

Report Number: 15365975-EP1V1

TABLE OF CONTENTS

1. SCOPE	2
2. WPT TECHNOLOGY (15365975-E1 Report)	3
2.1. DESCRIPTION OF TEST SETUP	3
2.2. AC LINE CONDUCTED SETUP	8
2.2.1. CONFIGURATON 1: WPT ON STANDBY	8
2.2.2. CONFIGURATON 9: OPERATING MODE WITH PHONE + PHONE+ WATCH...8	
2.3. WPT RADIATED RF MEASUREMENT SETUP	9
2.3.1. CONFIGURATION 1: WPT ON STANDBY	9
2.3.2. CONFIGURATION 2: OPERATING MODE WITH iPhone (360kHz)	10
2.3.3. CONFIGURATION 3: OPERATING MODE WITH iPhone (127.7kHz)	10
2.3.4. CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case (127.7kHz)	11
2.3.5. CONFIGURATION 5: OPERATING MODE WITH iPhone (111-148kHz)	11
2.3.6. CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case (111-148kHz)	12
2.3.7. CONFIGURATION 7: OPERATING MODE WITH Watch (326.5kHz)	12
2.3.8. CONFIGURATION 8: OPERATING MODE WITH Watch (1.778MHz)	13
2.3.9. CONFIGURATION 9: OPERATING MODE WITH iPhone (360kHz) + iPhone (127.7kHz) + Watch (1.778MHz)	13
3. RF EXPOSURE (15365975-E2 Report)	14
3.1. DESCRIPTION OF TEST SETUP	14
3.2. MEASUREMENT SETUP	15
3.3. RF EXPOSRE SETUP PHOTO	20
3.3.1. CONFIGURATION 1: WPT ON STANDBY	20
3.3.2. CONFIGURATION 2: OPERATING MODE WITH iPhone (360kHz)	22
3.3.3. CONFIGURATION 3: OPERATING MODE WITH iPhone (127.7kHz)	23
3.3.4. CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case (127.7kHz)	24
3.3.5. CONFIGURATION 5: OPERATING MODE WITH iPhone (111-148kHz)	25
3.3.6. CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case (111-148kHz)	26
3.3.7. CONFIGURATION 7: OPERATING MODE WITH Watch (326.5kHz)	27
3.3.8. CONFIGURATION 8: OPERATING MODE WITH Watch (1.778MHz)	28
3.3.9. CONFIGURATION 9: OPERATING WITH AirPods Pro Case (127.7kHz)+ iPhone (111-148kHz)+ Watch (326.5kHz)	29

1. SCOPE

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

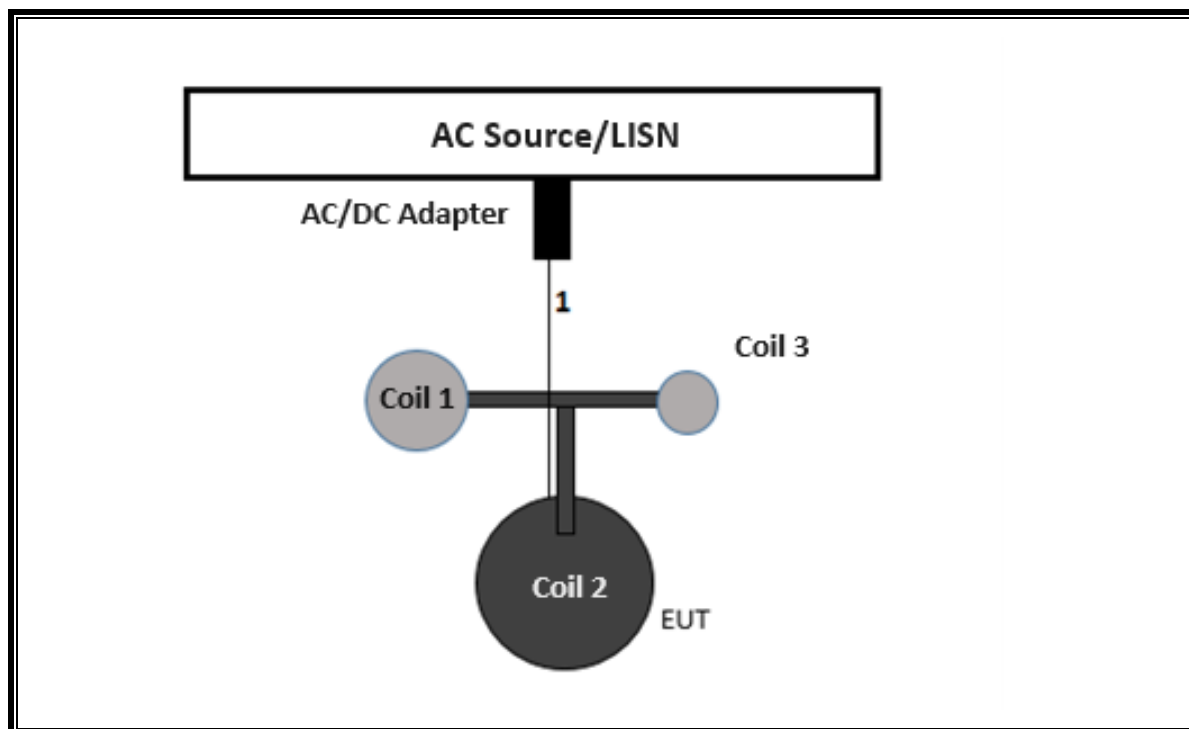
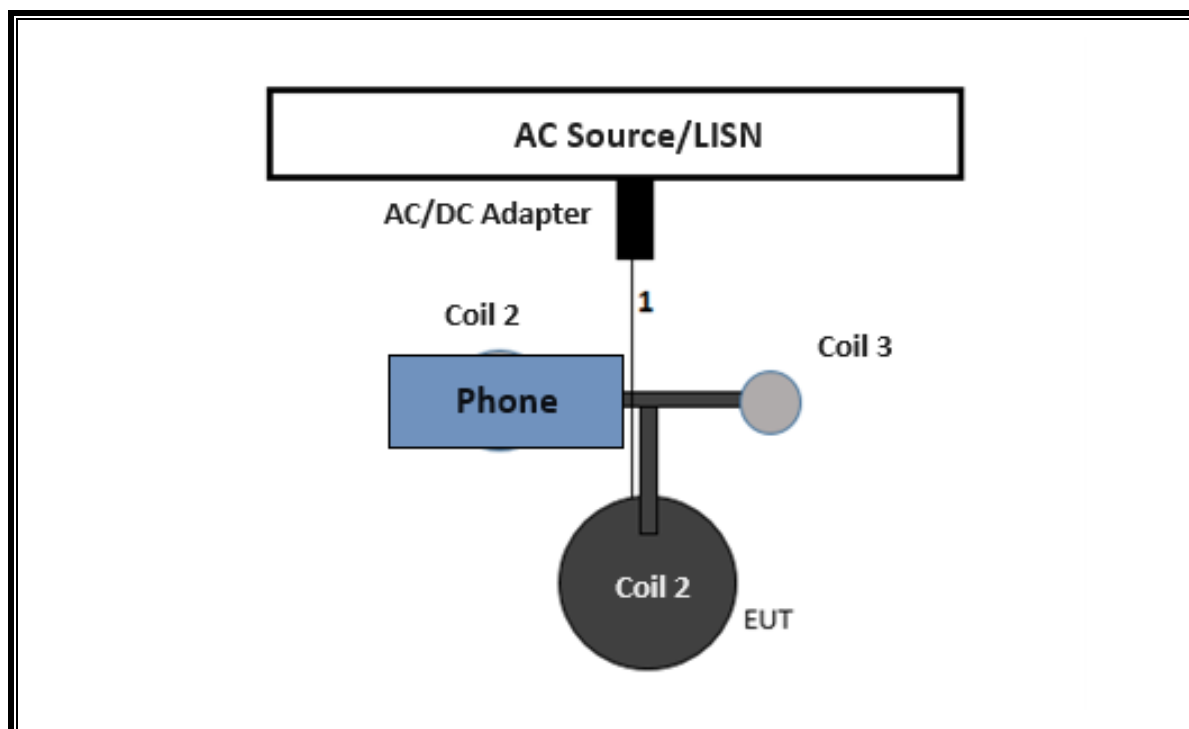
Reports
15365975-E1 FCC WPT Report
15365975-E2 FCC WPT RF Exposure Report

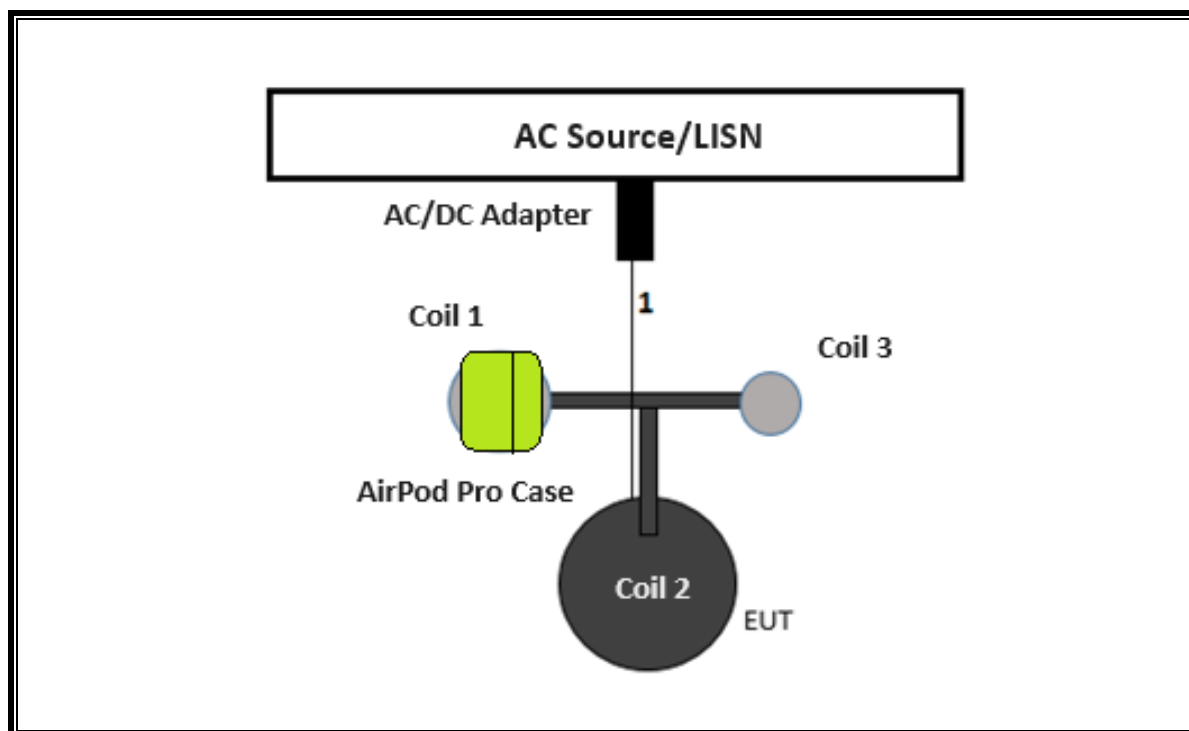
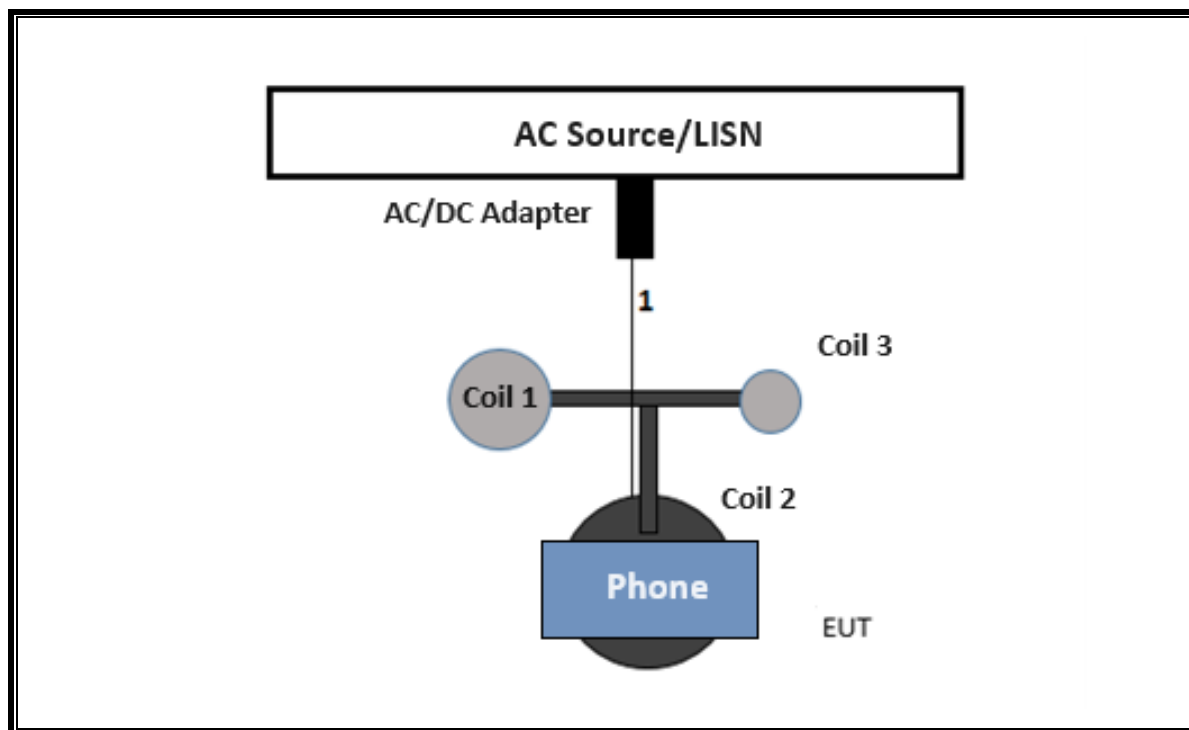
2. WPT TECHNOLOGY (15365975-E1 Report)

