Report Number: 14118885-EP1V2

1. SCOPE

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

Reports
14118885-E1 FCC WPT Report
14118885-E2 FCC WPT RF Exposure Report

2. WPT TECHNOLOGY (14118885-E1 Report)

2.1. DESCRIPTION OF TEST SETUP

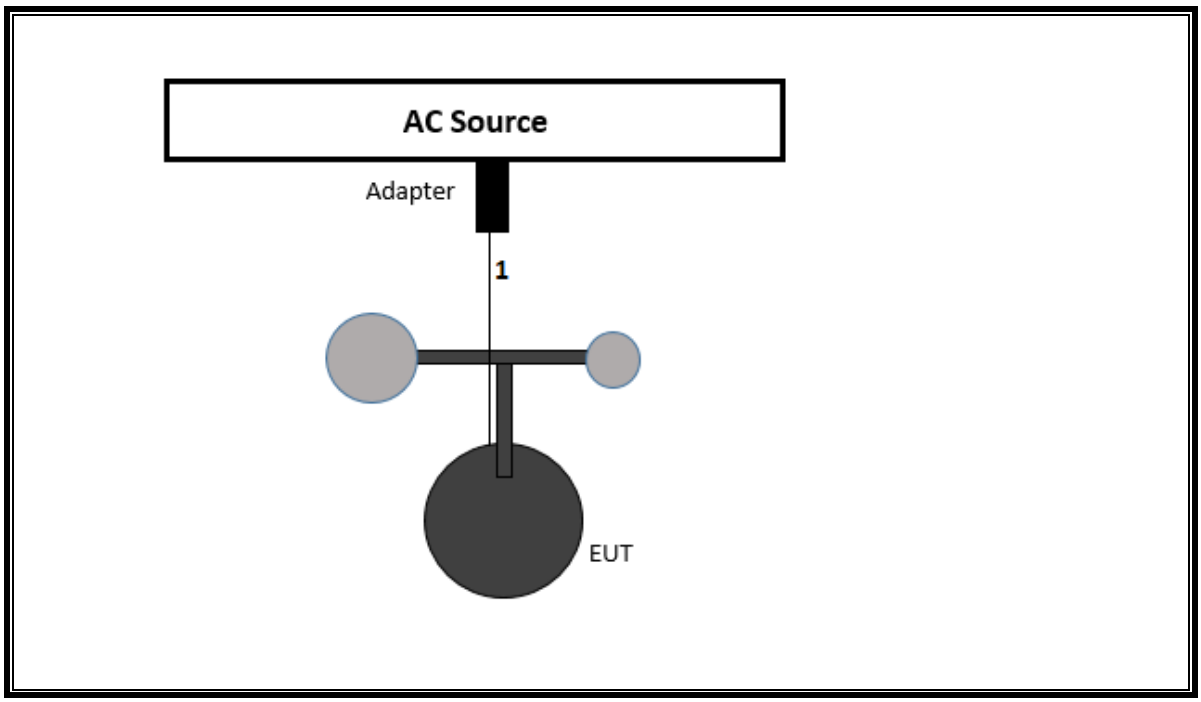
SUPPORT TEST EQUIPMENT				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID/ DoC**
AC/DC adapter	Belkin	2ACR040G NJ	N/A	DoC
Apple Watch	Apple	A2477	JCXW12XMW5	BCG-A2477
Apple Watch	Apple	A2476	GT27CP24C9	BCG-A2476
Apple Watch	Apple	A2474	FFW3V72W9R	BCG-A2474
Legacy Apple Watch Series 4	Apple	A1977	FH7XG2HZKDH2	BCG-A1977
Legacy Apple Watch 1st Generation	Apple	A1554	FHLPLLZFG9J8	BCG-E2871
Legacy Apple Watch Series 5	Apple	A2092	FHLZM8YQMLTK	BCG-A2092
iPhone 12 Pro Max	Apple	A2342	F2LFKP3R0D41	BCG-E3548A
iPhone 12 Pro Max	Apple	A2342	F2LFL6760D41	BCG-E3548A
iPhone 11	Apple	A2111	C6KZHK1XN72J	BCG-E3309A
iPhone X	Apple	A1901	G6TVJ7H8JCLH	BCG-E3175A
AirPods (AirPods Case A1938)	Apple	A2031	H7GDX95ZJMMT	BCG-A2031
AirPods (AirPods Case A1938)	Apple	A2031	H7GDXCR1JMMT	BCG-A2031
AirPods (AirPods Case A1938)	Apple	A2031	H7GDXCPQJMMT	BCG-A2031
AirPods (AirPods Case A1938)	Apple	A2031	H7GDW039JMMT	BCG-A2031
AirPods (AirPods Case A1938)	Apple	A2031	H7GDW12PJMMT	BCG-A2031
AirPods (AirPods Case A1938)	Apple	A2031	H7GDW2MUJMMT	BCG-A2031
AirPods Pro (AirPods Pro Case A2190)	Apple	A2084	H7CDM8C00C6L	BCG-A2084
AirPods Pro (AirPods Pro Case A2190)	Apple	A2084	H7CDMAEH0C6L	BCG-A2084
AirPods Pro (AirPods Pro Case A2190)	Apple	A2084	H32DW5EP0C6L	BCG-A2084

I/O CABLES (AC LINE CONDUCTED)						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	DC	1	DC Jack	Un-shielded	1.2	-

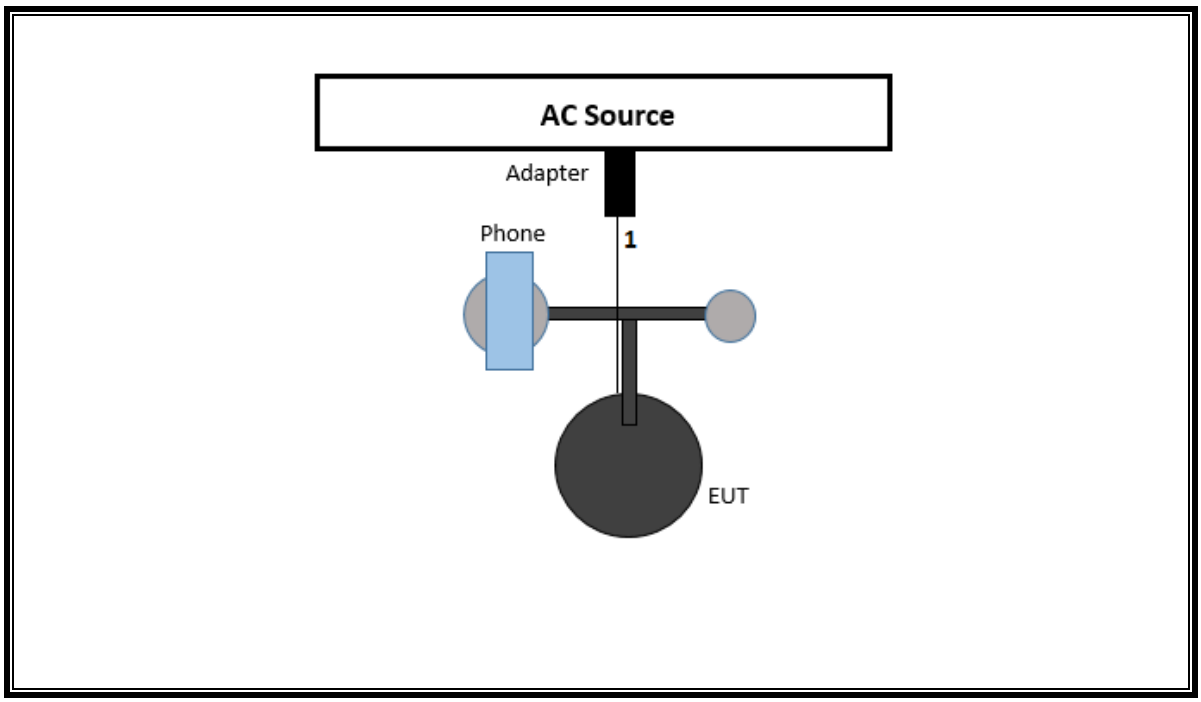
TEST SETUP

The EUT is directly connected to an AC/DC adapter via DC jack cable.
All testing is based on direct contact and no position shift due to magnet embedded in charger pad. The legacy phone and AirPods Case are placed at the maximum power position during the testing.

