

TEST REPORT

Report Number: HK11090443-1

Application
for
Original Grant of 47 CFR Part 15 Certification

7" Touch Screen IP Phone

FCC ID: MZVIP-150

Prepared and Checked by:

Approved by:

Signed on File

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March 29, 2012

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GENERAL INFORMATION

| | |
|------------------------------------|---|
| Applicant Name: | Telefield Ltd. |
| Applicant Address: | Flat D, 2/F., Valiant Industrial Centre, 2-12 Au Pui Wan Street, Fo Tan, N.T., Hong Kong. |
| FCC Specification Standard: | FCC Part 15, October 1, 2010 Edition |
| FCC ID: | MZVIP-150 |
| FCC Model(s): | IP150XXX-X |
| Type of EUT: | Class B Personal Computers and Peripherals |
| Description of EUT: | 7" Touch Screen IP Phone |
| Serial Number: | N/A |
| Sample Receipt Date: | September 14, 2011 |
| Date of Test: | January 09 - February 14, 2012 |
| Report Date: | March 29, 2012 |
| Environmental Conditions: | Temperature: +10 to 40°C Humidity: 10 to 90% |

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**EXHIBIT 1
TEST RESULTS SUMMARY & STATEMENT OF COMPLIANCE**

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1.0 Test Results Summary & Statement of Compliance

1.1 Summary of Test Results

| Test Items | FCC Part 15 Section | Results | Details see section |
|---|----------------------------|----------------|------------------------------------|
| Radiated Emission from Class B Personal Computers and Peripherals | 15.109 | Pass | 4.2 |
| AC Power Line Conducted Emission | 15.107 | Pass | 4.3 |

1.2 Statement of Compliance

The equipment under test is found to be complying with the following standard:

FCC Part 15, October 1, 2010 Edition

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**EXHIBIT 2
GENERAL DESCRIPTION**

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2.0 General Description

2.1 Product Description

The TCIP150 is a 7" Touch Screen IP Phone. The EUT is powered by an adaptor 100-240VAC to 9VDC 1500mA.

The test sample is a prototype.

The Model(s): IP150XXX-X are the same as the Model: TCIP150 in electronics/electrical designs including software & firmware, PCB layout and construction design/physical design/enclosure. The only differences between these models are cosmetic details and model number to be sold for marketing purpose. Suffix ("XXX-X") represents 1st "X" or blank = Brand / Color; 2nd "X" or blank = Package Type; 3rd "X" or blank = Number of telephone sets; 4th "X" or blank = version of models. The Model(s): IP150XXX-X are assigned for FCC model, and the model: TCIP150 is assigned for IC model.

2.2 Test Methodology

Both AC power line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.4 (2003). Preliminary radiated scans and all radiated measurements were performed in Open Area Test Sites. All Radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application.

2.3 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data and conducted data are at Roof Top and 2nd Floor respectively of Intertek Testing Services Hong Kong Ltd., which is located at Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong. This test facility and site measurement data have been fully placed on file with the FCC.

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**EXHIBIT 3
SYSTEM TEST CONFIGURATION**

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3.0 System Test Configuration

3.1 Justification

For radiated emissions testing, the equipment under test (EUT) was setup to normal mode to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables (if any) were manipulated to produce worst case emissions.

The EUT was powered by a 100-240VAC to 9VDC 1500mA adaptor.

For the measurements, the EUT was attached to a plastic stand if necessary and placed on the wooden turntable. If the EUT attached to peripherals, they were connected and operational to simulate typical use.

The signal was maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization were varied during the search for maximum signal level. The antenna height was varied from 1 to 4 meters. Radiated emissions were taken at three meters unless the signal level was too low for measurement at that distance. If necessary, a pre-amplifier was used and/or the test was conducted at a closer distance.

For radiated measurement, the spectrum analyzer resolution bandwidth was 100 kHz for frequencies below 1000 MHz.

Radiated emission measurement was performed from the frequency 30MHz to 1GHz.

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3.1 Justification - Cont'd

Detector function for radiated emissions is in peak mode.

For AC line conducted emission test, the EUT along with its peripherals were placed on a 1.0m(W)x1.5m(L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT power cord connected to one LISN (Line impedance stabilization network), which provided 50ohm coupling impedance for measuring instrument. Meanwhile, the peripheral or support equipment power cords connected to a separate LISN. The ac power for all LISNs were obtained from the same power source. The LISN housing, measuring instrument case, reference ground plane, and vertical ground plane were bounded together. The excess power cable between the EUT and the LISN was bundled. Power cords of non-EUT equipment (peripherals) were not bundled. AC power cords of peripheral equipments draped over the rear edge of the table, and routed them down onto the floor of the ac powerline conducted emission test site to the second LISN.

