



# FCC Test Report

For

**Applicant Name:** TECNO MOBILE LIMITED  
**Address:** FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25  
SHAN MEI STREET FOTAN NT HONGKONG  
**EUT Name:** Laptop Computer  
**Brand Name:** TECNO  
**Model Number:** T15RA  
**Series Model Number:** Refer to section 2

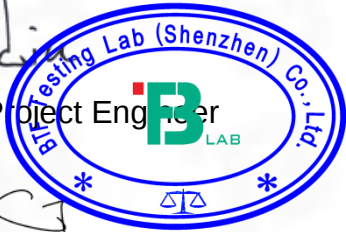
## Issued By

**Company Name:** BTF Testing Lab (Shenzhen) Co., Ltd.  
**Address:** F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,  
Tantou Community, Songgang Street, Bao'an District, Shenzhen,  
China

**Report Number:** BTF230918R00306  
**Test Standards:** 47 CFR Part 15, Subpart B  
**FCC ID:** 2ADYY-T15RA  
**Test Conclusion:** Pass  
**Test Date:** 2023-08-25 to 2023-09-22  
**Date of Issue:** 2023-09-22

**Prepared By:**

Chris Liu  
Chris Liu / Project Engineer  
2023-09-22



**Approved By:**

Ryan.CJ  
Ryan.CJ / EMC Manager  
2023-09-22

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| Revision History                                                                          |            |                   |
|-------------------------------------------------------------------------------------------|------------|-------------------|
| Version                                                                                   | Issue Date | Revisions Content |
| R_V0                                                                                      | 2023-09-22 | Original          |
|                                                                                           |            |                   |
| <i>Note: Once the revision has been made, then previous versions reports are invalid.</i> |            |                   |

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## 1 Introduction

### 1.1 Identification of Testing Laboratory

|               |                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Company Name: | BTF Testing Lab (Shenzhen) Co., Ltd.                                                                                                |
| Address:      | F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China |
| Phone Number: | +86-0755-23146130                                                                                                                   |
| Fax Number:   | +86-0755-23146130                                                                                                                   |

### 1.2 Identification of the Responsible Testing Location

|                          |                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Company Name:            | BTF Testing Lab (Shenzhen) Co., Ltd.                                                                                                |
| Address:                 | F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China |
| Phone Number:            | +86-0755-23146130                                                                                                                   |
| Fax Number:              | +86-0755-23146130                                                                                                                   |
| FCC Registration Number: | 518915                                                                                                                              |
| Designation Number:      | CN1330                                                                                                                              |

### 1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2 Product Information

### 2.1 Application Information

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| Company Name: | TECNO MOBILE LIMITED                                                                    |
| Address:      | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG |

### 2.2 Manufacturer Information

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| Company Name: | TECNO MOBILE LIMITED                                                                    |
| Address:      | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG |

### 2.3 Factory Information

|               |                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company Name: | GUANGXI SHANCHAUN TECHNOLOGY CO LTD                                                                                                                                                    |
| Address:      | The Second Floor of Plant C01, Plant C02, Plant C03 and Plant D03<br>Guangxi Sannuo Smart Industrial Park, No.3, Gaoke Road, Beihai Industrial Park, BEIHAI, 536000 Guangxi, P.R.China |

### 2.4 General Description of Equipment under Test (EUT)

|                      |                  |
|----------------------|------------------|
| EUT Name:            | Laptop Computer  |
| Test Model Number:   | T15RA            |
| Series Model Number: | N/A              |
| Software Version:    | Win 11 home      |
| Hardware Version:    | N156EAL01_MB_V11 |

### 2.5 Technical Information

|                |                                                                                                                                                                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply:  | Li-ion Battery: 156<br>Rated Voltage: 11.55V<br>Rated Capacity: 6060mAh/70Wh<br>Typical Capacity: 6160mAh/71.14Wh<br>Limited Charge Voltage: 13.2V                                                                                                                                      |
| Power Adaptor: | Adapter1:TCW-A61S-65W<br>Input: 100-240V~50/60Hz 1.5A Max<br>Output: PD: 5V---3A 9V---3A 12V---3A 15V---3A 20V---3.25A<br>PPS:3.3-11V---5A Max<br>Adapter2: DS65-2<br>Input: 100-240V~50/60Hz 1.5A Max<br>Output: 5.0V---3.0A 9.0V---3.0A 12.0V---3.0A 15.0V---3.0A 20.0V---3.25A 65.0W |

### 3 Summary of Test Results

#### 3.1 Test Standards

The tests were performed according to following standards:

**47 CFR Part 15, Subpart B:** Unintentional Radiators

#### 3.2 Uncertainty of Test

| Item                                | Measurement Uncertainty |
|-------------------------------------|-------------------------|
| Conducted Emission (150 kHz-30 MHz) | $\pm 2.64\text{dB}$     |
| All emissions, radiated (<1GHz)     | $\pm 4.12\text{dB}$     |