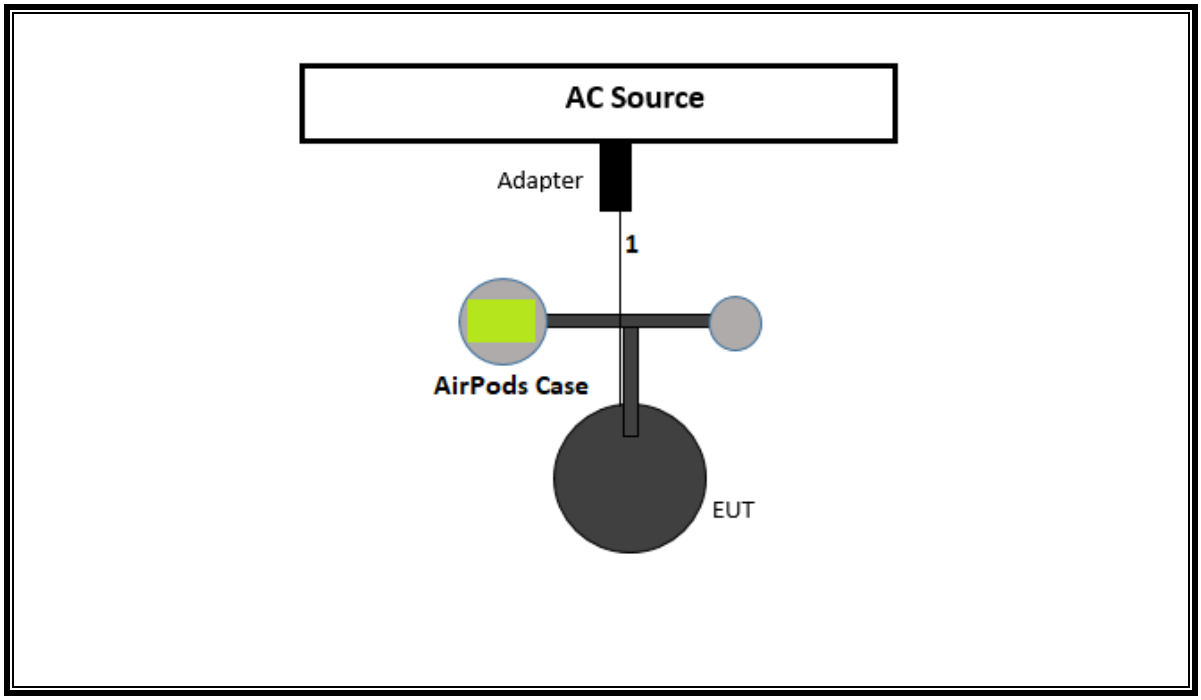
CONFIGURATION 1: STANDBY MODE



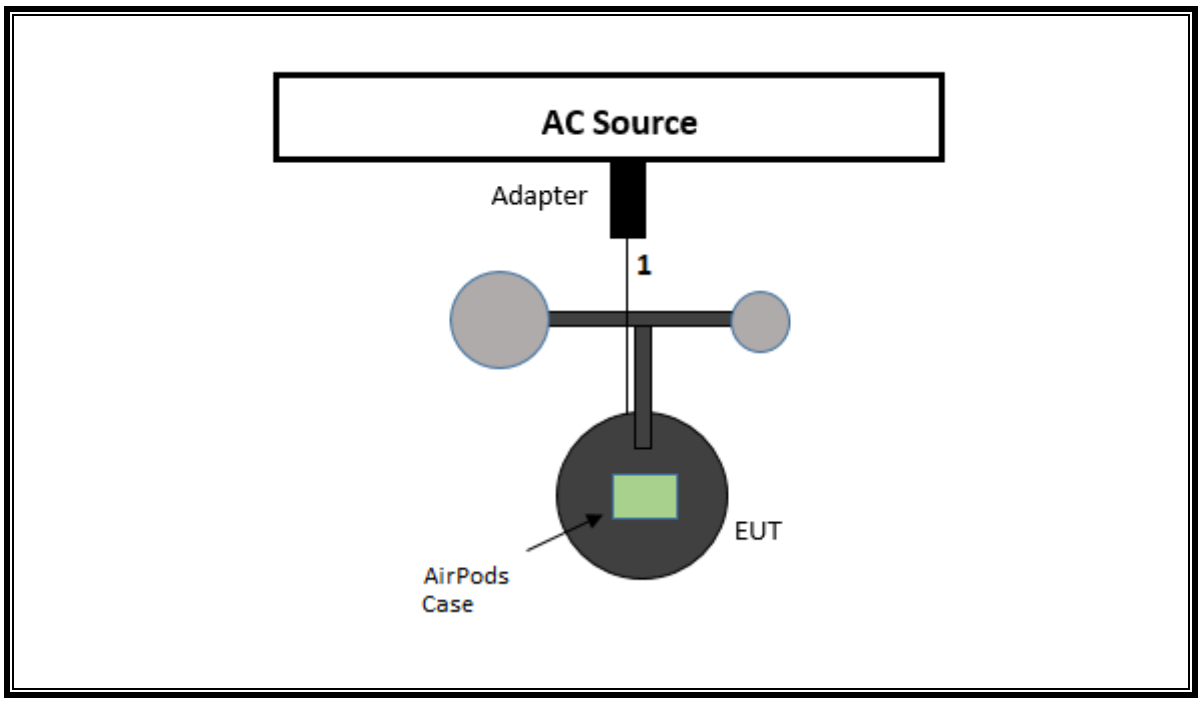
CONFIGURATION 2/3: OPERATING MODE WITH PHONE



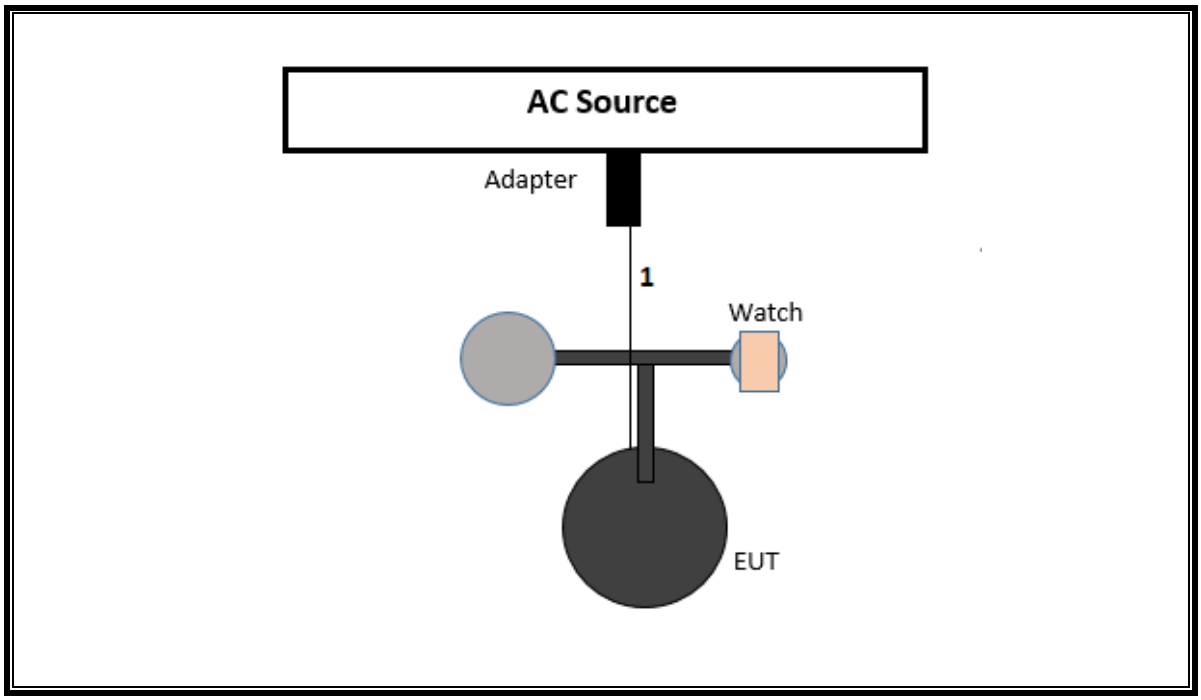
CONFIGURATION 4: OPERATING MODE WITH AIRPODS PRO CASE



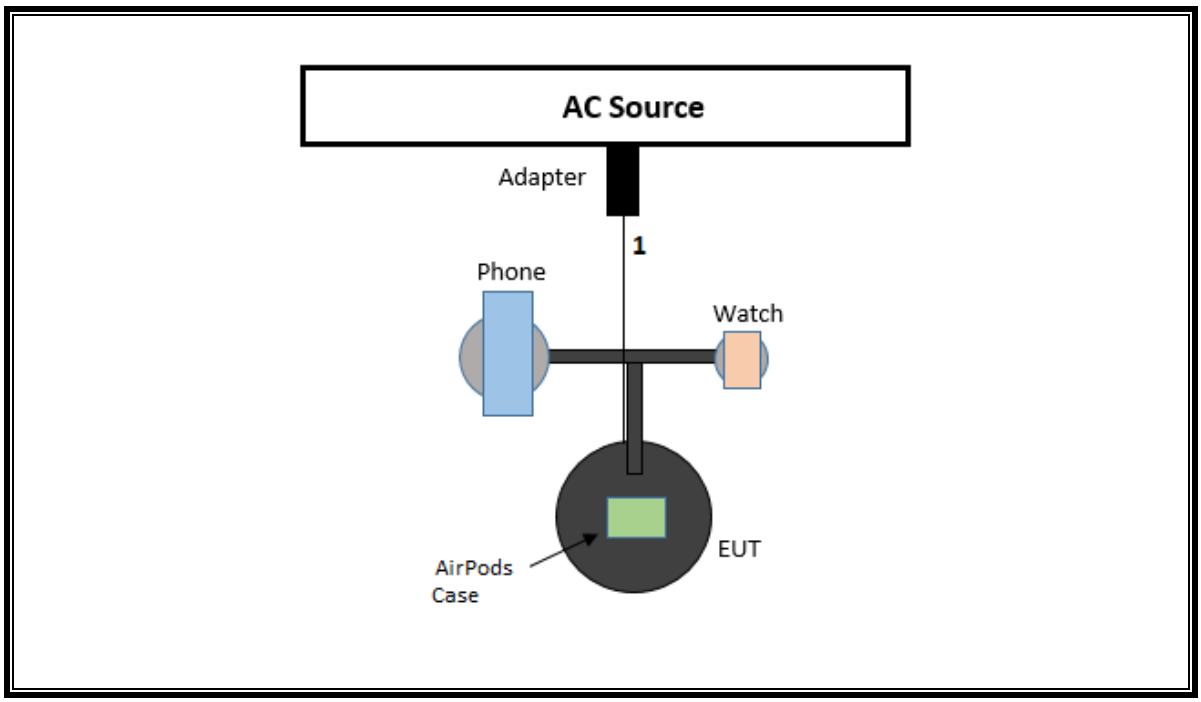
CONFIGURATION 5: OPERATING MODE WITH AIRPODS CASE



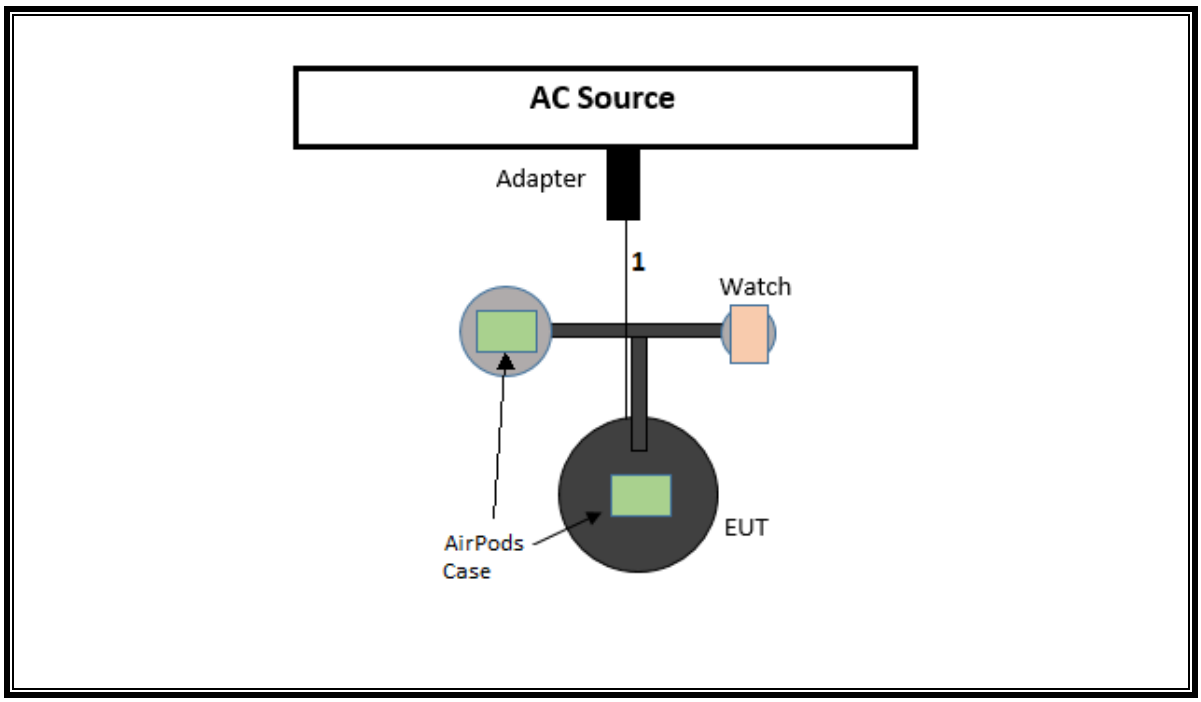
CONFIGURATION 6/7: OPERATING MODE WITH WATCH



CONFIGURATION 8/9/10/11: OPERATING MODE WITH PHONE + AIRPODS CASE + WATCH

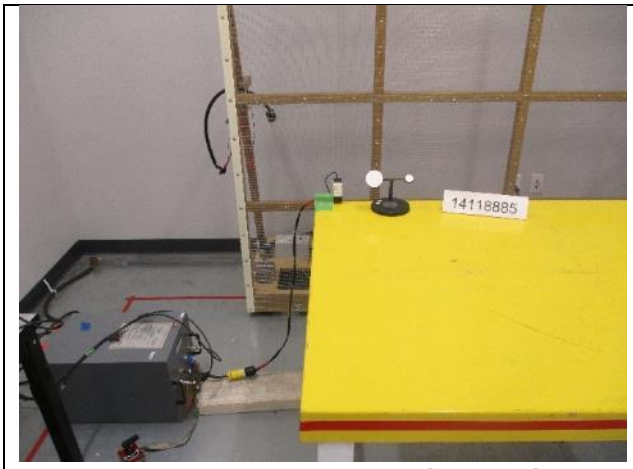
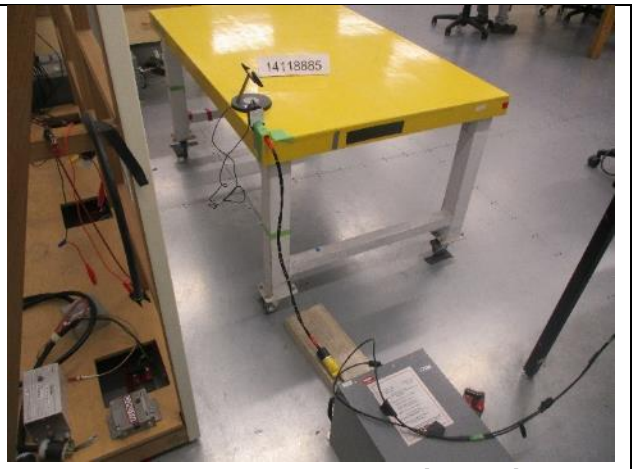


CONFIGURATION 12/13: OPERATING MODE WITH AIRPODS PRO CASE + AIRPODS CASE + WATCH

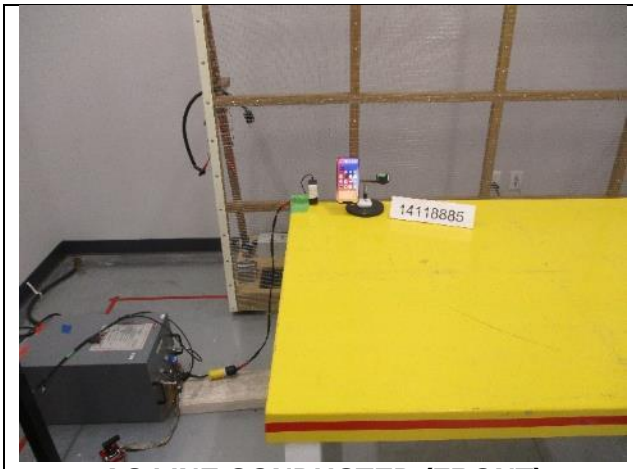
