FCC RADIO TEST REPORT

Applicant : Ubiquiti Inc.

Address 685 Third Avenue, New York, New York 10017,

· USA

Equipment : Magic PoE

Model No. : UACC-M-PoE

Trade Name : UBIQUITI

FCC ID : SWX-UAMP

I HEREBY CERTIFY THAT:

The sample was received on Jun. 17, 2022 and the testing was completed on Aug. 02, 2022 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory





Report No.: 22060120-TRFCC04

Cerpass Technology Corp. T-FD-503-0 Ver 1.5 Issued Date : Aug. 02, 2022

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History of this test report

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Report No.	Issued Date	Description
22060120-TRFCC04	Aug. 02, 2022	Original

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1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10:2013

. Description of Test	Result
. CO-LOCATION	PASS

^{*}The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.

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2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

-	
	BLE: 2400-2483.5MHz
Operation Frequency Range	802.11b/g/n: 2400-2483.5MHz
	802.11a/n/ac: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5875MHz
	BLE: 2402MHz-2480MHz
Center Frequency Range	802.11b/g/n: 2412MHz-2462MHz
. , ,	802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
	BLE: GFSK
	WLAN:
	2.4GHz:
Maria Lada a Tara	802.11b: CCK, DQPSK, DBPSK
Modulation Type	802.11g/n: BPSK, QPSK, 16QAM, 64QAM
	5GHz:
	802.11a/n: BPSK, QPSK, 16QAM, 64QAM
	802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM, DTS
- medalation recrimenegy	BLE:
	GFSK: 1Mbps
	WLAN:
	2.4GHz:
	802.11b: 1, 2, 5.5, 11Mbps
Data Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
Dala Rale	802.11g. 6, 9, 12, 16, 24, 36, 46, 341/10ps 802.11n: MCS0 – MCS15, HT20/40
	602.1111. MC30 = MC313, H120/40 5GHz:
	802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps
	802.11n: MCS0 – MCS15, HT20/40
	802.11ac: MCS0 – MCS9, VHT20/40/80
	For BLE:
Antenna Type	PIFA Antenna
	For WLAN:
	Dipole Antenna
	For BLE:
	2400-2483.5MHz: ANT C: -1.00dBi
Antenna Gain	For WLAN:
	2400-2483.5MHz: ANT A: 3.50dBi, ANT B: 3.50dBi
	5150-5850MHz: ANT A: 5.00dBi, ANT B: 5.00dBi
Power Cord	Brand: SHEN ZHEN GOSPELL DIGITAL TECHNOLOGY CO.,LTD
1 3 4 6 1 3 6 1 4	Model: CH-331C+CH-706
Noto:	

Note:

- 1. EUT support TPC Function.
- 2. WLAN 2.4G and WLAN 5G can simultaneously transmission.
- 3. EUT support Client Mode without radar detection.
- 4. For more details, please refer to the User's manual of the EUT.

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2.2 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included Notebook and EUT for RF test.
- c. An executive program, "wl command" under Windows OS system was executed to transmit and receive data via Bluetooth.

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- d. An executive program, "QRCT ver.4.0.00193.0" under Windows OS system was executed to transmit and receive data via WLAN.
- e. The following test modes were performed for the test:

	The renewing test meass were perfermed for the test.			
Conducted	Conducted Emissions from the AC mains power ports			
Test Mode	Test Mode Operating Description			
1	Normal Mode			
caused "Te	st Mode 1" generated the worst case, it was reported as the final data.			
Radiation E	Emissions (Below 1GHz)			
Test Mode	est Mode Operating Description			
1	BLE GFSK CH78 + 2.4G 11g CH06 + 5G 11a CH149			
caused "Te	caused "Test Mode 1" generated the worst case, it was reported as the final data.			
Radiation E	Radiation Emissions (1GHz ~ 25GHz)			
Test Mode	est Mode Operating Description			
1	1 BLE GFSK CH78 + 2.4G 11g CH06 + 5G 11a CH149			
caused "Te	caused "Test Mode 1" generated the worst case, it was reported as the final data.			

Note:

There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.

For AC Power Line Conducted Emission, AC 240V / 60Hz is worst case.

For Radiated Spurious Emission(Below 1GHz), AC 120V / 60Hz is worst case.

