

FCC TEST REPORT

for

PEPWAVE / peplink Balance Product Dual-WAN Router**MODEL: Balance Two; BPL-TWO; BPL-ONE-LC-SF; PismoX09A**

Issued to:

PISMO LABS TECHNOLOGY LIMITED**A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle
Peak Road, Cheung Sha Wan, Hong Kong**

Issued by:

Compliance Certification Services Inc.**Xindian Lab.****No.163-1, Jhongsheng Rd., Xindian Dist.,
New Taipei City, 23151 Taiwan.****TEL: 886-2-22170894****FAX: 886-2-22171029****Issued Date: October 15, 2019**

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	October 15, 2019	Initial Issue	ALL	Amy Wang

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1 TEST RESULT CERTIFICATION

Product: PEPWAVE / peplink Balance Product Dual-WAN Router
Model: Balance Two; BPL-TWO; BPL-ONE-LC-SF; PismoX09A
Brand: PEPWAVE / peplink
Applicant: **PISMO LABS TECHNOLOGY LIMITED**
A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road,
Cheung Sha Wan, Hong Kong
Tested: September 27, 2019

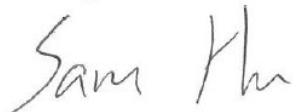
EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 6-2016 ANSI C63.4-2014	Conducted (Power Port)	PASS	Meet Class B limit
	Radiated	PASS	Meet Class B limit

Statements of Conformity

Determination of compliance is based on the results of the compliance measurement,
not taking into account measurement instrumentation uncertainty.

The above equipment has been tested by Compliance Certification Services Inc., and found
compliance with the requirements set forth in the technical standards mentioned above. The results
of testing in this report apply only to the product/system, which was tested. Other similar equipment
will not necessarily produce the same results due to production tolerance and measurement
uncertainties.

Approved by:



Sam Hu
Assistant Manager

Reviewed by:



Eva Fan
Supervisor of report document dept.

2 EUT DESCRIPTION

Product	PEPWAVE / peplink Balance Product Dual-WAN Router
Brand Name	PEPWAVE / peplink
Model	Balance Two; BPL-TWO; BPL-ONE-LC-SF; PismoX09A
Applicant	PISMO LABS TECHNOLOGY LIMITED
Housing material	Metal case
Identify Number	T190905D07
Received Date	September 5, 2019
EUT Power Rating	12VDC from Adaptor
AC Power During Test	120VAC / 60Hz & 230VAC / 60Hz to Adaptor
AC Adaptor Manufacturer	AtechOEM Inc.
AC Adaptor Model	A0403TD-120033
AC Adaptor Power Rating	I/P: 100-240VAC~ 50-60Hz, 1.2A O/P: 12VDC, 3.34A
AC Power Cord Type	Unshielded, 1.8m (Detachable)
DC Power Cord Type	Unshielded, 1.2m (Non-detachable)

Model Differences

Model Name	Difference	Tested (Check)
Balance Two	Original	<input checked="" type="checkbox"/>
BPL-TWO; BPL-ONE-LC-SF; PismoX09A	For marketing purpose only.	<input type="checkbox"/>

I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
1. USB Port	1	1
2. LAN Port	4	4
3. WAN Port	2	2
4. Console Port	1	1

Note: Client consigns only one model sample to test (Model Number: Balance Two).

3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the below additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The test configuration/ modes are as the following:

Conduction Modes:

1	Normal Mode	120VAC / 60Hz
2		230VAC / 60Hz

Radiation Modes:

1	Normal Mode	120VAC / 60Hz
2	Normal Mode Normal Mode / 1-12GHz	230VAC / 60Hz

Worst:

Conduction: Mode 2

Radiation: Mode 2

3.2. EUT SYSTEM OPERATION

1. Press the start menu, select executive and type ping 192.168.0.2 –t (Server PC), ping 192.168.0.1 –t (Server PC).

Note: Test program is self-repeating throughout the test.

4 SETUP OF EQUIPMENT UNDER TEST

4.1. 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.

