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CNAS L0446



Certification # 2861.01

GRGTEST

TEST REPORT

Verified Code: 105941

| | | | | | | |
|--|---|--|-------------------------|---------------|--|--|
| Report No.: | E202012093384-1-G1 | | Application No.: | E202012093384 | | |
| Client: | Realme Chongqing Mobile Telecommunications Corp., Ltd. | | | | | |
| Address: | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China. | | | | | |
| Sample Description: | realme Buds Q2 | | | | | |
| Model: | RMA2010 | | | | | |
| Test Specification: | FCC 47 CFR Part 15 Subpart B | | | | | |
| Receipt Date: | 2020-12-11 | | | | | |
| Test Date: | 2020-12-15 to 2020-12-30 | | | | | |
| Issue Date: | 2021-01-22 | | | | | |
| Test Result: | Pass | | | | | |
| Prepared By: Test Engineer <i>Xie Fang</i> | Reviewed By: Technical Manager <i>Jiang Tao</i> | Approved By: Manager <i>Wu Chayrong</i> | | | | |
| Other Aspects: Note: This report instead the report E202012093384-1, and from the date of issuance of this report, the report which being replaced become invalid. | | | | | | |
| Abbreviations: <i>ok / P = passed; fail / F = failed; n.a. / N = not applicable;</i> | | | | | | |
| The test result in this test report refers exclusively to the presented test sample. This report shall not be reproduced except in full, without the written approval of GRGT. | | | | | | |



DIRECTIONS OF TEST

- 1. This station carries out test task according to the national regulation of verifications which can be traced to National Primary Standards and BIPM.**
- 2. The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.**
- 3. If there is any objection concerning the test, the client should inform the laboratory within 15 days from the date of receiving the test report.**

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1. TEST RESULT SUMMARY

| Test Item | Test mode | Test Requirement | Test Method | Class / Severity | Test Result |
|---------------------|----------------|------------------------------|-----------------|----------------------|-------------|
| Conduction Emission | mode 1 | FCC 47 CFR Part 15 Subpart B | ANSI C63.4:2014 | Meet standard limits | PASS |
| Radiated Emission | mode 1, mode 2 | FCC 47 CFR Part 15 Subpart B | ANSI C63.4:2014 | Meet standard limits | PASS |

2. GENERAL DESCRIPTION OF EUT

2.1 APPLICANT

Name: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

2.2 MANUFACTURER

Name: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

2.3 FACTORY

Name : /
Address : /

2.4 BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Equipment: realme Buds Q2
Model No.: RMA2010
Adding Models: /
Sample No: 0001
Trade Name: realme
Work Frequency: 2402MHz – 2480MHz
Power Supply: DC5V power supplied by charging case
DC 3.7V power supplied by the earphone battery or charging case
Earphone Battery Specification: ZWD541112
3.7V, 40mAh, 0.15Wh
Charging Case Battery Specification: ZWD802028
3.7V, 400mAh, 1.48Wh
Sample submitting way: Provided by customer Sampling
Note: /

2.5 TEST MODE

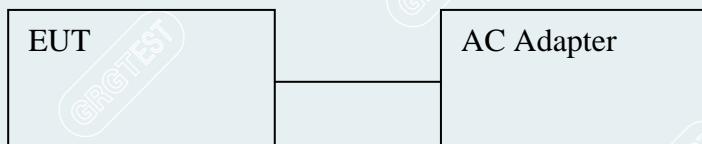
| Mode No. | Description of the modes |
|----------|--|
| Mode 1 | The EUT is charging |
| Mode 2 | The EUT connects to the phone's Bluetooth and plays 1kHz audio |

2.6 LOCAL SUPPORTIVE INSTRUMENTS

| Name of Equipment | Manufacturer | Model | Serial Number | Note |
|-------------------|--------------|--------------|---------------|-----------------|
| AC Adapter | Apple | A1443 | / | / |
| Phone | Apple | Iphone 7Plus | / | / |
| Cable | | | | |
| USB Cable | / | / | / | Unshielded 0.5m |

2.7 CONFIGURATION OF SYSTEM UNDER TEST

Mode 1:



Mode 2:



3. LABORATORY AND ACCREDITATIONS

3.1 LABORATORY

The tests & measurements refer to this report were performed by Shenzhen EMC Laboratory of Guangzhou GRG Metrology & Test Co., Ltd.

Add.: No.1301 Guanguang Road Xinlan Community, Guanlan Street, Longhua District Shenzhen, 518110, People's Republic of China.
 P.C.: 518000
 Tel : 0755-61180008
 Fax: 0755-61180008

3.2 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to GB/T 27025(ISO/IEC 17025:2017)

USA A2LA(Certificate #:2861.01)
China CNAS(L0446)

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada Industry Canada
USA FCC

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.grgtest.com>

3.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Measurement | Frequency | Uncertainty |
|------------------------|-------------------|-------------|
| Conduction Emission | 9 kHz ~ 150 kHz | 2.2 dB |
| | 150 kHz ~ 30 MHz | 2.8 dB |
| Radiated Emission (3m) | 30MHz~200MHz(H) | 4.3 dB |
| | 200MHz~1000MHz(H) | 4.5 dB |
| | 30MHz~200MHz(V) | 4.4 dB |
| | 200MHz~1000MHz(V) | 4.5 dB |
| | 1GHz~18GHz(H) | 4.5 dB |
| | 1GHz~18GHz(V) | 4.5 dB |
| | | |
| | | |

4. LIST OF USED TEST EQUIPMENT AT GRGT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|---------------------------------------|--------------|--------------|---------------|-----------------|
| Conduction Emission | | | | |
| Test software | EZ | CCS-3A1-CE | / | / |
| Test Receiver | R&S | ESCI | 100783 | 2021-10-08 |
| LISN(EUT) | R&S | ENV216 | 101543 | 2021-03-24 |
| Radiated Emission (Below 1GHz) | | | | |
| Test software | EZ | CCS-2ANT | / | / |
| Test Receiver | R&S | ESCI | 100145 | 2021-10-07 |
| Preamplifiers | EMEC | EM330 | / | 2021-04-01 |
| Bi-Log Antenna | TESEQ | CBL6143A | 26039 | 2021-11-25 |
| Radiated Emission (Above 1GHz) | | | | |
| EMI Receiver | R&S | ESU26 | EMC2014-G260 | 2021-09-22 |
| Preamplifiers | Tonscend | TAP037030 | AP20E8060081 | 2021-06-28 |
| Preamplifiers | Tonscend | TAP001018048 | AP20E8060075 | 2021-06-28 |
| Horn antenna | Schwarzbeck | BBHA 9120D | 02143 | 2021-12-17 |
| Preamplifiers | Tonscend | TAP-184050 | AP20E806070 | 2021-06-16 |
| Dual ridge wide band horn antenna | Schwarzbeck | BBHA 9170 | BBHA 9170-497 | 2021-11-05 |

5. EMISSION TEST

5.1 CONDUCTION EMISSION MEASUREMENT

5.1.1 LIMITS

| Frequency range (MHz) | Class B Limits (dB μ V) | |
|--------------------------|-----------------------------|---------|
| | Quasi-peak | Average |
| 0.15 ~ 0.5 | 66 - 56 | 56 - 46 |
| 0.50 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases in line with the logarithm of the frequency in the range of 150 kHz to 0.5MHz.

