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|---|---|--|--|--|
| Prüfbericht-Nr.: <i>Test Report No.:</i> | 17044019 001 | Auftrags-Nr.: <i>Order No.:</i> | 164022420 | Seite 1 von 96 <i>Page 1 of 96</i> |
| Kunden-Referenz-Nr.: <i>Client Reference No.:</i> | N/A | Auftragsdatum: <i>Order date:</i> | 28.09.2014 | |
| Auftraggeber: <i>Client:</i> | Compupal Group Corporation No.1555 Jiashan Avenue, Jiashan, Zhejiang 314113, China | | | |
| Prüfgegenstand: <i>Test item:</i> | BLUETOOTH SPEAKER | | | |
| Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i> | MG-BTS01, MG-BTS01-BK, MG-BTS01-W, MG-BTS01-BU | | | |
| Auftrags-Inhalt: <i>Order content:</i> | FCC Certification | | | |
| 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 | | | |
| Wareneingangsdatum: <i>Date of receipt:</i> | 14.10.2014 | | | |
| Prüfmuster-Nr.: <i>Test sample No.:</i> | A000111095-004, A000111095-005 | | | |
| Prüfzeitraum: <i>Testing period:</i> | 16.10.2014 - 22.10.2014 | | | |
| 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: | | |
| 10.12.2014 | Owen Tian/Project Manager | 10.12.2014 | Sam Lin/Technical Certifier | |
| Datum <i>Date</i> | Name / Stellung <i>Name / Position</i> | Unterschrift <i>Signature</i> | Datum <i>Date</i> | Name / Stellung <i>Name / Position</i> |
| | | | | Unterschrift <i>Signature</i> |
| Sonstiges / Other: | | | | |
| 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 P(ass) = entspricht o.g. Prüfgrundlage(n) | 2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 3 = befriedigend 4 = ausreichend N/A = nicht anwendbar | 5 = mangelhaft N/T = nicht getestet |
| Legend: | 1 = very good P(ass) = passed a.m. test specification(s) | 2 = good F(ail) = failed a.m. test specification(s) | 3 = satisfactory 4 = sufficient N/A = not applicable | 5 = poor N/T = not tested |
| <p>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></p> | | | | |

V04

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 6dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH***RESULT: Pass***5.1.6 POWER SPECTRAL DENSITY***RESULT: Pass***5.1.7 SPURIOUS EMISSION***RESULT: Pass***5.1.8 FREQUENCY SEPARATION***RESULT: Pass***5.1.9 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.10 TIME OF OCCUPANCY***RESULT: Pass*

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)

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

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

| Kind of Equipment | Manufacturer | Type | S/N | Calibrated until |
|---|-----------------|--------------------|------------|------------------|
| Transmitter spurious emissions & Receiver spurious emissions | | | | |
| Spectrum Analyzer | Agilent | E7405A | MY45115511 | 2015-01-11 |
| Test Receiver | Rohde&Schwarz | ESCS30 | 100307 | 2015-01-11 |
| Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | 2015-01-11 |
| Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | 2015-01-11 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-655 | 2015-01-11 |
| 50 Coaxial Switch | Anritsu Corp | MP59B | 6200506474 | 2015-01-11 |
| Pre-Amplifier | Rohde&Schwarz | CBLU118354 0-01 | 3791 | 2015-01-11 |
| Temp. & Humid. Chamber | Gongwen | HSD-500 | 0109 | 2015-01-11 |
| Radio Spectrum Test | | | | |
| EMI Test Receiver | Rohde&Schwarz | ESPI-3 | 100396/003 | 2015-01-11 |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101495 | 2015-06-11 |
| Temp. & Humid. Chamber | Gongwen | HSD-500 | 0109 | 2015-01-11 |
| Conducted Emission | | | | |
| Test Receiver | Rohde&Schwarz | ESCS30 | 100307 | 2015-01-11 |
| L.I.S.N. | Schwarzbeck | NLSK8126 | 8126431 | 2015-01-11 |
| Pulse Limiter | Rohde&Schwarz | ESH3-Z2 | 100815 | 2015-01-11 |
| 50Ω Coaxial Switch | Anritsu Corp | MP59B | 6200283933 | 2015-01-11 |

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, 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

Table 2: Measurement Uncertainty

| Parameter | Uncertainty |
|--|-------------|
| Radio Spectrum | < ± 0.60 dB |
| Radiated emission of transmitter, valid up to 26.5 GHz | < ± 4.42 dB |
| Conducted Emission | < ± 2.23 dB |
| Radiated Emission | < ± 4.42 dB |

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, 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 EUTs are portable Bluetooth speaker.
 These models are identical except the color.
 For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth (BDR & EDR mode)

| Technical Specification | Value |
|---------------------------|--|
| Kind of Equipment | BLUETOOTH SPEAKER |
| Type Designation | MG-BTS01, MG-BTS01-BK, MG-BTS01-W, MG-BTS01-BU |
| FCC ID | Z5YMG-BTS01 |
| Operating Frequency band | 2402 – 2480MHz |
| Channel separation | 1MHz |
| Extreme Temperature Range | -20~+60°C |
| Operation Voltage | DC 3.7V (via built in battery) |
| | DC 5V (via USB port) |
| Modulation | FHSS (GFSK, 8DPSK, $\pi/4$ DQPSK) |
| Bluetooth version | 4.0, Dual Mode |
| Antenna Gain | -2dBi |

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| 0 | 2402.00 | 21 | 2423.00 | 42 | 2444.00 | 63 | 2465.00 |
| 1 | 2403.00 | 22 | 2424.00 | 43 | 2445.00 | 64 | 2466.00 |
| 2 | 2404.00 | 23 | 2425.00 | 44 | 2446.00 | 65 | 2467.00 |
| 3 | 2405.00 | 24 | 2426.00 | 45 | 2447.00 | 66 | 2468.00 |
| 4 | 2406.00 | 25 | 2427.00 | 46 | 2448.00 | 67 | 2469.00 |
| 5 | 2407.00 | 26 | 2428.00 | 47 | 2449.00 | 68 | 2470.00 |
| 6 | 2408.00 | 27 | 2429.00 | 48 | 2450.00 | 69 | 2471.00 |
| 7 | 2409.00 | 28 | 2430.00 | 49 | 2451.00 | 70 | 2472.00 |
| 8 | 2410.00 | 29 | 2431.00 | 50 | 2452.00 | 71 | 2473.00 |
| 9 | 2411.00 | 30 | 2432.00 | 51 | 2453.00 | 72 | 2474.00 |
| 10 | 2412.00 | 31 | 2433.00 | 52 | 2454.00 | 73 | 2475.00 |
| 11 | 2413.00 | 32 | 2434.00 | 53 | 2455.00 | 74 | 2476.00 |

| | | | | | | | |
|----|---------|----|---------|----|---------|----|---------|
| 12 | 2414.00 | 33 | 2435.00 | 54 | 2456.00 | 75 | 2477.00 |
| 13 | 2415.00 | 34 | 2436.00 | 55 | 2457.00 | 76 | 2478.00 |
| 14 | 2416.00 | 35 | 2437.00 | 56 | 2458.00 | 77 | 2479.00 |
| 15 | 2417.00 | 36 | 2438.00 | 57 | 2459.00 | 78 | 2480.00 |
| 16 | 2418.00 | 37 | 2439.00 | 58 | 2460.00 | | |
| 17 | 2419.00 | 38 | 2440.00 | 59 | 2461.00 | | |
| 18 | 2420.00 | 39 | 2441.00 | 60 | 2462.00 | | |
| 19 | 2421.00 | 40 | 2442.00 | 61 | 2463.00 | | |
| 20 | 2422.00 | 41 | 2443.00 | 62 | 2464.00 | | |

Table 5: Technical Specification of Bluetooth (LE mode)

| Technical Specification | Value |
|---------------------------|--|
| Kind of Equipment | BLUETOOTH SPEAKER |
| Type Designation | MG-BTS01, MG-BTS01-BK, MG-BTS01-W, MG-BTS01-BU |
| FCC ID | Z5YMG-BTS01 |
| Operating Frequency band | 2402 – 2480MHz |
| Channel separation | 2MHz |
| Extreme Temperature Range | -20~+60°C |
| Operation Voltage | DC 3.7V (via built in battery) |
| Kind of Equipment | BLUETOOTH SPEAKER |
| Modulation | GFSK |
| Bluetooth version | 4.0, Dual Mode |
| Antenna Gain | -2dBi |

Table 6: RF channel and frequency of Bluetooth (LE mode)

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| 0 | 2402.00 | 11 | 2424.00 | 22 | 2446.00 | 33 | 2468.00 |
| 1 | 2404.00 | 12 | 2426.00 | 23 | 2448.00 | 34 | 2470.00 |
| 2 | 2406.00 | 13 | 2428.00 | 24 | 2450.00 | 35 | 2472.00 |
| 3 | 2408.00 | 14 | 2430.00 | 25 | 2452.00 | 36 | 2474.00 |
| 4 | 2410.00 | 15 | 2432.00 | 26 | 2454.00 | 37 | 2476.00 |
| 5 | 2412.00 | 16 | 2434.00 | 27 | 2456.00 | 38 | 2478.00 |
| 6 | 2414.00 | 17 | 2436.00 | 28 | 2458.00 | 39 | 2480.00 |
| 7 | 2416.00 | 18 | 2438.00 | 29 | 2460.00 | | |
| 8 | 2418.00 | 19 | 2440.00 | 30 | 2462.00 | | |
| 9 | 2420.00 | 20 | 2442.00 | 31 | 2464.00 | | |
| 10 | 2422.00 | 21 | 2444.00 | 32 | 2466.00 | | |

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode (BDR & EDR mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving
 - 2. Bluetooth mode (LE mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving
- B. Standby
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power 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 C63.4: 2003.

According to clause 3.1, all tests were applied on model MG-BTS01 only.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

| Description | Manufacturer | Part No. | S/N | Rating |
|-------------|--------------|----------|----------|--------|
| Notebook PC | Lenovo | 4290-RT8 | R9-FW93G | N/A |

The EUT was tested with following cables:

| Interface(s)/Port(s): | Max. cable length, shielding | Cable classification |
|-----------------------|--------------------------------|----------------------|
| Micro USB port | 4 cores, non-shielded port, 3m | DC Power Input |

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

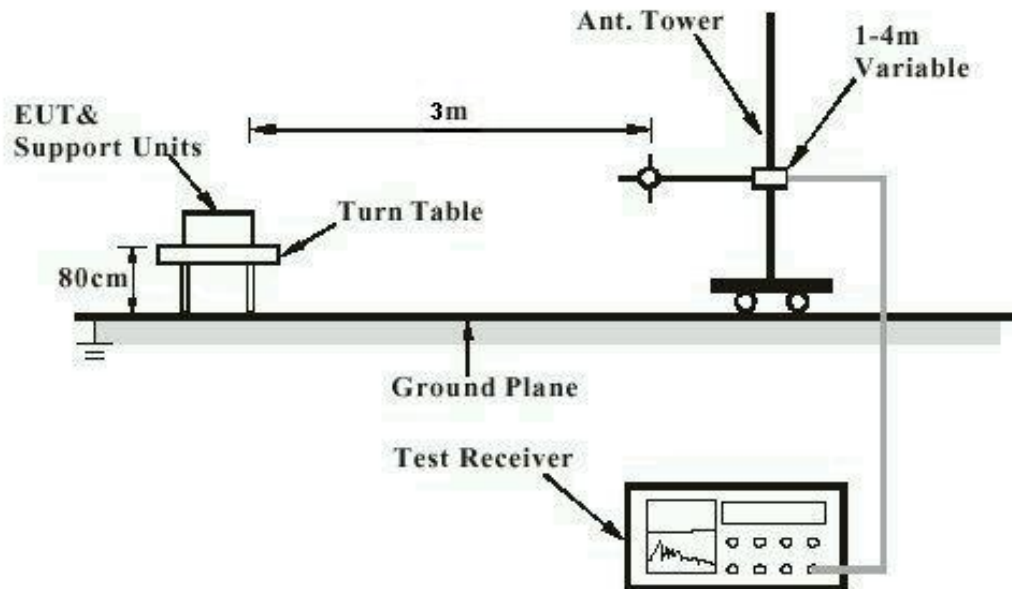


Diagram of Measurement Equipment Configuration for Conduction Measurement

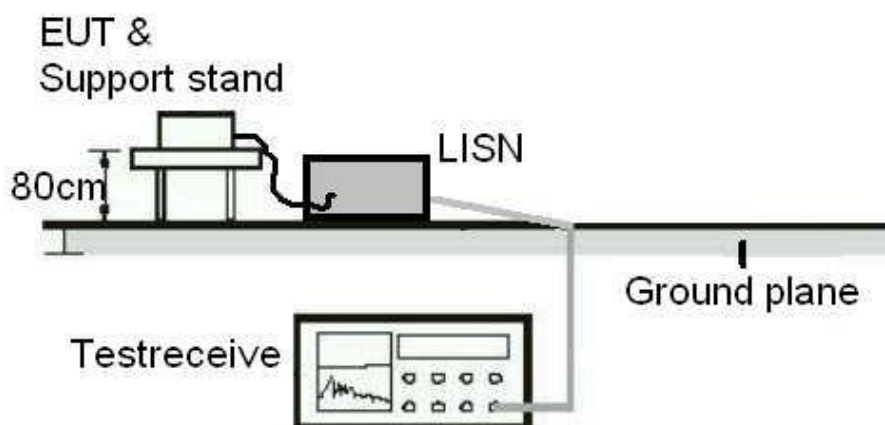
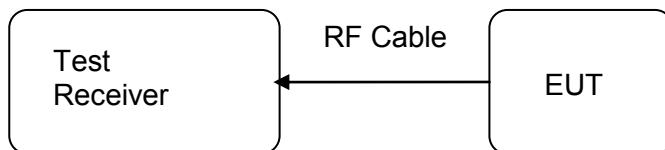


