

Report Number: 15259435-EP1V1

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1. SCOPE

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

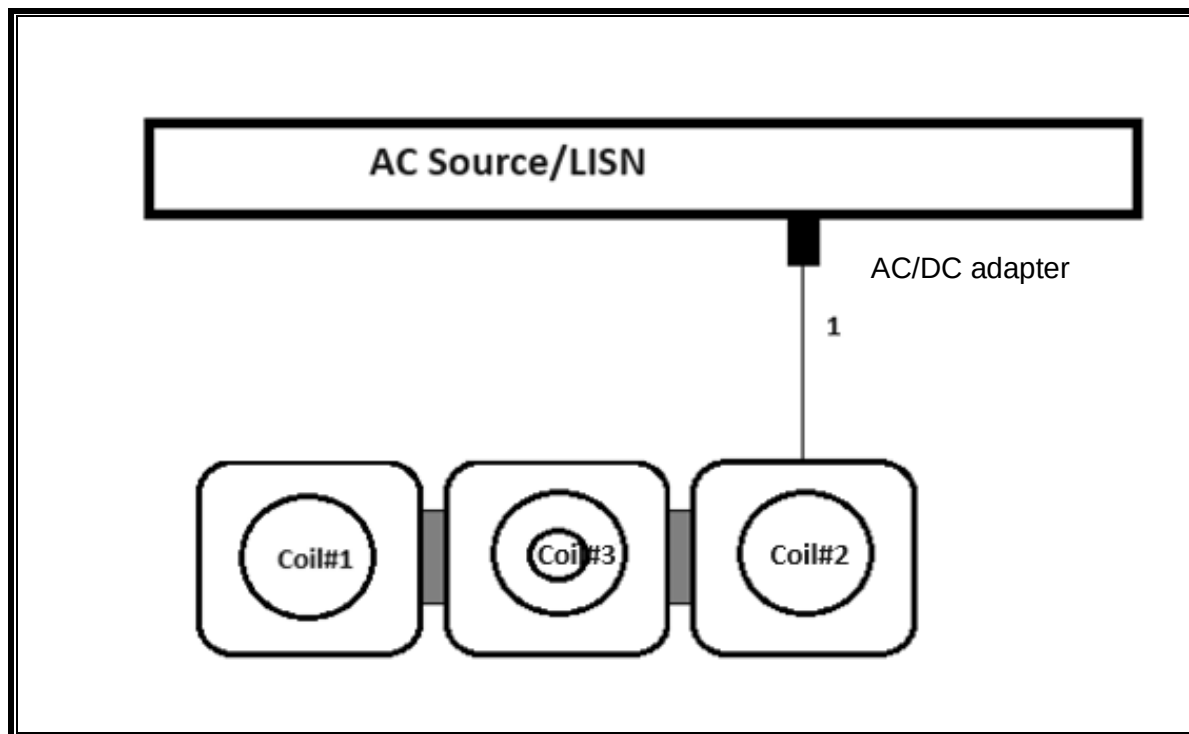
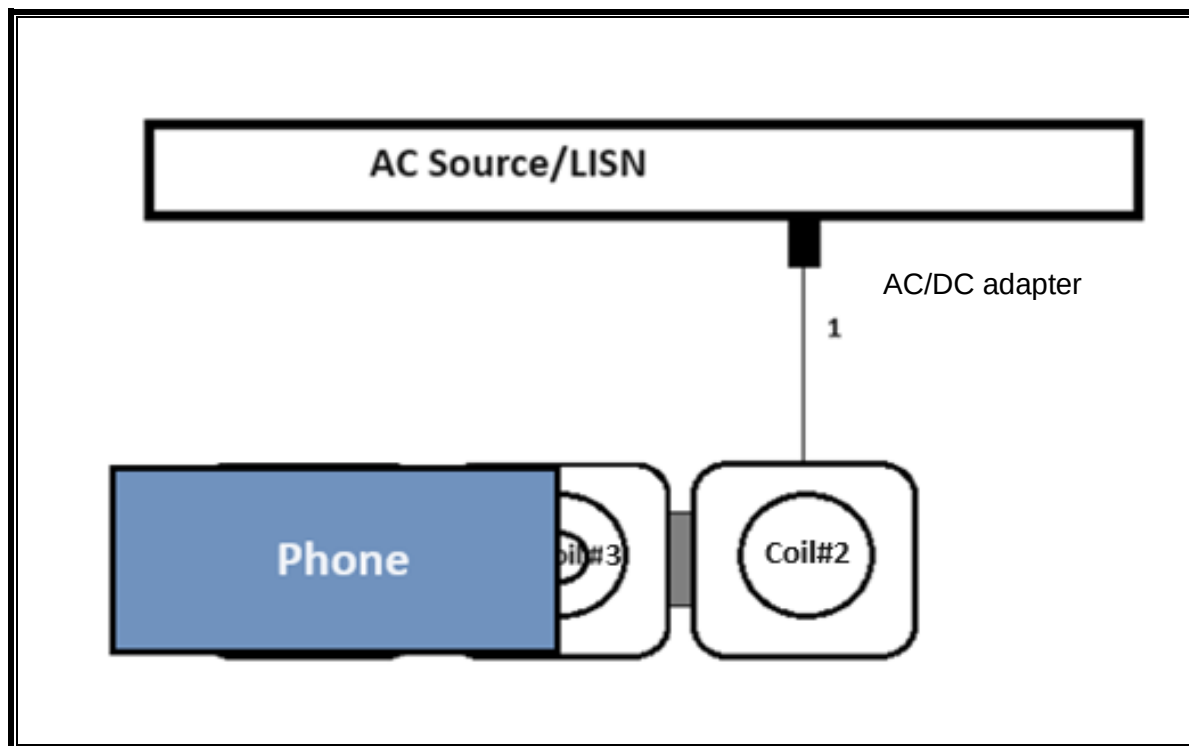
Reports
15259435-E1 FCC WPT Report
15259435-E2 FCC WPT RF Exposure Report

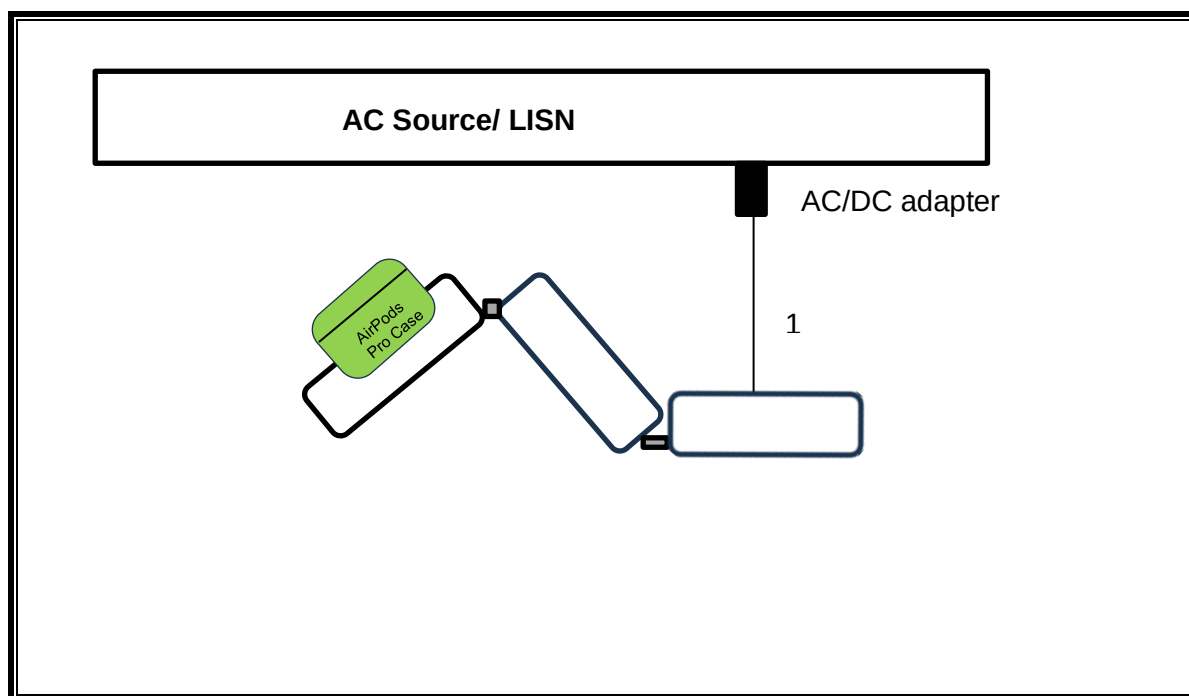
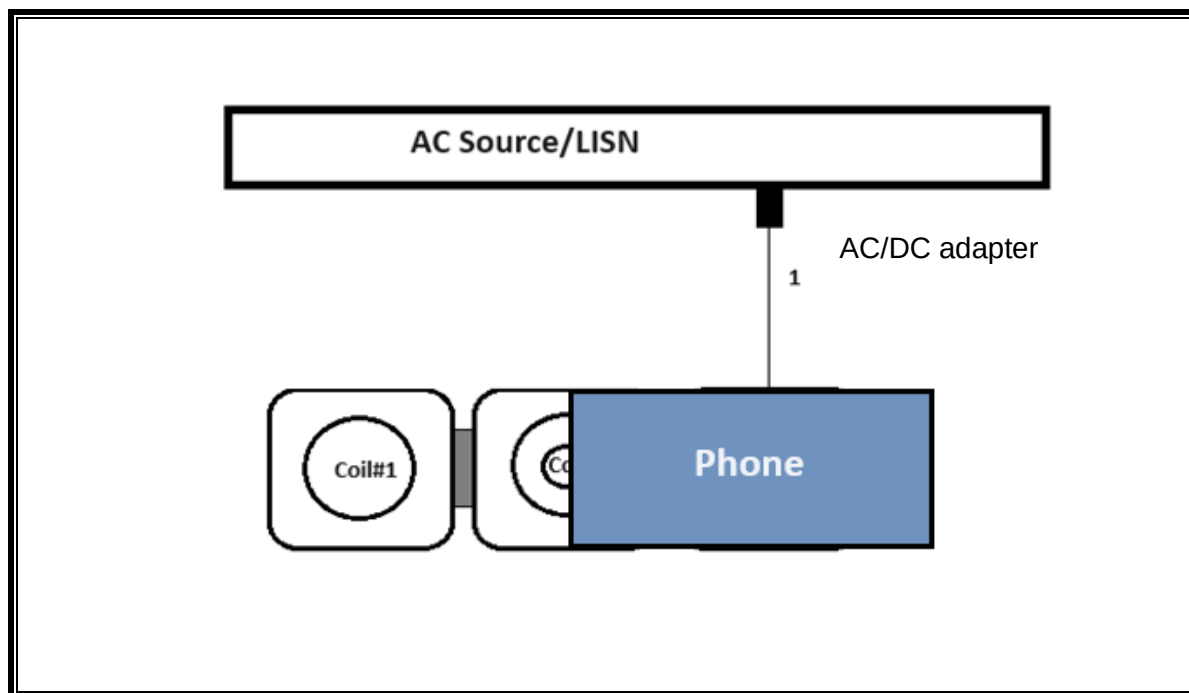
2. WPT TECHNOLOGY (15259435-E1 Report)

