

CTC Laboratories, Inc.

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TEST REPORT

Report No. CTC20221273E08

FCC ID------ PADWF143

Applicant-----: Wahoo Fitness L.L.C.

Address-----: 90 W. Wieuca Road #110, Atlanta, GA 30342, United States

Manufacturer-----: Wahoo Fitness L.L.C.

Address------ 90 W. Wieuca Road #110, Atlanta, GA 30342, United States

Product Name: Wireless transceiver

Trade Mark-----: WAHOO FITNESS

Model/Type reference······: WF143

Listed Model(s) · · · · /

Standard FCC CFR Title 47 Part 15 Subpart C Section 15.249

Date of receipt of test sample...: Feb. 08, 2023

Date of testing...... Feb. 09, 2023 ~ Mar. 02, 2023

Date of issue...... Jul. 21, 2023

Result..... PASS

Compiled by:

(Printed name+signature) Terry Su

Supervised by:

(Printed name+signature) Eric Zhang

Approved by:

(Printed name+signature) Totti Zhao

Testing Laboratory Name.....: CTC Laboratories, Inc.

Shenzhen, Guangdong, China

Jenny Su Zinc zhang Jennas

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Report No.: CTC20221273E08



3.5.

Table of Contents Page TEST SUMMARY3 1.1. 1.2. 1.3. 1 4 1.5. 1.6. 2. 2.1. 2.2. 2.3. 24 2.5. 3.1. 3.2. 3.3. 3.4.



Page 3 of 27

Report No.: CTC20221273E08



1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.249: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz.

RSS-210: Licence-Exempt Radio Apparatus: Category I Equipment

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

1.2. Report version

Revised No.	Date of issue	Description
01	Jul. 21, 2023	Original



Report No.: CTC20221273E08



1.3. Test Description

Test Item	Section in CFR 47	RSS-210	Result	Test Engineer
AC Power Line Conducted Emissions	15.207	RSS-Gen 8.8	PASS	Ice Lu
20dB Occupied Bandwidth	15.215/15.249	/	PASS	Alicia Liu
Field strength of the Fundamental signal	15.249(a)	RSS-210 F.1.a	PASS	Alicia Liu
Spurious Emissions	15.209/15.249(a)	RSS-210 F.1.e	PASS	Alicia Liu
Band edge Emissions	15.205/15.249(d)	/	PASS	Alicia Liu
Antenna requirement	15.203	/	PASS	Alicia Liu

Note: The measurement uncertainty is not included in the test result.

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[&]quot;N/A" This device is only powered battery, no need for part 15.207.

Page 5 of 27 Report No.: CTC20221273E08



1.4. Test Facility

Address of the report laboratory

CTC Laboratories, Inc.

Add: 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Indus try Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (F CC) Federal Communications Commission. The acceptance letter from the FCC is maintained inour files. Registration 951311, Aug 26, 2017.

1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the CTC Laboratories, Inc.quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

CTC Laboratories, Inc.

Report No.: CTC20221273E08



Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.42 dB	(1)
Transmitter power Radiated	2.14 dB	(1)
Conducted spurious emissions 9kHz~40GHz	1.60 dB	(1)
Radiated spurious emissions 9kHz~40GHz	2.20 dB	(1)
Conducted Emissions 9kHz~30MHz	3.20 dB	(1)
Radiated Emissions 30~1000MHz	4.70 dB	(1)
Radiated Emissions 1~18GHz	5.00 dB	(1)
Radiated Emissions 18~40GHz	5.54 dB	(1)
Occupied Bandwidth		(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

1.6. Environmental conditions

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

Temperature:	21°C ~ 27°C
Relative Humidity:	40% ~ 60%
Air Pressure:	101kPa



Report No.: CTC20221273E08



2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Wahoo Fitness L.L.C.
Address:	90 W. Wieuca Road #110, Atlanta, GA 30342, United States
Manufacturer:	Wahoo Fitness L.L.C.
Address:	90 W. Wieuca Road #110, Atlanta, GA 30342, United States

