

# **Test Report**

Report No. MTi250311014-0202E1

Date of issue : 2025-04-08

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

**Wireless Charger Product** 

Model(s) WIA2WB36010393

FCC ID 2APXNLACC165

Shenzhen Microtest Co., Ltd.



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(IAPA)		-a5t		



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Test Result Certific	cation		
Applicant	ASAP Tecl	hnology(Jiangxi) Co.,Ltd.	
Applicant Address	Ji'an Indus	strial Park, Ji'an, Jiangxi 343100	) China
Manufacturer	ASAP Tecl	hnology(Jiangxi) Co.,Ltd.	
Manufacturer Address	Ji'an Indus	strial Park, Ji'an, Jiangxi 343100	) China
Product description	on		
Product name	Wireless C	Charger	
Trademark	onn		
Model name	WIA2WB3	6010393	
Series Model(s)	N/A	Micro	
Standards	Standards 47 CFR Part 15C		
Test Method	ANSI C63.	10-2013	atest
Testing Informatio	n		Micro
Date of test	2025-03-2	8 to 2025-04-02	
Test result Pass			
Prepared by:		Yanice.Xie	Yanice Xie
Reviewed by:		David Lee	Yanice Xie Dovid. Lee Lewis lian
Approved	by:	Lewis Lian	lewis lian



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### 1 General Description

### 1.1 Description of the EUT

Product name:	Wireless Charger
Model name:	WIA2WB36010393
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Input:DC 5V/3A,9V/3A,12V/2.5A Output Phone: 15W Max. Output TWS: 5W Max.
Accessories:	Cable: Type-C to Type-C 0.9m
Hardware version:	A
Software version:	0*89DC
Test sample(s) number:	MTi250311014-02-R001
RF specification	tes
Operating frequency range:	Coil 1: 115-205kHz(5W-10W) & 15W (360kHz) Coil 2: 115-205kHz
Modulation type:	ASK
Antenna(s) type:	Coil

#### 1.2 Description of test modes

No.	Emission test modes
Mode1	Wireless Output(Phone(5W)+TWS(5W))
Mode2	Wireless Output(Phone(7.5W)+TWS(5W))
Mode3	Wireless Output(Phone(10W)+TWS(5W))
Mode4	Wireless Output(Phone(MPP15W)+TWS(5W))
Mode5	Wireless Output(Phone(5W)
Mode6	Wireless Output(Phone(7.5W)
Mode7	Wireless Output(Phone(10W)
Mode8	Wireless Output(Phone(MPP15W)
Mode9	Wireless Output(TWS(5W)
Mode10	Standby



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#### 1.3 Environmental Conditions

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

		VIV 3-4-5/17
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			
wireless charging load	YBZ1.1	1	YBZ			
Air 2 Pro	TWSEJ09WM	2020DP4494	MI			
Air Pods	MQD83CH/A	- č. /	Apple			
Adapter	L338WC007-CS-R2	ione 1	ASAP Techhnology(Jiangxi) Co., Ltd.			
Support cable list						
Description	Length (m)	From	То			
/	/	/				

#### 1.5 Measurement uncertainty

	1/073 3831
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
	Ole	Conducted Emiss	ion at AC power	line		
1110	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2025-03- 13	2026-03- 12
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2025-03- 18	2026-03- 17
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2025-03- 18	2026-03- 17
		20dB Occup	ied Bandwidth		6.0	NOL_
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2025-03- 18	2026-03- 17
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB400512 40	2025-03- 14	2026-03- 13
3	PXA Signal Analyzer	Agilent	N9030A	MY513502 96	2025-03- 14	2026-03- 13
4	Synthesized Sweeper	Agilent	83752A	3610A019 57	2025-03- 18	2026-03- 17
5	MXA Signal Analyzer	Agilent	N9020A	MY501434 83	2025-03- 18	2026-03- 17
6	RF Control Unit	Tonscend	JS0806-1	19D80601 52	2025-03- 18	2026-03- 17
7	Band Reject Filter Group	Tonscend	JS0806-F	19D80601 60	2025-03- 18	2026-03- 17
8	ESG Vector Signal Generator	Agilent	N5182A	MY501437 62	2025-03- 14	2026-03- 13
9	DC Power Supply	Agilent	E3632A	MY400276 95	2025-03- 18	2026-03- 17
	Em	nissions in frequenc	y bands (below	30MHz)		
10	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2025-03- 14	2026-03- 13
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03- 23	2026-03- 22
3	Amplifier	Hewlett-Packard	8447F	3113A0618 4	2025-03- 18	2026-03- 17
	Em	issions in frequency	y bands (30MHz	- 1GHz)		
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2025-03- 14	2026-03- 13
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	2026-03- 22
4	Amplifier	Hewlett-Packard	8447F	3113A0618 4	2025-03- 18	2026-03- 17



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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.

