

FCC 47 CFR PART 22H and 24E

Product Type : MTP1121 PCI Express Mini Card

Applicant : Microlink Communications Inc.

Address : No. 49, Sec. 4, Jhongyang Rd., Tucheng City, Taipei County
236, Taiwan (R.O.C.)

Trade Name : Microlink

Model Number : MTP1121

Test Specification : FCC 47 CFR PART 22H: Oct, 2009
FCC 47 CFR PART 24E: Oct, 2009
ANSI/TIA-603-C-2004

Application Purpose: : Class II Permissive Change

Receive Date : Jul. 24, 2011

Issue Date : Nov. 21, 2011

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

Note: This report shall not be reproduced except in full, without the written approval of A Test Lab Techno Corp. This document may be altered or revised by A Test Lab Techno Corp. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, or any government agencies. The test results in the report only apply to the tested sample.

Revision History

Rev.	Issue Date	Revisions	Revised By
00	Nov. 02, 2011	Initial Issue	
01	Nov. 21, 2011	Re-move AC power conducted emissions results.	Joyce Liao

Verification of Compliance

Issued Date: 11/21/2011

Product Type : MTP1121 PCI Express Mini Card
Applicant : Microlink Communications Inc.
Address : No. 49, Sec. 4, Jhongyang Rd., Tucheng City, Taipei County
236, Taiwan (R.O.C.)
Trade Name : Microlink
Model Number : MTP1121
FCC ID : ZUJ-MTP1121
EUT Rated Voltage : DC 3.3 V
Test Voltage : 120 Vac / 60 Hz
Applicable : FCC 47 CFR PART 22H: Oct, 2009
Standard : FCC 47 CFR PART 24E: Oct, 2009
ANSI/TIA-603-C-2004

Test Result : Complied
Application : Class II Permissive Change
Purpose

Performing Lab. : A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number:
1330

<http://www.atl-lab.com.tw/e-index.htm>

The above equipment was tested by A Test Lab Techno Corp. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2003 and the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 22H, Part 24E.

The test results of this report relate only to the tested sample identified in this report.

Approved By



(Manager)

(Alex Wu)

Reviewed By



(Testing Engineer)

(Fly Lu)

TABLE OF CONTENTS

1	General Information	5
1.1.	EUT Description.....	5
1.2.	Mode of Operation.....	6
1.3.	EUT Exercise Software.....	6
1.4.	Configuration of Test System Details.....	7
1.5.	Test Site Environment.....	7
1.6.	Summary of Test Result	7
2	Effective Radiated Power / Equivalent Isotropic Radiated Power Test	8
2.1.	Limit	8
2.2.	Test Instruments	8
2.3.	Test Setup.....	9
2.4.	Test Procedure.....	10
2.5.	Uncertainty.....	10
2.6.	Test Result	11
3	Field Strength of Spurious Radiation Test	12
3.1.	Limit	12
3.2.	Test Instruments	12
3.3.	Setup	12
3.4.	Test Procedure.....	13
3.5.	Uncertainty.....	13
3.6.	Test Result	14

1 General Information

1.1. EUT Description

Applicant		Microlink Communications Inc.			
Applicant Address		No. 49, Sec. 4, Jhongyang Rd., Tucheng City, Taipei County 236, Taiwan (R.O.C.)			
Manufacturer		Option NV			
Manufacturer Address		Gaston Geenslaan 14 Leuven, 3001 Belgium			
Product Type		MTP1121 PCI Express Mini Card			
Trade Name		Microlink			
Model Number		MTP1121			
FCC ID		ZUJ-MTP1121			
Mode	CDMA 2000, 1xRTT, 1xEVDO Rev0, 1xEVDO RevA	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		Cellular	824.0 ~ 849.0	869.0 ~ 893.0	QPSK
		PCS	1850.0 ~ 1910.0	1930.0 ~ 1990.0	QPSK
Channel Control		Auto			
Host Used		MOGO, ID8-BS1000			
Type of Antenna		Print Antenna			
Antenna Gain (dBi)		-1 dBi			
Max. RF Output power		Cellular Band: 24.62 dBm / 0.290 W PCS Band: 24.64 dBm / 0.291 W			
Max. ERP/EIRP		Cellular Band: 24.76 dBm / 0.299 W PCS Band: 25.68 dBm / 0.370 W			
Emission Designator		Cellular Band: 1M28F9W PCS Band: 1M28F9W			