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

#### 3.3 Summary of Test Result

| Item                            | Standard                  | Requirement     | Result |
|---------------------------------|---------------------------|-----------------|--------|
| Conducted emissions on AC mains | 47 CFR Part 15, Subpart B | 15.107, Class B | Pass   |
| Radiated emissions (Below 1GHz) | 47 CFR Part 15, Subpart B | 15.109, Class B | Pass   |
| Radiated emissions (Above 1GHz) | 47 CFR Part 15, Subpart B | 15.109, Class B | Pass   |

## 4 Test Configuration

### 4.1 Test Equipment List

| Conducted emissions on AC mains |               |             |              |            |              |
|---------------------------------|---------------|-------------|--------------|------------|--------------|
| Equipment                       | Manufacturer  | Model No    | Inventory No | Cal Date   | Cal Due Date |
| Pulse Limiter                   | SCHWARZBECK   | VTSD 9561-F | 00953        | 2022-11-24 | 2023-11-23   |
| Coaxial Switcher                | SCHWARZBECK   | CX210       | CX210        | 2022-11-24 | 2023-11-23   |
| V-LISN                          | SCHWARZBECK   | NSLK 8127   | 01073        | 2022-11-24 | 2023-11-23   |
| LISN                            | AFJ           | LS16/110VAC | 16010020076  | 2023-02-23 | 2024-02-22   |
| EMI Receiver                    | ROHDE&SCHWARZ | ESCI3       | 101422       | 2022-11-24 | 2023-11-23   |

| Radiated emissions (Below 1GHz) |               |                 |              |            |              |
|---------------------------------|---------------|-----------------|--------------|------------|--------------|
| Equipment                       | Manufacturer  | Model No        | Inventory No | Cal Date   | Cal Due Date |
| Coaxial cable Multiflex 141     | Schwarzbeck   | N/SMA 0.5m      | 517386       | 2023-03-24 | 2024-03-23   |
| Preamplifier                    | SCHWARZBECK   | BBV9744         | 00246        | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent  | UF1-SMASMAM-10m | 21101566     | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent  | UF2-NMNM-10m    | 21101570     | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent  | UF1-SMASMAM-1m  | 21101568     | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent  | UF2-NMNM-1m     | 21101576     | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent  | UF2-NMNM-2.5m   | 21101573     | 2022-11-24 | 2023-11-23   |
| POSITIONAL CONTROLLER           | SKET          | PCI-GPIB        | /            | /          | /            |
| Horn Antenna                    | SCHWARZBECK   | BBHA9170        | 01157        | 2021-11-28 | 2023-11-27   |
| EMI TEST RECEIVER               | ROHDE&SCHWARZ | ESCI7           | 101032       | 2022-11-24 | 2023-11-23   |
| SIGNAL ANALYZER                 | ROHDE&SCHWARZ | FSQ40           | 100010       | 2022-11-24 | 2023-11-23   |
| POSITIONAL CONTROLLER           | SKET          | PCI-GPIB        | /            | /          | /            |
| Broadband Preamplifier          | SCHWARZBECK   | BBV9718D        | 00008        | 2023-03-24 | 2024-03-23   |
| Horn Antenna                    | SCHWARZBECK   | BBHA9120D       | 2597         | 2022-05-22 | 2024-05-21   |
| EZ EMC                          | Frad          | FA-03A2 RE+     | /            | /          | /            |
| POSITIONAL CONTROLLER           | SKET          | PCI-GPIB        | /            | /          | /            |
| Log periodic antenna            | SCHWARZBECK   | VULB 9168       | 01328        | 2021-11-28 | 2023-11-27   |

| Radiated emissions (Above 1GHz) |              |                 |              |            |              |
|---------------------------------|--------------|-----------------|--------------|------------|--------------|
| Equipment                       | Manufacturer | Model No        | Inventory No | Cal Date   | Cal Due Date |
| Coaxial cable Multiflex 141     | Schwarzbeck  | N/SMA 0.5m      | 517386       | 2023-03-24 | 2024-03-23   |
| Preamplifier                    | SCHWARZBECK  | BBV9744         | 00246        | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent | UF1-SMASMAM-10m | 21101566     | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent | UF2-NMNM-10m    | 21101570     | 2022-11-24 | 2023-11-23   |
| RE Cable                        | REBES Talent | UF2-NMNM-1m     | 21101576     | 2022-11-24 | 2023-11-23   |

