

# **Test Report**

Report No.:	MTi240731005-02E1
Date of issue:	2024-08-28
Applicant:	ASAP Technology(Jiangxi) Co., Ltd.
Product name:	Wireless Charger
Model(s):	L338WC007-CS-R
FCC ID:	2APXNL338WC007

Shenzhen Microtest Co., Ltd. http://www.mtitest.cn

The test report is only used for customer scientific research, teaching, internal quality control and other purposes, and is for internal reference only.





# Instructions

- 1. This test report shall not be partially reproduced without the written consent of the laboratory.
- 2. The test results in this test report are only responsible for the samples submitted
- 3. This test report is invalid without the seal and signature of the laboratory.
- 4. This test report is invalid if transferred, altered, or tampered with in any form without authorization.
- 5. Any objection to this test report shall be submitted to the laboratory within 15 days from the date of receipt of the report.





# **Table of contents**

1	Gene	eral Description	5
	1.1 1.2 1.3 1.4 1.5	Description of the EUT Description of test modes Environmental Conditions Description of support units Measurement uncertainty	5 6 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	Eval	uation Results (Evaluation)	10
	5.1	Antenna requirement	10
6	Radi	o Spectrum Matter Test Results (RF)	11
	6.1 6.2 6.3 6.4	Conducted Emission at AC power line 20dB Occupied Bandwidth Emissions in frequency bands (below 30MHz) Emissions in frequency bands (30MHz - 1GHz)	14 20
Pho	otogra	aphs of the test setup	28
Pho	otogra	aphs of the EUT	28



Test Result Certification			
Applicant:	ASAP Technology(Jiangxi) Co., Ltd.		
Address:	Ji'an Industrial Park, Ji'an, Jiangxi 343100 China		
Manufacturer:	LUXSHARE-ICT(NGHE AN) LIMITED		
Address:	No.18 Street 03, VSIP Nghe An Industrial Park, Hung Tay Commune,Hung Nguyen District, Nghe An Province, Vietnam		
Product description			
Product name:	Wireless Charger		
Trademark:	UTILITECH		
Model name:	L338WC007-CS-R		
Series Model(s):	ltem#6305719		
Standards:	47 CFR Part 15C		
Test Method:	ANSI C63.10-2013		
Date of Test			
Date of test:	2024-08-22 to 2024-08-26		
Test result:	Pass		

Test Engineer	:	James Qu
		(James Qin)
Reviewed By	:	Dowid. Cee
		(David Lee)
Approved By	:	leon chen
		(Leon Chen)



# **1** General Description

#### 1.1 Description of the EUT

•	
Product name:	Wireless Charger
Model name:	L338WC007-CS-R
Series Model(s):	ltem#6305719
Model difference:	Both the models are the same circuit and module, It's just that Item#6305719 is the customer's Item number
Electrical rating:	Input: DC 5V/ 3A, 9V/ 3A Output Phone: 15W Max Output Apple Watch: 5W Max
Accessories:	Adaptor: Model: L338WC007-CS-R2 Input: 100-240V~50/60Hz 0.8A Output: 5V-3A, 9V-3A, 12V-2.5A,15V-2A,20V-1.5A Cable: Type-c to Type-c cable: 100cm
Hardware version:	A
Software version:	A1
Test sample(s) number:	MTi240731005-02S1001
RF specification	
Operating frequency range:	Coil1: 115-205kHz(5W/ 7.5W), 360kHz(15W) Coil2: 326.5kHz(3W), 1778kHz(5W)
Modulation type:	ASK

#### **1.2 Description of test modes**

No.	Emission test modes
Mode1	Wireless Output(5W)+Watch(3W)
Mode2	Wireless Output(7.5W)+Watch(3W)
Mode3	Wireless Output(15W Qi2)+Watch(3W)
Mode4	Wireless Output(5W)+Watch(5W)
Mode5	Wireless Output(7.5W)+Watch(5W)
Mode6	Wireless Output(15W Qi2)+Watch(5W)
Mode7	Wireless Output(5W)
Mode8	Wireless Output(7.5W)
Mode9	Wireless Output(15W Qi2)
Mode10	Watch(3W)
Mode11	Watch(5W)
Mode12	Stand by



#### **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			
wireless charging load	ing load YBZ1.1 /		YBZ			
wireless charging load	YBZ3.0	/	YBZ			
iWatch	iWatch iWatch S7		Apple			
iWatch	iWatch iWatch S7		Apple			
Support cable list	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.