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2.3 Description of Test System

		Radiated Emis	ssions	
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
	AC I	Power Line Condu	cted Emission	
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
UDM Pro SE	UBIQUITI	UDM Pro SE	N/A	N/A
U6 Pro	UBIQUITI	U6 Pro	N/A	N/A
RJ45 Cable*3	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
Mobile Phone	MI	M1906G7G	N/A	N/A
camera	UBIQUITI	G3 FLEX	N/A	N/A

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2.4 General Information of Test

	Address Taiwan (Tel:+886	erpass Technology Corporation Test Laboratory ddress: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, aiwan (R.O.C.) el:+886-3-3226-888 ax:+886-3-3226-881			
Test Site	FCC	TW1439, TW1079			
	IC	4934E-1, 4934E-2			
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz			
Frequency Range Investigated:		ed: from 150kHz to 30 MHz n: from 30 MHz to 40,000MHz			
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.				

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Test Item	Test Site	Test period	Environmental Conditions	Tested By
Radiated Emissions (Below 1G)	3M02-NK	2022/07/07	21 ℃ / 42 %	Dian Chen
Radiated Emissions (Above 1G)	3M02-NK	2022/08/02	26℃ /41%	Dian Chen
AC Power Line Conducted Emission	CON01-NK	2022/07/06	24°C / 61%	Dian Chen

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2.5 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

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Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.12dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.7dB
Radiated Spurious Emission(1GHz~25GHz)	±6.8dB

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3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	275	2021/11/05	2022/11/04
Horn Antenna	EMCO	3115	31601	2021/10/14	2022/10/13
Horn Anrenna	EMCO	3116	31974	2021/10/04	2022/10/03
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2021/11/16	2022/11/15
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2021/08/06	2022/08/05
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2021/11/16	2022/11/15
Preamplifier	EM Electronics corp.	EM330	60658	2021/10/13	2022/10/12
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2021/09/22	2022/09/21
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY4569/2	2021/09/03	2022/09/02
Cable-1m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5739/2	2021/09/03	2022/09/02
Cable-6m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5740/2	2021/09/03	2022/09/02
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	AC Power Line Conduc	cted Emission			
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	101200	2021/08/30	2022/08/29
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2021/10/05	2022/10/04
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2021/09/15	2022/09/14
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2021/09/22	2022/09/21
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA

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4. Test of AC Power Line Conducted Emission

4.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

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Frequency (MHz)	Quasi Peak (dB µ V)	Average (dB µ V)
0.15 – 0.5	66-56*	56-46*
0.5 - 5.0	56	46
5.0 – 30.0	60	50

^{*}Decreases with the logarithm of the frequency.

4.2 Test Procedures

- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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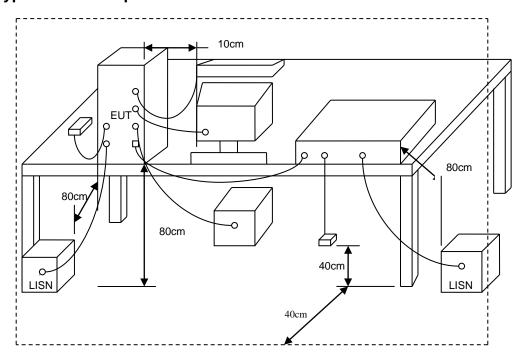
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4.3 Typical Test Setup



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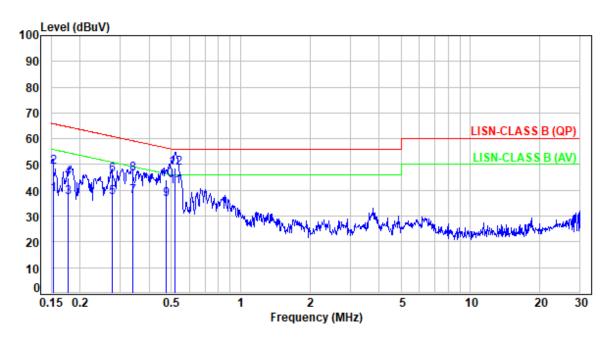
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4.4 Test Result and Data

Power	:	AC 240V / 60Hz	Pol/Phase :	LINE
Test Mode	:	Mode 1	:	