All connecting cables of EUT and peripherals were manipulated to find the maximum emission.

All relevant operation modes have been tested, and the worst case data is included in this report.

3.2 EUT Exercising Software

There was no special software to exercise the device.

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3.3 Details of EUT and Description of Accessories

Details of EUT:

An AC adaptor (provided with the unit) was used to power the device. Their description are listed below.

- (1) An AC adaptor (100-240VAC to 9VDC 1500mA, Model: SFP0901500PU) (Supplied by Client)

Description of Peripherals:

- (1) Telephone Headset with 1.1m long (Supplied by Intertek)
- (2) Lenovo Notebook, Model: T61, S/N: L3-CF468, DoC Product (Supplied by Intertek)
- (3) Lenovo Notebook, Model: SL500, S/N: ML-DXMM3, DoC Product (Supplied by Intertek)
- (4) Smart-Drive External Hard Disk, Model: HD3-SU2FW, S/N: 0800261, DoC Product (Supplied by Intertek)
- (5) D-Link 10/100 Fast Ethernet Switch, Model: DES-1005D, S/N: DR9M158000068, DoC Product (Supplied by Intertek)
- (6) RCA Digital Router, Model: 25801, S/N: 10000002 (Supplied by Client)
- (7) 1 x CAT5 LAN cable with 1.5m long (Supplied by Client)
- (8) 2 x CAT5 LAN cable with 3m long (Supplied by Intertek)
- (9) 1 x USB cable with ferrite and 0.7m long (Supplied by Intertek)
- (10) 1 x 1394 cable with 0.8m long (Supplied by Intertek)

3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

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**EXHIBIT 4
TEST RESULTS**

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4.0 Test Results

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included.

4.1 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

$$FS = RA + AF + CF - AG + PD + AV$$

where

- FS = Field Strength in dB μ V/m
- RA = Receiver Amplitude (including preamplifier) in dB μ V
- CF = Cable Attenuation Factor in dB
- AF = Antenna Factor in dB
- AG = Amplifier Gain in dB
- PD = Pulse Desensitization in dB
- AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD + AV$$

Example

Assume a receiver reading of 62.0 dB μ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB, and the resultant average factor was -10 dB. The net field strength for comparison to the appropriate emission limit is 32 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

$$\begin{aligned} RA &= 62.0 \text{ dB}\mu\text{V} \\ AF &= 7.4 \text{ dB} \\ CF &= 1.6 \text{ dB} \\ AG &= 29 \text{ dB} \\ PD &= 0 \text{ dB} \\ AV &= -10 \text{ dB} \\ FS &= 62 + 7.4 + 1.6 - 29 + 0 + (-10) = 32 \text{ dB}\mu\text{V/m} \end{aligned}$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm} [(32 \text{ dB}\mu\text{V/m})/20] = 39.8 \mu\text{V/m}$$

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4.2 Radiated Emissions

4.2.1 Radiated Emission Configuration Photograph

Worst Case Radiated Emission
at
270.000 MHz

The worst case radiated emission configuration photographs are attached in the Appendix and saved with filename: config photos.pdf

4.2.2 Radiated Emission Data

The data in tables 1 list the significant emission frequencies, the limit and the margin of compliance.

Judgement -
Passed by 0.8 dB margin

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Mode: Speakerphone online with Data Transfer (Conference)

Table 1

Radiated Emission Data

| Polarization | Frequency (MHz) | Reading (dB μ V) | Pre-amp (dB) | Antenna Factor (dB) | Net at 3m (dB μ V/m) | Limit at 3m (dB μ V/m) | Margin (dB) |
|--------------|-----------------|----------------------|--------------|---------------------|--------------------------|----------------------------|-------------|
| V | 60.000 | 40.1 | 16 | 10.0 | 34.1 | 40.0 | -5.9 |
| V | 125.000 | 38.8 | 16 | 14.0 | 36.8 | 43.5 | -6.7 |
| V | 180.000 | 31.4 | 16 | 20.0 | 35.4 | 43.5 | -8.1 |
| V | 210.000 | 39.0 | 16 | 17.0 | 40.0 | 43.5 | -3.5 |
| V | 240.000 | 36.2 | 16 | 19.0 | 39.2 | 46.0 | -6.8 |
| V | 250.000 | 40.6 | 16 | 20.0 | 44.6 | 46.0 | -1.4 |
| V | 270.000 | 39.2 | 16 | 22.0 | 45.2 | 46.0 | -0.8 |
| V | 300.000 | 34.8 | 16 | 22.0 | 40.8 | 46.0 | -5.2 |
| V | 330.000 | 35.6 | 16 | 24.0 | 43.6 | 46.0 | -2.4 |
| V | 360.000 | 27.8 | 16 | 24.0 | 35.8 | 46.0 | -10.2 |
| V | 375.000 | 31.1 | 16 | 24.0 | 39.1 | 46.0 | -6.9 |
| H | 390.000 | 28.6 | 16 | 25.0 | 37.6 | 46.0 | -8.4 |
| H | 450.000 | 27.2 | 16 | 26.0 | 37.2 | 46.0 | -8.8 |
| H | 500.000 | 25.6 | 16 | 26.0 | 35.6 | 46.0 | -10.4 |
| H | 625.000 | 22.0 | 16 | 29.0 | 35.0 | 46.0 | -11.0 |

- NOTES: 1. Peak detector is used for the emission measurement.
2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.