1.2. Mode of Operation

ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode
Mode 1: CDMA 2000 Cellular Band Link
Mode 2: CDMA 2000 PCS Band Link
Mode 3: CDMA 2000 1xRTT Cellular Band Link
Mode 4: CDMA 2000 1xRTT PCS Band Link
Mode 5: CDMA 2000 1xEVDO Rev0 Cellular Band Link
Mode 6: CDMA 2000 1xEVDO Rev0 PCS Band Link
Mode 7: CDMA 2000 1xEVDO RevA Cellular Band Link
Mode 8: CDMA 2000 1xEVDO RevA PCS Ban Link

Final-Test Mode
Mode 1: CDMA 2000 Cellular Band Link
Mode 2: CDMA 2000 PCS Band Link

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "X axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Tested System Details

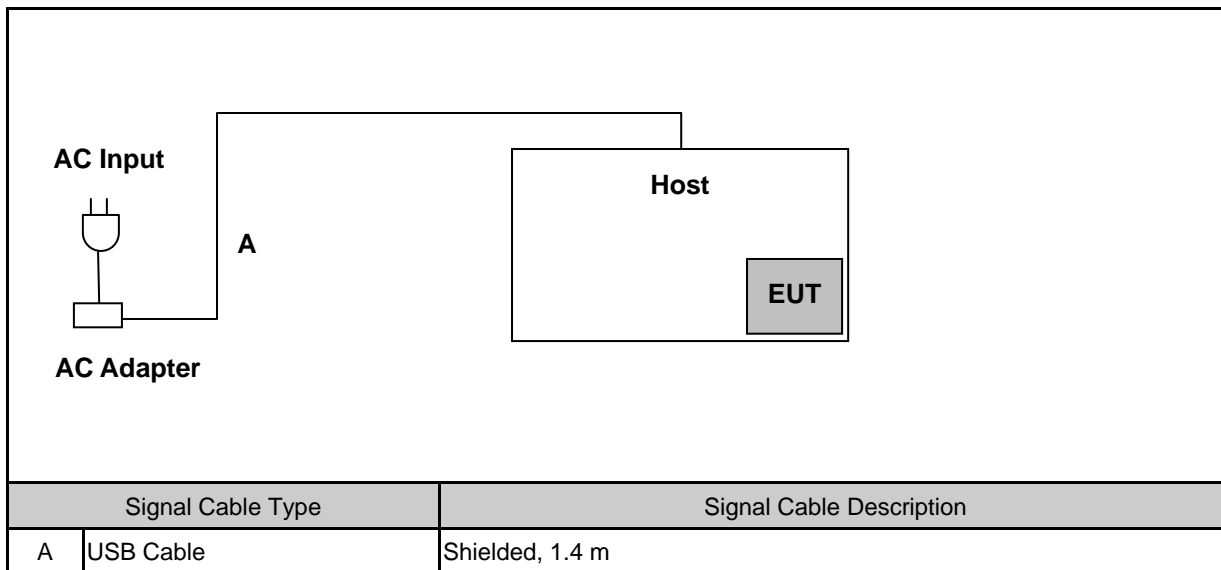
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model Number	Serial Number	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	109369	N/A

1.3. EUT Exercise Software

1.	Setup the EUT and Base Station (CMU200) as shown on 1.4.
2.	Turn on the power of all equipment.

1.4. Configuration of Test System Details



1.5. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

1.6. Summary of Test Result

Description	FCC Rule	IC Rule	Limit	Result
Conducted Output Power	§2.1046	N/A	N/A	N/A Ref. Original report
Effective Radiated Power	§22.913(a)(2)	RSS-132(4.4) SRSP-503(5.1.3)	< 7 Watts for FCC (<6.3 Watts for IC)	Pass
Equivalent Isotropic Radiated Power	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	< 2 Watts	Pass
Occupied Bandwidth	§2.1049 §22.917(a) §24.238(a)	N/A	N/A	N/A Ref. Original report
Band Edge Measurement	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1)RSS-133 (6.5.1)	< $43+10\log_{10}(P[\text{Watts}])$	N/A Ref. Original report
Conducted Emission	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	< $43+10\log_{10}(P[\text{Watts}])$	N/A Ref. Original report
Field Strength of Spurious Radiation	§2.1053 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	< $43+10\log_{10}(P[\text{Watts}])$	N/A Ref. Original report
Frequency Stability for Temperature & Voltage	§2.1055 §22.355 §24.235	RSS-132(4.3) RSS-133(6.3)	< 2.5 ppm	N/A Ref. Original report

