

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                                                            |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                         | <b>CN21VLZ8 001</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Auftrags-Nr.:</b><br><i>Order no.:</i>   | <b>168333613</b>                                           | Seite 1 von 32<br>Page 1 of 32                                                        |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Auftragsdatum:</b><br><i>Order date:</i> | <b>2021-08-12</b>                                          |                                                                                       |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                     | AfterShokz LLC<br>3200 Gracie Kiltz Lane, Suite 400, Austin, TX 78758 United States                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                                                            |                                                                                       |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                | OpenMove                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                                                            |                                                                                       |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type no.:</i>                                                                                                                                                                                                                                                                                                                                                                                         | S661                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |                                                            |                                                                                       |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                           | Test Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                                                            |                                                                                       |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                        | CFR47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 2 February 2017<br>RSS-Gen Issue 5 March 2019                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                                                            |                                                                                       |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                               | 2021-09-07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Please refer to Photo Document              |                                                            |                                                                                       |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                          | A003118481-001~010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                            |                                                                                       |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                             | 2021-09-15 – 2021-09-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                                                            |                                                                                       |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                        | TÜV Rheinland (Shenzhen)<br>Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |                                                            |                                                                                       |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                     | TÜV Rheinland (Shenzhen)<br>Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |                                                            |                                                                                       |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                              | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |                                                            |                                                                                       |
| <b>geprüft von:</b><br><i>tested by:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             | <b>genehmigt von:</b><br><i>authorized by:</i>             |  |
| <b>Datum:</b><br><i>Date:</i> 2021-09-22                                                                                                                                                                                                                                                                                                                                                                                                                   | Signed by: Bell Hu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             | <b>Ausstellungsdatum:</b><br><i>Issue date:</i> 2021-09-22 | Signed by: Lin Lin                                                                    |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                | Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             | <b>Stellung / Position:</b>                                | Reviewer                                                                              |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  | FCC ID: SHKASCEHB8, IC: 10978A-ASCEHB8, HVIN: S661<br>This report is for C2PC. Only radiated spurious emissions reported in this report, and please refer to original report 60394152 001 for other test items.                                                                                                                                                                                                                                                                                       |                                             |                                                            |                                                                                       |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                     | Prüfmuster vollständig und unbeschädigt<br><i>Test item complete and undamaged</i>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                            |                                                                                       |
| <b>* Legende:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft<br>P(ass) = entspricht o.g. Prüfgrundlage(n)      F(ail) = entspricht nicht o.g. Prüfgrundlage(n)      N/A = nicht anwendbar      N/T = nicht getestet<br><b>* Legend:</b> 1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor<br>P(ass) = passed a.m. test specification(s)      F(ail) = failed a.m. test specification(s)      N/A = not applicable      N/T = not tested |                                             |                                                            |                                                                                       |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br><i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                                                            |                                                                                       |

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## ***Test Summary***

### **5.1.1 ANTENNA REQUIREMENT**

*RESULT: Pass*

### **5.1.2 RADIATED SPURIOUS EMISSION**

*RESULT: Pass*

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# 1 General Remarks

## 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

## 2 Test Sites

### 2.1 Test Facilities

**TÜV Rheinland (Shenzhen) Co., Ltd.**

362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China

FCC Registration No.: 694916

ISED wireless device testing laboratory: 25069

### 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

| <b>Radio Spectrum Testing (TS8997)</b>    |                     |                   |                   |                   |
|-------------------------------------------|---------------------|-------------------|-------------------|-------------------|
| <b>Equipment</b>                          | <b>Manufacturer</b> | <b>Model</b>      | <b>Serial No.</b> | <b>Cal. until</b> |
| Wireless Connectivity Tester              | R&S                 | CMW270            | 101375            | 2022-08-09        |
| Signal Analyzer                           | R&S                 | FSV 40            | 101441            | 2022-08-09        |
| Vector Signal Generator                   | R&S                 | SMBV100A          | 263301            | 2022-08-09        |
| Signal Generator                          | R&S                 | SMB100A           | 115186            | 2022-08-09        |
| OSP                                       | R&S                 | OSP 150           | 101017            | 2021-12-10        |
| Control PC                                | DELL                | OptiPlex 7050     | FTJZ9P2           | N/A               |
| Test Software                             | R&S                 | WMS32 (V11.00.00) | N/A               | N/A               |
| Power Meter                               | R&S                 | NRP2              | 107105            | 2021-12-10        |
| Wideband Power Sensor                     | R&S                 | NRP-Z81           | 105677            | 2022-08-09        |
| Humid & Temp Programmable Tester          | BOST                | NTH090-60         | 19040801          | 2022-04-02        |
| Shielding Room 8#                         | Albatross           | SR8               | APC17151-SR8      | 2024-06-22        |
| <b>Unwanted Emission Testing (TS9975)</b> |                     |                   |                   |                   |
| <b>Equipment</b>                          | <b>Manufacturer</b> | <b>Model</b>      | <b>Serial No.</b> | <b>Cal. until</b> |
| EMI Test Receiver                         | R&S                 | ESR 7             | 102021            | 2022-08-10        |
| Signal Analyzer                           | R&S                 | FSV 40            | 101439            | 2022-08-09        |
| System Controller Interface               | R&S                 | SCI-100           | S10010038         | N/A               |
| Filterbank                                | R&S                 | Wlan              | 100759            | 2022-08-09        |
| OSP                                       | R&S                 | OSP 120           | 102040            | N/A               |
| Pre-amplifier                             | R&S                 | SCU08F1           | 08320031          | 2022-08-09        |
| Amplifier                                 | R&S                 | SCU-18F           | 180070            | 2022-08-09        |
| Amplifier                                 | R&S                 | SCU40A            | 100475            | 2022-08-09        |
| Trilog Broadband Antenna (30 MHz - 7 GHz) | Schwarzbeck         | VULB 9162         | 193               | 2022-08-08        |

|                                          |              |                   |              |            |
|------------------------------------------|--------------|-------------------|--------------|------------|
| Double-Ridged Antenna (1 -18 GHz)        | ETS-LINDGREN | 3117              | 00218717     | 2022-08-08 |
| Wideband Ridged Horn Antenna (18-40 GHz) | Steatite     | QMS-00880         | 19067        | 2022-08-08 |
| Active Loop Antenna                      | Schwarzbeck  | FMZB 1513         | 302          | 2022-09-13 |
| Test software                            | R&S          | EMC32 (V10.60.10) | N/A          | N/A        |
| Control PC                               | Dell         | OptiPlex 7050     | 36NV9P2      | N/A        |
| 3m Semi-Anechoic Chamber                 | Albatross    | SAC-3m            | APC17151-SAC | 2024-06-22 |

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

| Parameter                                              | Uncertainty                   |
|--------------------------------------------------------|-------------------------------|
| Radio Frequency                                        | $\pm 1 \times 10^{-7}$        |
| RF Power (conducted)                                   | $\pm 2.5$ dB                  |
| Radiated Emission of Transmitter, valid up to 26.5 GHz | $\pm 6$ dB                    |
| Radiated Emission of Receiver, valid up to 26.5 GHz    | $\pm 6$ dB                    |
| Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz) | $\pm 3.70$ dB / $\pm 3.30$ dB |
| Temperature                                            | $\pm 1$ °C                    |
| Humidity                                               | $\pm 5$ %                     |
| Voltage (DC)                                           | $\pm 1$ %                     |
| Voltage (AC, <10kHz)                                   | $\pm 2$ %                     |

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

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## 2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

## 3 General Product Information

### 3.1 Product Function and Intended Use

The EUT is a Bluetooth headset, which supports Bluetooth BR&EDR wireless technology.

