

| Prüfbericht-Nr.: <i>Test report No.:</i> | 50051019 001 | Auftrags-Nr.: <i>Order No.:</i> | 164068254 | Seite 1 von 34 <i>Page 1 of 34</i> | |
|--|--|--|---|---------------------------------------|---------------------------|
| Kunden-Referenz-Nr.: <i>Client reference No.:</i> | N/A | Auftragsdatum: <i>Order date.:</i> | 06.07.2016 | | |
| Auftraggeber: <i>Client:</i> | Anfair Electronics Plastic Factory 182 Qingzhang Road, Chang Shan Tou, QingXi Town, Dongguan, China | | | | |
| Prüfgegenstand: <i>Test item:</i> | Bluetooth Receiver Kit | | | | |
| Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i> | NS-MBTK35, NS-MBTK35-C (INSIGNIA) | | | | |
| Auftrags-Inhalt: <i>Order content:</i> | FCC and IC approval | | | | |
| Prüfgrundlage: <i>Test specification:</i> | CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 2.1093 FCC KDB Publication 447498 D01 v06 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 | RSS-247 Issue 1 May 2015 RSS-Gen Issue 4 November 2014 ICES-003 Issue 6 January 2016 RSS-102 Issue 5 March 2015 | | | |
| Wareneingangsdatum: <i>Date of receipt:</i> | 06.07.2016 | Please refer to photo documents | | | |
| Prüfmuster-Nr.: <i>Test sample No.:</i> | A000389816-001 A000389816-002 | | | | |
| Prüfzeitraum: <i>Testing period:</i> | 16.07.2016 - 27.07.2016 | | | | |
| Ort der Prüfung: <i>Place of testing:</i> | Accurate Technology Co., Ltd. | | | | |
| Prüflaboratorium: <i>Testing laboratory:</i> | TÜV Rheinland (Shenzhen) Co., Ltd. | | | | |
| Prüfergebnis*: <i>Test result*:</i> | Pass | | | | |
| geprüft von / tested by: | kontrolliert von / reviewed by: | | | | |
| 09.08.2016 | Ryan Yang / Senior Project Engineer | | 09.08.2016 | Winnie Hou / Technical Certifier | |
| Datum Date | Name/Stellung Name/Position | Unterschrift Signature | Datum Date | Name/Stellung Name/Position | Unterschrift Signature |
| Sonstiges / Other: | | | | | |
| FCC ID: 2AEI7MBTK35 IC: 9697A-MBTK35 HVIN: NS-MBTK35 | | | | | |
| Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i> | | | Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i> | | |
| * Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(pass) = entspricht o.g. Prüfgrundlage(n) F(fail) = entspricht nicht o.g. Prüfgrundlage(n) Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(pass) = passed a.m. test specifications(s) F(fail) = failed a.m. test specifications(s) | | | | | |
| 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. <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 MAXIMUM PEAK CONDUCTED OUTPUT POWER
RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY
RESULT: Pass

5.1.4 6dB BANDWIDTH
RESULT: Pass

5.1.5 99% BANDWIDTH
RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH
RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION
RESULT: Pass

5.1.8 20dB BANDWIDTH
RESULT: Pass

5.1.9 CARRIER FREQUENCY SEPARATION
RESULT: Pass

5.1.10 NUMBER OF HOPPING FREQUENCY
RESULT: Pass

5.1.11 TIME OF OCCUPANCY
RESULT: Pass

5.1.12 CONDUCTED EMISSION ON AC MAINS
RESULT: Pass

5.1.13 RADIATED EMISSION
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
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: Test Results of Bluetooth 4.1 (Dual mode) of Conducted Testing

Appendix B: Test Results of Bluetooth 4.1 (Dual mode) of Conducted and Radiated Emission Testing

2 Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen,
518057, P.R. China

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

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2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment
Accurate Technology Co., Ltd.

| Radio Spectrum Test | | | | |
|---------------------------------------|----------------------|--------------------|-------------------|-------------------|
| Equipment | Manufacturer | Model No. | Serial No. | Cal. Until |
| Spectrum Analyzer | R&S | ESPI3 | 100396/003 | 09.01.2017 |
| Spurious Emission | | | | |
| Equipment | Manufacturer | Model No. | Serial No. | Cal. Until |
| Spectrum Analyzer | R&S | FSV40 | 101495 | 01.01.2017 |
| Test Receiver | R&S | ESCS30 | 100307 | 01.01.2017 |
| Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | 01.01.2017 |
| Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | 01.01.2017 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-655 | 01.01.2017 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 9170-359 | 01.01.2017 |
| RF Switching Unit+PreAMP | Compliance Direction | RSU-M2 | 38322 | 01.01.2017 |
| Pre-Amplifier | R&S | CBLU11835 40-01 | 3791 | 01.01.2017 |
| 50 Coaxial Switch | Anritsu Corp | MP59B | 6200506474 | 01.01.2017 |
| RF Coaxial Cable | SUHNER | N-3m | No.8 | 01.01.2017 |
| RF Coaxial Cable | RESENBERGER | N-3.5m | No.9 | 01.01.2017 |
| RF Coaxial Cable | SUHNER | N-6m | No.10 | 01.01.2017 |
| RF Coaxial Cable | RESENBERGER | N-12m | No.11 | 01.01.2017 |
| 50_ Coaxial Switch | Anritsu Corp | MP59B | 6200283933 | 09.01.2017 |
| Conducted Emission on AC Mains | | | | |
| Equipment | Manufacturer | Model No. | Serial No. | Cal. Until |
| Test Receiver | R&S | ESCI | 26115-010-0027 | 17.05.2017 |
| L.I.S.N. | R&S | ENV216 | 101161 | 17.05.2017 |
| 50Ω Coaxial Switch | Anritsu | MP59B | 6100175589 | 17.05.2017 |

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

| Item | Extended Uncertainty | |
|-----------------------------------|-------------------------------|-------------------------------------|
| Conducted Emission | $\pm 2.0 \text{ dB}$ | |
| Radiated Emission (9kHz-30MHz) | Field strength (dB μ V/m) | $U=3.08\text{dB}, k=2, \sigma=95\%$ |
| Radiated Emission (30-1000MHz) | Field strength (dB μ V/m) | $U=4.42\text{dB}, k=2, \sigma=95\%$ |
| Radiated Emission (above 1000MHz) | Field strength (dB μ V/m) | $U=4.06\text{dB}, k=2, \sigma=95\%$ |
| Radio Spectrum | $\pm 0.60 \text{ dB}$ | |

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The Accurate Technology Co., Ltd. Test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen, 518057, P.R. 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 Receiver Kit' device. It supports Bluetooth 4.1 (Dual mode) wireless technology.

According to the declaration of the applicant, the electrical circuit design, PCB layout and components used are identical for all models, only the model No. and appearance are different.

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

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

| Technical Specification | Value |
|-----------------------------|--|
| Kind of Equipment | Bluetooth Receiver Kit |
| Type Designation | NS-MBTK35, NS-MBTK35-C |
| Trade Mark | INSIGNIA |
| FCC ID | 2AEI7MBTK35 |
| IC | 9697A-MBTK35 |
| HVIN | NS-MBTK35 |
| Operating Frequency | 2402 - 2480 MHz |
| Operating Temperature Range | -10 °C ~ +70 °C |
| Operating Voltage | DC 3.7V via internal rechargeable lithium battery DC 5.0V via USB port for charging |
| Testing Voltage | DC 3.7V via internal rechargeable lithium battery DC 5.0V via USB port for charging |
| Type of Modulation | GFSK, π/4DQPSK, 8DPSK |
| Channel Number | BDR & EDR mode:79 channels; Low Energy mode:40 channels |
| Channel Separation | BDR & EDR mode:1MHz; Low Energy mode:2MHz |
| Wireless Technology | Bluetooth 4.1 (Dual mode) |
| Antenna Type | PCB Antenna |
| Antenna Gain | -0.60 dBi |

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Table 3: RF Channel and Frequency of Bluetooth

| RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| 00 | 2402.00 | 20 | 2422.00 | 40 | 2442.00 | 60 | 2462.00 |
| 01 | 2403.00 | 21 | 2423.00 | 41 | 2443.00 | 61 | 2463.00 |
| 02 | 2404.00 | 22 | 2424.00 | 42 | 2444.00 | 62 | 2464.00 |
| 03 | 2405.00 | 23 | 2425.00 | 43 | 2445.00 | 63 | 2465.00 |
| 04 | 2406.00 | 24 | 2426.00 | 44 | 2446.00 | 64 | 2466.00 |
| 05 | 2407.00 | 25 | 2427.00 | 45 | 2447.00 | 65 | 2467.00 |
| 06 | 2408.00 | 26 | 2428.00 | 46 | 2448.00 | 66 | 2468.00 |
| 07 | 2409.00 | 27 | 2429.00 | 47 | 2449.00 | 67 | 2469.00 |
| 08 | 2410.00 | 28 | 2430.00 | 48 | 2450.00 | 68 | 2470.00 |
| 09 | 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 | 2480.00 |
| 19 | 2421.00 | 39 | 2441.00 | 59 | 2461.00 | -- | -- |

Table 4: RF Channel and Frequency of Bluetooth Low Energy

| RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| 00 | 2402.00 | 10 | 2422.00 | 20 | 2442.00 | 30 | 2462.00 |
| 01 | 2404.00 | 11 | 2424.00 | 21 | 2444.00 | 31 | 2464.00 |
| 02 | 2406.00 | 12 | 2426.00 | 22 | 2446.00 | 32 | 2466.00 |
| 03 | 2408.00 | 13 | 2428.00 | 23 | 2448.00 | 33 | 2468.00 |
| 04 | 2410.00 | 14 | 2430.00 | 24 | 2450.00 | 34 | 2470.00 |
| 05 | 2412.00 | 15 | 2432.00 | 25 | 2452.00 | 35 | 2472.00 |
| 06 | 2414.00 | 16 | 2434.00 | 26 | 2454.00 | 36 | 2474.00 |
| 07 | 2416.00 | 17 | 2436.00 | 27 | 2456.00 | 37 | 2476.00 |
| 08 | 2418.00 | 18 | 2438.00 | 28 | 2458.00 | 38 | 2478.00 |
| 09 | 2420.00 | 19 | 2440.00 | 29 | 2460.00 | 39 | 2480.00 |

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Table 5: Frequency Hopping Information

| Technical Specification | Description |
|--------------------------|---|
| Hopping Range | Hereby we declare that the frequency range of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification V2.1 + EDR for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E). |
| Hopping Sequence | Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73, 07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56, 69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43, 15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47, |
| Receiver input bandwidth | The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence. |

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth transmitting mode (BDR & EDR mode)
 - a) Low Channel
 - b) Middle Channel
 - c) High Channel
 - 2. Bluetooth transmitting mode (Low Energy mode)
 - a) Low Channel
 - b) Middle Channel
 - c) High Channel
- B. On, Transmitting on Hopping channel
- C. On, Bluetooth connecting mode
- D. Charging mode
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- Block Diagram
- FCC/IC Label and Location Info
- Model Difference Letter
- Operation Description
- Photo Document
- Schematics
- User Manual

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 testing were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014

According to clause 3.1, all tests were performed on model NS-MBTK35 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

| Description | Manufacturer | Model | S/N | Rating |
|-------------|--------------|---------------|-----|--------|
| Notebook PC | Lenovo | ThinkPad X240 | N/A | N/A |

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)

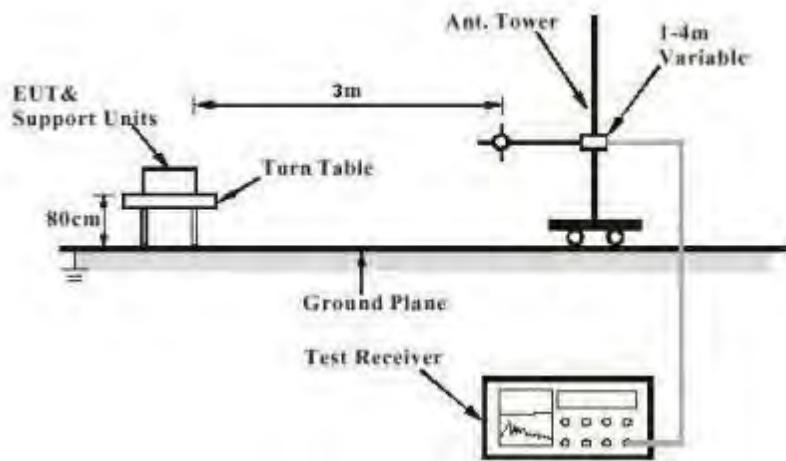
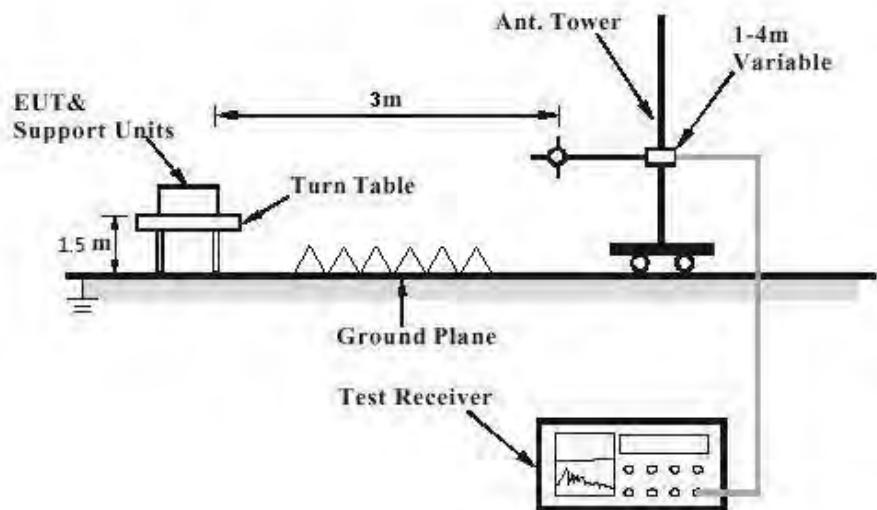


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



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Diagram of Measurement Configuration for Mains Conduction Measurement

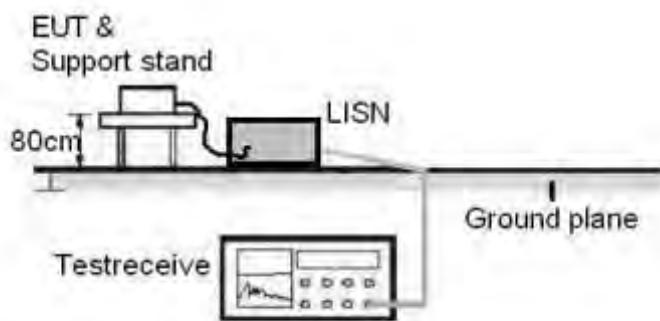
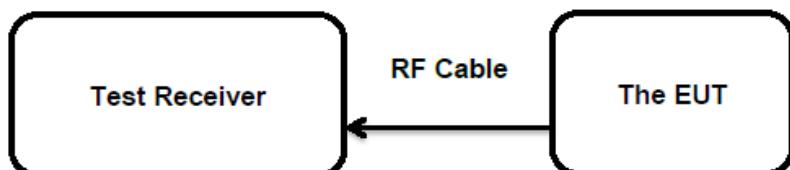


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is -0.60 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.

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

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass
Test Specification

| | | |
|-------------------|---|--|
| Test standard | : | FCC Part 15.247(b)(1)&(3) RSS-247 Clause 5.4(2)&(4) |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | FHSS < 0.125 Watts, DSSS < 1.0 Watts |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 & 27.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.1, A.2 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 7: Test Result of Maximum Peak Conducted Output Power

| Test Mode | Channel Frequency (MHz) | Measured Peak Output Power | | Limit (W) |
|-------------------------------|-------------------------|----------------------------|---------|-----------|
| | | (dBm) | (W) | |
| BDR | 2402 | 2.97 | 0.00198 | < 0.125 |
| | 2441 | 4.22 | 0.00264 | |
| | 2480 | 5.45 | 0.00351 | |
| EDR | 2402 | 4.63 | 0.00290 | < 0.125 |
| | 2441 | 5.77 | 0.00378 | |
| | 2480 | 5.93 | 0.00392 | |
| Low Energy | 2402 | -3.41 | 0.00046 | < 1.0 |
| | 2440 | -1.95 | 0.00064 | |
| | 2480 | -0.59 | 0.00087 | |
| Maximum Measured Value | | 5.93 | 0.00392 | / |

Note: The cable loss 0.4 dB is taken into account in results.

This testing was carried out on all operation modes, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

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5.1.3 Conducted Power Spectral Density

RESULT:
Pass
Test Specification

| | | |
|-------------------|---|---|
| Test standard | : | FCC Part 15.247(e) RSS-247 Clause 5.2(2) |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | 8 dBm/3kHz |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.2 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 8: Test Result of Power Spectral Density, Low Energy

| Test Mode | Test Channel (MHz) | Power Spectrum Density(dBm/3kHz) | Limit (dBm/3kHz) |
|-------------------------------|--------------------|----------------------------------|------------------|
| Low Energy | 2402 | -19.37 | < 8.0 |
| | 2440 | -18.35 | |
| | 2480 | -16.07 | |
| Maximum Measured Value | | -16.07 | |

Note: The cable loss 0.4 dB is taken into account in results.

This testing was carried out on all operation modes, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

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5.1.4 6dB Bandwidth

RESULT:
Pass
Test Specification

| | | |
|-------------------|---|-----------------------|
| Test standard | : | FCC Part 15.247(a)(2) |
| | | RSS-247 Clause 5.2(1) |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | More than 500 KHz |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.2 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 9: Test Result of 6dB Bandwidth, Low Energy

| Test Mode | Test Channel (MHz) | -6dB Bandwidth (kHz) | Limit (kHz) |
|-------------------------------|--------------------|----------------------|-------------|
| Low Energy | 2402 | 764.10 | > 500 |
| | 2440 | 746.70 | |
| | 2480 | 759.80 | |
| Minimum Measured Value | | 746.70 | |

For the measurement records, refer to the appendix A.

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5.1.5 99% Bandwidth

RESULT:
Pass
Test Specification

| | | |
|-------------------|---|--------------------|
| Test standard | : | RSS-Gen Clause 6.6 |
| Basic standard | : | ANSI C63.10: 2013 |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.1, A.2 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 10: Test Result of 99% Bandwidth

| Test Mode | Channel Frequency (MHz) | 99% Bandwidth (kHz) | Limit (kHz) |
|-------------------------------|-------------------------|---------------------|-------------|
| BDR | 2402 | 963.82 | / |
| | 2441 | 963.82 | |
| | 2480 | 972.50 | |
| EDR | 2402 | 1224.31 | / |
| | 2441 | 1232.99 | |
| | 2480 | 1246.02 | |
| Low Energy | 2402 | 1076.70 | / |
| | 2440 | 1085.38 | |
| | 2480 | 1081.04 | |
| Maximum Measured Value | | 1246.02 | / |

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 50051019 001
*Test Report No.*Seite 20 von 34
Page 20 of 34**5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth****RESULT:****Pass****Test Specification**

| | | |
|-------------------|---|---|
| Test standard | : | FCC Part 15.247(d) RSS-247 Clause 5.5 |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a) |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.1, A.2 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test plot, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 50051019 001
*Test Report No.*Seite 21 von 34
Page 21 of 34**5.1.7 Radiated Spurious Emission****RESULT:****Pass****Test Specification**

| | | |
|-------------------|---|---|
| Test standard | : | FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3 |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 4 & Table 5 |
| Kind of test site | : | 3m Semi-anechoic Chamber |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.1, A.2 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 23 °C |
| Relative humidity | : | 48 % |
| Atmospheric pressure | : | 101 kPa |

Remark:

During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

Pre-test the EUT in continuous transmitting mode at the low (2402 MHz), middle (2441 MHz) and high (2480 MHz) channel with different data packet. Compliance test in continuous transmitting mode with BDR mode (DH5) as the worst case was found.

Testing was carried out within frequency range 9kHz to the tenth harmonics.

For the measurement records, refer to the appendix B.

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5.1.8 20dB Bandwidth

RESULT:
Pass
Test Specification

| | | |
|-------------------|---|-----------------------|
| Test standard | : | FCC Part 15.247(a)(1) |
| | | RSS-247 Clause 5.1(1) |
| Basic standard | : | ANSI C63.10: 2013 |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | A.1 |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 11: Test Result of 20dB Bandwidth

| Test Mode | Channel Frequency (MHz) | 20dB Bandwidth (kHz) | 2/3 of 20dB Bandwidth (kHz) | Limit (MHz) |
|-------------------------------|-------------------------|----------------------|-----------------------------|-------------|
| BDR | 2402 | 1024.60 | 683.067 | / |
| | 2441 | 1024.60 | 683.067 | |
| | 2480 | 1024.60 | 683.067 | |
| EDR | 2402 | 1289.40 | 859.600 | / |
| | 2441 | 1297.20 | 864.800 | |
| | 2480 | 1306.90 | 871.267 | |
| Maximum Measured Value | | 1306.90 | 871.267 | / |

For the measurement records, refer to the appendix A.

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Test Report No.

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5.1.9 Carrier Frequency Separation

RESULT:
Pass
Test Specification

| | | |
|-------------------|---|--|
| Test standard | : | FCC Part 15.247(a)(1) RSS-247 Clause 5.1(2) |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | B |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 12: Test Result of Carrier Frequency Separation

| Channel | Channel Frequency (MHz) | Measured Channel Separation (KHz) | Limit (kHz) | Result |
|-------------------|-------------------------|-----------------------------------|--|--------|
| Low Channel | 2402 | 1002.9 | $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth | Pass |
| Adjacency Channel | 2403 | | | |
| Middle Channel | 2441 | 1000.0 | $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth | Pass |
| Adjacency Channel | 2442 | | | |
| High Channel | 2480 | 1000.0 | $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth | Pass |
| Adjacency Channel | 2479 | | | |

Note:

The limit is maximum 2/3 of the 20 dB bandwidth: 871.267 KHz.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 50051019 001
*Test Report No.*Seite 24 von 34
Page 24 of 34**5.1.10 Number of Hopping Frequency****RESULT:** Pass**Test Specification**

| | | |
|-------------------|---|---|
| Test standard | : | FCC part 15.247(a)(1)(iii) RSS-247 Clause 5.1(4) |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | ≥ 15 non-overlapping channels |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | B |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

Table 13: Test Result of Number of Hopping Frequency

| Frequency Range | Measured Quantity of Hopping Channel | Limit | Result |
|------------------|--------------------------------------|-----------|--------|
| 2402 to 2480 MHz | 79 | ≥ 15 | Pass |

For the measurement records, refer to the appendix A.

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*Test Report No.*Seite 25 von 34
Page 25 of 34**5.1.11 Time of Occupancy****RESULT:****Pass****Test Specification**

| | | |
|-------------------|---|---|
| Test standard | : | FCC part 15.247(a)(1)(iii) RSS-247 Clause 5.1(4) |
| Basic standard | : | ANSI C63.10: 2013 |
| Limits | : | < 0.4s |
| Kind of test site | : | Shielded Room |

Test Setup

| | | |
|----------------------|---|---|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 3.7V via internal rechargeable lithium battery |
| Operation mode | : | B |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 25 °C |
| Relative humidity | : | 56 % |
| Atmospheric pressure | : | 101 kPa |

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Test Report No.

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Table 14: Test Result of Time of Occupancy

| Test Mode | Test Channel | Data Packet | Pulse width (ms) | Measured Dwell time(s) | Limit (s) |
|-------------------------------|--------------|-------------|------------------|------------------------|-----------|
| BDR mode | 2402 | DH1 | 0.420 | 0.134 | < 0.4s |
| | | DH3 | 1.696 | 0.271 | |
| | | DH5 | 2.957 | 0.315 | |
| | 2441 | DH1 | 0.413 | 0.132 | |
| | | DH3 | 1.696 | 0.271 | |
| | | DH5 | 2.957 | 0.315 | |
| | 2480 | DH1 | 0.420 | 0.134 | |
| | | DH3 | 1.681 | 0.269 | |
| | | DH5 | 2.957 | 0.315 | |
| EDR mode | 2402 | 3DH1 | 0.428 | 0.137 | < 0.4s |
| | | 3DH3 | 1.703 | 0.272 | |
| | | 3DH5 | 2.949 | 0.315 | |
| | 2441 | 3DH1 | 0.428 | 0.137 | |
| | | 3DH3 | 1.688 | 0.270 | |
| | | 3DH5 | 2.971 | 0.317 | |
| | 2480 | 3DH1 | 0.420 | 0.134 | |
| | | 3DH3 | 1.688 | 0.270 | |
| | | 3DH5 | 2.949 | 0.315 | |
| Maximum Measured Value | | | 2.971 | 0.317 | |

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4×79 (channel) = 31.6 seconds

This testing was carried out on all operation modes, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 50051019 001
*Test Report No.*Seite 27 von 34
Page 27 of 34**5.1.12 Conducted Emission on AC Mains****RESULT:** Pass**Test Specification**

| | |
|-------------------|---|
| Test standard | : FCC Part 15.207(a) & FCC Part 15.107(a) RSS-Gen Clause 8.8 & ICES-003 |
| Basic standard | : ANSI C63.10: 2013 & ANSI C63.4: 2014 |
| Frequency range | : 0.15 – 30MHz |
| Limits | : FCC Part 15.207(a) & FCC Part 15.107(a) RSS-Gen Table 3 & ICES-003 Table 2 |
| Kind of test site | : Shielded Room |

Test Setup

| | |
|----------------------|-------------------------------------|
| Date of testing | : 16.07.2016 |
| Input voltage | : DC 5.0V via USB port for charging |
| Operation mode | : C, D |
| Earthing | : Not connected |
| Ambient temperature | : 25 °C |
| Relative humidity | : 56 % |
| Atmospheric pressure | : 101 kPa |

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: 50051019 001
*Test Report No.*Seite 28 von 34
Page 28 of 34**5.1.13 Radiated Emission****RESULT:****Pass****Test Specification**

| | | |
|-------------------|---|--|
| Test standard | : | FCC Part 15.109(a) ICES-003 |
| Basic standard | : | ANSI C63.4: 2014 |
| Frequency range | : | 30 - 6000MHz |
| Classification | : | Class B |
| Limits | : | FCC Part 15.109(a) ICES-003 Table 5 & Table 7 |
| Kind of test site | : | 3m Semi-anechoic Chamber |

Test Setup

| | | |
|----------------------|---|-----------------------------------|
| Date of testing | : | 16.07.2016 |
| Input voltage | : | DC 5.0V via USB port for charging |
| Operation mode | : | D |
| Earthing | : | Not connected |
| Ambient temperature | : | 24 °C |
| Relative humidity | : | 48 % |
| Atmospheric pressure | : | 101 kPa |

For the measurement records, refer to the appendix B.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test standard : CFR47 FCC Part 2.1093
FCC KDB Publication 447498 D01 v06
RSS-102 Issue 5 March 2015

Measurement Record:

The minimum distance for the EUT is less than 5mm.

Since maximum peak output power of the transmitter is $5.93 \text{ dBm} \approx 3.92 \text{ mW} < \frac{3*d}{\sqrt{f}} = 9.52 \text{ mW}$.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

The maximum peak output power of the transmitter is 5.93 dBm (3.92 mW), which is far below the SAR exclusion threshold level 4 mW ≈ 6.02 dBm.

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

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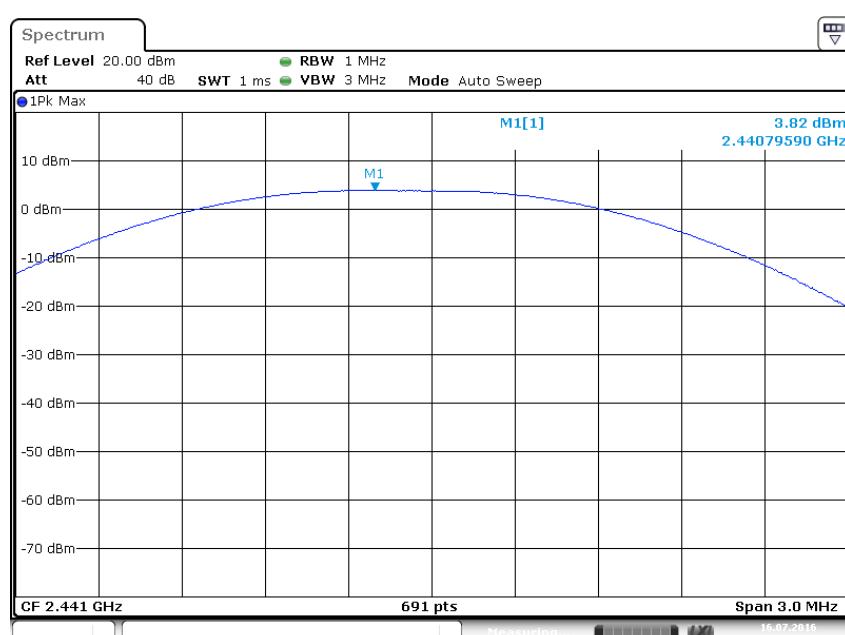
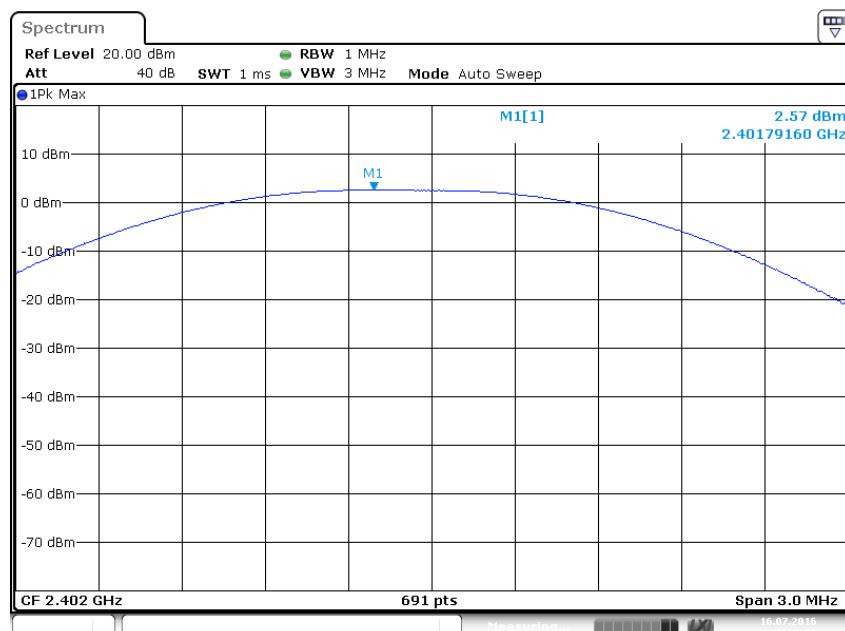
Appendix A

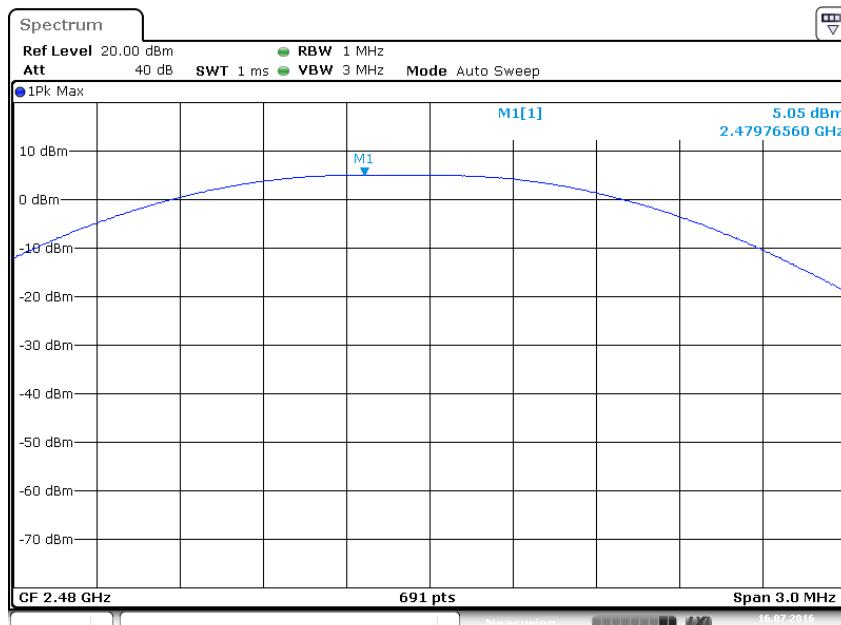
Test Results of Bluetooth 4.1 (Dual mode) of Conducted Testing

