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Report No.: UNIA22110312ER-61

# FCC RADIO TEST REPORT

# FCC ID: 2A323-CW35

Sample :Car wireless chargerTrade Name :N/AMain Model :CW35Additional Model :CW36, CW37, CW38, CW39, CW40, CW41,<br/>CW42, CW43, CW44, CW45, CW46, CW47,<br/>CW48, CW49, CW28, CW29, CW30, CW31,<br/>CW32, CW33, CW34, CW19SReport No. :UNIA22110312ER-61

### **Prepared for**

Shenzhen Meskey Technology Co., Ltd Room 401, Yuanshuo Science Park, Guihua Community, Guanlan, Longhua, Shenzhen, China

### **Prepared by**

Shenzhen United Testing Technology Co., Ltd.

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深圳市优耐检测技术有限公司 Shenzhen United Testing Technology Co., Ltd. 2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1 Rd, Tiegang Community, Xixiang Str, Bao'an District, Shenzhen, China 深圳市宝安区西乡街道铁岗社区宝田一路365号嘉皇源科技园附楼2楼 邮编: 518102 Tel:+86-755-86180996 Fax:+86-755-86180156

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# **TEST RESULT CERTIFICATION**

Applicant:	Shenzhen Meskey Technology Co., Ltd		
Address:	Room 401, Yuanshuo Science Park, Guihua Community, Guanlan, Longhua, Shenzhen, China		
Manufacturer:	Shenzhen Meskey Technology Co., Ltd		
Address:	Room 401, Yuanshuo Science Park, Guihua Community, Guanlan, Longhua, Shenzhen, China		
Product description			
Product:	Car wireless charger		
Trade Name	N/A		
Model Name:	CW35, CW36, CW37, CW38, CW39, CW40, CW41, CW42, CW43, CW44, CW45, CW46, CW47, CW48, CW49, CW28, CW29, CW30, CW31, CW32, CW33, CW34, CW19S		
Test Methods	FCC Rules and Regulations Part 15 Subpart C Section 15.209 ANSI C63.10: 2013		

This device described above has been tested by Shenzhen United Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test	
Date (s) of performance of tests:	Nov. 03, 2022 ~ Nov. 15, 2022
Date of Issue	Nov. 17, 2022
Test Result:	Pass

kahn.yang

Kahn yang/Supervisor

m chong

Kelly Cheng/Supervisor

live

Liuze/Manager

Prepared by:

Reviewer:

Approved & Authorized Signer:

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#### 1 TEST SUMMARY

#### 1.1 TEST PROCEDURES AND RESULTS

ITEM	STANGARD	RESULT
CONDUCTED EMISSION	FCC Part 15.207	COMPLIANT
RADIATED EMISSION	FCC Part 15.209	COMPLIANT
ANTENNA REQUIREMENT	FCC Part 15.203	COMPLIANT

#### 1.2 TEST FACILITY

Test Firm	:	Shenzhen United Testing Technology Co., Ltd.
Address	:	2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1

: 2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1 Rd, Tiegang Community, Xixiang Str, Bao'an District, Shenzhen, China

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19. The testing quality system of our laboratory meets with ISO/IEC-17025 requirements. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

A2LA Certificate Number: 4747.01

The EMC Laboratory has been accredited by A2LA, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

#### FCC Registration Number: 0027159896

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission.

IC Registration Number: 21947

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada.

#### 1.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

#### A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
UNI	ANSI	9KHz ~ 150KHz	2.96	
	5	150KHz ~ 30MHz	2.44	

#### B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
UNI	ANSI	9KHz ~ 30MHz	2.50	
		30MHz ~ 1000MHz	4.80	5
2		1000MHz ~ 6000MHz	4.13	



#### 2 GENERAL INFORMATION

#### 2.1 GENERAL DESCRIPTION OF EUT

Product:	Car wireless charger
Trade Name:	N/A
Main Model:	CW35
Additional Model:	CW36, CW37, CW38, CW39, CW40, CW41, CW42, CW43, CW44, CW45, CW46, CW47, CW48, CW49, CW28, CW29, CW30, CW31, CW32, CW33, CW34, CW19S
Model Difference:	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: CW35.
FCC ID:	2A323-CW35
Operation Frequency:	125KHz
Number of Channels:	1CH
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Antenna Gain:	0dBi
Battery:	N/A
Adapter:	N/A
Power Source:	DC 5V/9V from adapter with AC 120(240)V/60Hz



2.2 CARRIER FREQUENCY OF CHANNELS

Channel List			
Channel	Frequency (KHz)		
01	125		

#### 2.3 TEST MODE

The EUT was programmed to be in transmitting mode.