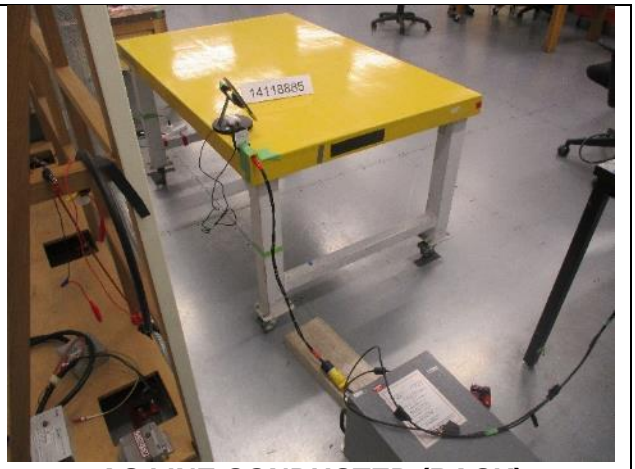


2.2. AC LINE CONDUCTED SETUP

2.2.1. CONFIGURATION 1: STANDBY MODE

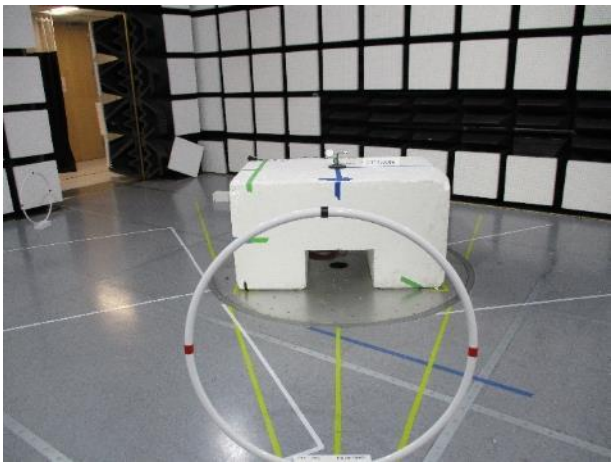
	
AC LINE CONDUCTED (FRONT)	AC LINE CONDUCTED (BACK)

2.2.2. CONFIGURATION 9: OPERATING WITH NEW PHONE + AIRPODS CASE + NEW WATCH

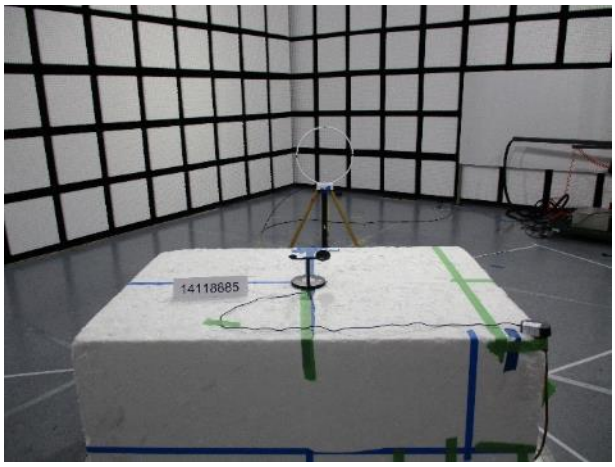
	
AC LINE CONDUCTED (FRONT)	AC LINE CONDUCTED (BACK)

2.3. WPT RADIATED RF MEASUREMENT SETUP

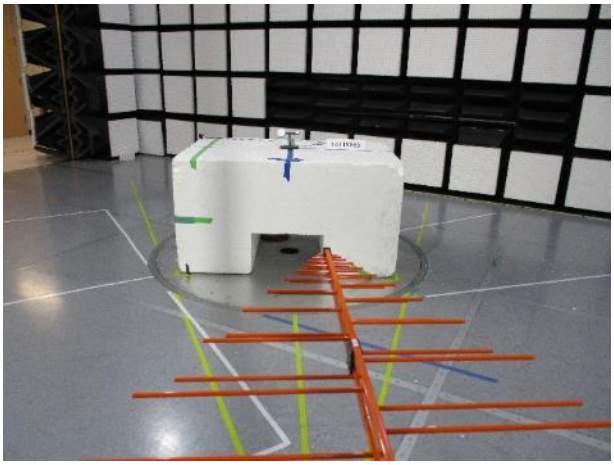
2.3.1. CONFIGURATION 1: STANDBY MODE



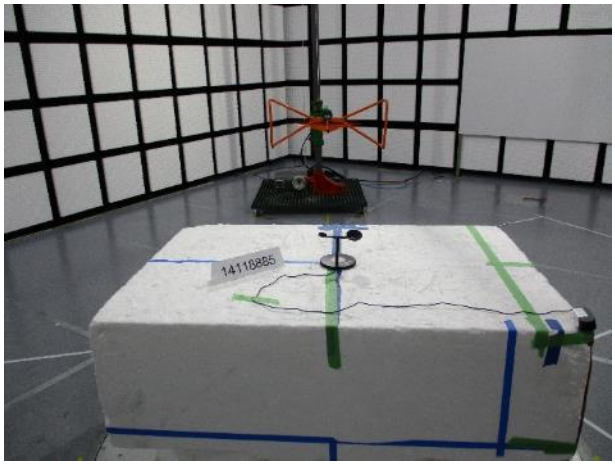
BELOW 30 MHz (FRONT)



BELOW 30 MHz (BACK)

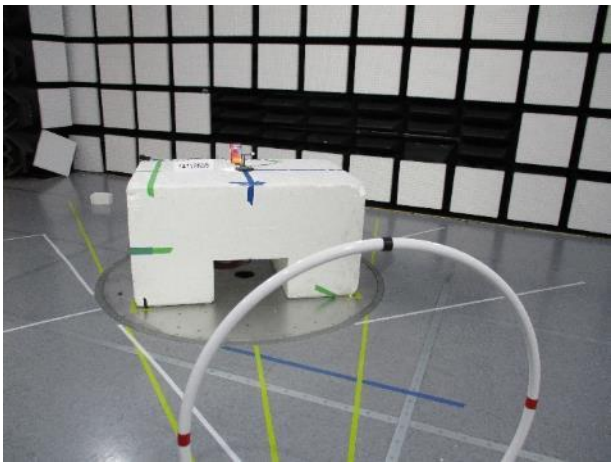


BELOW 1GHz (FRONT)

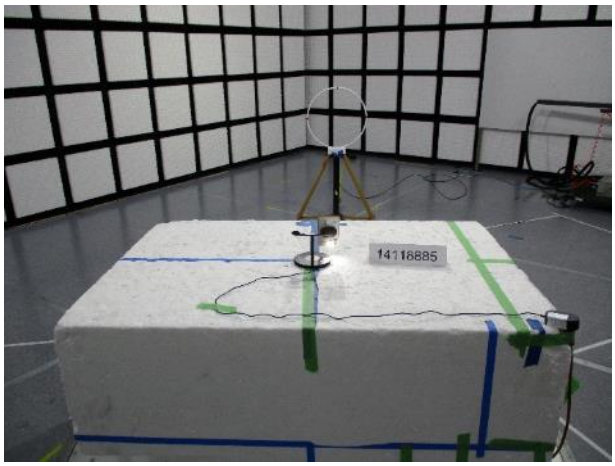


BELOW 1GHz (BACK)