This report is for C2PC, only radiated spurious emissions reported.

Bluetooth function will be disabled while in charging mode.

For details refer to the User Manual, Technical Description and Circuit Diagram.

### 3.2 Ratings and System Details

Table 2: Technical Specification of EUT

| General Information of EUT        | Value                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------|
| Kind of Equipment:                | OpenMove                                                                           |
| Type Designation:                 | S661                                                                               |
| FCC ID:                           | SHKASCEHB8                                                                         |
| IC:                               | 10978A-ASCEHB8                                                                     |
| PMN:                              | OpenMove                                                                           |
| HVIN:                             | S661                                                                               |
| Testing Voltage:                  | Internal battery operated (3.8Vdc)<br>or USB operated (adapter input voltage 5Vdc) |
| Antenna Type:                     | Integral Antenna                                                                   |
| Antenna Gain:                     | 1.5 dBi                                                                            |
| Technical Specification of BR/EDR |                                                                                    |
| Operating Frequency:              | 2402 MHz to 2480 MHz                                                               |
| Type of Modulation:               | GFSK(BR), $\pi/4$ -DQPSK(EDR), 8DPSK(EDR)                                          |
| Channel Number:                   | 79 channels                                                                        |
| Channel Separation:               | 1MHz                                                                               |

**Table 3: RF Channel and Frequency of BR/EDR**

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| <b>0</b>   | <b>2402.00</b>  | 20         | 2422.00         | 40         | 2442.00         | 60         | 2462.00         |
| 1          | 2403.00         | 21         | 2423.00         | 41         | 2443.00         | 61         | 2463.00         |
| 2          | 2404.00         | 22         | 2424.00         | 42         | 2444.00         | 62         | 2464.00         |
| 3          | 2405.00         | 23         | 2425.00         | 43         | 2445.00         | 63         | 2465.00         |
| 4          | 2406.00         | 24         | 2426.00         | 44         | 2446.00         | 64         | 2466.00         |
| 5          | 2407.00         | 25         | 2427.00         | 45         | 2447.00         | 65         | 2467.00         |
| 6          | 2408.00         | 26         | 2428.00         | 46         | 2448.00         | 66         | 2468.00         |
| 7          | 2409.00         | 27         | 2429.00         | 47         | 2449.00         | 67         | 2469.00         |
| 8          | 2410.00         | 28         | 2430.00         | 48         | 2450.00         | 68         | 2470.00         |
| 9          | 2411.00         | 29         | 2431.00         | 49         | 2451.00         | 69         | 2471.00         |
| 10         | 2412.00         | 30         | 2432.00         | 50         | 2452.00         | 70         | 2472.00         |
| 11         | 2413.00         | 31         | 2433.00         | 51         | 2453.00         | 71         | 2473.00         |
| 12         | 2414.00         | 32         | 2434.00         | 52         | 2454.00         | 72         | 2474.00         |
| 13         | 2415.00         | 33         | 2435.00         | 53         | 2455.00         | 73         | 2475.00         |
| 14         | 2416.00         | 34         | 2436.00         | 54         | 2456.00         | 74         | 2476.00         |
| 15         | 2417.00         | 35         | 2437.00         | 55         | 2457.00         | 75         | 2477.00         |
| 16         | 2418.00         | 36         | 2438.00         | 56         | 2458.00         | 76         | 2478.00         |
| 17         | 2419.00         | 37         | 2439.00         | 57         | 2459.00         | 77         | 2479.00         |
| 18         | 2420.00         | 38         | 2440.00         | 58         | 2460.00         | 78         | <b>2480.00</b>  |
| 19         | 2421.00         | 39         | <b>2441.00</b>  | 59         | 2461.00         |            |                 |

Test frequencies are lowest channel: 2402 MHz, middle channel: 2441 MHz and highest channel: 2480 MHz for General 2.4GHz

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode (BR & EDR mode)
  - 1) Low Channel
  - 2) Middle Channel
  - 3) High Channel
- B. On, Transmitting on Hopping channel
- C. Off

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

### 3.5 Submitted Documents

- Application Form
- User Manual
- Rating Label

## 4 Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, tests were performed on model S661 in this report.

### 4.3 Special Accessories and Auxiliary Equipment

Table 4: Auxiliary Equipment Used during Test

| Description | Manufacturer | Model | S/N       |
|-------------|--------------|-------|-----------|
| Laptop      | Lenovo       | T480  | PF-16A6N8 |

### 4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

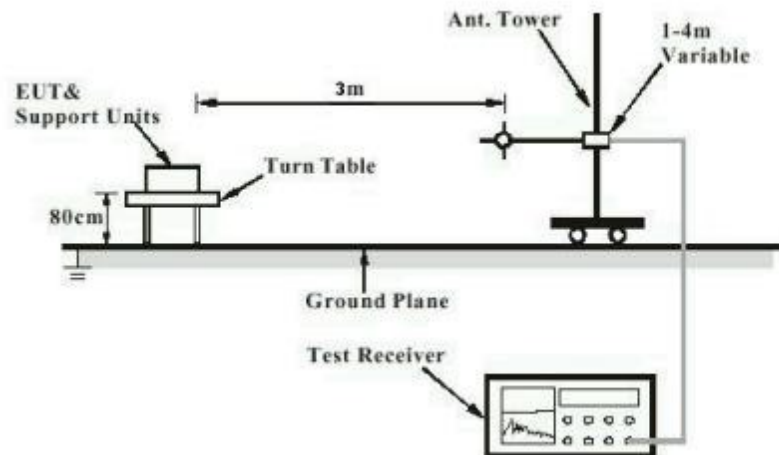
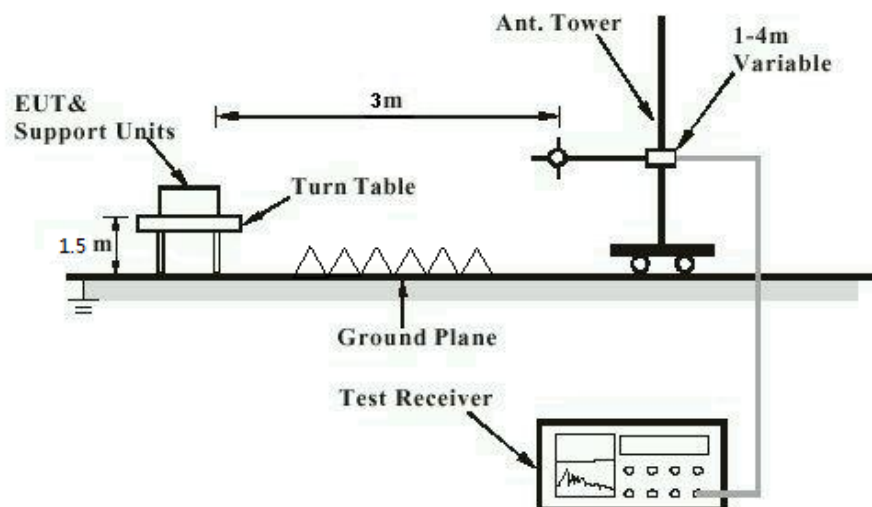
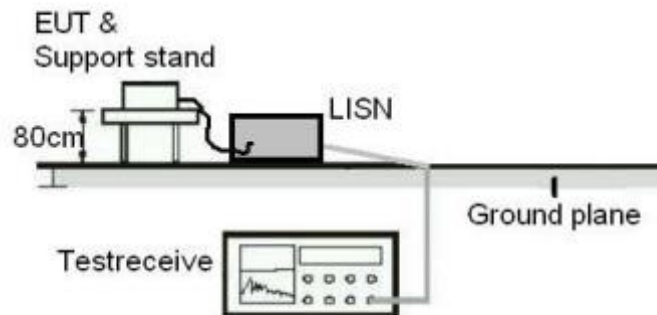