2 Effective Radiated Power / Equivalent Isotropic Radiated Power Test

2.1. Limit

For FCC Part 22.913(a)(2): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(b): The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

2.2. Test Instruments

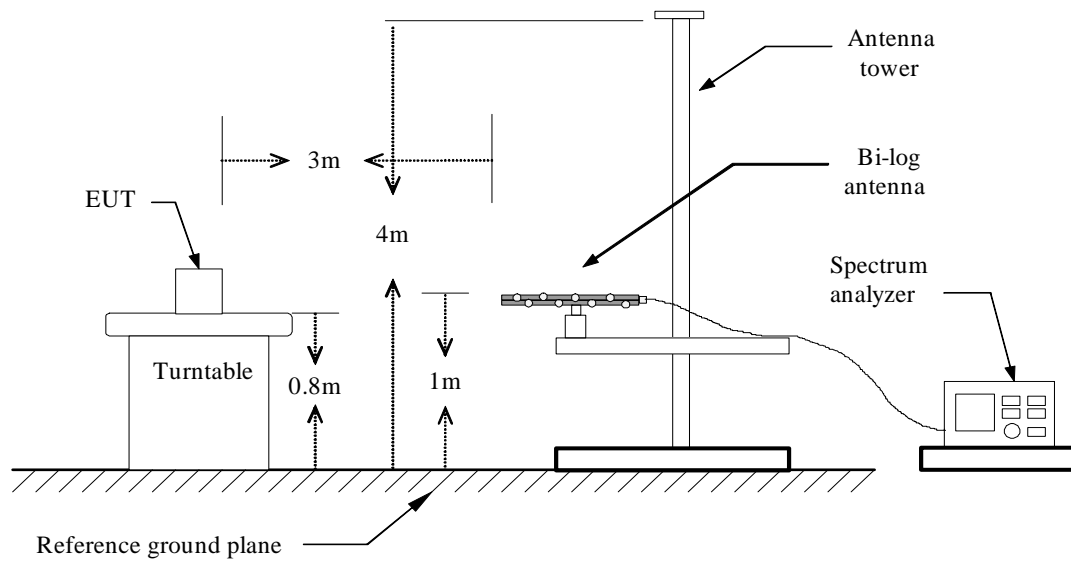
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/18/2011	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/18/2011	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/23/2011	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/23/2011	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/29/2011	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/29/2011	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/28/2011	(1)
Test Site	ATL	TE01	888001	12/24/2010	(1)

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

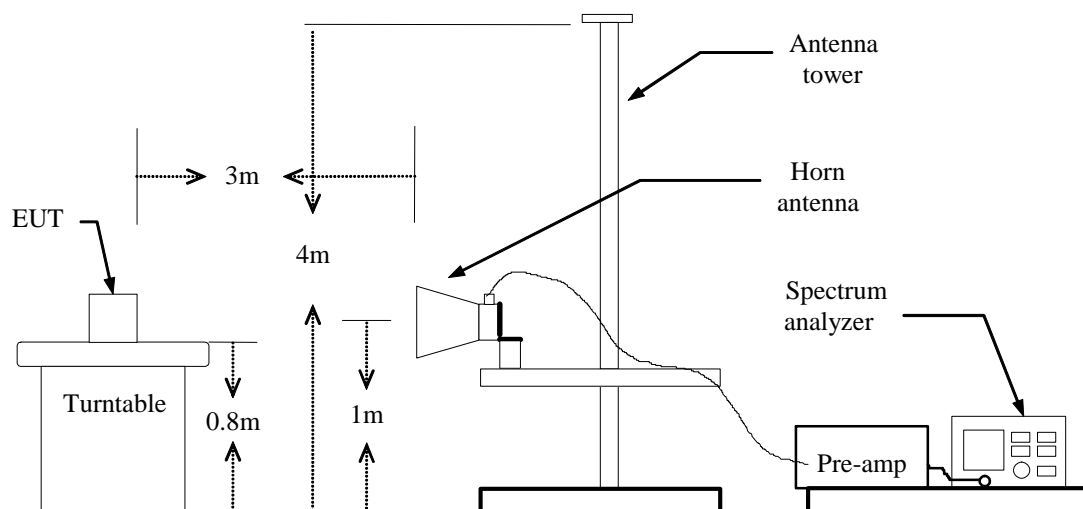
NOTE: N.C.R. = No Calibration Request.

