

FCC Part 15C Measurement and Test Report

For

Perixx Computer GmbH

Heerdter Landstrasse 189e, 40549 Düsseldorf, Germany

FCC ID: Z2G-PERIBOARD-61D

FCC Rule(s): FCC Part 15.249

Product Description: Wireless Dongle

Tested Model: PERIBOARD-612

Report No.: <u>WTX19X05030192W-1</u>

Sample Receipt Date: 2019-05-14

Tested Date: 2019-05-15 to 2019-06-13

Issued Date: <u>2019-06-13</u>

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM Test Technology Co., Ltd.



TABLE OF CONTENTS

1. GENERAL INFORMATION	3
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
1.2 TEST STANDARDS	4
1.3 Test Methodology	
1.4 Test Facility	
1.5 EUT SETUP AND TEST MODE	5
1.6 MEASUREMENT UNCERTAINTY	
1.7 TEST EQUIPMENT LIST AND DETAILS	6
2. SUMMARY OF TEST RESULTS	8
3. ANTENNA REQUIREMENTS	9
3.1 Standard Applicable	
3.2 TEST RESULT.	
4. RADIATED EMISSIONS	10
4.1 STANDARD APPLICABLE.	
4.1 STANDARD APPLICABLE	
4.3 CORRECTED AMPLITUDE & MARGIN CALCULATION	
4.4 SUMMARY OF TEST RESULTS/PLOTS	
5. OUT OF BAND EMISSIONS	
5.1 Standard Applicable	
5.3 SUMMARY OF TEST RESULTS/PLOTS	
6. EMISSION BANDWIDTH	
6.1 STANDARD APPLICABLE.	
6.2 TEST PROCEDURE	
6.3 SUMMARY OF TEST RESULTS/PLOTS	
7. CONDUCTED EMISSIONS	26
7.1 Test Procedure	
7.2 BASIC TEST SETUP BLOCK DIAGRAM	
7.3 TEST RECEIVER SETUP	
7 A SHMMADY OF TEST RESHITS / DLOTS	26



1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Perixx Computer GmbH

Address of applicant: Heerdter Landstrasse 189e, 40549 Düsseldorf, Germany

Manufacturer: Perixx Computer GmbH

Address of manufacturer: Heerdter Landstrasse 189e, 40549 Düsseldorf, Germany

General Description of EUT	
Product Name:	Wireless Dongle
Trade Name:	PERIXX
Model No.:	PERIBOARD-612
Adding Model(s):	PERIDUO-612
Rated Voltage:	USB Port:DC5V
Power Adapter Model:	/

Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model PERIBOARD-612, but the circuit and the electronic construction do not change, declared by the manufacturer.

Technical Characteristics of EUT	
Frequency Range:	2403MHz-2480MHz
Max. Field Strength:	96.95dBuV/m
Modulation:	GFSK
Quantity of Channels:	78
Channel Separation:	1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	-2.6dBi

Report No.: WTX19X05030192W-1 Page 3 of 28 FCC Part 15.249



1.2 Test Standards

The tests were performed according to following standards:

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

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

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which results in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013,

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Test Facility

FCC - Registration No.: 125990

Shenzhen SEM Test Technology Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

Report No.: WTX19X05030192W-1 Page 4 of 28 FCC Part 15.249



1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List			
Test Mode	Description	Remark	
TM1	Low Channel	2403MHz	
TM2	Middle Channel	2441MHz	
TM3	High Channel	2480MHz	

Test Conditions		
Temperature:	22~25 °C	
Relative Humidity:	50~55 %.	
ATM Pressure:	1019 mbar	

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Special Cable List and Deta	nils		
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
USB extension cable	1.5	Shielded	With Ferrite

Auxiliary Equipment List a	and Details		
Description	Manufacturer	Model	Serial Number
Computer	Lenovo	ThinkPad Edge E445	/

