

FCC PART 15D

MEASUREMENT AND TEST REPORT

For

Porta Phone Company Inc

145 Dean Knauss Dr. Narragansett, RI 02882, USA.

FCC ID: B4HHUB2015

| Report Type: | | Product Type: | | |
|-----------------------|--|---|---------------|--|
| Original Report | | DUPLEX WIREL | ESS | |
| | | SYSTEMS | | |
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Note: This test report is prepared for the customer shown above and for the equipment described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

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Bay Area Compliance Laboratories Corp. (Shenzhen)

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Porta Phone Company Inc*'s product, model number: *ComStar HUB(HUB2015) (FCC ID: B4HHUB2015)* or the "EUT" in this report was a *DUPLEX WIRELESS SYSTEMS*, the base unit was measured approximately: 14.3 mm (L) x 9.0 mm (W) x 5.2 mm (H), input voltage: DC 3.7V battery or DC 5.0V from adapter.

Adapter Information: Model: YNQX09G050100UL Input: AC 100-240V, 50/60 Hz, 0.3A Output: DC 5.0V, 1.0A

* All measurement and test data in this report was gathered from production sample serial number: 20150916 (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2015-09-16.

Objective

This test report was based on the Electromagnetic Interference (EMI) tests performed on the EUT. The EMI measurements were performed according to the measurement procedure described in ANSI C63.17 - 2013.

The tests were performed in order to determine the compliance of the EUT with FCC Part 15-Subpart D, section 15.207, 15.315, 15.317, 15.319 and 15.323 rules.

Related Submittal(s)/Grant(s)

No related submittal(s).

Test Methodology

All measurements contained in this report were conducted with ANSI C63.17 - 2013, American National Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen).

The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement uncertainty with radiated emission is 5.91 dB for 30MHz-1GHz.and 4.92 dB for above 1GHz, 1.95dB for conducted measurement.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication 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 October 31, 2013. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in TBR6 mode which is provided by the manufacturer.

Equipment Modifications

No modification was made to the EUT tested.

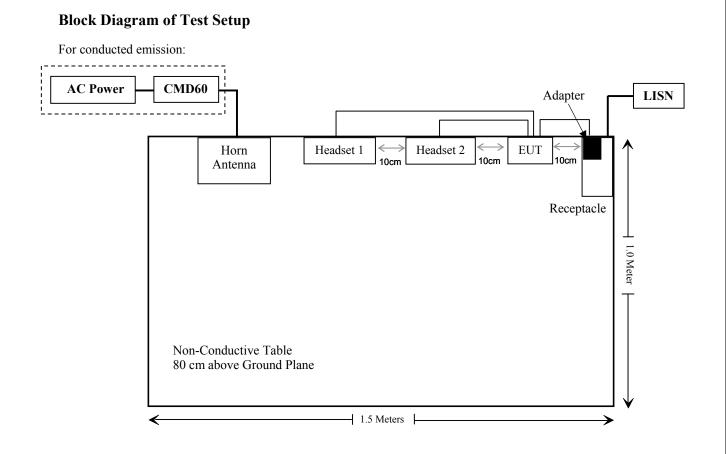
Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|------------------------------------|-------|---------------|
| R&S | Digital Radio-Communication Tester | CMD60 | 829902/026 |

External I/O Cable

| Cable Description | Length (m) | From/Port | То |
|---|------------|-----------|-----------|
| Un-shielding Un-detachable DC Power Cable | 1.55 | Adapter | EUT |
| Un-shielding un-detachable Audio cable | 0.9 | EUT | Handset 1 |
| Un-shielding un-detachable Audio cable | 0.9 | EUT | Handset 2 |

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SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|---------------------------------|--|-------------|
| §1.1307(b);§2.1093 | RF Exposure | Compliance |
| § 15.317, § 15.203 | Antenna Requirement | Compliance |
| § 15.315, § 15.207 | Conducted Emission | Compliance |
| § 15.323 (a) | Emission Bandwidth | Compliance* |
| § 15.319 (c) | Peak Transmit Power | Compliance* |
| § 15.319 (d) | Power Spectral Density | Compliance* |
| § 15.323 (d) | Emission Inside and Outside the sub-band | Compliance* |
| § 15.319 (g) | Radiated Emission | Compliance |
| § 15.323 (f) | Frequency Stability Handset | Compliance* |
| § 15.323 (c)(e) § 15.319 (f) | Specific Requirements for UPCS | Compliance* |