Diagram of Measurement Equipment Configuration for Transmitter Measurement

5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard : FCC Part 15.247(b)(4) and Part 15.203
Limit The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0dBi, 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.

5.1.2 Peak Output Power

RESULT:
Pass

Test date : 2014-10-22
 Test standard : FCC Part 15.247(b)(1)
 FCC Part 15.247(b)(3)
 Basic standard : ANSI C63.4: 2003
 Clause 9.1 of KDB 558074 v03r01
 Limit : 125mW, 1W
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a, A.2.a
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 7: Test result of Peak Output Power of Buletooth (BDR mode)

| Channel | Channel Frequency (MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
| | | (dBm) | (dBm) |
| Low Channel | 2402 | 2.41 | 21 |
| Middle Channel | 2441 | 4.74 | 21 |
| High Channel | 2480 | 5.43 | 21 |

Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)

| Channel | Channel Frequency (MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
| | | (dBm) | (dBm) |
| Low Channel | 2402 | 0.96 | 21 |
| Middle Channel | 2441 | 3.72 | 21 |
| High Channel | 2480 | 4.55 | 21 |

Table 9: Test result of Peak Output Power of Bluetooth (LE mode)

| Channel | Channel Frequency (MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
| | | (dBm) | (dBm) |
| Low Channel | 2402 | 3.82 | 30 |
| Middle Channel | 2440 | 4.43 | 30 |
| High Channel | 2480 | 4.64 | 30 |

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5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT:
Pass

Date of testing : 2014-10-16
 Test standard : FCC Part 15.247(a)(1)
 Basic standard : ANSI C63.4: 2003
 : Clause 8 of KDB 558074 v03r01
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 10: Test result of 20dB & 99% Bandwidth of BDR mode

| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|--------------|-------------------------|----------------------|---------------------|
| Low Channel | 2402 | 0.9335 | 0.9378 |
| Mid Channel | 2441 | 0.9335 | 0.9378 |
| High Channel | 2480 | 0.9335 | 0.9421 |

Table 11: Test result of 20dB & 99% Bandwidth of EDR mode

| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|--------------|-------------------------|----------------------|---------------------|
| Low Channel | 2402 | 1.2070 | 1.1939 |
| Mid Channel | 2441 | 1.2069 | 1.1896 |
| High Channel | 2480 | 1.2070 | 1.1983 |

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5.1.4 6dB Bandwidth and 99% Bandwidth**RESULT:****Pass**

Date of testing : 2014-10-22
Test standard : FCC Part 15.247(a)(2)
Basic standard : ANSI C63.4: 2003
Clause 8 of KDB 558074 v03r01
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.2.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 12: Test result of 6dB & 99% Bandwidth of Bluetooth, LE mode

| Channel | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|--------------|-------------------------|---------------------|---------------------|
| Low Channel | 2402 | 0.5557 | 1.0376 |
| Mid Channel | 2440 | 0.5731 | 1.0376 |
| High Channel | 2480 | 0.5774 | 1.0333 |

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5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth**RESULT:****Pass**

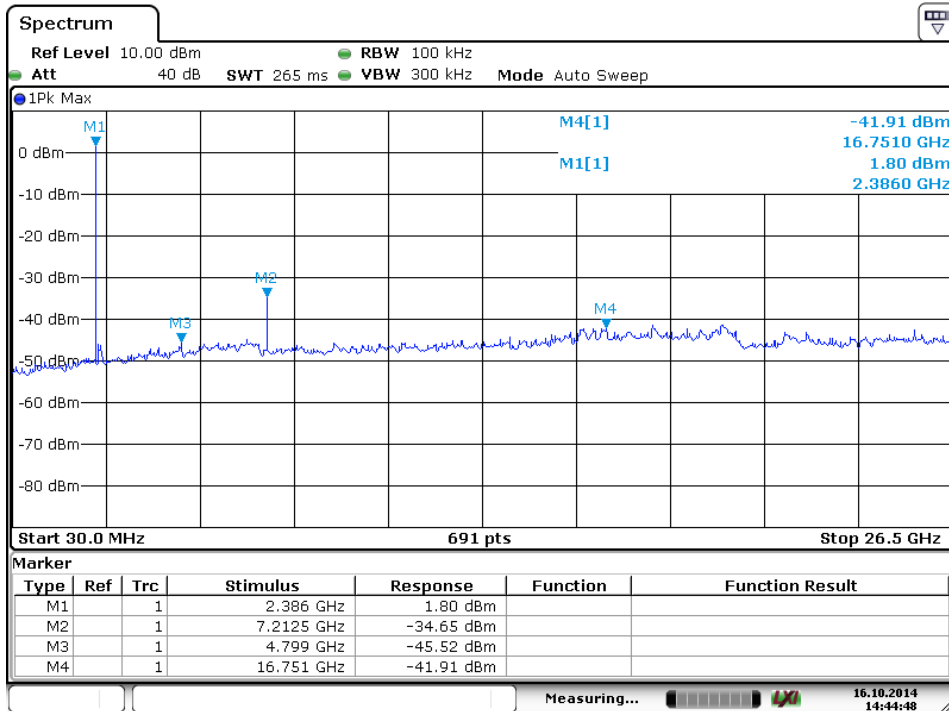
Date of testing : 2014-10-22
Test standard : FCC part 15.247(d)
Basic standard : ANSI C63.4: 2003
Limit : 20dB (below that in the 100kHz bandwidth within
the band that contains the highest level of the
desired power);
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.1.a, A.2.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

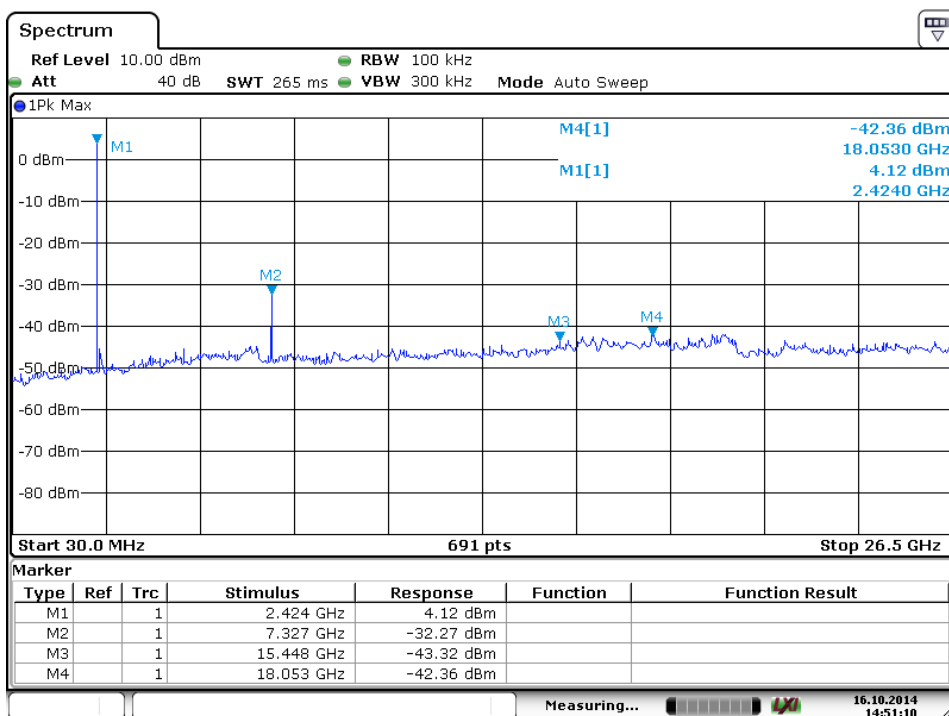
For details refer to following test plot.

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode Low Channel

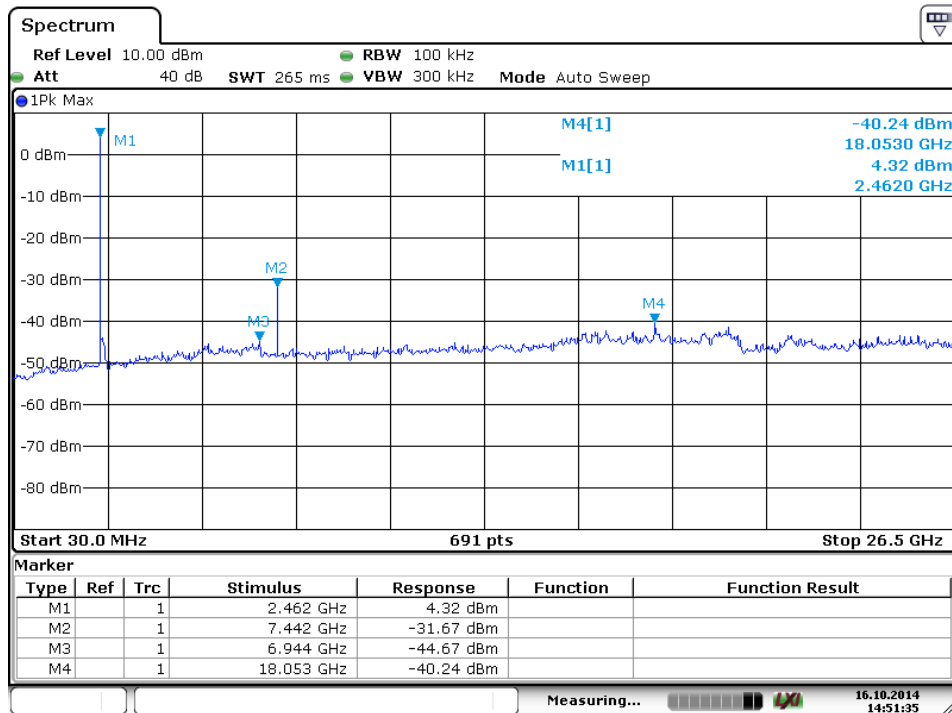


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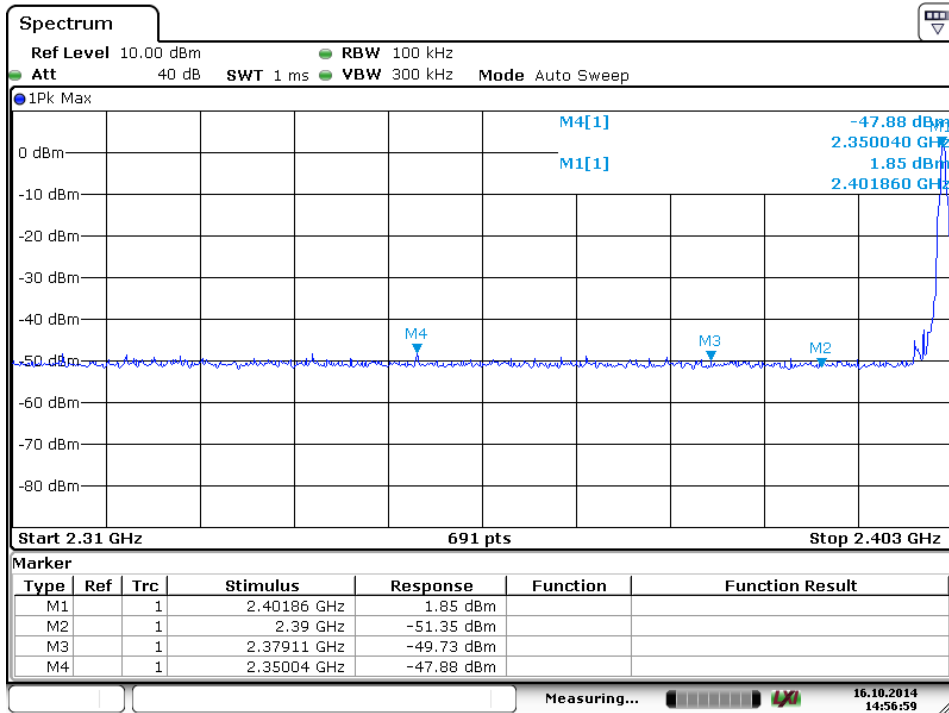
Middle Channel