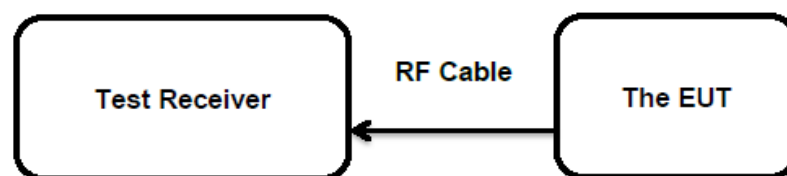
Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



### Diagram of Measurement Configuration for Mains Conduction Measurement



### Diagram of Measurement Configuration for Conducted Transmitter Measurement



## 5 Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:**

**Pass**

**Test Specification**

Test standard : FCC Part 15.247(b)(4) and Part 15.203  
RSS-Gen Clause 6.8

According to the manufacturer declared, the EUT has a Integral antenna, the directional gain of antenna is 1.5 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

## 5.1.2 Radiated Spurious Emission

**RESULT:****Pass****Test Specification**

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Test standard     | : FCC Part 15.247(d) & FCC Part 15.205<br>RSS-247 Clause 3.3             |
| Basic standard    | : ANSI C63.10: 2013                                                      |
| Limits            | : Refer to 15.209(a) of FCC part 15.247(d)<br>RSS-Gen Section 8.9 & 8.10 |
| Kind of test site | : 3m Semi-anechoic Chamber                                               |

**Test Setup**

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| Date of testing     | : 2021-09-15                                                     |
| Input voltage       | : USB operated (adapter input voltage 5Vdc)                      |
| Operation mode      | : A                                                              |
| Test channel        | : Refer to test result <b>Error! Reference source not found.</b> |
| Ambient temperature | : Refer to test result                                           |
| Relative humidity   | : Refer to test result                                           |

**Remark:**

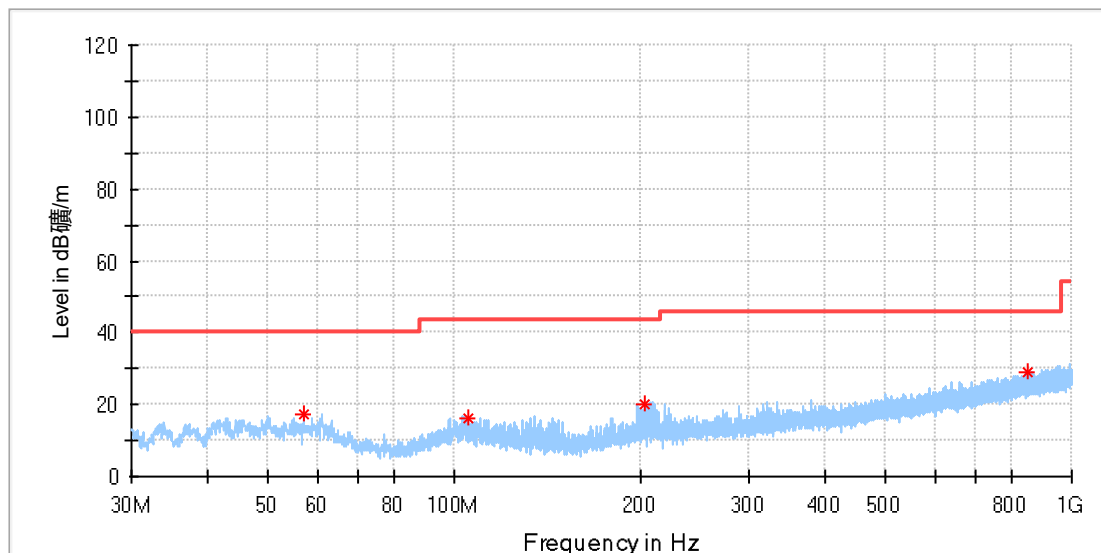
Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case (BDR) spurious emissions were reported.

The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_Low channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

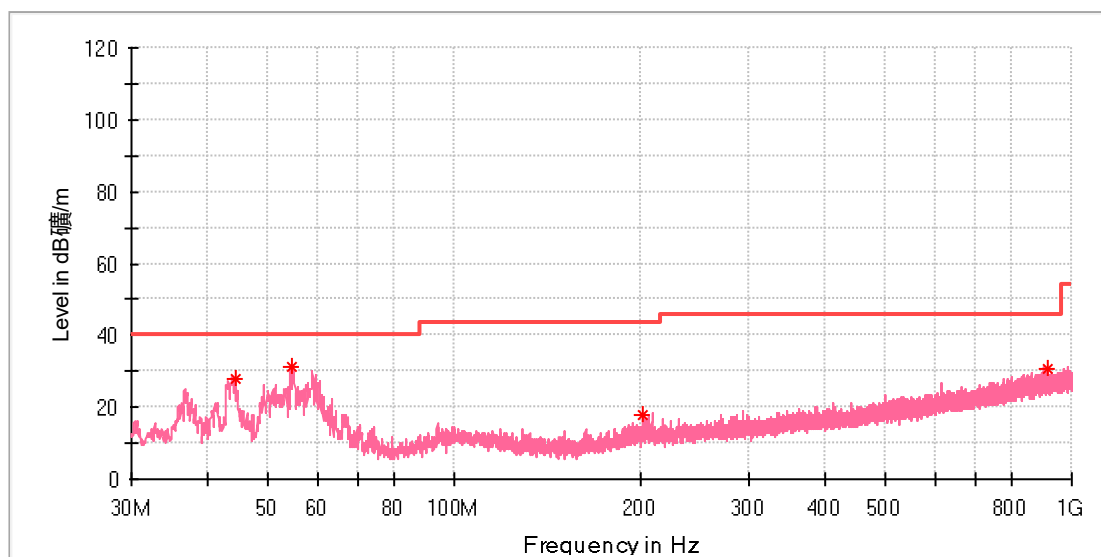


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 57.160000       | 17.13            | 40.00          | 22.87       | 100.0       | H   | 28.0          | -18.7        |
| 105.029500      | 16.29            | 43.50          | 27.21       | 100.0       | H   | 134.0         | -18.7        |
| 203.727000      | 20.29            | 43.50          | 23.21       | 100.0       | H   | 307.0         | -18.9        |
| 848.777000      | 29.22            | 46.00          | 16.78       | 100.0       | H   | 197.0         | -5.5         |

