

Test Report

Report No. : MTi250219007-0503E1

Date of issue : 2025-04-23

Applicant: **OXAA** Corp.

Product : 3-in-1 Adjustable Wireless Charging Stand

Model(s) : OXWC1290, OXWC2290

FCC ID : 2BNYA-OXWC1290

Shenzhen Microtest Co., Ltd.



Microfest

TEST REPORT

Report No.: MTi250219007-0503E1

Mhicrotest

Table of contents

			X	
			Table of contents	
	0.0	CLO		
(AP)	1	Gene	eral Description	4
(ATA)		1.1	Description of the EUT	4
		1.2	Description of test modes	
		1.3	Environmental Conditions	
		1.4	Description of support units	6
		1.5	Measurement uncertainty	6
	2	Sum	mary of Test Result	7
	3	Test	Facilities and accreditations	8
		3.1	Test laboratory	8
	4.	List	of test equipment	9
	5		uation Results (Evaluation)	10
		5.1	Antenna requirement	10
	6	Radi	o Spectrum Matter Test Results (RF)	11
		6.1	Conducted Emission at AC power line	11
		6.2	20dB Occupied Bandwidth	14
		6.3	Emissions in frequency bands (below 30MHz)	19
		6.4	Emissions in frequency bands (30MHz - 1GHz)	
	Ph	otogra	aphs of the test setup	27
	Ph	otogra	aphs of the EUT	28
			.05	
		CLO		
			*e5\	



Report No.: MTi250219007-0503E1

Test Result Certification	1					
Applicant	OXAA	Corp.				
Applicant Address	6-3545 Odyssey Dr, Mississauga, ON L5M 2S4, Canada					
Manufacturer	OXAA	Corp.	4			
Manufacturer Address	6-3545	6-3545 Odyssey Dr, Mississauga, ON L5M 2S4, Canada				
Factory	Shenzh	Shenzhen Aodehong Electronic Technology Co., Ltd.				
Factory Address		n Floor, Elegant Industrial Park, No.8 Liuhe Road, Liuyue, engguang Street, Longgang District, Shenzhen, China				
Product description						
Product name	3-in-1 A	Adjustable Wireless Chargir	g Stand			
Trademark	OXAA					
Model name	oxwo	1290				
Series Model(s)	OXWC2290					
Standards	47 CFF	R Part 15C	Micro			
Test Method	ANSI C	C63.10-2013				
Testing Information						
Date of test	2025-0	2-27 to 2025-03-15				
Test result	Pass	BANICI	4			
Prepared by:		Letter Lan	Letter. Lan.			
Reviewed by:		David Lee	David. Lee			
Approved by:		Lewis Lian	Dowid. Lee Lewis lian			



Report No.: MTi250219007-0503E1

1 General Description

1.1 Description of the EUT

1.1 Description of the	
Product name:	3-in-1 Adjustable Wireless Charging Stand
Model name:	OXWC1290
Series Model(s):	OXWC2290
Model difference:	All the models are the same circuit and module, except the model name and color.
Electrical rating:	Input: QC/PD 18W Min Type-C Output(Smart Phone): 5W/7.5W/10W/15W Output(Earbuds): 5W Output(Smart Watch): 2.5W
Accessories:	Cable: Type-C to Type-C cable 1.5m
Hardware version:	1.0
Software version:	1.0
Test sample(s) number:	MTi250219007-05-R001
RF specification	
Operating frequency range:	Smart Phone: 115-205kHz Earbuds: 115-205kHz Smart Watch: 300-350kHz
Modulation type:	ASK
Antenna(s) type:	Coil

