

Neutron Engineering Inc.

EMC TEST Report

FCC ID: UFOOPA1001

This report concerns (check one) : Original Grant Class I Change

Issued Date : Dec. 05, 2006 Report No. : 0609046 Equipment : Wireless USB Adaptor Model No. : OPA-1001

Applicant: OPTOELECTRONICS CO., LTD.

A d d r e s s : 5-5-3 Tsukagoshi Warabi-Shi Saitama Pref. 335-0002 Japan

Tested by: Neutron Engineering Inc. EMC Laboratory Data of Test: Sep. 14, 2006 ~ Nov. 21, 2006

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Authorized Signatory

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Report No.: NEI-FCCP-1-0609046





Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A**.

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.





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1. CERTIFICATION

Equipment: Wireless USB Adaptor Trade Name: OPTICON Model No.: OPA-1001 Applicant: OPTOELECTRONICS CO., LTD. Data of Test: Sep. 14, 2006 ~ Nov. 21, 2006 Test Item: ENGINEERING SAMPLE Standards: FCC Part15, Subpart C / RSS-210: 2004/ ANCI C63.4 : 2003

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-0609046) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and CNLA according to the ISO-17025 quality assessment standard and technical standard(s).



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C							
Standard Test Item Judgment Remark							
15.207	Conducted Emission	PASS					
15.209 15.249	Radiated Spurious Emission	PASS					

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **C01/OS02** at the location of No.132-1, Lane 329, Sec. 2, Palain Road, Shijr City, Taipei, Taiwan.

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** % \circ

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
C01	ANSI	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	NOTE
OS-01	ANSI	30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	Н	3.60	
		200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	Н	3.94	
OS-02	ANSI	30MHz ~ 200MHz	V	2.48	
		30MHz ~ 200MHz	Н	2.16	
		200MHz ~ 1,000MHz	V	2.50	
		200MHz ~ 1,000MHz	Н	2.66	



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless USB Adaptor			
Trade Name	OPTICON			
Model No.	OPA-1001			
OEM Brand/Model No.	N/A			
Model Difference	N/A			
	The EUT is a Wireless L	JSB Adaptor.		
	Operation Frequency:	2405~2480 MHz		
	Modulation Type:	GID O-QPSK		
	Bit Rate of Transmitter	5Mbps		
	Number Of Channel	16 CH		
Product Description	Antenna Designation:	Integra		
	Antenna Gain(Peak)	2.4 dBi		
	Output Power:	4.19 dBm (Max.)		
		n, features, or specification exhibited		
	in User's Manual, the EL			
		More details of EUT technical		
	specification, please refe			
Channel List	Please refer to the Note	2.		
Power Source	Supplied from PC USB port.			
Power Rating	N/A			
Connecting I/O Port(s)	Please refer to the User's Manual			
Products Covered	N/A			

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

	Channel List							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
11	2405	15	2425	19	2445	23	2465	
12	2410	16	2430	20	2450	24	2470	
13	2415	17	2435	21	2455	25	2475	
14	2420	18	2440	22	2460	26	2480	



3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

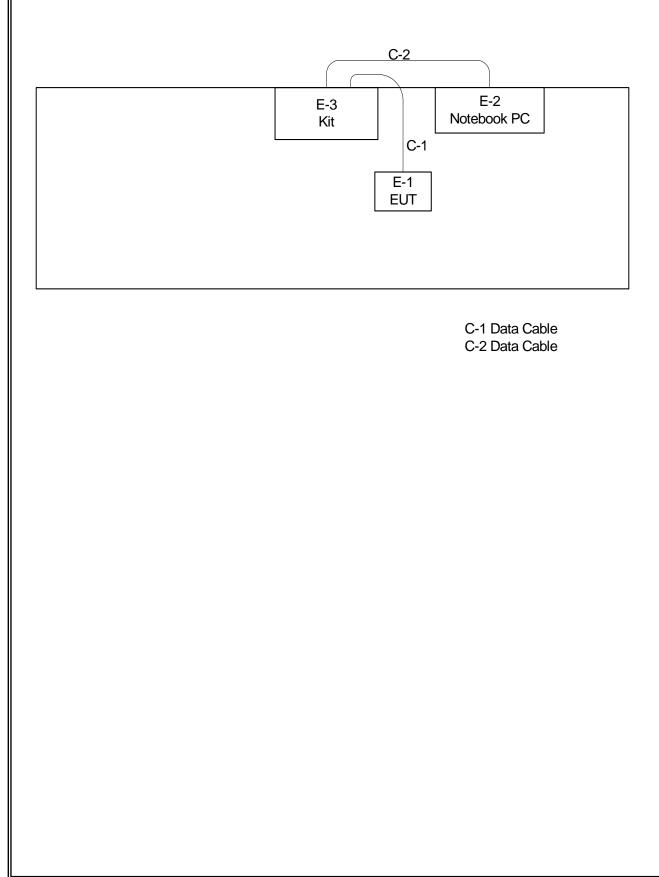
Pretest Test Mode	Description
Mode 1	CH11
Mode 2	CH18
Mode 3	CH26

For Conducted Test					
Final Test Mode Description					
Mode 1	CH11				

For Radiated Test					
Final Test Mode	Description				
Mode 1	CH11				
Mode 2	CH18				
Mode 3	CH26				



3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





3.4 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.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Wireless USB Adaptor	OPTICON	OPA-1001	UFOOPA1001	N/A	EUT
E-2	Notebook PC	DELL	D600	N/A	7T390 A03	
E-3	Kit	OPTICON	CRD-7734	N/A	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	NO	1.5M	
C-2	NO	NO	1.5M	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in ^[]Length ^[] column.





4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard	
	Quasi-peak	Average	Quasi-peak	Average	Stanuaru	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR	
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR	
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR	

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment Manufacturer		Type No.	Serial No.	Calibrated until
1	LISN Rolf Heine		NNB-2/16Z	98053	Dec. 18, 2007
2	4L-V-LISN	Rolf Heine	NNB-4/63TL	02/10040	Apr. 06, 2007
3	Pulse Limiter	Electro-Metrics	EM-7600	112644	Nov. 28, 2007
4	Test Cable	N/A	C01	N/A	Nov. 28, 2007
5	EMI Test Receiver	R&S	ESCI	100082	Feb. 01, 2007

Remark: " N/A" denotes No Model No., Serial No. or No Calibration specified.