## EUT Information

EUT Name: Bluetooth Earphone  
Model: S661  
Test Mode: BDR\_DH5\_Low channel  
Test Voltage:: 120V/60Hz  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

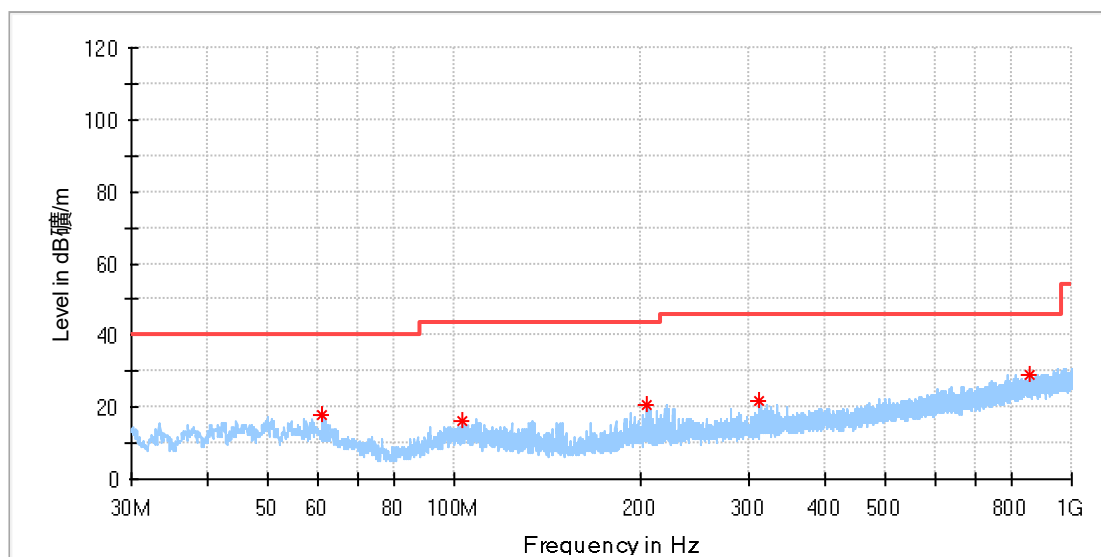


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 44.113500       | 28.17            | 40.00          | 11.83       | 100.0       | V   | 126.0         | -19.0        |
| 54.395500       | 31.35            | 40.00          | 8.65        | 100.0       | V   | 142.0         | -18.4        |
| 201.641500      | 18.10            | 43.50          | 25.40       | 100.0       | V   | 0.0           | -18.9        |
| 916.289000      | 30.46            | 46.00          | 15.54       | 100.0       | V   | 246.0         | -4.9         |

## EUT Information

EUT Name: Bluetooth Earphone  
Model: S661  
Test Mode: BDR\_DH5\_High channel  
Test Voltage:: 120V/60Hz  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

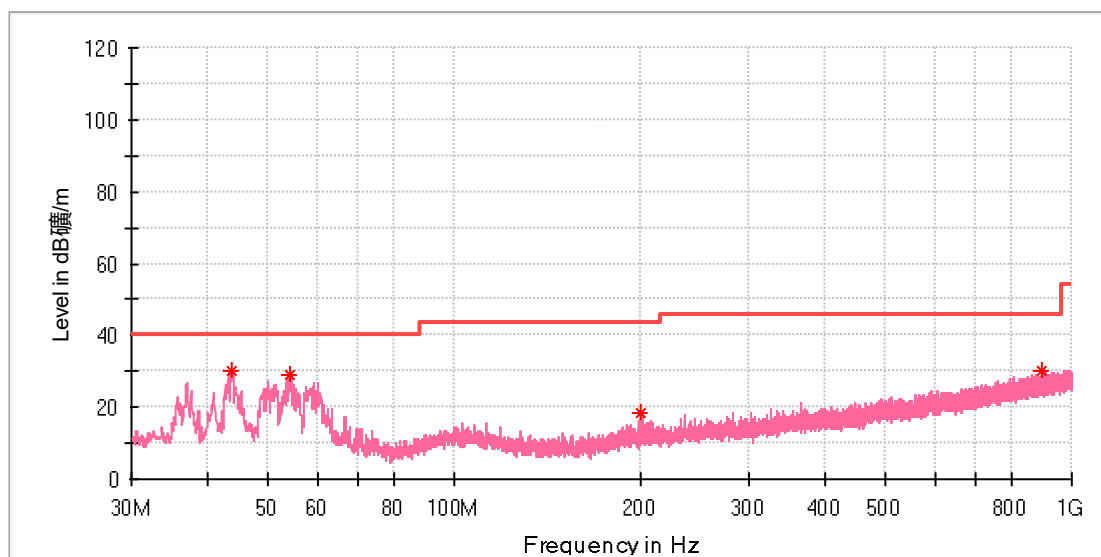


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 61.185500       | 17.84            | 40.00          | 22.16       | 100.0       | H   | 354.0         | -19.2        |
| 103.235000      | 16.29            | 43.50          | 27.21       | 100.0       | H   | 153.0         | -18.8        |
| 205.085000      | 20.76            | 43.50          | 22.74       | 100.0       | H   | 181.0         | -18.9        |
| 312.658000      | 21.88            | 46.00          | 24.12       | 100.0       | H   | 32.0          | -15.9        |
| 854.015000      | 28.93            | 46.00          | 17.07       | 100.0       | H   | 314.0         | -5.4         |

## EUT Information

EUT Name: Bluetooth Earphone  
Model: S661  
Test Mode: BDR\_DH5\_High channel  
Test Voltage:: 120V/60Hz  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

