

# TEST REPORT

**Application No:** SUCR2507000669WM  
**Applicant:** Guangdong OPPO Mobile Telecommunications Corp.,Ltd.  
**Address of Applicant:** NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China  
**Manufacturer:** Guangdong OPPO Mobile Telecommunications Corp.,Ltd.  
**Address of Manufacturer:** NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China  
**EUT Description:** Mobile Phone  
**Model No.:** CPH2797  
**Trade Mark:** OPPO  
**FCC ID:** R9C-OP24203  
**Standards:** FCC 47 CFR Part 15  
**Date of Receipt:** 2025-07-17  
**Date of Test:** 2025-07-25 to 2025-09-04  
**Date of Issue:** 2025-09-09

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

\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

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## Version

| Revision Record |             |            |        |
|-----------------|-------------|------------|--------|
| Version         | Description | Date       | Remark |
| 01              | Original    | 2025-09-09 | /      |
|                 |             |            |        |
|                 |             |            |        |

|                          |  |                               |  |
|--------------------------|--|-------------------------------|--|
| Authorized for issue by: |  |                               |  |
| Tested By                |  | <i>Nature Shen</i>            |  |
|                          |  | Nature Shen / Project Manager |  |
| Approved By              |  | <i>Cloud Peng</i>             |  |
|                          |  | Cloud Peng/Technical Manager  |  |

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# 1 Test Summary

| Radio Spectrum Matter Part                       |                           |                                  |                                           |        |
|--------------------------------------------------|---------------------------|----------------------------------|-------------------------------------------|--------|
| Item                                             | Standard                  | Method                           | Requirement                               | Result |
| 20dB Spectrum Bandwidth & 99% Occupied Bandwidth | 47 CFR Part 15, Subpart C | ANSI C63.10 (2013) Section 6.9.2 | 47 CFR Part 15, Subpart C 15.215          | Pass   |
| Field Strength of Fundamental Emissions          |                           | ANSI C63.10 (2013) Section 6.4.7 | 47 CFR Part 15, Subpart C 15.205& 15.209  | Pass   |
| Radiated Emissions (9kHz-30MHz)                  |                           | ANSI C63.10 (2013) Section 6.4   | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass   |
| Radiated Emissions (30MHz-1GHz)                  |                           | ANSI C63.10 (2013) Section 6.5   | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass   |

## 2 General Information

### 2.1 Details of Client

|                          |                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------|
| Applicant:               | Guangdong OPPO Mobile Telecommunications Corp.,Ltd.                                            |
| Address of Applicant:    | NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China |
| Manufacturer:            | Guangdong OPPO Mobile Telecommunications Corp.,Ltd.                                            |
| Address of Manufacturer: | NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China |

### 2.2 Test Location

|                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| Company:       | SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.                                                               |
| Address:       | South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone |
| Post code:     | 215000                                                                                                                 |
| Test engineer: | King-p Li                                                                                                              |

### 2.3 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

## 2.4 General Description of EUT

|                                                                                                                                                                              |                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Hardware Version:                                                                                                                                                            | 11                                                                                |
| Software Version:                                                                                                                                                            | ColorOS 16.0                                                                      |
| Power Supply:                                                                                                                                                                | DC 3.75V from internal rechargeable battery which can be charged by AC/DC adapter |
| Operation Frequency:                                                                                                                                                         | 110.1KHz to148.5KHz                                                               |
| Modulation Type:                                                                                                                                                             | ASK                                                                               |
| Antenna Type:                                                                                                                                                                | Loop Antenna                                                                      |
| Remark:<br>As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information. |                                                                                   |

## 2.5 Test Environment

| Environment Parameter                                                                                  | 101 kPa Selected Values During Tests |            |
|--------------------------------------------------------------------------------------------------------|--------------------------------------|------------|
| Relative Humidity                                                                                      | 44-46 % RH Ambient                   |            |
| Value                                                                                                  | Temperature(°C)                      | Voltage(V) |
| NTNV                                                                                                   | 22-25                                | 3.75       |
| Remark: The extreme Voltage and extreme Temperature are refer to the test data of Frequency Stability. |                                      |            |

## 2.6 Description of Support Units

The EUT has been tested as an independent unit.

