TESTING LABORATORY
CERTIFICATE#4323.01

FCC PART 15C

TEST REPORT

For

ZHEJIANG JIECANG LINEAR MOTION TECHNOLOGY CO., LTD

No.19 XinTao Road, Provincial High Tech Park, XinChang county, ZheJiang Province,312500 China

FCC ID: 2ANKDJCP35W3

Report Type:	**Product Type:**
Original Report	JCP35W3

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	ZHEJIANG JIECANG LINEAR MOTION TECHNOLOGY CO., LTD
Tested Model	JCP35W3
Product Type	JCP35W3
Power Supply	DC 5V and DC 9V
RF Function	WPT
Modulation Type	ASK
Operating Band/Frequency	110-130 kHz
Antenna Type	Loop antenna
*Antenna Gain	0.0 dBi

Note: The antenna gain was provided by the applicant.

**All measurement and test data in this report was gathered from production sample serial number: RSHA210324001-1 (Assigned by BACL, Kunshan). The EUT was received on 2021-03-24.*

Objective

This report is prepared on behalf of *ZHEJIANG JIECANG LINEAR MOTION TECHNOLOGY CO., LTD* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207 and 15.209 rules.

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 Bay Area Compliance Laboratories Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19dB
Radiated emission	9kHz~30MHz	3.19dB
	30MHz~1GHz	6.11dB
Temperature		1.0℃
Humidity		6%

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) Lab is accredited to ISO/IEC 17025 by A2LA (Lab code: 4323.01) and the FCC designation No. CN1185 under the FCC KDB 974614 D01 and CAB identifier CN0004 under the ISED requirement. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user)

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

No Exercise Software was used.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Apple	Mobile phone	ML7J2CH/A	F4HR2B0TGRYD
ZHAOXIN	DC Power Supply	RXN-605D	DC002

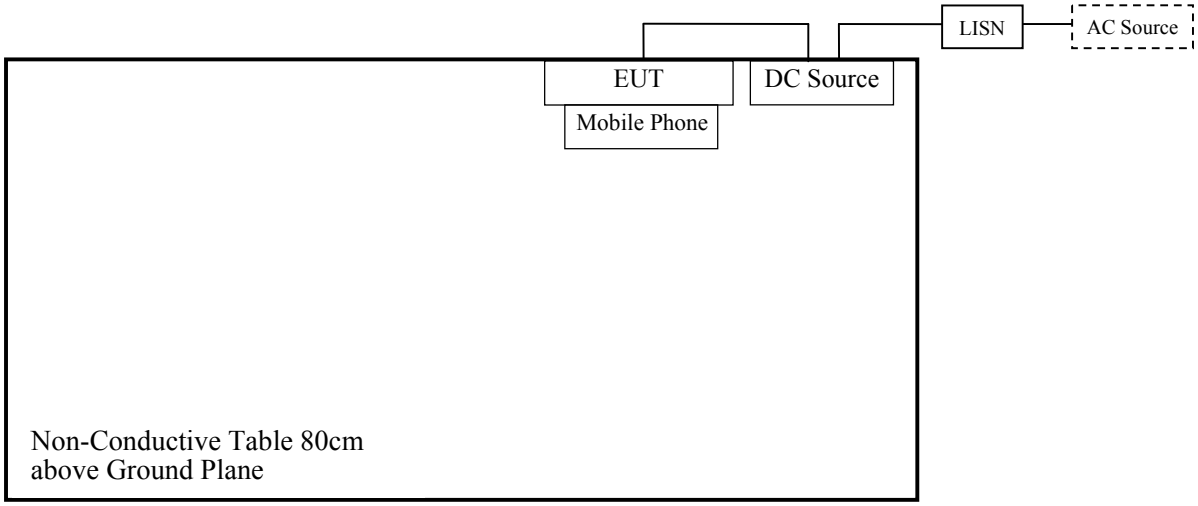
External I/O Cable

Cable Description	Length (m)	From Port	To
Power Cable	1.0	EUT	DC Source
Power Cable	1.0	DC Source	LISN/AC Source

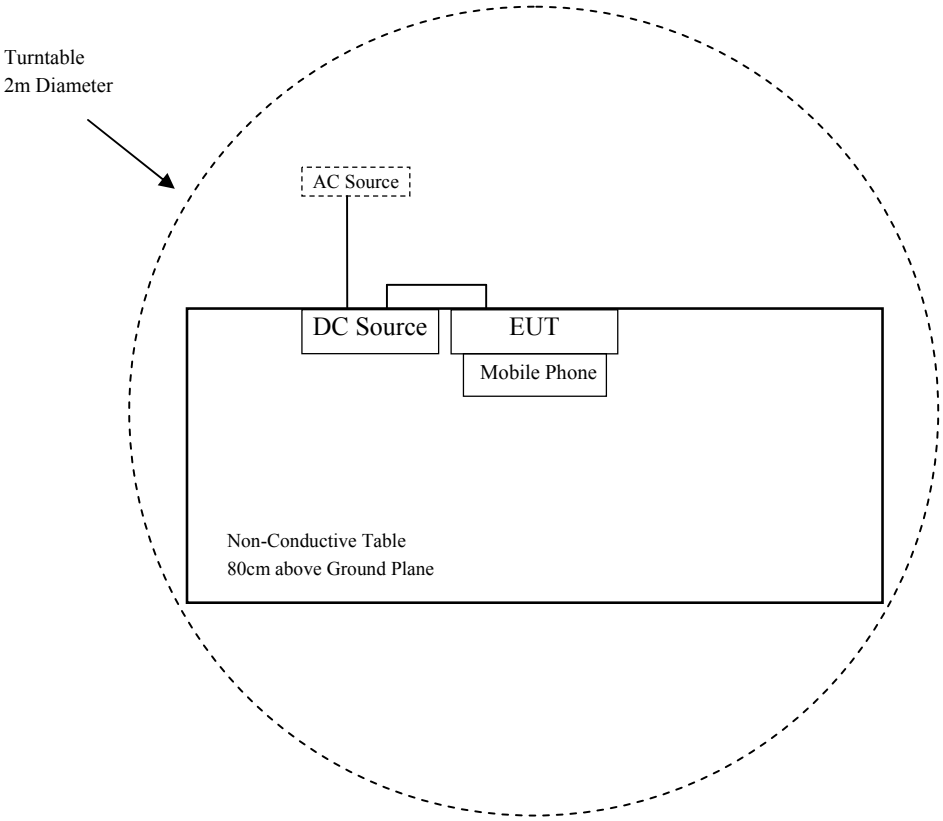
Block Diagram of Test Setup

Power by DC 5V:

For Conducted Emissions:

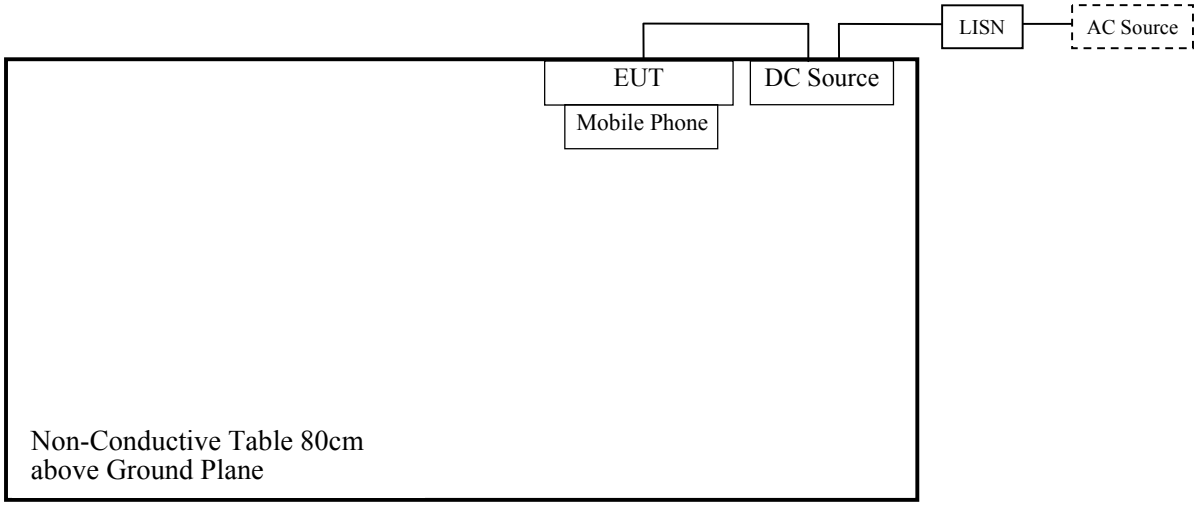


For Radiated Emissions (Below & Above 30MHz):

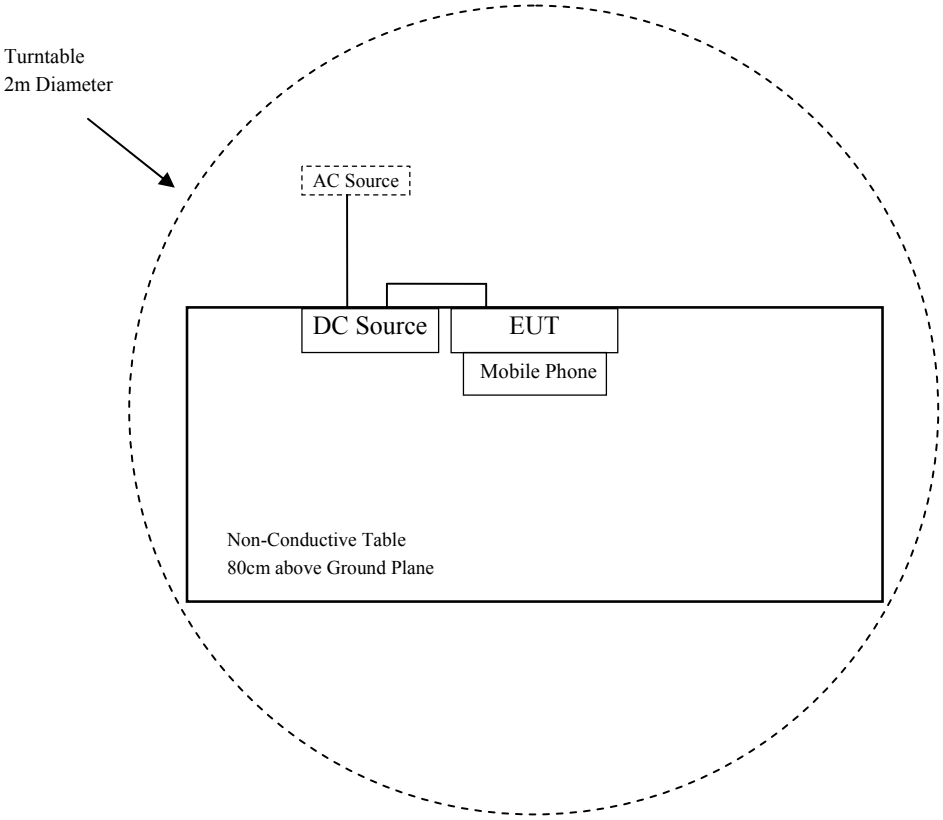


Power by DC 9V:

For Conducted Emissions:



For Radiated Emissions (Below & Above 30MHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1307 & §1.1310&§2.1091	Maximum Permissible Exposure (MPE)	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209	Spurious Emissions	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test（Chamber 1#）					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2020-11-27	2021-11-26
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2020-08-05	2023-08-04
Sonoma Instrunent	Pre-amplifier	310N	171205	2020-08-14	2021-08-13
ETS-LINDGREN	Loop Antenna	6512	00108100	2019-04-25	2022-04-24
Rohde & Schwarz	Auto Test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-8	008	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-9	009	2020-08-15	2021-08-14
MICRO-COAX	Coaxial Cable	Cable-10	010	2020-08-15	2021-08-14
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	1316.3003K03-101746-zn	2020-07-28	2021-07-27
Rohde & Schwarz	LISN	ENV216	101115	2020-11-27	2021-11-26
Audix	Test Software	e3	V9	/	/
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2020-08-10	2021-08-09
MICRO-COAX	Coaxial Cable	Cable-15	015	2020-08-15	2021-08-14
RF Exposure					
Narda	E-Field Tester	NARD-EA5091	/	2019-11-19	2021-11-18
Narda	B Field Meter	NBM-550	B-1130	2019-11-19	2021-11-18
ETS-LINDGREN	Isotropic Electric Field Probe	HI-6005	00200234	2018-05-22	2021-05-21

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307& §1.1310& §2.1091 – MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

FCC §1.1307 & 1.1310 & §2.1091

According to the item 5(b) of KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01: Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF evaluation.