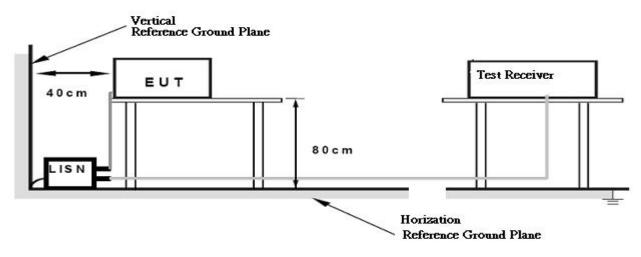


4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.
- 4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP





4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

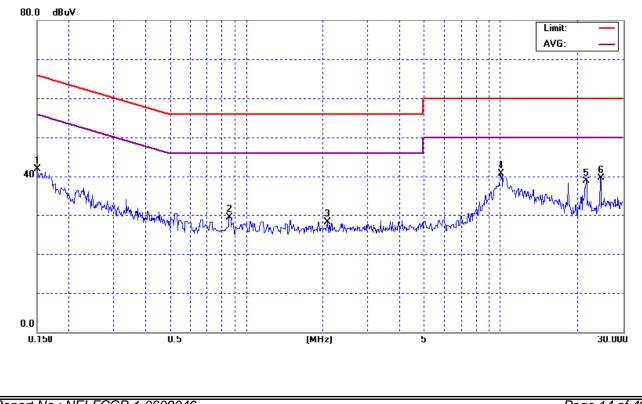


4.1.7 TEST RESULTS

EUT :		Wir	eless USB Ac	Model No.	:	OPA	-1001		
Temperati	ure :	26	°C	Relative Hu	Relative Humidity: 55 %				
Pressure :		101	0 hPa		Test Power	:	AC 1	20V/60Hz	
Test Mode):	CH	11						
Freq.	Termir	nal	Measure	d(dBuV)	Limits((dBuV)		Margin	Note
(MHz)	L/N		QP-Mode	AV-Mode	QP-Mode	AV-Mo	ode	(dB)	NOLE
0.15	Line		41.88	*	66.00	56.0	0	-24.12	(QP)
0.86	Line		29.39	*	56.00	46.0	0	-26.61	(QP)
2.08	Line		28.12	*	56.00	46.0	0	-27.88	(QP)
10.04	Line		40.67	*	60.00	50.0	0	-19.33	(QP)
21.68	Line		38.75 *		60.00	50.0	0	-21.25	(QP)
24.68	Line		39.59	*	60.00	50.0	0	-20.41	(QP)

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz;SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz ° Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=1MHz,VBW=10Hz, Swp. Time =0.3 sec./MHz °
- (2) All readings are QP Mode value unless otherwise stated AVG in column of ^ℂNote_□. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform ∘ In this case, a "*" marked in AVG Mode column of Interference Voltage Measured ∘
- (3) Measuring frequency range from 150KHz to 30MHz •

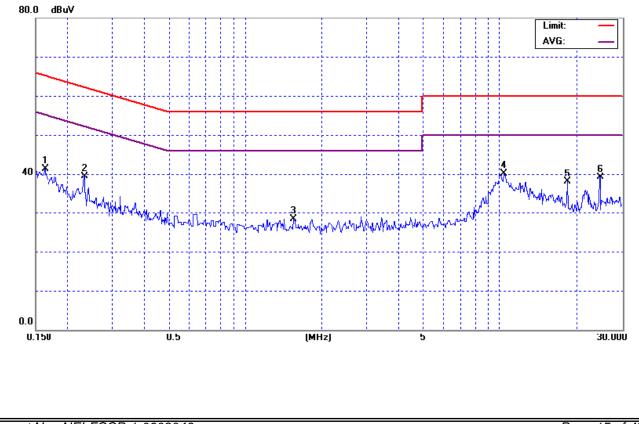




EUT:		Wir	eless USB Ac	Model No.	Model No. : OPA-1001				
Temperate	ure :	e: 26 °C			Relative Hu	Relative Humidity: 55 %			
Pressure :		101	0 hPa		Test Power	:	AC 1	20V/60Hz	
Test Mode):	СН	11						
Freq.	Termir	nal	Measure	d(dBuV)	Limits((dBuV)		Margin	Note
(MHz)	L/N		QP-Mode	AV-Mode	QP-Mode	AV-Mo	ode	(dB)	NOLE
0.16	Neutra	al	41.28	*	65.34	55.3	4	-24.06	(QP)
0.23	Neutra	al	39.27	*	62.34	52.34		-23.07	(QP)
1.55	Neutra	al	28.27	*	56.00	46.0	0	-27.73	(QP)
10.43	Neutra	al	40.09	*	60.00	50.0	0	-19.91	(QP)
18.43	Neutra	al	37.98	*	60.00	50.0	0	-22.02	(QP)
24.68	Neutra	al	39.04	*	60.00	50.0	0	-20.96	(QP)

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz, VBW =10KHz, Swp. Time = 0.3 sec./MHz ° Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=1MHz, VBW=10Hz, Swp. Time =0.3 sec./MHz °
- (2) All readings are QP Mode value unless otherwise stated AVG in column of "Note]. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform o In this case, a "*" marked in AVG Mode column of Interference Voltage Measured o
- (3) Measuring frequency range from 150KHz to 30MHz \circ



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4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (FCC 15.209)

FREQUENCY (MHz)	Class A	(dBuV)	Class B	Standard	
	10m	30m	10m	3m	Stanuaru
30.00 -230.00	40.00	30.00	30.00	40.00	CISPR
230.0 -1000.0	47.00	37.00	37.00	47.00	CISPR
30.00 - 88.00	39.00	N/A	30.00	40.00	FCC
88.00 - 216.0	43.50	N/A	33.50	43.50	FCC
216.0 -960.0	46.00	N/A	36.00	46.00	FCC
above 960.0	49.50	N/A	46.00	54.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) Emission level (dBuV/m)=20log Emission level (uV/m).

(3) A measuring distance of 10m is a primary used. However, either 3m or 10m (instead of 10m) distance my be allowed. If the distance is 3m, add 10dB to the QP-limit above. If the distance is 10m, subtract 10dB from the QP-limit above.

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.209)

FREQUENCY (MHz)	Class A (dBu	ıV/m) (at 3m)	Class B (dBuV/m) (at 3m)		
FREQUENCT (MHZ)	PEAK	AVERAGE	PEAK	AVERAGE	
Above 1000	80	60	74	54	

Notes:

(1) The limit for radiated test was performed according to FCC PART 15B.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC Part 15.249)

FCC Part15 (15.249), Subpart C					
Limit	Frequency Range (MHz)				
Field strength of fundamental 50000 μ V/m (94 dB μ V/m) @ 3 m	2400-2483.5				
Field strength of harmonics 500 μ V/m (54 dB μ V/m) @ 3 m					



Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Log-Bicon Antenna	MESS-ELEKTRONIK	VULB 9160	3058	Nov. 28, 2007
2	Test Cable	N/A	10M_OS02	N/A	Nov. 28, 2007
3	Test Cable	N/A	OS02-1/-2/-3	N/A	Nov. 28, 2007
4	Pre-Amplifier	Anritsu	MH648A	M09961	Nov. 28, 2007
5	EMI Test Receiver	R&S	ESCI	100082	Feb. 01, 2007
6	Antenna Mast	Chance Most	CMTB-1.5	N/A	N/A
7	Turn Table	Chance Most	CMTB-1.5	N/A	N/A

4.2.2 MEASUREMENT INSTRUMENTS LIST

Remark: " N/A" denotes No Model No. / Serial No. and No Calibration specified.