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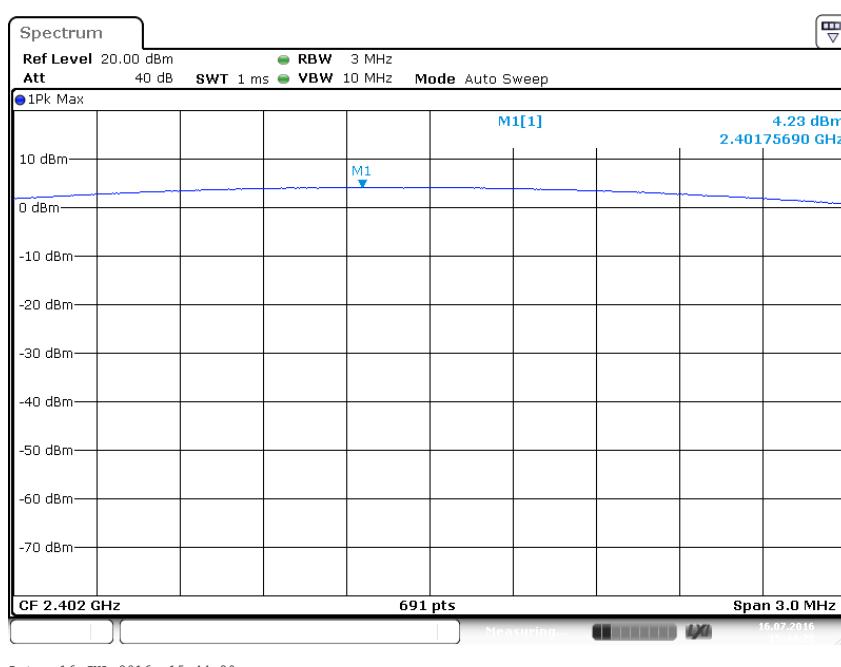
Appendix A.1: Test Plots of Maximum Peak Conducted Output Power

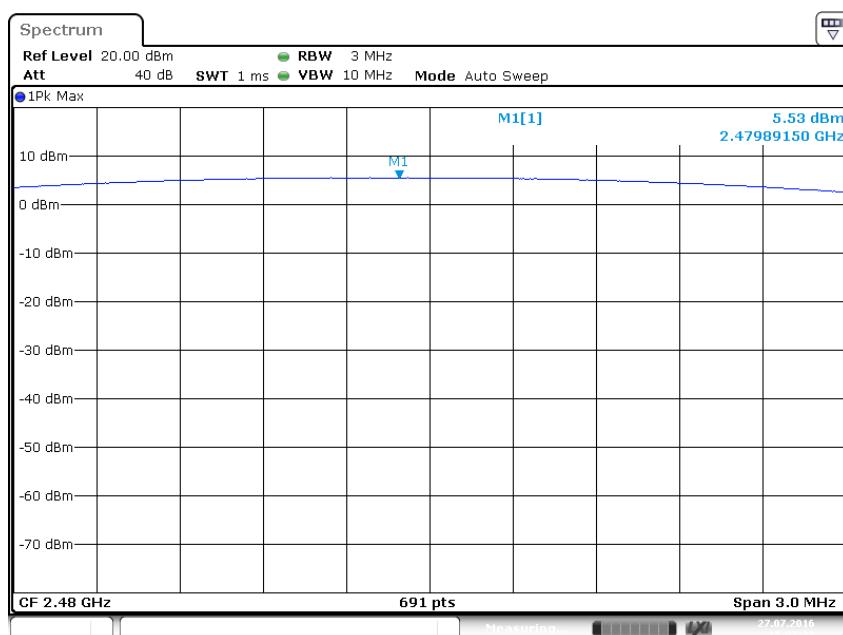
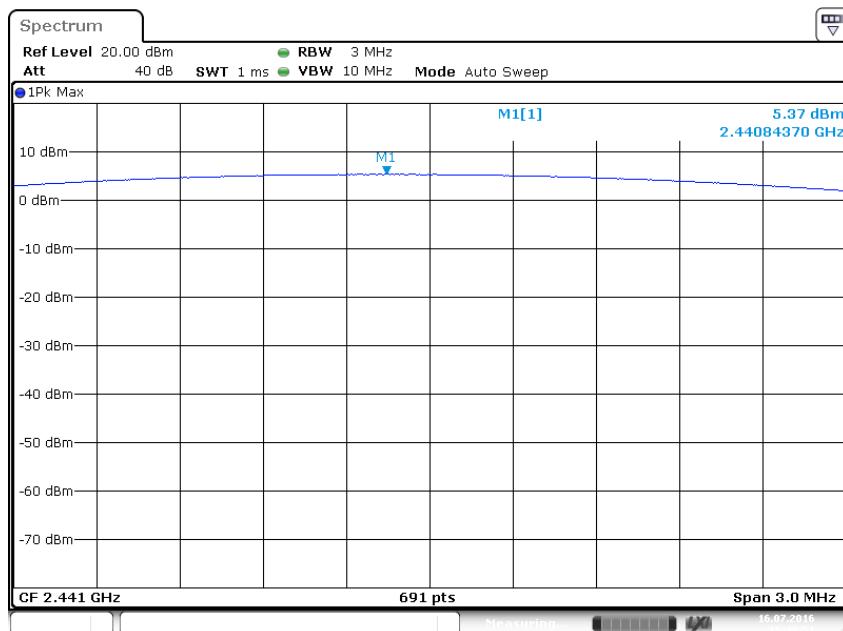
BDR Mode, DH1



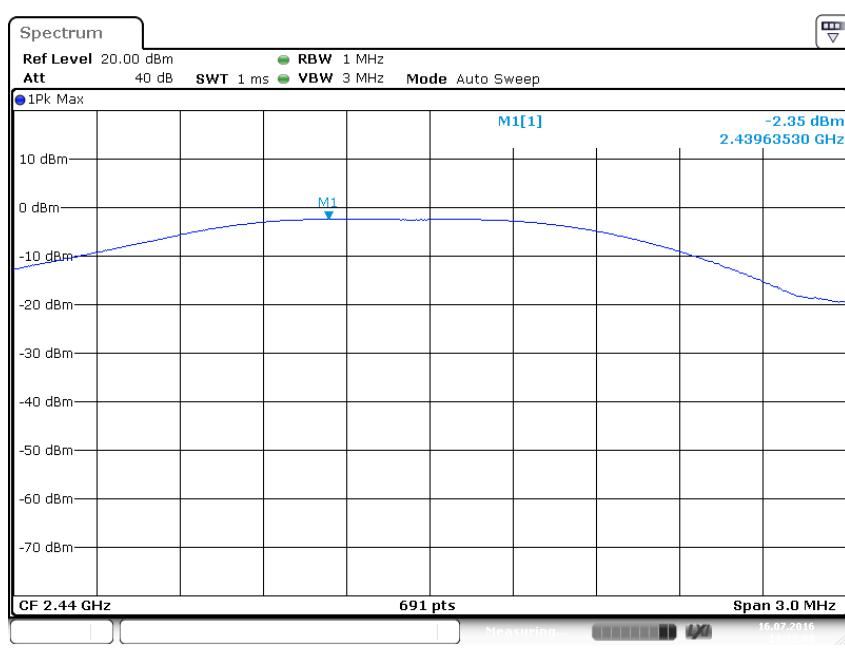
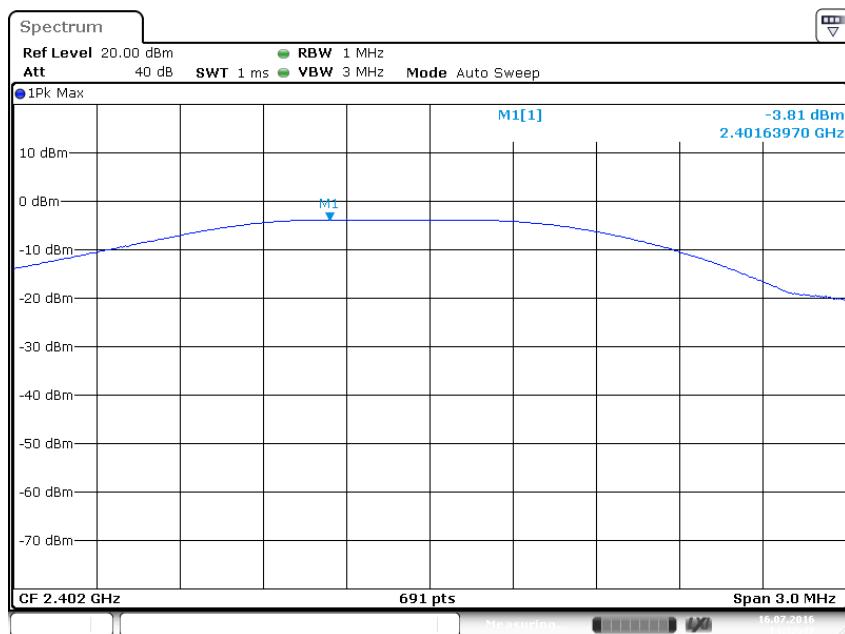


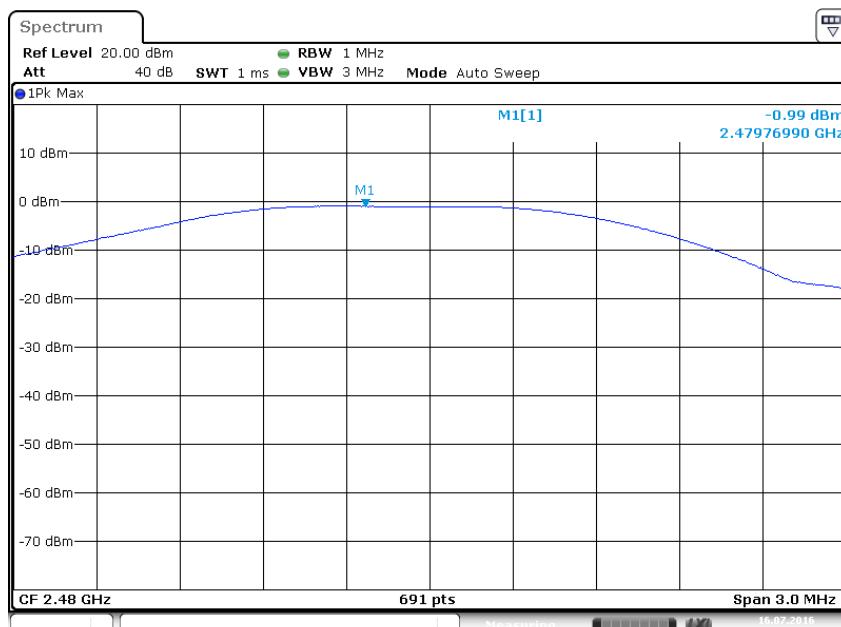
EDR Mode, 3DH1





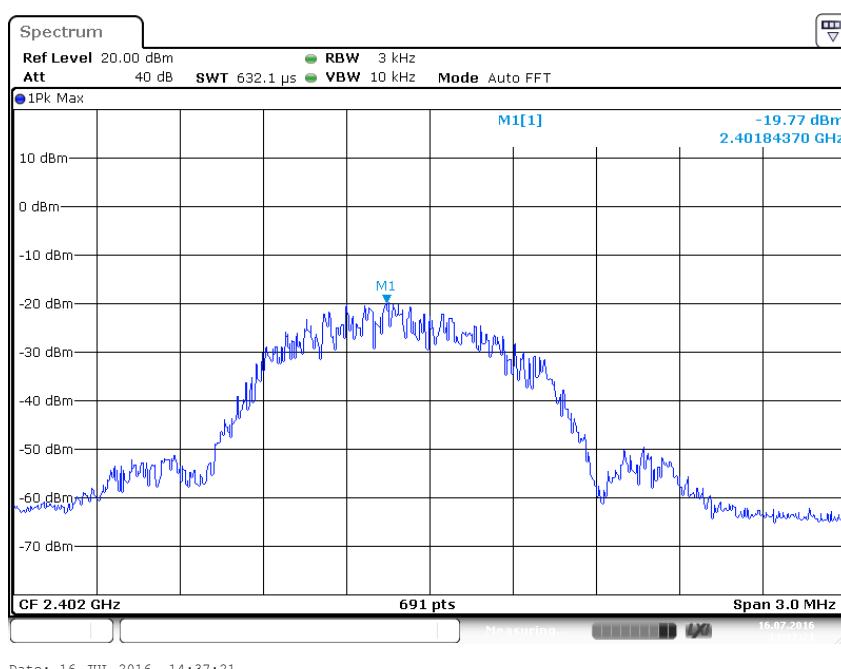
Low Energy Mode

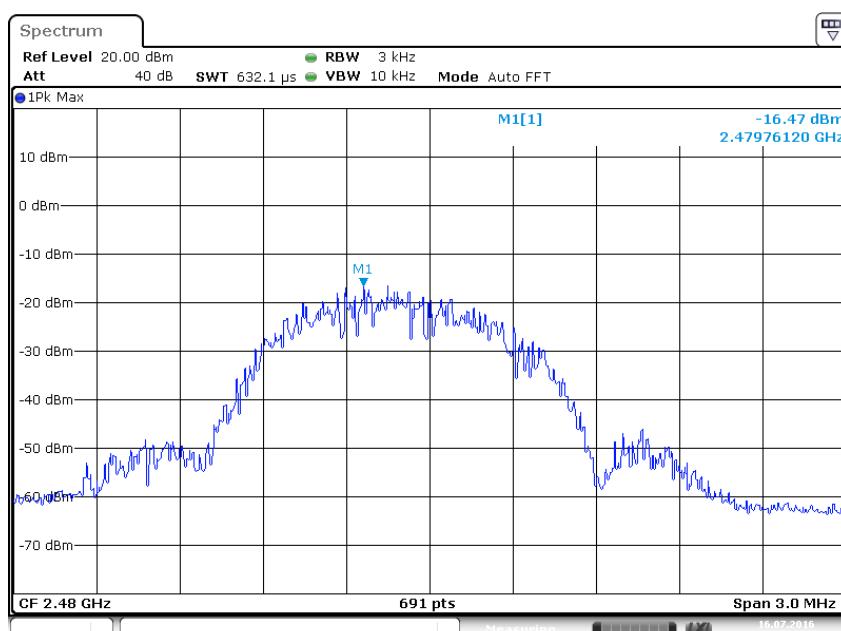
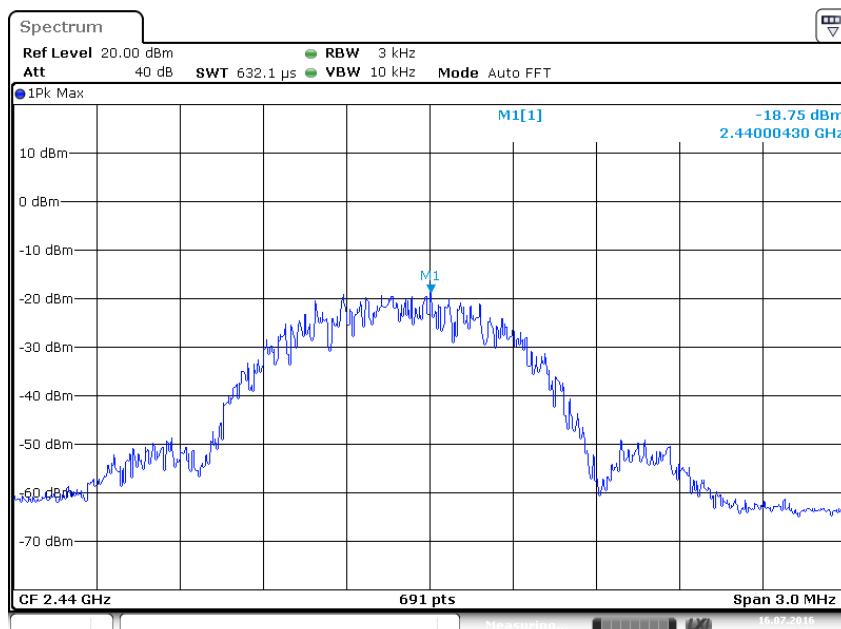




Appendix A.2: Test Plots of Conducted Power Spectral Density

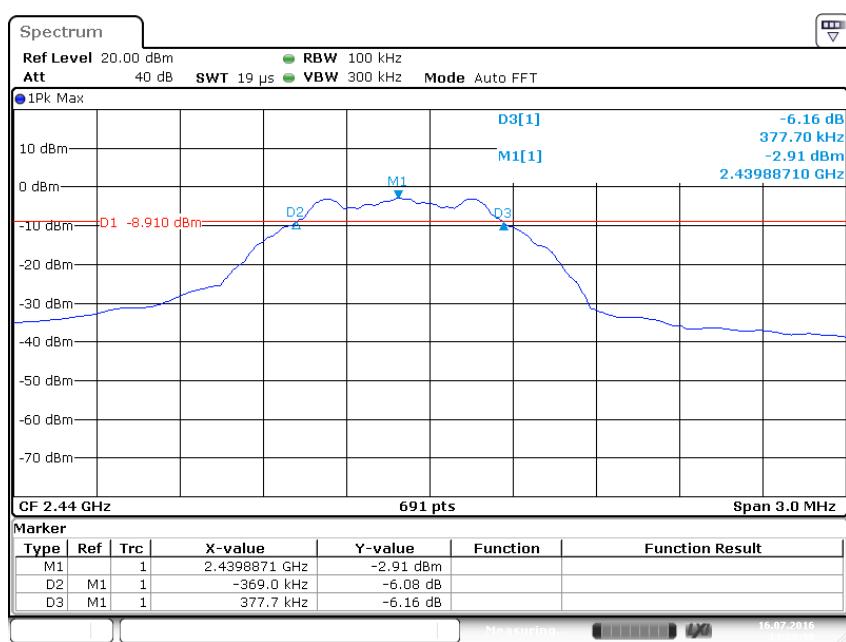
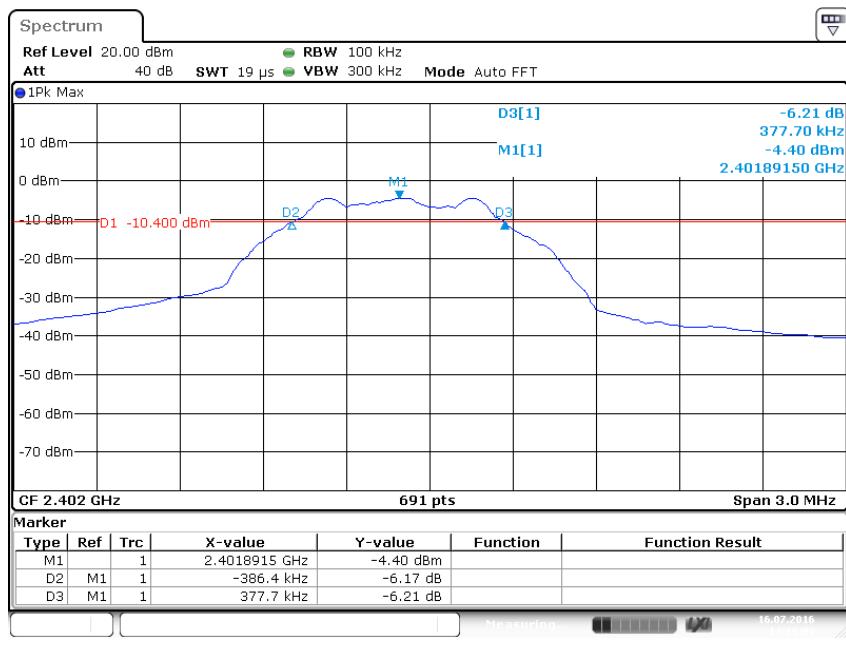
Low Energy Mode

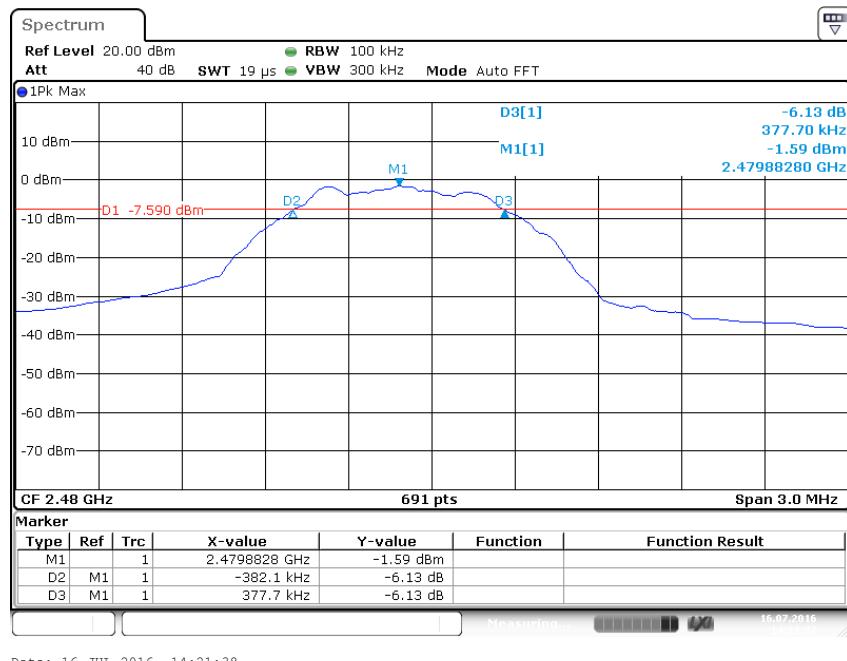




Appendix A.3: Test Plots of 6dB Bandwidth

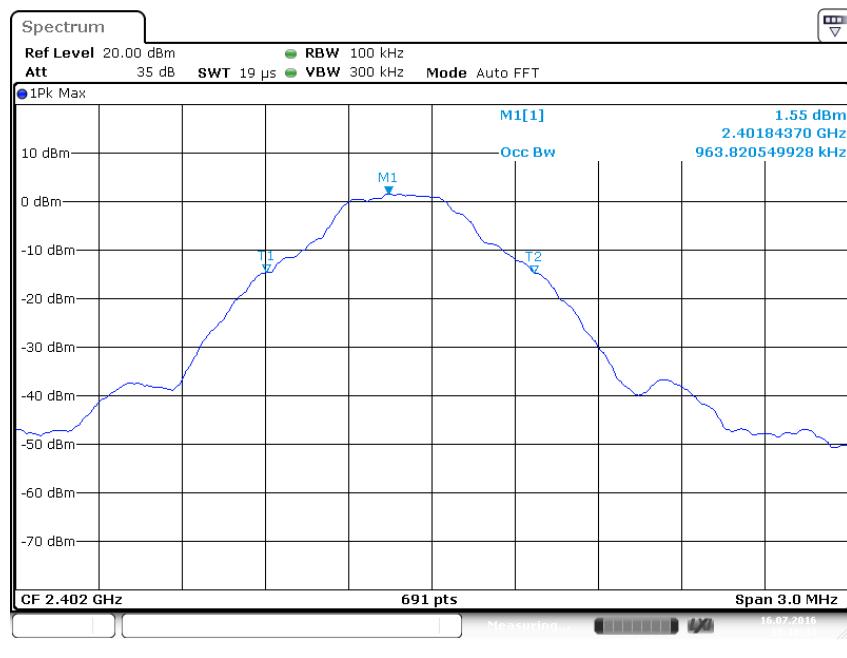
Low Energy Mode

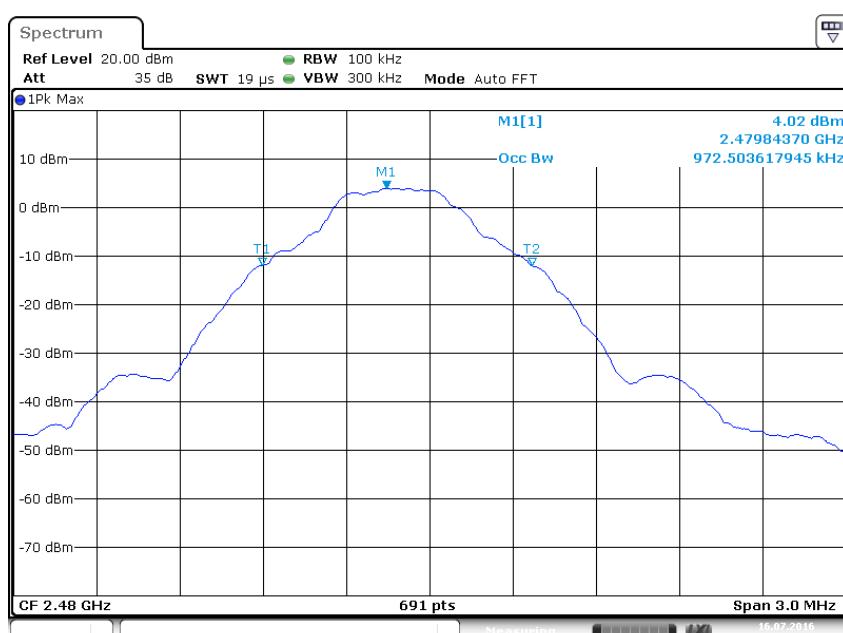
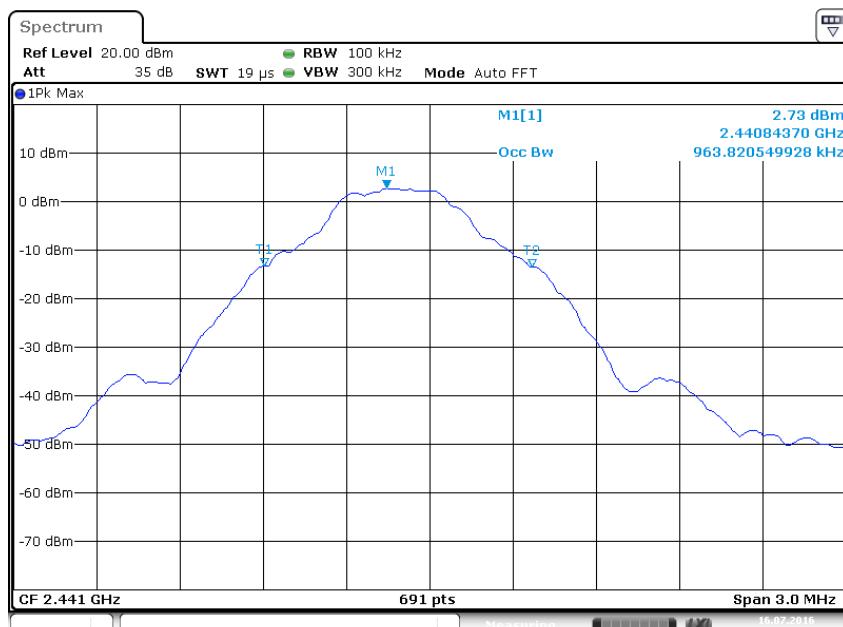




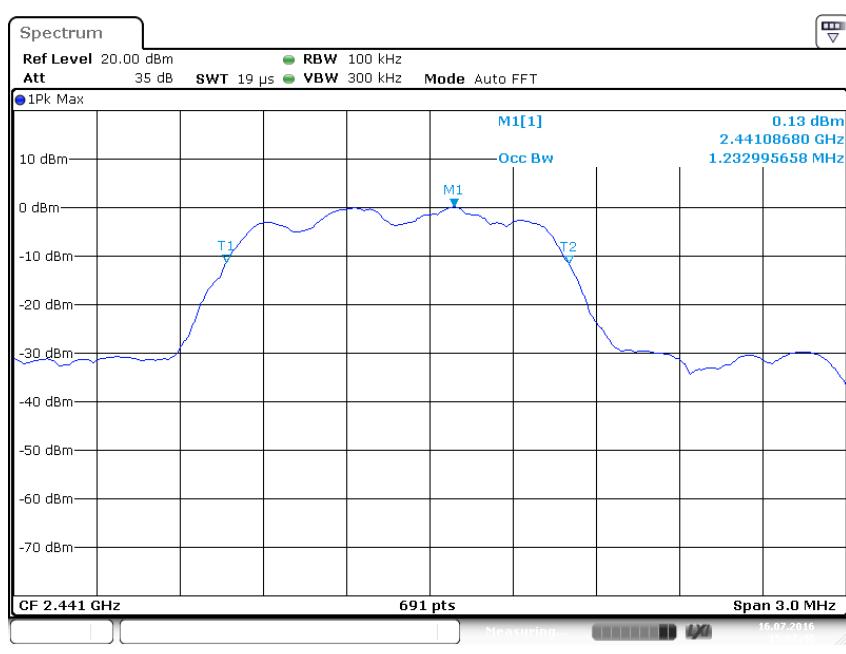
Appendix A.4: Test Plots of 99% Bandwidth

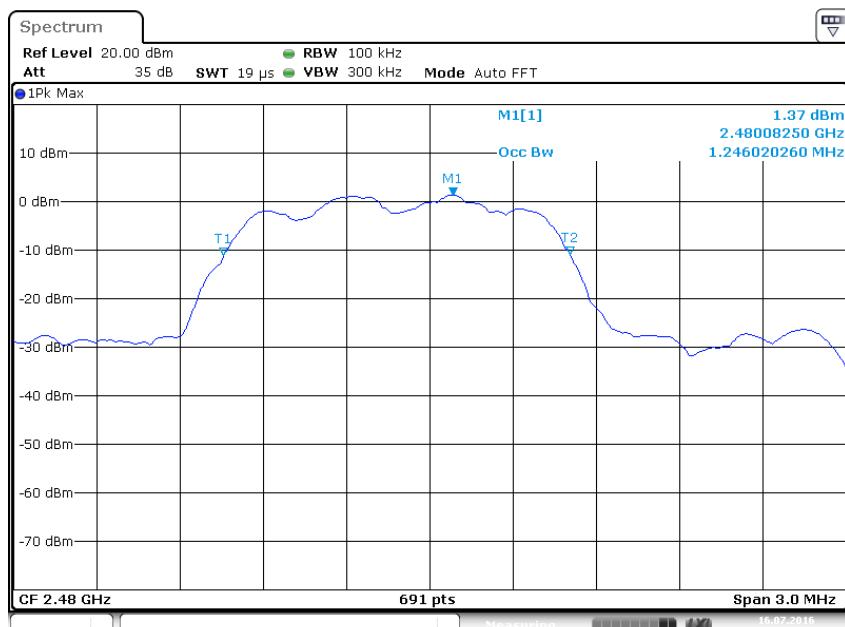
BDR Mode, DH1



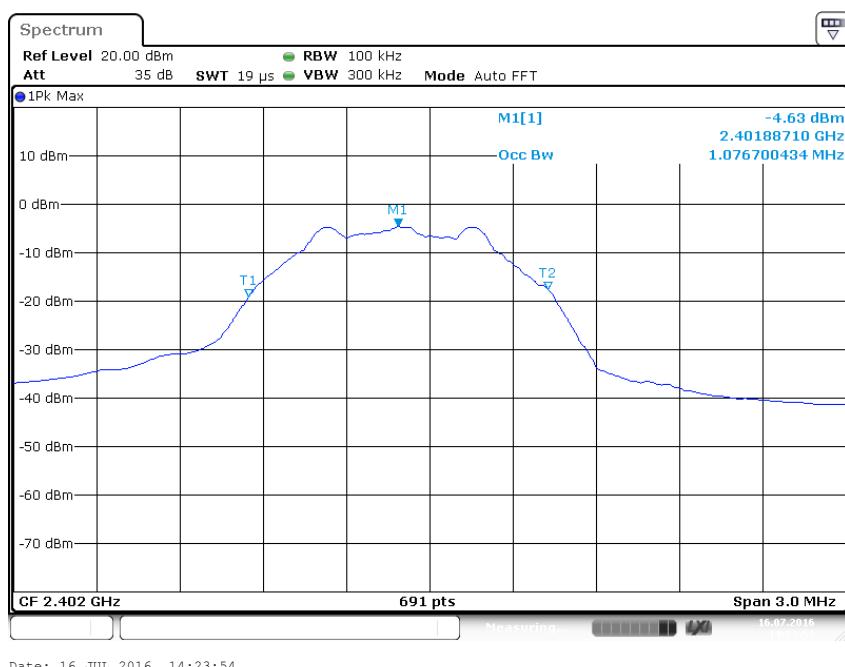


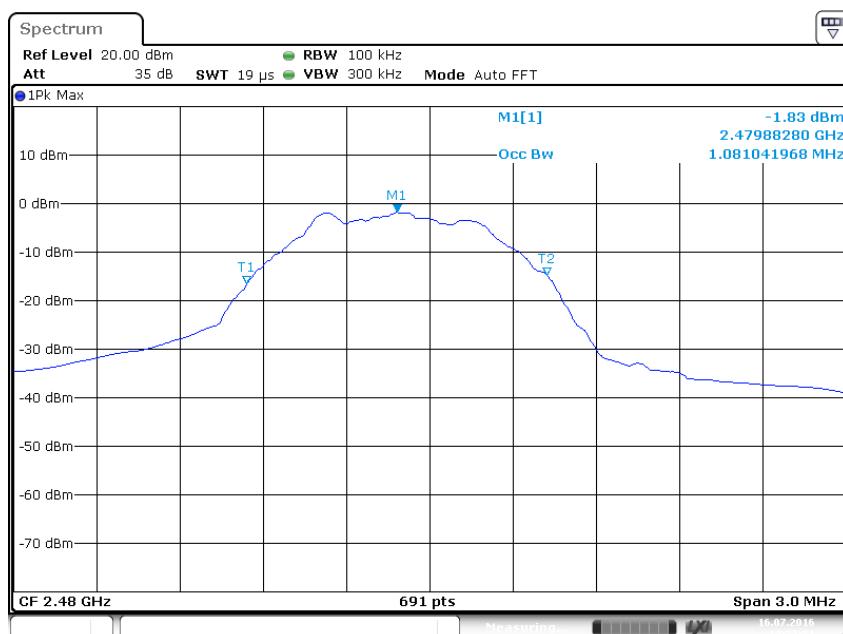
EDR Mode, 3DH1





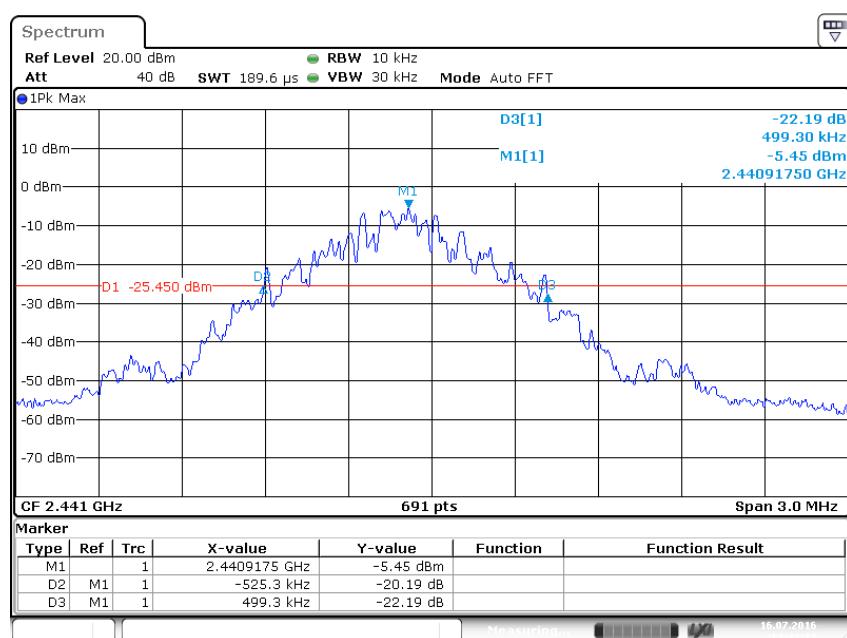
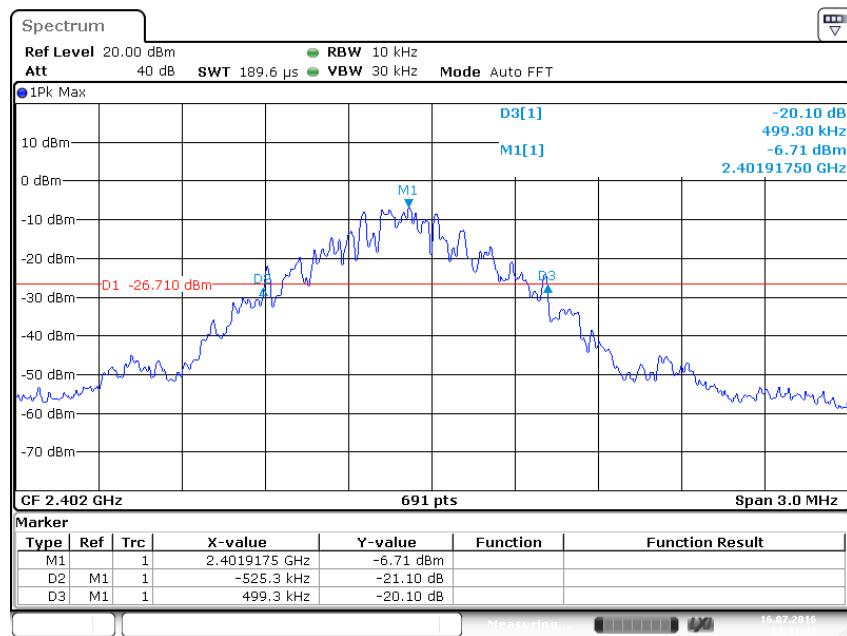
Low Energy Mode