### 3 Equipment List

| Item                                         | Equipment                                | Manufacturer               | Model            | Inventory No  | Cal Date   | Cal. Due Date |
|----------------------------------------------|------------------------------------------|----------------------------|------------------|---------------|------------|---------------|
| <b>Conducted Emission at Mains Terminals</b> |                                          |                            |                  |               |            |               |
| 1                                            | EMI Test Receive                         | R&S                        | ESR7             | SUWI-01-10-01 | 1/15/2025  | 1/14/2026     |
| 2                                            | LISN                                     | R&S                        | ENV216           | SUWI-01-19-03 | 5/8/2025   | 5/7/2026      |
| 3                                            | LISN                                     | Schwarzbeck                | ENV216           | SUWI-01-19-04 | 5/8/2025   | 5/7/2026      |
| 4                                            | Test Software                            | Tonscend                   | JS32-CE 4.0.0.2  | SUWI-02-09-05 | N.C.R      | N.C.R         |
| <b>RF Conducted Test</b>                     |                                          |                            |                  |               |            |               |
| 1                                            | Shielding Room                           | Brilliant-emc              | N/A              | SUWI-04-08-01 | 11/9/2022  | 11/8/2025     |
| 2                                            | Signal Analyzer                          | ROHDE&SCHWARZ              | FSW43            | SUWI-01-02-04 | 1/20/2025  | 1/19/2026     |
| 3                                            | Signal Analyzer                          | KEYSIGHT                   | N9020A           | SUWI-01-02-15 | 11/21/2024 | 11/20/2025    |
| 4                                            | MXG Vector signal genitor                | KEYSIGHT                   | N5182B           | SUWI-01-38-01 | 1/15/2025  | 1/14/2026     |
| 5                                            | Signal Generator                         | ROHDE&SCHWARZ              | SMW200A          | SUWI-01-07-08 | 3/27/2025  | 3/26/2026     |
| 6                                            | Signal Generator                         | ROHDE&SCHWARZ              | SMW100A          | SUWI-01-8-01  | 1/16/2025  | 1/15/2026     |
| 7                                            | MXG Vector Signal Generator              | ROHDE&SCHWARZ              | SMR20            | SUWI-01-33-01 | 3/17/2025  | 3/16/2026     |
| 8                                            | Wideband Radio Communication Tester      | ROHDE&SCHWARZ              | CMW500           | SUWI-01-16-13 | 5/8/2025   | 5/7/2026      |
| 9                                            | Wideband Radio Communication Test Sttion | Anritsu                    | MT8000A          | SUWI-01-34-02 | 11/19/2024 | 11/18/2025    |
| 10                                           | Wideband Radio Communication Tester      | Anritsu                    | MT8821C          | SUWI-01-26-03 | 11/19/2024 | 11/18/2025    |
| 11                                           | Power meter                              | Anritsu                    | ML2495A          | SUWI-01-31-01 | 11/19/2024 | 11/18/2025    |
| 12                                           | Pulse power sensor                       | Anritsu                    | MA2411B          | SUWI-01-32-01 | 11/19/2024 | 11/18/2025    |
| 13                                           | DC Power Supply                          | HYELEC                     | HY3005B          | SUWI-01-18-01 | 1/15/2025  | 1/14/2026     |
| 14                                           | Temperature and humidity meter           | MingGao                    | TH101B           | SUWI-01-01-07 | 2/13/2025  | 2/12/2026     |
| 15                                           | Temperature Chamber                      | GIANT FORCE                | ICT-017-40-SP-SD | SUWI-01-13-02 | 5/7/2025   | 5/6/2026      |
| 16                                           | Measurement Software                     | TST                        | TST 272 V2.0     | SUWI-03-55-03 | NCR        | NCR           |
| <b>RF Radiated Test</b>                      |                                          |                            |                  |               |            |               |
| 1                                            | Semi-Anechoic Chamber                    | Brilliant-emc              | N/A              | SUWI-04-02-01 | 6/3/2023   | 6/2/2026      |
| 2                                            | Signal Analyzer                          | ROHDE&SCHWARZ              | FSW43            | SUWI-01-02-04 | 1/20/2025  | 1/19/2026     |
| 3                                            | Signal Analyzer                          | KEYSIGHT                   | N9020A           | SUWI-01-02-09 | 11/21/2024 | 11/20/2025    |
| 4                                            | Test receiver                            | ROHDE&SCHWARZ              | ESR7             | SUWI-01-10-01 | 1/15/2025  | 1/14/2026     |
| 5                                            | Signal Generator                         | ROHDE&SCHWARZ              | SMW100A          | SUWI-01-18-01 | 1/16/2025  | 1/15/2026     |
| 6                                            | Receiving antenna                        | SCHWRZBECK MESS-ELEKTRONIK | VULB 9168        | SUWI-01-11-04 | 8/22/2024  | 8/21/2026     |
| 7                                            | Receiving antenna                        | SCHWRZBECK MESS-ELEKTRONIK | BBHA 9120D       | SUWI-01-11-02 | 5/7/2025   | 5/6/2027      |
| 8                                            | Receiving antenna                        | SCHWRZBECK MESS-ELEKTRONIK | BBHA 9170        | SUWI-01-11-03 | 5/7/2025   | 5/6/2027      |
| 9                                            | Active Loop Antenna                      | SCHWRZBECK MESS-ELEKTRONIK | FMZB 1519B       | SUWI-01-21-01 | 5/7/2025   | 5/6/2027      |
| 10                                           | Amplifier                                | Tonscend                   | TAP9K3G40        | SUWI-01-14-01 | 1/16/2025  | 1/15/2026     |
| 11                                           | Amplifier                                | Tonscend                   | TAP01018050      | SUWI-01-14-02 | 1/16/2025  | 1/15/2026     |
| 12                                           | Amplifier                                | Tonscend                   | TAP18040048      | SUWI-01-14-03 | 1/20/2025  | 1/19/2026     |
| 13                                           | Wideband Radio Communication Tester      | Anritsu                    | MT8820C          | SUWI-01-26-01 | 9/10/2024  | 9/9/2025      |
| 14                                           | Wideband Radio Communication Tester      | Anritsu                    | MT8821C          | SUWI-01-26-03 | 11/19/2024 | 11/18/2025    |
| 15                                           | Wideband Radio                           | ROHDE&SCHWARZ              | CMW500           | SUWI-01-16-09 | 9/10/2024  | 9/9/2025      |