1.6 Measurement Uncertainty

Measurement uncertainty			
Parameter	Conditions	Uncertainty	
RF Output Power	Conducted	±0.42dB	
Occupied Bandwidth	Conducted	±1.5%	
Conducted Spurious Emission	Conducted	±2.17dB	
Conducted Emissions	Conducted	9-150kHz ±3.74dB	
Conducted Emissions		$0.15-30 \text{MHz} \pm 3.34 \text{dB}$	
		$30-200 MHz \pm 4.52 dB$	
Transmitten Savaieva Emissions	Radiated	0.2-1GHz ±5.56dB	
Transmitter Spurious Emissions		1-6GHz ±3.84dB	
		6-18GHz ±3.92dB	

Report No.: WTX19X05030192W-1 Page 5 of 28 FCC Part 15.249



1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2019-04-30	2020-04-29
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2019-04-30	2020-04-29
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2019-04-30	2020-04-29
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2019-04-30	2020-04-29
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2019-04-30	2020-04-29
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2019-05-05	2021-05-04
SEMT-1042	Horn Antenna	ETS	3117	00086197	2019-05-05	2021-05-04
SEMT-1121	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170582	2019-05-05	2021-05-04
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2019-05-05	2021-05-04
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2019-04-30	2020-04-29
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2019-04-30	2020-04-29
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2019-04-30	2020-04-29
SEMT-1168	Pre-amplifier	Direction Systems Inc.	PAP-0126	14141-12838	2019-04-30	2020-04-29
SEMT-1169	Pre-amplifier	Direction Systems Inc.	PAP-2640	14145-14153	2019-04-30	2020-04-29
SEMT-1163	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2019-04-30	2020-04-29
SEMT-1170	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2019-05-05	2021-05-04
SEMT-1166	Power Limiter	Agilent	N9356B	MY45450376	2019-04-30	2020-04-29
SEMT-1048	RF Limiter	ATTEN	AT-BSF-2400~2500	/	2019-04-30	2020-04-29
SEMT-1076	RF Switcher	Top Precision	RCS03-A2	/	2019-04-30	2020-04-29
SEMT-C001	Cable	Zheng DI	LL142-07-07-10M(A)	/	2019-03-18	2020-03-17
SEMT-C002	Cable	Zheng DI	ZT40-2.92J-2.92J-6M	/	2019-03-18	2020-03-17
SEMT-C003	Cable	Zheng DI	ZT40-2.92J-2.92J-2.5M	/	2019-03-18	2020-03-17
SEMT-C004	Cable	Zheng DI	2M0RFC	/	2019-03-18	2020-03-17
SEMT-C005	Cable	Zheng DI	1M0RFC	/	2019-03-18	2020-03-17
SEMT-C006	Cable	Zheng DI	1M0RFC	/	2019-03-18	2020-03-17



Software List					
Description Manufacturer Model Version					
EMI Test Software	CCC	EZ EMC	V1.0		
(Radiated Emission)*	CCS	EZ-EMC	V1.0		
EMI Test Software	CCC	EZ EMO	V1.0		
(Conducted Emission)*	CCS	EZ-EMC	V1.0		

^{*}Remark: indicates software version used in the compliance certification testing



2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§15.203	Antenna Requirement	Compliant
§15.205	Restricted Band of Operation	Compliant
§15.207(a)	Conducted Emission	Compliant
§15.209(a)(f)	Radiated Spurious Emissions	Compliant
§15.249(a)	Field Strength of Emissions	Compliant
§15.249(d)	Out of Band Emission	Compliant
§15.215(c)	Emission Bandwidth	Compliant



3. Antenna Requirements

3.1 Standard Applicable

According to FCC 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.

3.2 Test Result

This product has a PCB antenna, fulfill the requirement of this section.

Report No.: WTX19X05030192W-1 Page 9 of 28 FCC Part 15.249



4. Radiated Emissions

4.1 Standard Applicable

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of Harmonics (micro-volts/meter)		
902-928 MHz	50	500		
2400-2483.5 MHz	50	500		
5725-5875 MHz	50	500		
24.0-24.25 GHz	250	2500		