(3) All emanations from a class B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.1.2 TEST PROCEDURE

Procedure of Preliminary Test

- The EUT and Support equipment, if needed, was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment received DC power from adapter and adapter received AC120V/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- All support equipment power received from a second LISN.
- The EUT test program was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

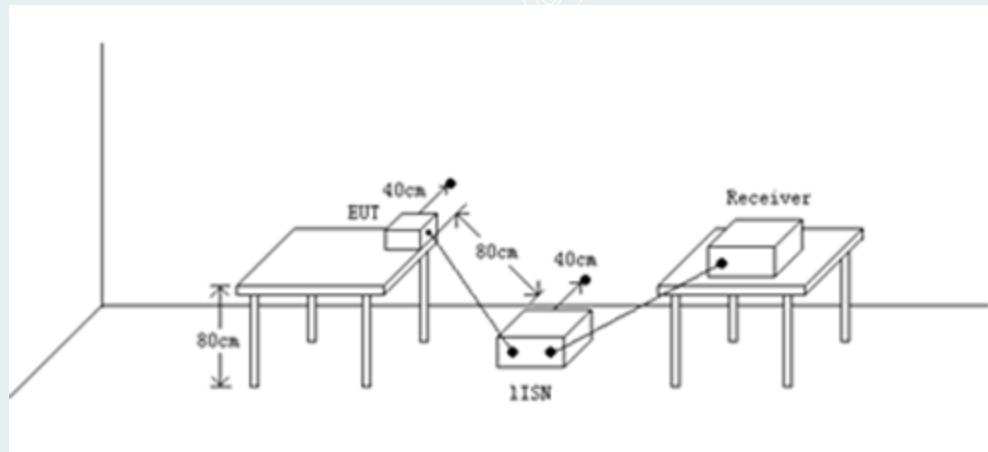
Procedure of Final Test

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest

emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

- The test data of the worst-case condition(s) was recorded.

5.1.3 TEST SETUP



5.1.4 DATA SAMPLE

| Frequency (MHz) | QuasiPeak Reading (dBuV) | Average Reading (dBuV) | Correction Factor (dB) | QuasiPeak Result (dBuV) | Average Result (dBuV) | QuasiPeak Limit (dBuV) | Average Limit (dBuV) | QuasiPeak Margin (dB) | Average Margin (dB) | Remark (Pass/Fail) |
|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| X.XXXX | 24.60 | 10.97 | 19.90 | 44.50 | 30.87 | 56.00 | 46.00 | -11.50 | -15.13 | Pass |

Factor = Insertion loss of LISN + Cable Loss

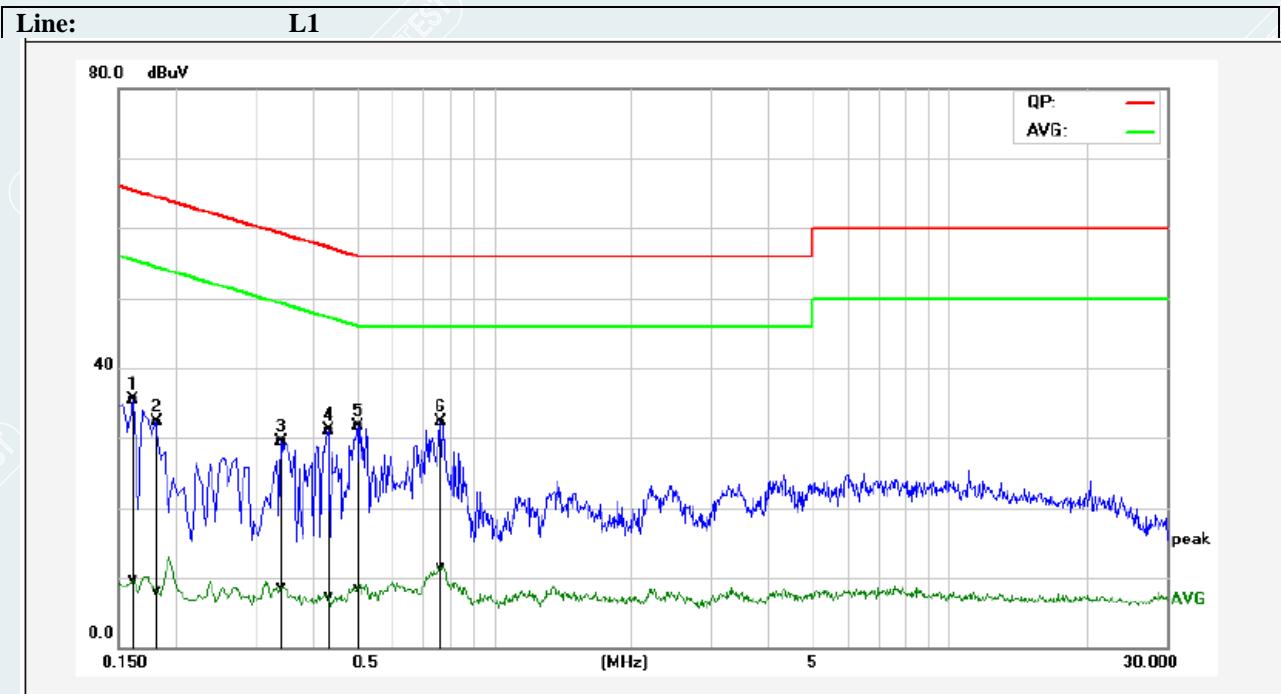
Result = Quasi-peak Reading/ Average Reading + Factor

Limit = Limit stated in standard

Margin = Result (dBuV) – Limit (dBuV)

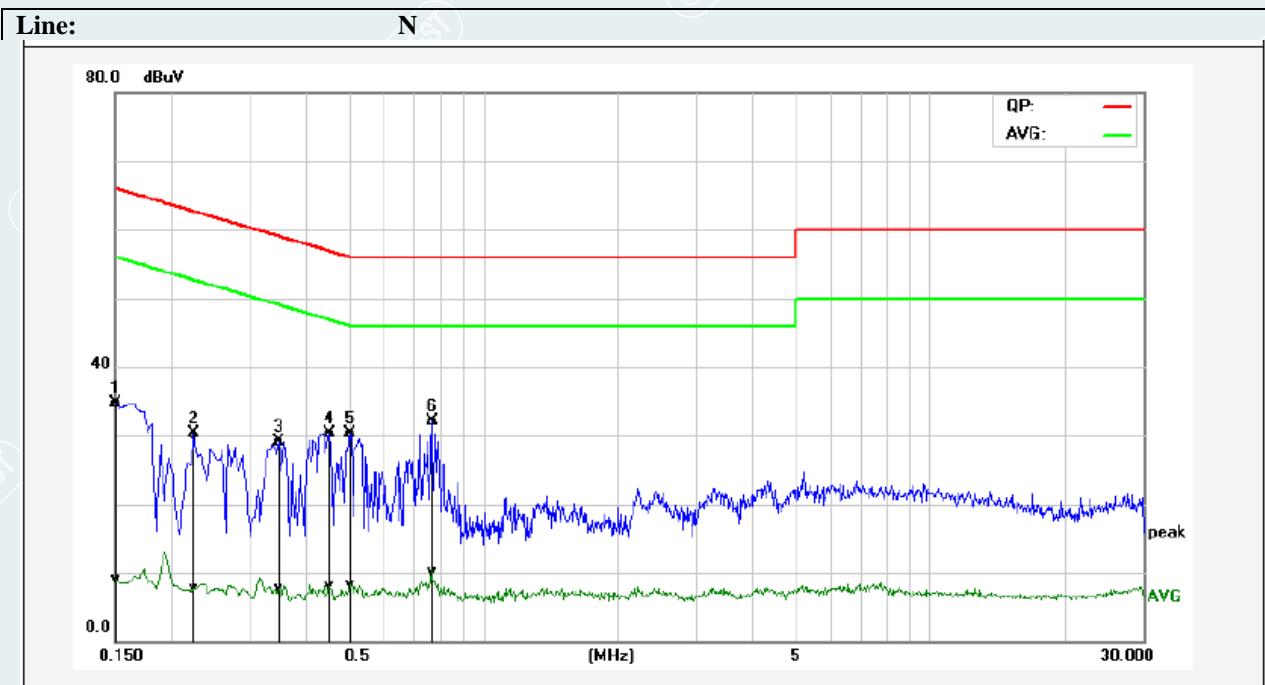
5.1.5 TEST RESULTS

| | | | |
|--------------------------|---------------------|------------|------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 24.2°C/46%RH/101kPa | Test Mode | Mode 1 |
| Power supply | AC120V/60Hz | Tested By | Wu Haoting |
| Test Date | 2020/12/16 | Sample No. | 0001 |