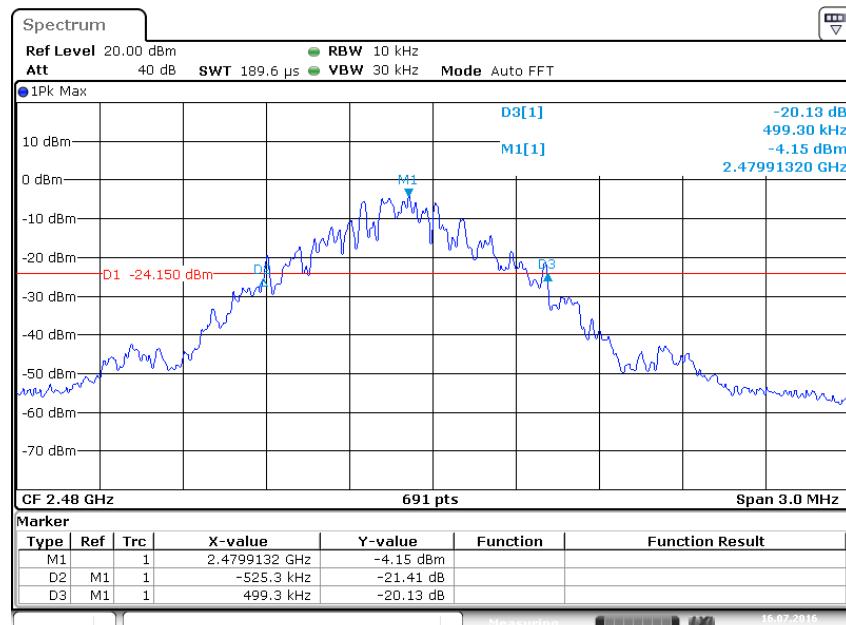




Appendix A.5: Test Plots of 20dB Bandwidth

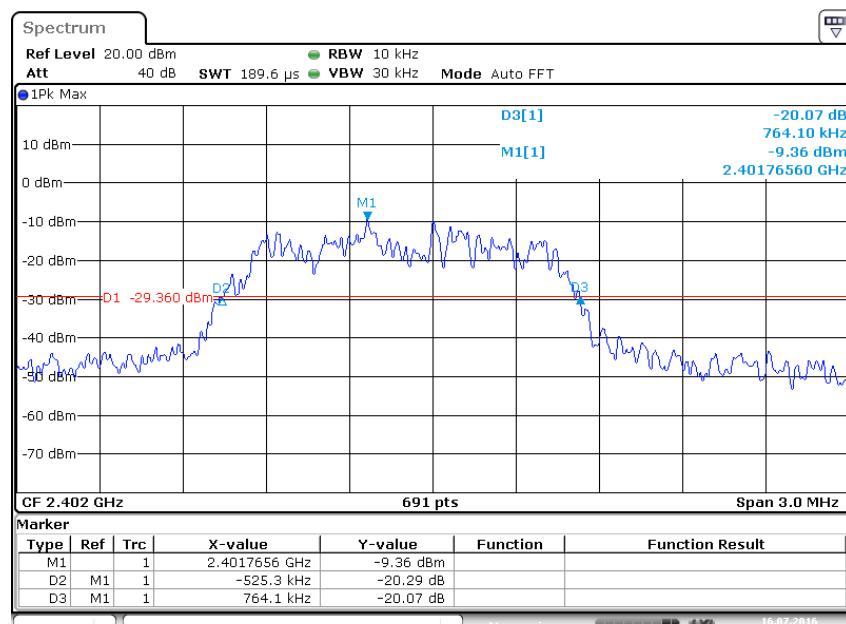
BDR Mode, DH1



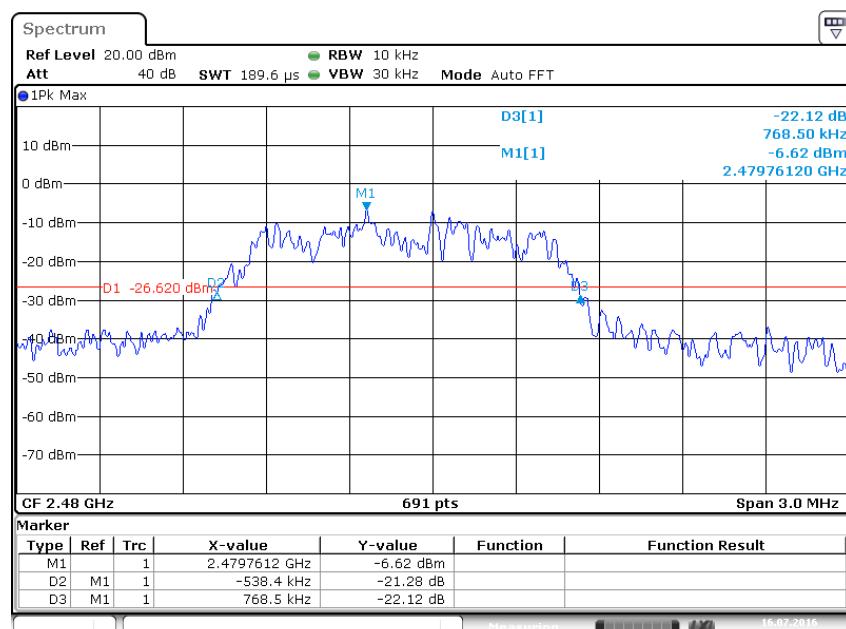
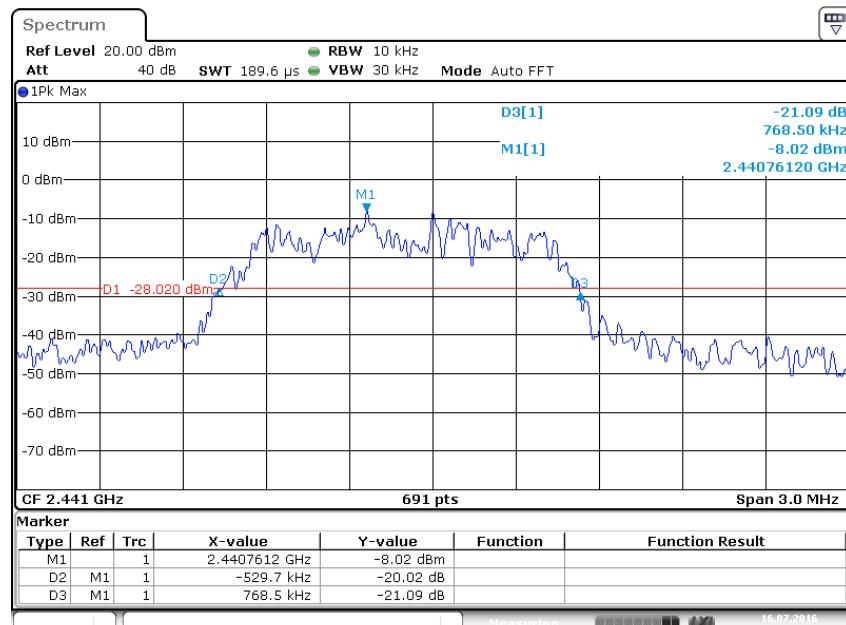


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EDR Mode, 3DH1

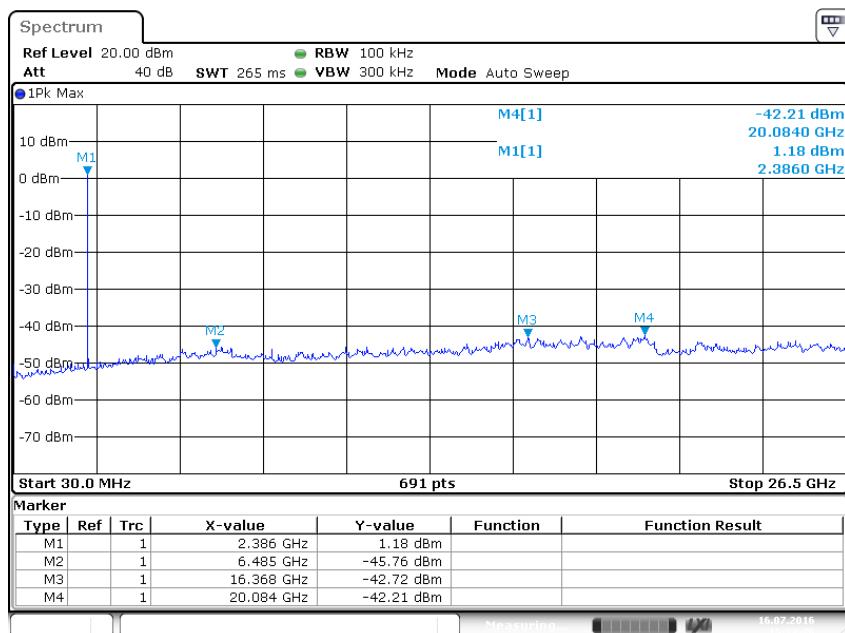


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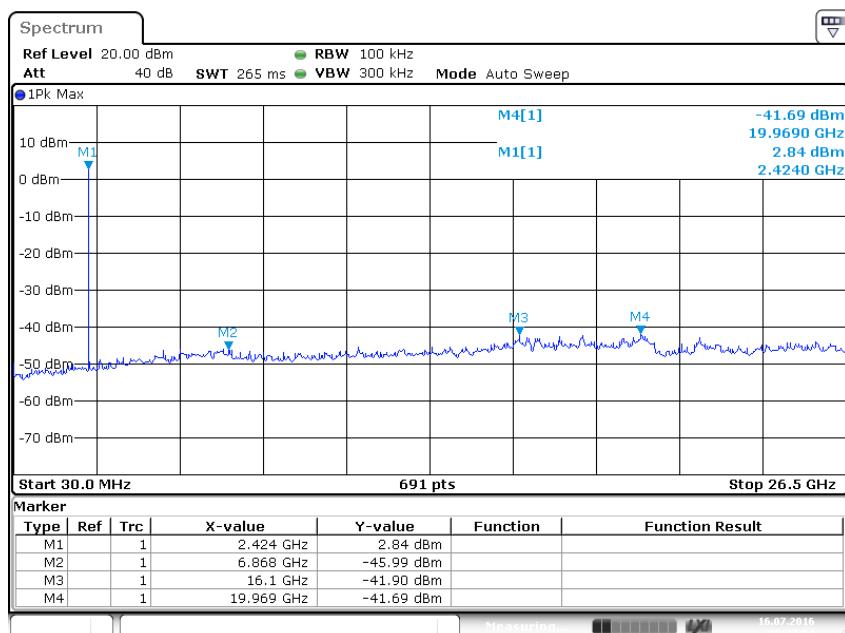


