

# **Test Report**

Report No. : MTi241225011-08E1

Date of issue : 2025-02-20

Applicant : ASAP Technology(Jiangxi) Co.,Ltd.

Product : Wireless Charger

Model(s) : WIAWHT36012808

FCC ID : 2APXNLACC162

Shenzhen Microtest Co., Ltd.



Report No.: MTi241225011-08E1

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Test Result Certific	ation		@Mic.		
Applicant	ASAP Tech	ASAP Technology(Jiangxi) Co.,Ltd.			
Applicant Address	Ji'an Industrial Park, Ji'an, Jiangxi 343100 China				
Manufacturer	ASAP Tech	nology(Jiangxi) Co.,Ltd.	~ VICLOR		
Manufacturer Address	Ji'an Indust	rial Park, Ji'an, Jiangxi 343100 Cl	nina		
Product descriptio	n acc	(e)			
Product name	Wireless C	harger	6		
Trademark	onn		<b>"</b>		
Model name	WIAWHT36	6012808	, est		
Series Model(s)	N/A		= MICION		
Standards	47 CFR Pa	rt 15C			
Test Method	ANSI C63.	10-2013	, est		
Testing Information	n		Micro		
Date of test	2025-02-08	3 to 2025-02-14			
Test result Pass		· ost			
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Approved b	by:	Leon Chen	Yanice Xie Dovid. Lee Leor chan		
	VC/	2.00			

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### 1 General Description

#### 1.1 Description of the EUT

Product name:	Wireless Charger		
Model name:	WIAWHT36012808		
Series Model(s):	N/A		
Model difference:	N/A		
Electrical rating:	nput:5V 3A, 9V 3A, 12V 2.5A, 15V 2A Output Phone:15W Max Output TWS:5W Max Output Apple Watch:5W Max		
Accessories:	N/A		
Hardware version:	Α		
Software version:	0X89DC		
Test sample(s) number:	MTi241225011-08-R001		
RF specification			
Operating frequency range:	Coil 1 (Phone-5W~7.5W): 115 kHz – 205 kHz Coil 1 (Phone-15W): 360 kHz Coil 2 (TWS-5W): 115 kHz – 205 kHz Coil 3 (Watch-3W): 326.5 kHz Coil 3 (Watch-5W):1.778 MHz		
Modulation type:	ASK		
Antenna(s) type:	Coil		

#### 1.2 Description of test modes

No.	Emission test modes			
Mode1	Wireless Output(Phone:5W)			
Mode2	Wireless Output(Phone:7.5W)			
Mode3	Wireless Output(Phone:15W)			
Mode4	Wireless Output(Apple watch:3W)			
Mode5	Wireless Output(Apple watch:5W)			
Mode6	Wireless Output(TWS:5W)			
Mode7	Wireless Output(Phone:5W+TWS:5W)			
Mode8	Wireless Output(Phone:7.5W+TWS:5W)			
Mode9	Wireless Output(Phone:15W+TWS:5W)			
Mode10	Wireless Output(Phone:5W+Apple watch:3W)			
Mode11	Wireless Output(Phone:7.5W+Apple watch:3W)			
Mode12	Wireless Output(Phone:15W+Apple watch:3W)			
Mode13	Wireless Output(Phone:5W+Apple watch:5W)			
Mode14	Wireless Output(Phone:7.5W+Apple watch:5W)			

Tel: 0755-88850135-1439 Mobile: 131-4343-1439 (Wechat same number) Web: http://www.mtitest.cn E-mail: mti@51mti.com
Address: 101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
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Mode15	Wireless Output(Phone:15W+Apple watch:5W)
Mode16	Wireless Output(Apple watch:3W+TWS:5W)
Mode17	Wireless Output(Apple watch:5W+TWS:5W)
Mode18	Wireless Output(Phone:5W+Apple watch:3W+TWS:5W)
Mode19 Wireless Output(Phone:7.5W+Apple watch:3W+TWS:5W)	
Mode20	Wireless Output(Phone:15W+Apple watch:3W+TWS:5W)
Mode21	Wireless Output(Phone:5W+Apple watch:5W+TWS:5W)
Mode22	Wireless Output(Phone:7.5W+Apple watch:5W+TWS:5W)
Mode23	Wireless Output(Phone:15W+Apple watch:5W+TWS:5W)
Mode24	Stand by

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#### 1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

#### 1.4 Description of support units

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.

