

FCC PART 27  
MEASUREMENT AND TEST REPORT

For

**Sky Phone LLC**

1348 Washington Av. Suite 350, Miami Beach

**FCC ID: 2ABOSGC181469**

|                                        |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report | <b>Product Type:</b><br>Mobile Phone                                                                                                                                                                                                                                                        |
| <b>Test Engineer:</b> Haiguo Li        | <i>haiguo li</i>                                                                                                                                                                                                                                                                            |
| <b>Report Number:</b> RSZ140213002-00E |                                                                                                                                                                                                                                                                                             |
| <b>Report Date:</b> 2014-02-28         |                                                                                                                                                                                                                                                                                             |
| <b>Reviewed By:</b> RF Engineer        | <i>Jimmy xiao</i>                                                                                                                                                                                                                                                                           |
| <b>Prepared By:</b>                    | Bay Area Compliance Laboratories Corp. (Shenzhen)<br>6/F, the 3rd Phase of WanLi Industrial Building<br>ShiHua Road, FuTian Free Trade Zone<br>Shenzhen, Guangdong, China<br>Tel: +86-755-33320018<br>Fax: +86-755-33320008<br><a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a> |

**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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## GENERAL INFORMATION

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### Product Description for Equipment under Test (EUT)

The *Sky Phone LLC*'s product, model number: *SKY 4.0 (FCC ID:2ABOSGC181469)* or the "EUT" as referred to in this report is a *Mobile Phone*, which measures approximately: 12.48 cm (L) x 6.35 cm (W) x 1.07 cm (H), rated with input voltage: DC 3.7 V rechargeable Li-ion battery.

*\*All measurement and test data in this report was gathered from production sample serial number: 1401146 (Assigned by applicant). The EUT supplied by applicant was received on 2014-02-13.*

### Objective

This type approval report is prepared on behalf of *Sky Phone LLC* in accordance with Part 2, Part 27 of the Federal Communication Commissions rules.

The objective is to determine the compliance of EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability, and band edge.

### Related Submittal(s)/Grant(s)

FCC Part 15.247 DSS, Part 15.247 DTS and Part 15B JBP and Part 22H&24E PCE submissions with FCC ID: 2ABOSGC181469.

### Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Part 27 – Miscellaneous wireless communications services

Applicable Standards: TIA-1037, TIA/EIA 603-D.

All radiated and conducted emissions measurements were performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

## **Test Facility**

The test site used by Bay Area Compliance Laboratories Corp.(Shenzhen) to collect test data is located in 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 December 06, 2010. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

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

### Justification

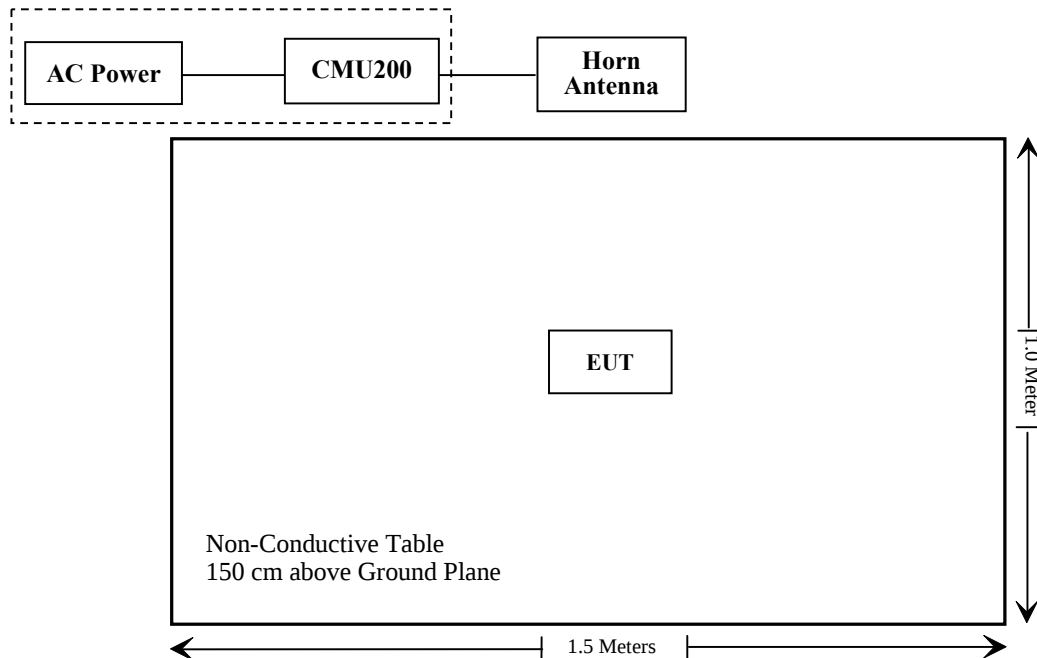
The EUT was configured for testing according to TIA/EIA-603-D.

The final qualification test was performed with the EUT operating at normal mode.

### Equipment Modifications

No modifications were made to the EUT.