Appendix A.6: Test Plots of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

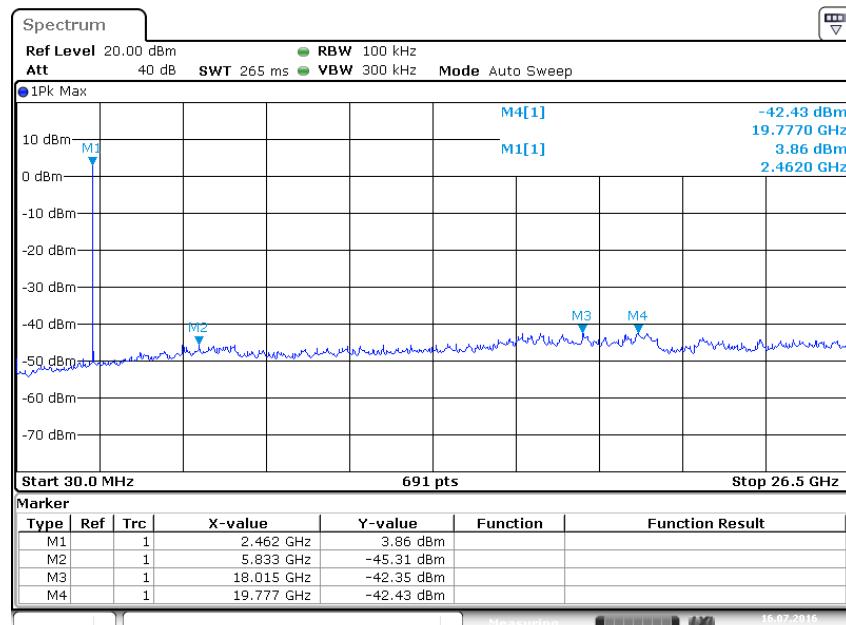
BDR Mode, DH1



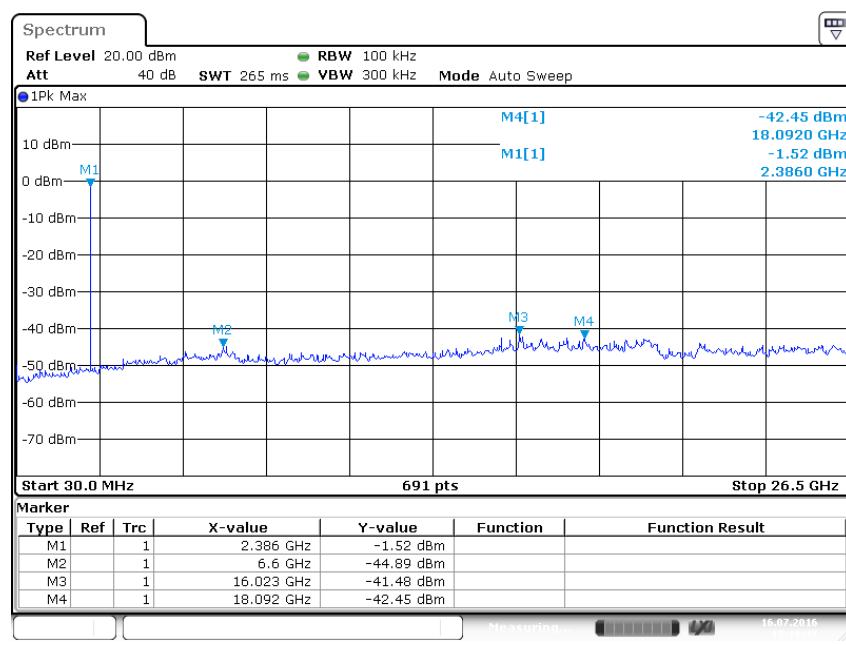
Date: 16.JUL.2016 15:23:36

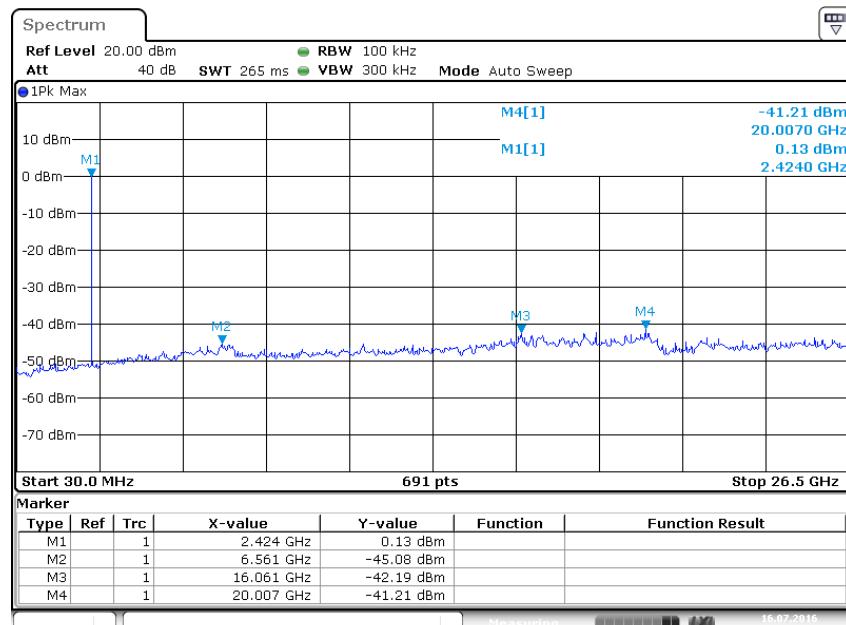


Date: 16.JUL.2016 15:22:55

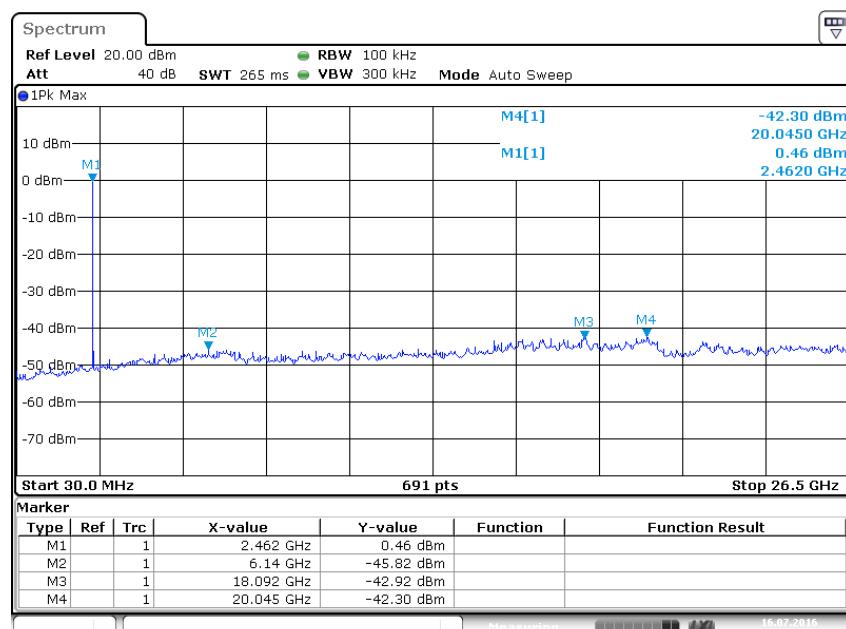


EDR Mode, 3DH1



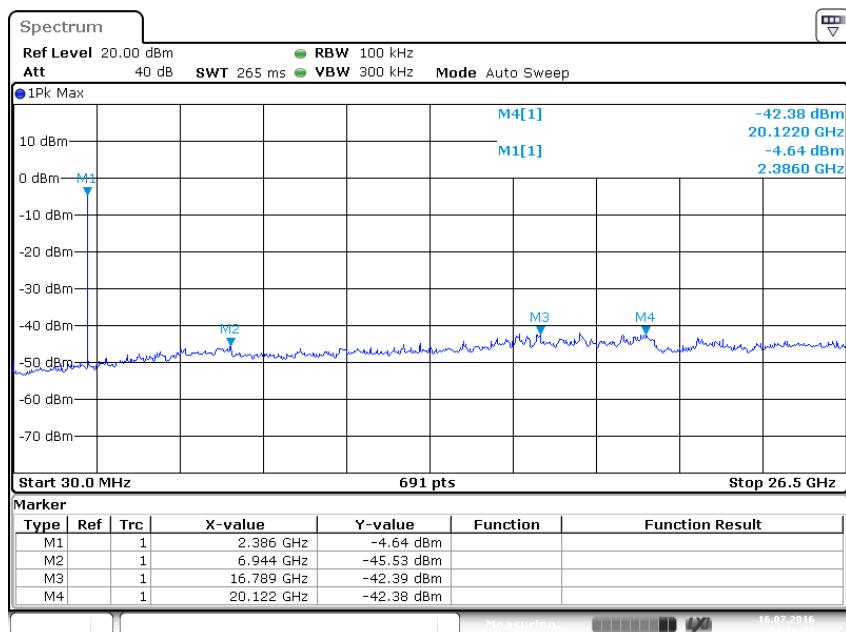


Date: 16.JUL.2016 15:19:57

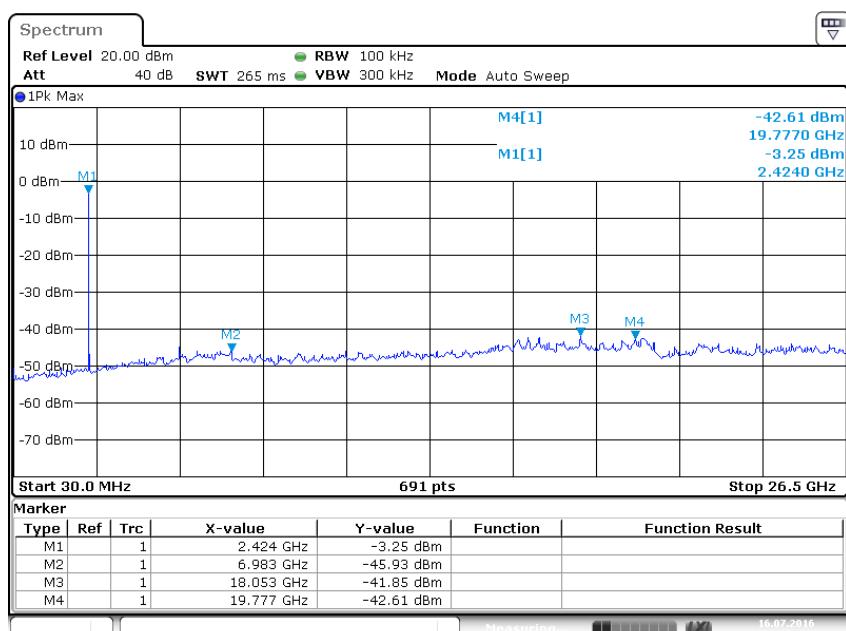


Date: 16.JUL.2016 15:20:41

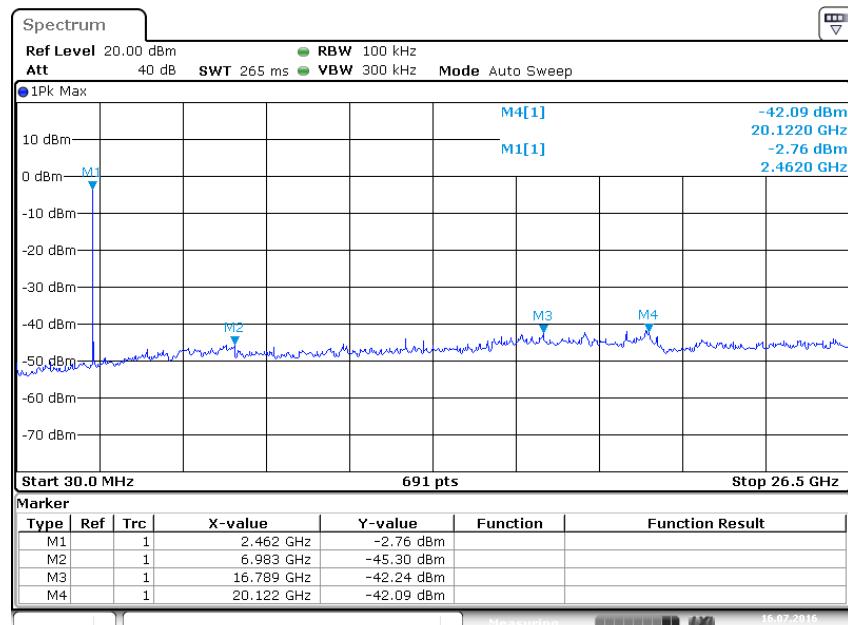
Low Energy Mode



Date: 16.JUL.2016 14:30:27

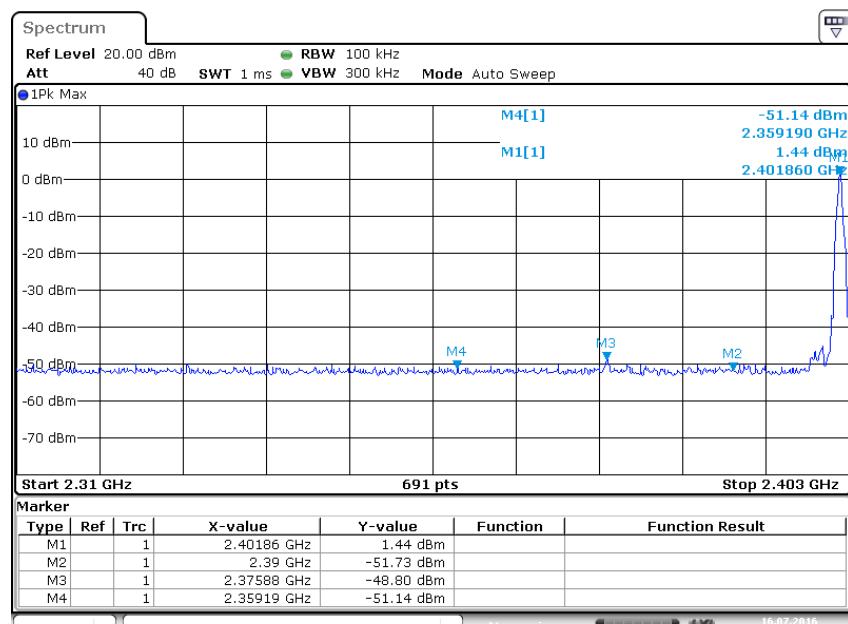


Date: 16.JUL.2016 14:29:12

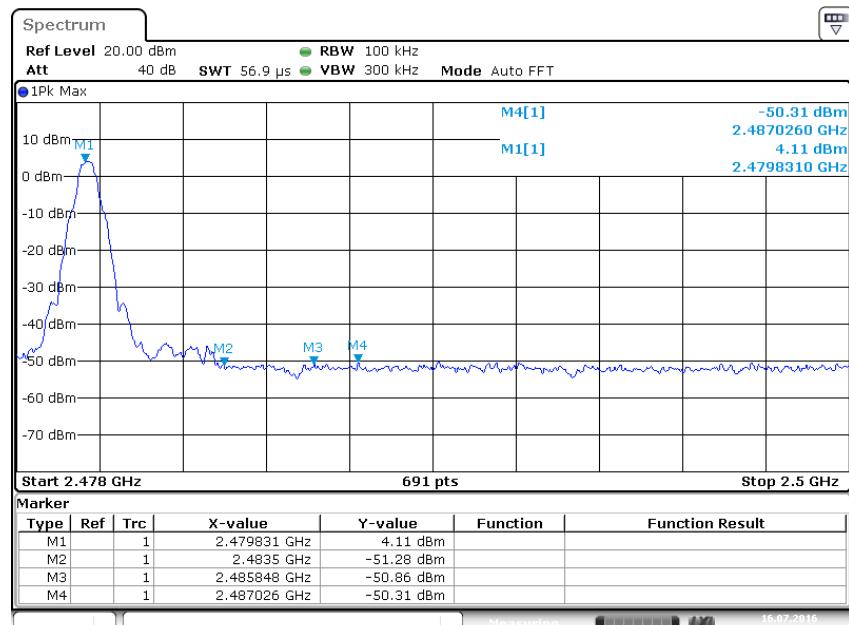


Date: 16.JUL.2016 14:28:22

BDR Mode, Band Edge

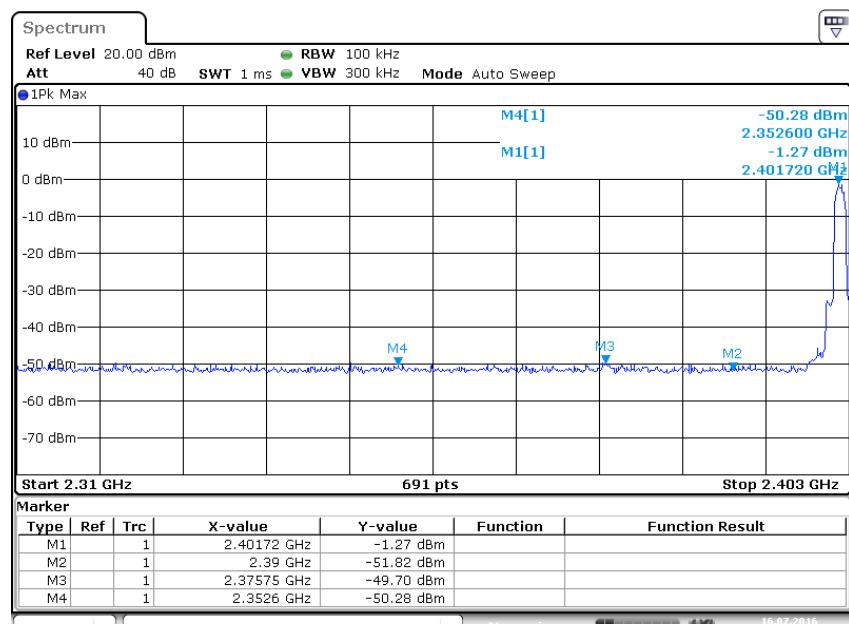


Date: 16.JUL.2016 15:12:31

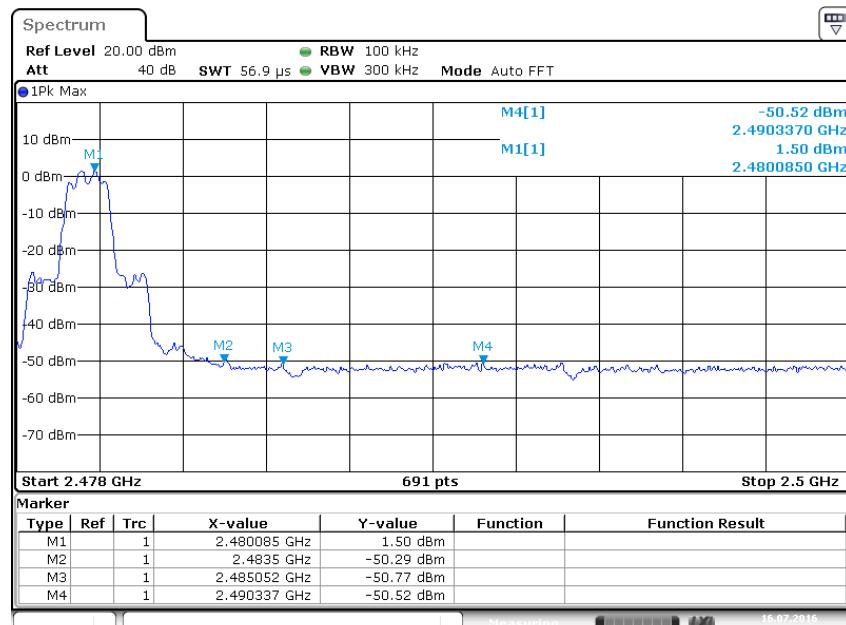


Date: 16.JUL.2016 15:13:52

EDR Mode, Band Edge

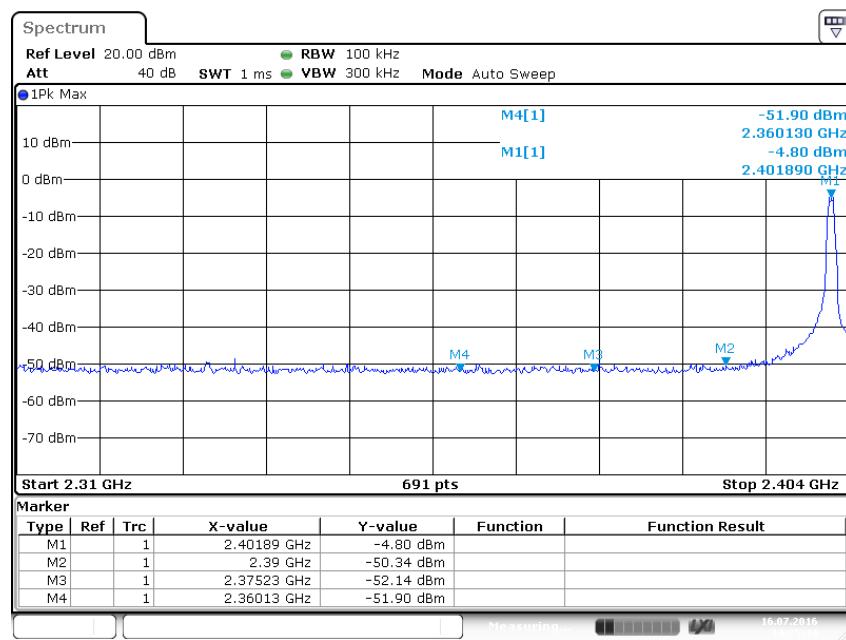


Date: 16.JUL.2016 15:17:02

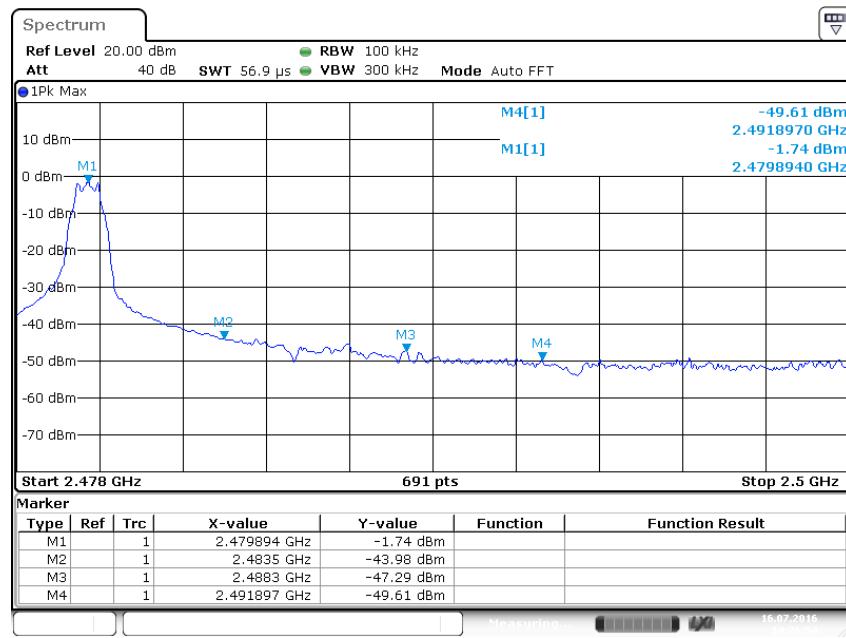


Date: 16.JUL.2016 15:15:51

Low Energy Mode, Band Edge

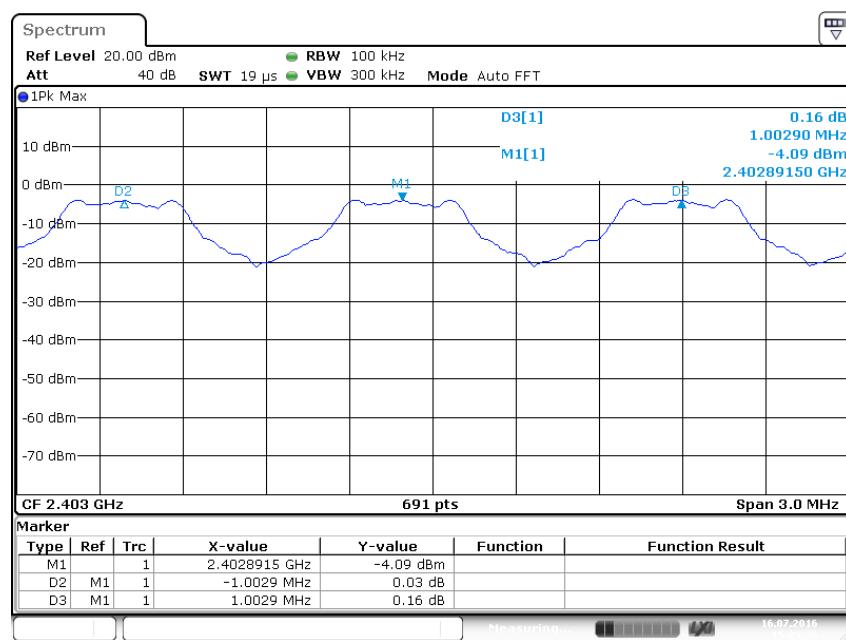


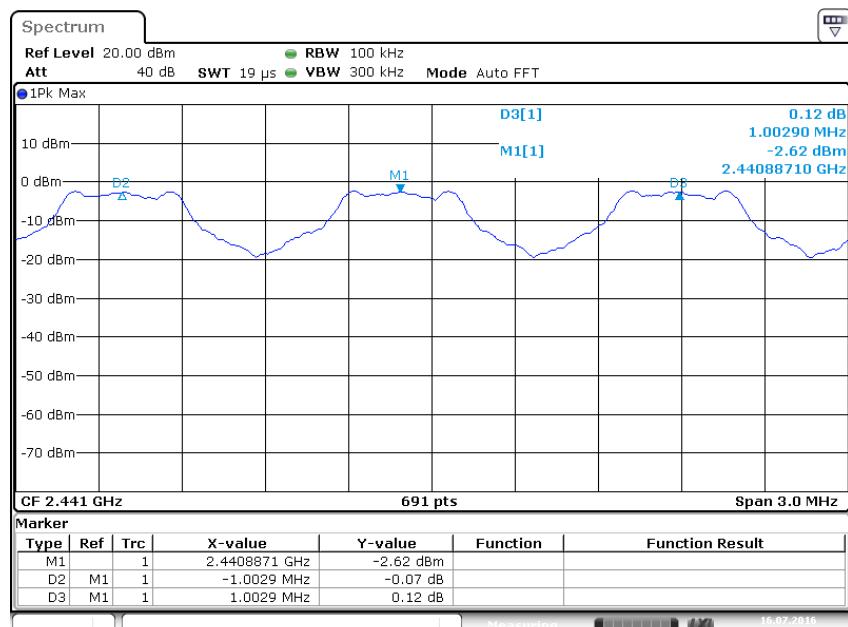
Date: 16.JUL.2016 14:25:44



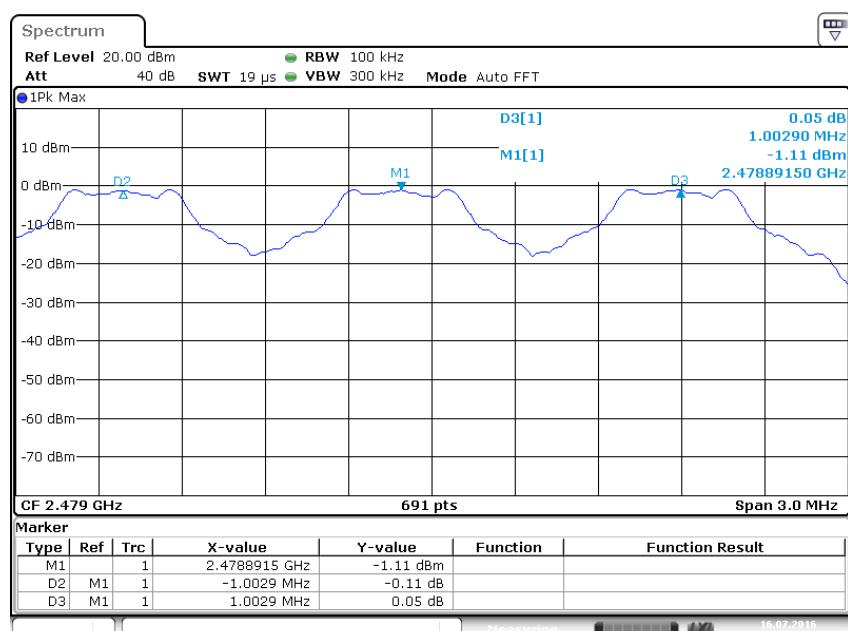
Appendix A.7: Test Plots of Carrier Frequency Separation

Hopping Mode





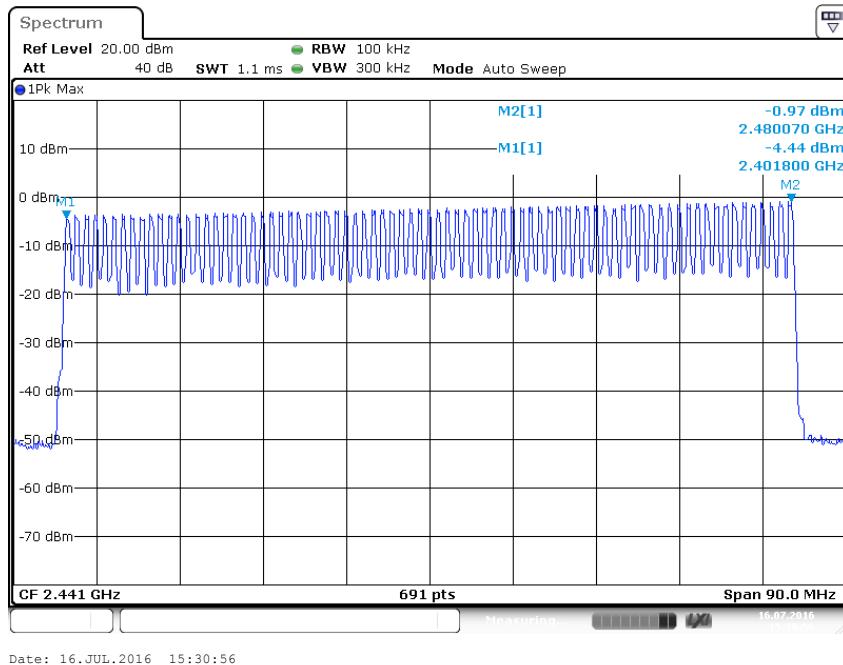
Date: 16.JUL.2016 15:27:03



Date: 16.JUL.2016 15:28:10

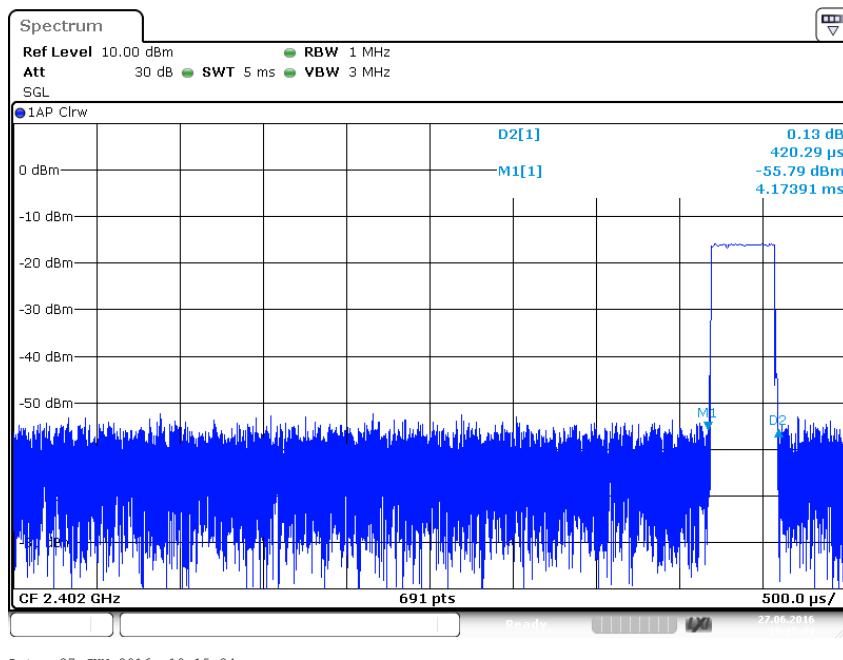
Appendix A.8: Test Plots of Number of Hopping Frequency

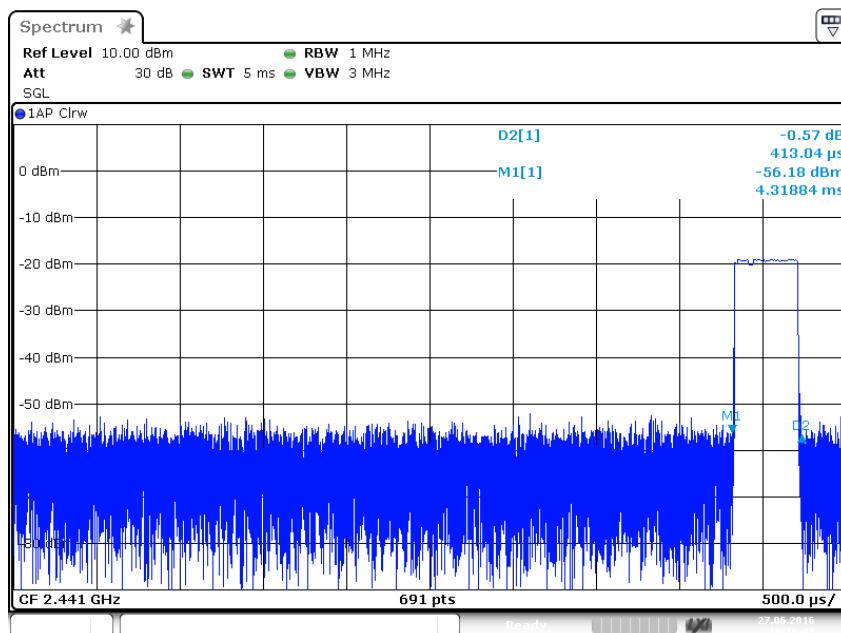
Hopping Mode



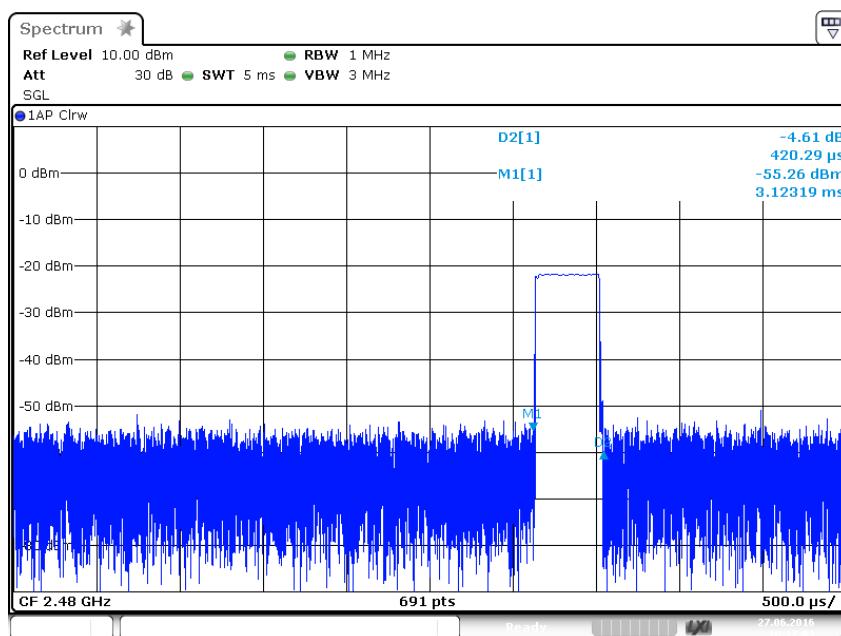
Appendix A.9: Test Plots of Time of Occupancy

BDR Mode, DH1



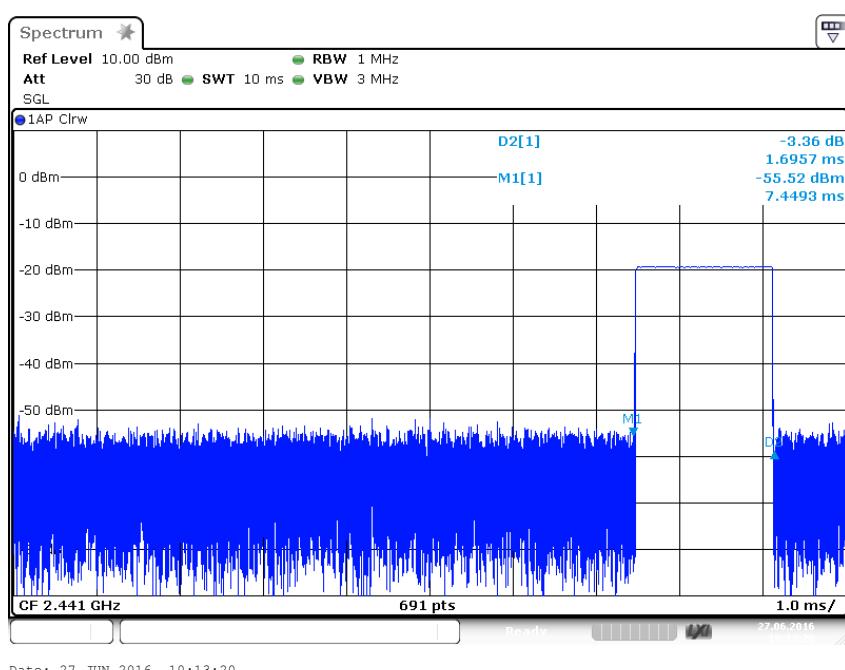
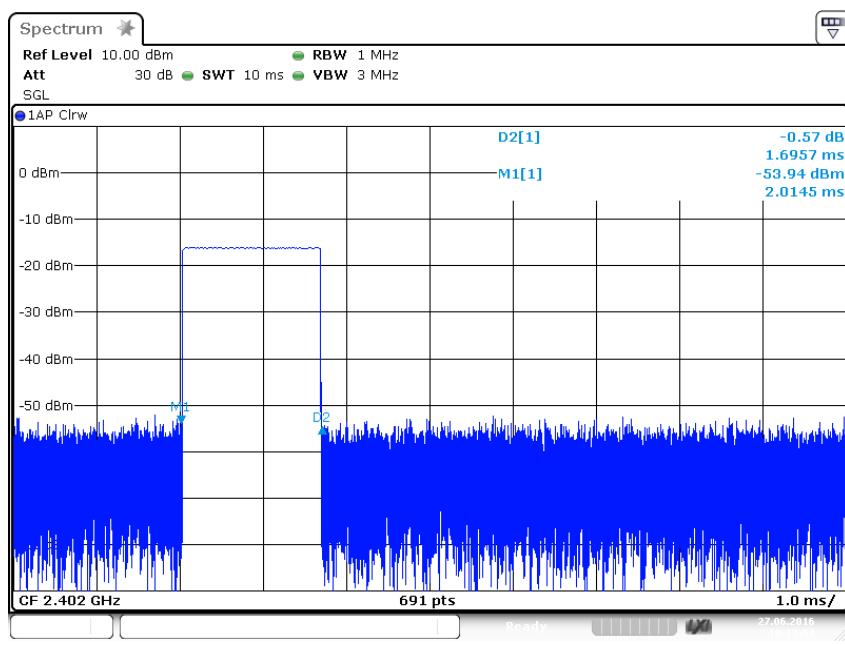


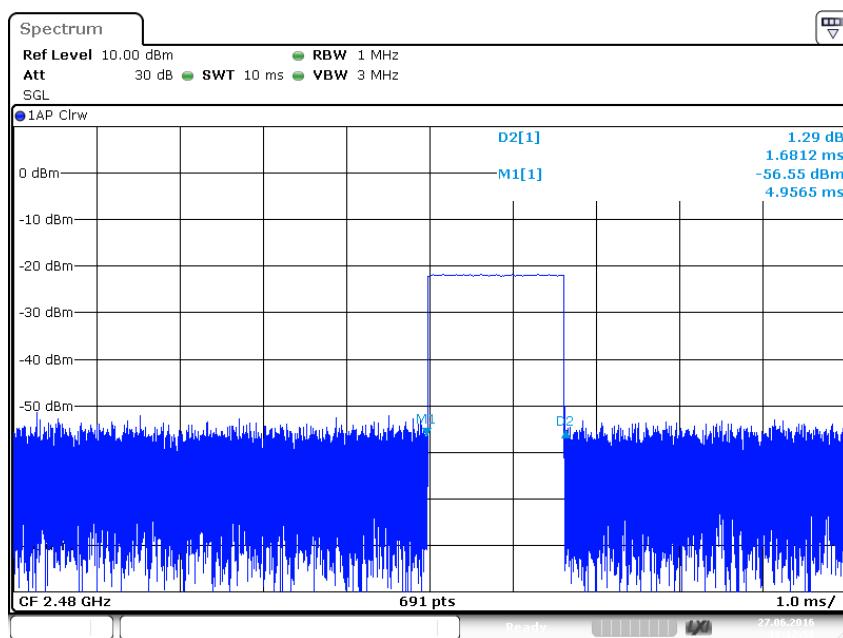
Date: 27.JUN.2016 10:16:01



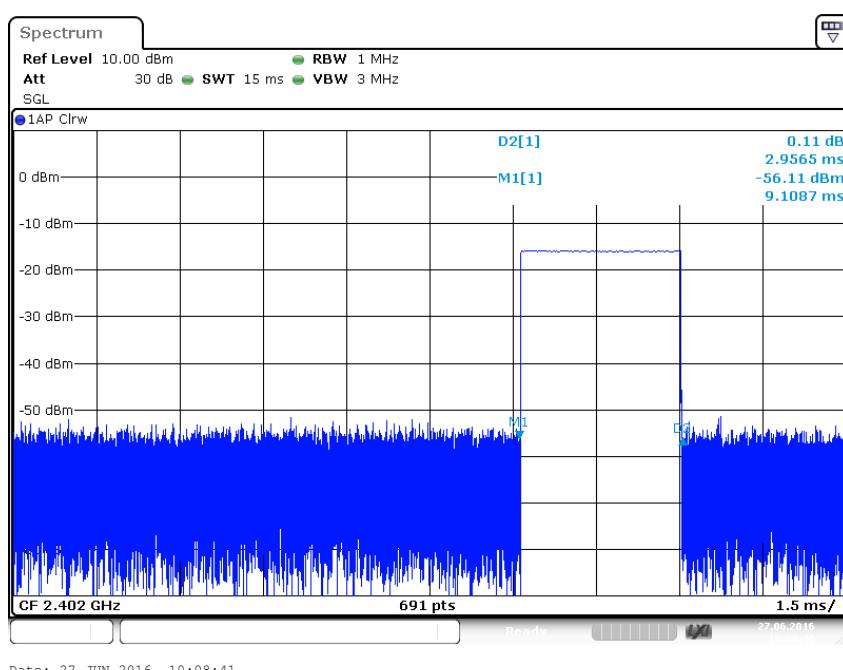
Date: 27.JUN.2016 10:17:03

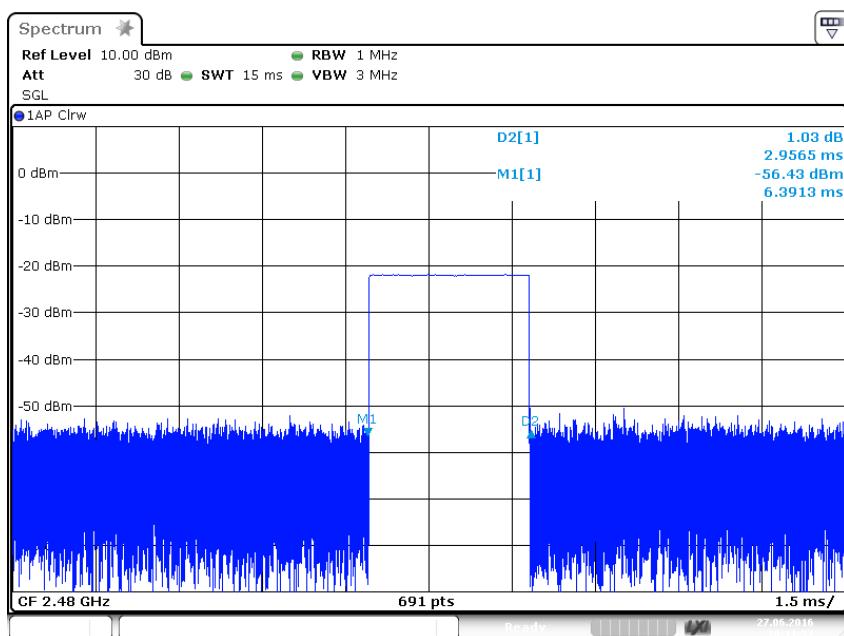
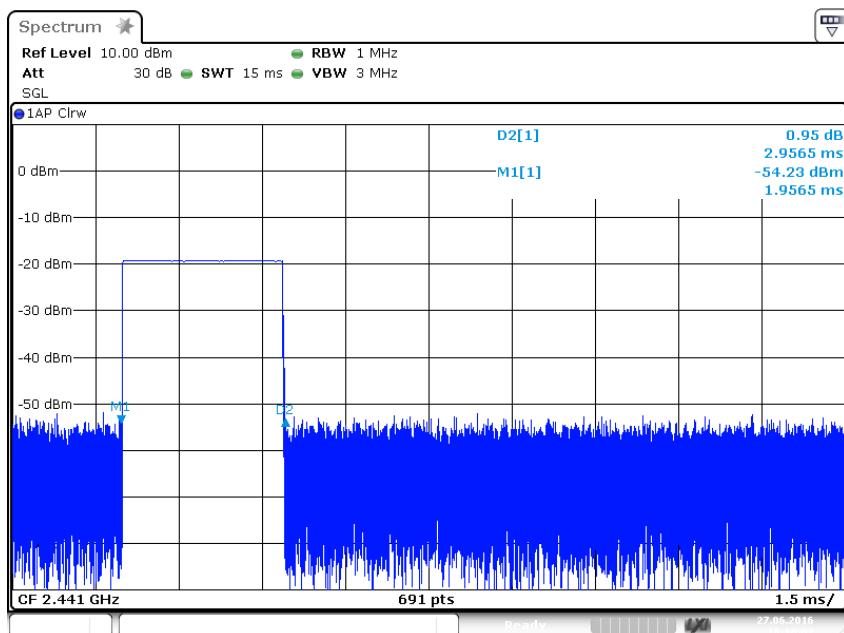
BDR Mode, DH3



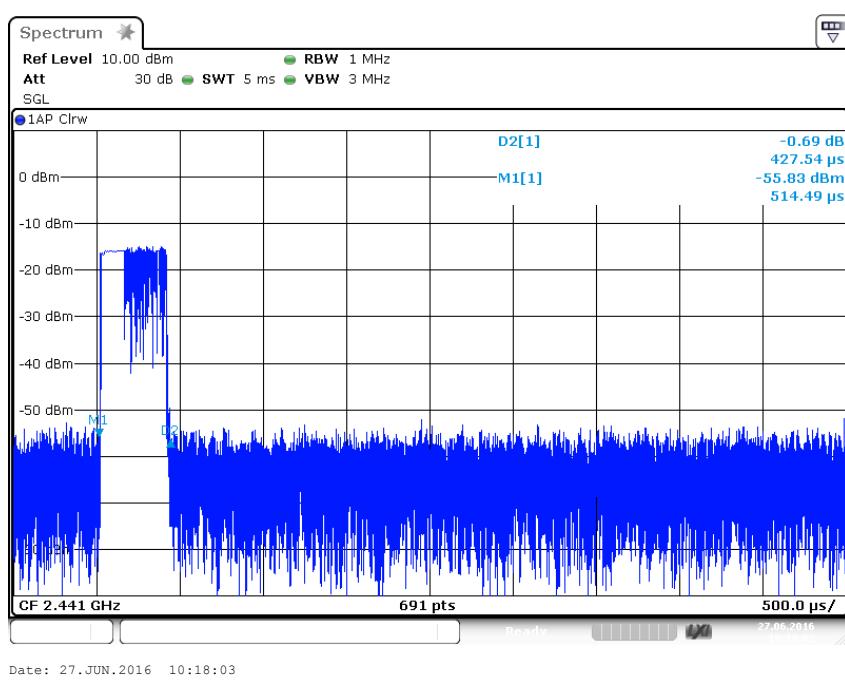
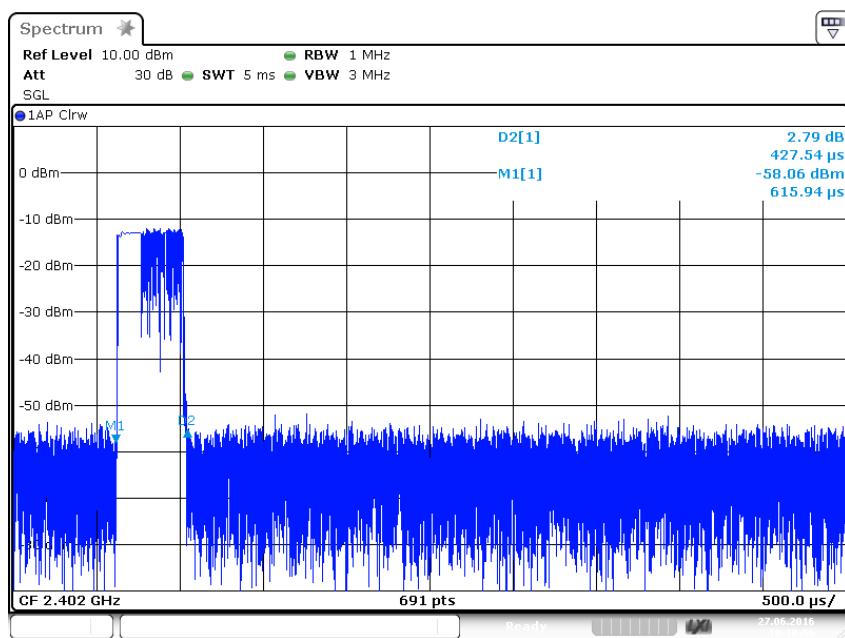