2.3.2. CONFIGURATION 2: OPERATING MODE WITH NEW PHONE

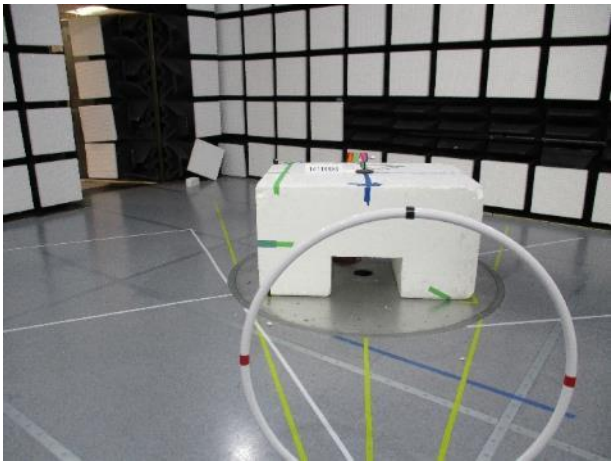


BELOW 30 MHz (FRONT)

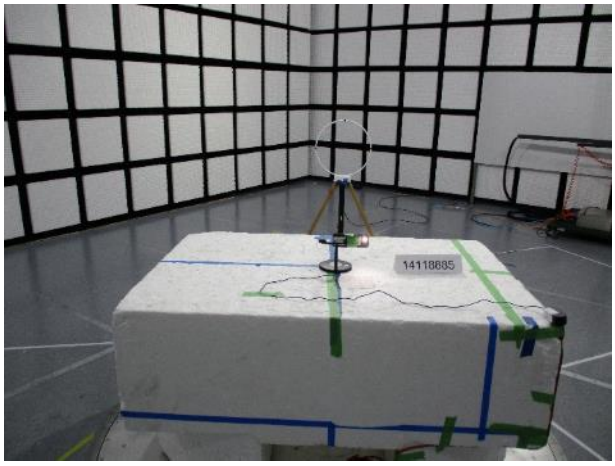


BELOW 30 MHz (BACK)

2.3.3. CONFIGURATION 3: OPERATING MODE WITH LEGACY PHONE

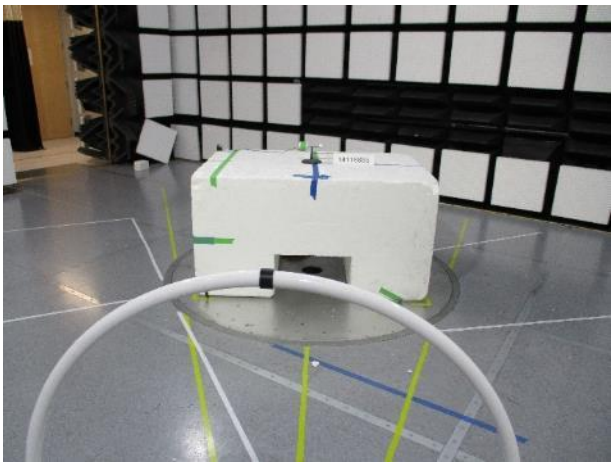
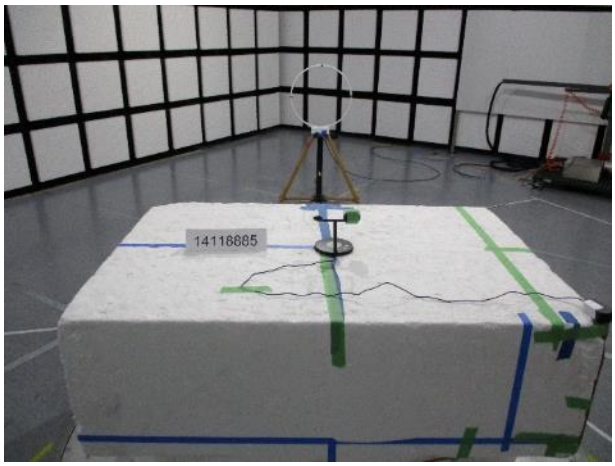


BELOW 30 MHz (FRONT)

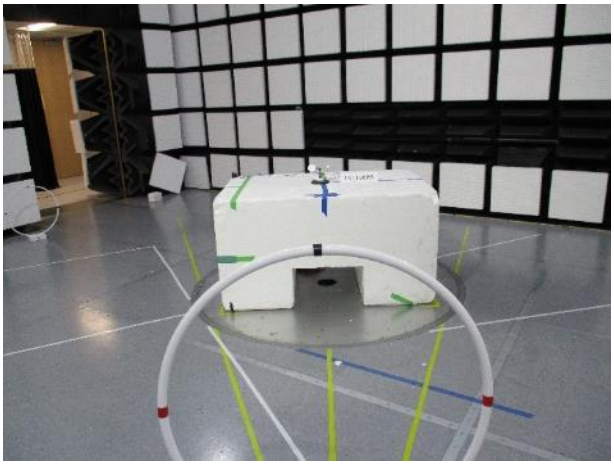
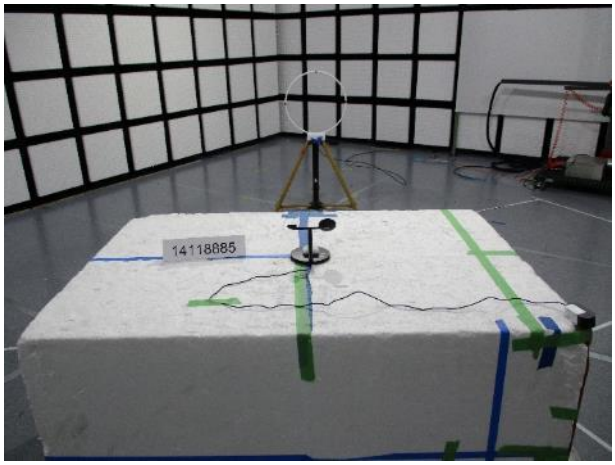


BELOW 30 MHz (BACK)

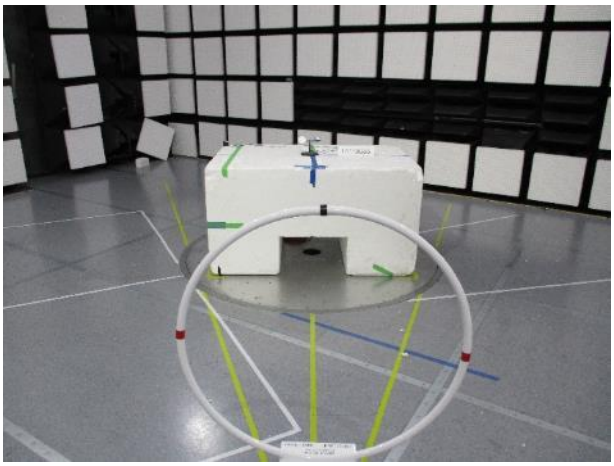
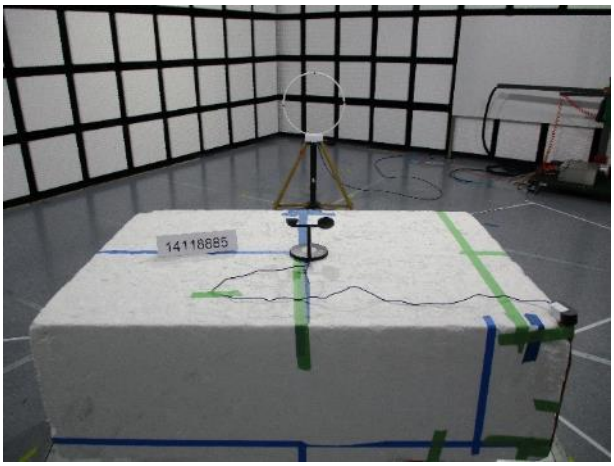
2.3.4. CONFIGURATION 4: OPERATING MODE WITH AIRPODS PRO CASE

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

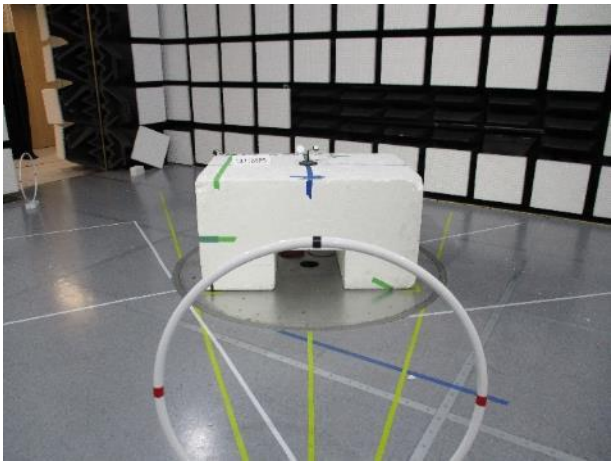
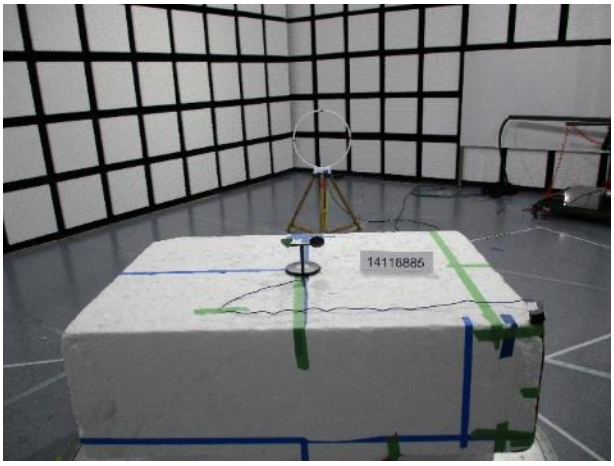
2.3.5. CONFIGURATION 5: OPERATING MODE WITH AIRPODS CASE

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

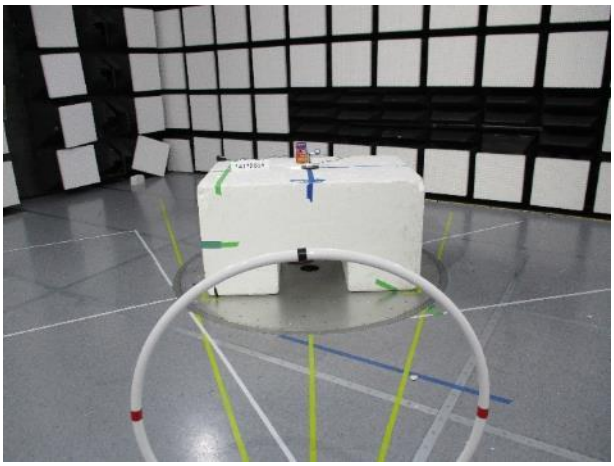
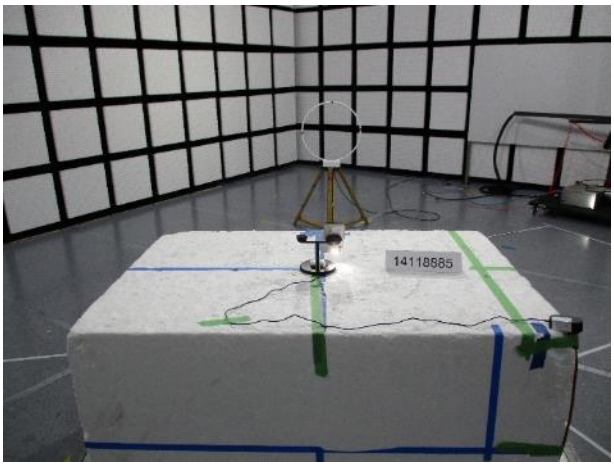
2.3.6. CONFIGURATION 6: OPERATING WITH LEGACY WATCH

