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|                 |                |
|-----------------|----------------|
| Project Number: | 12U4359        |
| FCC ID          | V65C5155       |
| Date:           | April 27, 2012 |
| Model:          | C5155 G01      |

# Electromagnetic Compatibility Test Report

For

**KYOCERA Communications, Inc.**

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FCC ID: V6C5155  
Model Number: C5155 G01  
Client Name: Kyocera Communications

### Test Report Details

Tests Performed By: **Underwriters Laboratories Inc.  
333 Pfingsten Rd.  
Northbrook, IL 60062**

Tests Performed For: **KYOCERA Communications, Inc.  
8611 Balboa Ave  
San Diego, CA 92123**

Applicant Contact: **Thuy To**  
Title: **Senior Regulatory Engineer**  
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Test Report Date: **April 27, 2012**

Product Type: **CDMA Mobile Phone with Bluetooth**

Product standards **FCC Part 15, Subpart C 15.247 – (15.207 and 15.209 tests),**

Model Number: **C5155 G01**  
FCC ID **V65C5155**

EUT Category: **Transceiver**

Testing Start Date: **April 11, 2012**

Date Testing Complete: **April 27, 2012**

**Overall Results: Compliant**

UL LLC reports apply only to the specific samples tested under stated test conditions. All samples tested were in good operating condition throughout the entire test program. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. UL LLC shall have no liability for any deductions, inferences or generalizations drawn by the client or others from UL LLC issued reports. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

This report may contain test results that are not covered by the NVLAP or A2LA accreditation. The scope of accreditation is limited to the specific tests that are listed on the NVLAP and/or A2LA websites referenced at the end of this report.

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Report Revision History

| Revision Date | Description | Revised By | Revision Reviewed By |
|---------------|-------------|------------|----------------------|
| None          |             |            |                      |

**1 GENERAL - Product Description**

**1.1 Equipment Description**

FCC V65C5155 Cell phone with BT and Wifi capabilities. Only Radiated Spurious Emissions, Bandedge, and Conducted Emissions AC mains were performed.

**1.2 Equipment Marking Plate**

N/A

**1.3 Device Configuration During Test**

**1.3.1 Equipment Used During Test:**

| Use | Product Type      | Manufacturer                 | Model     | Comments  |
|-----|-------------------|------------------------------|-----------|---|
| EUT | CDMA Mobile Phone | KYOCERA Communications, Inc. | C5155 G01 | None  |
| EUT | Power Supply      | KYOCERA Communications, Inc. | SCP-31ADT | Input:100-240Vac 50/60Hz 0.2A<br>Output: 5Vdc 800mA |
| AE  | Ear Phones        | -                            | -         | None  |

Note: **EUT** - Equipment Under Test, **AE** - Auxiliary/Associated Equipment, or **SIM** - Simulator (Not Subjected to Test)

**1.3.2 Input/Output Ports:**

| Port # | Name      | Type* | Cable Max. >3m (Y/N) | Cable Shielded (Y/N) | Comments                  |
|--------|-----------|-------|----------------------|----------------------|---------------------------|
| 0      | Enclosure | N/E   | —                    | —                    | None                      |
| 1      | Mains     | AC    | N                    | N                    | None                      |
| 2      | Mains     | Batt  | -                    | -                    | 3.7V Rechargeable battery |
| 3      | Headphone | I/O   | N                    | N                    | None                      |

Note:  
 AC = AC Power Port      DC = DC Power Port      N/E = Non-Electrical  
 I/O = Signal Input or Output Port (Not Involved in Process Control)  
 TP = Telecommunication Ports

**1.3.3 EUT Internal Operating Frequencies:**

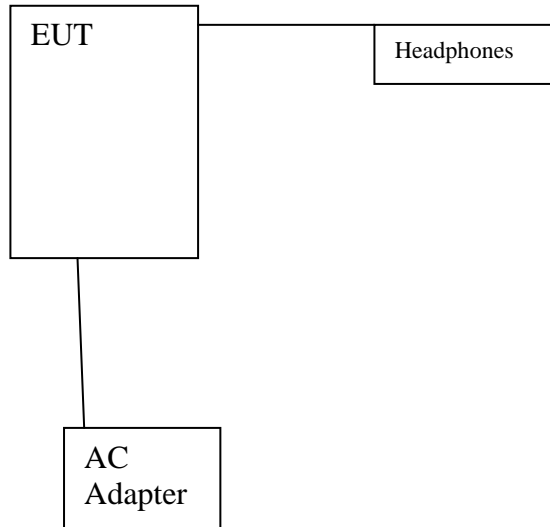
| Frequency (MHz) | Description |
|-----------------|-------------|
| 2400            | BT          |

**1.3.4 Power Interface:**

| Mode # /Rated | Voltage (V)      | Current (A) | Power (W) | Frequency (DC/AC-Hz) | Phases (#) | Comments |
|---------------|------------------|-------------|-----------|----------------------|------------|----------|
| 1             | Battery Operated | -           | -         | DC                   | -          | None     |
| 2             | 120Vac           | -           | -         | 60Hz                 | Single     | None     |

**1.4 Block Diagram:**

The diagram below illustrates the configuration of the equipment above.



### 1.5 EUT Configurations

| Mode # | Description  |
|--------|--|
| 1      | EUT was configured with headphones connected and either in Battery or AC mode as indicated in the caption of each plot |

### 1.6 EUT Operation Modes

| Mode # | Description   |
|--------|---|
| 1      | EUT was programmed to various operating modes indicated by the caption in each plot |

### 1.7 Rational for EUT Configuration

| Mode # | Description   |
|--------|---|
| 1      | The selected EUT configuration was chosen to maximize emissions |



## 2 Summary

The tests listed in the Summary of Testing section of this report have been performed and the results recorded by UL LLC in accordance with the procedures stated in each test requirement and specification. The applicant determined the list of tests performed were applicable to the Equipment Under Test. As a result, the subject product has been verified to comply or not comply as noted in the Summary of Testing with each test specification. The test results relate only to the items tested.

### 2.1 Deviations from standard test methods

None

### 2.2 Device Modifications Necessary for Compliance

None

**2.3 Reference Standards**

| Standard Number        | Standard Name   | Standard Date |
|------------------------|---|---------------|
| FCC Part 15, Subpart C | Code of Federal Regulations, Part 15, Radio Frequency Devices | 2011          |

**2.4 Results Summary**

This product is considered Class B

| Requirement – Test                    | Result (Compliant / Non-Compliant)* |
|---------------------------------------|-------------------------------------|
| Conducted Emissions                   | Compliant                           |
| Radiated Emissions including Bandedge | Compliant                           |

Test Engineer:



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Senior Project Engineer  
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Reviewer:



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Senior Project Engineer  
International EMC Services  
Conformity Assessment Services

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### 3 Calibration of Equipment Used for Measurement

All test equipment and test accessories are calibrated on a regular basis. The maximum time between calibrations is one year or the manufacturers' recommendation, whichever is less.

All test equipment calibrations are traceable to the National Institute of Standards and Technology (NIST); therefore, all test data recorded in this report is traceable to NIST.

### 4 EMISSIONS TEST RESULTS

The emissions tests were performed according to following regulations:  
 ----- United States -----

|                                      |   |
|--------------------------------------|---|
| Code of Federal Regulations Title 47 | Part 15, Subpart C, Radio Frequency Devices |
|--------------------------------------|---|

Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be verified at the time the test is conducted.

|                         |            |                      |         |                           |           |
|-------------------------|------------|----------------------|---------|---------------------------|-----------|
| Ambient Temperature, °C | 22.5 ± 2.5 | Relative Humidity, % | 45 ± 15 | Barometric Pressure, mBar | 950 ± 150 |
|-------------------------|------------|----------------------|---------|---------------------------|-----------|

#### Measurement Uncertainty

| Test                | Uncertainty     |
|---------------------|-----------------|
| Conducted Emissions | +/- 0.6dB (k=2) |
| Radiated Emissions  | +/- 3.1dB (k=2) |

#### Sample Calculations

Radiated Field Strength and Conducted Emissions data contained within this report is calculated on the following basis:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Meter Reading (dBuV)} + \text{AF (dB/m)} - \text{Gain (dB)} + \text{Cable Loss (dB)} \\ \text{Conducted Voltage (dBuV)} &= \text{Meter Reading (dBuV)} + \text{Cable Loss (dB)} + \text{LISN IL (dB)} \\ \text{Conducted Current (dBuA)} &= \text{Meter Reading (dBuV)} + \text{Cable Loss (dB)} - \text{Transducer Factor (dBohms)} \end{aligned}$$

4.1

**Test Conditions and Results – MAINS TERMINAL – CONDUCTED EMISSIONS**

|  |   |                   |
|--|---|-------------------|
| Test Description   | Measurements were made on a ground plane. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN. |                   |
| Basic Standard   | FCC Part 15.207   |                   |
| UL LPG   | 80-EM-S0026   |                   |
|  | Frequency range on each side of line  | Measurement Point |
| Fully configured sample scanned over the following frequency range | 150kHz to 30MHz   | Mains             |
| <b>Limits - Class B</b>  |   |                   |
| Frequency (MHz)  | Limit (dBµV)  |                   |
|  | Quasi-Peak  | Average           |
| 0.15-0.5   | 66 to 56  | 56 to 46          |
| 0.5-5  | 56  | 46                |
| 5-30   | 60  | 50                |
| Supplementary information: None                                    |   |                   |

**Table 1 Conducted Emissions EUT Configuration Settings**

| Power Interface Mode #          | EUT Configurations Mode # | EUT Operation Mode # |
|---------------------------------|---------------------------|----------------------|
| 1                               | 1                         | 1                    |
| Supplementary information: None |                           |                      |

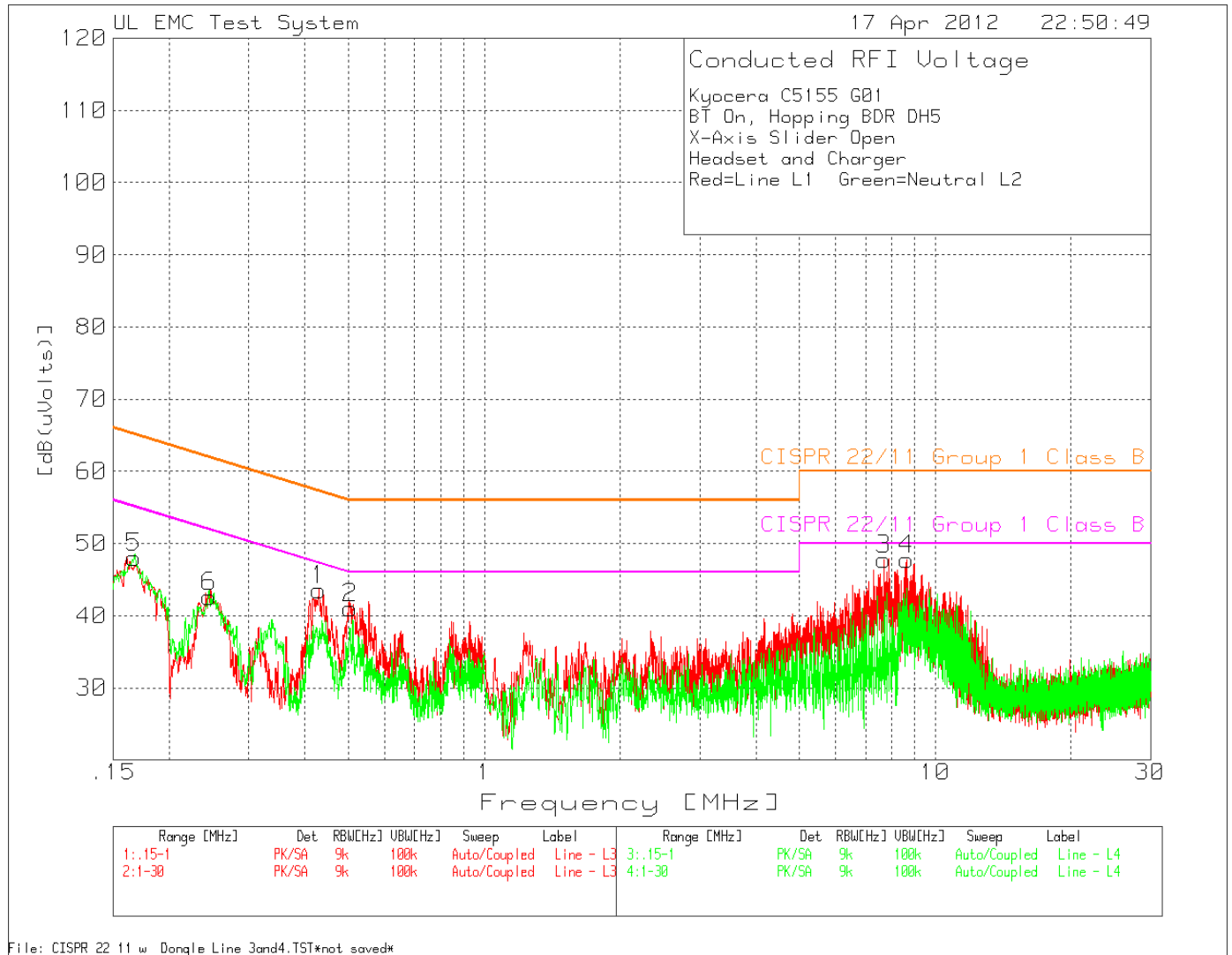
**Table 2 Conducted Emissions Test Equipment**

| Description       | Manufacturer      | Model           | Identifier | Cal Date | Cal Due  |
|-------------------|-------------------|-----------------|------------|----------|----------|
| EMI Test Receiver | Rohde & Schwarz   | ESCI            | EMC4328    | 12/28/11 | 12/28/12 |
| Transient Limiter | Electro-Metrics   | EM7600-2        | EMC4224    | N/A      | N/A      |
| HighPass Filter   | Solar Electronics | 2803-150        | EMC4327    | N/A      | N/A      |
| Attenuator        | HP                | 8494B           | 2831A00838 | N/A      | N/A      |
| LISN - L1         | Solar             | 8602-50-TS-50-N | EMC4052    | 1/6/12   | 1/7/13   |
| LISN - L2         | Solar             | 8602-50-TS-50-N | EMC4064    | 1/6/12   | 1/7/13   |

**Figure 1 Test Setup for Conducted Emissions**

See Photos exhibit

Figure 2 Conducted Emissions Graph



**Table 3 Conducted Emissions Data Points**

Kyocera C5155 G01  
 BT On, Hopping BDR DH5  
 X-Axis Slider Open  
 Headset and Charger  
 Red=Line L1 Green=Neutral L2

| No.                        | Test Frequency [MHz] | Meter Reading [dB(uV)] | Transducer Factor [dB] | Gain/Loss Factor [dB] | Level [dB(uVolts)] | Limit:1 | 2 | 3      | 4     | 5 | 6 |
|----------------------------|----------------------|------------------------|------------------------|-----------------------|--------------------|---------|---|--------|-------|---|---|
| -----                      |                      |                        |                        |                       |                    |         |   |        |       |   |   |
| Line - L3 .15 - 1MHz ----- |                      |                        |                        |                       |                    |         |   |        |       |   |   |
| 1                          | .4288                | 32.73 PK               | .1                     | 10.7                  | 43.53              | -       | - | 57.3   | 47.3  | - | - |
|                            |                      |                        |                        | Margin [dB]           |                    | -       | - | -13.77 | -3.77 | - | - |
| 2                          | .50397               | 30.24 PK               | .1                     | 10.7                  | 41.04              | -       | - | 56     | 46    | - | - |
|                            |                      |                        |                        | Margin [dB]           |                    | -       | - | -14.96 | -4.96 | - | - |
| -----                      |                      |                        |                        |                       |                    |         |   |        |       |   |   |
| Line - L3 1 - 30MHz -----  |                      |                        |                        |                       |                    |         |   |        |       |   |   |
| 3                          | 7.68952              | 36.57 PK               | 10.9                   | .3                    | 47.77              | -       | - | 60     | 50    | - | - |
|                            |                      |                        |                        | Margin [dB]           |                    | -       | - | -12.23 | -2.23 | - | - |
| 4                          | 8.66017              | 36.16 PK               | 10.9                   | .7                    | 47.76              | -       | - | 60     | 50    | - | - |
|                            |                      |                        |                        | Margin [dB]           |                    | -       | - | -12.24 | -2.24 | - | - |
| -----                      |                      |                        |                        |                       |                    |         |   |        |       |   |   |
| Line - L4 .15 - 1MHz ----- |                      |                        |                        |                       |                    |         |   |        |       |   |   |
| 5                          | .16678               | 35.53 PK               | .1                     | 12.4                  | 48.03              | -       | - | 65.1   | 55.1  | - | - |
|                            |                      |                        |                        | Margin [dB]           |                    | -       | - | -17.07 | -7.07 | - | - |
| 6                          | .24577               | 31.22 PK               | .1                     | 11.3                  | 42.62              | -       | - | 61.9   | 51.9  | - | - |
|                            |                      |                        |                        | Margin [dB]           |                    | -       | - | -19.28 | -9.28 | - | - |