1.2 Description of test modes

	(The state of the		
No.	Emission test modes		
Mode1	Wireless output(5W)+Earbuds(5W)+Watch(3W)		
Mode2	Wireless output(7.5W)+Earbuds(5W)+Watch(3W)		
Mode3	Wireless output(10W)+Earbuds(5W)+Watch(3W)		
Mode4	Wireless output(15W)+Earbuds(5W)+Watch(3W)		
Mode5	Wireless output(5W)+Earbuds(5W)		
Mode6	Wireless output(7.5W)+Earbuds(5W)		
Mode7	Wireless output(10W)+Earbuds(5W)		
Mode8	Wireless output(15W)+Earbuds(5W)		
Mode9	Wireless output(5W)+Watch(3W)		
Mode10	Wireless output(7.5W)+Watch(3W)		
Mode11	Wireless output(10W)+Watch(3W)		
Mode12	Wireless output(15W)+Watch(3W)		
Mode13	Earbuds(5W)+Watch(3W)		



Microlest

Microfest

TEST REPORT

Report No.: MTi250219007-0503E1

Microlest

Microtest

Mode14	Wireless output(5W)
Mode15	Wireless output(7.5W)
Mode16	Wireless output(10W)
Mode17	Wireless output(15W)
Mode18	Wireless Watch(3W)
Mode19	Wireless Earbuds(5W)
Mode20	Stand by



Report No.: MTi250219007-0503E1

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

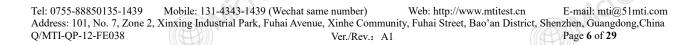
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support equipmen	t list		NCLO,
Description	Model	Serial No.	Manufacturer
Lenovo USB-C adapter	C65B	1SGX21B35621Z13F1D4W	Lenovo
Mobile phone	iPhone 12	F17DMBNE0DYM	Apple
Air Pods	MQD83CH/A	"85V	Apple
watch	Apple watch S7	M0JVGQG1VP	Apple
Support cable list		Mile	
Description	Length (m)	From	То
/	/	1	1,05%

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.





Microtest

TEST REPORT

Report No.: MTi250219007-0503E1

Microtest

Microtest

2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Antenna requirement	47 CFR Part 15C	47 CFR Part 15.203	Pass
2	Conducted Emission at AC power line	47 CFR Part 15C	47 CFR Part 15.207(a)	Pass
3	20dB Occupied Bandwidth	47 CFR Part 15C	47 CFR Part 15.215(c)	Pass
4	Emissions in frequency bands (below 30MHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass
5	Emissions in frequency bands (30MHz - 1GHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass

Microfest



Mhici otest

TEST REPORT

Report No.: MTi250219007-0503E1

Microfest

Microtest

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
Nu.	Microtest



Report No.: MTi250219007-0503E1

4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
ri C	COL	Conducted Emiss	ion 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		, K	CLO
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 En	nissions in frequenc	y bands (below	30MHz)	3	
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
	Em	issions in frequency	y 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



Report No.: MTi250219007-0503E1

Microtest

Microtest

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:

Microtest

The antenna of the EUT is permanently attached.

The EUT complies with the requirement of FCC PART 15.203.



Report No.: MTi250219007-0503E1

Radio Spectrum Matter Test Results (RF) 6

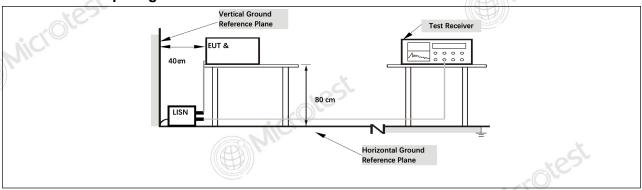
Conducted Emission at AC power line

Microtes	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				
Test Requirement:	the AC power line on any freque kHz to 30 MHz, shall not exceed measured using a 50 µH/50 ohm (LISN).	ncy or frequencies, withing the limits in the following	n the band 150 g table, as		
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		
i set	*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. Operati	on:				
On a nation of Francisco con-	*()				

6.1.1 E.U.T. Operation:

Operating Environment:								
Temperature:	25.9 °C	C F	lumidity:	44 %		Atmospheric P	ressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Pre test mode: Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20							
Final test mode			pre-test m		vere tested, onl ne report	ly the data	of the worst	

