



INDUSTRY CANADA RSS-210

TEST REPORT

for

ViVOpay Kiosk III

Model: ViVOpay Kiosk III

Brand: ViVOpay

Test Report Number:

C150826Z01-RC1

Issued for:

ID TECH

10721 Walker Street, Cypress, California 90630

Issued by:

COMPLIANCE CERTIFICATION SERVICES (SHENZHEN) INC.

No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd.,
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Issued Date: September 28, 2015



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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	September 28, 2015	Initial Issue	ALL	Nancy Fu



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1 TEST CERTIFICATION

Product	ViVOPay Kiosk III
Model	ViVOPay Kiosk III
Brand	ViVOPay
Tested	August 26~September 28, 2015
Applicant	ID TECH 10721 Walker Street, Cypress, California 90630
Manufacturer	ID TECH 10721 Walker Street, Cypress, California 90630

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
IC RSS-210 ISSUE 8 with amendment December 2010	No non-compliance noted

We hereby certify that:

Compliance Certification Services (Shenzhen) Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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

Approved by:

Sunday Hu
Supervisor of EMC Dept.
Compliance Certification Services (Shenzhen) Inc.

Reviewed by:

Ruby Zhang
Supervisor of Report Dept.
Compliance Certification Services (Shenzhen) Inc.



2 EUT DESCRIPTION

Product	ViVOpay Kiosk III
Model	ViVOpay Kiosk III
Brand	ViVOpay
Model Discrepancy	N/A
Identify Number	C150826Z01-RC1
Power Supply	DC7.5V Supplied by the adapter
Received Date	August 26, 2015
Frequency Range	13.56 MHz
Transmit Power	74.69dBuV/m(measured at 3m)
Modulation Technique	ASK
Number of Channels	1Channels
Antenna Specification	PCB Antenna with 0dBi gain (MAX)
Temperature Range	-25°C ~ +70°C
Hardware Version	80136304-001&80136302-001
Software Version	NEO v1.00



3 TEST METHODOLOGY

The tests documented in this report were performed in accordance with IC RSS-210, IC RSS-Gen, and ANSI C63.10:2013.

This submittal(s) (test report) is intended for IC Certification No: 9847A-KIISRED filing to comply with Industry CANADA RSS210.

3.1. RSS-210 RESTRICTED BANDS OF OPERATIONS

Restricted bands, identified in Table 3 of RSS-Gen.

Table 3: Restricted Frequency Bands ^(Note)

MHz	MHz	MHz	GHz
0.090-0.110	12.57675-12.57725	960-1427	9.0-9.2
2.1735-2.1905	13.36-13.41	1435-1626.5	9.3-9.5
3.020-3.026	16.42-16.423	1645.5-1646.5	10.6-12.7
4.125-4.128	16.69475-16.69525	1660-1710	13.25-13.4
4.17725-4.17775	16.80425-16.80475	1718.8-1722.2	14.47-14.5
4.20725-4.20775	25.5-25.67	2200-2300	15.35-16.2
5.677-5.683	37.5-38.25	2310-2390	17.7-21.4
6.215-6.218	73-74.6	2655-2900	22.01-23.12
6.26775-6.26825	74.8-75.2	3260-3267	23.6-24.0
6.31175-6.31225	108-138	3332-3339	31.2-31.8
8.291-8.294	156.52475-156.52525	3345.8-3358	36.43-36.5
8.362-8.366	156.7-156.9	3500-4400	Above 38.6
8.37625-8.38675	240-285	4500-5150	
8.41425-8.41475	322-335.4	5350-5460	
12.29-12.293	399.9-410	7250-7750	
12.51975-12.52025	608-614	8025-8500	

Note: Certain frequency bands listed in Table 3 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to the devices are set out in the 200– and 300– series RSSs, such as RSS-210 and RSS-310, which contain the requirements that apply to licence-exempt radio apparatus.

3.2. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

The following test mode(s) were scanned during the preliminary test below 1G and Below 1G:

Test Item	Test mode	Worse mode
Conducted Emission	Mode 1: TX	☒
Radiated Emission	Mode 1: TX	☒



4 FACILITIES AND ACCREDITATIONS

4.1. FACILITIES

All measurement facilities used to collect the measurement data are located at

☒ **No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China**

The sites are constructed in conformance with the requirements of ANSI C63.4, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

4.2. ACCREDITATIONS

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

USA	A2LA
China	CNAS

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

USA	FCC
Japan	VCCI(C-3478, R-3135, T-652, G-624)
Canada	INDUSTRY CANADA
Taiwan	BSMI

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

4.3. 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:

Parameter	Uncertainty
Radiated Emission, 30 to 200 MHz Test Site : 966(2)	+/-3.6880dB
Radiated Emission, 200 to 1000 MHz Test Site : 966(2)	+/-3.6695dB
Radiated Emission, 1 to 8 GHz	+/-5.1782dB
Radiated Emission, 8 to 18 GHz	+/-5.2173dB
Conducted Emissions	+/-3.6836dB
Band Width	178kHz
Peak Output Power MU	+/-1.906dB
Band Edge MU	+/-0.182dB
Channel Separation MU	416.178Hz
Duty Cycle MU	0.054ms
Frequency Stability MU	226Hz

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

The measured result is above (below) the specification limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliance based on the 95% level of confidence. However, the result indicates that compliance (non-compliance) is more probable than non-compliance) with the specification limit.