LIMIT 1: NONE  
 LIMIT 2: NONE  
 LIMIT 3: CISPR 22/11 Group 1 Class B QP  
 LIMIT 4: CISPR 22/11 Group 1 Class B AV

PK - Peak detector

FCC ID: V6C5155  
 Model Number: C5155 G01  
 Client Name: Kyocera Communications

Kyocera C5155 G01  
 BT On, Hopping BDR DH5  
 X-Axis Slider Open  
 Headset and Charger

Red=Line L1 Green=Neutral L2

| Test                 | Meter            | Transducer  | Gain/Loss    | Level        | Limit:1 | 2 | 3      | 4      | 5 | 6 |
|----------------------|------------------|-------------|--------------|--------------|---------|---|--------|--------|---|---|
| Frequency [MHz]      | Reading [dB(uV)] | Factor [dB] | Factor [dB]  | [dB(uVolts)] |         |   |        |        |   |   |
| =====                |                  |             |              |              |         |   |        |        |   |   |
| Line - L3 .15 - 1MHz |                  |             |              |              |         |   |        |        |   |   |
| .43158               | 26.06 QP         | .1          | 10.7         | 36.86        | -       | - | 57.22  | 47.22  | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -20.36 | -10.36 | - | - |
| .50575               | 25.13 QP         | .1          | 10.7         | 35.93        | -       | - | 56     | 46     | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -20.07 | -10.07 | - | - |
| Line - L3 1 - 30MHz  |                  |             |              |              |         |   |        |        |   |   |
| 7.68907              | 27.52 QP         | 10.9        | .3           | 38.72        | -       | - | 60     | 50     | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -21.28 | -11.28 | - | - |
| 8.6609               | 30.71 QP         | 10.9        | .7           | 42.31        | -       | - | 60     | 50     | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -17.69 | -7.69  | - | - |
| Line - L4 .15 - 1MHz |                  |             |              |              |         |   |        |        |   |   |
| .16725               | 30.13 QP         | .1          | 12.4         | 42.63        | -       | - | 65.1   | 55.1   | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -22.47 | -12.47 | - | - |
| .24897               | 24.57 QP         | .1          | 11.2         | 35.87        | -       | - | 61.79  | 51.79  | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -25.92 | -15.92 | - | - |

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

QP - Quasi-Peak detector

LIMIT 1: NONE

LIMIT 2: NONE

LIMIT 3: CISPR 22/11 Group 1 Class B QP

LIMIT 4: CISPR 22/11 Group 1 Class B AV

FCC ID: V6C5155  
 Model Number: C5155 G01  
 Client Name: Kyocera Communications

Kyocera C5155 G01  
 BT On, Hopping BDR DH5  
 X-Axis Slider Open  
 Headset and Charger

Red=Line L1 Green=Neutral L2

| Test                 | Meter            | Transducer  | Gain/Loss    | Level        | Limit:1 | 2 | 3      | 4      | 5 | 6 |
|----------------------|------------------|-------------|--------------|--------------|---------|---|--------|--------|---|---|
| Frequency [MHz]      | Reading [dB(uV)] | Factor [dB] | Factor [dB]  | [dB(uVolts)] |         |   |        |        |   |   |
| =====                |                  |             |              |              |         |   |        |        |   |   |
| Line - L3 .15 - 1MHz |                  |             |              |              |         |   |        |        |   |   |
| .43158               | 19.9 Av          | .1          | 10.7         | 30.7         | -       | - | 57.22  | 47.22  | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -26.52 | -16.52 | - | - |
| .50575               | 18.34 Av         | .1          | 10.7         | 29.14        | -       | - | 56     | 46     | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -26.86 | -16.86 | - | - |
| Line - L3 1 - 30MHz  |                  |             |              |              |         |   |        |        |   |   |
| 7.68907              | 18.61 Av         | 10.9        | .3           | 29.81        | -       | - | 60     | 50     | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -30.19 | -20.19 | - | - |
| 8.6609               | 20.93 Av         | 10.9        | .7           | 32.53        | -       | - | 60     | 50     | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -27.47 | -17.47 | - | - |
| Line - L4 .15 - 1MHz |                  |             |              |              |         |   |        |        |   |   |
| .16725               | 15.77 Av         | .1          | 12.4         | 28.27        | -       | - | 65.1   | 55.1   | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -36.83 | -26.83 | - | - |
| .24897               | 15.58 Av         | .1          | 11.2         | 26.88        | -       | - | 61.79  | 51.79  | - | - |
|                      |                  |             | Margin [dB]: |              | -       | - | -34.91 | -24.91 | - | - |

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

Av - average detection

LIMIT 1: NONE  
 LIMIT 2: NONE  
 LIMIT 3: CISPR 22/11 Group 1 Class B QP  
 LIMIT 4: CISPR 22/11 Group 1 Class B AV



**4.2 Test Conditions and Results – RADIATED EMISSIONS**

|   |  |                                 |
|---|--|---------------------------------|
| Test Description  | Measurements were made in a 10-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 and 3 meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable. |                                 |
| Basic Standard  | FCC Part 15  |                                 |
| UL LPG  | 80-EM-S0029  |                                 |
|   | Frequency range  | Measurement Point               |
| Fully configured sample scanned over the following frequency range  | 30MHz – 1GHz   | (10 meter measurement distance) |
| Fully configured sample scanned over the following frequency range  | 1GHz – 25GHz   | (3 meter measurement distance)  |
| <b>Limits - Class B</b>   |  |                                 |
| Frequency (MHz)   | Limit (dBµV/m)   |                                 |
|   | Quasi-Peak   | Average                         |
| 30-88   | 40   | NA                              |
| 88-216  | 43.5   | NA                              |
| 216-960   | 46   | NA                              |
| 960-1000  | 54   | NA                              |
| 1000-25000 (3m)   | 74 (Peak)  | 54                              |
| <p>Supplementary information: If Emissions detected were at least 6dB below the limit no additional measurements were taken after prescan. The EUT was scanned in three orthogonal axis from 1GHz-25GHz set to BT BDR mode, low, middle and high channels. In addition the EUT was set to BT QPSK mode and BT 8PSK mode to determine if any additional spurious emissions are generated by switching to different modulation. Band-edge scans were conducted at axis determined as worst case from initial 1GHz-25GHz scans in multiple modulation modes and data rates. Below 1GHz the EUT was scanned only in one axis, one modulation. No emissions related to the transmitter were noted.</p> <p>For Bandedge Z-axis for horizontal polarity and X-axis for vertical polarity was found to be worst case. Emissions found near 1.9GHz is noise floor.</p> |  |                                 |

**Table 4 Radiated Emissions EUT Configuration Settings**

| Power Interface Mode #          | EUT Configurations Mode # | EUT Operation Mode # |
|---------------------------------|---------------------------|----------------------|
| 1                               | 1                         | 1                    |
| Supplementary information: None |                           |                      |

**Table 5 Radiated Emissions Test Equipment**

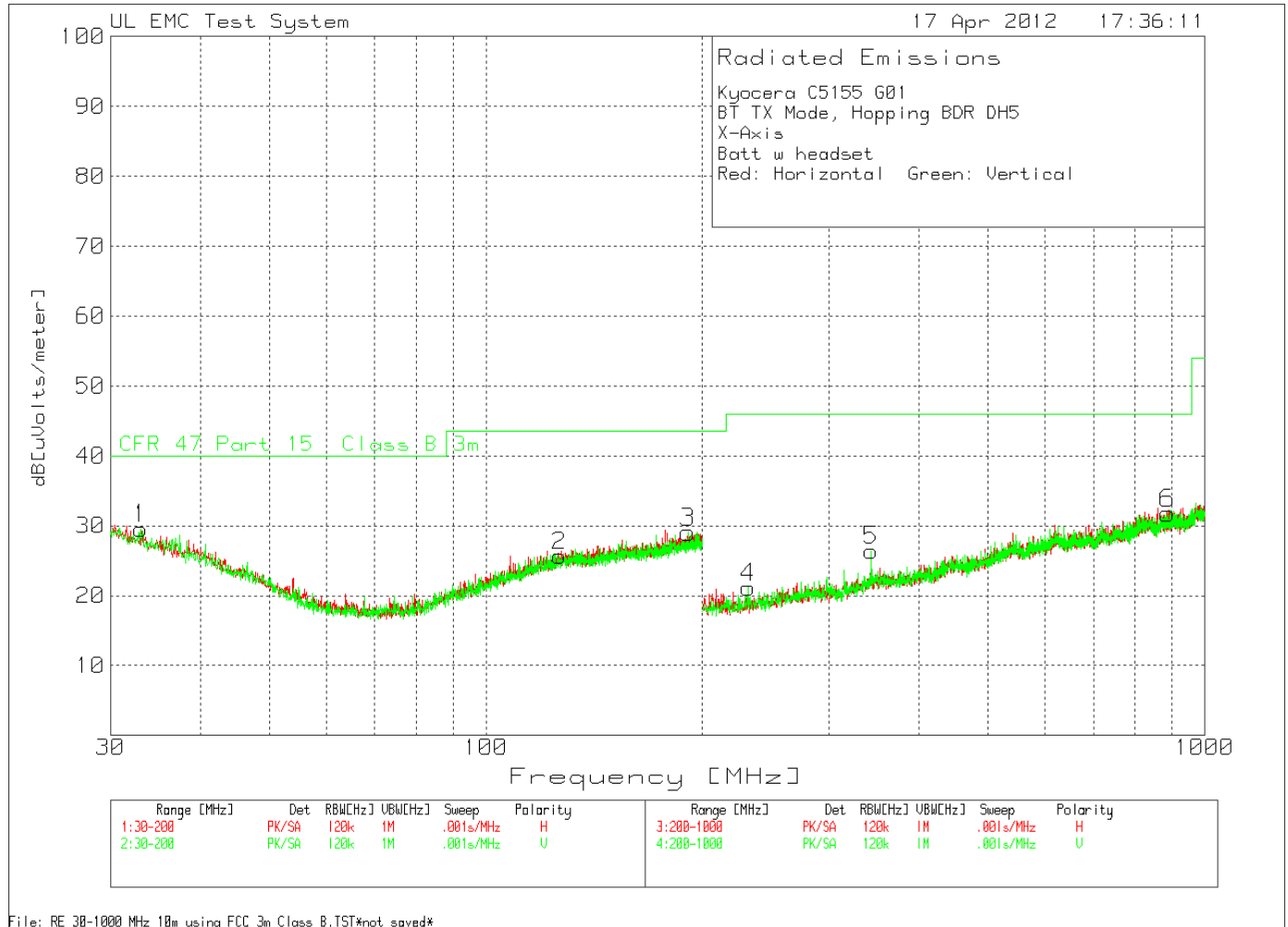
| Description       | Manufacturer    | Model    | Identifier | Cal Date | Cal Due  |
|-------------------|-----------------|----------|------------|----------|----------|
| EMI Test Receiver | Rohde & Schwarz | ESU      | EMC4323    | 12/27/11 | 12/27/12 |
| Bicon Antenna     | Chase           | VBA6106A | EMC4078    | 1/17/12  | 1/31/13  |
| Log-P Antenna     | Chase           | UPA6109  | EMC4313    | 6/29/11  | 6/29/12  |
| Spectrum Analyzer | Rhode & Schwarz | FSEK     | EMC4182    | 12/27/11 | 12/31/12 |
| Antenna Array     | UL              | BOMS     | EMC4276    | 1/2/2012 | 1/2/2013 |

**Figure 3 Test setup for Radiated Emissions**

See Photo Exhibit

### 4.2.1.1 Spurious, BT, DH5, BDR, Hopping Channel, Battery Mode, 30MHz – 1GHz

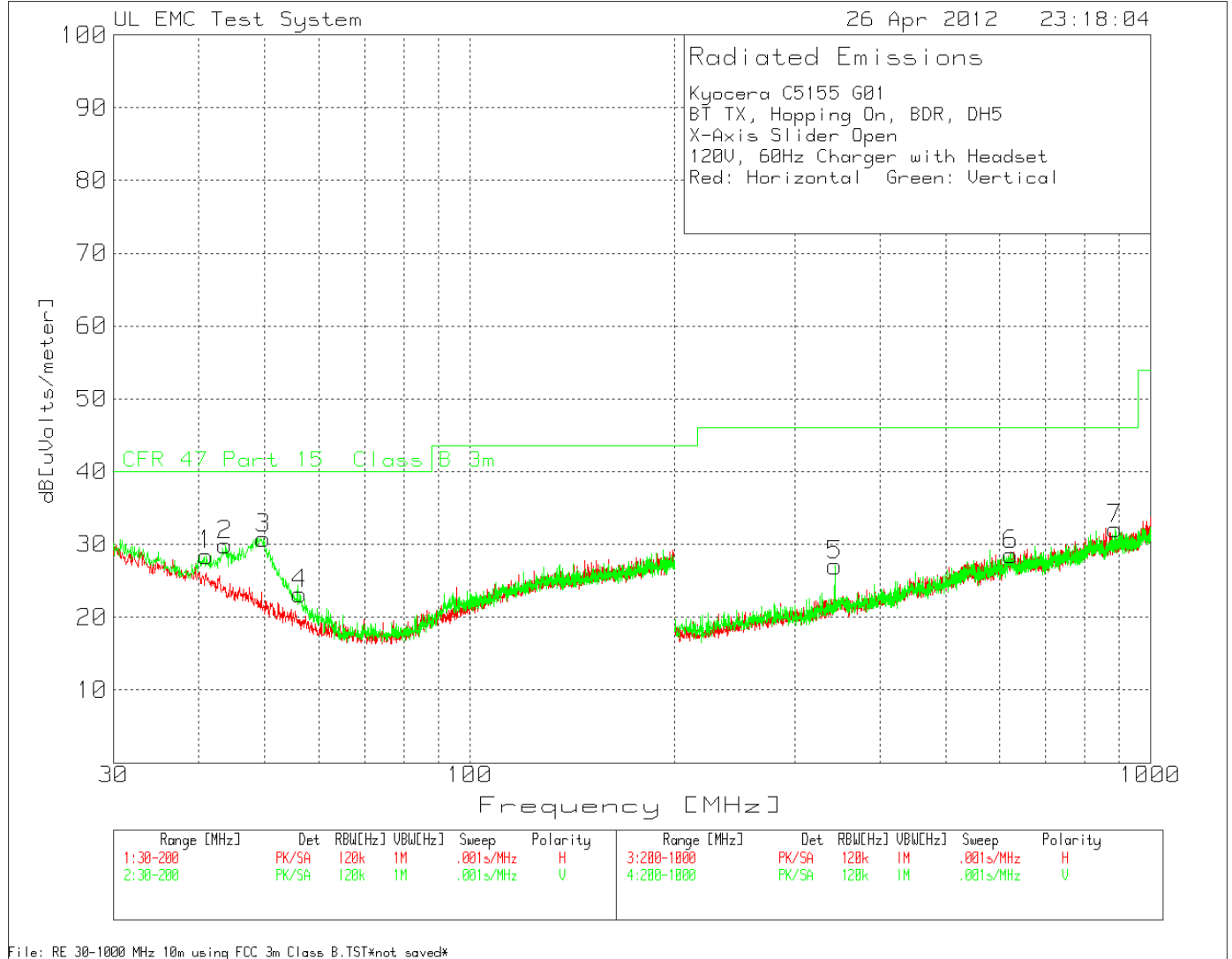
Figure 4 Radiated Emissions Graph X-Axis