2.3. Test Setup

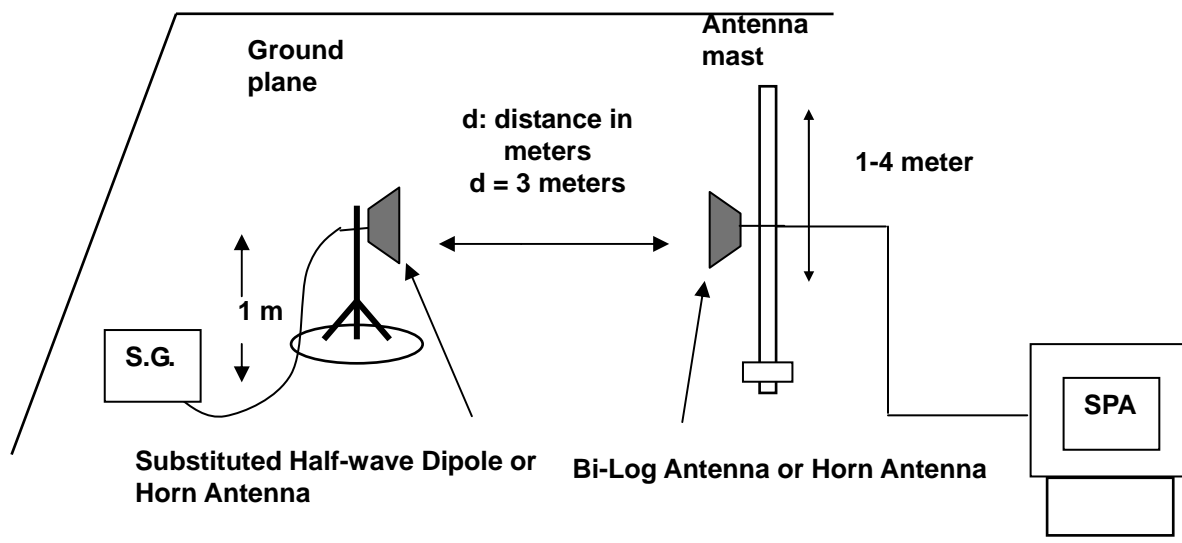
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



2.4. Test Procedure

The measurement is made according to ANSI/TIA-603-C-2004 as follows:

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement of the EUT, the resolution bandwidth was set to 3MHz and the average bandwidth was set to 3MHz. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824-849MHz, and EIRP in frequency band 1851.25 –1910MHz were measured using a substitution method. The EUT was replaced by half-wave dipole (824-849MHz) or horn antenna (1851.25-1910MHz) connected to a signal generator. The spectrum analyzer reading was recorded and ERP/EIRP was calculated as follows:

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

2.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

2.6. Test Result

Model Number	MTP1121						
Test Item	ERP/EIRP						
Date of Test	09/16/2011				Test Site		TE01
Mode	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction factor (dBm)	ERP		Limit
					(dBm)	(W)	
1	824.7	H	11.68	11.96	23.64	0.231	< 7W
		V	11.06	11.30	22.36	0.172	< 7W
	837.0	H	12.16	12.07	24.23	0.265	< 7W
		V	13.42	11.34	24.76	0.299	< 7W
	848.3	H	11.44	12.47	23.91	0.246	< 7W
		V	13.28	11.46	24.74	0.298	< 7W

Model Number	MTP1121						
Test Item	ERP/EIRP						
Date of Test	09/16/2011				Test Site		TE01
Mode	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction factor (dBm)	EIRP		Limit
					(dBm)	(W)	
2	1851.25	H	10.66	10.50	21.16	0.131	< 2W
		V	16.16	8.33	24.49	0.281	< 2W
	1880.00	H	11.81	10.51	22.32	0.171	< 2W
		V	17.11	8.57	25.68	0.370	< 2W
	1908.75	H	11.75	10.52	22.27	0.169	< 2W
		V	16.36	8.80	25.16	0.328	< 2W

Note: 1. ERP/EIRP = Read Level + Correction factor.

2. For WCDMA signals, a peak detector is used with RBW = VBW = 5MHz.

3. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW= 3 MHz.

