



TEST REPORT

Report Number. : 13941435-E3V2

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

Model : WIZ016

FCC ID : K7SWIZ016

EUT Description : WIRELESS CHARGER

Test Standard(s) : FCC PART 1 SUBPART I
FCC PART 2 SUBPART J

Date Of Issue:

November 09, 2021

Prepared by:

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	10/25/2021	Initial Issue	---
V2	11/9/2021	Updated EUT's description	Tina Chu

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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 CHARGER

MODEL NUMBER: WIZ016

SERIAL NUMBER: 47R10F69B00249

DATE TESTED: OCTOBER 4, 2021 TO OCTOBER 13, 2021

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 1 SUBPART I & PART 2 SUBPART J	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

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 A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

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2. TEST METHODOLOGY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

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

3. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	208313
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA	US0104	22541	208313
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA	US0104	2324B	208313

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U_{Lab}
Magnetic Field Reading (A/m)	+/-0.04284 (A/m)
Electric Field Reading (V/m)	+/-0.03682 (V/m)

Uncertainty figures are valid to a confidence level of 95.45%.

5. KDB 680106 D01 SECTION 5b EQUIPMENT APPROVAL CONSIDERATIONS

Requirement	Device
(1) Power transfer frequency is less than 1 MHz.	No. The maximum operating frequency is 1.778MHz.
(2) Output power from each primary coil is less than or equal to 15 watts.	Yes. The maximum power is 15W.
(3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	Yes. The system has three separated individual coil and each of them only allows for capable wireless power transfer between one source and one client at any given time.
(4) Client device is placed directly in contact with the transmitter.	Yes. The client device is placed directly in contact with the transmitter.
(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)	Yes. It is a mobile device.
(6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.	Yes. The total aggregate H-field strength is : (18.75 % + 15.83 % + 6.59%)= 41.17% of the MPE limit. Note above is worst case from each coil See table 1 below

Table 1

The worst case leakage of H-field strength from all simultaneous transmitting coils							Total H field of each configuration
Frequency / coil	360kHz (New iPhone)	127.7kHz (Legacy iPhone)	127.7kHz (AirPods Charging Case)	110.5kHz to 148.5Khz (AirPods Charging Case)	326kHz (Legacy Apple Watch)	1.778MHz (New Apple Watch)	
Test Config							
1				1.45%	0.48%		1.93%
2	18.75%						18.75%
3		5.30%					5.30%
4			4.97%				4.97%
5				13.08%			13.08%
6					3.01%		3.01%
7						0.87%	0.87%
8	5.87%			9.63%	6.59%		22.09%
9	9.69%			15.83%		0.50%	26.02%
10		5.17%		10.27%	5.42%		20.86%
11		6.03%		8.52%		5.69%	20.24%
12			7.93%	7.85%	6.00%		21.78%
13			7.44%	7.65%		0.73%	15.82%
Worst-case	18.75%	6.03%	7.93%	15.83%	6.59%	5.69%	26.02%
	0.306A/m	0.098A/m	0.129A/m	0.258A/m	0.107A/m	0.07A/m	

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is a Wireless Charger with 3 separated charging coils that is capable of charging 3 client devices at the same time.

First coil is used for charging a new iPhone at 360kHz (15W power), legacy iPhone at 127.7kHz (7.5W), AirPods Charging case at 127.7kHz (1W), second coil is used to charge AirPods Charging Case at 110.5kHz – 148.5kHz (1W power), and the third coil is used for charging an Apple Watch at either 326.5kHz or 1.778MHz with a maximum power 5W in charging status. EUT is powered by AC/DC adapter only.

6.2. WORST-CASE CONFIGURATION AND MODE

EUT is a desktop charger. For all tests, the EUT was connected to an AC/DC power adapter.

The EUT's third coil charging pad can be positioned in two orthogonal orientations X (flatbed) and Y (tilt). The inner base of the EUT can be elevated as an option. The worst orientation is as follows:

- 1) Standby mode: tilt in the upright position with the inner base elevated.
- 2) Operating mode: tilt in the upright position with the inner base elevated.

Worst case orientation of the client devices have been investigated and there is no significant delta at each orientation.

Testing for coils 1 and 3, testing is based on direct contact with no shifts in position due to the embedded magnet in the charger pad. Coil 2 has no magnetic hold. The AirPods Pro Charging Case is placed at the maximum power position during the testing.

Testing is performed on EUT's minimum and maximum load as worse case.

The EUT was investigated on the following configuration during the test at its natural orientation

Config	Mode	Descriptions	Client
1	Standby mode	EUT stand alone, powered by AC/DC adapter.	None
2	Operating @360kHz	Direct contact during charging between the EUT & WPT Client, EUT is powered by AC/DC adapter. (~10%, 20~60%, and >75% Power Charging)	1 st coil: iPhone 12
3	Operating @127.7kHz		1 st coil: Legacy iPhone
4	Operating @127.7kHz		1 st coil: AirPods Pro Charging Case with AirPods Pro charging inside
5	Operating @110.5kHz to 148.5kHz		2 nd coil: AirPods Pro Charging Case with AirPods Pro charging inside
6	Operating @326.5kHz		3 rd coil: Legacy Apple Watch
7	Operating @1.778MHz		3 rd coil: New Apple Watch
8	Operating @360kHz, @110.5kHz to 148.5kHz @326.5kHz	Direct contact during charging between the EUT & WPT Clients, EUT is powered by AC/DC adapter. (~10%, 20~60%, and >75% Power Charging) Direct contact during charging between the EUT & WPT Clients, EUT is powered by AC/DC adapter.	1 st coil: iPhone 12, 2 nd coil: AirPods Pro Charging Case with AirPods Pro charging inside, 3 rd coil: Legacy Apple Watch
9	Operating @360kHz, @110.5kHz to 148.5kHz @1.778MHz		1 st coil: iPhone 12, 2 nd coil: AirPods Pro Charging Case with AirPods Pro charging inside, 3 rd coil: New Apple Watch
10	Operating @127.7kHz, @110.5kHz to 148.5kHz @326.5kHz		1 st coil: Legacy iPhone 2 nd coil AirPods Pro Charging Case with AirPods Pro charging inside, 3 rd coil: Legacy Apple Watch
11	Operating @127.7kHz, @110.5kHz to 148.5kHz @1.778MHz		1st coil: Legacy iPhone 2nd coil AirPods Pro Charging Case with AirPods Pro charging inside, 3rd coil: New Apple Watch
12	Operating @127.7kHz, @110.5kHz to 148.5kHz and 326.5kHz		1st coil: AirPods Pro Charging Case with AirPods Pro charging inside, 2nd coil AirPods Pro Charging Case with AirPods Pro charging inside, 3rd coil: Legacy Apple Watch
13	Operating @127.7kHz, @110.5kHz to 148.5kHz and 1.778MHz		1st coil: AirPods Pro Charging Case with AirPods Pro charging inside, 2nd coil AirPods Pro Charging Case with AirPods Pro charging inside, 3rd coil: New Apple Watch

7. 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	S/N	Label ID	Cal Due	Cal Date
Electric and Magnetic Field Probe	Narda	EHP-200A	160WX41008	T1085	03/16/2022	03/16/2021
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	101724	PRE0179367	02/21/2022	02/21/2021

8. DUTY CYCLE

LIMITS

None; for reporting purposes only.