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4.3 AC Power Line Conducted Emission

- Not applicable – EUT is only powered by battery for operation.
- EUT connects to AC power line. Emission Data is listed in following pages.
- Base Unit connects to AC power line and has transmission. Handset connects to AC power line but has no transmission. Emission Data of Base Unit is listed in following pages.

4.3.1 AC Power Line Conducted Emission Configuration Photograph

Worst Case Line-Conducted Configuration
at

0.5595 MHz

The worst case line conducted configuration photographs are attached in the Appendix and saved with filename: config photos.pdf

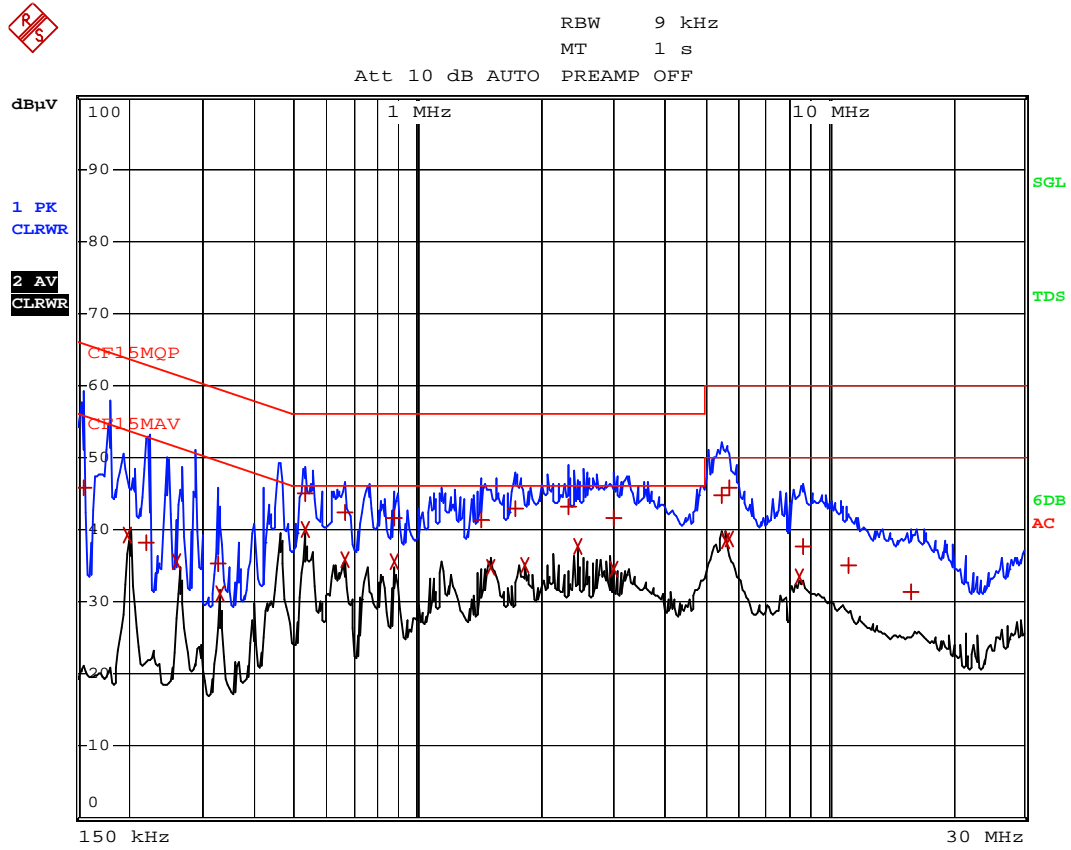
4.3.2 AC Power Line Conducted Emission Data

The plot(s) and data in the following pages list the significant emission frequencies, the limit and the margin of compliance

Passed by 5.5 dB margin compared with average limit

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Worst Case: Ringing with Data Transfer



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Worst Case: Ringing with Data Transfer

