Report Number: 14919986-EP1V1

1. SCOPE

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

| Reports |
| --- |
| 14919986-E1 FCC WPT Report |
| 14919986-E2 FCC WPT RF Exposure Report |

2. WPT TECHNOLOGY (14919986-E1 Report)

2.1.   DESCRIPTION OF TEST SETUP

| SUPPORT TEST EQUIPMENT				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID/ DoC**
Support Laptop	Lenovo	21AJS0KL00	PF4BYTWZ	DoC
Laptop AC/DC adapter	Lenovo	ADLX65YLC2D	2CL2XWL	DoC
AC/DC Adapter	Belkin	A843-200150C-US1	N/A	DoC
Apple Watch Series 8	Apple	A2771	PK2XN19M39	BCG- A2771
Apple Watch Series 8	Apple	A2771	MNV2T7TXLY	BCG- A2771
Apple Watch Series 8	Apple	A2771	F544Y6F9TX	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	J6TJ0LFQ2H	BCG- A2722
Legacy Apple Watch SE	Apple	A2722	DDJK7F4VCX	BCG- A2722
I/O CABLES (RADIATED EMISSIONS/ AC LINE CONDUCTED)				
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	2-Prong	Un-shielded	1	AC Mains to Laptop AC/DC Adapter
2	DC	1	USB-Type C	Shielded	1.7	AC/DC Adapter to Laptop

Note: Several support equipment (clients/receiving loads) were used during testing to help expedite testing due to battery levels.
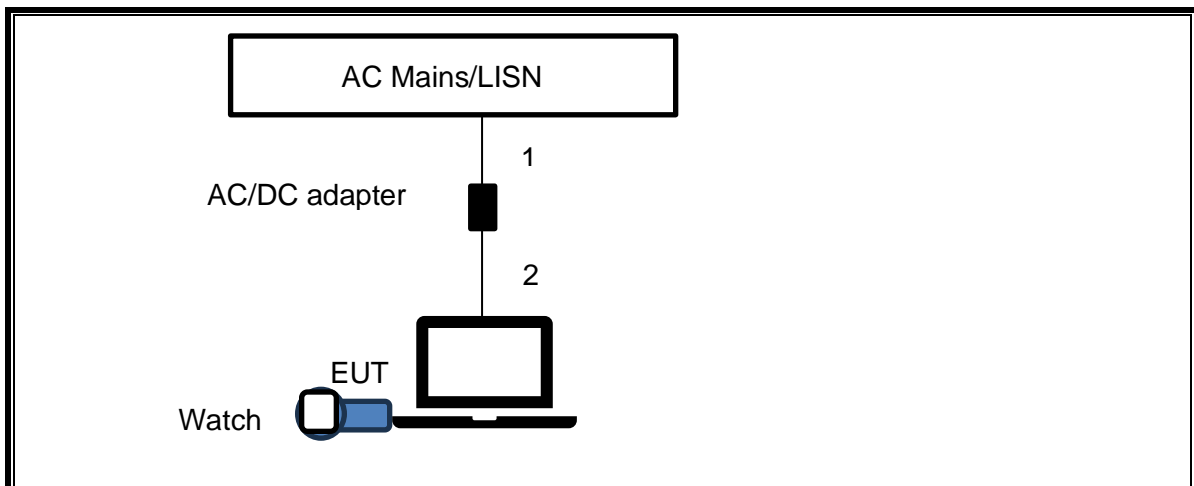
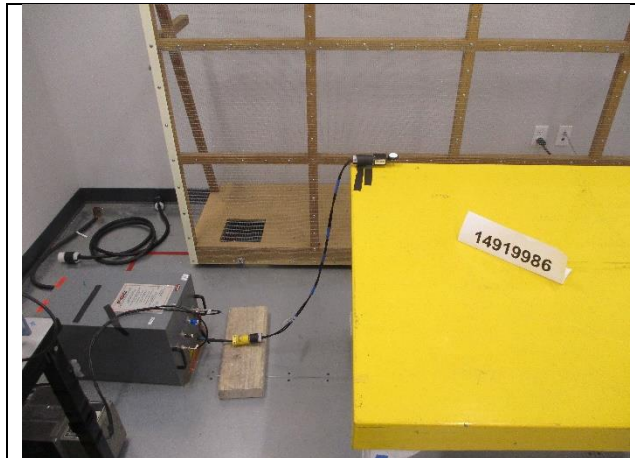## TEST SETUP BLOCK DIAGRAM