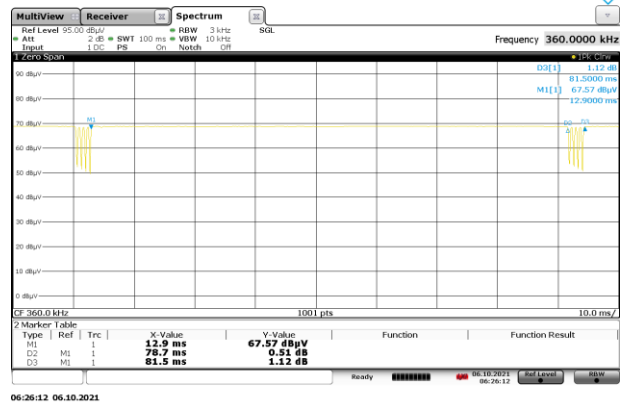
PROCEDURE

Zero-Span Spectrum Analyzer Method.

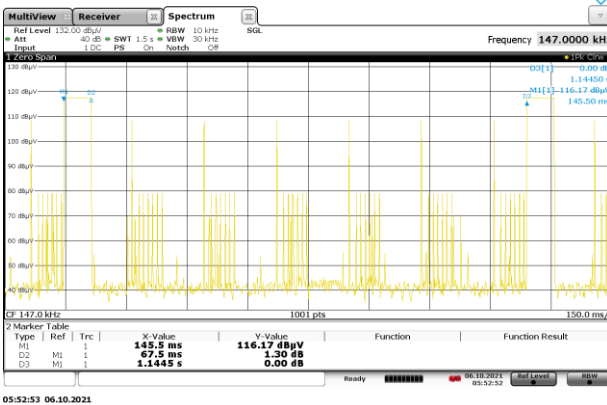
ON TIME AND DUTY CYCLE RESULTS

Configuration	Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
1	Standby @ 147kHz	67.50	1144.50	0.06	5.90	12.29
1	Standby @ 326.5kHz	16.70	201.20	0.08	8.30	10.81
2	Operating Frequency @ 360kHz	78.70	81.50	0.97	96.56	0.15
3	Operating Frequency @ 127.7kHz (7.5W)	1.00	1.00	1.00	100.00	0.00
4	Operating Frequency @ 127.7kHz (1W)	1.00	1.00	1.00	100.00	0.00
5	Operating Frequency @ 147.6kHz	1.00	1.00	1.00	100.00	0.00
6	Operating Frequency @ 326.5kHz	1.00	1.00	1.00	100.00	0.00
7	Operating Frequency @ 1.778MHz	1.00	1.00	1.00	100.00	0.00

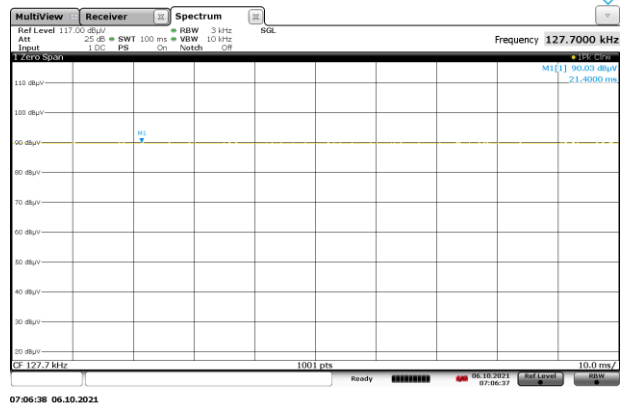
Configuration 1, 1st coil: 127.7KHz/360KHz no signals present.