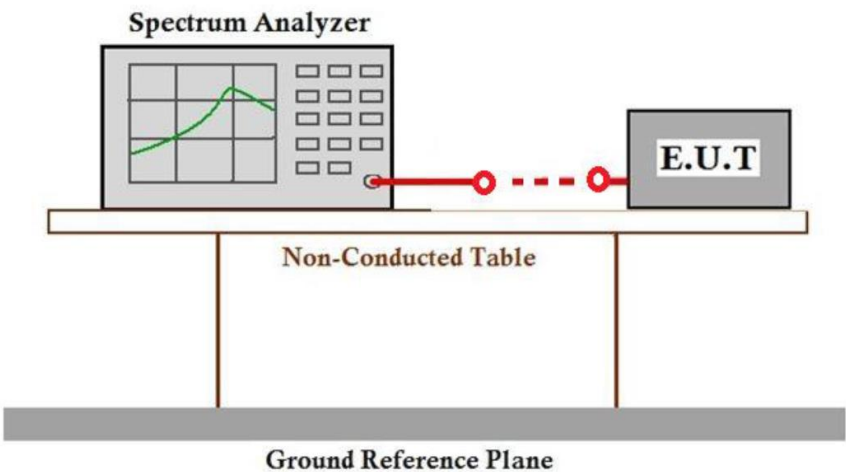
|    | Communication Tester           |               |                 |               |            |            |
|----|--------------------------------|---------------|-----------------|---------------|------------|------------|
| 16 | Radio Communication Analyzer   | StarPoint     | SP9500E         | SUWI-01-28-02 | 11/19/2024 | 11/18/2025 |
| 17 | Signal Generator               | ROHDE&SCHWARZ | SMB100A         | SUWI-01-08-01 | 1/16/2025  | 1/15/2026  |
| 18 | DC Power Supply                | HYELEC        | HY3005B         | SUWI-01-18-01 | 1/15/2025  | 1/14/2026  |
| 19 | Temperature and humidity meter | MingGao       | TH101B          | SUWI-01-01-05 | 2/13/2025  | 2/12/2026  |
| 20 | Measurement Software           | Tonscend      | JS32-RE 4.0.0.0 | SUWI-02-09-06 | NCR        | NCR        |

Remark: NCR=No Calibration Requirement.

## 4 Measurement Uncertainty (95% confidence levels, k=2)

| No.                                                                                                                                                                                                                                                                                                                                             | Item                | Measurement Uncertainty    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|
| 1                                                                                                                                                                                                                                                                                                                                               | Occupied Bandwidth  | 1%                         |
| 2                                                                                                                                                                                                                                                                                                                                               | Conduction Emission | ± 2.90dB (150kHz to 30MHz) |
| 3                                                                                                                                                                                                                                                                                                                                               | Radiated Emission   | ± 3.13dB (9k -30MHz)       |
|                                                                                                                                                                                                                                                                                                                                                 |                     | ± 4.80dB (30M -1GHz)       |
| Remark:<br>The U <sub>lab</sub> (lab Uncertainty) is less than U <sub>CISPR/ETSI</sub> (CISPR/ETSI Uncertainty), so the test results<br>– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;<br>– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. |                     |                            |