Channel List				
Test Channel Test Frequency (KHz)				
01 125				

#### 2.4 TEST SETUP

Operation of EUT during testing:

Adapter	 EUT		E-3
		J	

### 2.5 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Car wireless charger	N/A	CW35	EUT
E-2	Adapter	XIAOMI	MDY-08-EF	AE
E-3	WPT Station	N/A	N/A	AE
		1	1	
				1

Item	Shielded Type	Ferrite Core	Length	Note
				1.
	5		1	
			5	
	Ń	5		

Note:

1. The support equipment was authorized by Declaration of Confirmation.

2. For detachable type I/O cable should be specified the length in cm in [Length] column.

3. "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

### 2.6 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
		Conduction Em	issions Measuremer	nt	•
1	Conducted Emission Test Software	EZ-EMC	Ver.CCS-3A1-CE	N/A	N/A
2	AMN	Schwarzbeck	NNLK8121	8121370	2023.09.22
3	AAN	TESEQ	T8-Cat6	38888	2023.09.22
4	Pulse Limiter	CYBRTEK	EM5010	E115010056	2023.05.30
5	EMI Test Receiver	Rohde&Schwarz	ESCI	101210	2023.09.22
		Radiated Emis	sions Measurement	1	i.
1	Radiated Emission Test Software	EZ-EMC	Ver.CCS-03A1	N/A	N/A
2	Horn Antenna 🔨	Sunol	DRH-118	A101415	2023.09.22
3	Broadband Hybrid Antenna	Sunol	JB1	A090215	2024.02.26
4	PREAMP	HP	8449B	3008A00160	2023.09.22
5	PREAMP	HP	8447D	2944A07999	2023.05.30
6	EMI TEST RECEIVER	Rohde&Schwarz	ESR3	101891	2023.09.22
7	VECTOR Signal Generator	Rohde&Schwarz	SMU200A	101521	2023.09.22
8	Signal Generator	Agilent	E4421B	MY4335105	2023.09.22
9	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2023.09.22
10	MXA Signal Analyzer	Keysight	N9020A	MY51110104	2023.09.22
11	RF Power sensor	DARE	RPR3006W	15100041SNO88	2023.05.30
12	RF Power sensor	DARE	RPR3006W	15100041SNO89	2023.05.30
13	RF power divider	Anritsu	K241B	992289	2023.09.22
14	Wideband radio communication tester	Rohde&Schwarz	CMW500	154987	2023.09.22
15	Active Loop Antenna	Com-Power	AL-130R	10160009	2023.05.30
16	Broadband Hybrid Antennas	Schwarzbeck	VULB9163	VULB9163#958	2023.09.22
17	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1680	2023.05.30
18	Horn Antenna	A-INFOMW	LB-180400-KF	J211060660	2023.09.22
19	Microwave Broadband Preamplifier	Schwarzbeck	BBV 9721	100472	2023.09.22
20	Signal Generator	Agilent	N5183A	MY47420153	2023.09.22
21	Spctrum Analyzer	Rohde&Schwarz	FSP 40	100501	2023.09.22
22	Power Meter	KEYSIGHT	N1911A	MY50520168	2023.09.22
23	Frequency Meter	VICTOR	VC2000	997406086	2023.09.22
24	DC Power Source	HYELEC	HY5020E	055161818	2023.09.22

### **3 CONDUCTED EMISSION**

#### 3.1 TEST LIMIT

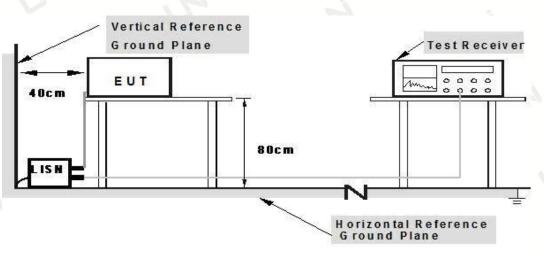
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

				Y		
Frequency (MHz)	Maximum RF Line Voltage (dBµV)					
	CLASS A		CLASS B			
(	Q.P.	Ave.	Q.P.	Ave.		
0.15~0.50	79	66	66~56*	56~46*		
0.50~5.00	73	60	56	46		
5.00~30.0	73	60	60	50		

\* Decreasing linearly with the logarithm of the frequency.