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL | | DELTA LIMIT |
|---|---------------|------------|-------|--------|-------------|
| 1 | Quasi Peak | 154.5 kHz | 45.74 | L1 gnd | -20.01 |
| 2 | CISPR Average | 199.5 kHz | 39.35 | L1 gnd | -14.27 |
| 1 | Quasi Peak | 222 kHz | 38.27 | L1 gnd | -24.47 |
| 2 | CISPR Average | 262.5 kHz | 35.52 | L1 gnd | -15.83 |
| 1 | Quasi Peak | 325.5 kHz | 35.26 | N gnd | -24.30 |
| 2 | CISPR Average | 330 kHz | 31.19 | L1 gnd | -18.26 |
| 2 | CISPR Average | 528 kHz | 39.95 | L1 gnd | -6.04 |
| 1 | Quasi Peak | 532.5 kHz | 45.00 | L1 gnd | -10.99 |
| 1 | Quasi Peak | 663 kHz | 42.38 | L1 gnd | -13.61 |
| 2 | CISPR Average | 663 kHz | 35.76 | L1 gnd | -10.23 |
| 1 | Quasi Peak | 879 kHz | 41.71 | L1 gnd | -14.28 |
| 2 | CISPR Average | 879 kHz | 35.67 | L1 gnd | -10.32 |
| 1 | Quasi Peak | 1.4325 MHz | 41.23 | L1 gnd | -14.76 |
| 2 | CISPR Average | 1.5 MHz | 34.88 | L1 gnd | -11.12 |
| 1 | Quasi Peak | 1.734 MHz | 42.88 | L1 gnd | -13.11 |
| 2 | CISPR Average | 1.8285 MHz | 34.92 | L1 gnd | -11.07 |
| 1 | Quasi Peak | 2.337 MHz | 43.12 | N gnd | -12.87 |
| 2 | CISPR Average | 2.4675 MHz | 37.57 | L1 gnd | -8.42 |
| 1 | Quasi Peak | 2.9985 MHz | 41.47 | L1 gnd | -14.52 |
| 2 | CISPR Average | 2.9985 MHz | 34.62 | L1 gnd | -11.37 |

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Worst Case: Ringing with Data Transfer

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

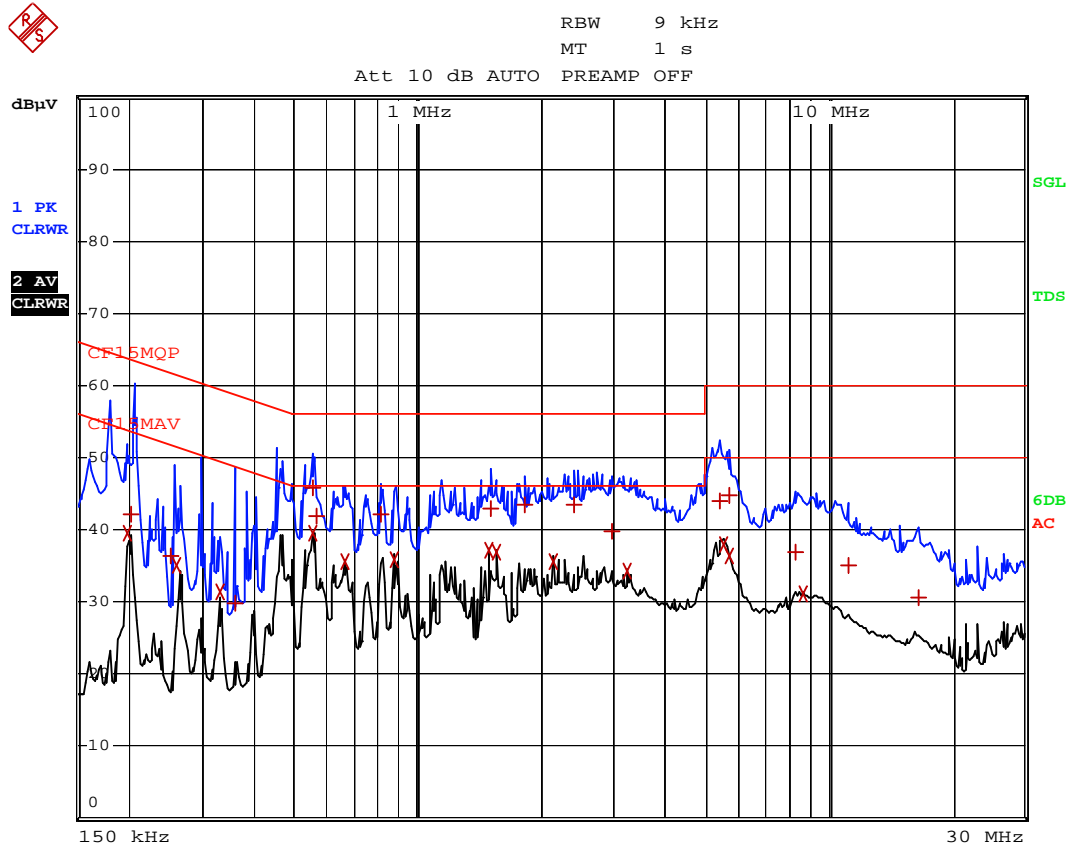
Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL dB μ V | | DELTA LIMIT dB |
|---|---------------|-------------|------------------|--------|----------------|
| 1 | Quasi Peak | 5.4915 MHz | 44.65 | L1 gnd | -15.34 |
| 2 | CISPR Average | 5.622 MHz | 38.56 | L1 gnd | -11.44 |
| 1 | Quasi Peak | 5.748 MHz | 45.74 | L1 gnd | -14.25 |
| 2 | CISPR Average | 5.7525 MHz | 38.69 | L1 gnd | -11.30 |
| 2 | CISPR Average | 8.484 MHz | 33.39 | L1 gnd | -16.60 |
| 1 | Quasi Peak | 8.673 MHz | 37.67 | L1 gnd | -22.32 |
| 1 | Quasi Peak | 11.139 MHz | 35.01 | N gnd | -24.98 |
| 1 | Quasi Peak | 15.8955 MHz | 31.45 | L1 gnd | -28.54 |