### Block Diagram of Test Setup



**SUMMARY OF TEST RESULTS**

| FCC Rules                       | Description of Test                                                    | Result         |
|---------------------------------|------------------------------------------------------------------------|----------------|
| §1.1307(b); §27.52 ;<br>§2.1093 | RF Exposure (SAR)                                                      | Compliance*    |
| § 2.1046; § 27.50               | RF Output Power                                                        | Compliance     |
| § 2.1047                        | Modulation Characteristics                                             | Not Applicable |
| §2.1049; §27.53                 | Bandwidth                                                              | Compliance     |
| §2.1051; §27.53                 | Spurious Emissions at Antenna Terminal                                 | Compliance     |
| §2.1053; §27.53                 | Field Strength of Spurious Radiation                                   | Compliance     |
| §27.53                          | Out of band emission, Band Edge                                        | Compliance     |
| §2.1055; §27.54                 | Frequency stability vs. temperature<br>Frequency stability vs. voltage | Compliance     |

Note: \* Please refer to SAR report released by BACL, report number: RSZ140213002-20.

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## **FCC §1.1307(b) & §27.52 & §2.1093 - RF EXPOSURE INFORMATION**

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### **Applicable Standard**

FCC§1.1307 and §2.1093.

### **Test Result**

Compliance, please refer to the SAR report: RSZ140213002-20.

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## **FCC §2.1047 - MODULATION CHARACTERISTIC**

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According to FCC § 2.1047(d), Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

## FCC § 2.1046 & § 27.50 - RF OUTPUT POWER

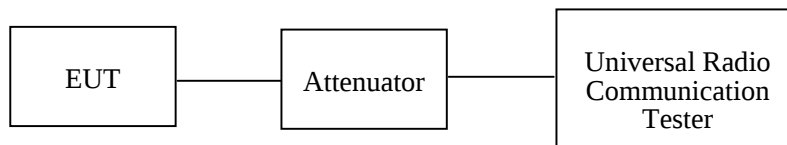
### Applicable Standards

According to §27.50, the maximum EIRP must not exceed 1Watts (30 dBm).

### Test Procedure

*Conducted method:*

The RF output of the transmitter was connected to the wireless test set and the spectrum analyzer through sufficient attenuation.



*Radiated method:*

TIA603-D section 2.2.17

### Test Equipment List and Details

| Manufacturer    | Description                          | Model       | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|--------------------------------------|-------------|---------------|------------------|----------------------|
| Sunol Sciences  | Horn Antenna                         | DRH-118     | A052304       | 2011-12-01       | 2014-11-30           |
| Rohde & Schwarz | Signal Analyzer                      | FSIQ26      | 8386001028    | 2013-11-12       | 2014-11-12           |
| HP              | Signal Generator                     | 8341B       | 2624A00116    | 2013-05-09       | 2014-05-09           |
| A.H. System     | Horn Antenna                         | SAS-200/571 | 135           | 2012-02-11       | 2015-02-10           |
| Rohde & Schwarz | Universal Radio Communication Tester | CMU200      | 106891        | 2013-11-23       | 2014-11-23           |

\* **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).

### Test Data

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 19 °C     |
| Relative Humidity: | 53 %      |
| ATM Pressure:      | 101.0 kPa |

The testing was performed by Haiguo Li on 2014-02-15.

**Conducted Power:****Maximum Output Power**

| Mode            | Test Condition | Test Mode   | 3GPP Sub Test | Average Output Power (dBm) |                  |                |
|-----------------|----------------|-------------|---------------|----------------------------|------------------|----------------|
|                 |                |             |               | Low Frequency              | Middle Frequency | High Frequency |
| WCDMA (Band IV) | Normal         | RMC12.2k    |               | 22.12                      | 21.96            | 21.75          |
|                 |                | Rel 6 HSDPA | 1             | 20.87                      | 20.76            | 21.61          |
|                 |                |             | 2             | 20.80                      | 20.72            | 21.53          |
|                 |                |             | 3             | 20.98                      | 20.86            | 21.72          |
|                 |                |             | 4             | 20.82                      | 20.70            | 21.51          |
|                 |                | Rel 6 HSUPA | 1             | 20.95                      | 20.65            | 21.55          |
|                 |                |             | 2             | 20.83                      | 20.56            | 21.50          |
|                 |                |             | 3             | 21.01                      | 20.69            | 21.66          |
|                 |                |             | 4             | 20.90                      | 20.57            | 21.50          |
|                 |                |             | 5             | 21.07                      | 20.71            | 21.68          |

**Radiated Power:**

| Frequency<br>(MHz)     | Receiver<br>Reading<br>(dBμV) | Turn<br>table<br>Angle<br>Degree | Rx Antenna    |                | Substituted          |                       |                         | Absolute<br>Level<br>(dBm) | FCC Part 27    |
|------------------------|-------------------------------|----------------------------------|---------------|----------------|----------------------|-----------------------|-------------------------|----------------------------|----------------|
|                        |                               |                                  | Height<br>(m) | Polar<br>(H/V) | SG<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dB) |                            | Limit<br>(dBm) |
| WCDMA 1700 Low channel |                               |                                  |               |                |                      |                       |                         |                            |                |
| 1712.4                 | 81.47                         | 87                               | 2.2           | H              | 8.7                  | 0.97                  | 9.40                    | 17.13                      | 33             |
| 1712.4                 | 82.77                         | 45                               | 1.0           | V              | 10.5                 | 0.97                  | 9.40                    | 18.87                      | 33             |