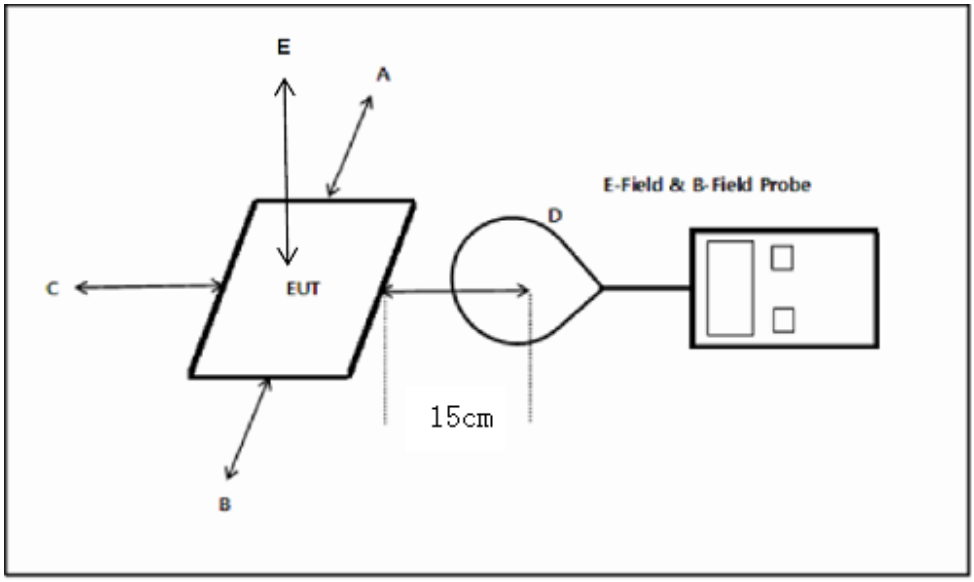
a) Power transfer frequency is less that 1 MHz.
b) Output power from each primary coil is less than or equal to 15 watts.
c) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.
d) Client device is placed directly in contact with the transmitter.
e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
f) 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.

Limits for Maximum Permissible Exposure (MPE)

(B) Limits for General Population/Uncontrolled Exposure				
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 Exposure				
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
300-1,500	/	/	f/300	6
1,500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	$*(180/f^2)$	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

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

EUT Setup



Result

a) Power transfer frequency is less that 1 MHz.
Yes, the device operates in the frequency 110 kHz-130 kHz.

b) Output power from each primary coil is less than or equal to 15 watts.
Yes, the maximum output power of the primary coil is 10W<15W.

c) 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 transfer system including a charging system with only single primary coils is to detect and allow only between individual of coils.

d) Client device is inserted in or placed directly in contact with the transmitter.
Yes, client device is placed directly in contact with the transmitter.

e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
Yes, this is a mobile device.

f) 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.

The EUT H-field Strength levels at 15 cm surrounding the device and 20 cm above the top surface are less than 50% the MPE limit.

Test Data

Environmental Conditions

Temperature:	24.7 ℃
Relative Humidity:	51 %
ATM Pressure:	101.2 kPa

The testing was performed by Stone Zhang on 2021-03-30.

Power by DC 5V:

H-Field Strength

Frequency Range (kHz)	Position A (A/m)	Position B (A/m)	Position C (A/m)	Position D (A/m)	Position E (A/m)	50% Limit (A/m)	Limit (A/m)
110-130	0.087	0.049	0.068	0.064	0.234	0.815	1.63

E- Field Strength

Frequency Range (kHz)	Position A (V/m)	Position B (V/m)	Position C (V/m)	Position D (V/m)	Position E (V/m)	50% Limit (V/m)	Limit (V/m)
110-130	1.910	1.101	1.562	1.432	2.136	307	614

Power by DC 9V:

H-Field Strength

Frequency Range (kHz)	Position A (A/m)	Position B (A/m)	Position C (A/m)	Position D (A/m)	Position E (A/m)	50% Limit (A/m)	Limit (A/m)
110-130	0.086	0.052	0.073	0.063	0.237	0.815	1.63

E- Field Strength

Frequency Range (kHz)	Position A (V/m)	Position B (V/m)	Position C (V/m)	Position D (V/m)	Position E (V/m)	50% Limit (V/m)	Limit (V/m)
110-130	1.912	1.103	1.565	1.433	2.140	307	614

Note:

1: According with KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01, 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.

2: The distance for position A, B, C, D are 15cm, the distance for position E is 20cm.