## 4.1 20dB Spectrum Bandwidth & 99% Occupied Bandwidth

|                                             |                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:                           | 47 CFR Part 15, Subpart C 15.215                                                                                                                                                                                                                                                                                       |
| Test Method:                                | ANSI C63.10 (2013) Section 6.9.2(20dB); 6.10.5(99%OB)                                                                                                                                                                                                                                                                  |
| Test Setup:                                 |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. The setup is placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p> |
| Instruments Used:                           | Refer to section 3 for details                                                                                                                                                                                                                                                                                         |
| Limit:                                      | For report reference only                                                                                                                                                                                                                                                                                              |
| Test Results:                               | Pass                                                                                                                                                                                                                                                                                                                   |
| The detailed test data see: <b>Appendix</b> |                                                                                                                                                                                                                                                                                                                        |

## 4.2 Field Strength of Fundamental Emissions

|                   |                                                  |                                           |                                             |                                             |                                            |
|-------------------|--------------------------------------------------|-------------------------------------------|---------------------------------------------|---------------------------------------------|--------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.205 & 15.209          |                                           |                                             |                                             |                                            |
| Test Method:      | ANSI C63.10 :2013 Section 6.4                    |                                           |                                             |                                             |                                            |
| Test Site:        | Measurement Distance: 3m (Semi-Anechoic Chamber) |                                           |                                             |                                             |                                            |
| Limit:            | Frequency                                        | Field Strength ( $\mu\text{V/m}$ ) at 30m | Field Strength (dB $\mu\text{V/m}$ ) at 30m | Field Strength (dB $\mu\text{V/m}$ ) at 10m | Field Strength (dB $\mu\text{V/m}$ ) at 3m |
|                   | 1.705~13.110 MHz                                 | 30                                        | 29.5                                        | 48.58                                       | 69.5                                       |
|                   | 13.110-13.410 MHz                                | 106                                       | 40.5                                        | 59.58                                       | 80.5                                       |
|                   | 13.410-13.553 MHz                                | 334                                       | 50.5                                        | 69.58                                       | 90.5                                       |
|                   | 13.553-13.567 MHz                                | 15,848                                    | 84.0                                        | 103.08                                      | 124.0                                      |
|                   | 13.567-13.710 MHz                                | 334                                       | 50.5                                        | 69.58                                       | 90.5                                       |
|                   | 13.710-14.010 MHz                                | 106                                       | 40.5                                        | 59.58                                       | 80.5                                       |
|                   | 14.010~30.000 MHz                                | 30                                        | 29.5                                        | 48.58                                       | 69.5                                       |

### Test Setup:

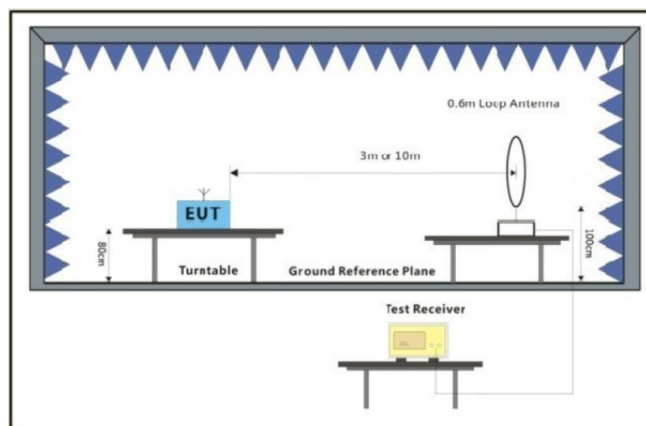


Figure 1. Below 30MHz

### Test Procedure:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.
- RBW set to 9kHz.

|                                             |                                                                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Exploratory Test Mode:                      | Transmitting with modulation.<br>Charge + Transmitting mode.                                                                          |
| Final Test Mode:                            | <b>Transmitting with modulation.</b><br>Pretest the EUT at Charge + Transmitting mode. Only the worst case is recorded in the report. |
| Instruments Used:                           | Refer to section 3 for details                                                                                                        |
| Test Results:                               | Pass                                                                                                                                  |
| The detailed test data see: <b>Appendix</b> |                                                                                                                                       |

## 4.3 Radiated Emissions

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------|
| Test Requirement:                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 47 CFR Part 15, Subpart C 15.205 & 15.209 |                                  |                          |
| Test Method:                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ANSI C63.10 (2013) Section 6.4 & 6.5      |                                  |                          |
| Test Site:                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Measurement Distance: 3m                  |                                  |                          |
| Limit:                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Frequency(MHz)                            | Field strength (microvolt/meter) | Measurement distance (m) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.009-0.490                               | 2400/F(kHz)                      | 300                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.490-1.705                               | 24000/F(kHz)                     | 30                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.705-30.0                                | 30                               | 30                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30-88                                     | 100                              | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 88-216                                    | 150                              | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 216-960                                   | 200                              | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Above 960                                 | 500                              | 3                        |
| Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. |                                           |                                  |                          |