CONFIGURATION 1: WPT ON STANDBY
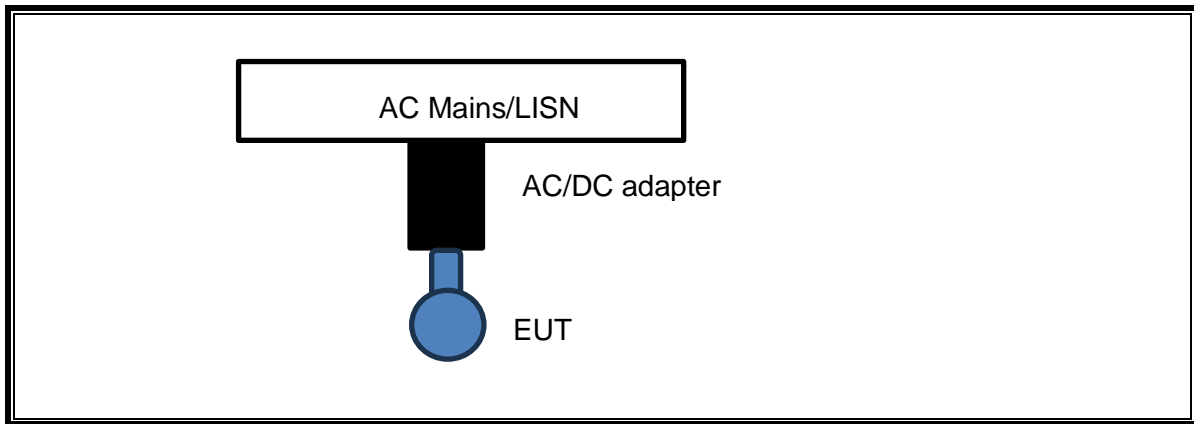
CONFIGURATION 2/3: OPERATING MODE WITH Apple Watch
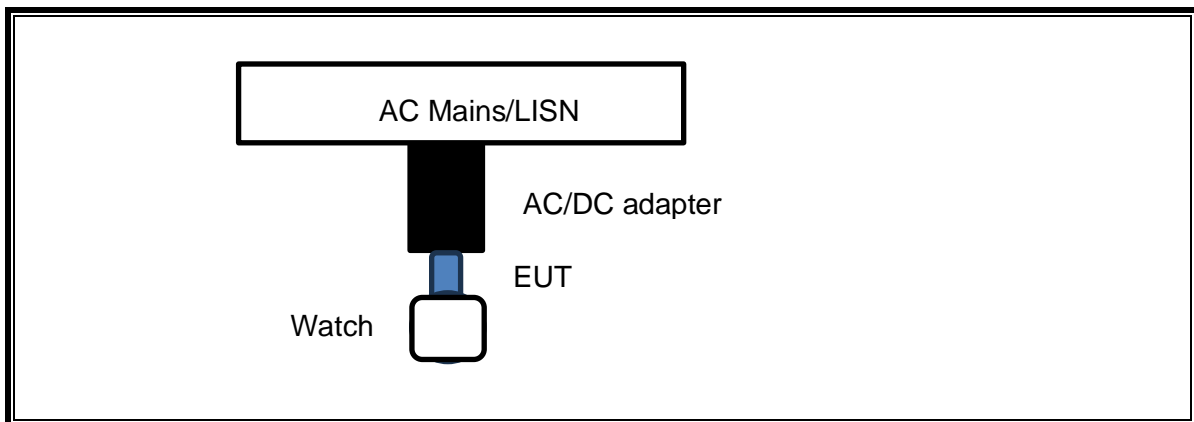
CONFIGURATION 4: OPERATING MODE WITH Apple Watch (Powered Via Laptop)

2.2.   AC LINE CONDUCTED SETUP

CONFIGURATON 1: WPT ON STANDBY

| AC LINE CONDUCTED (FRONT) | AC LINE CONDUCTED (BACK) |

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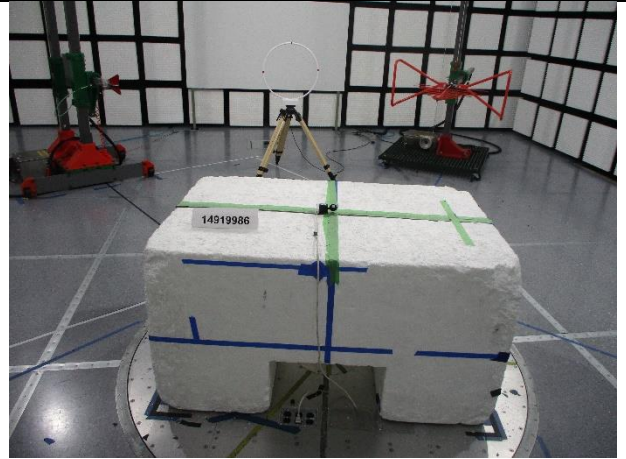

| AC LINE CONDUCTED (FRONT) | AC LINE CONDUCTED (BACK) |

CONFIGURATON 4: OPERATING MODE WITH Apple Watch (1.778MHz)

AC LINE CONDUCTED (FRONT)	**AC LINE CONDUCTED (BACK)**

2.3.   WPT RADIATED RF MEASUREMENT SETUP

CONFIGURATION 1: WPT ON STANDBY
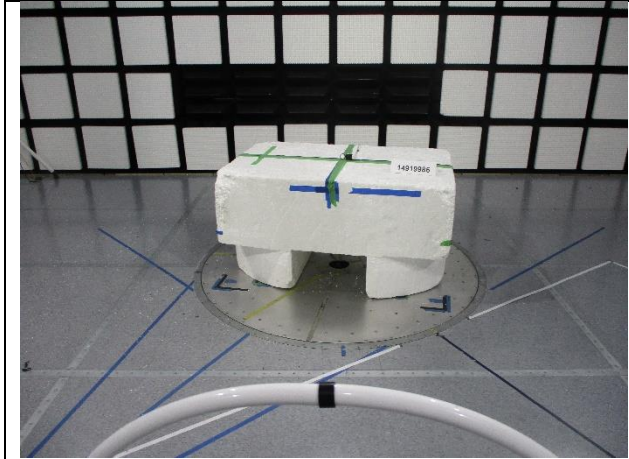
BELOW 30 MHz (FRONT)
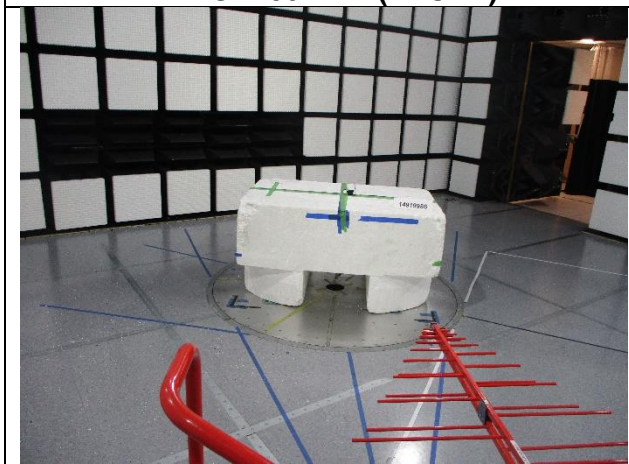
BELOW 30 MHz (BACK)
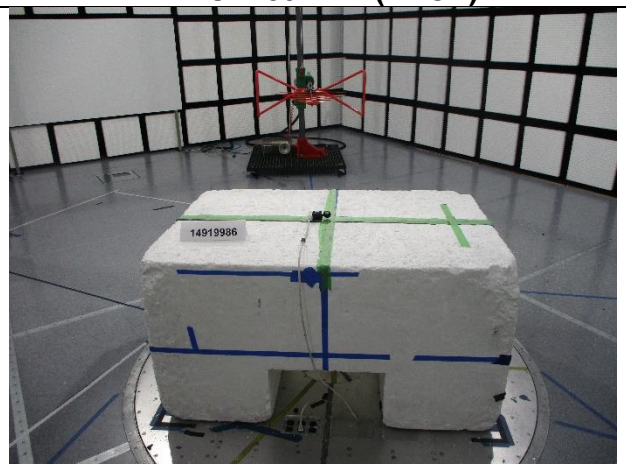
BELOW 1GHz (FRONT)

