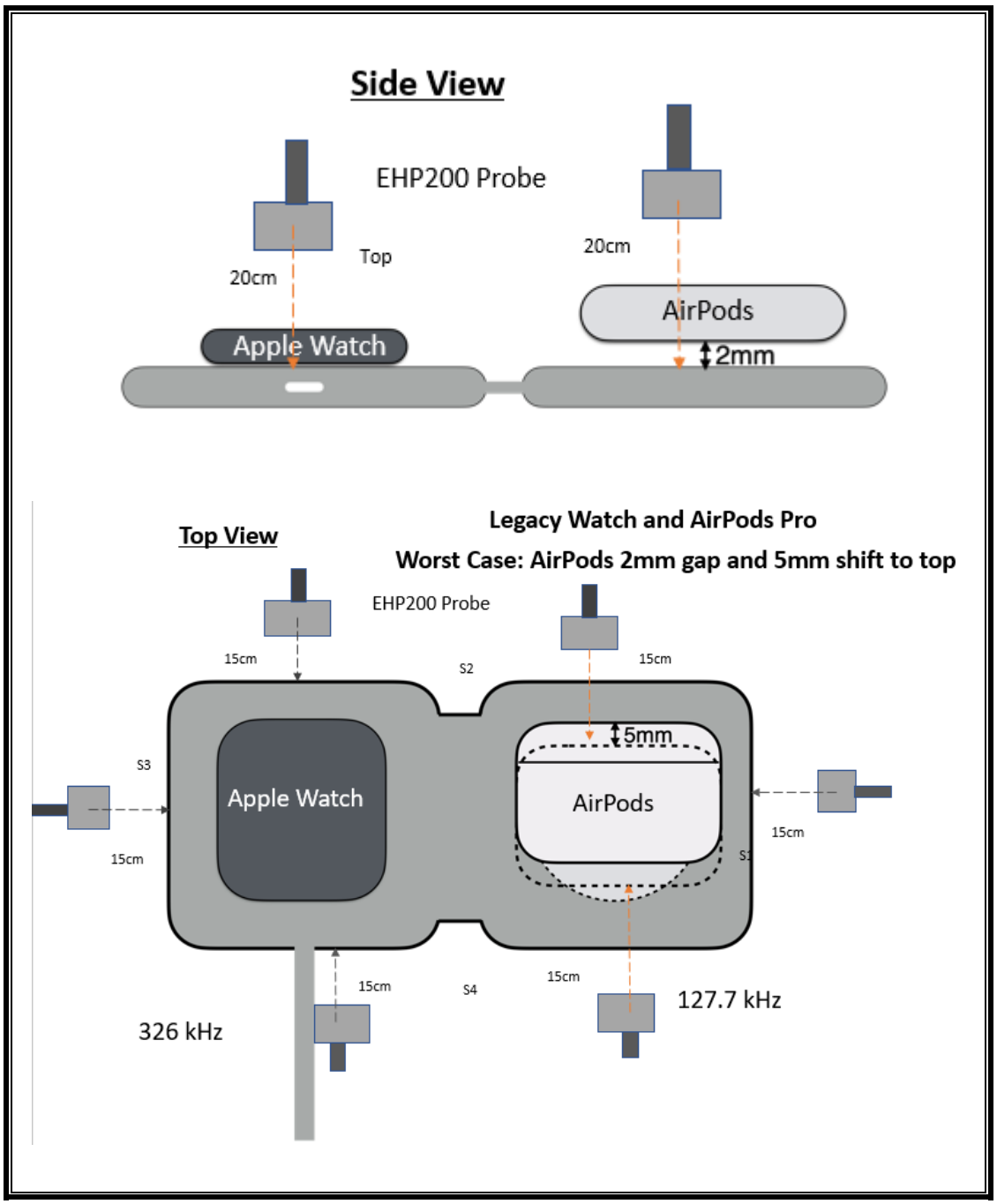
CONFIGURATION 11 (Operating Mode @ Flatbed Position, New iPhone + iWatch):



CONFIGURATION 12 (Operating Mode @ Flatbed Position, Legacy iPhone + iWatch):



CONFIGURATION 13 (Operating Mode @ Flatbed Position, AirPods + iWatch):



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
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A-544	N/A	T342	01/23/2020	01/23/2021

7. DUTY CYCLE

LIMITS

None; for reporting purposes only.

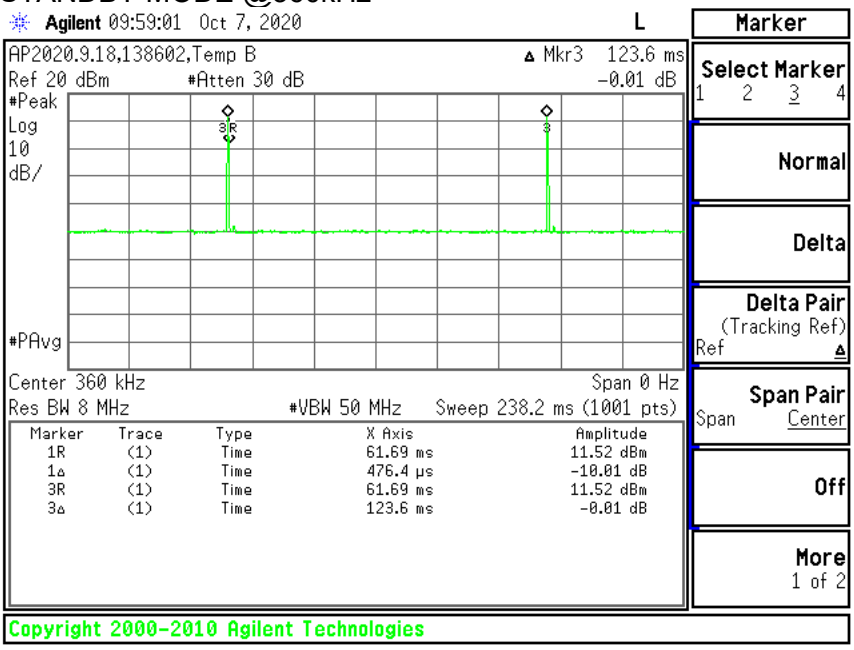
PROCEDURE

Zero-Span Spectrum Analyzer Method.