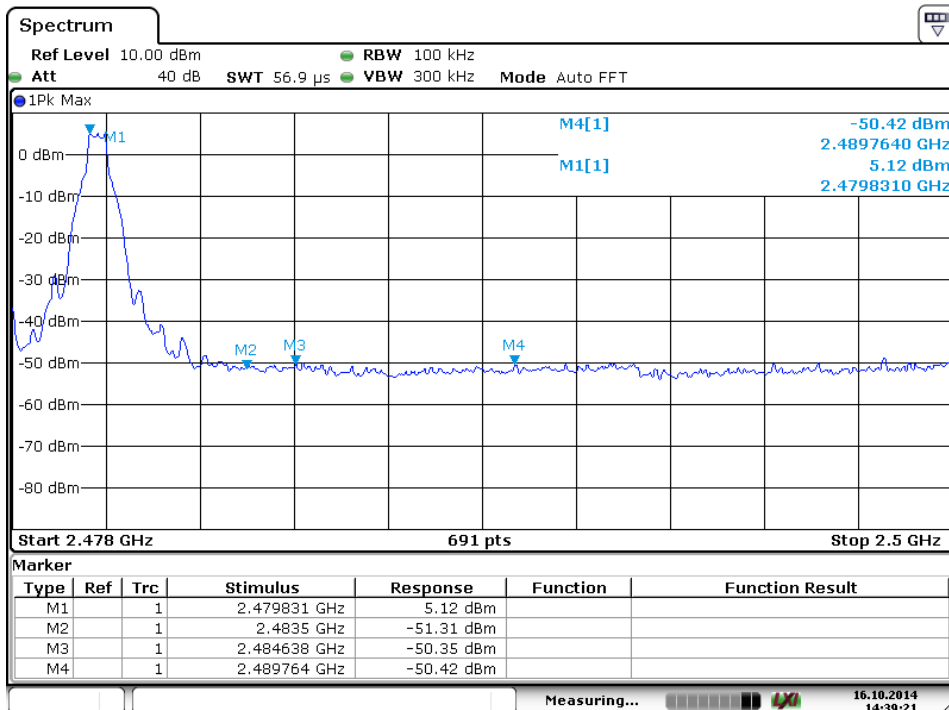
Date: 16.OCT.2014 14:51:10

High Channel


Date: 16.OCT.2014 14:51:36

Band Edge


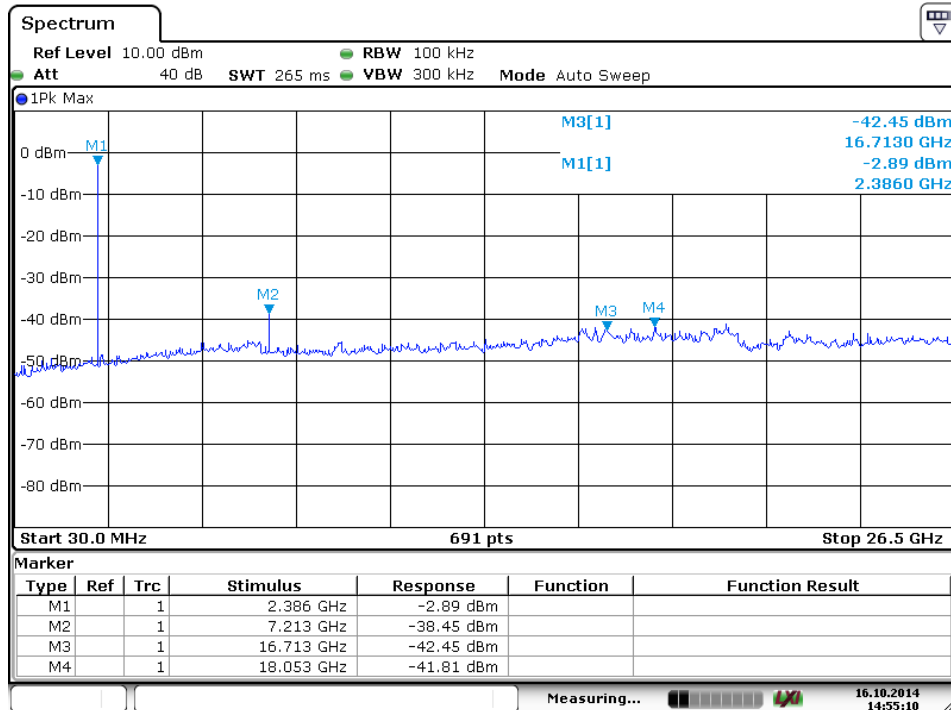
Date: 16.OCT.2014 14:57:00



Date: 16.OCT.2014 14:39:22

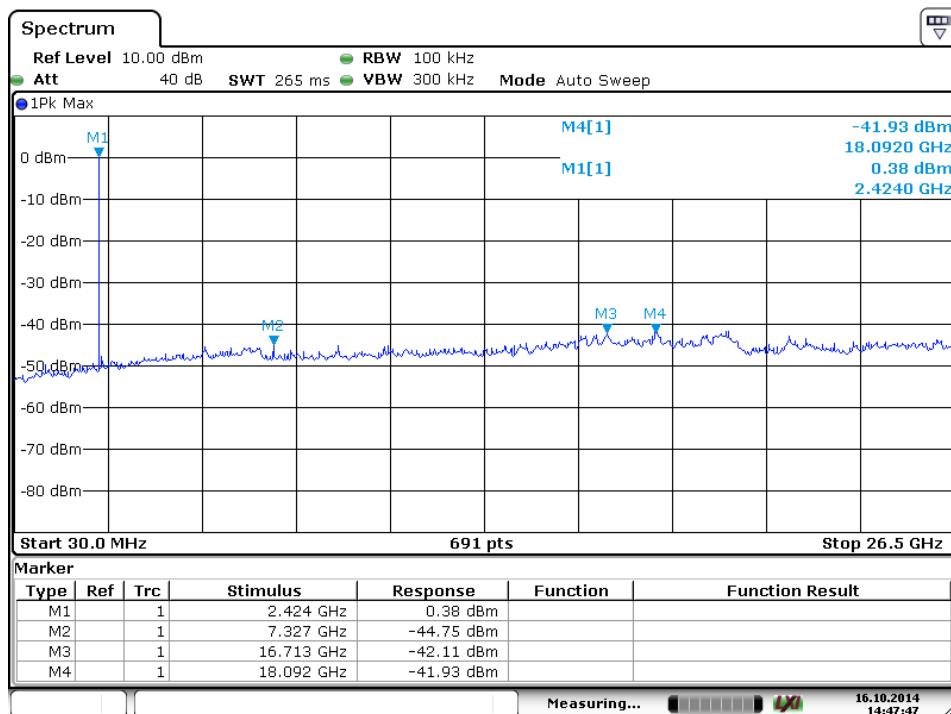
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

Low Channel

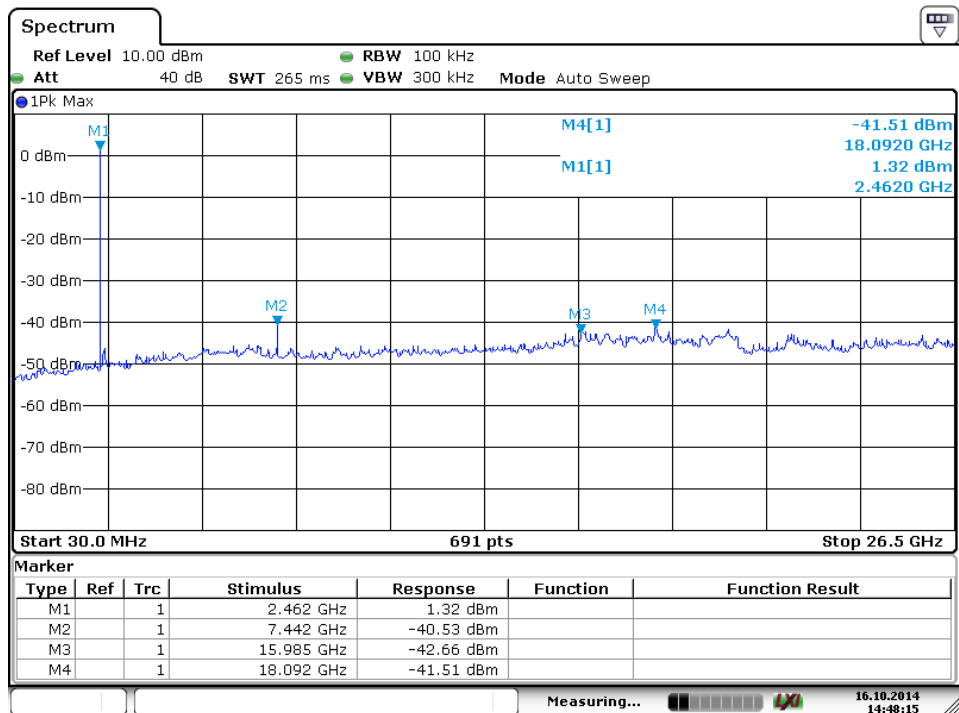


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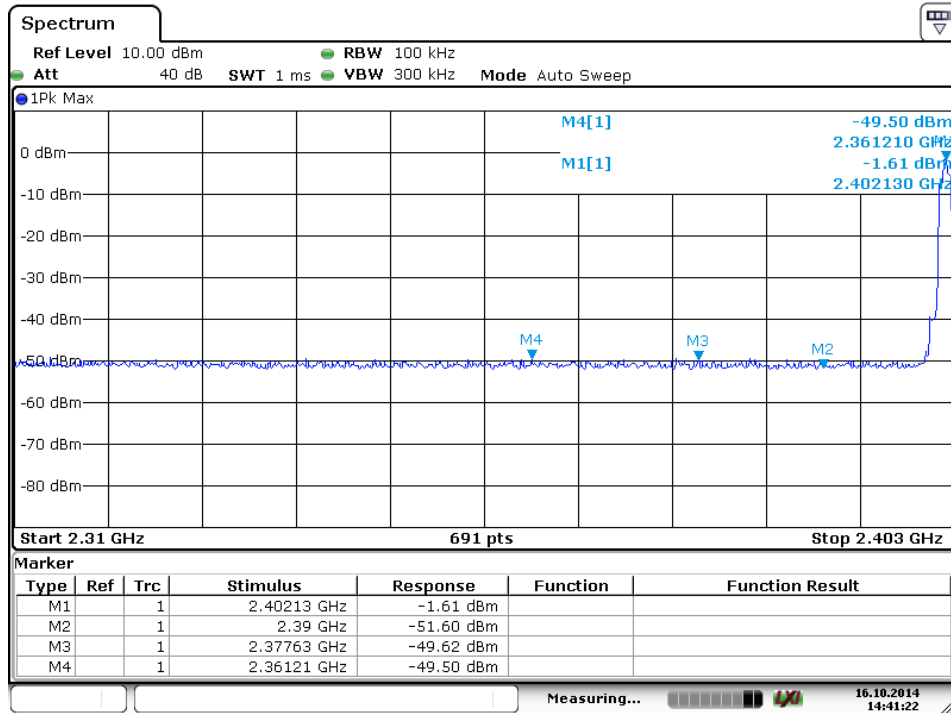
Middle Channel



