

Test Report

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Report No. : MTi250301001-0203E1

Date of issue : 2025-03-27

Applicant : RADIOSHACK WORLDWIDE CORP.

Product : Magnetic Wireless Car Charger

Model(s) : 2733367

FCC ID : 2BDUR-2733366

Shenzhen Microtest Co., Ltd.



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	30	otest (B) Million	
	V _{IC}	Lost.	

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Test Result Certific	ation				
Applicant	Applicant RADIOSHACK WORLDWIDE CORP.				
Applicant Address		Tower, 18th floor Paseo Gener	al Escalon Number 3675 Col.		
Manufacturer	RADIOSH	ACK WORLDWIDE CORP.			
Manufacturer Address		Tower, 18th floor Paseo Gener an Salvador El Salvador	al Escalon Number 3675 Col.		
Product descriptio	n		anicro.		
Product name	Magnetic V	Vireless Car Charger	((4))		
Trademark	N/A				
Model name	2733367				
Series Model(s)	N/A	"C'OLC			
Standards	47 CFR Pa	art 15C			
Test Method	ANSI C63.10-2013				
Testing Information	n		iiCl ^{Oite}		
Date of test	2025-03-22	2 to 2025-03-25			
Test result	Pass				
Prepared b	y:	Letter Lan	Letter. Lan.		
Reviewed by: Approved by:		David Lee	Dowid. Lee lewis lian		
		Lewis Lian	lewis liam		



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1 General Description

1.1 Description of the EUT

Product name:	Magnetic Wireless Car Charger
Model name:	2733367
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Input: 5VDC 2A, 9VDC 1.5- 2A Output: 5W, 7.5W, 10W, 15W
Accessories:	N/A
Hardware version:	V1.0
Software version:	V1.0
Test sample(s) number:	MTi250301001-02-R001
RF specification	
Operating frequency range:	115-205kHz
Modulation type:	ASK
Antenna(s) type:	Coil

1.2 Description of test modes

No.	Emission test modes
Mode1	Wireless Output(5W)
Mode2	Wireless Output(7.5W)
Mode3	Wireless Output(10W)
Mode4	Wireless Output(15W)
Mode5	Standby
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1.3 Environmental Conditions

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

Temperature:	15°C ~ 35°C	((((+1)))
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
MI CHARGE(33W)	MDY-11-EX	SA623116200029J	МІ
wireless charging load	YBZ1.1	/	YBZ
Support cable list			
Description	Length (m)	From	То
1	/	1	/

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	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



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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
	Equipmont					
	erce,	Conducted Emiss	ion at AC power	line		
16	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			tes
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)	MICIO	<i>*</i>
1	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.
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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)

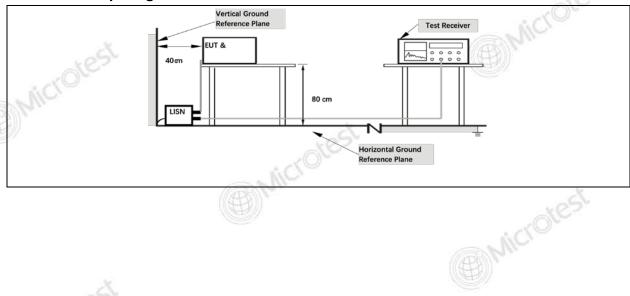
6.1 Conducted Emission at AC power line

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)		V)		
		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:

1/11							
Operating Environment:							
Temperature:	21.3 °	Č	Humidity:	41 %	Atmospheric Pressure:	100 kPa	
Pre test mode:		Mode1, Mode2, Mode3, Mode4, Mode5					
Final test mode	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report						