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

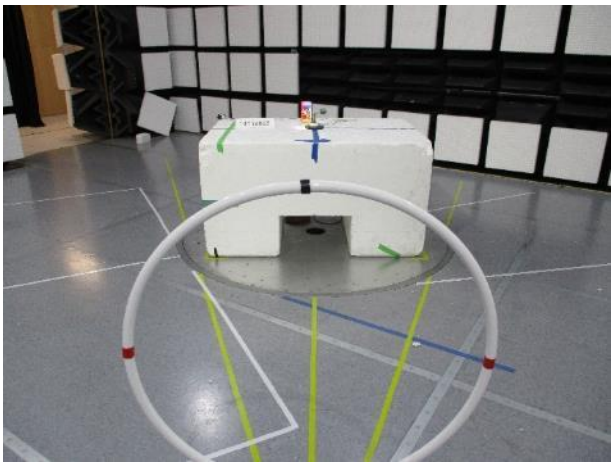
2.3.7. CONFIGURATION 7: OPERATING WITH NEW WATCH

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

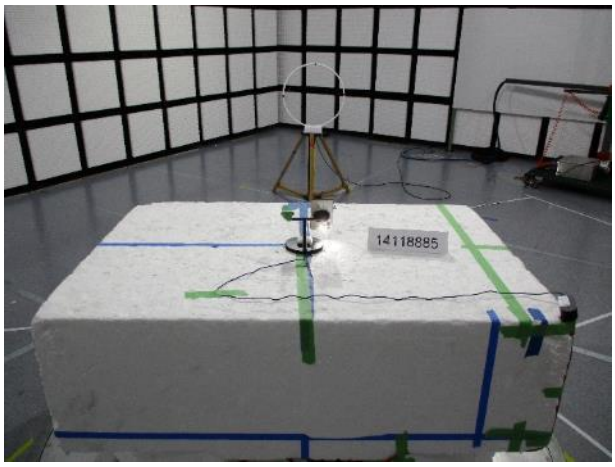
2.3.8. CONFIGURATION 8: OPERATING WITH NEW PHONE + AIRPODS CASE + LEGACY WATCH

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

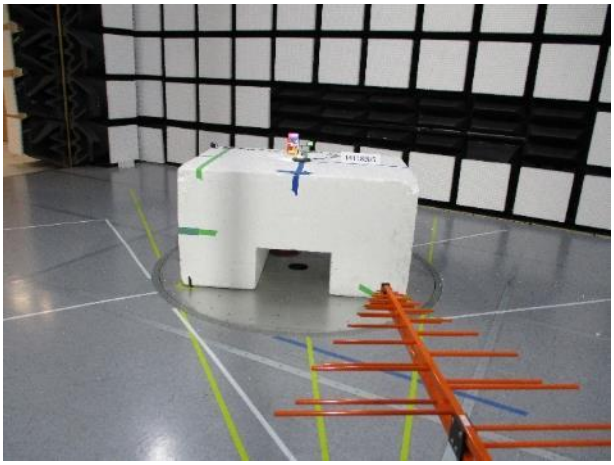
2.3.9. CONFIGURATION 9: OPERATING WITH NEW PHONE + AIRPODS CASE + NEW WATCH



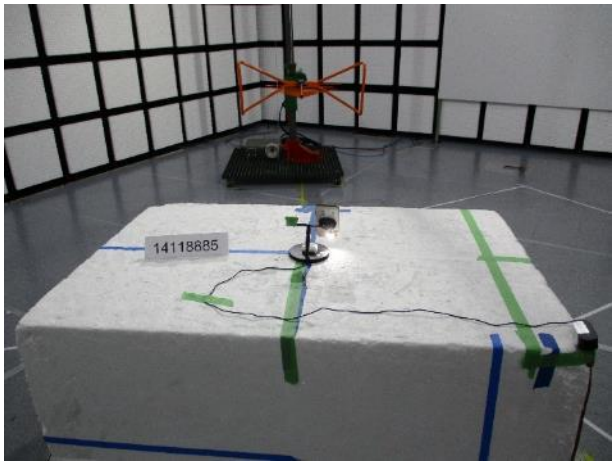
BELOW 30 MHz (FRONT)



BELOW 30 MHz (BACK)

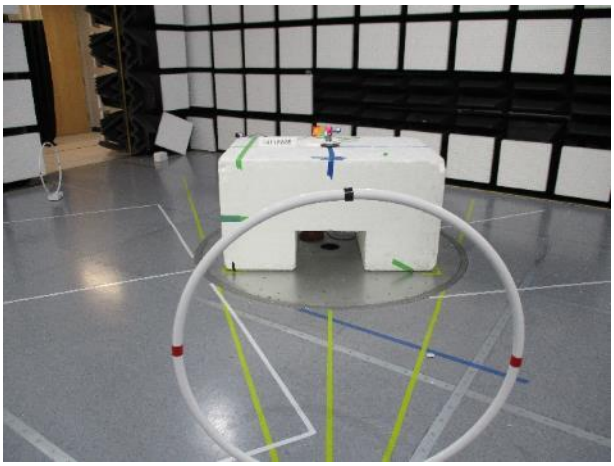
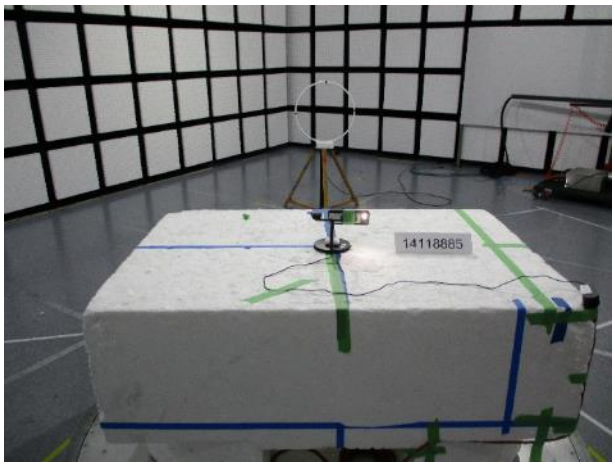


BELOW 1GHz (FRONT)

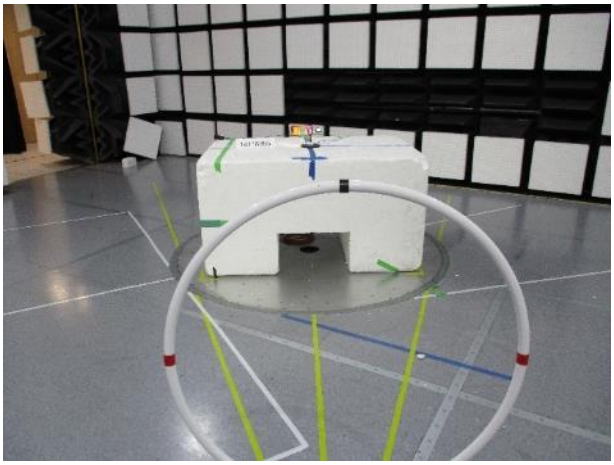
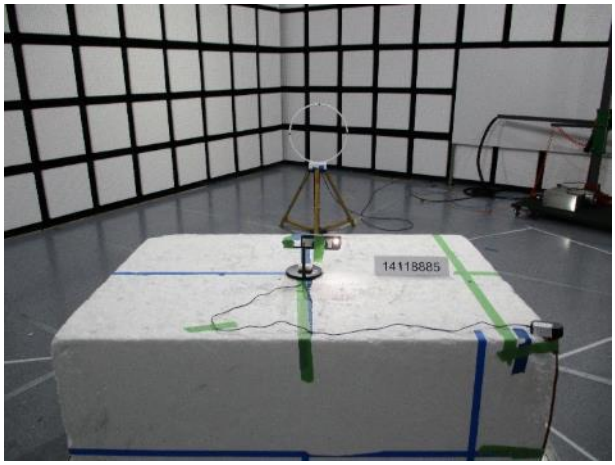


BELOW 1GHz (BACK)

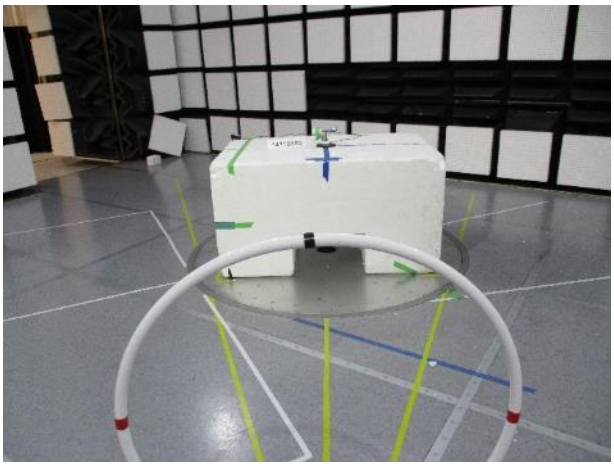
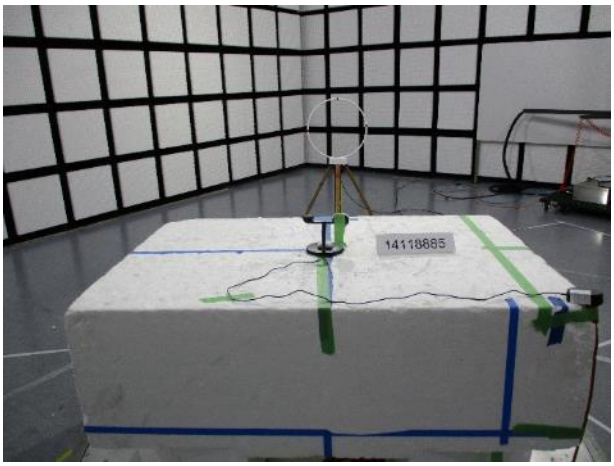
2.3.10. CONFIGURATION 10: OPERATING WITH LEGACY PHONE + AIRPODS CASE + LEGACY WATCH