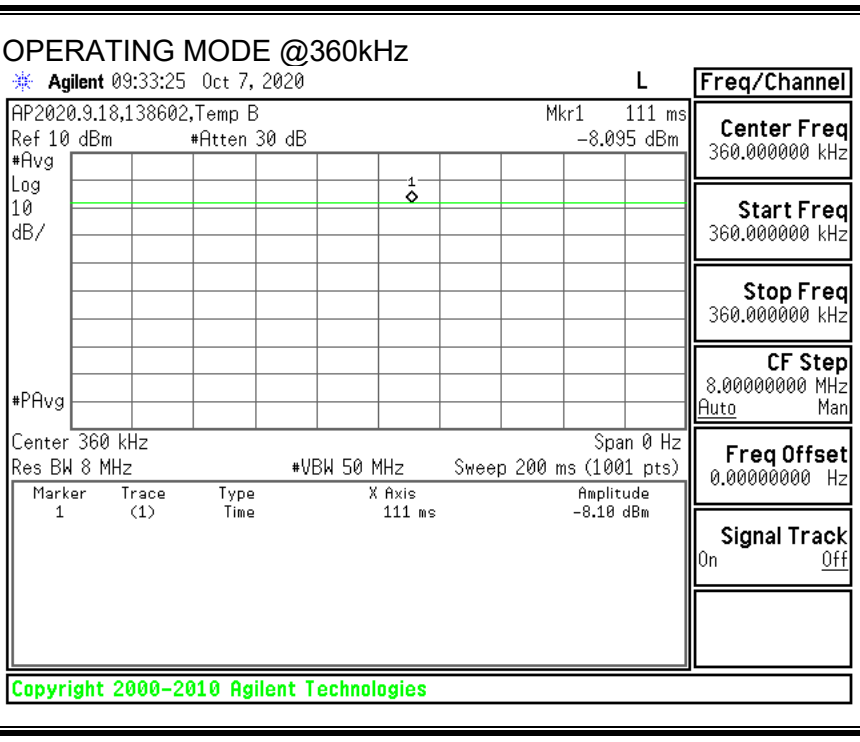
ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
Standby @ 360kHz	0.48	123.60	0.00	0.39%	24.14
Operating Frequency @360kHz	100.00	100.00	1.00	100.00%	0.00
Standby @ 128kHz	0.40	123.60	0.00	0.32%	24.90
Operating Frequency @128kHz	100.00	100.00	1.00	100.00%	0.00
Standby @ 326kHz	0.48	123.60	0.00	0.39%	24.14
Operating Frequency @326kHz	100.00	100.00	1.00	100.00%	0.00