|                           |                   |               |          |            |            |
|---------------------------|-------------------|---------------|----------|------------|------------|
| RE Cable                  | REBES Talent      | UF2-NMNM-2.5m | 21101573 | 2022-11-24 | 2023-11-23 |
| POSITIONAL<br>CONTROLLER  | SKET              | PCI-GPIB      | /        | /          | /          |
| Horn Antenna              | SCHWARZBECK       | BBHA9170      | 01157    | 2021-11-28 | 2023-11-27 |
| EMI TEST<br>RECEIVER      | ROHDE&SCHWA<br>RZ | ESCI7         | 101032   | 2022-11-24 | 2023-11-23 |
| SIGNAL ANALYZER           | ROHDE&SCHWA<br>RZ | FSQ40         | 100010   | 2022-11-24 | 2023-11-23 |
| POSITIONAL<br>CONTROLLER  | SKET              | PCI-GPIB      | /        | /          | /          |
| Broadband<br>Preamplifier | SCHWARZBECK       | BBV9718D      | 00008    | 2023-03-24 | 2024-03-23 |
| Horn Antenna              | SCHWARZBECK       | BBHA9120D     | 2597     | 2022-05-22 | 2024-05-21 |
| EZ EMC                    | Frad              | FA-03A2 RE+   | /        | /          | /          |
| POSITIONAL<br>CONTROLLER  | SKET              | PCI-GPIB      | /        | /          | /          |
| Log periodic antenna      | SCHWARZBECK       | VULB 9168     | 01328    | 2021-11-28 | 2023-11-27 |

## 4.2 Test Auxiliary Equipment

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

## 4.3 Test Modes

| Pretest Mode | Description                                 |
|--------------|---------------------------------------------|
| Mode 1       | Video Recording                             |
| Mode 2       | Video Playing                               |
| Mode 3       | Transferring with USB Disk (the worst case) |
| Mode 4       | TF Card Playing                             |

## 5 Emission Test Results (EMI)

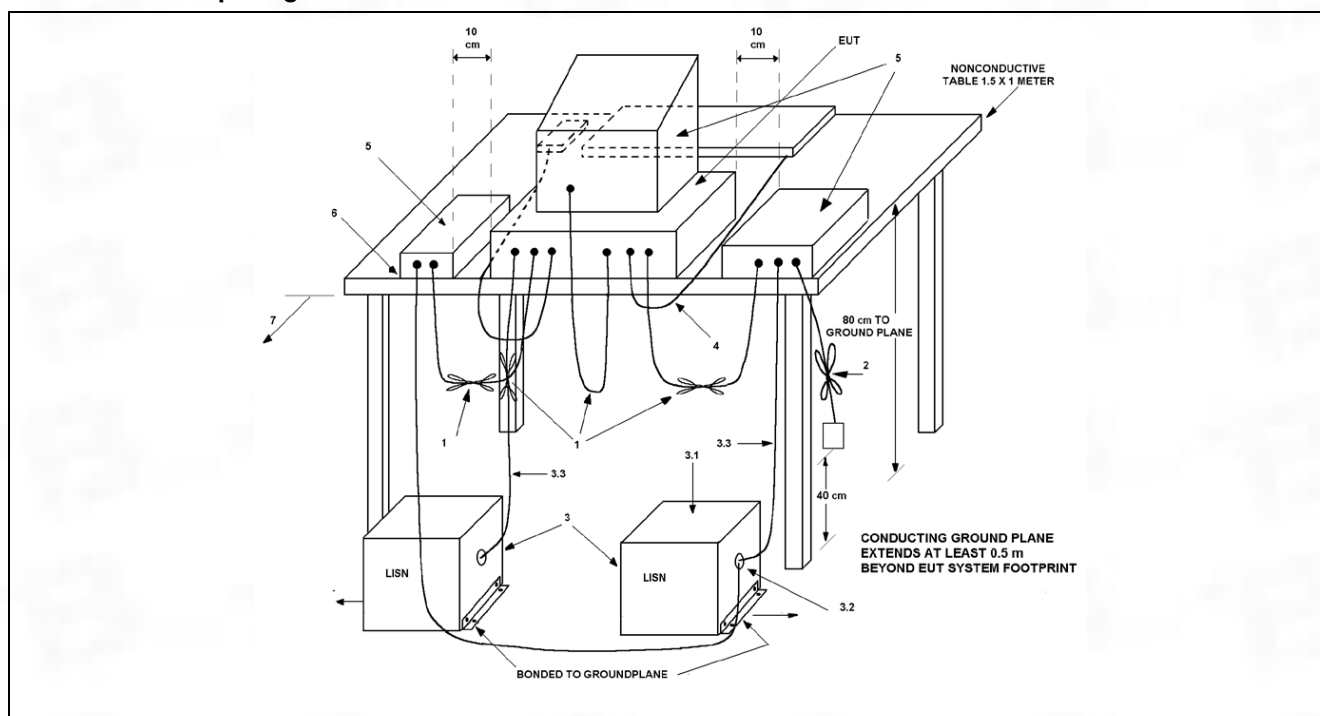
### 5.1 Conducted emissions on AC mains

|                   |                                                                                                                                                                                                                                        |                        |           |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|
| Test Requirement: | 15.107, Class B                                                                                                                                                                                                                        |                        |           |
| Test Method:      | ANSI C63.4                                                                                                                                                                                                                             |                        |           |
| Test Limit:       | Frequency of emission (MHz)                                                                                                                                                                                                            | Conducted limit (dBµV) |           |
|                   |                                                                                                                                                                                                                                        | Quasi-peak             | Average   |
|                   | 0.15-0.5                                                                                                                                                                                                                               | 66 to 56*              | 56 to 46* |
|                   | 0.5-5                                                                                                                                                                                                                                  | 56                     | 46        |
|                   | 5-30                                                                                                                                                                                                                                   | 60                     | 50        |
|                   | *Decreases with the logarithm of the frequency.                                                                                                                                                                                        |                        |           |
| Procedure:        | <p>An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.</p> <p>Remark: Level= Read Level+ Cable Loss+ LISN Factor</p> |                        |           |