No Emissions found within 6dB of the limit

### 4.2.2 Spurious, BT, BDR, Hopping Channel, Charging Mode, 30MHz – 1GHz

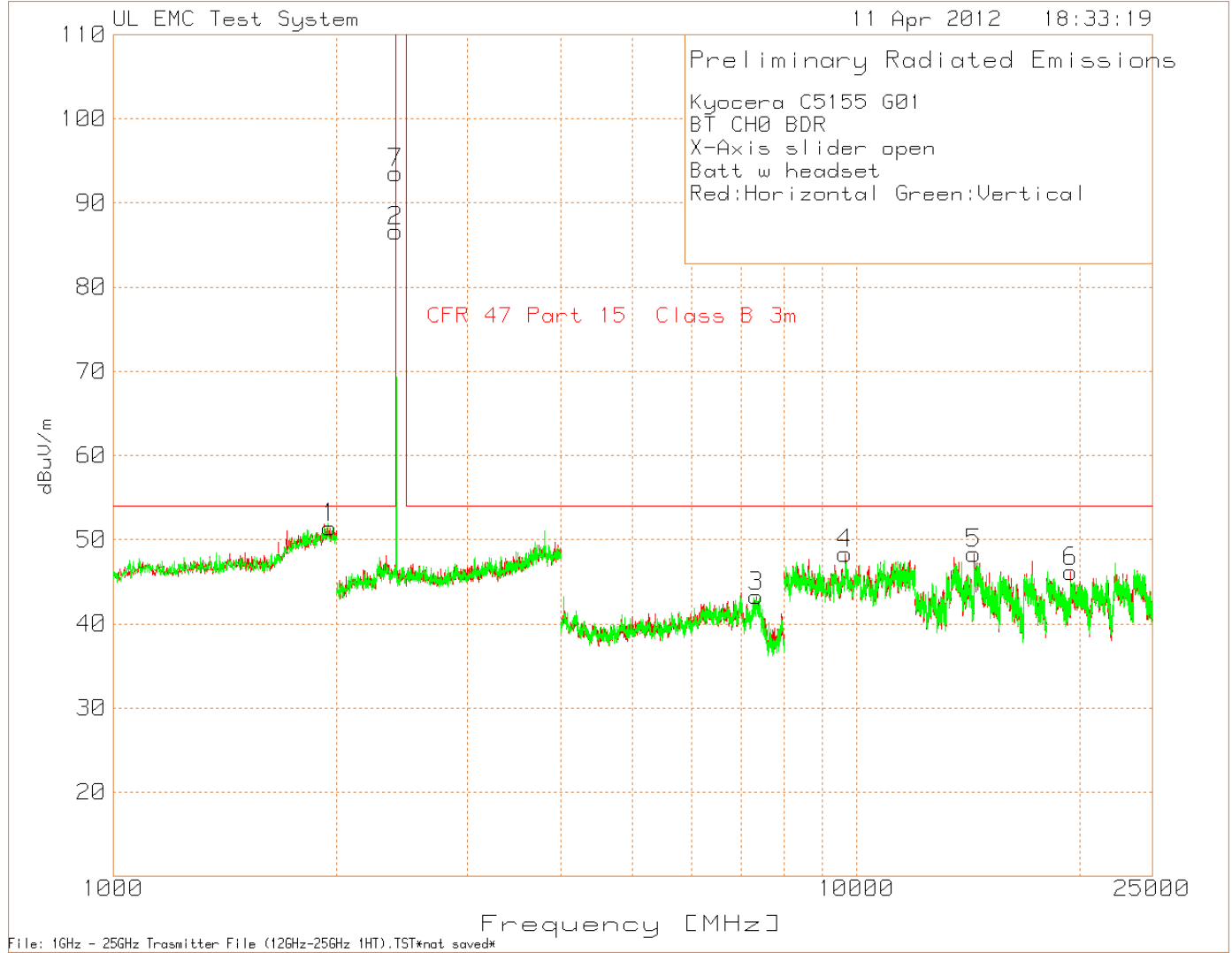
Figure 5 Radiated Emissions Graph X-Axis



No Emissions found within 6dB of the limit

### 4.2.3 Spurious, BT, BDR, Low Channel, 1GHz – 25GHz

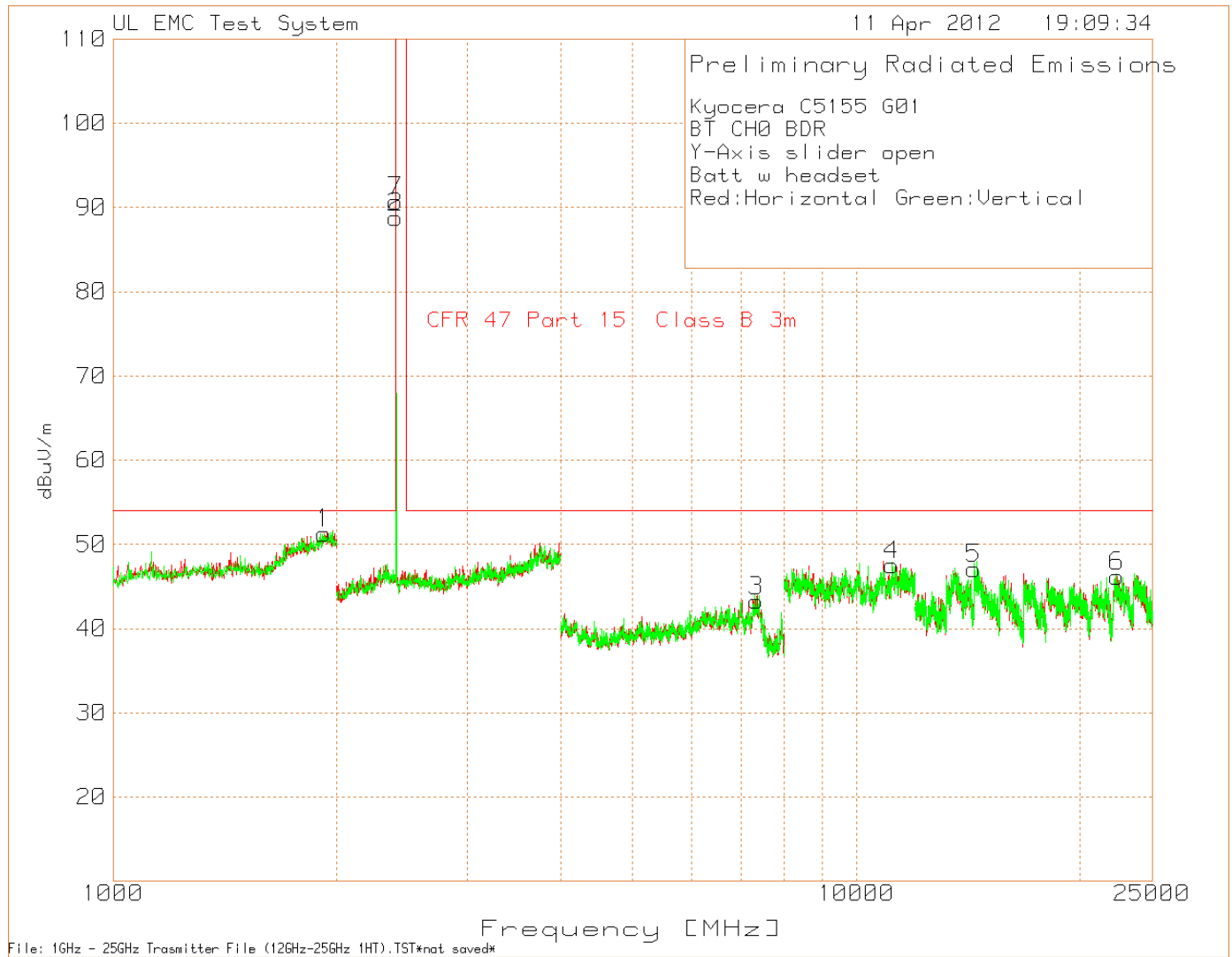
Figure 6 Radiated Emissions Graph X-Axis



**Table 6 Radiated Emissions Data Points X-Axis**

| Kyocera C5155 G01<br>BT CHO BDR<br>X-Axis slider open<br>X-Axis slider open<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|--|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency   | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1955.912   | 20.29         | PK       | 27.4              | 3.76              | 51.45        | 54                        | -2.55  | 101         | Horz     |
| 2402.402   | 60.63         | PK       | 21.8              | 4.25              | 86.68        | -                         | -      | 99          | Horz     |
| 7332.889   | 58.9          | PK       | 30.7              | -46.31            | 43.29        | 54                        | -10.71 | 150         | Horz     |
| 9673.115   | 60.59         | PK       | 36.4              | -48.67            | 48.32        | 54                        | -5.68  | 150         | Horz     |
| 14408.16   | 47.82         | PK       | 39.8              | -39.28            | 48.34        | 54                        | -5.66  | 100         | Horz     |
| 19434.17   | 66.88         | PK       | 40.3              | -61.04            | 46.14        | 54                        | -7.86  | 100         | Horz     |
| 2402.402   | 67.47         | PK       | 21.8              | 4.25              | 93.52        | -                         | -      | 150         | Vert     |
| PK - Peak detector   |               |          |                   |                   |              |                           |        |             |          |

Figure 7 Radiated Emissions Graph Y-Axis

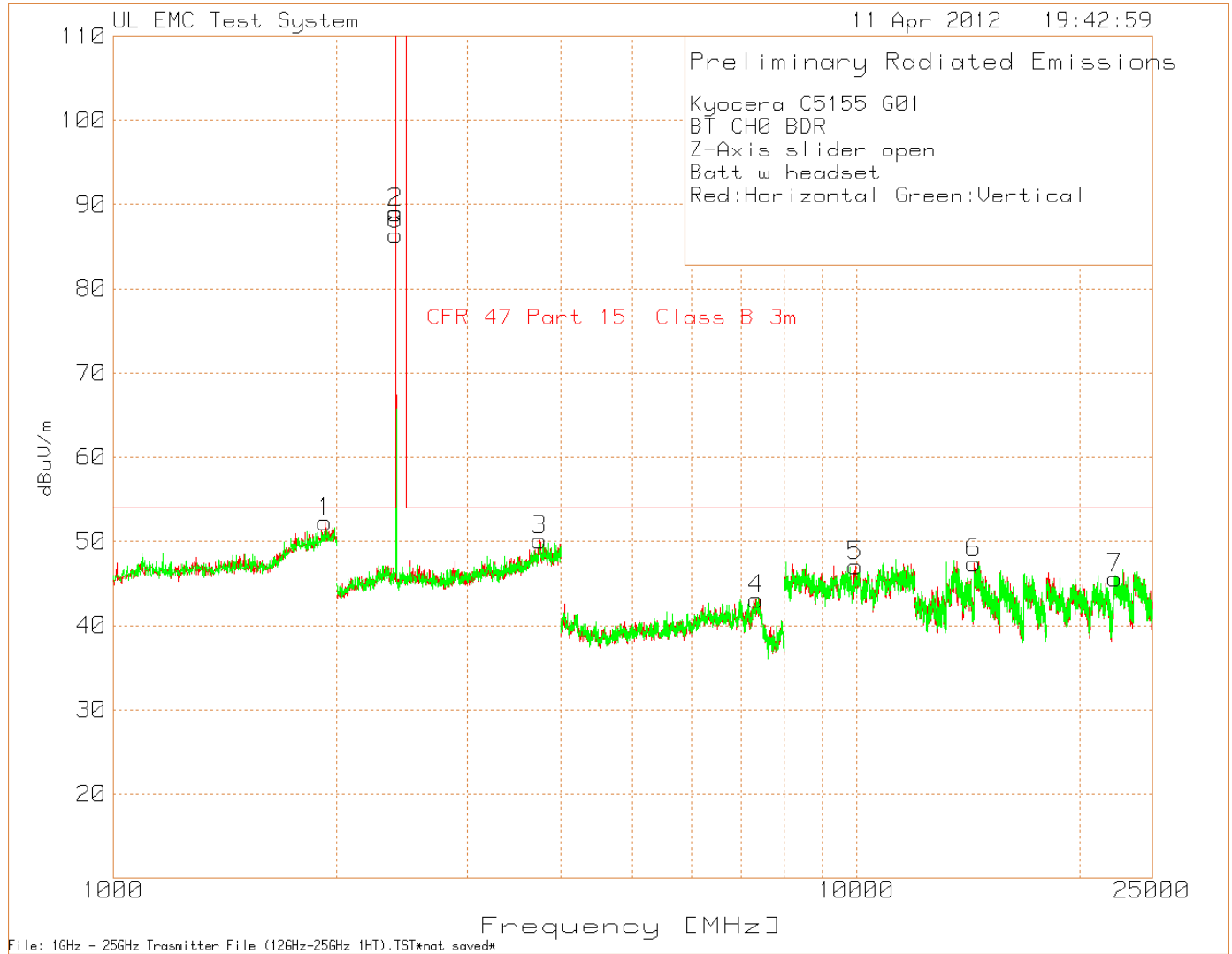


**Table 7 Radiated Emissions Data Points Y-Axis**

| Kyocera C5155 G01<br>BT CHO BDR<br>Y-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|--|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency   | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1925.852   | 19.98         | PK       | 27.4              | 3.91              | 51.29        | 54                        | -2.71  | 100         | Horz     |
| 2400.4   | 62.69         | PK       | 21.8              | 4.3               | 88.79        | -                         | -      | 99          | Horz     |
| 7330.22  | 58.87         | PK       | 30.7              | -46.28            | 43.29        | 54                        | -10.71 | 150         | Horz     |
| 11180.79   | 57.62         | PK       | 36.7              | -46.83            | 47.49        | 54                        | -6.51  | 150         | Horz     |
| 14415.37   | 46.97         | PK       | 39.8              | -39.68            | 47.09        | 54                        | -6.91  | 99          | Horz     |
| 22445.38   | 57.66         | PK       | 40.5              | -52.01            | 46.15        | 54                        | -7.85  | 99          | Horz     |
| 2402.402   | 64.7          | PK       | 21.8              | 4.25              | 90.75        | -                         | -      | 100         | Vert     |
| PK - Peak detector   |               |          |                   |                   |              |                           |        |             |          |



