

FCC Part 1 Subpart I FCC Part 2 Subpart J

CERTIFICATION TEST REPORT

FOR

WIRELESS CHARGING SPOT

MODEL NO: B2B170 & B2B180

FCC ID: K7SB2B180

REPORT NUMBER: 12361602-E2V1

ISSUE DATE: AUGUST 10, 2018

Prepared for

BELKIN INTERNATIONAL, INC. 12045 EAST WATERFRONT DRIVE PLAYA VISTA, CA 90094, U.S.A.

Prepared by

UL VERIFICATION SERVICES INC. 47173 BENICIA STREET FREMONT, CA 94538, U.S.A.

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REPORT NO: 12361602-E2V1 EUT: WIRELESS CHARGING SPOT

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	08/10/2018	Initial Issue	Jason Qian

DATE: AUGUST 10, 2018

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: BELKIN INTERNATIONAL, INC.

12045 EAST WATERFRONT DRIVE PLAYA VISTA, CA 90094, U.S.A.

EUT DESCRIPTION: WIRELESS CHARGING SPOT

MODEL NUMBER: B2B170 & B2B180

POWER SUPPLY MODELS: ADS-26FSG-12 15023EPCU for Single Unit;

2AAL090H for Quad Unit

SERIAL NUMBER: 28V10CK680005Y, 28V10CK680005Z,

28V10CK680005M, 28V10CK680005P.

DATE TESTED: JULY 20 - 31, 2018

APPLICABLE STANDARDS

STANDARD

TEST RESULTS

DATE: AUGUST 10, 2018

MODEL NAME: B2B170 & B2B180

FCC PART 1 SUBPART I & PART 2 SUBPART J

Complies

UL Verification Services Inc. calculated the RF Exposure of the above equipment in accordance with the requirements set forth in the above standards, using test results reported in the test report documents referenced below and/or documentation furnished by the applicant. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations of these calculations. The results show that the equipment is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL Verification Services Inc. By:

Prepared By:

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Thu Chan

Operations Leader

UL Verification Service Inc.

Jason Qian

Test Engineer

UL Verification Services Inc.

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2. TEST METHODOLOGY

All calculations were made in accordance with FCC OET Bulletin 65 Edition 97-01.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
☐ Chamber A (IC:2324B-1)	☐ Chamber D (IC:22541-1)
☐ Chamber B (IC:2324B-2)	☐ Chamber E (IC:22541-2)
☐ Chamber C (IC:2324B-3)	☐ Chamber F (IC:22541-3)
	☐ Chamber G (IC:22541-4)
	☐ Chamber H (IC:22541-5)

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers A through H are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-8, respectively.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at NVLAP Lab Search.

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4. EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF EUT

The EUT is wireless charging base capable of up to 10 watt power transfer, and 10W wireless charging pad suitable for any Qi-Certified devices including Android and IOS phones for mounting on table top hard surfaces.

4.2. DEVICES DIFFERENCES

Difference between B2B170 and B2B180:

Model B2B170 is Surface Pad or Top Mount, whereas mode B2B180 is Recessed Pad or Hidden Pad. All electronics, wiring and power supply is the same in both models. The only difference is the outside housing for different mounting variations. Both models are provided with 2 different power supplies. Power supply model ADS-26FSG-12 15023EPCU for single unit configuration and power supply 2AAL090H for quad unit configuration.

4.3. WORST-CASE CONFIGURATION AND MODE

All the tests were performed on the B2B170 model with Single unit power supply. The worst case tests were performed on the B2B170 model with Quad unit power supply.

4.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

SUPPORT EQUIPMENT & PERIPHERALS LIST							
Description	Manufacturer	Model	Serial Number				
QI Receiver Simulator	AVID Technologies, Inc.	103-02	000011571817				
AC Adapter (Single Unit)	Shenzhen Honor Electronics	ADS-26FSG-12 15023EPCU	N/A				
AC Adapter (Quad Unit)	Channel Well Technology Co., Ltd	2AAL090H	N/A				
Resistor Load	N/A	N/A	N/A				
iPhone X	Apple	NMQAQ2LL/A	G6TVJ7H8JCLH				

I/O CABLES

N/A

TEST SETUP

The following three configurations are tested:

Configuration	Mode	Descriptions
1	Standby (< 10% Power Detecting)	Single Unit: EUT Alone powered by AC/DC adapter
2 (5mm shift L/R/T/B; with & without 3mm airgap)	Operating (Real Phone 5W, ~50% Power Charging) Note: For the configuration 2 operating with real phone, battery level of the phone was at a state of 20 – 50%.	Single Unit: EUT and real phone powered by AC/DC adapter
3 (5mm shift L/R/T/B; with & without 3mm airgap)	Operating (10W Load, >90% Power Charging)	Single Unit: EUT and 10W load powered by AC/DC adapter
4 (5mm shift L/R/T/B with 3mm airgap; worst case)	Operating (10W Load, >90% Power Charging)	Quad Units with Single Charge: EUT and one 10W load powered by AC/DC adapter
4 (5mm shift L/R/T/B with 3mm airgap; worst case)	Operating (10W Load, >90% Power Charging)	Quad Units with Full Charge, : EUT and four 10W loads powered by AC/DC adapter

