



## TEST REPORT

**Application No:** ZR/2020/90032  
**Applicant:** Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd  
**Address of Applicant:** Floor 21, Block A, Coolpad Building, Intersection of Keyuan Avenue and Baoshen Road, North High-Tech Industrial Park, Nanshan District, Shenzhen  
**Manufacturer:** Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd  
**Address of Manufacturer:** Floor 21, Block A, Coolpad Building, Intersection of Keyuan Avenue and Baoshen Road, North High-Tech Industrial Park, Nanshan District, Shenzhen  
**EUT Description:** Mobile Hotspot  
**Model No.:** CP337AS  
**Trade Mark:** coolpad  
**FCC ID:** R38YLCP337AS  
**Standard(s) :** 47 CFR Part 15, Subpart B  
**Date of Receipt:** 2020/10/8  
**Date of Test:** 2020/10/21 to 2020/12/31  
**Date of Issue:** 2021/1/5

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Derek Yang

Wireless Laboratory Manager

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**SGS-CSTC STANDARDS TECHNICAL SERVICES  
(XI 'AN) CO., LTD.**

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| <i>Revision Record</i> |                |             |                 |               |
|------------------------|----------------|-------------|-----------------|---------------|
| <i>Version</i>         | <i>Chapter</i> | <i>Date</i> | <i>Modifier</i> | <i>Remark</i> |
| 01                     |                | 2021/1/5    |                 | Original      |
|                        |                |             |                 |               |
|                        |                |             |                 |               |

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## Test Summary

| Emission Part                                         |                           |                 |             |        |
|-------------------------------------------------------|---------------------------|-----------------|-------------|--------|
| Item                                                  | Standard                  | Method          | Requirement | Result |
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B     | Pass   |
| Radiated Emissions (30MHz-1GHz)                       | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B     | Pass   |
| Radiated Emissions (above 1GHz)                       | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B     | Pass   |

| Internal Source    | Upper Frequency                                                    |
|--------------------|--------------------------------------------------------------------|
| Below 1.705MHz     | 30MHz                                                              |
| 1.705MHz to 108MHz | 1GHz                                                               |
| 108MHz to 500MHz   | 2GHz                                                               |
| 500MHz to 1GHz     | 5GHz                                                               |
| Above 1GHz         | 5th harmonic of the highest frequency or 40GHz, whichever is lower |

Checked By

*David Chen*

David Chen  
Reviewer

Test By

*Daniel Wang*

Daniel Wang  
Project Engineer

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## 1 General Information

|                   |                            |           |           |
|-------------------|----------------------------|-----------|-----------|
| Product Name:     | Mobile Hotspot             |           |           |
| Model No.(EUT):   | CP337AS                    |           |           |
| Trade Mark:       | coolpad                    |           |           |
| Hardware Version: | P3                         |           |           |
| Software Version: | 3.18.054.P3.201216.CP337AS |           |           |
| Frequency Bands:  | Band                       | Tx (MHz)  | Rx (MHz)  |
|                   | WCDMA Band II              | 1850~1910 | 1930~1990 |
|                   | WCDMA Band IV              | 1710~1755 | 2110~2155 |
|                   | WCDMA Band V               | 824~849   | 869~894   |
|                   | LTE Band 2                 | 1850~1910 | 1930~1990 |
|                   | LTE Band 5                 | 824~849   | 869~894   |
|                   | LTE Band 12                | 699~716   | 729~746   |
|                   | LTE Band 13                | 777~787   | 746~756   |
|                   | LTE Band 14                | 788~798   | 746~756   |
|                   | LTE Band 25                | 1850~1915 | 1930~1995 |
|                   | LTE Band 26                | 814~849   | 859~894   |
|                   | LTE Band 41                | 2496~2690 | 2496~2690 |
|                   | LTE Band 66                | 1710~1780 | 2110~2200 |
|                   | LTE Band 71                | 663~698   | 617~652   |
|                   | LTE Band CA_41C            | 2496-2690 | 2496-2690 |
|                   | Wi-Fi 2.4G                 | 2412~2472 | 2412~2472 |
|                   | Wi-Fi 5G                   | 5150~5850 | 5150~5850 |

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# SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.