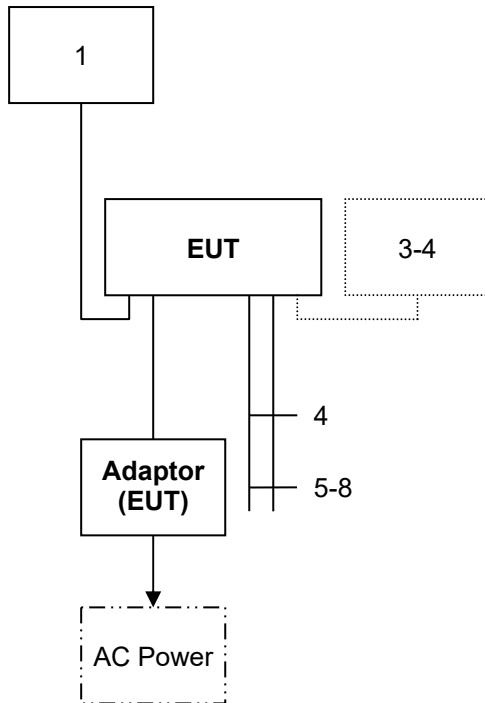
Peripherals Devices:

No.	Equipment	Model No.	Serial No.	FCC ID / BSMI ID	Brand Name	Data Cable	Power Cord
1	USB HDD	HD-E1	0ADL0A1541813B0	DOC BSMI: D33021	SONY	Shielded, 0.5m	N/A
2-3	Server PC	T3610	N/A	DOC BSMI: R33002	Dell	Unshielded, 20m	Unshielded, 1.8m
4	LAN to COM Cable	N/A	N/A	N/A	N/A	Shielded, 1.8m	N/A
5-8	LAN Cable	N/A	N/A	N/A	N/A	Unshielded, 3.0m	N/A

Note:

- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.2. CONFIGURATION OF SYSTEM UNDER TEST



5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at CCSrf Taiwan Xindian Lab. at No.163-1, Jhongsheng Rd., Xindian Dist., New Taipei City, 23151 Taiwan.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4 and CISPR 16-1-5.

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

Taiwan
USA

TAF
A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada
Japan
Taiwan
USA

Industry Canada
VCCI
BSMI
FCC

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccsrf.com>

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions	0.15MHz ~ 30MHz	± 2.76
Radiated emissions	30MHz ~ 1000MHz	± 5.23
	1000MHz ~ 18000MHz	± 4.69
	18000MHz ~ 40000MHz	± 4.12

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2005, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than U_{CISPR} which is 3.4dB(AMN) and 6.3dB(OATS) respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.

6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

6.2. TEST INSTRUMENTS

Conducted Emission room # B				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
BNC Cable	EMCI	CFD300-NL	BNC#B5	01/06/2020
EMI Test Receiver	R&S	ESCI	100234	05/06/2020
LISN	Schwarzbeck	NSLK 8127	8127526	05/07/2020
LISN(EUT)	Schwarzbeck	NSLK 8127	8127382	05/07/2020
Pulse Limiter	R&S	ESH3-Z2	100374	01/06/2020
Thermo-Hygro Meter	Wisewind	201A	SD-S017	09/17/2020
Test S/W	EZ-EMC			

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. N.C.R = No Calibration Request.

6.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

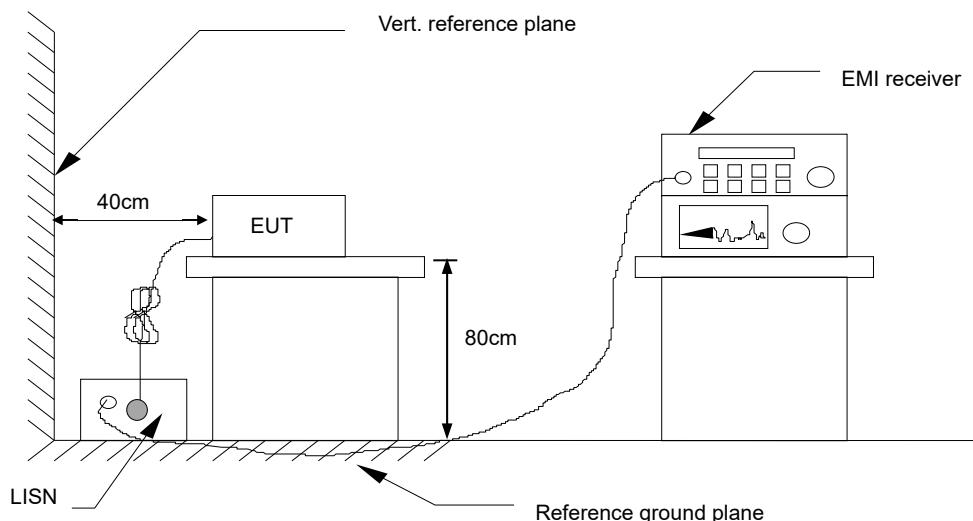
Procedure of Preliminary Test

- The EUT and support equipment, if needed, were set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed by AC 120VAC/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- All support equipment power by from a second LISN.
- The test program of the EUT was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.