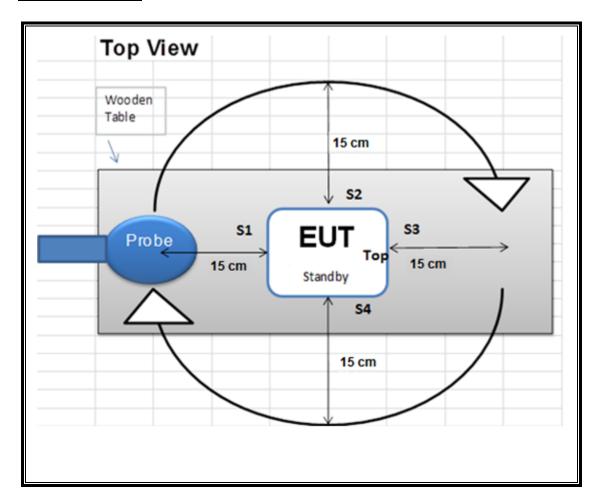
Note: For the configuration 2 operating with real phone, battery level of the phone was at a state of 20 – 50%. For the configurations 2 and 3, operating with 5mm shift around four different positions (Right/Left/Top/Bottom) with and without 3mm Airgap between the phone / simulator RX and WPT EUT. For the configurations 4, operating with 5mm shift around four different positions (Right/Left/Top/Bottom) with 3mm Airgap between the simulator RX and WPT EUT as a worst case.

MEASUREMENT SETUP

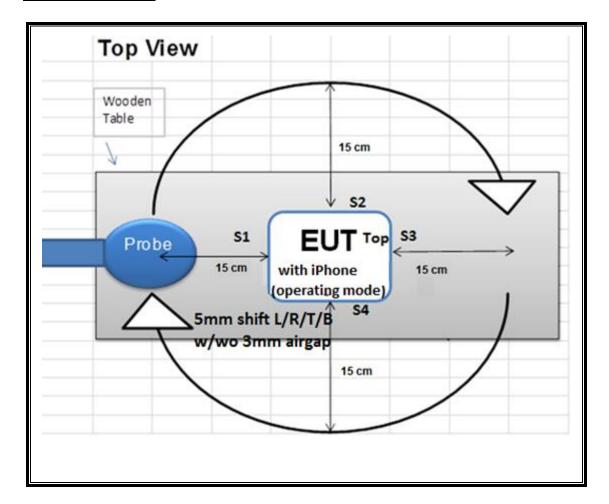
The measurement was taken using a probe placed 15cm surrounding the device and 20cm above the top surface of the EUT. Measurements were taken from the top and all sides of the EUT per KDB680106 D01 v03.

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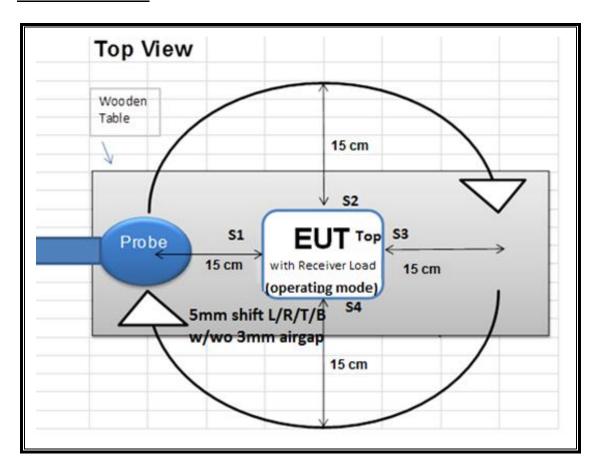
CONFIGURATION 1