4.2.3 TEST PROCEDURE

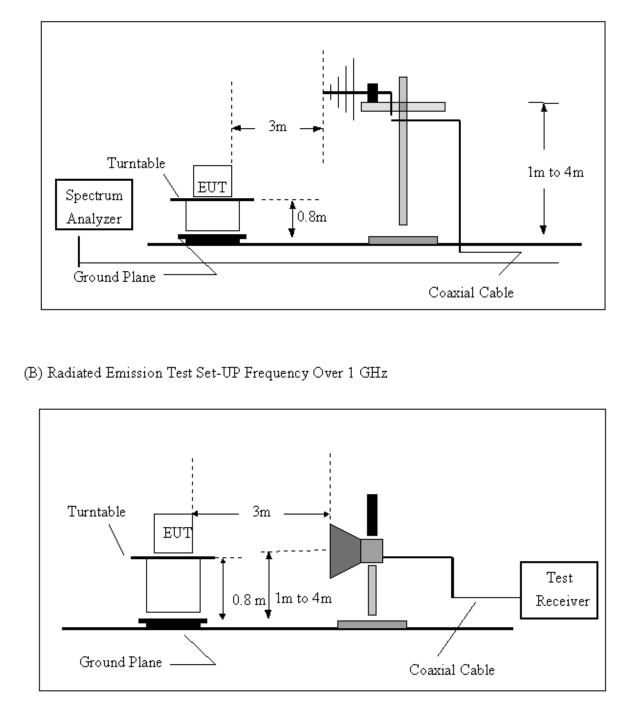
- a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD No deviation



4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

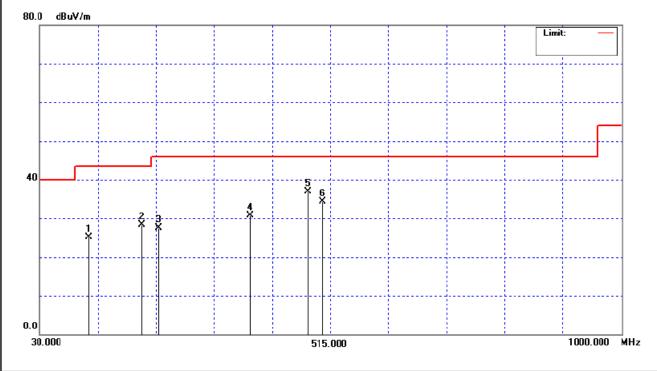


4.2.7 TEST RESULTS (Between 30 - 1000 MHz)

EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode	CH11 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
111.00	V	32.34	-7.24	25.10	43.50	- 18.40	(QP)
199.02	V	35.79	-7.57	28.22	43.50	- 15.28	(QP)
228.18	V	33.75	-6.17	27.58	46.00	- 18.42	(QP)
381.20	V	32.91	-2.18	30.73	46.00	- 15.27	(QP)
477.80	V	36.81	0.18	36.99	46.00	- 9.01	(QP)
501.60	V	33.82	0.45	34.27	46.00	- 11.73	(QP)

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ° "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

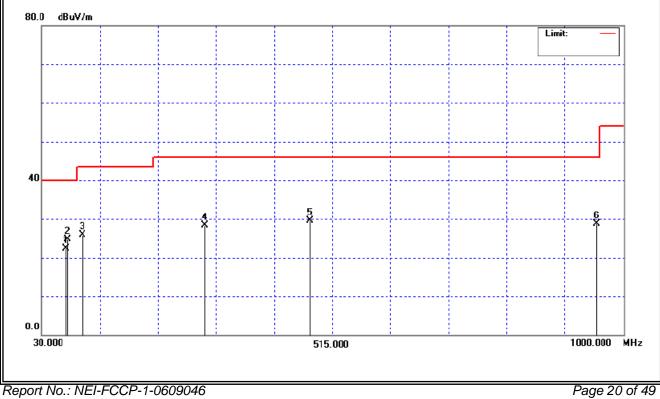




EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Lestimode	CH11 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

		-					
Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
68.88	Н	30.32	-8.03	22.29	40.00	- 17.71	(QP)
71.58	Н	33.32	-8.53	24.79	40.00	- 15.21	(QP)
95.88	Н	35.38	-9.38	26.00	43.50	- 17.50	(QP)
301.40	Н	32.28	-4.01	28.27	46.00	- 17.73	(QP)
477.80	Н	29.29	0.18	29.47	46.00	- 16.53	(QP)
955.20	Н	20.04	8.58	28.62	46.00	- 17.38	(QP)

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

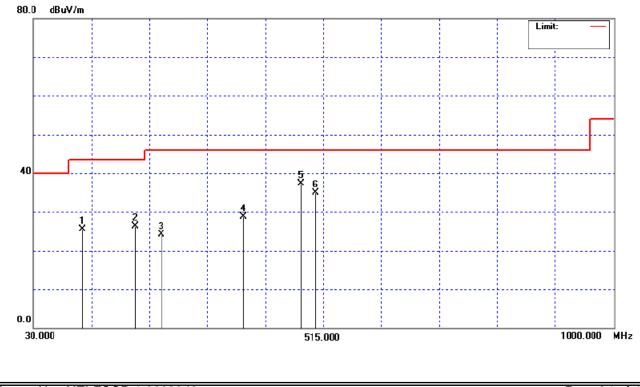




EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
	CH18 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
111.54	V	32.63	-7.20	25.43	43.50	- 18.07	(QP)
199.02	V	33.87	-7.57	26.30	43.50	- 17.20	(QP)
243.30	V	29.89	-5.80	24.09	46.00	- 21.91	(QP)
381.20	V	30.90	-2.18	28.72	46.00	- 17.28	(QP)
476.40	V	37.20	0.17	37.37	46.00	- 8.63	(QP)
501.60	V	34.45	0.45	34.90	46.00	- 11.10	(QP)

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ\]$
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

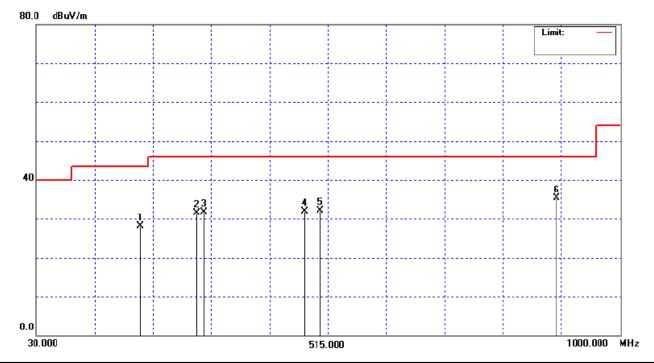




EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
restiviode	CH18 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

