

RF EXPOSURE TEST REPORT

Applicant	Belkin International, Inc.
Address	12045 East Waterfront Drive, Playa Vista, CA 90094 USA

Manufacturer or Supplier	Belkin International, Inc.
Address	12045 East Waterfront Drive, Playa Vista, CA 90094 USA
Product	Wireless Charging Dual Pads 10W
Brand Name	belkin, playa
Model	WIZ002
Additional Model & Model Difference	PW0001, See items 1.1
Date of tests	Jan. 03, 2020 ~ Mar. 11, 2020

The submitted sample of the above equipment has been tested according to the requirements of the following standard:

- ☒ **47 CFR PART 1, Subpart I, Section 1.1310**
- ☒ **KDB 680106 D01**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	
	Date: Apr. 21, 2020

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Test Report No.: FS200103N012

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS200103N012	Original release	Apr. 21, 2020

1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

FCC ID	K7SWIZ002
PRODUCT	Wireless Charging Dual Pads 10W
MODEL NO.	WIZ002
ADDITIONAL MODEL	PW0001
POWER SUPPLY	Input: DC 12V from adapter Output: 10W*2
MODULATION TECHNOLOGY	FSK
OPERATING FREQUENCY RANGE	110KHz ~ 205KHz
ANTENNA TYPE	Coil Antenna
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	Refer to user's manual

NOTES:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
- Please refer to the EUT photo document (Reference No.: 200103N012) for detailed product photo.
- Additional model PW0001 is identical with test model except the model no. and trade name for trading purpose.
- The EUT uses following adapter :

ADAPTER	
BRAND:	CWT
MODEL:	2ABL030F US
INPUT:	AC 100-240V, 50/60Hz 1.0A
OUTPUT:	DC 12V, 2.5A
DC LINE:	Unshielded, Non-Detachable, 1.2m.

2. RF EXPOSURE MEASUREMENT

2.1 LIMITS

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f ²)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

NOTE 1 TO TABLE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2 TO TABLE 1: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

Reference KDB 680106 D01 RF Exposure Wireless Charging App v03

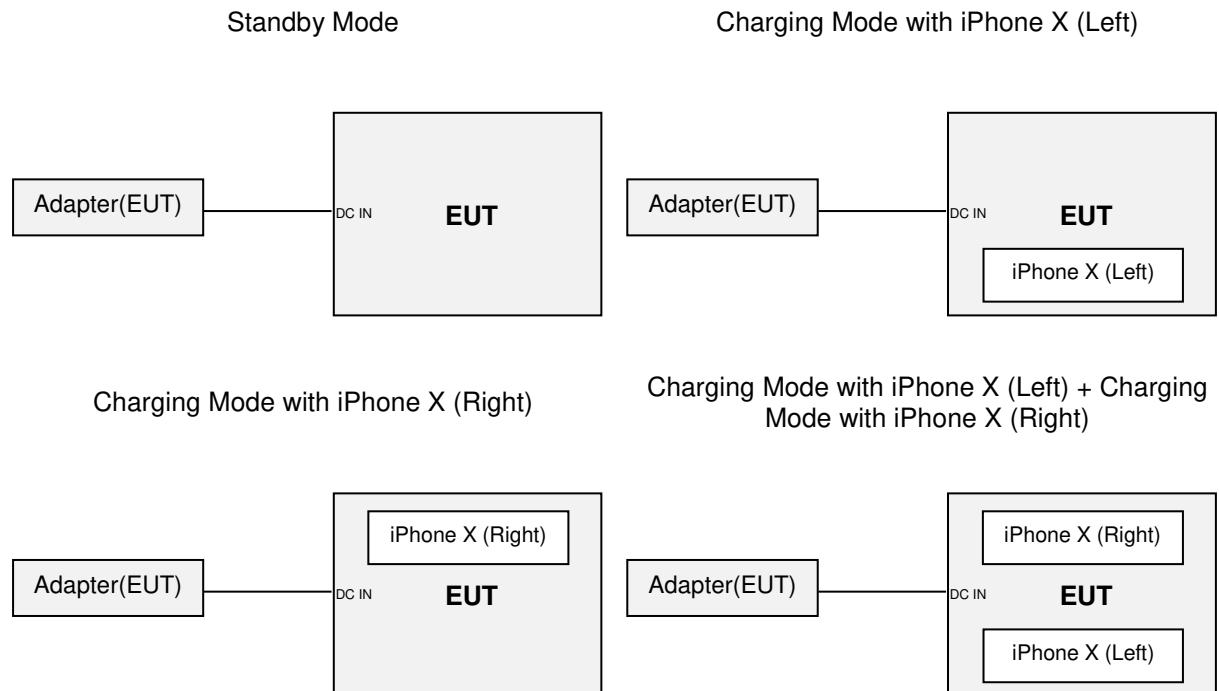
The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