#### 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)

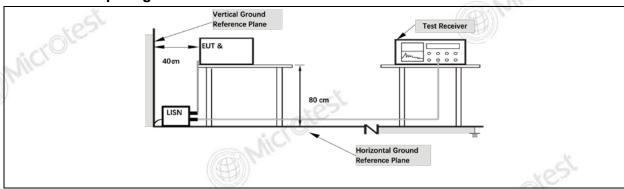
#### 6.1 Conducted Emission at AC power line

Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the publ (AC) power line, the radio frequency voltage that is conducted to onto the AC power line on any frequency or frequencies, within band 150 kHz to 30 MHz, shall not exceed the limits in the follotable, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN).					
Test Limit:	Frequency of emission (MHz) Conducted limit (dB		() ACT		
		Quasi-peak	Average		
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30 60 50				
12-	*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: 24.1 °C Humidity: 61 % Atmospheric Pressure: 100 kPa						100 kPa	
Pre test mode:		Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10					
Final test mode.		All of the listed pre-test mode were tested, only the data of the worst mode (Mode4) is recorded in the report					

#### 6.1.2 Test Setup Diagram:

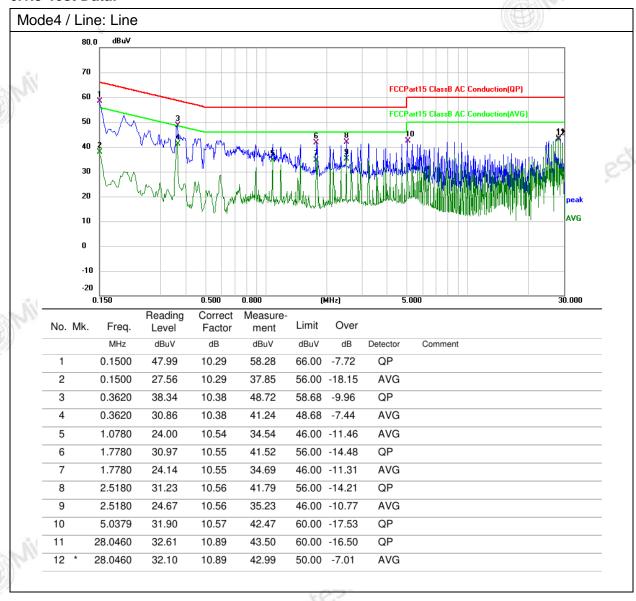




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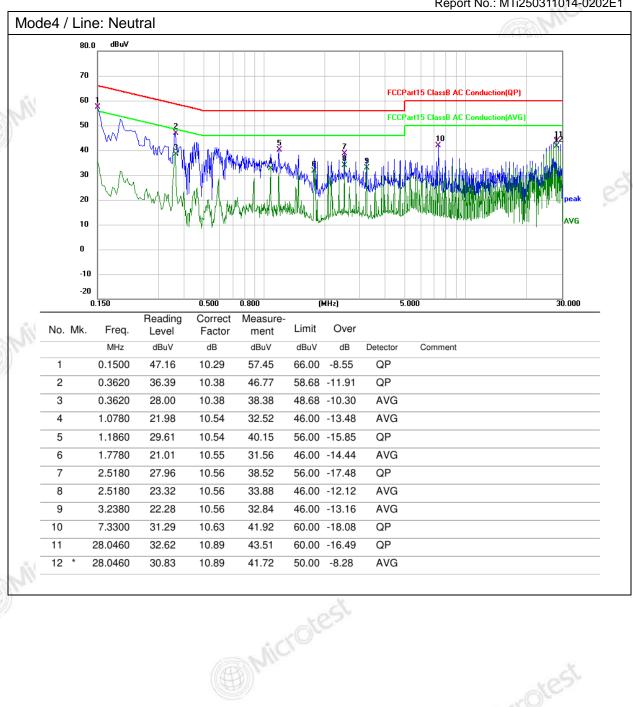
#### 6.1.3 Test Data:





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#### 6.2 20dB Occupied Bandwidth

Test Requirement:	47 CFR Part 15.215(c)			
Test Limit:		onal radiators operating under the		
Microfess	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	-016-		
Procedure:	a) The spectrum analyzer center from channel center frequency. The spatched spectrum analyzer shall be between OBW.	n range for the EMI receiver or en two times and five times the		
Microtest	1% to 5% of the OBW and video be approximately three times RBW, un applicable requirement. c) Set the reference level of the insignal from exceeding the maximum operation. In general, the peak of the instance of the insignal from exceeding the maximum operation.	nless otherwise specified by the strument as required, keeping the		
Microtest	<ul><li>d) Steps a) through c) might require specified tolerances.</li><li>e) The dynamic range of the instrumore than 10 dB below the target "</li></ul>	ment at the selected RBW shall be '-xx dB down" requirement; that is, ing the -20 dB OBW, the instrument all be at least 30 dB below the		
Mic	g) Determine the reference value: Summodulated carrier or modulated trace to stabilize. Set the spectrum level of the displayed trace (this is h) Determine the "-xx dB down am xx]. Alternatively, this calculation m delta function of the instrument. i) If the reference value is determine turn the EUT modulation ON, and a new trace on the spectrum analysis.	Set the EUT to transmit an signal, as applicable. Allow the analyzer marker to the highest the reference value). Inplitude" using [(reference value) – lay be made by using the marker-lay and unmodulated carrier, then either clear the existing trace or start zer and allow the new trace to		
Microtest	stabilize. Otherwise, the trace from j) Place two markers, one at the low highest frequency of the envelope each marker is at or slightly below determined in step h). If a marker is amplitude" value, then it shall be as The occupied bandwidth is the free markers. Alternatively, set a marke envelope of the spectral display, subelow the "-xx dB down amplitude"	west frequency and the other at the of the spectral display, such that the "-xx dB down amplitude" s below this "-xx dB down s close as possible to this value. quency difference between the two r at the lowest frequency of the uch that the marker is at or slightly		



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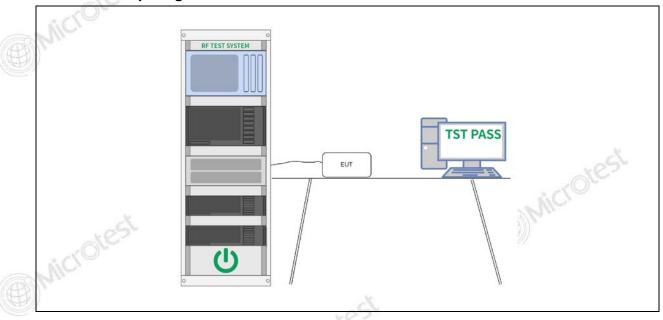
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marker-delta function and move the marker to the other side of the
emission until the delta marker amplitude is at the same level as the
reference marker amplitude. The marker-delta frequency reading at
this point is the specified emission bandwidth.
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:

					34	
Operating Env	ironment:	(AP)			10S	
Temperature:	24.6 °C	Humidity:	45.2 %	Atmospheric Pressure:	99 kPa	
Pre test mode:		Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10				
Final test mode				e were tested, only the date e9) is recorded in the repo		

#### 6.2.2 Test Setup Diagram:





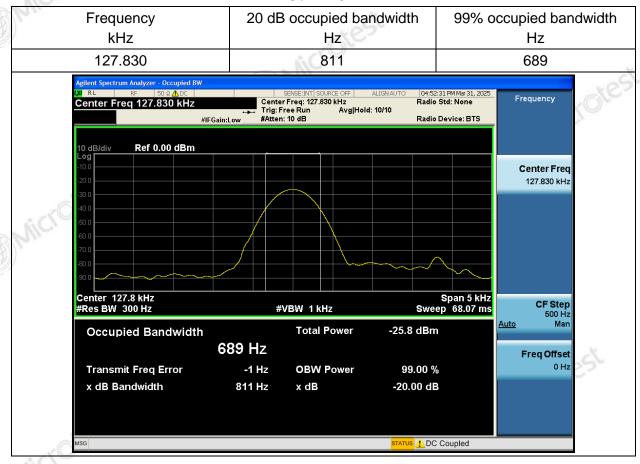
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#### 6.2.3 Test Data:

**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 1-10W



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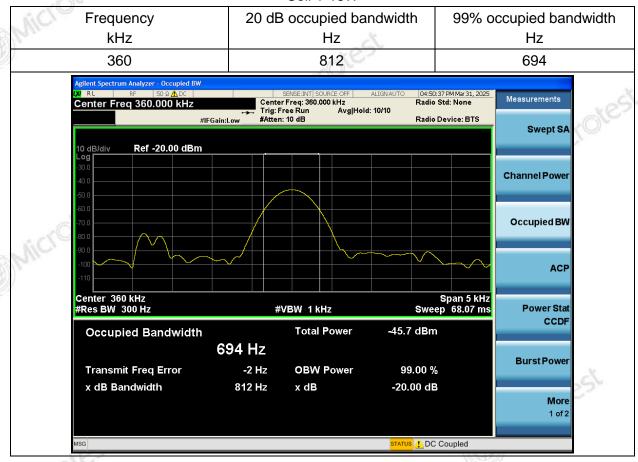


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**Note:** Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Coil 1-15W



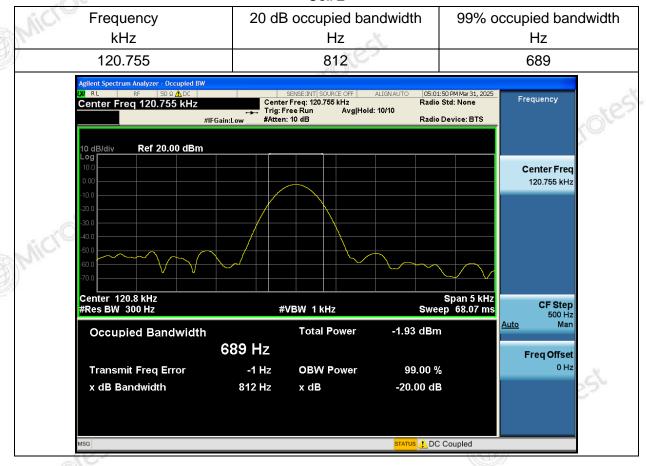


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**Note:** Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Coil 2





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

Test Requirement:	47 CFR Part 15.209	(((母)))	
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)
Mr.	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
Microtest Microtest	permitted under other. In the emission table a The emission limits showed measurements employ frequency bands 9–90 Radiated emission limit measurements employ As shown in § 15.35(b) strength limits in paragaverage limits. However, not exceed the maximum more than 20 dB under operation under paragarage.	peration within these frequent sections of this part, e.g., §§ bove, the tighter limit applies own in the above table are bying a CISPR quasi-peak defector, these three bands are bying an average detector. (a), for frequencies above 100 graphs (a) and (b) of this section, the peak field strength of the permitted average limits or any condition of modulation raph (b) of this section, the pemillivolts/meter at 3 meters are	15.231 and 15.241. s at the band edges. ased on tector except for the ve 1000 MHz. based on 0 MHz, the field on are based on any emission shall specified above by n. For point-to-point eak field strength
Test Method:	ANSI C63.10-2013 sec	ction 6.4	
Procedure:	ANSI C63.10-2013 sed	ction 6.4	

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

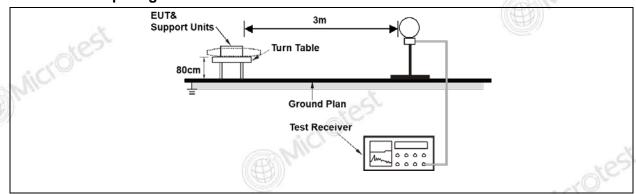
Operating Environment:						
Temperature:	Temperature: 22.5 °C Humidity: 43 % Atmospheric Pressure: 98 kPa					
Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10					7, Mode8,	
Final test mode.			•		e were tested, only the dat corded in the report	a of the worst



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#### 6.3.2 Test Setup Diagram:



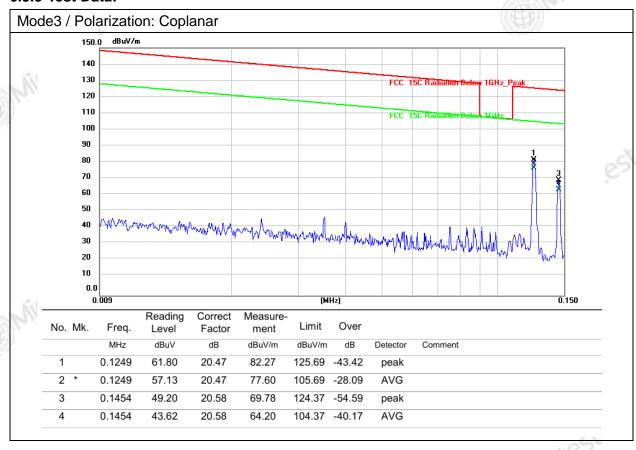




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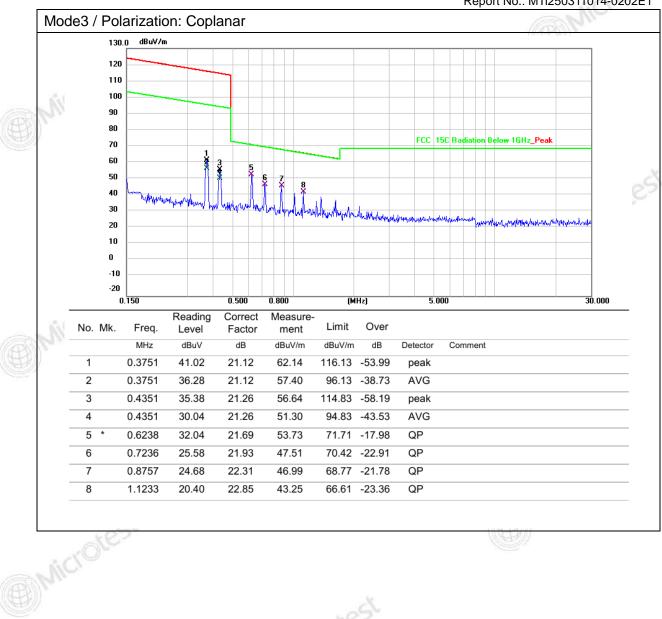
#### 6.3.3 Test Data:





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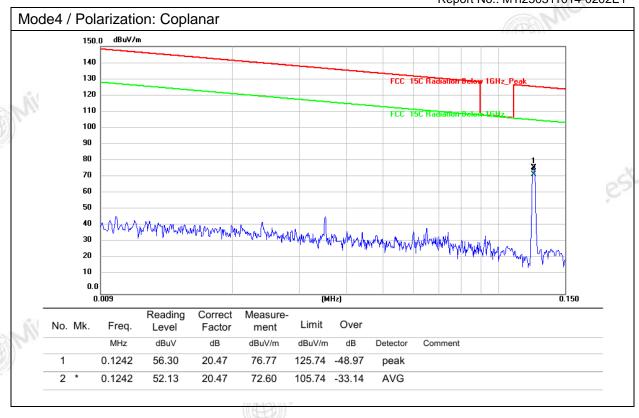




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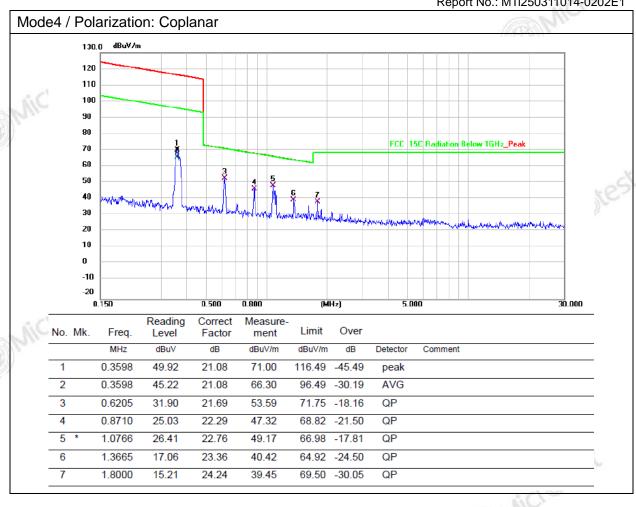
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#### 6.4 Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)
Me	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
Microtest Microtest	permitted under other in the emission table a The emission limits shown measurements employ frequency bands 9–90 Radiated emission limit measurements employ As shown in § 15.35(b) strength limits in paragaverage limits. However, not exceed the maximum more than 20 dB under operation under paragare.	reration within these frequent sections of this part, e.g., §§ bove, the tighter limit applies own in the above table are bring a CISPR quasi-peak detact, 110–490 kHz and above the section of the section of the peak field strength of the	15.231 and 15.241. s at the band edges. ased on ector except for the ve 1000 MHz. based on 0 MHz, the field on are based on any emission shall specified above by a For point-to-point eak field strength
Test Method:	ANSI C63.10-2013 sed	ction 6.5	
Procedure:	ANSI C63.10-2013 sed	ction 6.5	

