

## Report Number: 14357342-EP1V1

### 1. SCOPE

The purpose of this document is to show test setup diagrams and photos for the following reports

Reports
14357342-E1 FCC WPT Report
14357342-E2 FCC WPT RF Exposure Report

## 2. WPT TECHNOLOGY (14357342-E1 Report)

### 2.1. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC		
Apple Watch Series 8	Apple	A2771	F544Y6F9TX	BCG- A2771		
Apple Watch Series 8	Apple	A2771	MNV2T7TXLY	BCG- A2771		
Apple Watch Series 8	Apple	A2771	HKJ5H4N6XN	BCG- A2771		
Apple Watch Series 8	Apple	A2771	H4WFWQH9LF	BCG- A2771		
Apple Watch Series 8	Apple	A2771	CFYGKG06W7	BCG- A2771		
Legacy Apple Watch SE	Apple	A2722	PMJH6F3QX9	BCG- A2722		
Legacy Apple Watch SE	Apple	A2722	G27Q467X61	BCG- A2722		
Legacy Apple Watch SE	Apple	A2722	KNYPMV99QX	BCG- A2722		
Apple 20W USB-C PSU	Apple	A1720	FNT9395A6ENL9J9AA	DoC		
iPhone 12	Apple	A2342	F2LFKNTW0D41	BCG-E3548A		
iPhone 12	Apple	A2342	F2LFKP3R0D41	BCG-E3548A		
iPhone 12	Apple	A2342	F2MFLFJA0D42	BCG-E3548A		
I/O CABLES (RADIATED EMISSIONS/ AC LINE CONDUCTED)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	USB Type C	shielded	.3	-
2	DC	1	USB Type C	shielded	1	-

Note: All those support equipment (clients/receiving loads) were used during testing to help expedite testing due to battery levels.

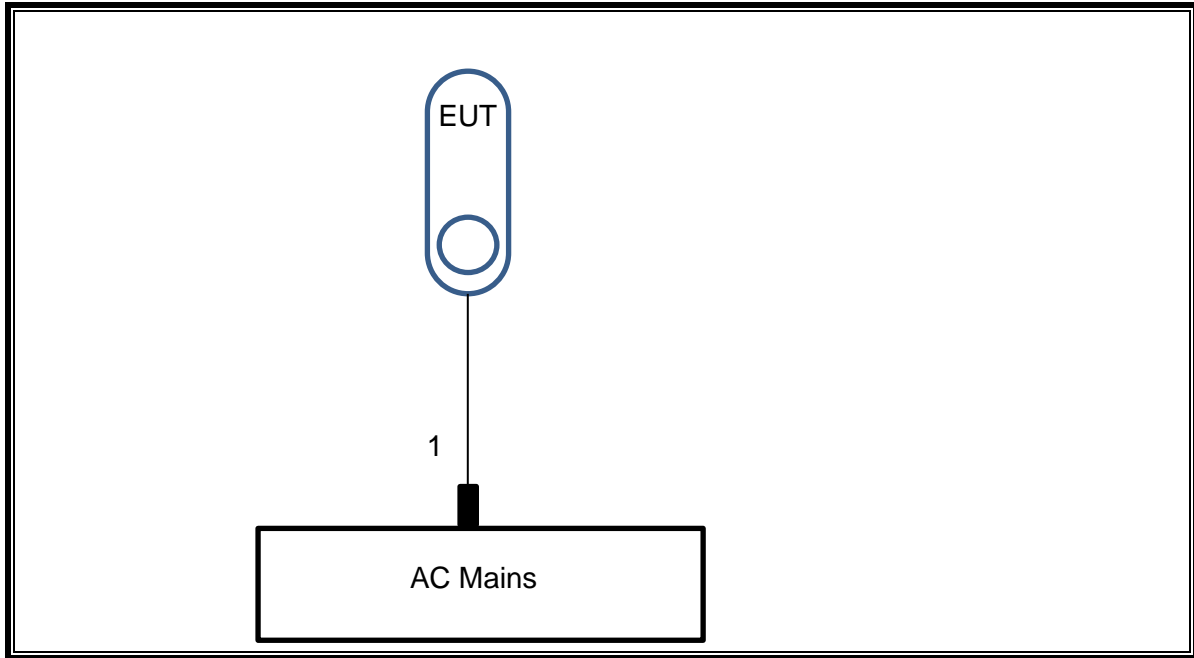
#### **TEST SETUP**

For desktop mode, the EUT is directly connected to a USB Type C AC/DC adapter via USB Type C cable.

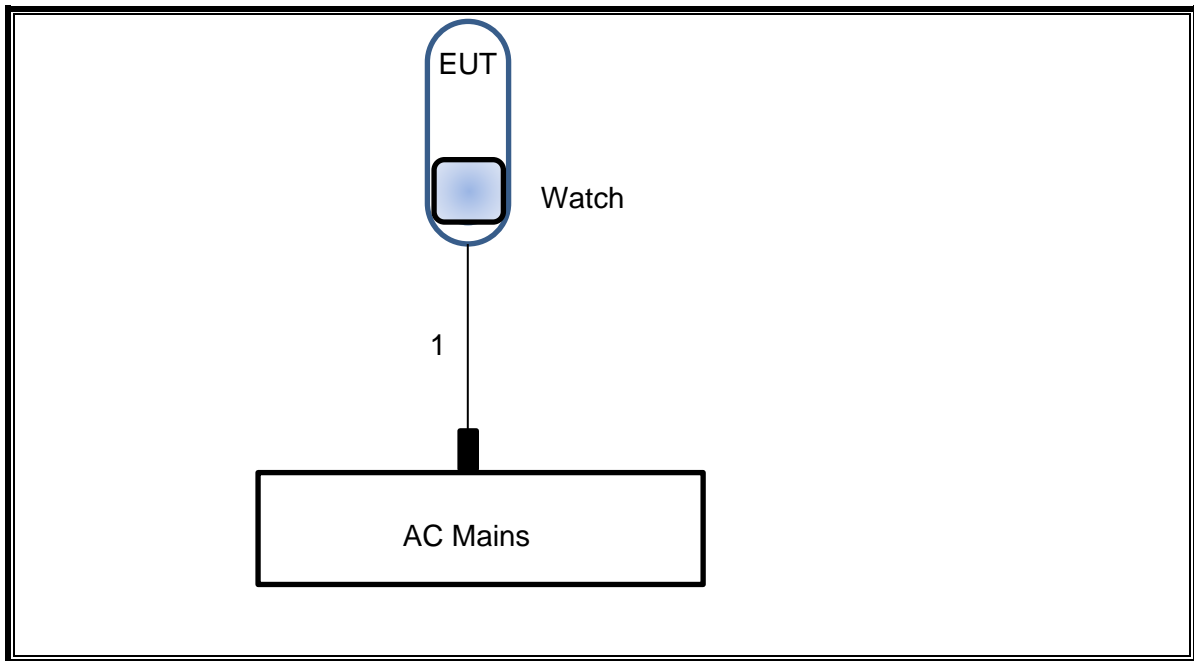
For portable mode, the EUT is powered by internal battery.