BELOW 1GHz (BACK)

CONFIGURATION 2: OPERATING MODE WITH Apple Watch (326.5kHz)
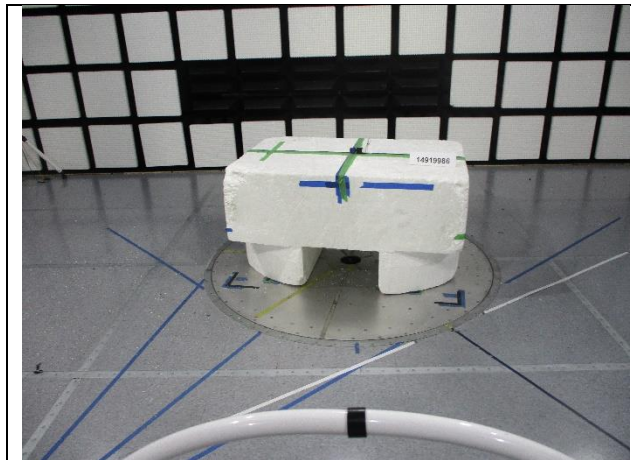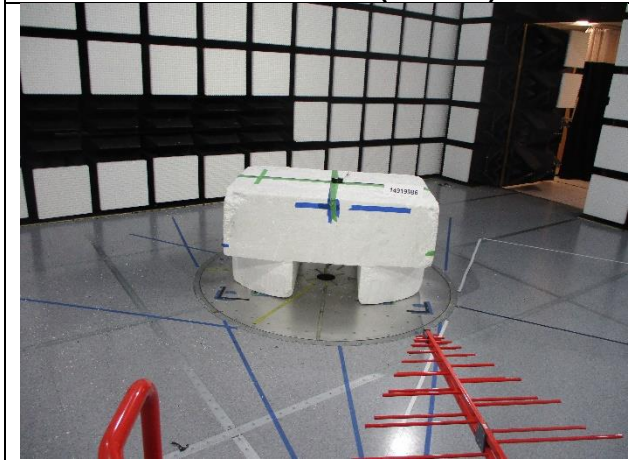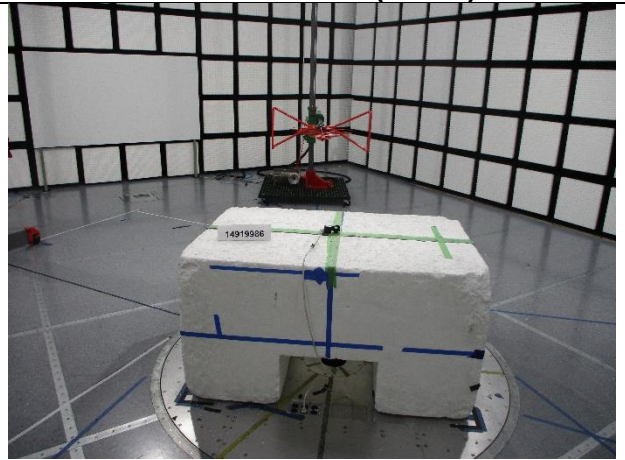

BELOW 30 MHz (FRONT)
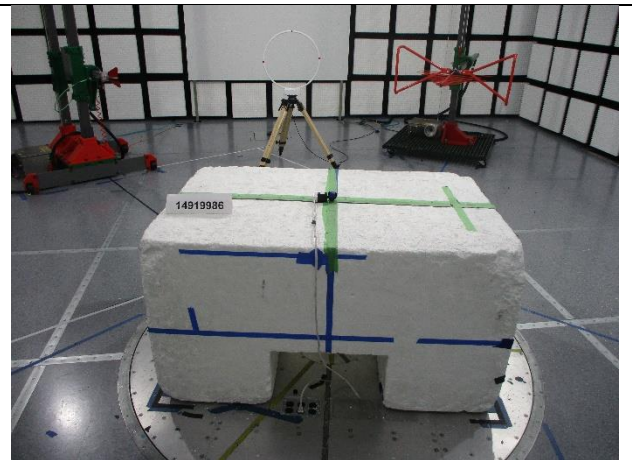
BELOW 30 MHz (BACK)