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

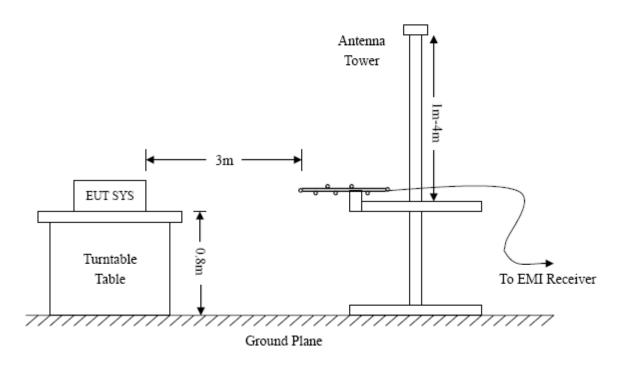
4.2 Test Procedure

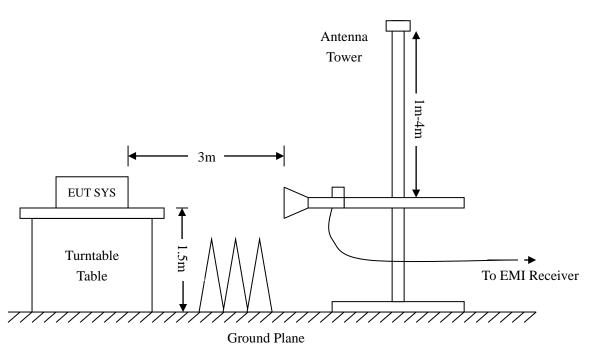
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.249(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

Report No.: WTX19X05030192W-1 Page 10 of 28 FCC Part 15.249







Frequency:9kHz-30MHz

RBW=10KHz,

VBW = 30KHz

Sweep time= Auto

 $Trace = max \ hold$

 $Detector\ function = peak$

Frequency:30MHz-1GHz

RBW=120KHz,

VBW=300KHz

Sweep time= Auto

m 1 11

Trace = \max hold

Detector function = peak, QP

Frequency : Above 1GHz

RBW=1MHz,

VBW=3MHz(Peak), 10Hz(AV)

Sweep time= Auto

Trace = max hold

Detector function = peak, AV



4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Ant. Factor + Cable Loss - Ampl. Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of $-6dB\mu V$ means the emission is $6dB\mu V$ below the maximum limit. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – FCC Part 15C Limit

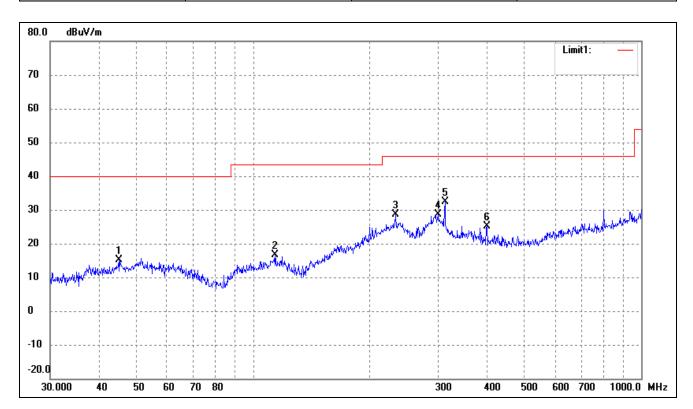
4.4 Summary of Test Results/Plots

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

Report No.: WTX19X05030192W-1 Page 12 of 28 FCC Part 15.249



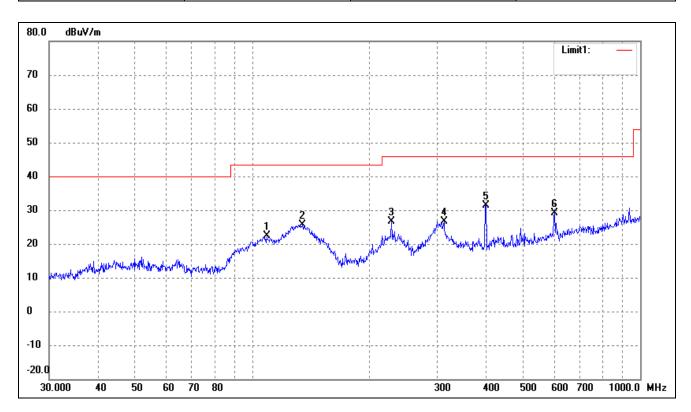
> Spurious Emissions Below 1GHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	45.0583	27.03	-11.93	15.10	40.00	-24.90	89	100	peak
2	114.1138	31.18	-14.66	16.52	43.50	-26.98	122	100	peak
3	232.5318	39.53	-10.89	28.64	46.00	-17.36	84	100	peak
4	300.3673	36.80	-8.15	28.65	46.00	-17.35	100	100	peak
5	312.1794	40.77	-8.29	32.48	46.00	-13.52	162	100	peak
6	400.4319	31.77	-6.74	25.03	46.00	-20.97	339	100	peak