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No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.96	28.58	38.54	55.82	-17.28	Average	Р
2	0.15	9.96	38.95	48.91	65.82	-16.91	QP	P
3	0.18	9.95	27.13	37.08	54.56	-17.48	Average	P
4	0.18	9.95	34.78	44.73	64.56	-19.83	QP	Р
5	0.28	9.95	27.48	37.43	50.95	-13.52	Average	P
6	0.28	9.95	36.11	46.06	60.95	-14.89	QP	Р
7	0.34	9.95	27.85	37.80	49.24	-11.44	Average	Р
8	0.34	9.95	36.39	46.34	59.24	-12.90	QP	Р
9	0.47	9.96	26.62	36.58	46.45	-9.87	Average	Р
10	0.47	9.96	34.32	44.28	56.45	-12.17	QP	P
11	0.52	9.97	31.51	41.48	46.00	-4.52	Average	Р
12	a 52	9 97	38 80	48 77	56 99	-7 23	OP	P

Note: Level=Reading+Factor Margin=Level-Limit

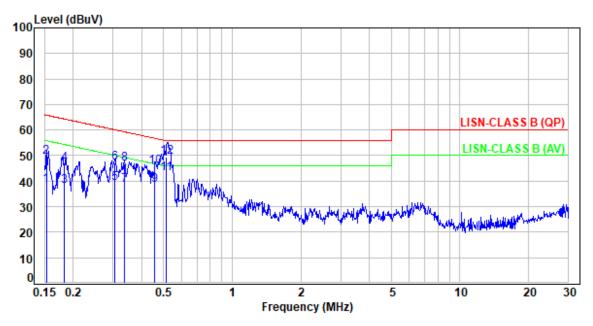
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

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Power	:	AC 240V / 60Hz	Pol/Phase :	NEUTRAL
Test Mode		Mode 1		

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No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.94	28.58	38.52	55.86	-17.34	Average	Р
2	0.15	9.94	39.66	49.60	65.86	-16.26	QP	P
3	0.18	9.93	28.05	37.98	54.34	-16.36	Average	P
4	0.18	9.93	36.68	46.61	64.34	-17.73	QP	P
5	0.30	9.93	29.10	39.03	50.11	-11.08	Average	P
6	0.30	9.93	37.03	46.96	60.11	-13.15	QP	P
7	0.34	9.93	28.64	38.57	49.26	-10.69	Average	P
8	0.34	9.93	36.96	46.89	59.26	-12.37	QP	P
9	0.46	9.94	28.37	38.31	46.74	-8.43	Average	P
10	0.46	9.94	35.75	45.69	56.74	-11.05	QP	P
11	0.51	9.94	32.93	42.87	46.00	-3.13	Average	P
12	0.51	9.94	39.45	49.39	56.00	-6.61	QP	P

Note: Level=Reading+Factor Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

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5. Test of Spurious Emission (Radiated)

5.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

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5.2 Test Procedures

- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.

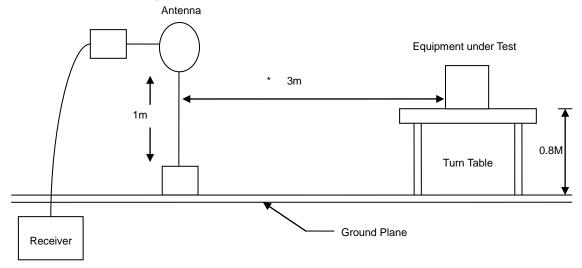
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- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- i. "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.

Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized. (X-AXIS is the worst.)

5.3 Typical Test Setup

Below 30MHz test setup



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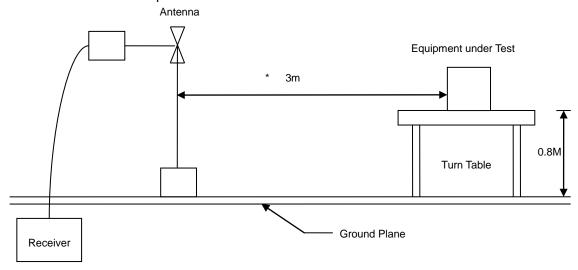
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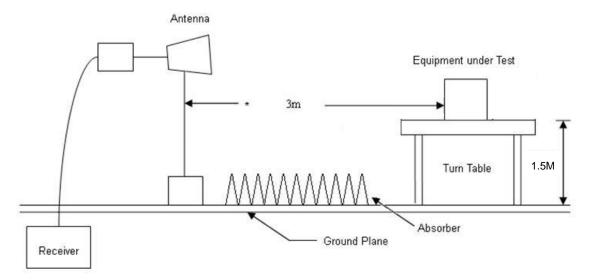
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30MHz- 1GHz Test Setup