All testing is based on direct contact and no position shift due to magnet embedded in charger pad.

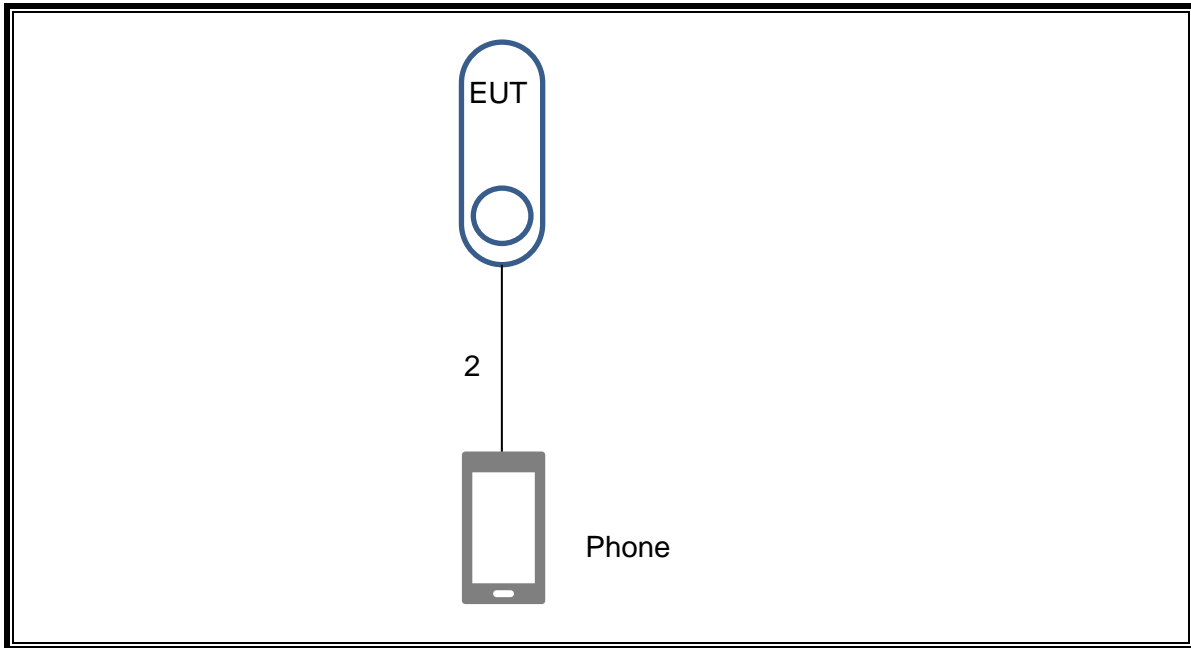
**CONFIGURATION 1: DESKTOP, WPT ON STANDBY, CHARGED BY AC/DC ADAPTER (326.5kHz)**



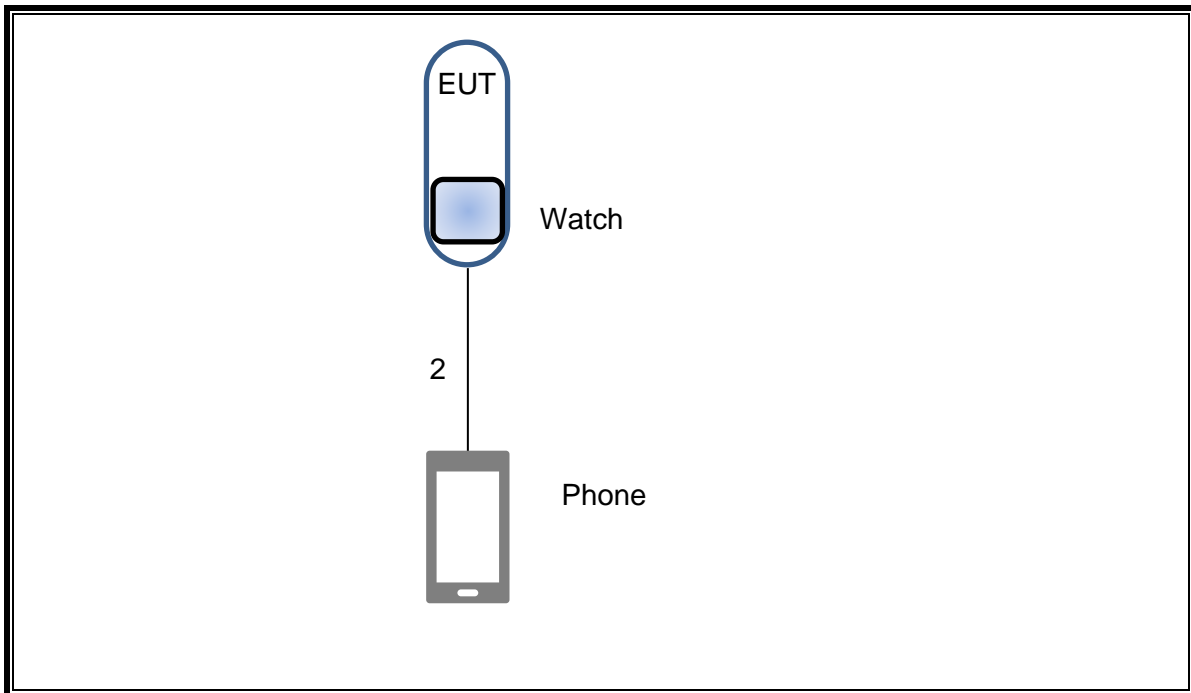
**CONFIGURATION 2/3: DESKTOP, OPERATING MODE WITH Apple Watch (326.5kHz/ 1.778MHz)**