Support equipment list					
Description	Model	Serial No.	Manufacturer		
TWS	AirPods 2	MJHFCQP1QM	Apple		
wireless charging load	YBZ2.1	/	YBZ		
wireless charging load	YBZ3.0	/	YBZ		
Apple Watch	Apple Watch S7	ole Watch S7 M0JVGQG1VP			
Apple Watch	Apple Watch SE	FH7PP6BAG91J6	Apple		
HUAWEI QUICK CHARGE(65W)	HW-200200ZP1	JN67LSN7N03451	HUAWEI		
Support cable list					
Description	Length (m)	From	То		
/	/	/	/		

#### 1.5 Measurement uncertainty

Measurement	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	±3.1dB
Occupied channel bandwidth	±3 %
Radiated spurious emissions (9kHz~30MHz)	±4.3dB
Radiated spurious emissions (30MHz~1GHz)	±4.7dB
Temperature	±1 °C
Humidity	± 5 %

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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### 2 Summary of Test Result

No.	Item	Requirement	Result
1	Antenna requirement	47 CFR Part 15.203	Pass
2	Conducted Emission at AC power line	47 CFR Part 15.207(a)	Pass
3	20dB Occupied Bandwidth	47 CFR Part 15.215(c)	Pass
4	Emissions in frequency bands (below 30MHz)	47 CFR Part 15.209	Pass
5	Emissions in frequency bands (30MHz - 1GHz)	47 CFR Part 15.209	Pass

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#### 3 Test Facilities and accreditations

#### 3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.		
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China		
Telephone:	(86-755)88850135		
Fax:	(86-755)88850136		
CNAS Registration No.:	CNAS L5868		
FCC Registration No.:	448573		
IC Registration No.:	21760		
CABID:	CN0093		

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# 4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
	Conducted Emission at AC power line					
1	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2024-03- 20	2025-03- 19
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2024-03- 21	2025-03- 20
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2024-03- 20	2025-03- 19
		20dB Occup	ied Bandwidth			
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2024-03- 20	2025-03- 19
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB400512 40	2024-03- 21	2025-03- 20
3	PXA Signal Analyzer	Agilent	N9030A	MY513502 96	2024-03- 21	2025-03- 20
4	Synthesized Sweeper	Agilent	83752A	3610A019 57	2024-03- 21	2025-03- 20
5	MXA Signal Analyzer	Agilent	N9020A	MY501434 83	2024-03- 21	2025-03- 20
6	RF Control Unit	Tonscend	JS0806-1	19D80601 52	2024-03- 21	2025-03- 20
7	Band Reject Filter Group	Tonscend	JS0806-F	19D80601 60	2024-03- 21	2025-03- 20
8	ESG Vector Signal Generator	Agilent	N5182A	MY501437 62	2024-03- 20	2025-03- 19
9	DC Power Supply	Agilent	E3632A	MY400276 95	2024-03- 21	2025-03- 20
	En	nissions in frequenc	y bands (below	30MHz)		
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2024-03- 20	2025-03- 19
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03- 23	2025-03- 22
3	Amplifier	Hewlett-Packard	8447F	3113A0618 4	2024-03- 20	2025-03- 19
Emissions in frequency bands (30MHz - 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2024-03- 20	2025-03- 19
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2023-06-11	2025-06- 10
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03- 23	2025-03- 22
4	Amplifier	Hewlett-Packard	8447F	3113A0618 4	2024-03- 20	2025-03- 19

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### 5 Evaluation Results (Evaluation)

#### 5.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 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. 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.
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#### 5.1.1 Conclusion:

The antenna of the EUT is permanently attached.

The EUT complies with the requirement of FCC PART 15.203.