| No. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------|
| 1 | 0.1620 | 25.80 | 0.07 | 9.61 | 35.41 | 9.68 | 65.36 | 55.36 | -29.95 | -45.68 | Pass |
| 2 | 0.1819 | 22.74 | -1.45 | 9.61 | 32.35 | 8.16 | 64.39 | 54.40 | -32.04 | -46.24 | Pass |
| 3 | 0.3420 | 19.93 | -0.99 | 9.61 | 29.54 | 8.62 | 59.15 | 49.15 | -29.61 | -40.53 | Pass |
| 4 | 0.4340 | 21.47 | -2.33 | 9.62 | 31.09 | 7.29 | 57.18 | 47.18 | -26.09 | -39.89 | Pass |
| 5 | 0.5020 | 22.17 | -1.02 | 9.62 | 31.79 | 8.60 | 56.00 | 46.00 | -24.21 | -37.40 | Pass |
| 6* | 0.7660 | 22.61 | 1.82 | 9.61 | 32.22 | 11.43 | 56.00 | 46.00 | -23.78 | -34.57 | Pass |

| | | | |
|--------------------------|----------------------|------------|------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 24.2 °C/46%RH/101kPa | Test Mode | Mode 1 |
| Power supply | AC120V/60Hz | Tested By | Wu Haoting |
| Test Date | 2020/12/16 | Sample No. | 0001 |



| No. | Frequency | QuasiPeak reading | Average reading | Correction factor | QuasiPeak result | Average result | QuasiPeak limit | Average limit | QuasiPeak margin | Average margin | Remark |
|-----|-----------|-------------------|-----------------|-------------------|------------------|----------------|-----------------|---------------|------------------|----------------|--------|
| | (MHz) | (dBuV) | (dBuV) | (dB) | (dBuV) | (dBuV) | (dBuV) | (dBuV) | (dB) | (dB) | |
| 1 | 0.1500 | 25.18 | -0.52 | 9.61 | 34.79 | 9.09 | 65.99 | 56.00 | -31.20 | -46.91 | Pass |
| 2 | 0.2260 | 20.59 | -1.88 | 9.61 | 30.20 | 7.73 | 62.59 | 52.60 | -32.39 | -44.87 | Pass |
| 3 | 0.3500 | 19.48 | -1.99 | 9.61 | 29.09 | 7.62 | 58.96 | 48.96 | -29.87 | -41.34 | Pass |
| 4 | 0.4540 | 20.74 | -1.60 | 9.62 | 30.36 | 8.02 | 56.80 | 46.80 | -26.44 | -38.78 | Pass |
| 5 | 0.5020 | 20.68 | -1.41 | 9.62 | 30.30 | 8.21 | 56.00 | 46.00 | -25.70 | -37.79 | Pass |
| 6* | 0.7700 | 22.55 | 0.59 | 9.61 | 32.16 | 10.20 | 56.00 | 46.00 | -23.84 | -35.80 | Pass |

5.2 RADIATED EMISSION MEASUREMENT

5.2.1 LIMITS

Below 1G

| Frequency range (MHz) | Class B Limits dB(μ V/m) | |
|--------------------------|-------------------------------|-------|
| | Distance: 3m | |
| 30 \leq F \leq 88 | | 40.00 |
| 88 \leq F \leq 216 | | 43.50 |
| 216 \leq F \leq 960 | | 46.00 |
| 960 \leq F \leq 1000 | | 54.00 |

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dB μ V/m) = 20 log Emission level (uV/m)

Above 1G

| Frequency range (MHz) | Class B Limits (dB μ V) | |
|----------------------------|-----------------------------|---------|
| | Distance: 3m | |
| | Peak | Average |
| 1000 \leq F \leq 18000 | 74 | 54 |

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dB μ V/m) = 20 log Emission level (uV/m).

(3) All emanation from a class B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

| Highest frequency generated or used in the device or in which the device operated or tunes (MHz) | Upper frequency of measurement range (MHz) |
|--|--|
| F \leq 1.705 | 30 |
| 1.705 \leq F \leq 108 | 1000 |
| 108 \leq F \leq 500 | 2000 |
| 500 \leq F \leq 1000 | 5000 |
| 1000 \leq F | 5th harmonic of the highest frequency or 40GHz, whichever is lower |