**CONFIGURATION 4: PORTABLE, WPT ON STANDBY (326.5kHz) + Phone**



**CONFIGURATION 5/6: PORTABLE, OPERATING MODE WITH Apple Watch (326.5kHz/1.778MHz) + Phone**



## 2.2. AC LINE CONDUCTED SETUP

### 2.2.1. CONFIGURATON 1: DESKTOP, WPT ON STANDBY, CHARGED BY AC/DC ADAPTER (326.5kHz)

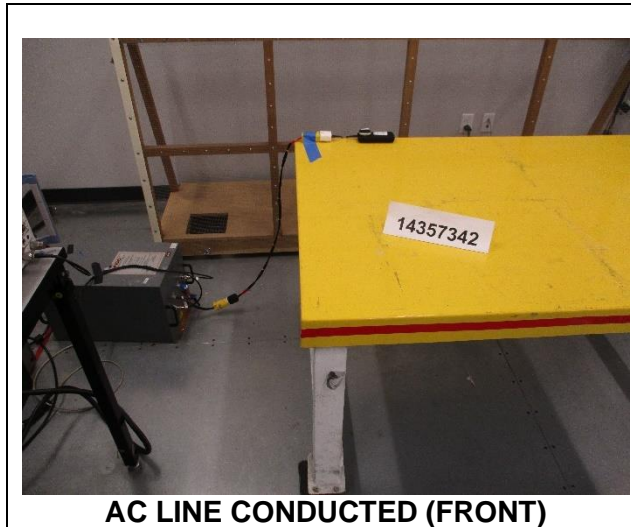


AC LINE CONDUCTED (FRONT)



AC LINE CONDUCTED (BACK)

### 2.2.2. CONFIGURATON 3: DESKTOP, OPERATING MODE WITH Apple Watch (1.778MHz)



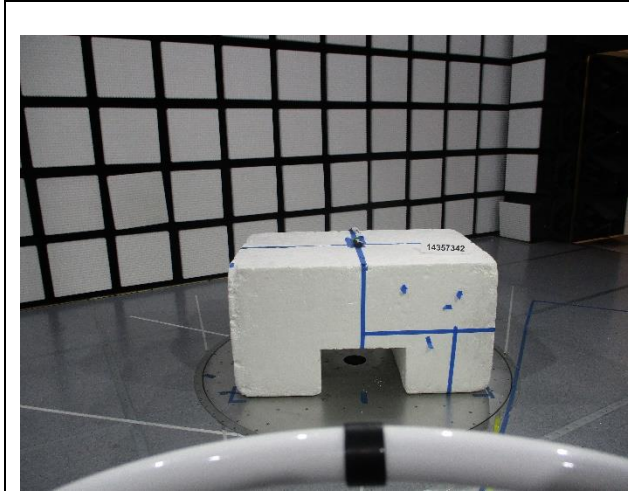
AC LINE CONDUCTED (FRONT)



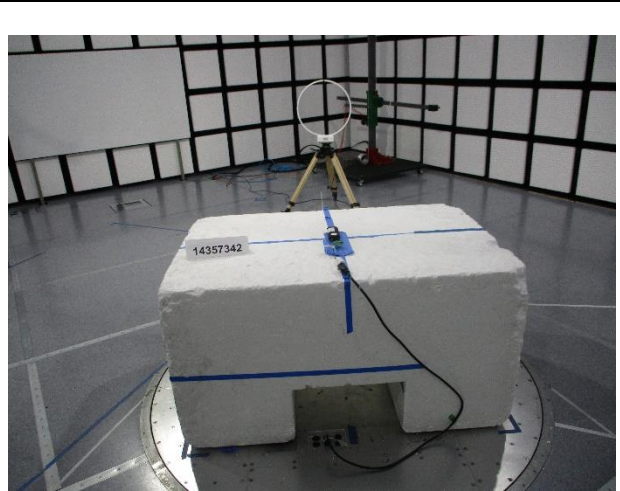
AC LINE CONDUCTED (BACK)

### 2.3. WPT RADIATED RF MEASUREMENT SETUP

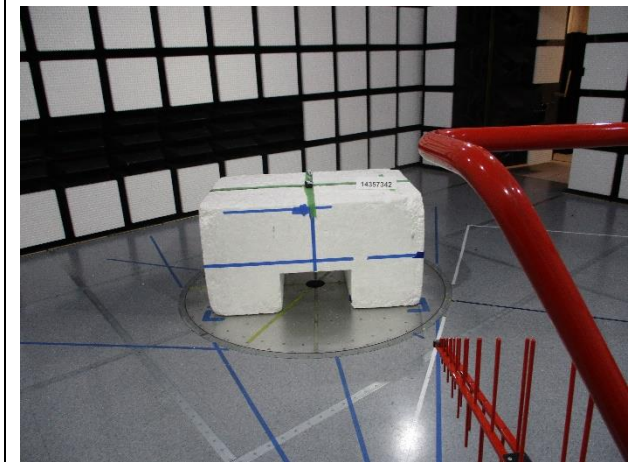
#### 2.3.1. CONFIGURATION 1: DESKTOP, WPT ON STANDBY, CHARGED BY AC/DC ADAPTER (326.5kHz)