2.2 DESCRIPTION OF SUPPORT UNITS

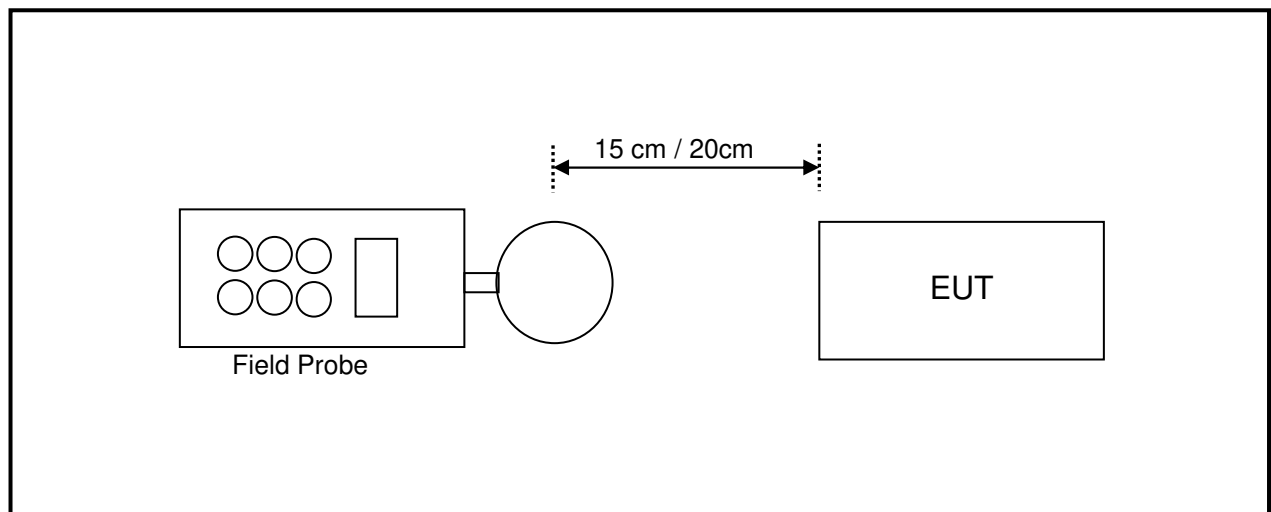
The EUT has been tested with associated equipment below

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	iPhone X	Apple	MQA52CH/A	N/A	N/A
2	iPhone 11 Pro	Apple	MWDD2CH/A	N/A	N/A

2.3 CONFIGURATION OF SYSTEM UNDER TEST



2.4 TEST SETUP FOR WPC



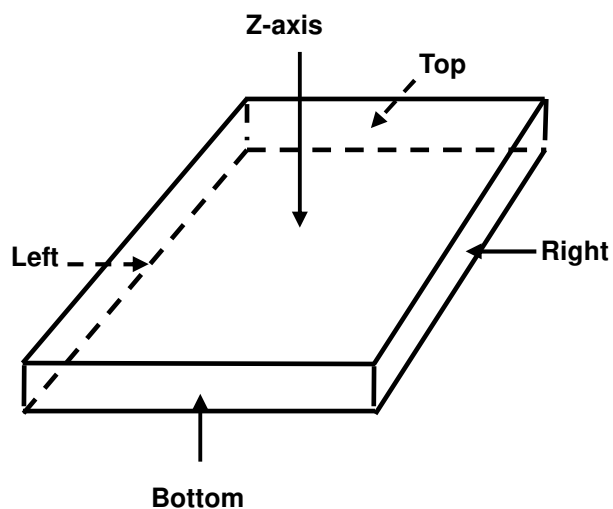
Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device.