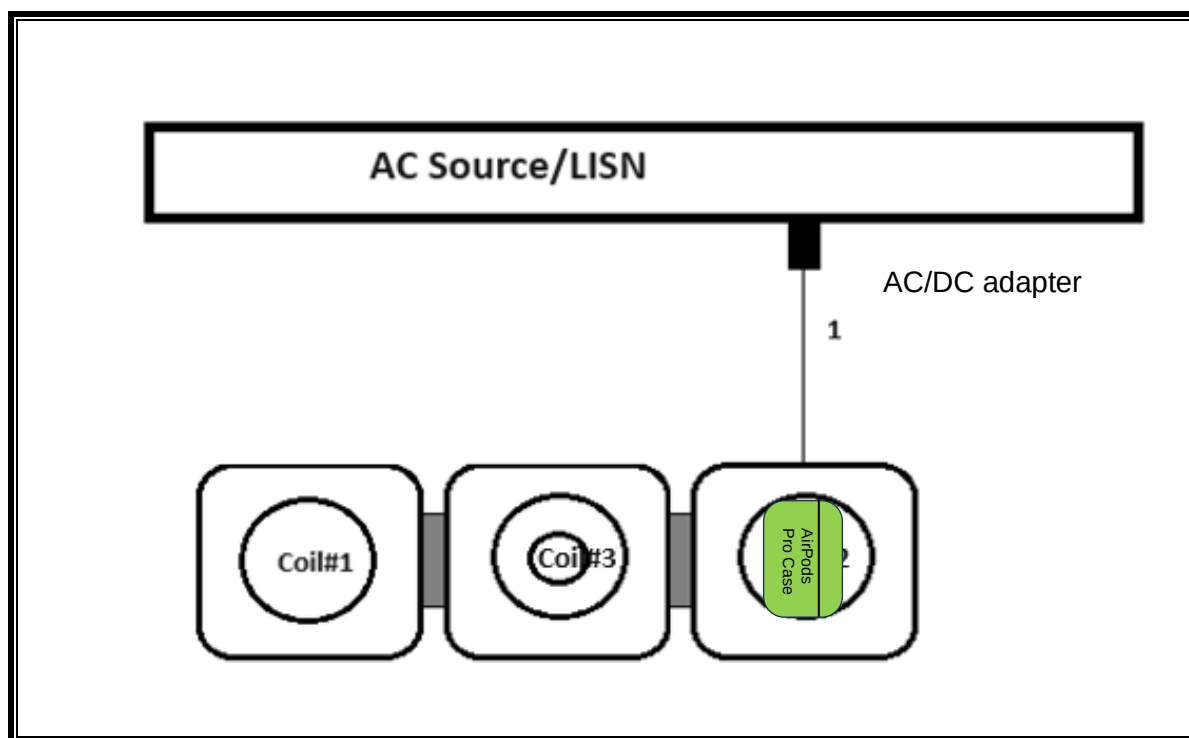
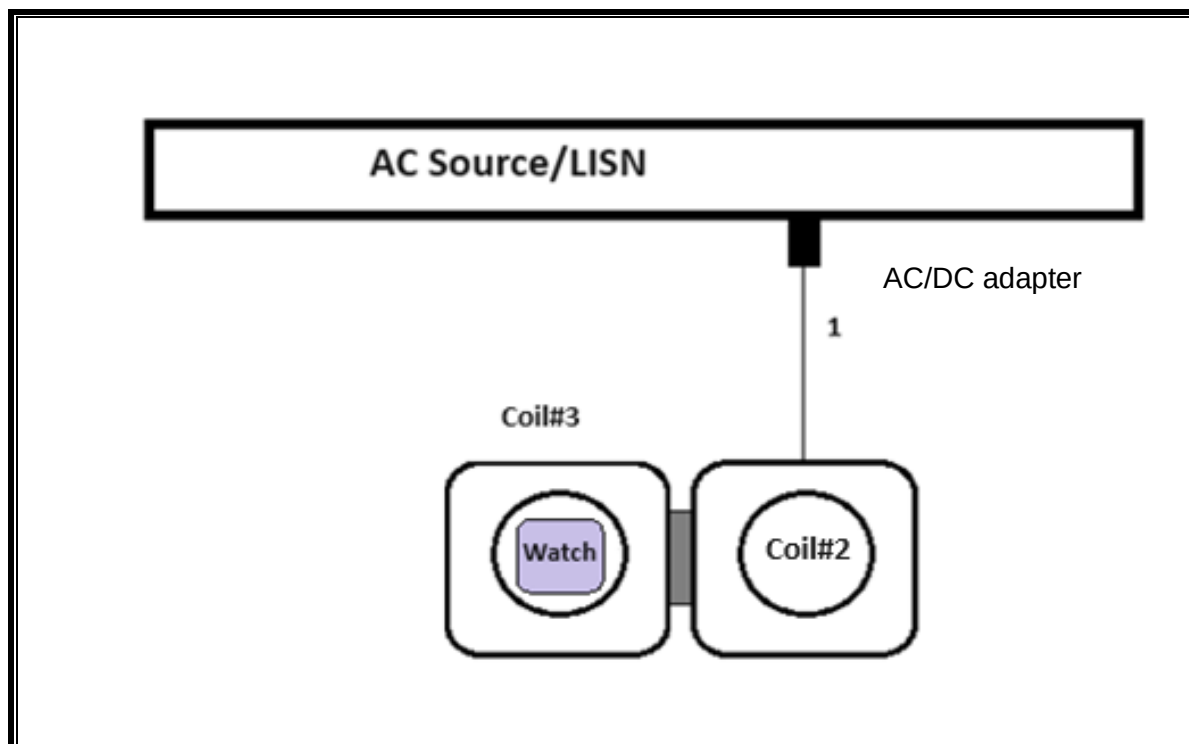
2.1. DESCRIPTION OF TEST SETUP

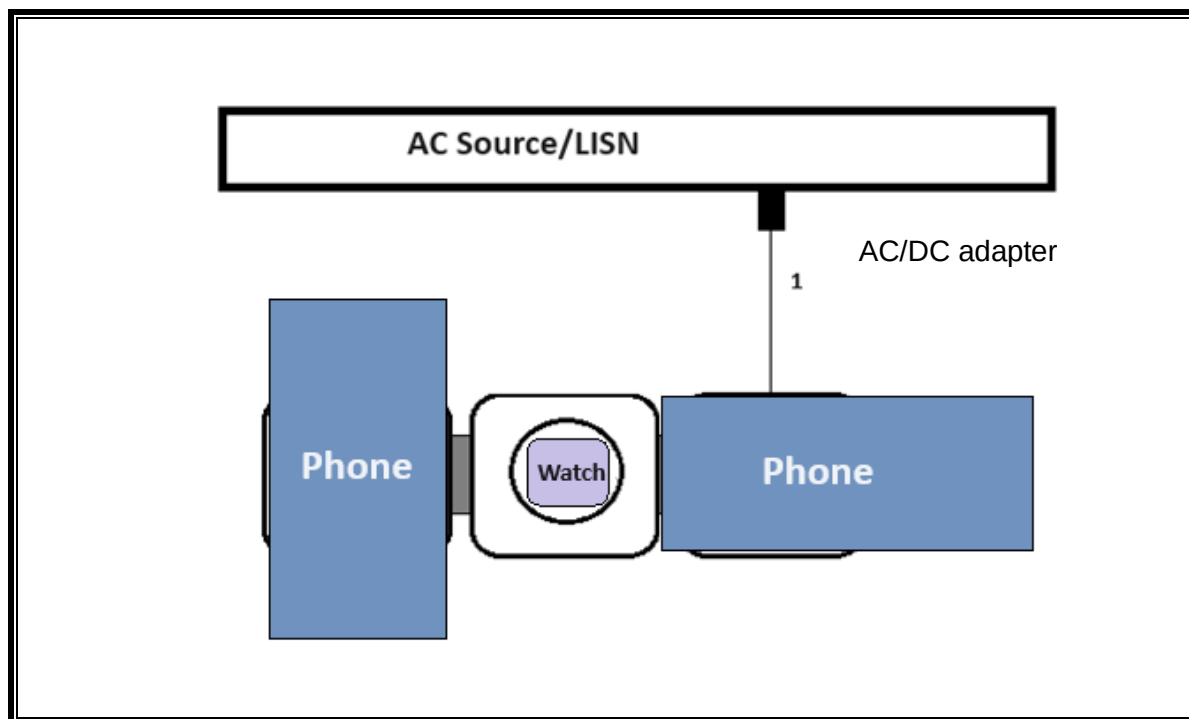
SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
AC/DC Adapter		belkin	A1C036A	Not available		DoC
iPhone 12 (Golden) , Max 15W		Apple	A2342	F2LFL6760D41		BCG-E3548A
iPhone 12 (Golden) , Max 15W		Apple	A2342	F2LFKNTW0D41		BCG-E3548A
iPhone 12 (Golden) , Max 15W		Apple	A2342	F2LFP3R0D41		BCG-E3548A
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	USB Type C	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**

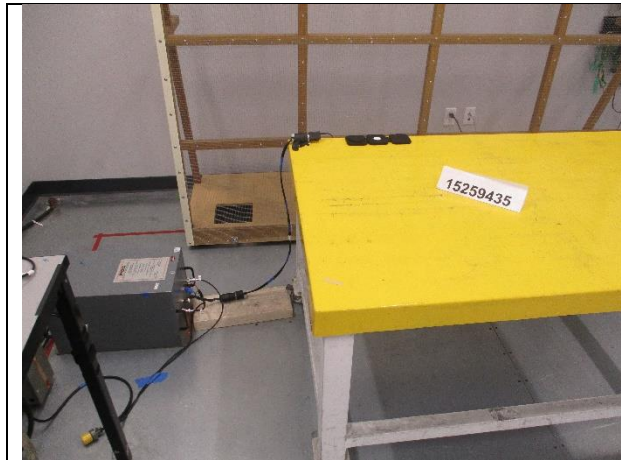
CONFIGURATION 4: OPERATING MODE WITH AIRPODS PRO CASE**CONFIGURATION 5: OPERATING MODE WITH PHONE**

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

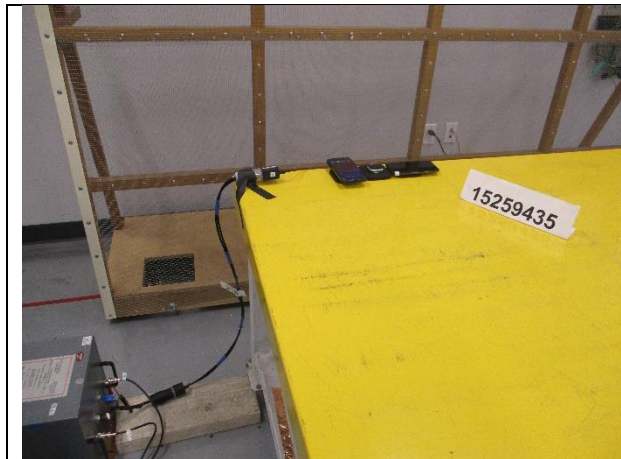


AC LINE CONDUCTED (FRONT)



AC LINE CONDUCTED (BACK)

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



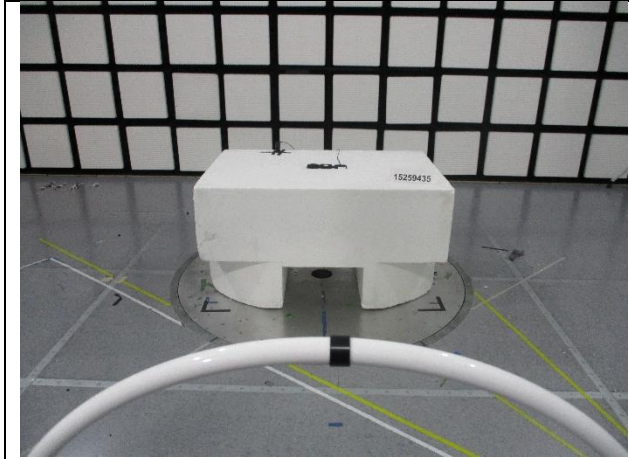
AC LINE CONDUCTED (FRONT)



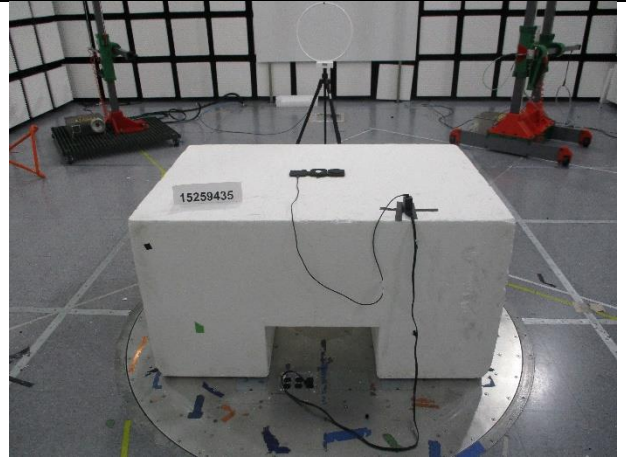
AC LINE CONDUCTED (BACK)

2.3. WPT RADIATED RF MEASUREMENT SETUP

2.3.1. CONFIGURATION 1: WPT ON STANDBY



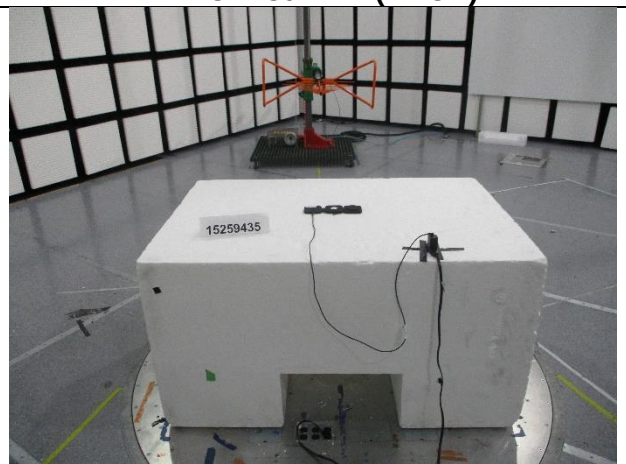
BELOW 30 MHz (FRONT)



BELOW 30 MHz (BACK)