### 5.1.1 E.U.T. Operation:

|                        |           |
|------------------------|-----------|
| Operating Environment: |           |
| Temperature:           | 24.1 °C   |
| Humidity:              | 48.7 %    |
| Atmospheric Pressure:  | 1010 mbar |

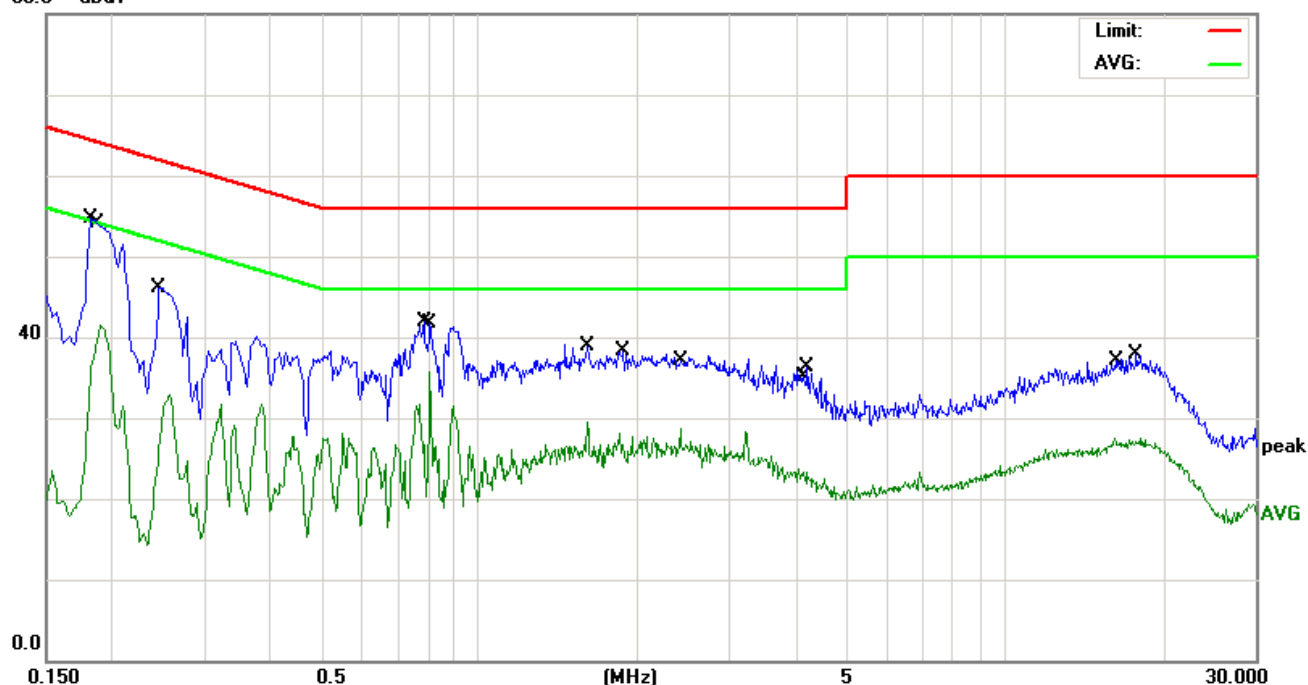
### 5.1.2 Test Setup Diagram:



### 5.1.3 Test Data:

TM1 / Line: Line Mode 3(the worst case)

