



FCC PART 15C

TEST REPORT

For

Honoto Technology Co., LTD

9 Orchard Rd, Suite 102, Lake Forest, CA 92630, Lake Forest, California, United States

FCC ID: 2AYI8-PBK-A01

Report Type:		Product Type:
Original Report		Freedom charge Modular Dock
Report Number:	SZNS210825-3	6526E-RF
Report Date:	2021-09-02	
Reviewed By:	Candy Li	Gudy Li
Prepared By:	1/F., Building A	03290 i03396

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

Product	Freedom charge Modular Dock
Tested Model	PBK-A01
Frequency Range	110.5 kHz-205kHz
Maximum Wireless Power	10W
Antenna Specification	Coil
Voltage Range	
Date of Test	2021-08-27 to 2021-08-30
Sample serial number	SZNS210825-36526E-RF-S1(Gray), SZNS210825-36526E-RF-S2(White)
Received date	2021-8-25
Sample/EUT Status	Good Condition

Objective

This report is in accordance with Part 2, Subpart J, and Part 15, Subparts A and C of the Federal Communications Commission's rules.

The objective is to determine the compliance of EUT with FCC rules, section 15.203, 15.205, 15.207 and 15.209.

Related Submittal(s)/Grant(s)

No Related Submittal(s)/Grant(s).

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Iten	l	Expanded Measurement uncertainty	
Conducted Emissions AC Mains		2.72 dB ($k=2$, 95% level of confidence)	
Radiated emission	30MHz-1GHz	4.28 dB (k=2, 95% level of confidence)	
	1GHz-18GHz	4.98 dB (k=2, 95% level of confidence)	

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189.

The test site has been registered with ISED Canada under ISED Canada Registration Number 5077A-2.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a test mode

The device is a Freedom charge Modular Dock operation on frequency 110.5 kHz - 205 kHz.

Test Mode: Wireless Charging

M1: Charging through Micro USB M2 M3: Charging through Type-C Port

M2: Charging through Base

EUT Exercise Software

No software used in test.

Support Equipment List and Details

Manufacturer	Description	Model Serial Number		Specification
SAIERKANG	Adapter	MDY-11-EB CA62010U101960G		Unknown
Unknown	Load 01	Unknown Load 01		10W
Unknown	Load 02	Unknown	Load 02	10W
Unknown	Wireless load	Wireless load 01	Wireless load 01	10W
HUAWEI	Mobile Phone	Mate 30	FEC0220617000901	Unknown

External I/O Cable

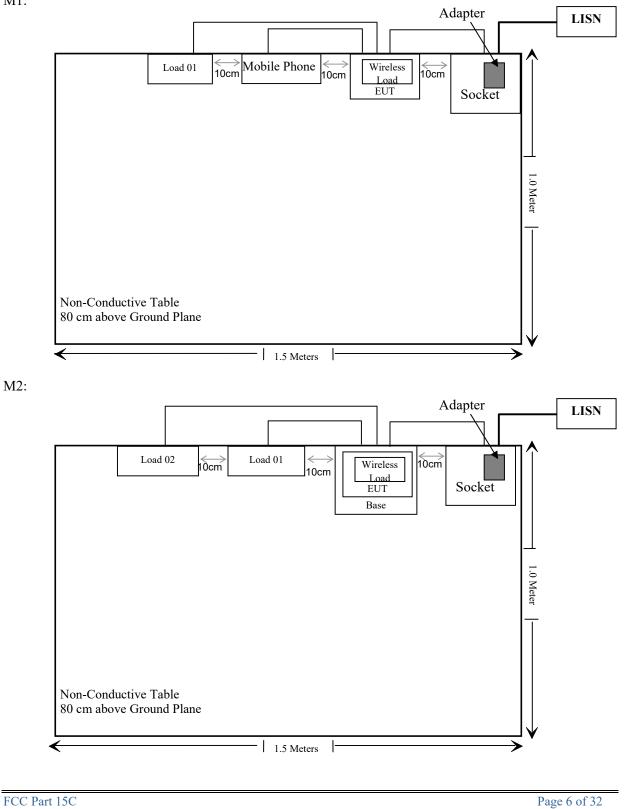
Cable Description	Length (m)	From Port	То
Unshielded Detachable USB Cable	0.94	Adapter	EUT/Base
Unshielded Detachable USB Cable	0.94	EUT	Mobile Phone
Unshielded Detachable USB Cable	0.76	Base	Dummy load 01
Unshielded Detachable USB Cable	0.1	Base	Dummy load 02