5 SETUP OF EQUIPMENT UNDER TEST

5.1. 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.

5.2. SUPPORT EQUIPMENT

No.	Equipment	Model No.	Serial No.	FCC ID	Brand	Data Cable	Power Cord
1	Notebook	B475	WB04861612	DOC	LENOVO	N/A	Unshielded 1.80m
2	Adapter	DSA-12PFA-05 FUS 075100	N/A	N/A	DVE	N/A	Unshielded 1.50m

Note:

Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



6 RSS 210 REQUIREMENTS

6.1. 99% BANDWIDTH

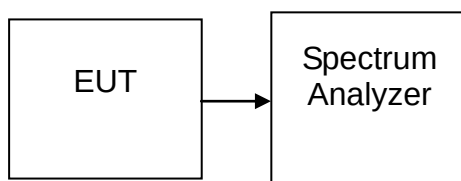
The test of the item was performed in accordance with the standards RSS-Gen 4.6.1.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	09/24/2015	09/23/2016
Cable	HuberSuhner	SUCOFLEX104PEA	N/A	N/A	N/A

Remark: Each piece of equipment is scheduled for calibration once a year.

Test Configuration



TEST PROCEDURE

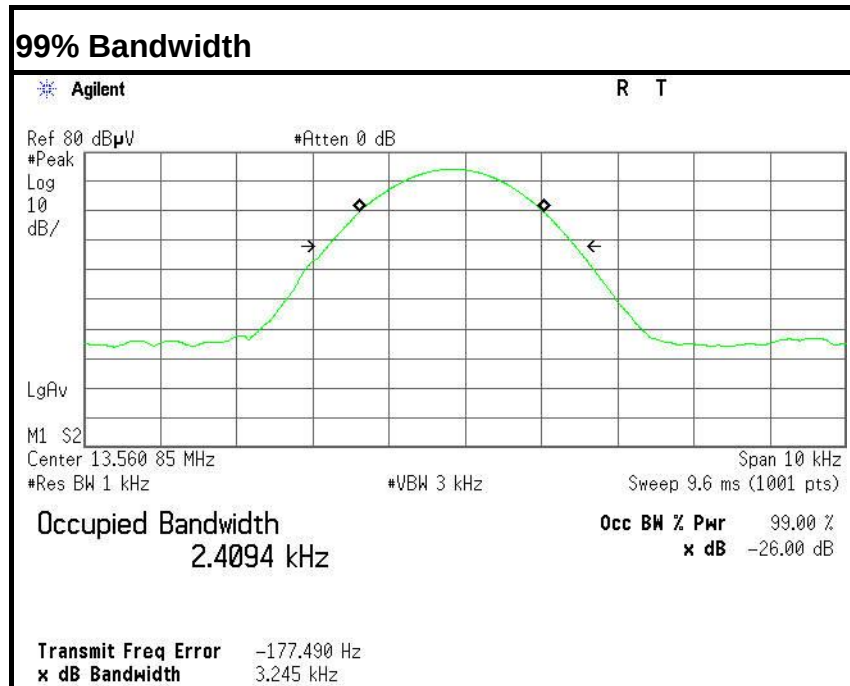
1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW=1kHz, VBW = 3kHz, Span = 10kHz, Sweep = auto.
4. Record the max. reading.

TEST RESULTS

Channel	Frequency (MHz)	B (kHz)
CH1	13.56	2.4094



Test Plot





6.2. RADIATED EMISSIONS

6.2.1. LIMITS OF RADIATED EMISSIONS MEASUREMENT

All spurious emissions shall comply with the limits of RSS-Gen Table 2&5&6.

Table 2: Radiated Limits of Receiver Spurious Emissions

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)*
30-88	100
88-216	150
216-960	200
Above 960	500

Note: *Measurements for compliance with limits in the above table may be performed at distances other than 3 metres, in accordance with Section 7.2.7.