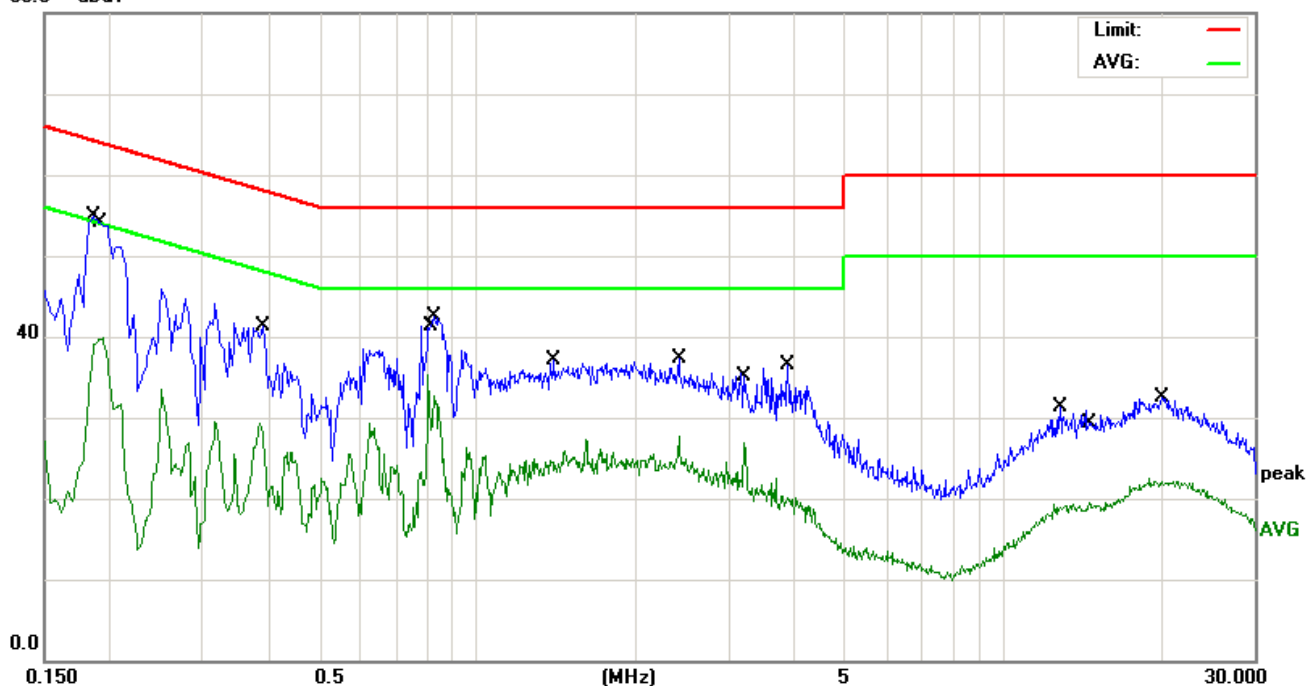
80.0 dBuV



| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Over   |          |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|
|     |     | MHz     | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector |
| 1   | *   | 0.1819  | 44.30         | 10.45          | 54.75       | 64.39 | -9.64  | QP       |
| 2   |     | 0.1900  | 30.97         | 10.45          | 41.42       | 54.03 | -12.61 | AVG      |
| 3   |     | 0.2460  | 35.65         | 10.46          | 46.11       | 61.89 | -15.78 | QP       |
| 4   |     | 0.7860  | 31.28         | 10.54          | 41.82       | 56.00 | -14.18 | QP       |
| 5   |     | 0.8059  | 25.10         | 10.54          | 35.64       | 46.00 | -10.36 | AVG      |
| 6   |     | 1.6100  | 18.86         | 10.65          | 29.51       | 46.00 | -16.49 | AVG      |
| 7   |     | 1.8820  | 27.60         | 10.69          | 38.29       | 56.00 | -17.71 | QP       |
| 8   |     | 2.4180  | 17.99         | 10.71          | 28.70       | 46.00 | -17.30 | AVG      |
| 9   |     | 4.1460  | 12.62         | 10.73          | 23.35       | 46.00 | -22.65 | AVG      |
| 10  |     | 4.2060  | 25.67         | 10.73          | 36.40       | 56.00 | -19.60 | QP       |
| 11  |     | 16.2139 | 16.34         | 11.16          | 27.50       | 50.00 | -22.50 | AVG      |
| 12  |     | 17.8420 | 26.83         | 11.11          | 37.94       | 60.00 | -22.06 | QP       |

TM1 / Line: Neutral

80.0 dBuV



| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measure-ment | Limit | Over   |          |
|-----|-----|---------|---------------|----------------|--------------|-------|--------|----------|
|     |     | MHz     | dBuV          | dB             | dBuV         | dBuV  | dB     | Detector |
| 1   | *   | 0.1860  | 44.38         | 10.45          | 54.83        | 64.21 | -9.38  | QP       |
| 2   |     | 0.1940  | 29.40         | 10.45          | 39.85        | 53.86 | -14.01 | AVG      |
| 3   |     | 0.3860  | 18.75         | 10.49          | 29.24        | 48.15 | -18.91 | AVG      |
| 4   |     | 0.8059  | 24.74         | 10.54          | 35.28        | 46.00 | -10.72 | AVG      |
| 5   |     | 0.8300  | 31.93         | 10.54          | 42.47        | 56.00 | -13.53 | QP       |
| 6   |     | 1.4020  | 26.40         | 10.61          | 37.01        | 56.00 | -18.99 | QP       |
| 7   |     | 2.4180  | 17.01         | 10.71          | 27.72        | 46.00 | -18.28 | AVG      |
| 8   |     | 3.2220  | 16.21         | 10.72          | 26.93        | 46.00 | -19.07 | AVG      |
| 9   |     | 3.8980  | 25.83         | 10.73          | 36.56        | 56.00 | -19.44 | QP       |
| 10  |     | 12.8060 | 20.31         | 11.04          | 31.35        | 60.00 | -28.65 | QP       |
| 11  |     | 14.5540 | 8.38          | 11.17          | 19.55        | 50.00 | -30.45 | AVG      |
| 12  |     | 19.9580 | 21.42         | 11.05          | 32.47        | 60.00 | -27.53 | QP       |