Figure 8 Radiated Emissions Graph Z-Axis

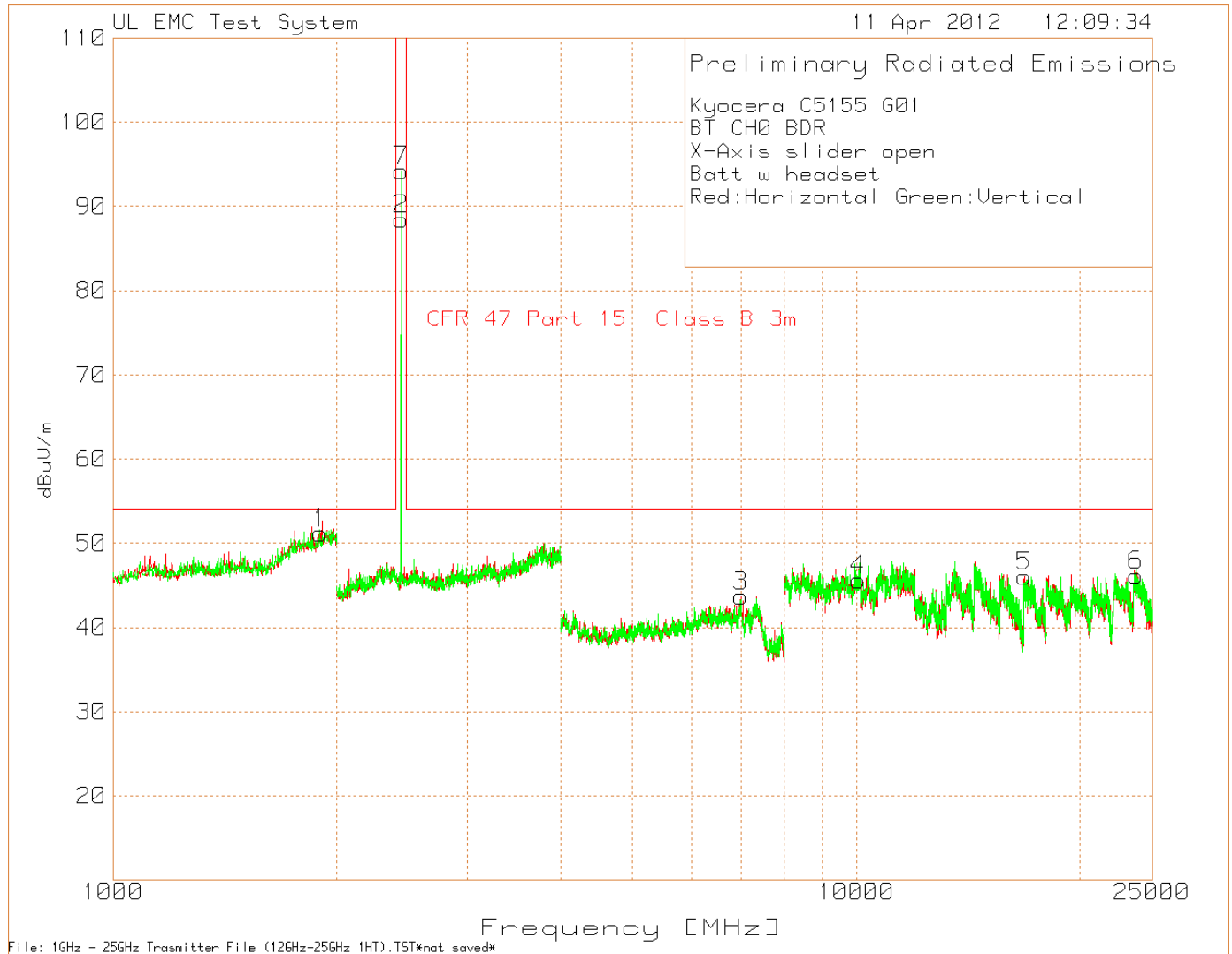


**Table 8 Radiated Emissions Data Points Z-Axis**

| Kyocera C5155 G01<br>BT CHO BDR<br>Z-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|--|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency   | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1931.864   | 20.99         | PK       | 27.4              | 3.96              | 52.35        | 54                        | -1.65  | 150         | Horz     |
| 2402.402   | 62.97         | PK       | 21.8              | 4.25              | 89.02        | -                         | -      | 100         | Horz     |
| 3753.754   | 20.41         | PK       | 23.8              | 5.95              | 50.16        | 54                        | -3.84  | 150         | Horz     |
| 7340.894   | 58.92         | PK       | 30.8              | -46.59            | 43.13        | 54                        | -10.87 | 100         | Horz     |
| 9966.644   | 59.94         | PK       | 36.4              | -49.21            | 47.13        | 54                        | -6.87  | 150         | Horz     |
| 14415.37   | 47.28         | PK       | 39.8              | -39.68            | 47.4         | 54                        | -6.6   | 99          | Horz     |
| 22316.53   | 57.86         | PK       | 40.5              | -52.76            | 45.6         | 54                        | -8.4   | 99          | Horz     |
| 2400.4   | 60.3          | PK       | 21.8              | 4.3               | 86.4         | -                         | -      | 100         | Vert     |
| PK - Peak detector   |               |          |                   |                   |              |                           |        |             |          |

### 4.2.4 Spurious, BT, BDR, Middle Channel, 1GHz – 25GHz

Figure 9 Radiated Emissions Graph X-Axis



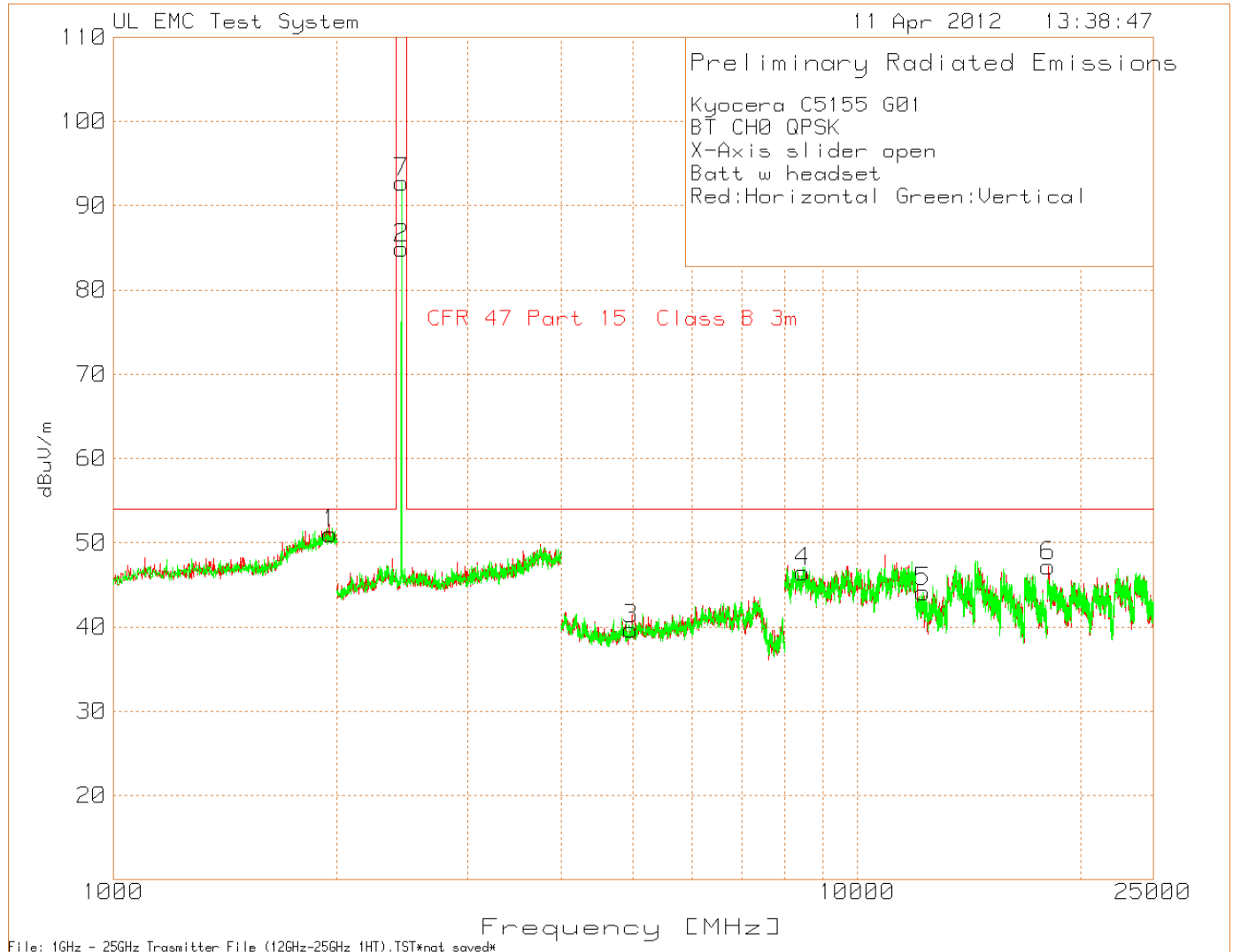
Plot caption should say CH39

**Table 9 Radiated Emissions Data Points X-Axis**

| Kyocera C5155 G01<br>BT CH39 BDR<br>X-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|---|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency  | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1901.804  | 20.09         | PK       | 27.4              | 3.72              | 51.21        | 54                        | -2.79  | 150         | Horz     |
| 2440.44   | 62.32         | PK       | 21.9              | 4.25              | 88.47        | -                         | -      | 100         | Horz     |
| 6999.333  | 59.63         | PK       | 29.3              | -45.19            | 43.74        | 54                        | -10.26 | 150         | Horz     |
| 10065.38  | 57.98         | PK       | 36.3              | -48.69            | 45.59        | 54                        | -8.41  | 150         | Horz     |
| 16847.54  | 47.05         | PK       | 40.2              | -41.17            | 46.08        | 54                        | -7.92  | 100         | Horz     |
| 23806.72  | 59.92         | PK       | 40.3              | -54.02            | 46.2         | 54                        | -7.8   | 100         | Horz     |
| 2440.44   | 68.04         | PK       | 21.9              | 4.25              | 94.19        | -                         | -      | 150         | Vert     |
| PK - Peak detector  |               |          |                   |                   |              |                           |        |             |          |

### 4.2.5 Spurious, BT, QPSK, Middle Channel, 1GHz – 25GHz

Figure 10 Radiated Emissions Graph X-Axis

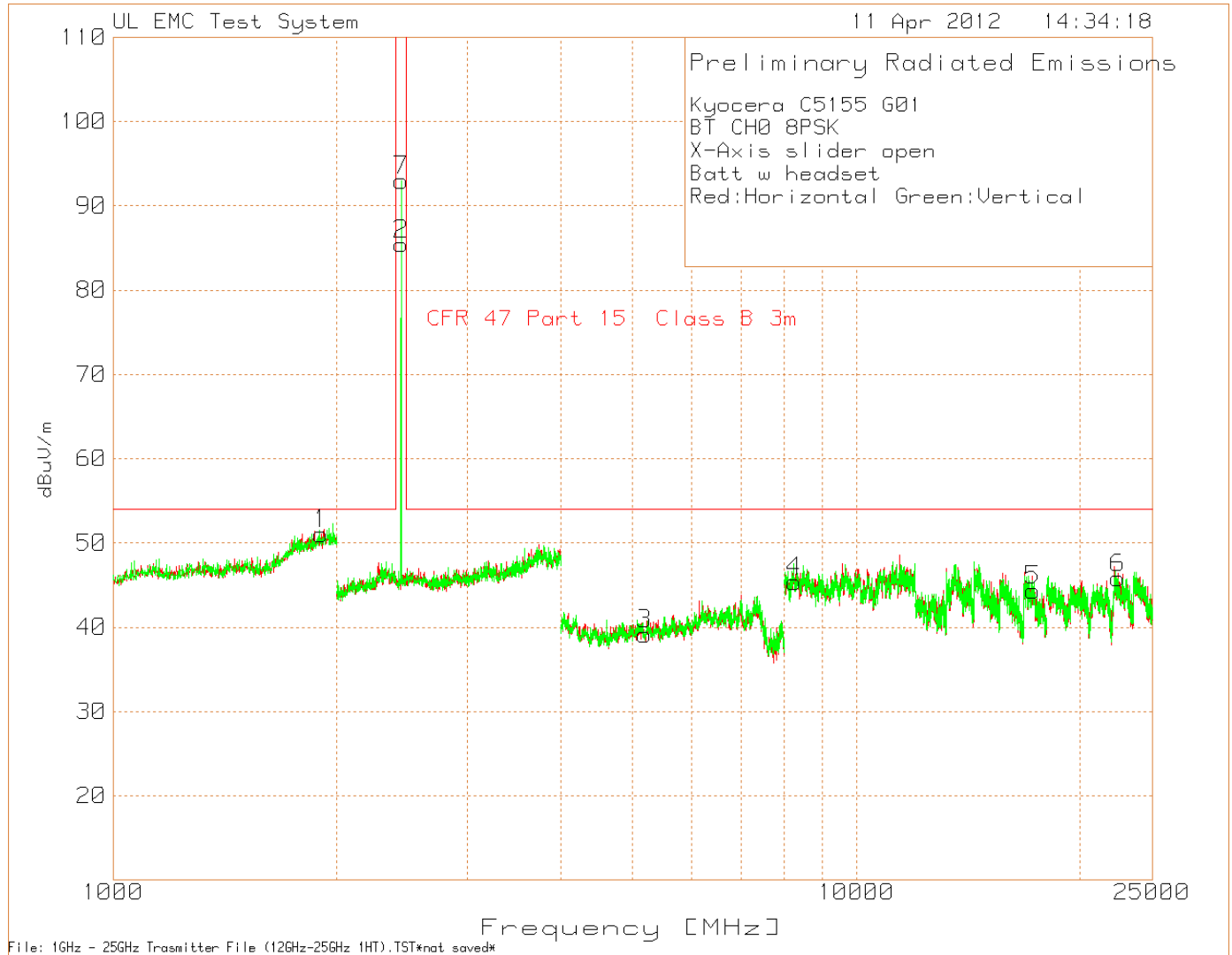


**Table 10 Radiated Emissions Data Points X-Axis**

| Kyocera C5155 G01<br>BT CH39 QPSK<br>X-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|--|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency   | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1959.92  | 19.88         | PK       | 27.4              | 3.75              | 51.03        | 54                        | -2.97  | 100         | Horz     |
| 2440.44  | 58.77         | PK       | 21.9              | 4.25              | 84.92        | -                         | -      | 99          | Horz     |
| 4965.977   | 63.34         | PK       | 27.8              | -51.38            | 39.76        | 54                        | -14.24 | 150         | Horz     |
| 8450.967   | 59.64         | PK       | 36.6              | -49.7             | 46.54        | 54                        | -7.46  | 150         | Horz     |
| 12259.3  | 50.61         | PK       | 39.4              | -45.9             | 44.11        | 54                        | -9.89  | 100         | Horz     |
| 18081.23   | 68.17         | PK       | 40                | -60.94            | 47.23        | 54                        | -6.77  | 100         | Horz     |
| 2440.44  | 66.6          | PK       | 21.9              | 4.25              | 92.75        | -                         | -      | 101         | Vert     |
| PK - Peak detector   |               |          |                   |                   |              |                           |        |             |          |