Above 1GHz Test Setup



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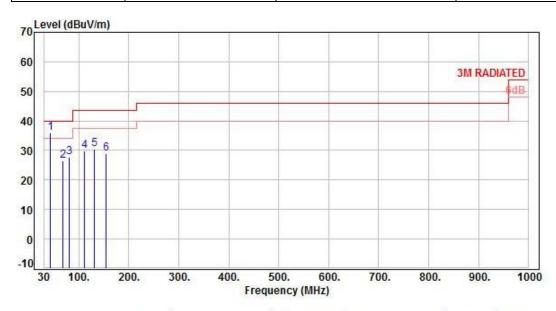


5.4 Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

5.5 Test Result and Data (30MHz ~ 1GHz)

Power	:	AC 120V / 60Hz	Pol/Phase :	VERTICAL
Test Mode	:	Mode 1	:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
40700			42.52.10.10			200000000000000000000000000000000000000				
1	43.58	-11.48	47.53	36.05	40.00	-3.95	QP	100	1	Р
2	68.80	-13.21	39.73	26.52	40.00	-13.48	Peak	100	360	P
3	80.44	-16.00	43.58	27.58	40.00	-12.42	Peak	100	360	P
4	111.48	-14.46	44.39	29.93	43.50	-13.57	Peak	100	360	P
5	130.88	-12.72	43.09	30.37	43.50	-13.13	Peak	100	360	P
6	154.16	-11.34	40.16	28.82	43.50	-14.68	Peak	100	360	P

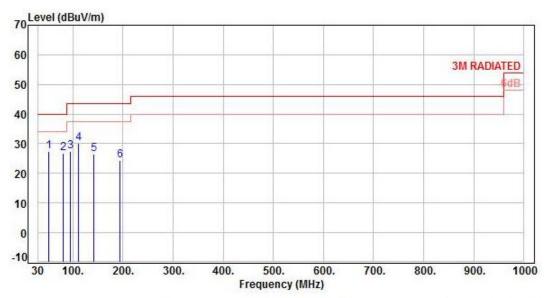
Note: Level=Reading+Factor Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

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Power	:	AC 120V / 60Hz	Pol/Phase :	HORIZONTAL
Test Mode	:	Mode 1	••	



Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
51.34	-10.87	38.25	27.38	40.00	-12.62	Peak	100	360	Р
80.44	-16.00	42.88	26.88	40.00	-13.12	Peak	100	360	P
95.96	-16.10	43.40	27.30	43.50	-16.20	Peak	100	360	P
111.48	-14.46	44.72	30.26	43.50	-13.24	Peak	100	360	P
142.52	-11.83	38.41	26.58	43.50	-16.92	Peak	100	360	P
194.90	-13.09	37.39	24.30	43.50	-19.20	Peak	100	360	P
	51.34 80.44 95.96 111.48 142.52	51.34 -10.87 80.44 -16.00 95.96 -16.10 111.48 -14.46 142.52 -11.83	(MHz) (dB) (dBuV) 51.34 -10.87 38.25 80.44 -16.00 42.88 95.96 -16.10 43.40 111.48 -14.46 44.72 142.52 -11.83 38.41	(MHz) (dB) (dBuV) (dBuV/m) 51.34 -10.87 38.25 27.38 80.44 -16.00 42.88 26.88 95.96 -16.10 43.40 27.30 111.48 -14.46 44.72 30.26 142.52 -11.83 38.41 26.58	(MHz) (dB) (dBuV) (dBuV/m) (dBuV/m) 51.34 -10.87 38.25 27.38 40.00 80.44 -16.00 42.88 26.88 40.00 95.96 -16.10 43.40 27.30 43.50 111.48 -14.46 44.72 30.26 43.50 142.52 -11.83 38.41 26.58 43.50	(MHz) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) 51.34 -10.87 38.25 27.38 40.00 -12.62 80.44 -16.00 42.88 26.88 40.00 -13.12 95.96 -16.10 43.40 27.30 43.50 -16.20 111.48 -14.46 44.72 30.26 43.50 -13.24 142.52 -11.83 38.41 26.58 43.50 -16.92	(MHz) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) 51.34 -10.87 38.25 27.38 40.00 -12.62 Peak 80.44 -16.00 42.88 26.88 40.00 -13.12 Peak 95.96 -16.10 43.40 27.30 43.50 -16.20 Peak 111.48 -14.46 44.72 30.26 43.50 -13.24 Peak 142.52 -11.83 38.41 26.58 43.50 -16.92 Peak	(MHz) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) (cm) 51.34 -10.87 38.25 27.38 40.00 -12.62 Peak 100 80.44 -16.00 42.88 26.88 40.00 -13.12 Peak 100 95.96 -16.10 43.40 27.30 43.50 -16.20 Peak 100 111.48 -14.46 44.72 30.26 43.50 -13.24 Peak 100 142.52 -11.83 38.41 26.58 43.50 -16.92 Peak 100	(MHz) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) (cm) (deg) 51.34 -10.87 38.25 27.38 40.00 -12.62 Peak 100 360 80.44 -16.00 42.88 26.88 40.00 -13.12 Peak 100 360 95.96 -16.10 43.40 27.30 43.50 -16.20 Peak 100 360 111.48 -14.46 44.72 30.26 43.50 -13.24 Peak 100 360 142.52 -11.83 38.41 26.58 43.50 -16.92 Peak 100 360