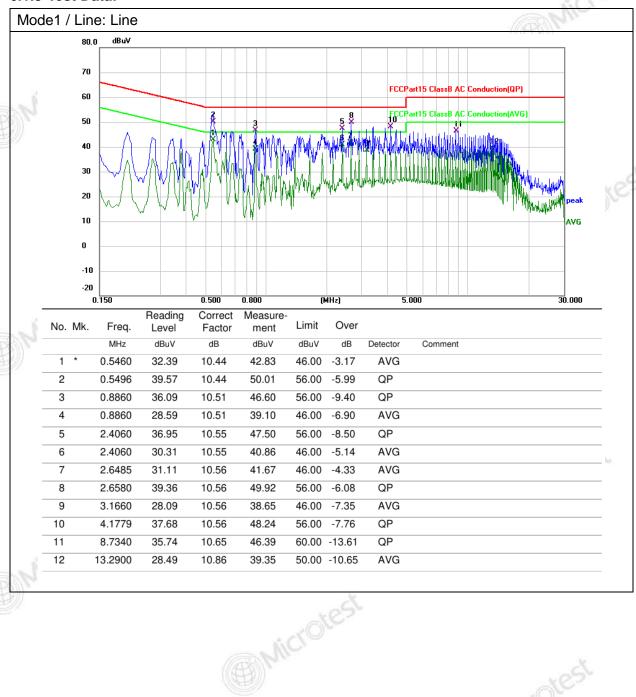
6.1.2 Test Setup Diagram:





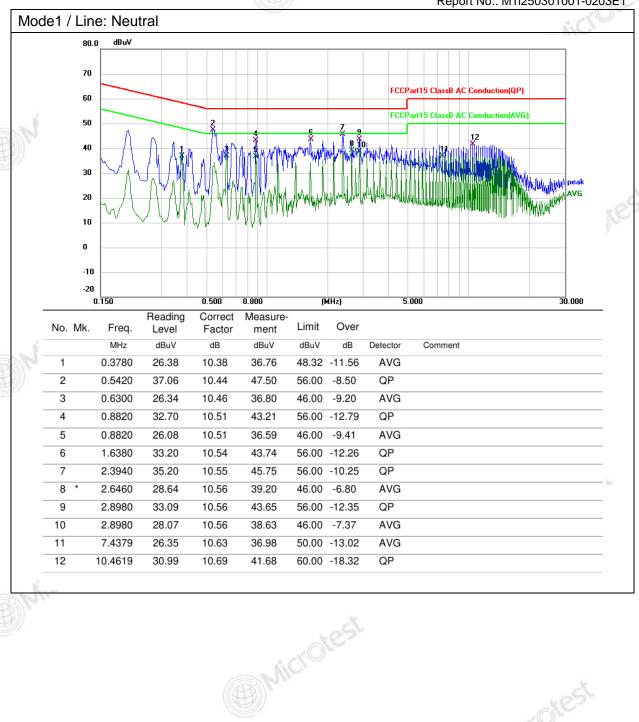
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6.1.3 Test Data:





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6.2 20dB Occupied Bandwidth

Test Requirement:	47 CFR Part 15.215(c)	Micr
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators of alternative provisions to the general emission limit 15.217 through 15.257 and in subpart E of this part to ensure that the 20 dB bandwidth of the emission bandwidth may otherwise be specified in the specified which the equipment operates, is contained band designated in the rule section under which the operated.	its, as contained in §§ art, must be designed on, or whatever cific rule section d within the frequency
Test Method:	ANSI C63.10-2013, section 6.9.2	
Procedure:	 a) The spectrum analyzer center frequency is set channel center frequency. The span range for the spectrum analyzer shall be between two times an OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall to 5% of the OBW and video bandwidth (VBW approximately three times RBW, unless otherwise 	e EMI receiver or and five times the sall be in the range of V) shall be
Micro	applicable requirement. c) Set the reference level of the instrument as requirement from exceeding the maximum input mixer to operation. In general, the peak of the spectral environment of the spect	quired, keeping the evel for linear velope shall be more vel. Specific guidance
Microtest	specified tolerances. e) The dynamic range of the instrument at the selemore than 10 dB below the target "-xx dB down" if the requirement calls for measuring the -20 dB noise floor at the selected RBW shall be at least 3 reference value. f) Set detection mode to peak and trace mode to g) Determine the reference value: Set the EUT to unmodulated carrier or modulated signal, as applitrace to stabilize. Set the spectrum analyzer mark level of the displayed trace (this is the reference wh) Determine the "-xx dB down amplitude" using [xx]. Alternatively, this calculation may be made by delta function of the instrument. i) If the reference value is determined by an unmoturn the EUT modulation ON, and either clear the	ected RBW shall be requirement; that is, OBW, the instrument 30 dB below the max hold. transmit an icable. Allow the cer to the highest value). [(reference value) – v using the marker-bodulated carrier, then
Microtest	a new trace on the spectrum analyzer and allow the stabilize. Otherwise, the trace from step g) shall be j) Place two markers, one at the lowest frequency highest frequency of the envelope of the spectral each marker is at or slightly below the "-xx dB down determined in step h). If a marker is below this "-x amplitude" value, then it shall be as close as possed the occupied bandwidth is the frequency different markers. Alternatively, set a marker at the lowest envelope of the spectral display, such that the material below the "-xx dB down amplitude" determined in	he new trace to be used for step j). If and the other at the display, such that wn amplitude" exx dB down sible to this value. In the display of the arker is at or slightly