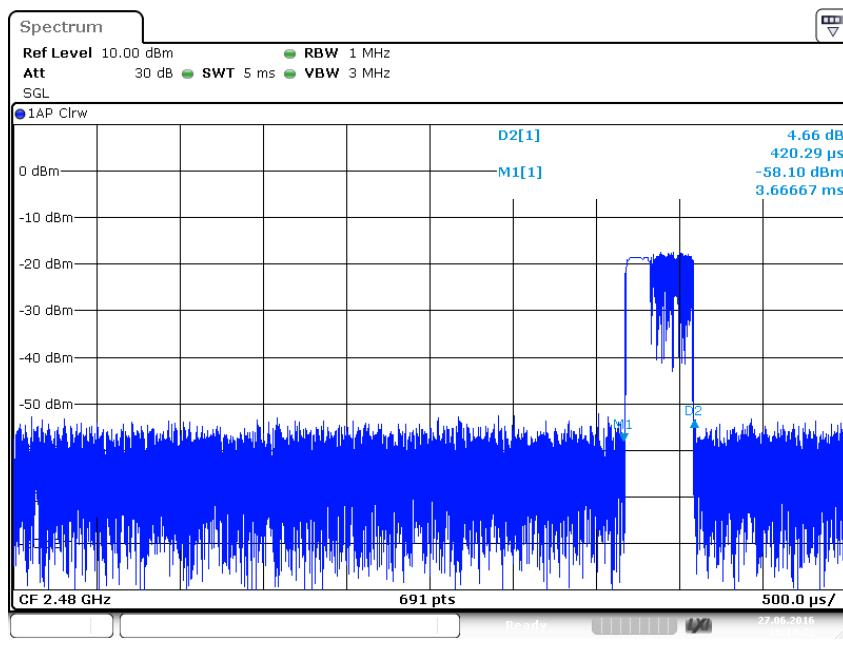
BDR Mode, DH5



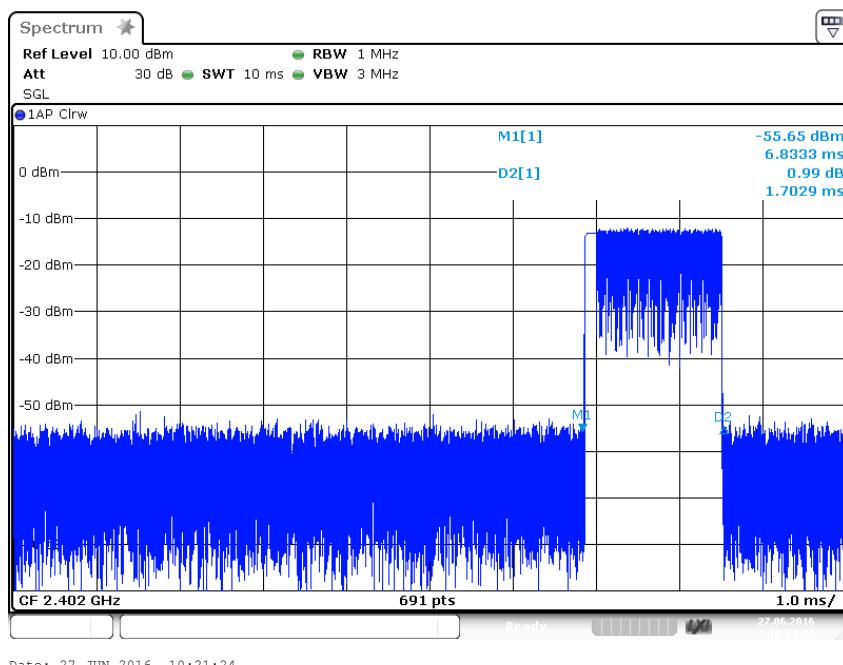


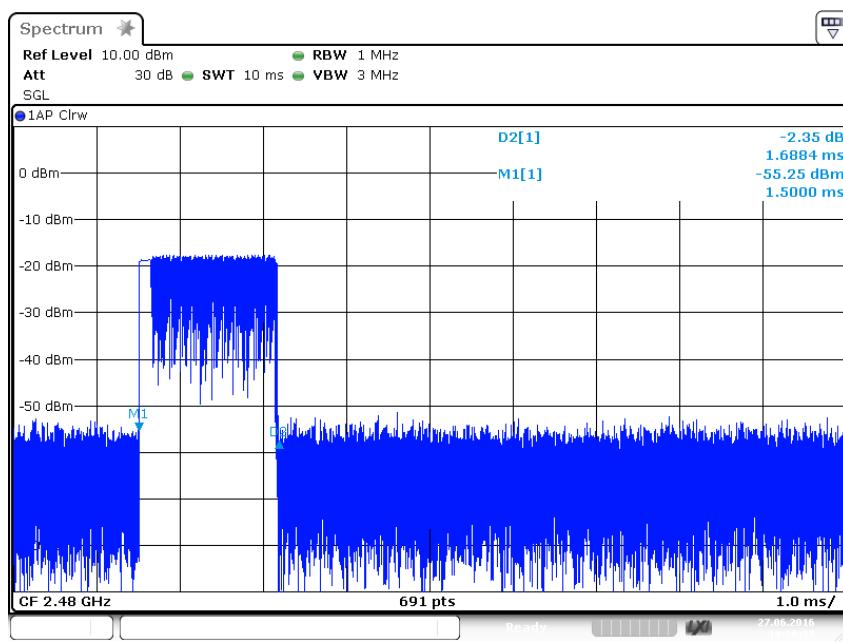
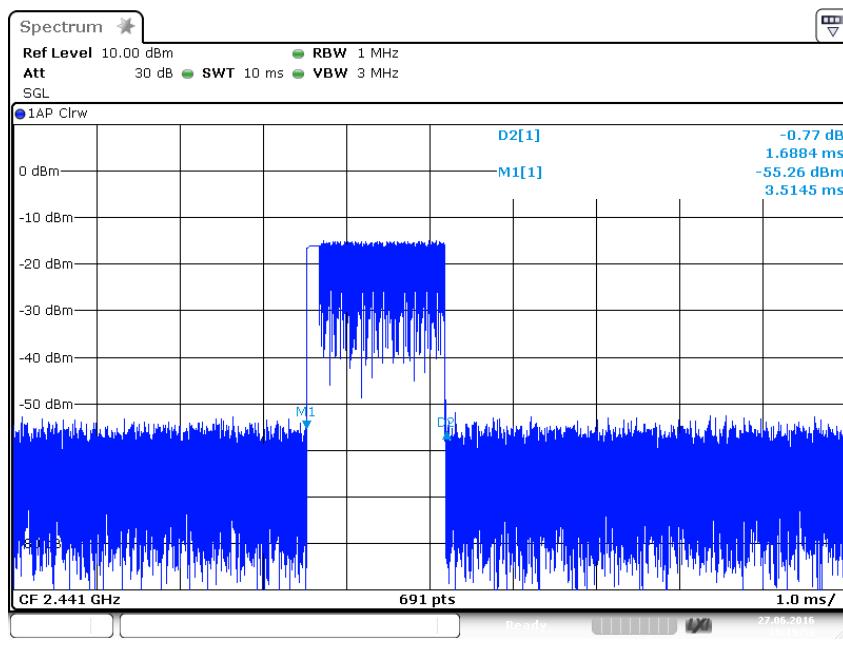
EDR Mode, 3DH1



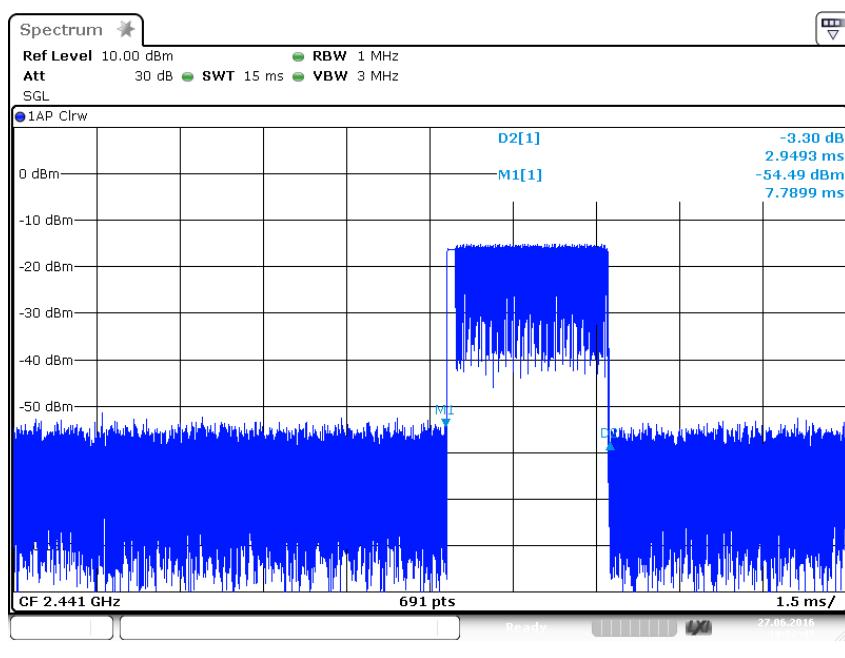
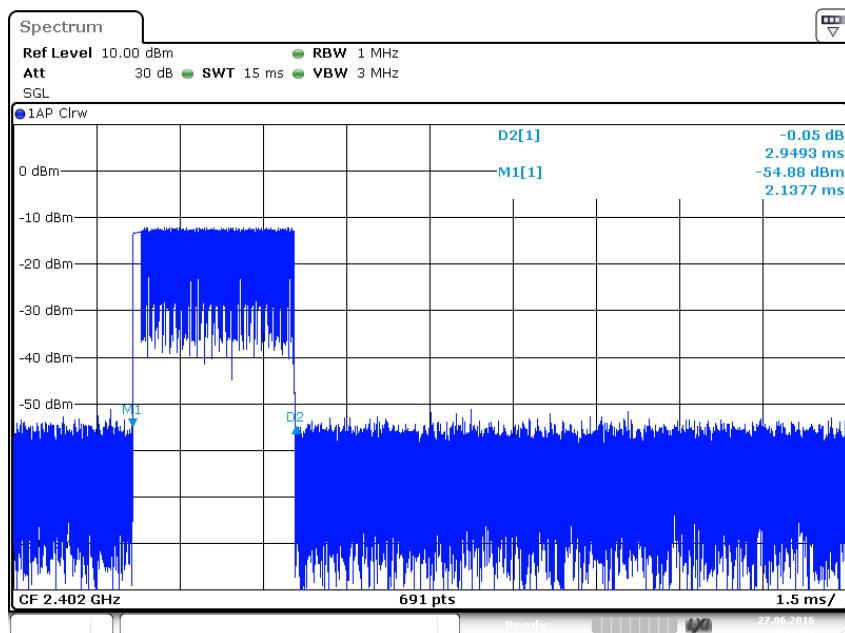


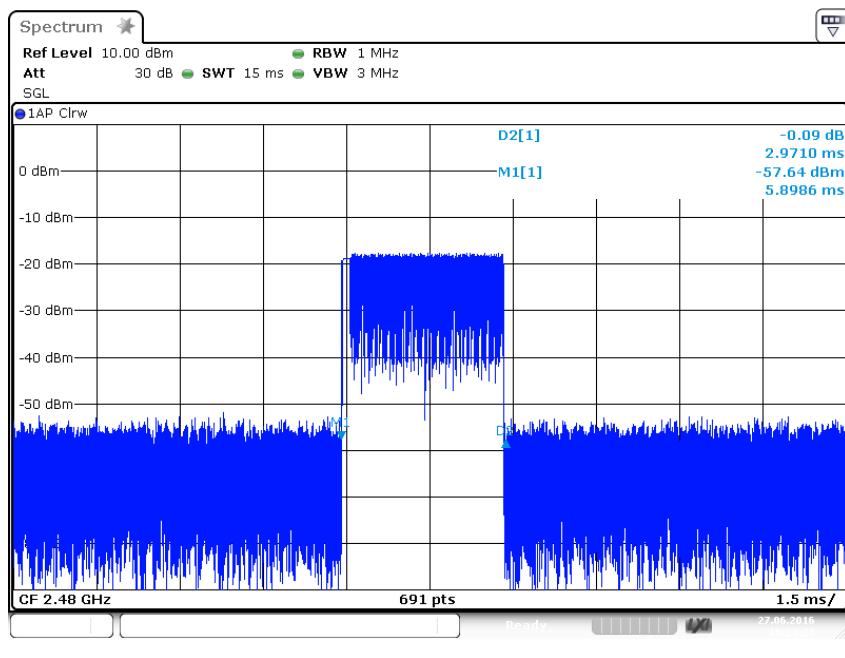
EDR Mode, 3DH3





EDR Mode, 3DH5





Appendix B

Test Results of Bluetooth 4.1 (Dual mode) of Conducted and Radiated Emission Testing

| | |
|--|----|
| APPENDIX B | 1 |
| APPENDIX B.1: TEST PLOTS OF RADIATED SPURIOUS EMISSION | 2 |
| <i>BDR mode, 9KHz - 30MHz</i> | 2 |
| <i>BDR mode, 30MHz - 1GHz</i> | 5 |
| <i>BDR mode, 1GHz - 18GHz</i> | 11 |
| <i>BDR mode, 18GHz - 26.5GHz</i> | 17 |
| <i>Low Energy mode, 9KHz - 30MHz</i> | 23 |
| <i>Low Energy mode, 30MHz - 1GHz</i> | 26 |
| <i>Low Energy mode, 1GHz - 18GHz</i> | 32 |
| <i>Low Energy mode, 18GHz - 26.5GHz</i> | 38 |
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Note: The measurements with active loop antenna were greater than 20dB below the limit, so Radiated Spurious Emissions (9kHz – 30MHz) tests were applied on BDR mode only.

Appendix B.1: Test Plots of Radiated Spurious Emission

BDR mode, 9KHz - 30MHz

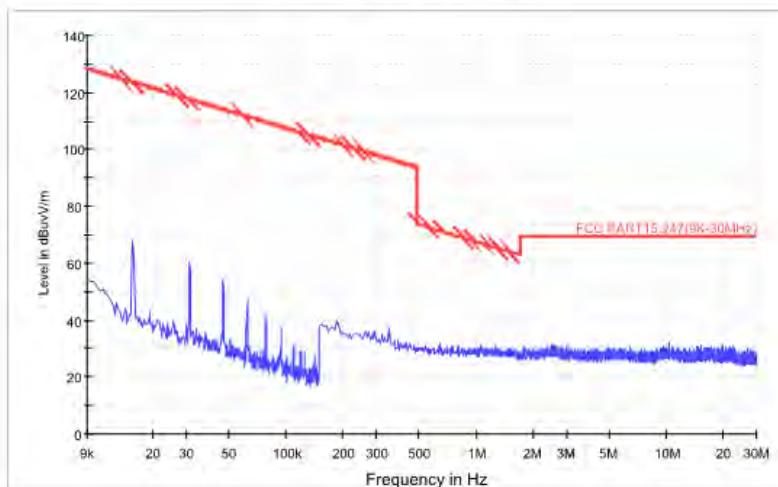
ACCURATE TECHNOLOGY CO.,LTD

RADIATED EMISSION

Common Information

Test Description: EMC32 Standard Report Setup
Operating Conditions:
Operator Name:

FCC PART15.247(9K-30MHz)



Protocol

Test Start: 2016-7-16 10:10:00
Test Stop: 2016-7-16 10:12:25

EUT Information

EUT Name: Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Operation Mode: TX 2402MHz
Operator: LGWADE
Power : DC 3.7V
Antenna Polarization: X
Comment:

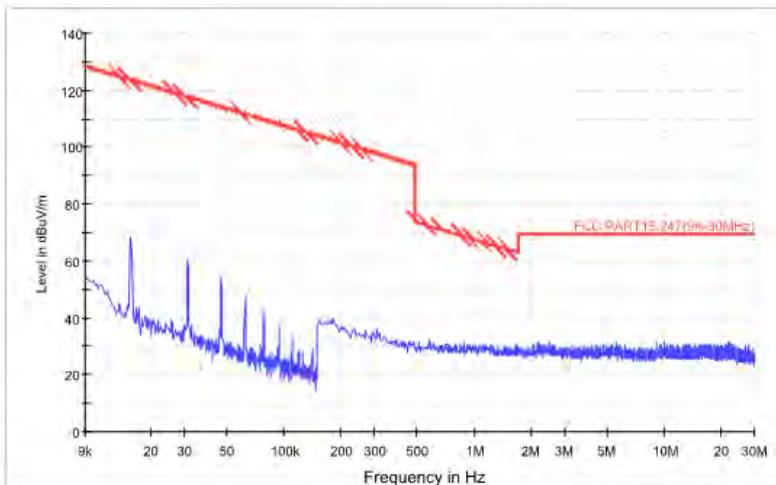
ACCURATE TECHNOLOGY CO.,LTD

RADIATED EMISSION GB18655 2010 CLASS2

Common Information

Test Description: EMC32 Standard Report Setup
Operating Conditions:
Operator Name:

FCC PART15.247(9K-30MHz)



Protocol

Test Start: 2016-7-16 10:13:20
Test Stop: 2016-7-16 10:15:44

EUT Information

EUT Name: Bluetooth Receiver Kit M/N:NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Operation Mode: TX 2441MHz
Operator: LGWADE
Power : DC 3.7V
Antenna Polarization: Y
Comment:

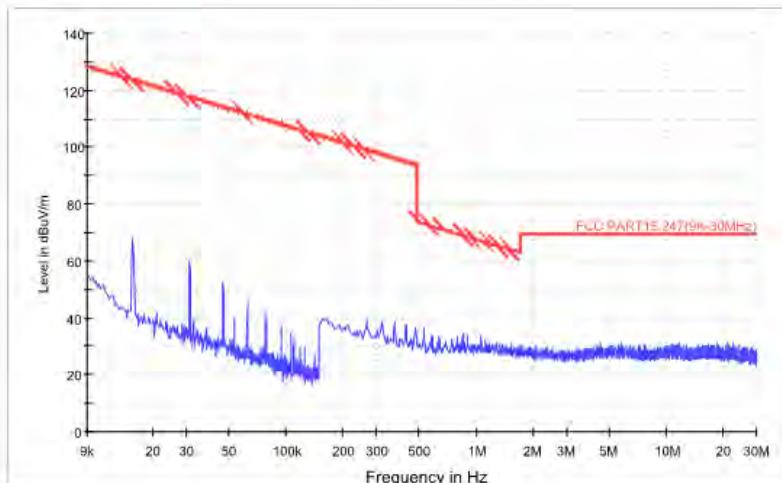
ACCURATE TECHNOLOGY CO.,LTD

RADIATED EMISSION GB18655 2010 CLASS2

Common Information

Test Description: EMC32 Standard Report Setup
Operating Conditions:
Operator Name:

FCC PART15.247(9K-30MHz)



Protocol

Test Start: 2016-7-16 10:19:32
Test Stop: 2016-7-16 10:21:56

EUT Information

| | |
|-----------------------|--|
| EUT Name: | Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C |
| Manufacturer: | Anfair Electronics Plastic Factory |
| Operation Mode: | TX 2480MHz |
| Operator | LGWADE |
| Power : | DC 3.7V |
| Antenna Polarization: | Z |
| Comment: | |

BDR mode, 30MHz - 1GHz



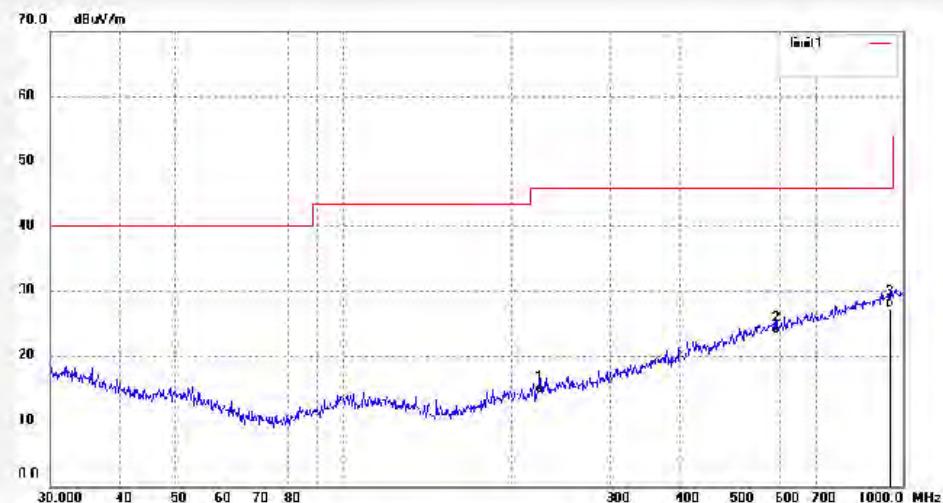
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | | | |
|-------------------|------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2708 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Anfair Electronics Plastic Factory | | |

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 224.5192 | 25.75 | -11.46 | 14.29 | 46.00 | -31.71 | QP | | | |
| 2 | 593.0497 | 26.45 | -3.03 | 23.42 | 46.00 | -22.58 | QP | | | |
| 3 | 948.7608 | 25.27 | 2.13 | 27.40 | 46.00 | -18.60 | QP | | | |

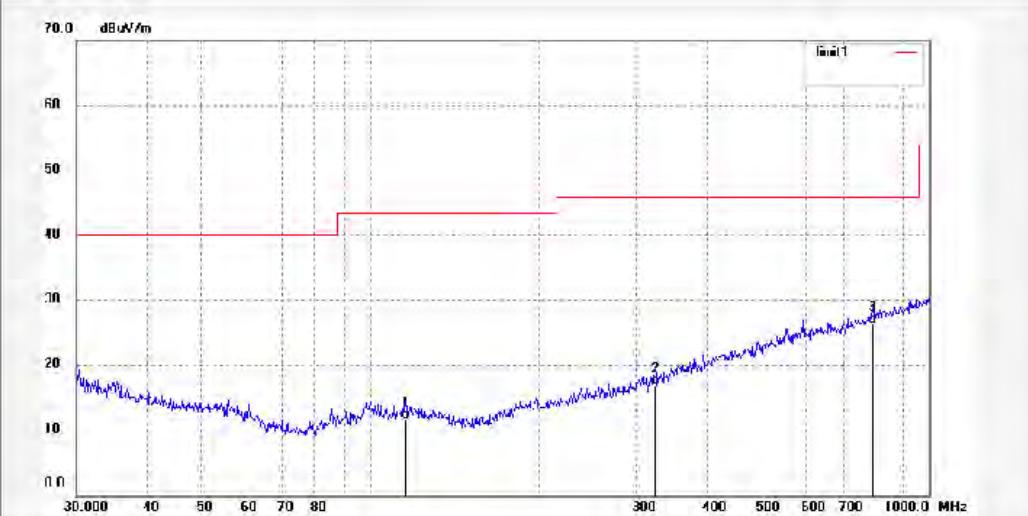


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Fax:+86-0755-26503396

| | | | |
|-------------------|-------------------------------------|---------------------|------------|
| Job No.: | Igwade #2709 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 116.1320 | 24.76 | -13.15 | 11.61 | 43.50 | -31.89 | QP | | | |
| 2 | 324.4560 | 25.45 | -8.56 | 16.89 | 46.00 | -29.11 | QP | | | |
| 3 | 793.3958 | 26.51 | -0.12 | 26.39 | 46.00 | -19.61 | QP | | | |



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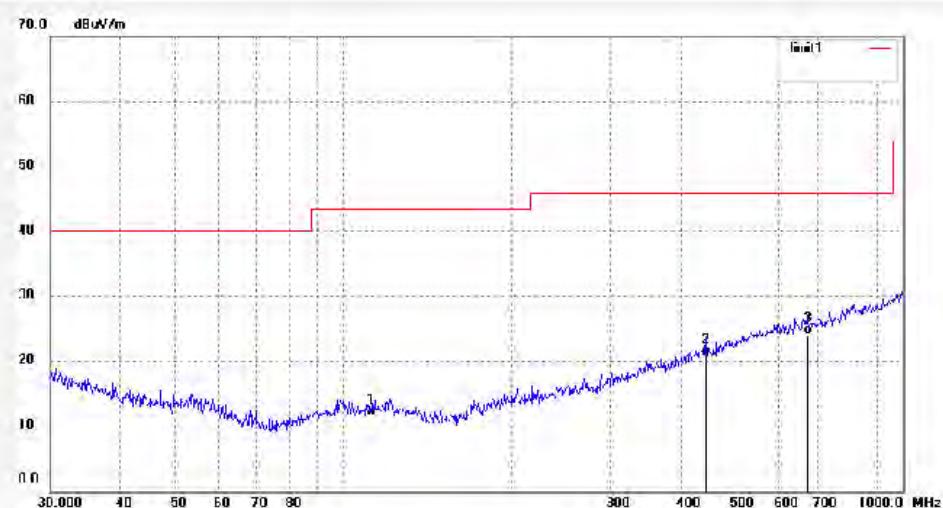
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2710
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2441MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Antair Electronics Plastic Factory

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 112.5243 | 24.92 | -13.52 | 11.40 | 43.50 | -32.10 | QP | | | |
| 2 | 443.2943 | 26.62 | -5.87 | 20.75 | 46.00 | -25.25 | QP | | | |
| 3 | 675.2078 | 26.15 | -2.07 | 24.08 | 46.00 | -21.92 | QP | | | |



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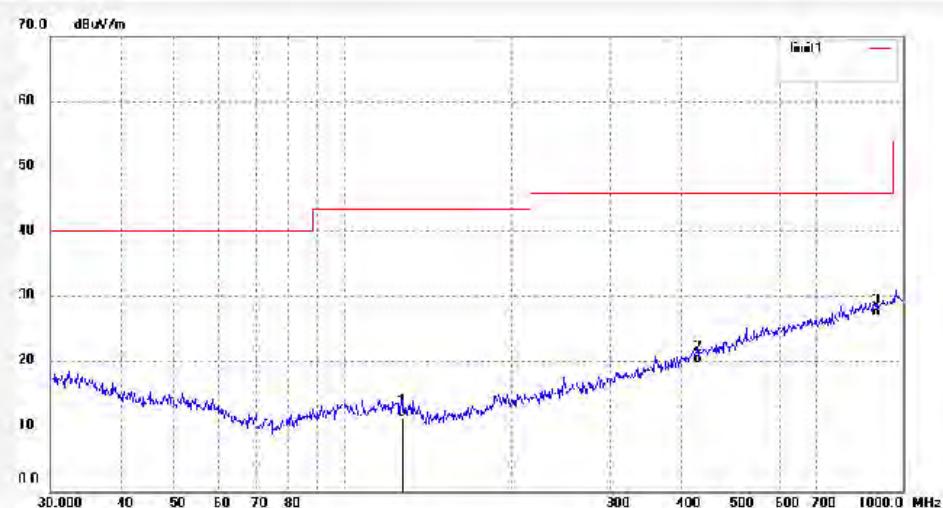
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2711
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2441MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 127.2176 | 25.04 | -13.79 | 11.25 | 43.50 | -32.25 | QP | | | |
| 2 | 429.5228 | 25.77 | -6.05 | 19.72 | 46.00 | -26.28 | QP | | | |
| 3 | 896.9964 | 25.64 | 1.27 | 26.91 | 46.00 | -19.09 | QP | | | |



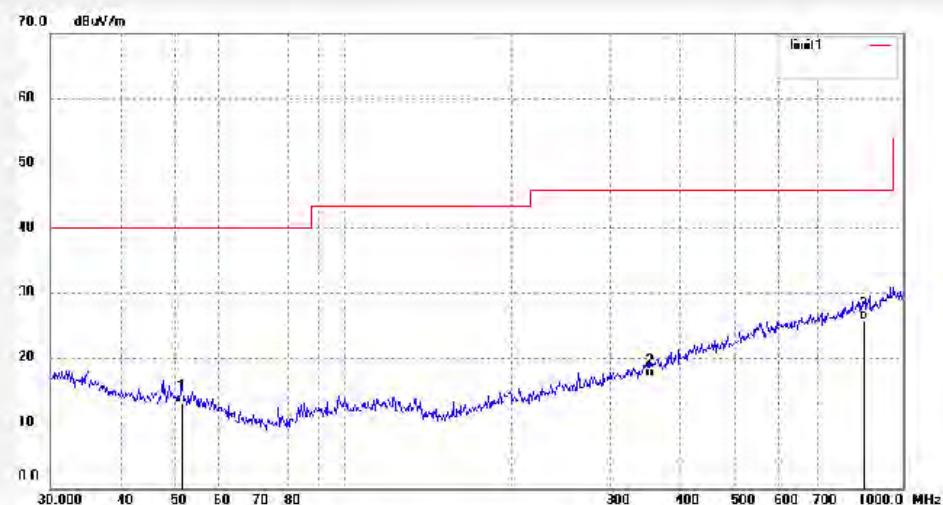
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Fax:+86-0755-26503396

Job No.: Igwade #2712
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Antfair Electronics Plastic Factory
Note: Bluetooth

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 51.4806 | 25.77 | -12.71 | 13.06 | 40.00 | -26.94 | QP | | | |
| 2 | 352.9433 | 24.74 | -7.73 | 17.01 | 46.00 | -28.99 | QP | | | |
| 3 | 851.0353 | 25.13 | 0.72 | 25.85 | 46.00 | -20.15 | QP | | | |

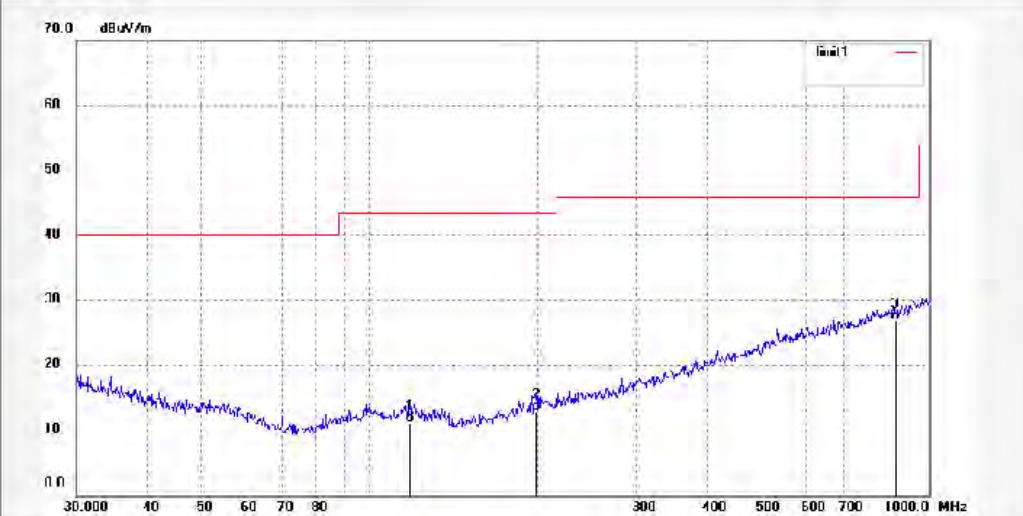


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Fax:+86-0755-26503396

| | | | |
|-------------------|------------------------------------|---------------------|------------|
| Job No.: | Igware #2713 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 118.1861 | 24.18 | -13.15 | 11.03 | 43.50 | -32.47 | QP | | | |
| 2 | 198.5879 | 25.25 | -12.46 | 12.79 | 43.50 | -30.71 | QP | | | |
| 3 | 872.1832 | 25.88 | 1.07 | 26.95 | 46.00 | -19.05 | QP | | | |

BDR mode, 1GHz - 18GHz



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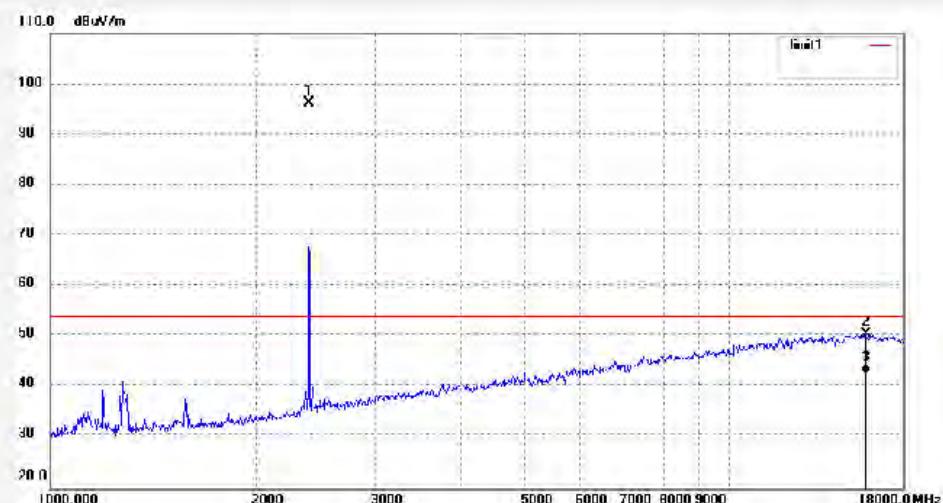
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2676
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2402MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2402.000 | 103.64 | -7.45 | 96.19 | / | / | peak | | | |
| 2 | 15896.290 | 10.39 | 40.02 | 50.41 | 74.00 | -23.59 | peak | | | |
| 3 | 15896.290 | 2.51 | 40.02 | 42.53 | 54.00 | -11.47 | AVG | | | |



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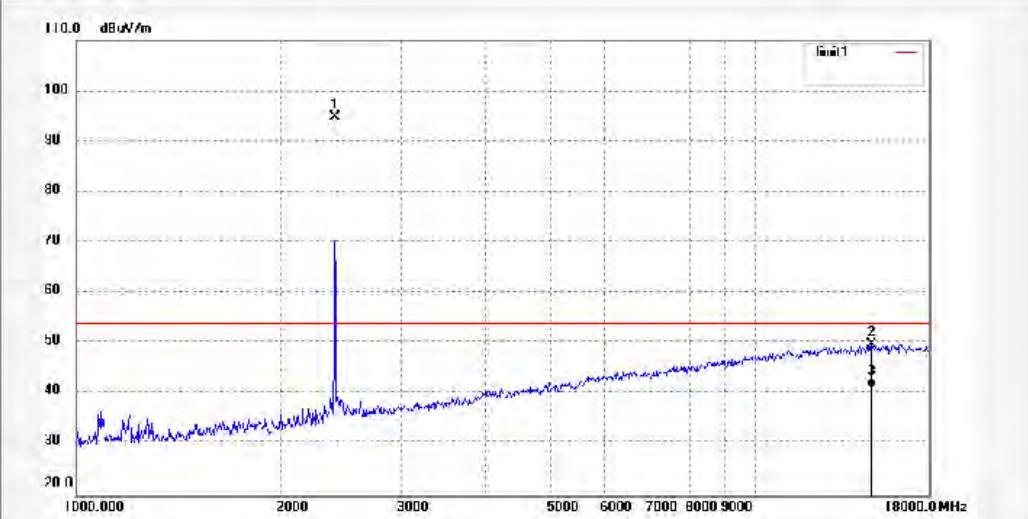
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Site: 2# Chamber