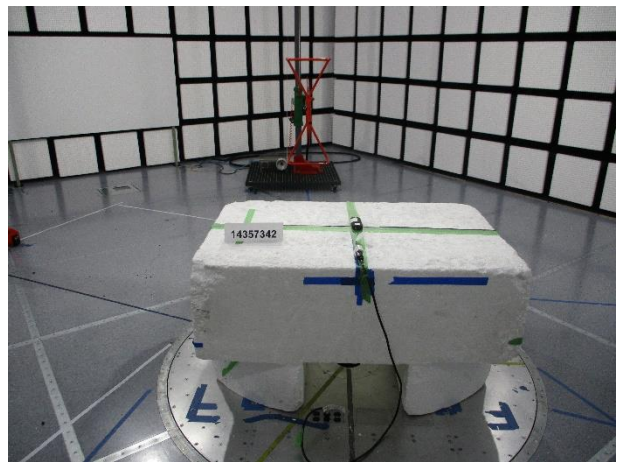
BELOW 30 MHz (FRONT)



BELOW 30 MHz (BACK)

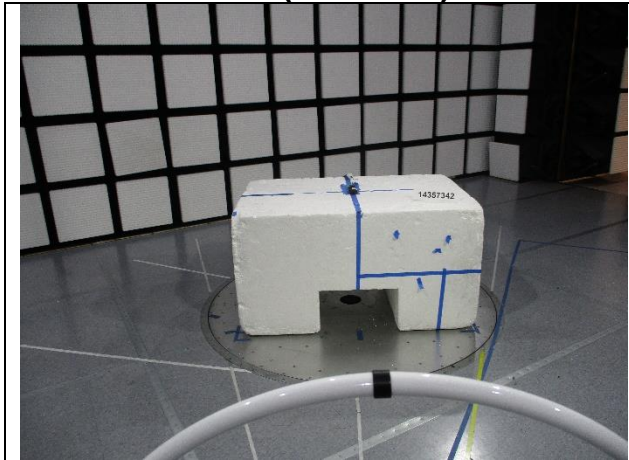


BELOW 1GHz (FRONT)

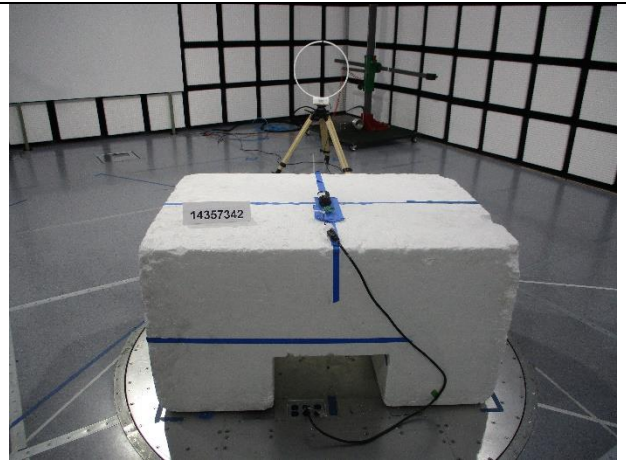


BELOW 1GHz (BACK)

**2.3.2. CONFIGURATION 2: DESKTOP, OPERATING MODE WITH Apple Watch (326.5kHz)**

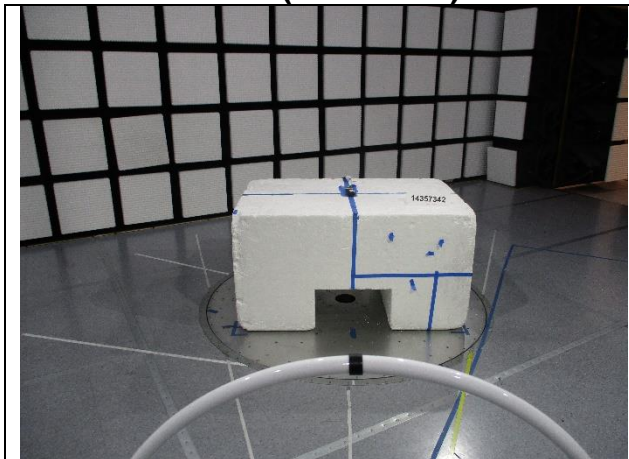


**BELOW 30 MHz (FRONT)**

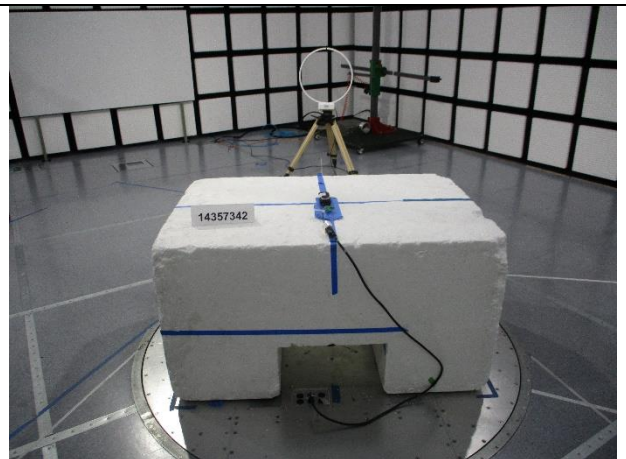


**BELOW 30 MHz (BACK)**

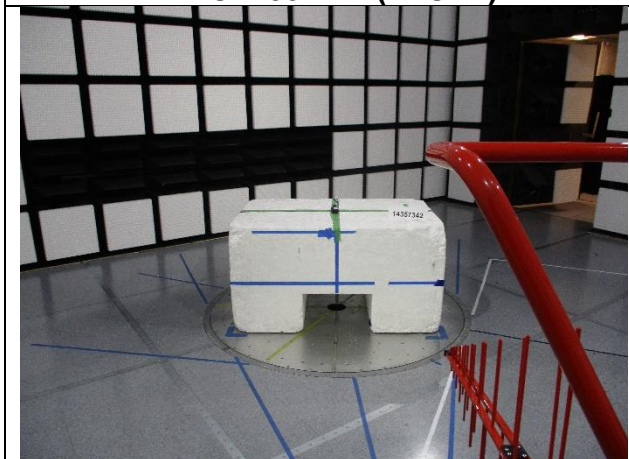
**2.3.3. CONFIGURATION 3: DESKTOP, OPERATING MODE WITH Apple Watch (1.778MHz)**