Note: Level=Reading+Factor Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

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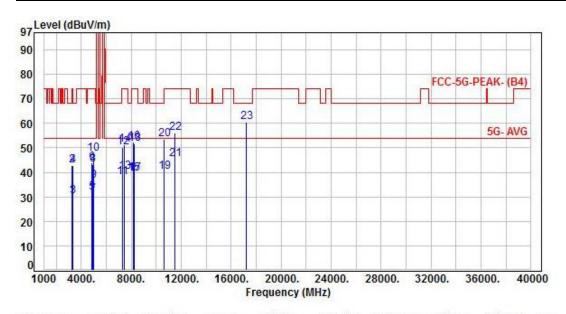
 FCC ID.
 :
 SWX-UAMP



5.6 Test Result and Data (1GHz ~ 40GHz)

Power	:	AC 120V / 60Hz	Pol/Phase :	VERTICAL
Test Mode	:	Mode 1	:	

Report No.: 22060120-TRFCC04



No.	Frequency (MHz)	Factor (dB)		Level (dBuV/m)			Detector	Height (cm)	Azimuth (deg)	P/F
							2009	1000	70722	_
1	3265.00	0.99	29.38	30.37	54.00	-23.63	Average		167	P
2	3265.00	0.99	41.90	42.89	74.00	-31.11	Peak	100	167	Р
3	3308.00	1.09	29.26	30.35	54.00	-23.65	Average		244	P
4	3308.00	1.09	41.58	42.67	68.20	-25.53	Peak	100	244	P
5	4874.00	5.18	26.51	31.69	54.00	-22.31	Average	100	138	P
6	4874.00	5.18	38.74	43.92	74.00	-30.08	Peak	100	138	P
7	4917.00	5.35	25.45	30.80	54.00	-23.20	Average	100	311	P
8	4917.00	5.35	37.63	42.98	74.00	-31.02	Peak	100	311	P
9	4960.00	5.54	30.81	36.35	54.00	-17.65	Average	100	182	P
10	4960.00	5.54	42.18	47.72	74.00	-26.28	Peak	100	182	P
11	7311.00	10.16	27.65	37.81	54.00	-16.19	Average	100	334	P
12	7311.00	10.16	39.92	50.08	74.00	-23.92	Peak	100	334	P
13	7440.00	10.32	29.84	40.16	54.00	-13.84	Average	100	334	P
14	7440.00	10.32	40.79	51.11	74.00	-22.89	Peak	100	334	P
15	8182.00	11.03	28.56	39.59	54.00	-14.41	Average	100	59	P
16	8182,00	11.03	41.25	52.28	74.00	-21.72	Peak	100	59	Р
17	8225.00	11.10	28.19	39.29	54.00	-14.71	Average		284	P
18	8225.00	11.10	40.38	51.48	74.00	-22.52	Peak	100	284	P
19	10662.00	13.90	26.33	40.23	54.00	-13.77	Average		281	P
20	10662.00	13.90	39.45	53.35	74.00	-20.65	Peak	100	281	P
21	11490.00	15.08	30.12	45.20	54.00	-8.80	Average		245	P
22	11490.00	15.08	40.81	55.89	74.00	-18.11	Peak	100	245	P
23	17235.00	20.94	39.49	60.43	68.20	-7.77	Peak	100	49	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