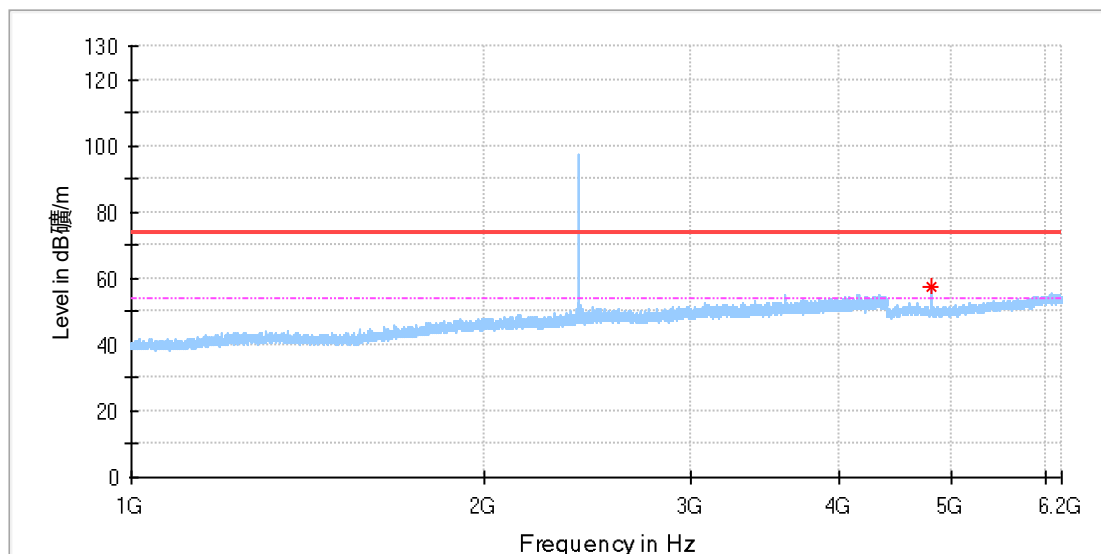
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 43.725500       | 30.10            | 40.00          | 9.90        | 100.0       | V   | 202.0         | -19.1        |
| 54.347000       | 29.17            | 40.00          | 10.83       | 100.0       | V   | 0.0           | -18.4        |
| 200.671500      | 18.38            | 43.50          | 25.12       | 100.0       | V   | 11.0          | -18.9        |
| 892.233000      | 29.87            | 46.00          | 16.13       | 100.0       | V   | 82.0          | -5.0         |

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

## EUT Information

|                |                     |
|----------------|---------------------|
| EUT Name:      | Bluetooth Earphone  |
| Model:         | S661                |
| Test Mode:     | BDR_DH5_Low channel |
| Test Voltage:: | 120V/60Hz           |
| Remark:        | Temp 24 Humi:47%    |
| Test Standard: | FCC 15.247          |
| Tested By:     | Kei Zhang           |
| Reviewed By:   | Terry Yin           |

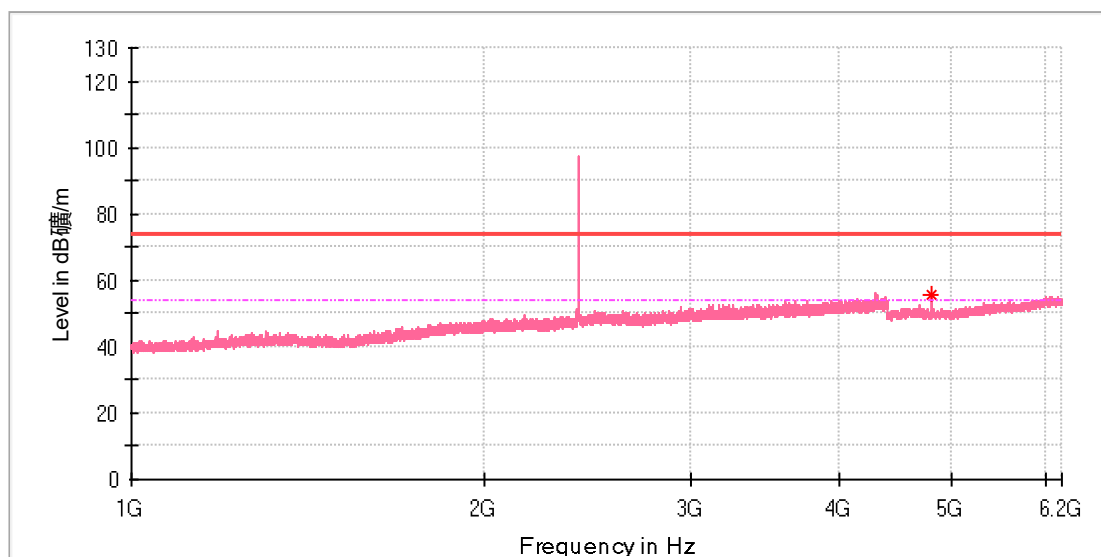


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4803.500000     | 57.17            | ---              | 74.00          | 16.83       | 100.0       | H   | 255.0         | 11.8         |
| 4803.500000     | --               | 33.65            | 54.00          | 20.35       | 100.0       | H   | 255.0         | 11.8         |

## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_Low channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

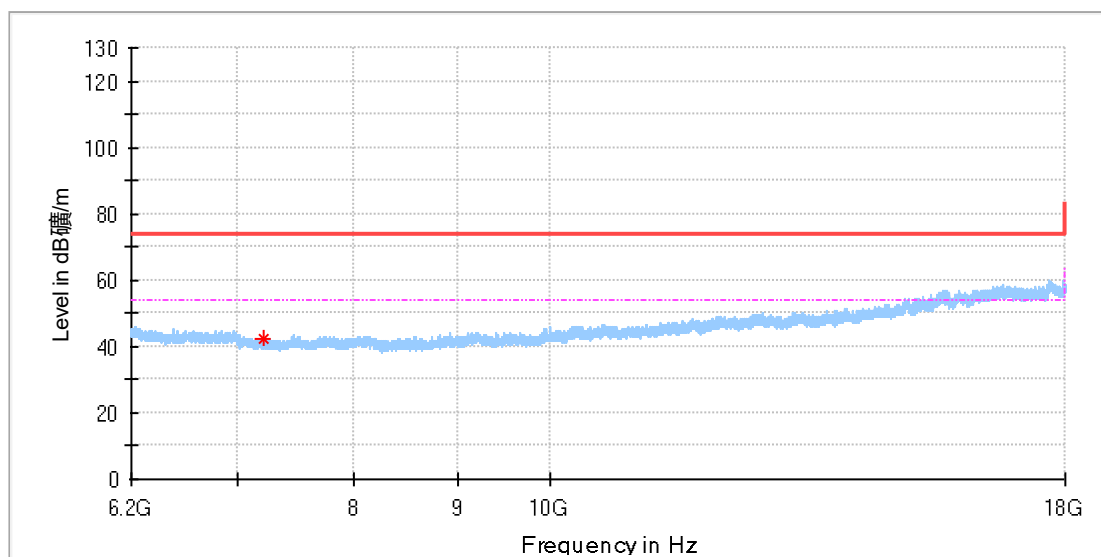
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4804.000000     | 55.72            | ---              | 74.00          | 18.28       | 100.0       | V   | 265.0         | 11.8         |
| 4804.000000     | --               | 32.20            | 54.00          | 21.80       | 100.0       | V   | 265.0         | 11.8         |

**Prüfbericht - Nr.: CN21VLZ8 001**  
*Test Report No.*

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## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_Low channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