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Block Diagram of Test Setup

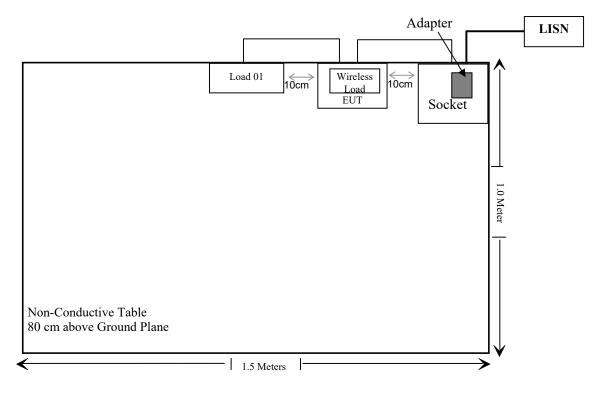
For conducted emission:

M1:



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M3:



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SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC§1.1310 & §2.1091	Maximum Permissible Exposure(MPE)	Compliance
FCC§15.203	Antenna Requirement	Compliance
FCC§15.207	AC Line Conducted Emission	Compliance
§15.209 §15.205	Radiated Emission Test	Compliance

FCC Part 15C

TEST EQUIPMENT LIST

Manufacturer	Description Model		Serial Number	Calibration Date	Calibration Due Date					
	MPE									
Narda	Electric and Magnetic Field Analyzer	EHP-200AC	180ZX10204	2021/06/07	2024/06/06					
Narda	USB-RS232 Converter	Unknown	20042558	/	/					
Narda	Software	EHP200-TS	Unknown	/	/					
		EMI	•							
Rohde & Schwarz	Test Receiver	ESPI3	100396	2020/12/24	2021/12/23					
R & S	L.I.S.N.	ENV216	101314	2020/12/25	2021/12/24					
Anritsu Corp	50Ω Coaxial Switch	MP59B	6200506474	2020/12/25	2021/12/24					
Schwarzbeck	RF Coaxial Cable	N-2m	No.2	2020/01/04	2023/01/03					
Conducted Emission	Test Software: ES-K1 V1.7	1								
Rohde& Schwarz	Test Receiver	ESR	101817	2020/12/24	2021/12/23					
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2020/01/05	2023/01/04					
Schwarzbeck	LOOP Antenna	FMZB1516	1516131	2020/01/05	2023/01/04					
SONOMA INSTRUMENT	Amplifier	310 N	186131	2020/12/25	2021/12/24					
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2020/12/25	2021/12/24					
Schwarzbeck	RF Coaxial Cable	N-5m	No.1	2020/01/04	2023/01/03					
Schwarzbeck	RF Coaxial Cable	N-1m	No.6	2020/01/04	2023/01/03					
SUHNER	RF Coaxial Cable	N-6m	No.10	2020/01/04	2023/01/03					
SUHNER	RF Coaxial Cable	N-0.5m	No.15	2020/01/04	2023/01/03					
Radiated Emission Te	est Software: EZ_EMC V 1.	.1.4.2	•							

* **Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1310, §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

(B) Limits for General Population/Uncontrolled Exposure						
Frequency Range (MHz)Electric Field Strength (V/m)Magnetic Field Strength (A/m)Power Density (mW/cm²)Averagin (minu						
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		

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

f = frequency in MHz; * = Plane-wave equivalent power density;