Compliance*: the EUT (Model: ComStar HUB(HUB2015), FCC ID: B4HHUB2015) has used a certified module with model RF1G9V1 (FCC ID: B4HRF1900V1), the different test data between them are "FCC§15.315 & §15.207 - CONDUCTED EMISSIONS" and "FCC§15.319 (g) - RADIATED EMISSIONS", so all the other test data are referred to the report RSZ151110830-00 with model number RF1G9V1 (FCC ID: B4HRF1900V1), issued on 2015-11-26 by Bay Area Compliance Laboratories Corp. (Shenzhen)

§1.1307 (b) (1) &§2.1093 – RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance

1. For Standalone SAR test exclusion considerations:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

 $[\sqrt[n]{f_{(GHz)}}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

1. $\hat{f}_{(GHz)}$ is the RF channel transmit frequency in GHz.

2. Power and distance are rounded to the nearest mW and mm before calculation.

3. The result is rounded to one decimal place for comparison.

4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

Evaluation data:

The maximum tune-up conducted peak output power is 20 dBm(100 mW) @1928.448 MHz

And

Duty Cycle = Ton/Tp*100% = 4.10%

Which, Ton = 412 μ s, Tp= 10.05 ms, please refer to the report RSZ151110830-00 with model number RF1G9V1 (FCC ID: B4HRF1900V1) page 44 and 45 for plot detail

So,the maximum conducted source-based, time-averaged output power is: 100*4.10%mW=4.10 mW@1928.448 MHz

(4.10/5)* \(\sqrt{1.928448=1.14<3.0)}

Result: No SAR test is required for Standalone SAR

2. Simultaneous transmission SAR test exclusion considerations

When an antenna qualifies for the standalone SAR test exclusion of 4.3.1 and also transmits simultaneously with other antennas, the standalone SAR value must be estimated according to the following to determine the simultaneous transmission SAR test exclusion criteria:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]·[$\sqrt{f_{(GHz)}/x}$] W/kg, for test separation distances ≤ 50 mm; where x = 7.5 for 1-g SAR and x = 18.75 for 10-g SAR.

Estimated SAR (1-g SAR) per chain: (4.10/5)* ($\sqrt{1.928448}/7.5$)=0.152 W/kg

Summation SAR=0.152*2=0.304 <1.6 W/kg

Result: No SAR test is required for Simultaneous transmission SAR

FCC§15.317 & §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, 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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has four integral antennas arrangement, which was permanently attached and the gain is 0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant.

FCC§15.315 & §15.207 - CONDUCTED EMISSIONS

Applicable Standard

FCC§15.315, an unlicensed PCS device that is designed to be connected to the public utility (AC) power line must meet the limits specified in §15.207.

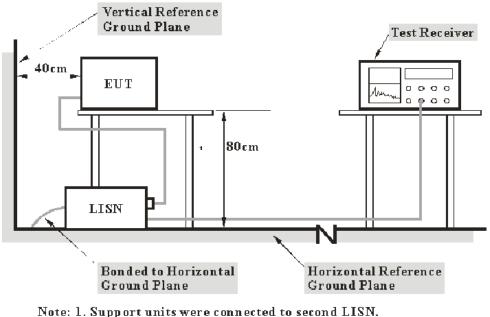
Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between AMN/ISN and receiver, AMN/ISN voltage division factor, AMN/ISN VDF frequency interpolation and receiver related input quantities, etc.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of conducted disturbance test at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown as below. And the uncertainty will not be taken into consideration for the test data recorded in the report

| Port | Measurement uncertainty |
|----------|--|
| AC Mains | 3.26 dB (k=2, 95% level of confidence) |
| CAT 3 | 3.70 dB (k=2, 95% level of confidence) |
| CAT 5 | 3.86 dB (k=2, 95% level of confidence) |
| CAT 6 | 4.64 dB (k=2, 95% level of confidence) |

EUT Setup



Support units were connected to second LISM.
 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 C63.4-2014 measurement procedure. The specification used was with the FCC 15.315 and FCC 15.207 limits.