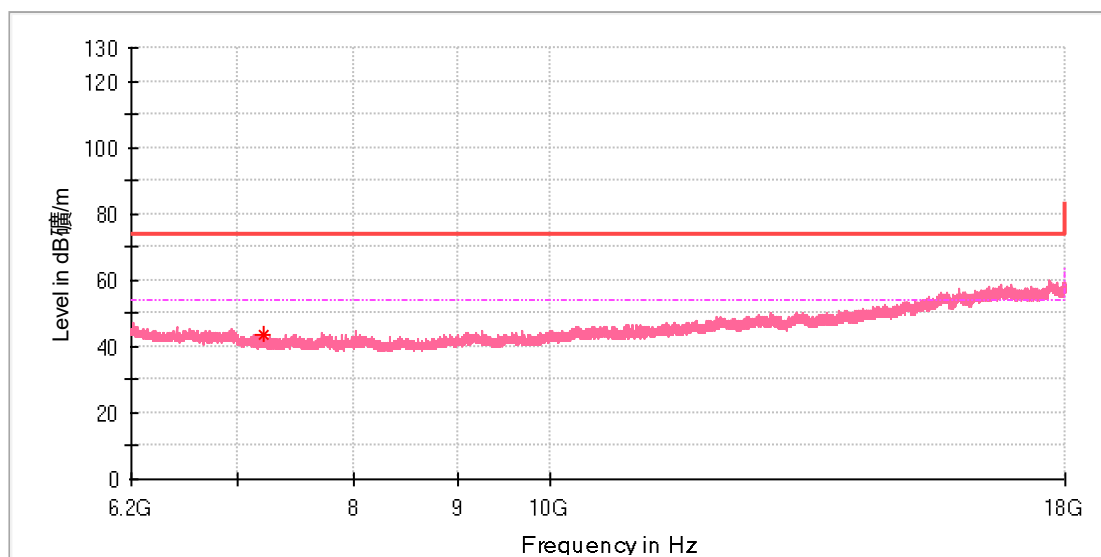
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.458333     | 42.22            | ---              | 74.00          | 31.78       | 100.0       | H   | 333.0         | 8.8          |

**Prüfbericht - Nr.: CN21VLZ8 001**  
*Test Report No.*

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## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_Low channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

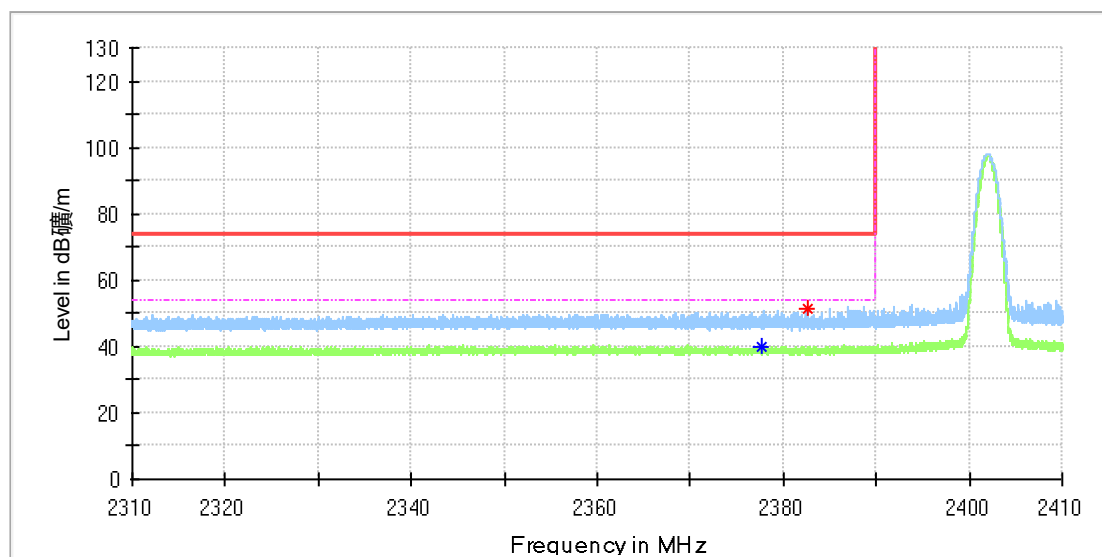


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.950000     | 43.44            | ---              | 74.00          | 30.56       | 100.0       | V   | 346.0         | 8.8          |

## EUT Information

EUT Name: Bluetooth Earphone  
Model: S661  
Test Mode: BDR\_DH5\_Low channel  
Test Voltage:: 120V/60Hz  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

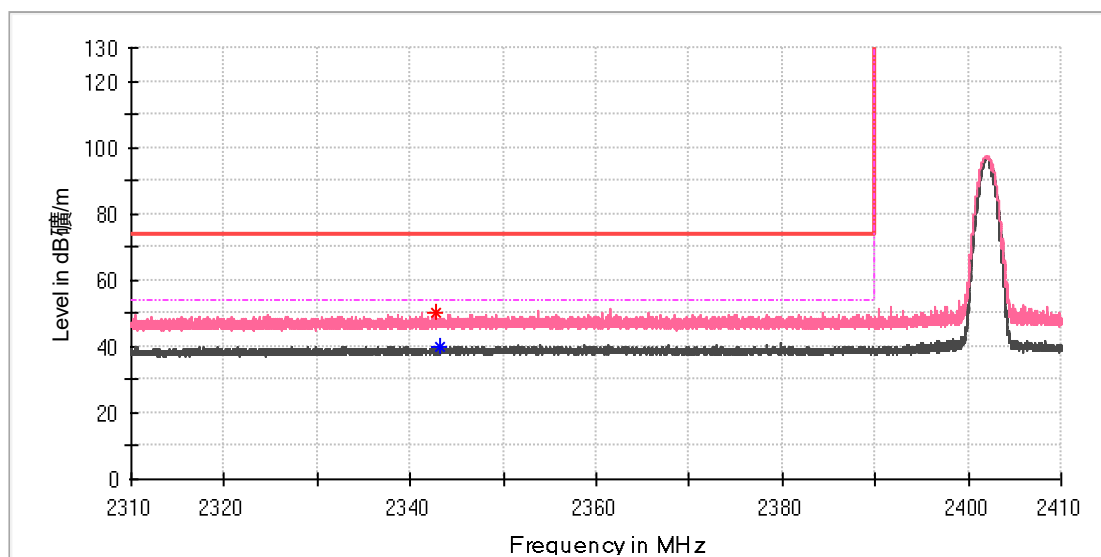


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2377.720000     | ---              | 39.71            | 54.00          | 14.29       | 100.0       | H   | 10.0          | 6.9          |
| 2382.705000     | 51.44            | ---              | 74.00          | 22.56       | 100.0       | H   | 249.0         | 7.0          |

## EUT Information

EUT Name: Bluetooth Earphone  
Model: S661  
Test Mode: BDR\_DH5\_Low channel  
Test Voltage:: 120V/60Hz  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