			1				
Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
200.00	Н	35.64	-7.58	28.06	43.50	- 15.44	(QP)
294.60	Н	35.64	-4.20	31.44	46.00	- 14.56	(QP)
308.40	Н	35.64	-3.86	31.78	46.00	- 14.22	(QP)
476.00	Н	31.64	0.17	31.81	46.00	- 14.19	(QP)
501.30	Н	31.64	0.45	32.09	46.00	- 13.91	(QP)
895.00	Н	27.64	7.67	35.31	46.00	- 10.69	(QP)

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

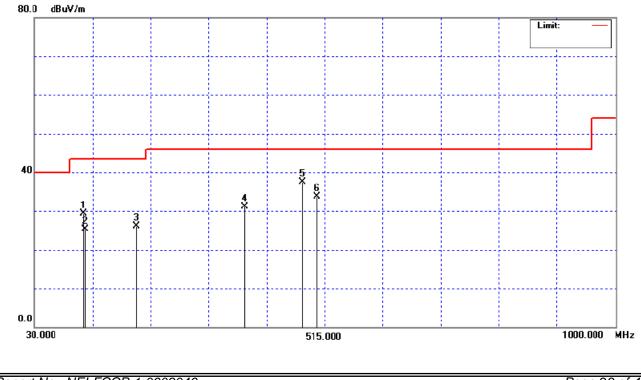




EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Testimode	CH26 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

		-				-	
Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
111.00	V	36.62	-7.24	29.38	43.50	- 14.12	(QP)
113.70	V	32.40	-7.02	25.38	43.50	- 18.12	(QP)
199.02	V	33.72	-7.57	26.15	43.50	- 17.35	(QP)
381.20	V	33.36	-2.18	31.18	46.00	- 14.82	(QP)
476.40	V	37.29	0.17	37.46	46.00	- 8.54	(QP)
501.60	V	33.21	0.45	33.66	46.00	- 12.34	(QP)

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

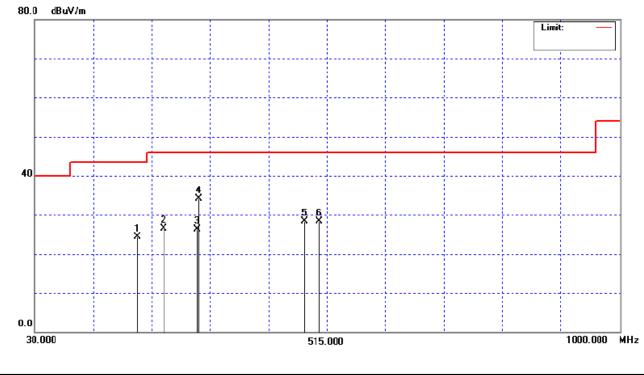




EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Lestimode	CH26 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
199.02	Н	31.88	-7.57	24.31	43.50	- 19.19	(QP)
243.30	Н	32.36	-5.80	26.56	46.00	- 19.44	(QP)
298.38	Н	30.36	-4.09	26.27	46.00	- 19.73	(QP)
301.40	Н	38.13	-4.01	34.12	46.00	- 11.88	(QP)
476.40	Н	28.09	0.17	28.26	46.00	- 17.74	(QP)
501.60	Н	27.91	0.45	28.36	46.00	- 17.64	(QP)

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.





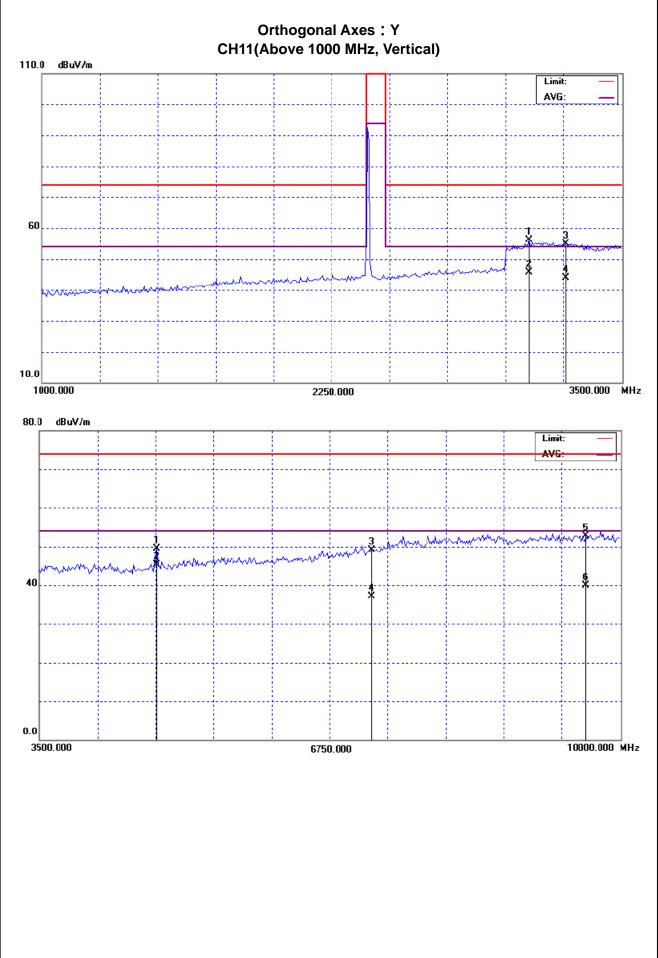
4.2.8 TEST RESULTS (Above 1000 MHz)

EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	60 %
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz
LIEST MIDDE	CH11 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

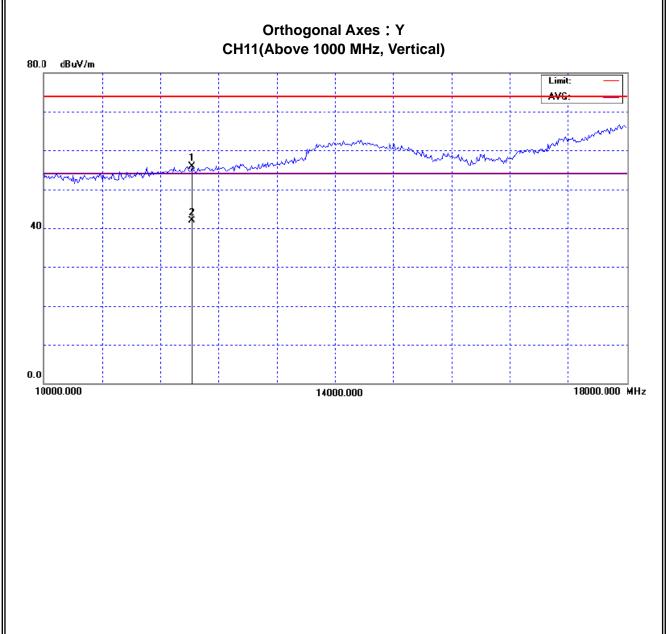
Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
3100.00	V	56.58	46.19	-0.45	56.13	45.74	74.00	54.00	Y/H
3260.00	V	54.97	43.77	0.02	54.99	43.79	74.00	54.00	Y/H
4813.00	V	46.51	42.26	3.09	49.60	45.35	74.00	54.00	Y/H
7215.00	V	41.68	29.63	7.38	49.06	37.01	74.00	54.00	Y/H
9620.00	V	42.81	29.96	9.94	52.75	39.90	74.00	54.00	Y/H
12025.00	V	42.90	28.93	13.02	55.92	41.95	74.00	54.00	Y/H