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Worst Case: Handset Online with Data Transfer (Conference)



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Worst Case: Handset Online with Data Transfer (Conference)

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL dB μ V | | DELTA LIMIT dB |
|---|---------------|------------|------------------|--------|----------------|
| 2 | CISPR Average | 199.5 kHz | 39.53 | L1 gnd | -14.09 |
| 1 | Quasi Peak | 204 kHz | 42.09 | L1 gnd | -21.34 |
| 1 | Quasi Peak | 253.5 kHz | 36.30 | N gnd | -25.33 |
| 2 | CISPR Average | 262.5 kHz | 35.14 | L1 gnd | -16.21 |
| 2 | CISPR Average | 330 kHz | 31.33 | L1 gnd | -18.11 |
| 1 | Quasi Peak | 357 kHz | 29.66 | N gnd | -29.13 |
| 1 | Quasi Peak | 555 kHz | 45.74 | L1 gnd | -10.25 |
| 2 | CISPR Average | 555 kHz | 39.47 | L1 gnd | -6.52 |
| 1 | Quasi Peak | 568.5 kHz | 41.85 | L1 gnd | -14.14 |
| 2 | CISPR Average | 663 kHz | 35.63 | L1 gnd | -10.36 |
| 1 | Quasi Peak | 811.5 kHz | 42.13 | N gnd | -13.86 |
| 2 | CISPR Average | 879 kHz | 35.94 | L1 gnd | -10.05 |
| 2 | CISPR Average | 1.4955 MHz | 37.25 | L1 gnd | -8.74 |
| 1 | Quasi Peak | 1.5 MHz | 42.95 | N gnd | -13.04 |
| 2 | CISPR Average | 1.563 MHz | 36.88 | L1 gnd | -9.11 |
| 1 | Quasi Peak | 1.8285 MHz | 43.32 | N gnd | -12.67 |
| 2 | CISPR Average | 2.139 MHz | 35.65 | L1 gnd | -10.34 |
| 1 | Quasi Peak | 2.4 MHz | 43.42 | N gnd | -12.57 |
| 1 | Quasi Peak | 2.9715 MHz | 39.68 | N gnd | -16.31 |
| 2 | CISPR Average | 3.2235 MHz | 34.14 | L1 gnd | -11.85 |

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Worst Case: Handset Online with Data Transfer (Conference)