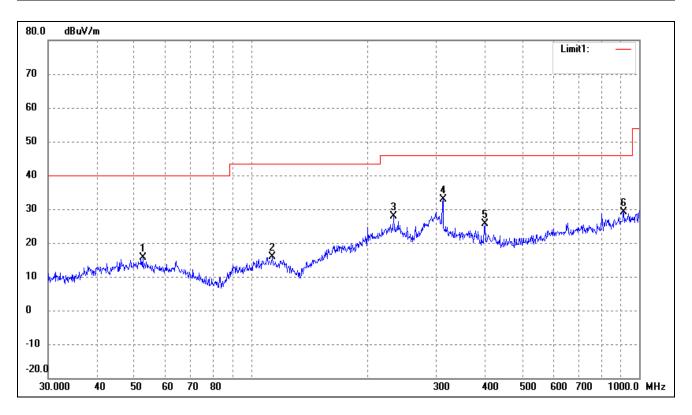




No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	109.0286	36.04	-13.76	22.28	43.50	-21.22	242	100	peak
2	135.0319	42.97	-17.26	25.71	43.50	-17.79	259	100	peak
3	228.4904	37.89	-11.29	26.60	46.00	-19.40	56	100	peak
4	312.1794	35.01	-8.29	26.72	46.00	-19.28	211	100	peak
5	400.4319	38.11	-6.74	31.37	46.00	-14.63	161	100	peak
6	601.4265	32.35	-3.32	29.03	46.00	-16.97	114	100	peak



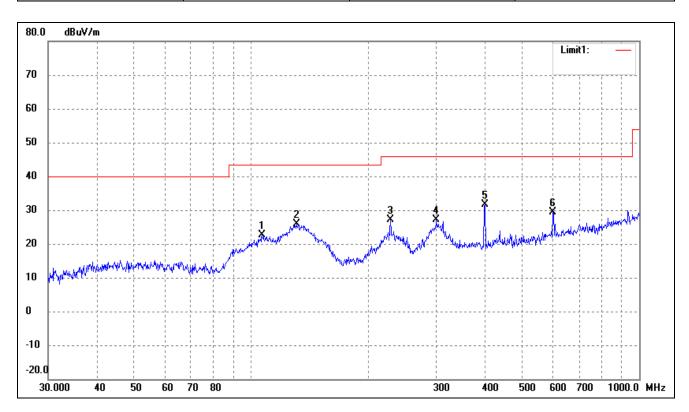




No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	52.5753	27.34	-11.67	15.67	40.00	-24.33	309	100	peak
2	113.3163	30.42	-14.51	15.91	43.50	-27.59	99	100	peak
3	232.5318	38.74	-10.89	27.85	46.00	-18.15	129	100	peak
4	312.1794	41.05	-8.29	32.76	46.00	-13.24	98	100	peak
5	400.4319	32.33	-6.74	25.59	46.00	-20.41	137	100	peak
6	912.8620	27.79	1.37	29.16	46.00	-16.84	203	100	peak



