

Product Name	SoundStation Wireless Receiver
Model No.	SWM-1000R
FCC ID.	BJM-SWM1000R

Applicant	TATUNG CO.
Address	22, Chungshan N. Rd., 3rd Sec. Taipei, Taiwan, 104, R.O.C.

Date of Receipt	June 10, 2008
Issued Date	July 30, 2008
Report No.	086235R-RFUSP07V01
Version	V1.0

The Test Results relate only to the samples tested.

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Test Report Certification

Issued Date: July 30, 2008 Report No. : 086235R-RFUSP07V01



Product Name	SoundStation Wireless Receiver		
Applicant	TATUNG CO.		
Address	22, Chungshan N. Rd., 3rd Sec. Taipei, Taiwan, 104, R.O.C.		
Manufacturer	TATUNG CO.		
Model No.	SWM-1000R		
FCC ID.	BJM-SWM1000R		
Rated Voltage	120V/60Hz		
Working Voltage	120V/60Hz		
Trade Name	Polycom		
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2007		
	ANSI C63.4: 2003		
Test Result	Complied NVLAP Lab Code: 200533-0		

The Test Results relate only to the samples tested.

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Tested By

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Approved By

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(Deputy Manager / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	SoundStation Wireless Receiver
Trade Name	Polycom
FCC ID.	BJM-SWM1000R
Model No.	SWM-1000R
Frequency Range	2405 – 2477MHz
Type of Modulation	$\pi/4$ DQPSK (Differential Quadrature Phase Shift Keying)
Number of Channels	37
Channel Control	Auto
Antenna Type	Chip Antenna
Antenna Gain	Refer to the table "Antenna List"

Antenna List

No.	Manufacturer	Part No.	Peak Gain
1	WALSIN	RFANT7635110A1T	2dBi for 2.4 GHz

Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 2:	2405 MHz	Channel 3:	2407 MHz	Channel 4:	2409 MHz
Channel 5:	2411 MHz	Channel 6:	2413 MHz	Channel 7:	2415 MHz
Channel 8:	2417 MHz	Channel 9:	2419 MHz	Channel 10:	2421 MHz
Channel 11:	2423 MHz	Channel 12:	2425 MHz	Channel 13:	2427 MHz
Channel 14:	2429 MHz	Channel 15:	2431 MHz	Channel 16:	2433 MHz
Channel 17:	2435 MHz	Channel 18:	2437 MHz	Channel 19:	2439 MHz
Channel 20:	2441 MHz	Channel 21:	2443 MHz	Channel 22:	2445 MHz
Channel 23:	2447 MHz	Channel 24:	2449 MHz	Channel 25:	2451 MHz
Channel 26:	2453 MHz	Channel 27:	2455 MHz	Channel 28:	2457 MHz
Channel 29:	2459 MHz	Channel 30:	2461 MHz	Channel 31:	2463 MHz
Channel 32:	2465 MHz	Channel 33:	2467 MHz	Channel 34:	2469 MHz
Channel 35:	2471 MHz	Channel 36:	2473 MHz	Channel 37:	2475 MHz
Channel 38:	2477 MHz				

Note:

- 1. The EUT is a SoundStation Wireless Receiver with a built-in 2.4GHz transceiver
- 2. These tests are conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.249.
- 3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
- 4. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

EMI Test Mode Mode 1: Transmitter	
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1.2. Operation Description

The EUT is a SoundStation Wireless Receiver with a built-in 2.4GHz transceiver. The EUT operation frequency is 2.405GHz-2.477GHz. The signals modulated by $\pi/4$ DQPSK (Differential Quadrature Phase Shift Keying) are transmitted from the Chip Antenna of the EUT.