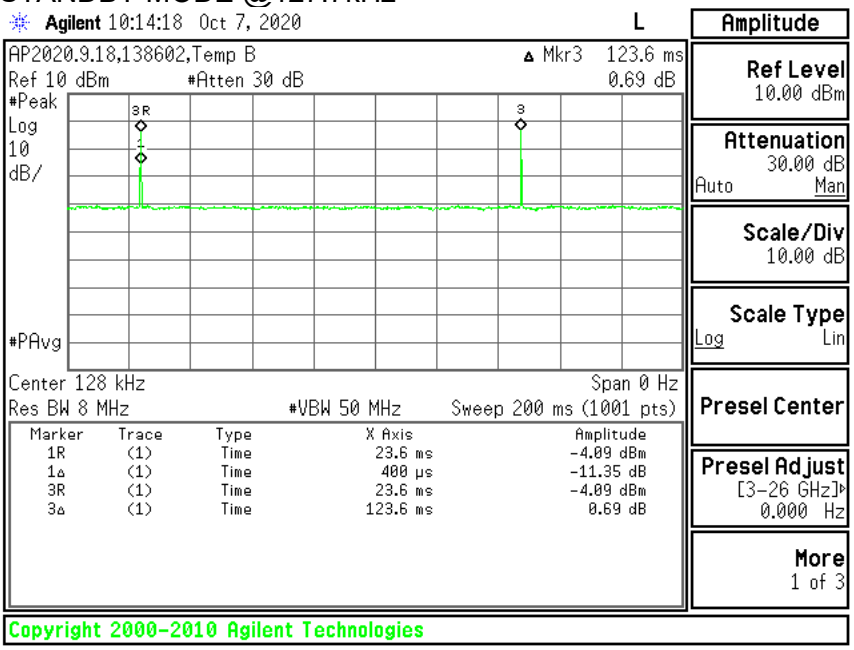
STANDBY MODE @360kHz



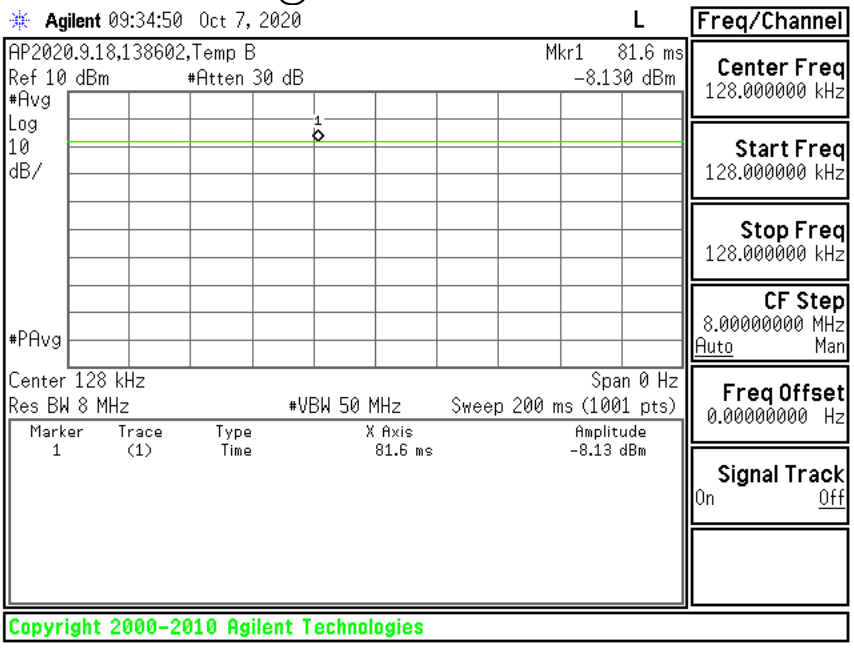
OPERATING MODE @360kHz



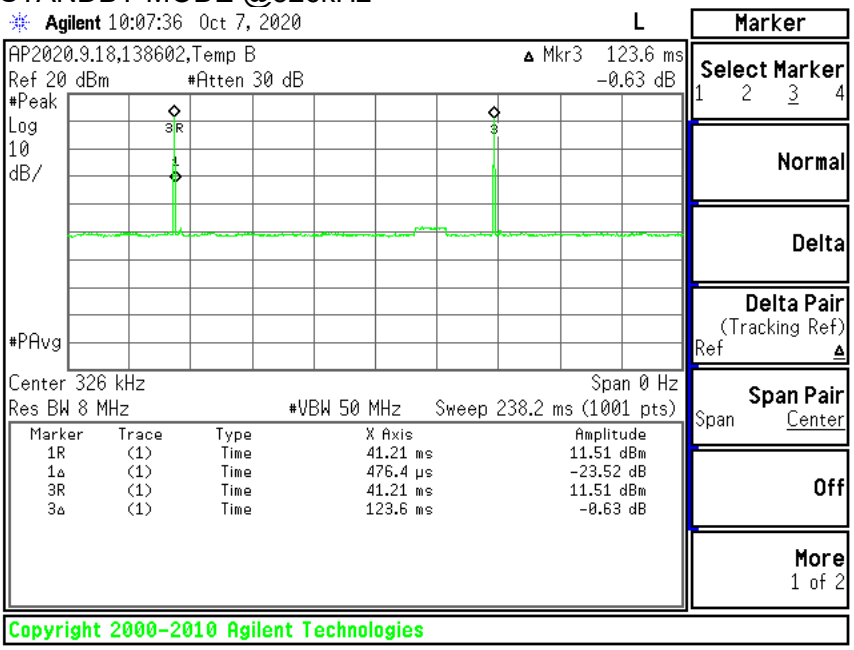
STANDBY MODE @127.7kHz



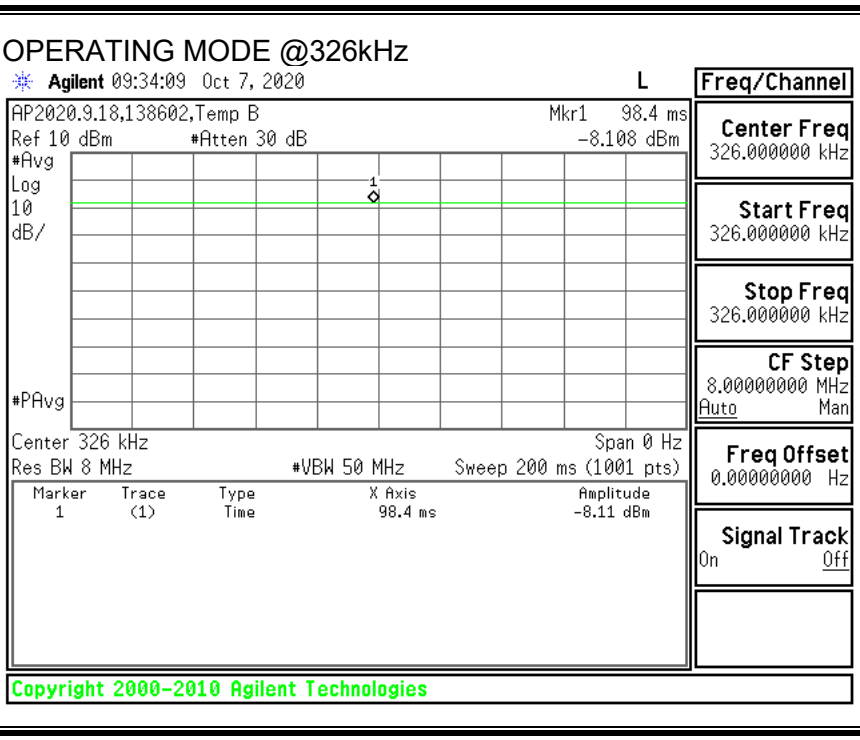
OPERATING MODE @127.7kHz



STANDBY MODE @326kHz



OPERATING MODE @326kHz



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.

RESULTS

ID:	38602	Date:	09/25/2020 - 10/07/2020

CONFIGURATION 1 (Standby Mode @ Flatbed Position):

@360kHz:

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.010	0.00%	1.63	0.015	0.90%

@127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.017	0.00%	1.63	0.002	0.13%

@326kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.016	0.00%	1.63	0.006	0.38%

CONFIGURATION 2 (Operating Mode @ Flatbed Position, New iPhone):

@Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.274	0.04%	1.63	0.038	2.33%

@2mm Airgap & 2mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.514	0.08%	1.63	0.038	2.34%

@4mm Airgap & 4mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.273	0.04%	1.63	0.062	3.82%

@5mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.357	0.06%	1.63	0.060	3.69%

CONFIGURATION 3 (Operating Mode @ Flatbed Position, Legacy iPhone):

@Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.252	0.04%	1.63	0.021	1.29%

@5mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.273	0.04%	1.63	0.056	3.45%

CONFIGURATION 4 (Operating Mode @ Flatbed Position, Airpods):

@Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.392	0.06%	1.63	0.083	5.09%

@2mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.266	0.04%	1.63	0.080	4.92%

CONFIGURATION 5 (Operating Mode @ Flatbed Position, iWatch):

@Direct Contact with New iWatch

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.127	0.02%	1.63	0.021	1.29%

@Direct Contact with Legacy iWatch

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.235	0.04%	1.63	0.097	5.96%

CONFIGURATION 6 (Standby Mode @ Folded Position):

@360kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.015	0.00%	1.63	0.009	0.58%

@127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.019	0.00%	1.63	0.005	0.28%

@326kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.015	0.00%	1.63	0.006	0.36%

CONFIGURATION 7 (Operating Mode @ Folded Position, New iPhone):

@Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.282	0.05%	1.63	0.038	2.33%

@2mm Airgap & 2mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.332	0.05%	1.63	0.051	3.13%

@4mm Airgap & 4mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.284	0.05%	1.63	0.062	3.82%

@5mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.282	0.05%	1.63	0.068	4.17%

CONFIGURATION 8 (Operating Mode @ Folded Position, Legacy iPhone):

@Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.503	0.08%	1.63	0.039	2.40%

@5mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.245	0.04%	1.63	0.048	2.96%

CONFIGURATION 9 (Operating Mode @ Folded Position, Airpods):

@Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.504	0.08%	1.63	0.019	1.17%

@2mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.347	0.06%	1.63	0.089	5.48%

CONFIGURATION 10 (Operating Mode @ Folded Position, iWatch):

@Direct Contact with New iWatch

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.127	0.02%	1.63	0.020	1.23%

@Direct Contact with Legacy iWatch

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.235	0.04%	1.63	0.093	5.71%

CONFIGURATION 11 (Operating Mode @ Flatbed Position, New iPhone + iWatch):

@360kHz New iPhone with 4mm Airgap & 4mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.411	0.07%	1.63	0.072	4.42%

@326kHz iWatch with Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.120	0.02%	1.63	0.019	1.17%

CONFIGURATION 12 (Operating Mode @ Flatbed Position, Legacy iPhone + iWatch):

@127.7kHz Legacy iPhone with 5mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.522	0.09%	1.63	0.098	6.03%

@326kHz iWatch with Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.111	0.02%	1.63	0.021	1.29%

CONFIGURATION 13 (Operating Mode @ Flatbed Position, AirPods + iWatch):

@127.7kHz Airpods with 2mm Airgap & 5mm Shift to Top

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.307	0.05%	1.63	0.084	5.15%

@326kHz iWatch with Direct Contact

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.111	0.02%	1.63	0.019	1.17%

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 (Standby Mode @ Flatbed Position):

FCC Limit @360kHz

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC Limit	Location	Peak	Duty Cycle %	FCC Average	FCC Limit	Location	Peak	Duty Cycle %	FCC Average
1	Standby	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.047	0.39	0.003	1.63	S1	0.218	0.39	0.014
				S2	0.061		0.004		S2	0.226		0.014
				S3	0.047		0.003		S3	0.227		0.014
				S4	0.047		0.003		S4	0.235		**0.015**
				Top	0.158		0.010		Top	0.235		**0.015**
				Max	0.158		**0.010**		Max	0.235		**0.015**

FCC Limit @128kHz

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
1	Standby	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.239	0.32	0.014	1.63	S1	0.036	0.32	0.002
				S2	0.239		0.014		S2	0.037		0.002
				S3	0.255		0.014		S3	0.036		0.002
				S4	0.303		**0.017**		S4	0.037		0.002
				Top	0.227		0.013		Top	0.037		0.002
				Max	0.303		**0.017**		Max	0.037		**0.002**