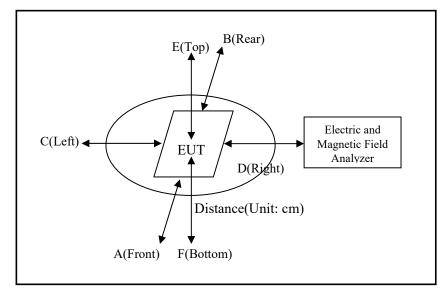
According with KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01 clause 3 c)

c) For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

According to KDB 680106 D01 RF Exposure Wireless Charging App v03r01 clause 5 b)

- (1) Power transfer frequency is less than 1 MHz
- (2) Output power from each primary coil is less than or equal to 15 watts.
- (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.
- (4) Client device is placed directly in contact with the transmitter.
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
- (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.

Block Diagram of Test Setup



Note:

For mobile condition distance: A/B/C/D is 15cm; E is 20cm;

Test Data

Environmental Conditions

Temperature:	25°C
Relative Humidity:	65 %
ATM Pressure:	101.0 kPa

The testing was performed by Ting Lǔ on 2020-08-30

Test mode: Wireless Charging

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M1:

H-Field Strength

Frequency	Position	Position	Position	Position	Position	50%	Limit
Range	A	B	C	D	E	Limit	Test
(kHz)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)
110.5-205	0.186	0.205	0.220	0.248	0.273	0.815	1.63

E-Field Strength

Frequency	Position	Position	Position	Position	Position	50%	Limit
Range	A	B	C	D	E	Limit	Test
(kHz)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)
110.5-205	0.332	0.410	0.416	0.447	0.489	307	614

Note:

For mobile condition distance: A/B/C/D is 15cm; E is 20cm;

M2:

H-Field Strength

Frequency	Position	Position	Position	Position	Position	50%	Limit
Range	A	B	C	D	E	Limit	Test
(kHz)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)
110.5-205	0.198	0.210	0.204	0.208	0.223	0.815	1.63

E-Field Strength

Frequency	Position	Position	Position	Position	Position	50%	Limit
Range	A	B	C	D	E	Limit	Test
(kHz)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)
110.5-205	0.379	0.420	0.431	0.442	0.456	307	614

Note:

For mobile condition distance: A/B/C/D is 15cm; E is 20cm;

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M3:

H-Field Strength

Frequency	Position	Position	Position	Position	Position	50%	Limit
Range	A	B	C	D	E	Limit	Test
(kHz)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)
110.5-205	0.171	0.225	0.264	0.280	0.293	0.815	1.63

E-Field Strength

Frequency	Position	Position	Position	Position	Position	50%	Limit
Range	A	B	C	D	E	Limit	Test
(kHz)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)
110.5-205	0.342	0.390	0.402	0.438	0.449	307	614

Note:

For mobile condition distance: A/B/C/D is 15cm; E is 20cm;

Result: Compliance

Considerations of compliance 680106 D01 RF Exposure Wireless Charging App v03r01 clause 5 b:

(1) Power transfer frequency is less than 1 MHz.

Yes, the operation frequency is 110.5-205 kHz.

(2) Output power from each primary coil is less than or equal to 15 watts.

Yes, the maximum output power of primary coil is 10 Watts, less than 15 watts.

(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.

The transfer system includes only single primary coil, and system detect and allow coupling only between individual pairs of coils.

(4) Client device is placed directly in contact with the transmitter.

Yes, 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, mobile exposure conditions only.

(6) 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.

Yes, the test result for H and E-field strength less than 50% of the MPE limit.

FCC§15.203 – ANTENNA REQUIREMENT

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Antenna Connected Construction

The EUT has one internal coil arrangement, which were permanently attached, fulfill the requirement of this section. Please refer to the EUT photos.

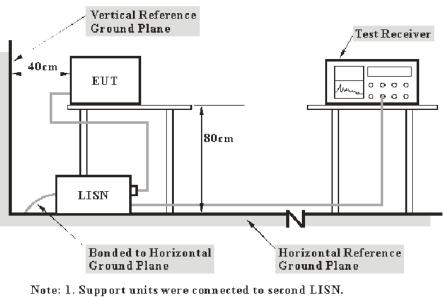
Result: Compliance.