2.5 EQUIPMENTS USED DURING TEST

Item	Test Equipment	Manufacturer	Model No.	S/No	Due date.
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	7m*4m*3m	NSEMC003	2020-03-19
2	B-field Probe	Narda	Y2006	L-0017	2020-12-23
3	E-Field probe	Narda	NBM-520	2403/01B	2020-12-23

NOTE: 1. The test was performed in RS chamber.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRG/CHINA and NIM/CHINA.

2.6 TEST POINT DESCRIPTION



2.7 TEST RESULTS

Standby Mode 1

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.02	1.08	1.16	1.11	0.74
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.98	-612.92	-612.84	-612.89	-613.26
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.98	-305.92	-305.84	-305.89	-306.26

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.236	0.228	0.271	0.239	0.274
Max H-field (A/m)	0.1888	0.1824	0.2168	0.1912	0.2192
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4412	-1.4476	-1.4132	-1.4388	-1.4108
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6262	-0.6326	-0.5982	-0.6238	-0.5958

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode2 with iPhone X (Left) 10% charger (at Center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.47	1.94	2.08	3.14	0.96
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.53	-612.06	-611.92	-610.86	-613.04
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.53	-305.06	-304.92	-303.86	-306.04

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.218	0.218	0.219	0.219	0.221
Max H-field (A/m)	0.1744	0.1744	0.1752	0.1752	0.1768
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4556	-1.4556	-1.4548	-1.4548	-1.4532
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6406	-0.6406	-0.6398	-0.6398	-0.6382

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode3 with iPhone X (Left) 10% Charger(shift 5mm to left)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.13	2.10	2.09	2.60	1.14
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.87	-611.9	-611.91	-611.4	-612.86
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.87	-304.9	-304.91	-304.4	-305.86

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.219	0.219	0.219	0.22	0.221
Max H-field (A/m)	0.1752	0.1752	0.1752	0.176	0.1768
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4548	-1.4548	-1.4548	-1.454	-1.4532
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6398	-0.6398	-0.6398	-0.639	-0.6382

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode4 with iPhone X (Left) 10% with 3mm airgap Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.66	3.10	2.42	2.56	1.39
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.34	-610.9	-611.58	-611.44	-612.61
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.34	-303.9	-304.58	-304.44	-305.61

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.219	0.22	0.22	0.231	0.224
Max H-field (A/m)	0.1752	0.176	0.176	0.1848	0.1792
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4548	-1.454	-1.454	-1.4452	-1.4508
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6398	-0.639	-0.639	-0.6302	-0.6358

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode5 with iPhone X (Left) 10% Charger shift 5mm to left (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.48	2.97	2.71	2.88	1.26
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.52	-611.03	-611.29	-611.12	-612.74
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.52	-304.03	-304.29	-304.12	-305.74

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.222	0.223	0.22	0.232	0.224
Max H-field (A/m)	0.1776	0.1784	0.176	0.1856	0.1792
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4524	-1.4516	-1.454	-1.4444	-1.4508
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6374	-0.6366	-0.639	-0.6294	-0.6358

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode6 with iPhone X (Right) 10% Charger, (at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.45	2.27	2.83	1.61	1.42
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.55	-611.73	-611.17	-612.39	-612.58
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.55	-304.73	-304.17	-305.39	-305.58

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.219	0.218	0.22	0.218	0.221
Max H-field (A/m)	0.1752	0.1744	0.176	0.1744	0.1768
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4548	-1.4556	-1.454	-1.4556	-1.4532
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6398	-0.6406	-0.639	-0.6406	-0.6382

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode 7 with iPhone X (Right) 90% Charger(shift 5mm to Right)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.2	2.42	2.82	1.33	1.39
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.8	-611.58	-611.18	-612.67	-612.61
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.8	-304.58	-304.18	-305.67	-305.61