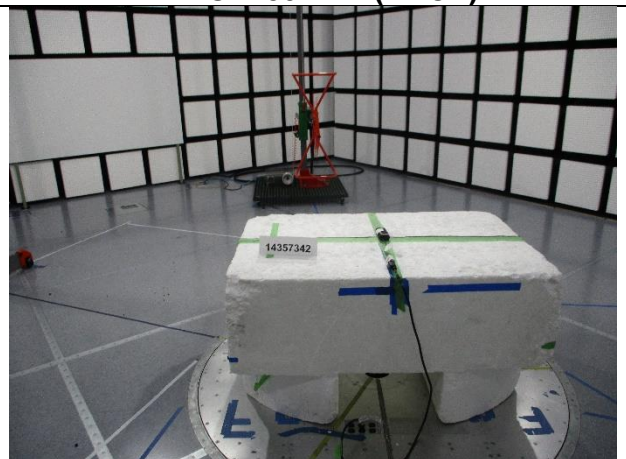
**BELOW 30 MHz (FRONT)**



**BELOW 30 MHz (BACK)**

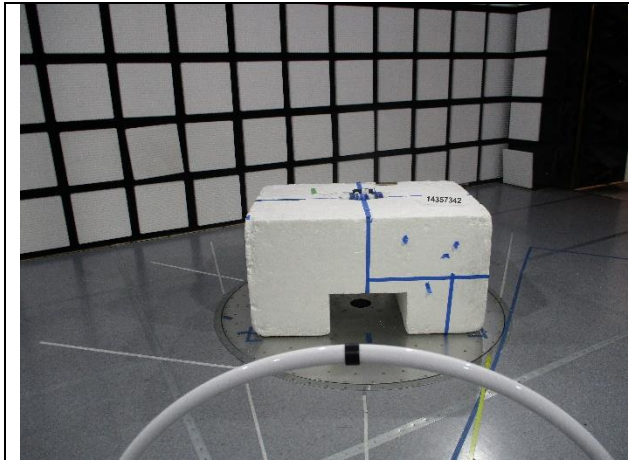


**BELOW 1GHz (FRONT)**

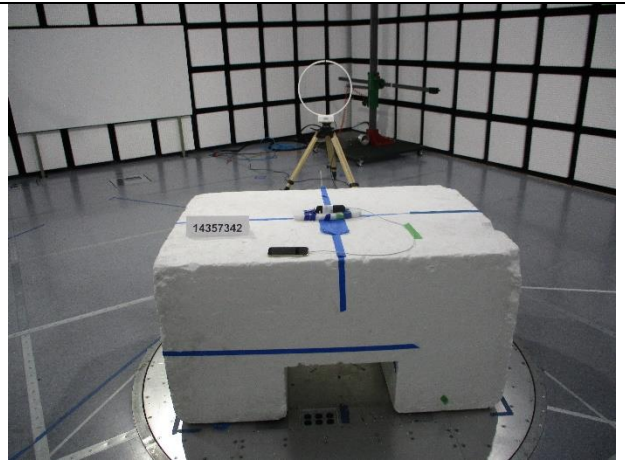


**BELOW 1GHz (BACK)**

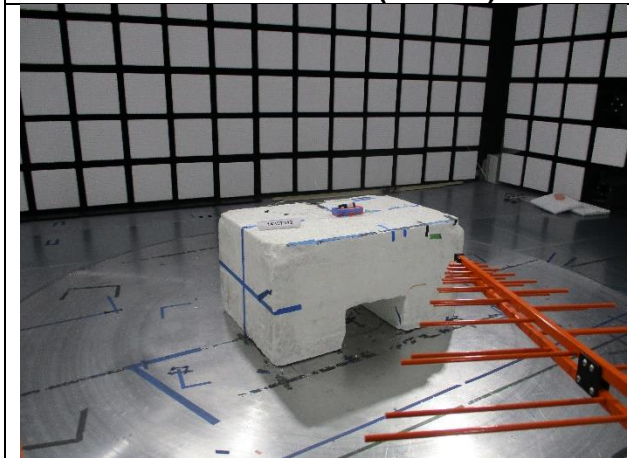
**2.3.4. CONFIGURATION 4: PORTABLE, WPT ON STANDBY (326.5kHz)  
+ Phone**