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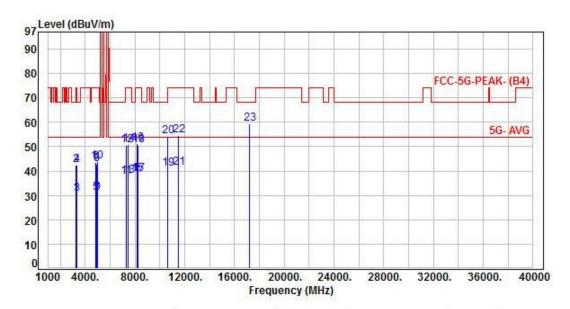
: Mode 1

Test Mode

Power	:	AC 120V / 60Hz	Pol/Phase :	HORIZONTAL

Report No.: 22060120-TRFCC04

:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)		Detector	Height (cm)	Azimuth (deg)	P/F
1	3265.00	0.99	29.59	30.58	54.00	-23.42	Average	100	104	Р
2	3265.00	0.99	41.25	42.24	74.00	-31.76	Peak	100	104	P
3	3308.00	1.09	29.36	30.45	54.00	-23.55	Average	100	97	P
4	3308.00	1.09	41.29	42.38	68.20	-25.82	Peak	100	97	P
5	4874.00	5.18	25.84	31.02	54.00	-22.98	Average	100	51	P
6	4874.00	5.18	38.31	43.49	74.00	-30.51	Peak	100	51	P P
7	4917.00	5.35	25.26	30.61	54.00	-23.39	Average	100	116	P
8	4917.00	5.35	37.51	42.86	74.00	-31.14	Peak	100	116	P
9	4960.00	5.54	25.48	31.02	54.00	-22.98	Average	100	224	P
10	4960.00	5.54	38.35	43.89	74.00	-30.11	Peak	100	224	P
11	7311.00	10.16	27.57	37.73	54.00	-16.27	Average	100	241	P
12	7311.00	10.16	40.45	50.61	74.00	-23.39	Peak	100	241	P
13	7440.00	10.32	27.61	37.93	54.00	-16.07	Average	100	224	P
14	7440.00	10.32	40.72	51.04	74.00	-22.96	Peak	100	224	P
15	8182.00	11.03	27.83	38.86	54.00	-15.14	Average	100	348	P
16	8182.00	11.03	40.26	51.29	74.00	-22.71	Peak	100	348	P
17	8225.00	11.10	27.51	38.61	54.00	-15.39	Average	100	154	P
18	8225.00	11.10	39.54	50.64	74.00	-23.36	Peak	100	154	P
19	10662.00	13.90	27.11	41.01	54.00	-12.99	Average	100	146	P
20	10662.00	13.90	40.29	54.19	74.00	-19.81	Peak	100	146	P
21	11490.00	15.08	26.35	41.43	54.00	-12.57	Average	100	219	P
22	11490.00	15.08	39.61	54.69	74.00	-19.31	Peak	100	219	P
23	17235.00	20.94	38.52	59.46	68.20	-8.74	Peak	100	111	P

Note: Level=Reading+Factor Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

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5.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 - 0.11000	16.42000 - 16.42300	399.9 – 410.0	4.500 - 5.250
0.49500 - 0.505**	16.69475 - 16.69525	608.0 - 614.0	5.350 - 5.460
2.17350 - 2.19050	16.80425 - 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 - 25.67000	1300.0 – 1427.0	8.025 - 8.500
4.17725 – 4.17775	37.50000 - 38.25000	1435.0 – 1626.5	9.000 - 9.200
4.20725 – 4.20775	73.00000 - 74.60000	1645.5 – 1646.5	9.300 - 9.500
6.21500 - 6.21800	74.80000 - 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 - 6.26825	108.00000 - 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 - 138.00000	2200.0 - 2300.0	14.470 – 14.500
8.29100 - 8.29400	149.90000 - 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 - 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 - 8.38675	156.70000 - 156.90000	2655.0 - 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 - 167.17000	3260.0 - 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 - 173.20000	3332.0 - 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 - 285.00000	3345.8 - 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 - 335.40000	3600.0 - 4400.0	Above 38.6
13.36000 – 13.41000			

^{**:} Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

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