### 4.2.6 Spurious, BT, 8PSK, Middle Channel, 1GHz – 25GHz

Figure 11 Radiated Emissions Graph X-Axis



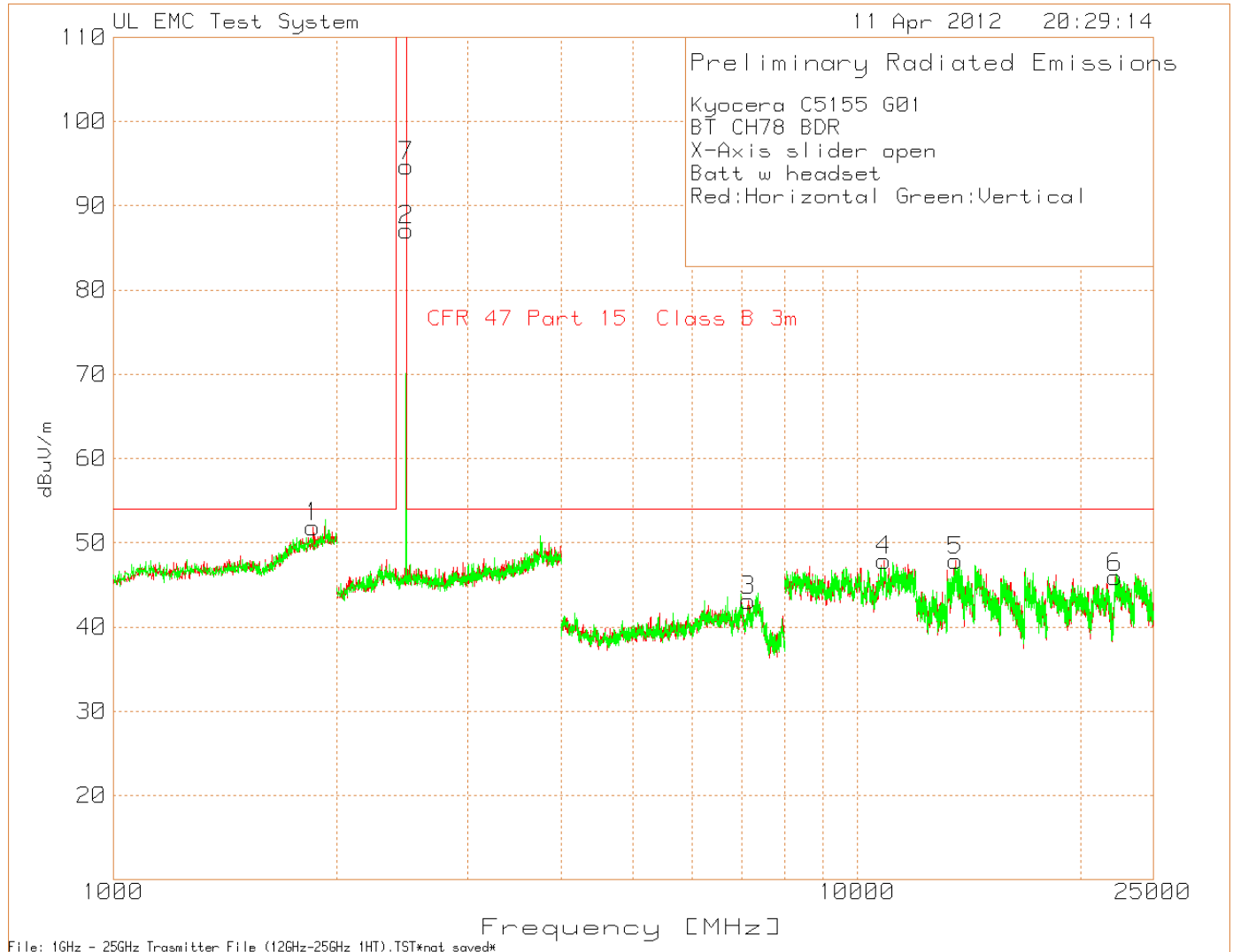
**Table 11 Radiated Emissions Data Points X-Axis**

| Kyocera C5155 G01<br>BT CH39 8PSK<br>X-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|--|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency   | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1905.812   | 19.96         | PK       | 27.4              | 3.71              | 51.07        | 54                        | -2.93  | 101         | Horz     |
| 2440.44  | 59.3          | PK       | 21.9              | 4.25              | 85.45        | -                         | -      | 100         | Horz     |
| 5198.132   | 61.81         | PK       | 28.3              | -50.96            | 39.15        | 54                        | -14.85 | 100         | Horz     |
| 8261.508   | 58            | PK       | 36.4              | -49.04            | 45.36        | 54                        | -8.64  | 100         | Horz     |
| 17294.12   | 45.61         | PK       | 40.2              | -41.49            | 44.32        | 54                        | -9.68  | 100         | Horz     |
| 22498.6  | 57.68         | PK       | 40.5              | -52.39            | 45.79        | 54                        | -8.21  | 100         | Horz     |
| 2440.44  | 66.81         | PK       | 21.9              | 4.25              | 92.96        | -                         | -      | 100         | Vert     |
| PK - Peak detector   |               |          |                   |                   |              |                           |        |             |          |



### 4.2.7 Spurious, BT, BDR, High Channel, 1GHz – 25GHz

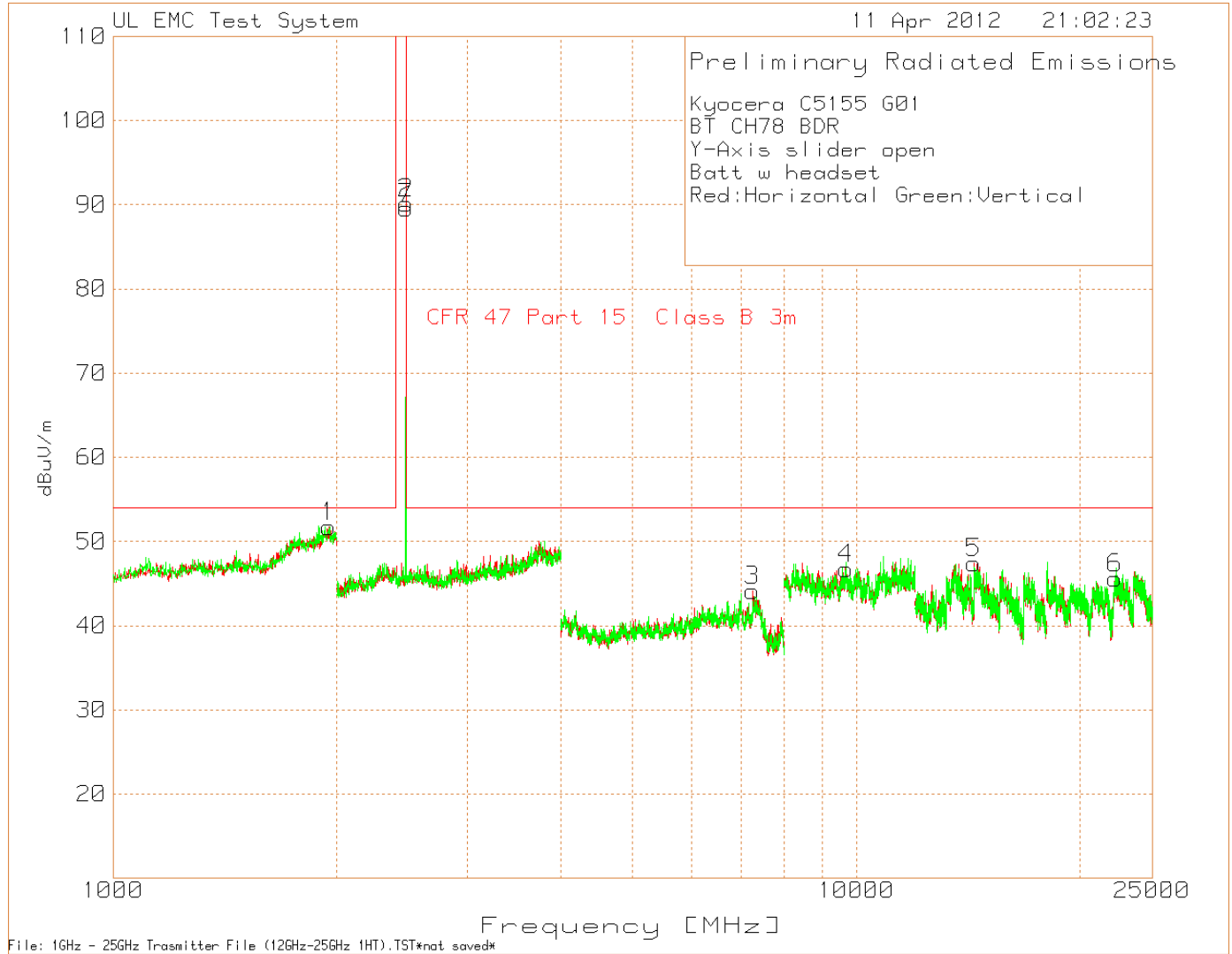
Figure 12 Radiated Emissions Graph X-Axis



**Table 12 Radiated Emissions Data Points X-Axis**

| Kyocera C5155 G01<br>BT CH78 BDR<br>X-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|---|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency  | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1855.711  | 20.86         | PK       | 27.2              | 3.79              | 51.85        | 54                        | -2.15  | 150         | Horz     |
| 2480.48   | 61.35         | PK       | 22                | 3.77              | 87.12        | -                         | -      | 100         | Horz     |
| 7146.097  | 60.33         | PK       | 29.6              | -46.81            | 43.12        | 54                        | -10.88 | 100         | Horz     |
| 10873.92  | 59            | PK       | 36.4              | -47.53            | 47.87        | 54                        | -6.13  | 150         | Horz     |
| 13558.22  | 48.84         | PK       | 39.8              | -40.81            | 47.83        | 54                        | -6.17  | 99          | Horz     |
| 22240.9   | 58.33         | PK       | 40.5              | -52.93            | 45.9         | 54                        | -8.1   | 99          | Horz     |
| 2478.478  | 68.89         | PK       | 22                | 3.77              | 94.66        | -                         | -      | 150         | Vert     |
| PK - Peak detector  |               |          |                   |                   |              |                           |        |             |          |

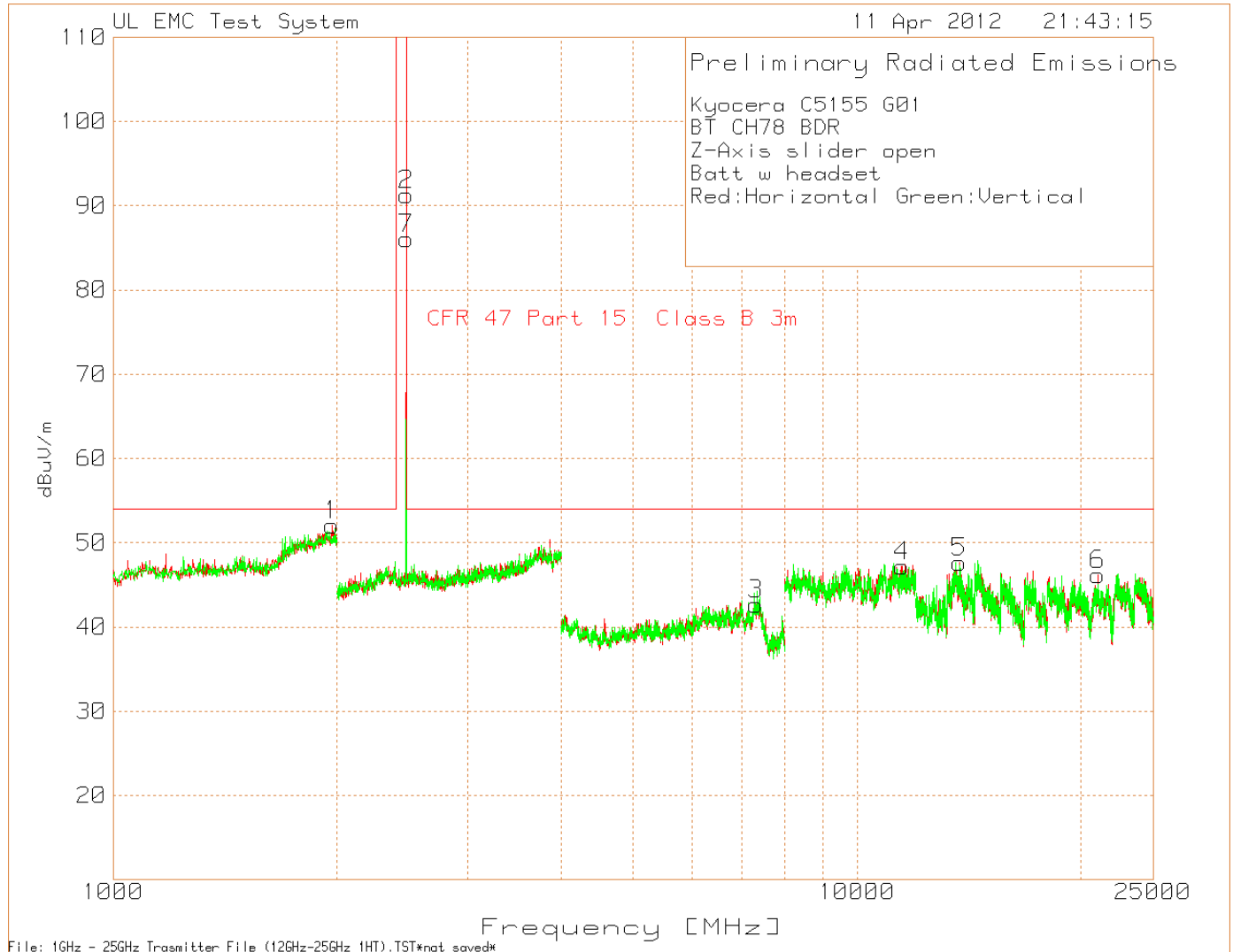
Figure 13 Radiated Emissions Graph Y-Axis



**Table 13 Radiated Emissions Data Points Y-Axis**

| Kyocera C5155 G01<br>BT CH78 BDR<br>Y-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|---|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency  | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1949.9  | 20.49         | PK       | 27.4              | 3.83              | 51.72        | 54                        | -2.28  | 101         | Horz     |
| 2480.48   | 64.39         | PK       | 22                | 3.77              | 90.16        | -                         | -      | 99          | Horz     |
| 7247.498  | 60.44         | PK       | 30.1              | -46.4             | 44.14        | 54                        | -9.86  | 99          | Horz     |
| 9689.126  | 59.13         | PK       | 36.4              | -48.77            | 46.76        | 54                        | -7.24  | 99          | Horz     |
| 14403.36  | 46.84         | PK       | 39.8              | -39.23            | 47.41        | 54                        | -6.59  | 100         | Horz     |
| 22299.72  | 57.87         | PK       | 40.5              | -52.74            | 45.63        | 54                        | -8.37  | 100         | Horz     |
| 2478.478  | 63.83         | PK       | 22                | 3.77              | 89.6         | -                         | -      | 150         | Vert     |
| PK - Peak detector  |               |          |                   |                   |              |                           |        |             |          |