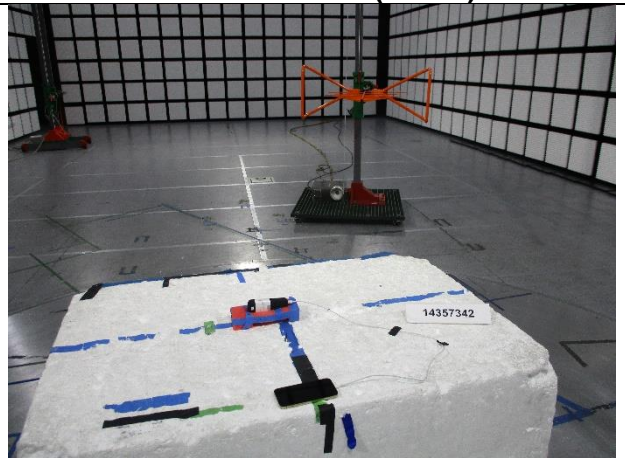
**BELOW 30 MHz (FRONT)**



**BELOW 30 MHz (BACK)**

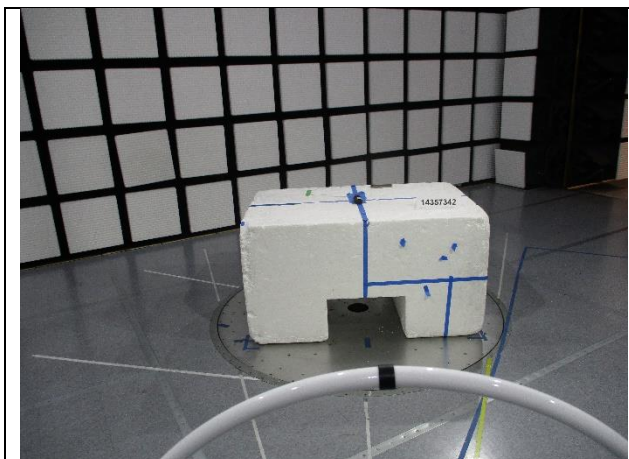


**BELOW 1GHz (FRONT)**

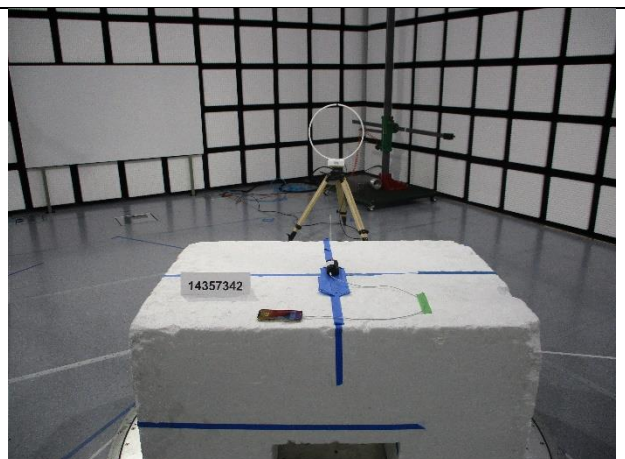


**BELOW 1GHz (BACK)**

**2.3.5. CONFIGURATION 5: PORTABLE, OPERATING MODE WITH  
Apple Watch (326.5kHz) + Phone**



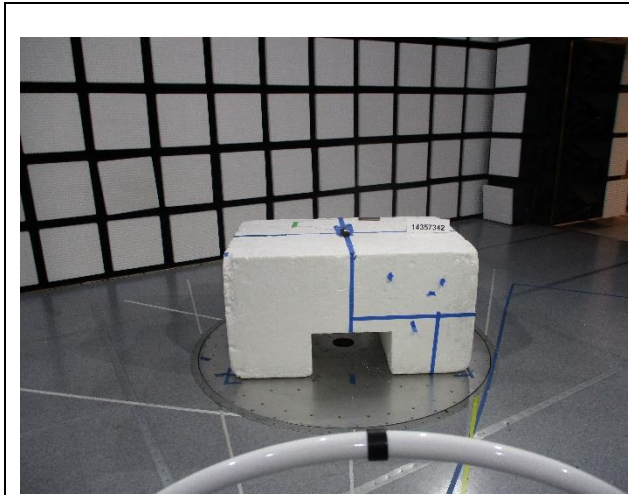
**BELOW 30 MHz (FRONT)**



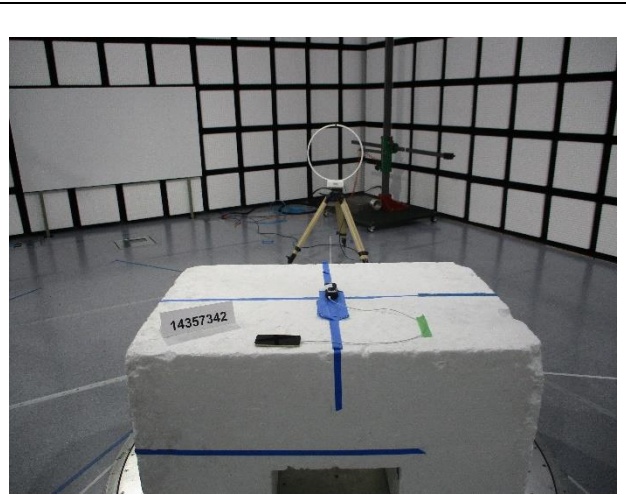
**BELOW 30 MHz (BACK)**



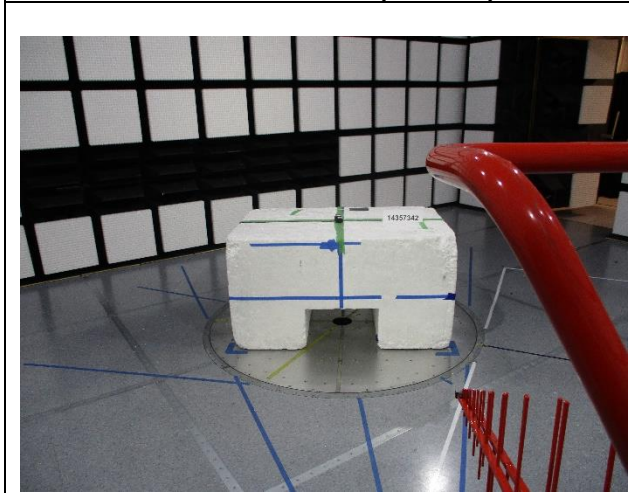
### 2.3.6. CONFIGURATION 6: PORTABLE, OPERATING MODE WITH Apple Watch (1.778MHz) + Phone