### Test Setup:

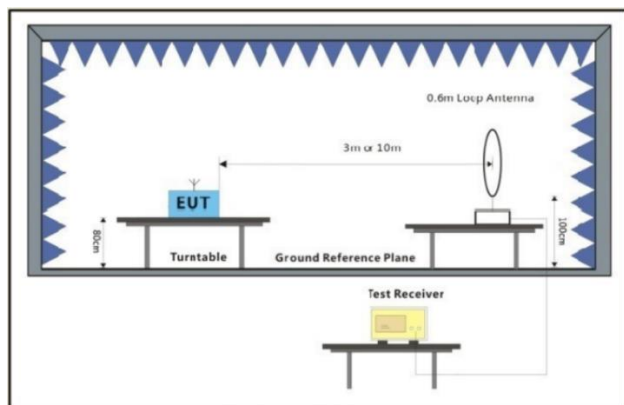


Figure 1. Below 30MHz

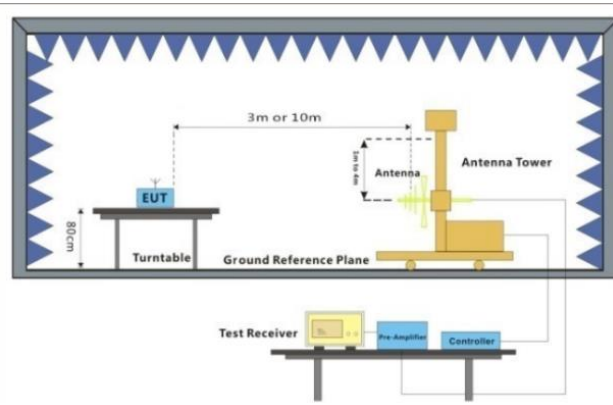


Figure 2. Above 30MHz

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Procedure: | <p>i. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>j. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>k. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>l. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>m. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | <p>n. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>o. Test the EUT in the lowest channel,the middle channel,the Highest channel</p> <p>p. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.</p> <p>q. Repeat above procedures until all frequencies measured was complete.</p> <p>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p> |
| Exploratory Test Mode:                      | Transmitting with modulation.<br>Charge + Transmitting mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Final Test Mode:                            | Transmitting with modulation.<br>Pretest the EUT at Charge + Transmitting mode.Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Instruments Used:                           | Refer to section 3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Test Results:                               | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| The detailed test data see: <b>Appendix</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## 5 Test Setup Photo

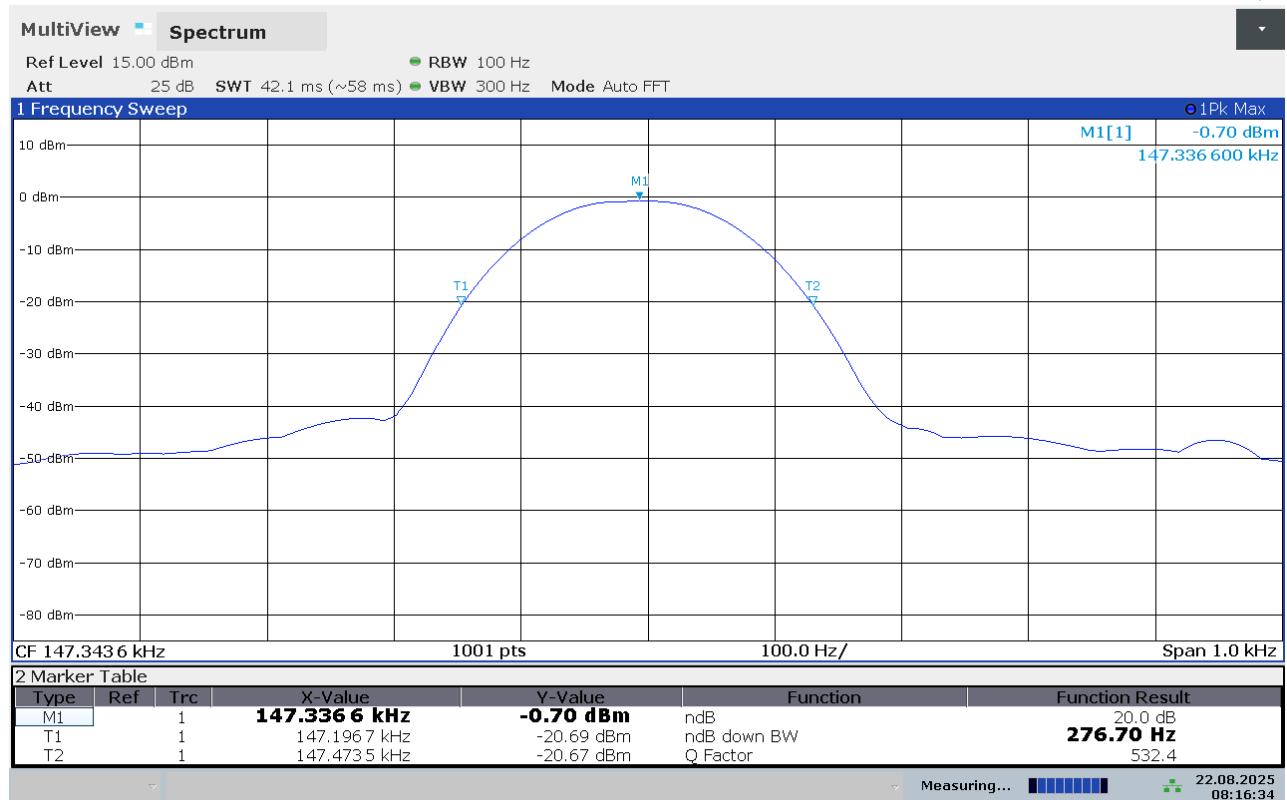
Refer to Appendix - Test Setup Photo for SUCR2507000669WM