CONFIGURATION 3: OPERATING MODE WITH Apple Watch (1.778MHz)
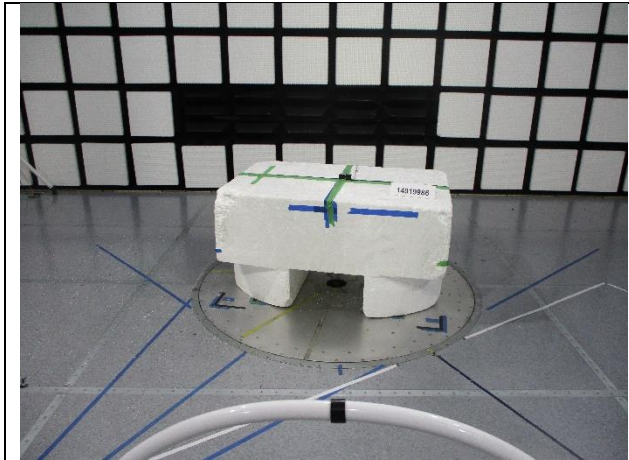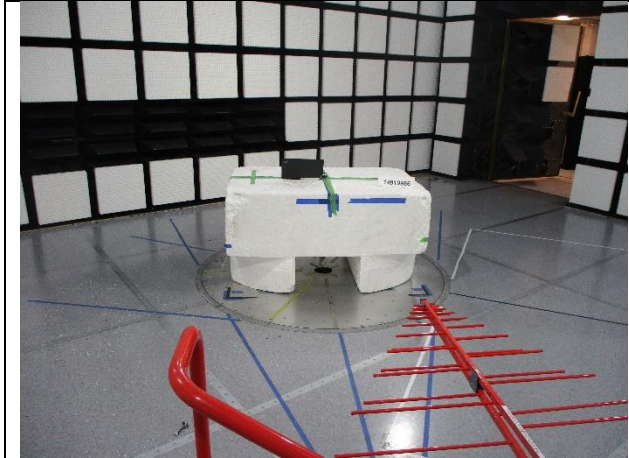

BELOW 30 MHz (FRONT)
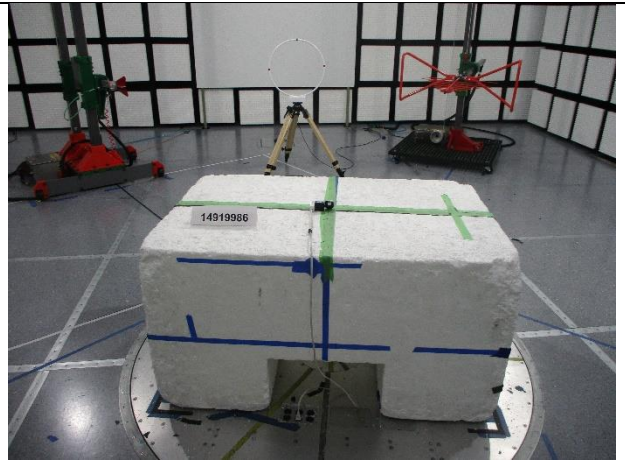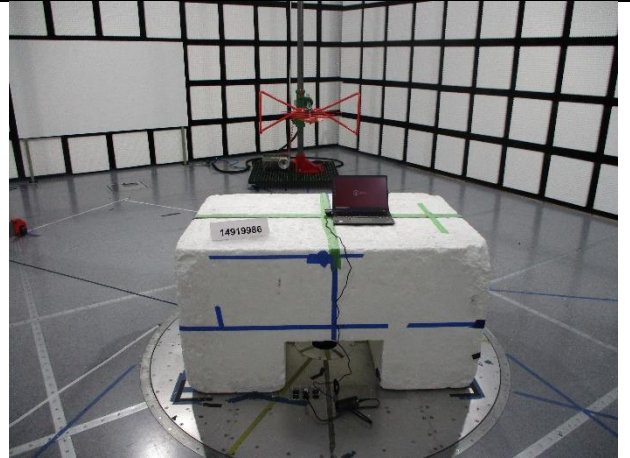

BELOW 30 MHz (BACK)

BELOW 1GHz (FRONT)

BELOW 1GHz (BACK)

CONFIGURATION 4: OPERATING MODE WITH Apple Watch (1.778MHz)

BELOW 1GHz (FRONT)

BELOW 1GHz (BACK)

# 3. RF EXPOSURE (14919986-E2 Report)

3.1. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT				
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC
AC/DC Adapter	Belkin	A843-200150C-US1	N/A	DoC
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
Legacy Apple Watch	Apple	A1554	FHLPNJQEG9J6	BCG-E2871
Legacy Apple Watch	Apple	A2092	FHLZM8YQMLTK	BCG-A092
Legacy Apple Watch SE	Apple	A2722	KNYPMV99QX	BCG- A2722

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

MEASUREMENT SETUP

The measurements were taken using a probe placed 15 cm (as worse case) surrounding the device and 20 cm above the top surface for all configurations on each individual coil per KDB 680106 D01. 1.85cm is compensated when measuring the 15cm or 20cm distance during testing.