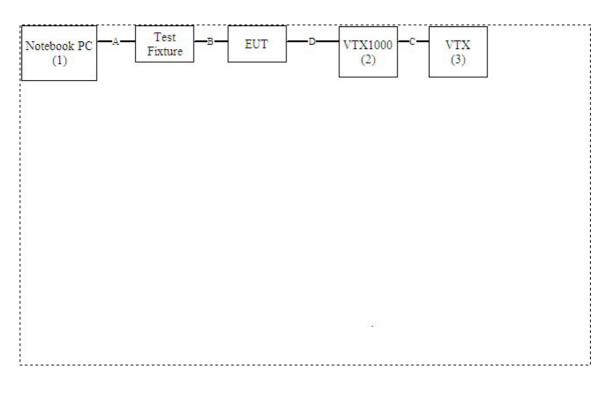
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model No.	Serial No.	Power Cord
1.	Notebook PC	ASUS	L4000L	37NP067733	Non-Shielded, 0.8m
2.	VTX1000	Polycom	VTX1000	N/A	N/A
3.	VTX	Polycom	VTX	N/A	N/A

Sig	nal Cable Type	Signal cable Description
A.	Controller Cable	Non-Shielded, 0.3m
В	USB Cable	Shielded, 1.2m
С	LAN Cable	Non-Shielded, 4.2m
D	Telecom Cable	Non-Shielded, 0.3m

1.4. Configuration of Test System



1.5. EUT Exercise Software

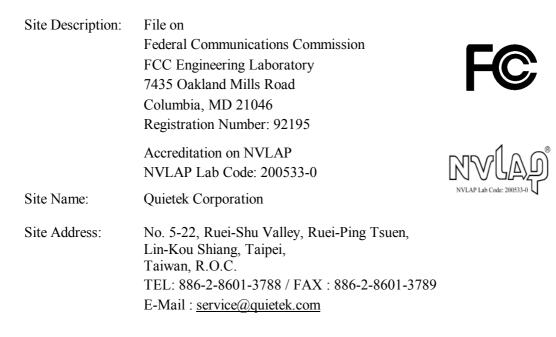
- (1) Setup the EUT as shown in section 1.4.
- (2) Connect the EUT to a notebook via a USB
- (3) Execute Avnera Wireless.exe on the notebook.
- (4) Double-click "Audio Suite Ver1.67" and select USB as a primary connection interface.
- (5) Setup the test channel.
- (6) Presses "Apply" to start the continuous transmit.
- (7) Verify that the EUT works correctly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site : <u>http://tw.quietek.com/modules/myalbum/</u> The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : <u>http://www.quietek.com/</u>



FCC Accreditation Number: TW1014



2. Conducted Emission

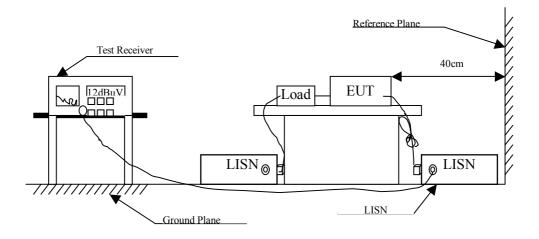
2.1. Test Equipment

The following test equipment are used during the conducted emission test:

Item	Instrument	Manufacturer	Type No./Serial No	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/17	May, 2008	
2	L.I.S.N.	R & S	ESH3-Z5/825016/6	May, 2008	EUT
3	L.I.S.N.	Kyoritsu	KNW-407/8-1420-3	May, 2008	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2	May, 2008	
5	No.1 Shielded Roor	n	N/A		
	A 11 * /	111 / 1			

Note: All instruments are calibrated every one year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit					
Frequency	Limits				
MHz	QP	AV			
0.15 - 0.50	66-56	56-46			
0.50-5.0	56	46			
5.0 - 30	60	50			

Remarks: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Uncertainty

± 2.26 dB

2.6. Test Result of Conducted Emission

Product	:	SoundStation Wireless Receiver
Test Item	:	Conducted Emission Test
Power Line	:	Line 1
Test Mode	:	Mode 1: Transmitter (2441MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV	dB	dBuV
LINE 1					
Quasi-Peak					
0.275	9.830	38.320	48.150	-14.279	62.429
0.697	9.830	34.370	44.200	-11.800	56.000
1.650	9.840	36.710	46.550	-9.450	56.000
2.498	9.850	41.190	51.040	-4.960	56.000
4.205	9.860	42.050	51.910	-4.090	56.000
24.822	10.240	24.770	35.010	-24.990	60.000
Average					
0.275	9.830	27.760	37.590	-14.839	52.429
0.697	9.830	21.450	31.280	-14.720	46.000
1.650	9.840	19.380	29.220	-16.780	46.000
2.498	9.850	24.320	34.170	-11.830	46.000
4.205	9.860	24.600	34.460	-11.540	46.000
24.822	10.240	15.940	26.180	-23.820	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.

