

FCC PART 15C TEST REPORT

For

ROAM Data Inc.

280 Summer St, Boston MA, USA

FCC ID: 2ABY6-RP457

Report Type: **Product Type:** Original Report Mobile Payment Terminal Allen Dious Test Engineer: Allen Qiao Report Number: RXM160104051-00C Report Date: 2016-01-15 Souls Hoof Sula Huang Reviewed By: RF Leader **Test Laboratory:** Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The *ROAM Data Inc.*'s product, model number: *RP457 (FCC ID: 2ABY6-RP457)* (the "EUT") in this report was a *Mobile Payment Terminal*, which was measured approximately: 6.3 cm (L) x 6.7cm (W) x 2.3 cm (H), rated input voltage: DC3.7V rechargeable Li-ion battery or DC5V charging from USB port.

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Note: The series product, model RP457, RP456 are electrically identical, the difference between them please refer declaration letter, we selected RP457 for testing, the details difference was explained in the attached declaration letter.

All measurement and test data in this report was gathered from production sample serial number: 160104051 (Assigned by BACL, Dongguan). The EUT was received on 2016-01-04.

Objective

This Type approval report is prepared on behalf of *ROAM Data Inc.* in accordance with Part 2, Subpart J, and Part 15, Subparts A, B and C of the Federal Communications Commission's rules.

The objective is to determine the compliance of the EUT with FCC rules, sec 15.203, 15.205, 15.207, 15.209 and 15.225.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: 2ABY6-RP457 FCC Part 15C DTS submissions with FCC ID: 2ABY6-RP457 FCC Part 15C DSS submissions with FCC ID: 2ABY6-RP457

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 06, 2015.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a test mode.

EUT Exercise Software

The software "FactoryTool V2.28" was used during test.

Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number	
DELL	Laptop	PP11L	QDS-BRCM1017	
KEYU	AC/DC Adapter	KA25-0501000US	N/A	

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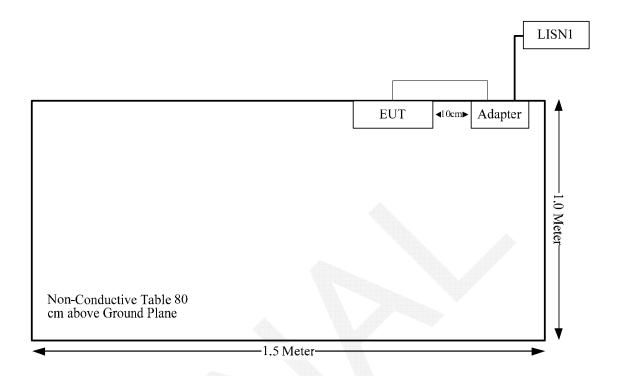
Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	То
USB Cable	no	no	0.56	USB Port of EUT	Laptop
USB Cable	no	no	0.56	USB Port of Adapter	EUT

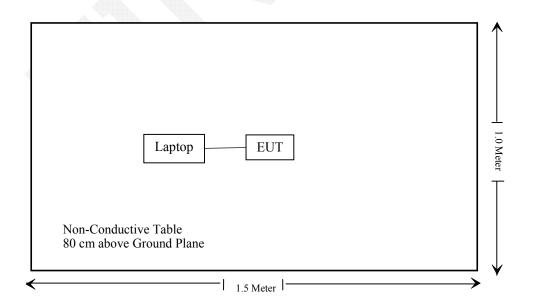
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Block Diagram of Test Setup

AC power-line conducted emissions:



Radiated Emissions:



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FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207	AC Line Conducted Emission Complian	
\$15.225 \$15.209 \$15.205	Radiated Emission Test	Compliance
§15.225(e)	Frequency Stability	Compliance
§15.215(c)	20 dB Emission Bandwidth	Compliance

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FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

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Antenna Connected Construction

The EUT has one integral antenna arrangement, which was permanently attached and fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance.



FCC §15.207 - AC LINE CONDUCTED EMISSION

Measurement Uncertainty

Compliance or non- compliance with a disturbance limit shall be determined in the following manner:

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If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

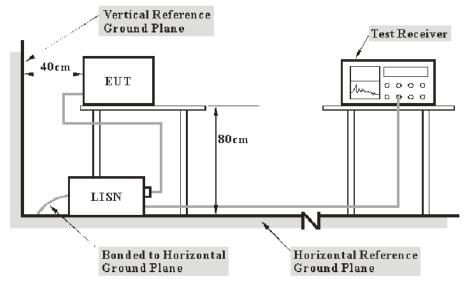
- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. If U_{lab} is greater than U_{cispr} of Table 1, then:
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} U_{cispr})$, exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level, increased by $(U_{\text{lab}} U_{\text{cispr}})$, exceeds the disturbance limit.