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 Procedure

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

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

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

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-------------------|--------|----------------------------|---------------------|-------------------------|
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 100176 | 2015-06-03 | 2016-06-03 |
| Rohde & Schwarz | LISN | ENV216 | 3560.6650.12- 101613-Yb | 2015-12-01 | 2016-12-01 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2015-05-14 | 2016-05-14 |
| Rohde & Schwarz | CE Test software | EMC 32 | V8.53 | NCR | NCR |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements, traceable to National Primary Standards and International System of Units (SI).

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding the Outlet Cable Loss, LISN Insertion Loss, Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Correction Factor = Outlet Cable Loss + LISN Insertion Loss + Cable Loss + Transient Limiter Attenuation

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

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the worst margin reading as below:

13.4 dB at 0.459190 MHz in the Neutral conducted mode

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

$$L_{\rm m} + U_{(L{\rm m})} \leq L_{\rm lim} + U_{\rm cispr}$$

In BACL, $U_{(Lm)}$ is less than U_{cispr} , if L_{m} is less than L_{lim} , it implies that the EUT complies with the limit.

Test Data

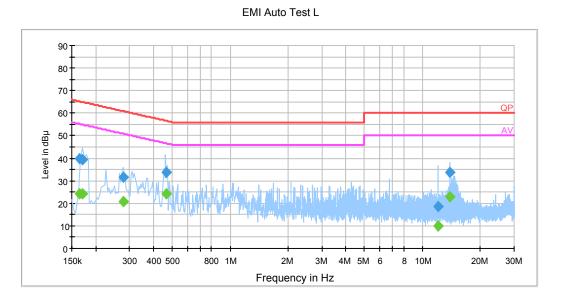
Environmental Conditions

| Temperature: | 24 °C |
|---------------------------|-----------|
| Relative Humidity: | 52 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Candy Li on 2015-12-04.

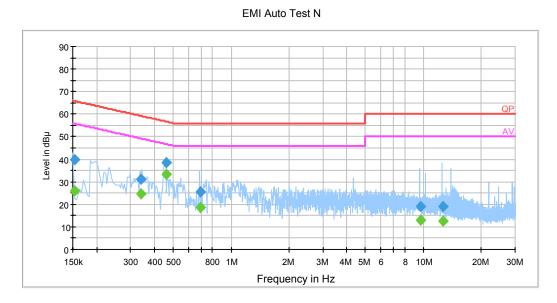
Test mode: Transmitting

AC 120V/60 Hz, Line



| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Detector (PK/QP/Ave) |
|--------------------|----------------------------------|-----------------------------|-----------------|----------------|-------------------------|
| 0.165500 | 39.9 | 20.0 | 65.2 | 25.3 | QP |
| 0.165500 | 24.3 | 20.0 | 55.2 | 30.9 | Ave. |
| 0.170501 | 39.4 | 20.0 | 64.9 | 25.5 | QP |
| 0.170501 | 24.3 | 20.0 | 54.9 | 30.6 | Ave. |
| 0.277500 | 31.4 | 19.9 | 60.9 | 29.5 | QP |
| 0.277500 | 20.9 | 19.9 | 50.9 | 30.0 | Ave. |
| 0.463070 | 33.9 | 19.9 | 56.6 | 22.7 | QP |
| 0.463070 | 24.4 | 19.9 | 46.6 | 22.2 | Ave. |
| 12.096350 | 18.7 | 20.1 | 60.0 | 41.3 | QP |
| 12.096350 | 10.1 | 20.1 | 50.0 | 39.9 | Ave. |
| 13.826610 | 33.9 | 20.1 | 60.0 | 26.1 | QP |
| 13.826610 | 23.0 | 20.1 | 50.0 | 27.0 | Ave. |