2. " " means the worst emission level.

3. Measurement Level = Reading Level + Correct Factor

Product Test Item	 SoundStation Wireless Receiver Conducted Emission Test 							
Power Line	: Line 2							
Test Mode		: Transmitter (244	1MHz)					
		()					
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	dB	dBuV	dBuV	dB	dBuV			
LINE 2								
Quasi-Peak								
0.267	9.854	37.600	47.454	-15.203	62.657			
0.681	9.830	33.060	42.890	-13.110	56.000			
1.662	9.840	37.310	47.150	-8.850	56.000			
2.658	9.850	40.160	50.010	-5.990	56.000			
4.193	9.860	40.940	50.800	-5.200	56.000			
18.099	10.220	26.890	37.110	-22.890	60.000			
Average								
0.267	9.854	28.640	38.494	-14.163	52.657			
0.681	9.830	20.830	30.660	-15.340	46.000			
1.662	9.840	19.830	29.670	-16.330	46.000			
2.658	9.850	22.250	32.100	-13.900	46.000			
4.193	9.860	23.740	33.600	-12.400	46.000			
18.099	10.220	14.810	25.030	-24.970	50.000			

- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " means the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor

3. Radiated Emission

3.1. Test Equipment

Test Site	Equipment		Manufacturer	Model No./Serial No.	Last Cal.
Site # 1		Test Receiver	R & S	ESVS 10 / 834468/003	May, 2008
		Spectrum Analyzer	Advantest	R3162/ 00803480	May, 2008
		Pre-Amplifier	Advantest	BB525C/ 3307A01812	May, 2008
		Bilog Antenna	SCHAFFNER	CBL6112B / 2697	Sep., 2007
Site # 2		Test Receiver	R & S	ESCS 30 / 836858 / 022	May, 2008
		Spectrum Analyzer	Advantest	R3162 / 100803466	May, 2008
		Pre-Amplifier	Advantest	BB525C/3307A01814	May, 2008
		Bilog Antenna	SCHAFFNER	CBL6112B / 2705	May, 2008
		Horn Antenna	ETS	3115 / 0005-6160	Sep., 2007
		Pre-Amplifier	QTK	QTK-AMP-01/0001	May, 2008
Site # 3	Х	Test Receiver	R & S	ESI 26 / 838786/004	May, 2008
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008
	Х	Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2008
	Х	Horn Antenna	Schwarzbeck	BBHA9120D / 305, 306	July, 2008
	Х	Horn Antenna	Schwarzbeck	BBHA9170 / 208, 209	July, 2008
	Х	Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2008
	Х	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2008
	Х	Pre-Amplifier	HP	8449B / 3008A01123	July, 2008

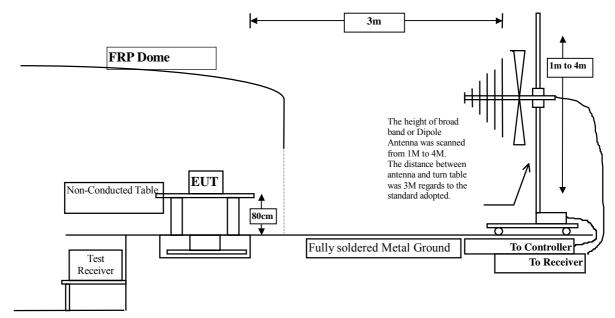
The following test equipment are used during the radiated emission test:

Note: 1. All equipments are calibrated every one year.

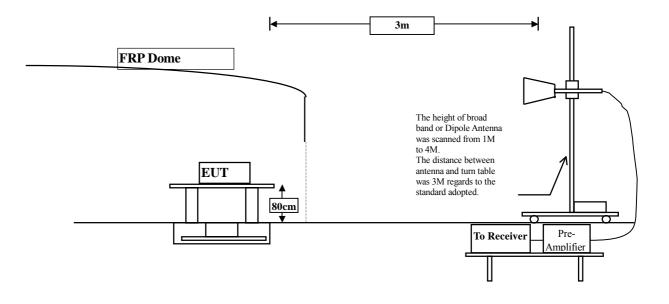
2. Test equipments marked by "X" are used to measure the final test results.