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.22	0.22	0.228	0.22	0.224
Max H-field (A/m)	0.176	0.176	0.1824	0.176	0.1792
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.454	-1.454	-1.4476	-1.454	-1.4508
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.639	-0.639	-0.6326	-0.639	-0.6358

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode8 with iPhone X Right) 10% charger with 3mm airgap (at Center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.76	3.01	2.97	1.6	1.39
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.24	-610.99	-611.03	-612.4	-612.61
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.24	-303.99	-304.03	-305.4	-305.61

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.225	0.226	0.226	0.22	0.246
Max H-field (A/m)	0.18	0.1808	0.1808	0.176	0.1968
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.45	-1.4492	-1.4492	-1.454	-1.4332
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.635	-0.6342	-0.6342	-0.639	-0.6182

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode9 with iPhone X (Right) 10% Charger with 3mm airgap (shift 5mm to Right)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	3.05	2.18	2.62	1.32	1.62
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-610.95	-611.82	-611.38	-612.68	-612.38
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-303.95	-304.82	-304.38	-305.68	-305.38

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.225	0.227	0.226	0.221	0.246
Max H-field (A/m)	0.18	0.1816	0.1808	0.1768	0.1968
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.45	-1.4484	-1.4492	-1.4532	-1.4332
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.635	-0.6334	-0.6342	-0.6382	-0.6182

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode10 with iPhone X (Left) 10% Charger(at center) + iPhone X (Right) 10% Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.48	2.52	3.18	2.34	1.67
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.52	-611.48	-610.82	-611.66	-612.33
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.52	-304.48	-303.82	-304.66	-305.33

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.224	0.222	0.223	0.219	0.233
Max H-field (A/m)	0.1792	0.1776	0.1784	0.1752	0.1864
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4508	-1.4524	-1.4516	-1.4548	-1.4436
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6358	-0.6374	-0.6366	-0.6398	-0.6286

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode11 with iPhone X (Left) 10% Charger shift 5mm to left + iPhone X (Right) 10% Charger shift 5mm to Right

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.95	2.64	4.01	2.36	2.2
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.05	-611.36	-609.99	-611.64	-611.8
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.05	-304.36	-302.99	-304.64	-304.8

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.226	0.224	0.239	0.22	0.237
Max H-field (A/m)	0.1808	0.1792	0.1912	0.176	0.1896
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4492	-1.4508	-1.4388	-1.454	-1.4404
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6342	-0.6358	-0.6238	-0.639	-0.6254

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode12 with iPhone X (Left) 10% Charger at center (with 3mm airgap) + iPhone X (Right) 10% Charger at center (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.55	2.87	2.45	2.28	1.75
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.45	-611.13	-611.55	-611.72	-612.25
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.45	-304.13	-304.55	-304.72	-305.25

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.313	0.335	0.272	0.231	0.239
Max H-field (A/m)	0.2504	0.268	0.2176	0.1848	0.1912
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.3796	-1.362	-1.4124	-1.4452	-1.4388
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.5646	-0.547	-0.5974	-0.6302	-0.6238

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode13 with iPhone X (Left) 10% Charger shift 5mm to left (with 3mm airgap) + iPhone X (Right) 10% Charger shift 5mm to Right (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.57	2.55	2.59	2.61	1.77
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.43	-611.45	-611.41	-611.39	-612.23
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.43	-304.45	-304.41	-304.39	-305.23

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.247	0.233	0.258	0.243	0.235
Max H-field (A/m)	0.1976	0.1864	0.2064	0.1944	0.188
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4324	-1.4436	-1.4236	-1.4356	-1.442
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6174	-0.6286	-0.6086	-0.6206	-0.627

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode14 with iPhone X (Left) 50% charger (at Center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.99	1.9	1.91	1.7	0.91
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.01	-612.1	-612.09	-612.3	-613.09
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.01	-305.1	-305.09	-305.3	-306.09

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.218	0.218	0.218	0.219	0.221
Max H-field (A/m)	0.1744	0.1744	0.1744	0.1752	0.1768
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4556	-1.4556	-1.4556	-1.4548	-1.4532
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6406	-0.6406	-0.6406	-0.6398	-0.6382