## 6 EUT Constructional Details (EUT Photos)

Refer to Appendix\_Photographs of EUT Constructional Details for SUCR2507000669WM

## 7 Appendix

### 20dB Bandwidth



08:16:35 22.08.2025

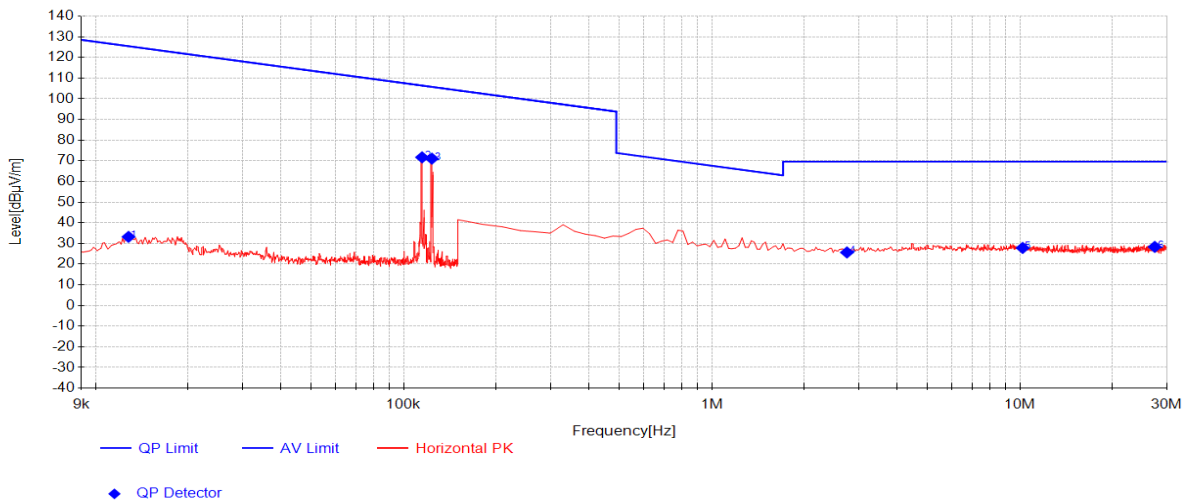


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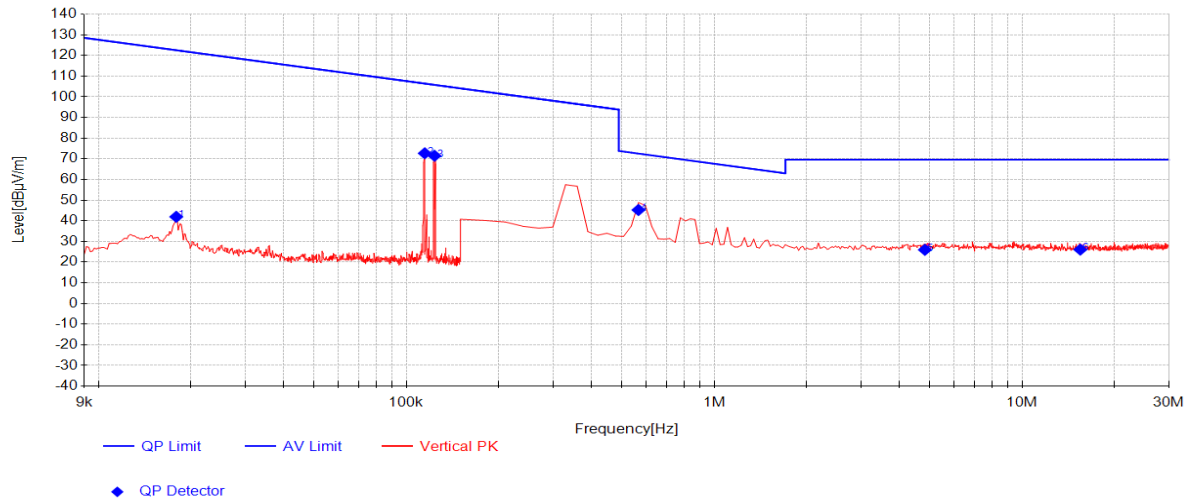
## Radiated Emissions