6.4. TEST SETUP



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.5. DATA SAMPLE

Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector (P/Q/A)	Line (L1/L2)
x.xx	42.95	0.55	43.50	56	-12.50	Q	L1

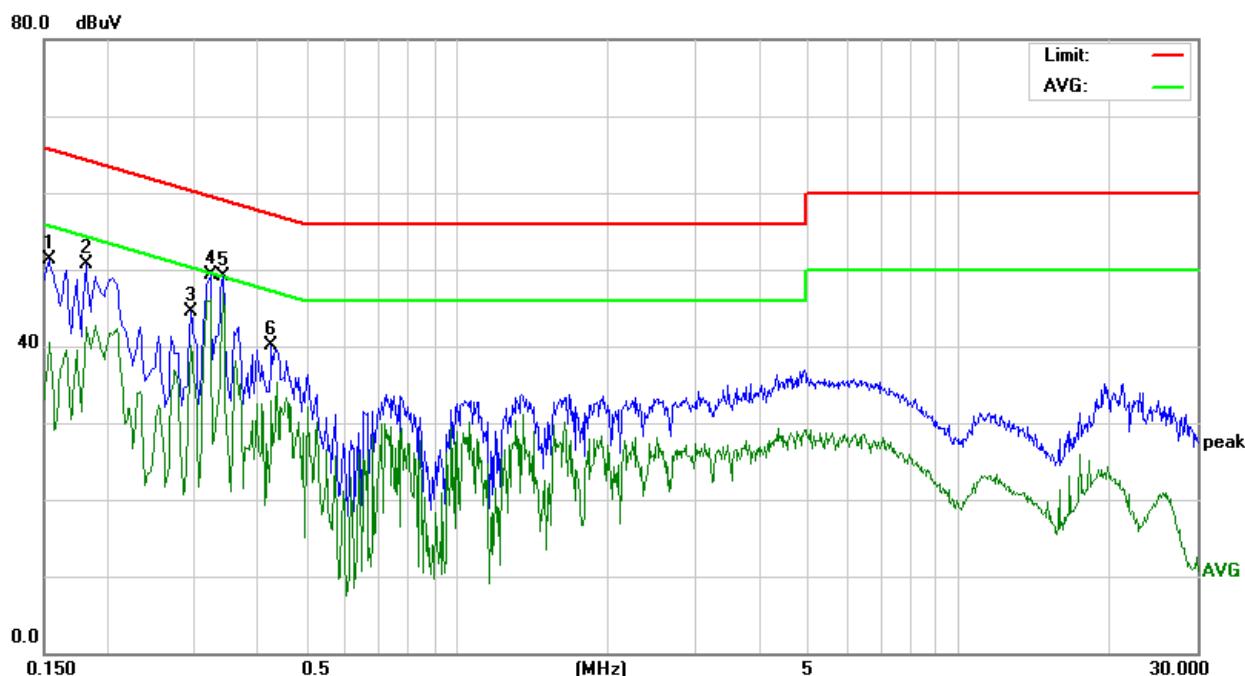
Fred. = Emission frequency in MHz
 Reading = Uncorrected Analyzer/Receiver reading
 Factor = Insertion loss of LISN + Cable Loss + Pulse Limit
 Result = Reading + Factor
 Limit = Limit stated in standard
 Margin = Reading in reference to limit
 P = Peak Reading
 Q = Quasi-peak Reading
 A = Average Reading
 L1 = Hot side
 L2 = Neutral side