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand









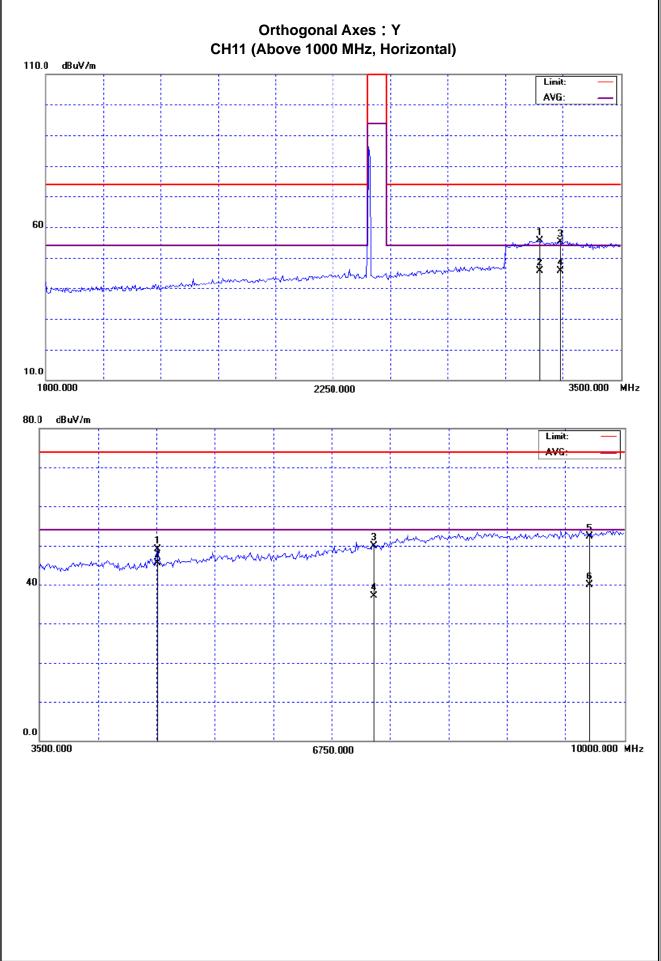


EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	60 %
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz
Lest Mode	CH11 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

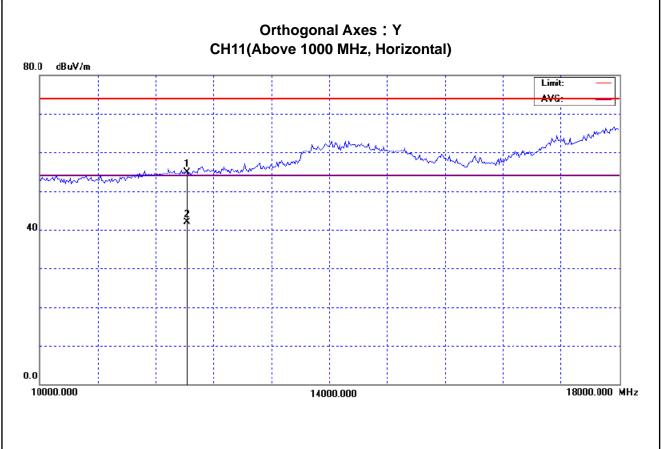
Freq.	Ant.Pol.	Reading		Ant./CF	F Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
3150.00	Н	56.01	45.83	-0.30	55.71	45.53	74.00	54.00	Y/H
3240.00	Н	55.16	45.72	-0.04	55.12	45.68	74.00	54.00	Y/H
4813.00	Н	45.94	42.36	3.09	49.03	45.45	74.00	54.00	Y/H
7215.00	Н	42.55	29.69	7.38	49.93	37.07	74.00	54.00	Y/H
9620.00	Н	42.35	29.97	9.94	52.29	39.91	74.00	54.00	Y/H
12025.00	Н	41.93	28.91	13.02	54.95	41.93	74.00	54.00	Y/H

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ\]$
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand











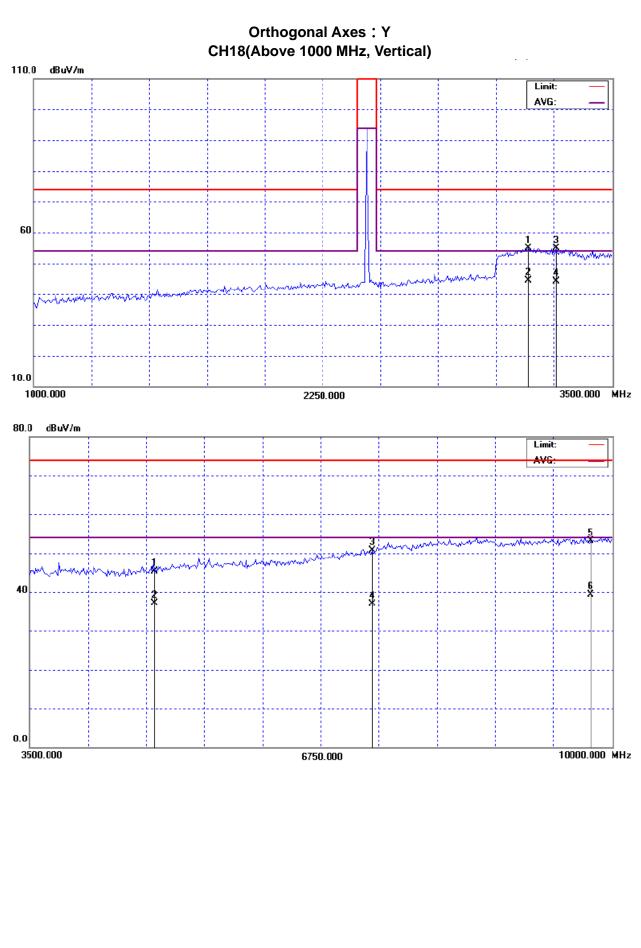


EUT :	Wireless USB Adaptor	Model No. :	OPA-1001				
Temperature :	25 ℃	Relative Humidity:	60 %				
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz				
restiviooe	CH18 (The worst case data from TX / RX with various orthogonal planes on the EUT antenna.)						