FCC Limit @326kHz

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
1	Standby	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.245	0.39	0.015	1.63	S1	0.044	0.39	0.003
				S2	0.263		**0.016**		S2	0.036		0.002
				S3	0.239		0.015		S3	0.038		0.002
				S4	0.251		0.016		S4	0.052		0.003
				Top	0.235		0.015		Top	0.099		**0.006**
				Max	0.263		**0.016**		Max	0.099		**0.006**

CONFIGURATION 2 (Operating Mode @ Flatbed Position, New iPhone):

FCC Limit @ Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.236	100	0.236	1.63	S1	0.036	100	0.036
				S2	0.226		0.226		S2	0.036		0.036
				S3	0.266		0.266		S3	0.036		0.036
				S4	0.254		0.254		S4	0.036		0.036
				Top	0.273		0.273		Top	0.037		0.037
				Max	0.273		0.273		Max	0.037		0.037
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.266	100	0.266		S1	0.036	100	0.036
				S2	0.245		0.245		S2	0.037		0.037
				S3	0.227		0.227		S3	0.037		0.037
				S4	0.254		0.254		S4	0.038		0.038
				Top	0.245		0.245		Top	0.037		0.037
				Max	0.266		0.266		Max	0.037		0.037
	Operating Real Product (Power >75% Charging)			S1	0.253	100	0.253		S1	0.038	100	0.038
				S2	0.236		0.236		S2	0.038		0.038
				S3	0.235		0.235		S3	0.037		0.037
				S4	0.274		**0.274**		S4	0.037		0.037
				Top	0.273		0.273		Top	0.036		0.036
				Max	0.274		0.274		Max	0.038		**0.038**

FCC Limit @2mm Airgap & 2mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power ~10% Charging) (2mm Airgap & 2mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.489	100	0.489	1.63	S1	0.036	100	0.036
				S2	0.425		0.425		S2	0.037		0.037
				S3	0.282		0.282		S3	0.036		0.036
				S4	0.449		0.449		S4	0.037		0.037
				Top	0.514		**0.514**		Top	0.035		0.035
				Max	0.514		**0.514**		Max	0.036		0.036
	Operating Real Product (Power 20% - 60% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.473	100	0.473		S1	0.036	100	0.036
				S2	0.389		0.389		S2	0.037		0.037
				S3	0.274		0.274		S3	0.037		0.037
				S4	0.431		0.431		S4	0.037		0.037
				Top	0.465		0.465		Top	0.037		0.037
				Max	0.473		0.473		Max	0.038		**0.038**
	Operating Real Product (Power >75% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.473	100	0.473		S1	0.036	100	0.036
				S2	0.392		0.392		S2	0.036		0.036
				S3	0.029		0.029		S3	0.036		0.036
				S4	0.512		0.512		S4	0.037		0.037
				Top	0.465		0.465		Top	0.036		0.036
				Max	0.473		0.473		Max	0.037		0.037

FCC Limit @4mm Airgap & 4mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power ~10% Charging) (4mm Airgap & 4mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.258	100	0.258	1.63	S1	0.038	100	0.038
				S2	0.245		0.245		S2	0.062		**0.062**
				S3	0.265		0.265		S3	0.045		0.045
				S4	0.245		0.245		S4	0.057		0.057
				Top	0.245		0.245		Top	0.037		0.037
				Max	0.258		0.258		Max	0.062		0.062
	Operating Real Product (Power 20% - 60% Charging) (4mm Airgap &4mm Shift to the Top)			S1	0.269	100	0.269		S1	0.040	100	0.040
				S2	0.245		0.245		S2	0.062		0.062
				S3	0.258		0.258		S3	0.051		0.051
				S4	0.245		0.245		S4	0.057		0.057
				Top	0.266		0.266		Top	0.036		0.036
				Max	0.273		**0.273**		Max	0.062		0.062
	Operating Real Product (Power > 75% Charging) (4mm Airgap & 4mm Shift to the Top)			S1	0.266	100	0.266		S1	0.040	100	0.040
				S2	0.236		0.236		S2	0.062		**0.062**
				S3	0.266		0.266		S3	0.051		0.051
				S4	0.245		0.245		S4	0.055		0.055
				Top	0.266		0.266		Top	0.037		0.037
				Max	0.269		0.269		Max	0.060		0.060

FCC Limit @5mm Airgap & 5mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power ~10% Charging) (5mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.273	100	0.273	1.63	S1	0.043	100	0.043
				S2	0.245		0.245		S2	0.056		0.056
				S3	0.266		0.266		S3	0.036		0.036
				S4	0.274		0.274		S4	0.053		0.053
				Top	0.236		0.236		Top	0.036		0.036
				Max	0.274		0.274		Max	0.056		0.056
	Operating Real Product (Power 20- 60% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.258	100	0.258		S1	0.044	100	0.044
				S2	0.245		0.245		S2	0.055		0.055
				S3	0.273		0.273		S3	0.037		0.037
				S4	0.254		0.254		S4	0.052		0.052
				Top	0.277		0.277		Top	0.036		0.036
				Max	0.357		**0.357**		Max	0.060		**0.060**
	Operating Real Product (Power > 75% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.266	100	0.266		S1	0.046	100	0.046
				S2	0.236		0.236		S2	0.056		0.056
				S3	0.266		0.266		S3	0.036		0.036
				S4	0.274		0.274		S4	0.053		0.053
				Top	0.273		0.273		Top	0.036		0.036
				Max	0.277		0.277		Max	0.056		0.056

CONFIGURATION 3 (Operating Mode @ Flatbed Position, Legacy iPhone):

FCC Limit @Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
3	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.213	100	0.213	1.63	S1	0.021	100	**0.021**
				S2	0.186		0.186		S2	0.018		0.018
				S3	0.161		0.161		S3	0.019		0.019
				S4	0.244		0.244		S4	0.021		0.021
				Top	0.226		0.226		Top	0.019		0.019
				Max	0.226		0.226		Max	0.021		**0.021**
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.180	100	0.180		S1	0.019	100	0.019
				S2	0.175		0.175		S2	0.018		0.018
				S3	0.166		0.166		S3	0.019		0.019
				S4	0.252		**0.252**		S4	0.019		0.019
				Top	0.204		0.204		Top	0.021		0.021
				Max	0.252		**0.252**		Max	0.021		**0.021**
	Operating Real Product (Power >75% Charging)			S1	0.222	100	0.222		S1	0.021	100	0.021
				S2	0.189		0.189		S2	0.019		0.019
				S3	0.166		0.166		S3	0.018		0.018
				S4	0.244		0.244		S4	0.019		0.019
				Top	0.236		0.236		Top	0.019		0.019
				Max	0.244		0.244		Max	0.021		**0.021**