# 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



# 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	



# 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 Oc	cupied Bandwid	th			
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2024-03-20	2025-03-19	
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2024-03-21	2025-03-20	
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2024-03-21	2025-03-20	
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2024-03-21	2025-03-20	
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2024-03-21	2025-03-20	
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2024-03-21	2025-03-20	
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2024-03-21	2025-03-20	
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2024-03-20	2025-03-19	
9	DC Power Supply	Agilent	E3632A	MY40027695	2024-03-21	2025-03-20	
		Emissions in frequ	iency bands (bel	ow 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	3113A06184	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	3113A06184	2024-03-20	2025-03-19	



# 5 Evaluation Results (Evaluation)

#### 5.1 Antenna 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.



# 6 Radio Spectrum Matter Test Results (RF)

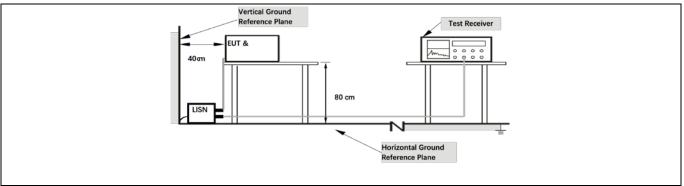
#### 6.1 Conducted Emission at AC power line

Test Requirement:	radiator that is designed to be co the radio frequency voltage that any frequency or frequencies, w exceed the limits in the following	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 (dE	3μV)			
		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 sect line conducted emissions from u			wer-		

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

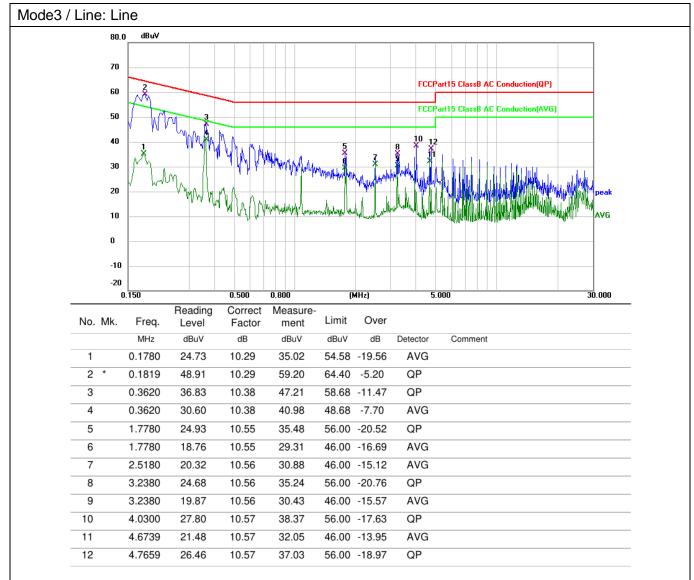
Operating Environment:						
Temperature:	25.9 °C		Humidity:	59 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12					
Final test mode: All of the listed pre-test mode were tested, only the data of the worst mode (Mode3) is recorded in the report					of the worst mode	