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### 6 Radio Spectrum Matter Test Results (RF)

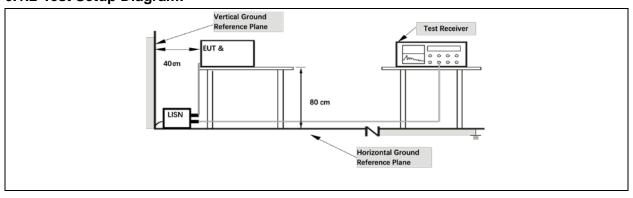
#### 6.1 Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN).						
Test Limit:	Frequency of emission (MHz) Conducted limit (dBµV)						
		Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	*Decreases with the logarithm of the frequency.						
Test Method:	ANSI C63.10-2013 section 6.2						
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices						

#### 6.1.1 E.U.T. Operation:

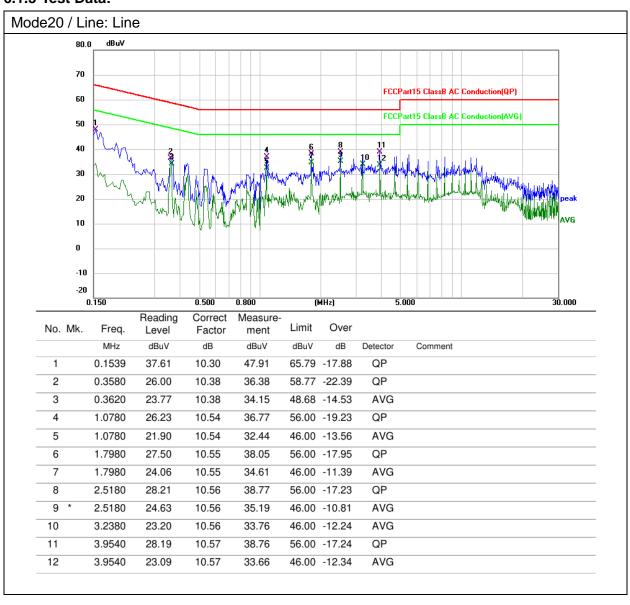
Operating Environment:						
Temperature:	19.2 °C		Humidity:	35 %	Atmospheric Pressure:	100 kPa
Pre test mode:	Pre test mode:  Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24					
Final test mode:  All of the listed pre-test mode were tested, only the data of the worst mode (Mode20) is recorded in the report						

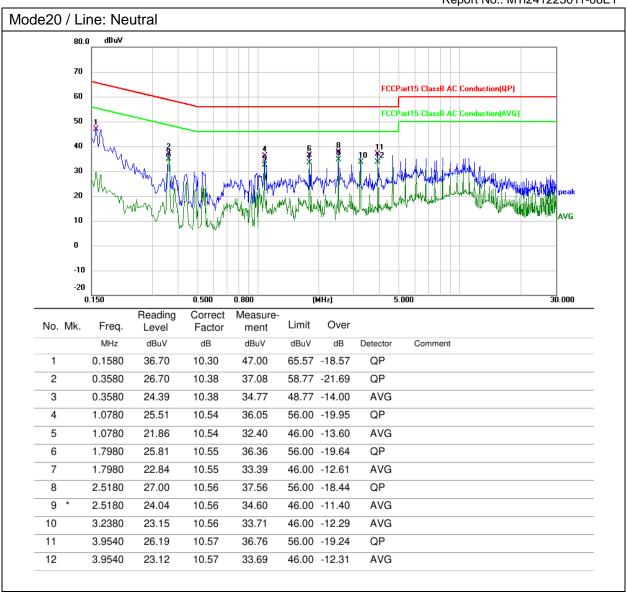
#### 6.1.2 Test Setup Diagram:



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#### 6.1.3 Test Data:





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#### 6.2 20dB Occupied Bandwidth

6.2 ZUGB Occup	ica Banawiani
Test Requirement	: 47 CFR Part 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI C63.10-2013, section 6.9.2
Test Method: Procedure:	a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2. d) Steps a) through c) might require iteration to adjust within the specified tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "-xx dB down" requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value. f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). h) Determine the "-xx dB down amplitude" using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-xx dB do
Tal: 0755_88850135_1//30	envelope of the spectral display, such that the marker is at or slightly below the "-xx dB down amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the