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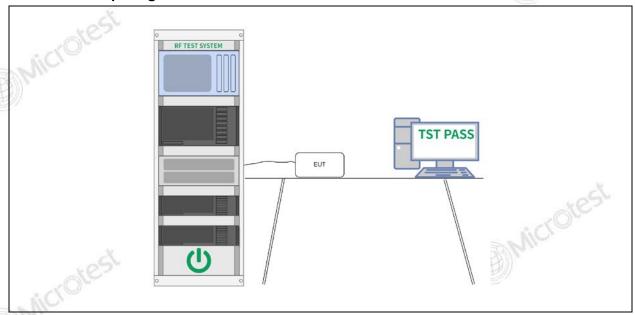
marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

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:

Operating Env	erating Environment:								
Temperature:	25.3 °	С	Humidity:	56 %	Atmospheric Pressure:	101 kPa			
Pre test mode:		Mode1, Mode2, Mode3, Mode4, Mode5							
Final test mode	All of the listed pre-test mode were tested, only the data of the worst mode (Mode3) is recorded in the report								

6.2.2 Test Setup Diagram:



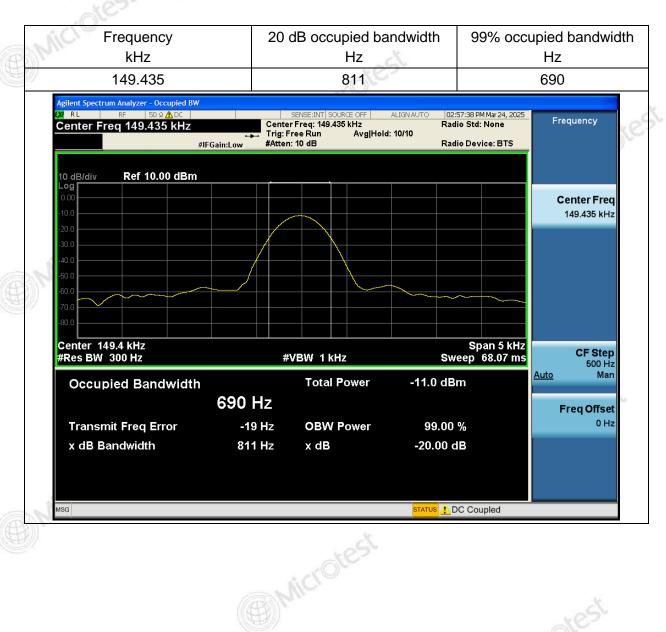
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6.2.3 Test Data:

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.