5.2.2 TEST PROCEDURE

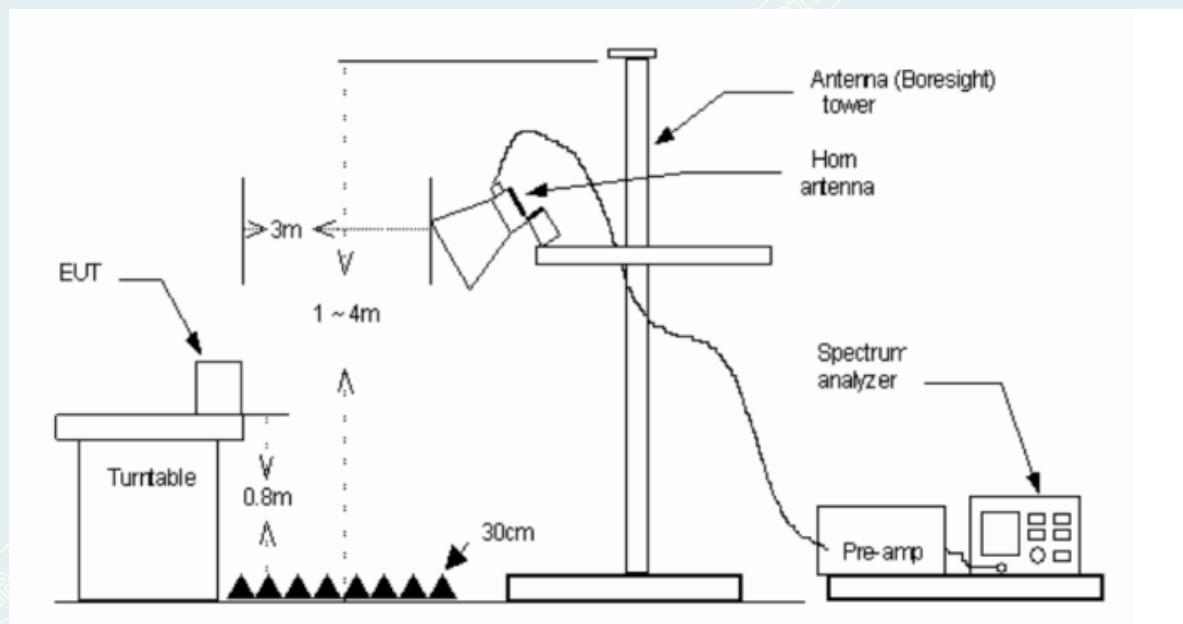
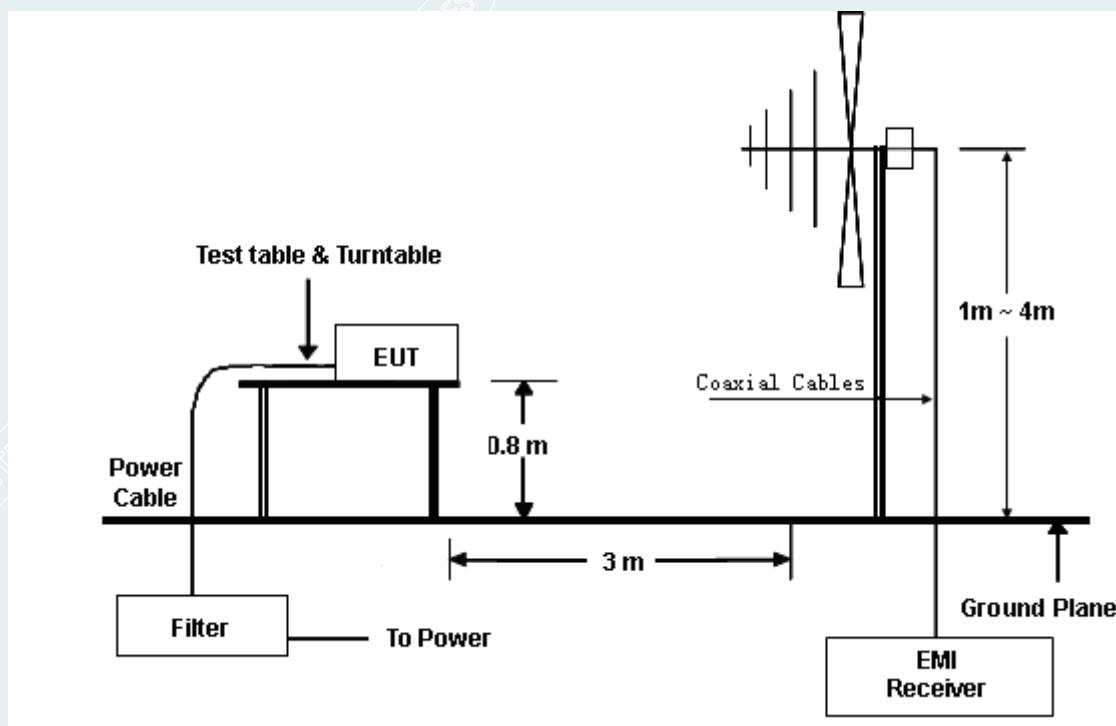
Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received dc power from battery or adapter, and adapter received AC120V/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 18GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. (For Below 1GHz) or Peak/Average (For Above 1GHz) reading is presented.
- The test data of the worst-case condition(s) was recorded.

5.2.3 TEST SETUP



5.2.4 DATA SAMPLE

Below 1GHz

| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| XXXX | 63.53 | -27.15 | 36.38 | 43.50 | -7.12 | QP |

| | |
|-----------------------|--|
| Frequency (MHz) | = Emission frequency in MHz |
| Reading (dBuV) | = Uncorrected Analyzer / Receiver reading |
| Correct Factor (dB/m) | = Antenna factor + Cable loss – Amplifier gain |
| Result (dBuV/m) | = Reading (dBuV) + Corr. Factor (dB/m) |
| Limit (dBuV/m) | = Limit stated in standard |
| Margin (dB) | = Result (dBuV/m) – Limit (dBuV/m) |
| QP | = Quasi-peak Reading |

Above 1GHz

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------|
| XXXX | 53.82 | 0.90 | 54.72 | 74.00 | -19.28 | Peak |
| XXXX | 43.88 | 0.90 | 44.78 | 54.00 | -9.22 | AVG |

| | |
|--------------------------|--|
| Frequency (MHz) | = Emission frequency in MHz |
| Reading (dBuV) | = Uncorrected Analyzer / Receiver reading |
| Correction Factor (dB/m) | = Antenna factor + Cable loss – Amplifier gain |
| Result (dBuV/m) | = Reading (dBuV) + Correction Factor (dB/m) |
| Limit (dBuV/m) | = Limit stated in standard |
| Margin (dB) | = Result (dBuV/m) – Limit (dBuV/m) |
| Peak | = Peak Reading |
| AVG | = Average Reading |

Calculation Formula

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)

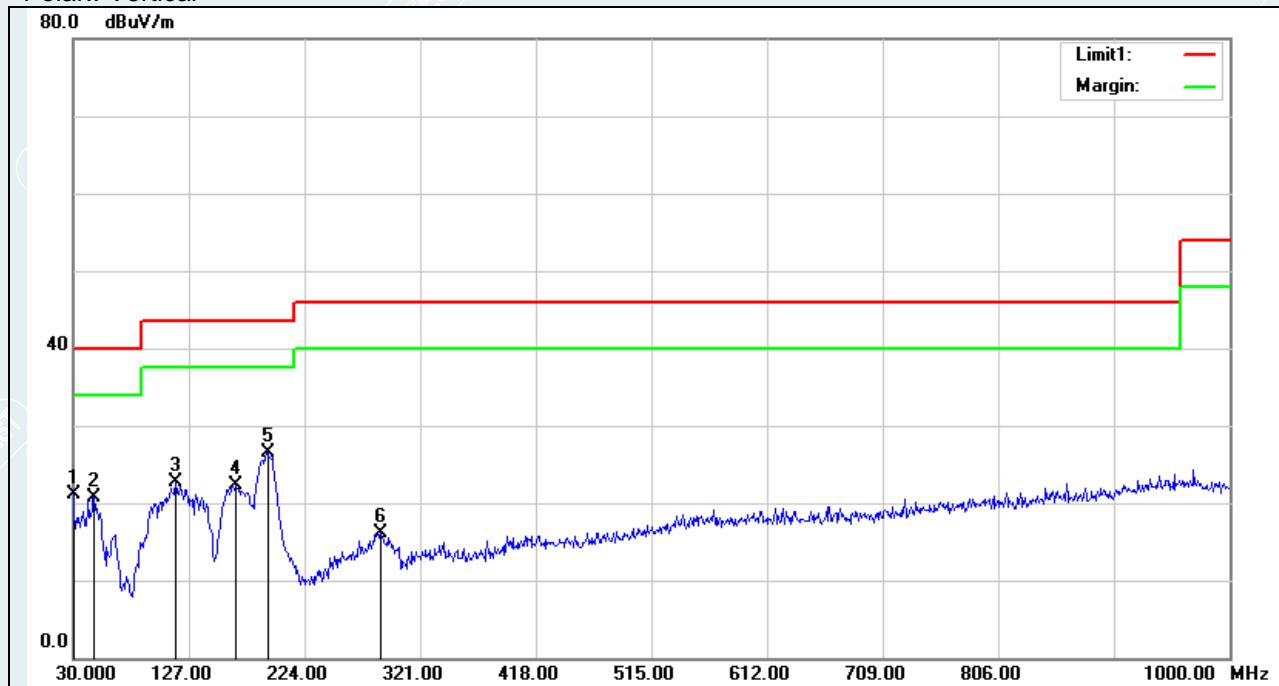
Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)

5.2.5 TEST RESULTS

Below 1G

| | | | |
|--------------------------|------------------------|------------|------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 21.1 °C/45%RH/101.9kPa | Test Mode | Mode 1 |
| Power supply | AC120V/60Hz | Tested By | Wu Haoting |
| Test Date | 2020/12/15 | Sample No. | 0001 |