FCC Limit @5mm Airgap & 5mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
3	Operating Real Product (Power ~10% Charging) (5mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.218	100	0.218	1.63	S1	0.055	100	0.055
				S2	0.189		0.189		S2	0.036		0.036
				S3	0.193		0.193		S3	0.025		0.025
				S4	0.232		0.232		S4	0.036		0.036
				Top	0.204		0.204		Top	0.024		0.024
				Max	0.232		0.232		Max	0.055		0.055
	Operating Real Product (Power 20% ~ 60% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.218	100	0.218		S1	0.056	100	**0.056**
				S2	0.224		0.224		S2	0.038		0.038
				S3	0.231		0.231		S3	0.024		0.024
				S4	0.273		0.273		S4	0.036		0.036
				Top	0.245		0.245		Top	0.026		0.026
				Max	0.273		**0.273**		Max	0.056		**0.056**
	Operating Real Product (Power >75% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.270	100	0.270		S1	0.055	100	0.055
				S2	0.198		0.198		S2	0.036		0.036
				S3	0.189		0.189		S3	0.025		0.025
				S4	0.244		0.244		S4	0.036		0.036
				Top	0.214		0.214		Top	0.027		0.027
				Max	0.270		0.270		Max	0.055		0.055

CONFIGURATION 4 (Operating Mode @ Flatbed Position, Airpods):

FCC Limit @Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
4	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.321	100	0.321	1.63	S1	0.044	100	0.044
				S2	0.310		0.310		S2	0.083		**0.083**
				S3	0.175		0.175		S3	0.017		0.017
				S4	0.289		0.289		S4	0.067		0.067
				Top	0.175		0.175		Top	0.049		0.049
				Max	0.321		0.321		Max	0.083		**0.083**
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.222	100	0.222		S1	0.043	100	0.043
				S2	0.082		0.082		S2	0.083		0.083
				S3	0.179		0.179		S3	0.018		0.018
				S4	0.392		0.392		S4	0.031		0.031
				Top	0.127		0.127		Top	0.041		0.041
				Max	0.392		**0.392**		Max	0.083		**0.083**
	Operating Real Product (Power >75% Charging)			S1	0.274	100	0.274		S1	0.033	100	0.033
				S2	0.218		0.218		S2	0.054		0.054
				S3	0.175		0.175		S3	0.019		0.019
				S4	0.385		0.385		S4	0.044		0.044
				Top	0.146		0.146		Top	0.052		0.052
				Max	0.385		0.385		Max	0.054		0.054

FCC Limit @2mm Airgap & 5mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
4	Operating Real Product (Power ~10% Charging) (2mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.264	100	0.264	1.63	S1	0.029	100	0.029
				S2	0.218		0.218		S2	0.077		0.077
				S3	0.224		0.224		S3	0.017		0.017
				S4	0.218		0.218		S4	0.029		0.029
				Top	0.156		0.156		Top	0.076		0.076
				Max	0.264		0.264		Max	0.077		0.077
	Operating Real Product (Power 20% ~ 60% Charging) (2mm Airgap & 5mm Shift to the Top)			S1	0.222	100	0.222		S1	0.026	100	0.026
				S2	0.266		**0.266**		S2	0.080		**0.080**
				S3	0.186		0.186		S3	0.018		0.018
				S4	0.213		0.213		S4	0.030		0.030
				Top	0.167		0.167		Top	0.073		0.073
				Max	0.266		**0.266**		Max	0.080		**0.080**
	Operating Real Product (Power >75% Charging) (2mm Airgap & 5mm Shift to the Top)			S1	0.222	100	0.222		S1	0.029	100	0.029
				S2	0.251		0.251		S2	0.077		0.077
				S3	0.166		0.166		S3	0.019		0.019
				S4	0.211		0.211		S4	0.030		0.030
				Top	0.175		0.175		Top	0.075		0.075
				Max	0.251		0.251		Max	0.077		0.077

CONFIGURATION 5 (Operating Mode @ Flatbed Position, iWatch):

FCC Limit	@Direct Contact with New iWatch											
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
5	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.111	100	0.111	1.63	S1	0.019	100	0.019
				S2	0.115		0.115		S2	0.019		0.019
				S3	0.120		0.120		S3	0.019		0.019
				S4	0.120		0.120		S4	0.021		**0.021**
				Top	0.120		0.120		Top	0.019		0.019
				Max	0.120		0.120		Max	0.021		**0.021**
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.118	100	0.118		S1	0.019	100	0.019
				S2	0.120		0.120		S2	0.021		**0.021**
				S3	0.127		0.127		S3	0.020		0.020
				S4	0.120		0.120		S4	0.020		0.020
				Top	0.118		0.118		Top	0.019		0.019
				Max	0.127		**0.127**		Max	0.021		**0.021**
	Operating Real Product (Power >75% Charging)			S1	0.120	100	0.120		S1	0.019	100	0.019
				S2	0.111		0.111		S2	0.019		0.019
				S3	0.120		0.120		S3	0.020		0.020
				S4	0.120		0.120		S4	0.019		0.019
				Top	0.120		0.120		Top	0.019		0.019
				Max	0.120		0.120		Max	0.020		0.020

FCC Limit	@Direct Contact with Legacy iWatch											
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
5	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.235	100	0.235	1.63	S1	0.057	100	0.057
				S2	0.227		0.227		S2	0.054		0.054
				S3	0.235		0.235		S3	0.038		0.038
				S4	0.235		0.235		S4	0.050		0.050
				Top	0.235		0.235		Top	0.096		0.096
				Max	0.235		**0.235**		Max	0.096		0.096
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.235	100	0.235		S1	0.059	100	0.059
				S2	0.235		0.235		S2	0.057		0.057
				S3	0.235		0.235		S3	0.039		0.039
				S4	0.228		0.228		S4	0.050		0.050
				Top	0.235		0.235		Top	0.097		**0.097**
				Max	0.235		**0.235**		Max	0.097		**0.097**
	Operating Real Product (Power >75% Charging)			S1	0.227	100	0.227		S1	0.059	100	0.059
				S2	0.227		0.227		S2	0.057		0.057
				S3	0.227		0.227		S3	0.038		0.038
				S4	0.235		0.235		S4	0.054		0.054
				Top	0.235		0.235		Top	0.095		0.095
				Max	0.235		0.235		Max	0.095		0.095

CONFIGURATION 6 (Standby Mode @ Folded Position):

FCC Limit @360kHz

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC Limit	Location	Peak	Duty Cycle %	FCC Average	FCC Limit	Location	Peak	Duty Cycle %	FCC Average
6	Standby	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.218	0.39	0.014	1.63	S1	0.054	0.39	0.003
				S2	0.227		0.014		S2	0.069		0.004
				S3	0.227		0.014		S3	0.058		0.004
				S4	0.227		0.014		S4	0.046		0.003
				Top	0.244		0.015		Top	0.151		0.009
				Max	0.244		**0.015**		Max	0.151		**0.009**

FCC Limit @ 128kHz

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
6	Standby	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.175	0.32	0.010	1.63	S1	0.062	0.32	0.004
				S2	0.175		0.010		S2	0.082		**0.005**
				S3	0.173		0.010		S3	0.068		0.004
				S4	0.207		0.012		S4	0.076		0.004
				Top	0.334		**0.019**		Top	0.073		0.004
				Max	0.334		**0.019**		Max	0.082		**0.005**