For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

#### 3.2 TEST SETUP



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

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#### 3.3 TEST PROCEDURE

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is placed on a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10: 2013.
- 2. Support equipment, if needed, was placed as per ANSI C63.10: 2013.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10: 2013.
- 4. If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5. All support equipments received AC power from a second LISN, if any.
- 6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

#### 3.4 TEST RESULT

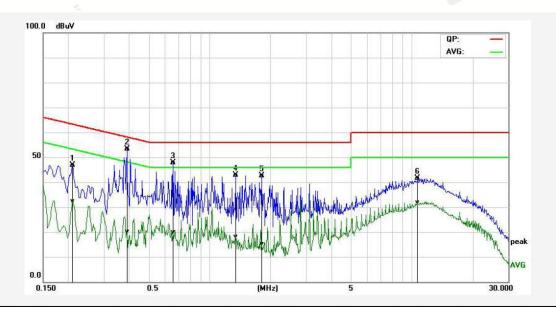
PASS

Remark: EUT was tested at AC 120V and 240V, only the worst result of AC 120V was reported.

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#### Report No.: UNIA22110312ER-61

Temperature:	24°C	Relative Humidity:	48%
Test Date:	Nov. 07, 2022	Pressure:	1010hPa
Test Voltage:	AC 120V, 60Hz	Phase:	Line
Test Mode:	Transmitting mode	5	, N



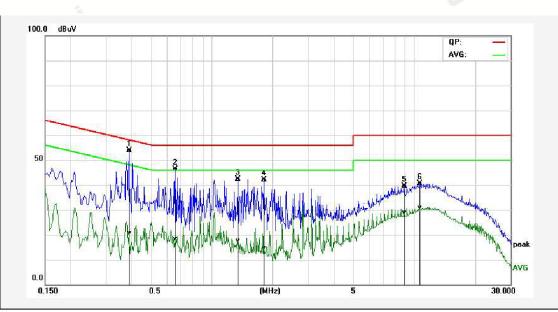
Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
0.2100	36.82	22.44	10.03	46.85	32.47	63.21	53.21	-16.36	-20.74	Pass
0.3900	43.47	10.14	10.00	53.47	20.14	58.06	48.06	-4.59	-27.92	Pass
0.6580	37.90	9.80	9.98	47.88	19.78	56.00	46.00	-8.12	-26.22	Pass
1.3500	32.79	8.03	10.04	42.83	18.07	56.00	46.00	-13.17	-27.93	Pass
1.8140	32.63	5.23	10.02	42.65	15.25	56.00	46.00	-13.35	-30.75	Pass
10.7060	31.44	21.77	10.11	41.55	31.88	60.00	50.00	-18.45	-18.12	Pass
	(MHz) 0.2100 0.3900 0.6580 1.3500 1.8140	reading   (MHz) (dBuV)   0.2100 36.82   0.3900 43.47   0.6580 37.90   1.3500 32.79   1.8140 32.63	reading reading   (MHz) (dBuV) (dBuV)   0.2100 36.82 22.44   0.3900 43.47 10.14   0.6580 37.90 9.80   1.3500 32.79 8.03   1.8140 32.63 5.23	reading reading factor   (MHz) (dBuV) (dBuV) (dB)   0.2100 36.82 22.44 10.03   0.3900 43.47 10.14 10.00   0.6580 37.90 9.80 9.98   1.3500 32.79 8.03 10.04   1.8140 32.63 5.23 10.02	reading reading factor result   (MHz) (dBuV) (dBuV) (dB) (dBuV)   0.2100 36.82 22.44 10.03 46.85   0.3900 43.47 10.14 10.00 53.47   0.6580 37.90 9.80 9.98 47.88   1.3500 32.79 8.03 10.04 42.83   1.8140 32.63 5.23 10.02 42.65	reading reading factor result result   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dBuV)   0.2100 36.82 22.44 10.03 46.85 32.47   0.3900 43.47 10.14 10.00 53.47 20.14   0.6580 37.90 9.80 9.98 47.88 19.78   1.3500 32.79 8.03 10.04 42.83 18.07   1.8140 32.63 5.23 10.02 42.65 15.25	reading reading factor result result limit   (MHz) (dBuV) (dBuV) (dB) (dBuV)	reading reading factor result result limit limit   (MHz) (dBuV) (dBuV) (dB) (dBuV)	reading reading factor result result limit limit margin   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dB) (dBuV) (dBuV) (dB)	reading reading factor result result limit limit margin margin   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dB) (dB) (dB)   0.2100 36.82 22.44 10.03 46.85 32.47 63.21 53.21 -16.36 -20.74   0.3900 43.47 10.14 10.00 53.47 20.14 58.06 48.06 -4.59 -27.92   0.6580 37.90 9.80 9.98 47.88 19.78 56.00 46.00 -8.12 -26.22   1.3500 32.79 8.03 10.04 42.83 18.07 56.00 46.00 -13.17 -27.93   1.8140 32.63 5.23 10.02 42.65 15.25 56.00 46.00 -13.35 -30.75