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## Accessory:

| Battery       |                                                  |            |                                                                |
|---------------|--------------------------------------------------|------------|----------------------------------------------------------------|
| Battery1      | Jiade Energy                                     | CPLD-440   | 3.87V; 3920mAh                                                 |
| Battery2      | Ganfeng                                          | CPLD-440   | 3.87V; 3920mAh                                                 |
| Adapter       |                                                  |            |                                                                |
| Adapter1 (US) | SHENZHEN RUIDE ELECTRONIC INDUSTRIAL CO.,LTD     | Q3W18-1U-A | Input:100-240V~50/60Hz,0.5A MAX<br>Output:5V/3A,9V/2A,12V/1.5A |
| Adapter2 (US) | SHENZHEN KOSUN INDUSTRIAL CO., LTD.              | 619043     | Input:100-240V~50/60Hz,0.5A MAX<br>Output:5V/3A,9V/2A,12V/1.5A |
| USB cable     |                                                  |            |                                                                |
| USB cable1    | Leagtech Electrincs Co.,LTD                      | LS-KP002   | /                                                              |
| USB cable2    | Shenzhen Saibao Communication industrial Co.,Ltd | SYL-A147A  |                                                                |

## EUT1: Main Supply EUT

| Part Name | Model Name              | supplier | Remark |
|-----------|-------------------------|----------|--------|
| Battery   | CPLD-440                | Jiade    |        |
| Memory    | FS702B2R1DH2A2KDE       | FORESEE  |        |
| PCB       | CP337AS MAINBOARD P3-ZH | Zhihao   |        |

## EUT2: Secondary Supply EUT

| Part Name | Model Name                  | supplier | Remark |
|-----------|-----------------------------|----------|--------|
| Battery   | CPLD-440                    | Ganfeng  |        |
| Memory    | NM1282KSLAXAL-3B            | Nanya    |        |
| PCB       | CP337AS MAINBOARD P3_SUNTAK | Suntak   |        |

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## 1.1 Description of Support Units

| Description | Manufacturer | Model No. | Serial No.       |
|-------------|--------------|-----------|------------------|
| Laptop      | Lenovo       | T430u     | REF. No.SEA1800  |
| Mouse       | Lenovo       | M-U0025-O | REF. No.:SEA2400 |
| Router      | NETGEAR      | DGN2200   | REF. No.SEA2200  |

## 1.2 Test Location

All tests were performed at:

|            |                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company:   | SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.                                                                                              |
| Address:   | Single floor D, building 1, Kanghong orange square science and technology park, No.137 keyuan 3rd road, fengdong new town, Xi 'an city, Shaanxi China |
| Post code: | 710000                                                                                                                                                |

No tests were sub-contracted.

## 1.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

### • A2LA (Certificate No. 4854.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.

is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

| Test Site No.: | SGS Xian Site No. |           | FCC Designation No. |
|----------------|-------------------|-----------|---------------------|
|                | CO01-XA           | 03CH01-XA | CN1271              |

## 1.4 Deviation from Standards

None

## 1.5 Abnormalities from Standard Conditions

None

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## 2 Emission Test Results

### 2.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15, Subpart B                                    |
| Test Method:      | ANSI C63.4:2014                                              |
| Frequency Range:  | 150kHz to 30MHz                                              |
| Limit:            |                                                              |
| 0.15M-0.5MHz      | 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average      |
| 0.5M-5MHz         | 56dB(μV) quasi-peak, 46dB(μV) average                        |
| 5M-30MHz          | 60dB(μV) quasi-peak, 50dB(μV) average                        |
| Detector:         | Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |

#### 2.1.1 E.U.T. Operation

Operating Environment:

Temperature: 18.9 °C Humidity: 55.1 % RH Atmospheric Pressure: 1000 mbar

Pretest these  
modes to find  
the worst case:

- a: Transfer data between the EUT1 and the PC+ Cable1
- b: Transfer data between the EUT1 and the PC+ Cable2
- c: GSM 850 Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter1
- d: WCDMA Band V Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter2
- e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)
- f: LTE Band 12 Idle+ EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
- g: LTE Band 13 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
- h: LTE Band 14 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
- i: LTE Band 26 Idle + EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
- j: LTE Band 5 Idle + EUT2 +2.4G WLAN+ battery2 +usb cable(worst)+adapter(worst)

The worst case  
for final test:

- e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)

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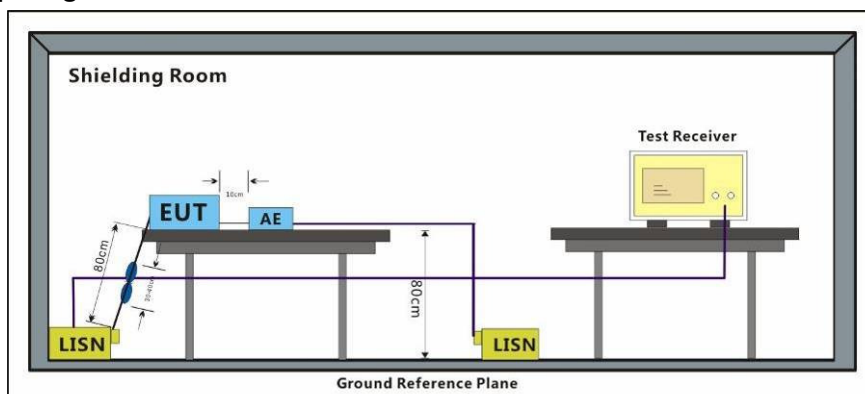
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## 2.1.2 Test Setup Diagram



## 2.1.3 Measurement Data

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.