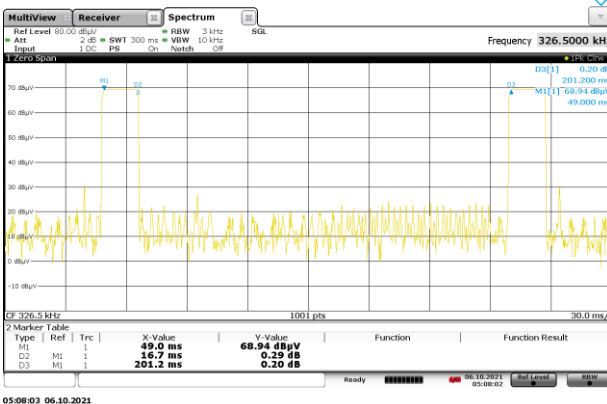
Config 2 Operating @ 360kHz



Config 1 Standby @ 147.0kHz



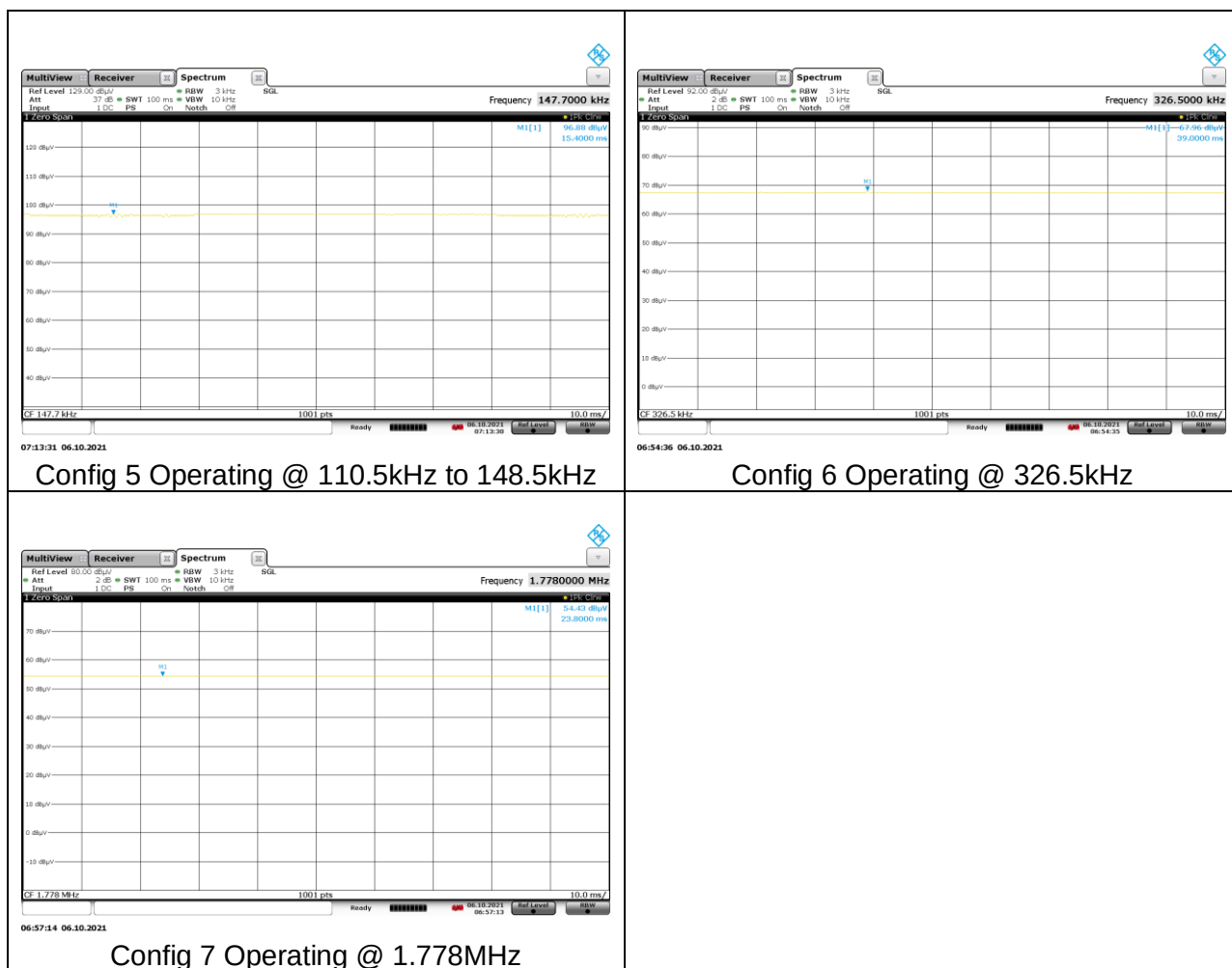
Config 3 Operating @ 127.7kHz (7.5W)



Config 1 Standby @ 326.5kHz



Config 4 Operating @ 127.7kHz (1W)



9. MAXIMUM PERMISSIBLE RF EXPOSURE

9.1. FCC LIMITS AND SUMMARY

§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/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

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/cm ²)	Averaging time (minutes)
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.

RESULT

Test Engineer:	29435 TC and 19232 NM	Test Date:	10/04/2021 to 10/13/2021
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MAXIMUM RESULT SUMMARY

CONFIGURATION 1: Standby

FCC Config 1: 110.5-148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.055	0.01%	1.63	0.024	1.45%

FCC Config 1: 326.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.086	0.01%	1.63	0.008	0.48%

CONFIGURATION 2: iPhone

FCC Config 2: Phone 360kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.518	0.08%	1.63	0.306	18.75%

CONFIGURATION 3: iPhone

FCC Config 3: Phone 127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.248	0.04%	1.63	0.086	5.30%

CONFIGURATION 4: AirPods Pro Charging Case with AirPods Pro

FCC Config 4: Airpods Charging Case 127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.567	0.09%	1.63	0.081	4.97%

CONFIGURATION 5: AirPods Pro Charging Case with AirPods Pro

FCC Config 5: Airpods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.725	0.12%	1.63	0.213	13.08%

CONFIGURATION 6: Apple Watch

FCC Config 6: Watch 326.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614.00	0.347	0.06%	1.63	0.049	3.01%

CONFIGURATION 7: Apple Watch

FCC Config 7: Watch 1.778MHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
463.44	0.211	0.05%	1.23	0.011	0.87%

CONFIGURATION 8: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

FCC Config 8: Phone 360kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.521	0.08%	1.63	0.096	5.87%

FCC Config 8: Airpods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.510	0.08%	1.63	0.157	9.63%

FCC Config 8: Watch 326.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.362	0.06%	1.63	0.107	6.59%

CONFIGURATION 9: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

FCC Config 9: Phone 360kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.441	0.07%	1.63	0.158	9.69%

FCC Config 9: Airpods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.569	0.09%	1.63	0.258	15.83%

FCC Config 9: Watch 1.778MHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
463.44	0.427	0.09%	1.23	0.006	0.50%

CONFIGURATION 10: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

FCC Config 10: Phone 127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.387	0.06%	1.63	0.084	5.17%

FCC Config 10: Airpods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.631	0.10%	1.63	0.167	10.27%

FCC Config 10: Watch 326.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.634	0.10%	1.63	0.088	5.42%

CONFIGURATION 11: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

FCC Config 11: Phone 127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.566	0.09%	1.63	0.098	6.03%

FCC Config 11: AirPods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.578	0.09%	1.63	0.139	8.52%

FCC Config 11: Watch 1.778MHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
463.44	0.501	0.11%	1.23	0.070	5.69%

CONFIGURATION 12: AirPods Pro Charging Case with AirPods Pro + AirPods Pro Charging Case with AirPods Pro + Apple Watch

FCC Config 12: AirPods Charging Case 127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.454	0.07%	1.63	0.129	7.93%

FCC Config 12: AirPods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.695	0.11%	1.63	0.128	7.85%

FCC Config 12: Watch 326.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.503	0.08%	1.63	0.098	6.00%

CONFIGURATION 13: AirPods Pro Charging Case with AirPods Pro + AirPods Pro Charging Case with AirPods Pro + Apple Watch

FCC Config 13: Airpods Charging Case 127.7kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.840	0.14%	1.63	0.121	7.44%

FCC Config 13: Airpods Charging Case 110.5kHz to 148.5kHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
614	0.680	0.11%	1.63	0.125	7.65%

FCC Config 13: Watch 1.778MHz

Electric Field Limit			Magnetic Field Limit		
FCC RF Exposure Limit	Maximum Average (V/m)	Percentage (%)	FCC RF Exposure	Maximum Average (A/m)	Percentage (%)
463.44	0.293	0.06%	1.23	0.009	0.73%

E- FIELD AND H- FIELD MEASUREMENTS

Note: Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Field Strength x $\sqrt{\text{Duty Cycle}}$].