Figure 14 Radiated Emissions Graph Z-Axis

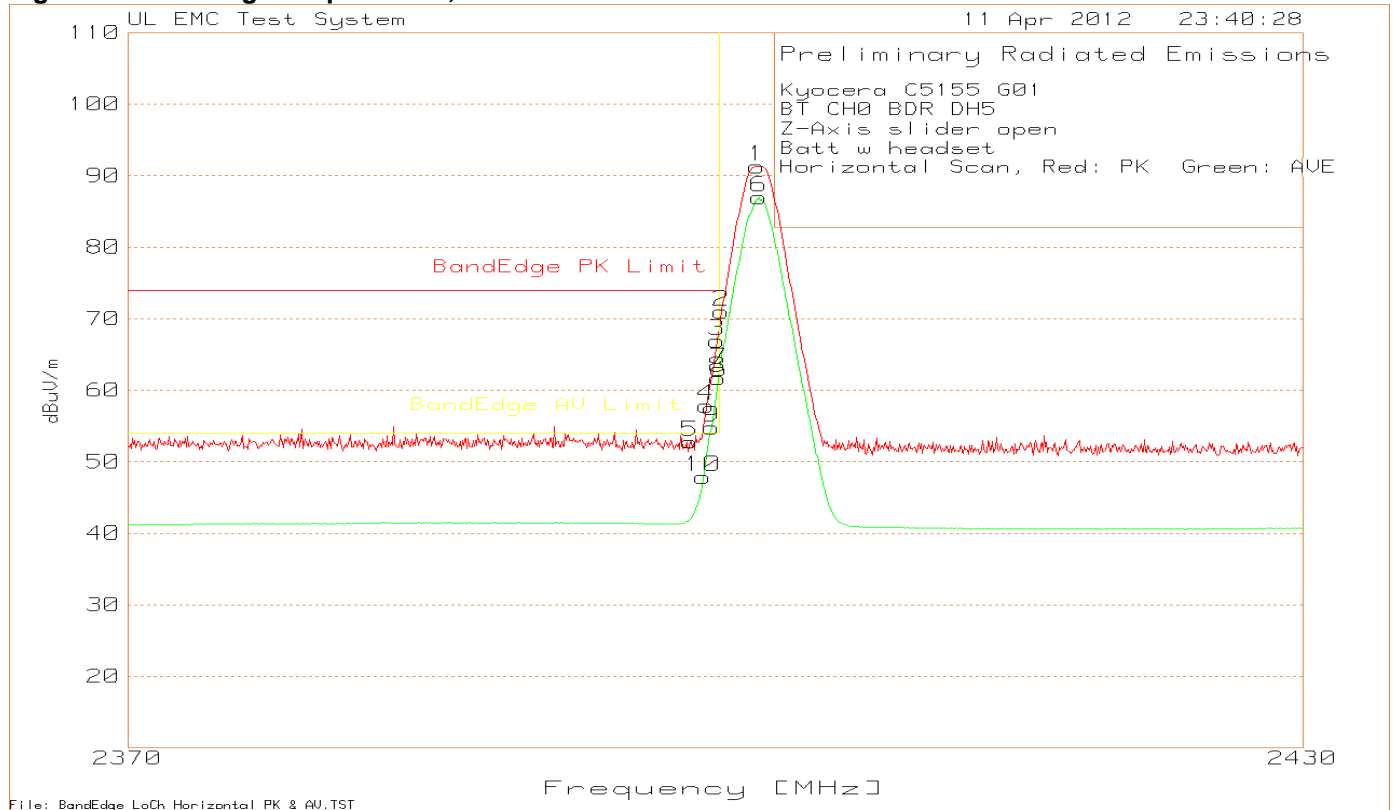


**Table 14 Radiated Emissions Data Points Z-Axis**

| Kyocera C5155 G01<br>BT CH78 BDR<br>Z-Axis slider open<br>Batt w headset<br>RED: Horizontal GRN: Vertical |               |          |                   |                   |              |                           |        |             |          |
|---|---------------|----------|-------------------|-------------------|--------------|---------------------------|--------|-------------|----------|
| Test Frequency  | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain dB | Level dBuV/m | CFR 47 Part 15 Class B 3m | Margin | Height [cm] | Polarity |
| 1971.944  | 20.75         | PK       | 27.5              | 3.81              | 52.06        | 54                        | -1.94  | 100         | Horz     |
| 2480.48   | 65.56         | PK       | 22                | 3.77              | 91.33        | -                         | -      | 100         | Horz     |
| 7316.878  | 58.4          | PK       | 30.6              | -46.28            | 42.72        | 54                        | -11.28 | 99          | Horz     |
| 11498.33  | 57.94         | PK       | 37.1              | -47.83            | 47.21        | 54                        | -6.79  | 150         | Horz     |
| 13750.3   | 47.94         | PK       | 39.9              | -40.16            | 47.68        | 54                        | -6.32  | 99          | Horz     |
| 21100.84  | 61.32         | PK       | 40.1              | -55.2             | 46.22        | 54                        | -7.78  | 99          | Horz     |
| 2480.48   | 60.31         | PK       | 22                | 3.77              | 86.08        | -                         | -      | 100         | Vert     |
| PK - Peak detector  |               |          |                   |                   |              |                           |        |             |          |

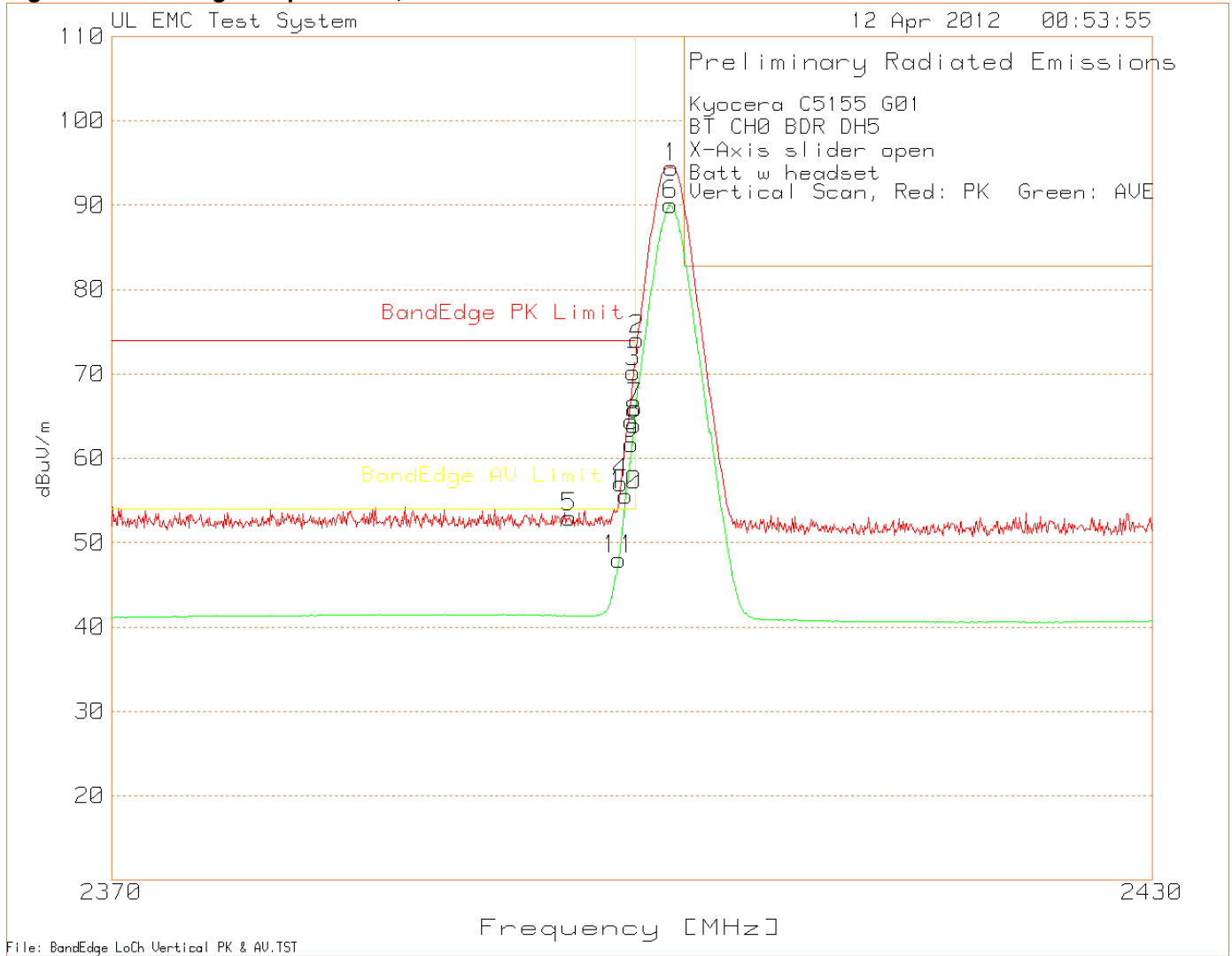
### 4.2.8 Band-edge, BT, BDR, Low Channel

Figure 15 Band-edge Graph Z-Axis, Horizontal



No Emissions were recorded in restricted band, see plot for data. Limit line stops at 2400MHz. Restricted Band ends 2390MHz

Figure 16 Band-edge Graph X-Axis, Vertical



No Emissions were recorded in restricted band, see plot for data. Limit line stops at 2400MHz. Restricted Band ends 2390MHz



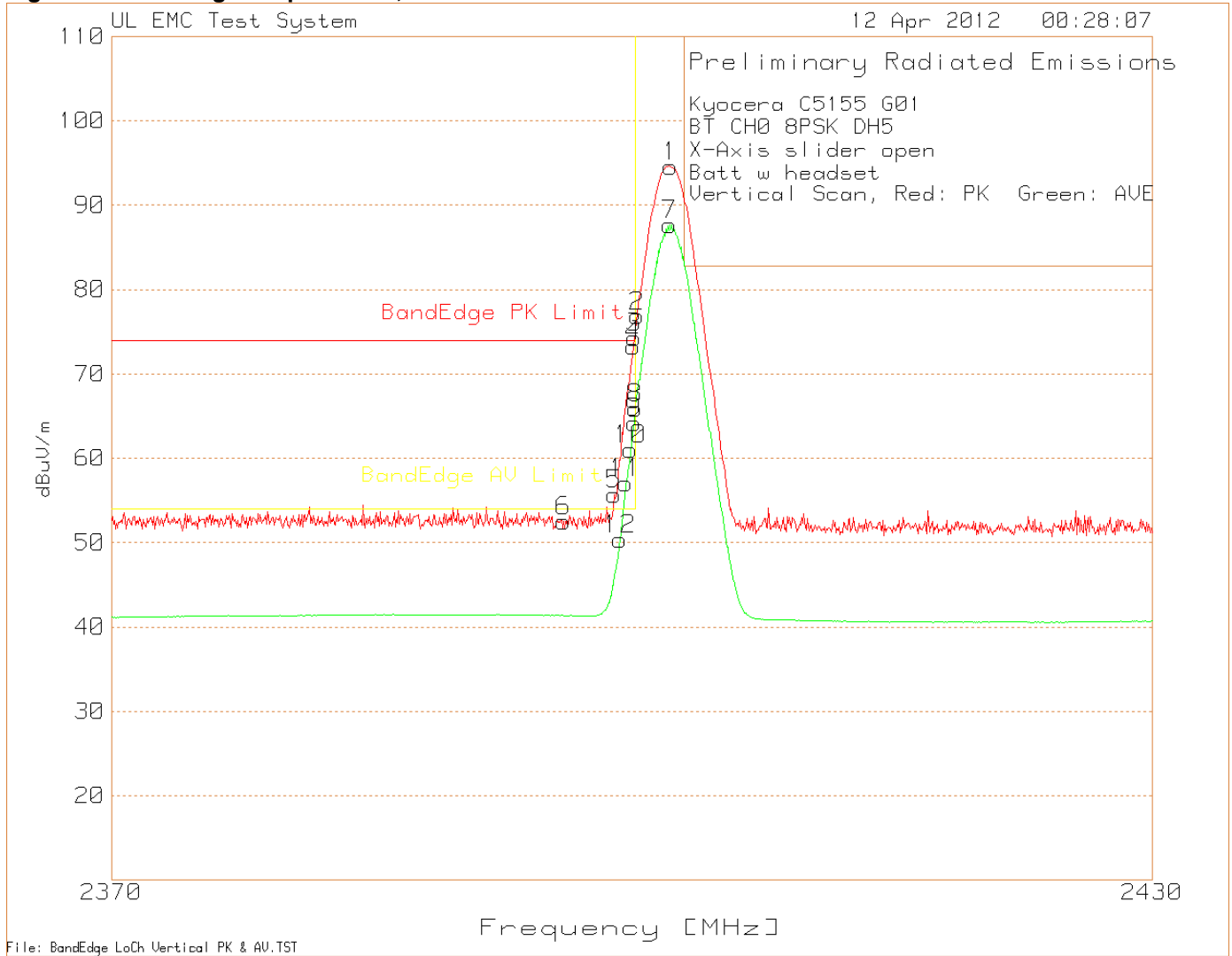
### 4.2.9 Band-edge, BT, 8PSK, Low Channel

Figure 17 Band-edge Graph Z-Axis, Horizontal



No Emissions were recorded in restricted band, see plot for data. Limit line stops at 2400MHz. Restricted Band ends 2390MHz

Figure 18 Band-edge Graph X-Axis, Vertical

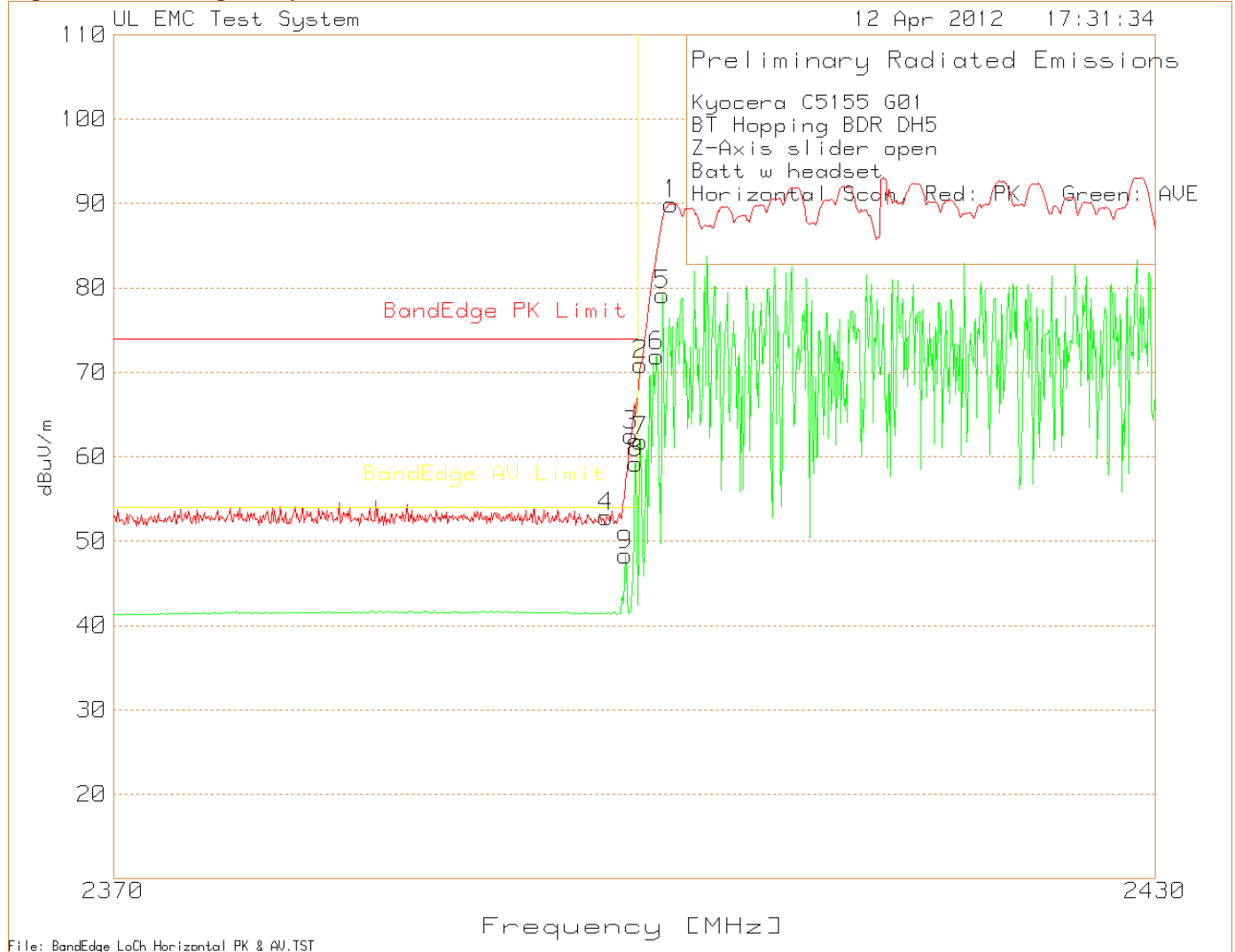


File: BandEdge LoCh Vertical PK & AUE.TST

No Emissions were recorded in restricted band, see plot for data. Limit line stops at 2400MHz. Restricted Band ends 2390MHz

### 4.2.10 Band-edge, BT, BDR, Hopping Channel

Figure 19 Band-edge Graph Z-Axis, Horizontal



File: BandEdge LoCh Horizontal PK & AU.TST

No Emissions were recorded in restricted band, see plot for data. Limit line stops at 2400MHz. Restricted Band ends 2390MHz

Figure 20 Band-edge Graph X-Axis, Vertical



No Emissions were recorded in restricted band, see plot for data. Limit line stops at 2400MHz. Restricted Band ends 2390MHz