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Fax:+86-0755-26503396

| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2677 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2402.000 | 102.25 | -7.45 | 94.80 | / | / | peak | | | |
| 2 | 14788.154 | 8.09 | 41.74 | 49.83 | 74.00 | -24.17 | peak | | | |
| 3 | 14788.154 | -0.54 | 41.74 | 41.20 | 54.00 | -12.80 | AVG | | | |

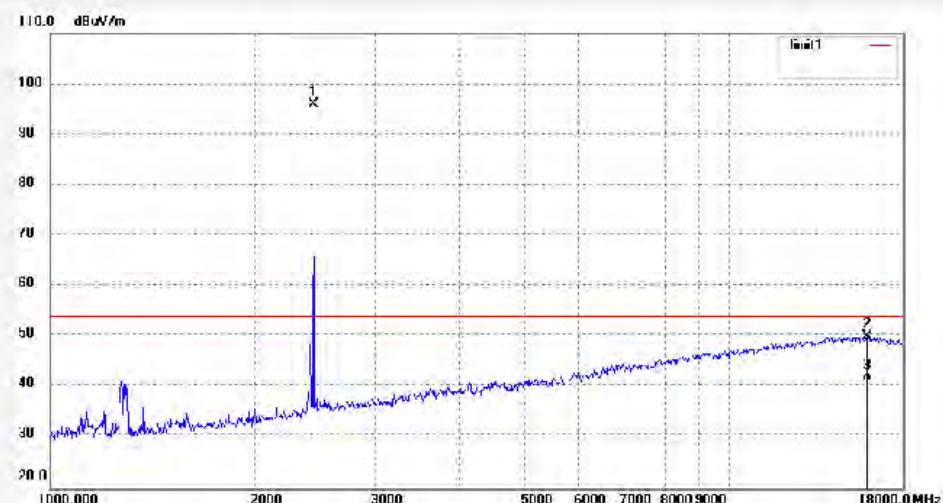


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| | | | |
|-------------------|-------------------------------------|---------------------|------------|
| Job No.: | Igwade #2680 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2441MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2441.000 | 103.27 | -7.35 | 95.92 | / | / | peak | | | |
| 2 | 15942.303 | 9.97 | 40.01 | 49.98 | 74.00 | -24.02 | peak | | | |
| 3 | 15942.303 | 1.05 | 40.01 | 41.06 | 54.00 | -12.94 | AVG | | | |



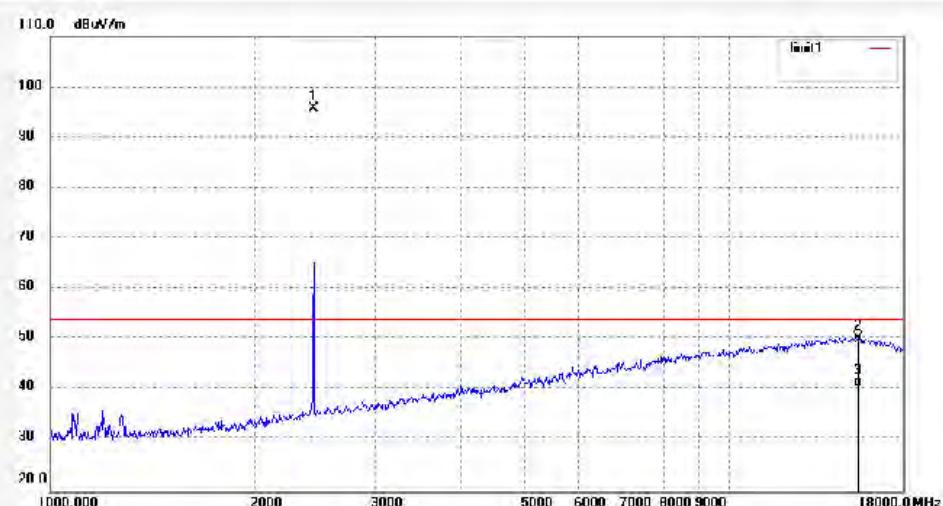
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Job No.: Igwade #2681
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2441MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Note: Bluetooth

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2441.000 | 103.16 | -7.35 | 95.81 | / | / | peak | | | |
| 2 | 15443.405 | 10.02 | 40.21 | 50.23 | 74.00 | -23.77 | peak | | | |
| 3 | 15443.405 | 0.35 | 40.21 | 40.56 | 54.00 | -13.44 | AVG | | | |



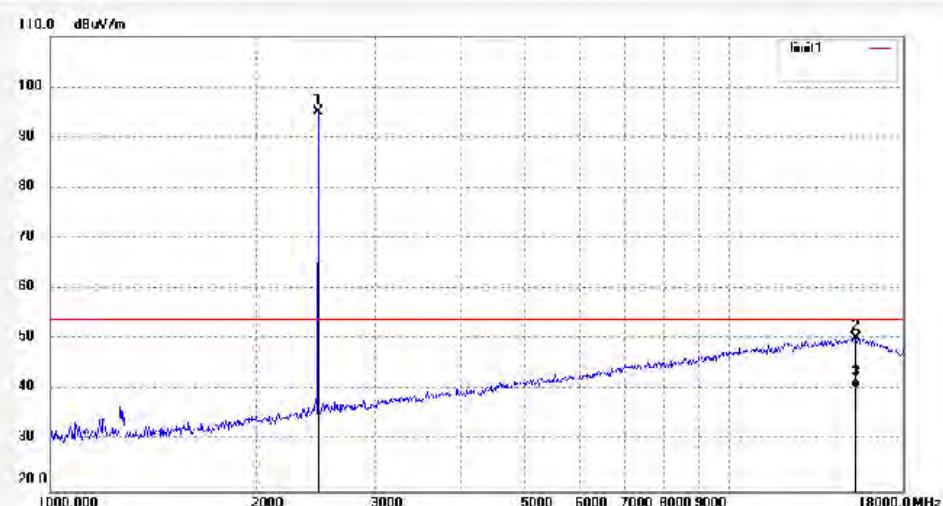
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Job No.: Igwade #2682
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Note: Bluetooth

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2480.000 | 102.31 | -7.37 | 94.94 | / | -7 | peak | | | |
| 2 | 15310.072 | 9.70 | 40.48 | 50.18 | 74.00 | -23.82 | peak | | | |
| 3 | 15310.072 | -0.13 | 40.48 | 40.35 | 54.00 | -13.65 | AVG | | | |

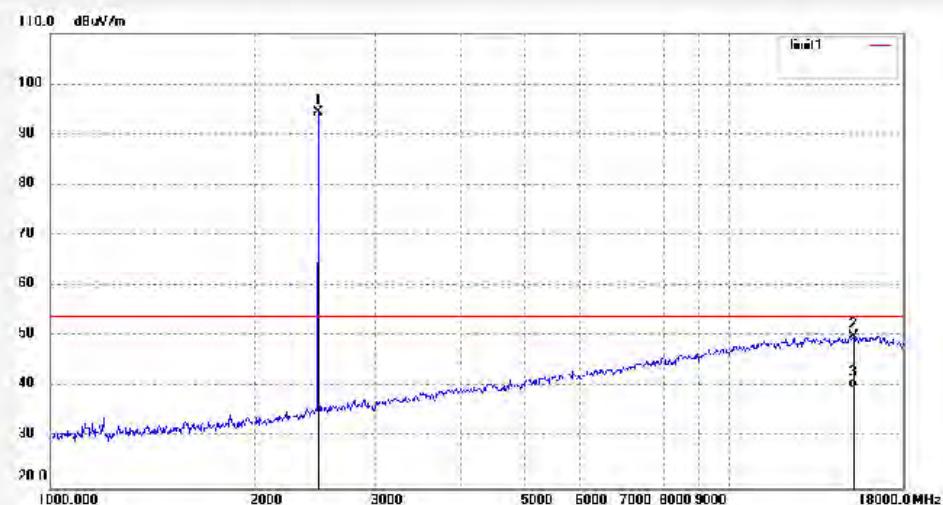


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| | | | |
|-------------------|-------------------------------------|---------------------|------------|
| Job No.: | Igwade #2683 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2480.000 | 101.84 | -7.37 | 94.47 | / | / | peak | | | |
| 2 | 15221.824 | 9.29 | 40.66 | 49.95 | 74.00 | -24.05 | peak | | | |
| 3 | 15221.824 | -1.08 | 40.66 | 39.58 | 54.00 | -14.42 | AVG | | | |

BDR mode, 18GHz - 26.5GHz



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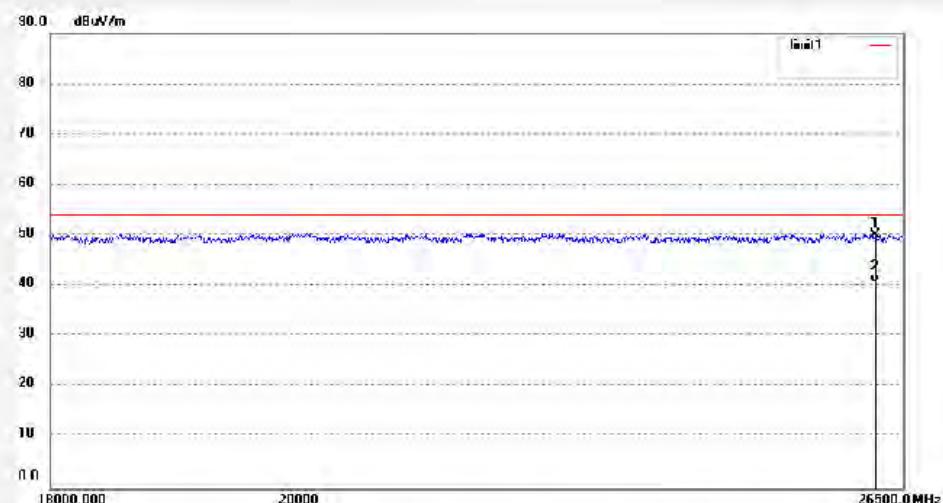
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Job No.: Igwade #2686
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2402MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 26163.916 | 32.93 | 17.12 | 50.05 | 74.00 | -23.95 | peak | | | |
| 2 | 26163.916 | 23.42 | 17.12 | 40.54 | 54.00 | -13.46 | Avg | | | |



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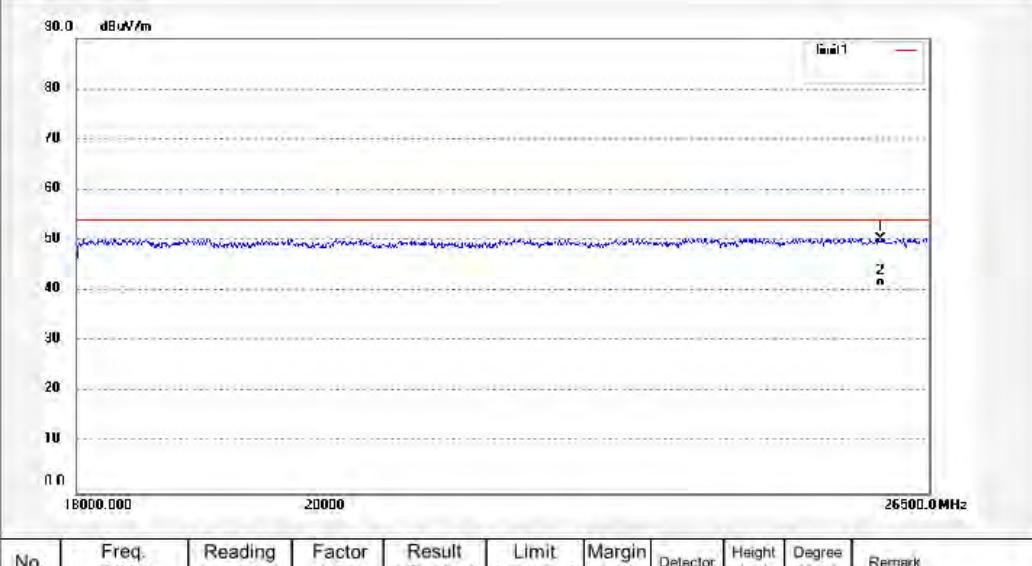
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| | | | |
|-------------------|-------------------------------------|---------------------|------------|
| Job No.: | Igwade #2687 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 25922.172 | 33.76 | 16.50 | 50.26 | 74.00 | -23.74 | peak | | | |
| 2 | 25922.172 | 24.34 | 16.50 | 40.84 | 54.00 | -13.16 | Avg | | | |

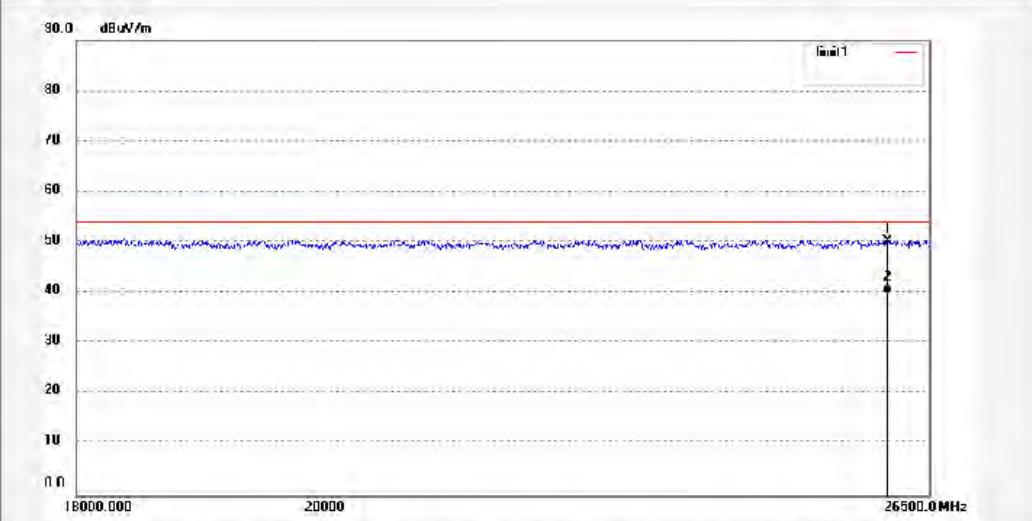


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| | | | |
|-------------------|-------------------------------------|---------------------|------------|
| Job No.: | Igware #2688 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2441MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 26002.504 | 33.87 | 16.50 | 50.37 | 74.00 | -23.63 | peak | | | |
| 2 | 26002.504 | 23.51 | 16.50 | 40.01 | 54.00 | -13.99 | Avg | | | |

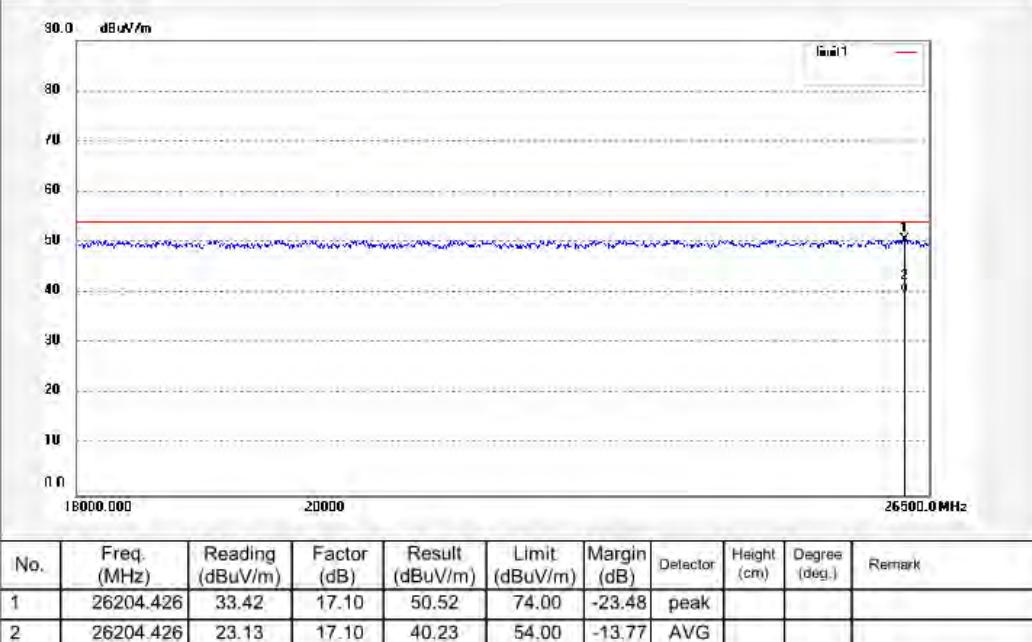


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igware #2689 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2441MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



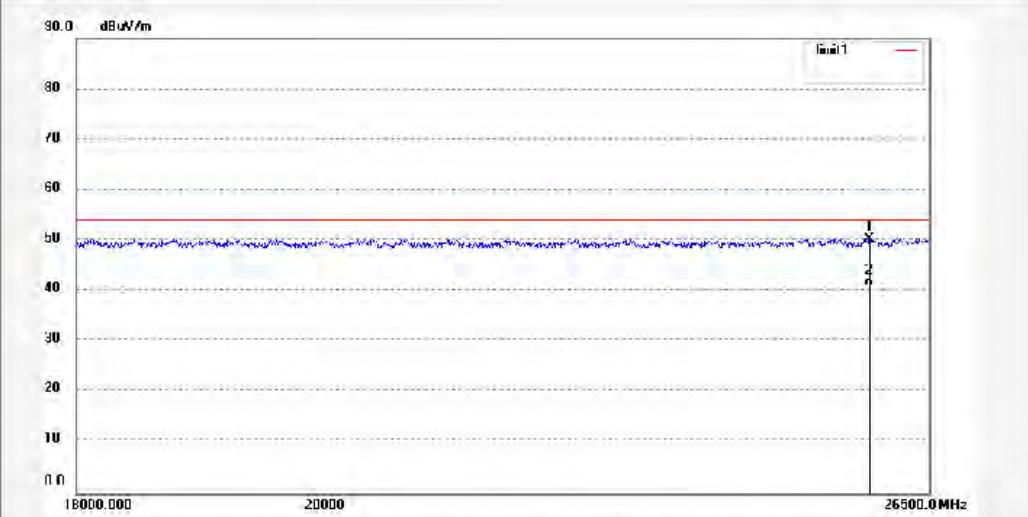


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2690 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 25792.161 | 32.86 | 17.37 | 50.23 | 74.00 | -23.77 | peak | | | |
| 2 | 25792.161 | 23.45 | 17.37 | 40.82 | 54.00 | -13.18 | Avg | | | |

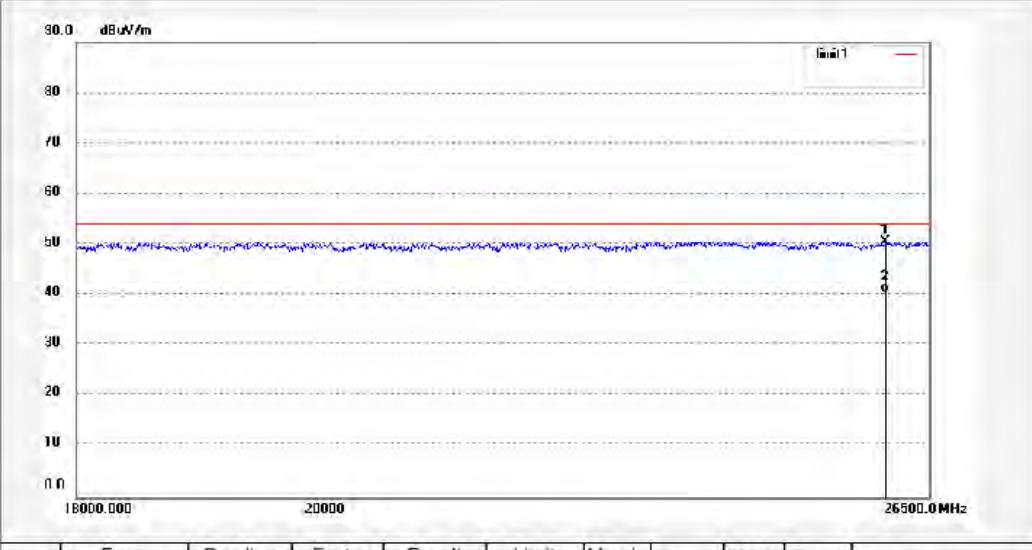


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| | | | |
|-------------------|-------------------------------------|---------------------|------------|
| Job No.: | Igwade #2691 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 25982.398 | 33.99 | 16.50 | 50.49 | 74.00 | -23.51 | peak | | | |
| 2 | 25982.398 | 23.81 | 16.50 | 40.31 | 54.00 | -13.69 | Avg | | | |

Low Energy mode, 9KHz - 30MHz

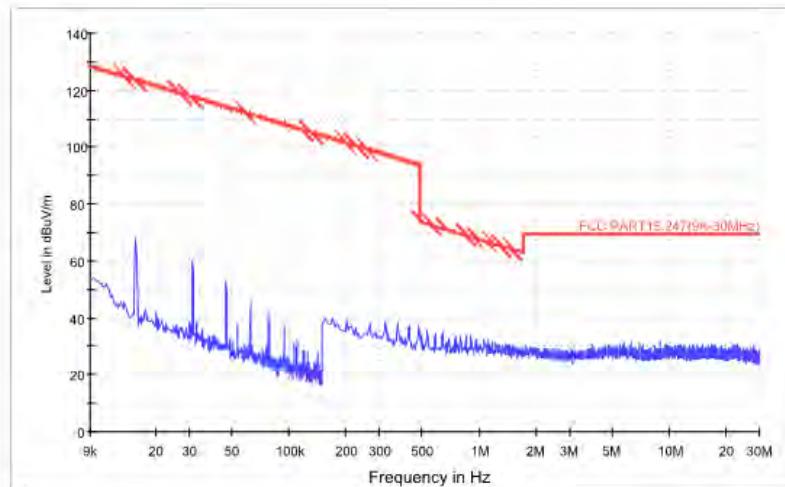
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RADIATED EMISSION

Common Information

Test Description: EMC32 Standard Report Setup
Operating Conditions:
Operator Name:

FCC PART15.247(9K-30MHz)



Protocol

Test Start: 2016-7-16 10:22:32
Test Stop: 2016-7-16 10:24:57

EUT Information

| | |
|-----------------------|--|
| EUT Name: | Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C |
| Manufacturer: | Anfair Electronics Plastic Factory |
| Operation Mode: | TX, 2402MHz |
| Operator | LGWADE |
| Power : | DC 3.7V |
| Antenna Polarization: | X |
| Comment: | |

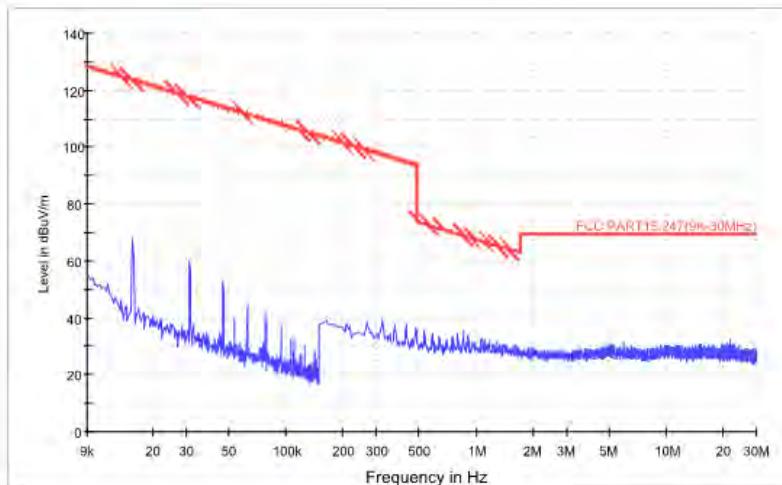
ACCURATE TECHNOLOGY CO.,LTD

RADIATED EMISSION

Common Information

Test Description: EMC32 Standard Report Setup
Operating Conditions:
Operator Name:

FCC PART15.247(9K-30MHz)



Protocol

Test Start: 2016-7-16 10:25:32
Test Stop: 2016-7-16 10:27:57

EUT Information

| | |
|-----------------------|--|
| EUT Name: | Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C |
| Manufacturer: | Anfair Electronics Plastic Factory |
| Operation Mode: | TX 2440MHz |
| Operator | LGWADE |
| Power : | DC 3.7V |
| Antenna Polarization: | Y |
| Comment: | |

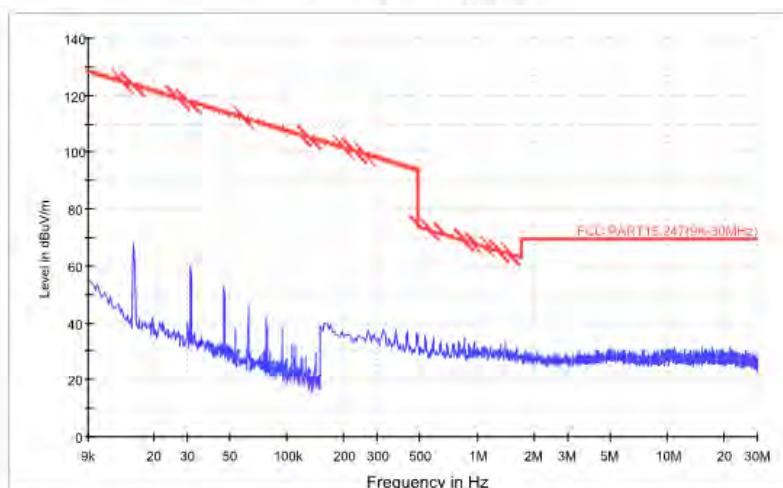
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RADIATED EMISSION

Common Information

Test Description: EMC32 Standard Report Setup
Operating Conditions:
Operator Name:

FCC PART15.247(9K-30MHz)



Protocol

Test Start: 2016-7-16 10:28:33
Test Stop: 2016-7-16 10:30:58

EUT Information

| | |
|-----------------------|--|
| EUT Name: | Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C |
| Manufacturer: | Anfair Electronics Plastic Factory |
| Operation Mode: | TX 2480MHz |
| Operator | LGWADE |
| Power : | DC 3.7V |
| Antenna Polarization: | Z |
| Comment: | |

Low Energy mode, 30MHz - 1GHz



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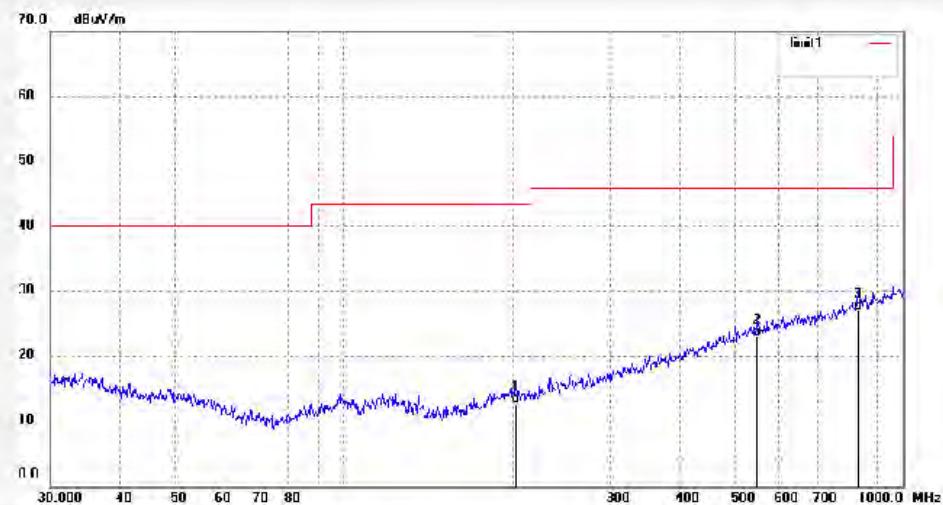
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Job No.: Igwade #2714
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2402MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 203.5227 | 25.07 | -12.34 | 12.73 | 43.50 | -30.77 | QP | | | |
| 2 | 549.0183 | 26.58 | -3.65 | 22.93 | 46.00 | -23.07 | QP | | | |
| 3 | 830.4002 | 26.56 | 0.54 | 27.10 | 46.00 | -18.90 | QP | | | |

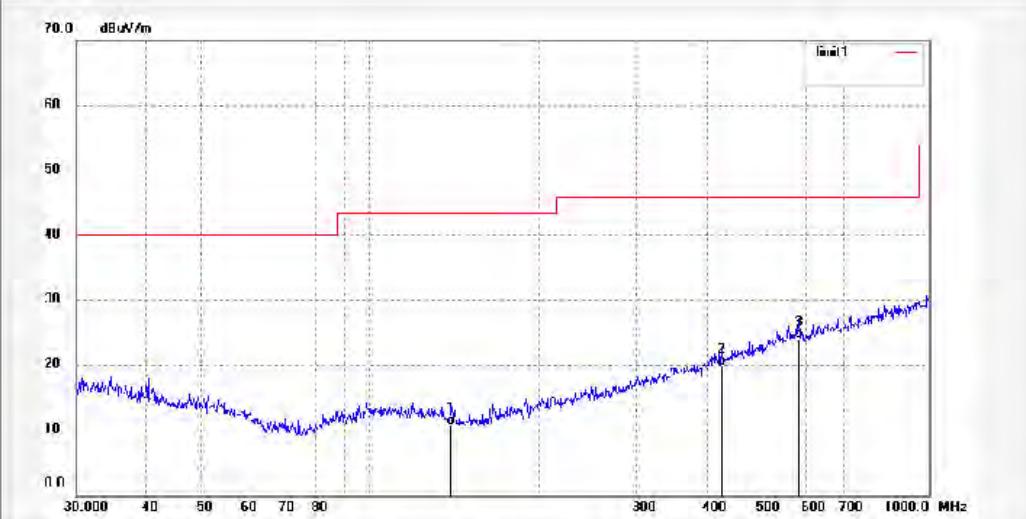


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2715 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 139.8506 | 25.91 | -15.20 | 10.71 | 43.50 | -32.79 | QP | | | |
| 2 | 425.0280 | 25.99 | -6.16 | 19.83 | 46.00 | -26.17 | QP | | | |
| 3 | 584.7894 | 27.09 | -3.09 | 24.00 | 46.00 | -22.00 | QP | | | |

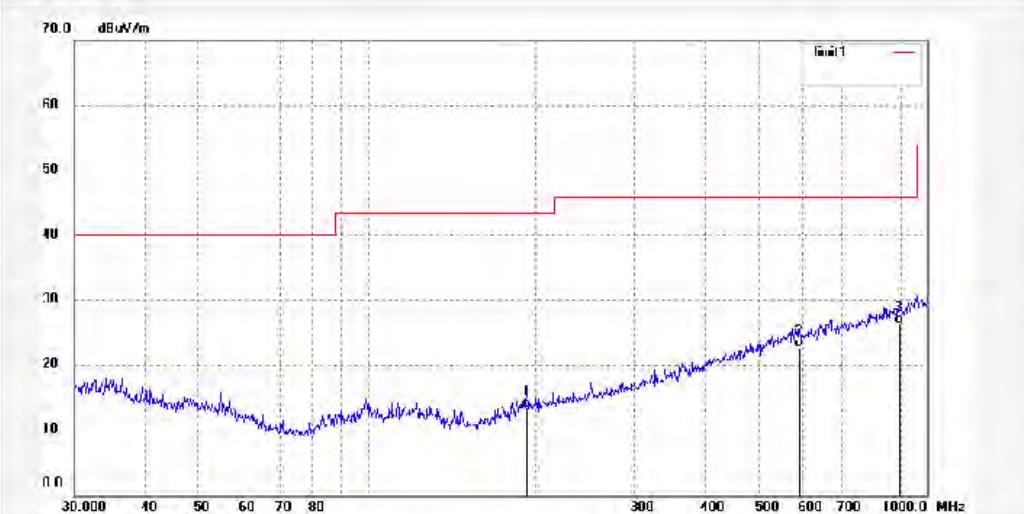


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2716 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2440MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 192.4183 | 25.88 | -12.56 | 13.32 | 43.50 | -30.18 | QP | | | |
| 2 | 590.9737 | 25.63 | -3.04 | 22.59 | 46.00 | -23.41 | QP | | | |
| 3 | 890.7278 | 25.15 | 1.27 | 26.42 | 46.00 | -19.58 | QP | | | |



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Job No.: Igwade #2717

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Bluetooth Receiver Kit

Mode: TX 2440MHz

Model: NS-MBTK35, NS-MBTK35-C

Manufacturer: Antfair Electronics Plastic Factory

Note: Bluetooth4.0

Polarization: Horizontal

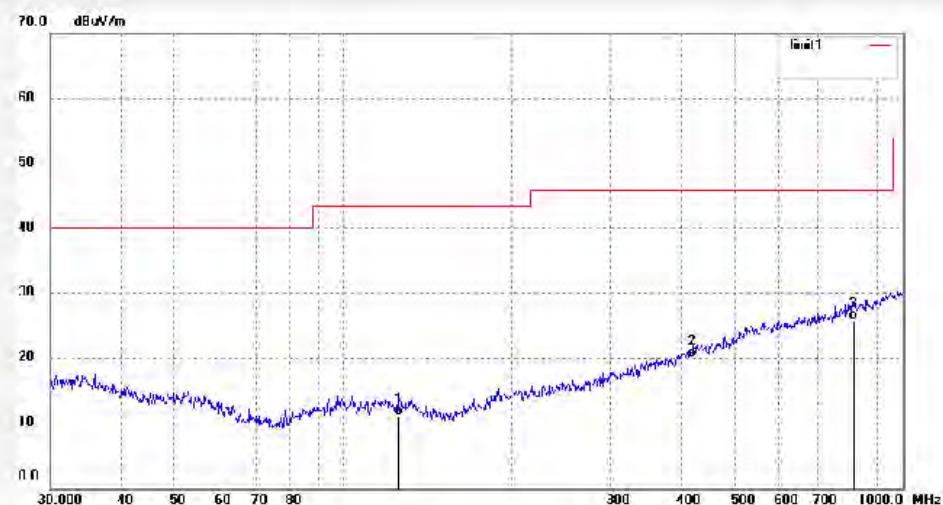
Power Source: DC 3.7V

Date: 16/07/16/

Time:

Engineer Signature: LGWADE

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 125.8863 | 24.94 | -13.76 | 11.18 | 43.50 | -32.32 | QP | | | |
| 2 | 420.5803 | 26.16 | -6.15 | 20.01 | 46.00 | -25.99 | QP | | | |
| 3 | 815.9678 | 25.54 | 0.27 | 25.81 | 46.00 | -20.19 | QP | | | |



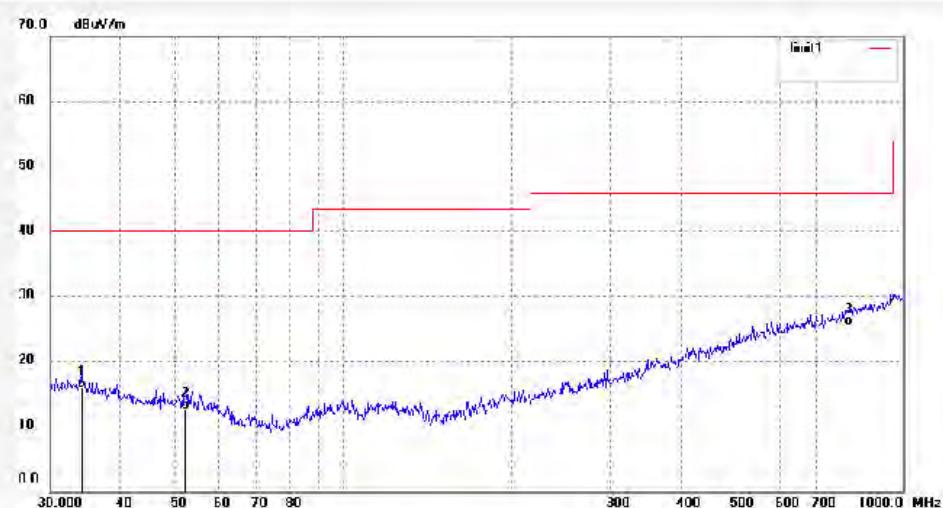
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Job No.: Igwade #2718
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Antfair Electronics Plastic Factory
Note: Bluetooth4.0

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 34.0363 | 26.21 | -10.32 | 15.89 | 40.00 | -24.11 | QP | | | |
| 2 | 52.2079 | 25.19 | -12.76 | 12.43 | 40.00 | -27.57 | QP | | | |
| 3 | 801.7862 | 25.46 | 0.07 | 25.53 | 46.00 | -20.47 | QP | | | |

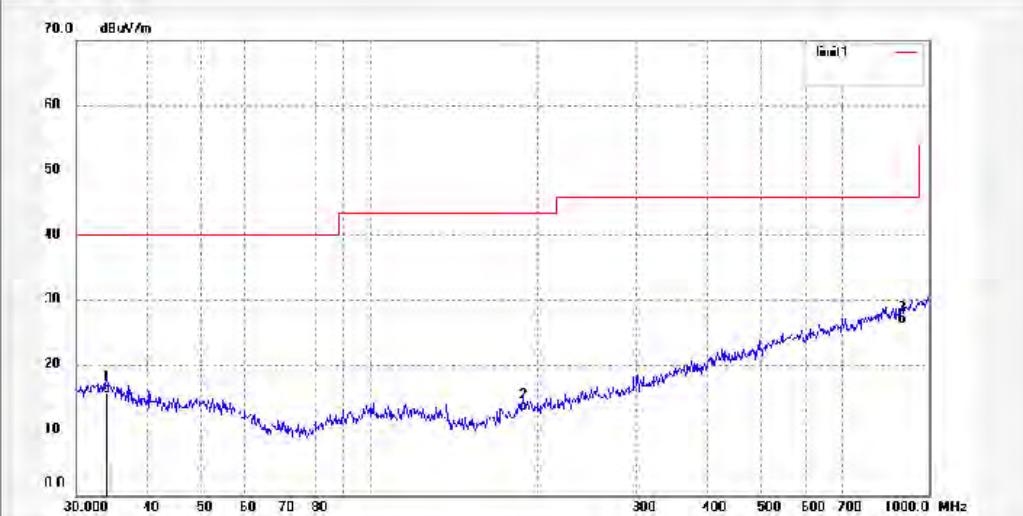


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2719 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 33.9174 | 25.68 | -10.10 | 15.58 | 40.00 | -24.42 | QP | | | |
| 2 | 188.4124 | 25.53 | -12.66 | 12.87 | 43.50 | -30.63 | QP | | | |
| 3 | 893.8567 | 25.07 | -1.26 | 26.33 | 46.00 | -19.67 | QP | | | |

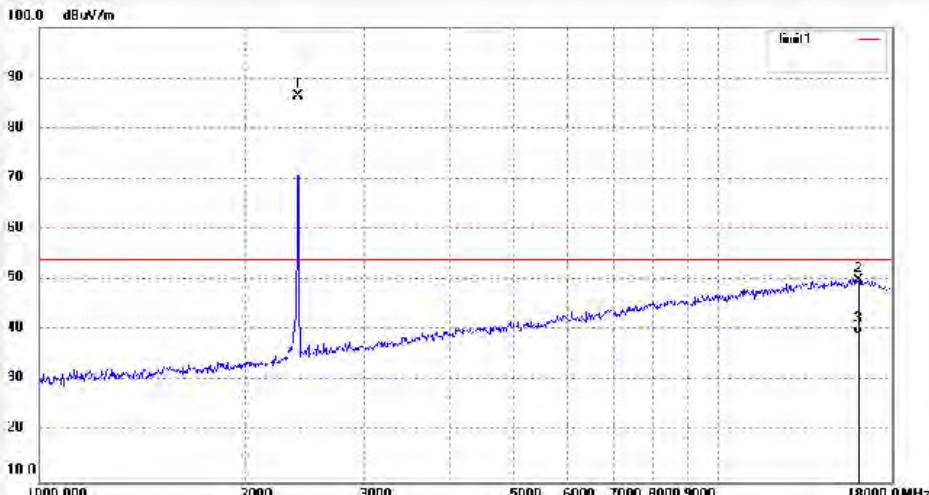
Low Energy mode, 1GHz - 18GHz



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| Job No.: | Igwade #2692 | Polarization: | Horizontal | | | | | | | |
|---|------------------------------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V | | | | | | | |
| Test Item: | Radiation Test | Date: | 16/07/16/ | | | | | | | |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | | | | | | | | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE | | | | | | | |
| Mode: | TX 2402MHz | Distance: | 3m | | | | | | | |
| Model: | NS-MBTK35, NS-MBTK35-C | | | | | | | | | |
| Manufacturer: | Anfair Electronics Plastic Factory | | | | | | | | | |
| Note: | Bluetooth 4.0 | | | | | | | | | |
|  | | | | | | | | | | |
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
| 1 | 2402.000 | 93.79 | -7.45 | 86.34 | / | / | peak | | | |
| 2 | 16081.142 | 9.82 | 40.05 | 49.87 | 74.00 | -24.13 | peak | | | |
| 3 | 16081.142 | -0.82 | 40.05 | 39.23 | 54.00 | -14.77 | AVG | | | |

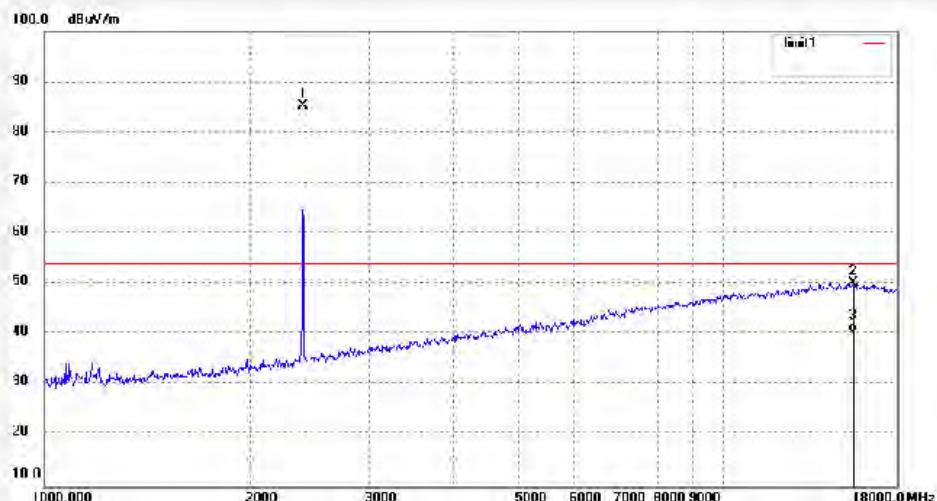


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2693 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth 4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2402.000 | 92.80 | -7.45 | 85.35 | / | -7.45 | peak | | | |
| 2 | 15532.938 | 10.12 | 40.09 | 50.21 | 74.00 | -23.79 | peak | | | |
| 3 | 15532.938 | 0.36 | 40.09 | 40.45 | 54.00 | -13.55 | AVG | | | |



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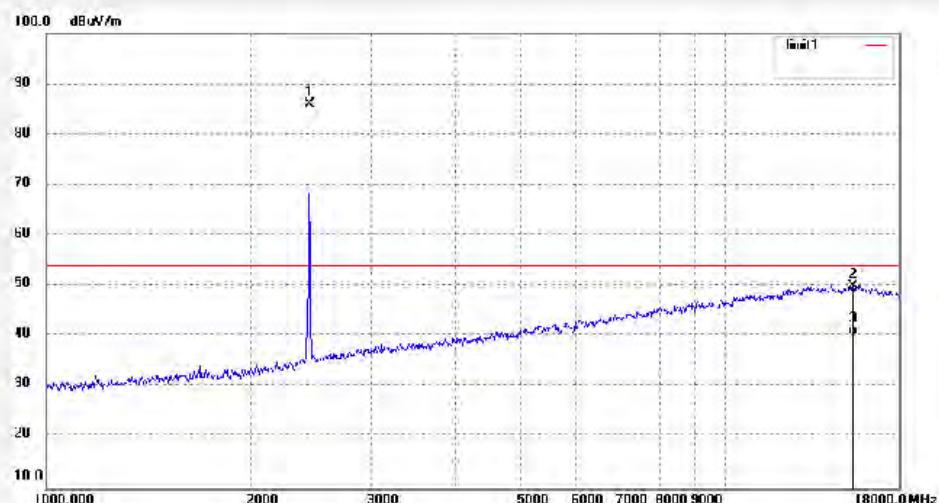
Site: 2# Chamber

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Job No.: Igwade #2696
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2440MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Antfair Electronics Plastic Factory
Note: Bluetooth 4.0

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2440.000 | 93.28 | -7.36 | 85.92 | / | -7 | peak | | | |
| 2 | 15398.832 | 9.73 | 40.30 | 50.03 | 74.00 | -23.97 | peak | | | |
| 3 | 15398.832 | -0.04 | 40.30 | 40.26 | 54.00 | -13.74 | AVG | | | |

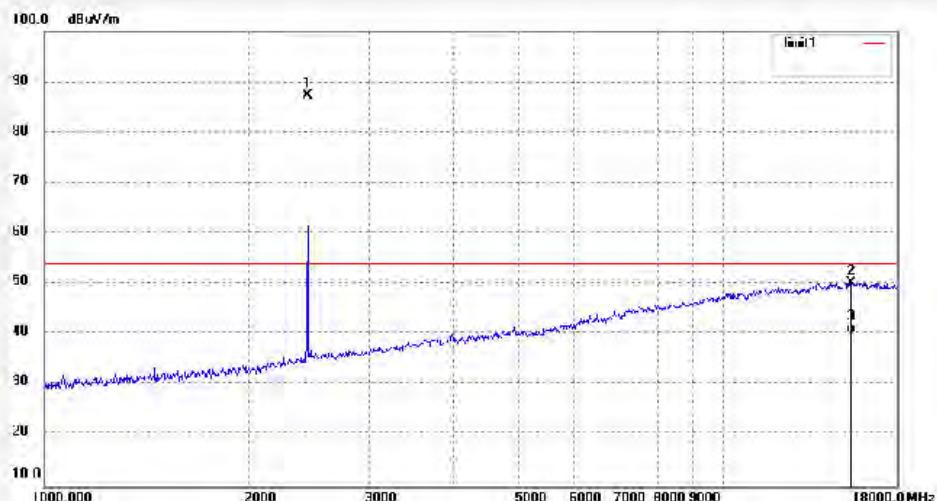


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2697 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2440MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth 4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2440.000 | 94.70 | -7.36 | 87.34 | / | -7 | peak | | | |
| 2 | 15398.832 | 9.92 | 40.30 | 50.22 | 74.00 | -23.78 | peak | | | |
| 3 | 15398.832 | 0.05 | 40.30 | 40.35 | 54.00 | -13.65 | AVG | | | |



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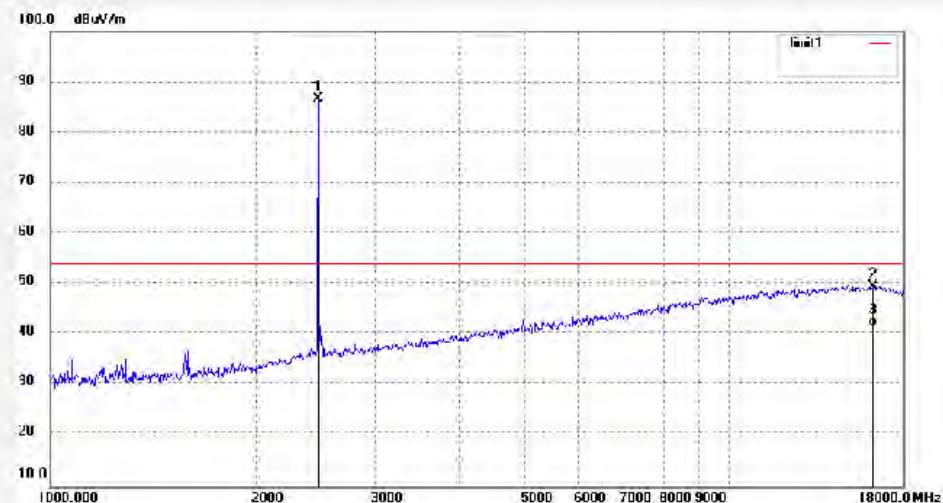
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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2698 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth 4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2480.000 | 94.03 | -7.37 | 86.66 | / | / | peak | | | |
| 2 | 16221.189 | 9.26 | 40.13 | 49.39 | 74.00 | -24.61 | peak | | | |
| 3 | 16221.189 | 1.45 | 40.13 | 41.58 | 54.00 | -12.42 | AVG | | | |



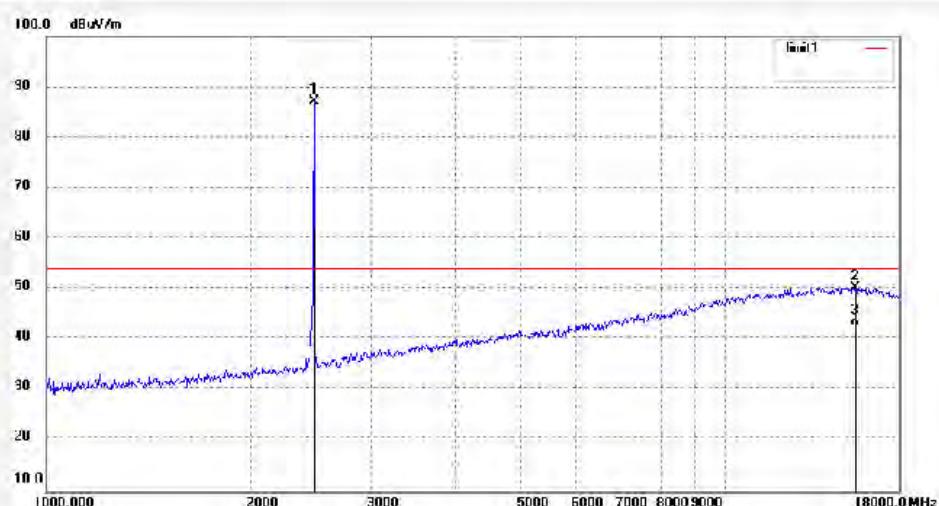
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Job No.: Igwade #2699
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Note: Bluetooth 4.0

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2480.000 | 94.47 | -7.37 | 87.10 | / | -7 | peak | | | |
| 2 | 15488.107 | 10.13 | 40.12 | 50.25 | 74.00 | -23.75 | peak | | | |
| 3 | 15488.107 | 2.46 | 40.12 | 42.58 | 54.00 | -11.42 | AVG | | | |

Low Energy mode, 18GHz - 26.5GHz



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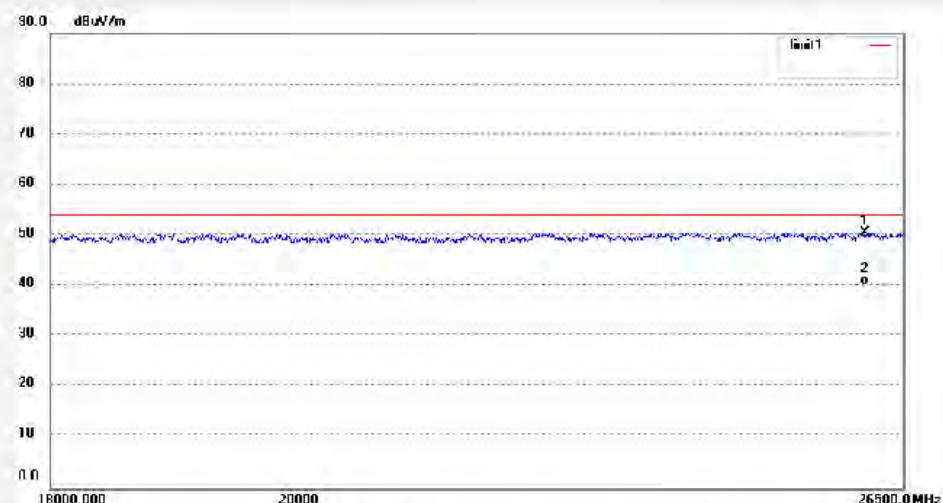
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Job No.: Igwade #2702
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2402MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 26042.764 | 34.07 | 16.50 | 50.57 | 74.00 | -23.43 | peak | | | |
| 2 | 26042.764 | 23.71 | 16.50 | 40.21 | 54.00 | -13.79 | Avg | | | |

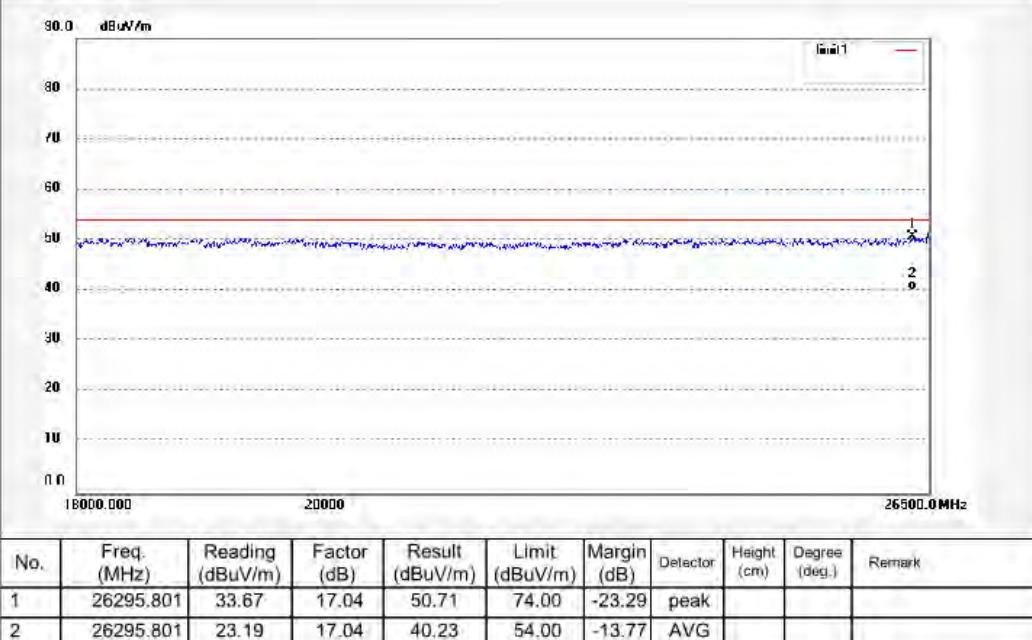


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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2703 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2402MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth 4.0 | | |





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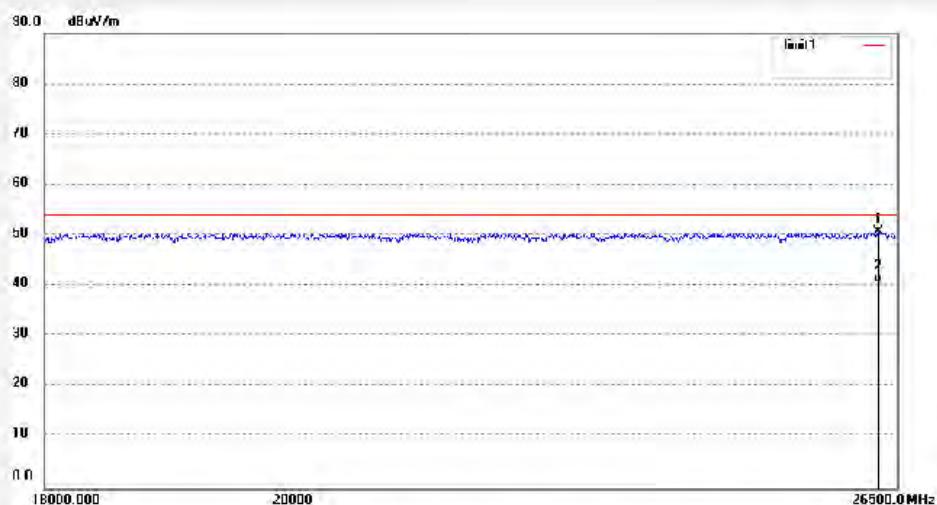
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Job No.: Igwade #2704
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2440MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 26275.468 | 33.67 | 17.05 | 50.72 | 74.00 | -23.28 | peak | | | |
| 2 | 26275.468 | 23.53 | 17.05 | 40.58 | 54.00 | -13.42 | Avg | | | |



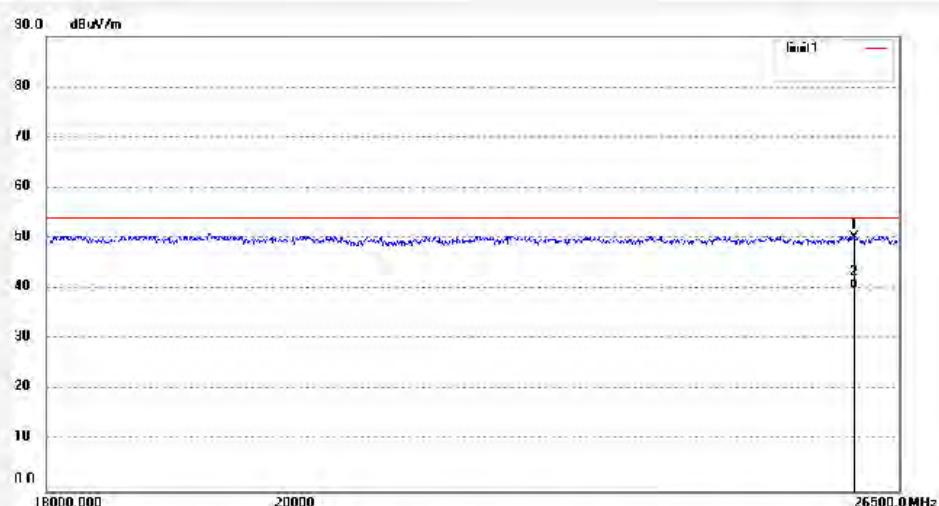
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Job No.: Igwade #2705
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2440MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Antfair Electronics Plastic Factory
Note: Bluetooth 4.0

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 25962.307 | 33.90 | 16.50 | 50.40 | 74.00 | -23.60 | peak | | | |
| 2 | 25962.307 | 23.77 | 16.50 | 40.27 | 54.00 | -13.73 | Avg | | | |



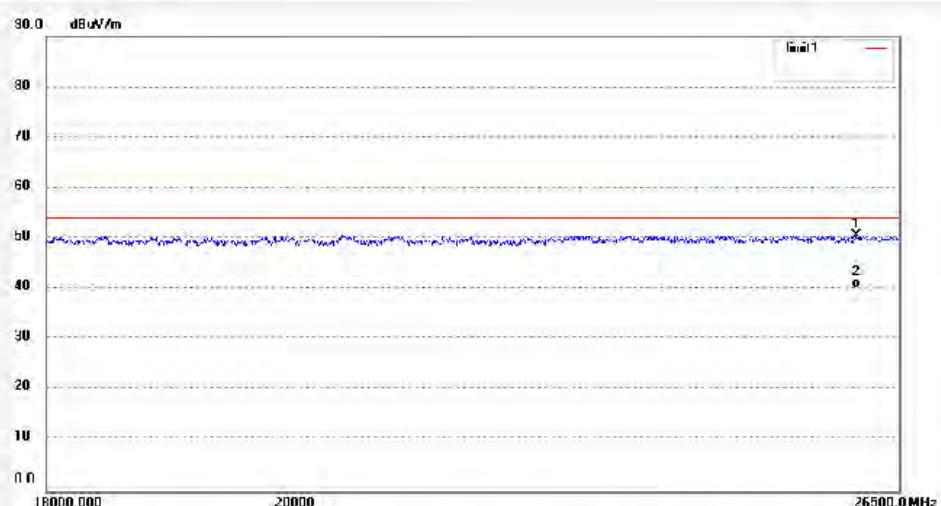
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Job No.: Igwade #2706
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Note: Bluetooth 4.0

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 25992.449 | 34.02 | 16.50 | 50.52 | 74.00 | -23.48 | peak | | | |
| 2 | 25992.449 | 23.61 | 16.50 | 40.11 | 54.00 | -13.89 | Avg | | | |

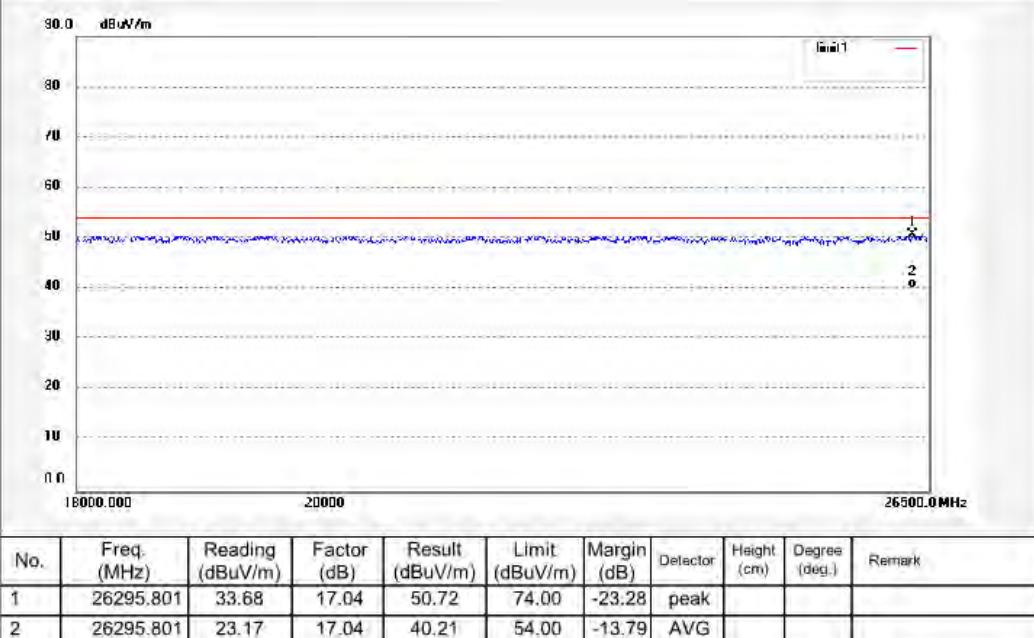


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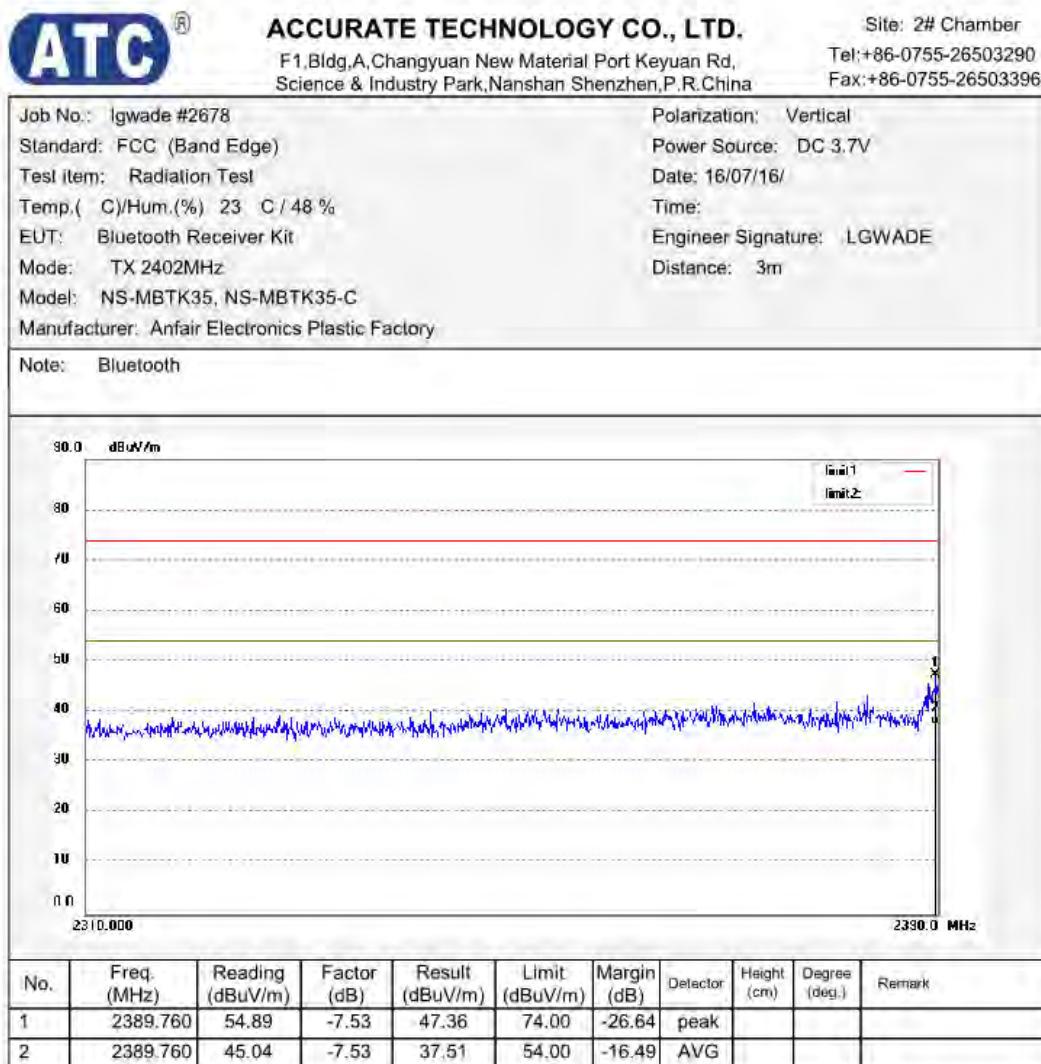
Site: 2# Chamber
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| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igware #2707 | Polarization: | Vertical |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth 4.0 | | |



Appendix B.2: Test Plots of Band Edge (Radiated)

BDR mode, Low Channel





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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2679

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/07/16/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Bluetooth Receiver Kit