Calculation Formula

$$\text{Margin (dB)} = \text{Result (dBuV)} - \text{Limit (dBuV)}$$

6.6. TEST RESULTS

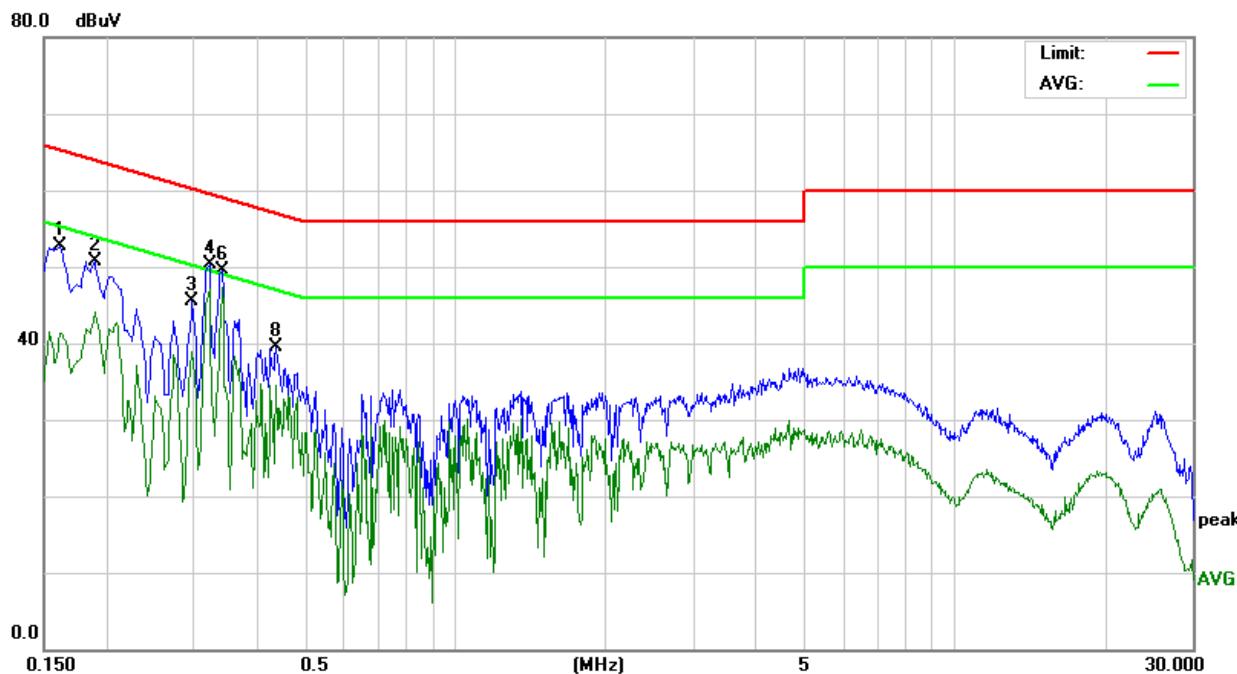
Model No.	Balance Two	6dB Bandwidth	9 kHz
Environmental Conditions	24°C, 56% RH	Test Mode	Mode 2
Tested by	Jim Lian	Phase	L1
Standard	FCC CLASS B		



Conducted Emission Readings							
Frequency Range Investigated				150 kHz to 30 MHz			
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector (P/Q/A)	Line (L1/L2)
0.1539	41.18	10.08	51.26	65.78	-14.52	P	L1
0.1819	40.65	10.06	50.71	64.39	-13.68	P	L1
0.2940	34.50	10.08	44.58	60.41	-15.83	P	L1
0.3220	39.15	10.07	49.22	59.65	-10.43	P	L1
0.3420	39.03	10.07	49.10	59.15	-10.05	P	L1
0.4260	29.94	10.08	40.02	57.33	-17.31	P	L1

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Model No.	Balance Two	6dB Bandwidth	9 kHz
Environmental Conditions	24°C, 56% RH	Test Mode	Mode 2
Tested by	Jim Lian	Phase	L2
Standard	FCC CLASS B		



Conducted Emission Readings							
Frequency Range Investigated				150 kHz to 30 MHz			
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector (P/Q/A)	Line (L1/L2)
0.1620	42.64	10.04	52.68	65.36	-12.68	P	L2
0.1900	40.75	10.03	50.78	64.03	-13.25	P	L2
0.2980	35.37	10.05	45.42	60.30	-14.88	P	L2
0.3220	40.35	10.05	50.40	59.65	-9.25	P	L2
0.3220	37.08	10.05	47.13	49.65	-2.52	A	L2
0.3420	39.46	10.05	49.51	59.15	-9.64	P	L2
0.3420	37.27	10.05	47.32	49.15	-1.83	A	L2
0.4380	29.37	10.06	39.43	57.10	-17.67	P	L2

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

7 RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1GHz (for digital device)

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 - 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency (MHz)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	49.5	69.5	54	74

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. The measurement above 1GHz is at close-in distances 3m, and determine the limit L_2 corresponding to the close-in distance d_2 by applying the following relation: $L_2 = L_1 (d_1/d_2)$, where L_1 is the specified limit in microvolts per metre (uV/m) at the distance d_1 (10m), L_2 is the new limit for distance d_2 (3m).