2.2. General Description of EUT

Product Name:	Wireless transceiver
Trade Mark:	WAHOO FITNESS
Model/Type reference:	WF143
Listed Model(s):	/
Power supply:	24Vdc/6.24A from AC/DC Adapter
Adapter mode:	SOY-2400624-094-B Input: 100-240V~ 50/60Hz 2.5A Max Output: 24Vdc/6.24A 60W
Hardware version:	/
Software version:	/
ANT+ Specification	
Modulation:	GFSK
Bit Rate of Transmitter:	1Mbps
Operation frequency:	2457MHz
Antenna type:	Ceramic Antenna
Antenna gain:	5.46dBi

Page 8 of 27

Report No.: CTC20221273E08



2.3. Description of Test Modes

The EUT has been tested under test mode condition. The Applicant provides software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Channel	Frequency (MHz)
01	2457

Test Mode:

Ear		toot	items
-()	Γ	1621	1101115

The engineering test program was provided and enabled to make EUT continuous transmit. (duty cycle>98%).

For AC power line conducted emissions:

The EUT was set to connect with large package sizes transmission.

For Radiated spurious emissions test item:

The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

2.4. Accessory Equipment Information

Equipment Information					
Name	Model	S/N	Manufacturer		
/	/	/	/		
/	/	/	/		
Cable Information					
Name	Shielded Type	Ferrite Core	Length		
/	/	/	/		
/	/	/	/		
Test Software Information					
Name	Software version	/	/		
Engineering mode	/	/	/		



Report No.: CTC20221273E08



2.5. Measurement Instruments List

Tonsce	Tonscend JS0806-2 Test system				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	MXA Signal Analyzer	Keysight	N9020A	MY46471737	Dec. 16, 2023
2	Spectrum Analyzer	R&S	FSU26	100105	Dec. 16, 2023
3	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 14, 2024
4	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 16, 2023
5	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 16, 2023
6	Power Sensor	Keysight	U2021XA	MY55130004	Mar. 14, 2024
7	Power Sensor	Keysight	U2021XA	MY55130006	Mar. 14, 2024
8	Wideband Radio Communication Tester	R&S	CMW500	102414	Dec. 16, 2023
9	High and low temperature box	ESPEC	MT3035	/	Mar. 24, 2024
10	JS1120 RF Test system	TONSCEND	v2.6	/	/

Radiate	Radiated emission(3m chamber 2)				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-1013	Dec. 07, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Dec. 07, 2024
3	Loop Antenna	LAPLAC	RF300	9138	Dec. 16, 2023
4	Spectrum Analyzer	R&S	FSU26	100105	Dec. 16, 2023
5	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 14, 2024
6	Pre-Amplifier	SONOMA	310	186194	Dec. 16, 2023
7	Low Noise Pre-Amplifier	EMCI	EMC051835	980075	Dec. 16, 2023
8	Test Receiver	R&S	ESCI7	100967	Dec. 16, 2023
9	3m chamber 2	Frankonia	EE025	/	Oct. 23, 2024

Radiate	Radiated emission(3m chamber 3)				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9163	01026	Dec. 18, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Dec. 01, 2024
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 16, 2023
4	Broadband Premplifier	SCHWARZBECK	BBV9743B	259	Dec. 16, 2023
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 16, 2023
6	Pre-Amplifier	R&S	SCU-26	10033	Dec. 16, 2023
7	Pre-Amplifier	R&S	SCU-40	10030	Dec. 16, 2023
8	Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	BBHA 9170-497	Dec. 16, 2023
9	3m chamber 3	YIHENG	EE106	/	Sep. 09, 2023



Page 10 of 27 CTC20221273E08

Report No.:

Condu	Conducted Emission									
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until					
1	LISN	R&S	ENV216	101112	Dec. 16, 2023					
2	LISN	R&S	ENV216	101113	Dec. 16, 2023					
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 16, 2023					

Note: 1. The Cal. Interval was one year.

- 2. The Cal. Interval was three year of the chamber3. The cable loss has calculated in test result which connection between each test instruments.