3.2. Test Setup

Below 1GHz



Above 1GHz



3.3. Limits

FCC Part 15 Subpart C Paragraph 15.249 Limits							
Frequency	Field Strength	of Fundamental	Field Strength of Harmonics				
MHz	(mV/m @3m)	(mV/m @3m) (dBuV/m @3m)		(dBuV/m @3m)			
902-928	50	94	500	54			
2400-2483.5	50	94	500	54			
5725-5875	50	94	500	54			

> Fundamental and Harmonics Emission Limits

Remarks : 1. RF Voltage $(dBuV/m) = 20 \log RF$ Voltage (uV/m)

2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➤ General Radiated Emission Limits

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

FCC Part 15 Subpart C Paragraph 15.209 Limits							
Frequency MHz	100 m						
30-88	100	40					
88-216	150	43.5					
216-960	200	46					
Above 960	500	54					

Remarks : 1. RF Voltage $(dBuV/m) = 20 \log RF$ Voltage (uV/m)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

Radiated emission measurements below 1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement. The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB beamwidth of the antenna. The worst radiated emission is measured on the Final Measurement.

The frequency range from 30MHz to 10th harminics is checked.

3.5. Uncertainty

- ± 3.9 dB above 1GHz
- ± 3.8 dB below 1GHz

3.6. Test Result of Radiated Emission

Product	:	SoundStation Wireless Receiver
Test Item	:	Fundamental Radiated Emission
Test Site	:	No.3OATS
Test Mode	:	Mode 1: Transmitter

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
2405.000	-2.303	95.930	93.627	-20.373	114.000
2441.000	-2.128	95.890	93.761	-20.239	114.000
2477.000	-1.966	94.990	93.025	-20.975	114.000
Horizontal					
Average Detector:					
2405.000	-2.303	90.330	88.027	-5.973	94.000
2441.000	-2.128	90.660	88.531	-5.469	94.000
2477.000	-1.966	90.550	88.585	-5.415	94.000

- 1. Measurement Level = Reading Level + Correct Factor.
- 2. Correct Factor = Antenna Factor + Cable Loss PreAMP.

Product Test Item Test Site Test Mode	:	SoundStation Wireless Receiver Fundamental Radiated Emission No.3OATS Mode 1: Transmitter						
Frequency		Correct Factor	Reading Level	Measurement Level	Margin	Limit		
MHz		dB	dBuV	dBuV/m	dB	dBuV/m		
Vertical								
Peak Detector:								
2405.000		-2.303	95.150	92.847	-21.153	114.000		
2441.000		-2.128	95.810	93.681	-20.319	114.000		
2477.000		-1.966	94.150	92.185	-21.815	114.000		
Vertical								
-	Average Detector:							
2405.000		-2.303	92.540	90.237	-3.763	94.000		
2441.000		-2.128	93.610	91.481	-2.519	94.000		
2477.000		-1.966	92.170	90.205	-3.795	94.000		

Note:

1. Measurement Level = Reading Level + Correct Factor.

2. Correct Factor = Antenna Factor + Cable Loss – PreAMP.

Product :	SoundStatic	SoundStation Wireless Receiver								
Test Item :	Harmonic R	Harmonic Radiated Emission Data								
Test Site :	No.3 OATS									
Test Mode :	Mode 1: Tra	Mode 1: Transmitter (2405 MHz)								
Frequency	Correct	Reading	Measurement	Margin	Peak					
	Factor	Level	Level		Limit					
MHz	dB	dBuV	dBuV/m	dB	dBuV/m					
Horizontal										
Peak Detector:										
4810.000	3.681	42.100	45.781	-28.189	74.000					
7215.000	9.381	40.700	50.081	-23.889	74.000					
9620.000	11.834	37.630	49.464	-24.506	74.000					
Average Detector										
Vertical										
Peak Detector:										
4810.000	3.681	41.950	45.631	-28.339	74.000					
7215.000	9.381	41.810	51.191	-22.779	74.000					
9620.000	11.834	36.070	47.904	-26.066	74.000					
Average Detector			Average Detector							