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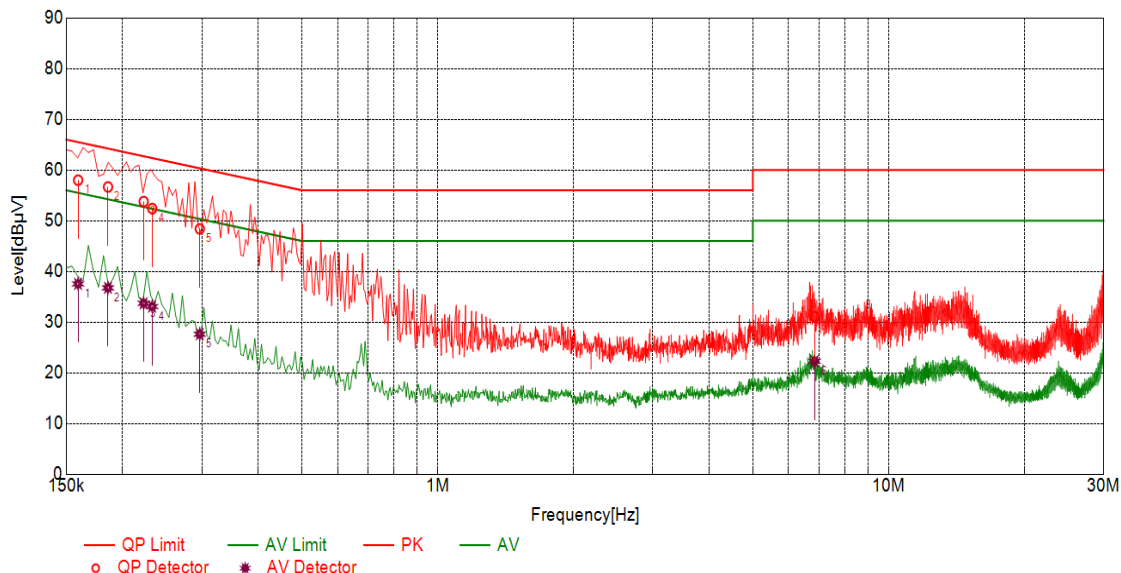
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Mode:d; Line:Live Line



Test Graph

## Final Data List

| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Type |
|-----|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| 1   | 0.1594      | 10.10       | 57.99           | 65.49           | 7.50           | 37.54           | 55.49           | 17.95          | L    |
| 2   | 0.1857      | 10.10       | 56.66           | 64.22           | 7.56           | 36.76           | 54.22           | 17.46          | L    |
| 3   | 0.2228      | 10.10       | 53.79           | 62.71           | 8.92           | 33.71           | 52.71           | 19.00          | L    |
| 4   | 0.2327      | 10.10       | 52.40           | 62.35           | 9.95           | 33.07           | 52.35           | 19.28          | L    |
| 5   | 0.2967      | 10.10       | 48.39           | 60.33           | 11.94          | 27.62           | 50.33           | 22.71          | L    |
| 6   | 6.8521      | 10.10       | 31.08           | 60.00           | 28.92          | 22.28           | 50.00           | 27.72          | L    |

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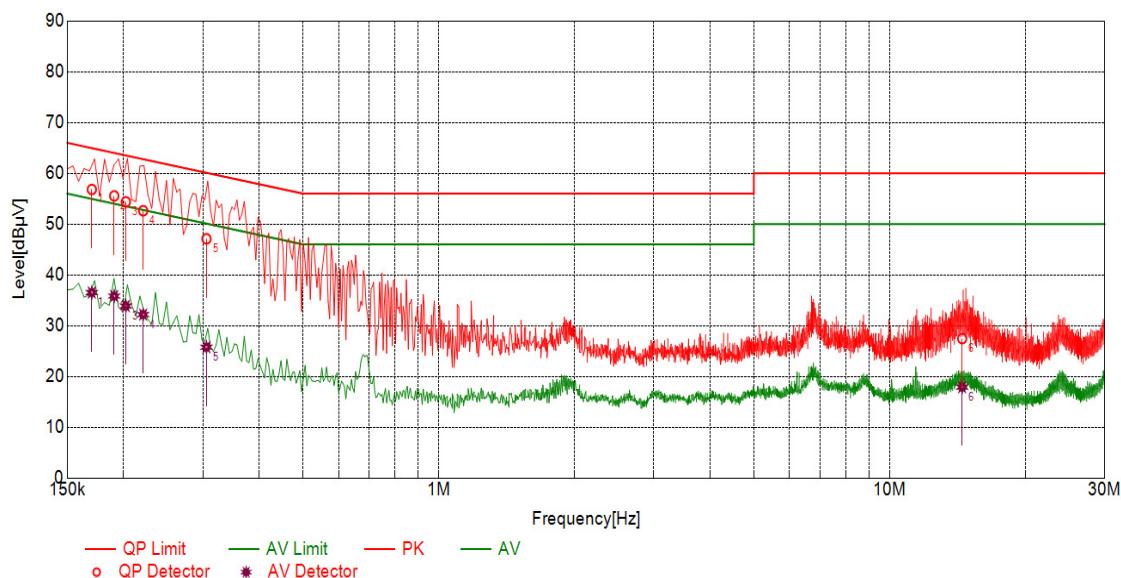
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Mode:d; Line:Neutral Line