Table 5: General Field Strength Limits for Transmitters at Frequencies Above 30 MHz

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)*
30-88	100
88-216	150
216-960	200
Above 960	500

Note: Transmitting devices are not permitted in restricted frequency bands or, unless stated otherwise, in TV bands (54-72 MHz, 76-88 MHz, 174-216 MHz, 470-608 MHz and 614-806 MHz)

Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency (MHz)	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
0.009-0.490	2,400/F (F in kHz)	2,400/377F (F in kHz)	300
0.490-1.705	24,000/F (F in kHz)	24,000/377F (F in kHz)	30
1.705-30.0	30	N/A	30

Note: The emission limits for the bands 9-90 kHz and 110-490 kHz are based on measurements employing an average detector.

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

Frequency (MHz)	Field Strength (μ V/m at 3-meter)	Field Strength (dBuV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

**6.2.2. TEST INSTRUMENTS**

Radiated Emission Test Site 966 (2)					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/28/2015	02/27/2016
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/28/2015	02/27/2016
Amplifier	MITEQ	AM-1604-3000	1123808	03/18/2015	03/18/2016
High Noise Amplifier	Agilent	8449B	3008A01838	02/28/2015	02/27/2016
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2015	02/27/2016
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/28/2015	02/27/2016
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/28/2015	02/27/2016
Loop Antenna	COM-POWER	AL-130	121044	09/25/2015	09/24/2016
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/28/2015	02/27/2016
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

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. The FCC Site Registration number is 93105/90471.

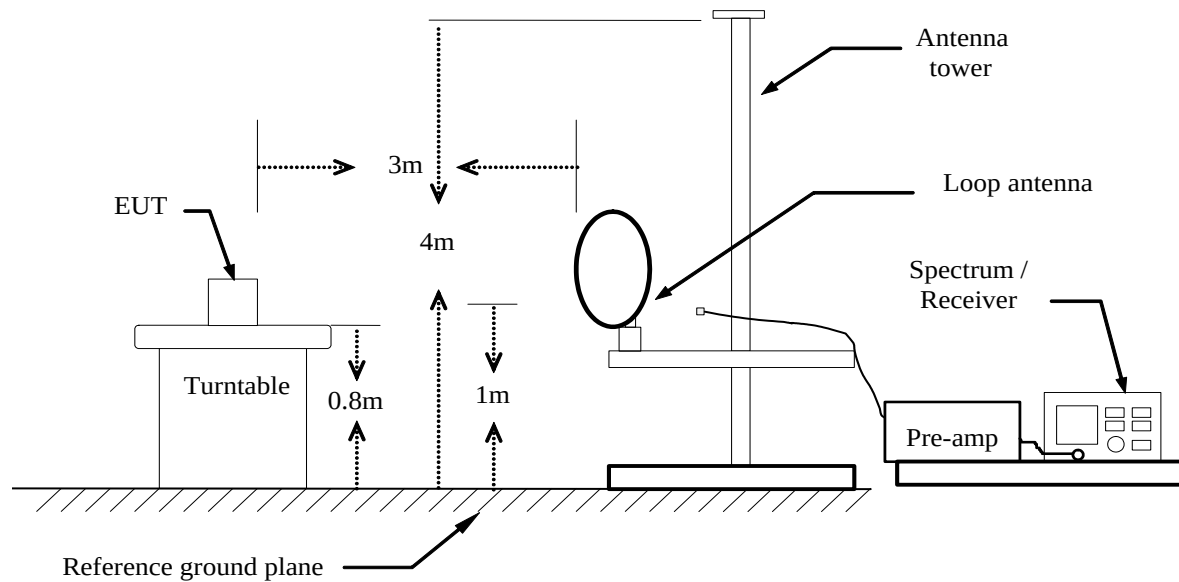
3. N.C.R = No Calibration Required.