Engineer Signature: LGWADE

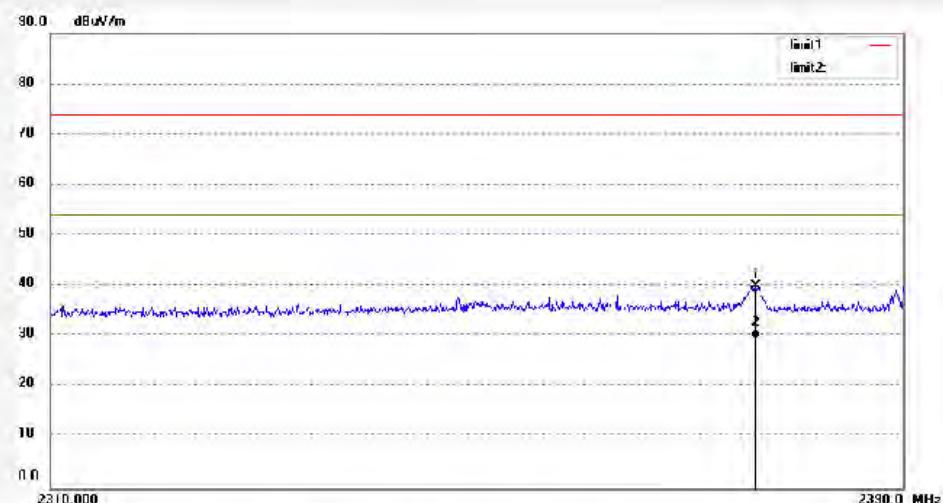
Mode: TX 2402MHz

Distance: 3m

Model: NS-MBTK35, NS-MBTK35-C

Manufacturer: Anfair Electronics Plastic Factory

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2376.000 | 47.51 | -7.62 | 39.89 | 74.00 | -34.11 | peak | | | |
| 2 | 2376.000 | 37.19 | -7.62 | 29.57 | 54.00 | -24.43 | Avg | | | |

BDR mode, High Channel



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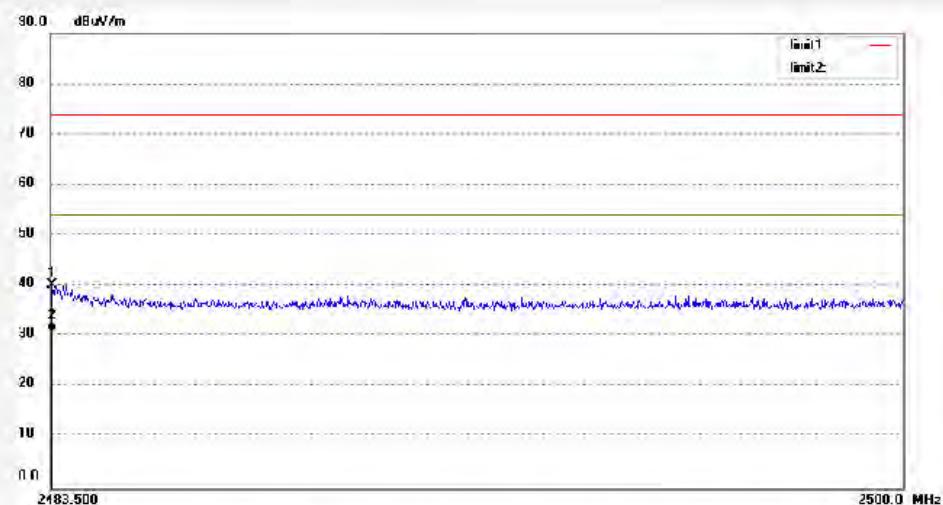
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2684
Standard: FCC (Band Edge)
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2483.533 | 47.59 | -7.37 | 40.22 | 74.00 | -33.78 | peak | | | |
| 2 | 2483.533 | 38.26 | -7.37 | 30.89 | 54.00 | -23.11 | Avg | | | |

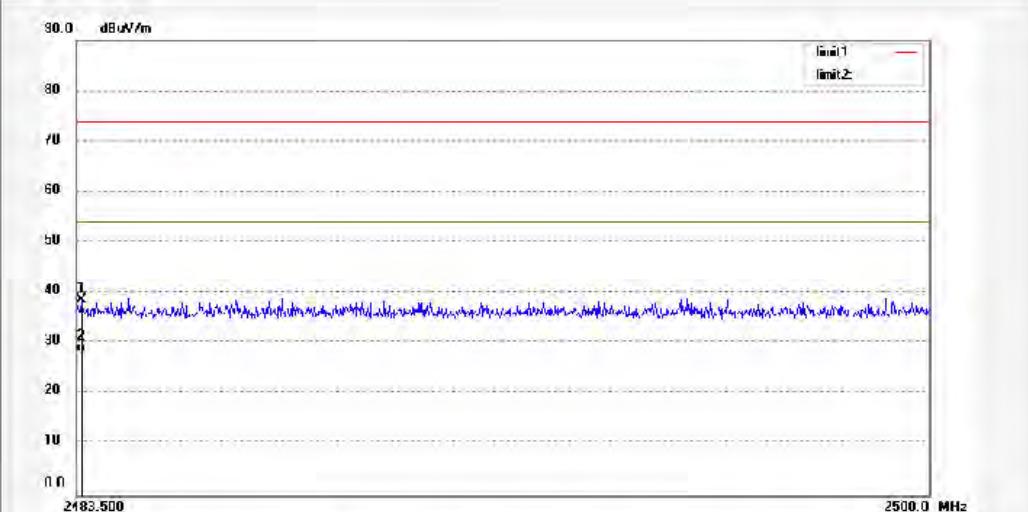


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2685 | Polarization: | Vertical |
| Standard: | FCC (Band Edge) | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2483.599 | 45.86 | -7.37 | 38.49 | 74.00 | -35.51 | peak | | | |
| 2 | 2483.599 | 35.70 | -7.37 | 28.33 | 54.00 | -25.67 | Avg | | | |

Low Energy mode, Low Channel



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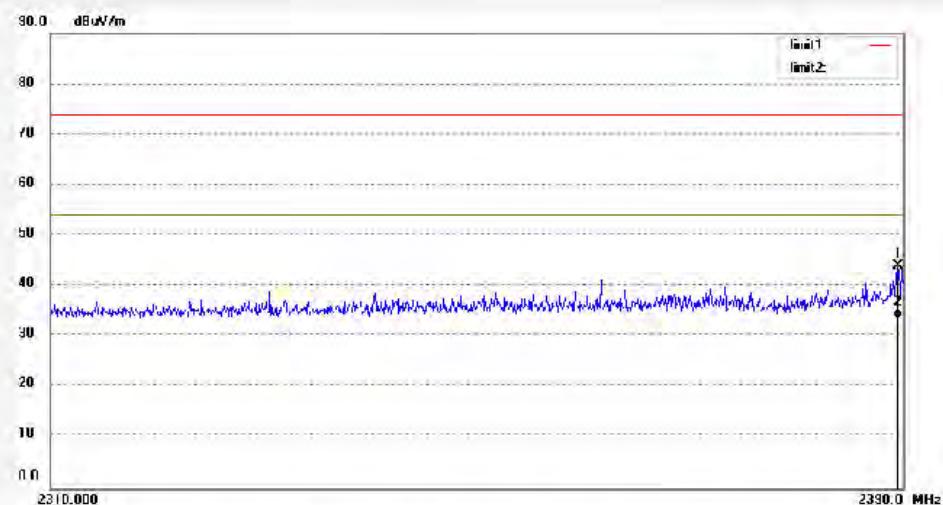
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2694
Standard: FCC (Band Edge)
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2402MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2389.520 | 51.49 | -7.53 | 43.96 | 74.00 | -30.04 | peak | | | |
| 2 | 2389.520 | 41.07 | -7.53 | 33.54 | 54.00 | -20.46 | Avg | | | |



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2695

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/07/16/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Bluetooth Receiver Kit

Engineer Signature: LGWADE

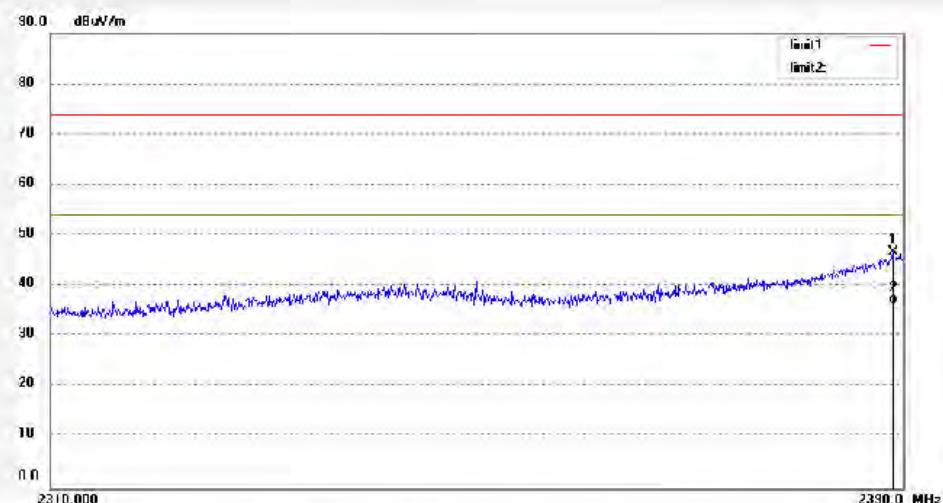
Mode: TX 2402MHz

Distance: 3m

Model: NS-MBTK35, NS-MBTK35-C

Manufacturer: Antfair Electronics Plastic Factory

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2389.040 | 54.18 | -7.53 | 46.65 | 74.00 | -27.35 | peak | | | |
| 2 | 2389.040 | 43.94 | -7.53 | 36.41 | 54.00 | -17.59 | Avg | | | |

Low Energy mode, High Channel



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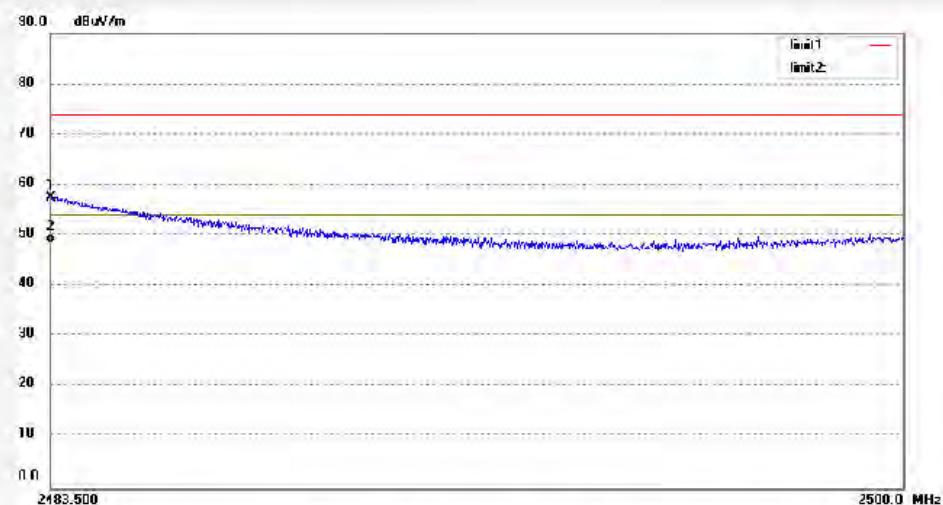
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2700
Standard: FCC (Band Edge)
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: TX 2480MHz
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/07/16/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2483.500 | 64.78 | -7.37 | 57.41 | 74.00 | -16.59 | peak | | | |
| 2 | 2483.500 | 55.90 | -7.37 | 48.53 | 54.00 | -5.47 | Avg | | | |

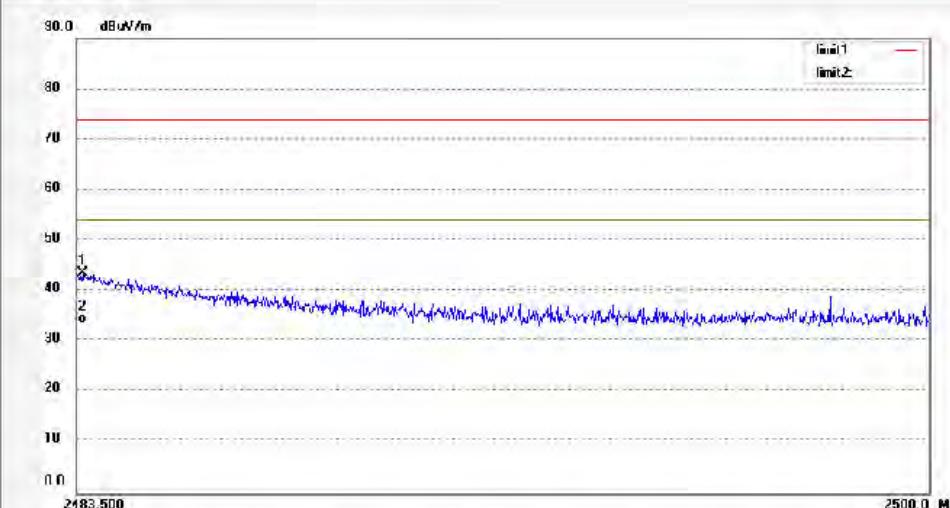


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | | | |
|-------------------|-------------------------------------|---------------------|-----------|
| Job No.: | Igwade #2701 | Polarization: | Vertical |
| Standard: | FCC (Band Edge) | Power Source: | DC 3.7V |
| Test Item: | Radiation Test | Date: | 16/07/16/ |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | TX 2480MHz | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Antfair Electronics Plastic Factory | | |
| Note: | Bluetooth 4.0 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 2483.615 | 50.94 | -7.37 | 43.57 | 74.00 | -30.43 | peak | | | |
| 2 | 2483.615 | 40.95 | -7.37 | 33.58 | 54.00 | -20.42 | Avg | | | |

Appendix B.3: Test Plots of Conducted Emission

C Mode

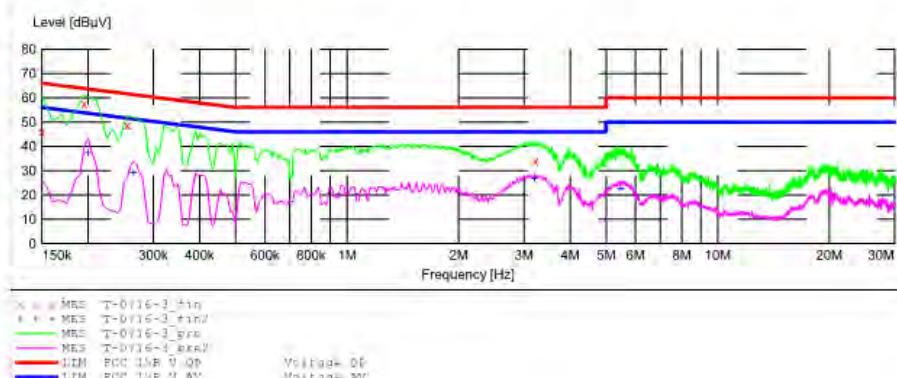
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Operating Condition: TX
Test Site: 1#Shielding Room
Operator: LGWADB
Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 7/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. | IF | Transducer |
|-----------------|----------------|------------|-----------|-------|--------|---------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | NSLK8126 2008 |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | Average | | | |
| | | | QuasiPeak | 1.0 s | 9 kHz | NSLK8126 2008 |
| | | | Average | | | |



MEASUREMENT RESULT: "T-0716-3_fin"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|-------------------|--------|-------------------|--------|----------|------|-----|
| | MHz | dB _μ V | dB | dB _μ V | dB | | | |
| | 0.150000 | 46.00 | 10.5 | 66 | 20.0 | QP | N | GND |
| | 0.195000 | 57.50 | 10.5 | 64 | 6.3 | QP | N | GND |
| | 0.255000 | 48.70 | 10.6 | 62 | 12.9 | QP | N | GND |
| | 3.220000 | 33.90 | 11.1 | 56 | 22.1 | QP | N | GND |

MEASUREMENT RESULT: "T-0716-3_fin2"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|-------------------|--------|-------------------|--------|----------|------|-----|
| | MHz | dB _μ V | dB | dB _μ V | dB | | | |
| | 0.200000 | 37.20 | 10.5 | 54 | 16.4 | AV | N | GND |
| | 0.265000 | 29.10 | 10.6 | 51 | 22.2 | AV | N | GND |
| | 3.200000 | 26.60 | 11.1 | 46 | 19.4 | AV | N | GND |
| | 5.470000 | 22.60 | 11.2 | 50 | 27.4 | AV | N | GND |

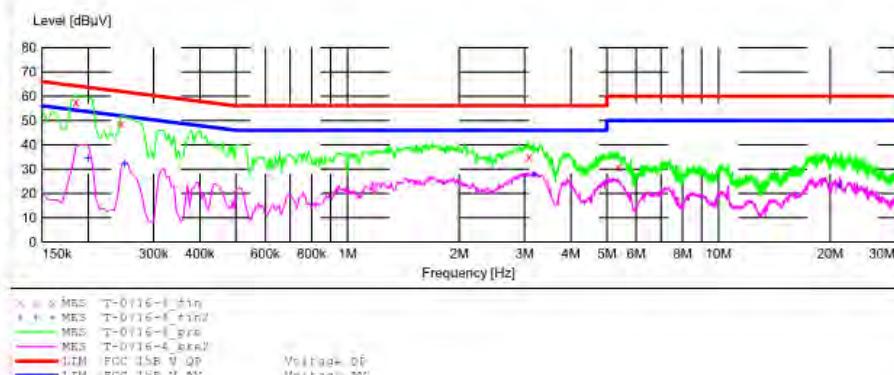
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth Receiver Kit M/N: NS-MBTKE5, NS-MBTKE5-C
Manufacturer: Anfair Electronics Plastic Factory
Operating Condition: TX
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 7/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

| Start | Stop | Step | Detector | Meas. | IF | Transducer |
|-----------|-----------|----------|-----------|-------|--------|---------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | NSLK8126 2008 |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | Average | | 9 kHz | NSLK8126 2008 |
| | | | Average | | | |



MEASUREMENT RESULT: "T-0716-4_fin"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|------------|--------|------------|--------|----------|------|-----|
| | MHz | dB μ V | dB | dB μ V | dB | | | |
| | 0.165000 | 57.60 | 10.5 | 64 | 6.7 | QP | L1 | GND |
| | 0.245000 | 48.70 | 10.6 | 62 | 13.2 | QP | L1 | GND |
| | 3.080000 | 35.10 | 11.1 | 56 | 20.9 | QP | L1 | GND |
| | 5.370000 | 30.80 | 11.2 | 60 | 29.2 | QP | L1 | GND |

MEASUREMENT RESULT: "T-0716-4_fin2"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|------------|--------|------------|--------|----------|------|-----|
| | MHz | dB μ V | dB | dB μ V | dB | | | |
| | 0.200000 | 34.50 | 10.5 | 54 | 19.1 | AV | L1 | GND |
| | 0.250000 | 32.20 | 10.6 | 52 | 19.6 | AV | L1 | GND |
| | 3.180000 | 27.60 | 11.1 | 46 | 18.4 | AV | L1 | GND |
| | 21.190000 | 23.10 | 11.4 | 50 | 26.9 | AV | L1 | GND |

D Mode

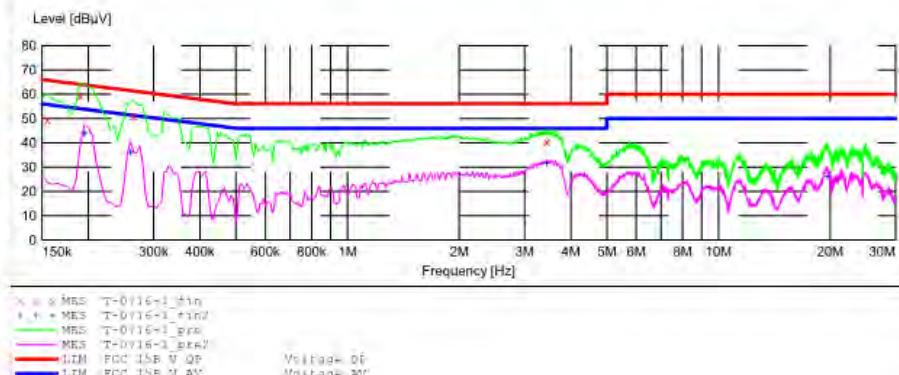
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth Receiver Kit M/N: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory
Operating Condition: Charging
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 7/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------------|----------------|------------|-----------|-----------------|-----------|---------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | NSLK8126 2008 |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | Average | QuasiPeak 1.0 s | 9 kHz | NSLK8126 2008 |
| | | | Average | | | |



MEASUREMENT RESULT: "T-0716-1_fin"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|------------|--------|------------|--------|----------|------|-----|
| | MHz | dB μ V | dB | dB μ V | dB | | | |
| | 0.155000 | 49.50 | 10.5 | 66 | 16.2 | QP | L1 | GND |
| | 0.190000 | 59.60 | 10.5 | 64 | 4.4 | QP | L1 | GND |
| | 0.265000 | 51.20 | 10.6 | 61 | 10.1 | QP | L1 | GND |
| | 3.440000 | 40.40 | 11.1 | 56 | 15.6 | QP | L1 | GND |

MEASUREMENT RESULT: "T-0716-1_fin2"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|------------|--------|------------|--------|----------|------|-----|
| | MHz | dB μ V | dB | dB μ V | dB | | | |
| | 0.195000 | 43.90 | 10.5 | 54 | 9.9 | AV | L1 | GND |
| | 0.260000 | 36.00 | 10.6 | 51 | 15.4 | AV | L1 | GND |
| | 3.440000 | 31.40 | 11.1 | 46 | 14.6 | AV | L1 | GND |
| | 19.660000 | 26.20 | 11.4 | 50 | 23.8 | AV | L1 | GND |

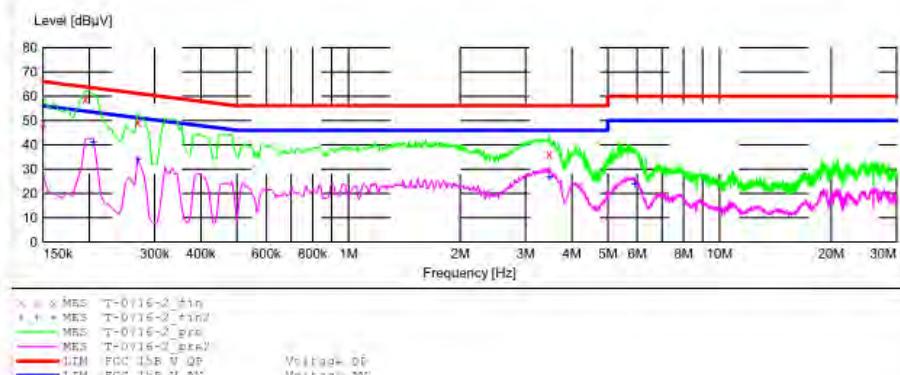
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth Receiver Kit M/N: NS-MBTKE5, NS-MBTKE5-C
Manufacturer: Anfair Electronics Plastic Factory
Operating Condition: Charging
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 7/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

| Start | Stop | Step | Detector | Meas. | IF | Transducer |
|-----------|-----------|----------|-----------|-------|--------|---------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | NSLK8126 2008 |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | Average | | 9 kHz | NSLK8126 2008 |
| | | | Average | | | |



MEASUREMENT RESULT: "T-0716-2_fin"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|------------|--------|------------|--------|----------|------|-----|
| | MHz | dB μ V | dB | dB μ V | dB | | | |
| | 0.150000 | 49.30 | 10.5 | 66 | 16.7 | QP | N | GND |
| | 0.195000 | 58.70 | 10.5 | 64 | 5.1 | QP | N | GND |
| | 0.270000 | 49.30 | 10.6 | 61 | 11.8 | QP | N | GND |
| | 3.470000 | 36.20 | 11.1 | 56 | 19.8 | QP | N | GND |

MEASUREMENT RESULT: "T-0716-2_fin2"

| 7/16/2016 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|-----------|------------|--------|------------|--------|----------|------|-----|
| | MHz | dB μ V | dB | dB μ V | dB | | | |
| | 0.205000 | 41.10 | 10.5 | 53 | 12.3 | AV | N | GND |
| | 0.270000 | 34.10 | 10.6 | 51 | 17.0 | AV | N | GND |
| | 3.480000 | 26.60 | 11.1 | 46 | 19.4 | AV | N | GND |
| | 5.900000 | 23.80 | 11.2 | 50 | 26.2 | AV | N | GND |

Appendix B.4: Test Plots of Radiated Emission

D Mode

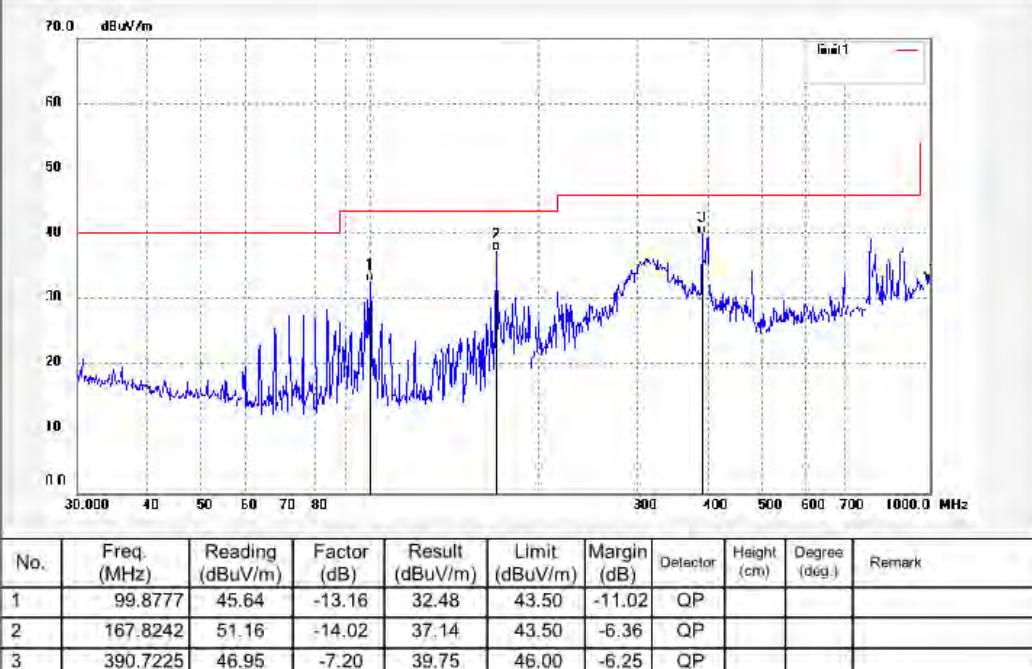


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | |
|--|----------------------------|
| Job No.: Igwade #2720 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 5V |
| Test item: Radiation Test | Date: 2016/07/16 |
| Temp. (C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Bluetooth Receiver Kit | Engineer Signature: LGWADE |
| Mode: Charging | Distance: 3m |
| Model: NS-MBTK35, NS-MBTK35-C | |
| Manufacturer: Anfair Electronics Plastic Factory | |
| Note: | |





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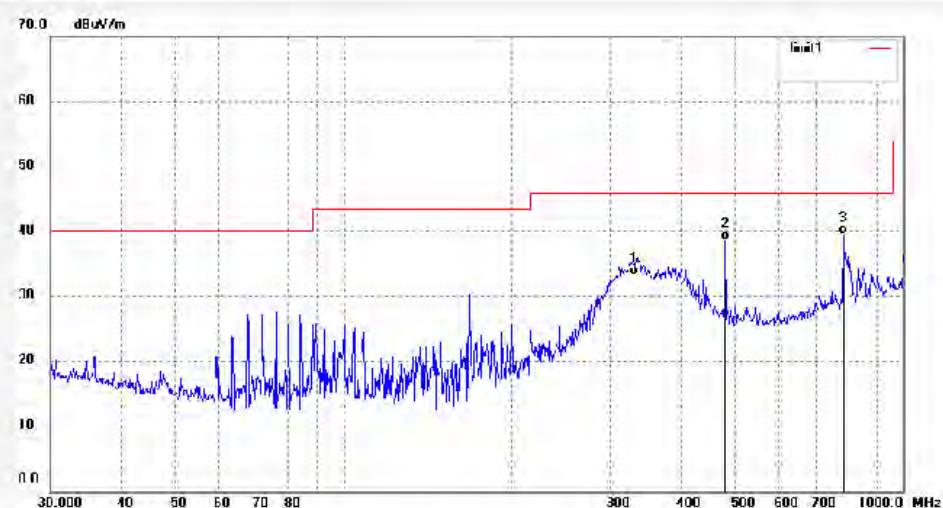
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2721
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: Charging
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Vertical
Power Source: DC 5V
Date: 2016/07/16
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 331.3546 | 41.52 | -8.32 | 33.20 | 46.00 | -12.80 | QP | | | |
| 2 | 480.5276 | 43.97 | -5.34 | 38.63 | 46.00 | -7.37 | QP | | | |
| 3 | 782.3452 | 39.91 | -0.37 | 39.54 | 46.00 | -6.46 | QP | | | |



ACCURATE TECHNOLOGY CO., LTD.

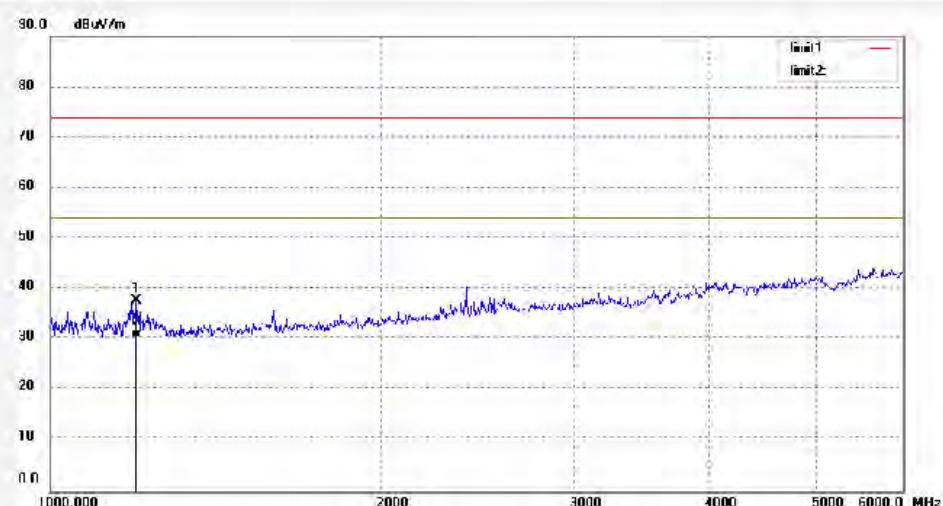
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #2722
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Receiver Kit
Mode: Charging
Model: NS-MBTK35, NS-MBTK35-C
Manufacturer: Anfair Electronics Plastic Factory

Polarization: Vertical
Power Source: DC 5V
Date: 2016/07/16
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1198.377 | 50.14 | -12.49 | 37.65 | 74.00 | -36.35 | peak | | | |
| 2 | 1198.377 | 42.65 | -12.49 | 30.16 | 54.00 | -23.84 | Avg | | | |



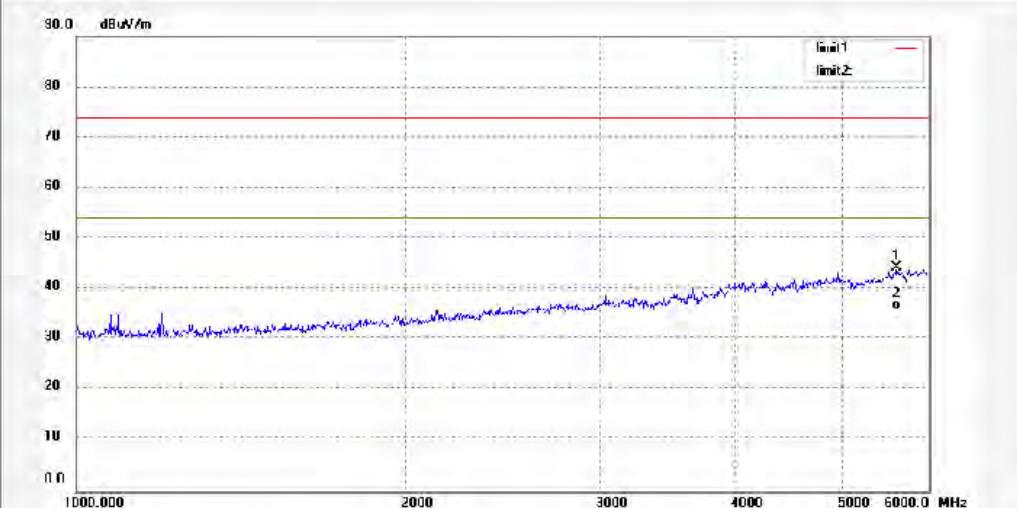
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

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|-------------------|------------------------------------|---------------------|------------|
| Job No.: | Igwade #2723 | Polarization: | Horizontal |
| Standard: | FCC Class B 3M Radiated | Power Source: | DC 5V |
| Test Item: | Radiation Test | Date: | 2016/07/16 |
| Temp.(C)/Hum.(%) | 23 C / 48 % | Time: | |
| EUT: | Bluetooth Receiver Kit | Engineer Signature: | LGWADE |
| Mode: | Charging | Distance: | 3m |
| Model: | NS-MBTK35, NS-MBTK35-C | | |
| Manufacturer: | Anfair Electronics Plastic Factory | | |

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| Note: |
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| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 5605.076 | 42.81 | 1.44 | 44.25 | 74.00 | -29.75 | peak | | | |
| 2 | 5605.076 | 34.56 | 1.44 | 36.00 | 54.00 | -18.00 | Avg | | | |