AC 120V/60 Hz, Neutral



| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Detector (PK/QP/Ave) |
|--------------------|----------------------------------|-----------------------------|-----------------|----------------|-------------------------|
| 0.154000 | 39.7 | 20.0 | 65.8 | 26.1 | QP |
| 0.154000 | 25.9 | 20.0 | 55.8 | 29.9 | Ave. |
| 0.340870 | 31.2 | 19.9 | 59.2 | 28.0 | QP |
| 0.340870 | 24.8 | 19.9 | 49.2 | 24.4 | Ave. |
| 0.459190 | 38.7 | 19.9 | 56.7 | 18.0 | QP |
| 0.459190 | 33.3 | 19.9 | 46.7 | 13.4 | Ave. |
| 0.695710 | 25.4 | 19.9 | 56.0 | 30.6 | QP |
| 0.695710 | 18.7 | 19.9 | 46.0 | 27.3 | Ave. |
| 9.705970 | 19.1 | 20.1 | 60.0 | 40.9 | QP |
| 9.705970 | 13.2 | 20.1 | 50.0 | 36.8 | Ave. |
| 12.614890 | 19.0 | 20.1 | 60.0 | 41.0 | QP |
| 12.614890 | 12.5 | 20.1 | 50.0 | 37.5 | Ave. |

Note:

1) Correction Factor =LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter Attenuation The corrected factor has been input into the transducer of the test software.

2) Corrected Amplitude = Reading + Correction Factor
3) Margin = Limit - Corrected Amplitude

FCC§15.319 (g) - RADIATED EMISSIONS

Applicable Standard

According to FCC§15.319(g), notwithstanding other technical requirements specified in this subpart, attenuation of emissions below the general emission limits in §15.209 is not required.

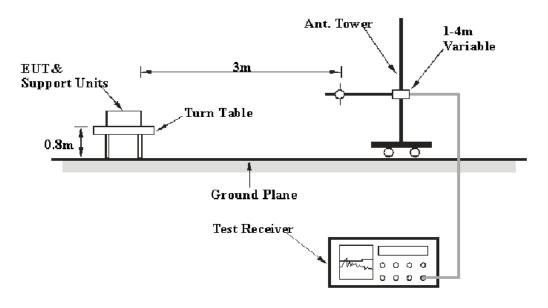
Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

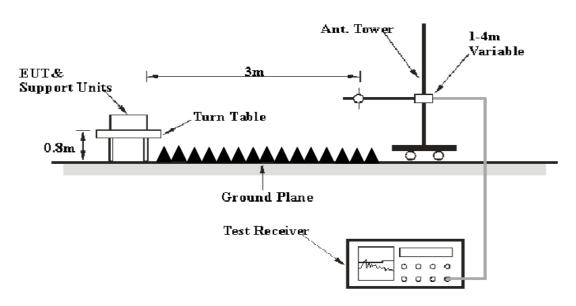
Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Shenzhen) is 5.91 dB for 30MHz-1GHz.and 4.92 dB for above 1GHz, and it will not be taken into consideration for the test data recorded in the report

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.4 - 2014. The specification used was the FCC 15 15.319(g).

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

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

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 20 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

| Frequency Range | RBW | Video B/W | IF B/W | Detector |
|-------------------|---------|-----------|---------|----------|
| 30 MHz – 1000 MHz | 100 kHz | 300 kHz | 120 kHz | QP |
| Above 1 GHz | 1 MHz | 3 MHz | / | РК |
| Above I GHZ | 1 MHz | 10 Hz | / | Ave. |

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz and peak and Average detection modes for frequencies above 1 GHz.