CONFIGURATION 1: Standby

110.5 kHz to 148.5 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit	Electric Field Reading				Magnetic Field Limit	Magnetic Field Reading			
			(V/m)	(V/m)				(A/m)	(A/m)			
			FCC Limit	Location	Peak	Duty Cycle %	FCC Average	FCC Limit	Location	Peak	Duty Cycle %	FCC Average
1	Standby	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.186	5.9	0.045	1.63	S1	0.022	5.9	0.005
				S2	0.222		0.054		S2	0.027		0.007
				S3	0.179		0.043		S3	0.020		0.005
				S4	0.193		0.047		S4	0.023		0.006
				Top	0.157		0.038		Top	0.023		0.006
				Bottom	0.226		0.055		Bottom	0.097		0.024
				Max	0.226		0.055		Max	0.097		0.024

326.5 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit	Electric Field Reading				Magnetic Field Limit	Magnetic Field Reading			
			(V/m)	(V/m)				(A/m)	(A/m)			
			FCC Limit	Location	Peak	Duty Cycle %	FCC Average	FCC Limit	Location	Peak	Duty Cycle %	FCC Average
1	Standby	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.186	8.3	0.053	1.63	S1	0.022	8.3	0.006
				S2	0.300		0.086		S2	0.021		0.006
				S3	0.199		0.057		S3	0.024		0.007
				S4	0.215		0.062		S4	0.024		0.007
				Top	0.162		0.047		Top	0.024		0.007
				Bottom	0.164		0.047		Bottom	0.027		0.008
				Max	0.300		0.086		Max	0.027		0.008

CONFIGURATION 2: iPhone

360 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
2	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.350	97	0.344	1.63	S1	0.030	97	0.030
				S2	0.477		0.469		S2	0.024		0.024
				S3	0.329		0.323		S3	0.029		0.029
				S4	0.315		0.310		S4	0.028		0.027
				Top	0.205		0.202		Top	0.031		0.030
				Bottom	0.506		0.497		Bottom	0.031		0.030
				Max	0.506		0.497		Max	0.031		0.030
				Operating Real Product (Power 20% ~ 60% Charging)	S1		0.400		0.393	S1		0.031
	S2		0.487		0.478	S2	0.028		0.027			
	S3		0.343		0.337	S3	0.031		0.030			
	S4		0.441		0.434	S4	0.051		0.050			
	Top		0.295		0.290	Top	0.311		0.306			
	Bottom		0.523		0.514	Bottom	0.031		0.030			
	Max		0.523		0.514	Max	0.311		0.306			
	Operating Real Product (Power >75% Charging)		S1		0.400	0.393	S1		0.034	0.033		
			S2	0.494	0.486	S2	0.031		0.030			
			S3	0.351	0.345	S3	0.031		0.030			
			S4	0.489	0.480	S4	0.052		0.051			
			Top	0.435	0.427	Top	0.311		0.306			
			Bottom	0.527	0.518	Bottom	0.303		0.298			
			Max	0.527	0.518	Max	0.311		0.306			

CONFIGURATION 3: iPhone

127.7 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
3	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.181	100	0.181	1.63	S1	0.024	100	0.024
				S2	0.172		0.172		S2	0.028		0.028
				S3	0.172		0.172		S3	0.024		0.024
				S4	0.199		0.199		S4	0.027		0.027
				Top	0.181		0.181		Top	0.039		0.039
				Bottom	0.172		0.172		Bottom	0.063		0.063
				Max	0.199		0.199		Max	0.063		0.063
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.223	100	0.223		S1	0.037	100	0.037
				S2	0.198		0.198		S2	0.041		0.041
				S3	0.190		0.190		S3	0.037		0.037
				S4	0.174		0.174		S4	0.040		0.040
				Top	0.151		0.151		Top	0.052		0.052
				Bottom	0.187		0.187		Bottom	0.063		0.063
				Max	0.223		0.223		Max	0.069		0.069
	Operating Real Product (Power >75% Charging)			S1	0.199	100	0.199		S1	0.033	100	0.033
				S2	0.248		0.248		S2	0.037		0.037
				S3	0.182		0.182		S3	0.033		0.033
				S4	0.063		0.063		S4	0.036		0.036
				Top	0.187		0.187		Top	0.048		0.048
				Bottom	0.173		0.173		Bottom	0.086		0.086
				Max	0.248		0.248		Max	0.086		0.086

CONFIGURATION 4: AirPods Pro Charging Case with AirPods Pro

127.7 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
4	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.164	100	0.164	1.63	S1	0.024	100	0.024
				S2	0.193		0.193		S2	0.023		0.023
				S3	0.166		0.166		S3	0.024		0.024
				S4	0.552		0.552		S4	0.080		0.080
				Top	0.184		0.184		Top	0.053		0.053
				Bottom	0.236		0.236		Bottom	0.024		0.024
				Max	0.552		0.552		Max	0.080		0.080
				S1	0.168		100		0.168	S1		0.024
	S2			0.198	0.198	S2			0.024	0.024		
	S3			0.170	0.170	S3			0.024	0.024		
	S4			0.567	0.567	S4			0.081	0.081		
	Top			0.189	0.189	Top			0.054	0.054		
	Bottom			0.242	0.242	Bottom			0.024	0.024		
	Max			0.567	0.567	Max			0.081	0.081		
	S1			0.176	100	0.176			S1	0.024	100	0.024
	S2			0.208		0.208	S2		0.023	0.023		
	S3			0.179		0.179	S3		0.024	0.024		
	S4			0.392		0.392	S4		0.080	0.080		
	Top			0.198		0.198	Top		0.053	0.053		
	Bottom			0.254		0.254	Bottom		0.024	0.024		
	Max			0.254		0.254	Max		0.080	0.080		

CONFIGURATION 5: AirPods Pro Charging Case with AirPods Pro

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
5	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.193	100	0.193	1.63	S1	0.034	100	0.034
				S2	0.236		0.236		S2	0.033		0.033
				S3	0.162		0.162		S3	0.040		0.040
				S4	0.204		0.204		S4	0.035		0.035
				Top	0.262		0.262		Top	0.206		0.206
				Bottom	0.725		0.725		Bottom	0.114		0.114
				Max	0.725		0.725		Max	0.206		0.206
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.193	100	0.193		S1	0.034	100	0.034
				S2	0.236		0.236		S2	0.034		0.034
				S3	0.162		0.162		S3	0.041		0.041
				S4	0.204		0.204		S4	0.036		0.036
				Top	0.262		0.262		Top	0.210		0.210
				Bottom	0.725		0.725		Bottom	0.116		0.116
				Max	0.725		0.725		Max	0.210		0.210
	Operating Real Product (Power >75% Charging)			S1	0.193	100	0.193		S1	0.035	100	0.035
				S2	0.236		0.236		S2	0.034		0.034
				S3	0.162		0.162		S3	0.042		0.042
				S4	0.204		0.204		S4	0.036		0.036
				Top	0.262		0.262		Top	0.213		0.213
				Bottom	0.725		0.725		Bottom	0.118		0.118
				Max	0.725		0.725		Max	0.213		0.213