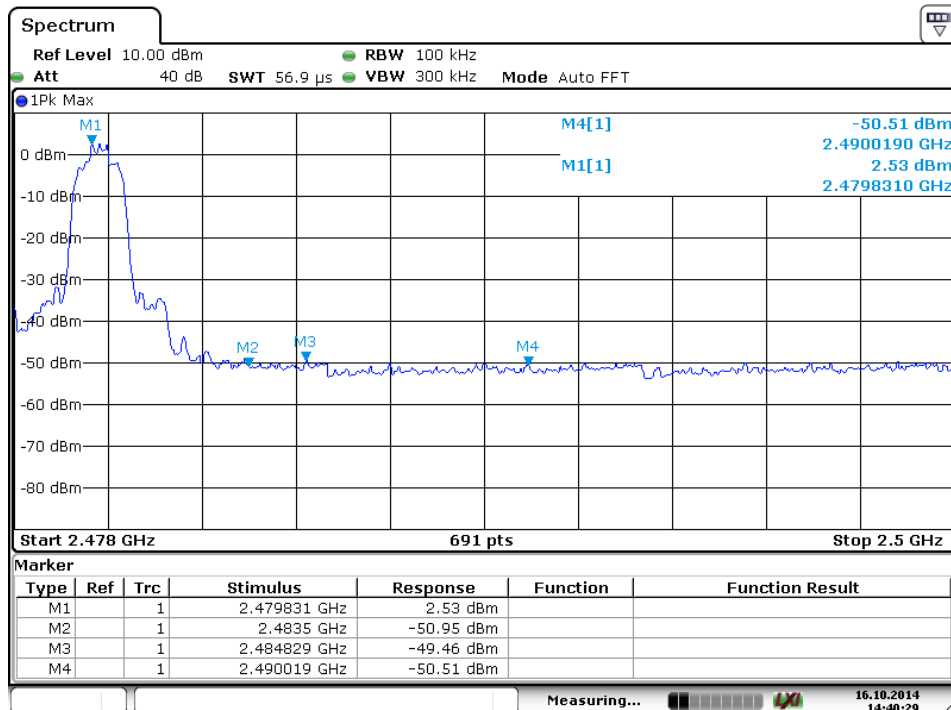
Date: 16.OCT.2014 14:47:47

High Channel


Date: 16.OCT.2014 14:48:15

Band Edge


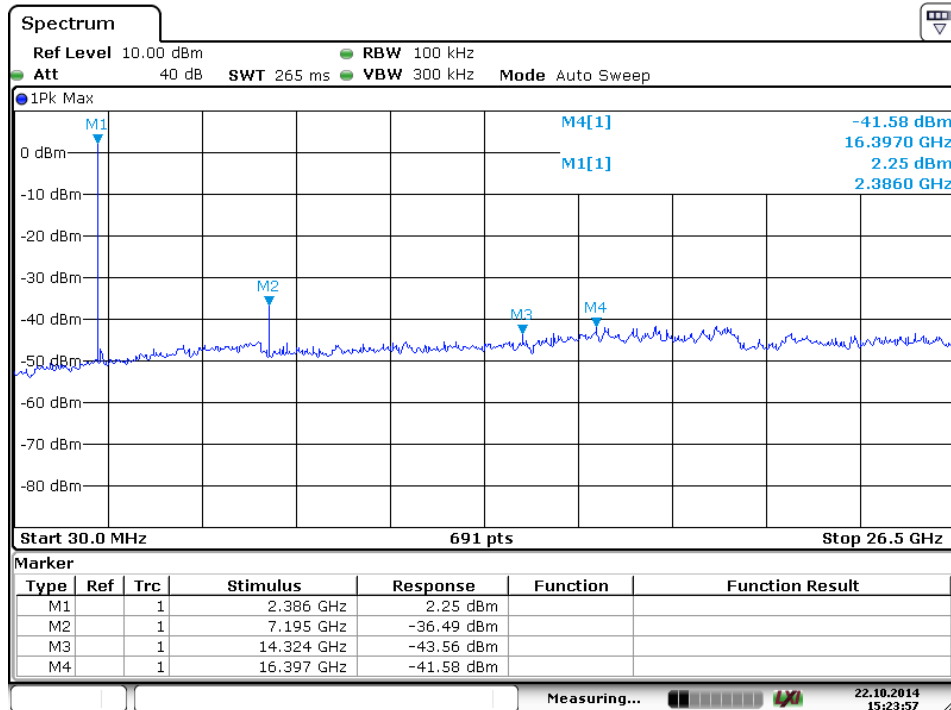
Date: 16.OCT.2014 14:41:23



Date: 16.OCT.2014 14:40:30

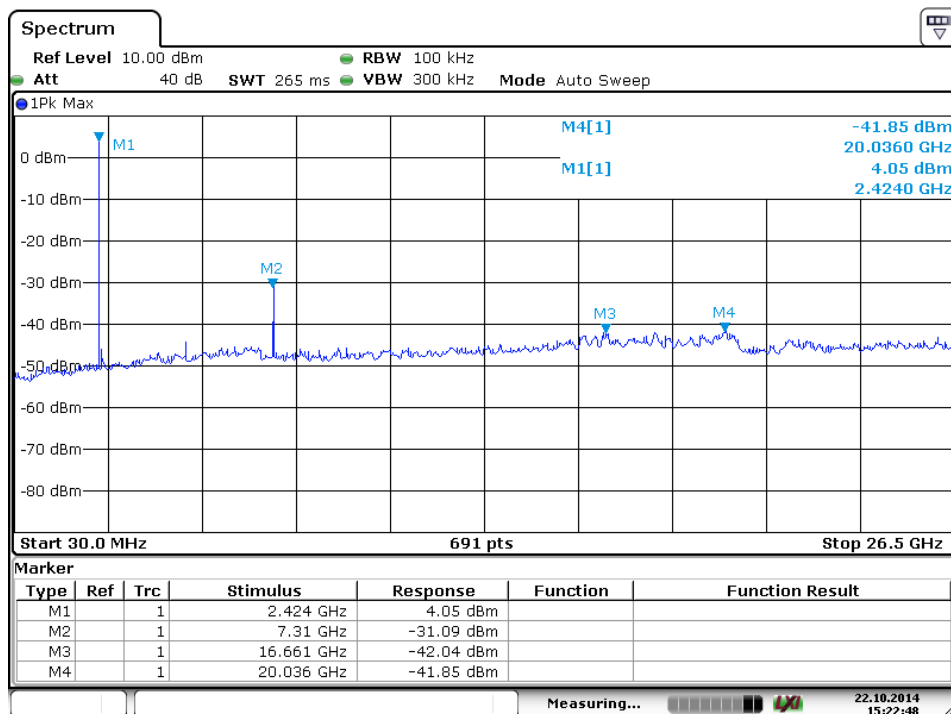
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of LE mode