#### 6.1.2 Test Setup Diagram:

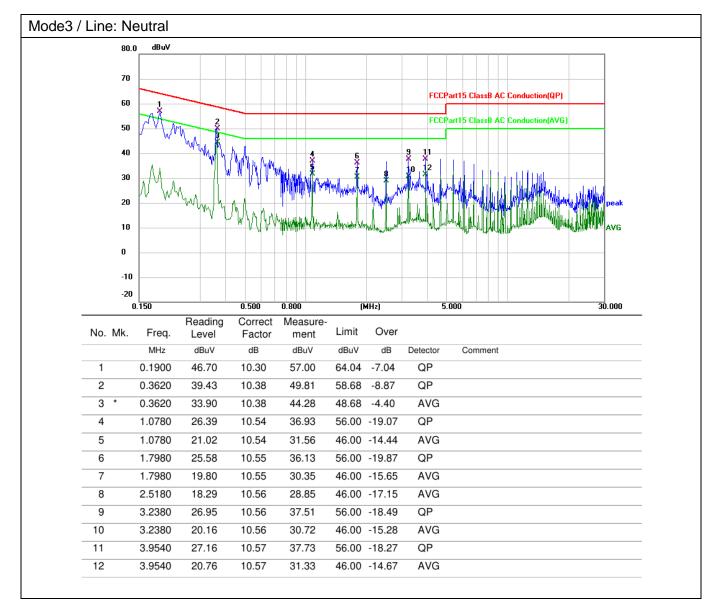




#### 6.1.3 Test Data:









#### 6.2 20dB Occupied Bandwidth

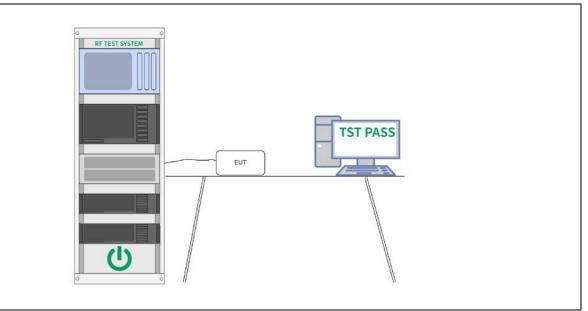
<ul> <li>otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.</li> <li>Test Method:</li> <li>ANSI C63.10-2013, section 6.9.2</li> <li>Procedure:         <ul> <li>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.</li> <li>b) The nominal IF filter bandwidth (30 BRW) 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.</li> <li>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.</li> <li>d) Steps a) through c) might require iteration to adjust within the specified tolerances.</li> <li>e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the arget "-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 trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).</li> <li>h) Determine the reforence value Satt the selected requency and the other at the specifies the trace form ostal by the marker-delta function of the instrument.</li> <li>i) Betermine the "-xx dB down amplitude" using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker delta function of the enstypoet of the spectral display, such that the highest frequency o</li></ul></li></ul>	Test Requirement:	47 CFR Part 15.215(c)
<ul> <li>Procedure: <ul> <li>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 GW.</li> <li>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.</li> <li>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.</li> <li>d) Steps a) through c) might require iteration to adjust within the specified tolerances.</li> <li>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 trace to stabilize. Set the selected value.</li> <li>f) Set detection mode to peak and trace mode to max hold.</li> <li>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).</li> <li>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.</li> <li>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).</li> <li>j) Place two markers, one at the lowest frequency and</li></ul></li></ul>		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.
<ul> <li>b) The normal Figure status is the second of the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.</li> <li>b) The norminal IF fitter bandwidth (JGW) 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.</li> <li>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.</li> <li>d) Steps a) through c) might require iteration to adjust within the specified tolerances.</li> <li>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.</li> <li>f) Set detection mode to peak and trace mode to max hold.</li> <li>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).</li> <li>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.</li> <li>i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or stat 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).</li> <li>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 a possible to this</li></ul>		ANSI C63.10-2013, section 6.9.2
plot(s).		<ul> <li>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.</li> <li>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.</li> <li>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.</li> <li>d) Steps a) through c) might require iteration to adjust within the specified tolerances.</li> <li>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.</li> <li>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).</li> <li>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.</li> <li>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).</li> <li>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 slight</li></ul>



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

Operating Envi	Operating Environment:						
Temperature:	24 °C		Humidity:	58 %	Atmospheric Pressure:	101 kPa	
Pre test mode:	Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12						
Final test mode:All of the listed pre-test mode were tested, only the data of the worst mode (Mode8, Mode9, Mode10, Mode11) is recorded in the report							

#### 6.2.2 Test Setup Diagram:





#### 6.2.3 Test Data:

Frequency	20 dB occupied ban	99% occupied bandwidth		
kHz	Hz		Hz	
140.765	811		690	
Agilent Spectrum Analyzer - Occupied BW			10.4M.4	
Center Freq 140.765 kHz	Center Freq: 140.765 kHz		Std: None Frequency	
#IFGa	in:Low #Atten: 10 dB		Device: BTS	
10 dB/div Ref 0.00 dBm				
-10.0			Center Fred 140.765 kHz	- H
-30.0				
-40.0				
-50.0				
-70.0		$\rightarrow$		
-80.0				
-90.0				
Center 140.8 kHz #Res BW 300 Hz	#VBW 1 kHz	Swe	Span 5 kHz ep 68.07 ms	
			Auto Mar	
Occupied Bandwidth	Total Power	-19.4 dBm		
	690 Hz		Freq Offset	
Transmit Freq Error	0 Hz OBW Power	99.00 %		z
x dB Bandwidth	811 Hz x dB	-20.00 dE		
MSG		STATUS 🦺 DC	Coupled	