FCC Limit @ 326kHz

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
6	Standby	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.227	0.39	0.014	1.63	S1	0.072	0.39	0.004
				S2	0.227		0.014		S2	0.093		0.006
				S3	0.235		0.015		S3	0.072		0.004
				S4	0.227		0.014		S4	0.068		0.004
				Top	0.235		0.015		Top	0.085		0.005
				Max	0.235		**0.015**		Max	0.093		**0.006**

CONFIGURATION 7 (Operating Mode @ Folded Position, New iPhone):

FCC Limit @Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
7	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.258	100	0.258	1.63	S1	0.036	100	0.036
				S2	0.245		0.245		S2	0.036		0.036
				S3	0.266		0.266		S3	0.036		0.036
				S4	0.237		0.237		S4	0.036		0.036
				Top	0.254		0.254		Top	0.036		0.036
				Max	0.258		0.258		Max	0.036		0.036
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.282	100	0.282		S1	0.036	100	0.036
				S2	0.245		0.245		S2	0.036		0.036
				S3	0.258		0.258		S3	0.037		0.037
				S4	0.245		0.245		S4	0.036		0.036
				Top	0.266		0.266		Top	0.037		0.037
				Max	0.282		**0.282**		Max	0.038		**0.038**
	Operating Real Product (Power >75% Charging)			S1	0.236	100	0.236		S1	0.036	100	0.036
				S2	0.245		0.245		S2	0.036		0.036
				S3	0.245		0.245		S3	0.037		0.037
				S4	0.228		0.228		S4	0.037		0.037
				Top	0.253		0.253		Top	0.038		0.038
				Max	0.253		0.253		Max	0.038		**0.038**

FCC Limit @2mm Airgap & 2mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
7	Operating Real Product (Power ~10% Charging) (2mm Airgap & 2mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.320	100	0.320	1.63	S1	0.049	100	0.049
				S2	0.277		0.277		S2	0.040		0.040
				S3	0.285		0.285		S3	0.044		0.044
				S4	0.277		0.277		S4	0.040		0.040
				Top	0.277		0.277		Top	0.037		0.037
				Max	0.320		0.320		Max	0.049		0.049
	Operating Real Product (Power 20% ~ 60% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.332	100	0.332		S1	0.050	100	0.050
				S2	0.301		0.301		S2	0.040		0.040
				S3	0.292		0.292		S3	0.045		0.045
				S4	0.277		0.277		S4	0.040		0.040
				Top	0.314		0.314		Top	0.038		0.038
				Max	0.332		**0.332**		Max	0.051		**0.051**
	Operating Real Product (Power >75% Charging) (2mm Airgap & 2mm Shift to the Top)			S1	0.325	100	0.325		S1	0.044	100	0.044
				S2	0.277		0.277		S2	0.040		0.040
				S3	0.301		0.301		S3	0.050		0.050
				S4	0.266		0.266		S4	0.043		0.043
				Top	0.282		0.282		Top	0.037		0.037
				Max	0.325		0.325		Max	0.050		0.050

FCC Limit **@4mm Airgap & 4mm Shift to Top**

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
7	Operating Real Product (Power ~10% Charging) (4mm Airgap & 4mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.269	100	0.269	1.63	S1	0.040	100	0.040
				S2	0.258		0.258		S2	0.057		0.057
				S3	0.266		0.266		S3	0.040		0.040
				S4	0.282		0.282		S4	0.059		0.059
				Top	0.262		0.262		Top	0.036		0.036
				Max	0.269		0.269		Max	0.059		0.059
	Operating Real Product (Power 20% ~ 60% Charging) (4mm Airgap &4mm Shift to the Top)			S1	0.273	100	0.273		S1	0.040	100	0.040
				S2	0.258		0.258		S2	0.060		0.060
				S3	0.253		0.253		S3	0.040		0.040
				S4	0.266		0.266		S4	0.060		0.060
				Top	0.284		**0.284**		Top	0.037		0.037
				Max	0.284		0.284		Max	0.060		0.060
	Operating Real Product (Power > 75% Charging) (4mm Airgap & 4mm Shift to the Top)			S1	0.269	100	0.269		S1	0.040	100	0.040
				S2	0.266		0.266		S2	0.059		0.059
				S3	0.266		0.266		S3	0.040		0.040
				S4	0.274		0.274		S4	0.062		**0.062**
				Top	0.253		0.253		Top	0.037		0.037
				Max	0.274		0.274		Max	0.062		0.062

FCC Limit **@5mm Airgap & 5mm Shift to Top**

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
7	Operating Real Product (Power ~10% Charging) (5mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.258	100	0.258	1.63	S1	0.040	100	0.040
				S2	0.266		0.266		S2	0.067		0.067
				S3	0.266		0.266		S3	0.042		0.042
				S4	0.274		0.274		S4	0.059		0.059
				Top	0.243		0.243		Top	0.036		0.036
				Max	0.274		0.274		Max	0.067		0.067
	Operating Real Product (Power 20% ~ 60% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.266	100	0.266		S1	0.040	100	0.040
				S2	0.266		0.266		S2	0.068		**0.068**
				S3	0.282		0.282		S3	0.042		0.042
				S4	0.266		0.266		S4	0.062		0.062
				Top	0.274		0.274		Top	0.037		0.037
				Max	0.282		**0.282**		Max	0.068		**0.068**
	Operating Real Product (Power > 75% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.277	100	0.277		S1	0.040	100	0.040
				S2	0.266		0.266		S2	0.068		**0.068**
				S3	0.273		0.273		S3	0.042		0.042
				S4	0.273		0.273		S4	0.060		0.060
				Top	0.267		0.267		Top	0.038		0.038
				Max	0.277		0.277		Max	0.068		**0.068**

CONFIGURATION 8 (Operating Mode @ Folded Position, Legacy iPhone):

FCC Limit @Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
8	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.193	100	0.193	1.63	S1	0.039	100	**0.039**
				S2	0.178		0.178		S2	0.019		0.019
				S3	0.213		0.213		S3	0.025		0.025
				S4	0.485		0.485		S4	0.027		0.027
				Top	0.226		0.226		Top	0.026		0.026
				Max	0.485		0.485		Max	0.039		**0.039**
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.186	100	0.186		S1	0.036	100	0.036
				S2	0.168		0.168		S2	0.019		0.019
				S3	0.186		0.186		S3	0.025		0.025
				S4	0.503		0.503		S4	0.027		0.027
				Top	0.189		0.189		Top	0.025		0.025
				Max	0.503		**0.503**		Max	0.036		0.036
	Operating Real Product (Power >75% Charging)			S1	0.180	100	0.180		S1	0.037	100	0.037
				S2	0.188		0.188		S2	0.019		0.019
				S3	0.213		0.213		S3	0.026		0.026
				S4	0.469		0.469		S4	0.027		0.027
				Top	0.226		0.226		Top	0.026		0.026
				Max	0.469		0.469		Max	0.037		0.037