FCC §15.207 – AC LINE CONDUCTED EMISSION

Applicable Standard

FCC§15.207

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W		
150 kHz – 30 MHz	9 kHz		

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Corrected Factor & Margin Calculation

The basic equation is as follows:

Level (QuasiPeak or Average) = Reading Level + Transd Factor

Note: Transd Factor = Cable loss + Factor of coupling device

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Level

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data

Environmental Conditions

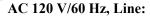
Temperature:	25°C
Relative Humidity:	65 %
ATM Pressure:	101.0 kPa

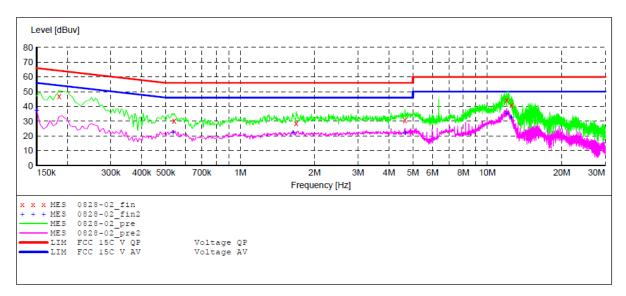
The testing was performed by Ting Lŭ on 2021-08-27 and 2021-08-28.

Test mode: Wireless Charging

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M1:





MEASUREMENT RESULT: "0828-02 fin"

2021-8-27 04:54 Frequency Level Transd Limit Margin Detector Line PE dB dBuv MHz dBuv dB 17.0 QP 0.185000 47.00 10.8 64 GND L130.1011.05628.6011.256 0.540000 25.9 QP L1GND 27.4 QP 1.685000 L1GND
 30.60
 11.4
 56

 44.20
 11.6
 60

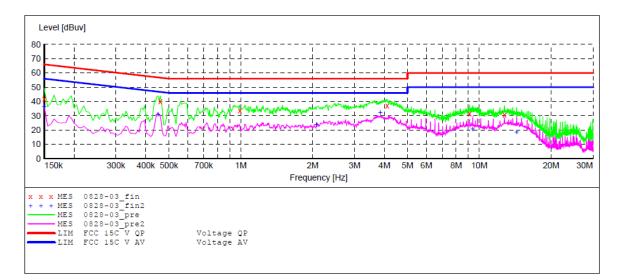
 40.90
 11.6
 60
 25.4 QP 15.8 QP 4.650000 L1GND 12.000000 L1GND 12.550000 19.1 Q̃P L1GND

MEASUREMENT RESULT: "0828-02 fin2"

2021-8-27 04: Frequency MHz		Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000 0.535000 1.635000 4.650000 12.000000 12.475000	37.40 22.60 22.80 22.00 35.40 32.90	10.8 11.0 11.2 11.4 11.6 11.6	56 46 46 50 50	23.2 24.0	AV	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND

Report No.: SZNS210825-36526E-RF

AC 120V/ 60 Hz, Neutral:



MEASUREMENT RESULT: "0828-03 fin"

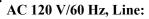
2021-8-28	04:23						
Frequency MH	-	Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
	2 abav	CLD	abav	сць			
0.15000	0 42.00	10.8	66	24.0	QP	Ν	GND
0.46000	0 40.20	11.0	57	16.8	QP	Ν	GND
0.99000	0 33.70	11.1	56	22.3	QP	N	GND
4.11000	0 37.30	11.4	56	18.7	QP	N	GND
9.11000	0 31.50	11.6	60	28.5	QP	N	GND
12.75000	0 30.50	11.6	60	29.5	QP	Ν	GND