9kHz~30MHz



### Final Data List

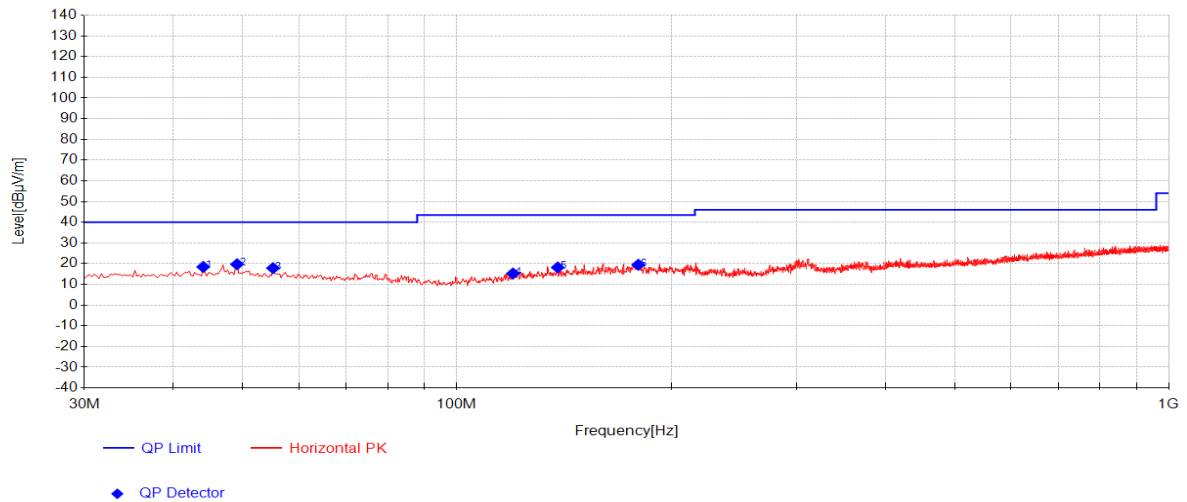
| NO. | Frequency [MHz] | Reading [dBμV]    | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|-------------------|-----------|-------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| 4   | 2.747           | 5.36              | 19.81     | 0.48        | 25.65             | 69.54             | 43.89          | 100         | 222       | Coaxial  |
| 5   | 10.2094         | 7.24              | 19.98     | 0.62        | 27.84             | 69.54             | 41.70          | 100         | 3         | Coaxial  |
| 6   | 27.403          | 7.62              | 19.78     | 0.95        | 28.35             | 69.54             | 41.19          | 100         | 37        | Coaxial  |
| NO. | Frequency [MHz] | AV Reading [dBμV] | AF [dB/m] | Factor [dB] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1   | 0.0128          | 12.81             | 19.98     | 0.43        | 33.22             | 125.45            | 92.23          | 100         | 184       | Coaxial  |
| 2   | 0.1148          | 50.96             | 20.28     | 0.43        | 71.67             | 106.40            | 34.73          | 100         | 332       | Coaxial  |
| 3   | 0.1235          | 50.38             | 20.23     | 0.43        | 71.04             | 105.77            | 34.73          | 100         | 351       | Coaxial  |