3. TEST ITEM AND RESULTS

3.1. AC Power Line Conducted Emissions

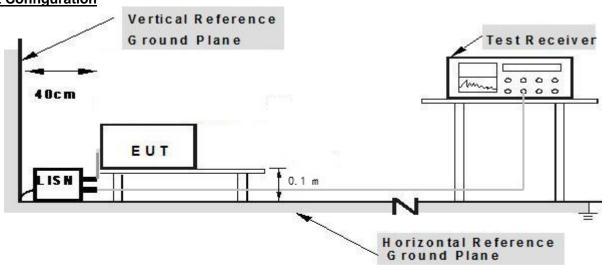
Limit

Fraguency	Maximum RF Line Voltage (dBμV)				
Frequency	Quasi-peak Level	Average Level			
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Configuration



Note: 1.Support units were connected to second LISM.

2.Both of LISMs (AMM) are 80 cm from EUT and at least 80 from other units and other metal planes

Test Procedure

- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 10 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 10 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 7. During the above scans, the emissions were maximized by cable manipulation.

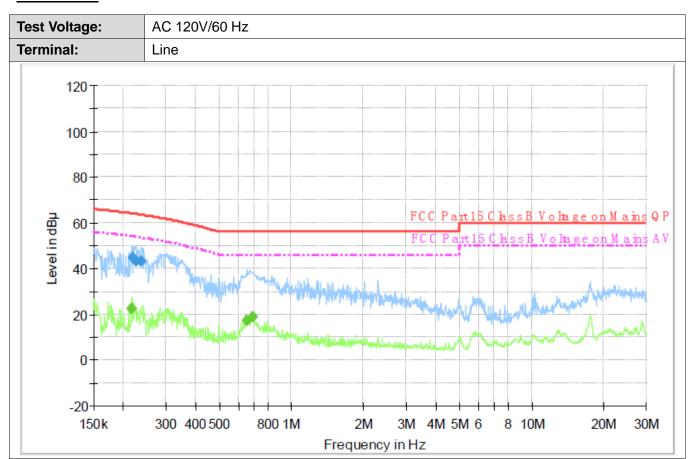
Page 12 of 27 CTC20221273E08

Report No.:

Test Mode

Please refer to the clause 2.3

Test Results



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.217430	44.8	1000.00	9.000	On	L1	9.7	19.3	64.1	
0.225390	43.1	1000.00	9.000	On	L1	9.7	20.7	63.8	
0.237390	43.3	1000.00	9.000	On	L1	9.7	20.2	63.5	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.216570	22.4	1000.00	9.000	On	L1	9.7	31.7	54.1	
0.654380	17.1	1000.00	9.000	On	L1	9.7	28.9	46.0	
0.692000	19.0	1000.00	9.000	On	L1	9.7	27.0	46.0	

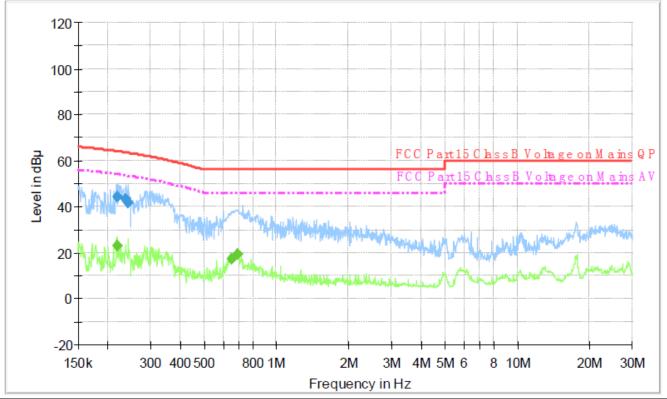
Emission Level= Read Level+ Correct Factor

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Page 13 of 27 CTC20221273E08





Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.217430	44.5	1000.00	9.000	On	N	10.0	19.6	64.1	
0.237390	43.3	1000.00	9.000	On	N	10.0	20.2	63.5	
0.242180	41.7	1000.00	9.000	On	N	10.0	21.7	63.4	