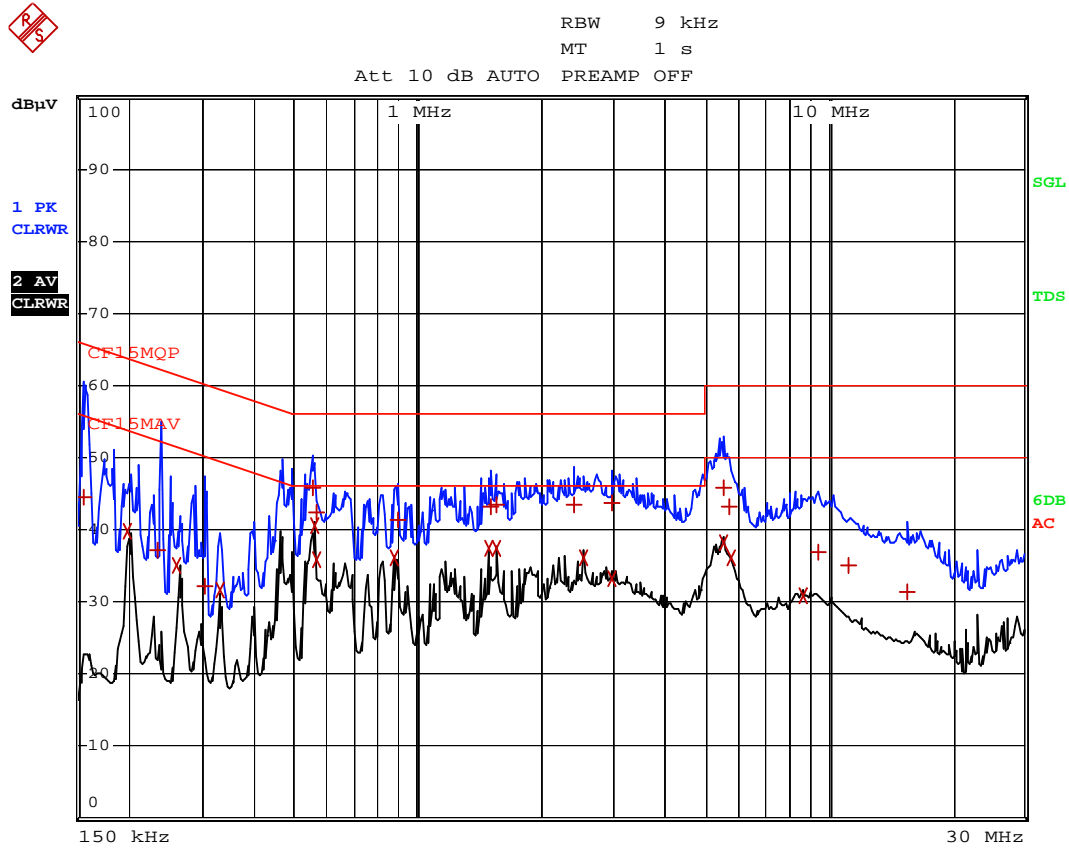
EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP
Trace2: CF15MAV
Trace3: ---

| | TRACE | FREQUENCY | LEVEL dB μ V | | DELTA LIMIT dB |
|---|---------------|-------------|------------------|--------|----------------|
| 1 | Quasi Peak | 5.46 MHz | 43.85 | L1 gnd | -16.14 |
| 2 | CISPR Average | 5.5545 MHz | 37.90 | L1 gnd | -12.09 |
| 1 | Quasi Peak | 5.748 MHz | 44.86 | L1 gnd | -15.13 |
| 2 | CISPR Average | 5.7525 MHz | 36.25 | L1 gnd | -13.74 |
| 1 | Quasi Peak | 8.358 MHz | 36.75 | N gnd | -23.24 |
| 2 | CISPR Average | 8.6775 MHz | 31.10 | L1 gnd | -18.89 |
| 1 | Quasi Peak | 11.1615 MHz | 35.06 | L1 gnd | -24.93 |
| 1 | Quasi Peak | 16.647 MHz | 30.55 | L1 gnd | -29.44 |

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Worst Case: Headset Online with Data Transfer (Conference)



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Worst Case: Headset Online with Data Transfer (Conference)

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL | | DELTA LIMIT |
|---|---------------|------------|-------|--------|-------------|
| 1 | Quasi Peak | 154.5 kHz | 44.52 | L1 gnd | -21.22 |
| 2 | CISPR Average | 199.5 kHz | 39.78 | L1 gnd | -13.84 |
| 1 | Quasi Peak | 235.5 kHz | 37.04 | L1 gnd | -25.21 |
| 2 | CISPR Average | 262.5 kHz | 34.97 | L1 gnd | -16.37 |
| 1 | Quasi Peak | 303 kHz | 32.24 | L1 gnd | -27.91 |
| 2 | CISPR Average | 330 kHz | 31.53 | L1 gnd | -17.91 |
| 1 | Quasi Peak | 555 kHz | 45.91 | L1 gnd | -10.08 |
| 2 | CISPR Average | 559.5 kHz | 40.49 | L1 gnd | -5.50 |
| 1 | Quasi Peak | 568.5 kHz | 42.37 | L1 gnd | -13.62 |
| 2 | CISPR Average | 568.5 kHz | 35.77 | L1 gnd | -10.22 |
| 2 | CISPR Average | 879 kHz | 36.03 | L1 gnd | -9.96 |
| 1 | Quasi Peak | 897 kHz | 41.41 | L1 gnd | -14.58 |
| 2 | CISPR Average | 1.4955 MHz | 37.47 | L1 gnd | -8.53 |
| 1 | Quasi Peak | 1.5 MHz | 43.12 | N gnd | -12.87 |
| 1 | Quasi Peak | 1.5585 MHz | 43.45 | L1 gnd | -12.54 |
| 2 | CISPR Average | 1.563 MHz | 37.37 | L1 gnd | -8.62 |
| 1 | Quasi Peak | 2.4045 MHz | 43.51 | L1 gnd | -12.48 |
| 2 | CISPR Average | 2.535 MHz | 36.20 | L1 gnd | -9.79 |
| 1 | Quasi Peak | 2.9625 MHz | 43.75 | L1 gnd | -12.24 |
| 2 | CISPR Average | 2.9625 MHz | 33.17 | L1 gnd | -12.82 |