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

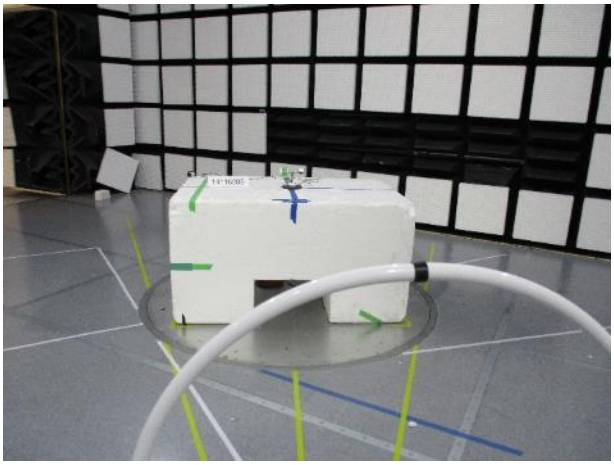
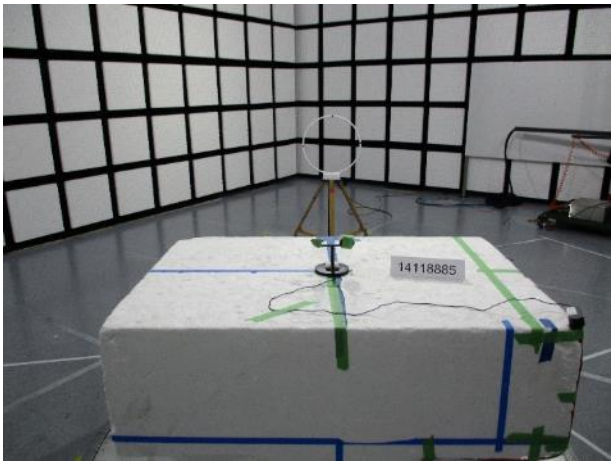
2.3.11. CONFIGURATION 11: OPERATING WITH LEGACY PHONE + AIRPODS CASE + NEW WATCH

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

2.3.12. CONFIGURATION 12: OPERATING WITH AIRPODS PRO CASE + AIRPODS CASE + LEGACY WATCH

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

2.3.13. CONFIGURATION 13: OPERATING WITH AIRPODS PRO CASE + AIRPODS CASE + NEW WATCH

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

3. RF EXPOSURE (14118885-E2 Report)

3.1. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

SUPPORT TEST EQUIPMENT				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID/ DoC**
AC/DC adapter	Belkin	2ACR040G NJ	N/A	DoC
Apple Watch	Apple	A2477	JCXW12XMW5	BCG-A2477
Apple Watch	Apple	A2476	GT27CP24C9	BCG-A2476
Apple Watch	Apple	A2474	FFW3V72W9R	BCG-A2474
Legacy Apple Watch Series 4	Apple	A1977	FH7XG2HZKDH2	BCG-A1977
Legacy Apple Watch 1st Generation	Apple	A1554	FHLPLLZFG9J8	BCG-E2871
Legacy Apple Watch Series 5	Apple	A2092	FHLZM8YQMLTK	BCG-A2092
iPhone 12 Pro Max	Apple	A2342	F2LFKP3R0D41	BCG-E3548A
iPhone 12 Pro Max	Apple	A2342	F2LFL6760D41	BCG-E3548A
iPhone 11	Apple	A2111	C6KZHK1XN72J	BCG-E3309A
iPhone X	Apple	A1901	G6TVJ7H8JCLH	BCG-E3175A
AirPods Pro (AirPods Pro Case A2190)	Apple	A2084	H7CDM8C00C6L	BCG-A2084
AirPods Pro (AirPods Pro Case A2190)	Apple	A2084	H7CDMAEH0C6L	BCG-A2084
AirPods Pro (AirPods Pro Case A2190)	Apple	A2084	H32DW5EP0C6L	BCG-A2084

I/O CABLES (AC LINE CONDUCTED)						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	DC	1	DC Jack	Un-shielded	1.2	-

TEST SETUP

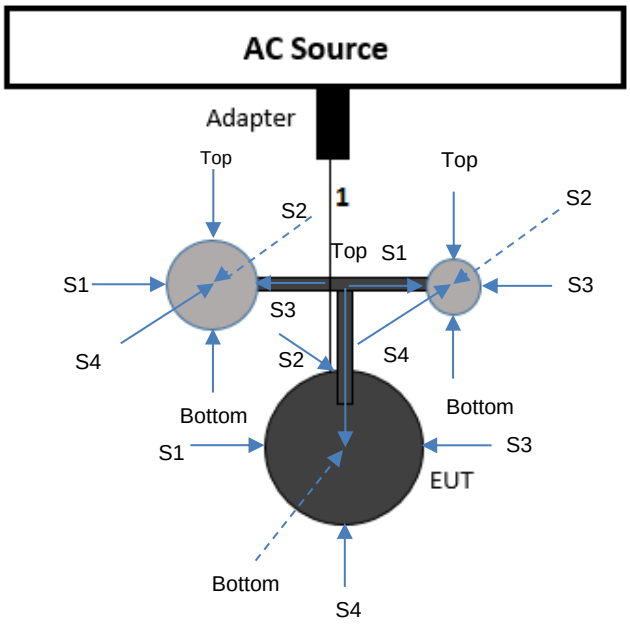
The following configurations are tested, The EUT is directly connected to an AC/DC adapter via DC jack cable.

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.

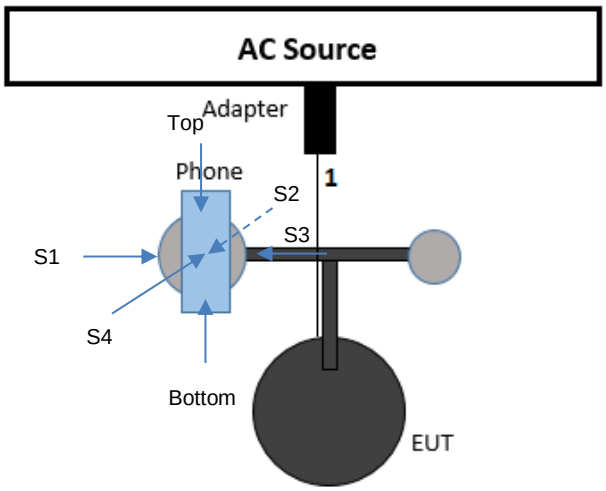
Measurement distance is determined from the center of the probe to the EUT.