Remark: Factor = Insertion Loss + Cable Loss, Result = Reading + Factor, Margin = Result - Limit.

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#### Report No.: UNIA22110312ER-61

Temperature:	24°C	Relative Humidity:	48%
Test Date:	Nov. 07, 2022	Pressure:	1010hPa
Test Voltage:	AC 120V, 60Hz	Phase:	Neutral
Test Mode:	Transmitting mode	5	i i i



Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
0.3900	43.97	10.64	10.00	53.97	20.64	58.06	48.06	-4.09	-27.42	Pass
0.6580	36.40	8.30	9.98	46.38	18.28	56.00	46.00	-9.62	-27.72	Pass
1.3500	32.29	7.53	10.04	42.33	17.57	56.00	46.00	-13.67	-28.43	Pass
1.8140	32.13	4.73	10.02	42.15	14.75	56.00	46.00	-13.85	-31.25	Pass
8.9260	29.45	18.84	10.09	39.54	28.93	60.00	50.00	-20.46	-21.07	Pass
10.7060	30.44	20.77	10.11	40.55	30.88	60.00	50.00	-19.45	-19.12	Pass
(	(MHz) 0.3900 0.6580 1.3500 1.8140 3.9260	reading   (MHz) (dBuV)   0.3900 43.97   0.6580 36.40   1.3500 32.29   1.8140 32.13   3.9260 29.45	reading reading   (MHz) (dBuV) (dBuV)   0.3900 43.97 10.64   0.6580 36.40 8.30   1.3500 32.29 7.53   1.8140 32.13 4.73   8.9260 29.45 18.84	reading reading factor   (MHz) (dBuV) (dBuV) (dB)   0.3900 43.97 10.64 10.00   0.6580 36.40 8.30 9.98   1.3500 32.29 7.53 10.04   1.8140 32.13 4.73 10.02   8.9260 29.45 18.84 10.09	reading reading factor result   (MHz) (dBuV) (dBuV) (dB) (dBuV)   0.3900 43.97 10.64 10.00 53.97   0.6580 36.40 8.30 9.98 46.38   1.3500 32.29 7.53 10.04 42.33   1.8140 32.13 4.73 10.02 42.15   8.9260 29.45 18.84 10.09 39.54	reading reading factor result result   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dBuV)   0.3900 43.97 10.64 10.00 53.97 20.64   0.6580 36.40 8.30 9.98 46.38 18.28   1.3500 32.29 7.53 10.04 42.33 17.57   1.8140 32.13 4.73 10.02 42.15 14.75   3.9260 29.45 18.84 10.09 39.54 28.93	reading reading factor result limit   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dBuV) (dBuV)   0.3900 43.97 10.64 10.00 53.97 20.64 58.06   0.6580 36.40 8.30 9.98 46.38 18.28 56.00   1.3500 32.29 7.53 10.04 42.33 17.57 56.00   1.8140 32.13 4.73 10.02 42.15 14.75 56.00   3.9260 29.45 18.84 10.09 39.54 28.93 60.00	reading reading factor result result limit	reading reading factor result limit limit margin   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dBuV) (dBuV) (dBuV) (dBuV) (dBuV) (dB)   0.3900 43.97 10.64 10.00 53.97 20.64 58.06 48.06 -4.09   0.6580 36.40 8.30 9.98 46.38 18.28 56.00 46.00 -9.62   1.3500 32.29 7.53 10.04 42.33 17.57 56.00 46.00 -13.67   1.8140 32.13 4.73 10.02 42.15 14.75 56.00 46.00 -13.85   3.9260 29.45 18.84 10.09 39.54 28.93 60.00 50.00 -20.46	reading reading factor result result limit limit margin margin   (MHz) (dBuV) (dBuV) (dB) (dBuV) (dB) <