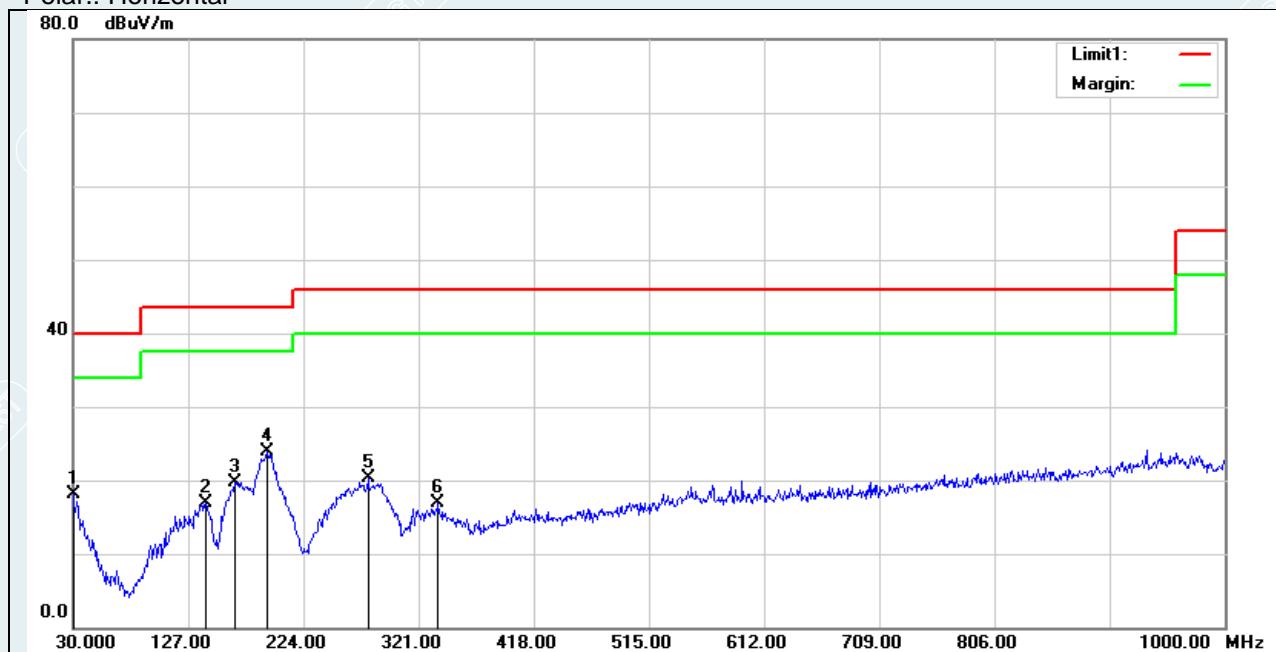
Polar.: Vertical



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Height | Degree | Remark |
|-----|-----------|---------|--------------|----------|----------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | (deg) | |
| 1 | 30.0000 | 37.97 | -16.96 | 21.01 | 40.00 | -18.99 | 100 | 360 | QP |
| 2 | 47.4600 | 46.19 | -25.40 | 20.79 | 40.00 | -19.21 | 100 | 84 | QP |
| 3 | 115.3600 | 49.04 | -26.43 | 22.61 | 43.50 | -20.89 | 100 | 0 | QP |
| 4 | 166.7700 | 50.16 | -27.87 | 22.29 | 43.50 | -21.21 | 100 | 360 | QP |
| 5* | 192.9600 | 53.97 | -27.38 | 26.59 | 43.50 | -16.91 | 100 | 2 | QP |
| 6 | 288.0200 | 40.64 | -24.62 | 16.02 | 46.00 | -29.98 | 200 | 274 | QP |

| | | | |
|--------------------------|-----------------------|------------|------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 21.1°C/45%RH/101.9kPa | Test Mode | Mode 1 |
| Power supply | AC120V/60Hz | Tested By | Wu Haoting |
| Test Date | 2020/12/15 | Sample No. | 0001 |

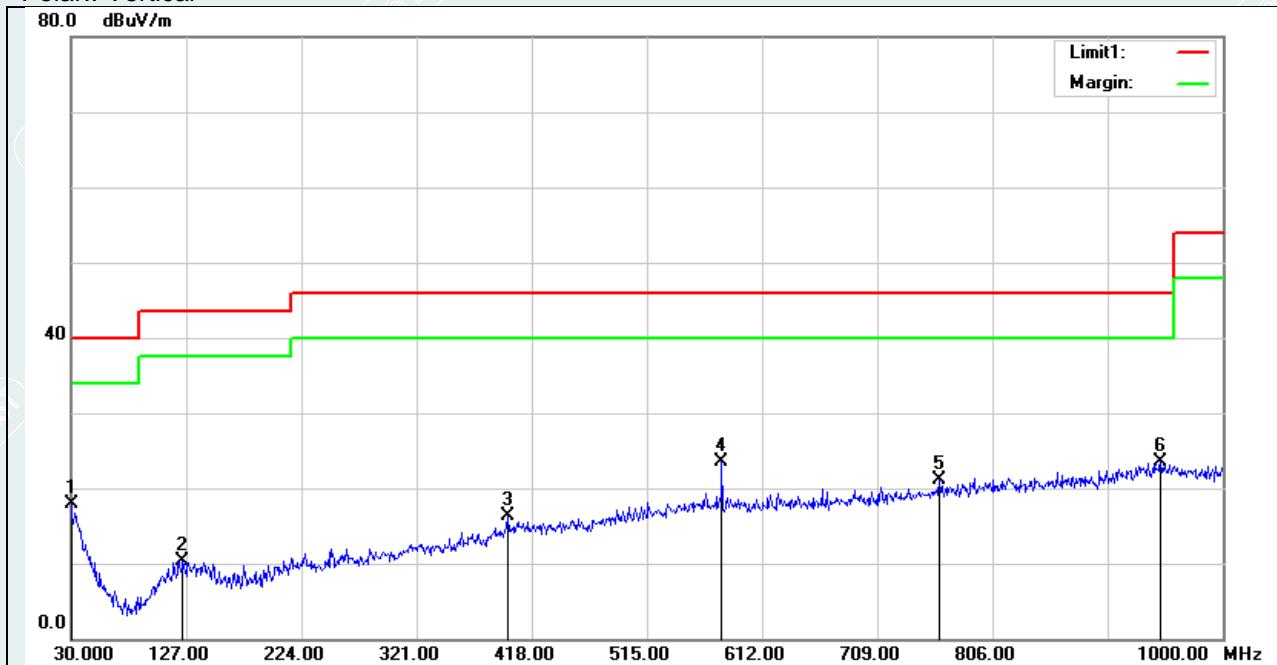
Polar.: Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg) | Remark |
|-----|--------------------|-------------------|-------------------------|--------------------|-------------------|----------------|----------------|-----------------|--------|
| 1 | 30.0000 | 35.09 | -16.96 | 18.13 | 40.00 | -21.87 | 199 | 124 | QP |
| 2 | 141.5500 | 43.32 | -26.42 | 16.90 | 43.50 | -26.60 | 199 | 359 | QP |
| 3 | 166.7700 | 47.62 | -27.87 | 19.75 | 43.50 | -23.75 | 199 | 339 | QP |
| 4* | 192.9600 | 51.33 | -27.38 | 23.95 | 43.50 | -19.55 | 199 | 77 | QP |
| 5 | 278.3200 | 45.11 | -24.84 | 20.27 | 46.00 | -25.73 | 100 | 328 | QP |
| 6 | 337.4900 | 40.32 | -23.51 | 16.81 | 46.00 | -29.19 | 100 | 335 | QP |

| | | | |
|--------------------------|-----------------------|------------|------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 21.1°C/45%RH/101.9kPa | Test Mode | Mode 2 |
| Power supply | DC3.7V | Tested By | Wu Haoting |
| Test Date | 2020/12/15 | Sample No. | 0001 |