6.1.2 Test Setup Diagram:



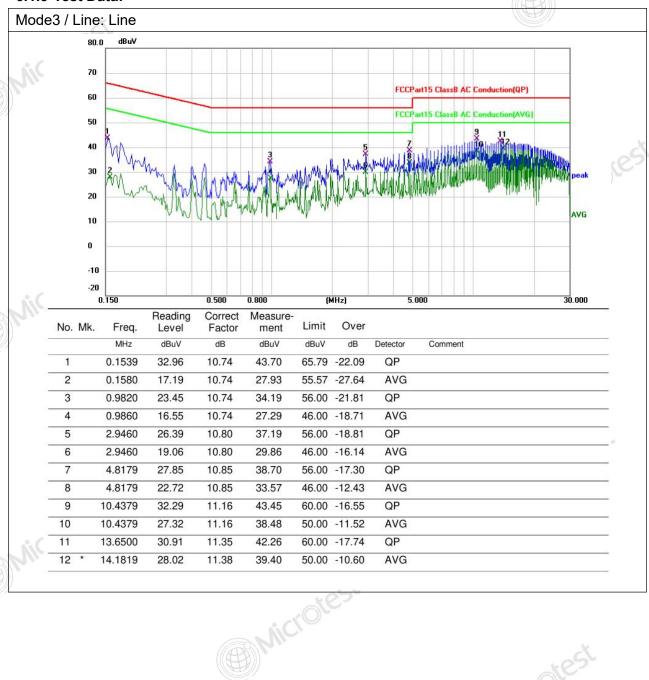


TEST REPORT

Report No.: MTi250219007-0503E1

Microtest

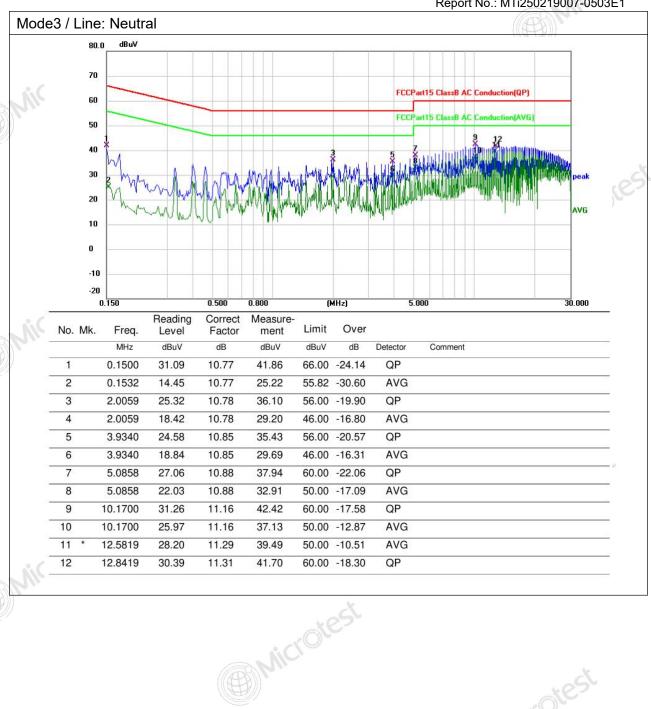
6.1.3 Test Data:





TEST REPORT

Report No.: MTi250219007-0503E1





Report No.: MTi250219007-0503E1

6.2 20dB Occupied Bandwidth

6.2 20dB Occupie		
Test Requirement:	47 CFR Part 15.215(c)	
Test Limit:	Refer to 47 CFR 15.215(c), intention alternative provisions to the general 15.217 through 15.257 and in subpato ensure that the 20 dB bandwidth bandwidth may otherwise be specific which the equipment operates, is codesignated in the rule section under	emission limits, as contained in §§ art E of this part, must be designed of the emission, or whatever ed in the specific rule section under ntained within the frequency band
Test Method:	ANSI C63.10-2013, section 6.9.2	Le re-
Procedure:	a) The spectrum analyzer center free channel center frequency. The span spectrum analyzer shall be between b) The nominal IF filter bandwidth (3 1% to 5% of the OBW and video bar approximately three times RBW, unleading the spectrum of the company of the compan	range for the EMI receiver or two times and five times the OBW. dB RBW) shall be in the range of ndwidth (VBW) shall be ess otherwise specified by the
Mici	 c) Set the reference level of the instr signal from exceeding the maximum operation. In general, the peak of the than [10 log (OBW/RBW)] below the is given in 4.1.5.2. d) Steps a) through c) might require specified tolerances. 	input mixer level for linear e spectral envelope shall be more reference level. Specific guidance
Microtest	e) The dynamic range of the instrum more than 10 dB below the target "— the requirement calls for measuring noise floor at the selected RBW shall reference value. f) Set detection mode to peak and trag) Determine the reference value: So unmodulated carrier or modulated si to stabilize. Set the spectrum analyzed displayed trace (this is the reference h) Determine the "—xx dB down amp xx]. Alternatively, this calculation may delta function of the instrument. i) If the reference value is determined turn the EUT modulation ON, and either new trace on the spectrum analyzer Otherwise, the trace from step g) shall require the second representation of the instrument.	xx dB down" requirement; that is, if the -20 dB OBW, the instrument II be at least 30 dB below the acc mode to max hold. The et the EUT to transmit an ignal, as applicable. Allow the trace for marker to the highest level of the evalue). Situde" using [(reference value) - y be made by using the marker-d by an unmodulated carrier, then ther clear the existing trace or start a and allow the new trace to stabilize. all be used for step j).
Microtest	j) Place two markers, one at the lower highest frequency of the envelope of marker is at or slightly below the "-xx step h). If a marker is below this "-xx shall be as close as possible to this the frequency difference between the marker at the lowest frequency of the such that the marker is at or slightly determined in step h). Reset the marker to the other side of the emissis at the same level as the reference	f the spectral display, such that each a dB down amplitude" determined in a dB down amplitude" value, then it value. The occupied bandwidth is e two markers. Alternatively, set a e envelope of the spectral display, below the "-xx dB down amplitude" rker-delta function and move the sion until the delta marker amplitude



Report No.: MTi250219007-0503E1

Microtest

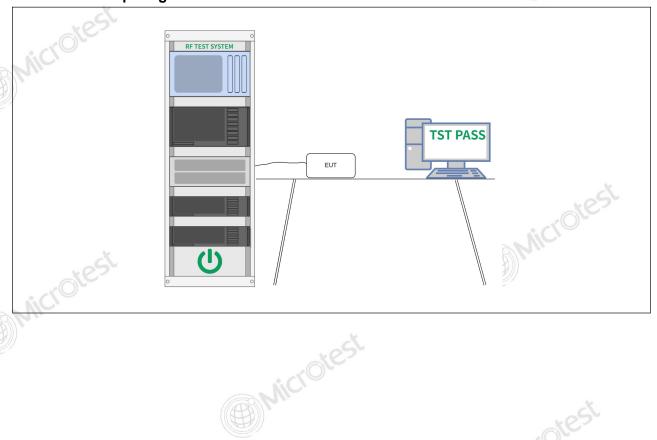
delta frequency reading at this point is the specified emission bandwidth.
k) The occupied bandwidth shall be reported by providing plot(s) of the
measuring instrument display; the plot axes and the scale units per
division shall be clearly labeled. Tabular data may be reported in
addition to the plot(s).

6.2.1 E.U.T. Operation:

Operating Environment:							
Temperature: 2.6 °C		;	Humidity:	48.5 %	Atmospheric Pressure:	101 kPa	
Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode20							
Final test mode: All of the listed pre-test mode were tested, only the data of the mode (Mode17, Mode18, Mode19) is recorded in the report							
C 2 2 Test Setup Disagrams							