FCC Limit @ 5mm Airgap & 5mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
8	Operating Real Product (Power ~10% Charging) (5mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.189	100	0.189	1.63	S1	0.040	100	0.040
				S2	0.175		0.175		S2	0.045		0.045
				S3	0.213		0.213		S3	0.033		0.033
				S4	0.231		0.231		S4	0.040		0.040
				Top	0.186		0.186		Top	0.023		0.023
				Max	0.231		0.231		Max	0.045		0.045
	Operating Real Product (Power 20% ~ 60% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.213	100	0.213		S1	0.036	100	0.036
				S2	0.195		0.195		S2	0.048		**0.048**
				S3	0.213		0.213		S3	0.033		0.033
				S4	0.245		0.245		S4	0.040		0.040
				Top	0.204		0.204		Top	0.019		0.019
				Max	0.245		**0.245**		Max	0.048		**0.048**
	Operating Real Product (Power >75% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.213	100	0.213		S1	0.039	100	0.039
				S2	0.189		0.189		S2	0.048		**0.048**
				S3	0.226		0.226		S3	0.033		0.033
				S4	0.239		0.239		S4	0.040		0.040
				Top	0.198		0.198		Top	0.021		0.021
				Max	0.239		0.239		Max	0.048		**0.048**

CONFIGURATION 9 (Operating Mode @ Folded Position, Airpods):

FCC Limit	@ Direct Contact											
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
9	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.184	100	0.184	1.63	S1	0.018	100	0.018
				S2	0.199		0.199		S2	0.019		**0.019**
				S3	0.161		0.161		S3	0.018		0.018
				S4	0.446		0.446		S4	0.019		**0.019**
				Top	0.156		0.156		Top	0.017		0.017
				Max	0.446		0.446		Max	0.019		**0.019**
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.201	100	0.201		S1	0.019	100	0.019
				S2	0.195		0.195		S2	0.017		0.017
				S3	0.166		0.166		S3	0.017		0.017
				S4	0.495		0.495		S4	0.019		0.019
				Top	0.137		0.137		Top	0.019		0.019
				Max	0.495		0.495		Max	0.019		**0.019**
	Operating Real Product (Power >75% Charging)			S1	0.222	100	0.222		S1	0.017	100	0.017
				S2	0.209		0.209		S2	0.017		0.017
				S3	0.189		0.189		S3	0.019		0.019
				S4	0.504		**0.504**		S4	0.017		0.017
				Top	0.173		0.173		Top	0.019		0.019
				Max	0.504		**0.504**		Max	0.019		**0.019**

FCC Limit	@2mm Airgap & 5mm Shift to Top											
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
9	Operating Real Product (Power ~10% Charging) (2mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.206	100	0.206	1.63	S1	0.026	100	0.026
				S2	0.219		0.219		S2	0.086		0.086
				S3	0.219		0.219		S3	0.033		0.033
				S4	0.331		0.331		S4	0.028		0.028
				Top	0.222		0.222		Top	0.062		0.062
				Max	0.331		0.331		Max	0.086		0.086
	Operating Real Product (Power 25% ~ 60% Charging) (2mm Airgap & 5mm Shift to the Top)			S1	0.206	100	0.206		S1	0.030	100	0.030
				S2	0.224		0.224		S2	0.089		0.089
				S3	0.211		0.211		S3	0.033		0.033
				S4	0.347		**0.347**		S4	0.028		0.028
				Top	0.235		0.235		Top	0.071		0.071
				Max	0.347		**0.347**		Max	0.089		0.089
	Operating Real Product (Power >75% Charging) (2mm Airgap & 5mm Shift to the Top)			S1	0.224	100	0.224		S1	0.029	100	0.029
				S2	0.224		0.224		S2	0.089		**0.089**
				S3	0.219		0.219		S3	0.038		0.038
				S4	0.340		0.340		S4	0.028		0.028
				Top	0.225		0.225		Top	0.071		0.071
				Max	0.340		0.340		Max	0.089		**0.089**

CONFIGURATION 10 (Operating Mode @ Folded Position, iWatch):

FCC Limit	@Direct Contact with New iWatch											
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
10	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.120	100	0.120	1.63	S1	0.017	100	0.017
				S2	0.120		0.120		S2	0.019		0.019
				S3	0.120		0.120		S3	0.019		0.019
				S4	0.122		0.122		S4	0.019		0.019
				Top	0.120		0.120		Top	0.019		0.019
				Max	0.122		0.122		Max	0.020		**0.020**
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.120	100	0.120		S1	0.019	100	0.019
				S2	0.127		0.127		S2	0.020		**0.020**
				S3	0.120		0.120		S3	0.019		0.019
				S4	0.120		0.120		S4	0.020		**0.020**
				Top	0.120		0.120		Top	0.019		0.019
				Max	0.127		**0.127**		Max	0.020		**0.020**
	Operating Real Product (Power >75% Charging)			S1	0.122	100	0.122		S1	0.019	100	0.019
				S2	0.111		0.111		S2	0.019		0.019
				S3	0.120		0.120		S3	0.019		0.019
				S4	0.120		0.120		S4	0.019		0.019
				Top	0.120		0.120		Top	0.019		0.019
				Max	0.122		0.122		Max	0.019		0.019

FCC Limit	@Direct Contact with Legacy iWatch											
Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
10	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.235	100	0.235	1.63	S1	0.072	100	0.072
				S2	0.227		0.227		S2	0.091		0.091
				S3	0.227		0.227		S3	0.068		0.068
				S4	0.227		0.227		S4	0.060		0.060
				Top	0.227		0.227		Top	0.071		0.071
				Max	0.235		**0.235**		Max	0.091		0.091
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.235	100	0.235		S1	0.068	100	0.068
				S2	0.227		0.227		S2	0.090		0.090
				S3	0.235		0.235		S3	0.072		0.072
				S4	0.227		0.227		S4	0.068		0.068
				Top	0.227		0.227		Top	0.067		0.067
				Max	0.235		**0.235**		Max	0.090		0.090
	Operating Real Product (Power >75% Charging)			S1	0.227	100	0.227		S1	0.072	100	0.072
				S2	0.227		0.227		S2	0.093		0.093
				S3	0.227		0.227		S3	0.070		0.070
				S4	0.235		**0.235**		S4	0.066		0.066
				Top	0.235		0.235		Top	0.071		0.071
				Max	0.235		**0.235**		Max	0.093		**0.093**

CONFIGURATION 11 (Operating Mode @ Flatbed Position, New iPhone + iWatch):

FCC Limit @ 360kHz New iPhone with 4mm Airgap & 4mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
11	Operating Real Product (Power ~10% Charging) (4mm Airgap & 4mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.180	100	0.180	1.63	S1	0.049	100	0.049
				S2	0.205		0.205		S2	0.069		0.069
				S3	0.131		0.131		S3	0.021		0.021
				S4	0.386		0.386		S4	0.048		0.048
				Top	0.213		0.213		Top	0.021		0.021
				Max	0.386		0.386		Max	0.069		0.069
	Operating Real Product (Power 20% ~ 60% Charging) 4mm Airgap & 4mm Shift to the Top)			S1	0.195	100	0.195		S1	0.050	100	0.050
				S2	0.221		0.221		S2	0.072		0.072
				S3	0.122		0.122		S3	0.021		0.021
				S4	0.411		**0.411**		S4	0.040		0.040
				Top	0.179		0.179		Top	0.022		0.022
				Max	0.411		**0.411**		Max	0.072		**0.072**
	Operating Real Product (Power >75% Charging) (4mm Airgap & 4mm Shift to the Top)			S1	0.195	100	0.195		S1	0.047	100	0.047
				S2	0.193		0.193		S2	0.069		0.069
				S3	0.160		0.160		S3	0.020		0.020
				S4	0.406		0.406		S4	0.047		0.047
				Top	0.188		0.188		Top	0.022		0.022
				Max	0.406		0.406		Max	0.069		0.069