6.2.3. TEST PROCEDURE (please refer to measurement standard)

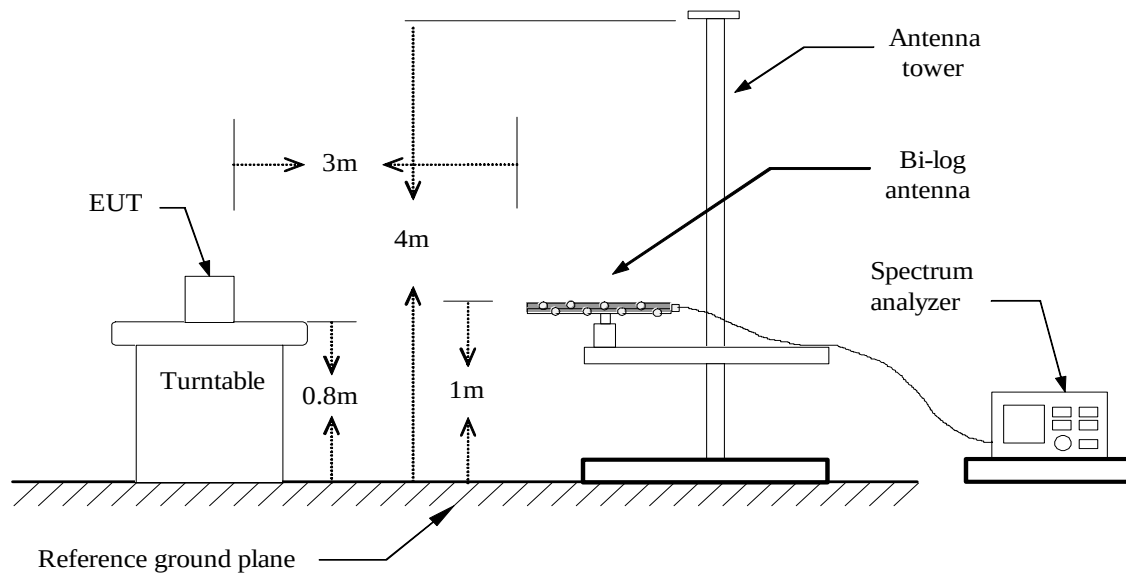
1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:
Below 30MHz:
9kHz~150kHz: RBW=200Hz / VBW=600Hz / Sweep=AUTO
150kHz~30MHz: RBW=9kHz / VBW=27kHz / Sweep=AUTO
Above 30MHz:
RBW=100kHz / VBW=300kHz / Sweep=AUTO
7. Repeat above procedures until the measurements for all frequencies are complete.

6.2.4. TEST SETUP

Below 30MHz



Below 1 GHz



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



6.2.5. ATA SAMPLE

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXX.XXXX	47.40	-21.61	25.79	40.00	-14.21	V	QP

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
QP = Quasi-peak Reading



6.2.6. TEST RESULTS

Below 30MHz(9kHz~30MHz)

Operation Mode: TX

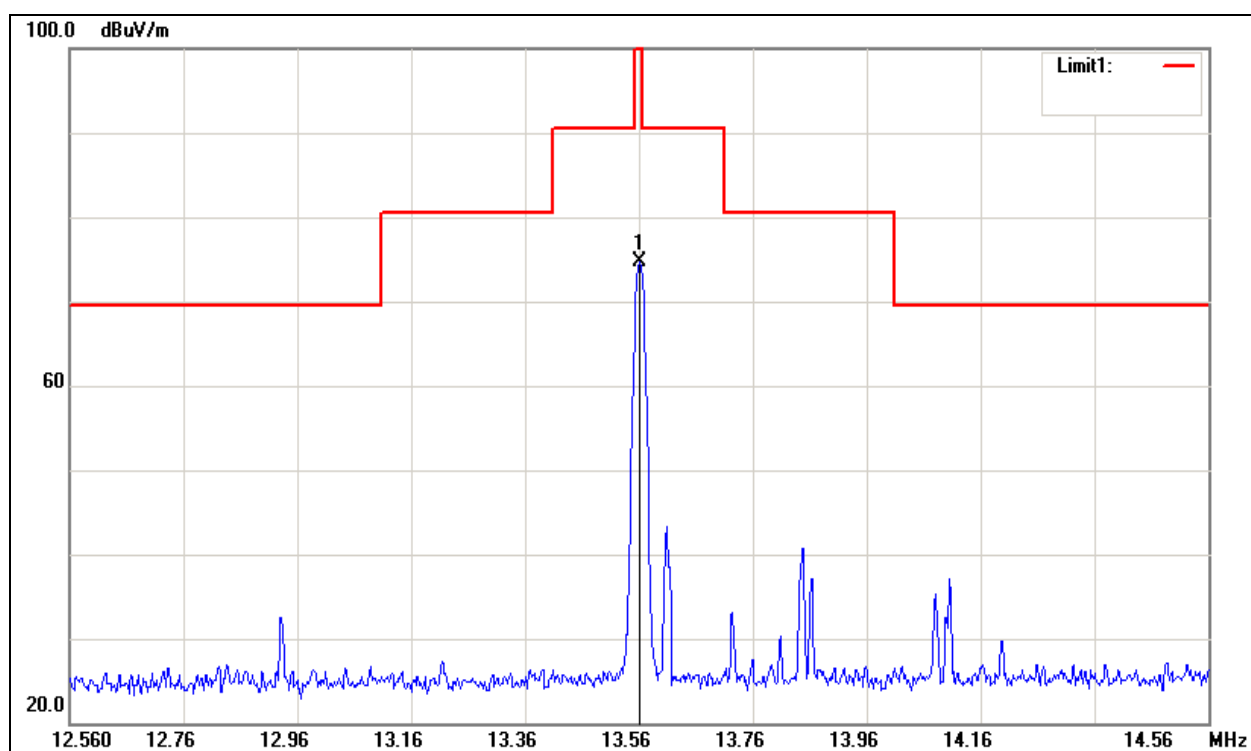
Test Date: September 26, 2015

Temperature: 24°C

Tested by: Eve Wang

Humidity: 52% RH

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
13.5600	60.40	14.29	74.69	124.00	-49.31	Peak