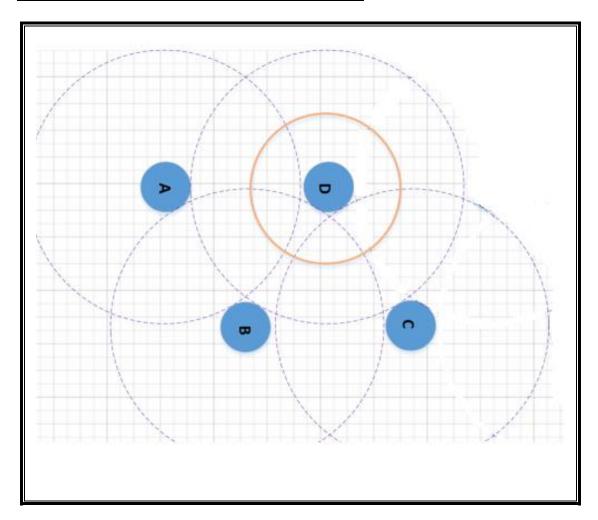
CONFIGURATIONS 2



CONFIGURATIONS 3

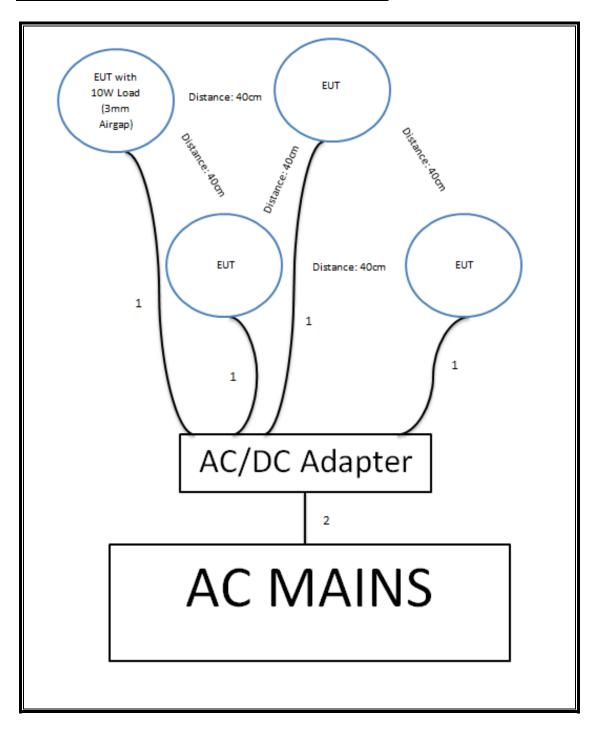


CONFIGURATIONS FOR QUAD UNIT SETUP DIAGRAM



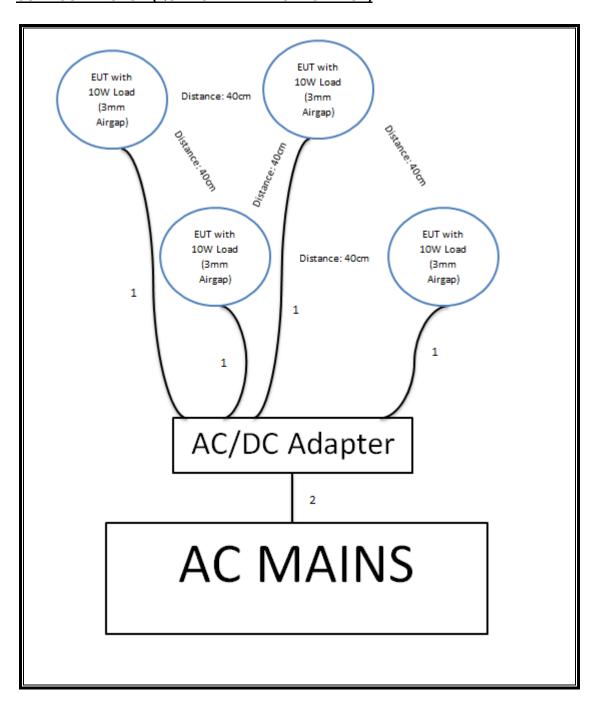
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CONFIGURATIONS 4 (QUAD UNIT WITH SINGLE CHARGE)



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CONFIGURATIONS 4 (QUAD UNIT WITH FULL CHARGE)



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5. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was used for the tests documented in this report:

Test Equipment List							
Description Manufacturer Model Local ID T No. Cal Date Cal Du							
Electric and Magnetic Field Probe	Narda	EHP-200A	T1085	07/05/2017	07/31/2018		

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6. DUTY CYCLE

LIMITS

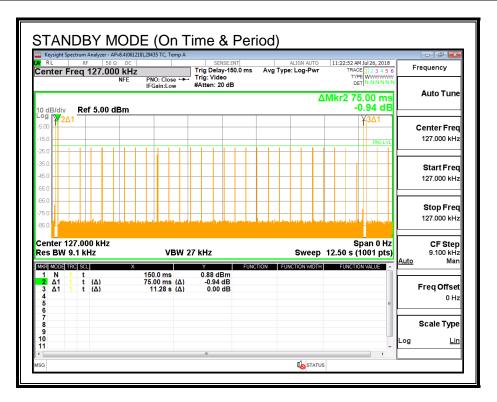
None; for reporting purposes only.