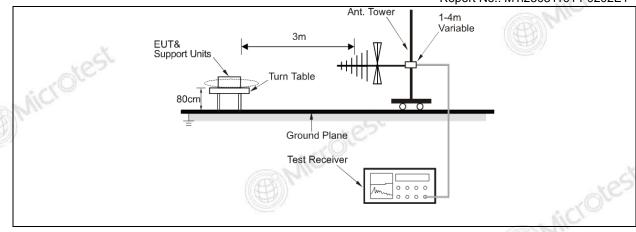
### 6.4.1 E.U.T. Operation:

Operating Environment:						
Temperature:	22.8 °C		Humidity:	65 %	Atmospheric Pressure:	101 kPa
Pre test mode:		Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10				
Final test mode.		All of the listed pre-test mode were tested, only the data of the worst mode (Mode4) is recorded in the report				

#### 6.4.2 Test Setup Diagram:



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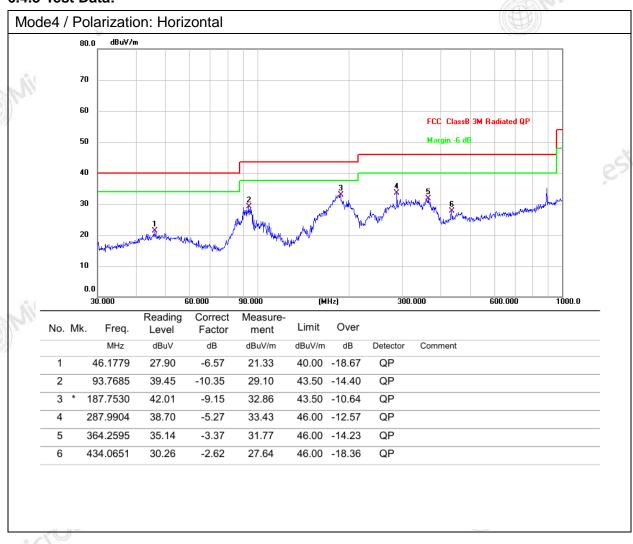




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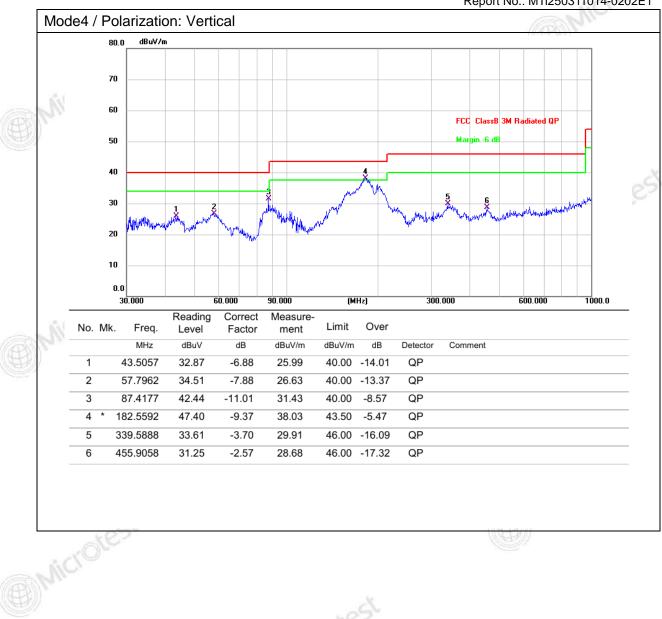
#### 6.4.3 Test Data:





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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















Q/MTI-QP-12-FE038



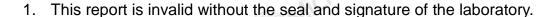
Tel: 0755-88850135-1439

Q/MTI-QP-12-FE038

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- This report is invalid if transferred, altered or tampered with in any form without 4. authorization.
- The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
- 6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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

Mobile: 131-4343-1439 (Wechat same number)