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode15 with iPhone X (Left) 50% Charger(shift 5mm to left)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.29	2.22	2.1	1.86	0.99
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.71	-611.78	-611.9	-612.14	-613.01
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.71	-304.78	-304.9	-305.14	-306.01

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.22	0.22	0.218	0.223	0.22
Max H-field (A/m)	0.176	0.176	0.1744	0.1784	0.176
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.454	-1.454	-1.4556	-1.4516	-1.454
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.639	-0.639	-0.6406	-0.6366	-0.639

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode16 with iPhone X (Left) 50% with 3mm airgap Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.91	2.23	2.19	1.79	0.89
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.09	-611.77	-611.81	-612.21	-613.11
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.09	-304.77	-304.81	-305.21	-306.11

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.225	0.224	0.222	0.226	0.227
Max H-field (A/m)	0.18	0.1792	0.1776	0.1808	0.1816
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.45	-1.4508	-1.4524	-1.4492	-1.4484
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.635	-0.6358	-0.6374	-0.6342	-0.6334

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode17 with iPhone X (Left) 50% Charger shift 5mm to left (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.71	20.9	1.62	1.52	0.91
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.29	-593.1	-612.38	-612.48	-613.09
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.29	-286.1	-305.38	-305.48	-306.09

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.236	0.226	0.248	0.230	0.225
Max H-field (A/m)	0.1888	0.1808	0.1984	0.184	0.18
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4412	-1.4492	-1.4316	-1.446	-1.45
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6262	-0.6342	-0.6166	-0.631	-0.635

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode18 with iPhone X (Left) 50% charger (at Center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.21	1.87	2.04	1.21	0.77
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.79	-612.13	-611.96	-612.79	-613.23
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.79	-305.13	-304.96	-305.79	-306.23

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.232	0.229	0.31	0.227	0.229
Max H-field (A/m)	0.1856	0.1832	0.248	0.1816	0.1832
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4444	-1.4468	-1.382	-1.4484	-1.4468
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6294	-0.6318	-0.567	-0.6334	-0.6318

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode19 with iPhone X (Left) 50% Charger(shift 5mm to left)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.17	2.02	1.94	1.07	0.95
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.83	-611.98	-612.06	-612.93	-613.05
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.83	-304.98	-305.06	-305.93	-306.05

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.234	0.233	0.336	0.232	0.233
Max H-field (A/m)	0.1872	0.1864	0.2688	0.1856	0.1864
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4428	-1.4436	-1.3612	-1.4444	-1.4436
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6278	-0.6286	-0.5462	-0.6294	-0.6286

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode20 with iPhone X (Left) 50% with 3mm airgap Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.98	1.73	2.23	1.49	0.84
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.02	-612.27	-611.77	-612.51	-613.16
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.02	-305.27	-304.77	-305.51	-306.16

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.232	0.234	0.248	0.23	0.232
Max H-field (A/m)	0.1856	0.1872	0.1984	0.184	0.1856
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4444	-1.4428	-1.4316	-1.446	-1.4444
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6294	-0.6278	-0.6166	-0.631	-0.6294

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode21 with iPhone X (Left) 50% Charger shift 5mm to left (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.68	1.38	1.96	1.21	0.97
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.32	-612.62	-612.04	-612.79	-613.03
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.32	-305.62	-305.04	-305.79	-306.03

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.229	0.229	0.303	0.222	0.254
Max H-field (A/m)	0.1832	0.1832	0.2424	0.1776	0.2032
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4468	-1.4468	-1.3876	-1.4524	-1.4268
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6318	-0.6318	-0.5726	-0.6374	-0.6118

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode22 with iPhone X (Left) 50% Charger(at center) + iPhone X (Right) 50% Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.98	1.71	1.98	1.29	0.94
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.02	-612.29	-612.02	-612.71	-613.06
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.02	-305.29	-305.02	-305.71	-306.06

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.253	0.231	0.285	0.233	0.254
Max H-field (A/m)	0.2024	0.1848	0.228	0.1864	0.2032
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4276	-1.4452	-1.402	-1.4436	-1.4268
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6126	-0.6302	-0.587	-0.6286	-0.6118

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode23 with iPhone X (Left) 50% Charger shift 5mm to left + iPhone X (Right) 50% Charger shift 5mm to Right