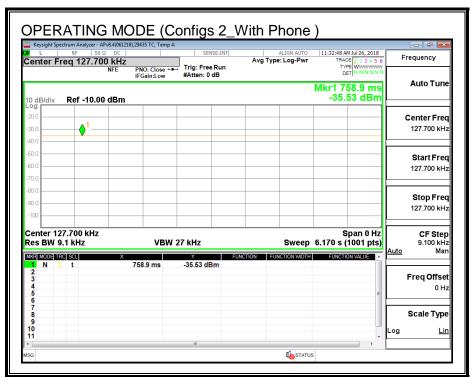
PROCEDURE

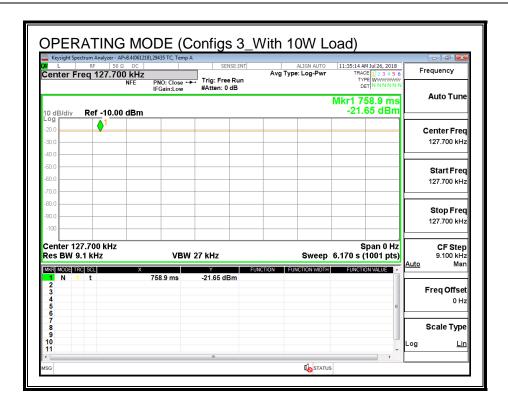
Zero-Span Spectrum Analyzer Method.

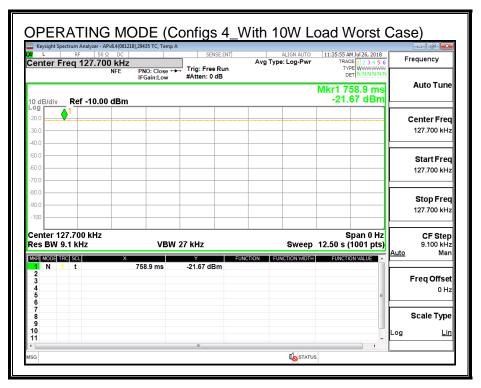
ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time	Period	Duty Cycle	Duty
	В		x	Cycle
	(msec)	(msec)	(linear)	(%)
Standby (Config 1)	75.00	1128.00	0.07	6.65%
Operating(Config 2)	100.00	100.00	1.00	100.00%
Operating(Config 3)	100.00	100.00	1.00	100.00%
Operating(Config 4)	100.00	100.00	1.00	100.00%









7. MAXIMUM PERMISSIBLE RF EXPOSURE

7.1. **FCC LIMITS AND SUMMARY**

7.1.1. FCC LIMITS

§1.1310 The criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio-frequency (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/cm²)	Averaging time (minutes)			
(A) Lim	nits for Occupational	I/Controlled Exposu	res				
0.3–3.0 3.0–30 30–300 300–1500 1500–100,000	614 1842/f 61.4	1.63 4.89/f 0.163	*(100) *(900/f²) 1.0 f/300 5	6 6 6 6			
(B) Limits for General Population/Uncontrolled Exposure							
0.3–1.34	614 824/f	1.63 2.19/f	*(100) *(180/f²)	30 30			

TABLE 1-LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)-Continued

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	Averaging time (minutes)
30–300 300–1500 1500–100,000	27.5	0.073	0.2 f/1500 1.0	30 30 30

f = frequency in MHz

exposure or can not exercise control over their exposure.

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^{* =} 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

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7.1.2. FCC SUMMARY OF RESULTS

RESULTS

ID: 10629 Date:	7/31/18
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Note: Both magnetic and electric field strengths have been investigated from 9 kHz to 30 MHz at 15cm surrounding the device and 20cm above the top surface of the EUT operation frequency is at 127.7 kHz.

FCC RF Exposure Summary of Results

Single Unit:

Electric Field Limit			Magnetic Field Limit		
FCC	Maximum Average (V/m)	Percentage (%)	FCC	Maximum Average (A/m)	Percentage (%)
614	3.758	0.61%	1.63	0.796	48.83%

Quad Units:

Electric Field Limit			Magnetic Field Limit		
FCC	Maximum Average (V/m)	Percentage (%)	FCC	Maximum Average (A/m)	Percentage (%)
614	3.761	0.61%	1.63	0.761	46.69%

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7.2. **TEST RESULTS**

7.2.1. FCC RF EXPOSURE

E- FIELD AND H- FIELD MEASUREMENTS

Note: Peak measurements were performed. RMS values (except for the testing for 6 mins.), were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Field Strength x √Duty Cycle].