E- field and H-field are evaluated at the center of the probe (which is 18.5mm above the surface of its tip).
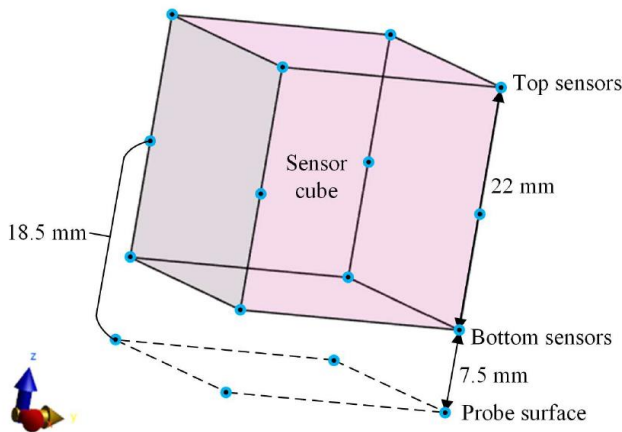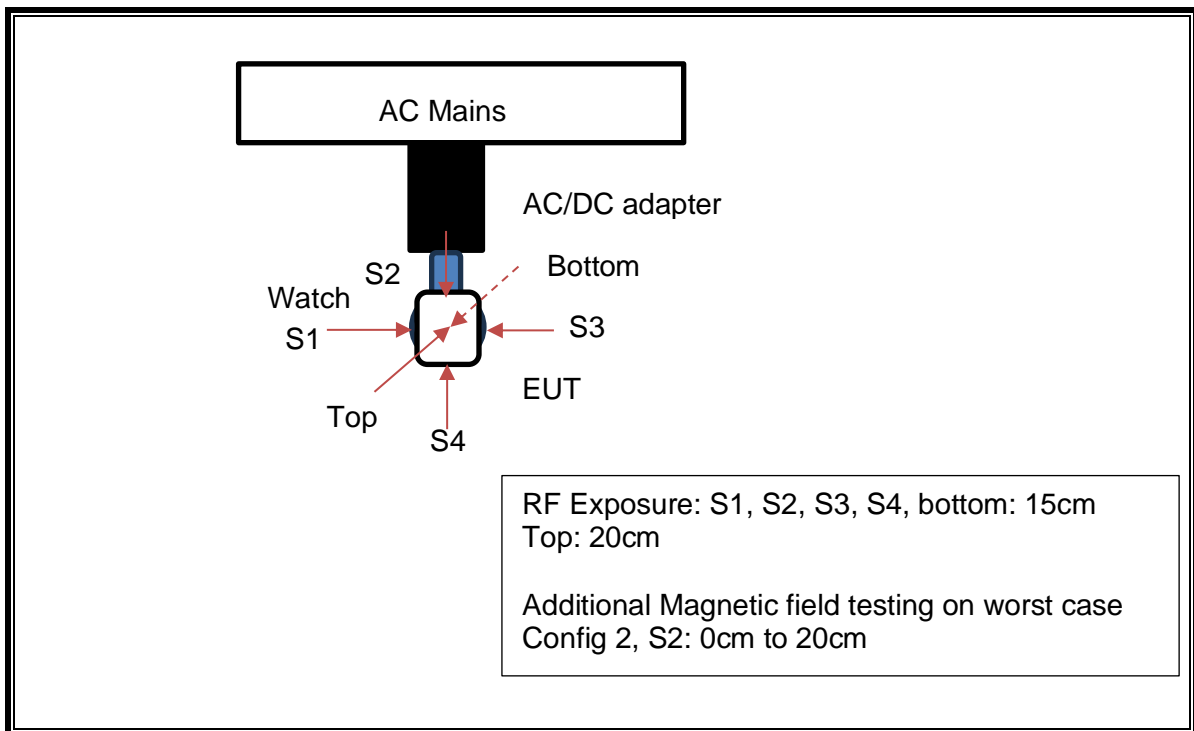
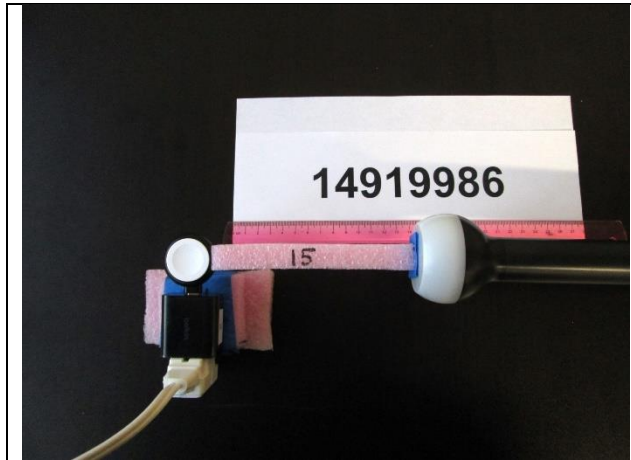## TEST SETUP BLOCK DIAGRAM