Test Graph

## Final Data List

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | QP<br>Value<br>[dBμV] | QP<br>Limit<br>[dBμV] | QP<br>Margin<br>[dB] | AV<br>Value<br>[dBμV] | AV<br>Limit<br>[dBμV] | AV<br>Margin<br>[dB] | Type |
|-----|----------------|----------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------------|------|
| 1   | 0.1701         | 10.10          | 56.81                 | 64.96                 | 8.15                 | 36.52                 | 54.96                 | 18.44                | N    |
| 2   | 0.1907         | 10.10          | 55.55                 | 64.01                 | 8.46                 | 35.82                 | 54.01                 | 18.19                | N    |
| 3   | 0.2024         | 10.10          | 54.37                 | 63.51                 | 9.14                 | 33.87                 | 53.51                 | 19.64                | N    |
| 4   | 0.2211         | 10.10          | 52.63                 | 62.78                 | 10.15                | 32.18                 | 52.78                 | 20.60                | N    |
| 5   | 0.3055         | 10.10          | 47.10                 | 60.09                 | 12.99                | 25.76                 | 50.09                 | 24.33                | N    |
| 6   | 14.4837        | 10.11          | 27.46                 | 60.00                 | 32.54                | 17.89                 | 50.00                 | 32.11                | N    |

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## 2.2 Radiated Emissions (30MHz-1GHz)

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Test Requirement:     | 47 CFR Part 15, Subpart B                                     |
| Test Method:          | ANSI C63.4:2014                                               |
| Frequency Range:      | 30MHz to 1GHz                                                 |
| Measurement Distance: | 3m                                                            |
| Limit:                |                                                               |
| 30MHz -88MHz          | 40.0(dBμV/m) quasi-peak                                       |
| 88MHz-216MHz          | 43.5(dBμV/m) quasi-peak                                       |
| 216MHz-960MHz         | 46.0(dBμV/m) quasi-peak                                       |
| 960MHz-1000MHz        | 54.0(dBμV/m) quasi-peak                                       |
| Detector:             | Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz |

### 2.1.4 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 66.5 % RH Atmospheric Pressure: 1010 mbar

|                                             |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| Pretest these modes to find the worst case: | a: Transfer data between the EUT1 and the PC+ Cable1                            |
|                                             | b: Transfer data between the EUT1 and the PC+ Cable2                            |
|                                             | c: GSM 850 Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter1            |
|                                             | d: WCDMA Band V Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter2       |
|                                             | e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst) |
|                                             | f: LTE Band 12 Idle+ EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)   |
|                                             | g: LTE Band 13 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst) |
|                                             | h: LTE Band 14 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst) |
|                                             | i: LTE Band 26 Idle + EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)  |
|                                             | j: LTE Band 5 Idle + EUT2 +2.4G WLAN+ battery2 +usb cable(worst)+adapter(worst) |
| The worst case for final test:              | e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst) |

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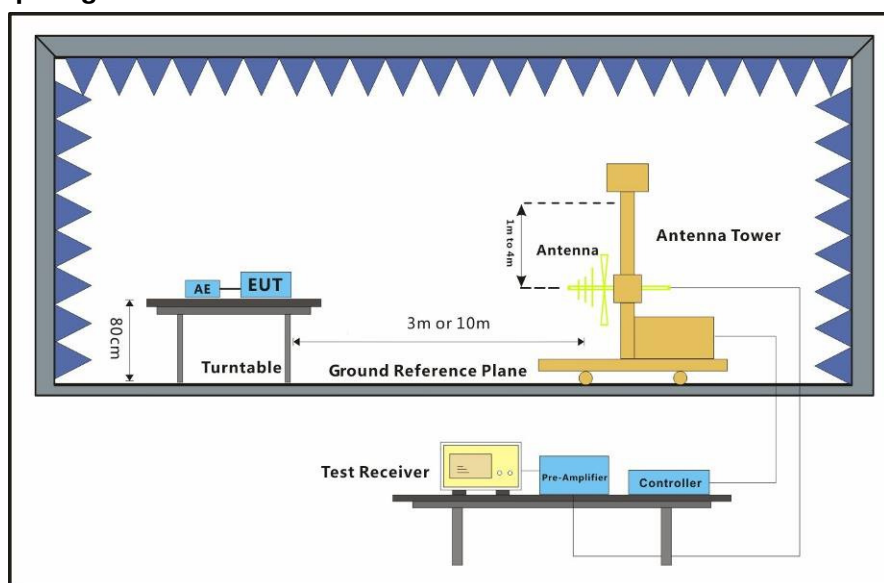
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### 2.1.5 Test Setup Diagram