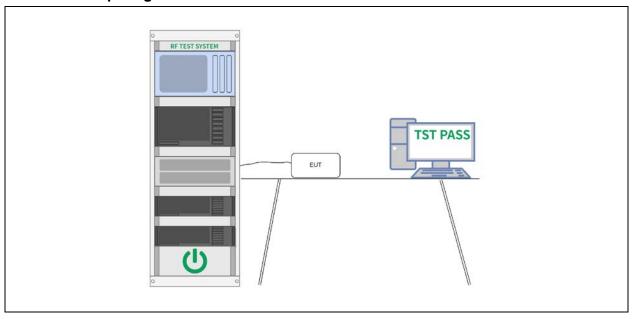
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reference marker amplitude. The marker-delta frequency reading at
this point is the specified emission bandwidth.
k) The occupied bandwidth shall be reported by providing plot(s) of the
measuring instrument display; the plot axes and the scale units per
division shall be clearly labeled. Tabular data may be reported in
addition to the plot(s).

#### 6.2.1 E.U.T. Operation:

Operating Environment:						
Temperature:	23.9 °C		Humidity:	33 %	Atmospheric Pressure:	101 kPa
Pre test mode:  Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24					Mode15,	
Final test mode	All of the listed pre-test mode were tested, only the data of the worst mode (Mode19, Mode23) is recorded in the report					

#### **6.2.2 Test Setup Diagram:**

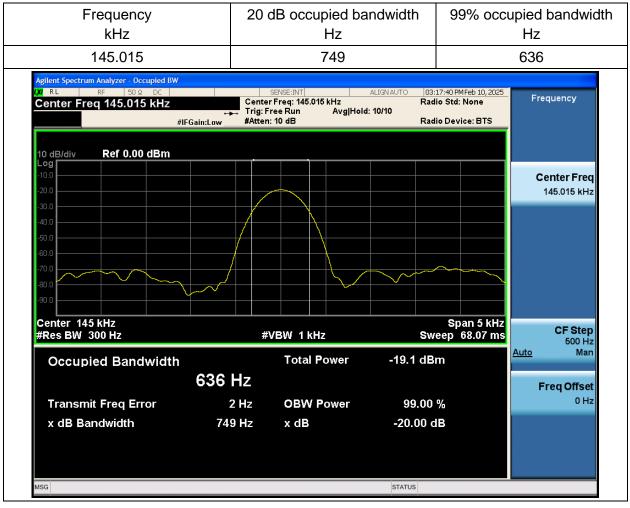


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#### 6.2.3 Test Data:

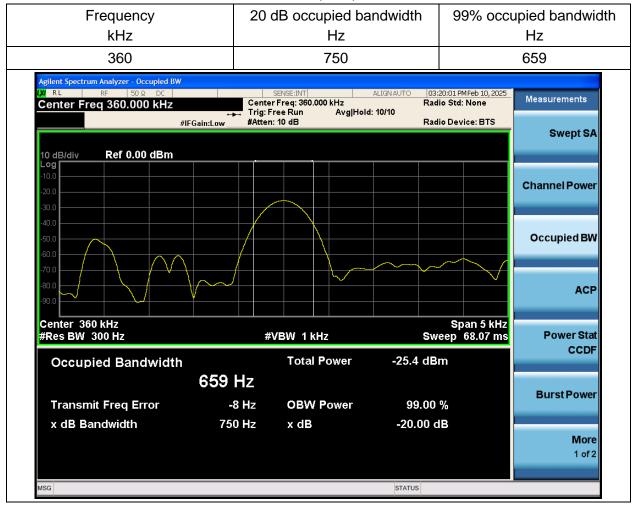
**Note:** Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Coil 1(7.5W)



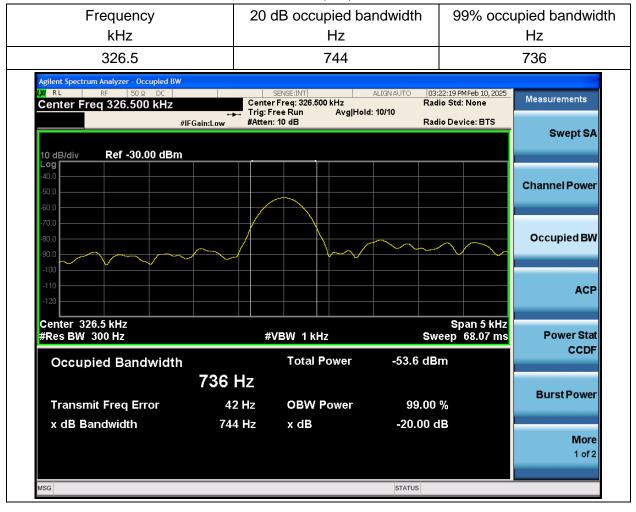
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Coil 1(15W)