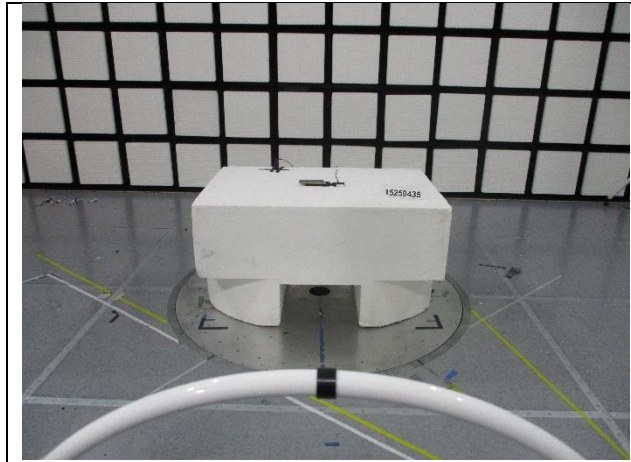


BELOW 1GHz (FRONT)

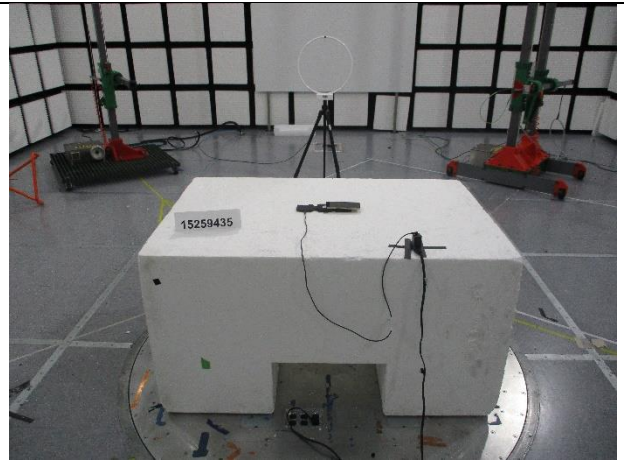


BELOW 1GHz (BACK)

2.3.2. CONFIGURATION 2: OPERATING MODE WITH Phone (360kHz)

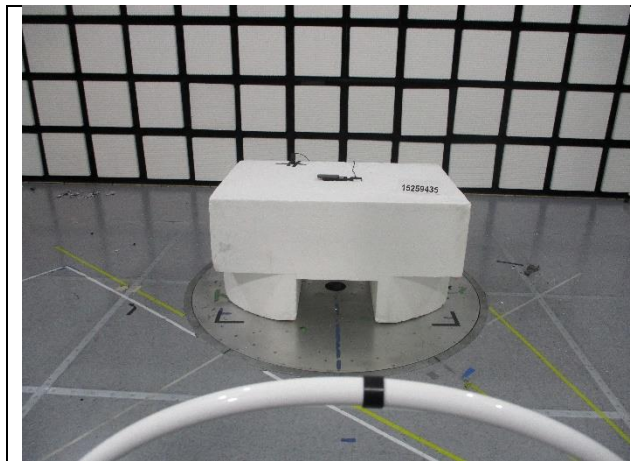


BELOW 30 MHz (FRONT)

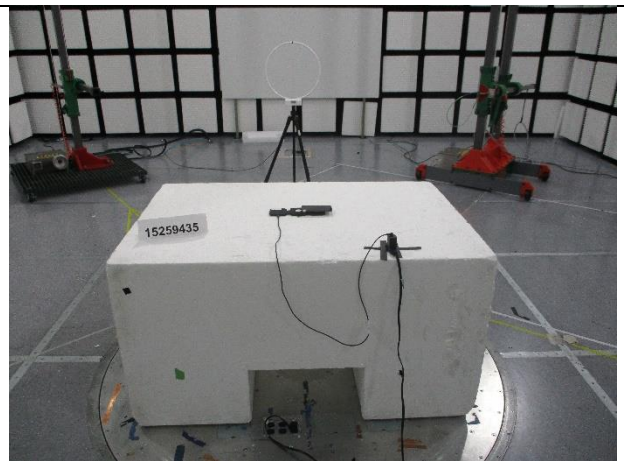


BELOW 30 MHz (BACK)

2.3.3. CONFIGURATION 3: OPERATING MODE WITH Phone (127.7kHz)



BELOW 30 MHz (FRONT)

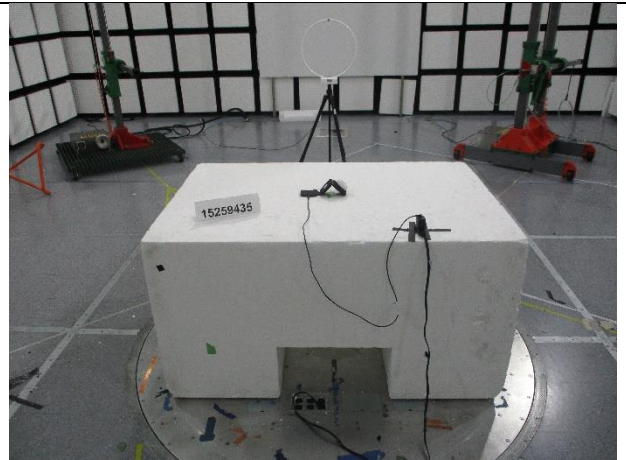


BELOW 30 MHz (BACK)

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

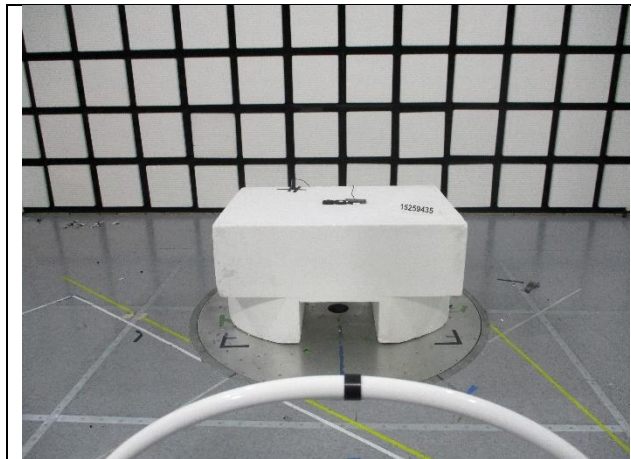


BELOW 30 MHz (FRONT)

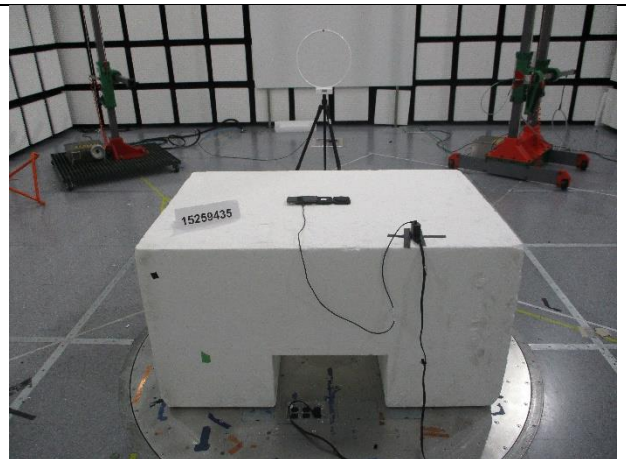


BELOW 30 MHz (BACK)

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



BELOW 30 MHz (FRONT)

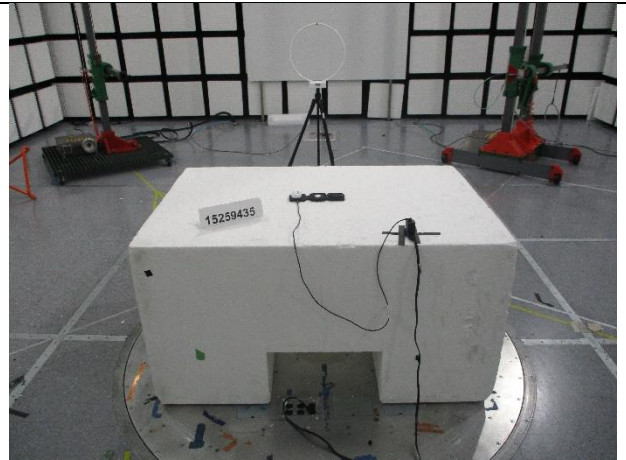


BELOW 30 MHz (BACK)

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



BELOW 30 MHz (FRONT)

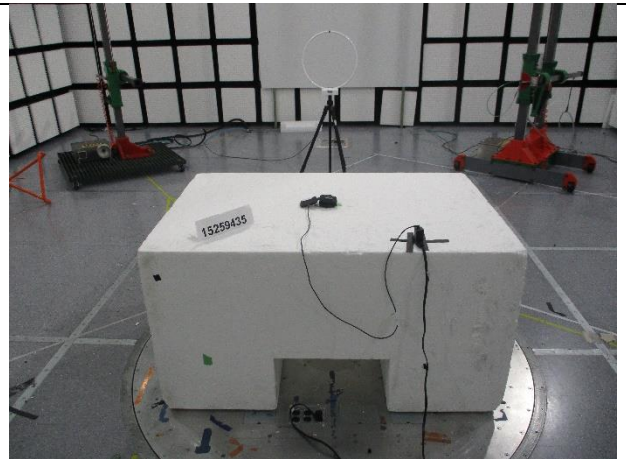


BELOW 30 MHz (BACK)

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

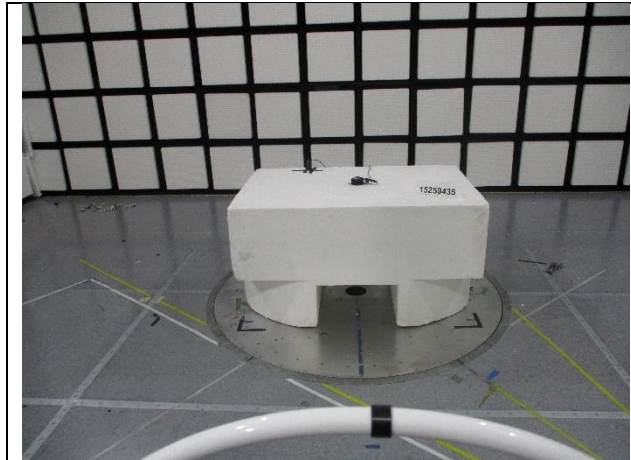


BELOW 30 MHz (FRONT)

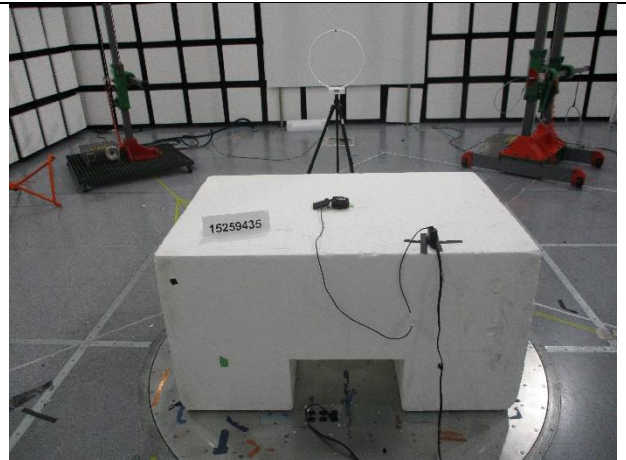


BELOW 30 MHz (BACK)

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

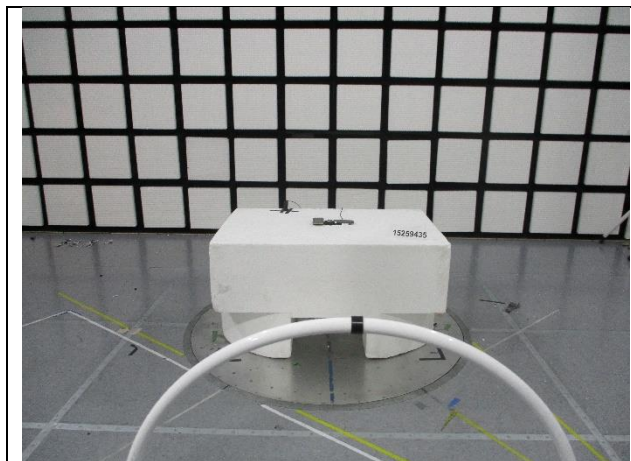


BELOW 30 MHz (FRONT)

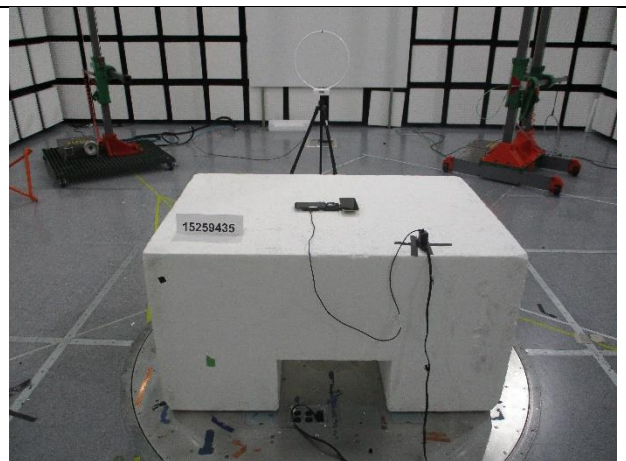


BELOW 30 MHz (BACK)