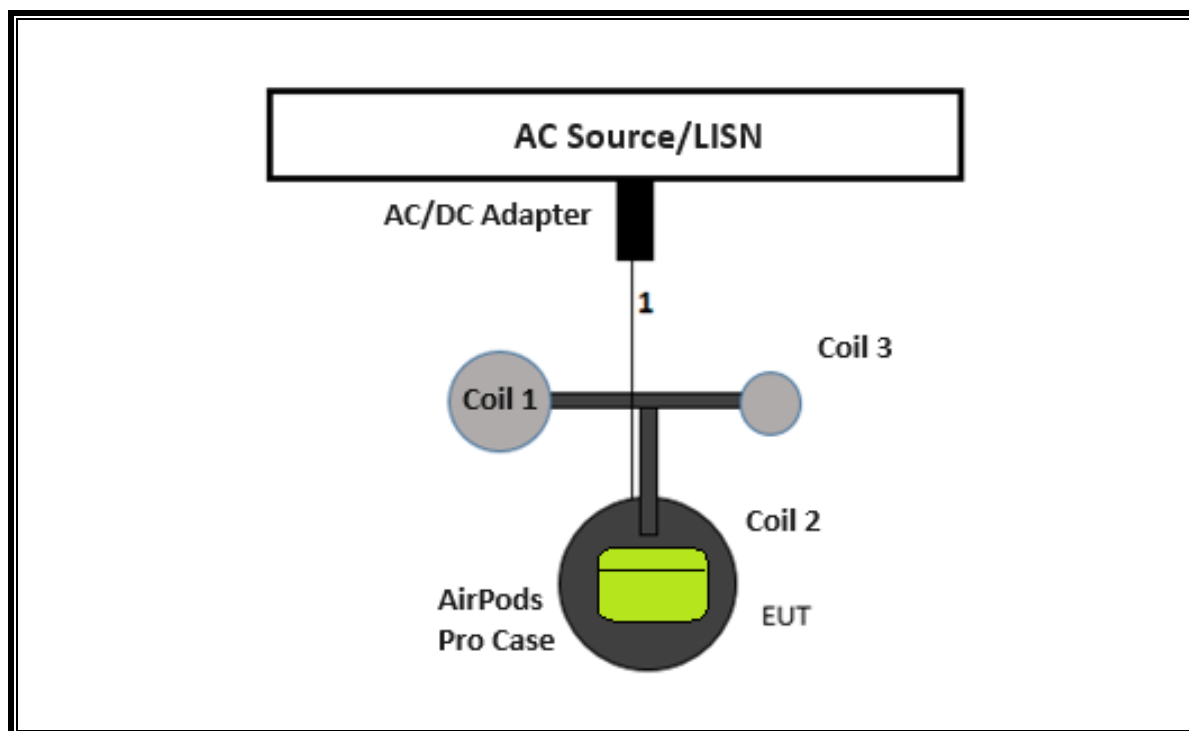
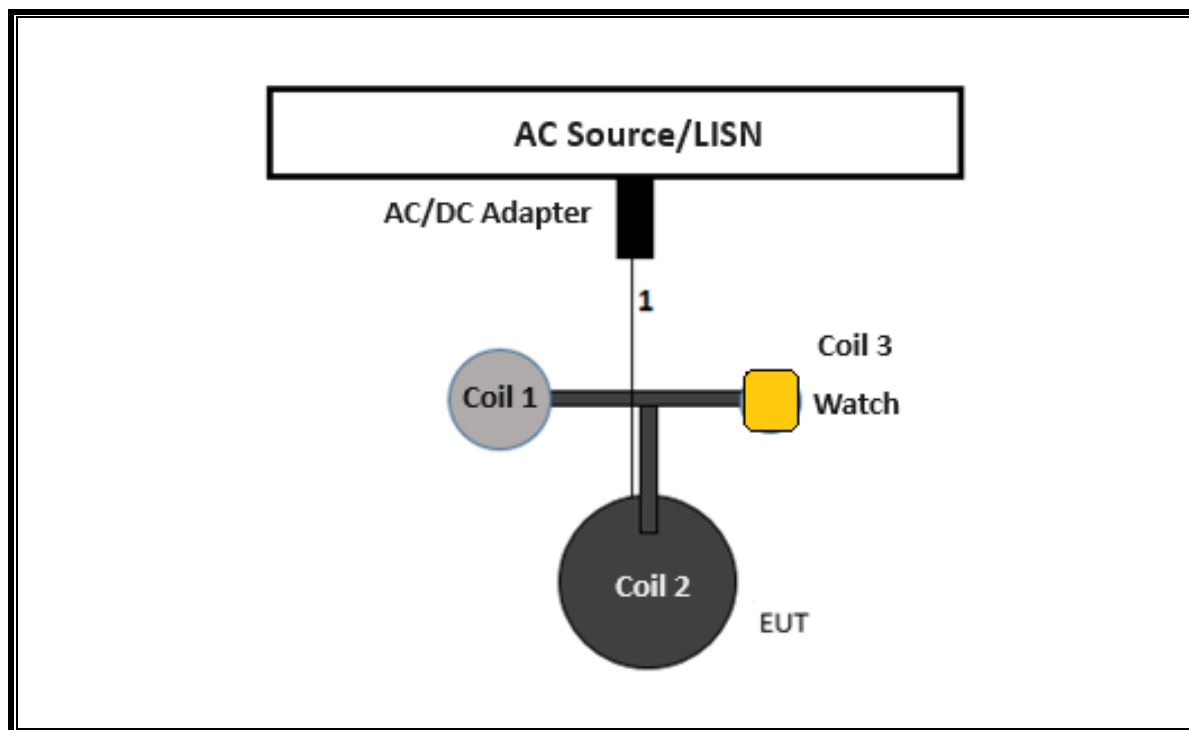
2.1. DESCRIPTION OF TEST SETUP

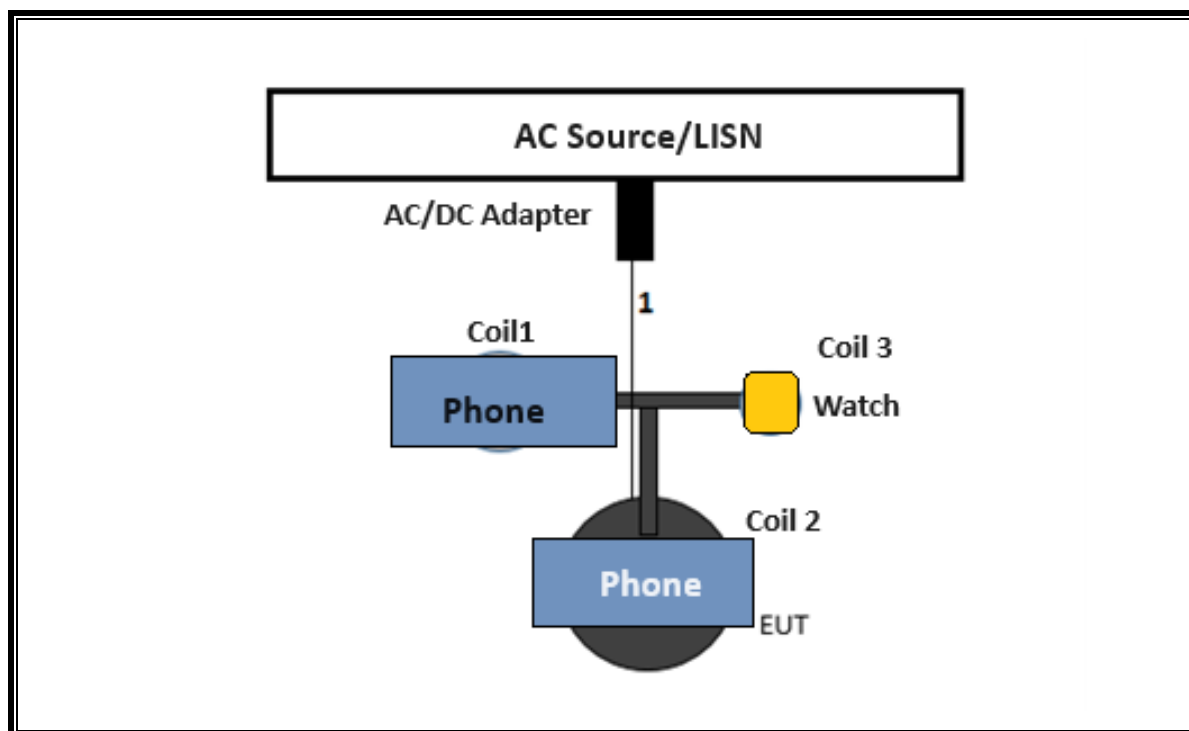
SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
AC/DC Adapter		belkin	2ACR040G	Not available		DoC
iPhone 15 Pro (Grey), Max 15W		Apple	A2848	KXX36L6R1P		BCG-E8435A
iPhone 15 Pro (Grey), Max 15W		Apple	A2848	DW96RX9HLH		BCG-E8435A
Legacy iPhone 11 Pro (grey), Max 7.5W		Apple	A2161	FK1ZMDRGN70C		BCG-E3306A
Legacy iPhone X (white), Max 7.5W		Apple	A1901	G6TVQ8JUJCLJ		BCG-E3175A
Legacy iPhone X (black), Max 7.5W		Apple	A1901	G6TV37H8JCLH		BCG-E3175A
AirPods Pro Case (1), Max 1W		Apple	A2700	PCWQTHFWXC		BCG-A2700
AirPods Pro Case (2), Max 1W		Apple	A2700	MGH2RNXRWX		BCG-A2700
Apple Watch Series 7, Max 5W		Apple	A2474	TF7MKCXC9Q		BCG-A2474
Apple Watch Series 7, Max 5W		Apple	A2474	WNX9JYCXXKH		BCG-A2474
Apple Watch Series 7, Max 5W		Apple	A2474	K76R02RKQG		BCG-A2474
Apple Watch Series 7, Max 5W		Apple	A2474	MH407G923N		BCG-A2474
Apple Watch Series 7, Max 5W		Apple	A2474	QVW24T7HH6		BCG-A2474
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	PMJH6F3QX9		BCG- A2722
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	G27Q467X61		BCG- A2722
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	J6TJ0LFQ2H		BCG- A2722
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	KNYPMV99QX		BCG- A2722
Legacy Apple Watch SE, Max 2.5W		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	DC	1	Barrel jack	Shielded	1.5	-

Note: Several units of 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 PHONE**

CONFIGURATION 4: OPERATING MODE WITH AIRPODS PRO CASE**CONFIGURATION 5: OPERATING MODE WITH PHONE**

CONFIGURATION 6: OPERATING MODE WITH AIRPODS PRO CASE**CONFIGURATION 7/8: OPERATING MODE WITH WATCH**

CONFIGURATION 9: OPERATING MODE WITH PHONE + PHONE+ WATCH

2.2. AC LINE CONDUCTED SETUP

2.2.1. CONFIGURATON 1: WPT ON STANDBY

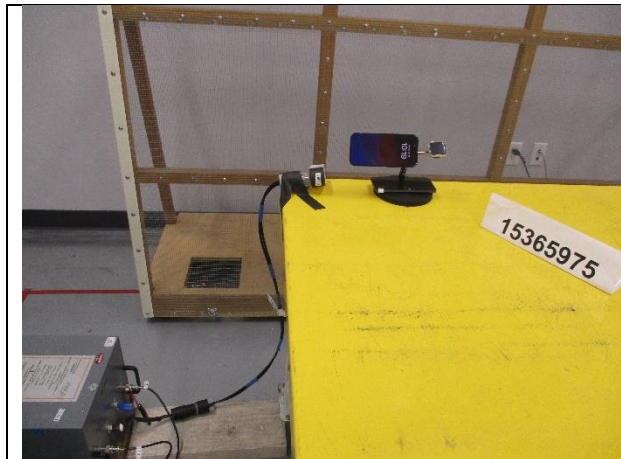


AC LINE CONDUCTED (FRONT)



AC LINE CONDUCTED (BACK)