CONFIGURATION 6: Apple Watch

326.5 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
6	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.273	100	0.273	1.63	S1	0.024	100	0.024
				S2	0.347		0.347		S2	0.048		0.048
				S3	0.245		0.245		S3	0.028		0.028
				S4	0.211		0.211		S4	0.024		0.024
				Top	0.173		0.173		Top	0.027		0.027
				Bottom	0.172		0.172		Bottom	0.024		0.024
				Max	0.347		0.347		Max	0.048		0.048
				S1	0.273		100		0.273	S1		0.024
	S2		0.347	0.347	S2	0.048			0.048			
	S3		0.245	0.245	S3	0.028			0.028			
	S4		0.211	0.211	S4	0.024			0.024			
	Top		0.173	0.173	Top	0.027			0.027			
	Bottom		0.172	0.172	Bottom	0.024			0.024			
	Max		0.347	0.347	Max	0.048			0.048			
	S1		0.273	100	0.273	S1			0.025	100	0.025	
	S2		0.346		0.346	S2	0.049		0.049			
	S3		0.245		0.245	S3	0.029		0.029			
	S4		0.211		0.211	S4	0.026		0.026			
	Top		0.173		0.173	Top	0.028		0.028			
	Bottom		0.172		0.172	Bottom	0.026		0.026			
	Max		0.346		0.346	Max	0.049		0.049			

CONFIGURATION 7: Apple Watch

1.778 MHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
7	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	463.44	S1	0.186	100	0.186	1.23	S1	0.006	100	0.006
				S2	0.211		0.211		S2	0.011		0.011
				S3	0.187		0.187		S3	0.007		0.007
				S4	0.204		0.204		S4	0.007		0.007
				Top	0.194		0.194		Top	0.008		0.008
				Bottom	0.204		0.204		Bottom	0.008		0.008
				Max	0.211		0.211		Max	0.011		0.011
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.183	100	0.183		S1	0.003	100	0.003
				S2	0.209		0.209		S2	0.007		0.007
				S3	0.184		0.184		S3	0.003		0.003
				S4	0.201		0.201		S4	0.003		0.003
				Top	0.191		0.191		Top	0.005		0.005
				Bottom	0.201		0.201		Bottom	0.005		0.005
				Max	0.209		0.209		Max	0.007		0.007
	Operating Real Product (Power >75% Charging)			S1	0.182	100	0.182		S1	0.003	100	0.003
				S2	0.208		0.208		S2	0.007		0.007
				S3	0.184		0.184		S3	0.003		0.003
				S4	0.200		0.200		S4	0.003		0.003
				Top	0.191		0.191		Top	0.005		0.005
				Bottom	0.200		0.200		Bottom	0.005		0.005
				Max	0.208		0.208		Max	0.007		0.007

CONFIGURATION 8: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

360 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
8	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.395	97	0.388	1.63	S1	0.042	97	0.041
				S2	0.462		0.454		S2	0.046		0.045
				S3	0.345		0.339		S3	0.040		0.039
				S4	0.340		0.334		S4	0.048		0.047
				Top	0.382		0.375		Top	0.074		0.073
				Bottom	0.529		0.520		Bottom	0.096		0.095
				Max	0.529		0.520		Max	0.096		0.095
	Operating Real Product (Power 20% ~ 60% Charging)		S1	0.395	97	0.388	S1		0.042	97	0.042	
			S2	0.462		0.454	S2		0.046		0.045	
			S3	0.345		0.339	S3		0.040		0.039	
			S4	0.341		0.335	S4		0.048		0.047	
			Top	0.382		0.376	Top		0.075		0.073	
			Bottom	0.529		0.520	Bottom		0.096		0.095	
			Max	0.529		0.520	Max		0.096		0.095	
	Operating Real Product (Power >75% Charging)		S1	0.396	97	0.389	S1		0.043	97	0.043	
			S2	0.463		0.455	S2		0.047		0.046	
			S3	0.346		0.340	S3		0.041		0.040	
			S4	0.341		0.335	S4		0.049		0.048	
			Top	0.383		0.377	Top		0.076		0.074	
			Bottom	0.530		0.521	Bottom		0.097		0.096	
			Max	0.530		0.521	Max		0.097		0.096	

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
8	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.219	100	0.219	1.63	S1	0.024	100	0.024
	S2			0.199	0.199		S2		0.023	0.023		
	S3			0.182	0.182		S3		0.027	0.027		
	S4			0.218	0.218		S4		0.035	0.035		
	Top			0.228	0.228		Top		0.076	0.076		
	Bottom			0.255	0.255		Bottom		0.028	0.028		
	Max			0.255	0.255		Max		0.076	0.076		
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.425	100	0.425		S1	0.034	100	0.034
				S2	0.310		0.310		S2	0.050		0.050
				S3	0.306		0.306		S3	0.033		0.033
				S4	0.510		0.510		S4	0.045		0.045
				Top	0.449		0.449		Top	0.157		0.157
				Bottom	0.274		0.274		Bottom	0.139		0.139
				Max	0.510		0.510		Max	0.157		0.157
	Operating Real Product (Power >75% Charging)			S1	0.199	100	0.199		S1	0.024	100	0.024
				S2	0.241		0.241		S2	0.045		0.045
				S3	0.207		0.207		S3	0.028		0.028
				S4	0.207		0.207		S4	0.028		0.028
				Top	0.313		0.313		Top	0.026		0.026
				Bottom	0.488		0.488		Bottom	0.121		0.121
				Max	0.488		0.488		Max	0.121		0.121

326.5 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
8	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.252	100	0.252	1.63	S1	0.021	100	0.021
				S2	0.362		0.362		S2	0.056		0.056
				S3	0.264		0.264		S3	0.028		0.028
				S4	0.269		0.269		S4	0.043		0.043
				Top	0.164		0.164		Top	0.051		0.051
				Bottom	0.243		0.243		Bottom	0.054		0.054
				Max	0.362		0.362		Max	0.056		0.056
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.218	100	0.218		S1	0.024	100	0.024
				S2	0.310		0.310		S2	0.073		0.073
				S3	0.279		0.279		S3	0.023		0.023
				S4	0.302		0.302		S4	0.036		0.036
				Top	0.154		0.154		Top	0.021		0.021
				Bottom	0.227		0.227		Bottom	0.060		0.060
				Max	0.310		0.310		Max	0.073		0.073
	Operating Real Product (Power >75% Charging)			S1	0.193	100	0.193		S1	0.028	100	0.028
				S2	0.295		0.295		S2	0.107		0.107
				S3	0.213		0.213		S3	0.024		0.024
				S4	0.230		0.230		S4	0.029		0.029
				Top	0.172		0.172		Top	0.047		0.047
				Bottom	0.313		0.313		Bottom	0.044		0.044
				Max	0.313		0.313		Max	0.107		0.107