Operation Mode: TX

Test Date: September 26, 2015

Temperature: 24°C

Tested by: AD Gan

Humidity: 52% RH

Frequency (MHz)	Reading (dBμV)	Correction Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
0.0145	52.13	14.90	67.03	124.83	-57.80	QP
0.0560	43.32	14.15	57.47	113.17	-55.70	QP
0.0648	45.45	14.14	59.59	111.70	-52.11	QP
7.4931	25.28	14.76	40.04	69.54	-29.50	QP
14.1795	22.09	14.14	36.23	69.54	-33.31	QP
21.5823	13.67	14.32	27.99	69.54	-41.55	QP

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. $dBuV = dBuA + 51.5dB$



Below 1 GHz(30MHz~1GHz)

Frequency (MHz)	Reading (dBμV)	Correction Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
40.6700	49.93	-16.69	33.24	40.00	-6.76	V	QP
232.7300	56.57	-21.75	34.82	46.00	-11.18	V	QP
299.6600	55.48	-19.60	35.88	46.00	-10.12	V	QP
375.3200	47.66	-16.82	30.84	46.00	-15.16	V	QP
515.0000	45.22	-14.19	31.03	46.00	-14.97	V	QP
721.6100	40.63	-11.82	28.81	46.00	-17.19	V	QP
40.6700	48.71	-16.69	32.02	40.00	-7.98	H	QP
232.7300	59.92	-21.75	38.17	46.00	-7.83	H	QP
298.6900	59.74	-19.69	40.05	46.00	-5.95	H	QP
366.5900	53.99	-17.28	36.71	46.00	-9.29	H	QP
487.8400	45.98	-14.36	31.62	46.00	-14.38	H	QP
515.0000	47.20	-14.19	33.01	46.00	-12.99	H	QP

REMARKS:

1. Measuring frequencies from 9kHz to the 1GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using quasi-peak detector mode.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Margin (dB) = Remark result (dBUV/m) – Quasi-peak limit (dBUV/m)



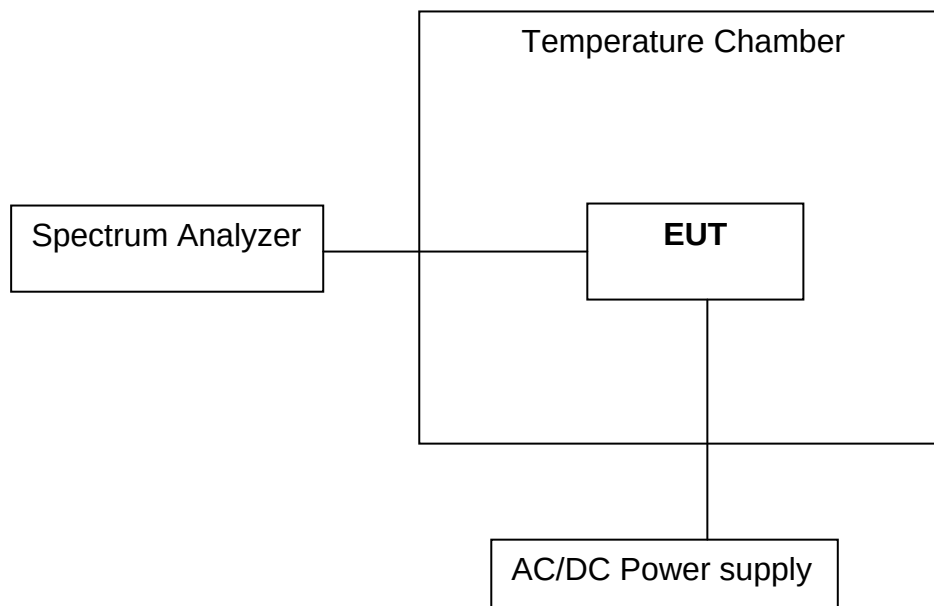
6.3. FREQUENCY STABILITY

LIMIT

According to RSS-210 §A2.6, carrier frequency stability shall be maintained to $\pm 0.01\%$ (± 100 ppm).

TEST CONFIGURATION

Temperature and Voltage Measurement (under normal and extreme test conditions)



TEST PROCEDURE

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the environment into appropriate environment.
4. Set the spectrum analyzer as RBW=1kHz, VBW = RBW, Span = 200kHz, Sweep = auto.
5. Mark the peak frequency and measure the frequency tolerance using frequency counter function.
6. Repeat until all the results are investigated.