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.81	2.03	1.36	1.33	1.47
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.19	-611.97	-612.64	-612.67	-612.53
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.19	-304.97	-305.64	-305.67	-305.53

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.251	0.263	0.401	0.237	0.332
Max H-field (A/m)	0.2008	0.2104	0.3208	0.1896	0.2656
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4292	-1.4196	-1.3092	-1.4404	-1.3644
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6142	-0.6046	-0.4942	-0.6254	-0.5494

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode24 with iPhone X (Left) 50% Charger at center (with 3mm airgap) + iPhone X (Right) 50% Charger at center (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.77	1.98	1.65	1.42	1.55
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.23	-612.02	-612.35	-612.58	-612.45
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.23	-305.02	-305.35	-305.58	-305.45

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.251	0.256	0.303	0.232	0.248
Max H-field (A/m)	0.2008	0.2048	0.2424	0.1856	0.1984
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4292	-1.4252	-1.3876	-1.4444	-1.4316
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6142	-0.6102	-0.5726	-0.6294	-0.6166

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode25 with iPhone X (Left) 50% Charger shift 5mm to left (with 3mm airgap) + iPhone X (Right) 50% Charger shift 5mm to Right (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	3.78	2.45	1.99	1.92	1.95
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-610.22	-611.55	-612.01	-612.08	-612.05
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-303.22	-304.55	-305.01	-305.08	-305.05

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.257	0.324	0.328	0.243	0.254
Max H-field (A/m)	0.2056	0.2592	0.2624	0.1944	0.2032
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4244	-1.3708	-1.3676	-1.4356	-1.4268
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6094	-0.5558	-0.5526	-0.6206	-0.6118

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode26 with iPhone X (Left) 90% charger (at Center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.12	1.44	2.67	1.16	0.68
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.88	-612.56	-611.33	-612.84	-613.32
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.88	-305.56	-304.33	-305.84	-306.32

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.446	0.225	0.285	0.235	0.235
Max H-field (A/m)	0.3568	0.18	0.228	0.188	0.188
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.2732	-1.45	-1.402	-1.442	-1.442
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.4582	-0.635	-0.587	-0.627	-0.627

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode27 with iPhone X (Left) 90% Charger(shift 5mm to left)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.5	1.44	1.33	1.08	1.07
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.5	-612.56	-612.67	-612.92	-612.93
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.5	-305.56	-305.67	-305.92	-305.93

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.256	0.238	0.306	0.227	0.242
Max H-field (A/m)	0.2048	0.1904	0.2448	0.1816	0.1936
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4252	-1.4396	-1.3852	-1.4484	-1.4364
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6102	-0.6246	-0.5702	-0.6334	-0.6214

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode28 with iPhone X (Left) 90% with 3mm airgap Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.68	1.57	1.46	1.03	1.04
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.32	-612.43	-612.54	-612.97	-612.96
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.32	-305.43	-305.54	-305.97	-305.96

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.265	0.266	0.303	0.231	0.243
Max H-field (A/m)	0.212	0.2128	0.2424	0.1848	0.1944
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.418	-1.4172	-1.3876	-1.4452	-1.4356
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.603	-0.6022	-0.5726	-0.6302	-0.6206

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode29 with iPhone X (Left) 90% Charger shift 5mm to left (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.83	1.45	1.44	1.18	1.08
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.17	-612.55	-612.56	-612.82	-612.92
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.17	-305.55	-305.56	-305.82	-305.92

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.242	0.26	0.304	0.237	0.268
Max H-field (A/m)	0.1936	20.8	0.2432	0.1896	0.2144
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4364	19.17	-1.3868	-1.4404	-1.4156
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6214	19.985	-0.5718	-0.6254	-0.6006

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode30 with iPhone X (Right) 90% Charger, at center

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.68	1.70	1.58	0.82	0.98
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.32	-612.3	-612.42	-613.18	-613.02
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.32	-305.3	-305.42	-306.18	-306.02

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.336	0.246	0.366	0.234	0.238
Max H-field (A/m)	0.2688	0.1968	0.2928	0.1872	0.1904
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.3612	-1.4332	-1.3372	-1.4428	-1.4396
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.5462	-0.6182	-0.5222	-0.6278	-0.6246