## FCC §2.1049 & §27.53 - OCCUPIED BANDWIDTH

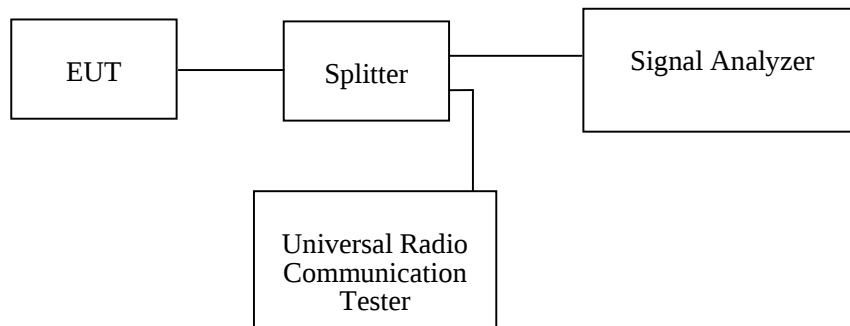
### Applicable Standards

FCC 47 §2.1049 and §27.53.

### Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set to appropriate bandwidth and the 26 dB & 99% bandwidth was recorded.



### Test Equipment List and Details

| Manufacturer    | Description     | Model  | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028    | 2013-11-12       | 2014-11-12           |

\* **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).

### Test Data

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 19~54 °C  |
| Relative Humidity: | 50~53 %   |
| ATM Pressure:      | 101.0 kPa |

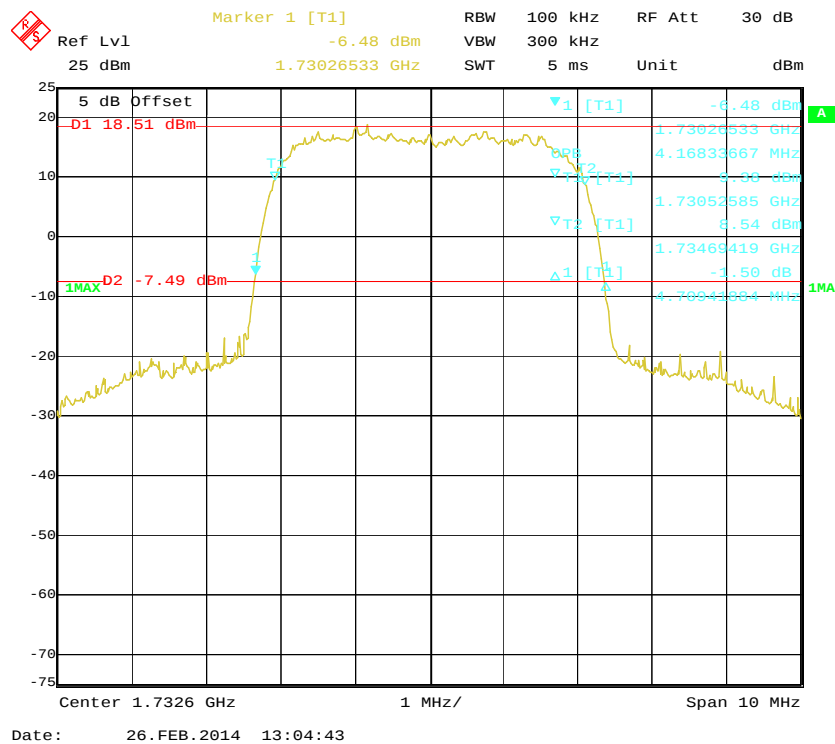
The testing was performed by Haiguo Li on 2014-02-20 to 2014-02-26.