Single Unit:

	Test Mode		Electric Field Limit		Electri	c Field Reading		Magnetic Field Limit	Magnetic Field Reading				
Configuration		Measuring Distance (cm)	(V/m)	(V/m)				(A/m)	(A/m)				
		,	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average	
				S1	0.277		0.018		S1	0.036		0.002	
				S2	0.316		0.021		S2	0.034		0.002	
	Standby			S3	0.305		0.020		S3	0.036		0.002	
1	power < 10% detecting			S4	0.314	6.65	0.021		S4	0.035	6.65	0.002	
	power < 10% detecting			Тор	0.287		0.019		Тор	0.059		0.004	
				Max	0.354		0.024		Max	0.456		0.030	
				6 mins	0.283		0.019		6 mins	0.098		0.007	
				S1	0.460		0.031		S1	0.055		0.004	
	Operating, 5W Real Product (Center)			S2	0.536		0.036		S2	0.158		0.010	
				S3	0.460	100.00	0.031		S3	0.054	100	0.004	
	Power ~ 50% Charging			S4	0.406	100.00	0.027		S4	0.144	100	0.010	
	Fower 30% Charging			Тор	0.550		0.037		Top	0.061		0.004	
				Max	0.550		0.037		Max	0.158		0.011	
				S1	0.355		0.024		S1	0.053		0.004	
	Operating, 5W Real Product	15 cm surrounding the device (S1 - S4) and 20 cm	614	S2	0.597		0.040		S2	0.117		0.008	
	(Shift 5mm to Right) Power ~ 50% Charging			S3	0.549	100.00	0.037		S3	0.053	100	0.004	
				S4	0.355		0.024	1.63	S4	0.051	100	0.003	
				Тор	0.387		0.026		Тор	0.053		0.004	
				Max	0.597		0.040		Max	0.117		0.008	
		above the top		S1	0.511		0.034		S1	0.062		0.004	
	Operating, 5W Real Product	surface of the		S2	0.459		0.031		S2	0.143		0.010	
2		EUT		S3	0.562	100.00	0.037		S3	0.054	100	0.004	
2	(Shift 5mm to Left) Power ~50% Charging			S4	0.501	100.00	0.033		S4	0.145	100	0.010	
	50% Charging			Тор	0.362		0.024		Тор	0.055	Г	0.004	
				Max	0.563		0.037		Max	0.147		0.010	
				S1	0.479		0.032		S1	0.153		0.010	
	Operating, 5W Real Product			S2	0.480		0.032		S2	0.095		0.006	
	(Shift 5mm to Top) Power			S3	0.563	100.00	0.037		S3	0.233	100	0.015	
	~ 50% Charging			S4	0.480	100.00	0.032		S4	0.199	100	0.013	
	50% Charging			Тор	0.479		0.032		Тор	0.062		0.004	
				Max	0.565		0.038		Max	0.233		0.015	
				S1	0.498		0.033		S1	0.155		0.010	
	Operating, 5W Real Product			S2	0.536		0.036		S2	0.183		0.012	
	(Shift 5mm to Bottom)			S3	0.475	100.00	0.032		S3	0.291	100	0.019	
	Power ~ 50% Charging			S4	0.421	100.00	0.028		S4	0.309	100	0.021	
	. Ower Sove Charging			Тор	0.394		0.026		Тор	0.076		0.005	

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Configuration	Test Mode	Measuring	Electric Field Limit (V/m)		Elec	tric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
Configuration	Test Wode	Distance (cm)	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	\$1 0.0 \$2 0.0 \$33 0.0 \$4 0.0 \$51 0.0 \$	Peak	Duty Cycle %	FCC Average	
				51	0.417		0.417		S1	0.055		0.055	
	Operating, 5W Real			52	0.523		0.523		S2	0.089		0.089	
	Product (3mm Airgap			53	0.417	100.00	0.417		S3	0.069	100	0.069	
	at Center)			54	0.498		0.498		S4	0.065	100	0.065	
	Power > 50% Charging			Тор	0.417		0.417		Тор	0.089		0.089	
				Max	0.533		0.533		Max	0.091		0.091	
				51	0.398		0.398		S1	0.092		0.092	
	Operating, 5W Real			52	0.587		0.587		S2	0.166	1	0.166	
	Product (3mm Airgap	,		S3	0.472	100.00	0.472		S3	0.133	100	0.133	
	& 5mm Shift to the Right)			54	0.526	100.00	0.526		S4	0.096	100	0.096	
	Power > 50% Charging			Тор	0.346		0.346		Тор	0.053	Ī	0.053	
		15 cm		Max	0.591		0.591		Max	0.166	Ī	0.166	
	Operating, 5W Real Product (3mm Airgap &		614	51	0.475	100.00	0.475		S1	0.099		0.099	
		surrounding the device (S1 - S4) and 20 cm above the top surface of the		52	0.544		0.544		S2	0.060		0.060	
2				53	0.537		0.537	1.63	S3	0.133	100	0.133	
2				S4	0.531		0.531	1.63	S4	0.054		0.054	
	Power > 50% Charging			Тор	0.523		0.523		Тор	0.093		0.093	
		SURFACE OF THE		Max	0.544		0.544	1	Max	0.134	1	0.134	
		EUI		S1	0.371		0.371	i	S1	0.053		0.053	
	Operating, 5W Real			52	0.387		0.387	1	S2	0.053	1	0.053	
	Product (3mm Airgap &			53	0.406	1	0.406	1	S3	0.175	1	0.175	
	5mm Shift to the Top)			54	0.534	100.00	0.534	1	S4	0.320	100	0.320	
	Power > 50% Charging			Тор	0.398	1	0.398	1	Тор	0.100	1	0.100	
				Max	0.536	1	0.536	1	Max	0.032	1	0.032	
	Occupies DMD-1			S1	0.574		0.574	1	S1	0.338		0.338	
	Operating, 5W Real			52	0.613		0.613	1	S2	0.539	1	0.539	
	Product (3mm Airgap &			53	0.440	1	0.440	1	53 54	0.286	1	0.286	
	5mm Shift to the			S4	0.575	100.00	0.575	1		0.300	100	0.300	
	Bottom)			Тор	0.406		0.406	i	Тор	0.309	1	0.309	
	Power > 50% Charging			Max	0.613		0.613	i	Max	0.539	1	0.539	