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date | |
|-------------------------------|------------------------|---------|----------------------------|---------------------|-------------------------|--|
| HP | Amplifier | HP8447E | 1937A01046 | 2015-05-06 | 2016-05-06 | |
| Rohde & Schwarz | EMI Test Receiver | ESCI | 101120 | 2015-11-12 | 2016-11-12 | |
| Sunol Sciences | Bi-log Antenna | JB1 | A040904-2 | 2014-12-07 | 2017-12-06 | |
| Mini | Mini Pre-amplifier | | 5969001149 | 2015-04-23 | 2016-04-23 | |
| Sunol Sciences | Horn Antenna | DRH-118 | A052304 | 2015-12-01 | 2016-11-30 | |
| Rohde & Schwarz | EMI Test Receiver | ESR | 1316.3003K03- 101746-zn | 2015-06-13 | 2016-06-13 | |
| the electro- Mechanics Co. | Horn Antenna | 3116 | 9510-2270 | 2013-10-14 | 2016-10-13 | |
| DUCOMMUN | DUCOMMUN Pre-amplifier | | 991373-01 | 2015-08-03 | 2016-08-03 | |

Test Equipment List and Details

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements, traceable to National Primary Standards and International System of Units (SI).

Corrected Amplitude & Margin Calculation

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

Corrected Amplitude = Meter Reading + Antenna Factor + 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 - Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the worst margin reading as below:

13.43 dB at 51.34 MHz in the Vertical polarization

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

 $L_{\rm m} + U_{(L{\rm m})} \leq L_{\rm lim} + U_{\rm cispr}$

In BACL, $U_{(Lm)}$ is less than U_{cispr} , if L_m is less than L_{lim} , it implies that the EUT complies with the limit.

Test Data

Environmental Conditions

| Temperature: | 24 °C | | |
|---------------------------|-----------|--|--|
| Relative Humidity: | 52 % | | |
| ATM Pressure: | 101.0 kPa | | |

*The testing was performed by Candy Li on 2015-12-04.

Test Result: Compliance. Please refer to following tables

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Test mode: Transmitting (Pre-scan with each of antenna for two chains, and the worst case was recorded as below)

30 MHz ~ 20 GHz:

| Frequency | Receiver | | Turntable | Rx Antenna | | | Corrected | FCC Part 15.319(g)/209/205 | | |
|-----------|-------------------------------|--|----------------|-----------------------|-------------------|----------------|-----------|-------------------------------|-------|--|
| (MHz) | Reading (dBµV) | eading Detector Degree Height Polar (dB) | Factor (dB) | Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) | | | | |
| | Low Channel (1921.536 MHz) | | | | | | | | | |
| 51.34 | 45.39 | QP | 121 | 1.9 | V | -19.56 | 25.83 | 40 | 14.17 | |
| 1921.54 | 107.99 | PK | 258 | 2.2 | Н | 3.23 | 111.22 | / | / | |
| 1921.54 | 107.41 | PK | 285 | 1.4 | V | 3.23 | 110.64 | / | / | |
| 3843.07 | 38.70 | РК | 164 | 1.2 | Н | 13.75 | 52.45 | 74 | 21.55 | |
| 3843.07 | 39.11 | РК | 244 | 1.7 | V | 13.75 | 52.86 | 74 | 21.14 | |
| 5764.61 | 34.65 | PK | 224 | 1.5 | Н | 19.23 | 53.88 | 74 | 20.12 | |
| 5764.61 | 35.89 | PK | 121 | 2.3 | V | 19.23 | 55.12 | 74 | 18.88 | |
| | Middle Channel (1924.992 MHz) | | | | | | | | | |
| 51.34 | 46.13 | QP | 135 | 2.2 | V | -19.56 | 26.57 | 40 | 13.43 | |
| 1924.99 | 103.94 | PK | 90 | 2.1 | Н | 3.23 | 107.17 | / | / | |
| 1924.99 | 101.33 | PK | 243 | 2.0 | V | 3.23 | 104.56 | / | / | |
| 3849.98 | 45.96 | PK | 331 | 1.3 | Н | 13.75 | 59.71 | 74 | 14.29 | |
| 3849.98 | 45.18 | PK | 175 | 1.7 | V | 13.75 | 58.93 | 74 | 15.07 | |
| 5774.98 | 35.68 | PK | 150 | 2.2 | Н | 19.23 | 54.91 | 74 | 19.09 | |
| 5774.98 | 36.19 | PK | 23 | 1.7 | V | 19.23 | 55.42 | 74 | 18.58 | |
| | High Channel (1928.448 MHz) | | | | | | | | | |
| 51.34 | 45.05 | QP | 176 | 1.8 | V | -19.56 | 25.49 | 40 | 14.51 | |
| 1928.45 | 105.55 | PK | 88 | 2.3 | Н | 3.23 | 108.78 | / | / | |
| 1928.45 | 103.10 | PK | 355 | 1.7 | V | 3.23 | 106.33 | / | / | |
| 3856.90 | 38.15 | PK | 169 | 2.3 | Н | 12.48 | 50.63 | 74 | 23.37 | |
| 3856.90 | 37.99 | PK | 69 | 2.2 | V | 12.48 | 50.47 | 74 | 23.53 | |
| 5785.35 | 34.46 | PK | 130 | 1.9 | Н | 19.23 | 53.69 | 74 | 20.31 | |
| 5785.35 | 35.82 | РК | 75 | 2.1 | V | 19.23 | 55.05 | 74 | 18.95 | |