2.3.9. CONFIGURATION 9: OPERATING MODE WITH Phone (360kHz) + Phone (111-148kHz) + Watch (1.778MHz)



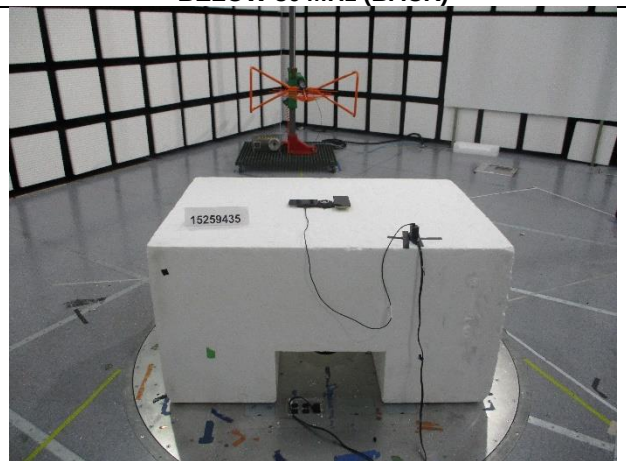
BELOW 30 MHz (FRONT)



BELOW 30 MHz (BACK)



BELOW 1GHz (FRONT)



BELOW 1GHz (BACK)

3. RF EXPOSURE (15259435-E2 Report)

3.1. DESCRIPTION OF TEST SETUP

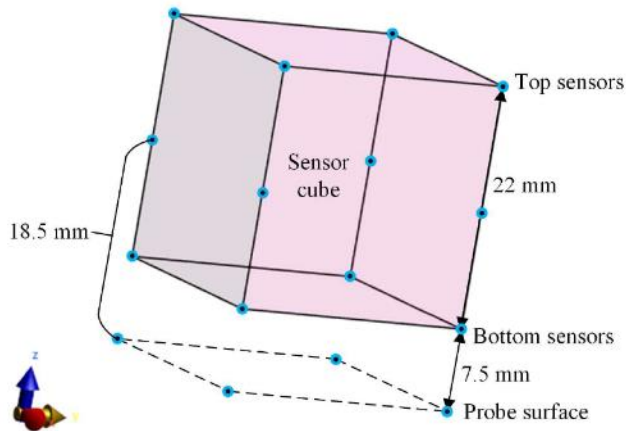
SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
AC/DC Adapter		Belkin	A1C036A	Not available		DoC
iPhone 14 Pro (black), Max 15W		Apple	A2660	HKWX92F211		579C-E8140A
iPhone 14 Pro (Purple), Max 15W		Apple	A2660	J2GJYV7CK0		579C-E8140A
Legacy iPhone 11 (black), Max 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	USB Type C	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.



AC Source/LISN

AC/DC adapter

1

Bottom

S1

S2

S4

Coil#1

Coil#2

Coil#3

S1

S2

S3

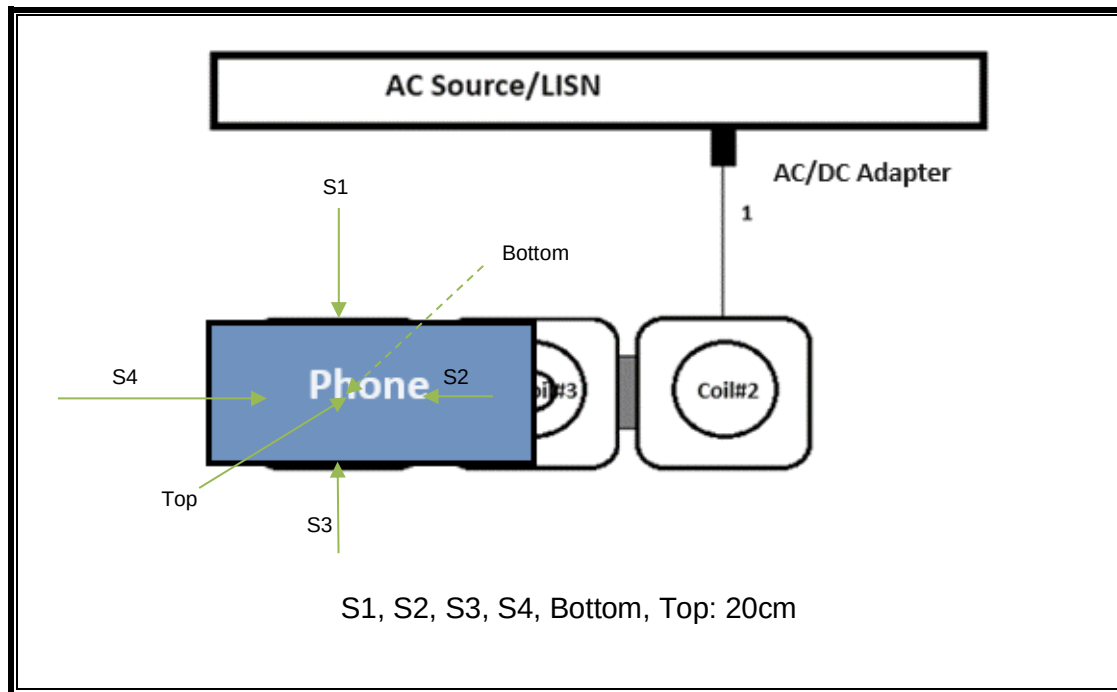
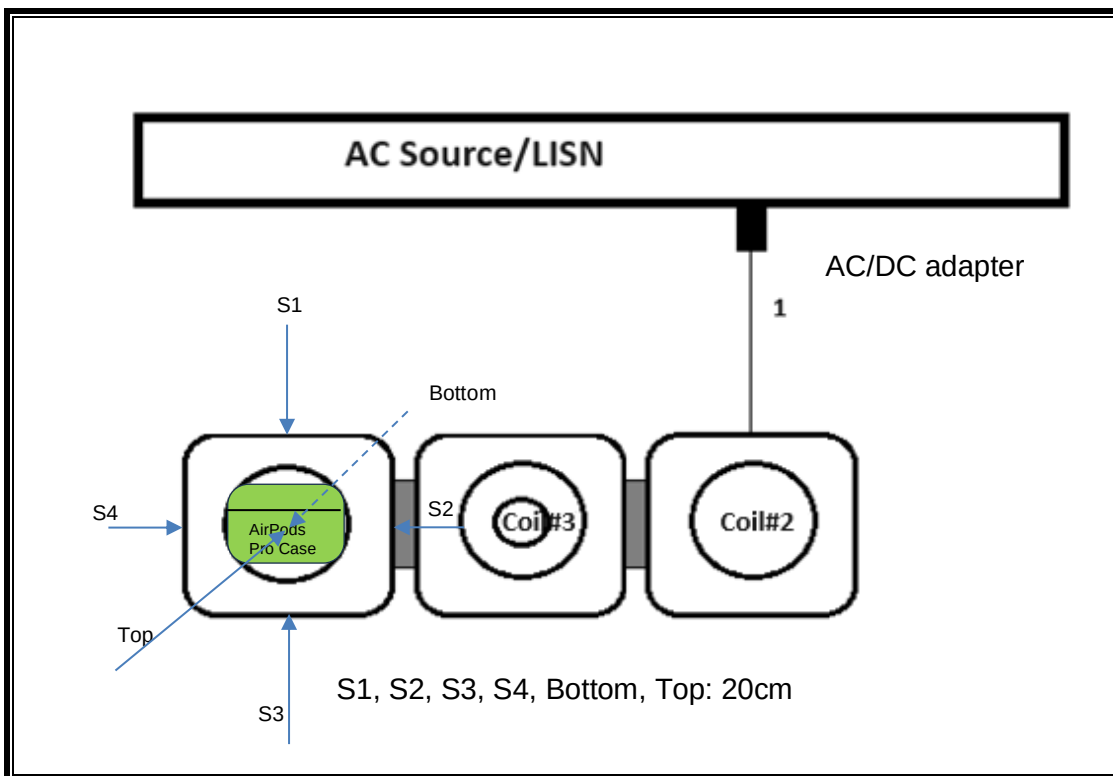
S4

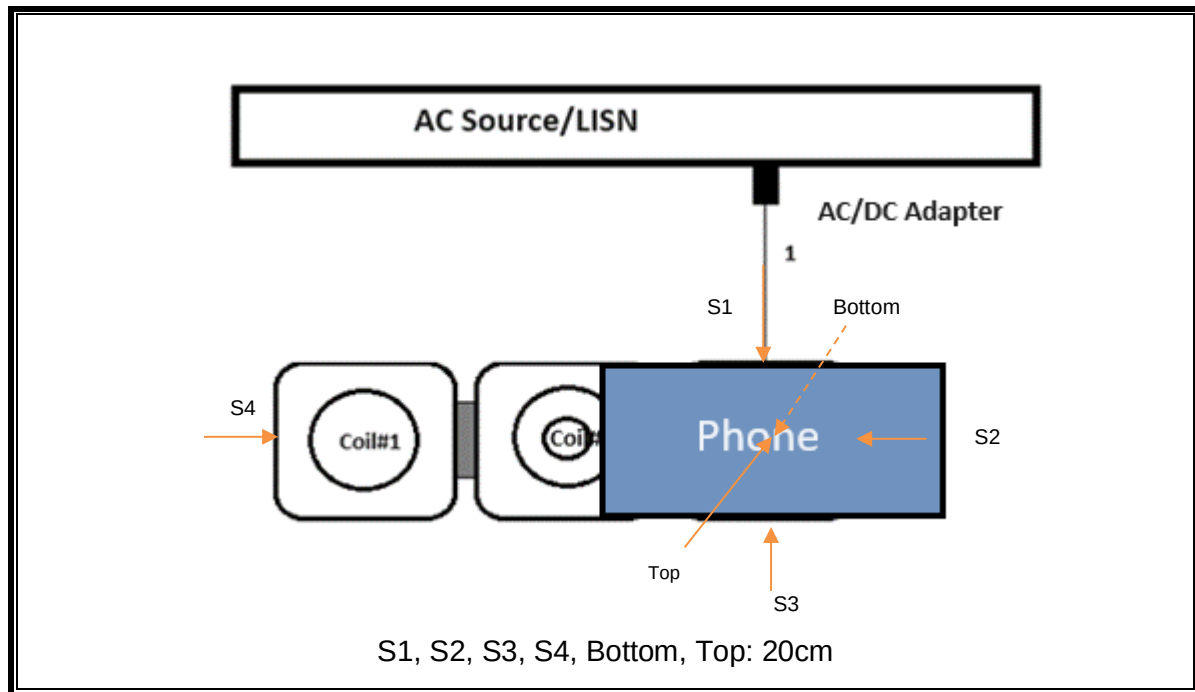
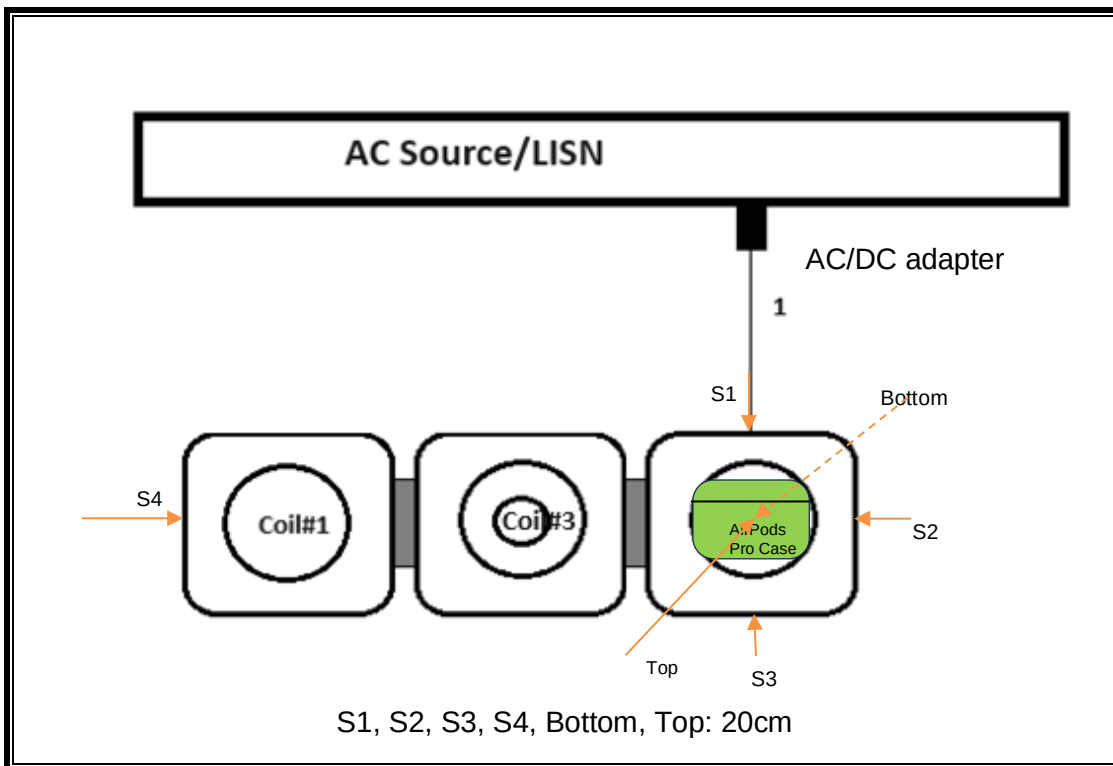
Top