TEST RESULTS

No non-compliance noted.

Temperature Variations

Temp. (°C)	Voltage (VDC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (%)	Limit (±%)	Margin (%)	Result (Pass/Fail)
-20	7.5	13.5606424	10	0.00007	0.01	-0.00993	Pass
-10		13.5606318	30	0.00022	0.01	-0.00978	Pass
0		13.5606292	10	0.00007	0.01	-0.00993	Pass
10		13.5606485	170	0.00125	0.01	-0.00875	Pass
20		13.5606518	10	0.00007	0.01	-0.00993	Pass
30		13.5606592	80	0.00059	0.01	-0.00941	Pass
40		13.5606435	20	0.00015	0.01	-0.00985	Pass
50		13.5606658	100	0.00074	0.01	-0.00926	Pass

Voltage Variations

Temp. (°C)	Voltage (VDC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (%)	Limit (±%)	Margin (%)	Result (Pass/Fail)
20	6.75	13.5606572	150	0.00111	0.01	-0.00889	Pass
	7.50	13.5607258	10	0.00007	0.01	-0.00993	Pass
	8.25	13.5607691	40	0.00029	0.01	-0.00971	Pass



6.4. POWER LINE CONDUCTED EMISSIONS MEASUREMENT

6.4.1. LIMITS OF CONDUCTED EMISSIONS MEASUREMENT

According to RSS-Gen §7.2.4, except when the requirements applicable to a given device state otherwise, for any radio apparatus equipped to operate from the public utility AC power supply, either directly or indirectly (such as with a battery charger), the radio frequency voltage of emissions conducted back onto the AC power lines in the frequency range of 0.15 MHz to 30 MHz shall not exceed the limits shown in the table below. The more stringent limit applies at the frequency range boundaries.

The conducted emissions shall be measured with a 50 ohm/50 microhenry line impedance stabilization network (LISN).

Frequency Range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	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 of 0.15 to 0.50 MHz.

TEST INSTRUMENTS

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	04/21/2014	04/21/2015
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	03/01/2015	03/01/2016
LISN	EMCO	3825/2	8901-1459	03/01/2015	03/01/2016
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	03/17/2015	03/17/2016
Cable	HuberSuhner	SUCOFLEX104PEA	N/A	N/A	N/A
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE			

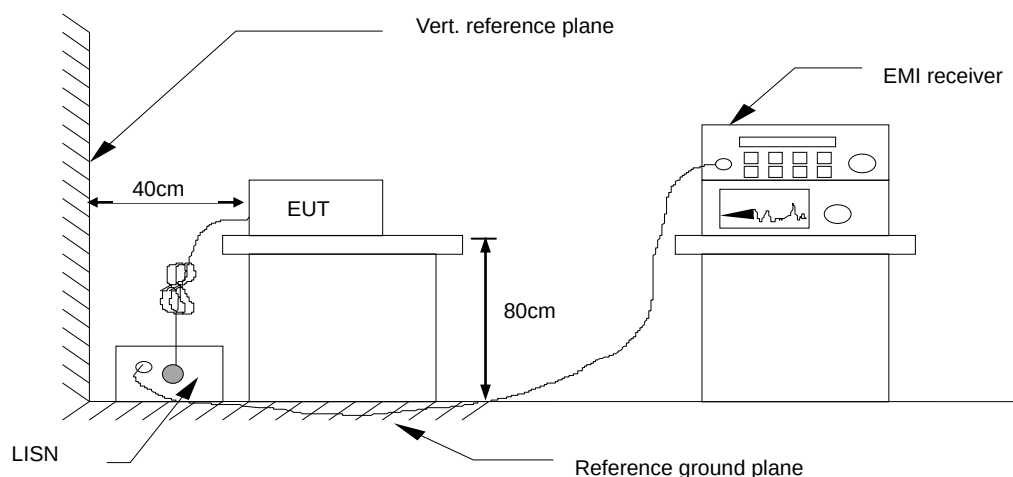
- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. N.C.R = No Calibration Request.



6.4.2. TEST PROCEDURES (please refer to measurement standard)

- The EUT and Support equipment, if needed, was placed on a non-conducted table, which is 0.8m above the ground plane and 0.4m away from the conducted wall.
- The test equipment EUT installed received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane. All support equipment power received from a second LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- The EUT test program 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 frequency range from 150 kHz to 30 MHz was searched. The test data of the worst-case condition(s) was recorded. Emission levels under limit 20dB were not recorded.