Remark: Factor = Insertion Loss + Cable Loss, Result = Reading + Factor, Margin = Result - Limit.

#### **4 RADIATED EMISSION**

#### 4.1 TEST LIMIT

#### CFR 47 Part 15, section 15.205

Only spurious emissions are permitted in any of the frequency bands listed the tables in these sections:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

#### CFR 47 Part 15, section 15.209

The emissions from an intentional radiator shall not exceed the limits in the tables in these sections using an average detector:

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

Limit calculation and transfer to 3m distance as showed in the following table:

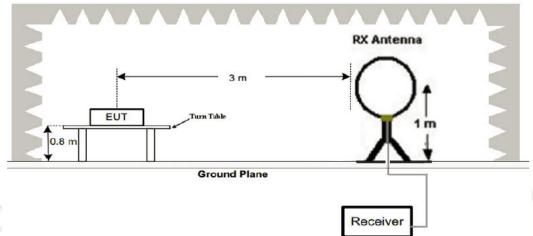
FrequencyLimit(MHz)(dBuV/m)		Distance (m)
0.009-0.490	20log(2400/F(KHz))+40log(300/3)	3
0.490-1.705	20log(24000/F(KHz))+40log(30/3)	3
1.705-30.0	69.5	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

CFR 47 Part 15, section 15.35 When average radiated emission measurements are specified, the limit on the peak level of the radio Frequency emission is 20dB above the maximum permitted average emission limit.

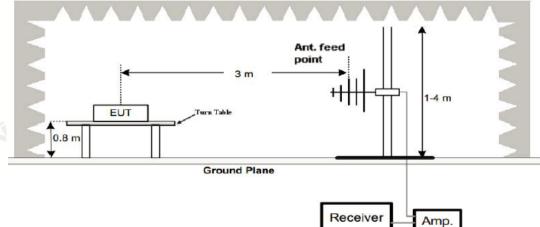
Transmitter Spurious Emissions 9KHz-30MHz						
	9-150KHz	150-490KHz	490KHz-30MHz			
Resolution Bandwidth	200Hz	9KHz	9KHz			
Video Bandwidth	2KHz	100KHz	100KHz			
Detector	Peak	Peak	Peak			
Trace Mode	Max Hold	Max Hold	Max Hold			
Sweep Time	Auto	Auto	Auto			

#### 4.2 TEST SETUP

1. Radiated Emission Test-Up Frequency Below 30MHz



2. Radiated Emission Test-Up Frequency 30MHz~1GHz





#### 4.3 TEST PROCEDURE

- 1. Measurement distance is 3m.
- 2. For the measurement range up to 30MHz in the following plots the field strength result from 3m.
- 3. Distance measurement are extrapolated to 300m and 30m distance respectively, by 40dB/decade. According to part 15.31(f)(2), per antenna factor scaling.
- 4. Measurements below 1000MHz are performed with a peak detector and compared to average limits. Measurements with an average detector are not required. Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.