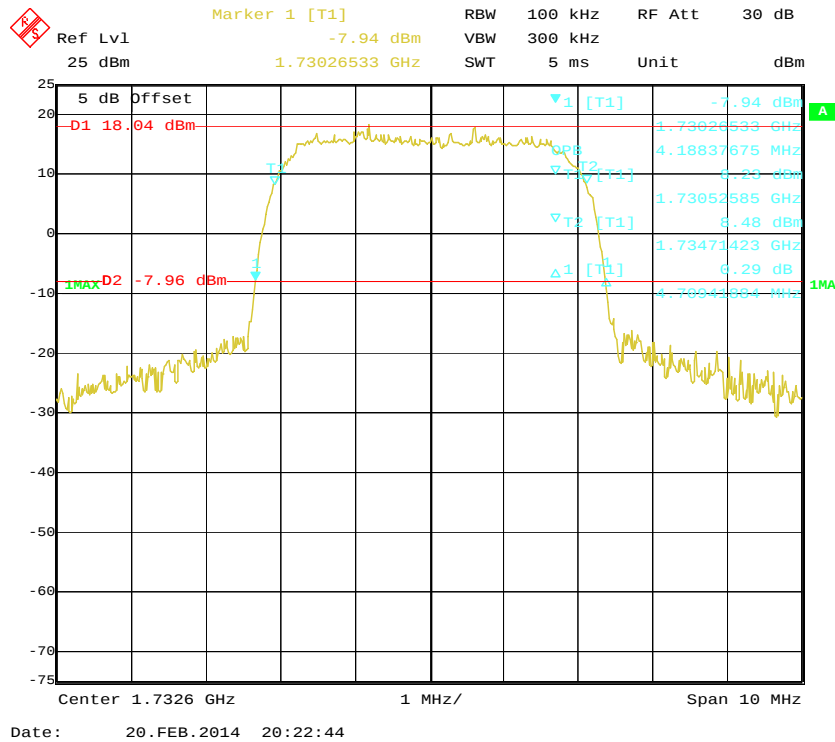
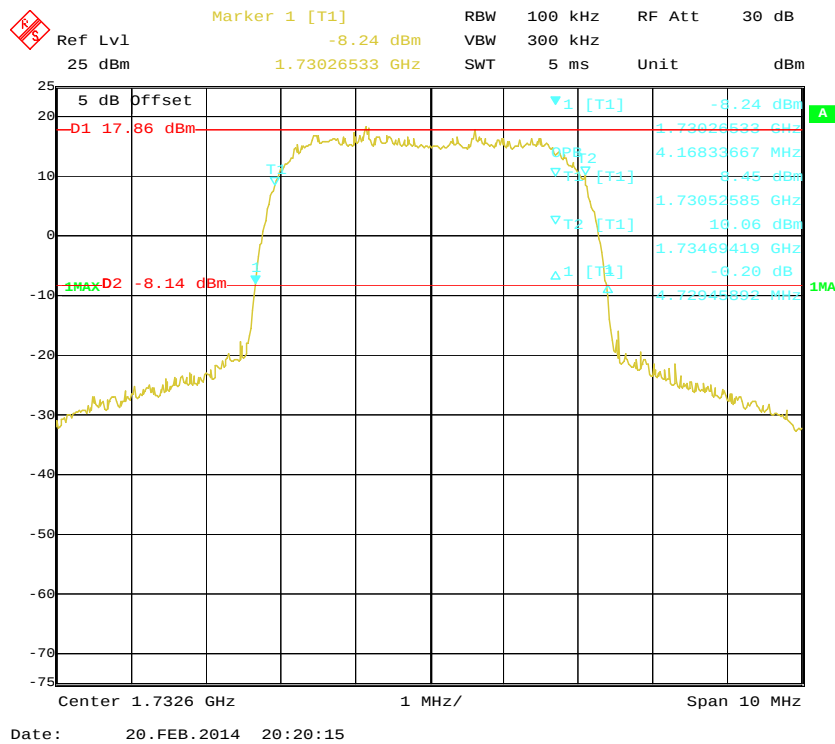
| Mode         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Emission Bandwidth (MHz) |
|--------------|-----------------|------------------------------|--------------------------------|
| WCDMA (BPSK) | 1732.6          | 4.168                        | 4.709                          |

| Mode         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Emission Bandwidth (MHz) |
|--------------|-----------------|------------------------------|--------------------------------|
| HSUPA (BPSK) | 1732.6          | 4.188                        | 4.709                          |

| Mode          | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Emission Bandwidth (MHz) |
|---------------|-----------------|------------------------------|--------------------------------|
| HSDPA (16QAM) | 1732.6          | 4.168                        | 4.729                          |

### 99% Occupied & 26 dB Emissions Bandwidth for WCDMA (BPSK) Mode



**99% Occupied & 26 dB Emissions Bandwidth for HSUPA (BPSK) Mode****99% Occupied & 26 dB Emissions Bandwidth for HSDPA (16QAM) Mode**

## FCC §2.1051 & §27.53- SPURIOUS EMISSIONS AT ANTENNA TERMINALS

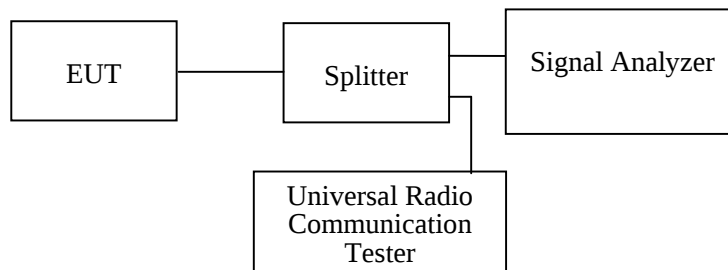
### Applicable Standards

FCC §2.1051 and §27.53.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

### Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set to appropriate bandwidth. Sufficient scans were taken to show any out of band emissions up to 10<sup>th</sup> harmonic.



### Test Equipment List and Details

| Manufacturer    | Description                          | Model  | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|--------------------------------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer                      | FSIQ26 | 8386001028    | 2013-11-12       | 2014-11-12           |
| Rohde & Schwarz | Universal Radio Communication Tester | CMU200 | 106891        | 2013-11-23       | 2014-11-23           |

\* **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).