So the new Class A limit above 1GHz at 3m is as following table:

Frequency (MHz)	Class A (dBuV/m) (At 3m)	
	Average	Peak
Above 1000	60	80

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

7.2. TEST INSTRUMENTS

Open Area Test Site # J				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Bilog Antenna	Sunol	JB1	A100209-2	04/22/2020
Cable	EMEC	CFD400NL-LW	N-Type#J9&JA	04/07/2020
EMI Test Receiver	R&S	ESCI	101054	04/15/2020
Pre-Amplifier	EMCI	EMC330H	980140	09/26/2020
Thermo-Hygro Meter	Wisewind	201A	No. 04	05/21/2020
Test S/W	EZ-EMC			
Above 1GHz Used				
Horn Antenna	ETS	3117	00139062	08/07/2020
K-Type Cable x 1m (1-40GHz)	Rosnol	K1K50-UP0264-K1k50-1M	160215-1	11/26/2019
Microflex Cable x 7m (1-18GHz)	Rosnol	A1K50-EW0630-A1k50-700CM	SD-R028	11/26/2019
Pre-Amplifier	HP	8449B	3008A01266	11/25/2019
Signal Analyzer	Agilent	N9010A	MY53440125	12/25/2019
Thermo-Hygro Meter	Wisewind	N/A	SD-R027	09/17/2020
Test S/W	EZ-EMC			

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. N.C.R = No Calibration Request.

7.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

Procedure of Preliminary Test

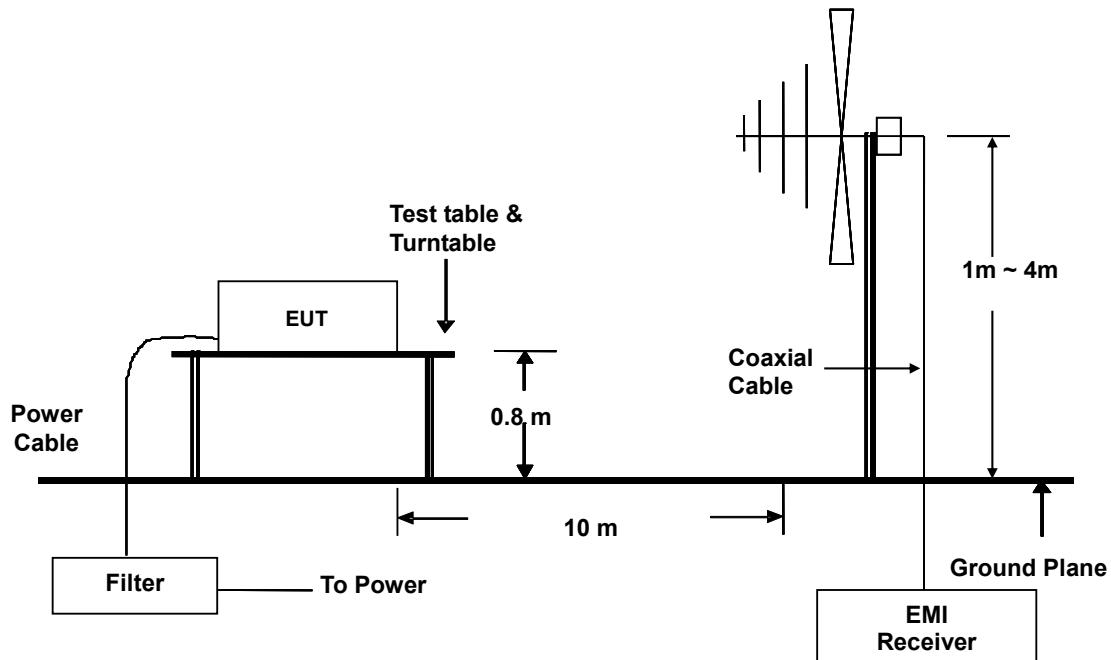
- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