CONFIGURATION 9: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

360 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average	
9	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	97	S1	0.425		0.417	1.63	S1	0.036		0.035
					S2	0.448		0.440		S2	0.045		0.045
					S3	0.406		0.399		S3	0.033		0.033
					S4	0.404		0.397		S4	0.037		0.036
					Top	0.406		0.399		Top	0.075		0.074
					Bottom	0.360		0.354		Bottom	0.160		0.158
					Max	0.448		0.440		Max	0.160		0.158
					Operating Real Product (Power 20% ~ 60% Charging)	97	S1	0.426			0.418	S1	0.036
	S2			0.449				0.441	S2	0.045		0.045	
	S3			0.407				0.400	S3	0.033		0.033	
	S4			0.405				0.398	S4	0.037		0.036	
	Top			0.407				0.400	Top	0.075		0.074	
	Bottom			0.362				0.355	Bottom	0.160		0.158	
	Max			0.449				0.441	Max	0.160		0.158	
	Operating Real Product (Power >75% Charging)			97			S1	0.426		0.418	S1	0.036	
					S2	0.449		0.441	S2	0.046		0.045	
					S3	0.407		0.400	S3	0.034		0.033	
					S4	0.405		0.398	S4	0.037		0.036	
					Top	0.407		0.400	Top	0.075		0.074	
					Bottom	0.362		0.355	Bottom	0.161		0.158	
					Max	0.449		0.441	Max	0.161		0.158	

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
9	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.486	100	0.486	1.63	S1	0.035	100	0.035
				S2	0.534		0.534		S2	0.057		0.057
				S3	0.448		0.448		S3	0.036		0.036
				S4	0.534		0.534		S4	0.039		0.039
				Top	0.408		0.408		Top	0.094		0.094
				Bottom	0.569		0.569		Bottom	0.119		0.119
				Max	0.569		0.569		Max	0.119		0.119
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.191	100	0.191		S1	0.024	100	0.024
				S2	0.204		0.204		S2	0.035		0.035
				S3	0.206		0.206		S3	0.022		0.022
				S4	0.226		0.226		S4	0.258		0.258
				Top	0.341		0.341		Top	0.064		0.064
				Bottom	0.418		0.418		Bottom	0.092		0.092
				Max	0.418		0.418		Max	0.258		0.258
	Operating Real Product (Power >75% Charging)			S1	0.215	100	0.215		S1	0.024	100	0.024
				S2	0.310		0.310		S2	0.031		0.031
				S3	0.215		0.215		S3	0.022		0.022
				S4	0.236		0.236		S4	0.023		0.023
				Top	0.359		0.359		Top	0.066		0.066
				Bottom	0.223		0.223		Bottom	0.097		0.097
				Max	0.359		0.359		Max	0.097		0.097

1.778 MHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
				FCC	Location	Peak	Duty Cycle %		FCC Average	FCC	Location	Peak
9	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	463.44	S1	0.269	100	0.269	1.23	S1	0.004	100	0.004
				S2	0.424		0.424		S2	0.006		0.006
				S3	0.269		0.269		S3	0.004		0.004
				S4	0.277		0.277		S4	0.004		0.004
				Top	0.218		0.218		Top	0.005		0.005
				Bottom	0.218		0.218		Bottom	0.006		0.006
				Max	0.424		0.424		Max	0.006		0.006
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.271	0.271	S1		0.004	0.004		
				S2	0.426	0.426	S2		0.006	0.006		
				S3	0.271	0.271	S3		0.004	0.004		
				S4	0.279	0.279	S4		0.004	0.004		
				Top	0.219	0.219	Top		0.005	0.005		
				Bottom	0.219	0.219	Bottom		0.006	0.006		
				Max	0.426	0.426	Max		0.006	0.006		
	Operating Real Product (Power >75% Charging)			S1	0.271	0.271	S1		0.004	0.004		
				S2	0.427	0.427	S2		0.006	0.006		
				S3	0.271	0.271	S3		0.004	0.004		
				S4	0.279	0.279	S4		0.004	0.004		
				Top	0.220	0.220	Top		0.005	0.005		
				Bottom	0.220	0.220	Bottom		0.006	0.006		
				Max	0.427	0.427	Max		0.006	0.006		
				S1	0.269	0.269	S1		0.004	0.004		

CONFIGURATION 10: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

127.7 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
10	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	100	S1	0.320	0.320	1.63	100	S1	0.036	0.036
					S2	0.387	0.387			S2	0.050	0.050
					S3	0.289	0.289			S3	0.035	0.035
					S4	0.320	0.320			S4	0.039	0.039
					Top	0.316	0.316			Top	0.072	0.072
					Bottom	0.347	0.347			Bottom	0.084	0.084
					Max	0.387	0.387			Max	0.084	0.084
					Operating Real Product (Power 20% ~ 60% Charging)	100	S1			0.319	0.319	100
	S2			0.386			0.386	S2	0.050	0.050		
	S3			0.288			0.288	S3	0.035	0.035		
	S4			0.319			0.319	S4	0.039	0.039		
	Top			0.316			0.316	Top	0.072	0.072		
	Bottom			0.347			0.347	Bottom	0.084	0.084		
	Max			0.386			0.386	Max	0.084	0.084		
	Operating Real Product (Power >75% Charging)			100			S1	0.319	0.319	100	S1	
					S2	0.386	0.386	S2	0.050		0.050	
					S3	0.288	0.288	S3	0.035		0.035	
					S4	0.319	0.319	S4	0.039		0.039	
					Top	0.316	0.316	Top	0.072		0.072	
				Bottom	0.347	0.347	Bottom	0.084	0.084			
				Max	0.386	0.386	Max	0.084	0.084			

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
10	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.384	100	0.384	1.63	S1	0.034	100	0.034
				S2	0.597		0.597		S2	0.054		0.054
				S3	0.514		0.514		S3	0.036		0.036
				S4	0.631		0.631		S4	0.043		0.043
				Top	0.457		0.457		Top	0.083		0.083
				Bottom	0.592		0.592		Bottom	0.167		0.167
				Max	0.631		0.631		Max	0.167		0.167
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.387	100	0.387		S1	0.034	100	0.034
				S2	0.410		0.410		S2	0.053		0.053
				S3	0.326		0.326		S3	0.034		0.034
				S4	0.406		0.406		S4	0.045		0.045
				Top	0.318		0.318		Top	0.086		0.086
				Bottom	0.479		0.479		Bottom	0.165		0.165
				Max	0.479		0.479		Max	0.165		0.165
	Operating Real Product (Power >75% Charging)			S1	0.448	100	0.448		S1	0.034	100	0.034
				S2	0.420		0.420		S2	0.047		0.047
				S3	0.462		0.462		S3	0.033		0.033
				S4	0.558		0.558		S4	0.036		0.036
				Top	0.487		0.487		Top	0.034		0.034
				Bottom	0.527		0.527		Bottom	0.165		0.165
				Max	0.558		0.558		Max	0.165		0.165