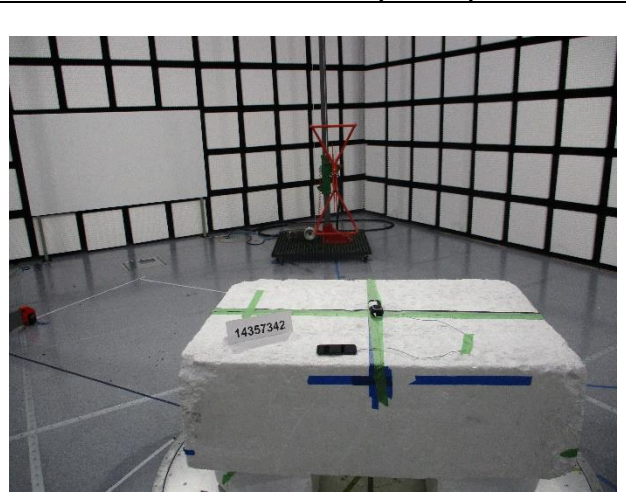
**BELOW 30 MHz (FRONT)**



**BELOW 30 MHz (BACK)**



**BELOW 1GHz (FRONT)**



**BELOW 1GHz (BACK)**

### 3. RF EXPOSURE (14357342-E2 Report)

#### 3.1. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC		
AC/DC adapter	Apple	A2305	F1610270CEPPM06BS	DoC		
Legacy Apple Watch	Apple	A1554	FHLPNJQEG9J6	BCG-E2871		
Legacy Apple Watch	Apple	A2092	FHLZM8YQMLTK	BCG-A092		
Legacy Apple Watch SE	Apple	A2722	DDJK7F4VCX	BCG-A2722		
Apple Watch Series 7	Apple	A2474	TF7MKCXC9Q	BCG-A2474		
Apple Watch Series 7	Apple	A2474	WNX9JYCXKH	BCG-A2474		
Apple Watch Series 7	Apple	A2474	K76R02RKQG	BCG-A2474		
Apple Watch Series 7	Apple	A2474	MH407G923N	BCG-A2474		
Apple Watch Series 7	Apple	A2474	QVW24T7HH6	BCG-A2474		
I/O CABLES (AC LINE CONDUCTED)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	USB Type C	shielded	.3	-

Note: All those support equipment (clients/receiving loads) were used during testing to help expedite testing due to battery levels.

#### TEST SETUP

For desktop mode, the EUT is directly connected to a USB Type C AC/DC adapter via USB Type C cable.

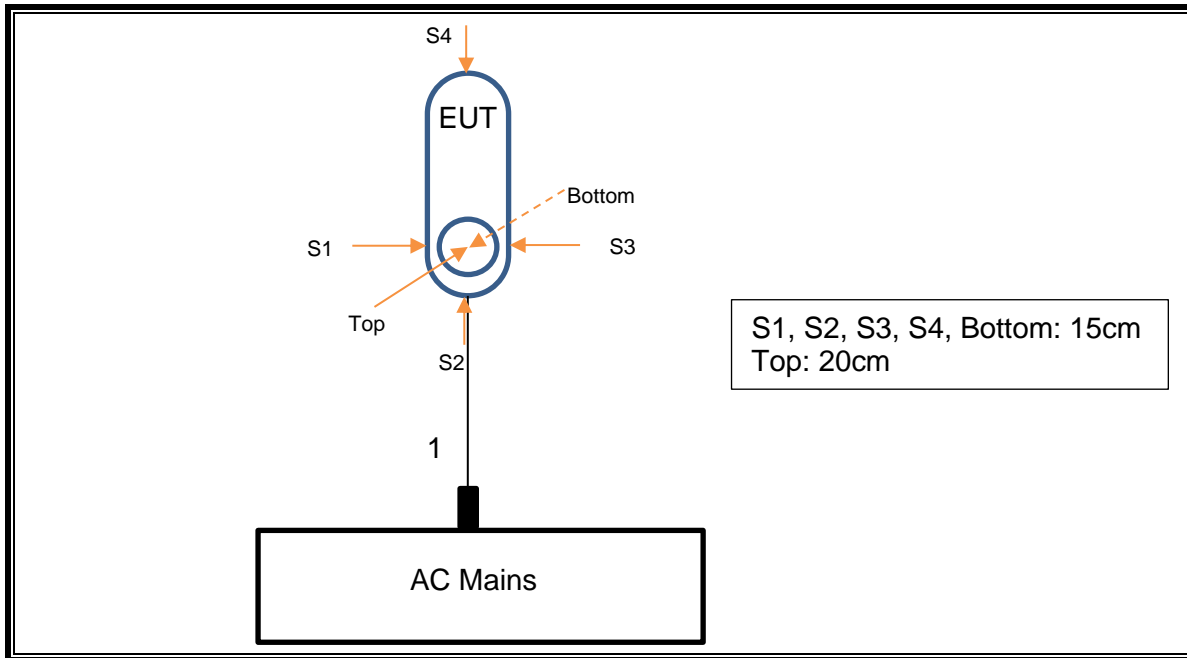
All testing is based on direct contact and no position shift due to magnet embedded in charger pad.