Low Channel

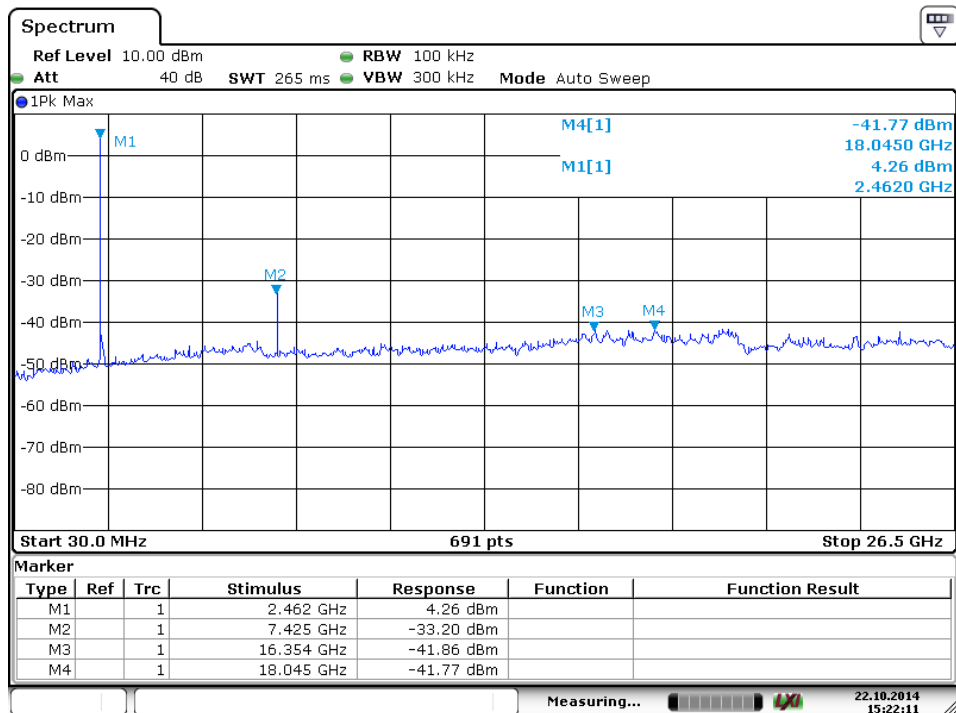


Date: 22.OCT.2014 15:23:57

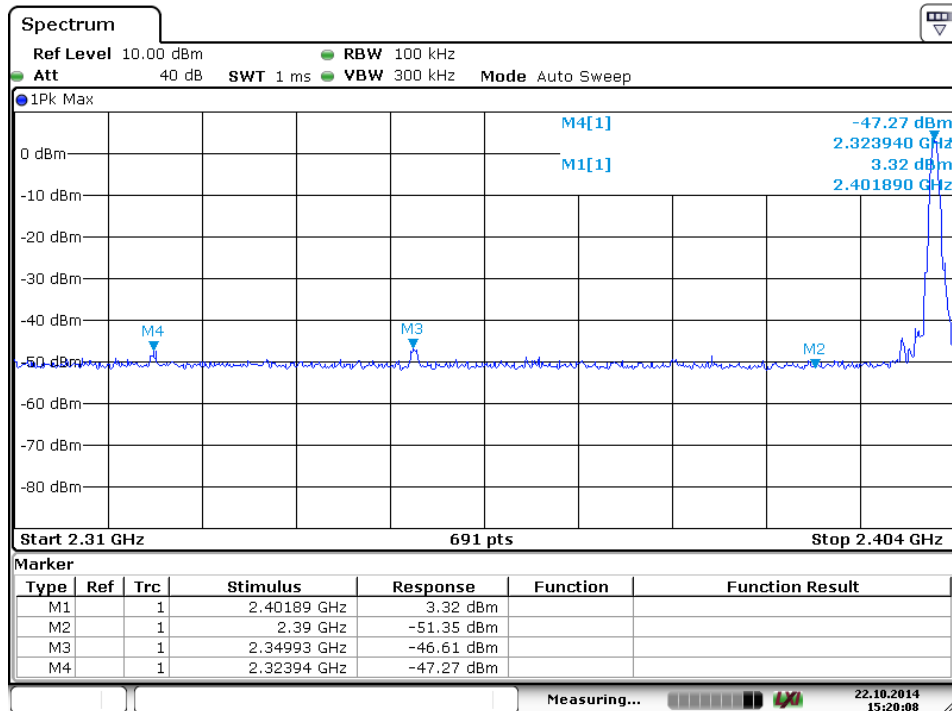
Middle Channel



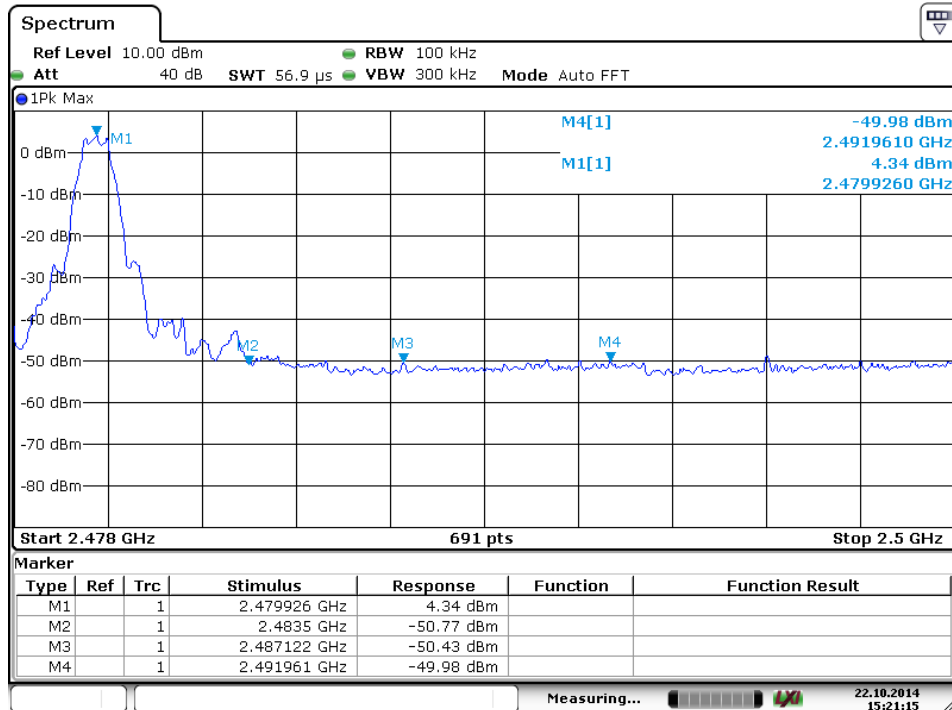
Date: 22.OCT.2014 15:22:48

High Channel


Date: 22.OCT.2014 15:22:11

Band Edge


Date: 22.OCT.2014 15:20:08



Date: 22.OCT.2014 15:21:15

5.1.6 Power spectral density

RESULT:**Pass**

Date of testing : 2014-10-22
Test standard : FCC part 15.247(e)
Basic standard : ANSI C63.4: 2003
Clause 10 of KDB 558074 v03r01
Limit : 8dBm/3kHz
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.2.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 13: Test result of power spectral density:

| Mode | Channel (MHz) | Result (dBm/3kHz) | Limit (dBm/3kHz) | Conclusion |
|-------------------|---------------|-------------------|------------------|------------|
| Bluetooth LE mode | 2402 | -12.03 | 8 | Pass |
| | 2440 | -11.28 | 8 | Pass |
| | 2480 | -10.96 | 8 | Pass |

Prüfbericht - Nr.: 17044019 001*Test Report No.***Seite 28 von 96***Page 28 of 96*

5.1.7 Spurious Emission

RESULT:**Pass**

Date of testing : 2014-10-22
Test standard : FCC part 15.247(d)
Basic standard : ANSI C63.4: 2003
Clause 11 of KDB 558074 v03r01
Limits : FCC part 15.209(a)
Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.1.a, A.2.a
Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101kPa

For details refer to following test plot.

Test Plot of Spurious Emission of transmitting

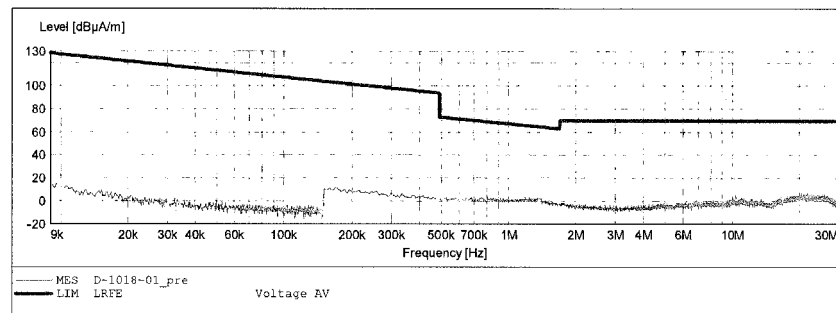
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2402MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | | _SUB STD VTERM2 1.70 | | | |
|--------------------|-----------|----------|----------------------|------------|-----------|------------|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



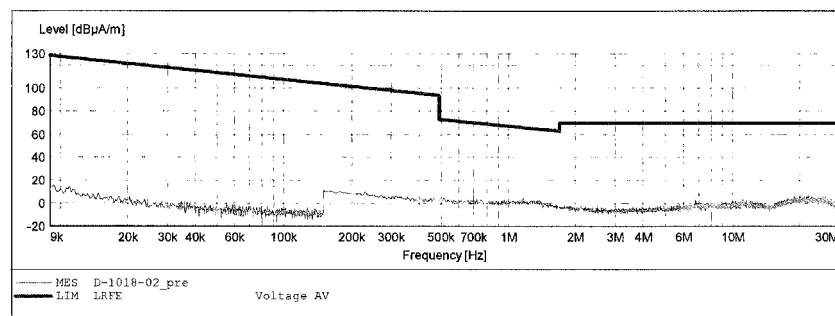
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2402MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Y
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|---|-----------|----------|-----------|------------|-----------|------------|
| Short Description: _SUB_STD_VTERM2 1.70 | | | | | | |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



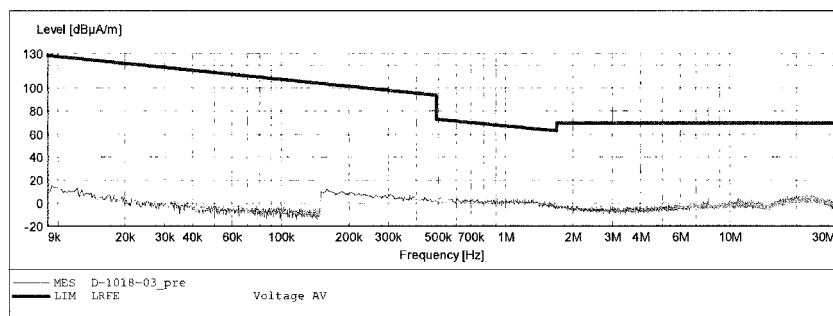
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2402MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



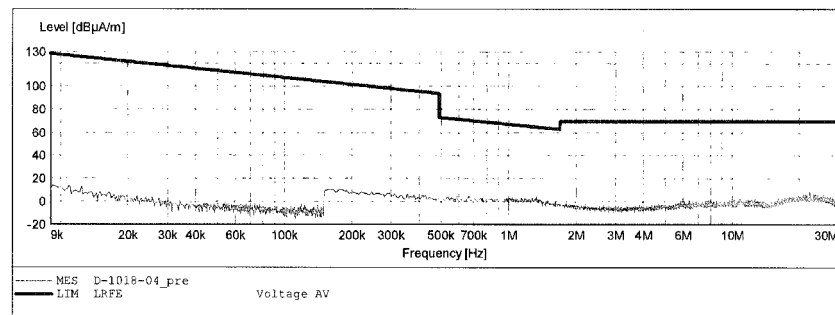
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2441MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | | _SUB_STD_VTERM2 1.70 | | | |
|--------------------|-----------|----------|----------------------|------------|-----------|------------|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



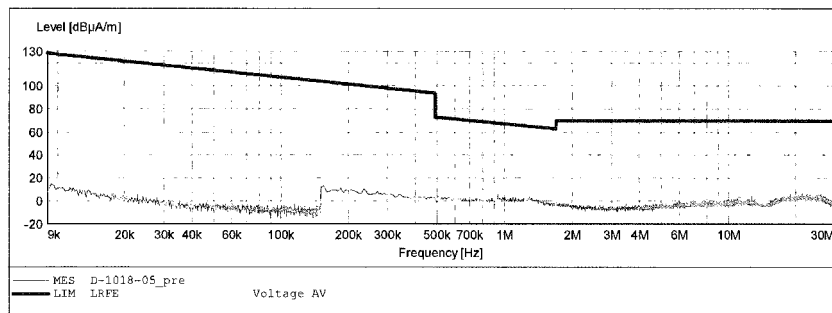
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2441MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Y
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | | SUB_STD_VTERM2 1.70 | | | |
|--------------------|-----------|----------|---------------------|------------|-----------|------------|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



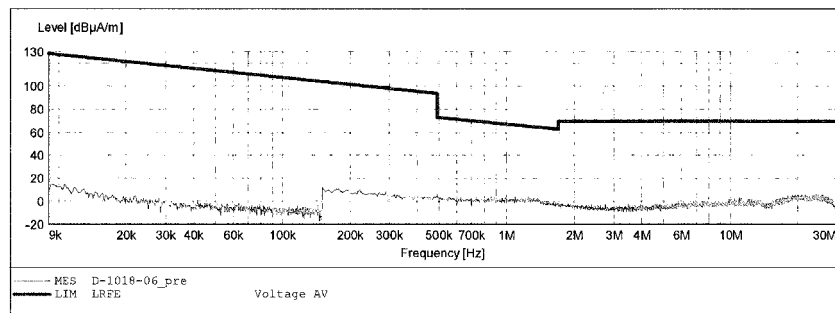
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2441MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



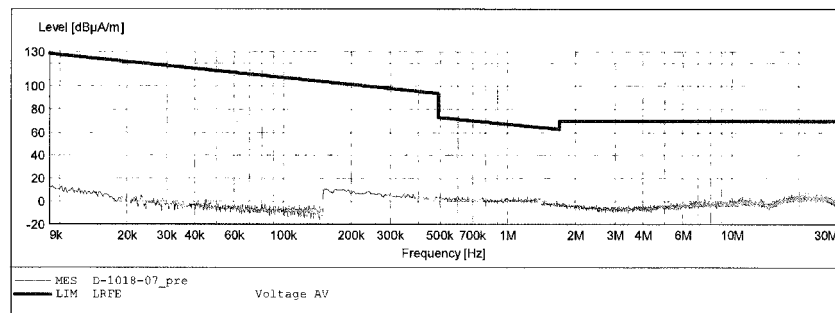
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2480MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | | _SUB_STD_VTERM2 1.70 | | | |
|--------------------|-----------|----------|----------------------|------------|-----------|------------|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |

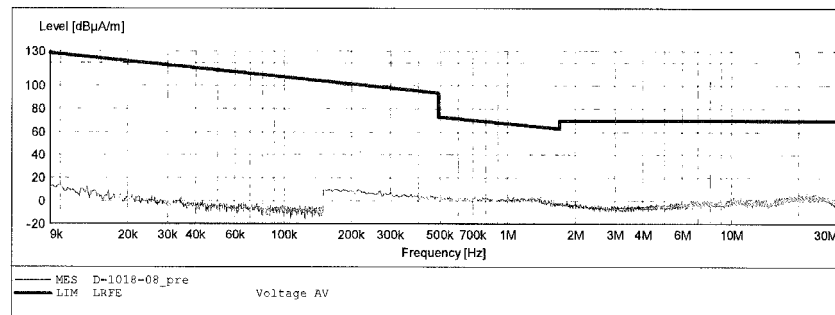


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FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2480MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Y
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | _SUB_STD_VTERM2 1.70 | | | | | |
|--------------------|-----------|----------------------|-----------|------------|-----------|------------|--|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer | |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M | |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M | |



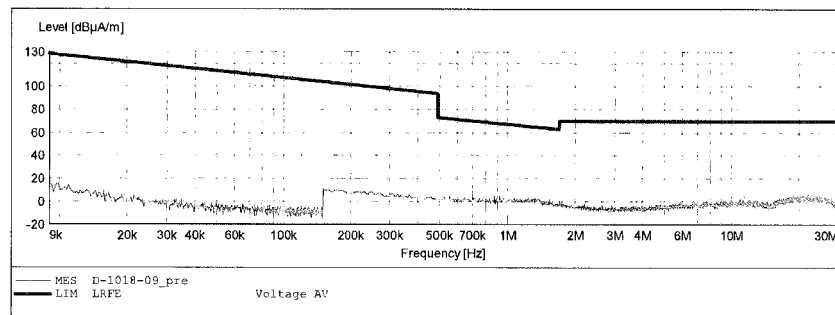
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FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2480MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |




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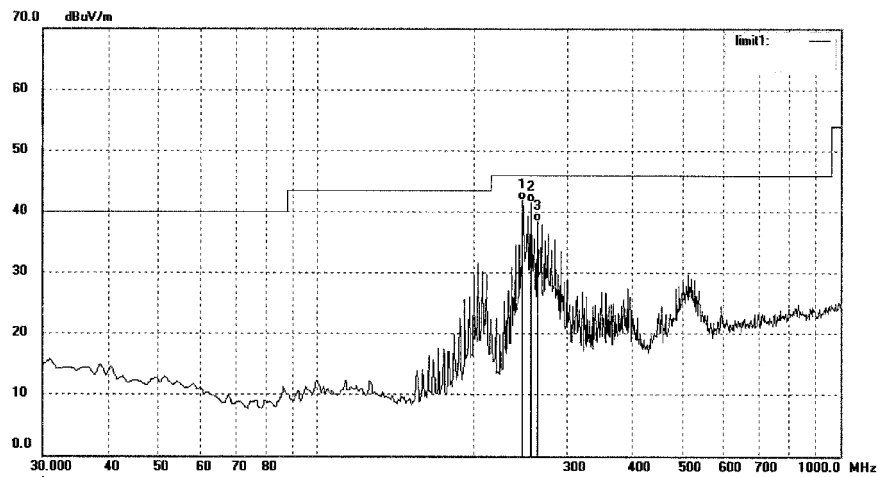
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1148 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 247.2800 | 54.74 | -12.83 | 41.91 | 46.00 | -4.09 | QP | | | |
| 2 | 256.0100 | 54.31 | -12.82 | 41.49 | 46.00 | -4.51 | QP | | | |
| 3 | 263.7700 | 51.05 | -12.62 | 38.43 | 46.00 | -7.57 | QP | | | |


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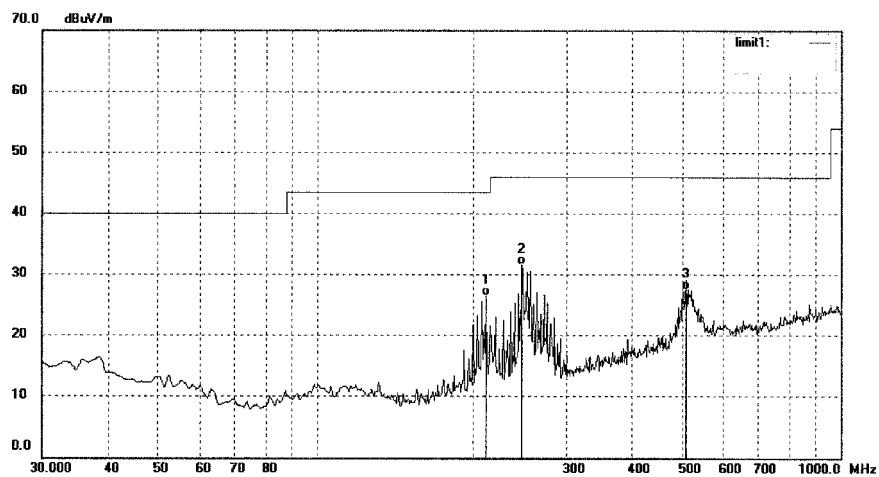
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|-------------------------|
| Job No.: LAN2014 #1149 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 211.3899 | 40.51 | -13.96 | 26.55 | 43.50 | -16.95 | QP | | | |
| 2 | 247.2800 | 44.48 | -12.83 | 31.65 | 46.00 | -14.35 | QP | | | |
| 3 | 508.2099 | 35.37 | -7.88 | 27.49 | 46.00 | -18.51 | QP | | | |


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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: LAN2014 #1151

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Hipper-B

Mode: TX 2441MHz

Model: MG-BTS01

Manufacturer: Compupal (Group) Corporation

Polarization: Horizontal

Power Source: DC 3.7V

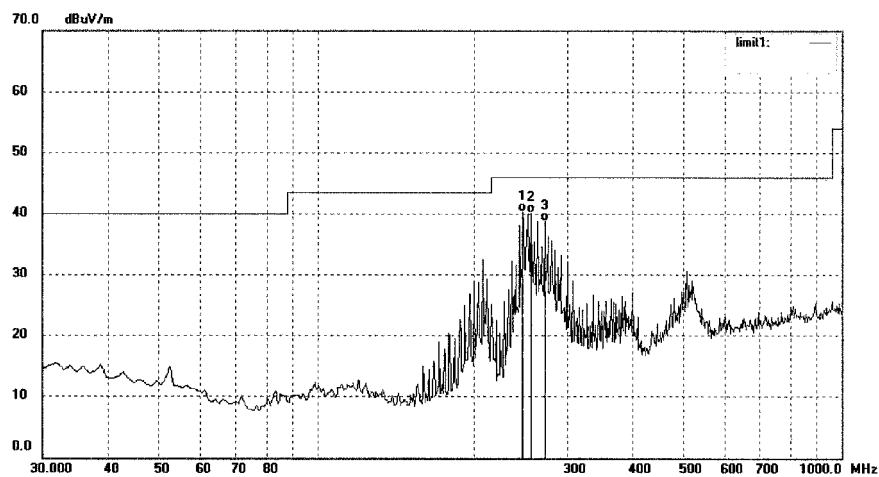
Date: 2014/10/17

Time:

Engineer Signature: PEI

Distance: 3m

Note: Bluetooth



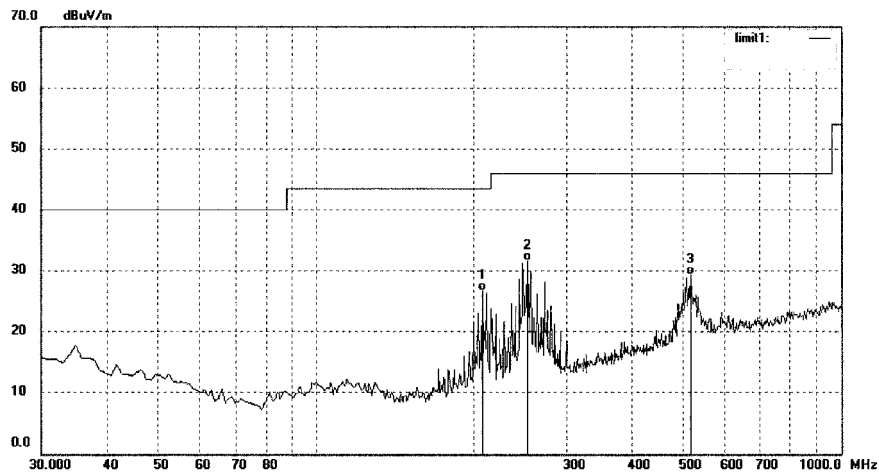
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 247.2800 | 53.19 | -12.83 | 40.36 | 46.00 | -5.64 | QP | | | |
| 2 | 256.0099 | 52.94 | -12.82 | 40.12 | 46.00 | -5.88 | QP | | | |
| 3 | 271.5298 | 51.07 | -12.29 | 38.78 | 46.00 | -7.22 | QP | | | |


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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1150 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2441MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



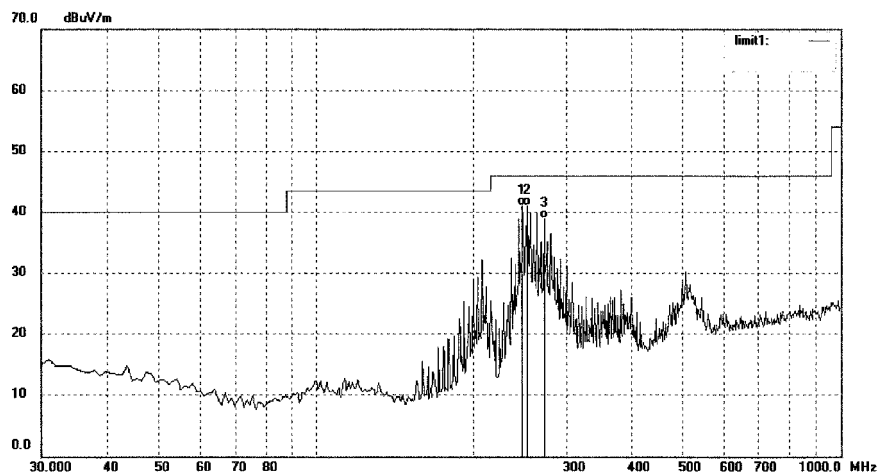
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 207.5098 | 40.68 | -14.07 | 26.61 | 43.50 | -16.89 | QP | | | |
| 2 | 252.1298 | 44.34 | -12.81 | 31.53 | 46.00 | -14.47 | QP | | | |
| 3 | 515.9699 | 37.07 | -7.79 | 29.28 | 46.00 | -16.72 | QP | | | |


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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.: LAN2014 #1152 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



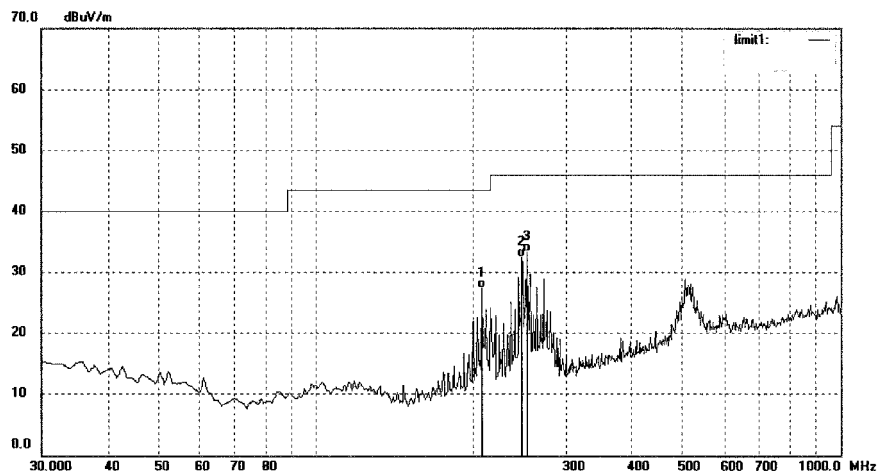
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 247.2800 | 53.95 | -12.83 | 41.12 | 46.00 | -4.88 | QP | | | |
| 2 | 252.1299 | 53.83 | -12.81 | 41.02 | 46.00 | -4.98 | QP | | | |
| 3 | 271.5299 | 51.23 | -12.29 | 38.94 | 46.00 | -7.06 | QP | | | |


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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1153 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



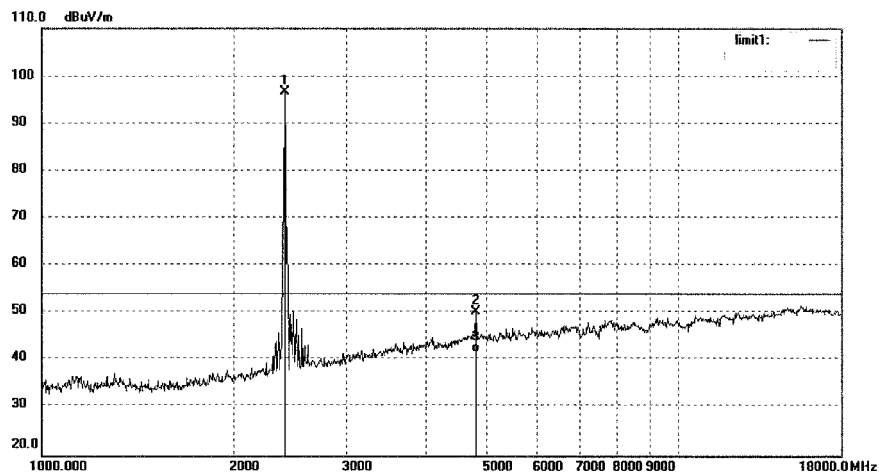
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 207.5099 | 41.38 | -14.07 | 27.31 | 43.50 | -16.19 | QP | | | |
| 2 | 247.2800 | 45.36 | -12.83 | 32.53 | 46.00 | -13.47 | QP | | | |
| 3 | 252.1299 | 46.14 | -12.81 | 33.33 | 46.00 | -12.67 | QP | | | |