3 Field Strength of Spurious Radiation Test

3.1. Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

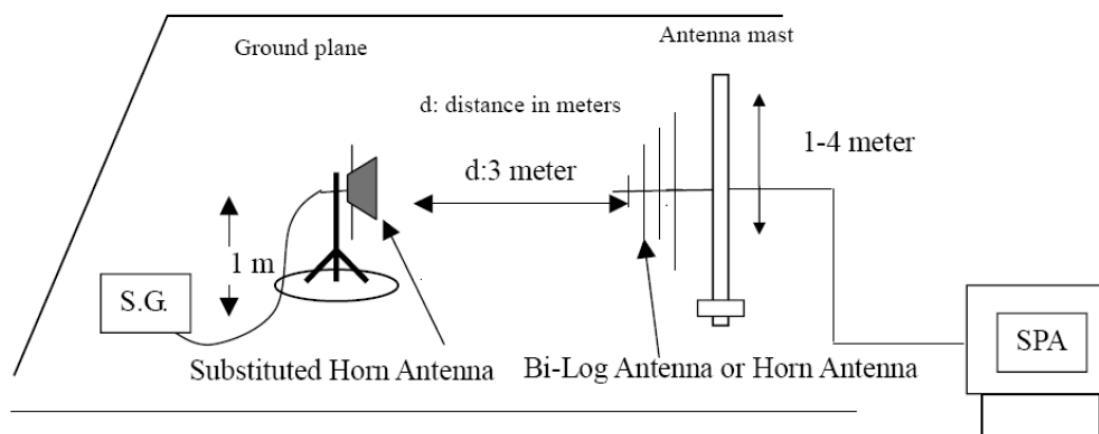
3.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/18/2011	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/18/2011	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/23/2011	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/23/2011	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/29/2011	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/29/2011	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/28/2011	(1)
Test Site	ATL	TE01	888001	12/24/2010	(1)

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

3.3. Setup



3.4. Test Procedure

The measurement is made according to ANSI/TIA-603-C-2004 as follows:

The equipment under test is placed inside the semi-anechoic chamber on a wooden table at the turntable center. For each spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum reading on the spectrum analyzer. This is repeated for both horizontal and vertical polarizations of the receive antenna.

The equipment under test is then replaced with a substitution antenna fed by a signal generator. With the signal generator tuned to a particular spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters to obtain a maximum reading at the spectrum analyzer. The output of the signal generator is then adjusted until a reading identical to that obtained with the actual transmitter is achieved.

The power in dBm of each spurious emission is calculated by correcting the signal generator level for cable loss and gain of the substitution antenna referenced to a dipole. A fully charged battery was used for the supply voltage.

The settings of the receiver were as follows:

Units	dBm
Resolution Bandwidth	1 MHz
Video Bandwidth	Auto
Sweep Time	Auto

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in **lie-down position (X axis)** and the worst case was recorded.