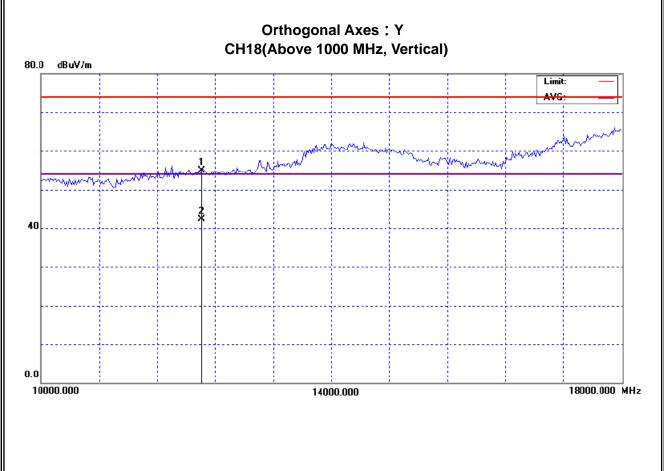
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
3140.00	V	55.10	44.66	-0.33	54.77	44.33	74.00	54.00	Y/H
3260.00	V	54.79	44.22	0.02	54.81	44.24	74.00	54.00	Y/H
4880.00	V	42.12	33.93	3.26	45.38	37.19	74.00	54.00	Y/H
7320.00	V	42.89	8.98	7.83	50.72	16.81	74.00	54.00	Y/H
9760.00	V	43.09	29.26	10.06	53.15	39.32	74.00	54.00	Y/H
12200.00	V	41.84	29.24	13.00	54.84	42.24	74.00	54.00	Y/H

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
 "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand









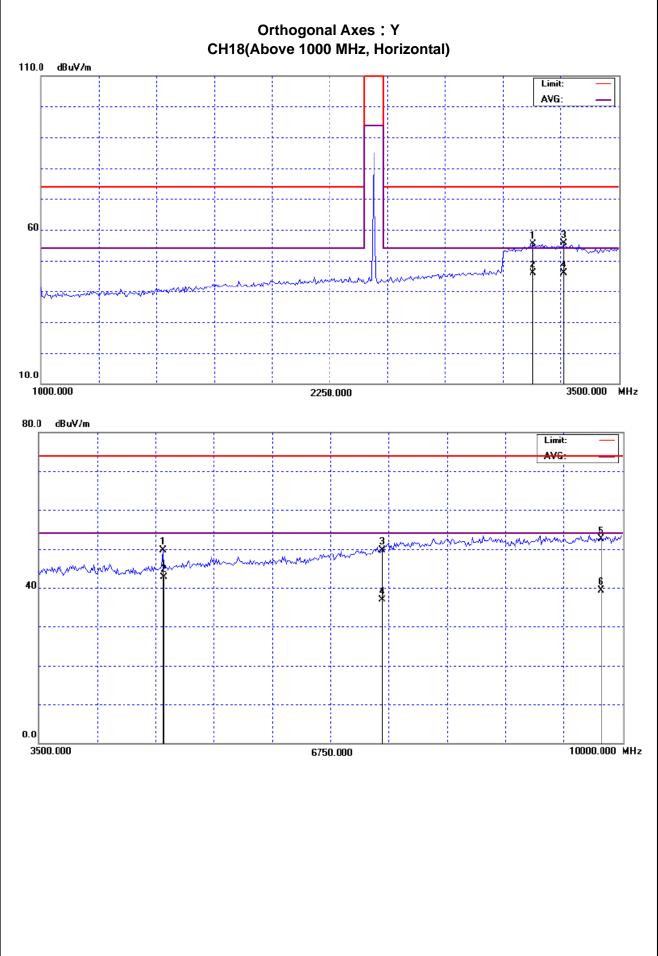


EUT :	Wireless USB Adaptor	Model No. :	OPA-1001				
Temperature :	25 ℃	Relative Humidity:	60 %				
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz				
Lest Mode	CH18 (The worst case data from TX / RX with various orthogonal planes on the EUT antenna.)						

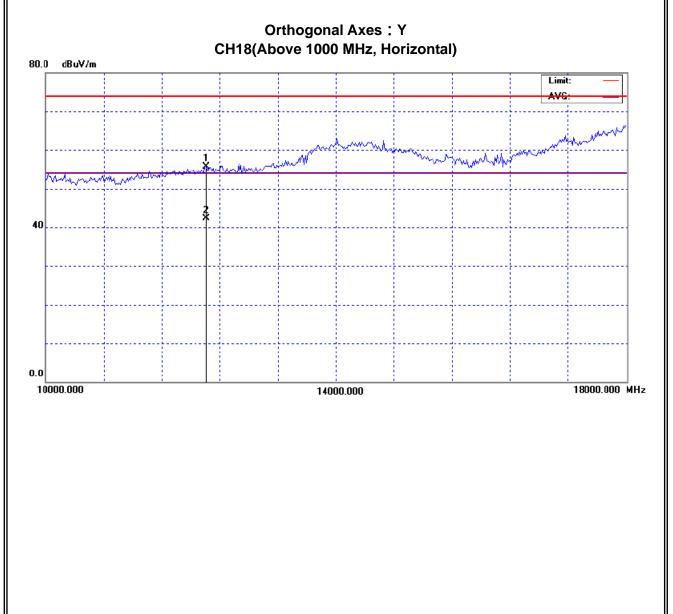
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
3130.00	Н	55.67	46.24	-0.36	55.31	45.88	74.00	54.00	Y/H
3265.00	Н	55.55	45.80	0.03	55.58	45.83	74.00	54.00	Y/H
4878.00	Н	46.40	39.40	3.25	49.65	42.65	74.00	54.00	Y/H
7320.00	Н	41.92	29.02	7.83	49.75	36.85	74.00	54.00	Y/H
9760.00	Н	42.37	29.29	10.06	52.43	39.35	74.00	54.00	Y/H
12200.00	Н	42.63	29.22	13.00	55.63	42.22	74.00	54.00	Y/H

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
 "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand











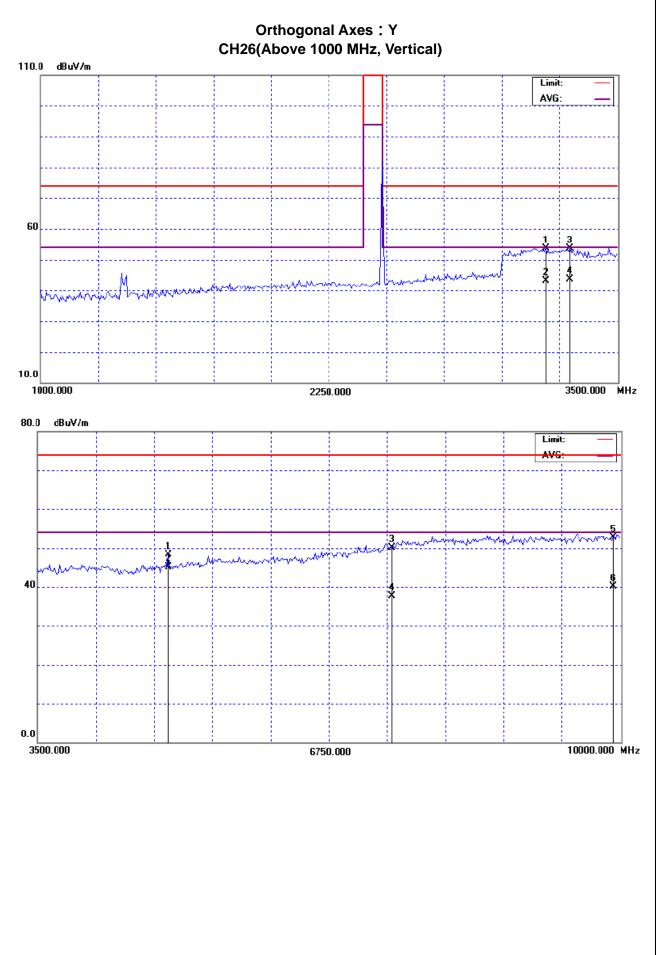


EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	emperature: 25 °C		60 %
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz
Test Mode	CH26 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