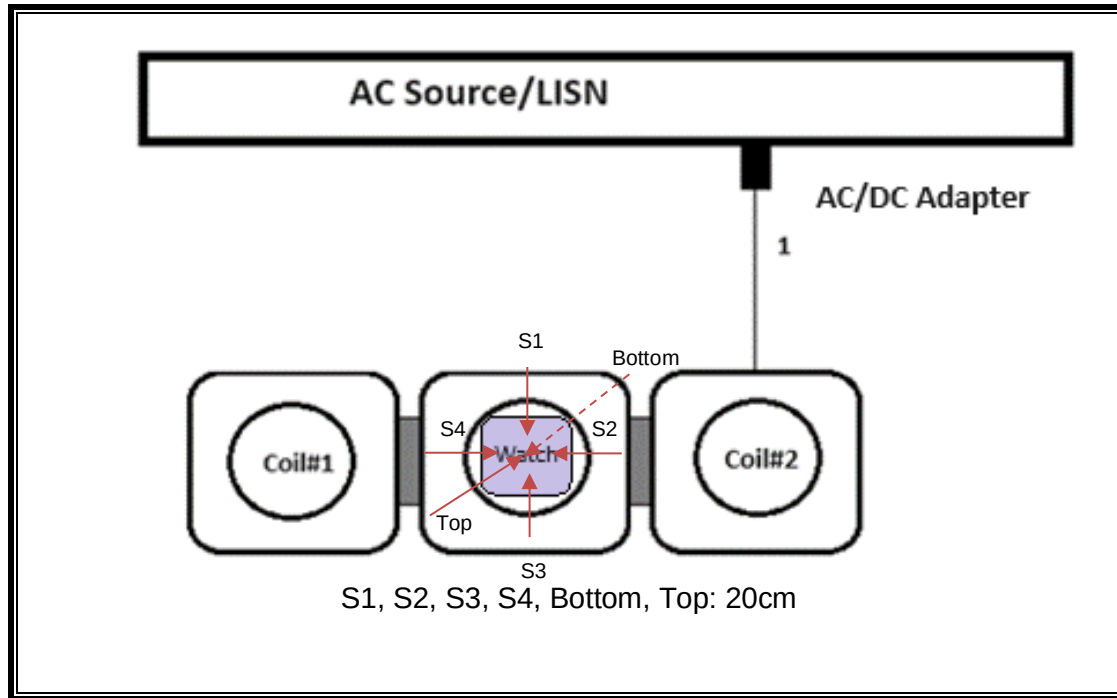
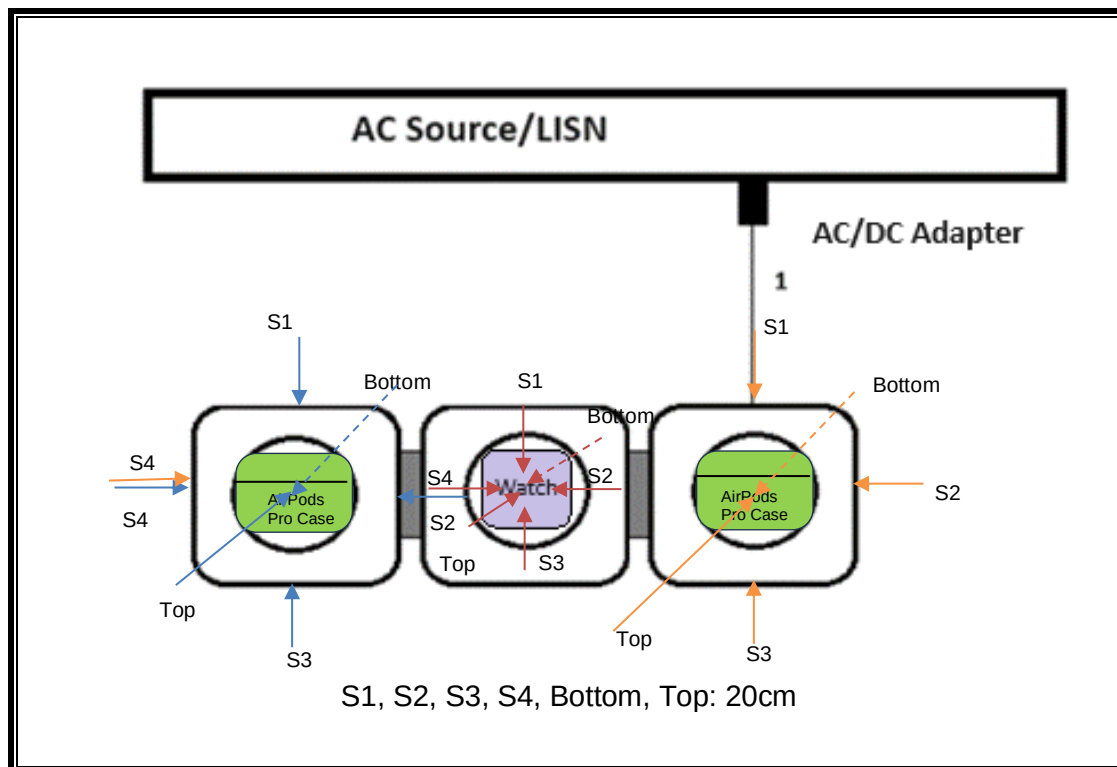
Bottom

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

[illegible]

CONFIGURATION 3: OPERATING MODE WITH Phone**CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case**

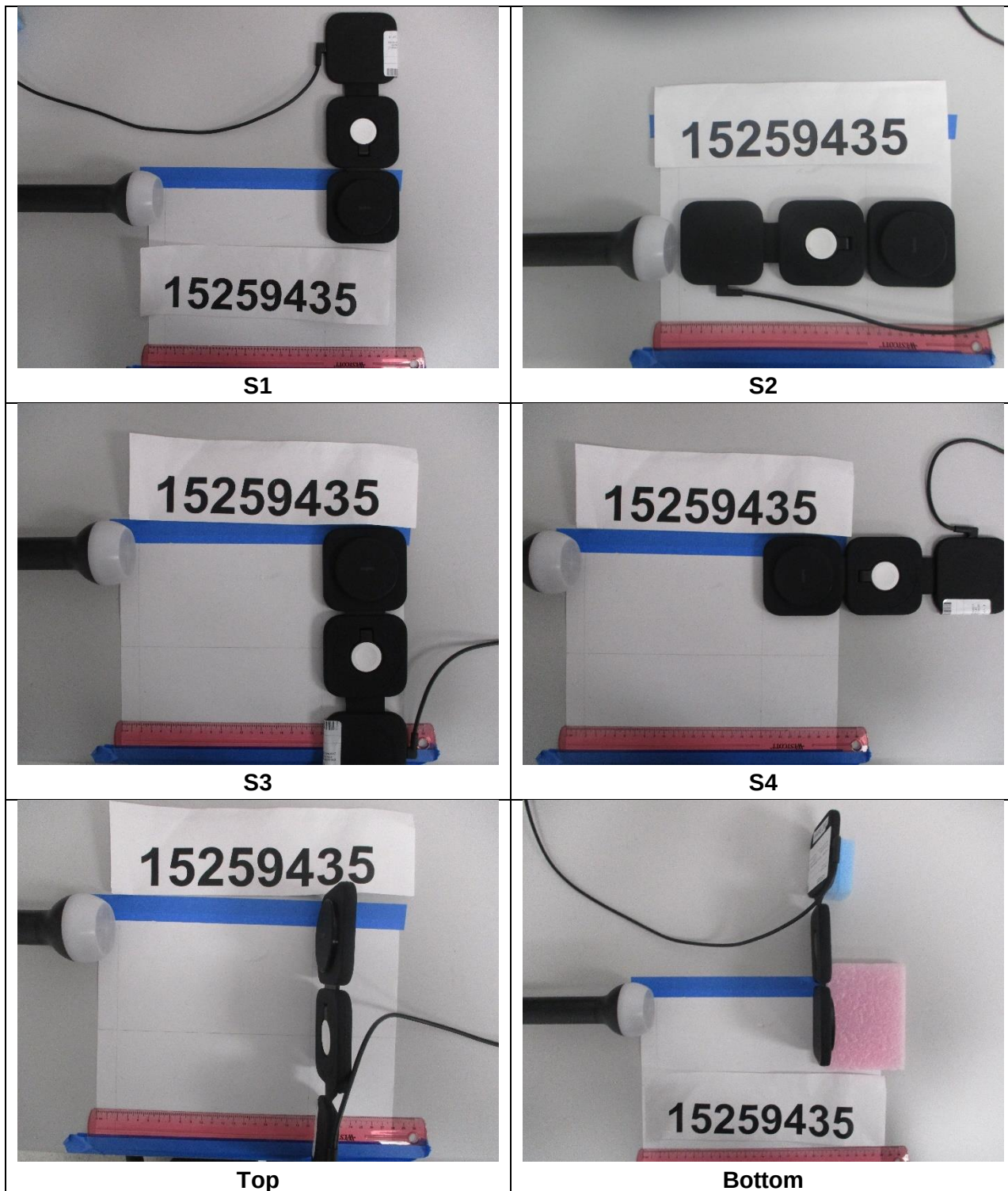
CONFIGURATION 5: OPERATING MODE WITH Phone**CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case**

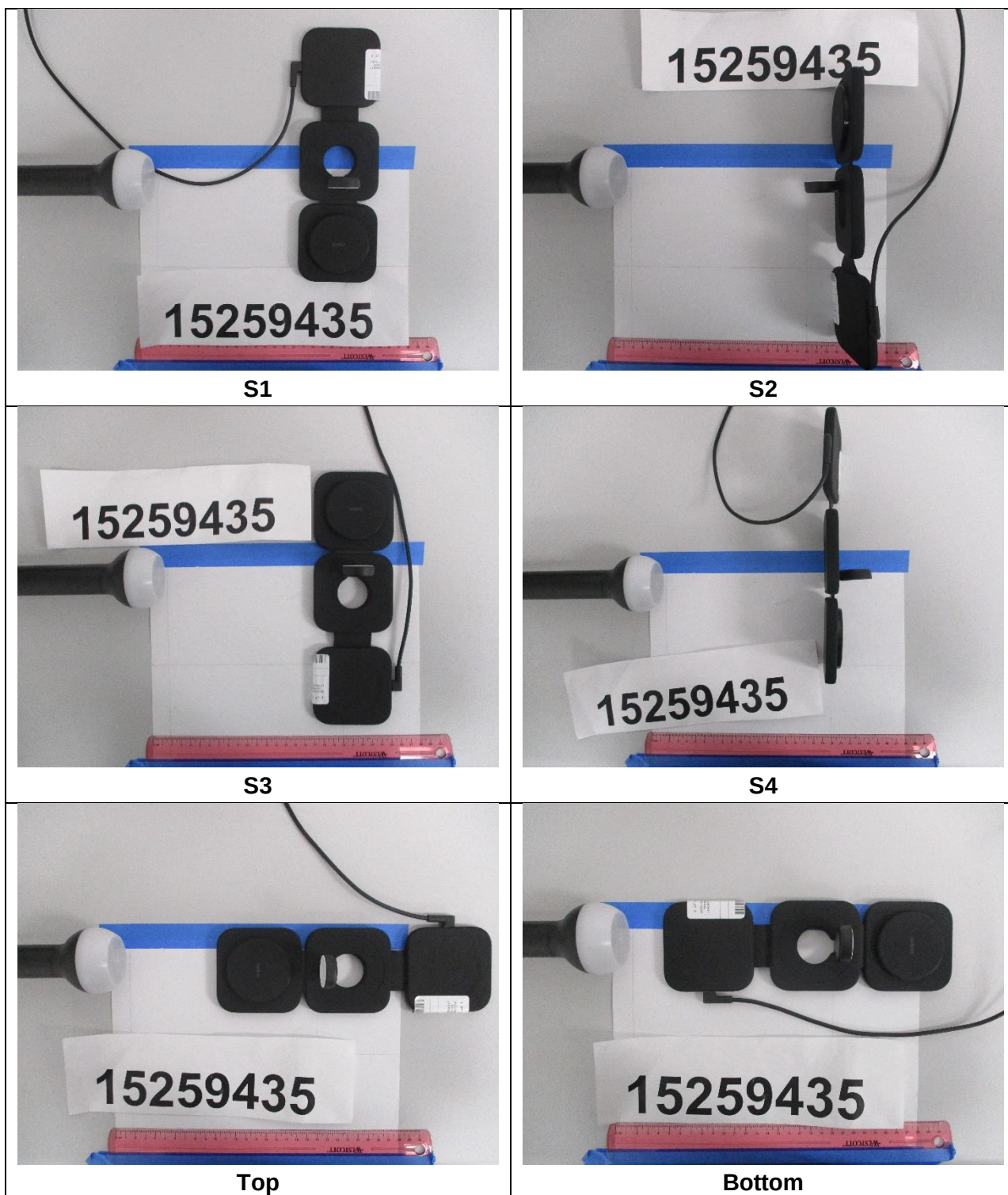
CONFIGURATION 7/8: OPERATING WITH Watch**CONFIGURATION 9: OPERATING MODE WITH AirPods Pro Case + AirPods Pro Case + Watch**