Final Measurement Detector 2

	Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
Ī	0.217430	23.0	1000.00	9.000	On	N	10.0	31.1	54.1	
	0.649180	17.6	1000.00	9.000	On	N	10.0	28.4	46.0	
	0.689240	19.3	1000.00	9.000	On	N	10.0	26.7	46.0	

Emission Level= Read Level+ Correct Factor

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Page 14 of 27 CTC20221273E08

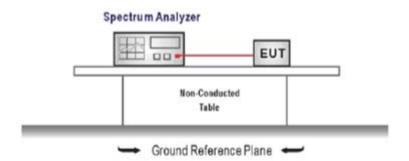
Report No.:

3.2. 20 dB Occupied Bandwidth

Limit

Operation frequency range 2400MHz~2483.5MHz.

Test Configuration



Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings: Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a test channel RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW Sweep = auto, Detector function = peak, Trace = max hold
- 4. Measure and record the results in the test report.

Test Mode:

Please refer to the clause 2.3

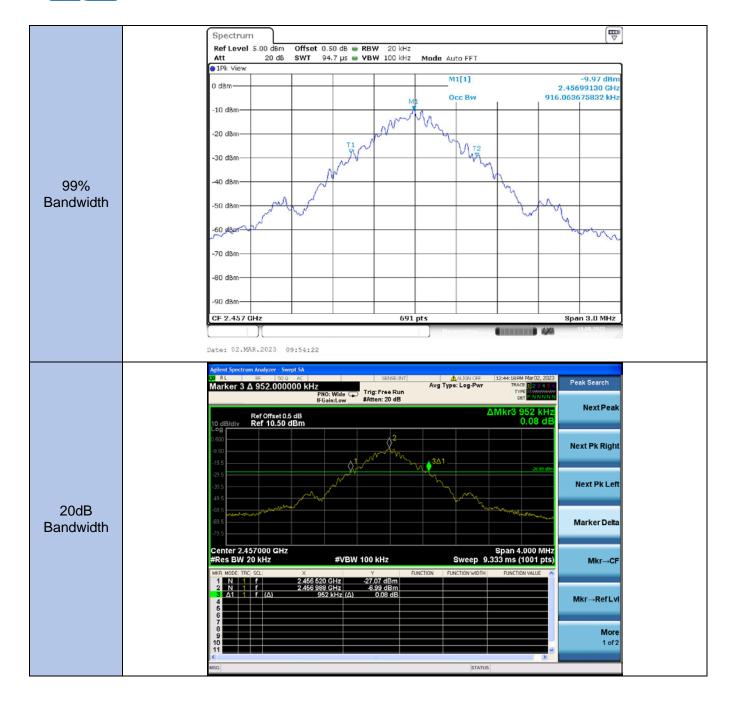
Test Results

Channel	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Result
01	952	916.06	Pass

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Page 15 of 27 CTC20221273E08

Report No.:





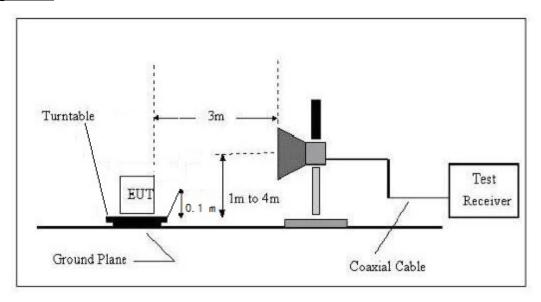
3.3. Radiated field strength of the fundamental signal

Limit

Fundamental frequency	Field strength of fundamental (millivolts/meter/ AVG)	Field strength of harmonics (microvolts/meter/ AVG)		
902-928 MHz	50 (94dBuV/m @3m)	500 (54dBuV/m @3m)		
2400-2483.5 MHz	50 (94dBuV/m @3m)	500 (54dBuV/m @3m)		
5725-5875 MHz	50 (94dBuV/m @3m)	500 (54dBuV/m @3m)		
24.0-24.25 GHz	250 (108dBuV/m @3m)	2500 (68dBuV/m @3m)		

Frequencies above 1000 MHz, the field strength limits are based on average limits

Test Configuration



Test Procedure

- 1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
- 2. The EUT is placed on a turn table which is 0.1 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- 5. The receiver set as follow: RBW=1MHz, VBW=3MHz Peak detector for Peak value.