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Worst Case: Headset Online with Data Transfer (Conference)

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

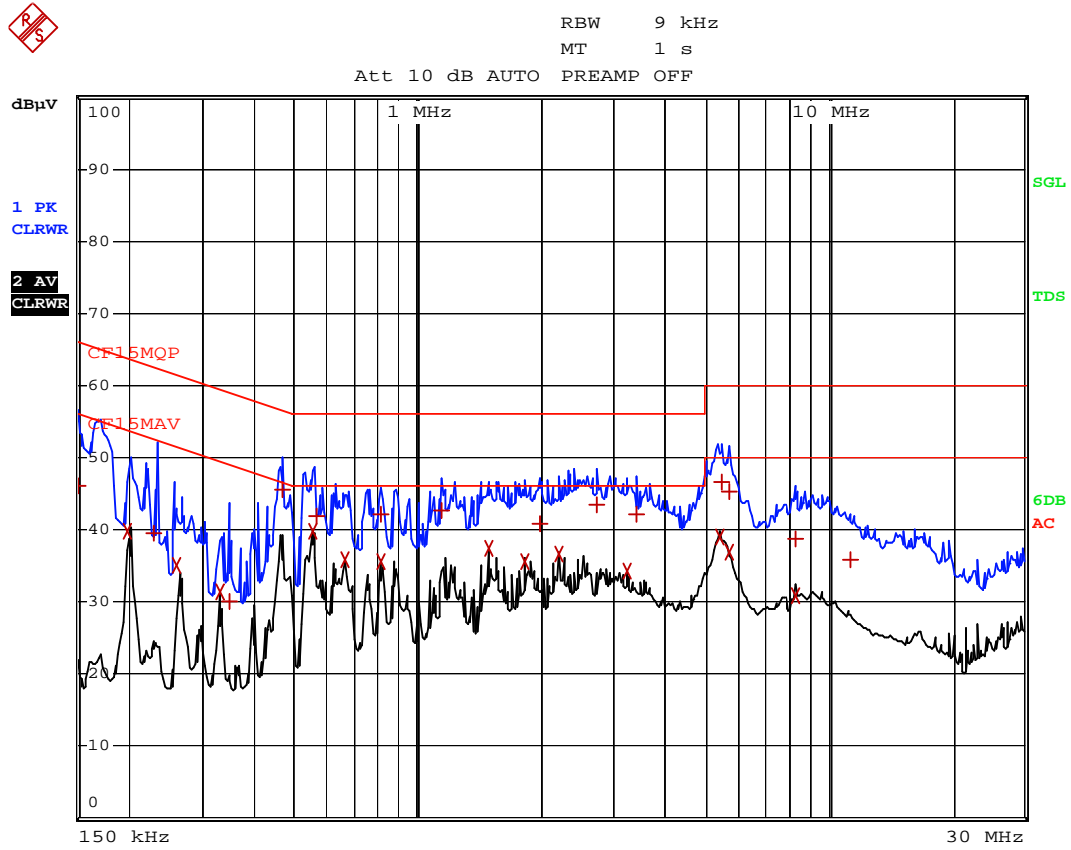
Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL dB μ V | | DELTA LIMIT dB |
|---|---------------|-------------|------------------|--------|----------------|
| 1 | Quasi Peak | 5.55 MHz | 45.92 | L1 gnd | -14.07 |
| 2 | CISPR Average | 5.55 MHz | 38.11 | L1 gnd | -11.88 |
| 1 | Quasi Peak | 5.7435 MHz | 43.05 | L1 gnd | -16.94 |
| 2 | CISPR Average | 5.7795 MHz | 36.09 | L1 gnd | -13.90 |
| 2 | CISPR Average | 8.6775 MHz | 30.82 | L1 gnd | -19.17 |
| 1 | Quasi Peak | 9.4065 MHz | 36.79 | L1 gnd | -23.21 |
| 1 | Quasi Peak | 11.2335 MHz | 35.14 | L1 gnd | -24.85 |
| 1 | Quasi Peak | 15.558 MHz | 31.39 | L1 gnd | -28.60 |

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Worst Case: Speakerphone Online with Data Transfer (Conference)



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Worst Case: Speakerphone Online with Data Transfer (Conference)