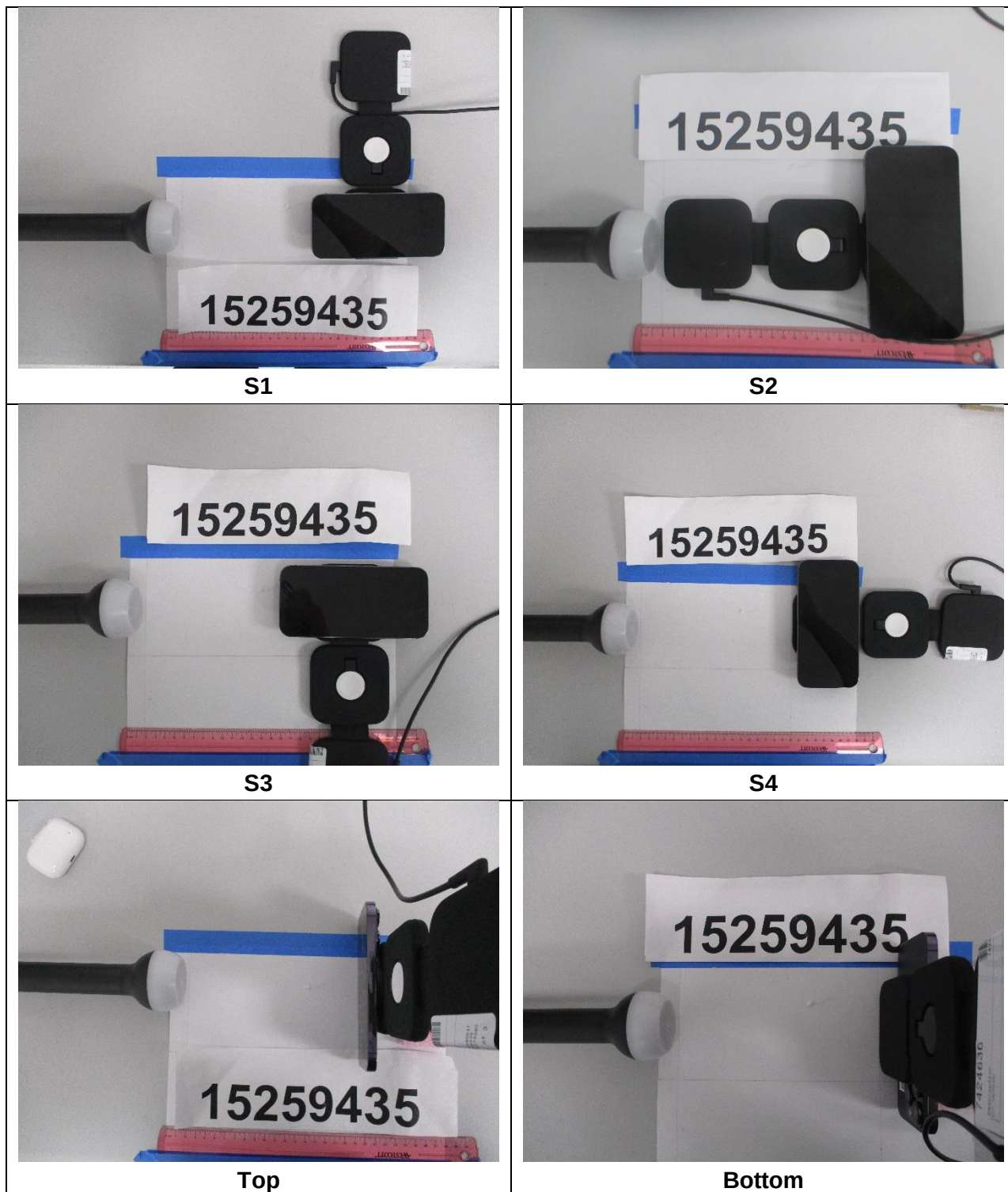
3.3. RF EXPOSURE SETUP PHOTO

3.3.1. CONFIGURATION 1: WPT ON STANDBY

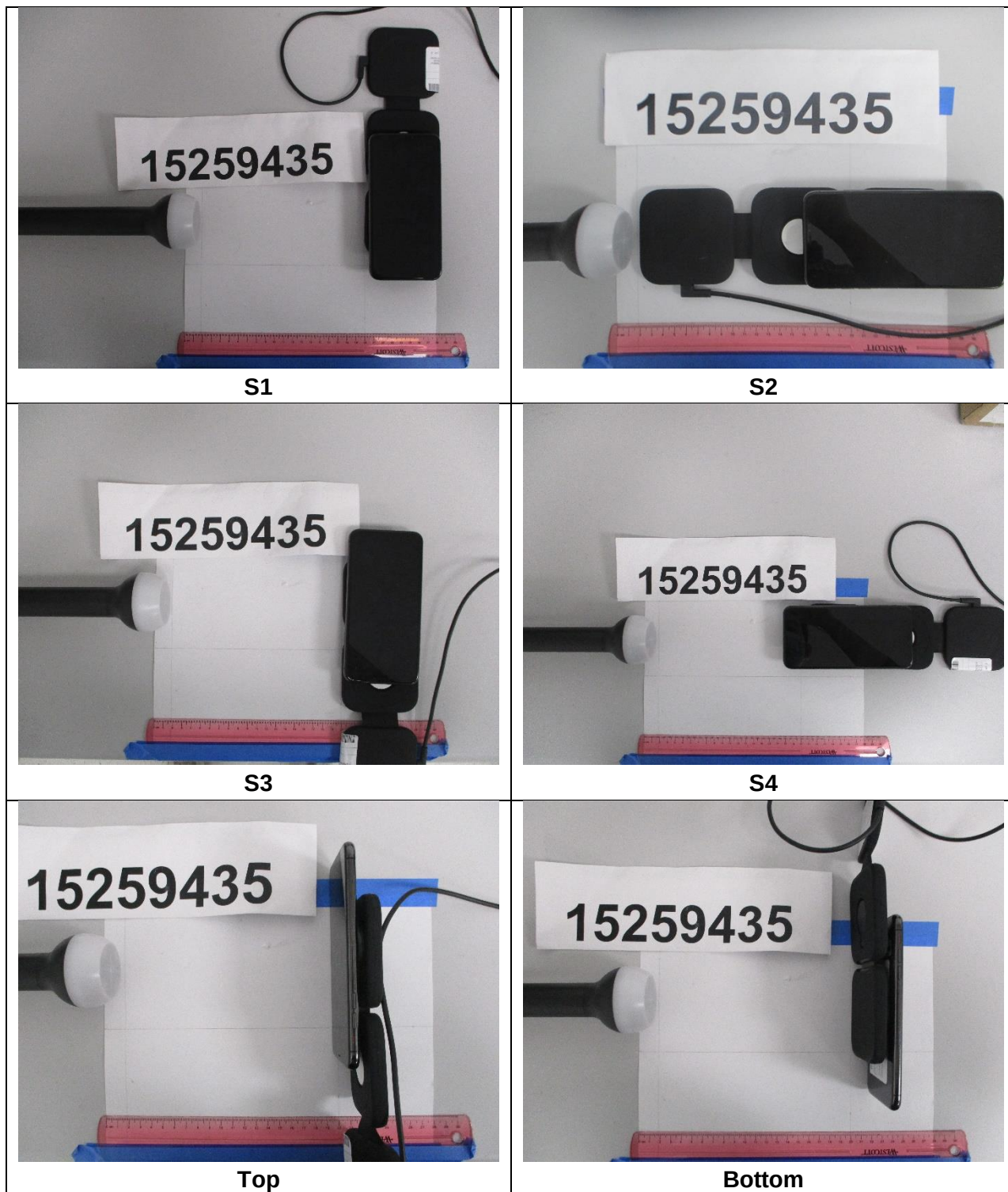
Coil#1 (127.7kHz)



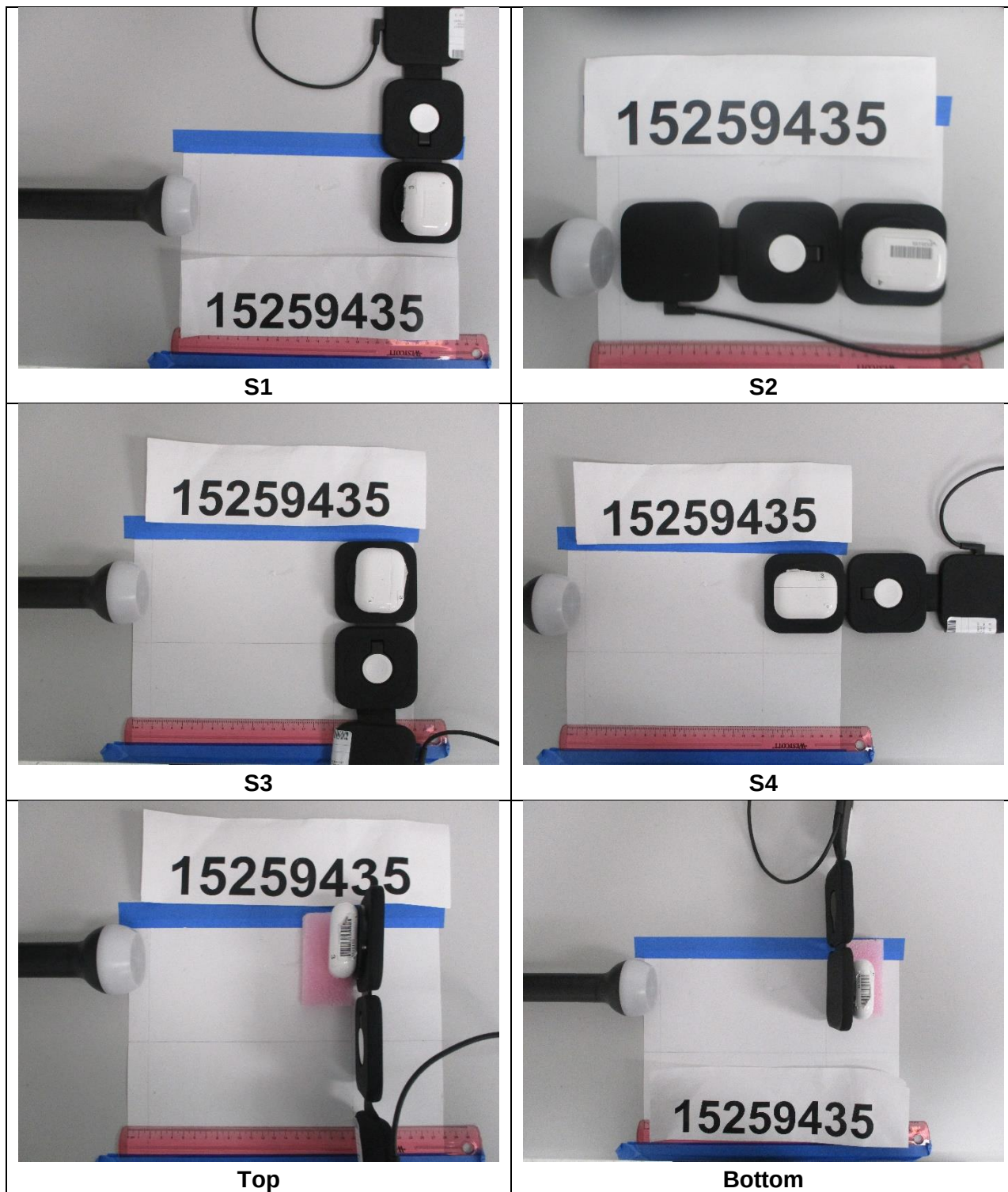
Coil#3 (326.5kHz)