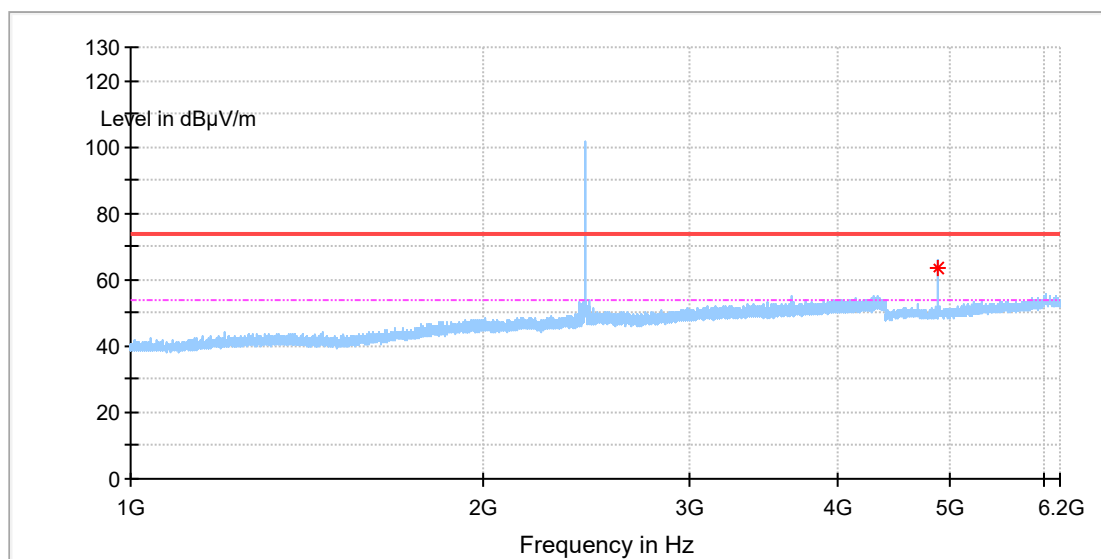
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2342.755000     | 50.33            | ---              | 74.00          | 23.67       | 100.0       | V   | 196.0         | 6.8          |
| 2343.145000     | ---              | 40.19            | 54.00          | 13.81       | 100.0       | V   | 330.0         | 6.8          |

**Prüfbericht - Nr.: CN21VLZ8 001**  
*Test Report No.*

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## EUT Information

|                |                     |
|----------------|---------------------|
| EUT Name:      | Bluetooth Earphone  |
| Model:         | S661                |
| Test Mode:     | BDR_DH5_Mid channel |
| Test Voltage:: | 120V/60Hz           |
| Remark:        | Temp 24 Humi:47%    |
| Test Standard: | FCC 15.247          |
| Tested By:     | Kei Zhang           |
| Reviewed By:   | Terry Yin           |

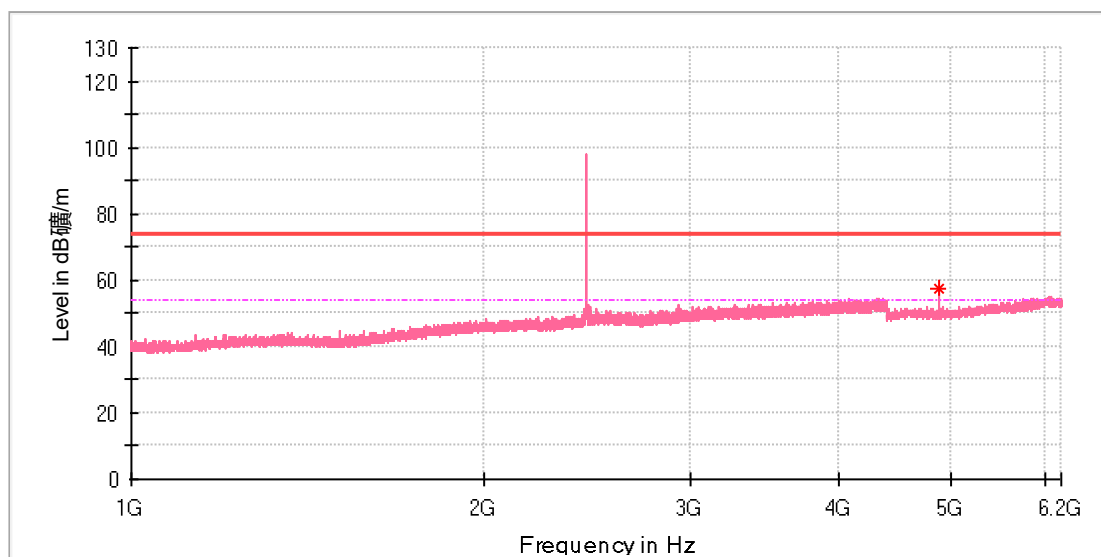


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4882.000000     | 63.70            | ---              | 74.00          | 10.30       | 100.0       | H   | 70.0          | 11.8         |
| 4882.000000     | ---              | 40.18            | 54.00          | 13.82       | 100.0       | H   | 70.0          | 11.8         |

## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_Mid channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

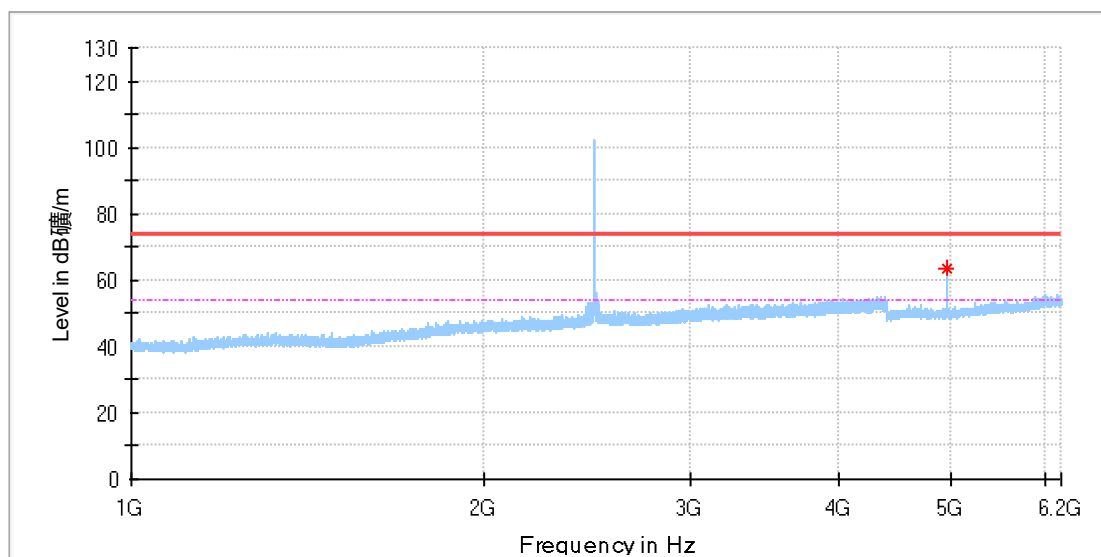


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4882.000000     | 57.24            | ---              | 74.00          | 16.76       | 100.0       | V   | 73.0          | 11.8         |
| 4882.000000     | ---              | 33.72            | 54.00          | 20.28       | 100.0       | V   | 73.0          | 11.8         |

## EUT Information

|                |                      |
|----------------|----------------------|
| EUT Name:      | Bluetooth Earphone   |
| Model:         | S661                 |
| Test Mode:     | BDR_DH5_High channel |
| Test Voltage:: | 120V/60Hz            |
| Remark:        | Temp 24 Humi:47%     |
| Test Standard: | FCC 15.247           |
| Tested By:     | Kei Zhang            |
| Reviewed By:   | Terry Yin            |