### Test Data

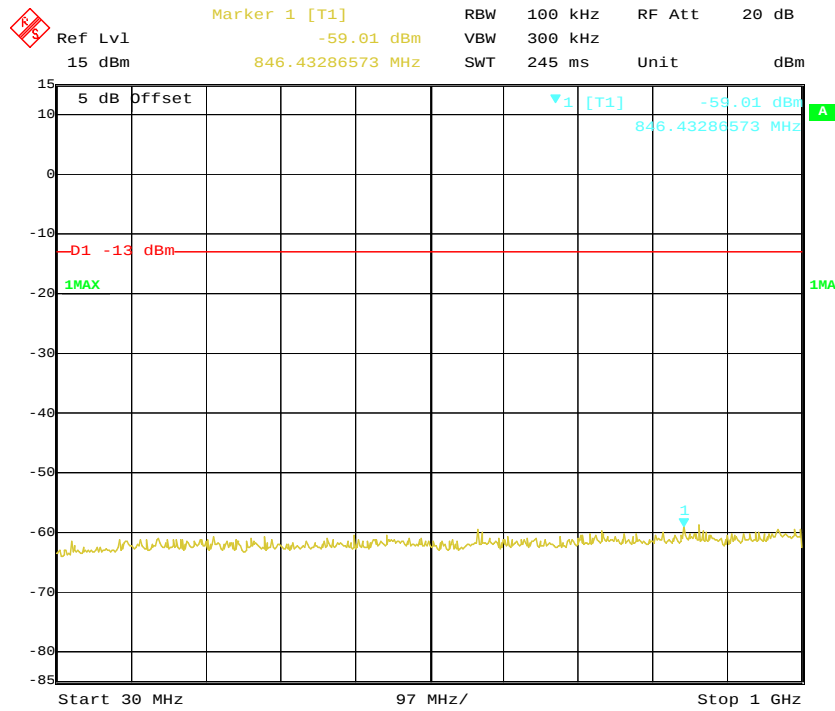
#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 21 °C     |
| Relative Humidity: | 53 %      |
| ATM Pressure:      | 101.0 kPa |

The testing was performed by Haiguo Li on 2014-02-26.

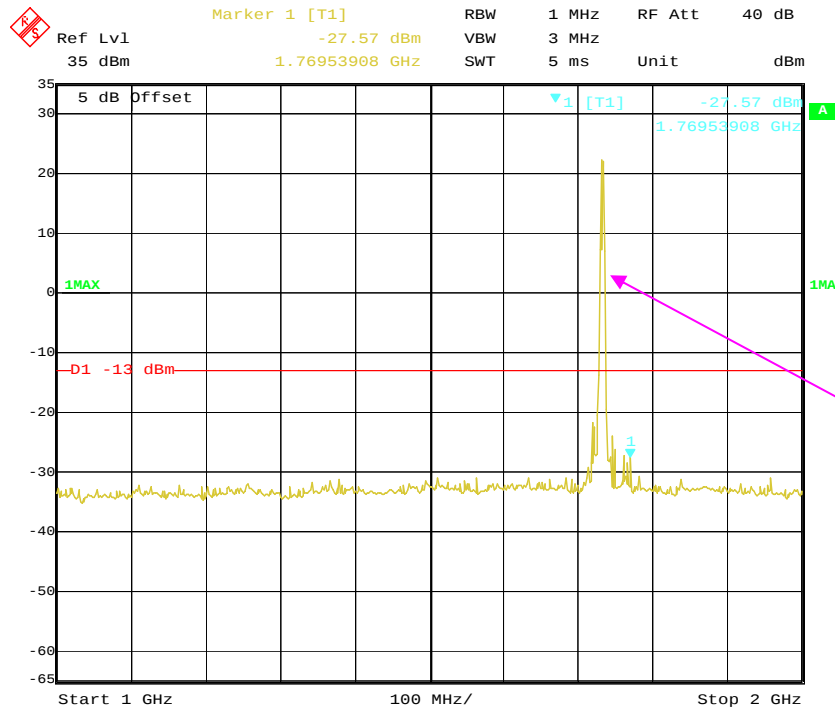
Please refer to the following plots.