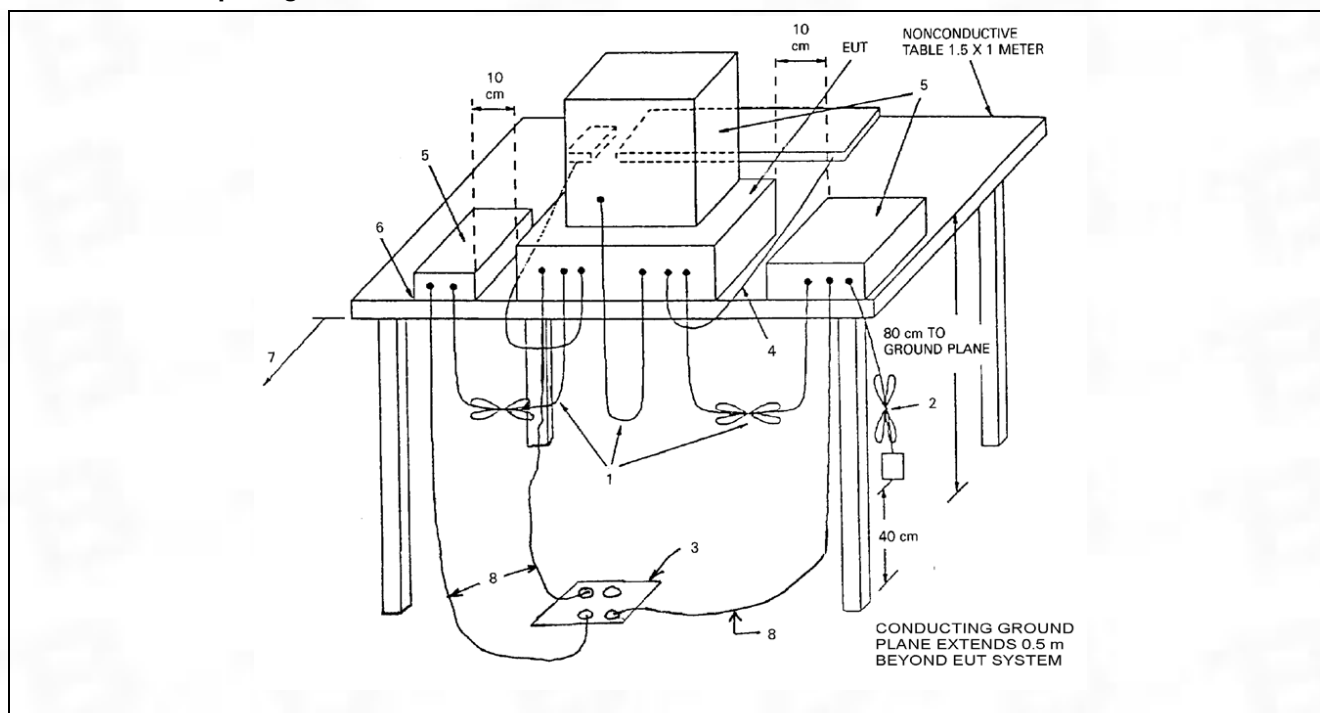
## 5.2 Radiated emissions (Below 1GHz)

|                   |                                                                                                                                                                                                                                                                                                                                       |                    |          |                     |          |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|---------------------|----------|
| Test Requirement: | 15.109, Class B                                                                                                                                                                                                                                                                                                                       |                    |          |                     |          |
| Test Method:      | ANSI C63.4                                                                                                                                                                                                                                                                                                                            |                    |          |                     |          |
| Test Limit:       | Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:                                                                                                                                                            |                    |          |                     |          |
|                   | Frequency of emission (MHz)                                                                                                                                                                                                                                                                                                           | Field strength @3m |          | Field strength @10m |          |
|                   |                                                                                                                                                                                                                                                                                                                                       | (uV/m)             | (dBuV/m) | (uV/m)              | (dBuV/m) |
|                   | 30 – 88                                                                                                                                                                                                                                                                                                                               | 100                | 40       | 30                  | 29.5     |
|                   | 88 – 216                                                                                                                                                                                                                                                                                                                              | 150                | 43.5     | 45                  | 33.1     |
|                   | 216 – 960                                                                                                                                                                                                                                                                                                                             | 200                | 46       | 60                  | 35.6     |
|                   | Above 960                                                                                                                                                                                                                                                                                                                             | 500                | 54       | 150                 | 43.5     |
| Procedure:        | <p>An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.</p> <p>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p> |                    |          |                     |          |