6.4.3. TEST SETUP



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

6.4.4. DATA SAMPLE

Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Line (L1/L2)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	L1

Frequency = Emission frequency in MHz
QuasiPeak Limit (dBuV) = Limit stated in standard
Average Limit (dBuV) = Limit stated in standard
QuasiPeak Margin (dB) = QuasiPeak Result (dBuV) – QuasiPeak Limit (dBuV)
Average Margin (dB) = Average Result (dBuV) – Average Limit (dBuV)
L1 = Line One (Live Line)
L2 = Line Two (Neutral Line)



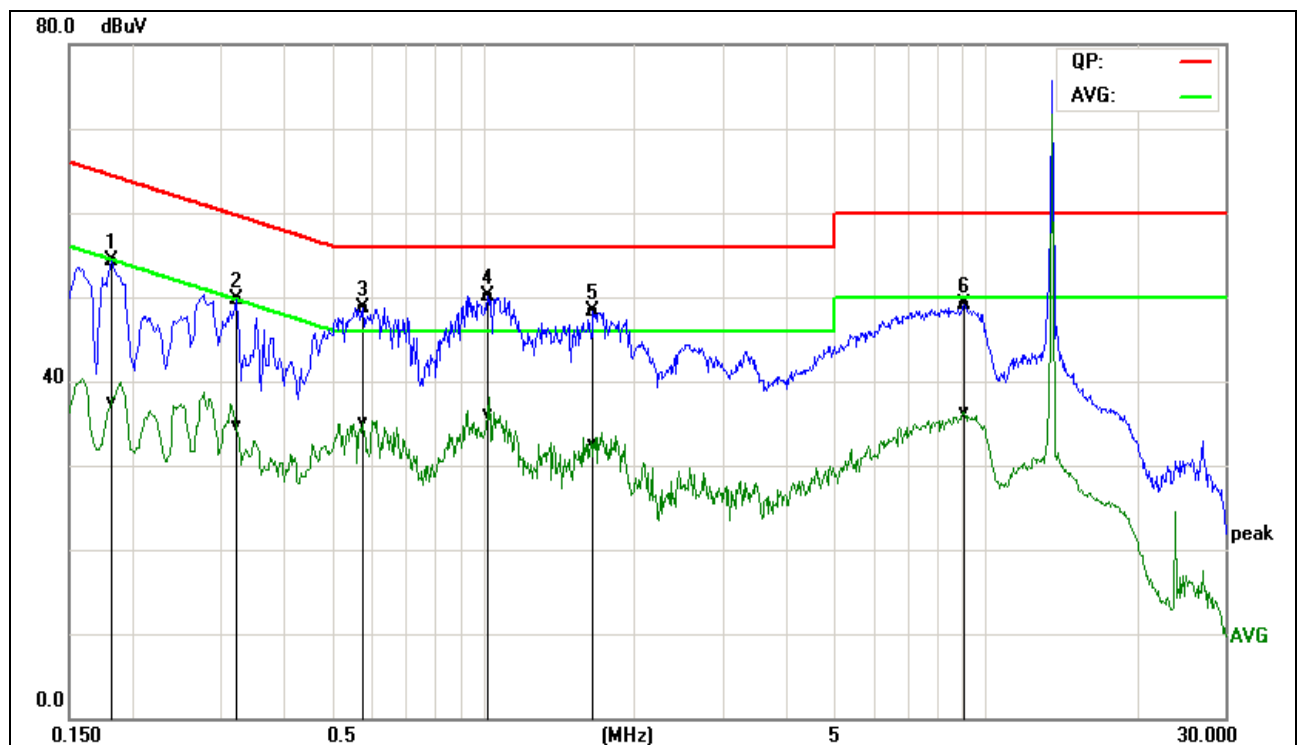
6.4.5. TEST RESULTS

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.



Test Data

Model No.	ViVOpay Kiosk III	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Normal
Tested by	Eve Wang	Line	L1
Test Date	September 10, 2015		