		Measuring	Electric Field Limit		Elect	ric Field Reading		Magnetic Field Limit	Magnetic Field Reading				
Configuration	Test Mode		(V/m)	(V/m)				(A/m)	(A/m)				
Configuration	rest wode	Distance (cm)	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	(A/m) station Peak Duty Cys 11 0.109 12 0.131 133 0.132 144 0.109 159 0.473 151 0.239 151 0.239 152 0.184 153 0.230 164 0.259 170 0.562 188 0.563 151 0.182 172 0.182 173 0.182 174 0.189 175 0.189 175 0.189 175 0.189 175 0.189 175 0.180 175 0	Duty Cycle %	FCC Average	
				S1	1.456		1.456		S1			0.109	
	Operating, 10W Load			S2	1.483		1.483		52			0.131	
	(Center)			S3	1.216	100.00	1.216		S3		100	0.132	
	Power > 90% Charging			S4	1.471	100.00	1.471		S4		100	0.109	
	Power > 50% Charging			Тор	2.023	Ī	2.023		Тор	0.473	<u> </u>	0.473	
				Max	2.023		2.023		Max			0.473	
				S1	1.484		1.484		S1	0.239		0.239	
	Operating, 10W Load (Shift 5mm to Right) Power > 90% Charging	Shift 5mm to Right)		S2	1.421		1.421		S2	0.184		0.184	
			614	S3	0.983	100.00	0.983		S3	0.230	100	0.230	
				S4	0.434		0.434		S4	0.259	100	0.259	
	Power > 90% Charging			Тор	2.005		2.005			0.562		0.562	
		15 cm		Max	2.005	İ	2.005			0.563		0.563	
		surrounding the device (S1 - S4) and 20 cm above the top surface of the		S1	0.668	100.00	0.668		S1	0.182		0.182	
	Operating, 10W Load (Shift 5mm to Left) Power > 90% Charging			S2	1.662		1.662		52	0.159		0.159	
3				S3	1.246		1.246		S3			0.200	
3				S4	0.328		0.328	1.63	S4			0.034	
				Тор	1.932		1.932		Тор	0.538		0.538	
				Max	1.932	İ	1.932		Max	0.541		0.541	
		EUT		S1	0.585		0.585		S1	0.568		0.568	
				S2	1.488	İ	1.488	1	S2	0.398		0.398	
	Operating, 10W Load			S3	1.337		1.337	1	S3			0.517	
	(Shift 5mm to Top)			S4	1.429	100.00	1.429	1	S4	0.265	100	0.265	
	Power > 90% Charging			Тор	0.546	İ	0.546	1	Тор	0.597		0.597	
	1	1		Max	1.488	İ	1.488	1	Max	0.597	1	0.597	
		1		S1	1.590		1.590	i	S1	0.597		0.597	
	l			S2	1.591	İ	1.591	i	52	0.692	1	0.692	
	Operating, 10W Load			S3	1.288		1.288	i	S3	0.519		0.519	
	(Shift 5mm to Bottom)	1		S4	1.528	100.00	1.528	1	S4		100	0.528	
	Power > 90% Charging			Тор	1.694	t	1.694	1		0.452		0.452	
	ĺ	1		Max	1.694		1.694	1	Max	0.692	1	0.692	