CONFIGURATION 1: STANDBY MODE



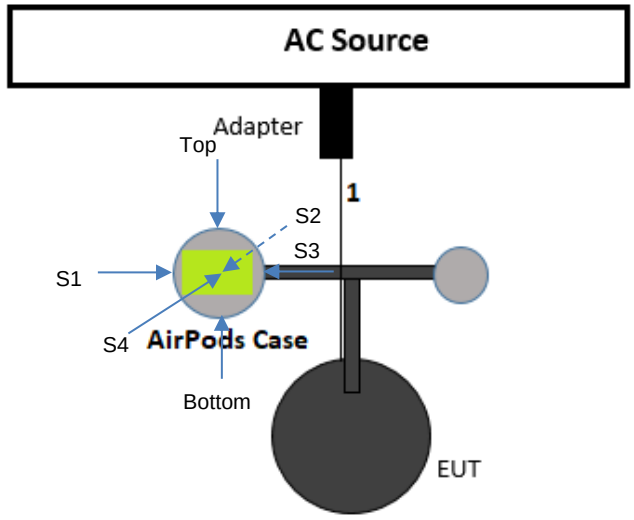
S1, S2, S3, S4, Bottom: 15cm
Top: 20cm

CONFIGURATION 2/3: OPERATING MODE WITH PHONE



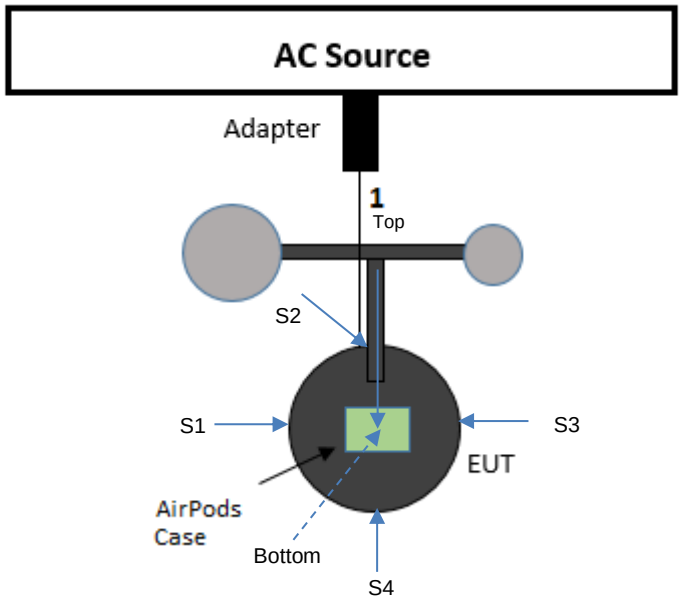
S1, S2, S3, S4, Bottom: 15cm
Top: 20cm

CONFIGURATION 4: OPERATING MODE WITH AIRPODS PRO CASE



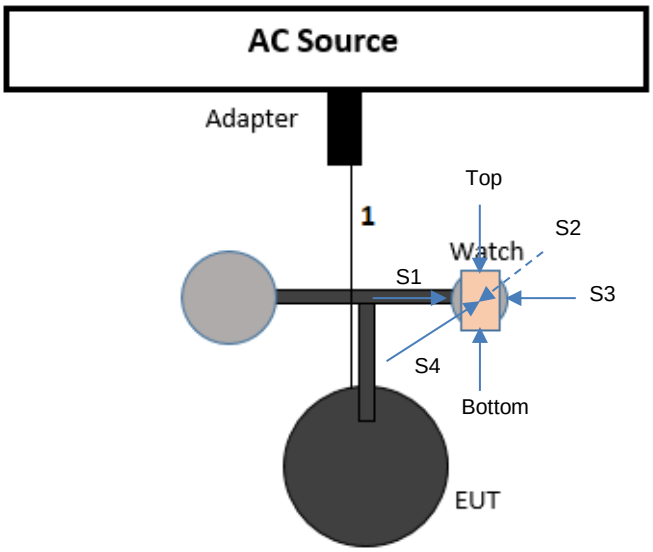
S1, S2, S3, S4: 15cm
Top: 20cm

CONFIGURATION 5: OPERATING MODE WITH AIRPODS PRO CASE



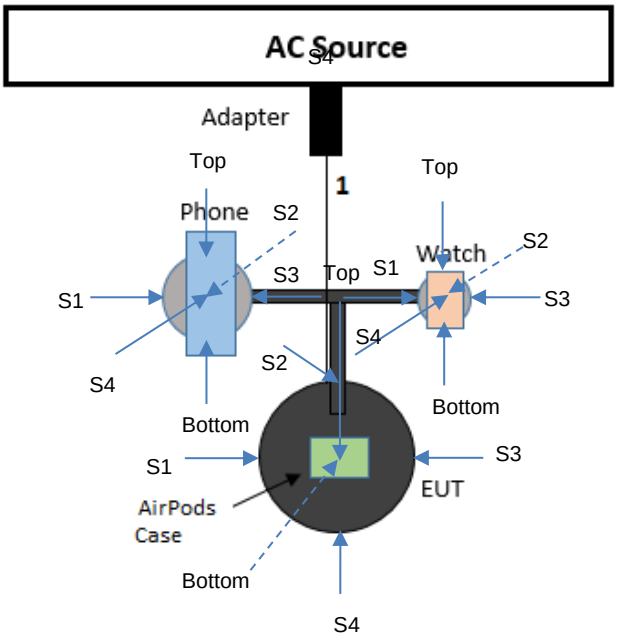
S1, S2, S3, S4: 15cm
Top: 20cm

CONFIGURATION 6/7: OPERATING WITH WATCH



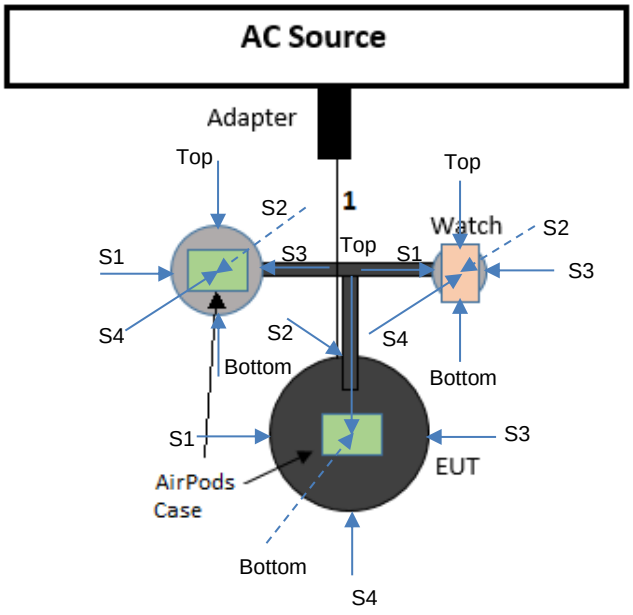
S1, S2, S3, S4, Bottom: 15cm
Top: 20cm

CONFIGURATION 8/9/10/11: OPERATING MODE WITH PHONE + AIRPODS PRO CASE + WATCH



S1, S2, S3, S4, Bottom: 15cm
Top: 20cm

CONFIGURATION 12/13: OPERATING MODE WITH AIRPODS PRO CASE + AIRPODS PRO CASE + WATCH



S1, S2, S3, S4, Bottom: 15cm
Top: 20cm

3.2. RF EXPOSRE SETUP PHOTO

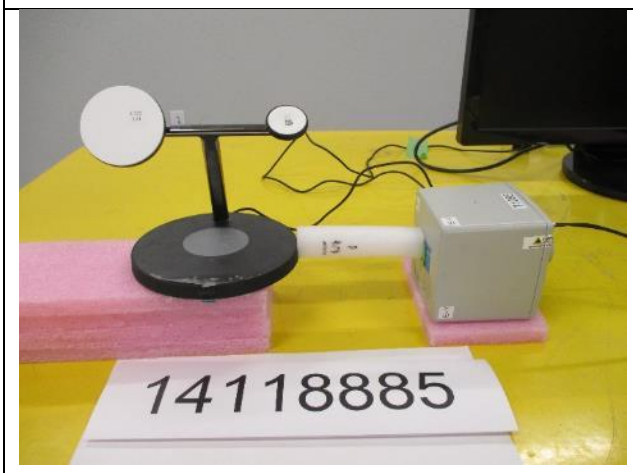
1. RF exposure setting: Top=20cm, S1/S2/S3/S4/Bottom=15cm from the charging coil