### 30 MHz – 1 GHz (WCDMA Mode)



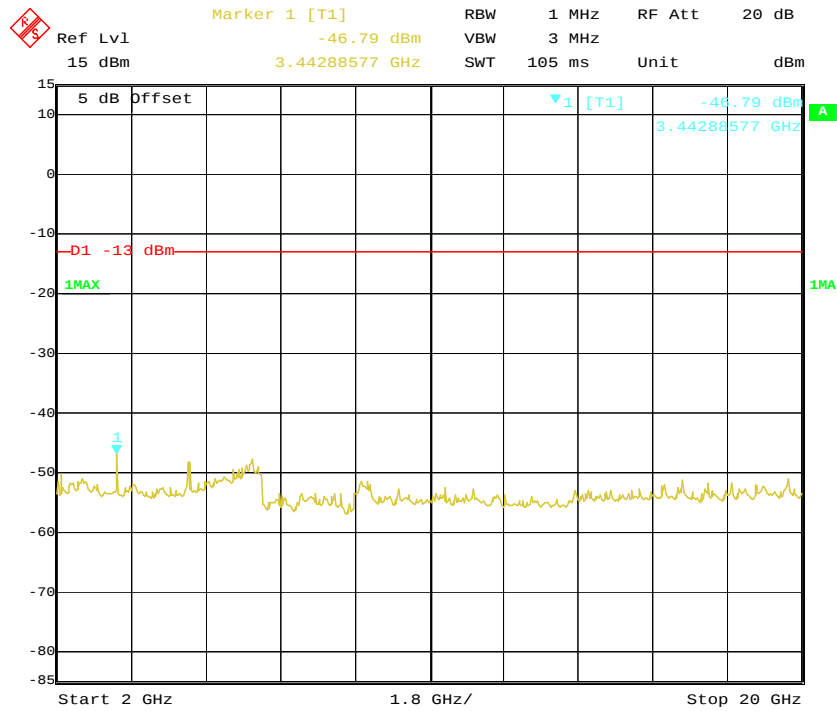
Date: 26.FEB.2014 12:59:09

### 1 GHz – 2 GHz (WCDMA Mode)



Date: 26.FEB.2014 13:00:07

### 2 GHz – 20 GHz (WCDMA Mode)



Date: 26.FEB.2014 13:00:41

## FCC §2.1053 & §27.53 - SPURIOUS RADIATED EMISSIONS

### Applicable Standards

FCC § 2.1053 and § 27.53.

### Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = 10 lg (TX pwr in Watts/0.001) – the absolute level

Spurious attenuation limit in dB = 43 + 10 Log<sub>10</sub> (power out in Watts)

### Test Equipment List and Details

| Manufacturer      | Description                          | Model       | Serial Number | Calibration Date | Calibration Due Date |
|-------------------|--------------------------------------|-------------|---------------|------------------|----------------------|
| Sunol Sciences    | Horn Antenna                         | DRH-118     | A052304       | 2011-12-01       | 2014-11-30           |
| Sunol Sciences    | Broadband Antenna                    | JB1         | A040904-2     | 2011-11-28       | 2014-11-27           |
| Rohde & Schwarz   | Signal Analyzer                      | FSIQ26      | 8386001028    | 2013-11-12       | 2014-11-12           |
| Rohde & Schwarz   | EMI Test Receiver                    | ESCI        | 101122        | 2013-09-17       | 2014-09-17           |
| Mini              | Pre-amplifier                        | ZVA-183-S+  | 5969001149    | 2013-04-03       | 2014-04-03           |
| HP                | Amplifier                            | 8447E       | 1937A01046    | 2013-09-30       | 2014-09-30           |
| HP                | Signal Generator                     | 8341B       | 2624A00116    | 2013-05-09       | 2014-05-09           |
| COM POWER         | Dipole Antenna                       | AD-100      | 041000        | NCR              | NCR                  |
| A.H. System       | Horn Antenna                         | SAS-200/571 | 135           | 2012-02-11       | 2015-02-10           |
| Electro-Mechanics | Horn Antenna                         | 3116        | 9510-2270     | 2013-10-14       | 2016-10-13           |
| Rohde & Schwarz   | Universal Radio Communication Tester | CMU200      | 106891        | 2013-11-23       | 2014-11-23           |

\* **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).

**Test Data****Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 22 °C     |
| <b>Relative Humidity:</b> | 51 %      |
| <b>ATM Pressure:</b>      | 100.1 kPa |

The testing was performed by Haiguo Li on 2014-02-17.

Test mode: Transmitting

| Frequency<br>(MHz)      | Receiver<br>Reading<br>(dBμV) | Turntable<br>Angle<br>Degree | Rx Antenna    |                | Substituted          |                       |                         | Absolute<br>Level<br>(dBm) | FCC Part 27    |                |
|-------------------------|-------------------------------|------------------------------|---------------|----------------|----------------------|-----------------------|-------------------------|----------------------------|----------------|----------------|
|                         |                               |                              | Height<br>(m) | Polar<br>(H/V) | SG<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dB) |                            | Limit<br>(dBm) | Margin<br>(dB) |
| WCDMA Mode, Low Channel |                               |                              |               |                |                      |                       |                         |                            |                |                |
| 181.3                   | 26.86                         | 328                          | 1.7           | H              | -70.1                | 0.28                  | 0                       | -70.38                     | -13            | 57.38          |
| 181.3                   | 27.20                         | 268                          | 1.4           | V              | -69.8                | 0.28                  | 0                       | -70.08                     | -13            | 57.08          |
| 5137.2                  | 48.05                         | 26                           | 1.8           | H              | -45.6                | 2.22                  | 11.60                   | -36.22                     | -13            | 23.22          |
| 5137.2                  | 44.87                         | 2                            | 2.0           | V              | -47.1                | 2.22                  | 11.60                   | -37.72                     | -13            | 24.72          |

Note:

1) Absolute Level = SG Level - Cable loss + Antenna Gain

2) Margin = Limit- Absolute Level

## FCC §27.53 - BAND EDGES

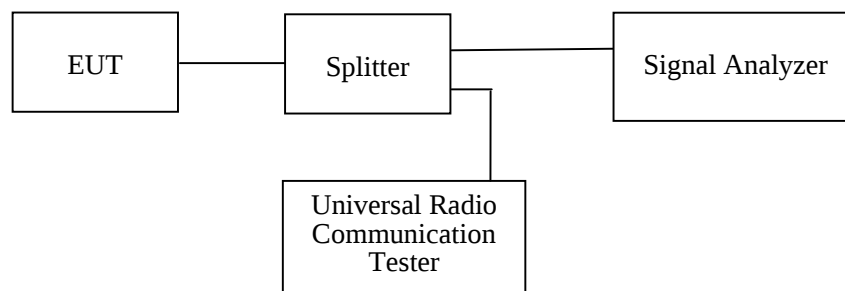
### Applicable Standards

According to FCC §27.53, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

### Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency



### Test Equipment List and Details

| Manufacturer    | Description                          | Model  | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|--------------------------------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer                      | FSIQ26 | 8386001028    | 2013-11-12       | 2014-11-12           |
| Rohde & Schwarz | Universal Radio Communication Tester | CMU200 | 106891        | 2013-11-23       | 2014-11-23           |

\* **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).

### Test Data

#### Environmental Conditions

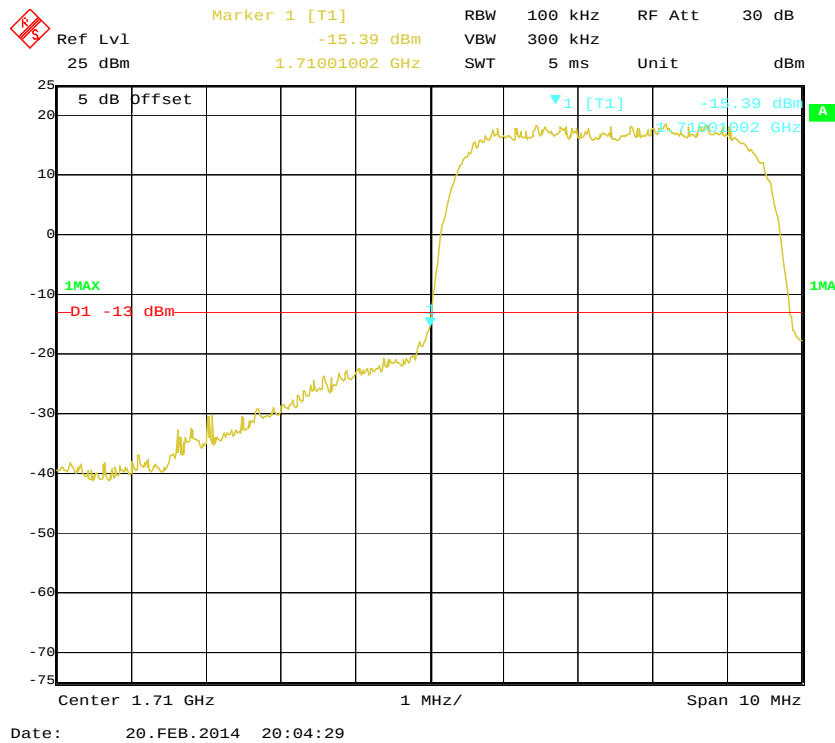
|                    |           |
|--------------------|-----------|
| Temperature:       | 19 °C     |
| Relative Humidity: | 52 %      |
| ATM Pressure:      | 101.0 kPa |

The testing was performed by Haiguo Li on 2014-02-20.

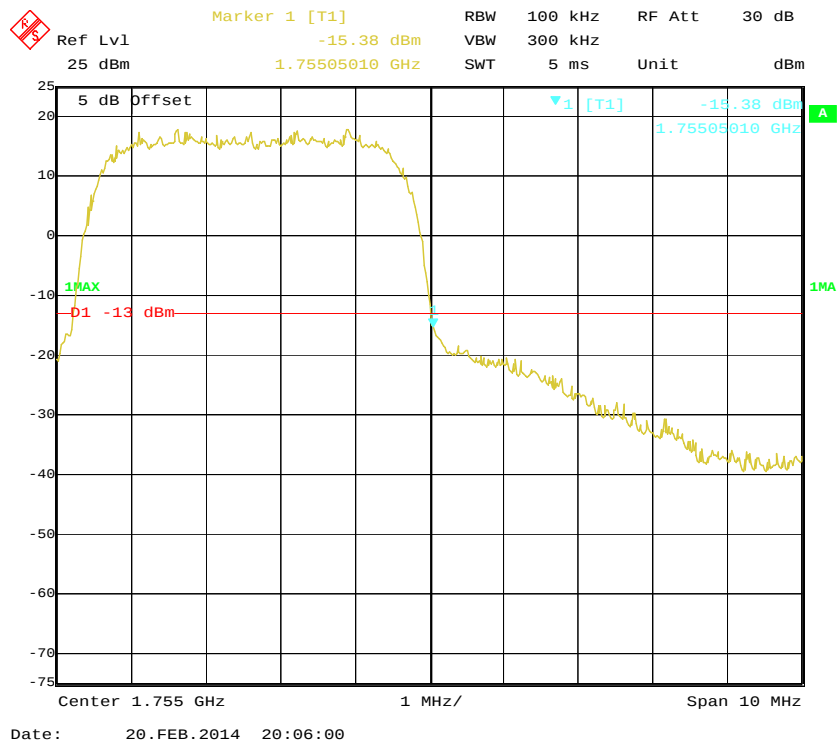
Test Result: Compliance. Please refer to the following tables and plots.