CONFIGURATION 1: WPT ON STANDBY
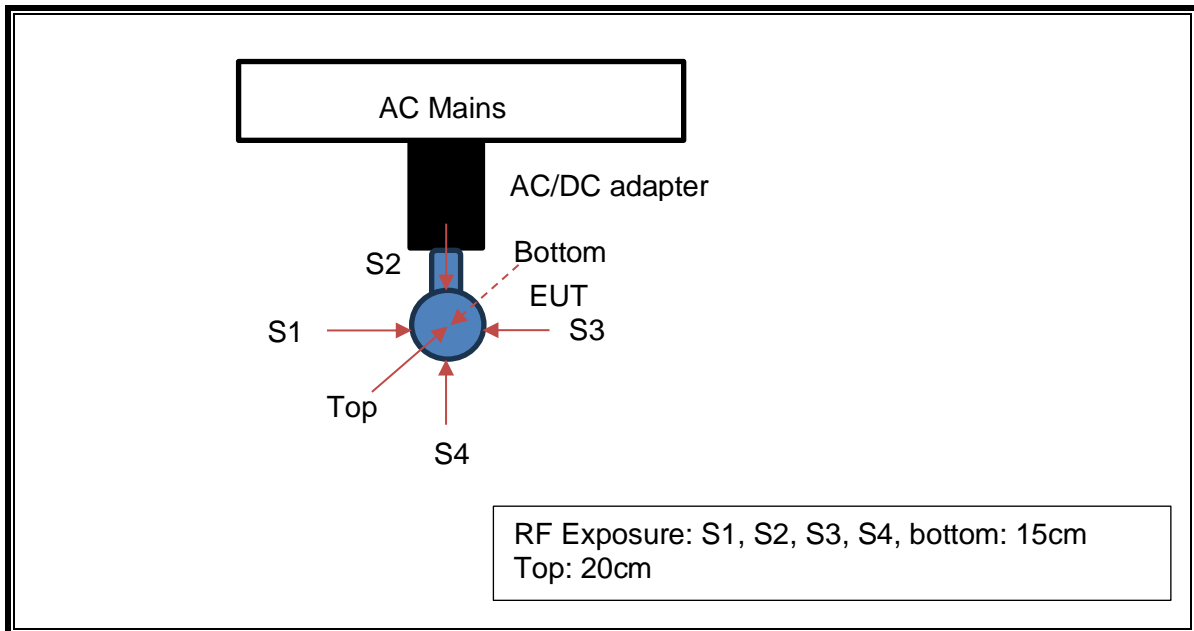
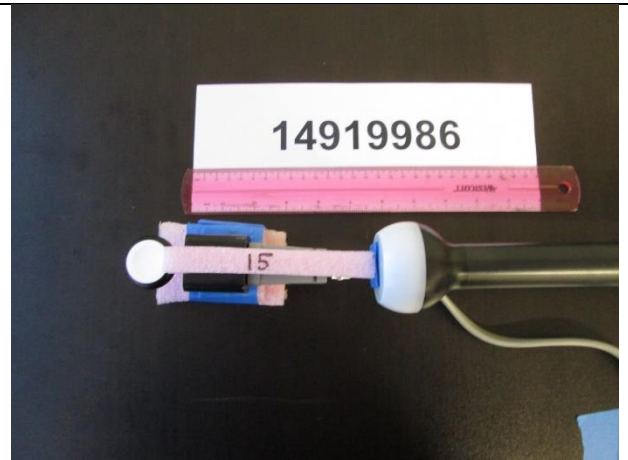### CONFIGURATION 2/3: OPERATING MODE WITH Apple Watch
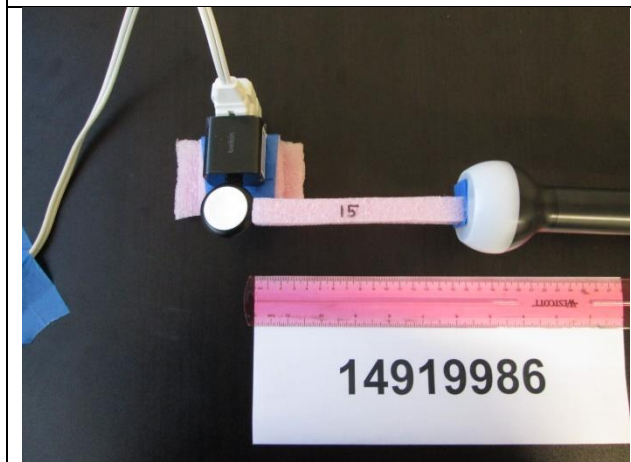
3.2.   RF EXPOSURE SETUP PHOTO