2.2.2. CONFIGURATON 9: OPERATING MODE WITH PHONE + PHONE+ WATCH



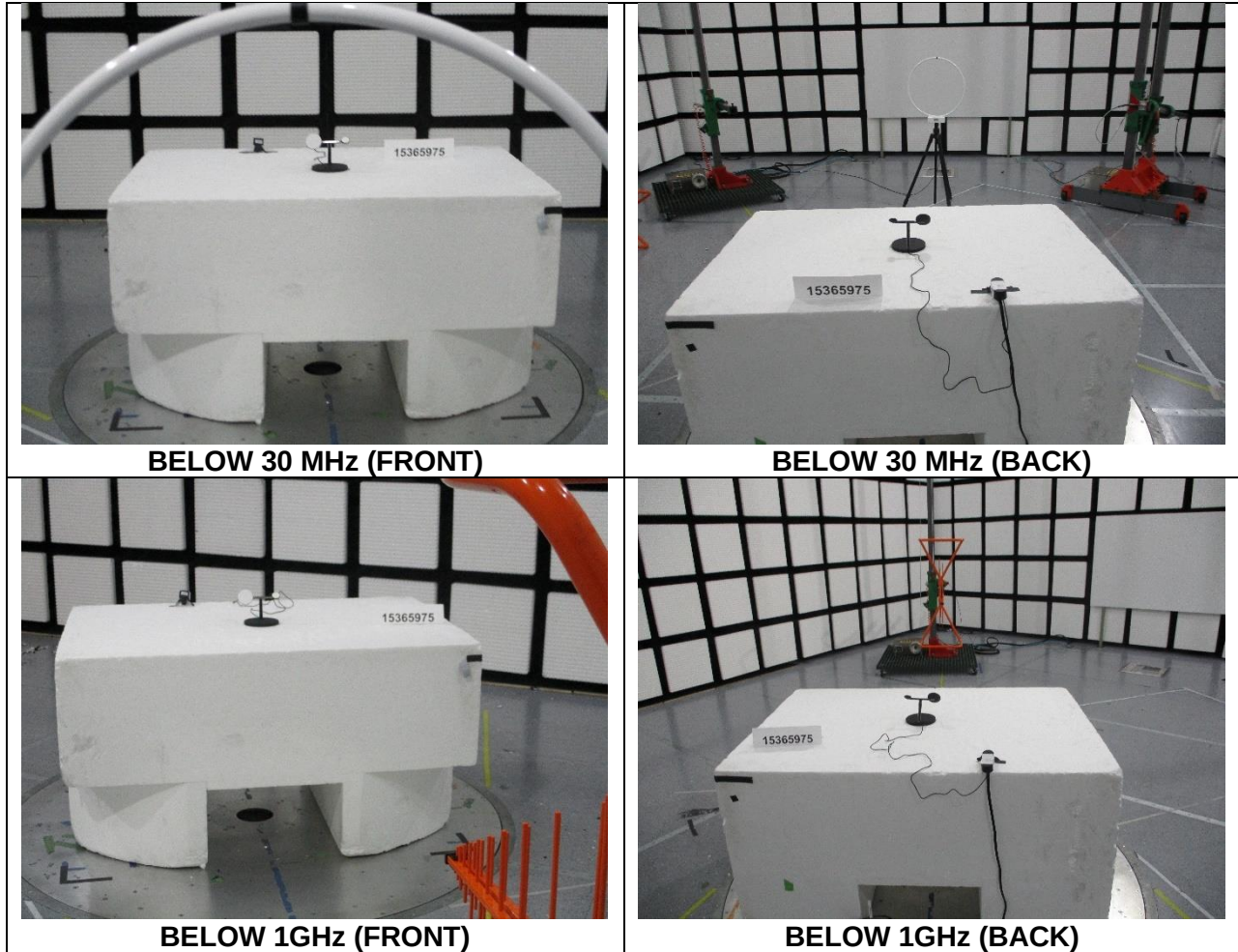
AC LINE CONDUCTED (FRONT)

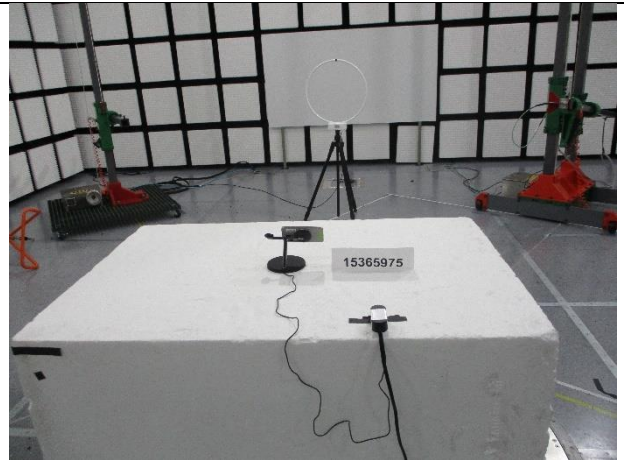
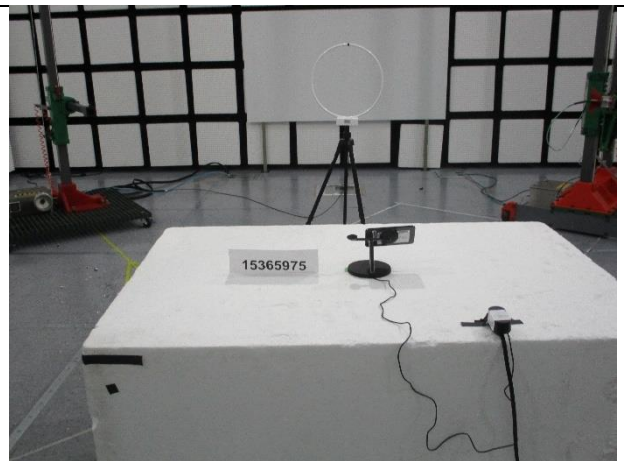


AC LINE CONDUCTED (BACK)

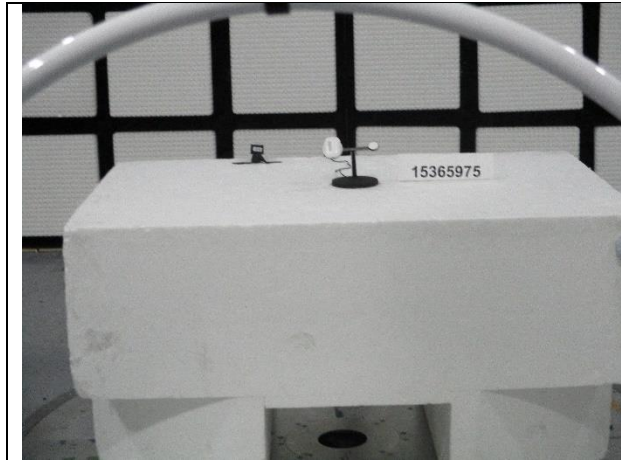
2.3. WPT RADIATED RF MEASUREMENT SETUP

2.3.1. CONFIGURATION 1: WPT ON STANDBY

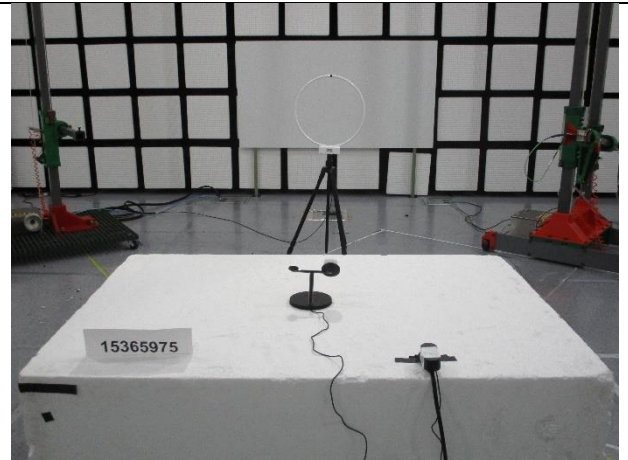


2.3.2. CONFIGURATION 2: OPERATING MODE WITH iPhone (360kHz)**BELOW 30 MHz (FRONT)****BELOW 30 MHz (BACK)****2.3.3. CONFIGURATION 3: OPERATING MODE WITH iPhone (127.7kHz)****BELOW 30 MHz (FRONT)****BELOW 30 MHz (BACK)**

2.3.4. CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case (127.7kHz)

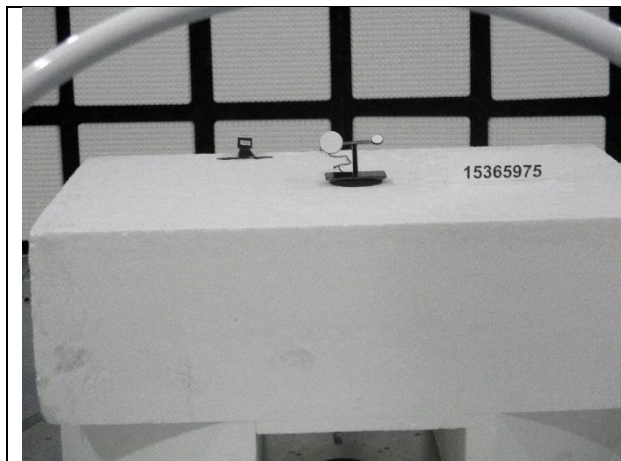


BELOW 30 MHz (FRONT)

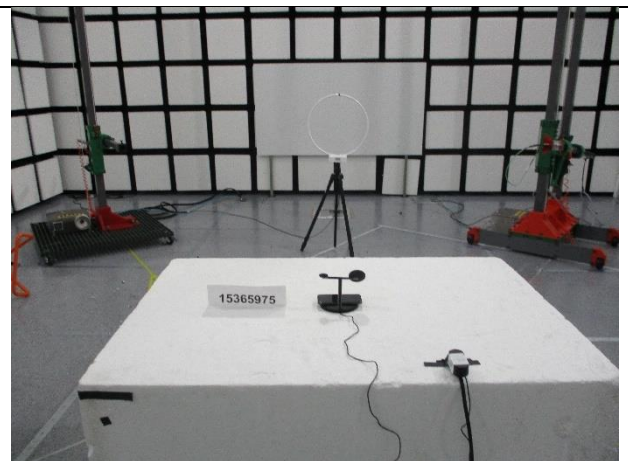


BELOW 30 MHz (BACK)

2.3.5. CONFIGURATION 5: OPERATING MODE WITH iPhone (111-148kHz)



BELOW 30 MHz (FRONT)

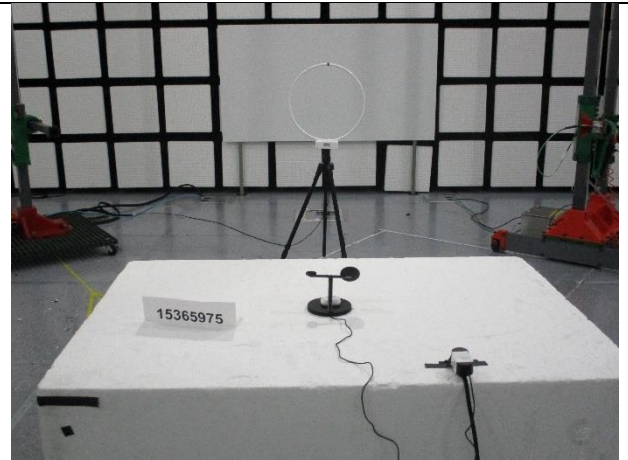


BELOW 30 MHz (BACK)

2.3.6. CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case (111-148kHz)



BELOW 30 MHz (FRONT)

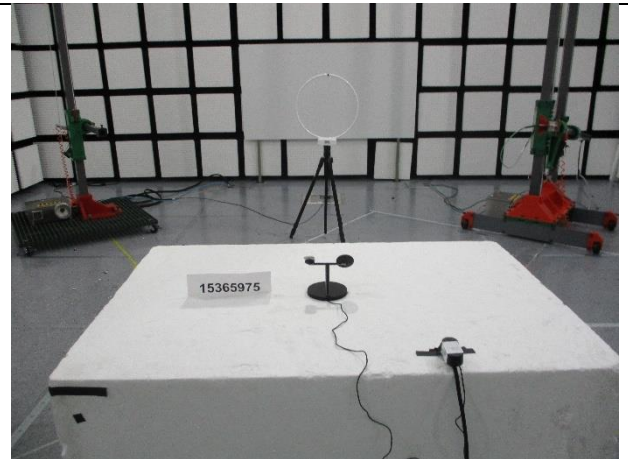


BELOW 30 MHz (BACK)

2.3.7. CONFIGURATION 7: OPERATING MODE WITH Watch (326.5kHz)

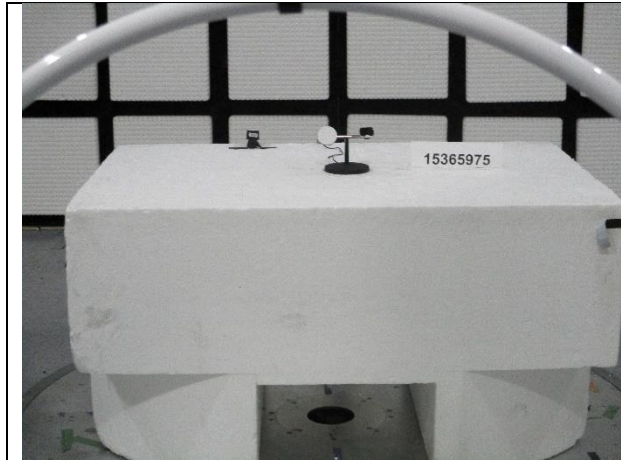


BELOW 30 MHz (FRONT)

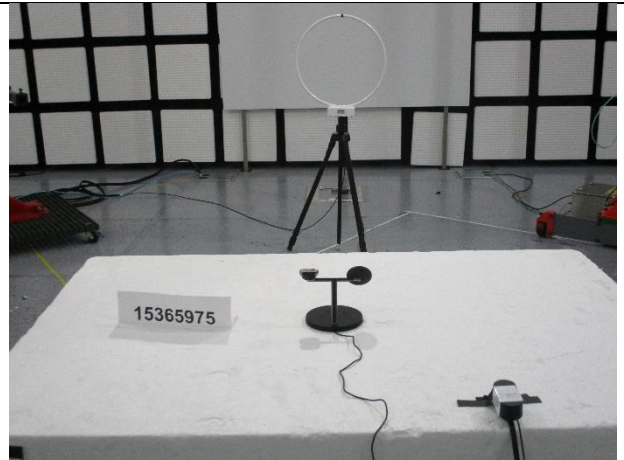


BELOW 30 MHz (BACK)