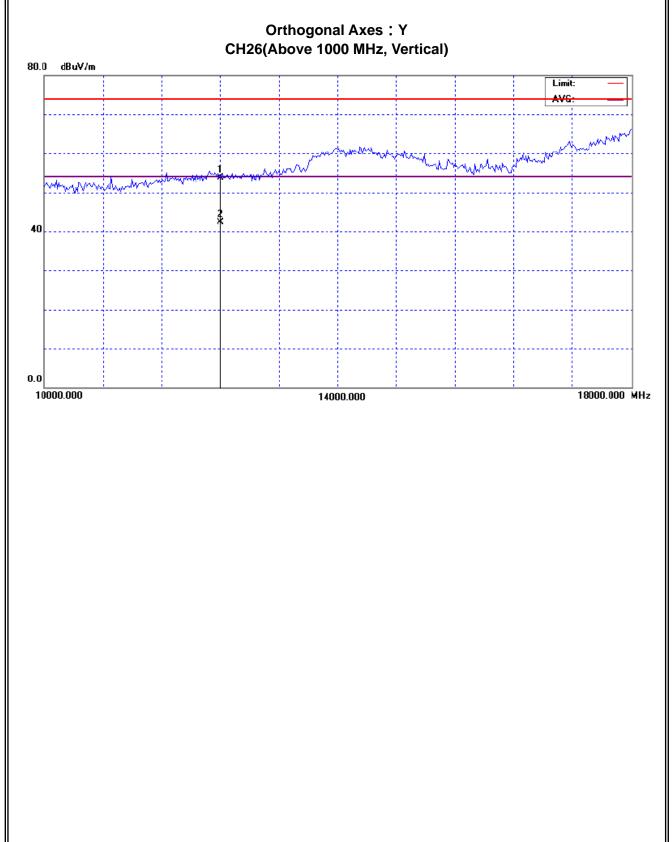
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
3190.00	V	53.87	43.35	-0.19	53.68	43.16	74.00	54.00	Y/H
3295.00	V	53.47	43.61	0.12	53.59	43.73	74.00	54.00	Y/H
4956.00	V	44.91	41.63	3.45	48.36	45.08	74.00	54.00	Y/H
7440.00	V	41.70	29.44	8.35	50.05	37.79	74.00	54.00	Y/H
9920.00	V	42.45	29.86	10.19	52.64	40.05	74.00	54.00	Y/H
12400.00	V	40.81	29.31	12.98	53.79	42.29	74.00	54.00	Y/H

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
 "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand









Report No.: NEI-FCCP-1-0609046

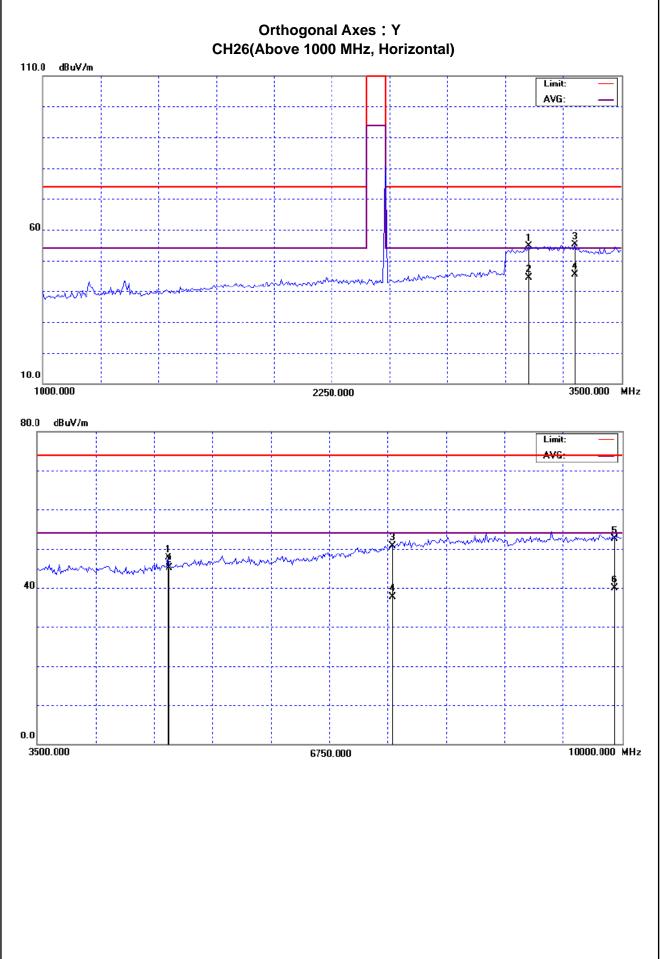


EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	60 %
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz
Lest Mode	CH26 (The worst case data from EUT antenna.)	m TX / RX with vario	us orthogonal planes on the

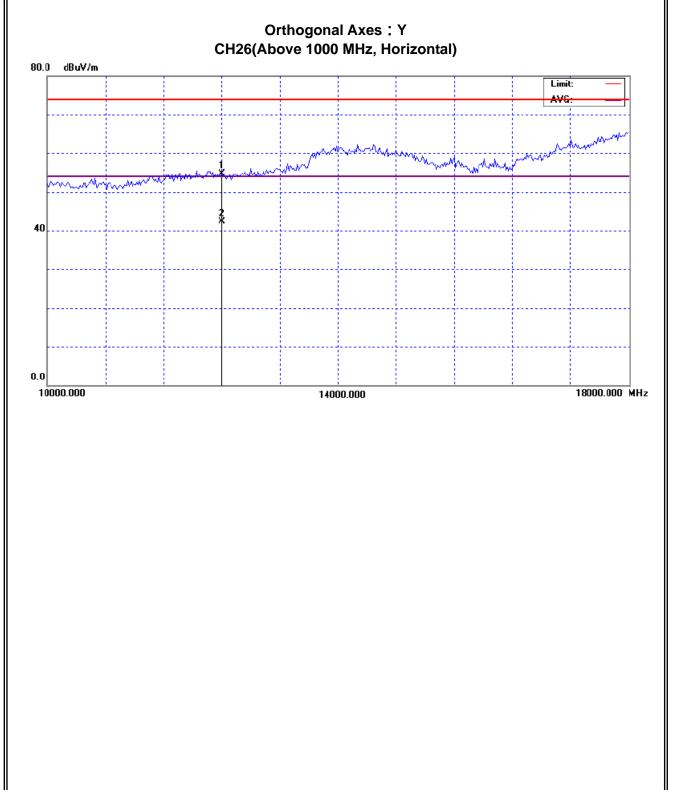
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
3100.00	Н	55.03	44.73	-0.45	54.58	44.28	74.00	54.00	Y/H
3300.00	Н	54.90	45.34	0.14	55.04	45.48	74.00	54.00	Y/H
4956.00	Н	44.31	41.72	3.45	47.76	45.17	74.00	54.00	Y/H
7440.00	Н	42.28	29.38	8.35	50.63	37.73	74.00	54.00	Y/H
9920.00	Н	42.25	29.81	10.19	52.44	40.00	74.00	54.00	Y/H
12400.00	Н	41.64	29.32	12.98	54.62	42.30	74.00	54.00	Y/H