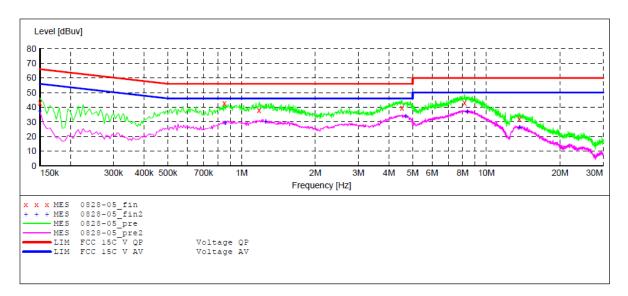
MEASUREMENT RESULT: "0828-03 fin2"

2021-8-28 04: Frequency MHz		Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000 0.450000 2.080000 3.850000 9.390000 14.350000	36.80 31.10 24.00 32.60 21.10 18.60	10.8 11.0 11.3 11.4 11.6 11.6	56 47 46 50 50	19.2 15.9 22.0 13.4 28.9 31.4	AV AV AV AV AV AV	N N N N N	GND GND GND GND GND GND

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M2:





MEASUREMENT RESULT: "0828-05_fin"

2021-8-28 04:27

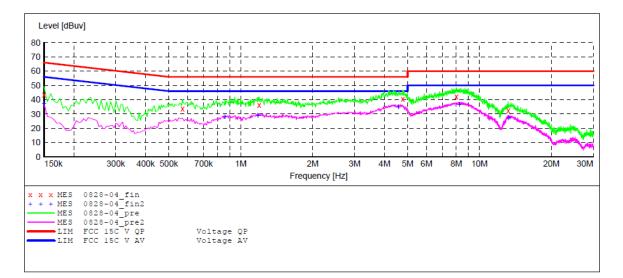
Frequency MHz	Level dBuv	Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000 0.850000 1.180000 4.520000 8.140000 13.675000	43.30 42.60 38.00 39.60 43.10 32.10	10.8 11.1 11.2 11.4 11.5 11.6	66 56 56 60 60		QP QP	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND

MEASUREMENT RESULT: "0828-05 fin2"

2021-8-28 04: Frequency MHz		Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000	37.40	10.8	56	18.6	AV	L1	GND
0.855000	29.50	11.1	46	16.5		L1	GND
1.255000	30.30	11.2	46	15.7	AV	L1	GND
4.690000	34.00	11.4	46	12.0	AV	L1	GND
8.370000	37.30	11.5	50	12.7	AV	L1	GND
13.675000	26.50	11.6	50	23.5	AV	L1	GND

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AC 120V/ 60 Hz, Neutral:



MEASUREMENT RESULT: "0828-04 fin"

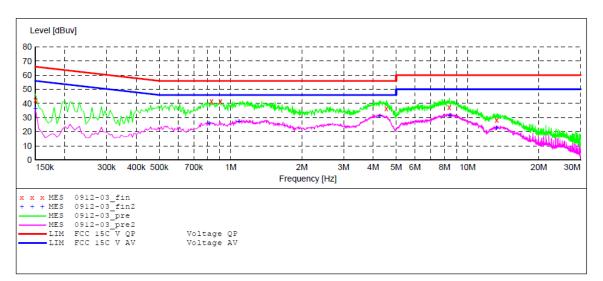
2021-8-28 04:	25						
Frequency MHz	Level dBuv	Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
MILZ	авиv	uв	авиv	uь			
0.150000	43.40	10.8	66	22.6	QP	Ν	GND
0.570000	33.90	11.0	56	22.1	QP	Ν	GND
1.195000	36.20	11.2	56	19.8	QP	Ν	GND
4.770000	40.40	11.4	56	15.6	QP	Ν	GND
8.010000	42.20	11.5	60	17.8	QP	Ν	GND
13.200000	32.50	11.6	60	27.5	QP	Ν	GND

MEASUREMENT RESULT: "0828-04_fin2"

2021-8-28 04: Frequency MHz		Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000 0.860000 1.180000 4.580000 8.250000 13.250000	37.70 28.30 29.20 35.00 36.80 27.30	10.8 11.1 11.2 11.4 11.5 11.6	56 46 46 50 50	17.7 16.8 11.0	AV AV AV AV AV AV	N N N N N	GND GND GND GND GND GND

M3:

AC 120 V/60 Hz, Line:



MEASUREMENT RESULT: "0912-03 fin"

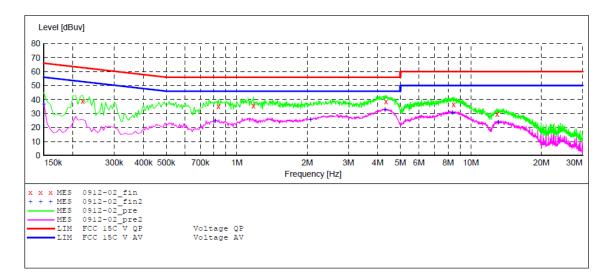
2021-8-28 02:52 Level Transd Limit Margin Detector Line Frequency PE MHz dBuv dB dBuv dB 0.150000 42.60 10.8 23.4 QP 66 GND L10.830000 41.70 11.1 56 14.3 QP L1GND QP 0.905000 41.60 11.1 56 14.4 GND L14.540000 19.7 36.30 11.4 56 QP GND L18.380000 37.40 11.5 60 22.6 QP L1GND 13.300000 28.50 11.6 60 31.5 QP L1GND

MEASUREMENT RESULT: "0912-03 fin2"

2021-8-28 02:5 Frequency MHz	_	Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000 0.810000 1.085000 4.270000 8.420000 13.225000	36.60 26.40 27.40 31.50 31.90 22.70	10.8 11.1 11.1 11.4 11.5 11.6	56 46 46 50 50	19.6 18.6	AV AV AV AV AV AV	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND

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AC 120V/ 60 Hz, Neutral:



MEASUREMENT RESULT: "0912-02 fin"

2021-8-28 02: Frequency MHz		Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.220000 0.835000 1.180000 4.340000 8.430000 12.950000	38.90 35.30 35.40 38.40 36.70 29.50	10.8 11.1 11.2 11.4 11.5 11.6	63 56 56 60 60	23.1 20.7 20.6 17.6 23.3 30.5	QP QP QP QP QP QP QP	N N N N N	GND GND GND GND GND GND

MEASUREMENT RESULT: "0912-02 fin2"

2021-8-28 02: Frequency MHz	49 Level dBuv	Transd dB	Limit dBuv	Margin dB	Detector	Line	PE
0.150000 0.810000 2.070000 4.300000 8.350000 13.075000	36.80 24.80 25.80 32.90 30.90 23.90	10.8 11.1 11.3 11.4 11.5 11.6	56 46 46 50 50	19.2 21.2 20.2 13.1 19.1 26.1		N N N N N	GND GND GND GND GND GND

FCC §15.205 & §15.209 - RADIATED EMISSIONS TEST

Applicable Standard

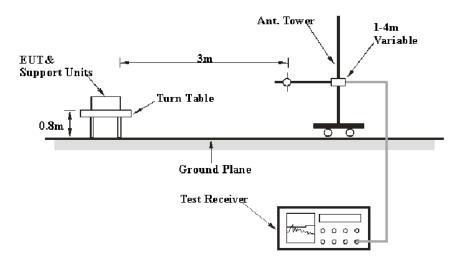
As per FCC Part 15.209

(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

EUT Setup



The radiated emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part Subpart C limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The system was investigated from 9 kHz to 1 GHz.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Measurement
9 kHz – 150 kHz	200 Hz	1 kHz	QP/Average
150 kHz – 30 MHz	9 kHz	30 kHz	QP/Average
30 MHz – 1000 MHz	120 kHz	300 kHz	QP

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

If the maximized peak measured value complies with the limit, then it is unnecessary to perform an QP/Average measurement

Corrected Amplitude & Margin Calculation

For 9kHz-30MHz:

The basic equation is as follows:

Level (QuasiPeak or Average) = Reading Level + Transd Factor

Note:

Transd Factor = Cable loss + Factor of coupling device

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Level

For above 30MHz: The basic equation is as follows:

Result = Meter Reading+ Factor

Note: Factor = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Result - Limit

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209&15.205.