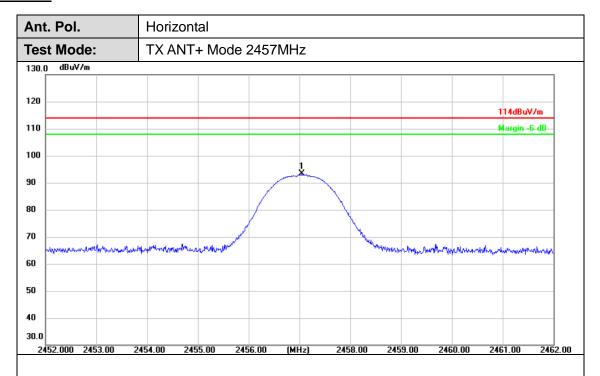
Test Mode

Please refer to the clause 2.3



Page 17 of 27 CTC20221273E08

Test Results



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2457.053	62.26	31.12	93.38	114.00	-20.62	peak

Remarks:

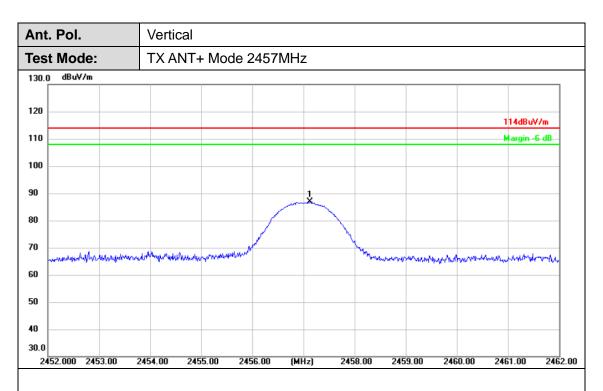
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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Page 18 of 27 CTC20221273E08



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2457.130	55.80	31.12	86.92	114.00	-27.08	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



3.4. Radiated Spurious Emissions and Bandedge Emission

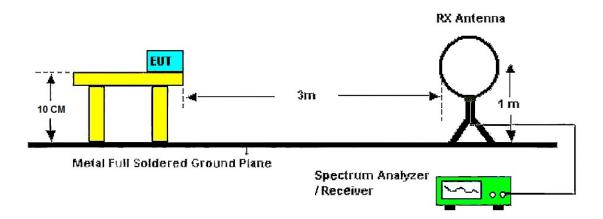
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209

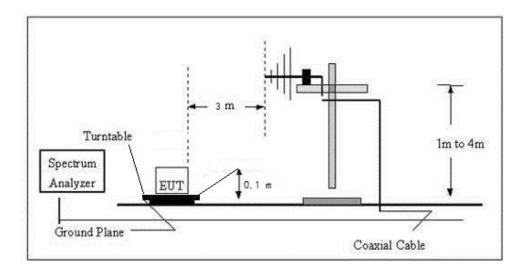
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

Test Configuration

9 kHz ~ 30 MHz



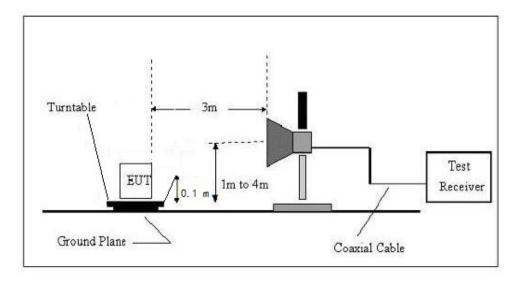
30 MHz ~ 1 GHz



Page 20 of 27 CTC20221273E08

Report No.:

Above 1 GHz



Test Procedure

- 1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
- 2. The EUT is placed on a turn table which is 0.1 meter above ground for below 1 GHz, and 0.1 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 4. Set to the maximum power setting and enable the EUT transmit continuously.
- 5. Use the following spectrum analyzer settings

Span shall wide enough to fully capture the emission being measured;

(1)Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using

the quasi-peak detector and reported. (2)From 1 GHz to 10th harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW=3MHz RMS detector for Average value.