2.3.8. CONFIGURATION 8: OPERATING MODE WITH Watch (1.778MHz)

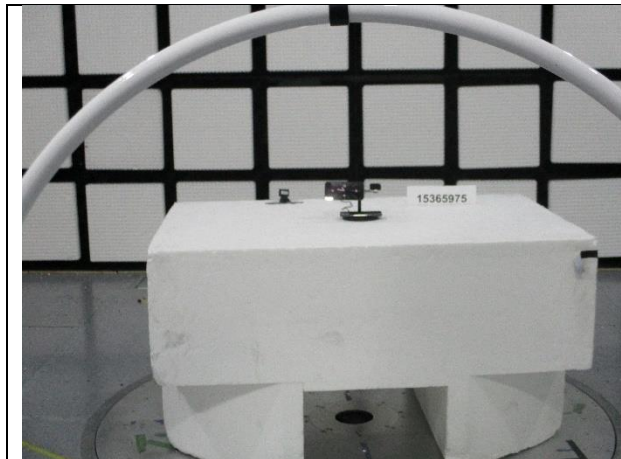


BELOW 30 MHz (FRONT)

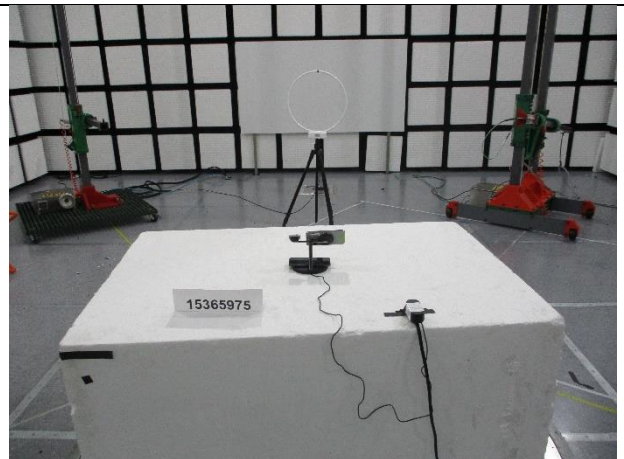


BELOW 30 MHz (BACK)

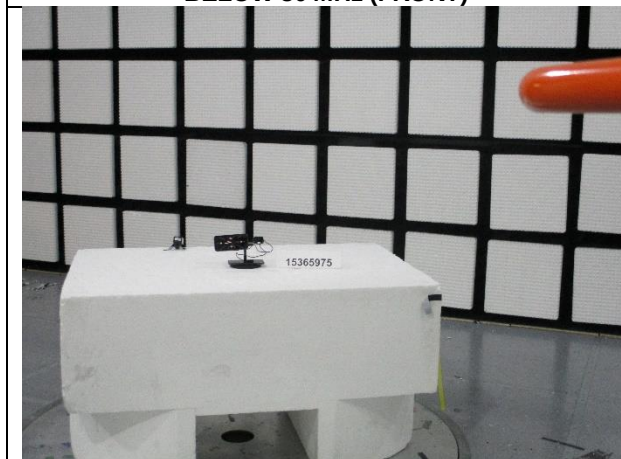
2.3.9. CONFIGURATION 9: OPERATING MODE WITH iPhone (360kHz) + iPhone (127.7kHz) + Watch (1.778MHz)



BELOW 30 MHz (FRONT)



BELOW 30 MHz (BACK)



BELOW 1GHz (FRONT)



BELOW 1GHz (BACK)

3. RF EXPOSURE (15365975-E2 Report)

3.1. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
AC/DC Adapter		Belkin	2ACR040G	Not available		DoC
iPhone 14 Pro (black), Max 15W		Apple	A2660	HKWX92F211		579C-E8140A
iPhone 14 Pro (Purple), Max 15W		Apple	A2660	J2GJYV7CK0		579C-E8140A
Legacy iPhone 11 (black), Max 7.5W		Apple	A2111	C6KZHK1XN72J		BCG-E3309A
Legacy iPhone Xs (black), Max 7.5W		Apple	A2101	G6TX9247KPH1		BCG-E3234A
AirPods Pro Case (3), Max 1W		Apple	A2700	F2LKXY3CW9		BCG-A2700
AirPods Pro Case (4), Max 1W		Apple	A2700	YW326V6YJ3		BCG-A2700
Apple Watch Series 8, Max 5W		Apple	A2771	PK2XN19M39		BCG- A2771
Apple Watch Series 8, Max 5W		Apple	A2771	H4WFWQH9LF		BCG- A2771
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	DXK0XH7VXM		BCG- A2722
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	CY3H94L9XC		BCG- A2722
Legacy Apple Watch SE, Max 2.5W		Apple	A2722	HHFVYVJHK		BCG- A2722
Legacy Apple Watch, Max 2.5W		Apple	A1554	FHLPNJQEG9J6		BCG-E2871
Legacy Apple Watch, Max 2.5W		Apple	A2092	FHLZM8YQMLTK		BCG-A092
I/O CABLES (RADIATED EMISSIONS)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	Barrel jack	Shielded	1.5	-

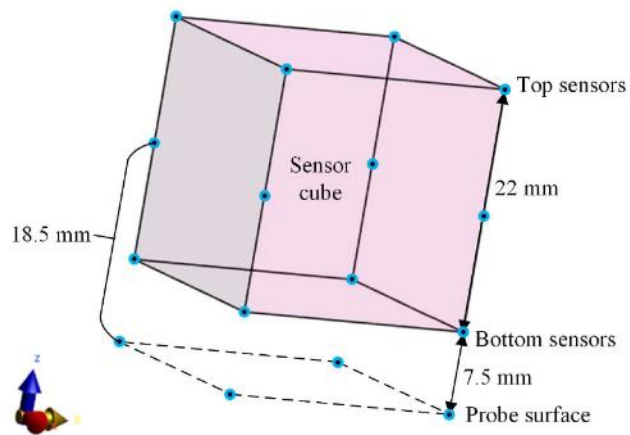
Note: Several units of support equipment (clients/receiving loads) were used during testing to help expedite testing due to battery levels.

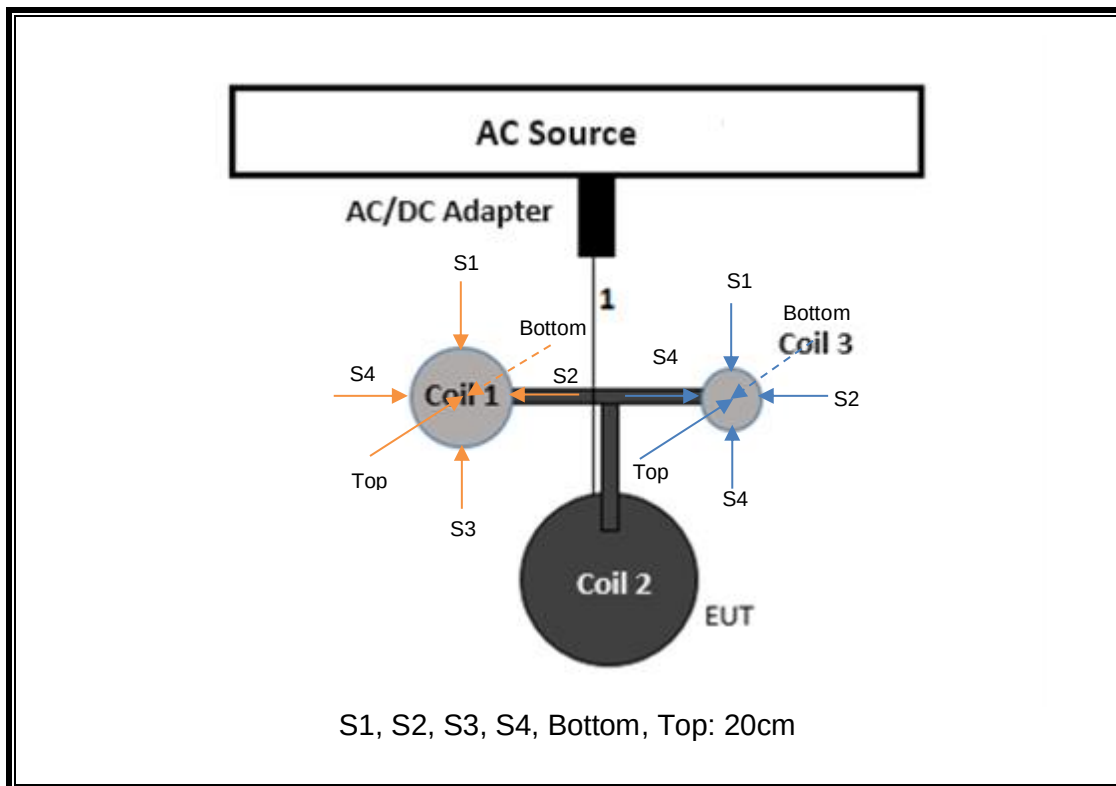
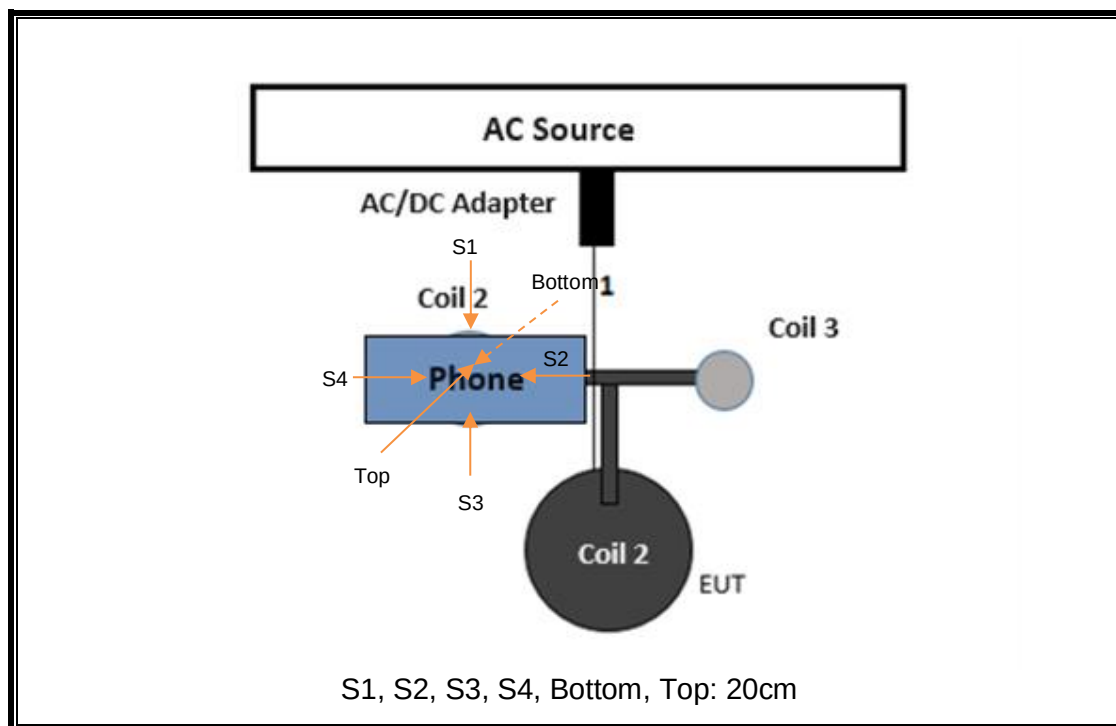
3.2. MEASUREMENT SETUP