### 5.2.1 E.U.T. Operation:

|                        |           |
|------------------------|-----------|
| Operating Environment: |           |
| Temperature:           | 24.1 °C   |
| Humidity:              | 48.7 %    |
| Atmospheric Pressure:  | 1010 mbar |

### 5.2.2 Test Setup Diagram:



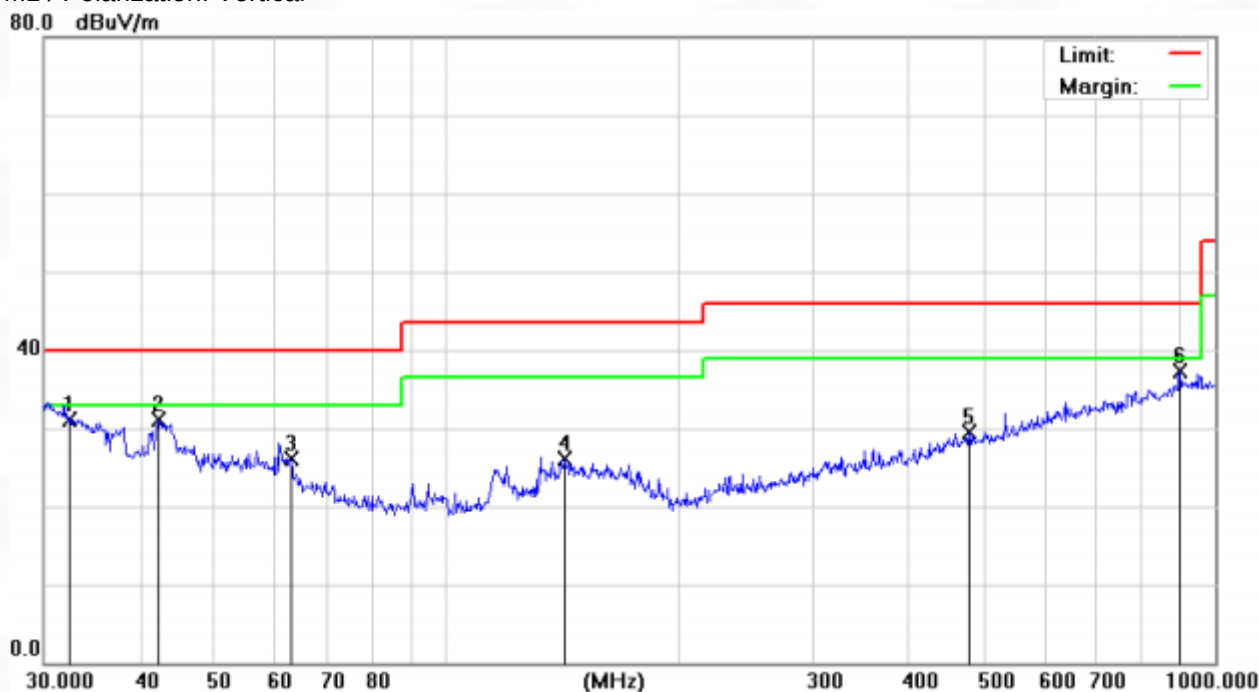
### 5.2.3 Test Data:

TM1 / Polarization: Horizontal



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   |          |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector |
|     |     |          | dBuV    | dB      | dBuV/m   | dBuV/m | dB     |          |
| 1   | *   | 30.0000  | 29.85   | 2.19    | 32.04    | 40.00  | -7.96  | QP       |
| 2   |     | 57.9993  | 25.97   | 2.03    | 28.00    | 40.00  | -12.00 | QP       |
| 3   |     | 115.3205 | 26.35   | 0.89    | 27.24    | 43.50  | -16.26 | QP       |
| 4   |     | 312.1794 | 31.37   | 2.57    | 33.94    | 46.00  | -12.06 | QP       |
| 5   |     | 533.8321 | 26.53   | 6.90    | 33.43    | 46.00  | -12.57 | QP       |
| 6   |     | 958.7943 | 21.57   | 15.18   | 36.75    | 46.00  | -9.25  | QP       |

TM1 / Polarization: Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector |
| 1   |     | 32.4059  | 47.70         | -16.58         | 31.12        | 40.00  | -8.88  | QP       |
| 2   |     | 42.3022  | 47.63         | -16.52         | 31.11        | 40.00  | -8.89  | QP       |
| 3   |     | 62.8708  | 42.82         | -16.65         | 26.17        | 40.00  | -13.83 | QP       |
| 4   |     | 142.8243 | 43.05         | -16.86         | 26.19        | 43.50  | -17.31 | QP       |
| 5   |     | 478.8456 | 46.65         | -17.21         | 29.44        | 46.00  | -16.56 | QP       |
| 6   | *   | 900.1474 | 51.92         | -14.67         | 37.25        | 46.00  | -8.75  | QP       |