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

| | |
|--|--------------------------|
| Job No.: LAN2014 #1107 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 103.98 | -7.45 | 96.53 | / | / | peak | | | |
| 2 | 4804.012 | 50.58 | -0.30 | 50.28 | 74.00 | -23.72 | peak | | | |
| 3 | 4804.012 | 42.07 | -0.30 | 41.77 | 54.00 | -12.23 | AVG | | | |


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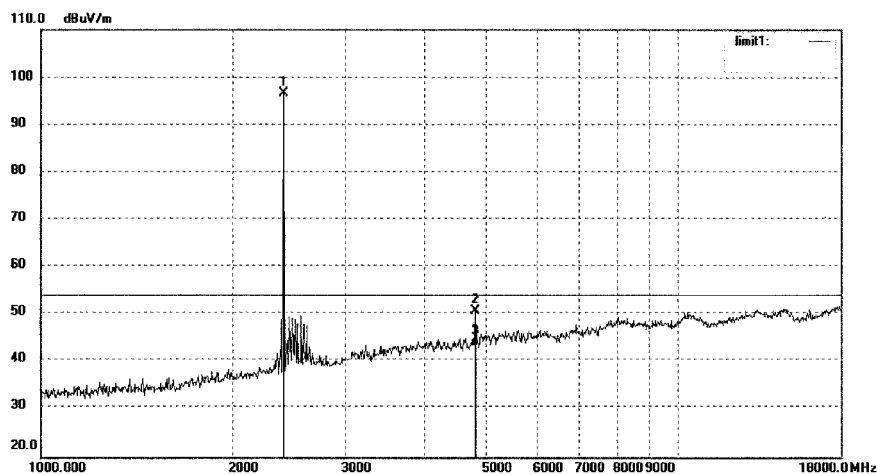
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|-------------------------|
| Job No.: LAN2014 #1108 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 103.98 | -7.45 | 96.53 | / | / | peak | | | |
| 2 | 4804.008 | 51.06 | -0.30 | 50.76 | 74.00 | -23.24 | peak | | | |
| 3 | 4804.008 | 43.55 | -0.30 | 43.25 | 54.00 | -10.75 | AVG | | | |

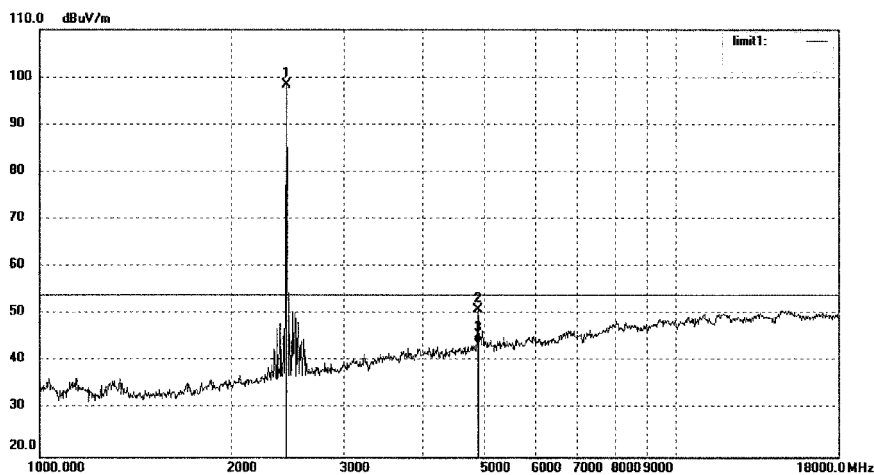

ACCURATE TECHNOLOGY CO., LTD.

 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.: LAN2014 #1112 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2441MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 105.85 | -7.35 | 98.50 | / | / | peak | | | |
| 2 | 4882.031 | 50.70 | 0.14 | 50.84 | 74.00 | -23.16 | peak | | | |
| 3 | 4882.031 | 43.78 | 0.14 | 43.92 | 54.00 | -10.08 | AVG | | | |


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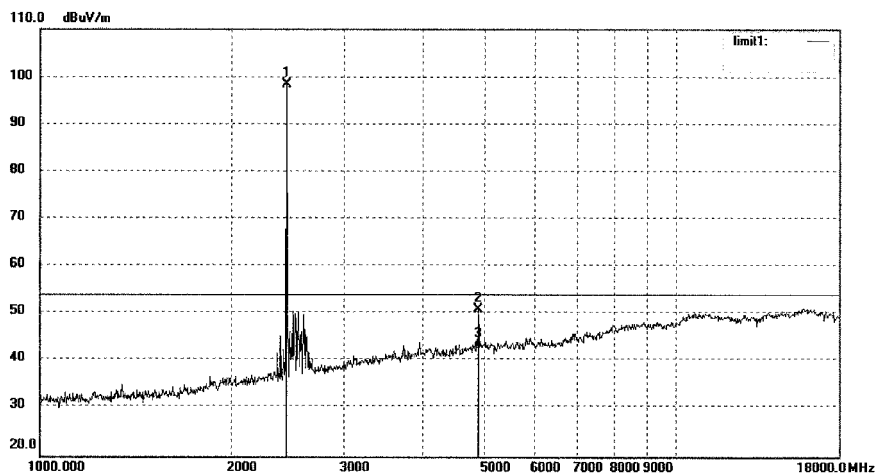
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|-------------------------|
| Job No.: LAN2014 #1113 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2441MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



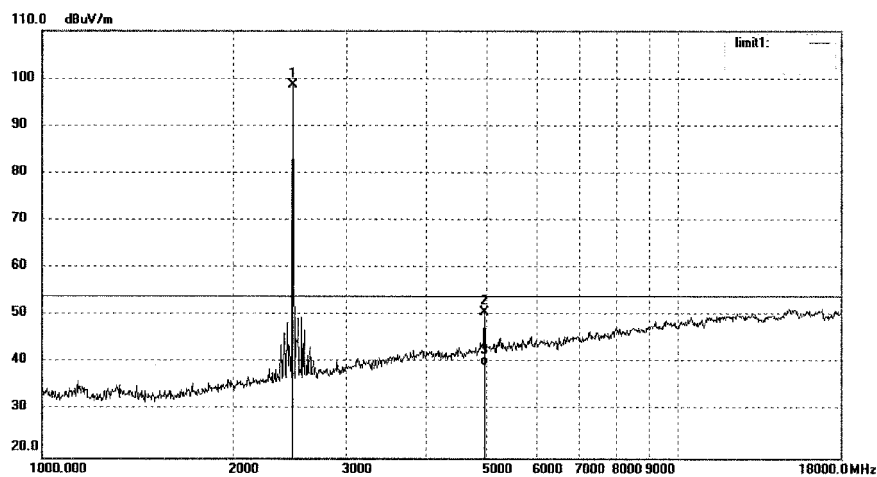
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2441.000 | 105.85 | -7.35 | 98.50 | / | / | peak | | | |
| 2 | 4882.011 | 50.75 | 0.14 | 50.89 | 74.00 | -23.11 | peak | | | |
| 3 | 4882.011 | 42.55 | 0.14 | 42.69 | 54.00 | -11.31 | 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.: LAN2014 #1115 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



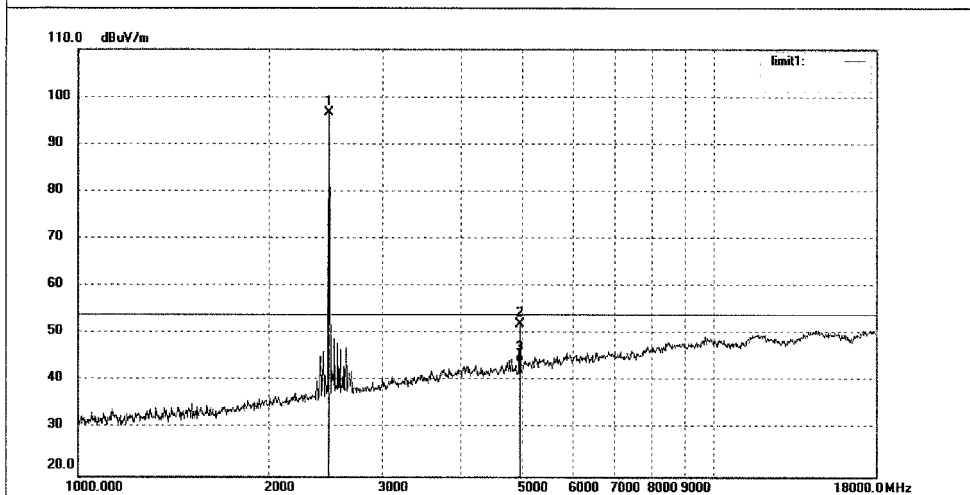
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2480.000 | 105.91 | -7.37 | 98.54 | / | / | peak | | | |
| 2 | 4960.034 | 50.26 | 0.52 | 50.78 | 74.00 | -23.22 | peak | | | |
| 3 | 4960.034 | 38.98 | 0.52 | 39.50 | 54.00 | -14.50 | AVG | | | |


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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1114 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



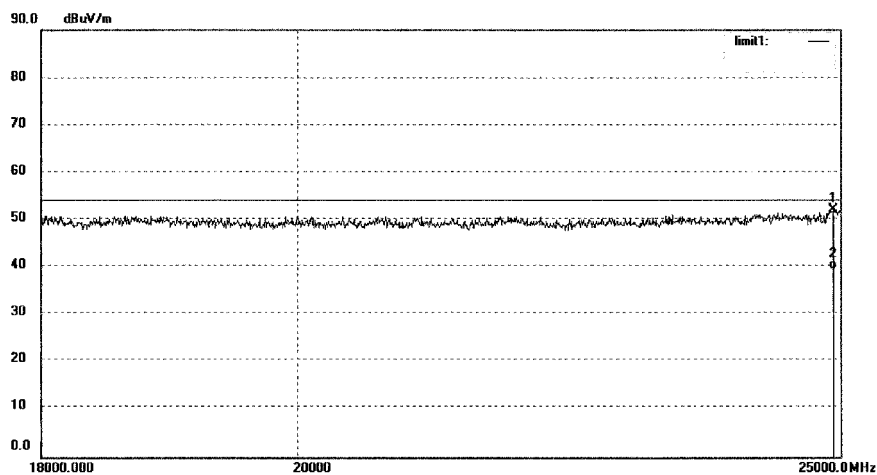
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2480.000 | 103.91 | -7.37 | 96.54 | / | / | peak | | | |
| 2 | 4960.027 | 51.45 | 0.52 | 51.97 | 74.00 | -22.03 | peak | | | |
| 3 | 4960.027 | 43.33 | 0.52 | 43.85 | 54.00 | -10.15 | 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.: LAN2014 #1174 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



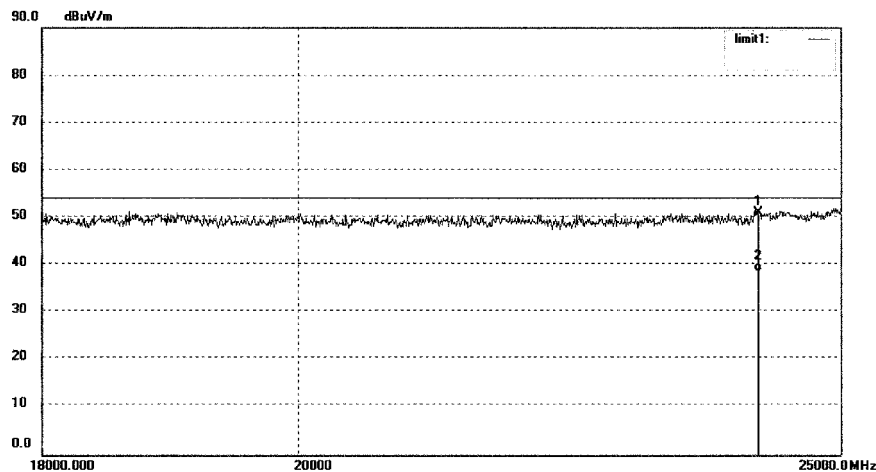
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24934.254 | 33.27 | 18.81 | 52.08 | 74.00 | -21.92 | peak | | | |
| 2 | 24934.254 | 20.63 | 18.81 | 39.44 | 54.00 | -14.56 | 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.: LAN2014 #1175 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