Frequency kHz	20 dB occupied bandwi	-
326.5	Hz 811	Hz 743
Agilent Spectrum Analyzer - Occupied BW		
Center Freq 326.500 kHz	Center Freq: 326.500 kHz Trig: Free Run Avg Hold: 10 ain:Low #Atten: 10 dB	SNAUTO 09:51:40 AM Aug 25, 2024 Radio Std: None Radio Device: BTS
10 dB/div Ref 0.00 dBm		
Log -10.0 -20.0 -30.0		Center Freq 326.500 kHz
-30.0		
-60.0		
-80.0		
Center 326.5 kHz #Res BW 300 Hz	#VBW 1 kHz	Span 5 kHz Sweep 68.07 ms
Occupied Bandwidth	Total Power	-33.9 dBm
	743 Hz	FreqOffset
Transmit Freq Error	36 Hz OBW Power	99.00 % <sup>0 Hz</sup>
x dB Bandwidth	811 Hz x dB	-20.00 dB
MSG		STATUS 1 DC Coupled



Frequency	20 dB	occupied band	dwidth	99% oc	cupied bandwidtl
kHz 1778		Hz 813			Hz 695
Agilent Spectrum Analyzer - Occupied BW Xୟ RL RF 50 ନ 🛕 DC		SENSE:INT SOURCE OFF		4:31:19 PM Aug 25, 2024	Measurements
Center Freq 1.778000 MHz	Center → Trig: Fr ain:Low #Atten:	Freq: 1.778000 MHz ree Run Avg Hol 10 dB	d: 10/10	adio Std: None adio Device: BTS	Swept SA
10 dB/div <b>Ref -20.00 dBm</b> Log					Swept SA
-30.0					Channel Power
-50.0					
-70.0					Occupied BW
-90.0					АСР
Center 1.778 MHz				Span 5 kHz	D
#Res BW 300 Hz Occupied Bandwidth	#\	/BW 1 kHz Total Power	#S -36.8 dl	weep 68.07 ms Bm	Power Stat CCDF
	695 Hz				Burst Power
Transmit Freq Error	-12 Hz	OBW Power	99.00		BurstPower
x dB Bandwidth	813 Hz	x dB	-20.00	dB	More
					1 of 2
MSG			STATUS 🦺	DC Coupled	



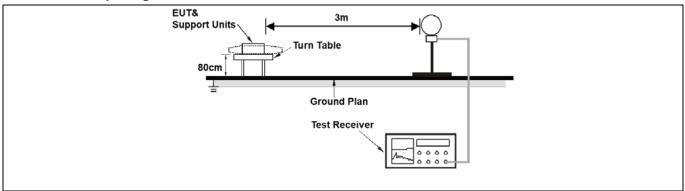
#### 6.3 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209				
Test Limit:	Frequency (MHz)	Field strength	Measuremen		
		(microvolts/meter)	t distance (meters)		
	0.009-0.490		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		
Test Method:	<ul> <li>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in 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 15.241.</li> <li>In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 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 shall not exceed the maximum permitted average limits specified above by more than 20 dB unce any condition of modulation. For point-to-point operation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.</li> </ul>				
Procedure:	ANSI C63.10-2013 secti				
	/				

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

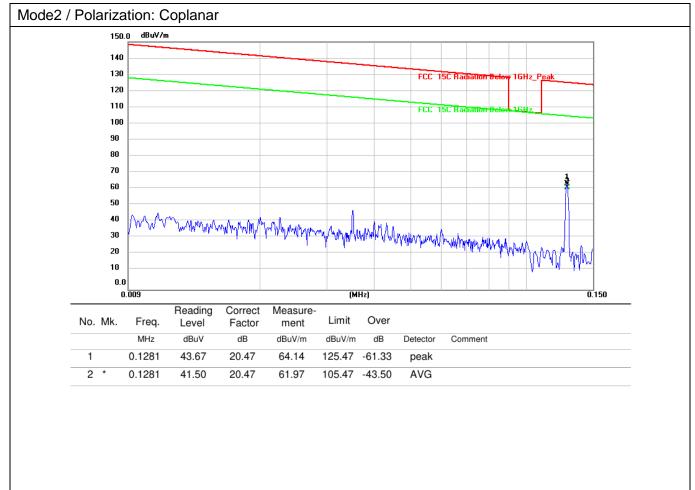
Operating Environment:						
Temperature: 22	2.5 °C	Humidity:	59 %	Atmospheric Pressure:	101 kPa	
Pre test mode:	Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12					
Final test mode: All of the listed pre-test mode were tested, only the data of the worst mode (Mode2, Mode6) is recorded in the report					of the worst mode	