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 Connector Construction

The EUT has a Loop antenna and the antenna gain is 0.0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

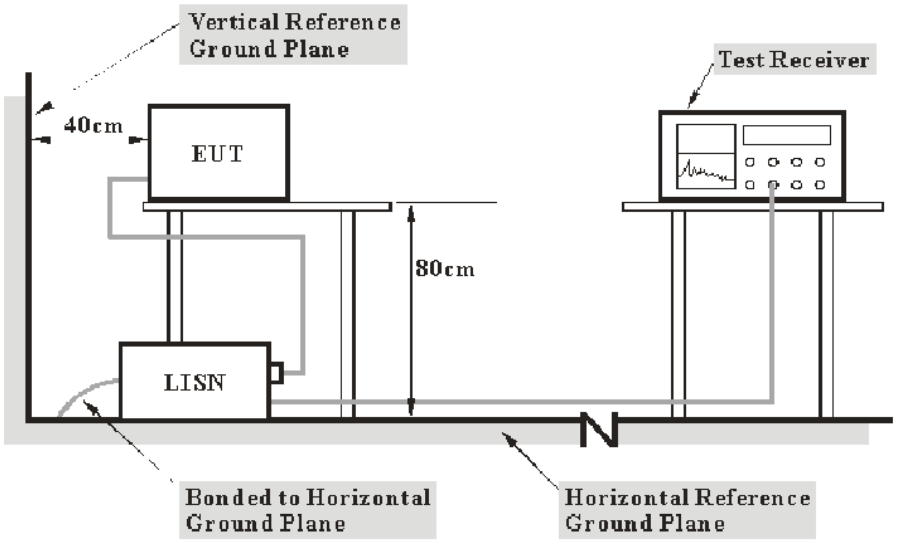
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

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.

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 DC source was connected to the outlet of the LISN.

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

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

Factor & Over Limit Calculation

The Corrected Factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of 7dB means the emission is 7 dB above the limit. The equation for over limit calculation is as follows:

Over Limit (dB) = Read level (dBμV) + Factor (dB) - Limit (dBμV)

Test Results Summary

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

Test Data

Environmental Conditions

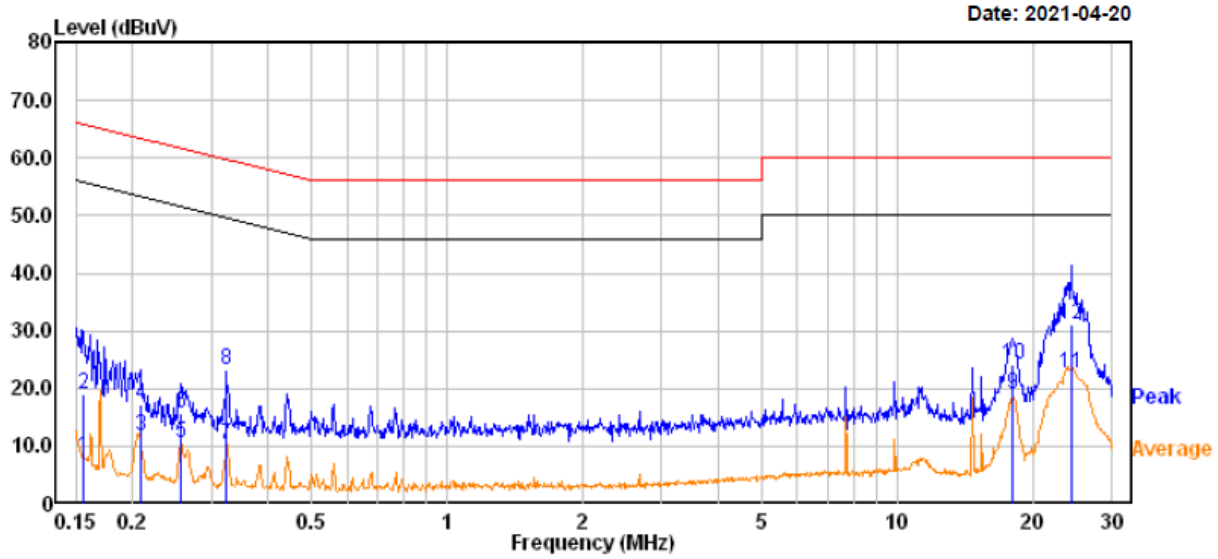
Temperature:	24.9 ℃
Relative Humidity:	51 %
ATM Pressure:	101.2 kPa

The testing was performed by Stone Zhang on 2021-04-20.

EUT operation mode: charging and communication

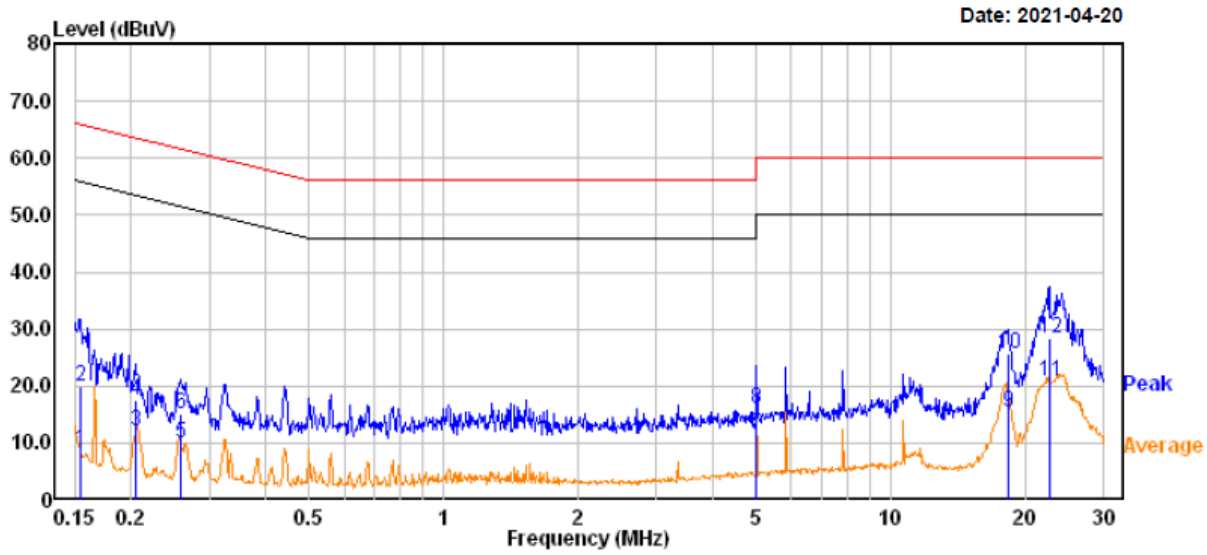
Power by DC 5V:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	-11.60	19.82	8.22	55.71	-47.49	Average
2	0.155	-0.80	19.82	19.02	65.71	-46.69	QP
3	0.208	-8.00	19.82	11.82	53.27	-41.45	Average
4	0.208	-2.60	19.82	17.22	63.27	-46.05	QP
5	0.257	-9.20	19.82	10.62	51.53	-40.91	Average
6	0.257	-4.10	19.82	15.72	61.53	-45.81	QP
7	0.323	-9.70	19.82	10.12	49.62	-39.50	Average
8	0.323	3.40	19.82	23.22	59.62	-36.40	QP
9	18.044	-0.80	19.84	19.04	50.00	-30.96	Average
10	18.044	4.40	19.84	24.24	60.00	-35.76	QP
11	24.334	2.89	19.73	22.62	50.00	-27.38	Average
12	24.334	11.29	19.73	31.02	60.00	-28.98	QP