### 4.2.11 Band-edge, BT, BDR, High Channel

Figure 21 Band-edge Graph Z-Axis, Horizontal

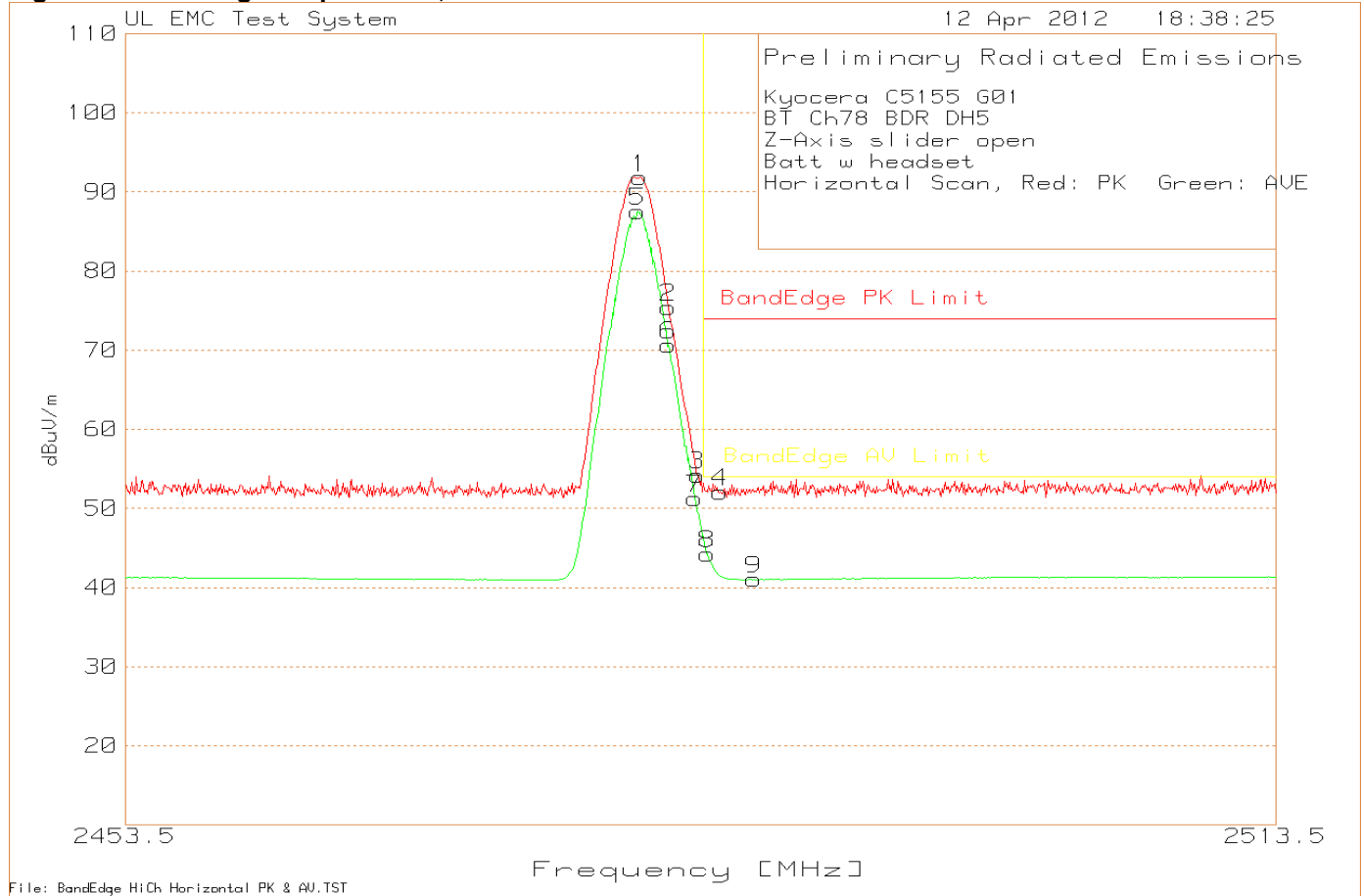


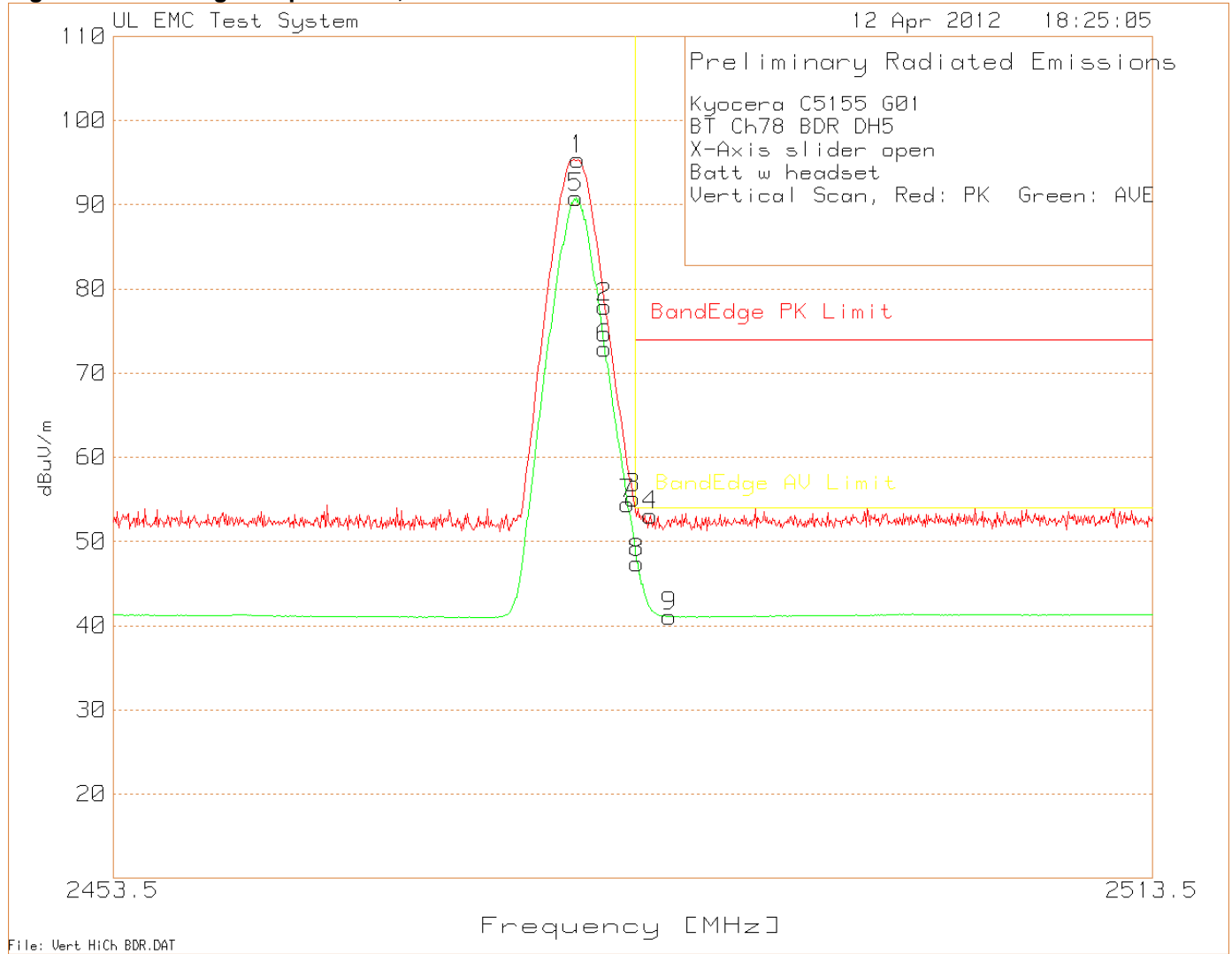
Table 15 Band-edge Data Z-Axis, Horizontal

Kyocera C5155 G01  
 BT Hopping BDR DH5  
 Z-Axis slider open  
 Batt w headset  
 Horizontal Scan, Red: PK Green: AVE

| Test Frequency | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain Factor dB | dBuV/m | BandEdge Limit | Margin | Height [cm] | Polarity |
|----------------|---------------|----------|-------------------|--------------------------|--------|----------------|--------|-------------|----------|
| 2485.152       | 27.12         | PK       | 22.1              | 3.77                     | 52.99  | 74             | -21.01 | 99          | Horz     |
| 2484.041       | 16.4          | AV       | 22.1              | 3.77                     | 42.27  | 54             | -11.73 | 100         | Horz     |
| 2485.392       | 15.16         | AV       | 22.1              | 3.77                     | 41.03  | 54             | -12.97 | 100         | Horz     |

PK - Peak detector  
 Av - Average detector

**Figure 22 Band-edge Graph X-Axis, Vertical**



**Table 16 Band-edge Data X-Axis, Vertical**

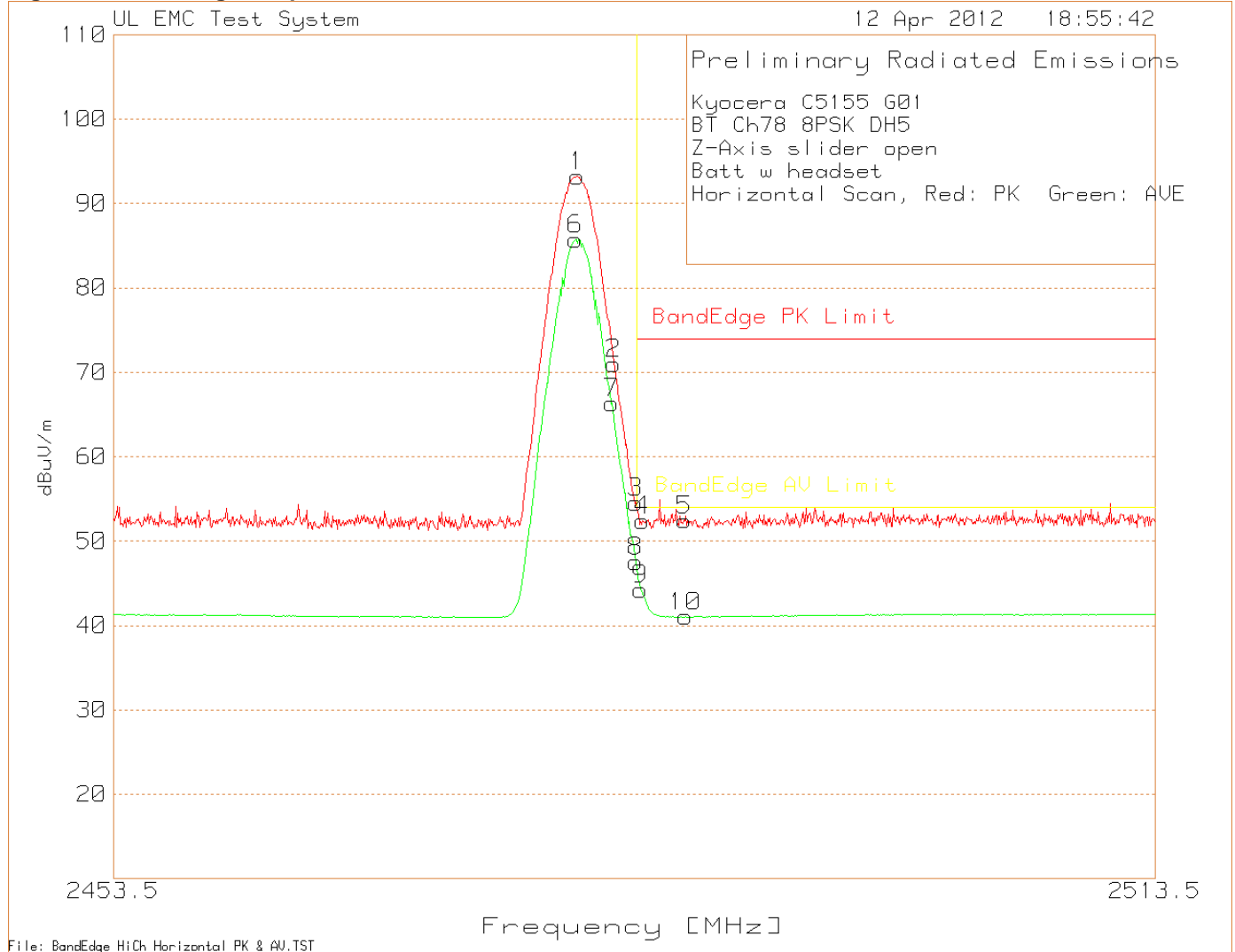
Kyocera C5155 G01  
 BT Ch78 BDR DH5  
 X-Axis slider open  
 Batt w headset  
 Vertical Scan, Red: PK Green: AVE

| Test Frequency | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain Factor dB | dBuV/m | BandEdge Limit | Margin | Height [cm] | Polarity |
|----------------|---------------|----------|-------------------|--------------------------|--------|----------------|--------|-------------|----------|
| 2484.371       | 27.26         | PK       | 22.1              | 3.77                     | 53.13  | 74             | -20.87 | 101         | Vert     |
| 2483.59        | 21.57         | AV       | 22.1              | 3.77                     | 47.44  | 54             | -6.56  | 150         | Vert     |
| 2485.452       | 15.22         | AV       | 22.1              | 3.77                     | 41.09  | 54             | -12.91 | 150         | Vert     |

PK - Peak detector  
 Av - Average detector

### 4.2.12 Band-edge, BT, 8PSK, High Channel

Figure 23 Band-edge Graph Z-Axis, Horizontal



File: BandEdge HiCh Horizontal PK & AV.TST

Table 17 Band-edge Data Z-Axis, Horizontal

Kyocera C5155 G01  
 BT Ch78 8PSK DH5  
 Z-Axis slider open  
 Batt w headset  
 Horizontal Scan, Red: PK Green: AVE

| Test Frequency | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain Factor dB | dBuV/m | BandEdge Limit | Margin | Height [cm] | Polarity |
|----------------|---------------|----------|-------------------|--------------------------|--------|----------------|--------|-------------|----------|
| 2483.83        | 26.55         | PK       | 22.1              | 3.77                     | 52.42  | 74             | -21.58 | 150         | Horz     |
| 2486.233       | 26.6          | PK       | 22.1              | 3.77                     | 52.47  | 74             | -21.53 | 150         | Horz     |
| 2483.71        | 18.37         | AV       | 22.1              | 3.77                     | 44.24  | 54             | -9.76  | 100         | Horz     |
| 2486.293       | 15.16         | AV       | 22.1              | 3.77                     | 41.03  | 54             | -12.97 | 150         | Horz     |

PK - Peak detector  
 Av - Average detector

**Figure 24 Band-edge Graph X-Axis, Vertical**



**Table 18 Band-edge Data X-Axis, Vertical**

Kyocera C5155 G01  
 BT Ch78 8PSK DH5  
 X-Axis slider open  
 Batt w headset  
 Vertical Scan, Red: PK Green: AVE

| Test Frequency | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain Factor dB | dBuV/m | BandEdge Limit | Margin | Height [cm] | Polarity |
|----------------|---------------|----------|-------------------|--------------------------|--------|----------------|--------|-------------|----------|
| 2484.131       | 27.35         | PK       | 22.1              | 3.77                     | 53.22  | 74             | -20.78 | 100         | Vert     |
| 2485.632       | 26.2          | PK       | 22.1              | 3.77                     | 52.07  | 74             | -21.93 | 150         | Vert     |
| 2483.65        | 20.89         | AV       | 22.1              | 3.77                     | 46.76  | 54             | -7.24  | 100         | Vert     |
| 2485.362       | 15.22         | AV       | 22.1              | 3.77                     | 41.09  | 54             | -12.91 | 100         | Vert     |

PK - Peak detector  
 Av - Average detector



### 4.2.13 Band-edge, BT, BDR, Hopping Channel

Figure 25 Band-edge Graph Z-Axis, Horizontal



File: BandEdge HiCh Horizontal PK & AV.TST

Table 19 Band-edge Data Z-Axis, Horizontal

Kyocera C5155 G01  
 BT Hopping BDR DH5  
 Z-Axis slider open  
 Batt w headset  
 Horizontal Scan, Red: PK Green: AVE

| Test Frequency | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain Factor dB | dBuV/m | BandEdge Limit | Margin | Height [cm] | Polarity |
|----------------|---------------|----------|-------------------|--------------------------|--------|----------------|--------|-------------|----------|
| 2485.152       | 27.12         | PK       | 22.1              | 3.77                     | 52.99  | 74             | -21.01 | 99          | Horz     |
| 2484.041       | 16.4          | PK       | 22.1              | 3.77                     | 42.27  | 54             | -11.73 | 100         | Horz     |
| 2485.392       | 15.16         | AV       | 22.1              | 3.77                     | 41.03  | 54             | -12.97 | 100         | Horz     |