326.5 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
10	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.572	100	0.572	1.63	S1	0.033	100	0.033
				S2	0.542		0.542		S2	0.037		0.037
				S3	0.465		0.465		S3	0.035		0.035
				S4	0.577		0.577		S4	0.035		0.035
				Top	0.365		0.365		Top	0.051		0.051
				Bottom	0.331		0.331		Bottom	0.088		0.088
				Max	0.577		0.577		Max	0.088		0.088
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.495	100	0.495		S1	0.035	100	0.035
				S2	0.459		0.459		S2	0.037		0.037
				S3	0.505		0.505		S3	0.035		0.035
				S4	0.572		0.572		S4	0.038		0.038
				Top	0.218		0.218		Top	0.059		0.059
				Bottom	0.394		0.394		Bottom	0.082		0.082
				Max	0.572		0.572		Max	0.082		0.082
	Operating Real Product (Power >75% Charging)			S1	0.476	100	0.476		S1	0.033	100	0.033
				S2	0.472		0.472		S2	0.037		0.037
				S3	0.493		0.493		S3	0.035		0.035
				S4	0.634		0.634		S4	0.038		0.038
				Top	0.226		0.226		Top	0.064		0.064
				Bottom	0.339		0.339		Bottom	0.075		0.075
				Max	0.634		0.634		Max	0.075		0.075

CONFIGURATION 11: iPhone + AirPods Pro Charging Case with AirPods Pro + Apple Watch

127.7 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
11	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1- S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.387	100	0.387	1.63	S1	0.036	100	0.036
				S2	0.538		0.538		S2	0.039		0.039
				S3	0.423		0.423		S3	0.034		0.034
				S4	0.409		0.409		S4	0.037		0.037
				Top	0.331		0.331		Top	0.071		0.071
				Bottom	0.566		0.566		Bottom	0.096		0.096
				Max	0.566		0.566		Max	0.096		0.096
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.357	100	0.357		S1	0.034	100	0.034
				S2	0.483		0.483		S2	0.041		0.041
				S3	0.378		0.378		S3	0.034		0.034
				S4	0.396		0.396		S4	0.037		0.037
				Top	0.311		0.311		Top	0.073		0.073
				Bottom	0.542		0.542		Bottom	0.095		0.095
				Max	0.542		0.542		Max	0.095		0.095
	Operating Real Product (Power >75% Charging)			S1	0.374	100	0.374		S1	0.035	100	0.035
				S2	0.477		0.477		S2	0.042		0.042
				S3	0.338		0.338		S3	0.035		0.035
				S4	0.448		0.448		S4	0.037		0.037
				Top	0.320		0.320		Top	0.071		0.071
				Bottom	0.499		0.499		Bottom	0.098		0.098
				Max	0.499		0.499		Max	0.098		0.098

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)				
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
11	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.526	100	0.526	1.63	S1	0.036	100	0.036
				S2	0.578		0.578		S2	0.053		0.053
				S3	0.427		0.427		S3	0.036		0.036
				S4	0.493		0.493		S4	0.049		0.049
				Top	0.372		0.372		Top	0.078		0.078
				Bottom	0.530		0.530		Bottom	0.139		0.139
				Max	0.578		0.578		Max	0.139		0.139
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.524	100	0.524		S1	0.036	100	0.036
				S2	0.576		0.576		S2	0.053		0.053
				S3	0.425		0.425		S3	0.036		0.036
				S4	0.491		0.491		S4	0.049		0.049
				Top	0.370		0.370		Top	0.077		0.077
				Bottom	0.528		0.528		Bottom	0.139		0.139
				Max	0.576		0.576		Max	0.139		0.139
	Operating Real Product (Power >75% Charging)			S1	0.523	100	0.523		S1	0.035	100	0.035
				S2	0.575		0.575		S2	0.053		0.053
				S3	0.423		0.423		S3	0.035		0.035
				S4	0.490		0.490		S4	0.049		0.049
				Top	0.369		0.369		Top	0.077		0.077
				Bottom	0.527		0.527		Bottom	0.138		0.138
				Max	0.575		0.575		Max	0.138		0.138

1.778 MHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
11	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	463.44	S1	0.373	100	0.373	1.23	S1	0.034	100	0.034
				S2	0.501		0.501		S2	0.051		0.051
				S3	0.346		0.346		S3	0.041		0.041
				S4	0.397		0.397		S4	0.070		0.070
				Top	0.255		0.255		Top	0.053		0.053
				Bottom	0.226		0.226		Bottom	0.034		0.034
				Max	0.501		0.501		Max	0.070		0.070
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.373	100	0.373		S1	0.034	100	0.034
				S2	0.501		0.501		S2	0.050		0.050
				S3	0.346		0.346		S3	0.041		0.041
				S4	0.397		0.397		S4	0.070		0.070
				Top	0.255		0.255		Top	0.053		0.053
				Bottom	0.226		0.226		Bottom	0.034		0.034
				Max	0.501		0.501		Max	0.070		0.070
	Operating Real Product (Power >75% Charging)			S1	0.373	100	0.373		S1	0.034	100	0.034
				S2	0.501		0.501		S2	0.051		0.051
				S3	0.346		0.346		S3	0.041		0.041
				S4	0.398		0.398		S4	0.070		0.070
				Top	0.255		0.255		Top	0.053		0.053
				Bottom	0.227		0.227		Bottom	0.034		0.034
				Max	0.501		0.501		Max	0.070		0.070

CONFIGURATION 12: AirPods Pro Charging Case with AirPods Pro + AirPods Pro Charging Case with AirPods Pro + Apple Watch

127.7 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
12	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.345	100	0.345	1.63	S1	0.036	100	0.036
				S2	0.452		0.452		S2	0.047		0.047
				S3	0.378		0.378		S3	0.035		0.035
				S4	0.420		0.420		S4	0.039		0.039
				Top	0.365		0.365		Top	0.087		0.087
				Bottom	0.444		0.444		Bottom	0.128		0.128
				Max	0.452		0.452		Max	0.128		0.128
				S1	0.347		100		0.347	S1		0.037
	S2		0.454	0.454	S2	0.048		0.048				
	S3		0.380	0.380	S3	0.036		0.036				
	S4		0.422	0.422	S4	0.040		0.040				
	Top		0.367	0.367	Top	0.088		0.088				
	Bottom		0.446	0.446	Bottom	0.129		0.129				
	Max		0.454	0.454	Max	0.129		0.129				
	S1		0.344	100	0.344	S1		0.034	100	0.034		
	S2		0.451		0.451	S2	0.045	0.045				
	S3		0.377		0.377	S3	0.033	0.033				
	S4		0.419		0.419	S4	0.037	0.037				
	Top		0.364		0.364	Top	0.085	0.085				
	Bottom		0.443		0.443	Bottom	0.126	0.126				
	Max		0.451		0.451	Max	0.126	0.126				