Test Data

Environmental Conditions

Temperature:	21 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

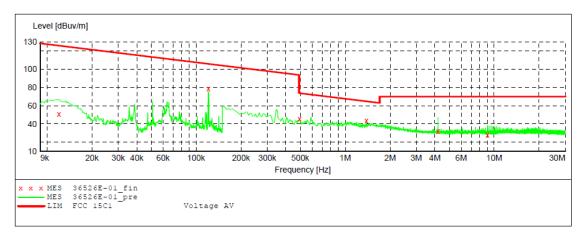
The testing was performed by Ting Lǔ on 2021-08-30 for Below 30MHz and 2021-08-28 for 30MHz-1GHz.

Test mode: Wireless Charging

Result: Compliance

M1: 9 kHz~30MHz:

Worst case (Full load, Z Axis) was recorded in the report.



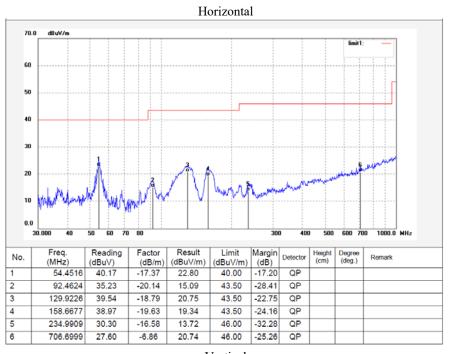
MEASUREMENT RESULT: "36526E-01_fin"

2021-8-30 11:	:30						
Frequency MHz	Level dBuv/m	Limit dBuv/m	Margin dB		Height cm	Azimuth deg	Polarization
0.012000 0.120800 0.495000 1.385000 4.195000 9.020000	50.80 78.50 45.50 43.40 31.70 28.10	 126.0 106.0 73.7 64.8 69.5 69.5		ΏΡ QP	105.0 105.0 105.0 105.0 105.0 105.0		-

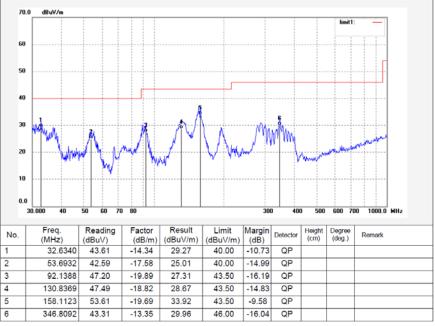
Part 15 Section 15.31(f)(2) (9kHz-30MHz) Limit at 3m=Limit at 300m-40*log(3(m)/300(m)) Limit at 3m=Limit at 30m-40*log(3(m)/30(m))

Report No.: SZNS210825-36526E-RF

$30 \text{ MHz} \sim 1 \text{GHz}$

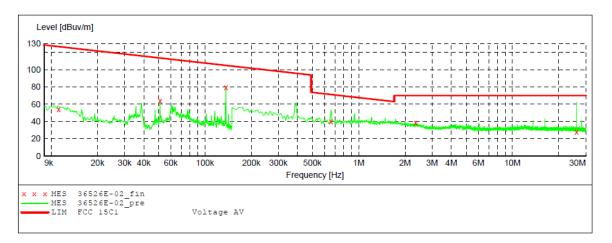


Vertical



M2: 9 kHz~30MHz:

Worst case (Full load, Z Axis) was recorded in the report.



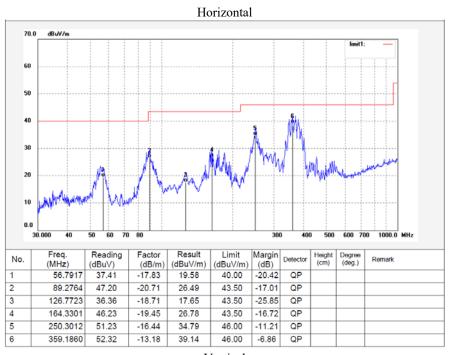
MEASUREMENT RESULT: "36526E-02_fin"