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz_o
- 3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:5MHz_o
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	: SoundStatio	SoundStation Wireless Receiver					
Test Item	: Harmonic R	Harmonic Radiated Emission Data					
Test Site	: No.3 OATS						
Test Mode	: Mode 1: Tra	ansmitter (2441	MHz)				
Frequency	Correct	Reading	Measurement	Margin	Peak		
	Factor	Level	Level		Limit		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4882.000	3.921	40.870	44.791	-29.179	74.000		
7323.000	9.657	38.000	47.657	-26.313	74.000		
9764.000	11.798	36.840	48.638	-25.332	74.000		
Average Detector							
Vertical							
Peak Detector:							
4882.000	3.921	40.160	44.081	-29.889	74.000		
7323.000	9.657	40.410	50.067	-23.903	74.000		
9764.000	11.798	36.240	48.038	-25.932	74.000		
Average Detector							

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz_o
- 3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:5MHz_o
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product :	SoundStatic	SoundStation Wireless Receiver					
Test Item :	Harmonic R	adiated Emissic	on Data				
Test Site :	No.3 OATS						
Test Mode :	Mode 1: Tra	ansmitter (2477	MHz)				
Frequency	Correct	Reading	Measurement	Margin	Peak		
	Factor	Level	Level	-	Limit		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4954.000	4.176	40.450	44.626	-29.344	74.000		
7431.000	9.933	37.330	47.263	-26.707	74.000		
9908.000	11.851	36.310	48.162	-25.808	74.000		
Average Detector							
Vertical							
Peak Detector:							
4954.000	4.176	40.910	45.086	-28.884	74.000		
7431.000	9.933	39.810	49.743	-24.227	74.000		
9908.000	11.851	36.130	47.982	-25.988	74.000		
Average Detector							

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz_o
- 3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:5MHz_o
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	:	SoundStation Wireless Receiver
Test Item	:	General Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (2441 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
336.520	14.414	23.639	38.053	-7.947	46.000
400.540	16.687	21.117	37.804	-8.196	46.000
577.080	19.784	19.020	38.804	-7.196	46.000
623.640	20.810	16.973	37.783	-8.217	46.000
672.140	20.553	16.906	37.459	-8.541	46.000
897.180	22.121	11.454	33.575	-12.425	46.000
Vertical					
480.080	18.459	12.938	31.397	-14.603	46.000
528.580	18.993	14.920	33.913	-12.087	46.000
672.140	19.948	13.006	32.954	-13.046	46.000
749.740	23.178	7.697	30.875	-15.125	46.000
815.700	21.536	8.252	29.788	-16.212	46.000
926.280	24.105	7.159	31.264	-14.736	46.000

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. "" " means the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor

Band Edge 4.

4.1. **Test Equipment**

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Х	Test Receiver	R & S	ESI 26 / 838786/004	May, 2008
Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008
Х	Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2008
Х	Horn Antenna	Schwarzbeck	BBHA9120D / 305, 306	July, 2008
Х	Horn Antenna	Schwarzbeck	BBHA9170 / 208, 209	July, 2008
Х	Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2008
Х	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2008
Х	Pre-Amplifier	HP	8449B / 3008A01123	July, 2008
OAT	S No.3			

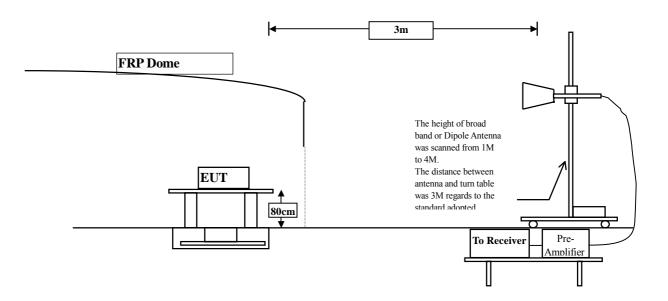
Note: 1. All equipments are calibrated every one year.

2. The test equipments marked by "X" are used to measure the final test results.

4.2. Test Setup

RF Radiated Measurement:

Above 1GHz



4.3. Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 50 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30)is 120 kHz, above 1GHz are 1 MHz.