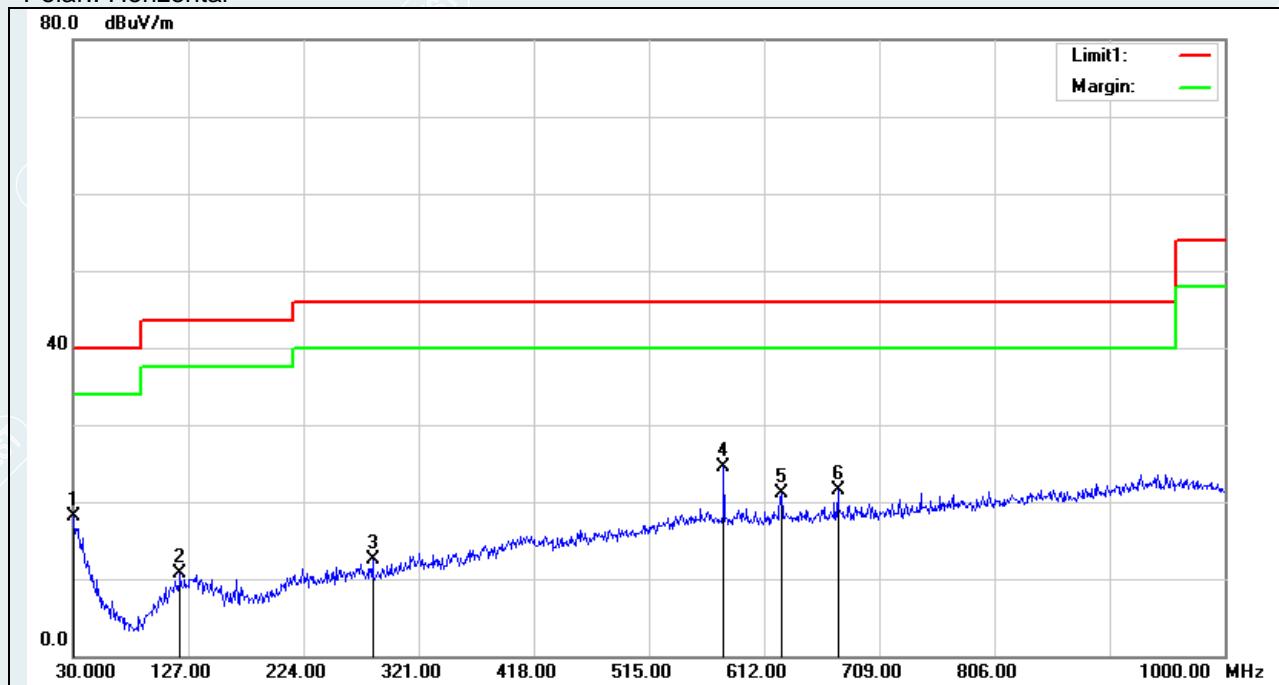
Polar.: Vertical



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Height | Degree | Remark |
|-----|-----------|---------|--------------|----------|----------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | (deg) | |
| 1* | 30.0000 | 34.83 | -16.96 | 17.87 | 40.00 | -22.13 | 100 | 93 | QP |
| 2 | 124.0900 | 36.37 | -26.00 | 10.37 | 43.50 | -33.13 | 397 | 75 | QP |
| 3 | 397.6300 | 37.19 | -20.98 | 16.21 | 46.00 | -29.79 | 299 | 132 | QP |
| 4 | 578.0500 | 41.19 | -17.64 | 23.55 | 46.00 | -22.45 | 100 | 9 | QP |
| 5 | 761.3800 | 37.06 | -15.96 | 21.10 | 46.00 | -24.90 | 299 | 342 | QP |
| 6 | 947.6200 | 37.89 | -14.32 | 23.57 | 46.00 | -22.43 | 199 | 82 | QP |

| | | | |
|--------------------------|------------------------|------------|------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 21.1 °C/45%RH/101.9kPa | Test Mode | Mode 2 |
| Power supply | DC3.7V | Tested By | Wu Haoting |
| Test Date | 2020/12/15 | Sample No. | 0001 |

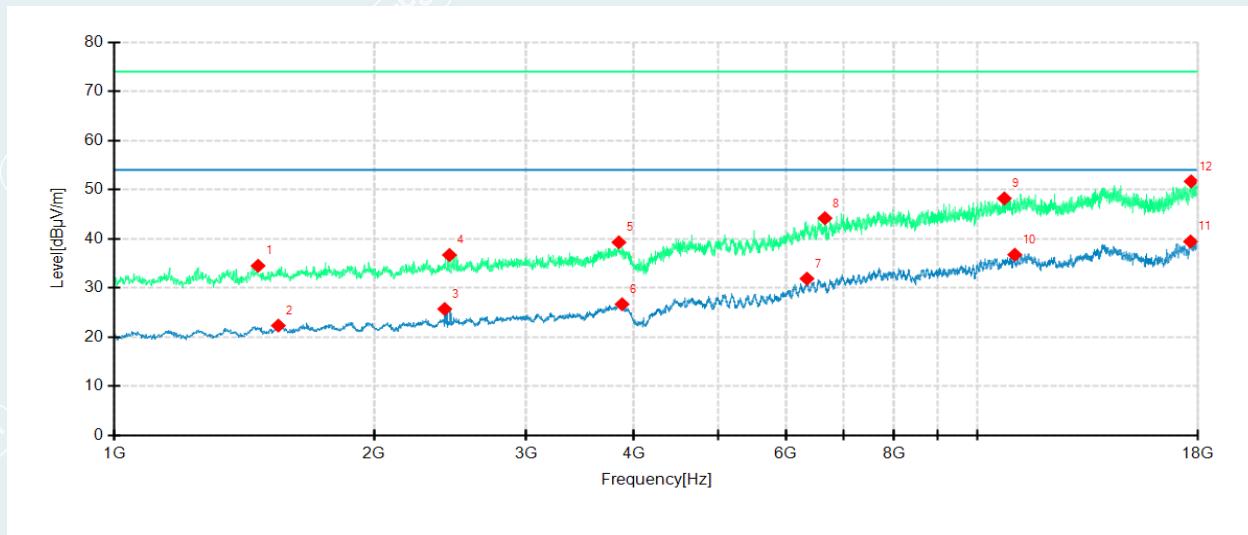
Polar.: Horizontal



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Height | Degree | Remark |
|-----|-----------|---------|--------------|----------|----------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | (deg) | |
| 1 | 30.0000 | 34.99 | -16.96 | 18.03 | 40.00 | -21.97 | 397 | 160 | QP |
| 2 | 120.2100 | 36.62 | -26.00 | 10.62 | 43.50 | -32.88 | 100 | 49 | QP |
| 3 | 282.2000 | 37.20 | -24.77 | 12.43 | 46.00 | -33.57 | 100 | 325 | QP |
| 4* | 578.0500 | 42.14 | -17.64 | 24.50 | 46.00 | -21.50 | 299 | 209 | QP |
| 5 | 626.5500 | 38.49 | -17.41 | 21.08 | 46.00 | -24.92 | 299 | 270 | QP |
| 6 | 674.0800 | 38.66 | -17.08 | 21.58 | 46.00 | -24.42 | 100 | 276 | QP |