#### 6.3.2 Test Setup Diagram:

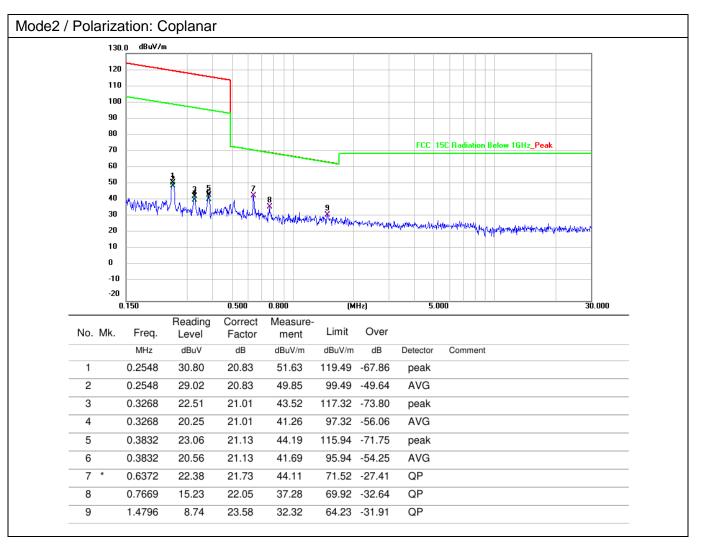




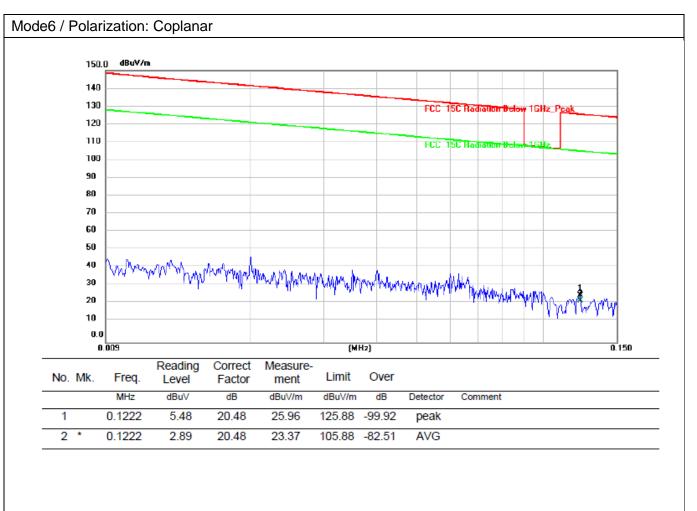
#### 6.3.3 Test Data:













#### Mode6 / Polarization: Coplanar dBu∀/m 130.0 120 110 100 90 80 FCC 15C Badiation Below 16Hz\_Peak 70 60 50 40 × × WW WWW ŝ 30 相如 and the other Anna -dutality 20 10 0 -10 -20 0.500 5.000 0.150 0.800 (MHz) 30.000 Reading Correct Measure-Limit Over Freq. No. Mk. Level Factor ment dBuV/m MHz dBuV dB dBuV/m dB Detector Comment 1 0.3596 32.86 21.08 53.94 116.49 -62.55 peak 2 0.3596 30.36 21.08 51.44 96.49 -45.05 AVG 0.4967 22.28 21.40 43.68 73.68 -30.00 QP 3 4 0.6508 14.89 21.76 36.65 71.34 -34.69 QP 5 0.7549 70.06 -34.68 13.38 22.00 35.38 QP 1.0103 11.32 22.62 33.94 67.53 -33.59 QP 6 7 \* 1.7716 23.23 24.18 47.41 69.50 -22.09 QP