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode31 iPhone X (Right) 90% Charger shift 5mm to Right

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.89	1.47	1.34	1.33	1.02
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.11	-612.53	-612.66	-612.67	-612.98
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.11	-305.53	-305.66	-305.67	-305.98

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.241	0.306	0.350	0.232	0.270
Max H-field (A/m)	0.1928	0.2448	0.28	0.1856	0.216
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4372	-1.3852	-1.35	-1.4444	-1.414
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6222	-0.5702	-0.535	-0.6294	-0.599

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode32 with iPhone X (Right) 90% Charger with 3mm airgap (at Center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.92	1.64	1.34	0.83	0.77
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.08	-612.36	-612.66	-613.17	-613.23
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.08	-305.36	-305.66	-306.17	-306.23

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.269	0.265	0.358	0.228	0.269
Max H-field (A/m)	0.2152	0.212	286.4	0.1824	0.2152
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4148	-1.418	284.77	-1.4476	-1.4148
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.5998	-0.603	285.585	-0.6326	-0.5998

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode33 with iPhone X (Right) 90% Charger shift 5mm to Right (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.79	2.07	1.39	0.95	0.98
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.21	-611.93	-612.61	-613.05	-613.02
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.21	-304.93	-305.61	-306.05	-306.02

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.322	0.254	0.315	0.235	0.234
Max H-field (A/m)	0.2576	0.2032	0.252	0.188	0.1872
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.3724	-1.4268	-1.378	-1.442	-1.4428
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.5574	-0.6118	-0.563	-0.627	-0.6278

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode34 with iPhone X (Left) 90% Charger(at center) + iPhone X (Right) 90% Charger(at center)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.44	2.75	1.53	1.1	0.96
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.56	-611.25	-612.47	-612.9	-613.04
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.56	-304.25	-305.47	-305.9	-306.04

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.29	0.239	0.263	0.233	0.261
Max H-field (A/m)	0.232	0.1912	0.2104	0.1864	0.2088
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.398	-1.4388	-1.4196	-1.4436	-1.4212
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.583	-0.6238	-0.6046	-0.6286	-0.6062

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode35 with iPhone X (Left) 90% Charger shift 5mm to left + iPhone X (Right) 90% Charger shift 5mm to Right

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.83	2.01	2.31	1.38	1.1
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.17	-611.99	-611.69	-612.62	-612.9
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.17	-304.99	-304.69	-305.62	-305.9

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.335	0.291	0.305	0.235	0.269
Max H-field (A/m)	0.268	0.2328	0.244	0.188	0.2152
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.362	-1.3972	-1.386	-1.442	-1.4148
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.547	-0.5822	-0.571	-0.627	-0.5998

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode36 with iPhone X (Left) 90% Charger at center (with 3mm airgap) + iPhone X (Right) 90% Charger at center (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	2.02	2.01	1.76	2.05	1.05
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.98	-611.99	-612.24	-611.95	-612.95
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-304.98	-304.99	-305.24	-304.95	-305.95

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.267	0.274	0.276	0.235	0.232
Max H-field (A/m)	0.2136	0.2192	0.2208	0.188	0.1856
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4164	-1.4108	-1.4092	-1.442	-1.4444
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6014	-0.5958	-0.5942	-0.627	-0.6294

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

Charging Mode37 with iPhone X (Left) 90% Charger shift 5mm to left (with 3mm airgap) + iPhone X (Right) 90% Charger shift 5mm to Right (with 3mm airgap)

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	4.54	3.67	3.33	2.48	1.14
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-609.46	-610.33	-610.67	-611.52	-612.86
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-302.46	-303.33	-303.67	-304.52	-305.86

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (uT)	0.243	0.239	0.281	0.237	0.238
Max H-field (A/m)	0.1944	0.1912	0.2248	0.1896	0.1904
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.4356	-1.4388	-1.4052	-1.4404	-1.4396
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.6206	-0.6238	-0.5902	-0.6254	-0.6246

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.



Test Report No.: FS200103N012

PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

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