Test Mode:

Please refer to the clause 2.3

Test Results

Radiated Spurious Emissions

■ 9 kHz ~ 30 MHz

The EUT was pre-scanned the frequency band (9 kHz ~ 30 MHz), found the radiated level lower than the limit, so don't show on the report.

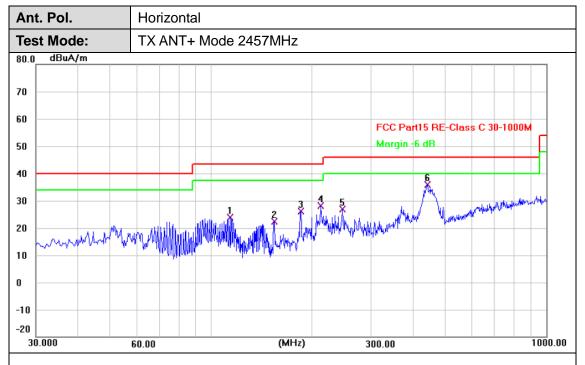
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Page 21 of 27 CTC20221273E08

■ 30 MHz ~ 1 GHz



No.	Frequency (MHz)	Reading (dBuA)	Factor (dB/m)	Level (dBuA/m)	Limit (dBuA/m)	Margin (dB)	Detector
1	113.7433	40.96	-17.05	23.91	43.50	-19.59	QP
2	154.4832	41.92	-19.42	22.50	43.50	-21.00	QP
3	185.2000	43.76	-17.53	26.23	43.50	-17.27	QP
4	212.6833	43.85	-15.70	28.15	43.50	-15.35	QP
5	246.6333	41.71	-14.74	26.97	46.00	-19.03	QP
6 *	443.2200	46.07	-10.25	35.82	46.00	-10.18	QP

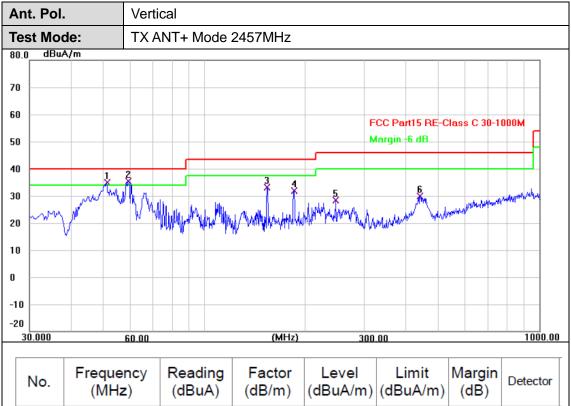
Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Page 22 of 27 CTC20221273E08



No.	Frequency (MHz)	Reading (dBuA)	Factor (dB/m)	Level (dBuA/m)	Limit (dBuA/m)	Margin (dB)	Detector
1!	51.0167	49.34	-14.47	34.87	40.00	-5.13	QP
2 *	59.4233	51.22	-15.80	35.42	40.00	-4.58	QP
3	154.1600	52.46	-19.44	33.02	43.50	-10.48	QP
4	185.2000	49.52	-17.53	31.99	43.50	-11.51	QP
5	246.6333	43.20	-14.74	28.46	46.00	-17.54	QP
6	441.6033	40.21	-10.27	29.94	46.00	-16.06	QP

Remarks:

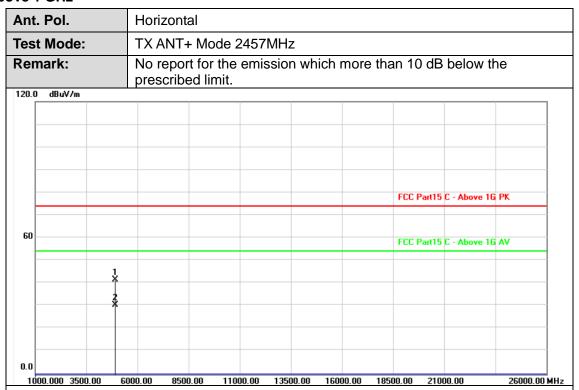
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Page 23 of 27 CTC20221273E08

■ Above 1 GHz



No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector
1	4913.967	2.38	39.24	41.62	74.00	-32.38	peak
2	4914.129	2.38	28.17	30.55	54.00	-23.45	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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Page 24 of 27 CTC20221273E08

Ant. Pol.		Vertical									
Test Mode:			TX ANT+ Mode 2457MHz								
Rem	nark:			No report for the emission which more than 10 dB below the prescribed limit.							
120.0 Г	dBuV/m										
-								FCC Part15	C - Above 1G	PK	
60											
00								FCC Part15	C - Above 16	AV	
		1 X									
		- }									
		*									
-											
0.0	0.000 3500.		000.00	8500.00	11000.00	13500.00		18500.00 210			

	No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)		Margin (dB)	Detector
	1	4913.944	2.38	39.24	41.62	74.00	-32.38	peak
Γ	2	4914.052	2.38	28.06	30.44	54.00	-23.56	AVG

Remarks:

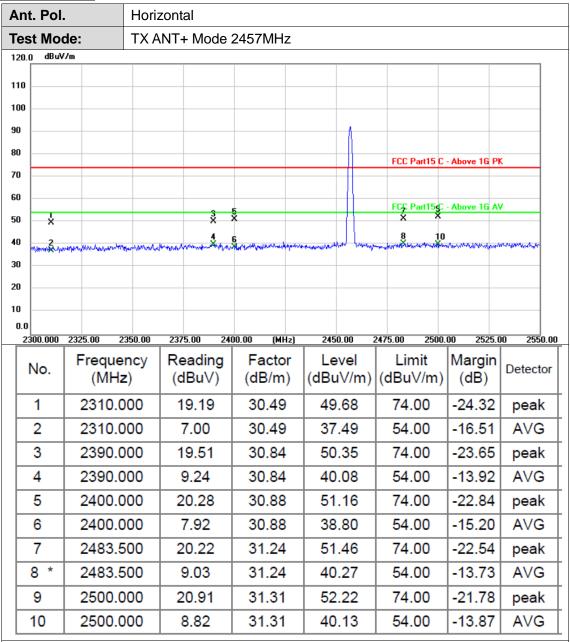
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Page 25 of 27 CTC20221273E08

Bandedge Emission



Remark:

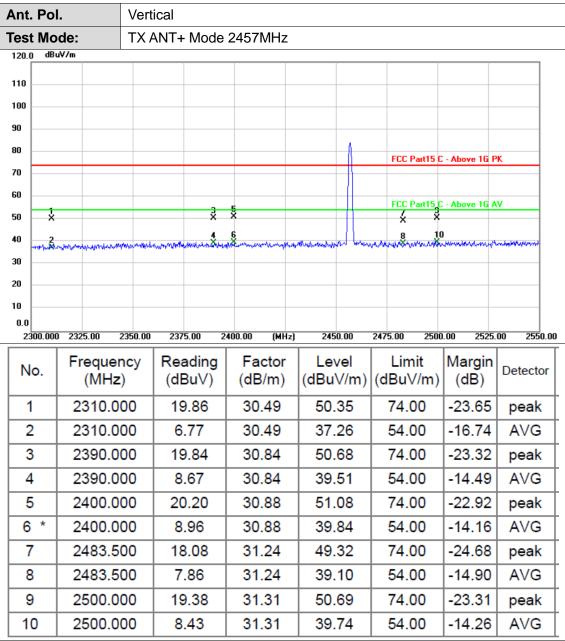
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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Page 26 of 27 CTC20221273E08



Remark:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Page 27 of 27 CTC20221273E08

Report No.:

3.5. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 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 anantenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.