AC 120V/60 Hz, Neutral



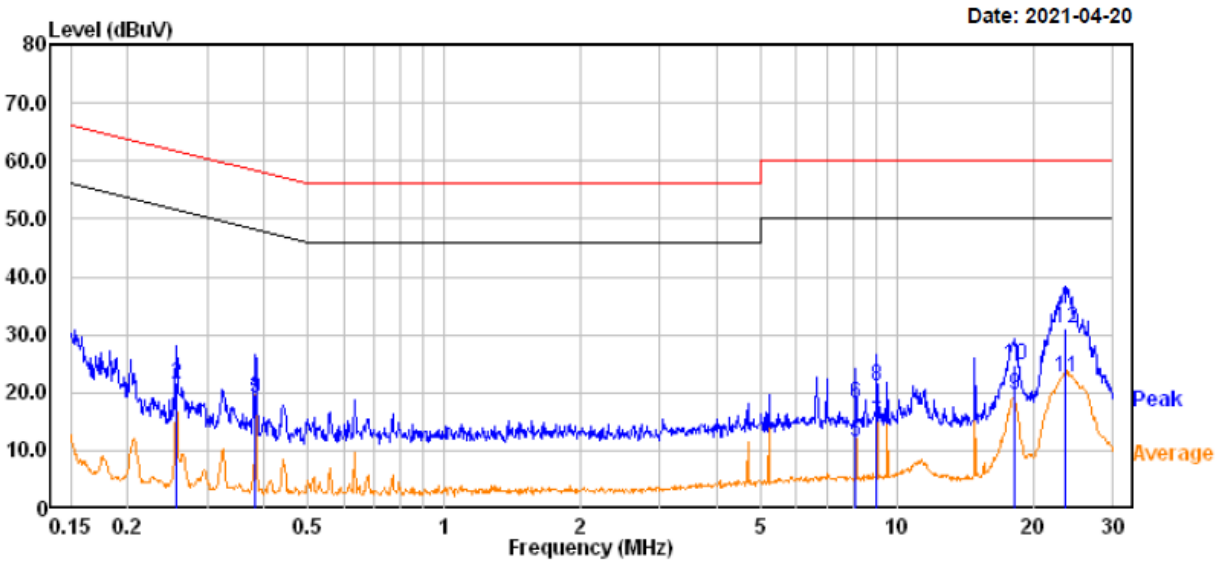
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	-11.20	19.82	8.62	55.75	-47.13	Average
2	0.155	0.00	19.82	19.82	65.75	-45.93	QP
3	0.204	-7.60	19.82	12.22	53.43	-41.21	Average
4	0.204	-2.30	19.82	17.52	63.43	-45.91	QP
5	0.260	-10.00	19.82	9.82	51.45	-41.63	Average
6	0.260	-4.80	19.82	15.02	61.45	-46.43	QP
7	5.012	-7.87	19.49	11.62	50.00	-38.38	Average
8	5.012	-3.50	19.49	15.99	60.00	-44.01	QP
9	18.316	-4.39	19.85	15.46	50.00	-34.54	Average
10	18.316	5.81	19.85	25.66	60.00	-34.34	QP
11	22.693	0.91	19.80	20.71	50.00	-29.29	Average
12	22.693	8.71	19.80	28.51	60.00	-31.49	QP

Note:

1) Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
2) Over Limit (dB) = Read level (dBµV) + Factor (dB) - Limit (dBµV)

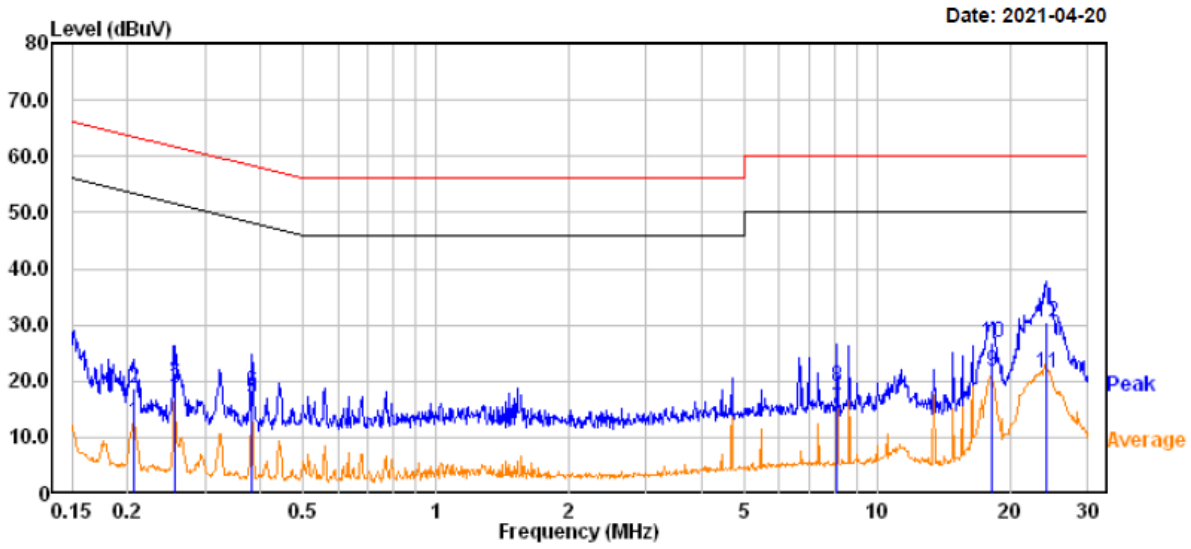
Power by DC 9V:

AC 120V/60 Hz, Line



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.256	1.90	19.82	21.72	51.57	-29.85	Average
2	0.256	1.70	19.82	21.52	61.57	-40.05	QP
3	0.383	-0.60	19.76	19.16	48.22	-29.06	Average
4	0.383	0.00	19.76	19.76	58.22	-38.46	QP
5	8.128	-8.00	19.53	11.53	50.00	-38.47	Average
6	8.128	-1.50	19.53	18.03	60.00	-41.97	QP
7	9.025	-4.61	19.55	14.94	50.00	-35.06	Average
8	9.025	1.49	19.55	21.04	60.00	-38.96	QP
9	18.225	-0.10	19.85	19.75	50.00	-30.25	Average
10	18.225	5.00	19.85	24.85	60.00	-35.15	QP
11	23.499	3.00	19.77	22.77	50.00	-27.23	Average
12	23.499	11.30	19.77	31.07	60.00	-28.93	QP

AC 120V/60 Hz, Neutral



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.206	-7.00	19.82	12.82	53.35	-40.53	Average
2	0.206	-1.00	19.82	18.82	63.35	-44.53	QP
3	0.256	-1.20	19.82	18.62	51.57	-32.95	Average
4	0.256	1.30	19.82	21.12	61.57	-40.45	QP
5	0.383	-3.00	19.76	16.76	48.22	-31.46	Average
6	0.383	-1.70	19.76	18.06	58.22	-40.16	QP
7	8.128	-4.40	19.53	15.13	50.00	-34.87	Average
8	8.128	-0.60	19.53	18.93	60.00	-41.07	QP
9	18.225	1.80	19.85	21.65	50.00	-28.35	Average
10	18.225	6.90	19.85	26.75	60.00	-33.25	QP
11	24.213	1.80	19.73	21.53	50.00	-28.47	Average
12	24.213	10.70	19.73	30.43	60.00	-29.57	QP

Note:

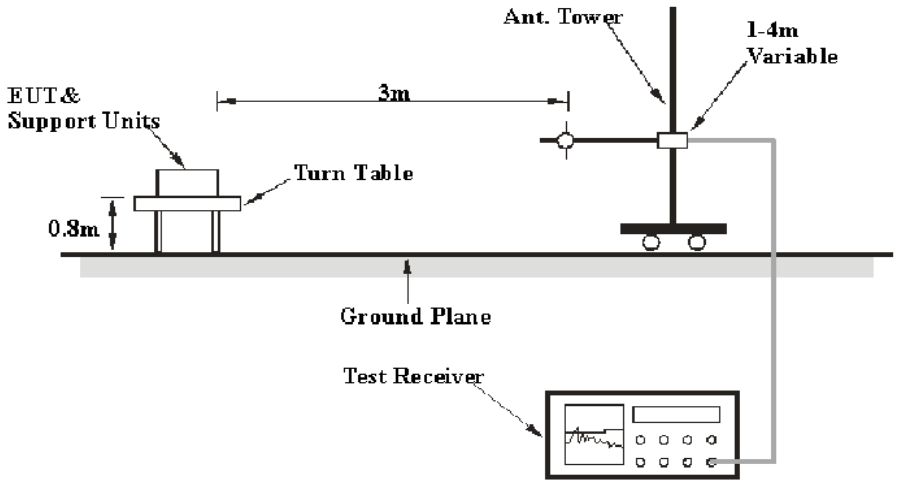
1) Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
2) Over Limit (dB) = Read level (dBµV) + Factor (dB) - Limit (dBµV)

FCC §15.209 & §15.205 – SPURIOUS EMISSIONS

Applicable Standard

FCC §15.209; §15.205;

EUT Setup



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.205 limits.

EMI Test Receiver Setup

The system was investigated from 9 kHz to1GHz.

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

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

Note: For the frequency bands 9-90 kHz and 110-490 kHz, the test was based on average detector.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The EUT is set 3 meter away from the testing antenna, which is varied from 1-4 meter, and the EUT is placed on a turntable, which is 0.8 meter above ground plane, the table shall be rotated for 360 degrees to find out the highest emission. The receiving antenna should be changed the polarization both of horizontal and vertical.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dBμV /m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

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 (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV /m)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205 and 15.209.

Test Data

Environmental Conditions

Temperature:	24.7~25.3 ℃
Relative Humidity:	50~51 %
ATM Pressure:	101.2~102.7 kPa

The testing was performed by Stone Zhang from 2021-03-30 to 2021-04-16.

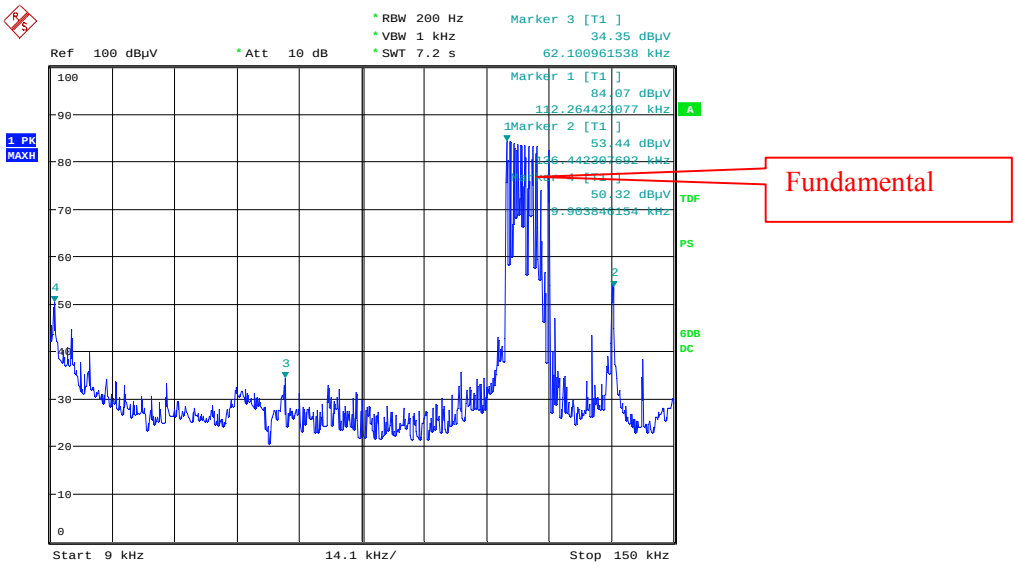
EUT operation mode: charging and communication