6.2.2 Test Setup Diagram:

Microlest





Report No.: MTi250219007-0503E1

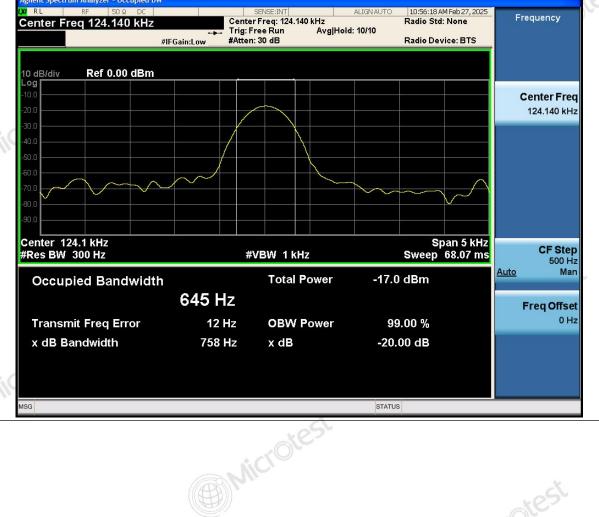
Microtest

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.

Phone

Frequency 20 kHz		0 dB occupied ba Hz	andwidth	99% occupied bandwidth Hz		
124.14		758			645	_\
Agilent Spectrum Analyzer - Occupied BY (XI RL RF 50 Q DC Center Freq 124.140 kHz	#IFGain:Low	SENSE:INT Center Freq: 124.140 kHz Trig: Free Run Avg #Atten: 30 dB	ALIGNAUTO	10:56:18 AM Feb 27, 2025 Radio Std: None Radio Device: BTS	Frequency	res





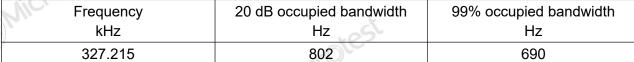
Report No.: MTi250219007-0503E1

Microtest

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.

Watch

Microfest







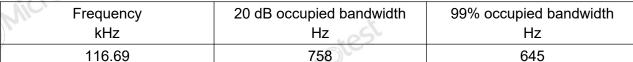
TEST REPORT

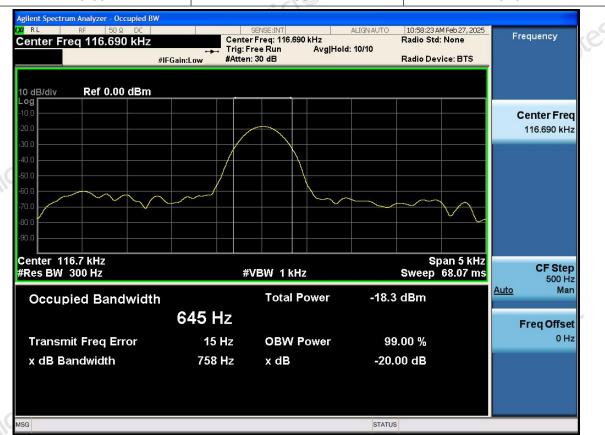
Report No.: MTi250219007-0503E1

Microtest

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.

EarBuds







Report No.: MTi250219007-0503E1

6.3 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209		(Amba)
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
Microtest	In the emission table at The emission limits sho measurements employ frequency bands 9–90 Radiated emission limit measurements employ As shown in § 15.35(b) strength limits in paragraverage limits. However not exceed the maximumore than 20 dB under operation under paragr	this part, e.g., §§ 15.231 and pove, the tighter limit applies own in the above table are being a CISPR quasi-peak detackHz, 110–490 kHz and above in these three bands are being an average detector. If or frequencies above 1000 raphs (a) and (b) of this section, the peak field strength of a many condition of modulation aph (b) of this section, the penallivolts/meter at 3 meters a modulation aph (b) of this section, the penallivolts/meter at 3 meters a	s at the band edges. ased on ector except for the re 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 sec	tion 6.4	
Procedure:	ANSI C63.10-2013 sec	tion 6.4	

6.3.1 E.U.T. Operation:

Microlest

Operating Environment:							
Temperature:	22.5 °C	Humidity:	43 %	Atmospheric Pressure:	101 kPa		
Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20							
Final test mode	<u> </u>	l of the listed po ode (Mode4) is		e were tested, only the data n the report	of the worst		