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL | | DELTA LIMIT |
|---|---------------|------------|-------|--------|-------------|
| 1 | Quasi Peak | 150 kHz | 46.03 | N gnd | -19.96 |
| 2 | CISPR Average | 199.5 kHz | 39.63 | L1 gnd | -13.99 |
| 1 | Quasi Peak | 231 kHz | 39.49 | L1 gnd | -22.91 |
| 2 | CISPR Average | 262.5 kHz | 35.01 | L1 gnd | -16.34 |
| 2 | CISPR Average | 330 kHz | 31.42 | L1 gnd | -18.03 |
| 1 | Quasi Peak | 348 kHz | 29.98 | N gnd | -29.03 |
| 1 | Quasi Peak | 465 kHz | 45.52 | L1 gnd | -11.07 |
| 2 | CISPR Average | 555 kHz | 39.86 | L1 gnd | -6.13 |
| 1 | Quasi Peak | 568.5 kHz | 41.95 | L1 gnd | -14.04 |
| 2 | CISPR Average | 663 kHz | 35.75 | L1 gnd | -10.25 |
| 1 | Quasi Peak | 811.5 kHz | 42.22 | L1 gnd | -13.78 |
| 2 | CISPR Average | 811.5 kHz | 35.66 | L1 gnd | -10.33 |
| 1 | Quasi Peak | 1.14 MHz | 42.67 | N gnd | -13.32 |
| 2 | CISPR Average | 1.4955 MHz | 37.49 | L1 gnd | -8.50 |
| 2 | CISPR Average | 1.824 MHz | 35.44 | L1 gnd | -10.55 |
| 1 | Quasi Peak | 1.995 MHz | 40.79 | N gnd | -15.20 |
| 2 | CISPR Average | 2.202 MHz | 36.74 | L1 gnd | -9.25 |
| 1 | Quasi Peak | 2.733 MHz | 43.44 | N gnd | -12.55 |
| 2 | CISPR Average | 3.2235 MHz | 34.24 | L1 gnd | -11.75 |
| 1 | Quasi Peak | 3.417 MHz | 42.08 | N gnd | -13.91 |

INTERTEK TESTING SERVICES

Worst Case: Speakerphone Online with Data Transfer (Conference)

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP

Trace2: CF15MAV

Trace3: ---

| | TRACE | FREQUENCY | LEVEL dB μ V | | DELTA LIMIT dB |
|---|---------------|-------------|------------------|--------|----------------|
| 2 | CISPR Average | 5.4195 MHz | 39.07 | L1 gnd | -10.92 |
| 1 | Quasi Peak | 5.487 MHz | 46.57 | L1 gnd | -13.42 |
| 1 | Quasi Peak | 5.748 MHz | 45.36 | L1 gnd | -14.63 |
| 2 | CISPR Average | 5.748 MHz | 36.79 | L1 gnd | -13.20 |
| 1 | Quasi Peak | 8.286 MHz | 38.70 | L1 gnd | -21.29 |
| 2 | CISPR Average | 8.286 MHz | 30.91 | L1 gnd | -19.08 |
| 1 | Quasi Peak | 11.2605 MHz | 35.80 | L1 gnd | -24.19 |

INTERTEK TESTING SERVICES

**EXHIBIT 5
EQUIPMENT LIST**

INTERTEK TESTING SERVICES

5.0 Equipment List

1) Radiated Emissions Test

| Equipment | EMI Test Receiver | Biconical Antenna | Log Periodic Antenna (200 - 1000)MHz | Spectrum Analyzer (9kHz to 26.5GHz) |
|----------------------|-------------------|-------------------|--------------------------------------|-------------------------------------|
| Registration No. | EW-2251 | EW-0954 | EW-0572 | EW-2188 |
| Manufacturer | R&S | EMCO | EMCO | AGILENTTECH |
| Model No. | ESCI | 3104C | 3146 | E4407B |
| Calibration Date | May.06, 2011 | Oct.18, 2011 | Nov.15, 2011 | Sep.26, 2011 |
| Calibration Due Date | May.06, 2012 | Apr.18, 2013 | May.15, 2013 | Sep.26, 2012 |

2) Conducted Emissions Test

| Equipment | EMI Test Receiver | Artificial Mains | Pulse Limiter | Artificial Mains Network |
|----------------------|-------------------|------------------|---------------|--------------------------|
| Registration No. | EW-2251 | EW-0192 | EW-0698 | EW-2501 |
| Manufacturer | R&S | R&S | R&S | R&S |
| Model No. | ESCI | ESH3-Z5 | ESH3-Z2 | ENV-216 |
| Calibration Date | May.06, 2011 | Nov.30, 2010 | Mar.11, 2011 | Mar.30, 2011 |
| Calibration Due Date | May.06, 2012 | Feb.29, 2012 | Mar.11, 2012 | Mar.30, 2012 |

END OF TEST REPORT