Power by DC 5V:

9kHz-30MHz:

*(Pre-scan in the X, Y and Z axes of orientation, the worst case **in X-axis of orientation** was recorded)*

9kHz-150kHz (PK)



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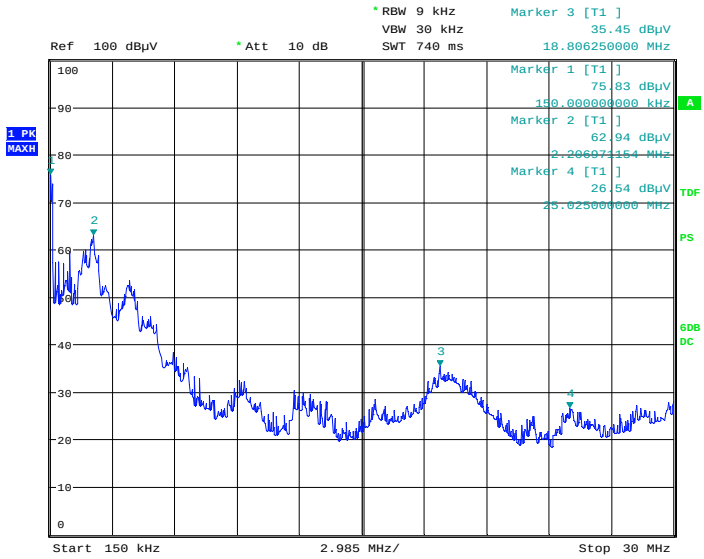
150kHz-30MHz (PK)



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9kHz-490kHz：

Indicated		Detector (PK/AV/QP)	Corrected Factor (dB/m)	FCC Part 15.209		
Frequency (kHz)	Corrected Amplitude (dBμV/m) @3m			Limit (dBμV/m) @3m	Limit (dBμV/m) @300m	Margin (dB)
9.90	50.32	PK	56.43	127.69	47.69	77.37
62.10	34.35	PK	43.98	111.74	31.74	77.39
112.26	84.07	PK	50.37	106.60	26.60	22.53
136.44	53.44	PK	50.71	104.91	24.91	51.47
150.00	75.83	PK	50.90	104.08	24.08	28.25

490kHz-30MHz

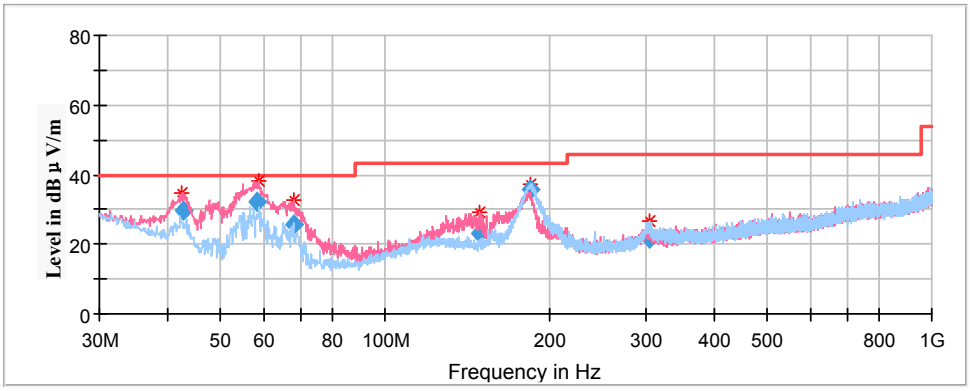
Indicated		Detector (PK/AV/QP)	Corrected Factor (dB/m)	FCC Part 15.209		
Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m			Limit (dBμV/m) @3m	Limit (dBμV/m) @30m	Margin (dB)
2.207	62.94	PK	13.53	69.54	29.54	6.60
18.806	35.45	PK	5.70	69.54	29.54	34.09
25.025	26.54	PK	5.50	69.54	29.54	43.00

Note:
The average emissions which fall into frequencies 9-90 kHz, 110-490 kHz was not recorded, because the peak emissions are below the average limit.

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **in X-axis of orientation** was recorded)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	QuasiPeak (dB µ V/m)	Height (cm)	Polar (H/V)				
42.640550	29.64	100.0	V	279.0	-12.2	40.00	10.36
58.184100	32.00	100.0	V	231.0	-15.0	40.00	8.00
68.265950	25.84	100.0	V	140.0	-16.4	40.00	14.16
148.947600	23.37	100.0	V	176.0	-12.8	43.50	20.13
184.459750	35.97	100.0	H	65.0	-13.0	43.50	7.53
304.505300	21.68	100.0	H	280.0	-10.7	46.00	24.32