Based on CISPR 16-4-2-2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Dongguan) is 3.12 dB (150 kHz to 30 MHz).

Table 1 – Values of U_{cispr}

Measurement	$U_{ m cispr}$
Conducted disturbance at mains port using AMN (9 kHz to 150 kHz)	3.8 dB
(150 kHz to 30 MHz)	3.4 dB
Conducted disturbance at mains port using voltage probe (9 kHz to 30 MHz)	2.9 dB
Conducted disturbance at telecommunication port using AAN (150 kHz to 30 MHz)	5.0 dB
Conducted disturbance at telecommunication port using CVP (150 kHz to 30 MHz)	3.9 dB
Conducted disturbance at telecommunication port using CP (150 kHz to 30 MHz)	2.9 dB

EUT Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

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The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207.

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The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W	
150 kHz – 30 MHz	9 kHz	

Test Equipment List and Details

Manufacturer	Manufacturer Description		Serial Number	Calibration Date	Calibration Due Date		
R&S	EMI Test Receiver	ESCS 30	830245/006	2015-12-10	2016-12-09		
R&S	L.I.S.N	ESH2-Z5	892107/021	2015-06-09	2016-06-09		
R&S	Two-line V-network	ENV 216	3560.6550.12	2015-11-26	2016-11-25		
N/A	Coaxial Cable	1.8m	N/A	2015-05-06	2016-05-06		
BACL	Test Software	EMC32	Version8.53.0	N/A	N/A		

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

According FCC publication number 174176, for a device with a permanent antenna operating at or below 30 MHz, the measurements done with a suitable dummy load, in lieu of the permanent antenna under the following conditions: (1) perform the AC line conducted tests with the permanent antenna to determine compliance with the Section 15.207 limits outside the transmitter's fundamental emission band; (2) retest with a dummy load in lieu of the permanent antenna to determine compliance with the Section 15.207 limits within the transmitter's fundamental emission band.

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Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

Herein,

 V_{C} : corrected voltage amplitude V_{R} : reading voltage amplitude

A_c: attenuation caused by cable loss

VDF: voltage division factor of AMN or ISN

The "Margin" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

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Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

15.0 dB at 0.515791 MHz in the Line conducted mode

Test Data

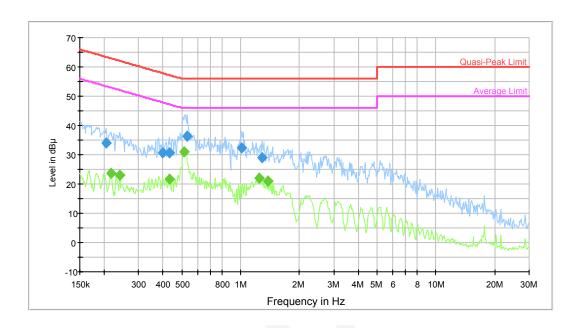
Environmental Conditions

	AND
Temperature:	23.9°C
Relative Humidity:	52 %
ATM Pressure:	100.4 kPa

The testing was performed by Allen Qiao on 2016-01-05.

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Test Mode: Transmitting AC 120V, 60 Hz, Line:

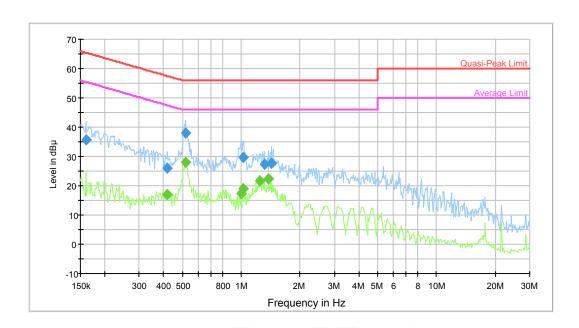


Frequency (MHz)	Quasi Peak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.204669	34.1	9.000	L1	9.7	29.3	63.4	Compliance
0.399703	30.7	9.000	L1	9.8	27.2	57.9	Compliance
0.429420	30.8	9.000	L1	9.8	26.5	57.3	Compliance
0.532496	36.3	9.000	L1	9.8	19.7	56.0	Compliance
1.015358	32.2	9.000	L1	9.8	23.8	56.0	Compliance
1.289541	29.2	9.000	L1	9.8	26.8	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.216409	23.7	9.000	L1	9.7	29.3	53.0	Compliance
0.240029	23.0	9.000	L1	9.7	29.1	52.1	Compliance
0.429420	21.7	9.000	L1	9.8	25.6	47.3	Compliance
0.515791	31.0	9.000	L1	9.8	15.0	46.0	Compliance
1.239175	22.1	9.000	L1	9.8	23.9	46.0	Compliance
1.385415	20.8	9.000	L1	9.8	25.2	46.0	Compliance