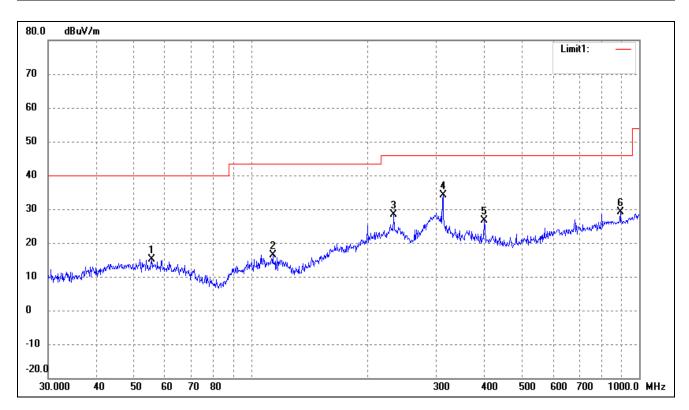




No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	106.7587	36.23	-13.55	22.68	43.50	-20.82	95	100	peak
2	130.8369	42.91	-16.95	25.96	43.50	-17.54	96	100	peak
3	228.4904	38.49	-11.29	27.20	46.00	-18.80	142	100	peak
4	300.3673	35.20	-8.15	27.05	46.00	-18.95	114	100	peak
5	400.4319	38.36	-6.74	31.62	46.00	-14.38	165	100	peak
6	599.3213	32.59	-3.33	29.26	46.00	-16.74	163	100	peak



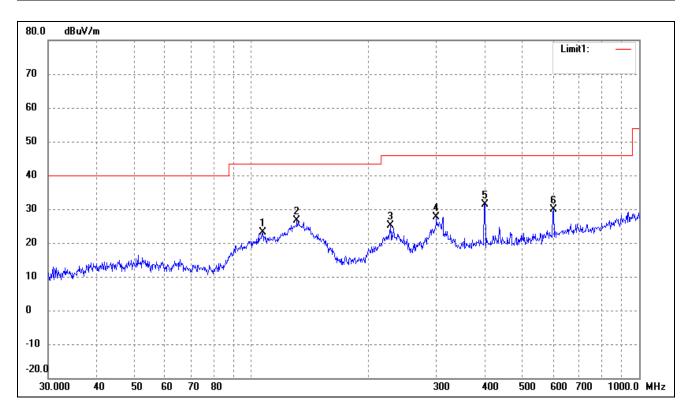




No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	55.4147	27.43	-12.21	15.22	40.00	-24.78	251	100	peak
2	113.7143	31.08	-14.59	16.49	43.50	-27.01	109	100	peak
3	233.3487	39.22	-10.83	28.39	46.00	-17.61	60	100	peak
4	312.1794	42.35	-8.29	34.06	46.00	-11.94	170	100	peak
5	399.0302	33.36	-6.79	26.57	46.00	-19.43	165	100	peak
6	893.8567	28.40	0.72	29.12	46.00	-16.88	345	100	peak







No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	107.1337	36.65	-13.58	23.07	43.50	-20.43	342	100	peak
2	131.2965	43.54	-16.97	26.57	43.50	-16.93	99	100	peak
3	228.4904	36.30	-11.29	25.01	46.00	-20.99	86	100	peak
4	300.3673	35.66	-8.15	27.51	46.00	-18.49	90	100	peak
5	400.4319	38.09	-6.74	31.35	46.00	-14.65	231	100	peak
6	601.4265	33.18	-3.32	29.86	46.00	-16.14	274	100	peak



> Spurious Emissions Above 1GHz

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
			Low Chann	el-2403MHz			•
2403	104.18	-7.23	96.95	114	-17.05	Н	PK
2403	95.62	-7.25	88.37	94	-5.63	Н	AV
4806	60.08	-3.92	56.16	74	-17.84	Н	PK
4806	46.30	-3.92	42.38	54	-11.62	Н	AV
7209	53.12	1.41	54.53	74	-19.47	Н	PK
7209	40.64	1.41	42.05	54	-11.95	Н	AV
2403	88.02	-7.23	80.79	114	-33.21	V	PK
2403	85.24	-7.25	77.99	94	-16.01	V	AV
4806	62.38	-3.92	58.46	74	-15.54	V	PK
4806	44.88	-3.92	40.96	54	-13.04	V	AV
7209	47.57	1.41	48.98	74	-25.02	V	PK
7209	41.04	1.41	42.45	54	-11.55	V	AV
			Middle Chan	nel-2441MHz			
2441	103.78	-7.08	96.70	114	-17.30	Н	PK
2441	93.76	-7.08	86.68	94	-7.32	Н	AV
4882	61.20	-3.45	57.75	74	-16.25	Н	PK
4882	45.56	-3.45	42.11	54	-11.89	Н	AV
7323	49.74	1.39	51.13	74	-22.87	Н	PK
7323	39.51	1.39	40.90	54	-13.10	Н	AV
2441	88.28	-7.08	81.20	114	-32.80	V	PK
2441	88.29	-7.08	81.21	94	-12.79	V	AV
4882	62.15	-3.45	58.70	74	-15.30	V	PK
4882	42.83	-3.45	39.38	54	-14.62	V	AV
7323	50.18	1.39	51.57	74	-22.43	V	PK
7323	40.08	1.39	41.47	54	-12.53	V	AV



Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector			
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V				
	Low Channel-2480MHz									
2480	101.66	-6.78	94.88	114	-19.12	Н	PK			
2480	94.31	-6.79	87.52	94	-6.48	Н	AV			
4960	64.16	-3.45	60.71	74	-13.29	Н	PK			
4960	45.36	-3.45	41.91	54	-12.09	Н	AV			
7440	50.00	1.45	51.45	74	-22.55	Н	PK			
7440	42.54	1.45	43.99	54	-10.01	Н	AV			
2480	88.54	-6.78	81.76	114	-32.24	V	PK			
2480	84.41	-6.79	77.62	94	-16.38	V	AV			
4960	62.22	-3.45	58.77	74	-15.23	V	PK			
4960	44.58	-3.45	41.13	54	-12.87	V	AV			
7440	51.29	1.45	52.74	74	-21.26	V	PK			
7440	41.22	1.45	42.67	54	-11.33	V	AV			

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 5th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. The measurements greater than 20dB below the limit from 9kHz to 30MHz..



5. Out of Band Emissions

5.1 Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

5.2 Test Procedure

As the radiation test, set the Lowest and Highest Transmitting Channel, observed the outside band of 2400MHz to 2483.5MHz, than mark the higher-level emission for comparing with the FCC rules.

5.3 Summary of Test Results/Plots

T4 J-	Frequency	Limit	D14	
Test mode	MHz	dBuV / dBc	Result	
	2310.00	<54 dBuV	Pass	
Lowest	2390.00	<54 dBuV	Pass	
	2400.00	<54 dBuV	Pass	
III: al- art	2483.50	<54 dBuV	Pass	
Highest	2500.00	<54 dBuV	Pass	

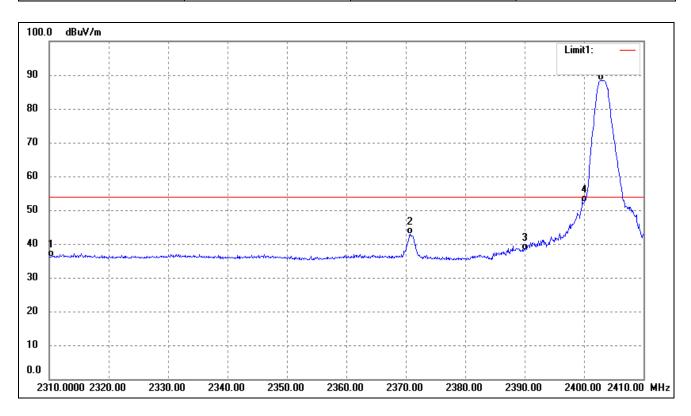
The edge emissions are below the FCC 15.209 Limits or complies with the 15.249 requirements.

Please refer to the test plots as below.

Report No.: WTX19X05030192W-1 Page 21 of 28 FCC Part 15.249



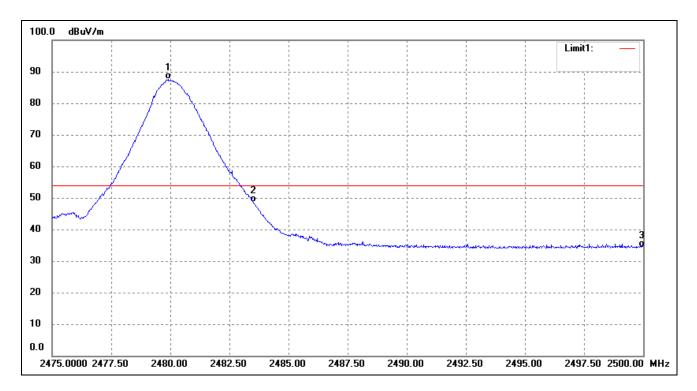




No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	43.97	-7.78	36.19	54.00	-17.81	Ave Detector
	2310.000	54.83	-7.78	47.05	74.00	-26.95	Peak Detector
2	2370.700	50.22	-7.43	42.79	54.00	-11.21	Ave Detector
3	2390.000	45.44	-7.32	38.12	54.00	-15.88	Ave Detector
	2390.000	57.30	-7.32	49.98	74.00	-24.02	Peak Detector
4	2400.000	61.75	-7.26	52.49	54.00	-1.51	Ave Detector