### 2.1.6 Measurement Data

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.

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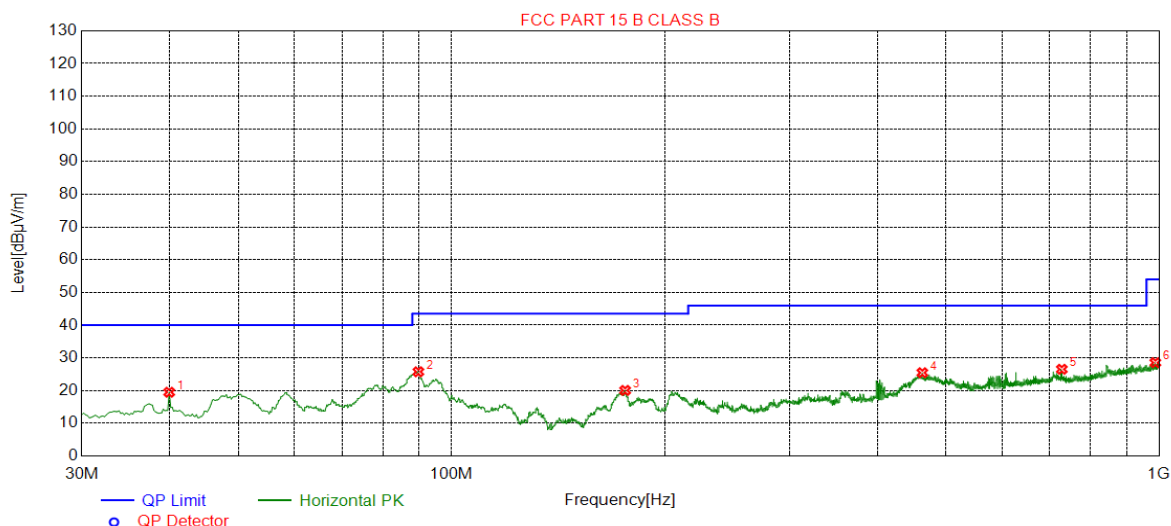
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Mode:d; Polarization:Horizontal



## Suspected List

| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 39.8960     | 19.51          | -28.37      | 40.00          | 20.49       | 200         | 219       | Horizontal |
| 2              | 89.7640     | 25.76          | -33.77      | 43.50          | 17.74       | 200         | 335       | Horizontal |
| 3              | 175.917     | 20.06          | -33.60      | 43.50          | 23.44       | 100         | 26        | Horizontal |
| 4              | 462.900     | 25.47          | -24.16      | 46.00          | 20.53       | 100         | 128       | Horizontal |
| 5              | 728.733     | 26.53          | -18.83      | 46.00          | 19.47       | 200         | 239       | Horizontal |
| 6              | 988.163     | 28.54          | -14.95      | 54.00          | 25.46       | 200         | 120       | Horizontal |

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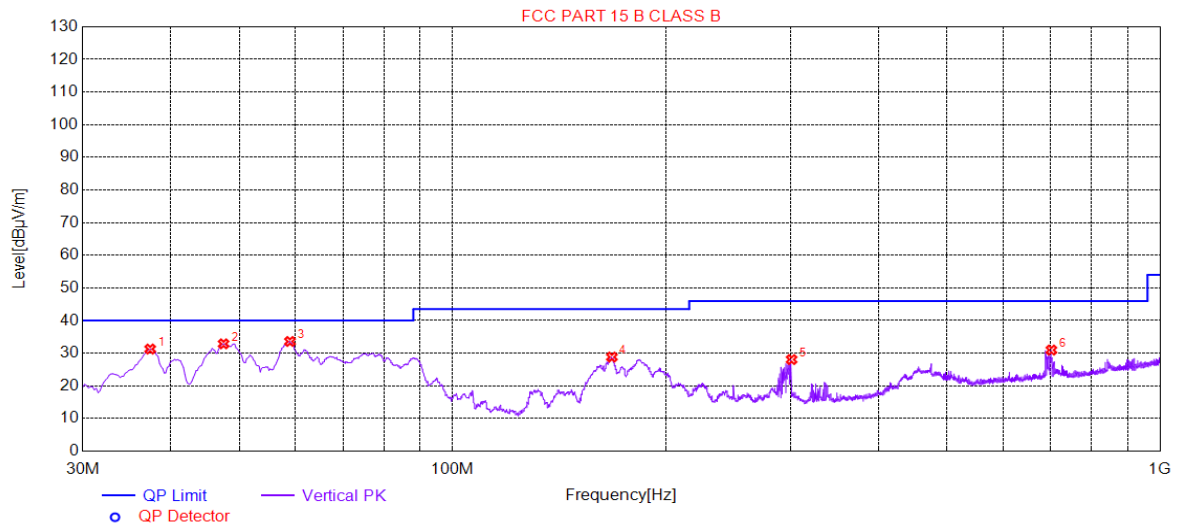
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Mode:d; Polarization:Vertical