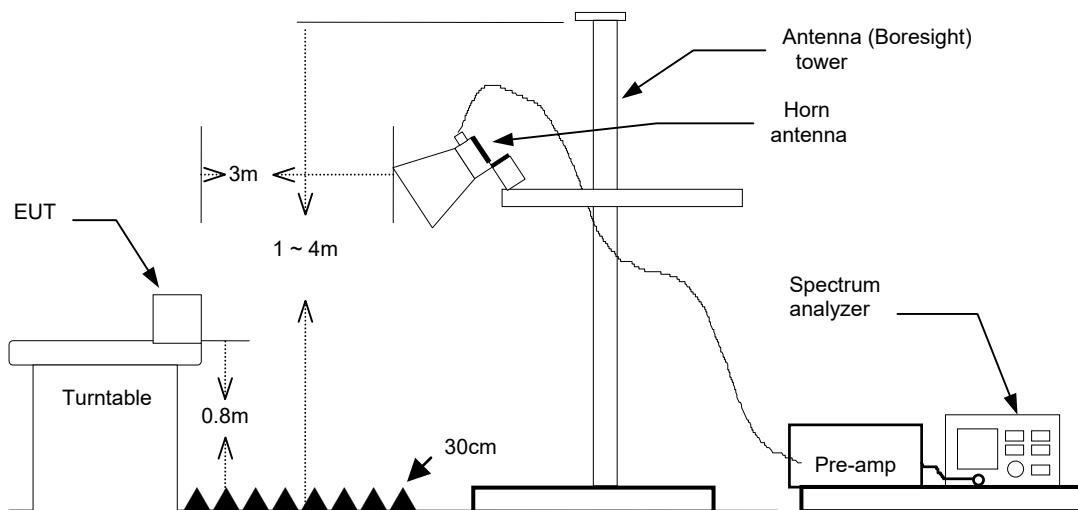
- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

7.4. TEST SETUP

Below 1GHz



Above 1GHz



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.5. DATA SAMPLE

Below 1GHz

Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/Q)	Pol. (H/V)
x.xx	14.0	12.2	26.2	30	-3.8	Q	H

Above 1GHz

Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
x.xx	42.95	0.55	43.50	54	-10.50	A	H

Freq.	= Emission frequency in MHz
Reading	= Uncorrected Analyzer/Receiver reading
Factor	= Antenna Factor + Cable Loss - Amplifier Gain
Result	= Reading + Factor
Limit	= Limit stated in standard
Margin	= Reading in reference to limit
P	= Peak Reading
Q	= Quasi-peak Reading
A	= Average Reading
H	= Antenna Polarization: Horizontal
V	= Antenna Polarization: Vertical