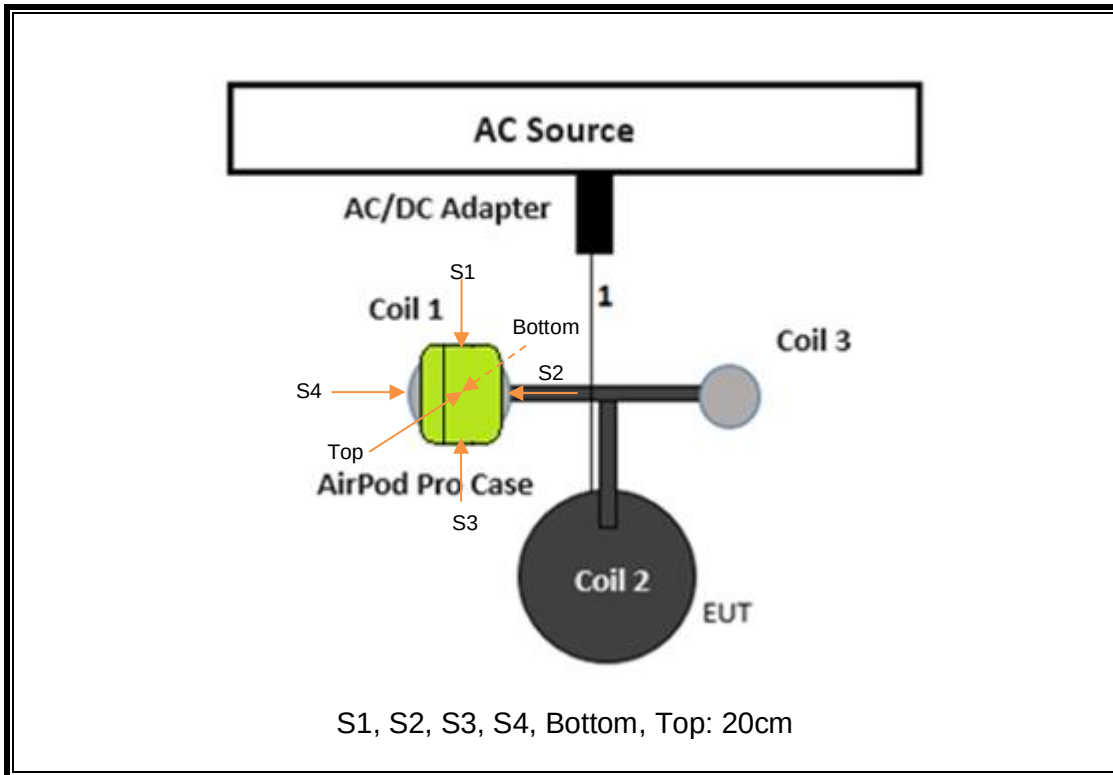
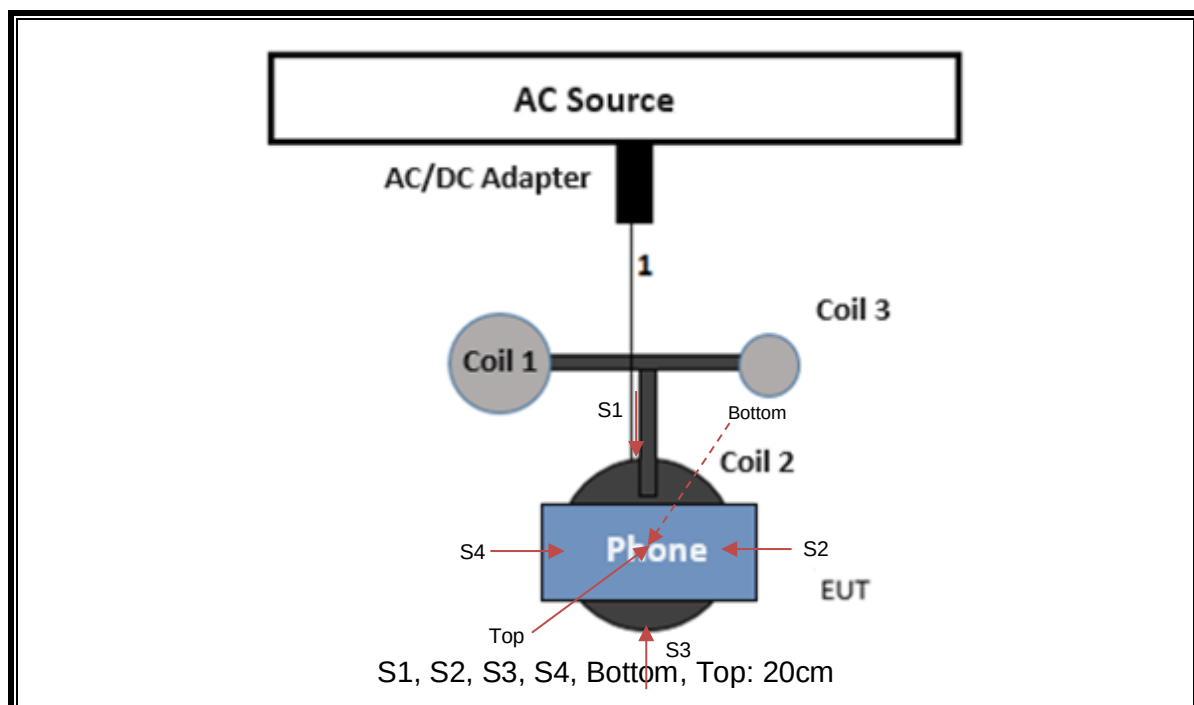
The measurements were taken using a probe placed 20 cm surrounding the device for all configurations on each individual coil per KDB 680106 D01.

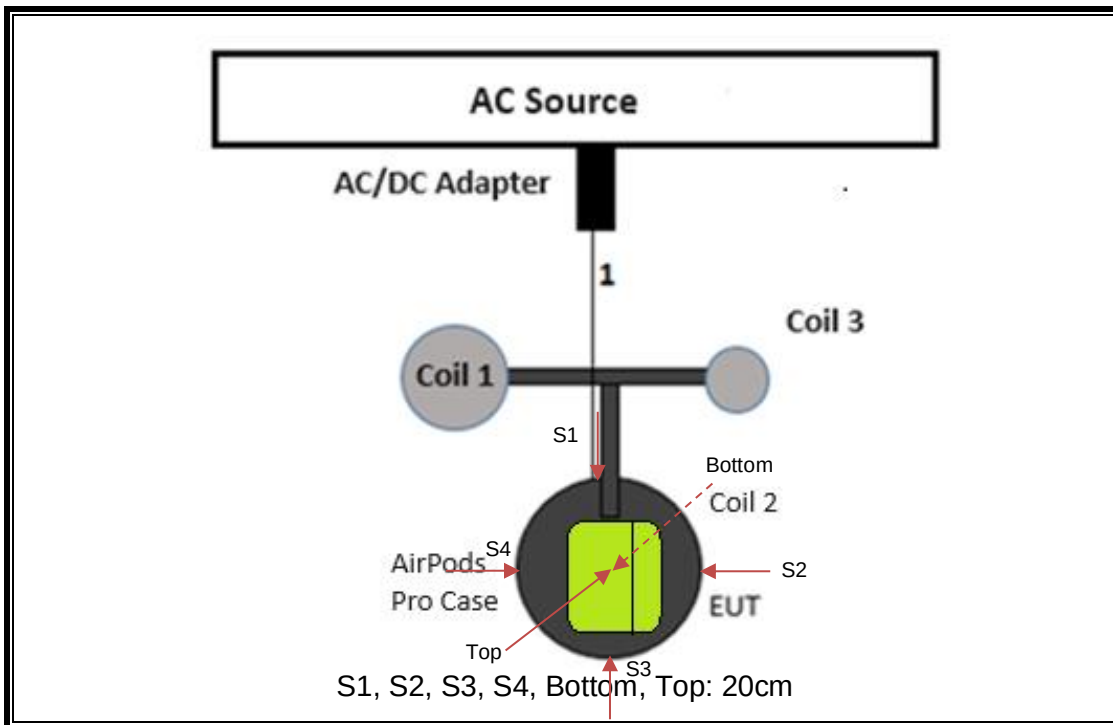
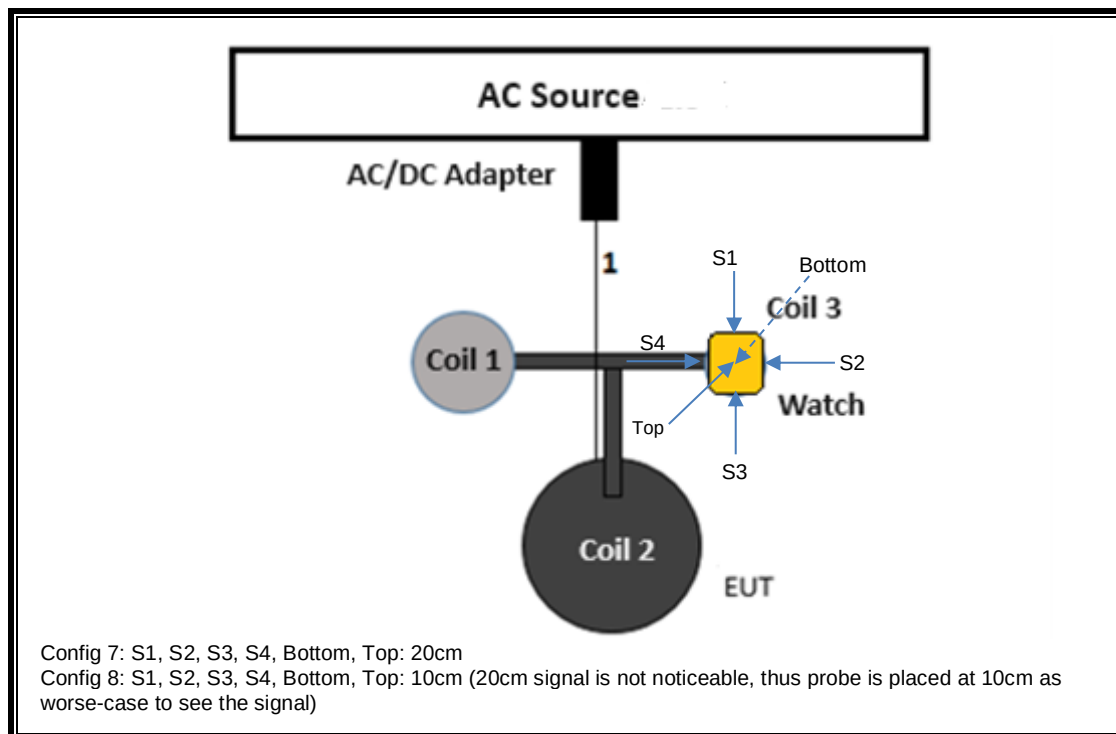
20cm distance E- field and H-field are evaluated at the center of the MAPGy probe. 1.85cm is compensated when measuring the 20cm distance during testing. Refer to the figure below.

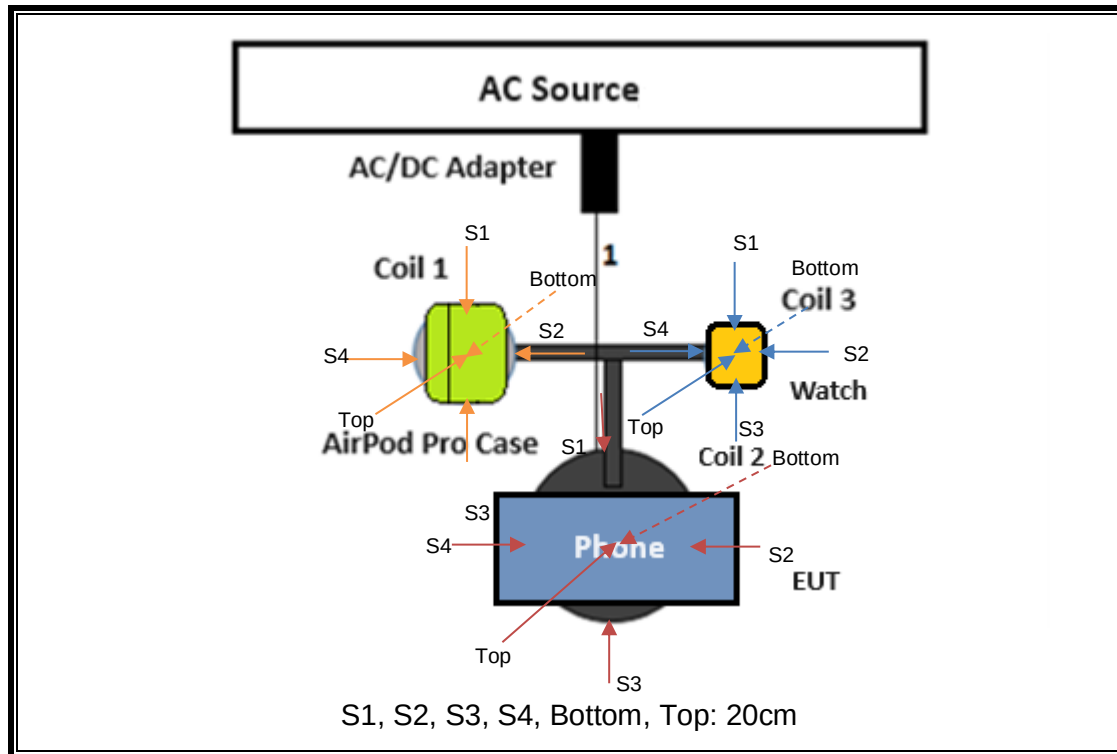
NOTE: Configuration 8 that is charging watch at 1.778MHz , the 1.778MHz signal is not noticeable at 20cm, thus probe is placed at 10cm as worse-case to see the signal.