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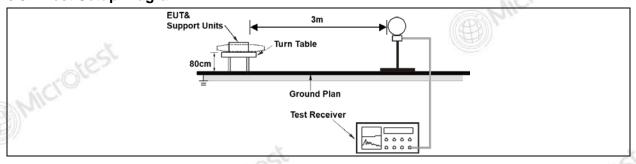
6.3 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209		MAN
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)
	0.009-0.490	2400/F(kHz)	300
MIC.	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	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.	peration 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 det kHz, 110–490 kHz and above to in these three bands are bring 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 permillivolts/meter at 3 meters are	15.231 and 15.241 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 sec	ction 6.4	3))
Procedure:	ANSI C63.10-2013 sec	ction 6.4	

6.3.1 E.U.T. Operation:

Operating Env	Operating Environment:							
Temperature:	22.5 °C		Humidity:	43 %	Atmospheric Pressure:	101 kPa		
Pre test mode:	Pre test mode: Mod			Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode	FINALTAST MANA.			re-test mode s recorded in	were tested, only the dat the report	a of the worst		

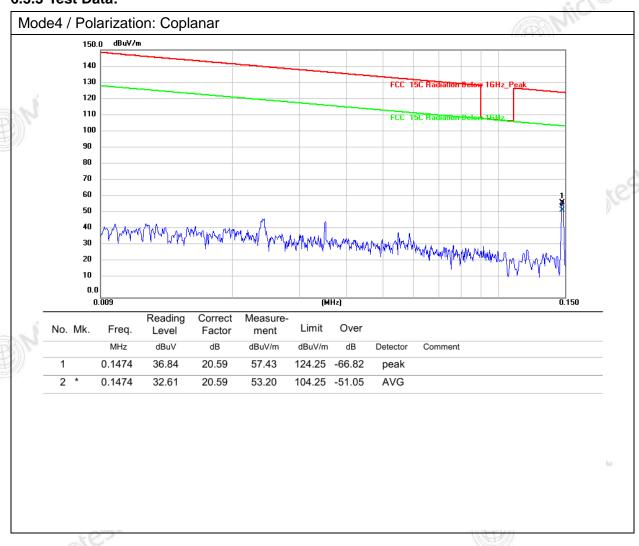
6.3.2 Test Setup Diagram:





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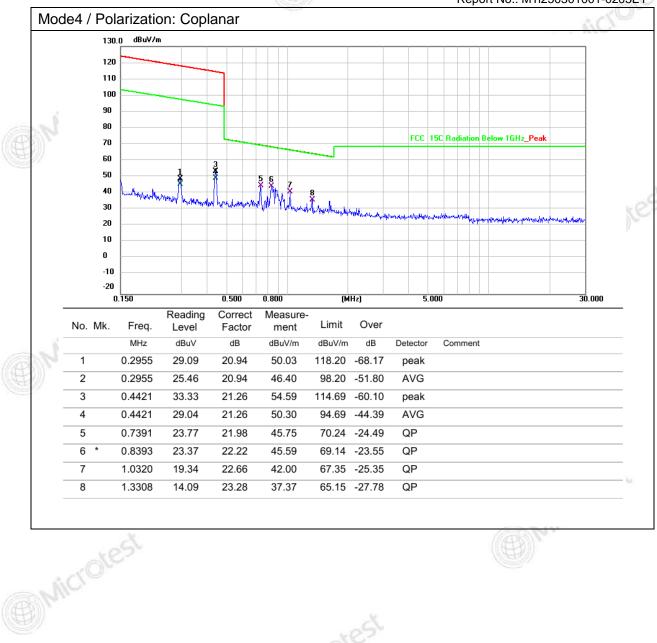
6.3.3 Test Data:



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

Test Requirement:	47 CFR Part 15.209		MAN
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measuremen t distance (meters)
	0.009-0.490	2400/F(kHz)	300
MIC.	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	permitted under other. In the emission table at The emission limits show 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.	peration within these frequence sections of this part, e.g., §§ bove, the tighter limit applies own in the above table are bying a CISPR quasi-peak det kHz, 110–490 kHz and above its in these three bands are bying an average detector. (a), for frequencies above 1000 graphs (a) and (b) of this section, the peak field strength of a cum permitted average limits or any condition of modulation raph (b) of this section, the peak field strength of a cumple with the peak field strength (b) of this section, the peak field strength (b) of this section and the peak field strength (b) of this section and the peak field strength (b) of this section and the peak field strength (c) of this section and the peak field strength (b) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and the peak field strength (c) of this section and th	15.231 and 15.241 at the band edges ased on ector except for the vertical 1000 MHz. based on 00 MHz, the field on are based on any emission shall specified above by a field strength
Test Method:	ANSI C63.10-2013 see	ction 6.5	3//
Procedure:	ANSI C63.10-2013 see	ction 6.5	