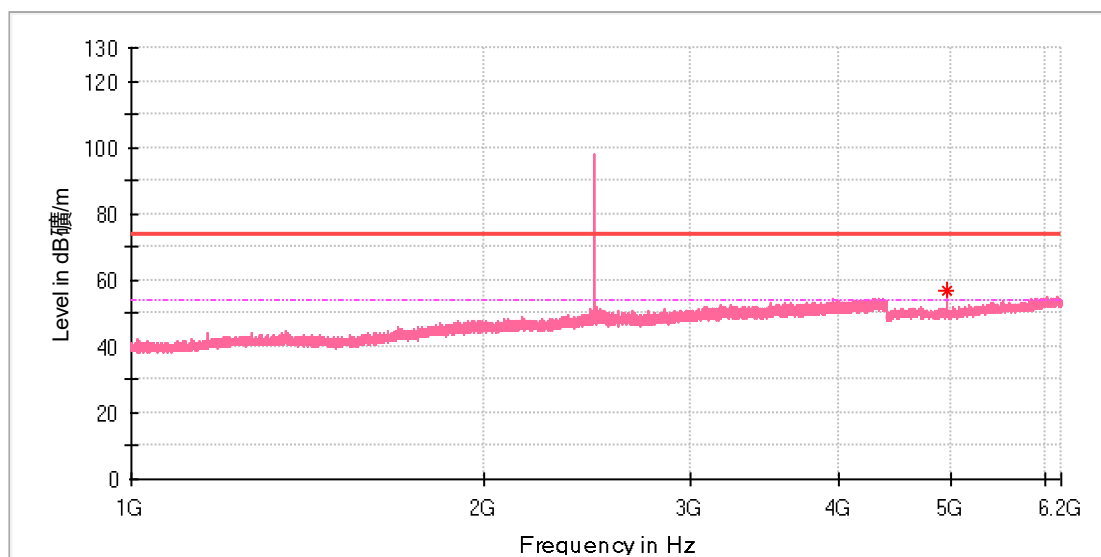


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4960.000000     | 63.66            | ---              | 74.00          | 10.34       | 100.0       | H   | 132.0         | 11.8         |
| 4960.000000     | ---              | 40.14            | 54.00          | 13.86       | 100.0       | H   | 132.0         | 11.8         |

## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_High channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

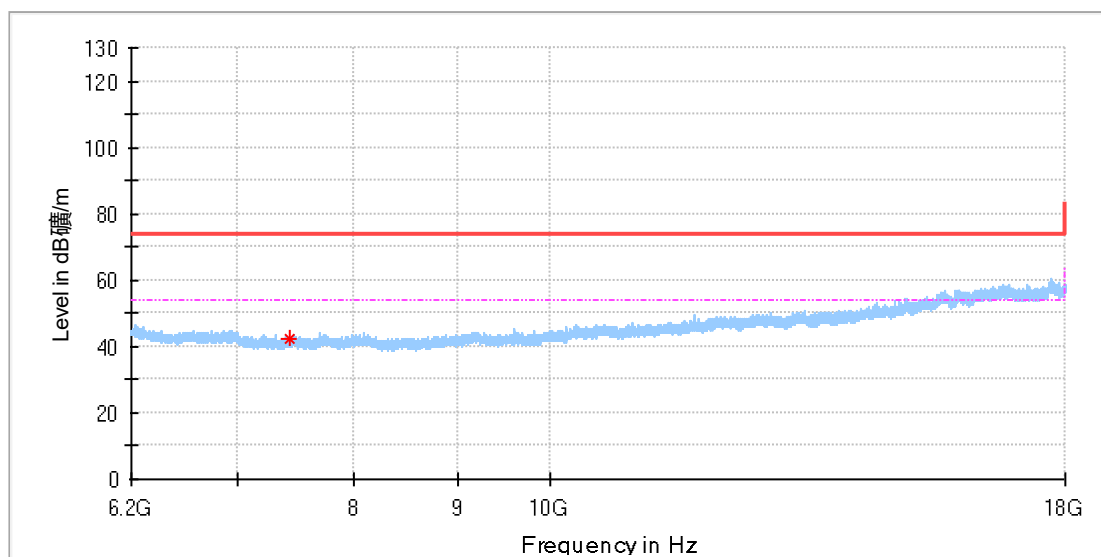


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4959.500000     | 56.87            | ---              | 74.00          | 17.13       | 100.0       | V   | 140.0         | 11.8         |
| 4959.500000     | ---              | 33.32            | 54.00          | 20.68       | 100.0       | V   | 140.0         | 11.8         |

## EUT Information

|                |                      |
|----------------|----------------------|
| EUT Name:      | Bluetooth Earphone   |
| Model:         | S661                 |
| Test Mode:     | BDR_DH5_High channel |
| Test Voltage:: | 120V/60Hz            |
| Remark:        | Temp 24 Humi:47%     |
| Test Standard: | FCC 15.247           |
| Tested By:     | Kei Zhang            |
| Reviewed By:   | Terry Yin            |



## Critical\_Freqs

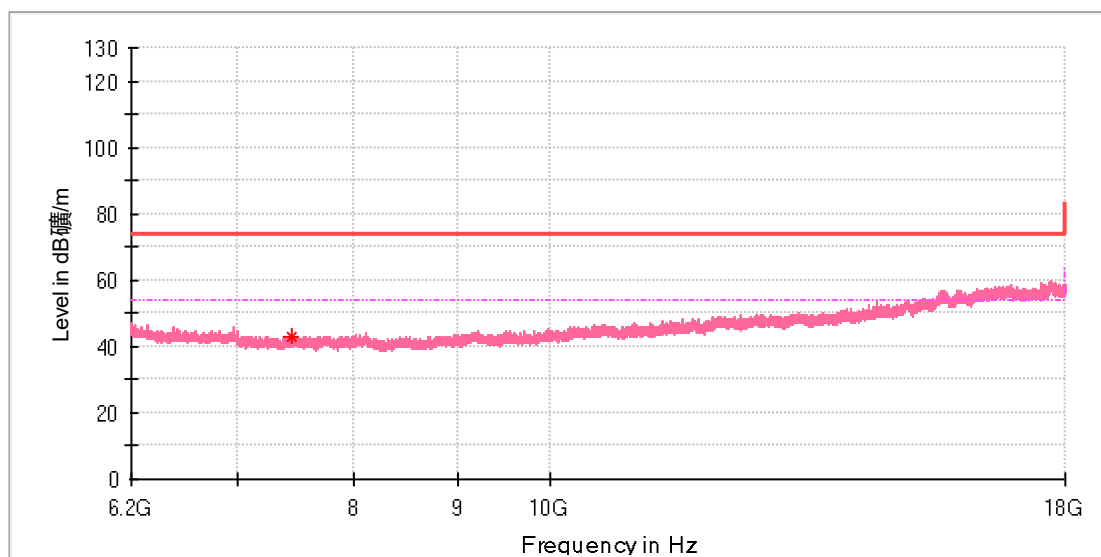
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7432.608333     | 42.18            | ---              | 74.00          | 31.82       | 100.0       | H   | 0.0           | 8.4          |

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## EUT Information

EUT Name: Bluetooth Earphone  
 Model: S661  
 Test Mode: BDR\_DH5\_High channel  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7439.491667     | 42.70            | ---              | 74.00          | 31.30       | 100.0       | V   | 253.0         | 8.4          |

## 6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

## 7 List of Tables

|                                                      |    |
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