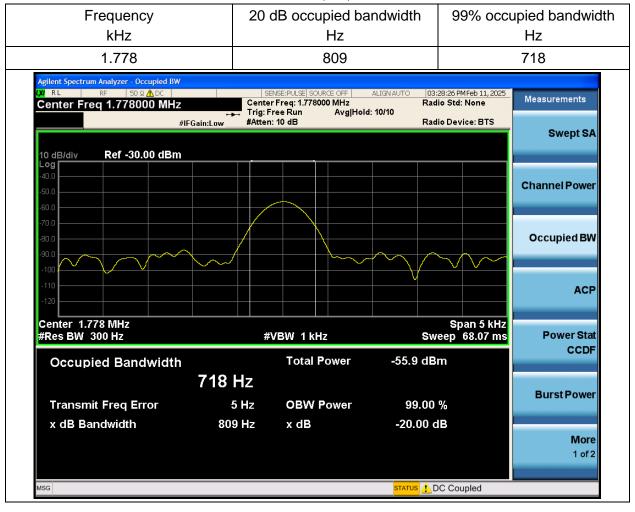
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Coil 3(3W)



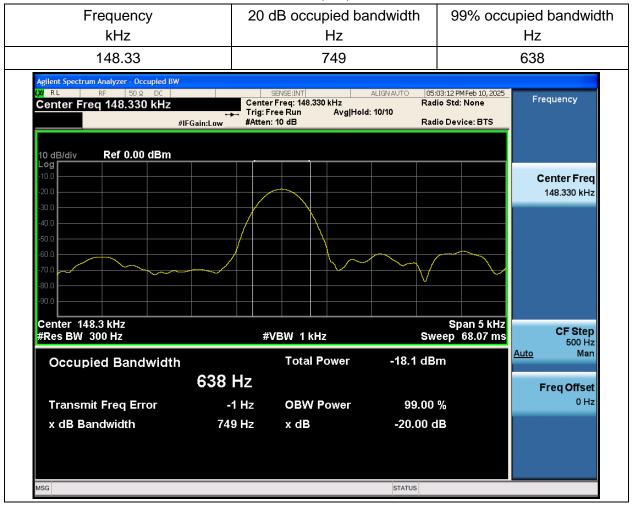
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Coil 3(5W)



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Coil 2(5W)



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### 6.3 Emissions in frequency bands (below 30MHz)

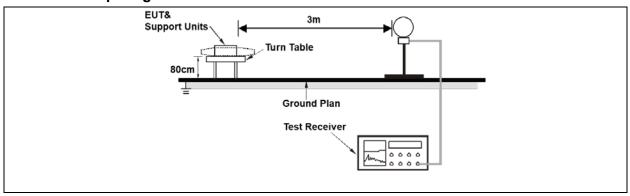
Test Requirement:	47 CFR Part 15.209					
Test Limit:	Frequency (MHz)	Field strength	Measuremen			
		(microvolts/meter)	t distance			
			(meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
	Above 960	500	3			
Tost Mothod:	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located 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 15.2 In the emission table above, the tighter limit applies at the band edge. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.  As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section are based on average limits. However, the peak field strength of any emission should not exceed the maximum permitted average limits specified above more than 20 dB under any condition of modulation. For point-to-pooperation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antennal azimuth.					
Test Method:	ANSI C63.10-2013 section 6.4					
Procedure:	ANSI C63.10-2013 sect	ion 6.4				

#### 6.3.1 E.U.T. Operation:

Operating Environment:						
Temperature:	18.4 °C	Humidity:	28.1 %	Atmospheric Pressure:	99 kPa	
Pre test mode:	Pre test mode:  Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24					
Final test mode:  All of the listed pre-test mode were tested, only the data of the worst mode (Mode19, Mode23) is recorded in the report						