| Mode         | Band Edge  | Emission (dBm) | Limit (dBm) |
|--------------|------------|----------------|-------------|
| WCDMA (BPSK) | Left Band  | -15.39         | $\leq -13$  |
|              | Right Band | -15.38         | $\leq -13$  |

### Cellular Band, Left Band Edge for WCDMA (BPSK) Mode



### Cellular Band, Right Band Edge for WCDMA (BPSK) Mode



## FCC §2.1055 & §27.54 - FREQUENCY STABILITY

### Applicable Standards

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

### Test Procedure

The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from - 30 °C to + 50 °C using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from battery end point to 115 % of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

### Test Equipment List and Details

| Manufacturer    | Description                          | Model   | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|--------------------------------------|---------|---------------|------------------|----------------------|
| ESPEC           | Temperature & Humidity Chamber       | EL-10KA | 09107726      | 2013-11-01       | 2014-11-01           |
| Rohde & Schwarz | Universal Radio Communication Tester | CMU200  | 106891        | 2013-11-23       | 2014-11-23           |

\* **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).

### Test Data

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 22 °C     |
| Relative Humidity: | 51 %      |
| ATM Pressure:      | 100.1 kPa |

*The testing was performed by Haiguo Li on 2014-02-17.*

## WCDMA Mode

| Middle Channel, $f_0 = 1732.6$ MHz |                             |                      |                       |             |
|------------------------------------|-----------------------------|----------------------|-----------------------|-------------|
| Temperature (°C)                   | Power Supplied ( $V_{DC}$ ) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -30                                | 3.7                         | 10                   | 0.00577               | Pass        |
| -20                                |                             | 12                   | 0.00693               | Pass        |
| -10                                |                             | 12                   | 0.00693               | Pass        |
| 0                                  |                             | 9                    | 0.00519               | Pass        |
| 10                                 |                             | 7                    | 0.00404               | Pass        |
| 20                                 |                             | 12                   | 0.00693               | Pass        |
| 30                                 |                             | 8                    | 0.00462               | Pass        |
| 40                                 |                             | 12                   | 0.00693               | Pass        |
| 50                                 |                             | 15                   | 0.00866               | Pass        |
| 25                                 | $V_{min.} = 3.5$            | 13                   | 0.00750               | Pass        |
| 25                                 | $V_{max.} = 4.2$            | 15                   | 0.00866               | Pass        |

## HSDPA Mode

| Middle Channel, $f_0 = 1732.6$ MHz |                             |                      |                       |             |
|------------------------------------|-----------------------------|----------------------|-----------------------|-------------|
| Temperature (°C)                   | Power Supplied ( $V_{DC}$ ) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -30                                | 3.7                         | 12                   | 0.00693               | Pass        |
| -20                                |                             | 14                   | 0.00808               | Pass        |
| -10                                |                             | 12                   | 0.00693               | Pass        |
| 0                                  |                             | 16                   | 0.00923               | Pass        |
| 10                                 |                             | 7                    | 0.00404               | Pass        |
| 20                                 |                             | 13                   | 0.00750               | Pass        |
| 30                                 |                             | 9                    | 0.00519               | Pass        |
| 40                                 |                             | 12                   | 0.00693               | Pass        |
| 50                                 |                             | 19                   | 0.01097               | Pass        |
| 25                                 | $V_{min.} = 3.5$            | 13                   | 0.00750               | Pass        |
| 25                                 | $V_{max.} = 4.2$            | 18                   | 0.01039               | Pass        |

## HSUPA Mode

| Middle Channel, $f_0 = 1732.6$ MHz |                                   |                      |                       |             |
|------------------------------------|-----------------------------------|----------------------|-----------------------|-------------|
| Temperature (°C)                   | Power Supplied (V <sub>DC</sub> ) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -30                                | 3.7                               | 15                   | 0.00866               | Pass        |
| -20                                |                                   | 14                   | 0.00808               | Pass        |
| -10                                |                                   | 12                   | 0.00693               | Pass        |
| 0                                  |                                   | 10                   | 0.00577               | Pass        |
| 10                                 |                                   | 17                   | 0.00981               | Pass        |
| 20                                 |                                   | 16                   | 0.00923               | Pass        |
| 30                                 |                                   | 9                    | 0.00519               | Pass        |
| 40                                 |                                   | 12                   | 0.00693               | Pass        |
| 50                                 |                                   | 10                   | 0.00577               | Pass        |
| 25                                 | V <sub>min.</sub> = 3.5           | 13                   | 0.00750               | Pass        |
| 25                                 | V <sub>max.</sub> = 4.2           | 13                   | 0.00750               | Pass        |

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