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AC120 V, 60 Hz, Neutral:



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				Total Colonia P			
Frequency (MHz)	Quasi Peak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.159873	35.6	9.000	N	9.7	29.9	65.5	Compliance
0.419276	26.2	9.000	N	9.7	31.3	57.5	Compliance
0.519918	38.0	9.000	N	9.7	18.0	56.0	Compliance
1.023481	29.7	9.000	N	9.8	26.3	56.0	Compliance
1.310256	27.4	9.000	N	9.8	28.6	56.0	Compliance
1.430284	27.7	9.000	N	9.8	28.3	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.415949	17.0	9.000	N	9.7	30.5	47.5	Compliance
0.519918	27.9	9.000	N	9.7	18.1	46.0	Compliance
0.999305	17.4	9.000	N	9.8	28.6	46.0	Compliance
1.023481	19.0	9.000	N	9.8	27.0	46.0	Compliance
1.239175	21.7	9.000	N	9.8	24.3	46.0	Compliance
1.385415	22.2	9.000	N	9.8	23.8	46.0	Compliance

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FCC§15.225, §15.205 & §15.209 - RADIATED EMISSIONS TEST

Applicable Standard

As per FCC Part 15.225

- (a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

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- (c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

Measurement Uncertainty

Compliance or non- compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. If U_{lab} is greater than U_{cispr} of Table 1, then:
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} U_{cispr})$, exceeds the disturbance limit:
- non compliance is deemed to occur if any measured disturbance level, increased by $(U_{\text{lab}} U_{\text{cispr}})$, exceeds the disturbance limit.

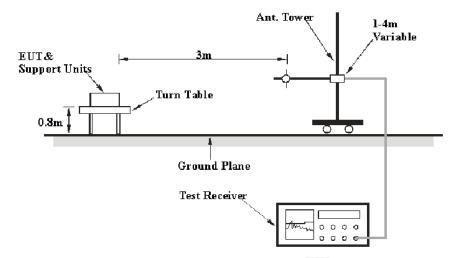
Based on CISPR 16-4-2: 2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is:30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical; 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical; 1G~6GHz: 4.45 dB, 6G~18GHz: 5.23 dB.

Table 1 – Values of
$$U_{\text{cispr}}$$

Measurement					
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB				
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB				
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB				

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EUT Setup



The radiated emission tests were performed in the 3-meter chamber a test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part Subpart C limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The system was investigated from 9 kHz to 1 GHz.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Detector
9 kHz – 150 kHz	300 Hz	1 kHz	QP
150 kHz – 30 MHz	10 kHz	30 kHz	QP
30 MHz – 1000 MHz	100 kHz	300 kHz	QP

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Meter Reading + Antenna Loss+ Cable Loss - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit - Corr. Ampl.

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Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	ЈВ3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
The Electro- Mechanics Company	Passive Loop Antenna	6512	9706-1206	2014-11-30	2017-11-29
N/A	Coaxial Cable	14m	N/A	2015-05-06	2016-05-06

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Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209&15.225 with the worst margin reading of:

12.54 dB at 40.67 MHz in the Horizontal polarization

Test Data

Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	100.8 kPa

^{*} The testing was performed by Allen Qiao on 2016-01-06.

Test mode: Transmitting

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^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

1) 9 kHz~30 MHz:

Enganonav	Re	ceiver	Rx Antenna	Cable	Amplifier	Corrected	Limit	Mangin
Frequency	Reading	Detector	Factor	loss	Gain	Amplitude	Limit	Margin
MHz	dΒμV	PK/QP/AV	dB(1/m)	dB	dB	dBμV/m	dBμV/m	dB
13.56	53.9	QP	32.08	0.35	21.44	64.89	124.00	59.11
13.553	43.1	QP	32.08	0.35	21.44	54.09	90.50	36.41
13.567	43.5	QP	32.08	0.35	21.44	54.49	90.50	36.01
13.121	35.7	QP	32.06	0.35	21.43	46.68	80.50	33.82
13.956	36.2	QP	32.10	0.35	21.44	47.21	80.50	33.29
5.37	35.2	QP	34.96	0.22	21.45	48.93	69.54	20.61
11.4	31.4	QP	32.09	0.34	21.42	42.41	69.54	27.13
16.6	32.8	QP	31.97	0.37	21.44	43.70	69.54	25.84

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2) 30 MHz ~1 GHz:

E	Re	ceiver	Rx Ar	itenna	Cable	Amplifier	Corrected	T ::4	Manain
Frequency	Reading	Detector	Polar	Factor	loss	s Gain	Amplitude	Limit	Margin
MHz	dΒμV	PK/QP/AV	H/V	dB(1/m)	dB	dB	dBμV/m	dBμV/m	dB
40.67	34.1	QP	Н	13.95	0.83	21.42	27.46	40.00	12.54
165.80	36.4	QP	Н	12.34	1.55	21.44	28.85	43.50	14.65
269.59	35.6	QP	Н	13.67	1.99	21.50	29.76	46.00	16.24
324.88	34.2	QP	Н	14.61	2.16	21.58	29.39	46.00	16.61
352.04	35.1	QP	Н	15.28	2.26	21.65	30.99	46.00	15.01
380.17	33.8	QP	Н	15.77	2.35	21.72	30.20	46.00	15.80
512.70	34.1	QP	Н	18.08	2.77	22.05	32.90	46.00	13.10
40.67	33.5	QP	V	13.95	0.83	21.42	26.86	40.00	13.14
165.80	32.3	QP	V	12.34	1.55	21.44	24.75	43.00	18.25
324.88	29.8	QP	V	14.61	2.16	21.58	24.99	46.00	21.01
406.36	30.1	QP	V	16.38	2.45	21.79	27.14	46.00	18.86
488.81	29.9	QP	V	18.09	2.69	21.99	28.69	46.00	17.31
520.15	29.7	QP	V	18.16	2.79	22.07	28.58	46.00	17.42
542.16	27.9	QP	V	18.53	2.80	22.13	27.10	46.00	18.90

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FCC§15.225(e) - FREQUENCY STABILITY

Applicable Standard

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

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Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and loop antenna was connected to a Spectrum Analyzer. The EUT was placed inside the temperature chamber.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the Spectrum Analyzer.

Frequency Stability vs. Voltage: An external variable DC power supply Source. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the end point. The output frequency was recorded for each voltage.

Test Equipment List and Details

		10000		~	
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Dongzhixu	High Temperature Test Chamber	DP1000	201105083-4	2015-09-10	2016-09-09
The Electro- Mechanics Company	Passive Loop Antenna	6512	9706-1206	2014-11-30	2017-11-29
N/A	Coaxial Cable	1.5m	N/A	2015-05-06	2016-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	22.3 °C
Relative Humidity:	52 %
ATM Pressure:	100 kPa

^{*} The testing was performed by Allen Qiao on 2016-01-07.

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Test Mode: Transmitting

Test Result: Compliant

$f_o = 13.56 \text{ MHz}$						
Temperature	Voltage	Measured frequency	Frequency Error	Limit		
	V _{DC}	MHz				
-30		13.560400	0.0029%	±0.01%		
-20		13.560280	0.0021%	±0.01%		
-10		13.560600	0.0044%	±0.01%		
0		13.560420	0.0031%	±0.01%		
10	3.7	13.560480	0.0035%	±0.01%		
20		13.560520	0.0038%	±0.01%		
30		13.560440	0.0032%	±0.01%		
40		13.560420	0.0031%	±0.01%		
50		13.560540	0.0040%	±0.01%		
25	3.3	13.560200	0.0015%	±0.01%		
25	4.3	13.560220	0.0016%	±0.01%		

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Applicable Standard

Per FCC §15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §15.217 through § 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

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Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- 3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02	
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01	
The Electro- Mechanics Company	Passive Loop Antenna	6512	9706-1206	2014-11-30	2017-11-29	
N/A	Coaxial Cable	14m	N/A	2015-05-06	2016-05-06	

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data Environmental Conditions

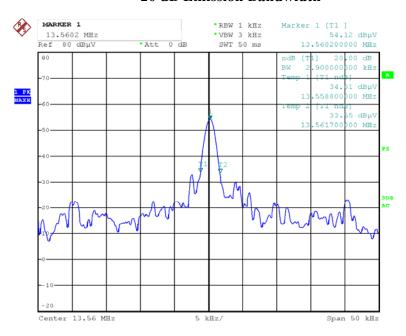
Temperature:	22.6 °C
Relative Humidity:	57 %
ATM Pressure:	100.2 kPa

The testing was performed by Allen Qiao on 2016-01-06.

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Test Mode: Transmitting

20 dB Emission Bandwidth



Date: 6.JAN.2016 14:31:38

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DECLARATION LETTER

ROAM Data Inc.

Product Similarity Declaration

Report No.: RXM160104051-00C

Date: 2016-1-19

To Whom It May Concern,

We, ROAM Data Inc., hereby declare that our product Mobile Payment Terminal, Series Model Number: RP456 are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics as model name: RP457 that was tested by BACL, the results of which are featured in BACL project.

A description of the differences between the tested model and those that are declared similar areas follows:

RP457 have the function of MFi, but RP456 do not have this function.

Please contact me if you have any question.

Signature:

Sriram Seetharam (Ingenico Mobile Solution)

Sriram Seetharam

Title: Devices Product manager

*****END OF REPORT****

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