#### MEASUREMENT SETUP

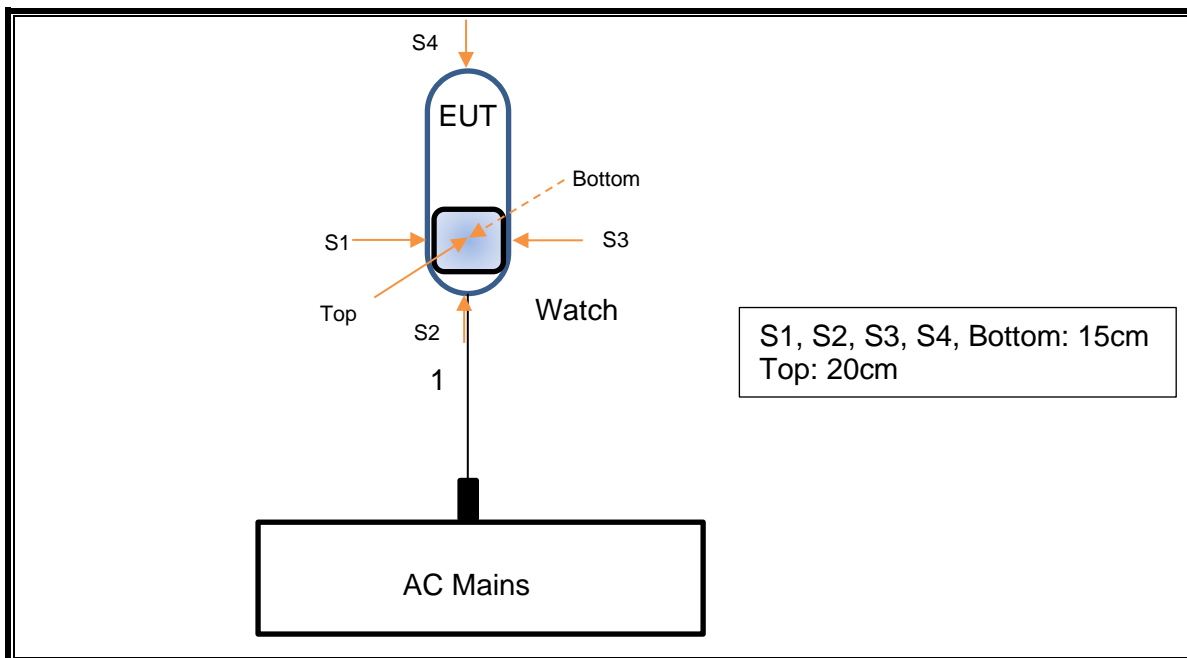
The measurements were taken using a probe placed 15 cm surrounding the device and 20 cm above the top surface for all configurations on each individual coil per KDB 680106 D01.

Measurement distance is determined from the center of the probe to the EUT.

**CONFIGURATION 1: DESKTOP, WPT ON STANDBY, CHARGED BY AC/DC ADAPTER (326.5kHz)**



**CONFIGURATION 2/3: DESKTOP, OPERATING MODE WITH Apple Watch (326.5kHz/ 1.778MHz)**



### 3.2. RF EXPOSURE SETUP PHOTO

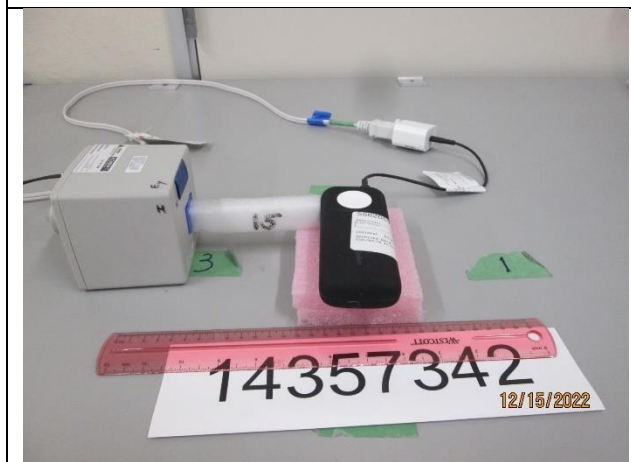
#### 3.2.1. CONFIGURATION 1: DESKTOP, WPT ON STANDBY, CHARGED BY AC/DC ADAPTER (326.5kHz)



S1



S2



S3



S4



Top

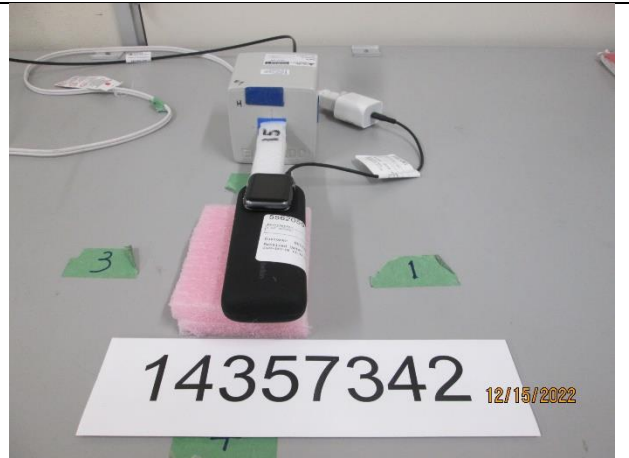


Bottom

### 3.2.2. CONFIGURATION 2: DESKTOP, OPERATING MODE WITH Apple Watch (326.5kHz)



S1



S2



S3



S4



Top

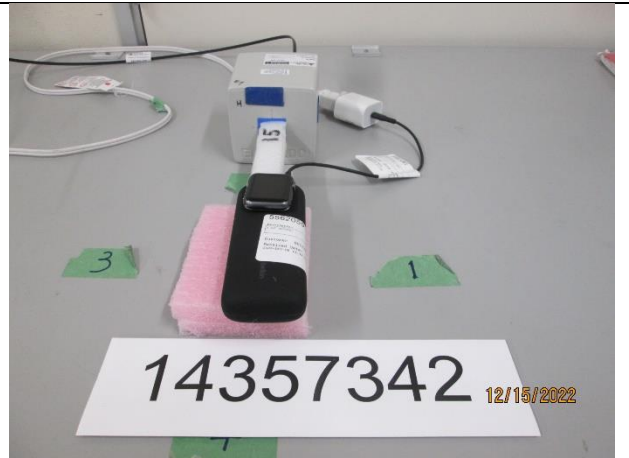


Bottom

### 3.2.3. CONFIGURATION 3: DESKTOP, OPERATING MODE WITH Apple Watch (1.778MHz)



S1



S2



S3



S4



Top



Bottom

**END OF REPORT**