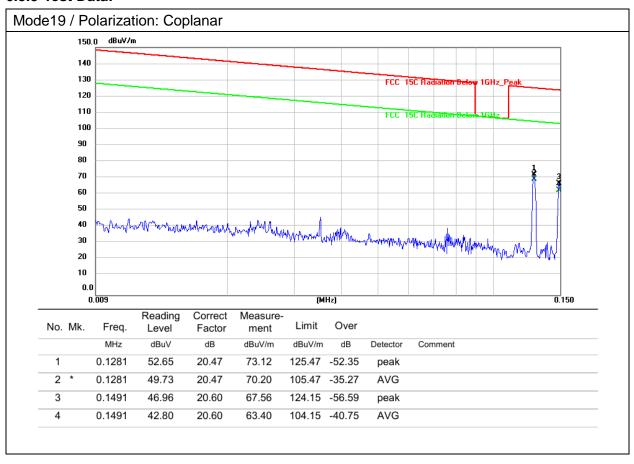
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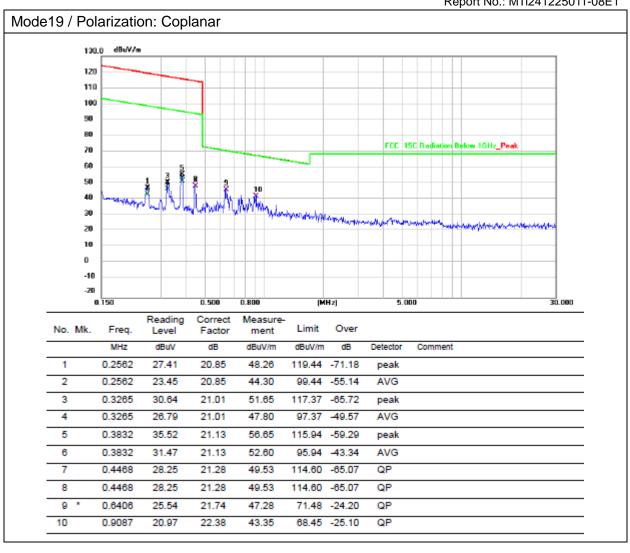
#### 6.3.2 Test Setup Diagram:

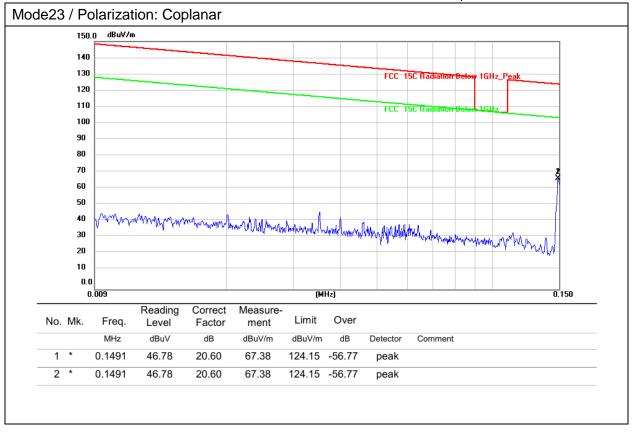


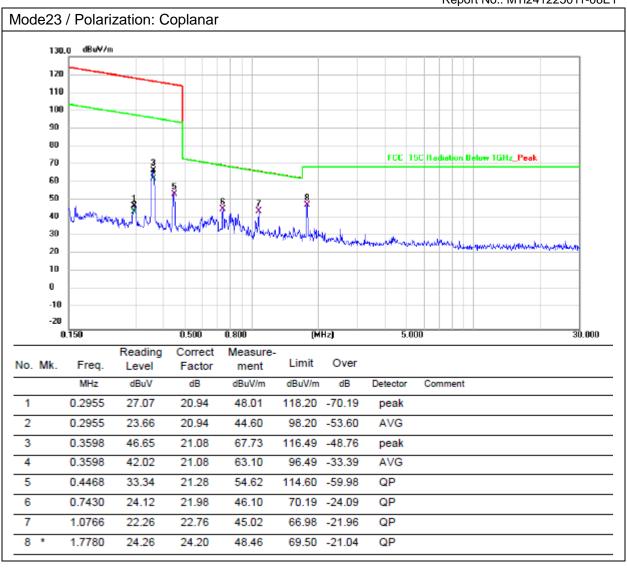
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#### 6.3.3 Test Data:









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#### 6.4 Emissions in frequency bands (30MHz - 1GHz)

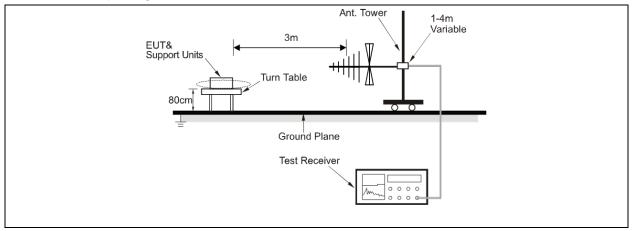
Test Requirement:	47 CFR Part 15.209					
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
	Above 960	500	3			
	intentional radiators operating under this section shall not be located 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. In the emission table above, the tighter limit applies at the band of the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.  As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section are based or average limits. However, the peak field strength of any emission should be a section of any emission of modulation. For point-to-properation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antendazimuth.					
Test Method:	ANSI C63.10-2013 section 6.5					
Procedure:	ANSI C63.10-2013 se	ction 6.5				

#### 6.4.1 E.U.T. Operation:

Operating Environment:						
Temperature:	22.5 °C		Humidity:	43 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Pre test mode:  Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24					
Final test mode	est mode:  All of the listed pre-test mode were tested, only the data of the worst mode (Mode23) is recorded in the report					

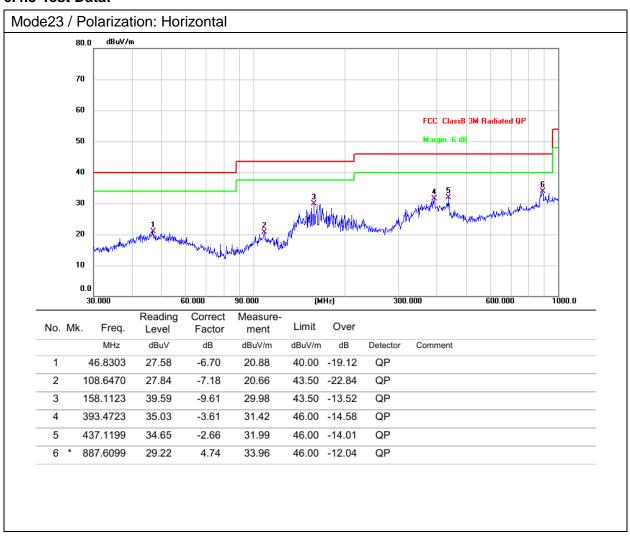
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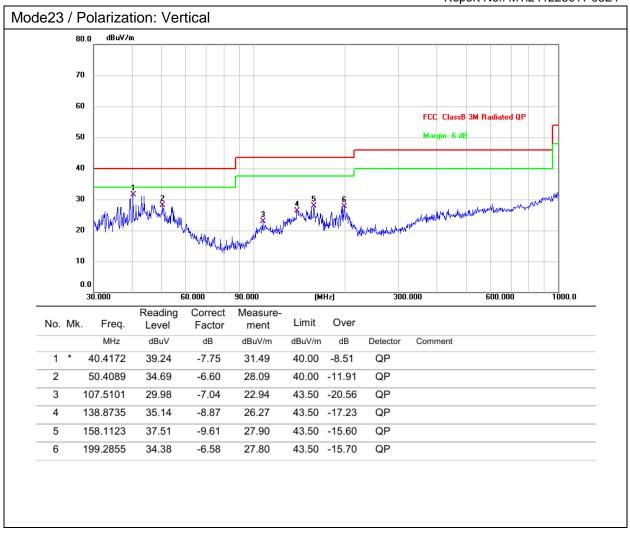
#### 6.4.2 Test Setup Diagram:



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#### 6.4.3 Test Data:





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### Photographs of the test setup

Refer to Appendix - Test Setup Photos

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### Photographs of the EUT

Refer to Appendix - EUT Photos

Tel: 0755-88850135-1439 Mobile: 131-4343-1439 (Wechat same number) Web: http://www.mtitest.cn E-mail: mti@51mti.com
Address: 101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
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### Statement

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