CONFIGURATION 1: STANDBY MODE**CONFIGURATION 2/3: OPERATING MODE WITH iPhone**

CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case**CONFIGURATION 5: OPERATING MODE WITH iPhone**

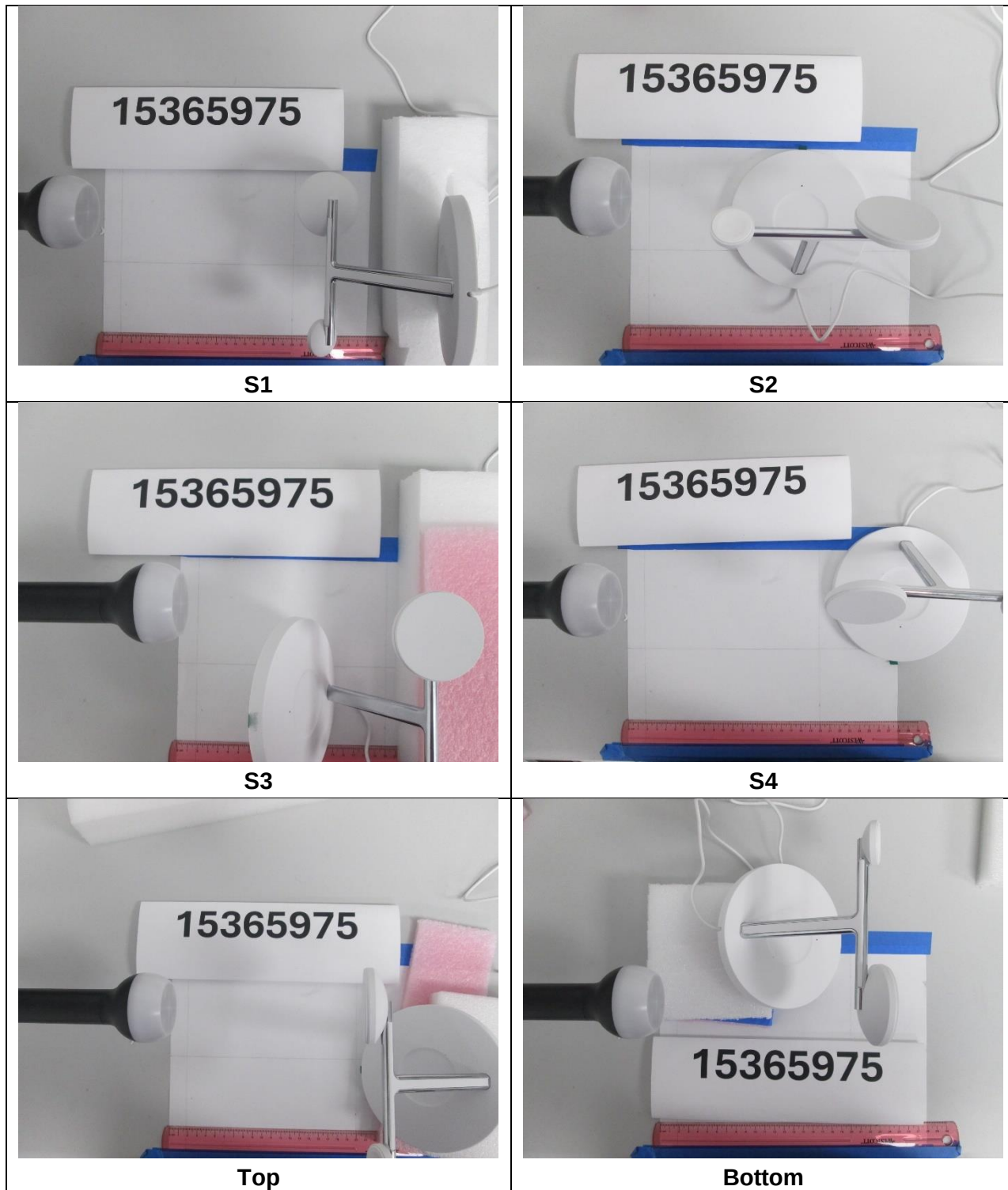
CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case**CONFIGURATION 7/8: OPERATING WITH Watch**

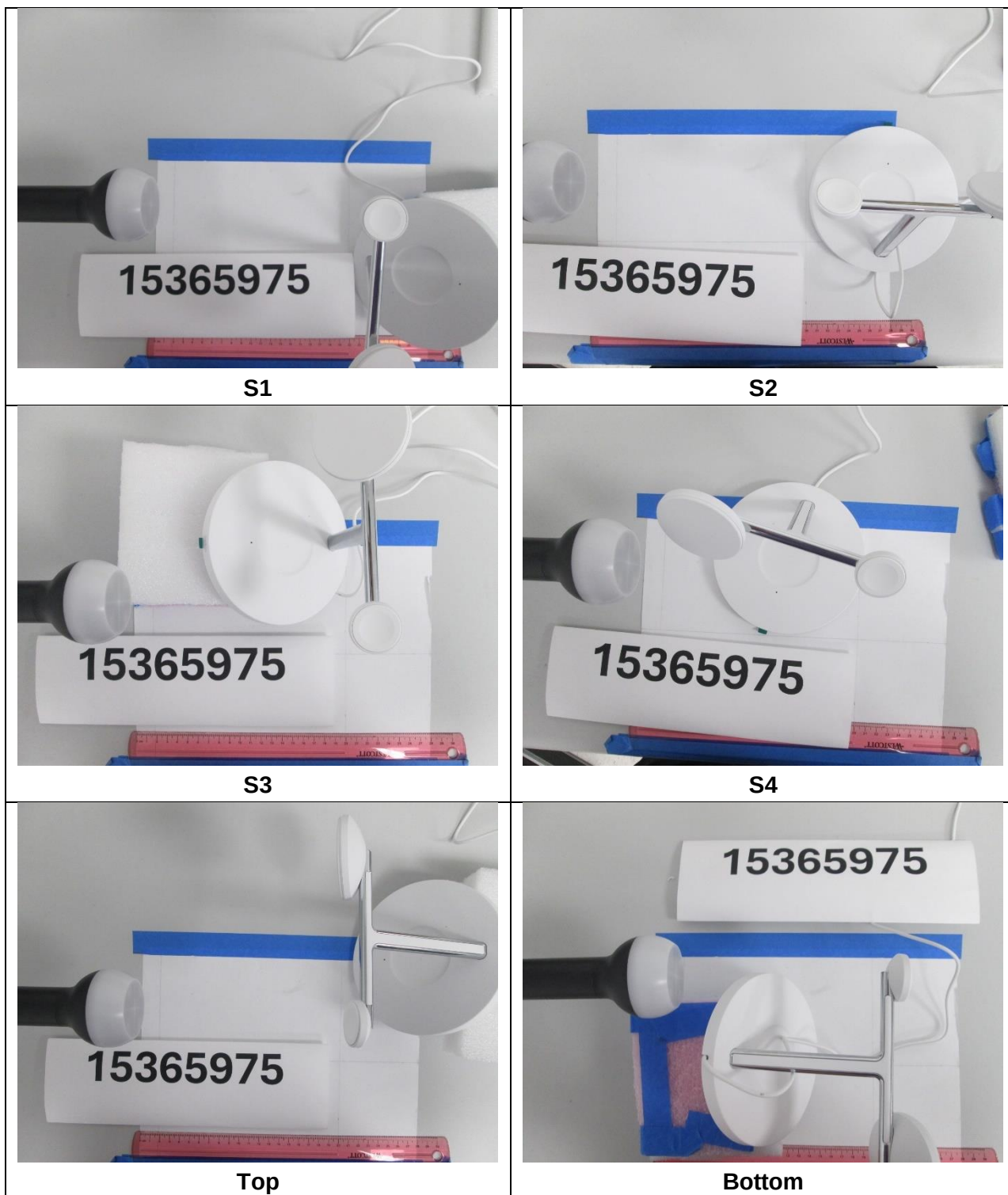
CONFIGURATION 9: OPERATING MODE WITH AirPods Pro Case + iPhone + Watch