2021-8-30 11:	:25							
Frequency MHz	Level dBuv/m			Margin dB	Det.	Height cm	Azimuth deg	Polarization
0.012000 0.051000 0.136800 0.660000 2.340000 26.120000	54.10 64.20 79.70 40.20 38.30 28.20	20.1 20.1 20.3 20.4 21.7	104.9 71.8 69.5		ÕР	105.0 105.0 105.0 105.0 105.0 105.0	0.00 0.00 0.00 0.00 0.00 0.00	Z Z Z Z Z

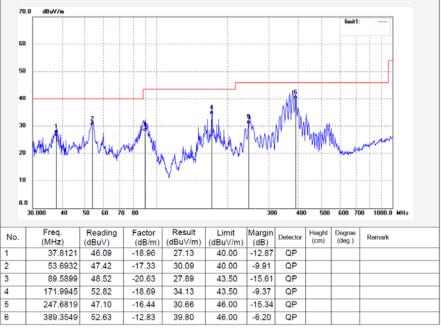
Part 15 Section 15.31(f)(2) (9kHz-30MHz) Limit at 3m=Limit at 300m-40*log(3(m)/300(m)) Limit at 3m=Limit at 30m-40*log(3(m)/30(m))

Report No.: SZNS210825-36526E-RF

$30 \text{ MHz} \sim 1 \text{GHz}$



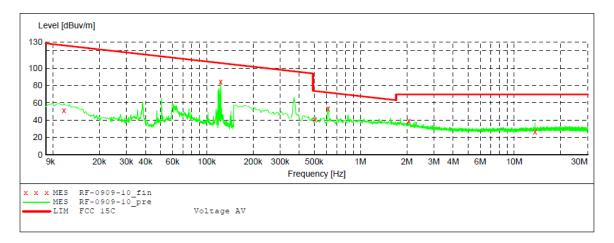
Vertical



M3:

9 kHz~30MHz:

Worst case (Full load, Z Axis) was recorded in the report.



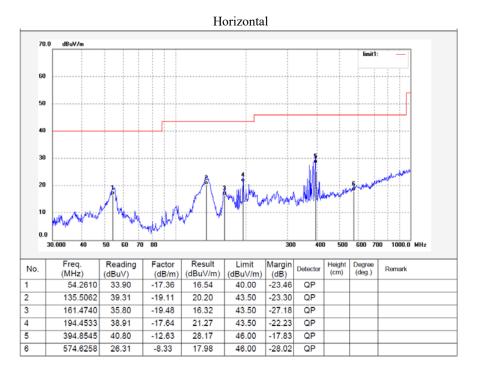
MEASUREMENT RESULT: "RF-0909-10_fin"

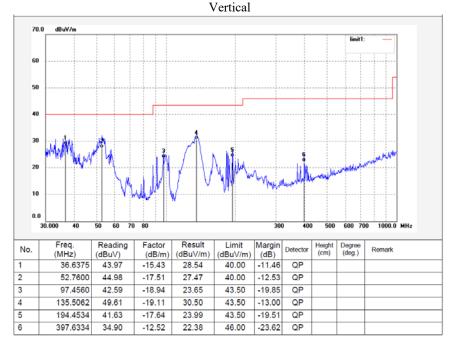
2021-8-30 10:	:07							
Frequency MHz	Level dBuv/m	Transd dB	Limit dBuv/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
0.012000 0.123200 0.505000 0.615000 2.060000 13.640000	51.60 84.70 40.70 53.30 39.30 26.40	20.3	126.0 105.8 73.5 71.8 69.5 69.5	74.6 21.1 32.8 18.5 30.2 43.1	QP QP QP	105.0 105.0 105.0 105.0 105.0 105.0	0.00 0.00 0.00	Z Z Z

Part 15 Section 15.31(f)(2) (9kHz-30MHz) Limit at 3m=Limit at 300m-40*log(3(m)/300(m)) Limit at 3m=Limit at 30m-40*log(3(m)/30(m))

Report No.: SZNS210825-36526E-RF

$30~MHz \sim 1GHz$





***** END OF REPORT *****