## Final Data List

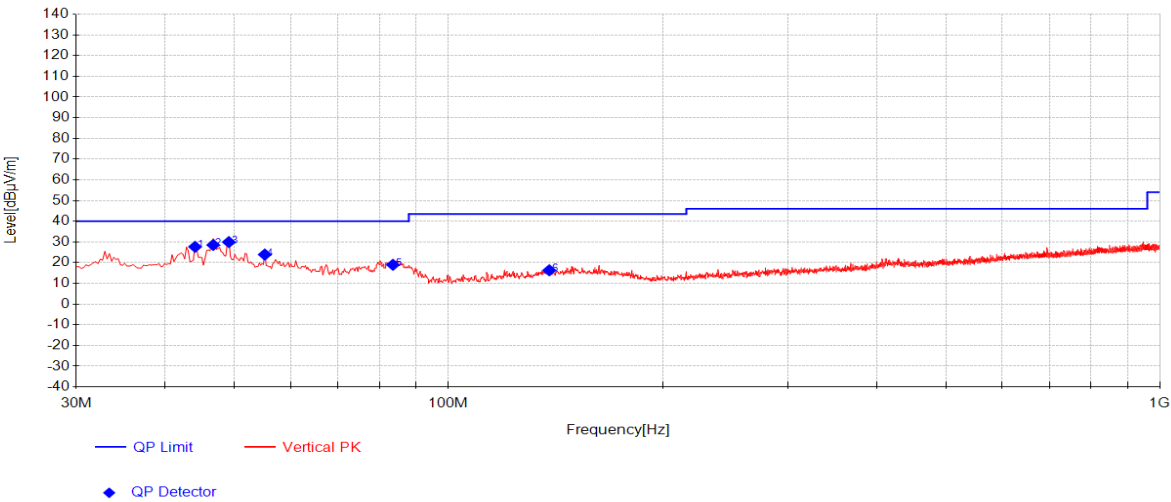
| NO. | Frequency [MHz] | Reading [dBμV]    | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|-------------------|-----------|-------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| 1   | 0.0179          | 21.49             | 20.02     | 0.43        | 41.94             | 122.54            | 80.60          | 100         | 132       | Coplanar |
| 2   | 0.1148          | 51.95             | 20.28     | 0.43        | 72.66             | 106.40            | 33.74          | 100         | 333       | Coplanar |
| 3   | 0.1235          | 50.82             | 20.23     | 0.43        | 71.48             | 105.77            | 34.29          | 100         | 314       | Coplanar |
| 4   | 0.5679          | 24.63             | 20.16     | 0.44        | 45.23             | 72.52             | 27.29          | 100         | 332       | Coplanar |
| 5   | 4.8364          | 5.63              | 19.80     | 0.52        | 25.95             | 69.54             | 43.59          | 100         | 44        | Coplanar |
| 6   | 15.463          | 5.48              | 19.87     | 0.72        | 26.07             | 69.54             | 43.47          | 100         | 137       | Coplanar |
| NO. | Frequency [MHz] | AV Reading [dBμV] | AF [dB/m] | Factor [dB] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1   | 0.0179          | 21.49             | 20.02     | 0.43        | 41.94             | 122.54            | 80.60          | 100         | 132       | Coplanar |
| 2   | 0.1148          | 51.95             | 20.28     | 0.43        | 72.66             | 106.40            | 33.74          | 100         | 333       | Coplanar |
| 3   | 0.1235          | 50.82             | 20.23     | 0.43        | 71.48             | 105.77            | 34.29          | 100         | 314       | Coplanar |

### 30MHz-1GHz



#### Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| 1   | 44.065          | 33.80          | 18.81     | -34.18      | 18.43             | 40.00             | 21.57          | 196         | 342       | Horizontal |
| 2   | 49.1575         | 35.12          | 18.77     | -34.18      | 19.71             | 40.00             | 20.29          | 235         | 342       | Horizontal |
| 3   | 55.22           | 33.77          | 18.20     | -34.14      | 17.83             | 40.00             | 22.17          | 187         | 342       | Horizontal |
| 4   | 119.9675        | 32.13          | 16.79     | -33.71      | 15.22             | 43.50             | 28.28          | 144         | 155       | Horizontal |
| 5   | 138.64          | 33.30          | 18.46     | -33.60      | 18.16             | 43.50             | 25.34          | 261         | 47        | Horizontal |
| 6   | 179.865         | 36.28          | 16.53     | -33.35      | 19.46             | 43.50             | 24.04          | 183         | 233       | Horizontal |



| Final Data List |                 |                |           |             |                   |                   |                |             |           |          |
|-----------------|-----------------|----------------|-----------|-------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 44.065          | 43.02          | 18.81     | -34.18      | 27.65             | 40.00             | 12.35          | 205         | 142       | Vertical |
| 2               | 46.7325         | 43.75          | 18.95     | -34.18      | 28.52             | 40.00             | 11.48          | 198         | 19        | Vertical |
| 3               | 49.1575         | 45.34          | 18.77     | -34.18      | 29.93             | 40.00             | 10.07          | 233         | 342       | Vertical |
| 4               | 55.22           | 39.85          | 18.20     | -34.14      | 23.91             | 40.00             | 16.09          | 176         | 197       | Vertical |
| 5               | 83.5925         | 38.25          | 14.62     | -33.89      | 18.97             | 40.00             | 21.03          | 249         | 96        | Vertical |
| 6               | 138.64          | 31.45          | 18.46     | -33.60      | 16.31             | 43.50             | 27.19          | 188         | 220       | Vertical |

---End of Report---