Configuration	Test Mode	Measuring	Electric Field Limit (V/m)		Elect	ric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
Corniguration	Test would	Distance (cm)	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location Peak	Peak	Duty Cycle %	FCC Average	
				S1	1.417		1.417		S1	0.187		0.187	
	Operating, 10W Load			S2	1.466		1.466		S2	0.161		0.161	
	(3mm Airgap at Center)			S3	0.855	100.00	0.855		S3	0.167	400	0.167	
	Power > 90% Charging			S4	1.322		1.322		S4	0.177	100	0.177	
	Power > 90% Charging			Тор	1.742		1.742		Тор	0.676		0.676	
				Max	1.742	1	1.742		Max	0.673		0.673	
				S1	1.291		1.291		S1	0.234		0.234	
	Operating, 10W Load			52	1.463	1	1.463		S2	0.233		0.233	
ļ	(3mm Airgap & 5mm			S3	0.878	100.00	0.878		S3	0.201	100	0.201	
	Shift to the Right)			S4	0.859	100.00	0.859		S4	0.345	100	0.345	
	Power > 90% Charging			Тор	3.158	1	3.758		Тор	0.675		0.675	
		15 cm		Max	8.158	1	3.758		Max	0.675		0.675	
		surrounding the	614	S1	1.481	100.00	1.481		S1	0.199	100	0.199	
	Operating, 10W Load (3mm Airgap & 5mm Shift to the Loft) and 20	device (S1 - S4)		S2	1.255		1.255		S3	0.289		0.289	
3		and 20 cm		S3	0.981		0.981	1.63		0.190		0.190	
3		above the top		S4	1.507		1.507	1.05	S4	0.218	100	0.218	
	Power > 90% Charging			Тор	0.671		0.671]	Тор	0.746		0.746	
		EUT		Max	1.507	1	1.507		Max	0.746		0.746	
		EUI		S1	0.975		0.975	1	S1	0.551		0.551	
	Operating, 10W Load			52	0.564	1	0.564		S2	0.406		0.406	
	(3mm Airgap & 5mm			53	0.750	100.00	0.750		S3	0.524	100	0.524	
	Shift to the Top)			S4	1.317	100.00	1.317		S4	0.488	100	0.488	
	Power > 90% Charging			Тор	0.804	1	0.804		Тор	0.795		0.795	
				Max	1.340	1	1.340		Max	0.796		0.796	
				S1	1.028		1.028	1	S1	0.748		0.748	
	Operating, 10W Load			52	1.276	1	1.276	1	S2	0.704		0.704	
	(3mm Airgap & 5mm			S3	0.551	100.00	0.551	1	S3	0.784	1	0.784	
	Shift to the Bottom)			S4	1.255	100.00	1.255	1	S4	0.587	100	0.587	
	Power > 90% Charging			Тор	1.664	1	1.664	1 1	Тор	0.622		0.622	
		l		Max	1.817	1	1.817	1	Max	0.748	1	0.748	

Quad Unit with Single Charge of 10W Load (Worst Case Configuration):

Cartianation	Test Mode	Measuring	Electric Field Limit (V/m)		Elect	ric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
Configuration	l'est Mode	Distance (cm)	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average	
				S1	1.504		1.504		S1 0.171	0.171		0.171	
	Operating, 10W Load			S2	1.464		1.464		S2	0.176		0.176	
	(3mm Airgap at Center)			S3	1.503	100.00	1.503		S3	0.157	100	0.157	
				S4	1.574		1.574		S4	0.194	100	0.194	
	Power > 90% Charging Operating, 10W Load (3mm Airgap & 5mm Shift to the Right) Power > 90% Charging Operating, 10W Load	Power > 90% Charging			Тор	2.946		2.946		Top	0.608		0.608
				Max	3.605		3.605		Max	0.608		0.608	
				S1	1.400		1.400		\$1	0.211		0.211	
		3mm Airgap & 5mm		S2	0.925		0.925		S2	0.228		0.228	
				S3	0.760	100.00	0.760		S3	0.294	100	0.294	
				S4	0.641	100.00	0.641		S4	0.378	100	0.378	
	Power > 90% Charging			Тор	2.098		2.098		Тор	0.731		0.731	
		15 cm		Max	2.098		2.098		Max	0.731		0.731	
		surrounding the		S1	1.488		1.488		S1	0.259		0.259	
	Operating, 10W Load (3mm Airgap & 5mm Shift to the Left) Power > 90% Charging above the top surface of the			S2	1.620		1.620	1	S2	0.181		0.181	
3		614	S3	1.527	100.00	1.527	1.63	S3	0.232	100	0.232		
-			S4	0.679		0.679		S4	0.304		0.304		
				Тор	1.151		1.151		Тор	0.760		0.760	
		EUT		Max	1.631		1.631		Max	0.760		0.760	
		201		S1	0.955		0.955		S1	0.555		0.555	
	Operating, 10W Load			S2	1.094		1.094] [S2	0.413		0.413	
	(3mm Airgap & 5mm			S3	0.895	100.00	0.895	1 1	S3 0.573		100	0.573	
	Shift to the Top)			S4	0.759		0.759]	S4	0.665	1 230	0.665	
	Power > 90% Charging			Тор	0.964		0.964]	Тор	0.759		0.759	
]		Max	1.102		1.102]	Max	0.759		0.759	
				S1	1.141		1.141		S1	0.758		0.758	
	Operating, 10W Load			S2	1.722		1.722		S2	0.579		0.579	
	(3mm Airgap & 5mm			S3	0.717	100.00	0.717		53	0.743	100	0.743	
	Shift to the Bottom)			S4	0.758	100.00	0.758		S4	0.685	1 200	0.685	
	Power > 90% Charging			Тор	3.631		3.631		Тор	0.641		0.641	
				Max	3.631	1	3.631	1 [Max	0.761	ī	0.761	