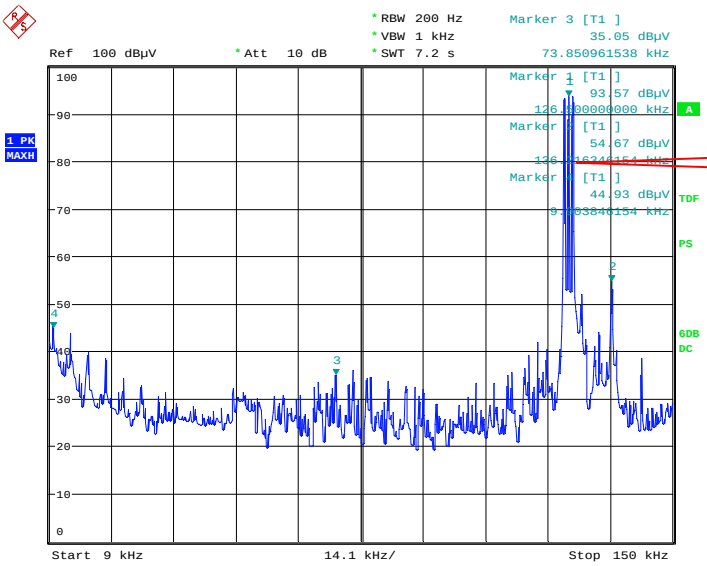
Note:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Corrected Amplitude (dBµV/m) = Corrected Factor (dB/m) + Reading (dBµV)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Power by DC 9V:

9kHz-30MHz:

*(Pre-scan in the X, Y and Z axes of orientation, the worst case **in X-axis of orientation** was recorded)*

9kHz-150kHz (PK)



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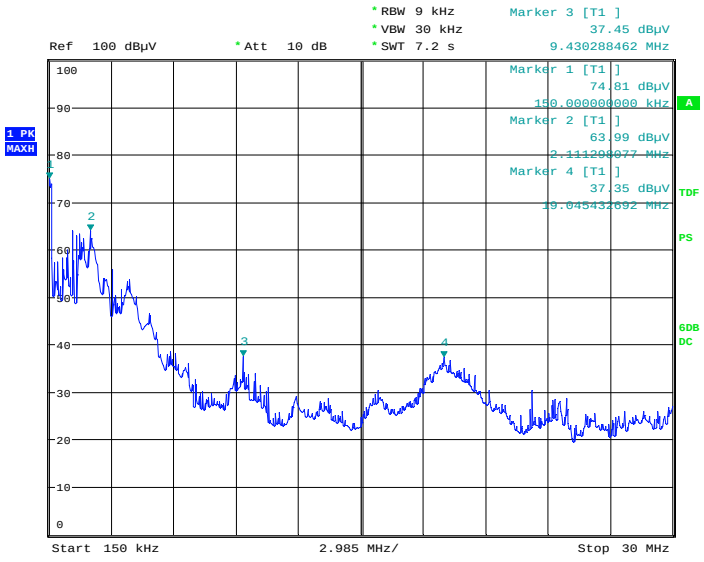
150kHz-30MHz (PK)



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9kHz-490kHz：

Indicated		Detector (PK/AV/QP)	Corrected Factor (dB/m)	FCC Part 15.209		
Frequency (kHz)	Corrected Amplitude (dBμV/m) @3m			Limit (dBμV/m) @3m	Limit (dBμV/m) @300m	Margin (dB)
9.90	44.93	PK	46.43	127.69	47.69	82.76
73.85	35.05	PK	45.91	110.24	30.24	75.19
126.50	93.57	PK	50.57	105.56	25.56	11.99
136.21	54.67	PK	50.72	104.92	24.92	50.25
150.00	74.81	PK	50.90	104.08	24.08	29.27

490kHz-30MHz

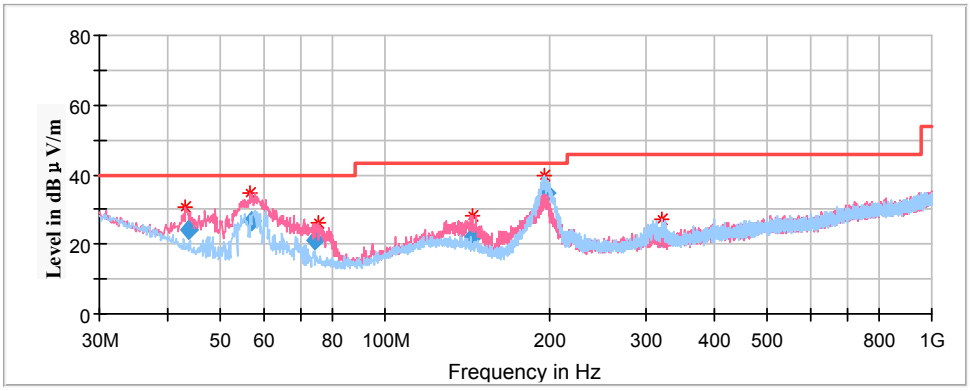
Indicated		Detector (PK/AV/QP)	Corrected Factor (dB/m)	FCC Part 15.209		
Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m			Limit (dBμV/m) @3m	Limit (dBμV/m) @30m	Margin (dB)
2.111	63.99	PK	13.94	69.54	29.54	5.55
9.430	37.45	PK	6.40	69.54	29.54	32.09
19.045	37.35	PK	5.68	69.54	29.54	32.19

Note:
The average emissions which fall into frequencies 9-90 kHz, 110-490 kHz was not recorded, because the peak emissions are below the average limit.

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

30MHz-1GHz

*(Pre-scan in the X,Y and Z axes of orientation, the worst case **in X-axis of orientation** was recorded)*



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	QuasiPeak (dB µ V/m)	Height (cm)	Polar (H/V)				
43.816550	23.93	100.0	V	227.0	-13.0	40.00	16.07
56.912650	26.87	100.0	V	239.0	-15.3	40.00	13.13
74.426550	21.06	100.0	V	227.0	-17.0	40.00	18.94
144.966850	22.35	100.0	V	155.0	-12.3	43.50	21.15
196.939600	34.61	100.0	H	71.0	-12.2	43.50	8.89
320.504200	22.15	100.0	H	71.0	-10.3	46.00	23.85

Note:
Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
Corrected Amplitude (dBµV/m) = Corrected Factor (dB/m) + Reading (dBµV)
Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

Declarations

1: BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with an asterisk '*'. Customer model name, addresses, names, trademarks etc. are not considered data.

2: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

3: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

4: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

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