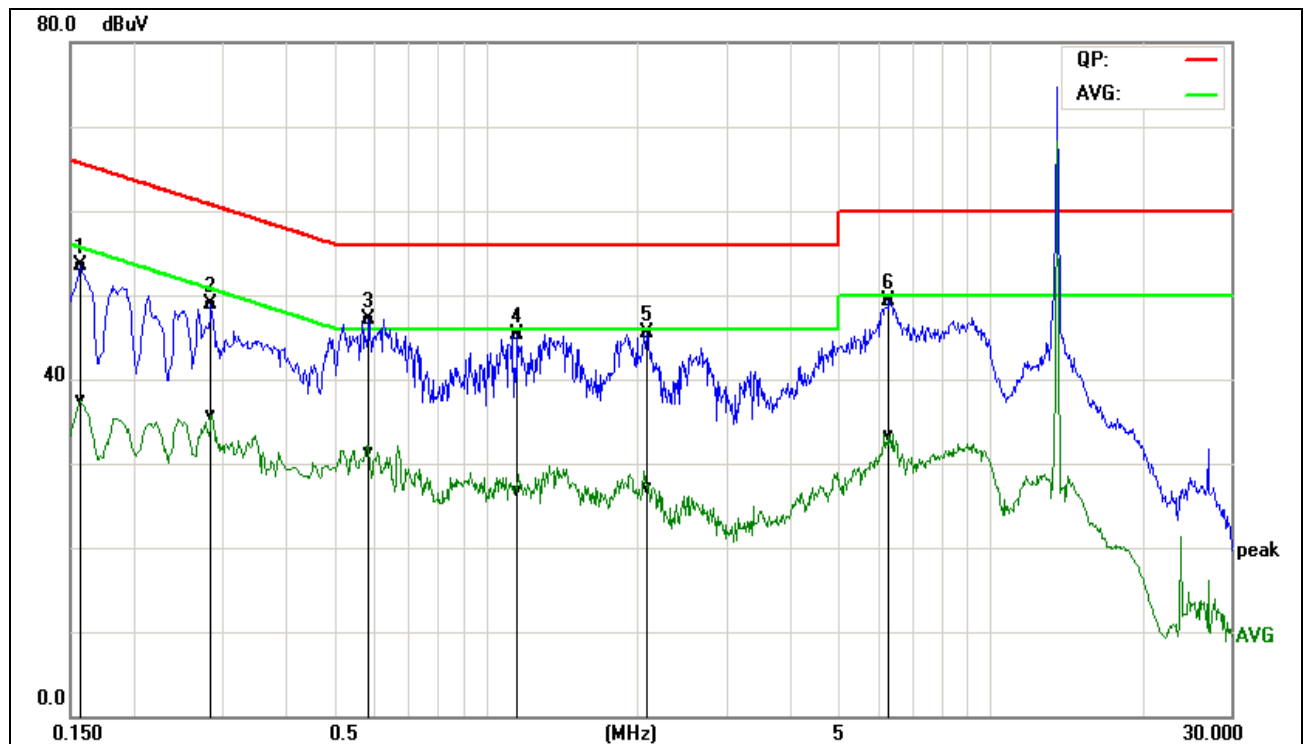
Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.1819	44.58	27.91	9.65	54.23	37.56	64.39	54.40	-10.16	-16.84	Pass
0.3220	40.06	24.99	9.69	49.75	34.68	59.65	49.66	-9.90	-14.98	Pass
0.5780	39.01	25.37	9.72	48.73	35.09	56.00	46.00	-7.27	-10.91	Pass
1.0260	40.33	26.42	9.71	50.04	36.13	56.00	46.00	-5.96	-9.87	Pass
1.6620	38.53	22.78	9.72	48.25	32.50	56.00	46.00	-7.75	-13.50	Pass
9.1020	39.23	26.39	9.84	49.07	36.23	60.00	50.00	-10.93	-13.77	Pass

Note:

1. Measuring frequencies from 0.15 MHz to 30MHz.
2. The emissions measured in frequency range from 0.15 MHz to 30MHz were made with an instrument using Peak detector, Quasi-peak detector and average detector.
3. "----" denotes the emission level was or more than 2dB below the Average limit.
4. The IF bandwidth of SPA between 0.15MHz to 30MHz was 10kHz; the IF bandwidth of Test Receiver between 0.15MHz to 30MHz was 9kHz;
5. L1= Line One (Live Line)



Model No.	ViVOpay Kiosk III	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Normal
Tested by	Eve Wang	Line	L2
Test Date	September 10, 2015		



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.1580	43.63	27.80	9.78	53.41	37.58	65.56	55.57	-12.15	-17.99	Pass
0.2860	39.05	25.99	9.76	48.81	35.75	60.64	50.64	-11.83	-14.89	Pass
0.5860	37.49	21.66	9.68	47.17	31.34	56.00	46.00	-8.83	-14.66	Pass
1.1539	35.54	16.91	9.79	45.33	26.70	56.00	46.00	-10.67	-19.30	Pass
2.0780	35.76	17.34	9.73	45.49	27.07	56.00	46.00	-10.51	-18.93	Pass
6.3100	39.46	23.50	9.78	49.24	33.28	60.00	50.00	-10.76	-16.72	Pass

Note:

1. Measuring frequencies from 0.15 MHz to 30MHz.
2. The emissions measured in frequency range from 0.15 MHz to 30MHz were made with an instrument using Peak detector, Quasi-peak detector and average detector.
3. "---" denotes the emission level was or more than 2dB below the Average limit.
4. The IF bandwidth of SPA between 0.15MHz to 30MHz was 10kHz; the IF bandwidth of Test Receiver between 0.15MHz to 30MHz was 9kHz;
5. L2= Line Two (Neutral Line)