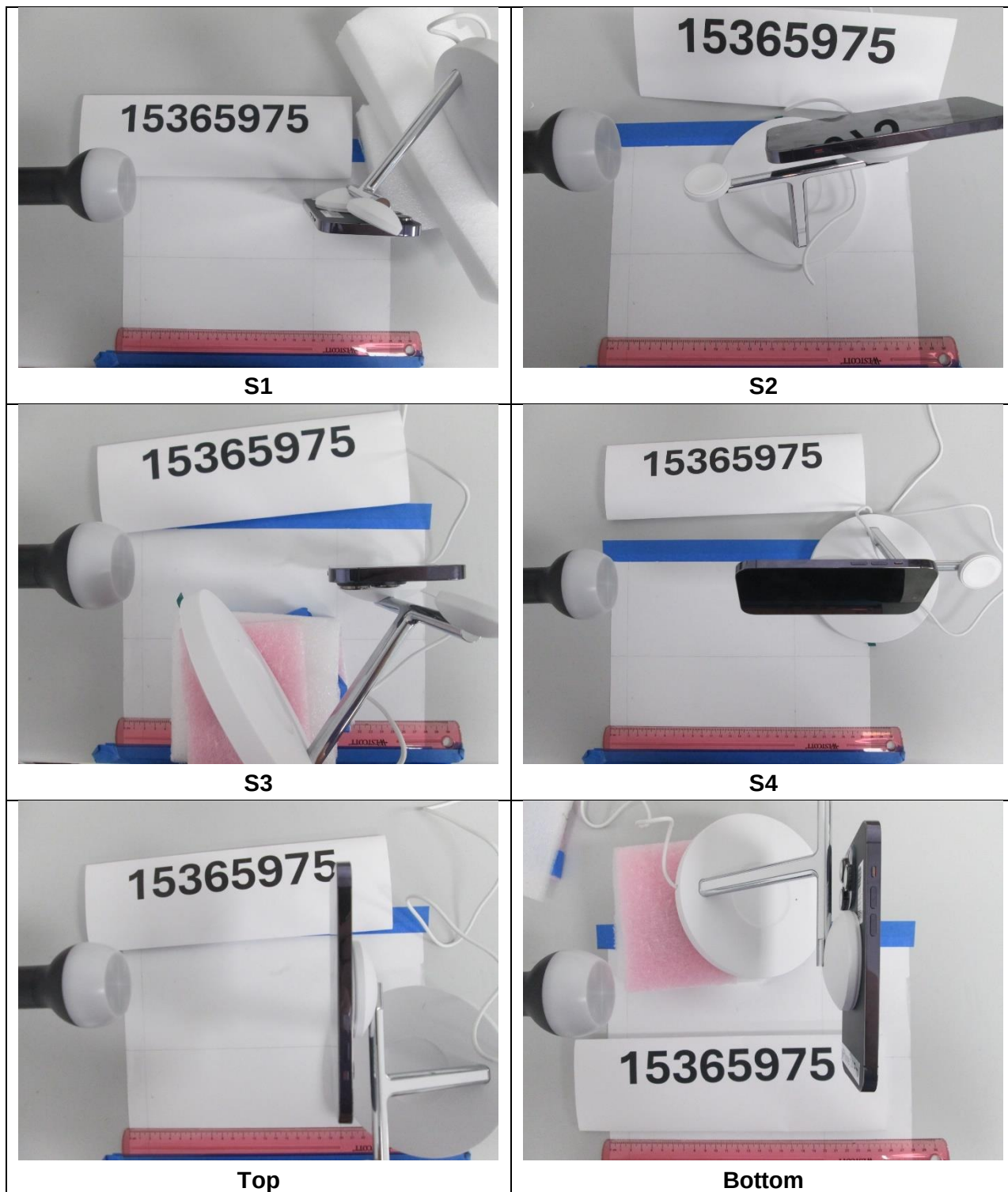
3.3. RF EXPOSRE SETUP PHOTO

3.3.1. CONFIGURATION 1: WPT ON STANDBY

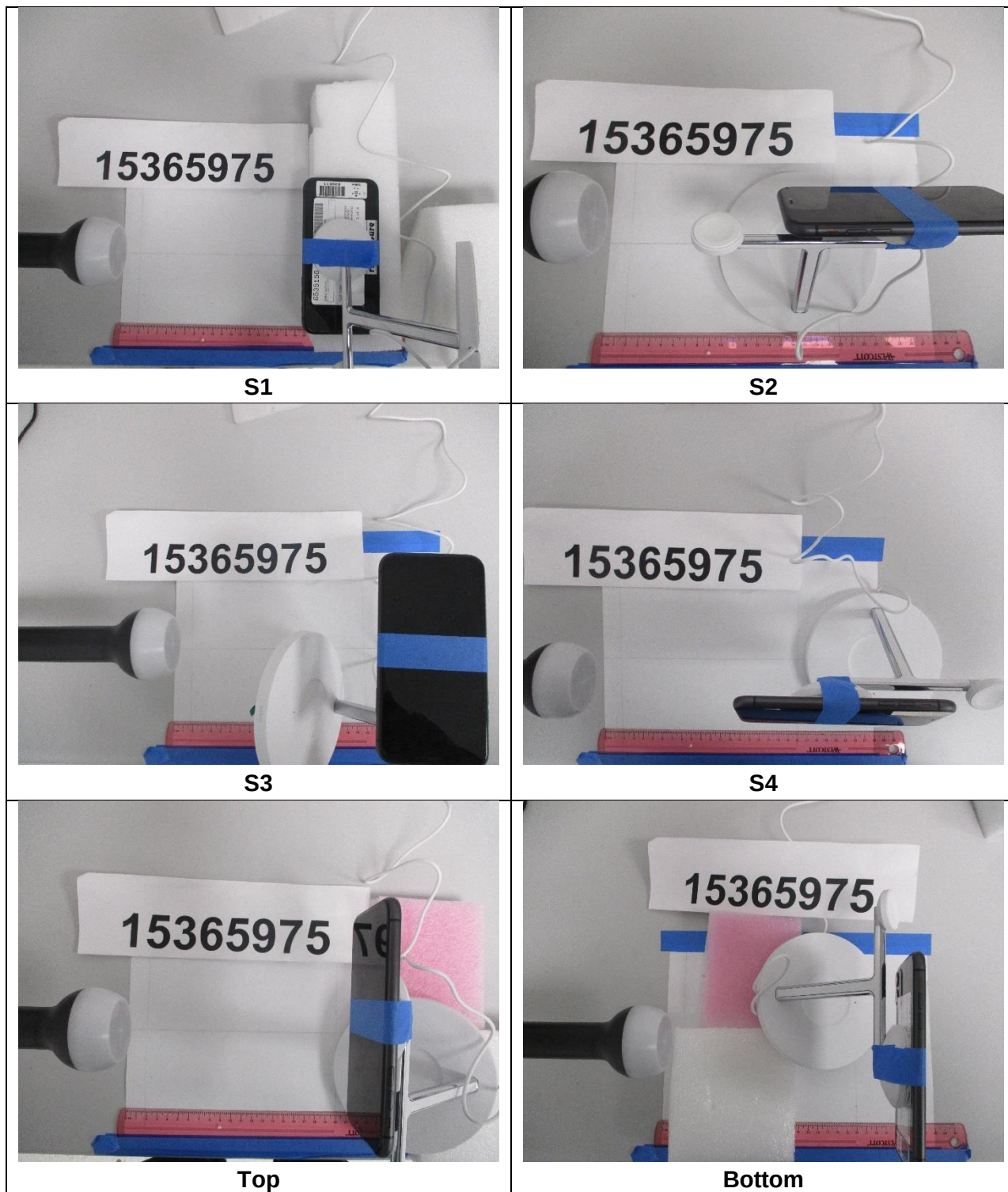
127.7kHz Coil



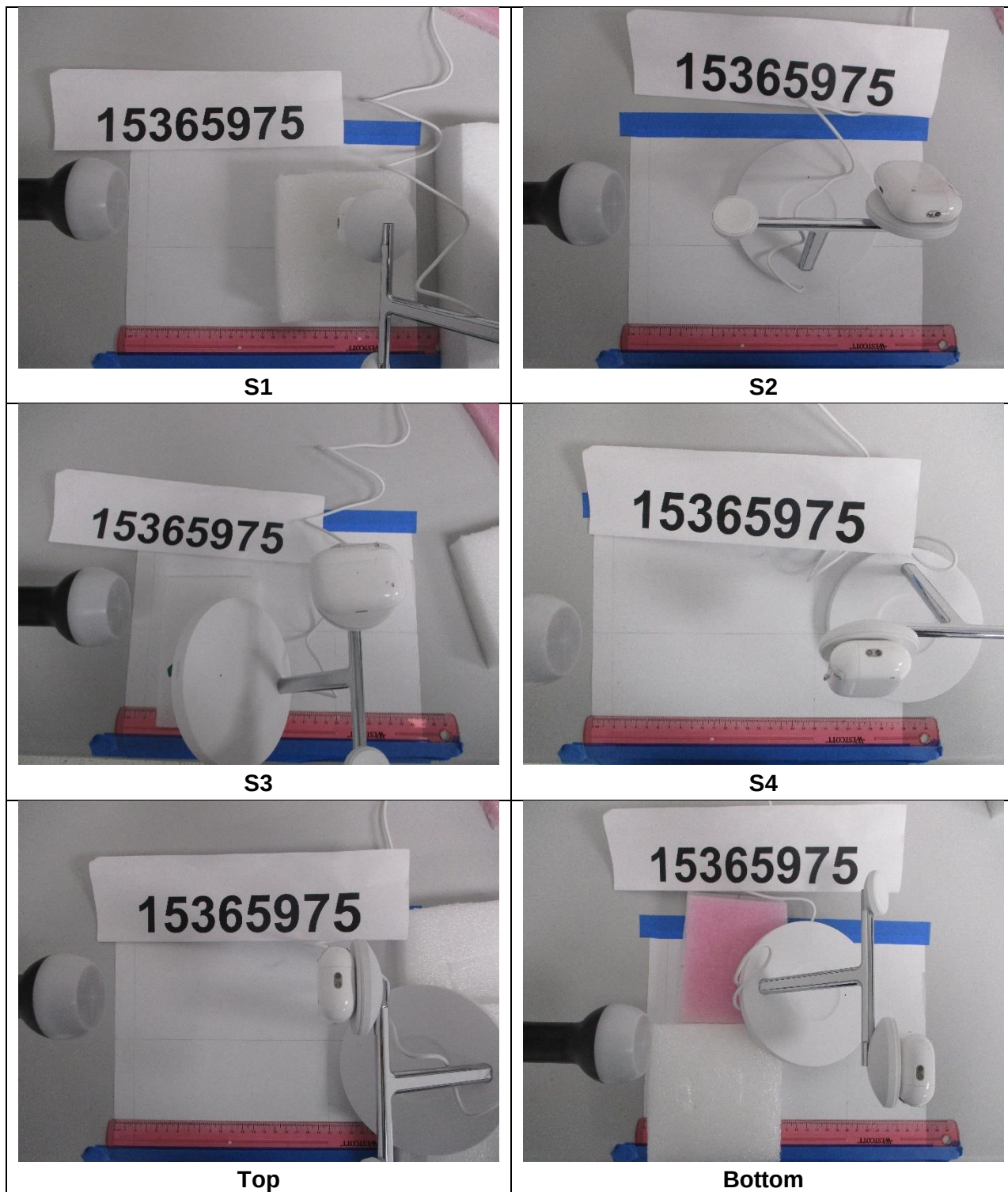
326.5kHz Coil

3.3.2. CONFIGURATION 2: OPERATING MODE WITH iPhone (360kHz)

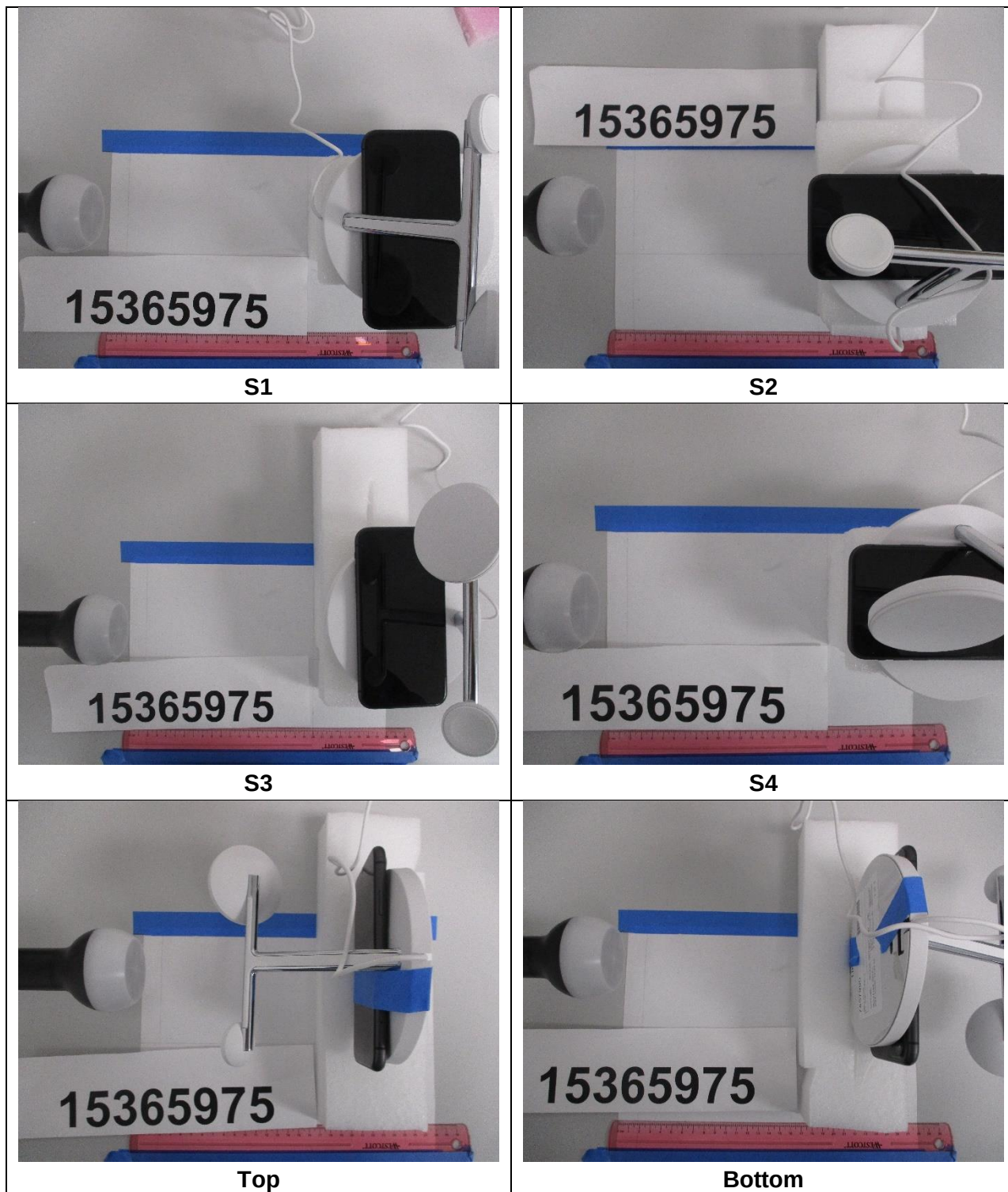
3.3.3. CONFIGURATION 3: OPERATING MODE WITH iPhone (127.7kHz)