3.2.1. CONFIGURATION 1: STANDBY MODE

110.5 -148.5kHz Coil

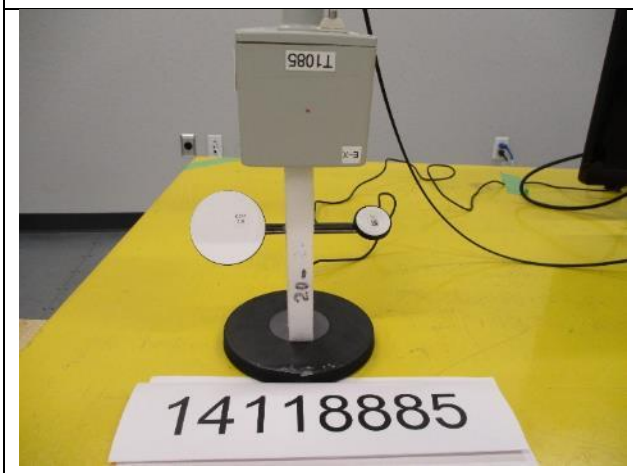
S1

S2

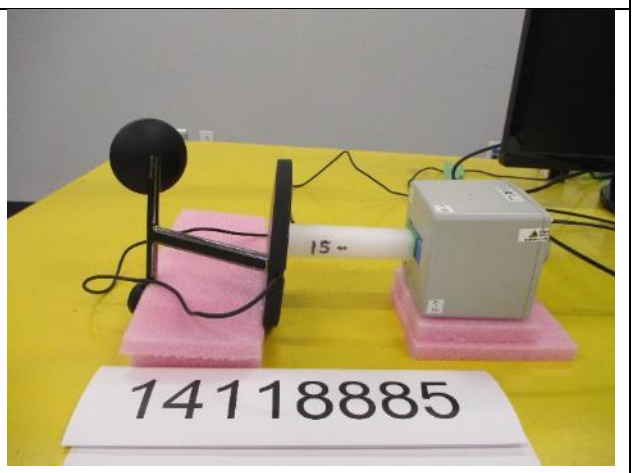


S3

S4



Top



Bottom

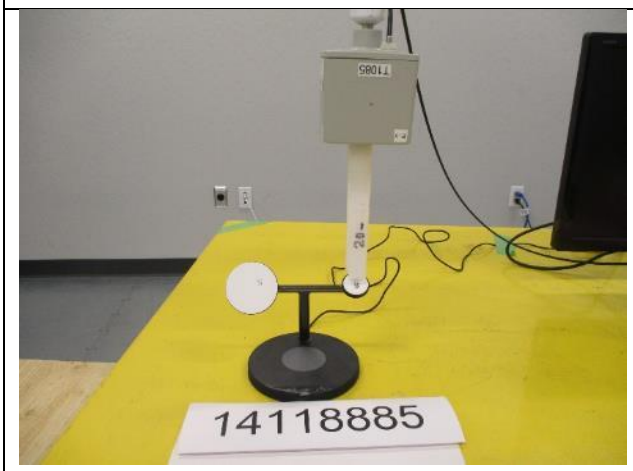
326.5kHz Coil

S1

S2

S3

S4



Top

Bottom

3.2.2. CONFIGURATION 2: OPERATING MODE WITH NEW PHONE

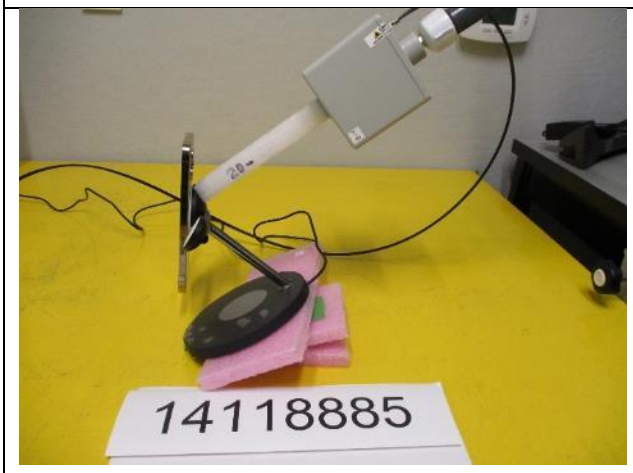
360kHz Coil

S1

S2

S3

S4



Top

Bottom

3.2.3. CONFIGURATION 3: OPERATING MODE WITH LEGACY PHONE

127.7kHz

S1

S2

S3

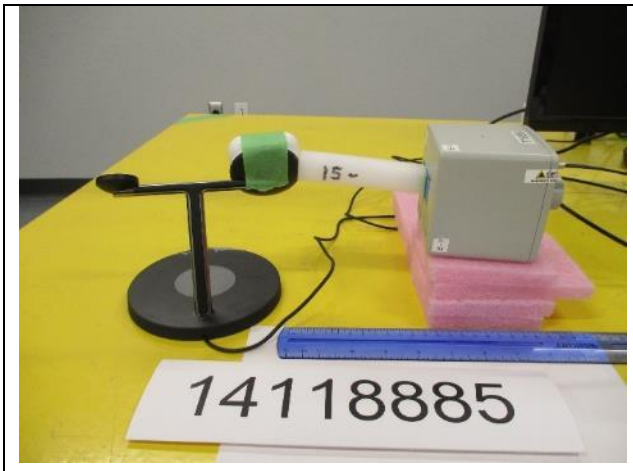
S4

Top

Bottom

3.2.4. CONFIGURATION 4: OPERATING MODE WITH AIRPODS PRO CASE

127.7kHz Coil

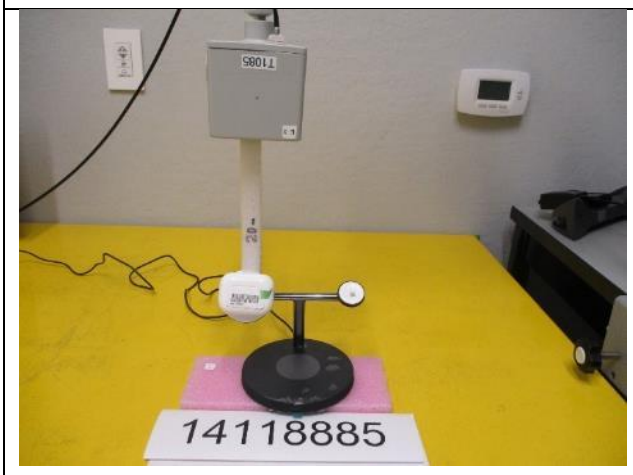


S1

S2

S3

S4

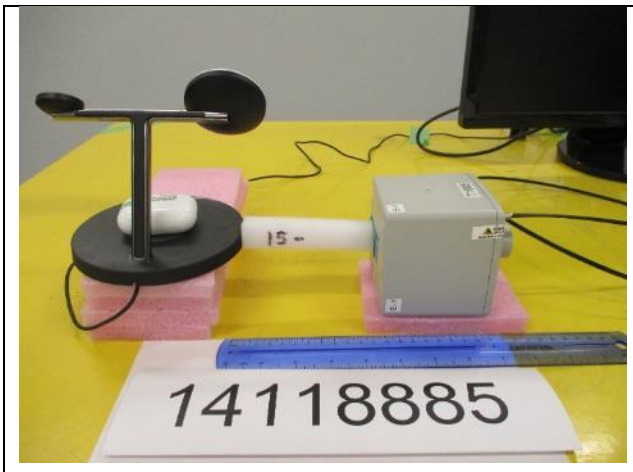


Top

Bottom

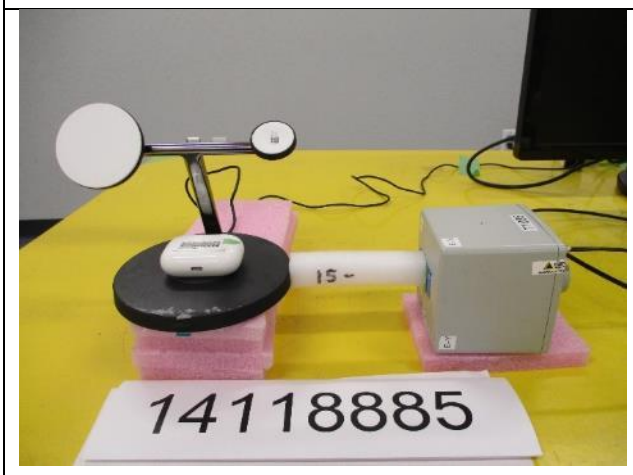
3.2.5. CONFIGURATION 5: OPERATING MODE WITH AIRPODS PRO CASE

110.5 -148.5kHz Coil



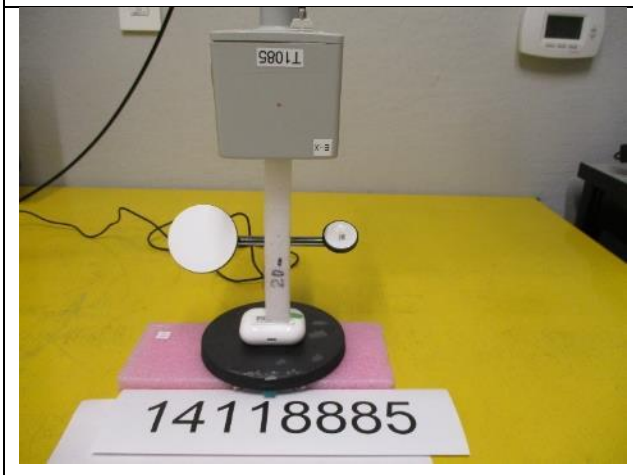
S1

S2



S3

S4



Top

Bottom

3.2.6. CONFIGURATION 6: OPERATING WITH LEGACY WATCH

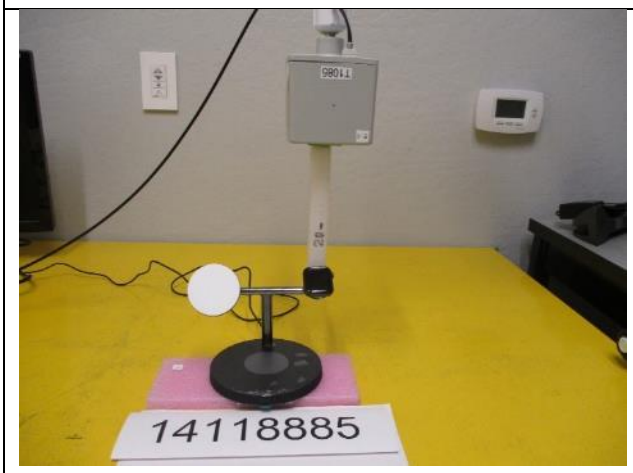
326.5kHz Coil

S1

S2

S3

S4



Top

Bottom

3.2.7. CONFIGURATION 7: OPERATING WITH NEW WATCH

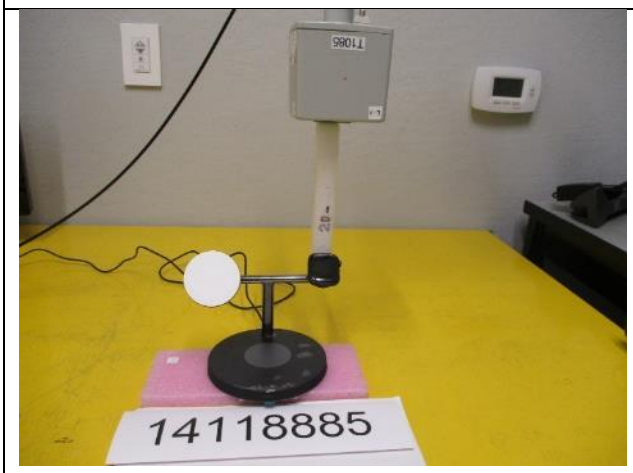
1.778MHz Coil

S1

S2

S3

S4



Top

Bottom

3.2.8. CONFIGURATION 8: OPERATING WITH NEW PHONE + AIRPODS PRO CASE + LEGACY WATCH

360kHz Coil

S1

S2

S3

S4

Top

Bottom

110.5 -148.5kHz Coil

S1

S2

S3

S4

Top

Bottom

326.5kHz Coil

S1

S2

S3

S4

Top

Bottom

3.2.9. CONFIGURATION 9: OPERATING WITH NEW PHONE + AIRPODS PRO CASE + NEW WATCH

360kHz Coil

S1

S2

S3

S4

Top

Bottom

110.5 -148.5kHz Coil

S1

S2

S3

S4

Top

Bottom

1.778MHz Coil

S1

S2

S3

S4

Top

Bottom

3.2.10. CONFIGURATION 10: OPERATING WITH LEGACY PHONE + AIRPODS PRO CASE + LEGACY WATCH

127.7kHz Coil

S1

S2

S3

S4

Top

Bottom

110.5 -148.5kHz Coil

S1

S2

S3

S4

Top

Bottom

326.5kHz Coil

S1

S2

S3

S4

Top

Bottom

3.2.11. CONFIGURATION 11: OPERATING WITH LEGACY PHONE + AIRPODS PRO CASE + NEW WATCH

127.7kHz Coil

S1

S2

S3

S4

Top

Bottom

110.5 -148.5kHz Coil

S1

S2

S3

S4

Top

Bottom

1.778MHz Coil

S1

S2

S3

S4

Top

Bottom

3.2.12. CONFIGURATION 12: OPERATING WITH AIRPODS PRO CASE + AIRPODS PRO CASE + LEGACY WATCH

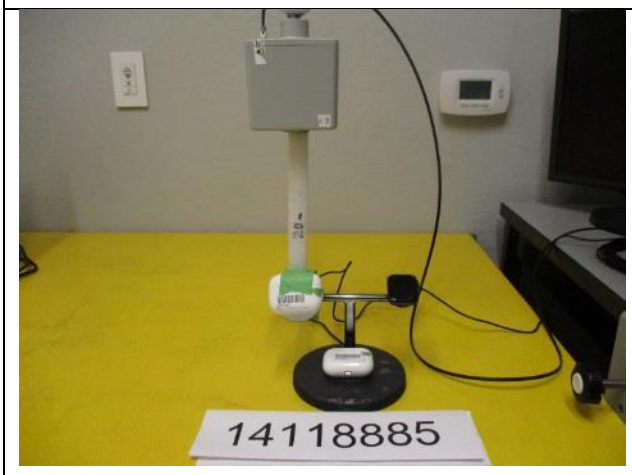
127.7kHz Coil

S1

S2

S3

S4



Top

Bottom

110.5 -148.5kHz Coil

S1

S2

S3

S4

Top

Bottom

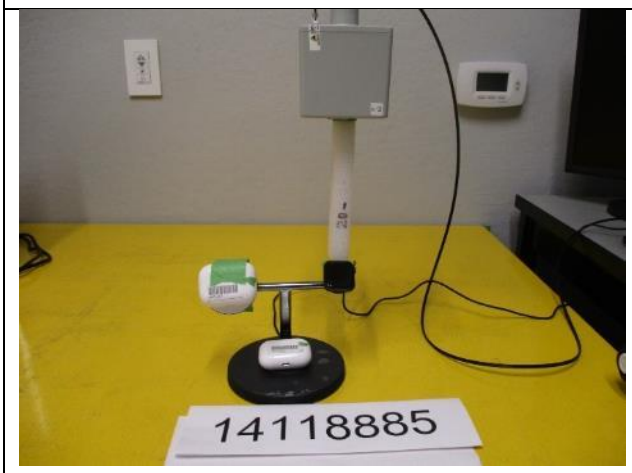
326.5kHz Coil

S1

S2

S3

S4



Top

Bottom

3.2.13. CONFIGURATION 13: OPERATING WITH AIRPODS PRO CASE + AIRPODS PRO CASE + NEW WATCH

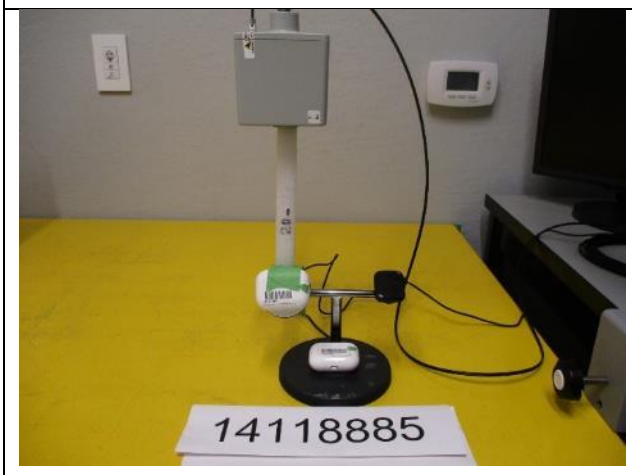
127.7kHz Coil

S1

S2

S3

S4



Top

Bottom

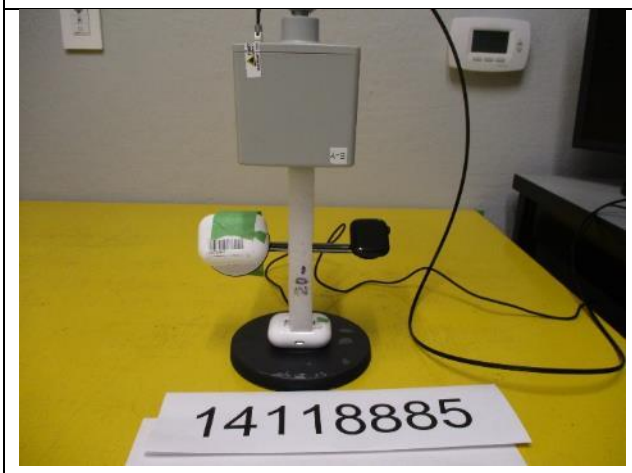
110.5 -148.5kHz Coil

S1

S2

S3

S4



Top

Bottom

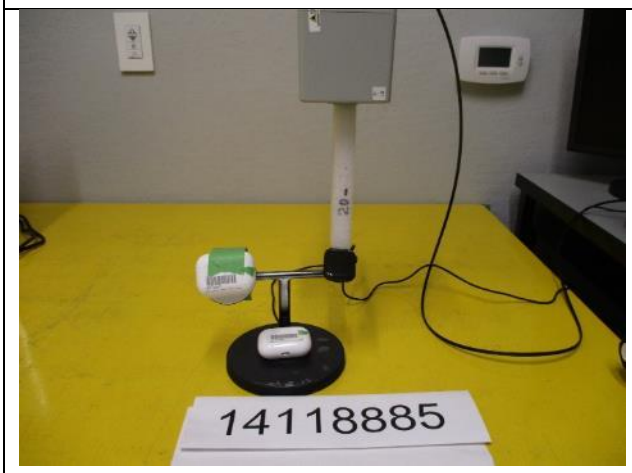
1.778MHz Coil

S1

S2

S3

S4



Top

Bottom

END OF REPORT