3.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

3.6. Test Result

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	MTP1121	Temp.(°C)/Hum. (%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	09/17/2011
Frequency:	824.7 MHz	Test By:	Fly Lu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	320.0000	-56.78	-0.92	-57.70	-13.00	-44.70	peak	H
2	400.0000	-66.99	2.55	-64.44	-13.00	-51.44	peak	H
3	542.0000	-69.21	8.22	-60.99	-13.00	-47.99	peak	H
4	600.0000	-64.38	7.94	-56.44	-13.00	-43.44	peak	H
5	720.0000	-73.24	7.49	-65.75	-13.00	-52.75	peak	H
6	960.0000	-70.01	14.83	-55.18	-13.00	-42.18	peak	H
7	3484.000	-66.55	15.44	-51.11	-13.00	-38.11	peak	H
8	4660.000	-70.66	18.03	-52.63	-13.00	-39.63	peak	H
9	7912.000	-72.18	29.54	-42.64	-13.00	-29.64	peak	H
1	63.0000	-55.67	-6.13	-61.80	-13.00	-48.80	peak	V
2	166.5000	-57.55	6.55	-51.00	-13.00	-38.00	peak	V
3	400.0000	-68.21	1.33	-66.88	-13.00	-53.88	peak	V
4	600.0000	-70.85	7.45	-63.40	-13.00	-50.40	peak	V
5	936.0000	-64.71	12.57	-52.14	-13.00	-39.14	peak	V
6	984.0000	-66.81	12.65	-54.16	-13.00	-41.16	peak	V
7	2476.000	-58.38	12.20	-46.18	-13.00	-33.18	peak	V
8	3484.000	-57.62	19.41	-38.21	-13.00	-25.21	peak	V
9	6472.000	-71.91	24.79	-47.12	-13.00	-34.12	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	MTP1121	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	09/17/2011
Frequency:	837.0 MHz	Test By:	Fly Lu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	85.0000	-68.48	-1.73	-70.21	-13.00	-57.21	peak	H
2	156.0000	-57.27	0.18	-57.09	-13.00	-44.09	peak	H
3	250.0000	-70.31	-4.21	-74.52	-13.00	-61.52	peak	H
4	458.5000	-69.49	4.56	-64.93	-13.00	-51.93	peak	H
5	552.0000	-70.33	7.99	-62.34	-13.00	-49.34	peak	H
6	600.0000	-64.13	7.94	-56.19	-13.00	-43.19	peak	H
7	4852.000	-70.34	19.20	-51.14	-13.00	-38.14	peak	H
8	8212.000	-71.62	29.26	-42.36	-13.00	-29.36	peak	H
9	10936.000	-73.82	36.14	-37.68	-13.00	-24.68	peak	H
1	31.5000	-37.39	-9.55	-46.94	-13.00	-33.94	peak	V
2	166.5000	-58.81	6.55	-52.26	-13.00	-39.26	peak	V
3	292.0000	-69.61	1.99	-67.62	-13.00	-54.62	peak	V
4	504.0000	-74.28	2.83	-71.45	-13.00	-58.45	peak	V
5	648.0000	-68.42	8.92	-59.50	-13.00	-46.50	peak	V
6	744.0000	-71.57	10.59	-60.98	-13.00	-47.98	peak	V
7	1672.000	-47.03	6.91	-40.12	-13.00	-27.12	peak	V
8	4180.000	-69.86	21.16	-48.70	-13.00	-35.70	peak	V
9	5020.000	-68.79	23.45	-45.34	-13.00	-32.34	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	MTP1121	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	09/17/2011
Frequency:	848.3 MHz	Test By:	Fly Lu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	125.0000	-56.93	-5.11	-62.04	-13.00	-49.04	peak	H
2	148.0000	-54.53	-2.34	-56.87	-13.00	-43.87	peak	H
3	250.0000	-70.56	-4.21	-74.77	-13.00	-61.77	peak	H
4	542.0000	-69.93	8.22	-61.71	-13.00	-48.71	peak	H
5	667.0000	-74.38	7.11	-67.27	-13.00	-54.27	peak	H
6	936.0000	-71.60	14.84	-56.76	-13.00	-43.76	peak	H
7	3388.000	-68.65	15.15	-53.50	-13.00	-40.50	peak	H
8	6292.000	-72.94	24.86	-48.08	-13.00	-35.08	peak	H
9	9328.000	-73.08	28.82	-44.26	-13.00	-31.26	peak	H
1	61.5000	-56.85	-5.62	-62.47	-13.00	-49.47	peak	V
2	155.0000	-69.72	10.27	-59.45	-13.00	-46.45	peak	V
3	200.0000	-73.68	10.15	-63.53	-13.00	-50.53	peak	V
4	333.5000	-66.28	1.14	-65.14	-13.00	-52.14	peak	V
5	608.0000	-75.41	8.03	-67.38	-13.00	-54.38	peak	V
6	792.0000	-74.08	11.64	-62.44	-13.00	-49.44	peak	V
7	4240.000	-69.87	21.34	-48.53	-13.00	-35.53	peak	V
8	7036.000	-71.92	25.58	-46.34	-13.00	-33.34	peak	V