No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2479.900	94.31	-6.79	87.52	/	/	Ave Detector
	2480.325	101.66	-6.78	94.88	/	/	Peak Detector
2	2483.500	55.48	-6.77	48.71	54.00	-5.29	Ave Detector
	2483.500	74.94	-6.77	68.17	74.00	-5.83	Peak Detector
3	2500.000	40.93	-6.67	34.26	54.00	-19.74	Ave Detector
	2500.000	54.00	-6.67	47.33	74.00	-26.67	Peak Detector



6. Emission Bandwidth

6.1 Standard Applicable

According to 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. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

6.2 Test Procedure

According to the ANSI 63.10-2013, the emission bandwidth test method as follows.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set span = 1MHz, centered on a transmitting channel

RBW ≥1% 20dB Bandwidth, VBW ≥RBW

Sweep = auto

Detector function = peak

Trace = max hold

All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.

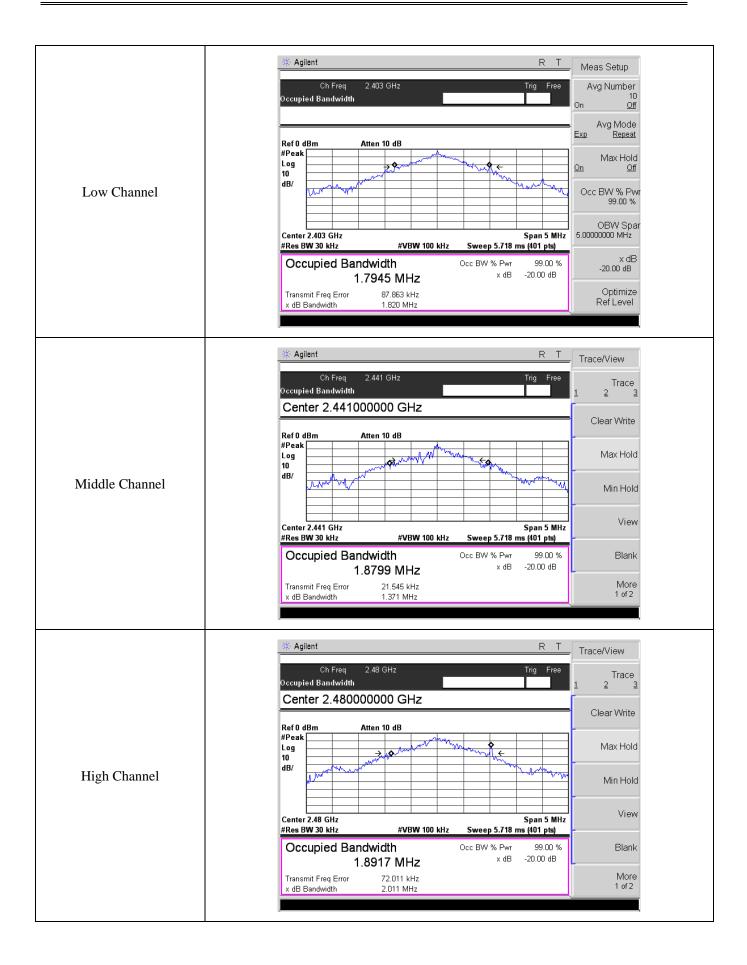
6.3 Summary of Test Results/Plots

Test Channel	20dB Bandwidth(kHz)
Low Channel	1820
Middle Channel	1371
High Channel	2011