CONFIGURATION 1: WPT ON STANDBY

S1

S2

S3

S4
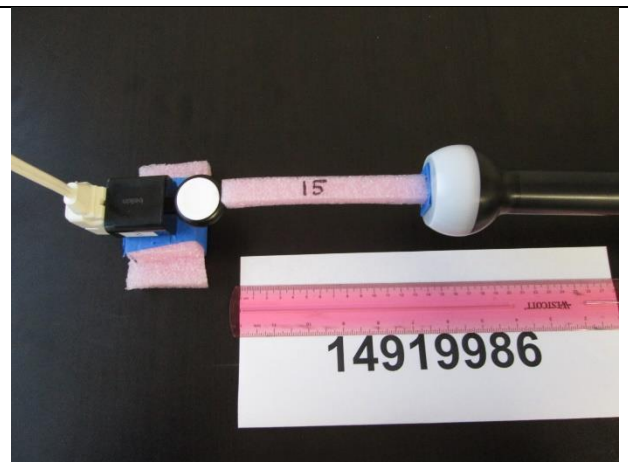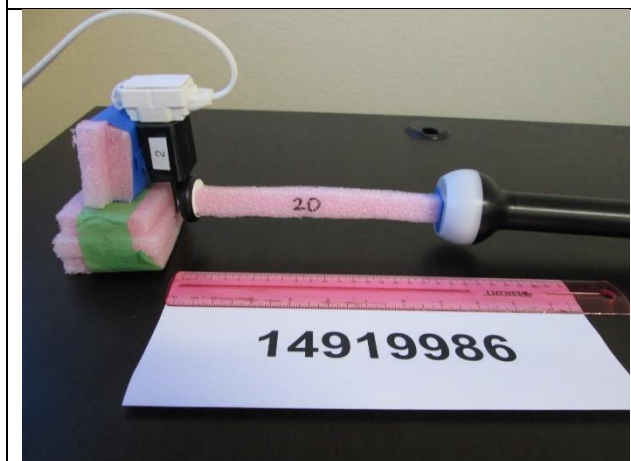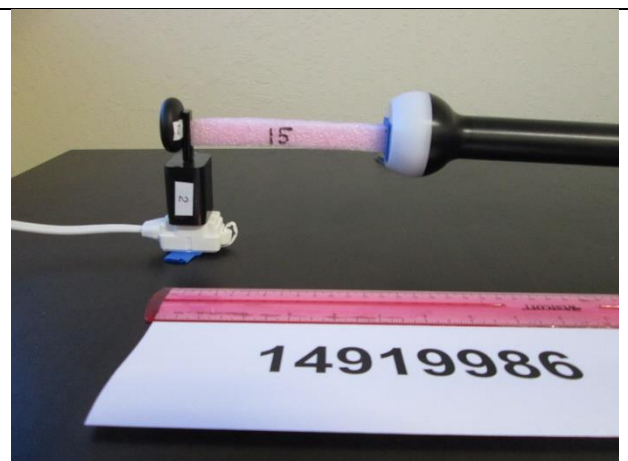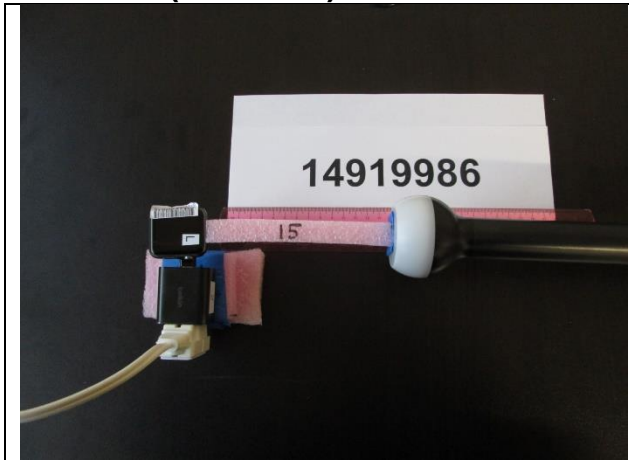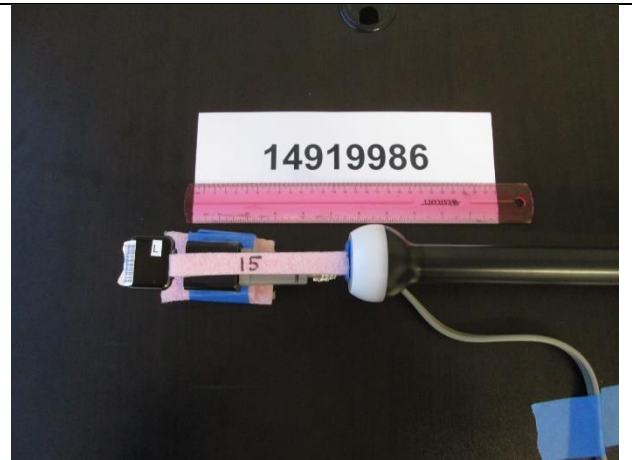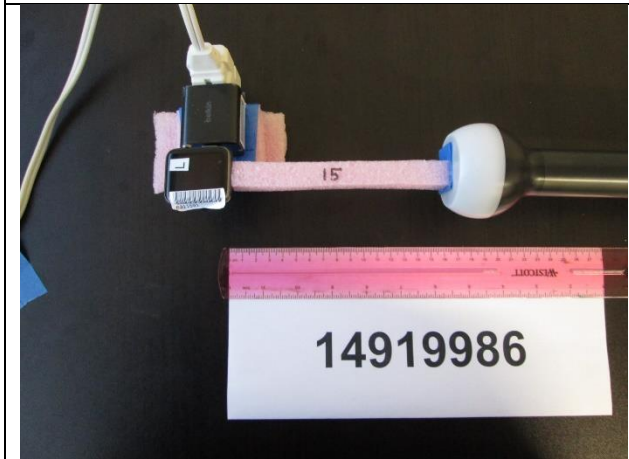

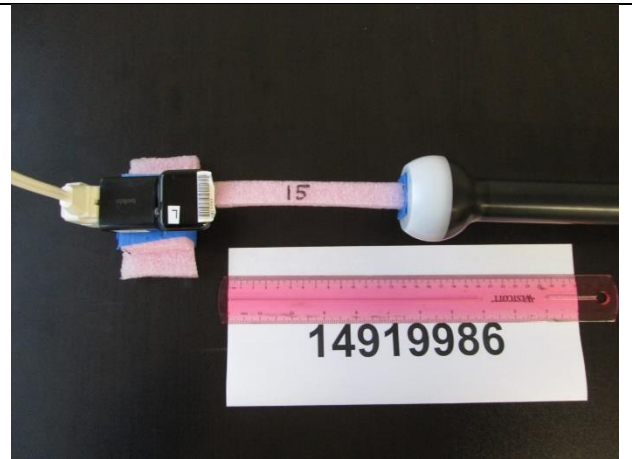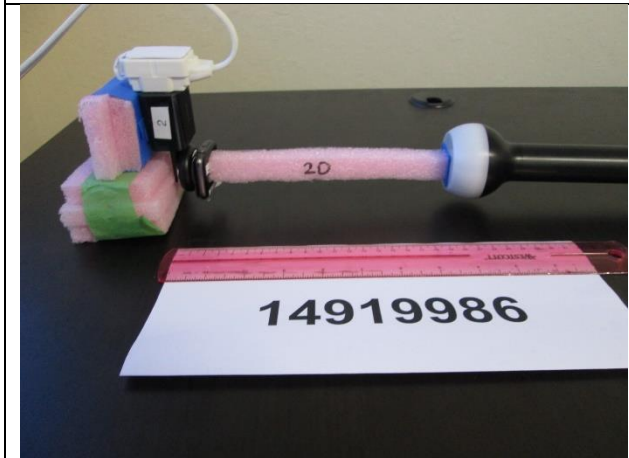
Top