3.3.4. CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case (127.7kHz)

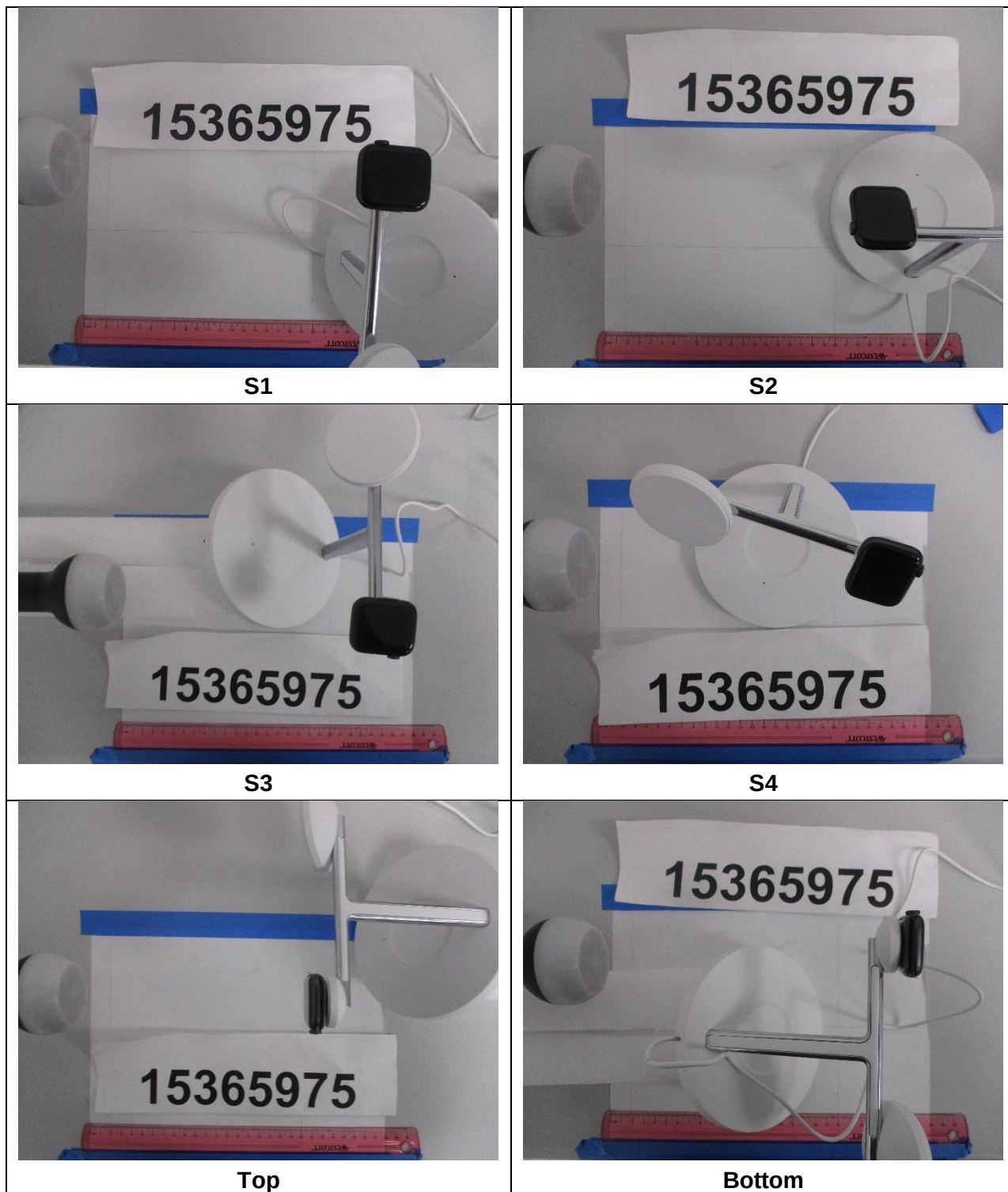


3.3.5. CONFIGURATION 5: OPERATING MODE WITH iPhone (111-148kHz)

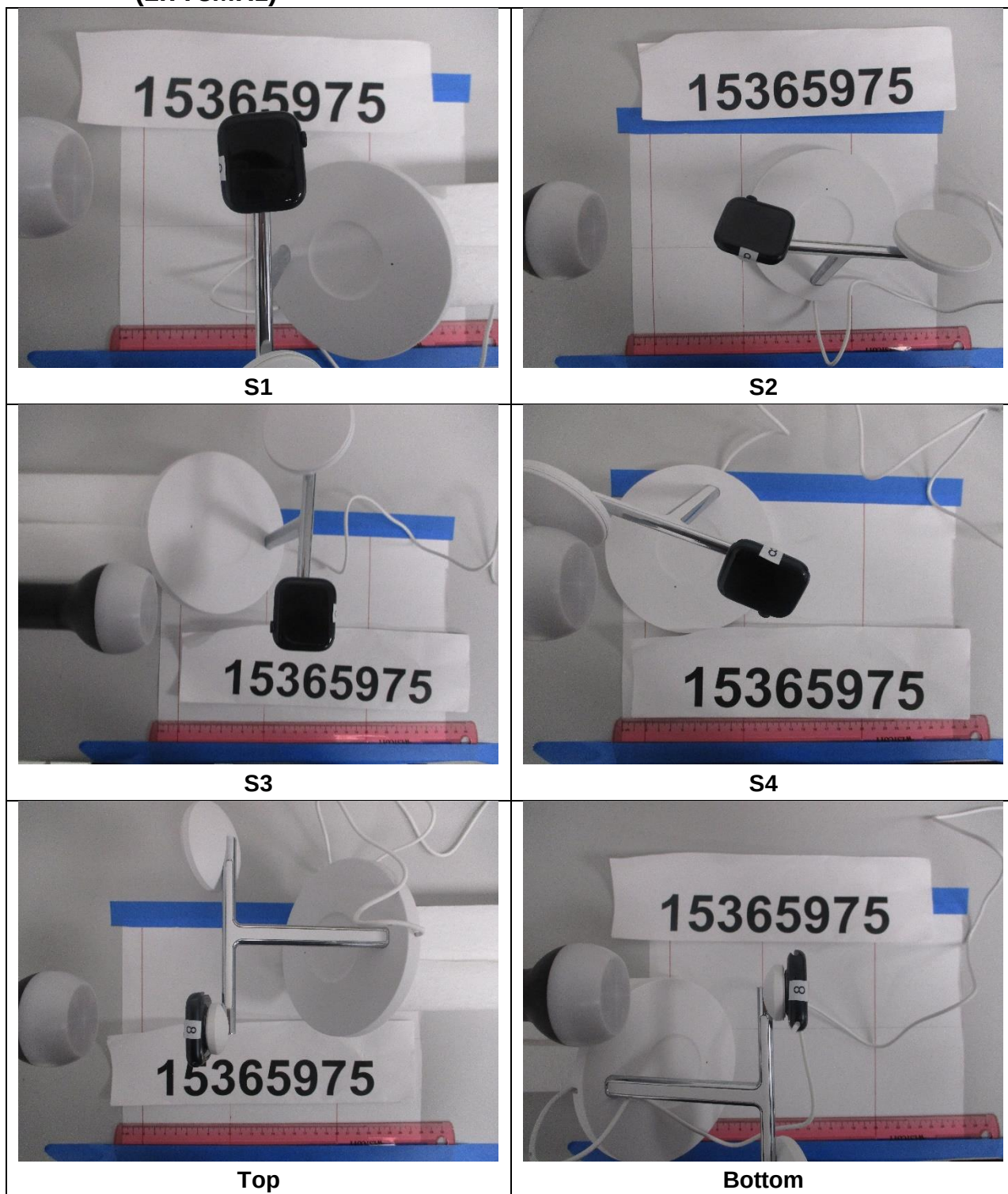


3.3.6. CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case (111-148kHz)



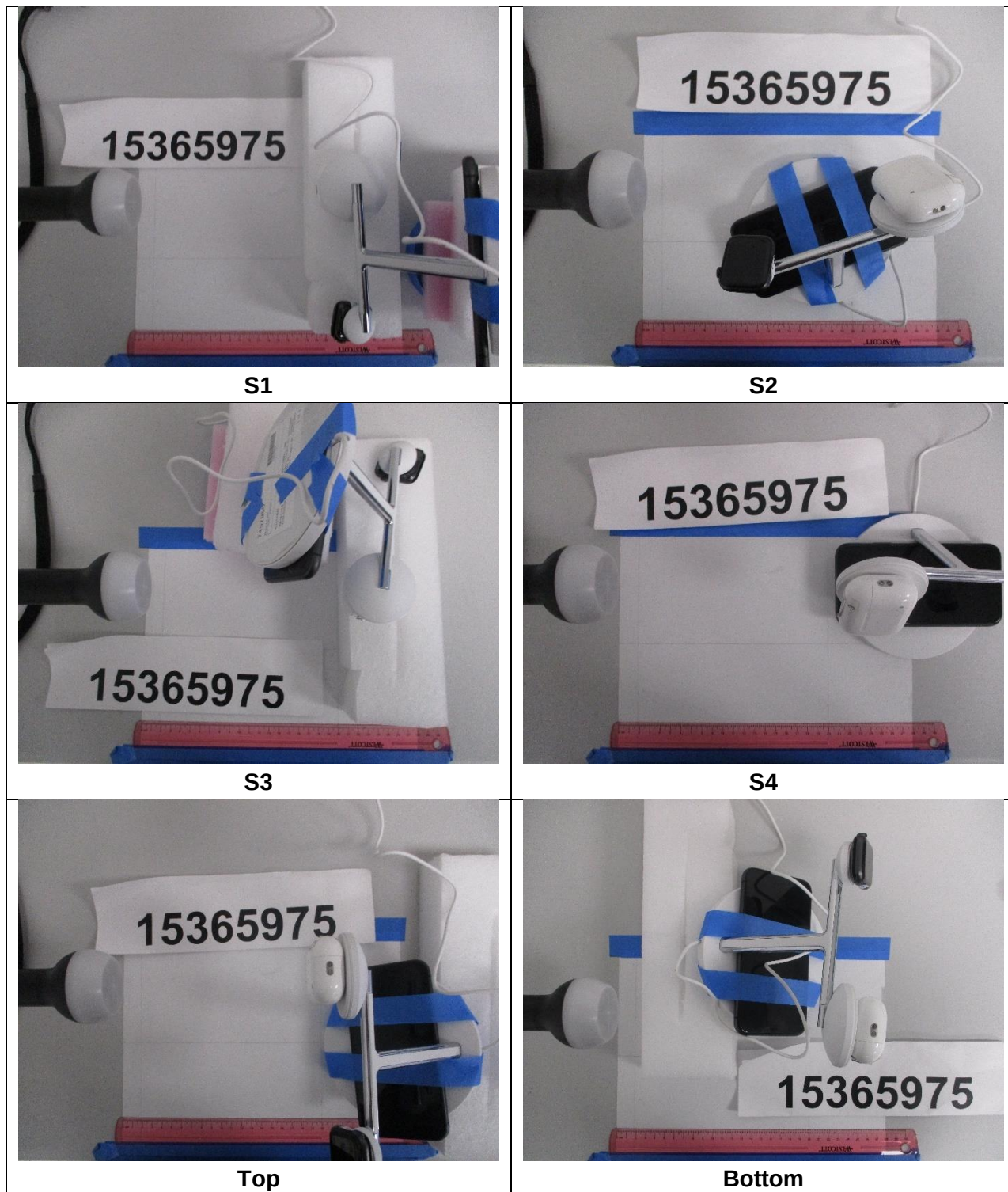
3.3.7. CONFIGURATION 7: OPERATING MODE WITH Watch (326.5kHz)

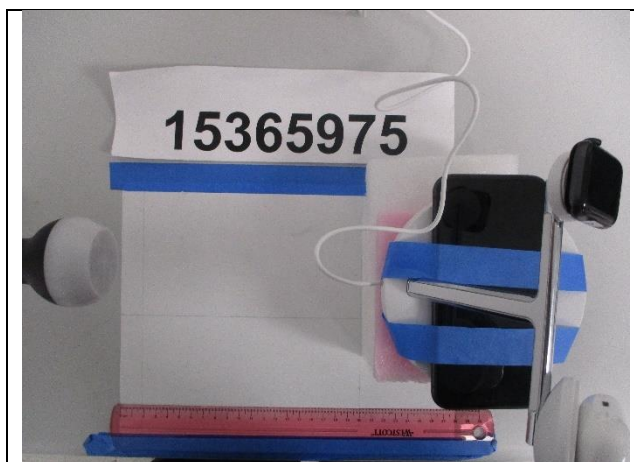
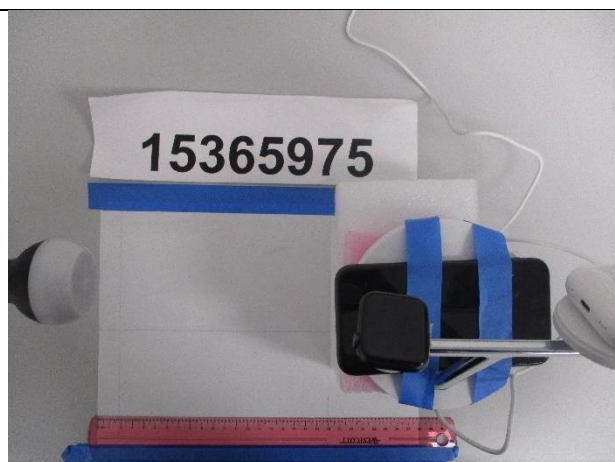
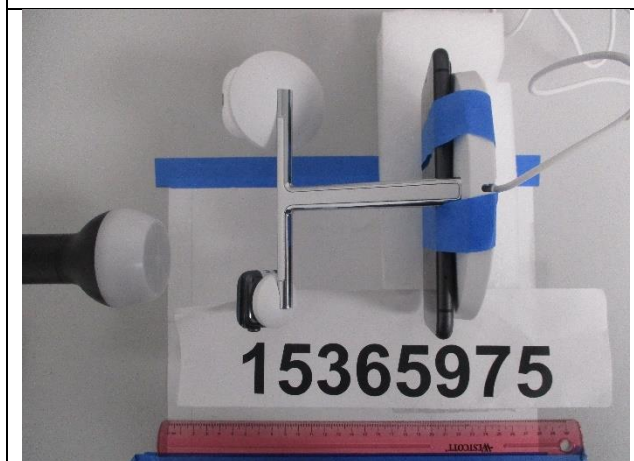
3.3.8. CONFIGURATION 8: OPERATING MODE WITH Watch (1.778MHz)

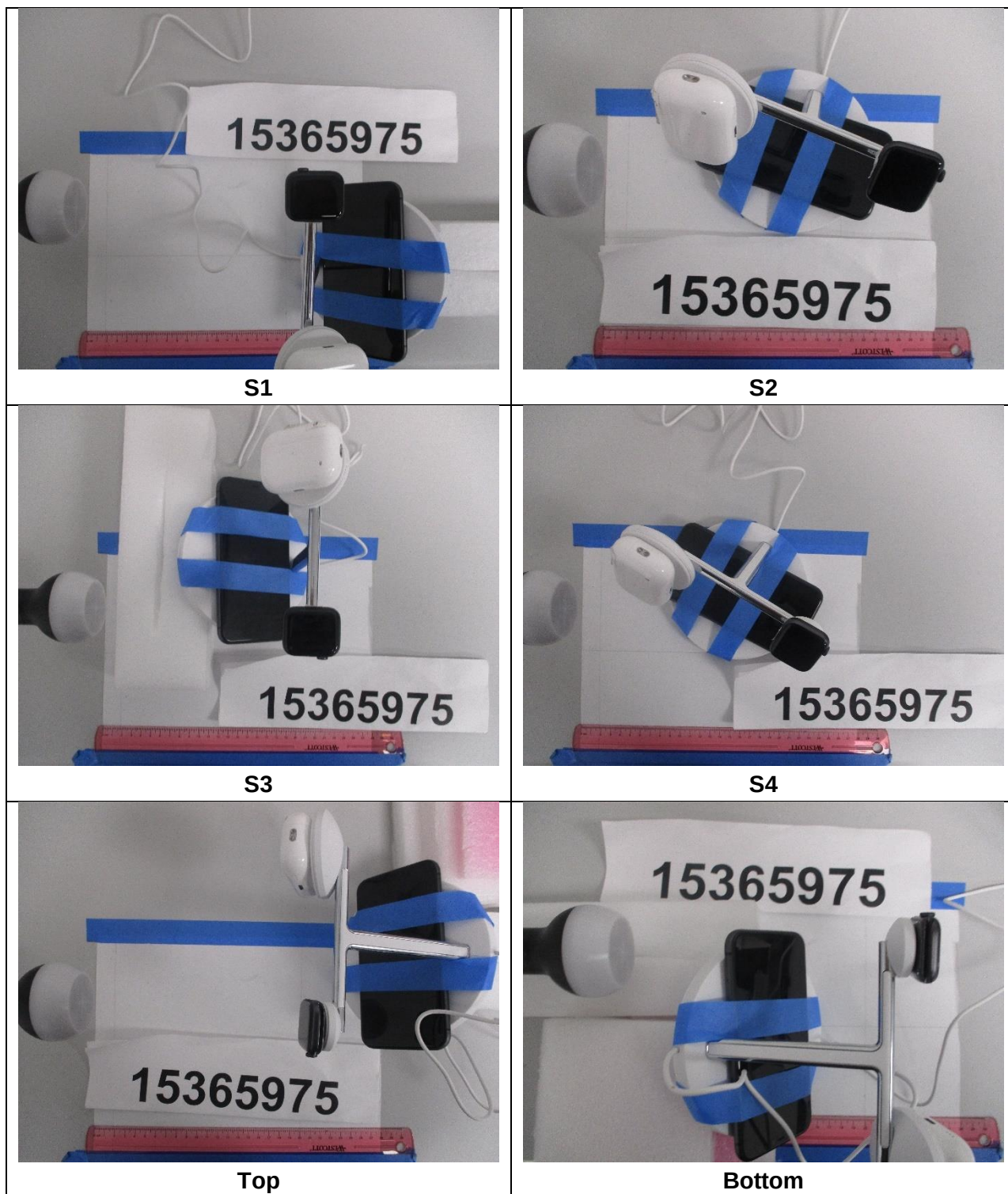


3.3.9. CONFIGURATION 9: OPERATING WITH AirPods Pro Case (127.7kHz)+ iPhone (111-148kHz)+ Watch (326.5kHz)

127.7kHz Coil



111-148kHz Coil**S1****S2****S3****S4****Top****Bottom**

326.kHz Coil**END OF REPORT**