Please refer to the following test plots

Report No.: WTX19X05030192W-1 Page 24 of 28 FCC Part 15.249







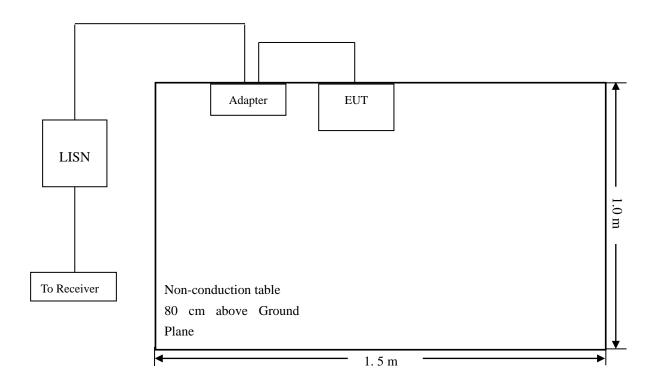
7. Conducted Emissions

7.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

7.2 Basic Test Setup Block Diagram



7.3 Test Receiver Setup

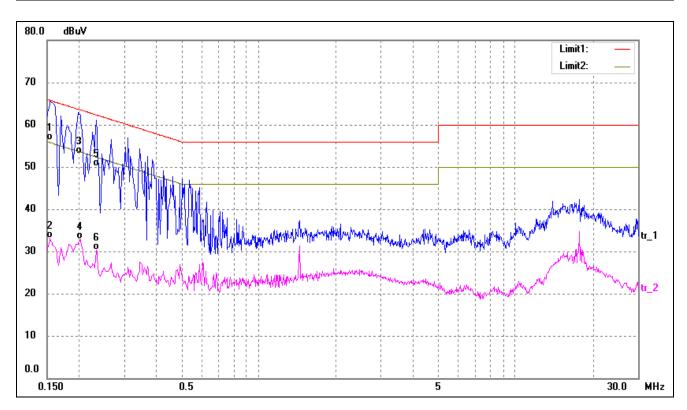
During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency	150 kHz
Stop Frequency	30 MHz
Sweep Speed	Auto
IF Bandwidth	10 kHz
Quasi-Peak Adapter Bandwidth	9 kHz
Quasi-Peak Adapter Mode	Normal

7.4 Summary of Test Results/Plots

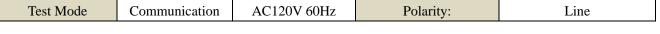


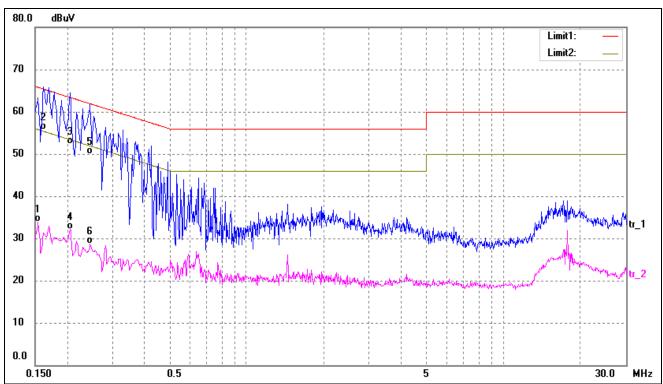




No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1540	46.46	9.85	56.31	65.78	-9.47	QP
2	0.1540	23.24	9.85	33.09	55.78	-22.69	AVG
3	0.1980	43.39	9.80	53.19	63.69	-10.50	QP
4	0.2020	23.11	9.80	32.91	53.53	-20.62	AVG
5	0.2340	40.28	9.80	50.08	62.31	-12.23	QP
6	0.2340	20.52	9.80	30.32	52.31	-21.99	AVG







No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1540	23.99	9.85	33.84	55.78	-21.94	AVG
2*	0.1620	45.91	9.84	55.75	65.36	-9.61	QP
3	0.2060	42.52	9.80	52.32	63.37	-11.05	QP
4	0.2060	22.30	9.80	32.10	53.37	-21.27	AVG
5	0.2460	40.09	9.80	49.89	61.89	-12.00	QP
6	0.2460	18.82	9.80	28.62	51.89	-23.27	AVG

***** END OF REPORT *****