FCC Limit @ 326kHz iWatch with Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
11	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.111	100	0.111	1.63	S1	0.015	100	0.015
				S2	0.100		0.100		S2	0.015		0.015
				S3	0.100		0.100		S3	0.015		0.015
				S4	0.100		0.100		S4	0.017		0.017
				Top	0.108		0.108		Top	0.017		0.017
				Max	0.111		0.111		Max	0.017		0.017
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.111	100	0.111		S1	0.015	100	0.015
				S2	0.111		0.111		S2	0.019		0.019
				S3	0.111		0.111		S3	0.015		0.015
				S4	0.120		**0.120**		S4	0.015		0.015
				Top	0.115		0.115		Top	0.015		0.015
				Max	0.120		**0.120**		Max	0.019		**0.019**
	Operating Real Product (Power >75% Charging)			S1	0.111	100	0.111		S1	0.015	100	0.015
				S2	0.111		0.111		S2	0.017		0.017
				S3	0.100		0.100		S3	0.015		0.015
				S4	0.111		0.111		S4	0.015		0.015
				Top	0.115		0.115		Top	0.015		0.015
				Max	0.115		0.115		Max	0.017		0.017

CONFIGURATION 12 (Operating Mode @ Flatbed Position, Legacy iPhone + iWatch):

FCC Limit @ 128kHz Legacy iPhone with 5mm Airgap & 5mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
12	Operating Real Product (Power ~10% Charging) (5mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.231	100	0.231	1.63	S1	0.059	100	0.059
				S2	0.198		0.198		S2	0.073		0.073
				S3	0.166		0.166		S3	0.026		0.026
				S4	0.422		0.422		S4	0.098		0.098
				Top	0.173		0.173		Top	0.030		0.030
				Max	0.422		0.422		Max	0.098		0.098
	Operating Real Product (Power 20% ~ 60% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.284	100	0.284		S1	0.056	100	0.056
				S2	0.198		0.198		S2	0.086		0.086
				S3	0.189		0.189		S3	0.026		0.026
				S4	0.522		**0.522**		S4	0.098		0.098
				Top	0.209		0.209		Top	0.034		0.034
				Max	0.522		**0.522**		Max	0.098		0.098
	Operating Real Product (Power >75% Charging) (5mm Airgap & 5mm Shift to the Top)			S1	0.284	100	0.284		S1	0.059	100	0.059
				S2	0.231		0.231		S2	0.067		0.067
				S3	0.193		0.193		S3	0.025		0.025
				S4	0.491		0.491		S4	0.098		**0.098**
				Top	0.179		0.179		Top	0.030		0.030
				Max	0.491		0.491		Max	0.098		**0.098**

FCC Limit @ 326kHz iWatch with Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
12	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.077	100	0.077	1.63	S1	0.015	100	0.015
				S2	0.084		0.084		S2	0.018		0.018
				S3	0.094		0.094		S3	0.017		0.017
				S4	0.077		0.077		S4	0.017		0.017
				Top	0.085		0.085		Top	0.015		0.015
				Max	0.094		0.094		Max	0.018		0.018
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.111	100	0.111		S1	0.015	100	0.015
				S2	0.100		0.100		S2	0.018		0.018
				S3	0.094		0.094		S3	0.015		0.015
				S4	0.054		0.054		S4	0.021		**0.021**
				Top	0.094		0.094		Top	0.016		0.016
				Max	0.094		0.094		Max	0.021		**0.021**
	Operating Real Product (Power >75% Charging)			S1	0.094	100	0.094		S1	0.015	100	0.015
				S2	0.100		0.100		S2	0.015		0.015
				S3	0.100		0.100		S3	0.015		0.015
				S4	0.111		0.111		S4	0.017		0.017
				Top	0.100		0.100		Top	0.015		0.015
				Max	0.111		**0.111**		Max	0.017		0.017

CONFIGURATION 13 (Operating Mode @ Flatbed Position, AirPods + iWatch):

FCC Limit @ 128kHz Airpods with 2mm Airgap & 5mm Shift to Top

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
13	Operating Real Product (Power ~10% Charging) (2mm Airgap & 5mm Shift to the Top)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.218	100	0.218	1.63	S1	0.037	100	0.037
				S2	0.199		0.199		S2	0.084		0.084
				S3	0.166		0.166		S3	0.020		0.020
				S4	0.307		0.307		S4	0.028		0.028
				Top	0.214		0.214		Top	0.069		0.069
				Max	0.307		**0.307**		Max	0.084		**0.084**
	Operating Real Product (Power 20% ~ 60% Charging) (2mm Airgap & 5mm Shift to the Top)			S1	0.226	100	0.226		S1	0.035	100	0.035
				S2	0.206		0.206		S2	0.084		0.084
				S3	0.168		0.168		S3	0.022		0.022
				S4	0.292		0.292		S4	0.028		0.028
				Top	0.181		0.181		Top	0.020		0.020
				Max	0.292		0.292		Max	0.084		**0.084**
	Operating Real Product (Power >75% Charging) (2mm Airgap 5 2mm Shift to the Top)			S1	0.219	100	0.219		S1	0.045	100	0.045
				S2	0.199		0.199		S2	0.075		0.075
				S3	0.166		0.166		S3	0.021		0.021
				S4	0.292		0.292		S4	0.042		0.042
				Top	0.222		0.222		Top	0.020		0.020
				Max	0.029		0.029		Max	0.075		0.075

FCC Limit @ 326kHz iWatch with Direct Contact

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
13	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT	614	S1	0.111	100	0.111	1.63	S1	0.015	100	0.015
				S2	0.105		0.105		S2	0.017		0.017
				S3	0.100		0.100		S3	0.015		0.015
				S4	0.094		0.094		S4	0.017		0.017
				Top	0.100		0.100		Top	0.017		0.017
				Max	0.111		**0.111**		Max	0.017		0.017
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.100	100	0.100		S1	0.017	100	0.017
				S2	0.105		0.105		S2	0.019		0.019
				S3	0.100		0.100		S3	0.015		0.015
				S4	0.084		0.084		S4	0.017		0.017
				Top	0.094		0.094		Top	0.015		0.015
				Max	0.105		0.105		Max	0.019		**0.019**
	Operating Real Product (Power >75% Charging)			S1	0.111	100	0.111		S1	0.015	100	0.015
				S2	0.111		0.111		S2	0.017		0.017
				S3	0.105		0.105		S3	0.015		0.015
				S4	0.100		0.100		S4	0.019		0.019
				Top	0.111		**0.111**		Top	0.015		0.015
				Max	0.111		**0.111**		Max	0.019		**0.019**

9. SETUP PHOTO

Please see setup photo report 13371062-EP1V1

END OF TEST REPORT