Bottom

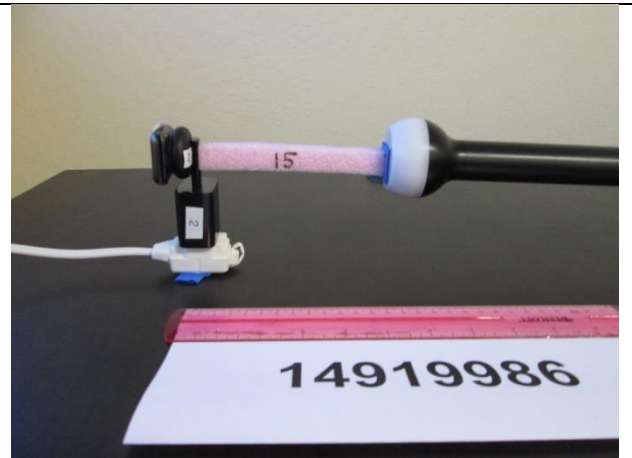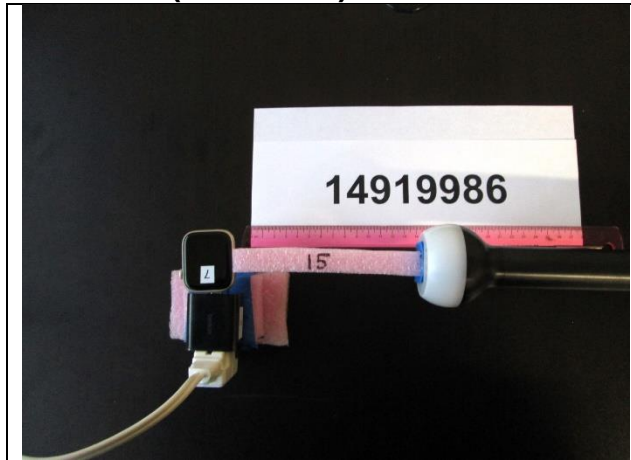## CONFIGURATION 2: OPERATING MODE WITH Apple Watch (326.5kHz)

S1

S2

S3

S4

Top

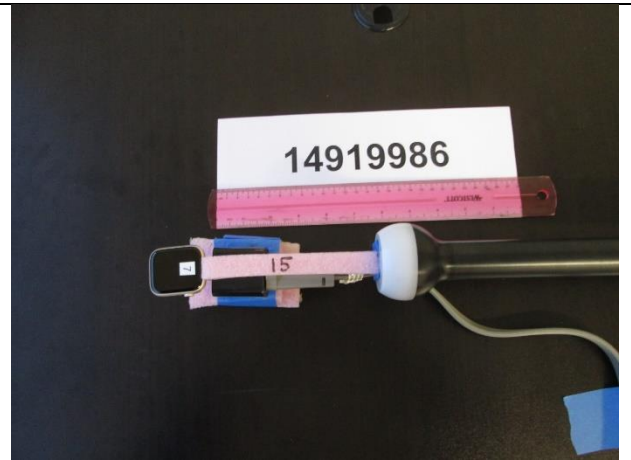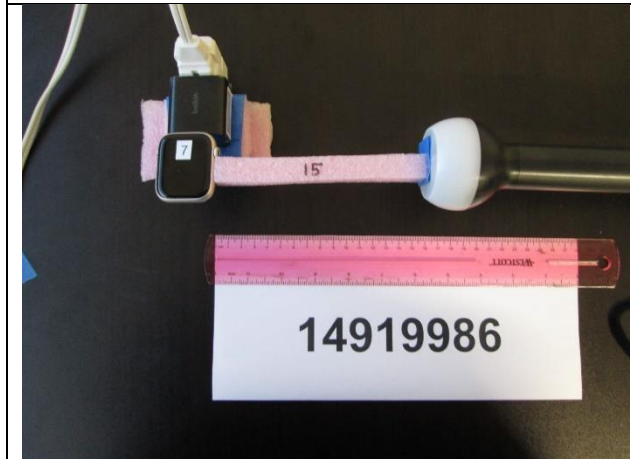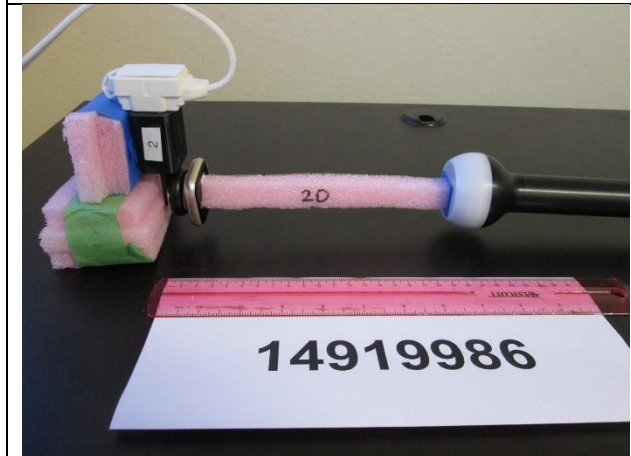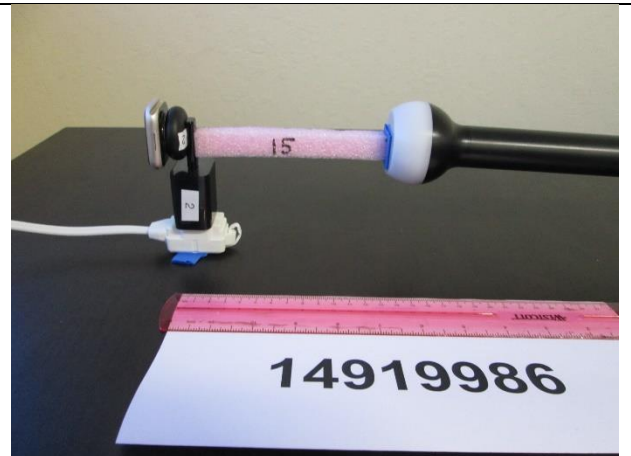**Bottom**

CONFIGURATION 3: OPERATING MODE WITH Apple Watch (1.778MHz)

S1

S2

S3

S4

Top

Bottom

END OF REPORT