Mhiiciotest

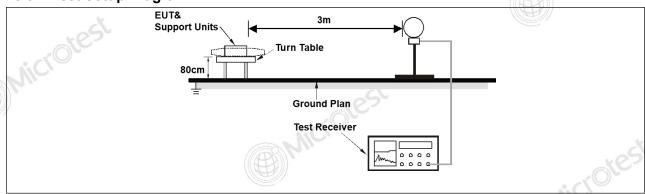
TEST REPORT

Report No.: MTi250219007-0503E1

Microtest

Microtest

6.3.2 Test Setup Diagram:





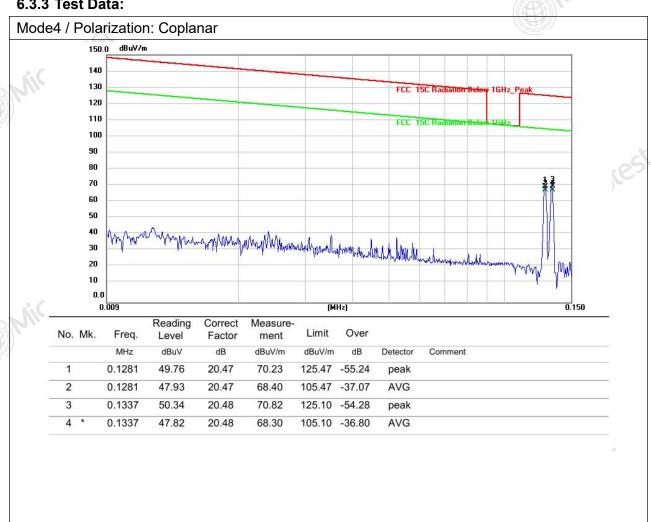
Microfest

TEST REPORT

Report No.: MTi250219007-0503E1

Microtest

6.3.3 Test Data:

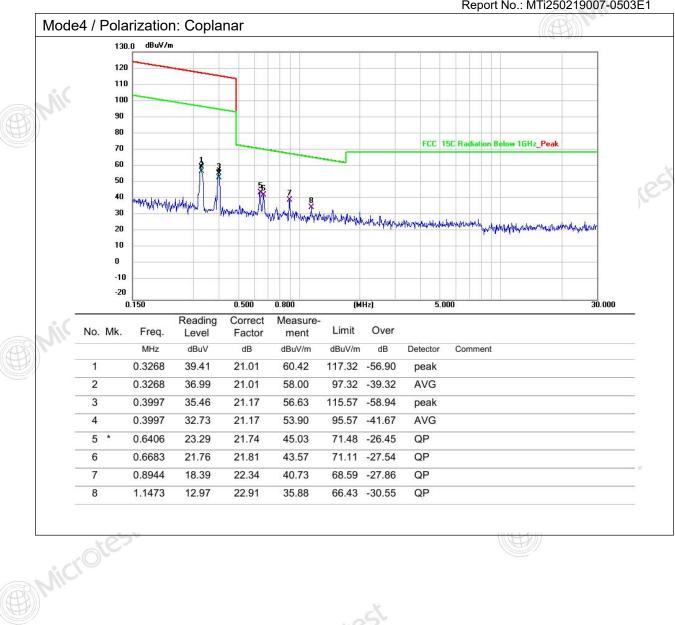




Miciolesi **TEST REPORT**

Report No.: MTi250219007-0503E1

Mhicrotest





Report No.: MTi250219007-0503E1

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

Test Requirement:	47 CFR Part 15.209		(A-A)
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)
N	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	In the emission table at The emission limits shot 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 paragr	this part, e.g., §§ 15.231 and bove, the tighter limit applies own in the above table are being a CISPR quasi-peak det kHz, 110–490 kHz and above is in these three bands are being an average detector. In for frequencies above 1000 raphs (a) and (b) of this section, the peak field strength of a many condition of modulation raph (b) of this section, the permillivolts/meter at 3 meters a millivolts/meter at 3 meters a	s at the band edges. ased on ector except for the re 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 sec	tion 6.5	
Procedure:	ANSI C63.10-2013 sec	tion 6.5	
Procedure:	ANSI C63.10-2013 sec	tion 6.5	