#### 4.4 TEST RESULT

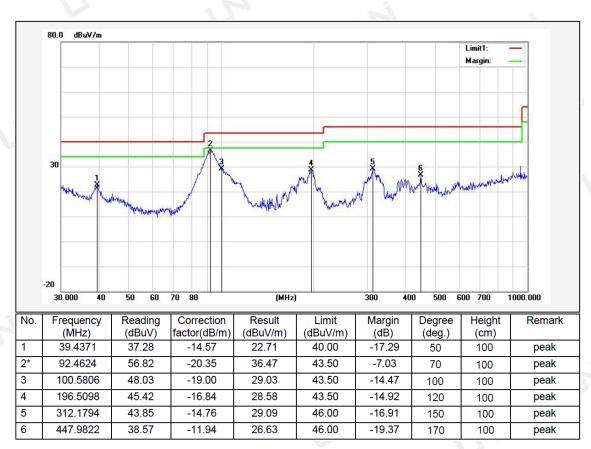
#### PASS

For 9KHz-30MHz Test Results:

Frequency (MHz)	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limits 3m (dBuV/m)	Margin (dBuV/m)
0.125	PK	70.12	15.48	85.60	105.67	-20.07
0.806	PK	36.72	15.98	52.70	69.48	-16.78
1.772	PK	27.85	16.20	44.05	69.50	-25.45
2.526	PK	33.61	15.20	48.81	69.50	-20.69
4.681	PK	31.10	15.68	46.78	69.50	-22.72
8.255	PK	31.63	15.60	47.23	69.50	-22.27

For 30MHz-1GHz Test Results:

Temperature:	24°C	Relative Humidity:	48%	
Test Date:	Nov. 08, 2022	Pressure:	1010hPa	
Test Voltage:	AC 120V, 60Hz	Phase:	Horizontal	
Test Mode:	Transmitting mode			

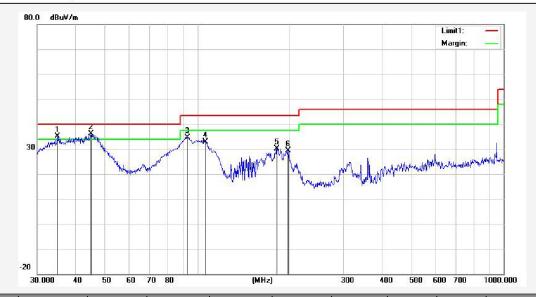


Remark: Absolute Level = Reading Level + Factor, Margin = Absolute Level – Limit Factor = Ant. Factor + Cable Loss – Pre-amplifier

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Temperature:	24°C	Relative Humidity:	48%	
Test Date:	Nov. 08, 2022	Pressure:	1010hPa	
Test Voltage:	AC 120V, 60Hz	Phase:	Vertical	
Test Mode:	Transmitting mode	1	i li	



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1!	34.8823	45.91	-10.78	35.13	40.00	-4.87	70	100	QP
2*	44.9006	54.17	-18.05	36.12	40.00	-3.88	100	100	QP
3	92.7871	54.95	-20.29	34.66	43.50	- <mark>8</mark> .84	120	100	peak
4	106.0126	51.01	-18.06	32.95	43.50	-10.55	150	100	peak
5	181.9202	47.94	-17.71	30.23	43.50	-13.27	180	100	peak
6	197.8928	45.95	-16.66	29.29	43.50	-14.21	200	100	peak

Remark: Absolute Level = Reading Level + Factor, Margin = Absolute Level – Limit Factor = Ant. Factor + Cable Loss – Pre-amplifier

#### Remark:

- 1. \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- 2. The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1MHz for measuring above 1GHz, below 30MHz was 10KHz.

#### **5 ANTENNA REQUIREMENT**

#### Standard Applicable:

For intentional device, according to FCC 47 CFR Section 15.203, 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.

#### Antenna Connected Construction:

The antenna used in this product is Coil Antenna, The directional gains of antenna used for transmitting is 0dBi.

#### ANTENNA:



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# 6 PHOTO OF TEST

6.1 RADIATED EMISSION





深圳市优耐检测技术有限公司 Shenzhen United Testing Technology Co.,Ltd.





\*\*\*End of Report\*\*\*

深圳市优耐检测技术有限公司 Shenzhen United Testing Technology Co.,Ltd.