Quad Unit with Full Charge of 4 X 10W Loads (Worst Case Configuration):

Configuration	Test Mode	Measuring	Electric Field Limit (V/m)		Electri	ric Field Reading (V/m)		Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
Configuration	Test wode	Distance (cm)	FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Averag
				S1	2.744		2.744		S1	0.162		0.162
	Operating, 10W Load	'	1	52	2.764	100.00	2.764	1 '	S2	0.248	1 '	0.248
	(3mm Airgap at Center)	. '	1	S3	2.636		2.636	1 ,	S3	0.156	100	0.156
	(3mm Airgap at Center) Power > 90% Charging	'	1	S4	3.761	100.00	3.761	1	S4	0.143	100	0.143
	POWer > 50% Charging	'	1	Тор	2.946		2.946	1	Тор	0.608	1	0.608
		'	1	Max	3.761	A	3.761	1	Max	0.608	ا <u></u> '	0.608
		'	1	S1	1.207		1.207	1	S1	0.211	, I	0.211
	Operating, 10W Load	'	1 '	S2	1.852	4	1.852] 1	52	0.449	∄ '	0.449
	(3mm Airgap & 5mm		1	S3	1.203	100.00	1.203] 1	S3	0.255	100	0.255
l.	Shift to the Right)	'	1	S4	0.705	100.00	0.705] '	S4	0.207	100	0.207
	Power > 90% Charging	'	1	Тор	2.098	A .	2.098	.]	Тор	0.731	<u> </u>	0.731
		15 cm		Max	2.098	4	2.098	_]	Max	0.731	<u> </u>	0.731
		surrounding the		S1	1.184		1.184	_]	S1	0.740		0.740
	Operating, 10W Load	device (S1 - S4)		S2	1.743		1.743	_]	S2	0.385	<u> </u>	0.385
3	(3mm Airgap & 5mm	and 20 cm	614	S3	2.644	100.00	2.644	1.63	S3	0.245	100	0.245
3	Shift to the Left)	and 20 cm above the top	p1+4	54	2.122	100.00	2.122	1.65	S4	0.169	1 100	0.169
	Power > 90% Charging	surface of the	1	Тор	1.151	4	1.151	1 '	Тор	0.760	4 '	0.760
		EUT	1	Max	2.644	4	2.644	1 '	Max	0.760	1 '	0.760
		EU1 1	1	S1	2.295	A CONTRACTOR OF THE PROPERTY O	2.295	1 '	S1	0.283		0.283
	Operating, 10W Load	'	1	52	1.149	4	1.149	1 ,	52	0.284	1 '	0.284
	(3mm Airgap & 5mm	'	1	53	2.449	100.00	2.449	1 ,	S3	0.640	100	0.640
	Shift to the Top)	'	1	S4	1.509	100.00	1.509	1 ,	S4	0.533	100	0.533
	Power > 90% Charging	'	1	Тор	0.964	4	0.964	1 ,	Тор	0.759	1 '	0.759
		'	1	Max	2.449	A	2.449	1 ,	Max	0.759	1 '	0.759
		1 '	1	S1	2.136	A Company	2.136	1 ,	S1	0.320		0.320
	Operating, 10W Load	'	1	52	0.941	4	0.941	1	S2	0.245	1 '	0.245
	(3mm Airgap & 5mm	'	1	S3	2.733	100.00	2.733	1	S3	0.458	100	0.45
	Shift to the Bottom)	1	1	54	0.935	100.00	0.935	1 ,	S4	0.556	1 100	0.556
	Power > 90% Charging	'	1	Тор	3.631	4	3.631	1	Тор	0.641	∄ '	0.64:
				Max	3.631	4	3.631	1 '	Max	0.641	<i>i</i> i '	0.64