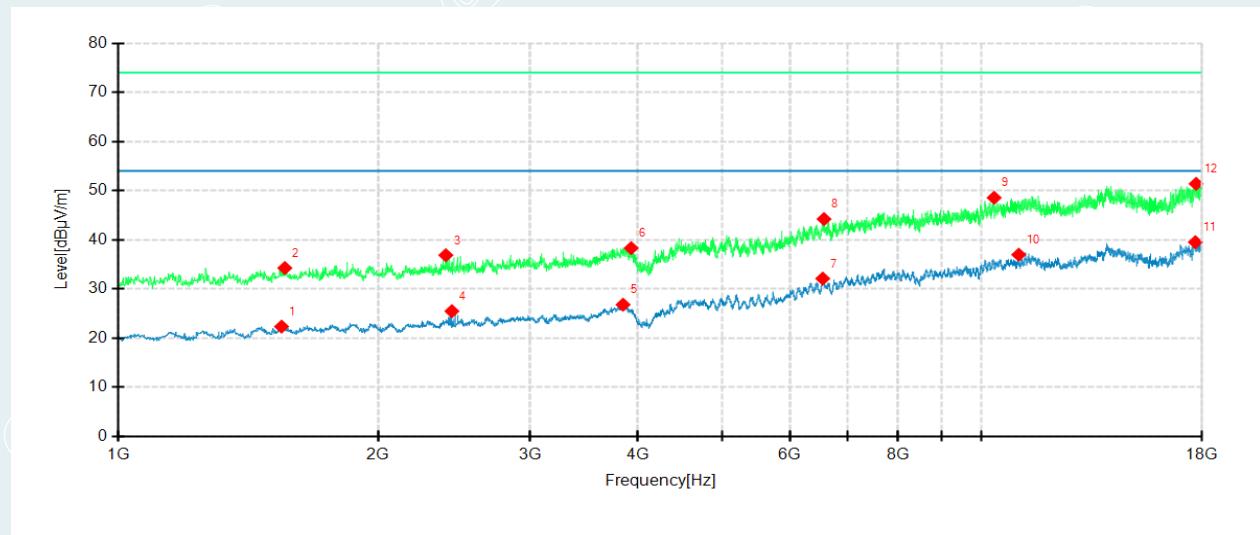
Above 1G

| | | | |
|--------------------------|---------------------|------------|----------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 25°C/60%RH/101.2kPa | Test Mode | Mode 1 |
| Power supply | AC120V/60Hz | Tested By | Zheng Jinliang |
| Test Date | 2020/12/30 | Sample No. | 0001 |



Suspected Data List

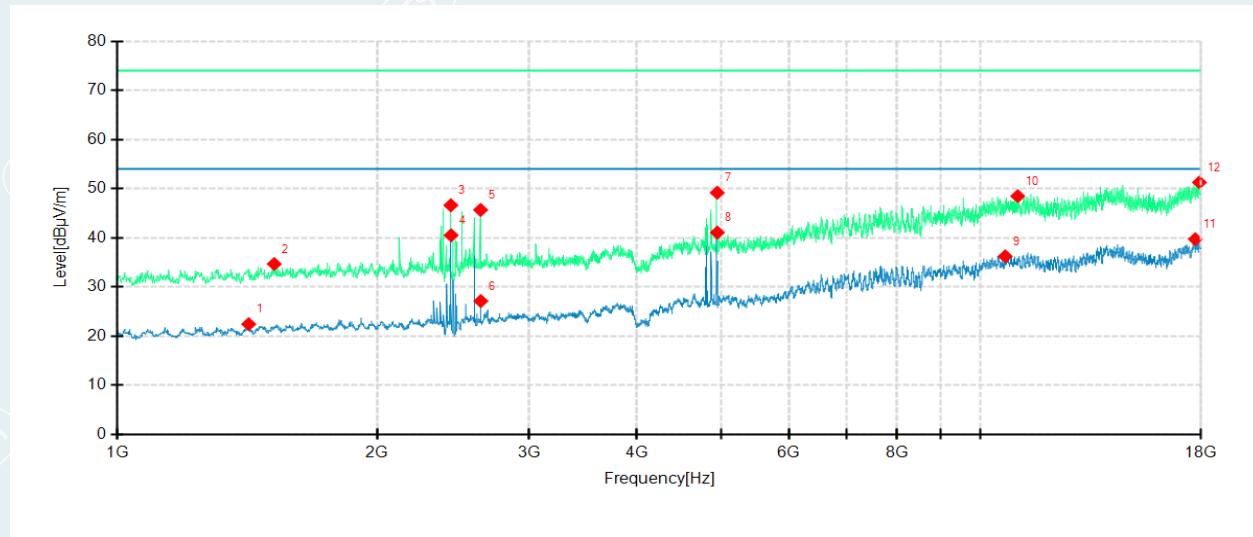
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1 | 1467.5000 | 57.76 | 34.51 | -23.25 | 74.00 | 39.49 | 100 | 359 | Horizontal |
| 2 | 1549.1000 | 45.38 | 22.35 | -23.03 | 54.00 | 31.65 | 100 | 236 | Horizontal |
| 3 | 2414.4000 | 46.21 | 25.72 | -20.49 | 54.00 | 28.28 | 200 | 25 | Horizontal |
| 4 | 2445.0000 | 57.08 | 36.71 | -20.37 | 74.00 | 37.29 | 200 | 273 | Horizontal |
| 5 | 3842.4000 | 53.45 | 39.28 | -14.17 | 74.00 | 34.72 | 200 | 91 | Horizontal |
| 6 | 3874.7000 | 40.79 | 26.69 | -14.10 | 54.00 | 27.31 | 100 | 198 | Horizontal |
| 7 | 6344.8000 | 39.02 | 31.89 | -7.13 | 54.00 | 22.11 | 100 | 355 | Horizontal |
| 8 | 6655.9000 | 51.62 | 44.18 | -7.44 | 74.00 | 29.82 | 100 | 78 | Horizontal |
| 9 | 10741.0000 | 46.03 | 48.20 | 2.17 | 74.00 | 25.80 | 200 | 215 | Horizontal |
| 10 | 11043.6000 | 33.38 | 36.76 | 3.38 | 54.00 | 17.24 | 200 | 206 | Horizontal |
| 11 | 17648.1000 | 28.99 | 39.44 | 10.45 | 54.00 | 14.56 | 100 | 68 | Horizontal |
| 12 | 17677.0000 | 41.67 | 51.68 | 10.01 | 74.00 | 22.32 | 100 | 185 | Horizontal |