#### Suspected List

| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 37.3735     | 31.29          | -29.19      | 40.00          | 8.71        | 100         | 14        | Vertical |
| 2              | 47.4635     | 32.89          | -30.40      | 40.00          | 7.11        | 100         | 14        | Vertical |
| 3              | 58.9118     | 33.61          | -31.70      | 40.00          | 6.39        | 100         | 339       | Vertical |
| 4              | 167.961     | 28.84          | -34.16      | 43.50          | 14.66       | 100         | 325       | Vertical |
| 5              | 301.460     | 28.07          | -28.22      | 46.00          | 17.93       | 100         | 48        | Vertical |
| 6              | 702.150     | 30.98          | -19.46      | 46.00          | 15.02       | 200         | 245       | Vertical |

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## 2.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B  
Test Method: ANSI C63.4:2014  
Frequency Range: Above 1GHz  
Measurement Distance: 3m  
Limit:  
Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average  
Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 18000MHz

### 2.1.7 E.U.T. Operation

Operating Environment:

Temperature: 21.7 °C Humidity: 56.4 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+ Cable1
- b: Transfer data between the EUT1 and the PC+ Cable2
- c: GSM 850 Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter1
- d: WCDMA Band V Idle+ EUT1 +2.4G WLAN +battery1+usb cable(worst)+adapter2
- e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)
- f: LTE Band 12 Idle+ EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
- g: LTE Band 13 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
- h: LTE Band 14 Idle + EUT1+2.4G WLAN +battery1 +usb cable(worst)+adapter(worst)
- i: LTE Band 26 Idle + EUT1 +5G WLAN +battery1 +usb cable(worst)+adapter(worst)
- j: LTE Band 5 Idle + EUT2 +2.4G WLAN+ battery2 +usb cable(worst)+adapter(worst)

The worst case for final test: e: LTE Band 5 Idle + EUT1 +2.4G WLAN+ battery1 +usb cable(worst)+adapter(worst)

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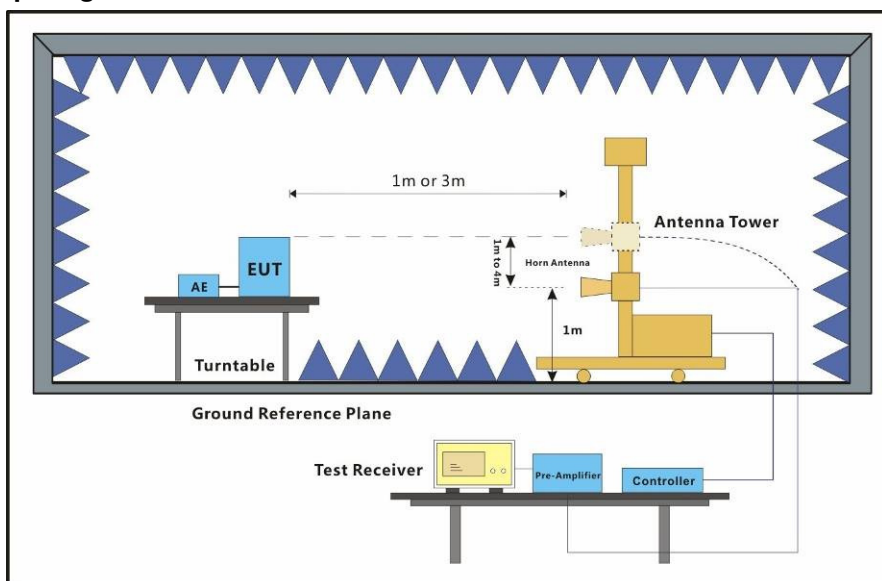
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### 2.1.8 Test Setup Diagram