Note:

Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor Corrected Amplitude = Corrected Factor + Reading Margin = Limit - Corrected. Amplitude

| Field Strength of Radiated Emission Average | | | | | | | | | |
|--|-------------------------------|----------------|--------------------|-----------------------|-------------------------------|----------------|--|--|--|
| Frequency (MHz) | Corrected Peak | Rx Antenna | Duty Cycle Factor | Corrected Average | FCC Part 15.319(g)/209/205 | | | | |
| | Amplitude (dBµV/m) | Polar (H/V) | (dB) | Amplitude (dBµV/m) | | Margin (dB) | | | |
| | | Low Chan | nel (1921.536 MHz) | | | | | | |
| 1921.54 | 111.22 | Н | -27.75 | 83.47 | / | / | | | |
| 1921.54 | 110.64 | V | -27.75 | 82.89 | / | / | | | |
| 3843.07 | 52.45 | Н | -27.75 | 24.70 | 54 | 29.30 | | | |
| 3843.07 | 52.86 | V | -27.75 | 25.11 | 54 | 28.89 | | | |
| 5764.61 | 53.88 | Н | -27.75 | 26.13 | 54 | 27.87 | | | |
| 5764.61 | 55.12 | V | -27.75 | 27.37 | 54 | 26.63 | | | |
| | Middle Channel (1924.992 MHz) | | | | | | | | |
| 1924.99 | 107.17 | Н | -27.75 | 79.42 | / | / | | | |
| 1924.99 | 104.56 | V | -27.75 | 76.81 | / | / | | | |
| 3849.98 | 59.71 | Н | -27.75 | 31.96 | 54 | 22.04 | | | |
| 3849.98 | 58.93 | V | -27.75 | 31.18 | 54 | 22.82 | | | |
| 5774.98 | 54.91 | Н | -27.75 | 27.16 | 54 | 26.84 | | | |
| 5774.98 | 55.42 | V | -27.75 | 27.67 | 54 | 26.33 | | | |
| | High Channel (1928.448 MHz) | | | | | | | | |
| 1928.45 | 108.78 | Н | -27.75 | 81.03 | / | / | | | |
| 1928.45 | 106.33 | V | -27.75 | 78.58 | / | / | | | |
| 3856.90 | 50.63 | Н | -27.75 | 22.88 | 54 | 31.12 | | | |
| 3856.90 | 50.47 | V | -27.75 | 22.72 | 54 | 31.28 | | | |
| 5785.35 | 53.69 | Н | -27.75 | 25.94 | 54 | 28.06 | | | |
| 5785.35 | 55.05 | V | -27.75 | 27.30 | 54 | 26.70 | | | |

Note:

Corrected Average Amplitude = Corrected Peak Amplitude + Duty Cycle Factor Margin = Limit - Corrected Average Amplitude Duty Cycle = Ton/Tp*100%, Ton = 412µs, Tp= 10.05 Duty Cycle Factor = 20lg (Duty Cycle) = -27.75

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