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

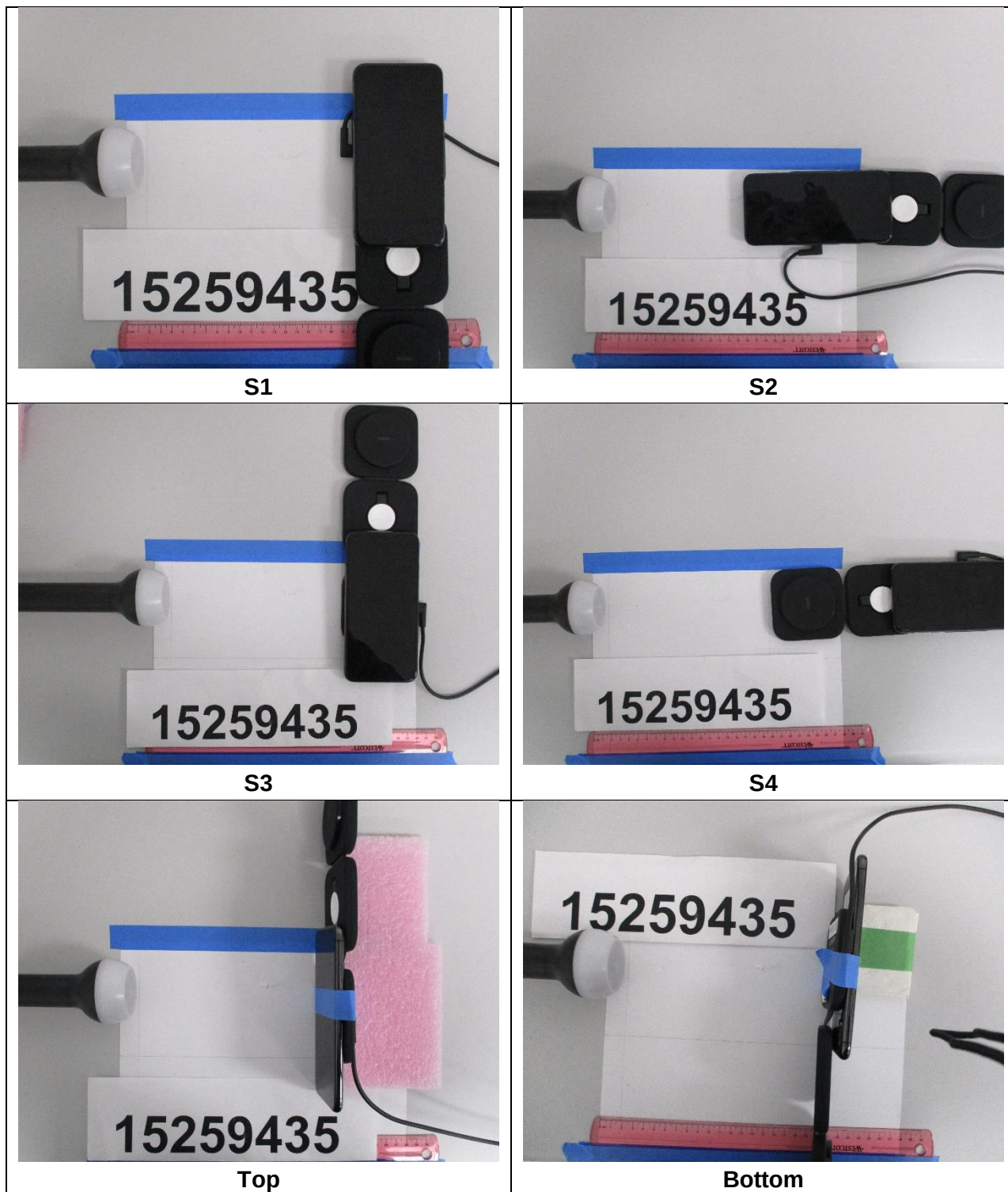
3.3.3. CONFIGURATION 3: OPERATING MODE WITH Phone (127.7kHz)



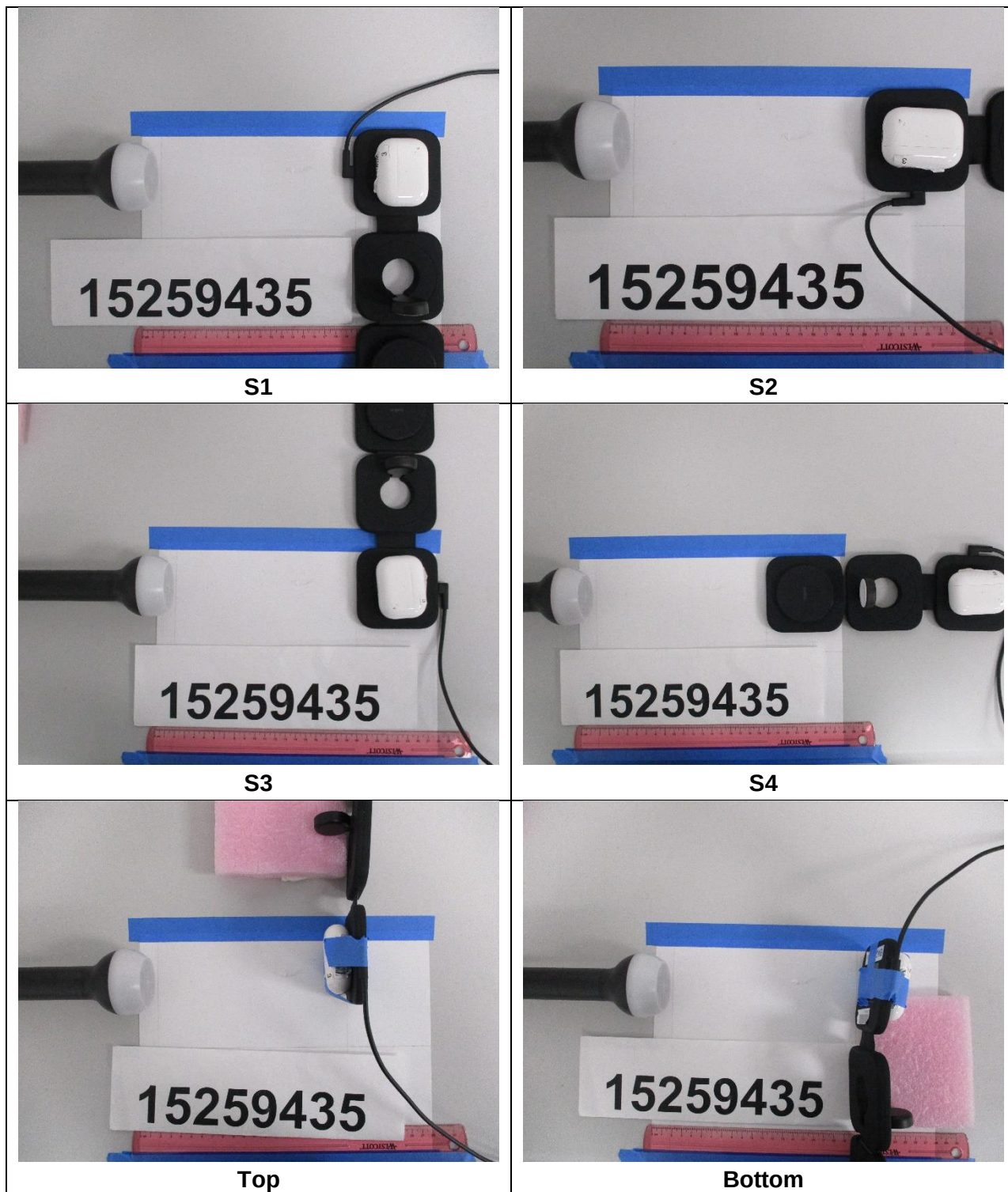
3.3.4. CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case (127.7kHz)