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
12	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.501	100	0.501	1.63	S1	0.035	100	0.035
				S2	0.558		0.558		S2	0.043		0.043
				S3	0.462		0.462		S3	0.034		0.034
				S4	0.501		0.501		S4	0.041		0.041
				Top	0.259		0.259		Top	0.080		0.080
				Bottom	0.638		0.638		Bottom	0.128		0.128
				Max	0.638		0.638		Max	0.128		0.128
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.420	100	0.420		S1	0.034	100	0.034
				S2	0.515		0.515		S2	0.038		0.038
				S3	0.534		0.534		S3	0.034		0.034
				S4	0.564		0.564		S4	0.039		0.039
				Top	0.248		0.248		Top	0.076		0.076
				Bottom	0.680		0.680		Bottom	0.107		0.107
				Max	0.680		0.680		Max	0.107		0.107
	Operating Real Product (Power >75% Charging)			S1	0.520	100	0.520		S1	0.033	100	0.033
				S2	0.537		0.537		S2	0.039		0.039
				S3	0.476		0.476		S3	0.036		0.036
				S4	0.564		0.564		S4	0.041		0.041
				Top	0.248		0.248		Top	0.076		0.076
				Bottom	0.695		0.695		Bottom	0.110		0.110
				Max	0.695		0.695		Max	0.110		0.110

326.5 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
12	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.462	100	0.462	1.63	S1	0.036	100	0.036
				S2	0.503		0.503		S2	0.055		0.055
				S3	0.346		0.346		S3	0.035		0.035
				S4	0.438		0.438		S4	0.049		0.049
				Top	0.474		0.474		Top	0.056		0.056
				Bottom	0.266		0.266		Bottom	0.098		0.098
				Max	0.503		0.503		Max	0.098		0.098
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.462	100	0.462		S1	0.036	100	0.036
				S2	0.503		0.503		S2	0.056		0.056
				S3	0.346		0.346		S3	0.035		0.035
				S4	0.438		0.438		S4	0.050		0.050
				Top	0.475		0.475		Top	0.056		0.056
				Bottom	0.266		0.266		Bottom	0.098		0.098
				Max	0.503		0.503		Max	0.098		0.098
	Operating Real Product (Power >75% Charging)			S1	0.462	100	0.462		S1	0.035	100	0.035
				S2	0.502		0.502		S2	0.055		0.055
				S3	0.345		0.345		S3	0.034		0.034
				S4	0.437		0.437		S4	0.049		0.049
				Top	0.474		0.474		Top	0.056		0.056
				Bottom	0.265		0.265		Bottom	0.097		0.097
				Max	0.502		0.502		Max	0.097		0.097

CONFIGURATION 13: AirPods Pro Charging Case with AirPods Pro + AirPods Pro Charging Case with AirPods Pro + Apple Watch

127.7 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
13	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.549	100	0.549	1.63	S1	0.033	100	0.033
				S2	0.840		0.840		S2	0.042		0.042
				S3	0.705		0.705		S3	0.034		0.034
				S4	0.768		0.768		S4	0.050		0.050
				Top	0.294		0.294		Top	0.069		0.069
				Bottom	0.732		0.732		Bottom	0.096		0.096
				Max	0.840		0.840		Max	0.096		0.096
	Operating Real Product (Power 20% ~60% Charging)			S1	0.401	100	0.401		S1	0.034	100	0.034
				S2	0.466		0.466		S2	0.046		0.046
				S3	0.524		0.524		S3	0.048		0.048
				S4	0.486		0.486		S4	0.036		0.036
				Top	0.338		0.338		Top	0.066		0.066
				Bottom	0.613		0.613		Bottom	0.121		0.121
				Max	0.613		0.613		Max	0.121		0.121
	Operating Real Product (Power >75% Charging)			S1	0.613	100	0.613		S1	0.035	100	0.035
				S2	0.624		0.624		S2	0.037		0.037
				S3	0.529		0.529		S3	0.034		0.034
				S4	0.549		0.549		S4	0.036		0.036
				Top	0.318		0.318		Top	0.076		0.076
				Bottom	0.620		0.620		Bottom	0.121		0.121
				Max	0.635		0.635		Max	0.121		0.121

147 kHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
13	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	614	S1	0.424	100	0.424	1.63	S1	0.036	100	0.036
				S2	0.461		0.461		S2	0.048		0.048
				S3	0.405		0.405		S3	0.034		0.034
				S4	0.677		0.677		S4	0.041		0.041
				Top	0.282		0.282		Top	0.080		0.080
				Bottom	0.442		0.442		Bottom	0.124		0.124
				Max	0.677		0.677		Max	0.124		0.124
	Operating Real Product (Power 20% ~ 60% Charging)		S1	0.425	0.425	S1	0.036		0.036			
			S2	0.462	0.462	S2	0.048		0.048			
			S3	0.406	0.406	S3	0.034		0.034			
			S4	0.678	0.678	S4	0.041		0.041			
			Top	0.283	0.283	Top	0.080		0.080			
			Bottom	0.443	0.443	Bottom	0.125		0.125			
			Max	0.678	0.678	Max	0.125		0.125			
	Operating Real Product (Power >75% Charging)		S1	0.427	0.427	S1	0.036		0.036			
			S2	0.464	0.464	S2	0.048		0.048			
			S3	0.408	0.408	S3	0.034		0.034			
			S4	0.680	0.680	S4	0.041		0.041			
			Top	0.285	0.285	Top	0.080		0.080			
			Bottom	0.445	0.445	Bottom	0.125		0.125			
			Max	0.680	0.680	Max	0.125		0.125			

1.778 MHz:

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)				Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)			
			FCC	Location	Peak	Duty Cycle %	FCC Average	FCC	Location	Peak	Duty Cycle %	FCC Average
13	Operating Real Product (Power ~10% Charging)	15 cm surrounding the device (S1 - S4, bottom) and 20 cm above the top surface of the EUT	463.44	S1	0.217	100	0.217	1.23	S1	0.004	100	0.004
				S2	0.274		0.274		S2	0.005		0.005
				S3	0.258		0.258		S3	0.009		0.009
				S4	0.258		0.258		S4	0.005		0.005
				Top	0.243		0.243		Top	0.006		0.006
				Bottom	0.206		0.206		Bottom	0.008		0.008
				Max	0.274		0.274		Max	0.009		0.009
	Operating Real Product (Power 20% ~ 60% Charging)			S1	0.226	100	0.226		S1	0.004	100	0.004
				S2	0.293		0.293		S2	0.004		0.004
				S3	0.266		0.266		S3	0.007		0.007
				S4	0.281		0.281		S4	0.005		0.005
				Top	0.245		0.245		Top	0.007		0.007
				Bottom	0.208		0.208		Bottom	0.009		0.009
				Max	0.293		0.293		Max	0.009		0.009
	Operating Real Product (Power >75% Charging)			S1	0.226	100	0.226		S1	0.004	100	0.004
				S2	0.293		0.293		S2	0.004		0.004
				S3	0.266		0.266		S3	0.006		0.006
				S4	0.281		0.281		S4	0.006		0.006
				Top	0.245		0.245		Top	0.007		0.007
				Bottom	0.208		0.208		Bottom	0.009		0.009
				Max	0.293		0.293		Max	0.009		0.009

10. RF EXPOSURE TEST SETUP AND SETUP PHOTO

Please see description of RF exposure test up and setup photo report 13941435-EP1

END OF TEST REPORT