PK - Peak detector  
 Av - Average detector

**Figure 26 Band-edge Graph X-Axis, Vertical**



**Table 20 Band-edge Data X-Axis, Vertical**

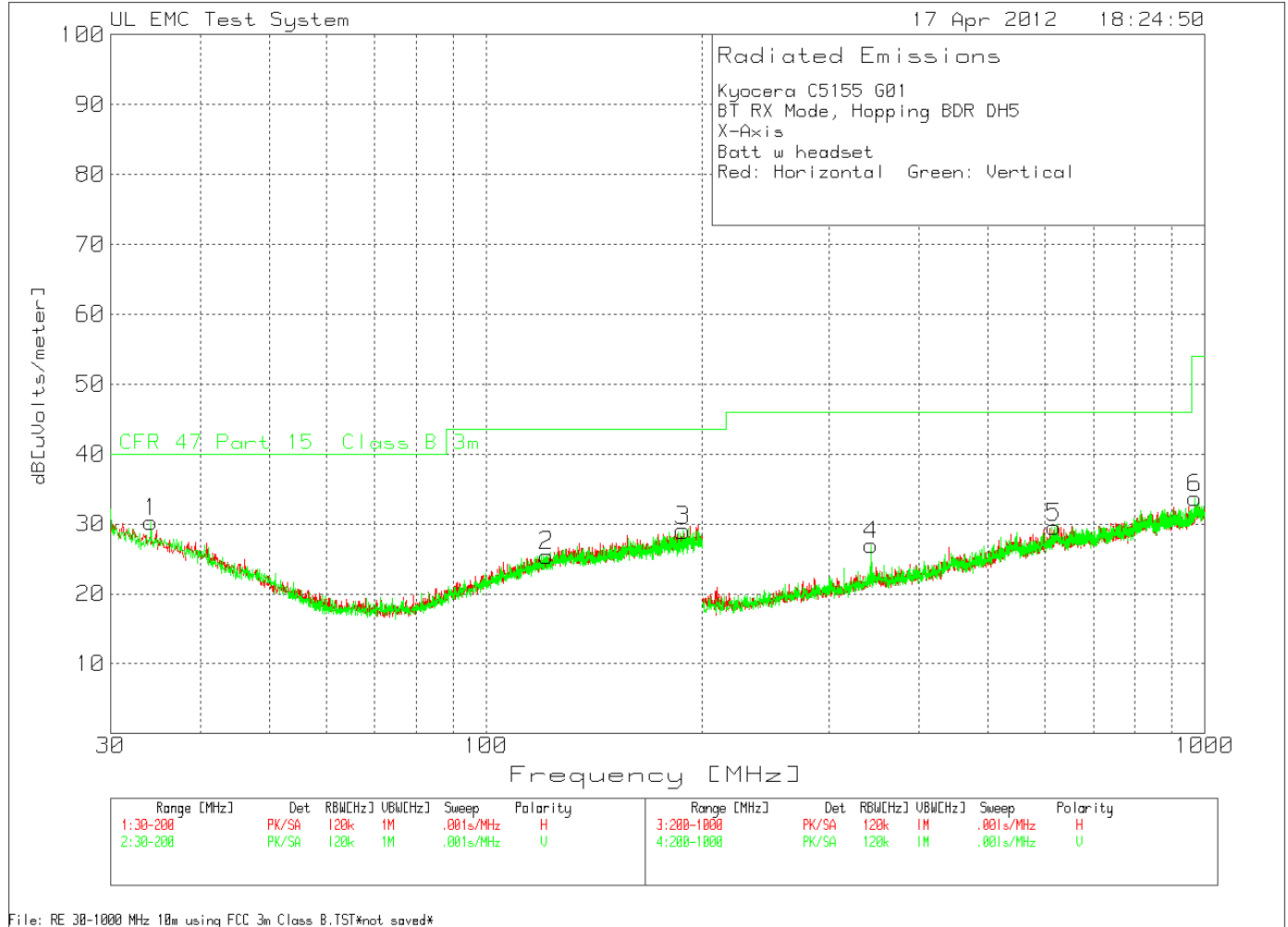
Kyocera C5155 G01  
 BT Hopping BDR DH5  
 X-Axis slider open  
 Batt w headset  
 Vertical Scan, Red: PK Green: AVE

| Test Frequency | Meter Reading | Detector | Antenna Factor dB | Path Loss/Gain Factor dB | dBuV/m | BandEdge Limit | Margin | Height [cm] | Polarity |
|----------------|---------------|----------|-------------------|--------------------------|--------|----------------|--------|-------------|----------|
| 2483.95        | 27.53         | PK       | 22.1              | 3.77                     | 53.4   | 74             | -20.6  | 100         | Vert     |
| 2485.812       | 26.7          | PK       | 22.1              | 3.77                     | 52.57  | 74             | -21.43 | 100         | Vert     |
| 2484.581       | 15.21         | AV       | 22.1              | 3.77                     | 41.08  | 54             | -12.92 | 102         | Vert     |
| 2487.194       | 15.2          | AV       | 22.1              | 3.77                     | 41.07  | 54             | -12.93 | 102         | Vert     |

PK - Peak detector  
 Av - Average detector

### 4.2.14 Receiver and Digital Radiated Emissions, Battery Mode, 30MHz – 1GHz

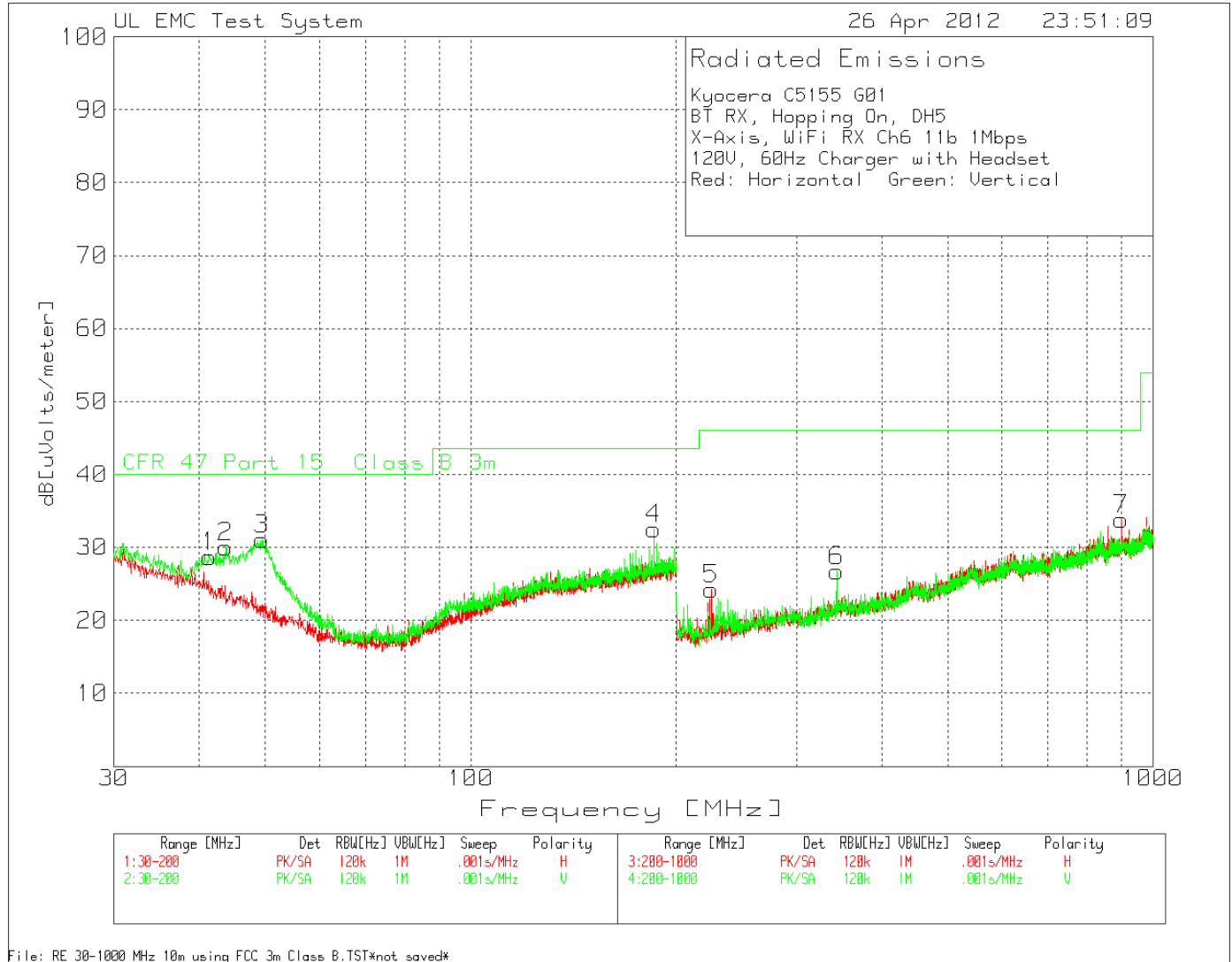
Figure 27 Radiated Emissions Graph



No Emissions found within 6dB to the limit

### 4.2.15 Receiver and Digital Radiated Emissions, Charging Mode, 30MHz – 1GHz

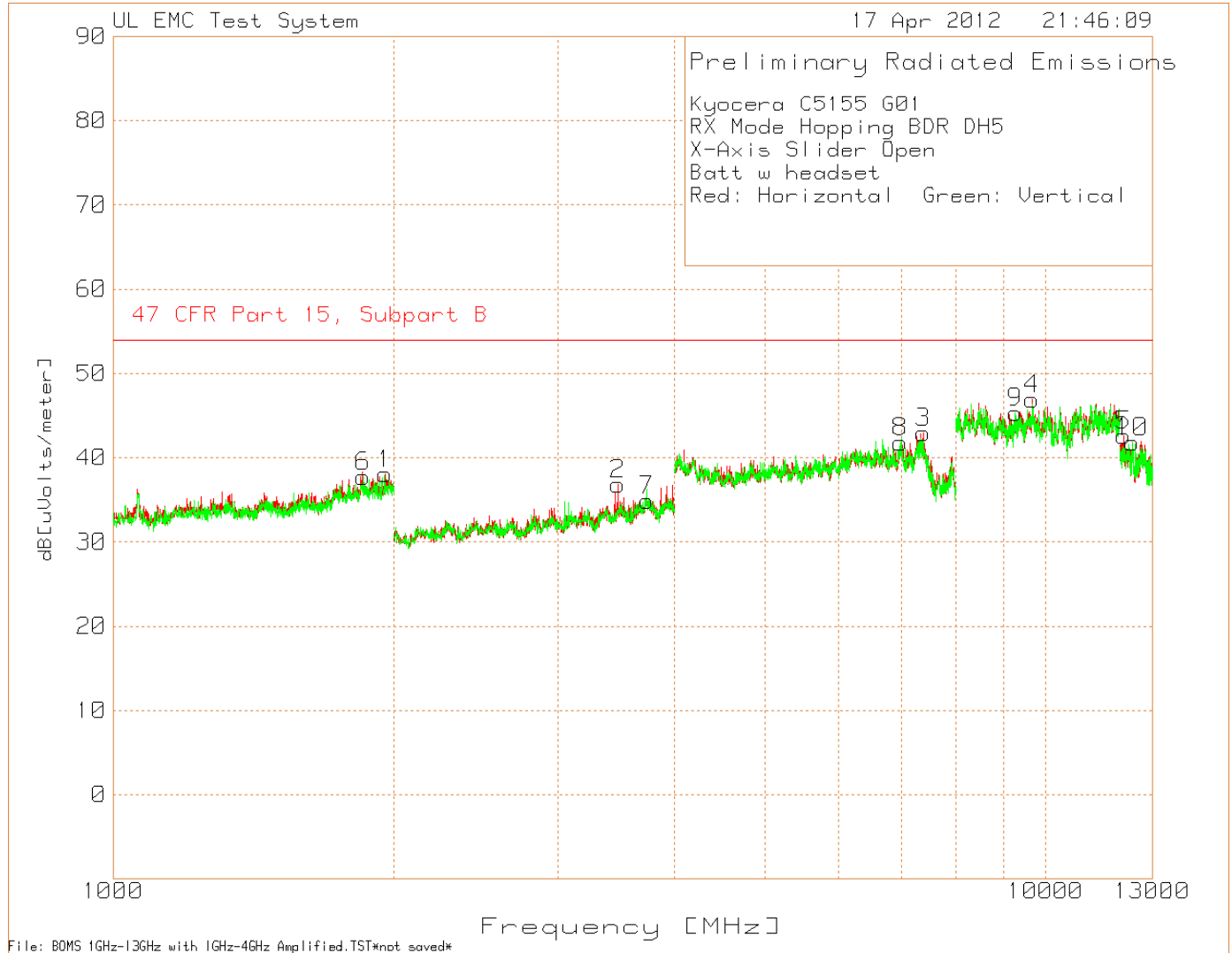
Figure 28 Radiated Emissions Graph



No Emissions found within 6dB to the limit

### 4.2.16 Receiver and Digital Radiated Emissions, Battery Mode, 1GHz – 13GHz

Figure 29 Radiated Emissions Graph



No Emissions detected above noise floor

FCC ID: V6C5155  
Model Number: C5155 G01  
Client Name: Kyocera Communications

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## **5 IMMUNITY TEST RESULTS**

Immunity tests are not required per the standard

## Appendix A

### Accreditations and Authorizations



NVLAP Lab code: 100414-0

NVLAP: The National Institute of Standards and Technology (NIST) administers the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP is comprised of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. Each LAP includes specific calibration and/or test standards and related methods and protocols assembled to satisfy the unique needs for accreditation in a field of testing or calibration. NVLAP accredits public and private laboratories based on evaluation of their technical qualifications and competence to carry out specific calibrations or tests. Accreditation criteria are established in accordance with the U.S. Code of Federal Regulations (CFR, Title 15, Part 285), NVLAP Procedures and General Requirements, and encompass the requirements of ISO/IEC 17025. For a full scope listing see <http://ts.nist.gov/standards/scopes/1004140.htm>



FCC: Details of the measurement facilities used for these tests have been filed with the Federal Communications Commission's Laboratory in Columbia, Maryland (Ref. No. 91044).



Industry Canada Industrie Canada

Industry of Canada: Accredited by Industry Canada for performance of radiated measurements. Our test site complies with RSP 100, Issue 7, Section 3.3. File #: IC 2180



VCCI: Accepted as an Associate Member to the VCCI. The measurement facilities detailed in this test report have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. Registration Nos.: Radiated Emissions R-621, Conducted Emissions C-642.



ICASA: ICASA (Independent Communications Authority of South Africa) has appointed UL as a Designated Test Laboratory to test Telecommunications equipment for type approval in compliance with CISPR 22 to assist in fulfilling its mandate under section 54(1) of the Telecommunications Act, 1996 (Act 103 of 1996).



NIST/CAB: Validated by the European Commission as a U.S. Conformity Assessment Body (CAB) of the U.S.-EU Mutual Recognition Agreement (MRA) for the Electromagnetic Compatibility - Council Directive 2004/108/EC, Annex III (2-3). Also validated for the Telecommunication Equipment-Council Directive 99/5/EC, Annex III and IV, Identification Number: 0983.

NIST/CAB: Provisioned to act as a U.S. Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the Asia Pacific Economic Cooperation (APEC) MRA between the American Institute in Taiwan (AIT) and the United States. Our laboratory is considered qualified to test equipment subject to the applicable EMC regulations of the Chinese Taipei Bureau of Standards, Metrology and Inspection (BSMI) which require testing to CNS 13438 (CISPR 22).

NIST/CAB: Recognized by the Infocomm Development Authority of Singapore (IDA) under the Asia Pacific Economic Cooperation Mutual Recognition Agreement (APEC MRA). Our laboratory is provisionally designated to act as a Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the APEC MRA. Our scope of designation includes IDA TS EMC (CISPR 22), IEC 61000-4-2, -4-3, -4-4, -4-5, and -4-6