### 2.1.9 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

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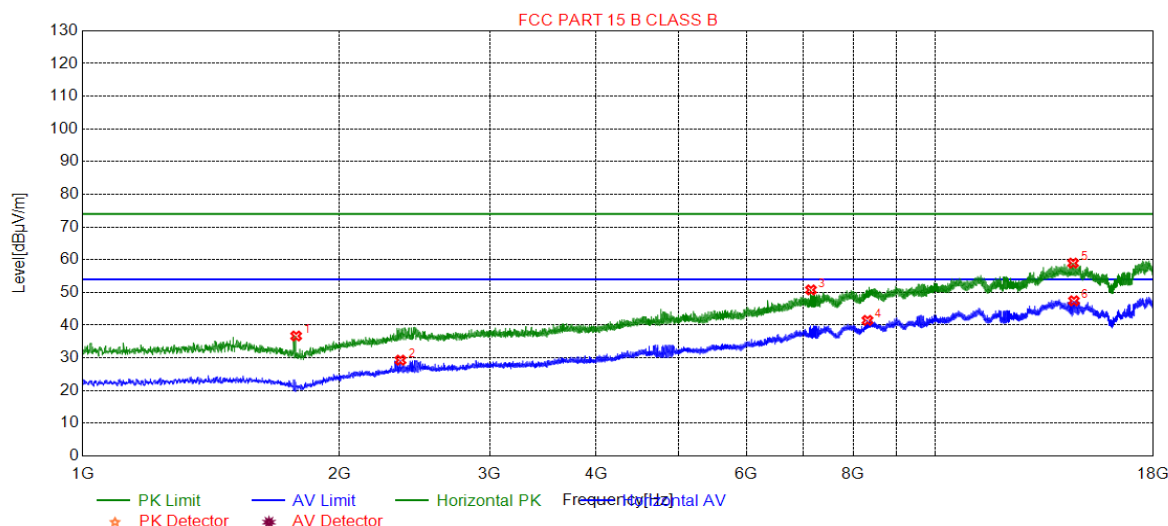
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Mode:d; Polarization:Horizontal



Suspected List

| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 1779.48     | 36.70          | -32.10      | 74.00          | 37.30       | 100         | 230       | Horizontal |
| 2              | 2358.36     | 29.31          | -26.64      | 54.00          | 24.69       | 100         | 40        | Horizontal |
| 3              | 7141.55     | 50.78          | -10.58      | 74.00          | 23.22       | 100         | 3         | Horizontal |
| 4              | 8318.86     | 41.47          | -7.75       | 54.00          | 12.53       | 100         | 3         | Horizontal |
| 5              | 14491.0     | 58.98          | 1.59        | 74.00          | 15.02       | 100         | 230       | Horizontal |
| 6              | 14522.4     | 47.45          | 1.56        | 54.00          | 6.55        | 200         | 243       | Horizontal |

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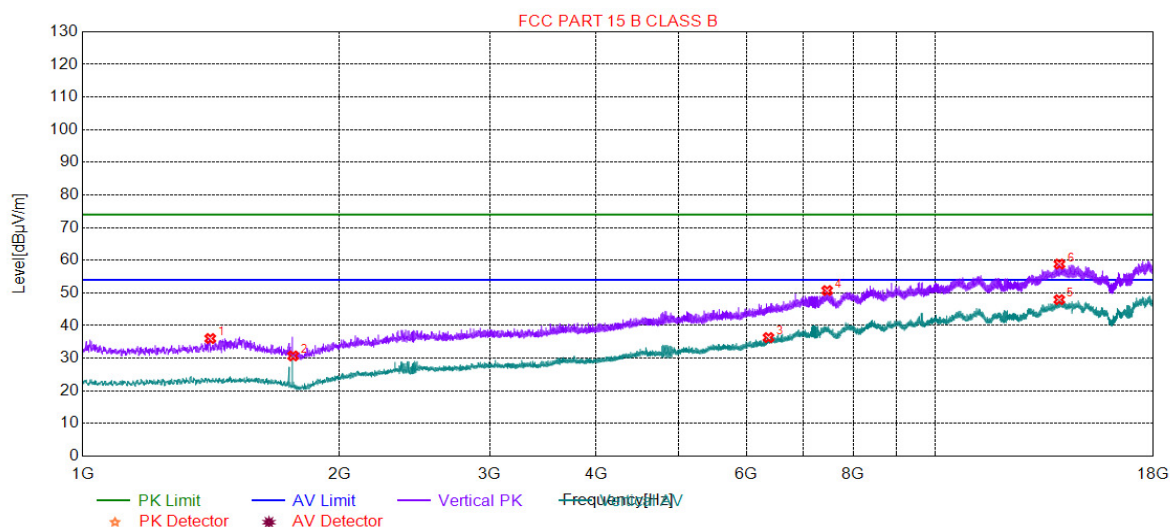
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Mode:d; Polarization:Vertical