4.5. Uncertainty

Conducted is \pm 1.27 dB Radiated is \pm 3.9 dB.

4.6. Test Result of Band Edge

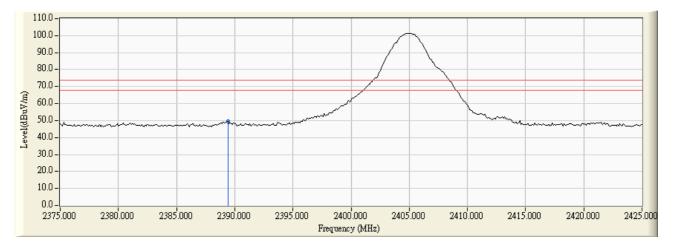
Product	:	SoundStation Wireless Receiver
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	÷	Mode 1: Transmitter (2405 MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
02(Peak)	2389.400	7.507	41.849	49.357	74.000	54.000	Pass
02(Average)					74.000	54.000	Pass

Figure Channel 02:

Horizontal (Peak)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

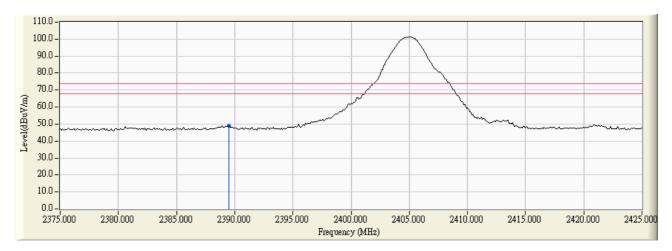
Product	:	SoundStation Wireless Receiver
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (2405 MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
02(Peak)	2389.500	7.509	41.493	49.001	74.000	54.000	Pass
02(Average)					74.000	54.000	Pass

Figure Channel 02:

Vertical (Peak)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

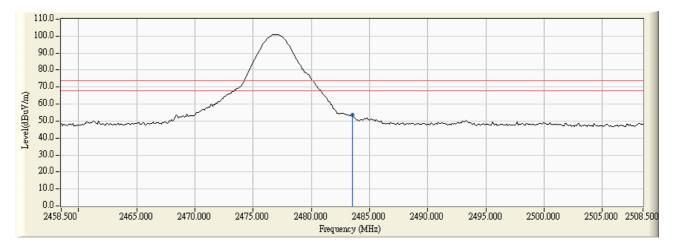
Product	:	SoundStation Wireless Receiver
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (2477 MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
38(Peak)	2483.500	8.054	45.367	53.421	74.000	54.000	Pass
38(Average)					74.000	54.000	Pass

Figure Channel 38:

Horizontal(Peak)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	SoundStation Wireless Receiver
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (2477 MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
38(Peak)	2483.500	8.054	46.430	54.484	74.000	54.000	Pass
38(Average)	2483.500	8.054	36.405	44.459	74.000	54.000	Pass

Figure Channel 38:

Vertical(Peak)

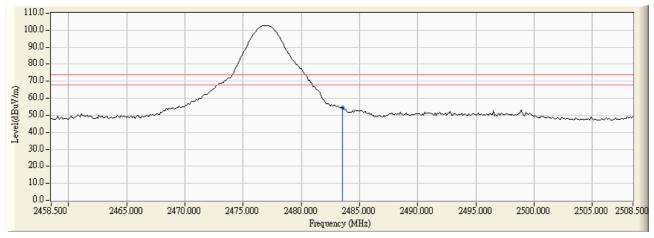
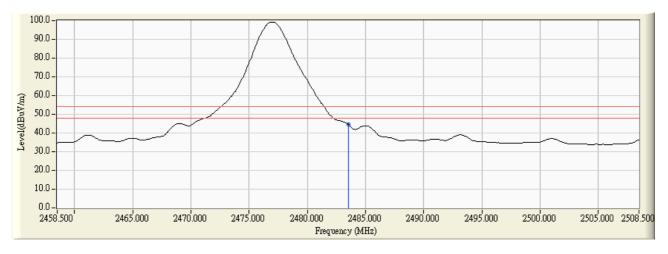


Figure Channel 38:

Vertical(Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

5. EMI Reduction Method During Compliance Testing

No modification was made during testing.