Suspected Data List

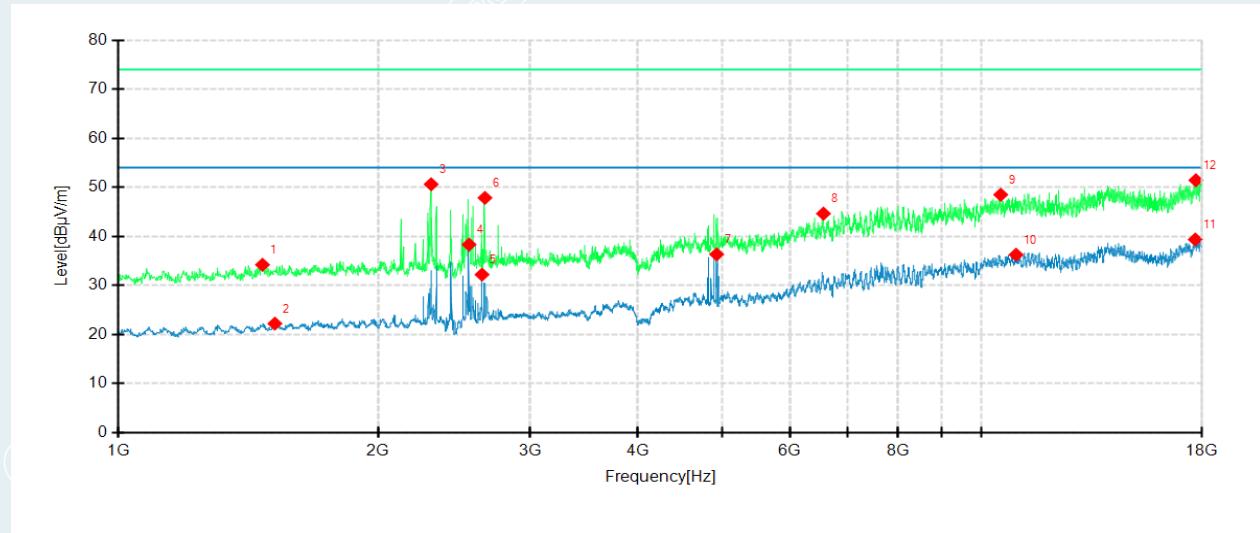
| NO. | Freq. [MHz] | Reading [dB μ V/m] | Level [dB μ V/m] | Factor [dB] | Limit [dB μ V/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|------------------------|----------------------|-------------|----------------------|-------------|-------------|-----------|----------|
| 1 | 1545.7000 | 45.38 | 22.34 | -23.04 | 54.00 | 31.66 | 200 | 10 | Vertical |
| 2 | 1559.3000 | 57.30 | 34.26 | -23.04 | 74.00 | 39.74 | 100 | 314 | Vertical |
| 3 | 2395.7000 | 57.45 | 36.86 | -20.59 | 74.00 | 37.14 | 200 | 122 | Vertical |
| 4 | 2434.8000 | 45.89 | 25.48 | -20.41 | 54.00 | 28.52 | 200 | 179 | Vertical |
| 5 | 3844.1000 | 40.96 | 26.80 | -14.16 | 54.00 | 27.20 | 200 | 132 | Vertical |
| 6 | 3927.4000 | 52.23 | 38.31 | -13.92 | 74.00 | 35.69 | 100 | 314 | Vertical |
| 7 | 6547.1000 | 38.76 | 32.11 | -6.65 | 54.00 | 21.89 | 100 | 5 | Vertical |
| 8 | 6569.2000 | 50.97 | 44.22 | -6.75 | 74.00 | 29.78 | 100 | 106 | Vertical |
| 9 | 10341.5000 | 47.07 | 48.55 | 1.48 | 74.00 | 25.45 | 100 | 5 | Vertical |
| 10 | 11041.9000 | 33.64 | 36.97 | 3.33 | 54.00 | 17.03 | 200 | 57 | Vertical |
| 11 | 17685.5000 | 29.65 | 39.51 | 9.86 | 54.00 | 14.49 | 100 | 163 | Vertical |
| 12 | 17722.9000 | 41.86 | 51.39 | 9.53 | 74.00 | 22.61 | 200 | 217 | Vertical |

| | | | |
|--------------------------|---------------------|------------|----------------|
| EUT Name | realme Buds Q2 | Model | RMA2010 |
| Environmental Conditions | 25°C/60%RH/101.2kPa | Test Mode | Mode 2 |
| Power supply | DC3.7V | Tested By | Zheng Jinliang |
| Test Date | 2020/12/30 | Sample No. | 0001 |



Suspected Data List

| NO. | Freq. [MHz] | Reading [dB μ V/m] | Level [dB μ V/m] | Factor [dB] | Limit [dB μ V/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|------------------------|----------------------|-------------|----------------------|-------------|-------------|-----------|------------|
| 1 | 1419.9000 | 45.97 | 22.44 | -23.53 | 54.00 | 31.56 | 200 | 253 | Horizontal |
| 2 | 1520.2000 | 57.74 | 34.67 | -23.07 | 74.00 | 39.33 | 100 | 115 | Horizontal |
| 3 | 2434.8000 | 67.02 | 46.61 | -20.41 | 74.00 | 27.39 | 100 | 285 | Horizontal |
| 4 | 2436.5000 | 60.92 | 40.52 | -20.40 | 54.00 | 13.48 | 100 | 285 | Horizontal |
| 5 | 2635.4000 | 65.26 | 45.67 | -19.59 | 74.00 | 28.33 | 200 | 244 | Horizontal |
| 6 | 2637.1000 | 46.71 | 27.14 | -19.57 | 54.00 | 26.86 | 200 | 244 | Horizontal |
| 7 | 4954.2000 | 60.24 | 49.17 | -11.07 | 74.00 | 24.83 | 100 | 21 | Horizontal |
| 8 | 4955.9000 | 52.11 | 41.07 | -11.04 | 54.00 | 12.93 | 100 | 21 | Horizontal |
| 9 | 10679.8000 | 34.24 | 36.24 | 2.00 | 54.00 | 17.76 | 200 | 244 | Horizontal |
| 10 | 11041.9000 | 45.14 | 48.47 | 3.33 | 74.00 | 25.53 | 200 | 253 | Horizontal |
| 11 | 17729.7000 | 30.21 | 39.72 | 9.51 | 54.00 | 14.28 | 200 | 26 | Horizontal |
| 12 | 17928.6000 | 41.91 | 51.27 | 9.36 | 74.00 | 22.73 | 200 | 301 | Horizontal |



Suspected Data List

| NO. | Freq. [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1 | 1469.2000 | 57.45 | 34.21 | -23.24 | 74.00 | 39.79 | 200 | 339 | Vertical |
| 2 | 1518.5000 | 45.29 | 22.22 | -23.07 | 54.00 | 31.78 | 200 | 264 | Vertical |
| 3 | 2303.9000 | 71.21 | 50.61 | -20.60 | 74.00 | 23.39 | 100 | 1 | Vertical |
| 4 | 2548.7000 | 57.91 | 38.33 | -19.58 | 54.00 | 15.67 | 100 | 247 | Vertical |
| 5 | 2638.8000 | 51.75 | 32.21 | -19.54 | 54.00 | 21.79 | 200 | 273 | Vertical |
| 6 | 2659.2000 | 67.18 | 47.84 | -19.34 | 74.00 | 26.16 | 100 | 256 | Vertical |
| 7 | 4933.8000 | 47.17 | 36.33 | -10.84 | 54.00 | 17.67 | 200 | 282 | Vertical |
| 8 | 6559.0000 | 51.29 | 44.63 | -6.66 | 74.00 | 29.37 | 200 | 56 | Vertical |
| 9 | 10525.1000 | 46.44 | 48.49 | 2.05 | 74.00 | 25.51 | 100 | 68 | Vertical |
| 10 | 10965.4000 | 33.72 | 36.26 | 2.54 | 54.00 | 17.74 | 200 | 217 | Vertical |
| 11 | 17682.1000 | 29.44 | 39.36 | 9.92 | 54.00 | 14.64 | 100 | 360 | Vertical |
| 12 | 17712.7000 | 41.87 | 51.43 | 9.56 | 74.00 | 22.57 | 100 | 161 | Vertical |

Remark: The fundamental frequency or multiple of fundamental frequency's limit is controlled to the standard of Radio frequency.

-----This is the last page of the report.-----