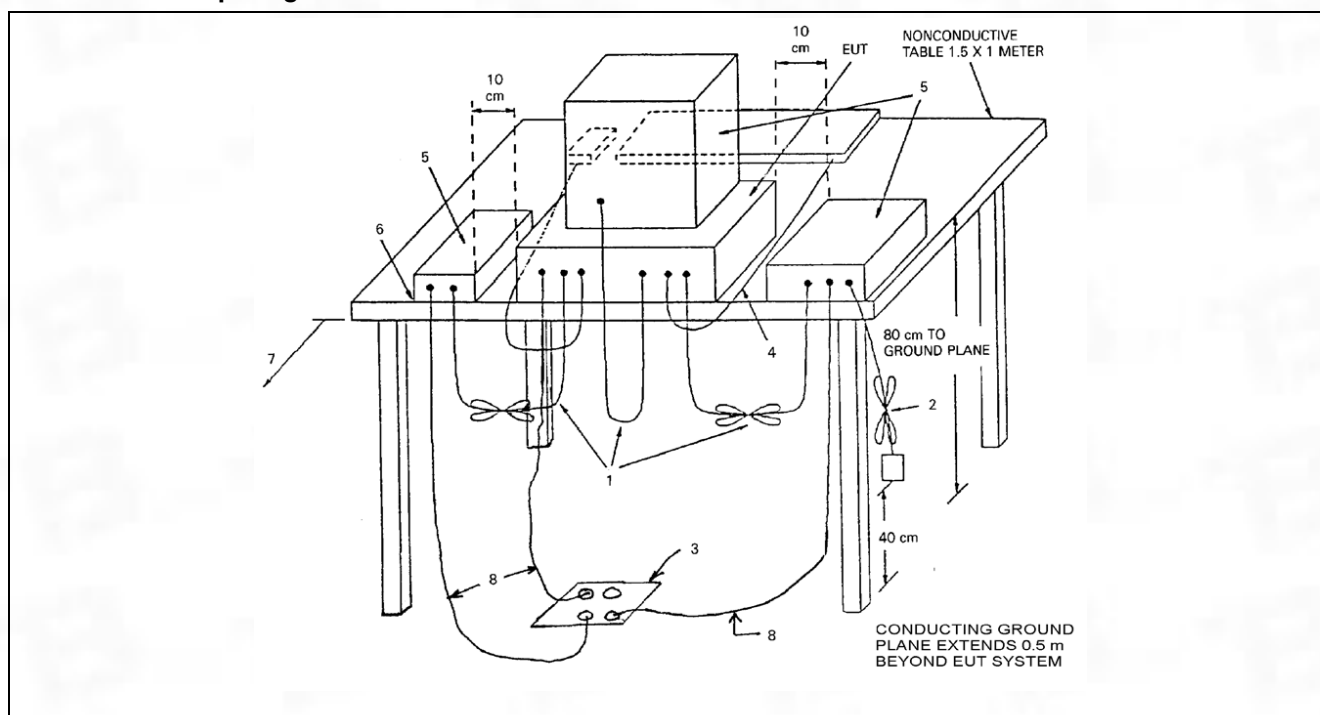
### 5.3 Radiated emissions (Above 1GHz)

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                  |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| Test Requirement: | 15.109, Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                  |
| Test Method:      | ANSI C63.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                  |
| Test Limit:       | Frequency of emission (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Field strength @3m |                  |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Average (uV/m)     | Average (dBuV/m) |
|                   | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500                | 54               |
| Procedure:        | <p>An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. For below 1GHz test, Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. For above 1GHz test, Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.</p> <p>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p> |                    |                  |

#### 5.3.1 E.U.T. Operation:

|                        |           |
|------------------------|-----------|
| Operating Environment: |           |
| Temperature:           | 22.2 °C   |
| Humidity:              | 54.7 %    |
| Atmospheric Pressure:  | 1010 mbar |

#### 5.3.2 Test Setup Diagram:



## 5.3.3 Test Data:

**TEST RESULTS**

Above 1GHz(1~6GHz) :( Mode 3—worst case)

| Freq.<br>(MHz) | Ant.Pol. | Emission Level(dBuV) |       | Limit 3m(dBuV/m) |    | Over(dB) |        |
|----------------|----------|----------------------|-------|------------------|----|----------|--------|
|                | H/V      | PK                   | AV    | PK               | AV | PK       | AV     |
| 1552.35        | V        | 60.90                | 41.36 | 74               | 54 | -13.10   | -12.64 |
| 2399.95        | V        | 59.77                | 40.42 | 74               | 54 | -14.23   | -13.58 |
| 1614.23        | H        | 59.31                | 39.56 | 74               | 54 | -14.69   | -14.44 |
| 2333.72        | H        | 59.50                | 40.50 | 74               | 54 | -14.50   | -13.50 |

## Remark:

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Freq.= Emission frequency in MHz

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.



Test Report Number: BTF230918R00306



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**-- END OF REPORT --**