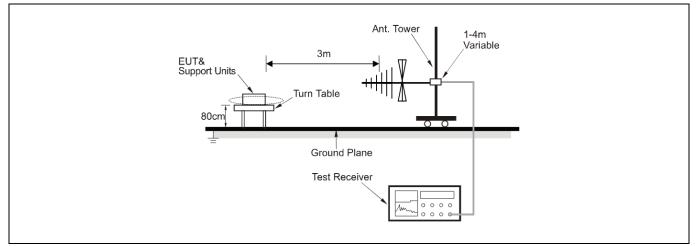
#### 6.4 Emissions in frequency bands (30MHz - 1GHz)

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		
Test Method: Procedure:	frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table abo The emission limits show employing a CISPR quas kHz, 110–490 kHz and al three bands are based on As shown in § 15.35(b), f limits in paragraphs (a) ar However, the peak field s maximum permitted aver any condition of modulati (b) of this section, the peak	we, the tighter limit applies at the in in the above table are based si-peak detector except for the for pove 1000 MHz. Radiated emission measurements employing an or frequencies above 1000 MH and (b)of this section are based of strength of any emission shall n age limits specified above by m on. For point-to-point operation ak field strength shall not exceet rs along the antenna azimuth. on 6.5	or 470-806 MHz. mitted under other ne band edges. on measurements frequency bands 9–90 ssion limits in these average detector. Iz, the field strength on average limits. tot exceed the nore than 20 dB under n under paragraph		

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

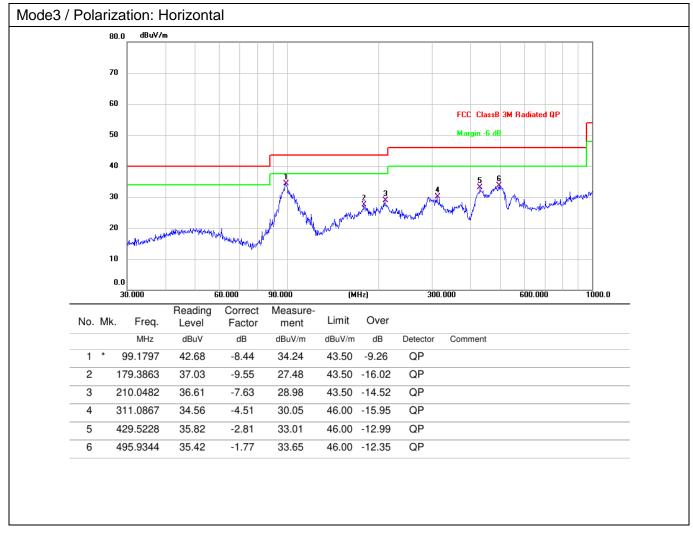
Operating Environment:						
Temperature:	22.5 °C		Humidity:	59 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12					
Final test mode: All of the listed pre-test mode were tested, only the data of the worst mode (Mode3) is recorded in the report					of the worst mode	

#### 6.4.2 Test Setup Diagram:

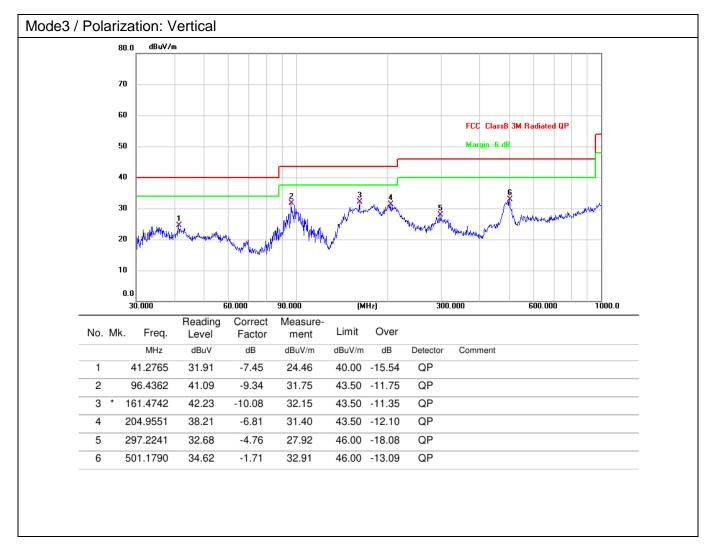




#### 6.4.3 Test Data:









## Photographs of the test setup

Refer to Appendix - Test Setup Photos

# Photographs of the EUT

Refer to Appendix - EUT Photos

----End of Report----