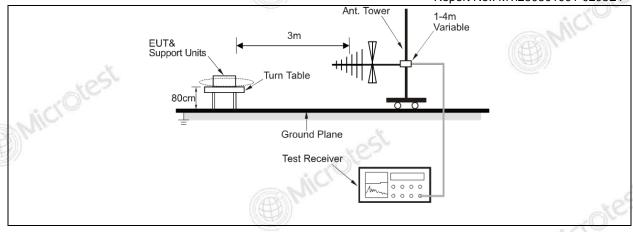
6.4.1 E.U.T. Operation:

Operating Envi	ironmen	t:		,		
Temperature:	22.8 °C		Humidity:	60 %	Atmospheric Pressure:	10198.3 kPa
Pre test mode:		le4, Mode5				
Final test mode				re-test mode recorded in	e were tested, only the dat the report	a of the worst

6.4.2 Test Setup Diagram:



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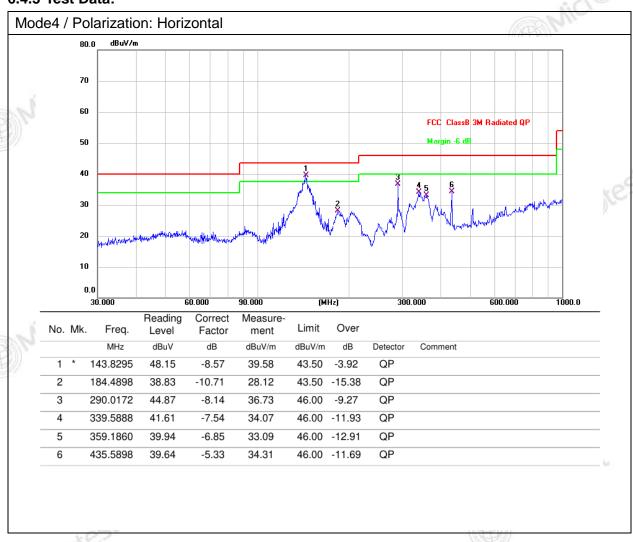


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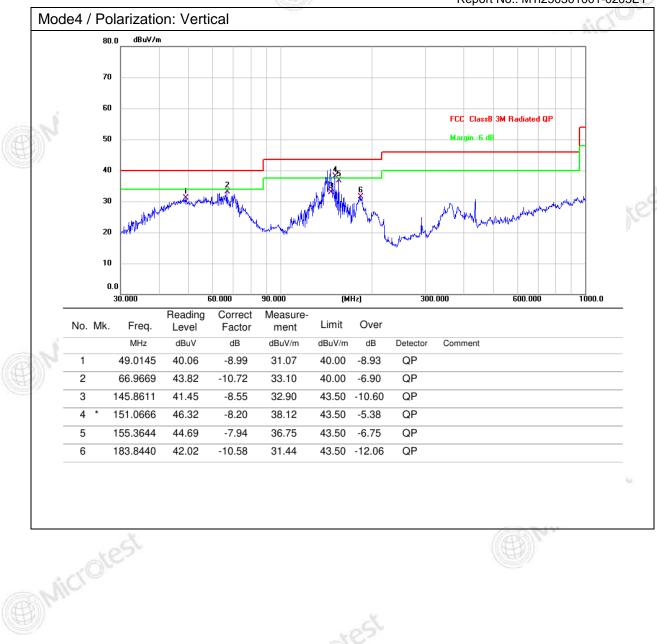
6.4.3 Test Data:



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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





















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- 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.
- 5. 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.