6.4.1 E.U.T. Operation:

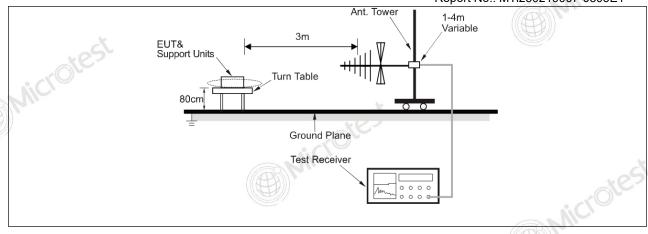
Operating Environment:								
Temperature:		Humidity:	34 %	Atmospheric Pressure:	101 kPa			
Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode16, Mode17, Mode18, Mode19, Mode20								
Final test mode			re-test mode recorded in	e were tested, only the data the report	of the worst			

6.4.2 Test Setup Diagram:



TEST REPORT

Report No.: MTi250219007-0503E1







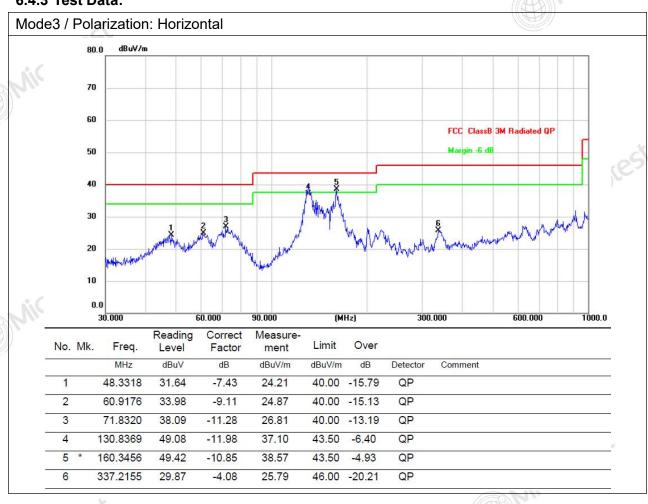


TEST REPORT

Report No.: MTi250219007-0503E1

Microtest

6.4.3 Test Data:

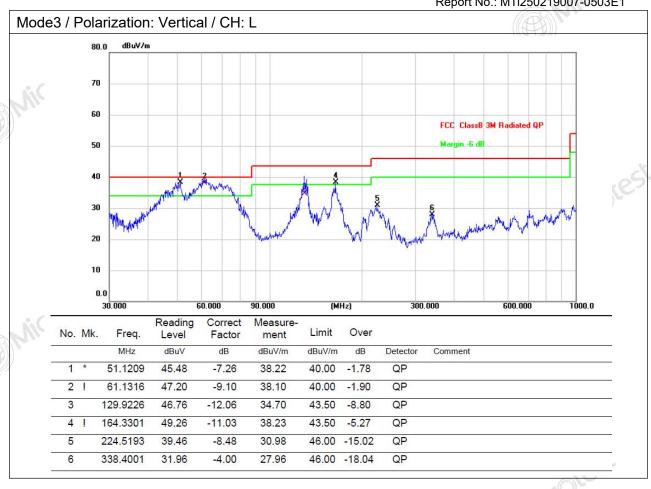




TEST REPORT

Report No.: MTi250219007-0503E1

Microtest





TEST REPORT

Microtest

Report No.: MTi250219007-0503E1

Microfest

Microtest

Microtest

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Microtest



Report No.: MTi250219007-0503E1

Photographs of the EUT

Refer to Appendix - EUT Photos

MNicrotest

Microfest

Microtest

Microtest

Microtest

Microtest



Report No.: MTi250219007-0503E1



- This report is invalid without the seal and signature of the laboratory.
- 2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
- 3. The report shall not be partially reproduced without the written consent of the Laboratory.
- 4. This report is invalid if transferred, altered or tampered with in any form without 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.