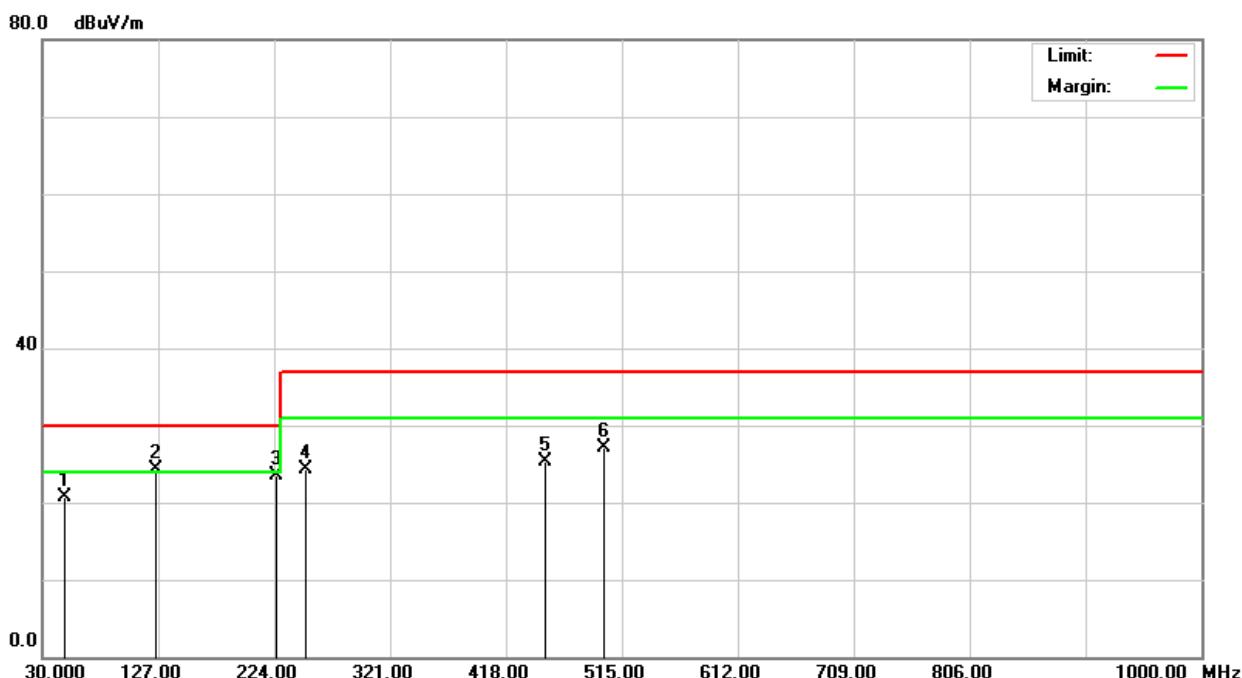
Calculation Formula

$$\text{Margin (dB)} = \text{Result (dBuV/m)} - \text{Limit (dBuV/m)}$$

7.6. TEST RESULTS

Below 1GHz

Model No.	Balance Two	Test Mode	Mode 2
Environmental Conditions	26°C, 68% RH	6dB Bandwidth	120 kHz
Antenna Pole	Vertical	Antenna Distance	10m
Detector Function	Quasi-peak.	Tested by	Jim Lian
Standard	FCC CLASS B W/ CISPR 22 CLASS B LIMIT		