#### Suspected List

| Suspected List |                |                   |                |                   |                |                |              |          |
|----------------|----------------|-------------------|----------------|-------------------|----------------|----------------|--------------|----------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1              | 1411.42        | 36.04             | -30.31         | 74.00             | 37.96          | 200            | 130          | Vertical |
| 2              | 1765.03        | 30.71             | -31.89         | 54.00             | 23.29          | 100            | 154          | Vertical |
| 3              | 6368.01        | 36.32             | -13.72         | 54.00             | 17.68          | 200            | 356          | Vertical |
| 4              | 7460.32        | 50.73             | -9.83          | 74.00             | 23.27          | 200            | 16           | Vertical |
| 5              | 13959.7        | 47.94             | 2.21           | 54.00             | 6.06           | 100            | 4            | Vertical |
| 6              | 13966.5        | 58.85             | 2.22           | 74.00             | 15.15          | 100            | 307          | Vertical |

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### 3 Equipment List

| Chamber                             |               |             |               |              |              |
|-------------------------------------|---------------|-------------|---------------|--------------|--------------|
| Test Equipment                      | Manufacturer  | Model No.   | Inventory No. | Cal. date    | Cal.Due date |
|                                     |               |             |               | (yyyy-mm-dd) | (yyyy-mm-dd) |
| Semi-Anechoic Chamber               | Brilliant-emc | 966         | XAW03-35-01   | NCR          | NCR          |
| MXA signal analyzer                 | Keysight      | N9020A      | XAW01-06-01   | 2020/4/2     | 2021/4/2     |
| Radio communication analyzer        | ROHDE&SCHWARZ | CMW 500     | XAW01-03-02   | 2020/4/2     | 2021/4/2     |
| Test receiver                       | ROHDE&SCHWARZ | ESR         | XAW01-08-01   | 2020/9/7     | 2021/9/6     |
| Receiving antenna                   | Rosenberger   | VULB 9163   | XAW01-09-01   | 2019/10/13   | 2021/10/12   |
| Receiving antenna                   | Rosenberger   | BBHA 9120D  | XAW01-09-02   | 2019/10/13   | 2021/10/12   |
| Receiving antenna                   | Rosenberger   | BBHA 9170   | XAW01-09-03   | 2019/10/13   | 2021/10/12   |
| Directional antenna rack controller | Max-Full      | MF-7802BS   | XAW03-03-01   | NCR          | NCR          |
| High-speed antenna rack controller  | Max-Full      | MF-7802     | XAW03-04-01   | NCR          | NCR          |
| Filter bank                         | Tonscend      | JS0806-F    | XAW03-05-01   | NCR          | NCR          |
| Filter bank                         | Tonscend      | JS0806s     | XAW03-05-02   | NCR          | NCR          |
| Amplifier                           | Tonscend      | TAP00903040 | XAW01-41-01   | 2020/11/18   | 2021/11/18   |
|                                     |               |             |               | 2019/11/18   | 2020/11/18   |
| Amplifier                           | Tonscend      | TAP01018048 | XAW01-41-02   | 2020/11/18   | 2021/11/18   |
|                                     |               |             |               | 2019/11/18   | 2020/11/18   |
| Amplifier                           | Tonscend      | TAP18040048 | XAW01-41-03   | 2020/12/3    | 2021/12/3    |
|                                     |               |             |               | 2019/12/3    | 2020/12/3    |
| Amplifier                           | Brilliant-emc | YX28980930  | XAW01-41-06   | 2020/11/18   | 2021/11/18   |
|                                     |               |             |               | 2019/11/18   | 2020/11/18   |
| Artificial network                  | ROHDE&SCHWARZ | ENV216      | XAW01-19-02   | 2020/9/16    | 2021/9/15    |

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## 4 Measurement Uncertainty

| No. | Item                | Measurement Uncertainty              |
|-----|---------------------|--------------------------------------|
| 1   | Conduction Emission | $\pm 3.4\text{dB}$ (150kHz to 30MHz) |
| 2   | Radiated Emission   | $\pm 4.8\text{dB}$ (30MHz-1GHz)      |
|     |                     | $\pm 5.2\text{dB}$ (1GHz-6GHz)       |
|     |                     | $\pm 5.5\text{dB}$ (6GHz-18GHz)      |
|     |                     | $\pm 5.02\text{dB}$ (18GHz-40GHz)    |

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## **5 Photographs**

### **5.1 Test Setup**

Refer to Appendix A - Photographs of Set-Up for ZR/2020/90032.

### **5.2 EUT Constructional Details (EUT Photos)**

Refer to Photographs of EUT Constructional Details

- End of the Report -

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