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
 "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand











4.2.9 TEST RESULTS (2400 - 2483.5 MHz)

EUT :	Wireless USB Adaptor	Model No. :	OPA-1001
Temperature :	25 ℃	Relative Humidity:	60 %
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz
	802.11b/CH11 (The worst case planes on the EUT antenna.)	data from TX / RX w	ith various orthogonal

Freq.	Ant.Pol.	Rea	ding	Ant./CL/	Actua	al FS	Lim	it3m	
теч.	Ant.i 01.	Peak	AV	Ant./OL/	Peak	AV	Peak	AV	NOTE
(MHz)	(H/V)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2405.0	V	95.44	90.74	-2.95	92.49	87.79	114.00	94.00	CH11
2405.0	Н	89.34	84.77	-2.95	86.39	81.82	114.00	94.00	CH11
2440.0	V	96.42	91.54	-2.86	93.56	88.68	114.00	94.00	CH18
2440.0	Н	87.63	83.18	-2.86	84.77	80.32	114.00	94.00	CH18
2480.0	V	91.94	89.12	-2.76	89.18	86.36	114.00	94.00	CH26
2480.0	Н	85.36	88.25	-2.76	82.60	85.49	114.00	94.00	CH26

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (4) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) EUT Orthogonal Axes :
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand



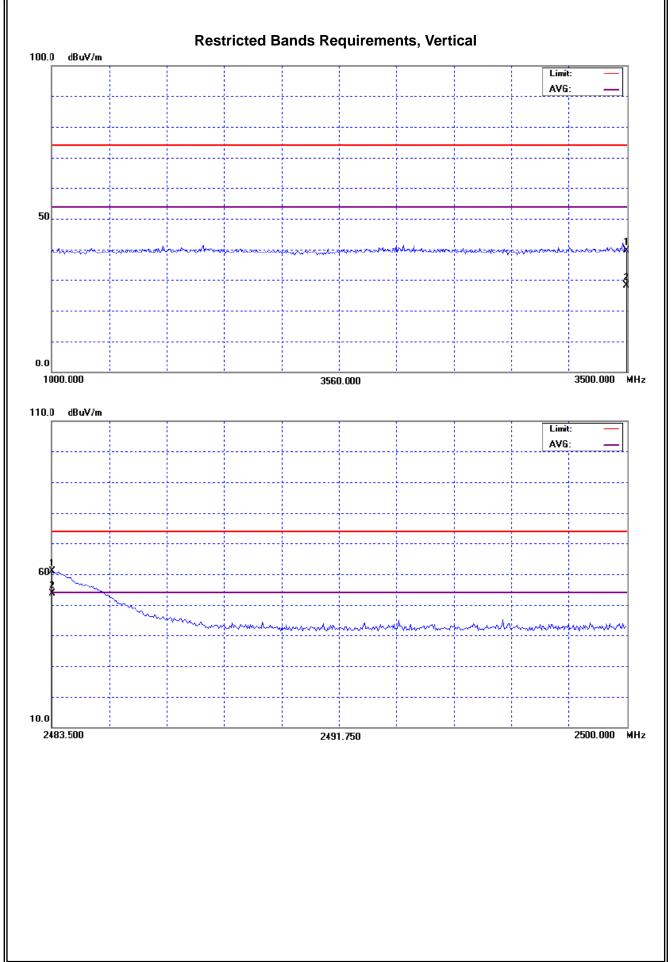
4.2.10 TEST RESULTS (Restricted Bands Requirements)

EUT :	Wireless USB Adaptor	Model No. :	OPA-1001						
Temperature :	25 ℃	Relative Humidity:	60 %						
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz						
Test Mode :	Vertical (The worst case data fr the EUT antenna.)	Vertical (The worst case data from TX / RX with various orthogonal planes on the EUT antenna.)							
Note :	 The emission of the carrier rad (Peak and AV) as following: 1. The transmitter was then con to transmit at the lowest cha measured at 2310-2390 MH 2. The transmitter was configur transmit at the highest chann measured at 2483.5-2500 M 	nfigured with the wor nnel (CH11). Then th z. red with the worst cas nel (CH26). Then the	st case antenna and setup le field strength was se antenna and setup to						

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	42.73	31.22	-2.99	39.74	28.23	74.00	54.00	Y
2483.50	V	63.52	56.29	-2.75	60.77	53.54	74.00	54.00	Y

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (3) EUT Orthogonal Axes:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand







EUT:	Wireless USB Adaptor	Model No. :	OPA-1001					
Temperature :	25 ℃	Relative Humidity:	60 %					
Pressure :	1023 hPa	Test Power :	AC 120V/60Hz					
Test Mode :	Horizontal (The worst case data from TX / RX with various orthogonal planes on the EUT antenna.)							
Note :	 The emission of the carrier radii (Peak and AV) as following: 1. The transmitter was then corrison to transmit at the lowest charmeasured at 2310-2390 MHz 2. The transmitter was configured transmit at the highest channel measured at 2483.5-2500 M 	nfigured with the wor nnel (CH11). Then th z. ed with the worst cas nel (CH26). Then the	st case antenna and setup le field strength was se antenna and setup to					

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	Н	42.40	31.56	-2.99	39.41	28.57	74.00	54.00	Y
2483.50	Н	60.54	53.01	-2.75	57.79	50.26	74.00	54.00	Y

- (1) Spectrum Setting : 30MHz 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (3) EUT Orthogonal Axes:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand



Restricted Bands Requirements, Horizontal 100.0 dBuV/m Limit: AVG: 50 0.0 1000.000 3500.000 MHz 3560.000 110.0 dBuV/m Limit: AVG: 60 10.0 2483.500 2491.750 2500.000 MHz



Neutron Engineering Inc.

5. EUT TEST PHOTO

Conducted Measurement Photos







Radiated Measurement Photos