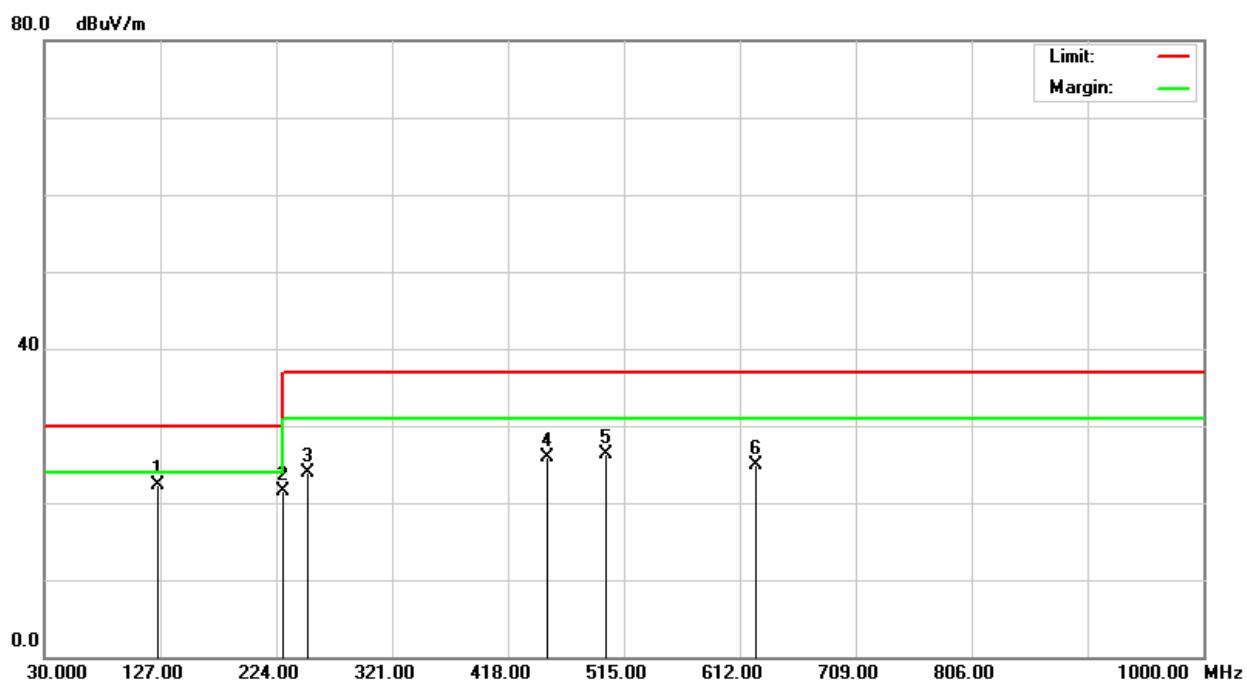


Radiated Emission Readings									
Frequency Range Investigated				30 MHz to 1000 MHz at 10m					
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Detector (P/Q)	Pol. (H/V)
48.7000	37.30	-16.63	20.67	30.00	-9.33	100	229	Q	V
125.0020	35.10	-10.78	24.32	30.00	-5.68	100	245	Q	V
226.2400	36.90	-13.43	23.47	30.00	-6.53	100	171	Q	V
250.0040	37.10	-12.86	24.24	37.00	-12.76	100	67	Q	V
451.5800	31.20	-5.86	25.34	37.00	-11.66	400	339	Q	V
500.0040	31.60	-4.45	27.15	37.00	-9.85	400	182	Q	V

Note: 1. 30MHz to 1000MHz test is Applicable CISPR 22 standard.

2. P= Peak Reading; Q= Quasi-peak Reading.

Model No.	Balance Two	Test Mode	Mode 2
Environmental Conditions	26°C, 68% RH	6dB Bandwidth	120 kHz
Antenna Pole	Horizontal	Antenna Distance	10m
Detector Function	Quasi-peak.	Tested by	Jim Lian
Standard	FCC CLASS B W/ CISPR 22 CLASS B LIMIT		



Radiated Emission Readings									
Frequency Range Investigated				30 MHz to 1000 MHz at 10m					
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Detector (P/Q)	Pol. (H/V)
125.0000	33.00	-10.78	22.22	30.00	-7.78	400	192	Q	H
229.3000	34.90	-13.30	21.60	30.00	-8.40	400	50	Q	H
250.0040	36.70	-12.86	23.84	37.00	-13.16	400	312	Q	H
451.6000	31.80	-5.86	25.94	37.00	-11.06	100	298	Q	H
500.0020	30.70	-4.45	26.25	37.00	-10.75	100	224	Q	H
625.0000	26.90	-1.99	24.91	37.00	-12.09	100	151	Q	H

Note: 1. 30MHz to 1000MHz test is Applicable CISPR 22 standard.

2. P= Peak Reading; Q= Quasi-peak Reading.

Above 1GHz

Model No.	Balance Two	Test Mode	Mode 2
Environmental Conditions	24°C, 58% RH	6dB Bandwidth	1 MHz
Antenna Pole	Vertical / Horizontal	Antenna Distance	3m
Highest frequency generated or used	2400MHz	Upper frequency	12000MHz
Detector Function	Peak and average.	Tested by	Jim Lian
Standard	FCC CLASS B		

Radiated Emission Readings							
Frequency Range Investigated				Above 1GHz at 3m			
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
1458.333	54.80	-6.73	48.07	74.00	-25.93	P	V
2393.333	47.15	-2.59	44.56	74.00	-29.44	P	V
2998.333	50.28	-1.51	48.77	74.00	-25.23	P	V
4520.000	46.27	1.48	47.75	74.00	-26.25	P	V
4960.000	45.89	1.32	47.21	74.00	-26.79	P	V
7270.000	45.43	3.41	48.84	74.00	-25.16	P	V
10020.000	46.41	5.10	51.51	74.00	-22.49	P	V
11853.333	45.66	7.20	52.86	74.00	-21.14	P	V

Radiated Emission Readings							
Frequency Range Investigated				Above 1GHz at 3m			
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)
1348.333	55.14	-6.36	48.78	74.00	-25.22	P	H
1476.667	55.35	-6.80	48.55	74.00	-25.45	P	H
2998.333	48.65	-1.51	47.14	74.00	-26.86	P	H
5931.667	45.14	2.61	47.75	74.00	-26.25	P	H
7270.000	45.35	3.41	48.76	74.00	-25.24	P	H
8681.667	45.53	3.78	49.31	74.00	-24.69	P	H
10808.333	46.28	6.56	52.84	74.00	-21.16	P	H
12000.000	45.98	7.32	53.30	74.00	-20.70	P	H

Note: 1. P= Peak Reading; A= Average Reading.