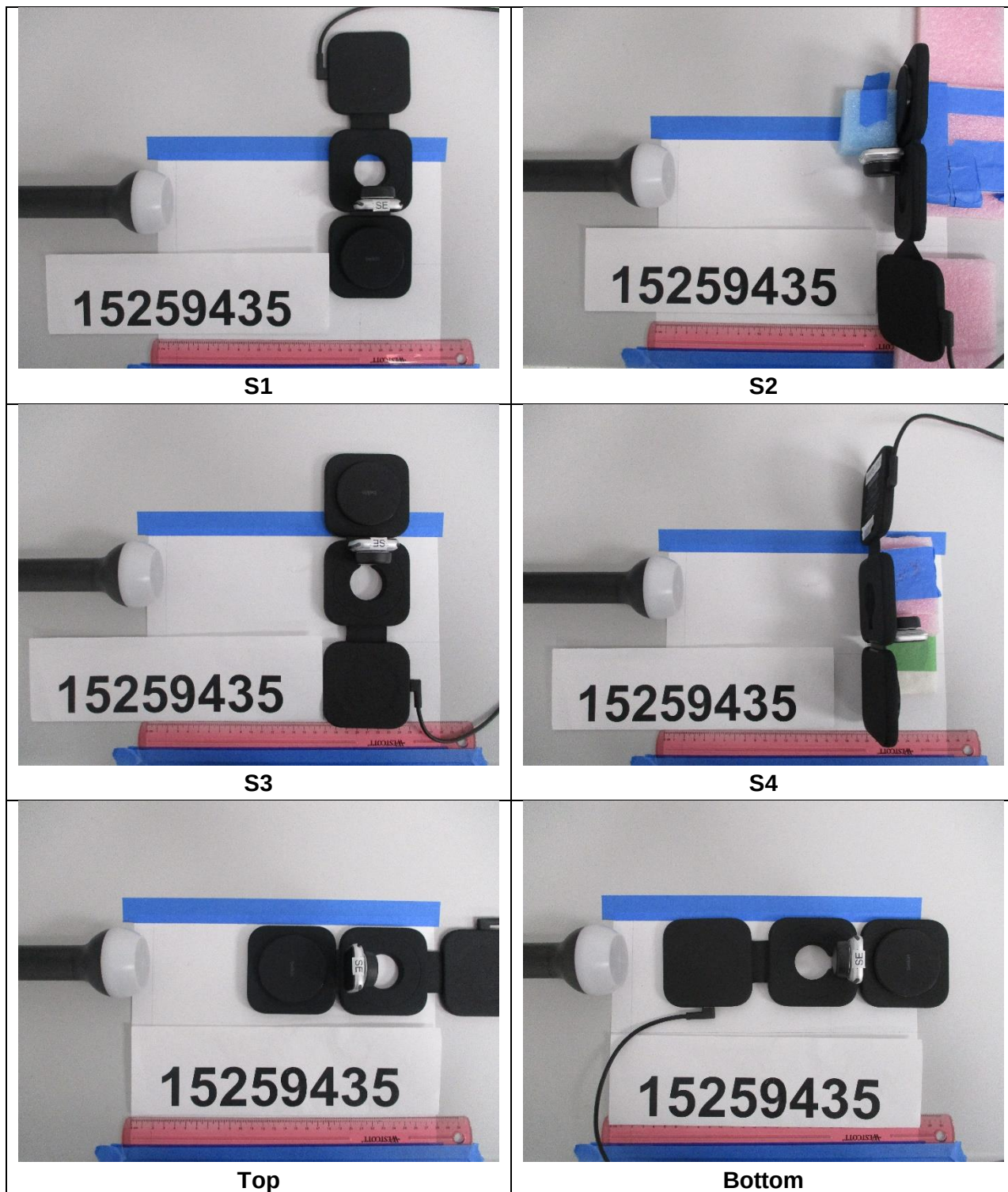


3.3.5. CONFIGURATION 5: OPERATING MODE WITH Phone (111-148kHz)

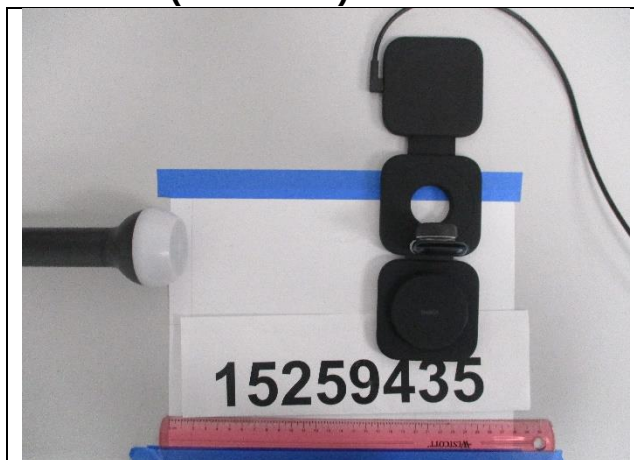


3.3.6. CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case (111-148kHz)

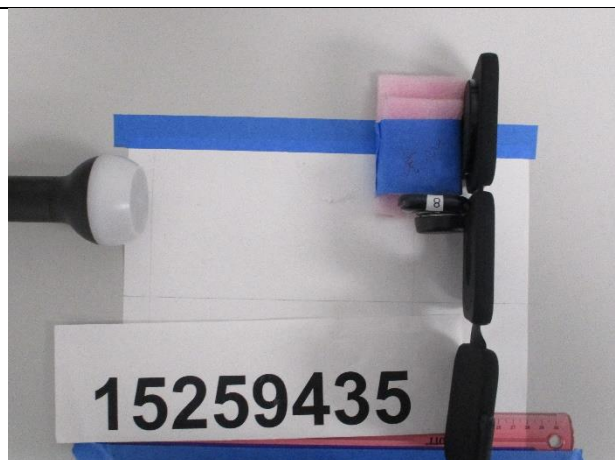


3.3.7. CONFIGURATION 7: OPERATING MODE WITH Watch (326.5kHz)

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



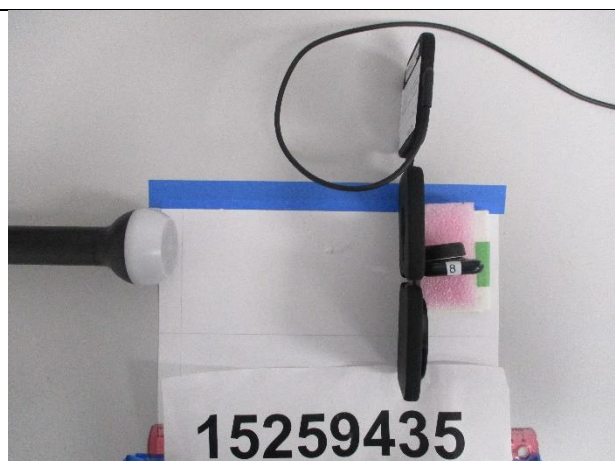
S1



S2



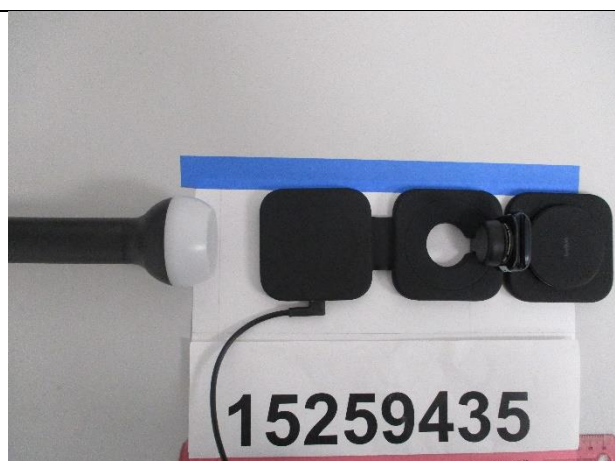
S3



S4



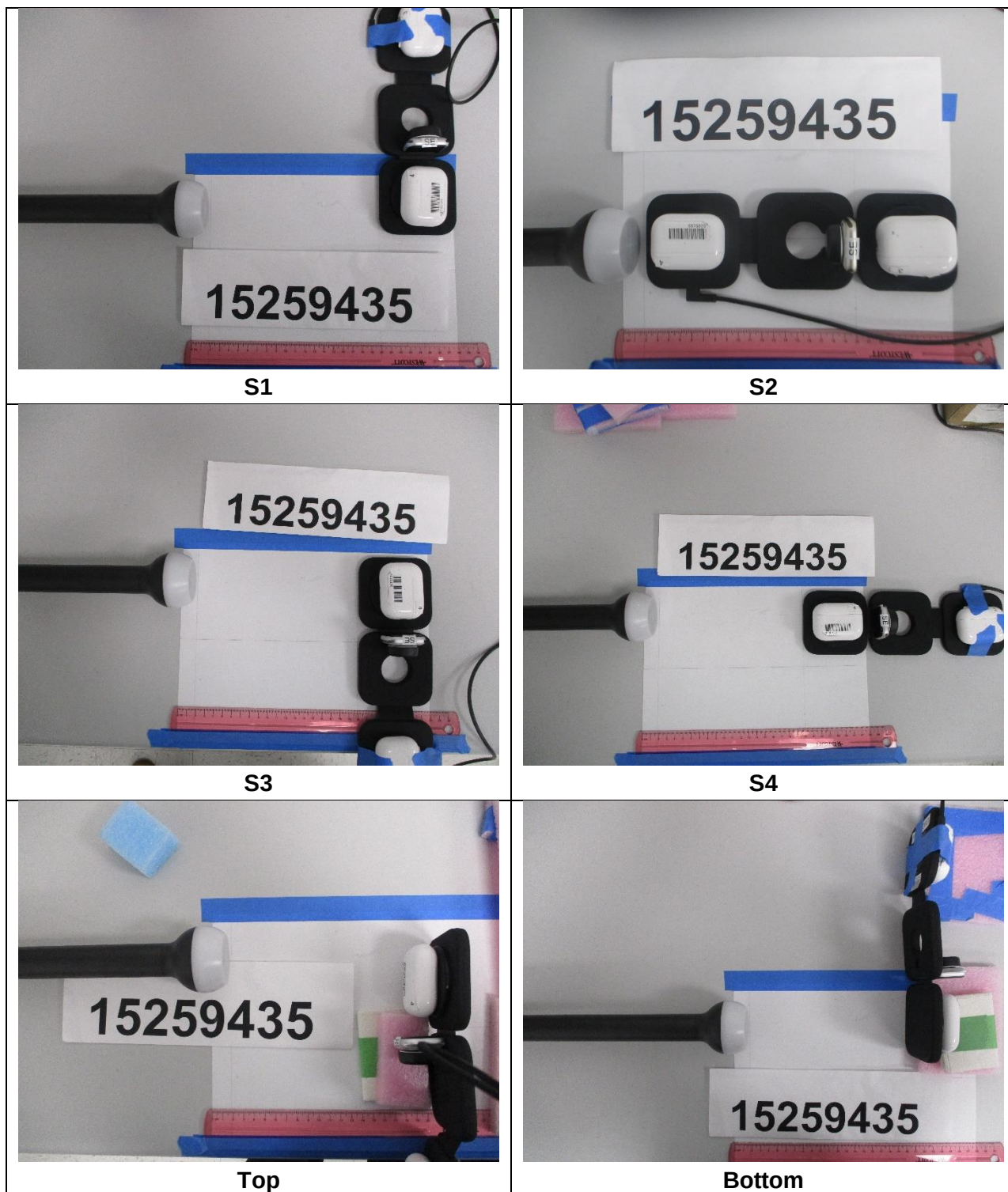
Top

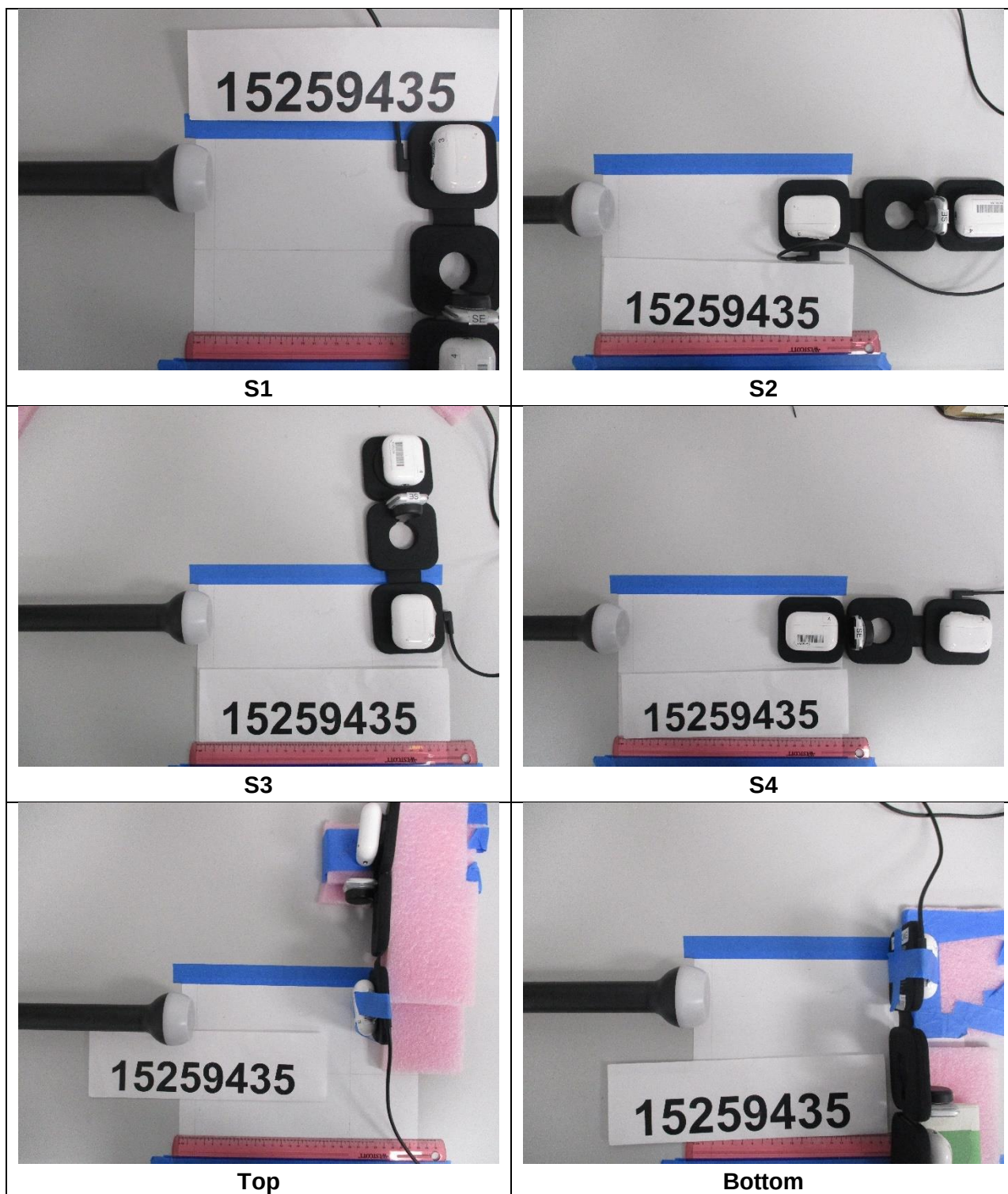


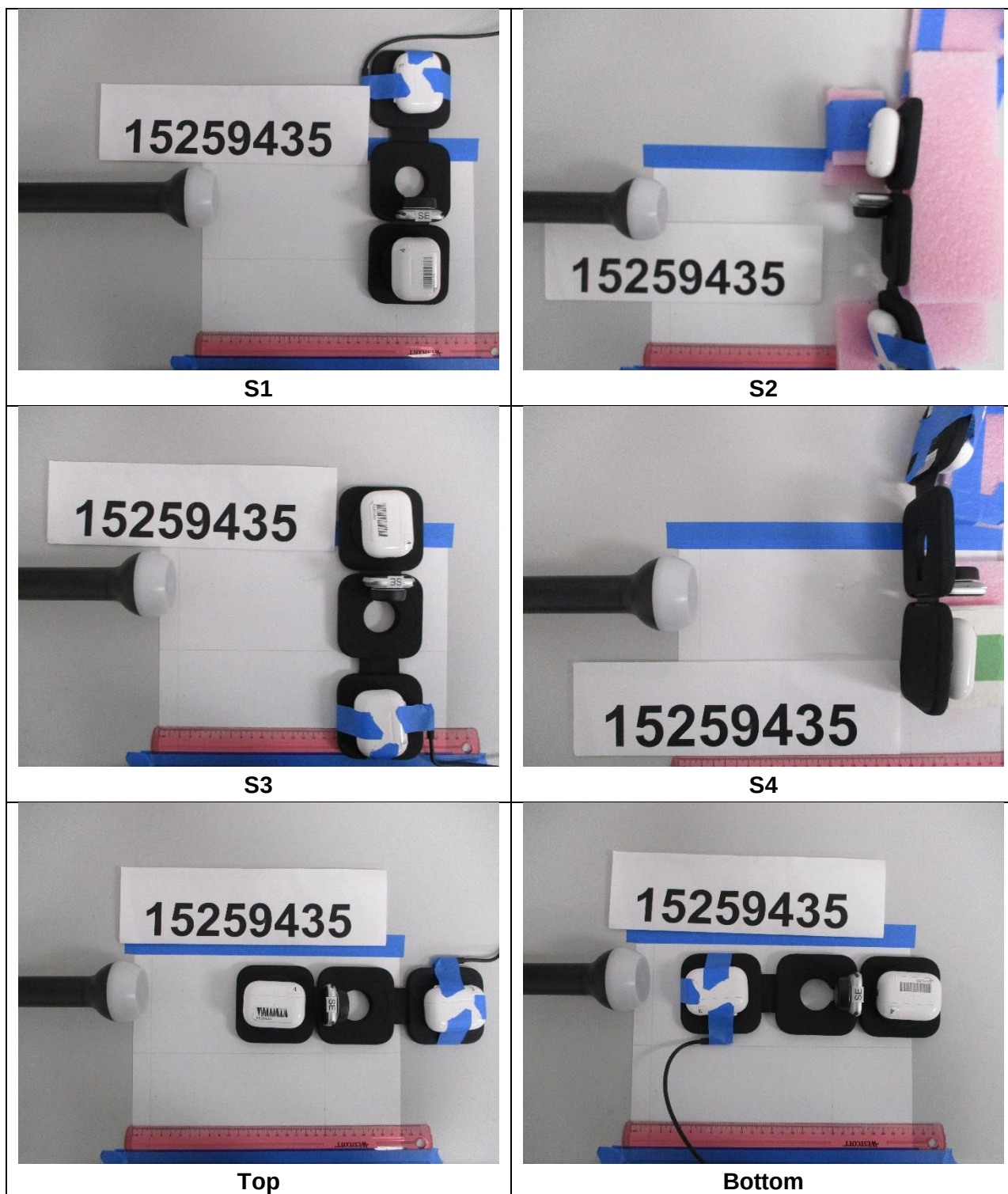
Bottom

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

127.7kHz Coil



111-148kHz Coil

326.5kHz Coil**END OF REPORT**