9	9880.000	-72.52	30.03	-42.49	-13.00	-29.49	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	MTP1121	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	09/17/2011
Frequency:	1851.25 MHz	Test By:	Fly Lu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	82.5000	-68.02	-2.59	-70.61	-13.00	-57.61	peak	H
2	129.0000	-54.44	-4.86	-59.30	-13.00	-46.30	peak	H
3	161.5000	-60.42	0.28	-60.14	-13.00	-47.14	peak	H
4	320.0000	-56.93	-0.92	-57.85	-13.00	-44.85	peak	H
5	458.5000	-69.15	4.56	-64.59	-13.00	-51.59	peak	H
6	960.0000	-69.40	14.83	-54.57	-13.00	-41.57	peak	H
7	7276.000	-71.94	28.48	-43.46	-13.00	-30.46	peak	H
8	8512.000	-70.69	28.71	-41.98	-13.00	-28.98	peak	H
9	10096.000	-72.91	32.71	-40.20	-13.00	-27.20	peak	H
1	240.0000	-68.32	0.38	-67.94	-13.00	-54.94	peak	V
2	360.0000	-78.05	2.43	-75.62	-13.00	-62.62	peak	V
3	542.0000	-76.82	4.28	-72.54	-13.00	-59.54	peak	V
4	667.0000	-75.00	9.45	-65.55	-13.00	-52.55	peak	V
5	768.0000	-78.45	11.09	-67.36	-13.00	-54.36	peak	V
6	840.0000	-63.93	11.35	-52.58	-13.00	-39.58	peak	V
7	3868.000	-68.10	20.31	-47.79	-13.00	-34.79	peak	V
8	4624.000	-71.04	22.49	-48.55	-13.00	-35.55	peak	V
9	8488.000	-72.77	26.09	-46.68	-13.00	-33.68	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	MTP1121	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	09/17/2011
Frequency:	1880.0 MHz	Test By:	Fly Lu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	117.5000	-63.14	-5.28	-68.42	-13.00	-55.42	peak	H
2	208.5000	-62.40	0.98	-61.42	-13.00	-48.42	peak	H
3	400.0000	-66.96	2.55	-64.41	-13.00	-51.41	peak	H
4	542.0000	-67.68	8.22	-59.46	-13.00	-46.46	peak	H
5	640.0000	-59.79	6.82	-52.97	-13.00	-39.97	peak	H
6	744.0000	-69.00	8.38	-60.62	-13.00	-47.62	peak	H
7	3760.000	-66.95	15.99	-50.96	-13.00	-37.96	peak	H
8	7216.000	-73.25	28.28	-44.97	-13.00	-31.97	peak	H
9	8236.000	-73.15	29.22	-43.93	-13.00	-30.93	peak	H
1	31.5000	-37.37	-9.55	-46.92	-13.00	-33.92	peak	V
2	282.0000	-68.53	1.09	-67.44	-13.00	-54.44	peak	V
3	417.0000	-66.68	1.35	-65.33	-13.00	-52.33	peak	V
4	600.0000	-65.35	7.45	-57.90	-13.00	-44.90	peak	V
5	744.0000	-68.64	10.59	-58.05	-13.00	-45.05	peak	V
6	849.0000	-69.03	11.47	-57.56	-13.00	-44.56	peak	V
7	6484.000	-72.56	24.83	-47.73	-13.00	-34.73	peak	V
8	8200.000	-71.37	26.24	-45.13	-13.00	-32.13	peak	V
9	12772.000	-74.91	40.37	-34.54	-13.00	-21.54	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	MTP1121	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	09/17/2011
Frequency:	1908.75 MHz	Test By:	Fly Lu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	160.5000	-58.74	1.05	-57.69	-13.00	-44.69	peak	H
2	320.0000	-56.81	-0.92	-57.73	-13.00	-44.73	peak	H
3	400.0000	-68.03	2.55	-65.48	-13.00	-52.48	peak	H
4	583.5000	-70.03	7.65	-62.38	-13.00	-49.38	peak	H
5	744.0000	-74.45	8.38	-66.07	-13.00	-53.07	peak	H
6	960.0000	-68.47	14.83	-53.64	-13.00	-40.64	peak	H
7	3256.000	-69.75	14.73	-55.02	-13.00	-42.02	peak	H
8	4240.000	-69.24	16.73	-52.51	-13.00	-39.51	peak	H
9	7624.000	-72.03	29.30	-42.73	-13.00	-29.73	peak	H
1	132.0000	-57.63	13.29	-44.34	-13.00	-31.34	peak	V
2	320.0000	-61.19	1.04	-60.15	-13.00	-47.15	peak	V
3	640.0000	-66.80	8.62	-58.18	-13.00	-45.18	peak	V
4	840.0000	-63.61	11.35	-52.26	-13.00	-39.26	peak	V
5	936.0000	-58.47	12.57	-45.90	-13.00	-32.90	peak	V
6	960.0000	-68.13	12.38	-55.75	-13.00	-42.75	peak	V
7	4120.000	-70.42	20.98	-49.44	-13.00	-36.44	peak	V
8	5032.000	-72.21	23.45	-48.76	-13.00	-35.76	peak	V
9	7480.000	-72.72	26.47	-46.25	-13.00	-33.25	peak	V