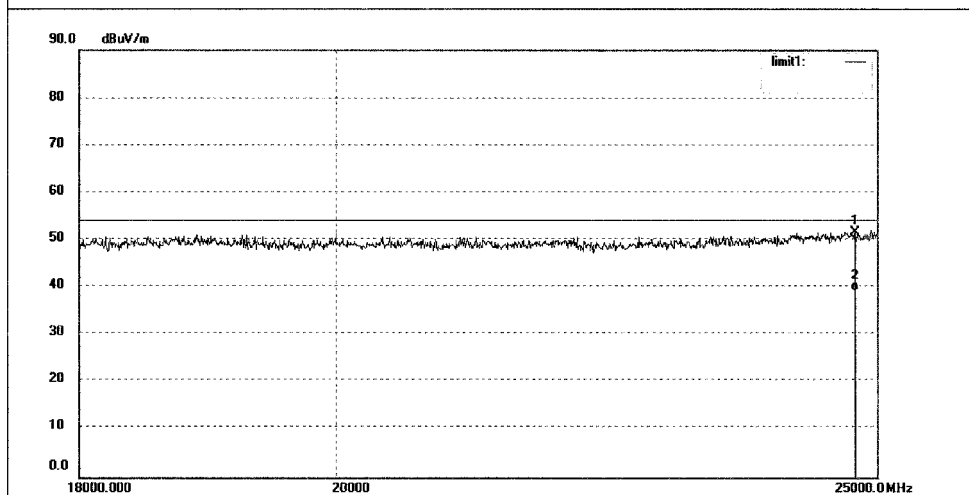
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24166.614 | 33.55 | 17.40 | 50.95 | 74.00 | -23.05 | peak | | | |
| 2 | 24166.614 | 21.24 | 17.40 | 38.64 | 54.00 | -15.36 | AVG | | | |


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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.: LAN2014 #1177 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2441MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



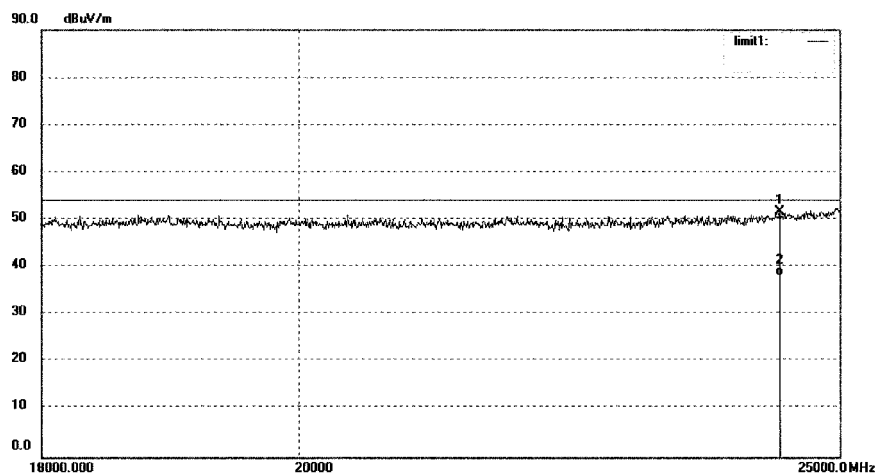
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24778.800 | 33.07 | 18.59 | 51.66 | 74.00 | -22.34 | peak | | | |
| 2 | 24778.800 | 20.63 | 18.59 | 39.22 | 54.00 | -14.78 | AVG | | | |


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

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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1176 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2441MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



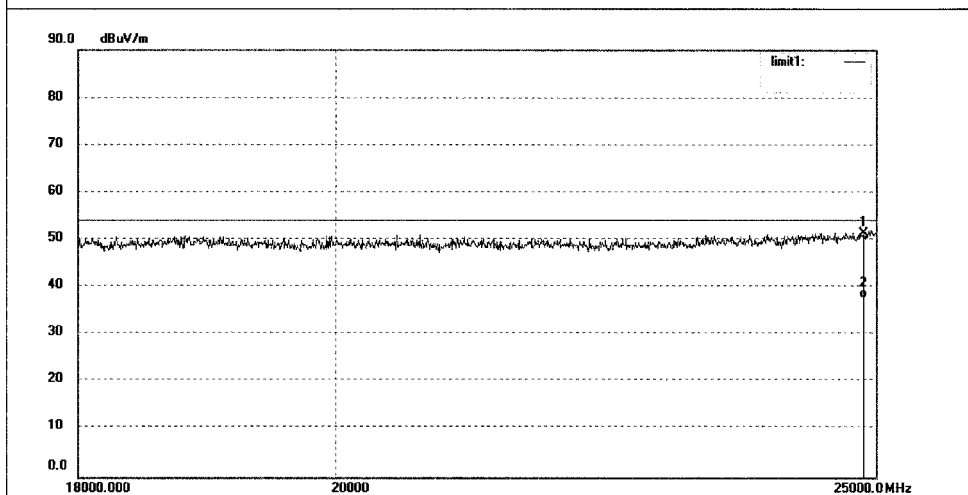
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24390.376 | 33.74 | 17.94 | 51.68 | 74.00 | -22.32 | peak | | | |
| 2 | 24390.376 | 20.17 | 17.94 | 38.11 | 54.00 | -15.89 | 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.: LAN2014 #1178 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 24876.868 | 32.78 | 18.73 | 51.51 | 74.00 | -22.49 | peak | | | |
| 2 | 24876.868 | 19.05 | 18.73 | 37.78 | 54.00 | -16.22 | AVG | | | |

Prüfbericht - Nr.: 17044019 001
Test Report No.
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Page 55 of 96

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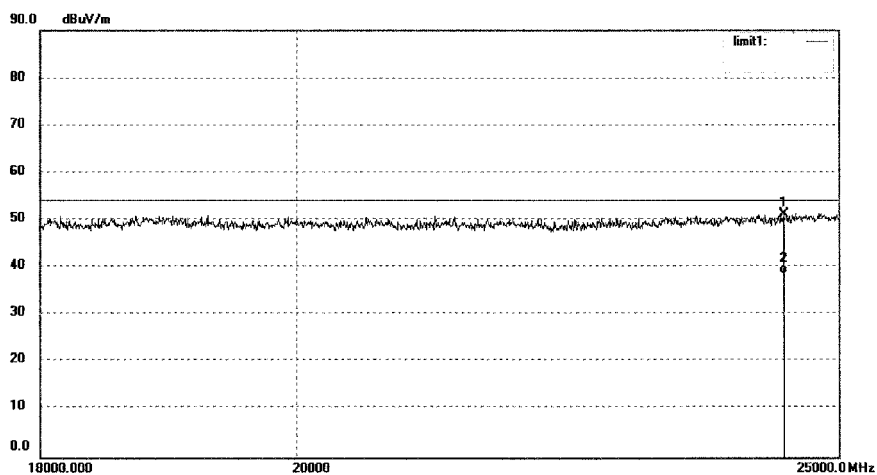
 F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

| | |
|--|-------------------------|
| Job No.: LAN2014 #1179 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth



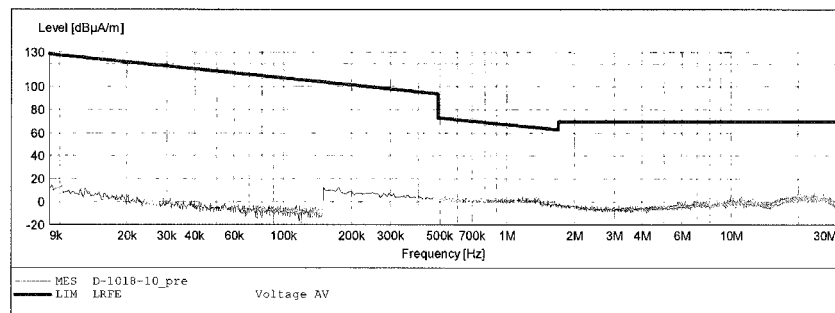
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24438.594 | 33.21 | 18.05 | 51.26 | 74.00 | -22.74 | peak | | | |
| 2 | 24438.594 | 20.45 | 18.05 | 38.50 | 54.00 | -15.50 | AVG | | | |

ACCURATE TECHNOLOGY CO., LTD.
FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2402MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|---|-----------|----------|-----------|------------|-----------|------------|
| Short Description: _SUB_STD_VTERM2 1.70 | | | | | | |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |

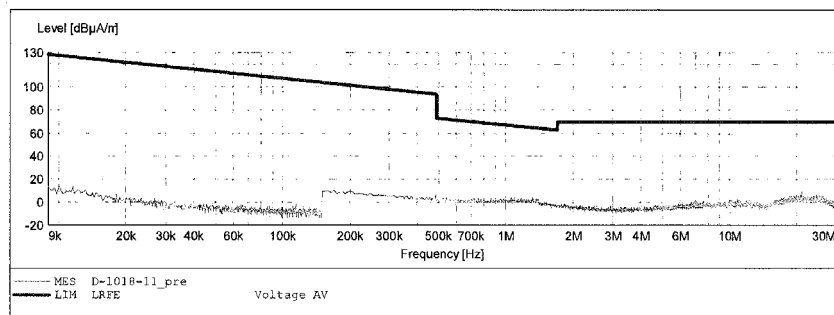


ACCURATE TECHNOLOGY CO., LTD.
FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2402MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Y
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



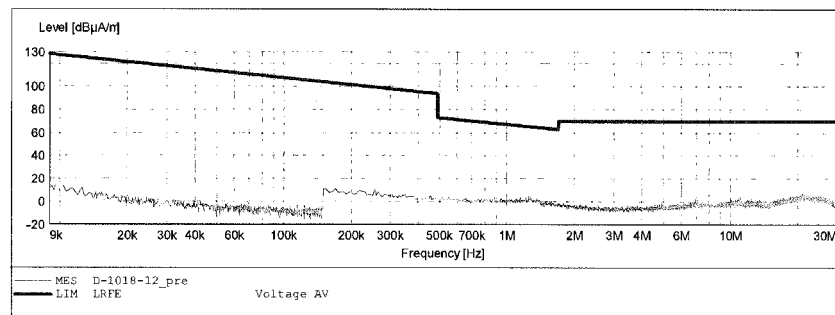
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2402MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



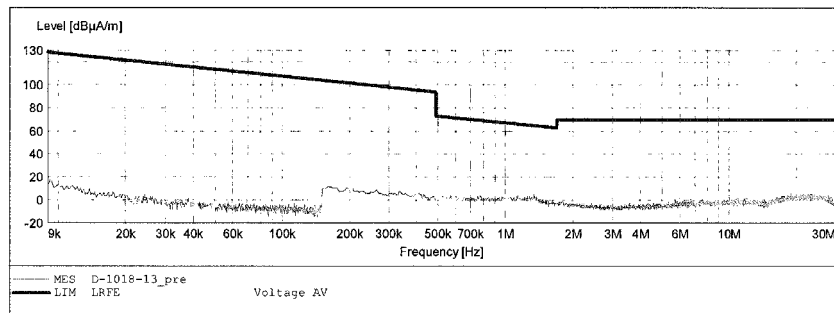
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2440MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |

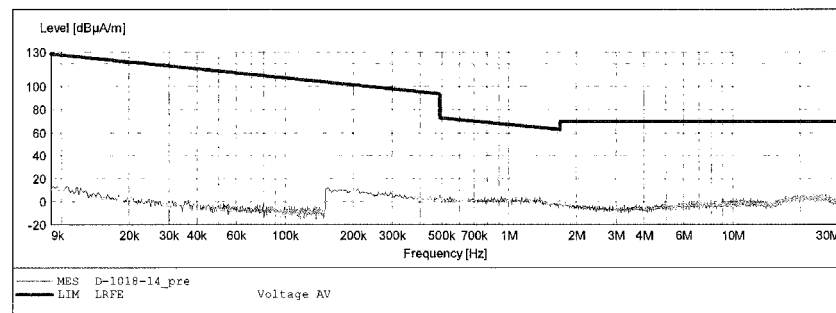


ACCURATE TECHNOLOGY CO., LTD.
FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2440MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Y
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



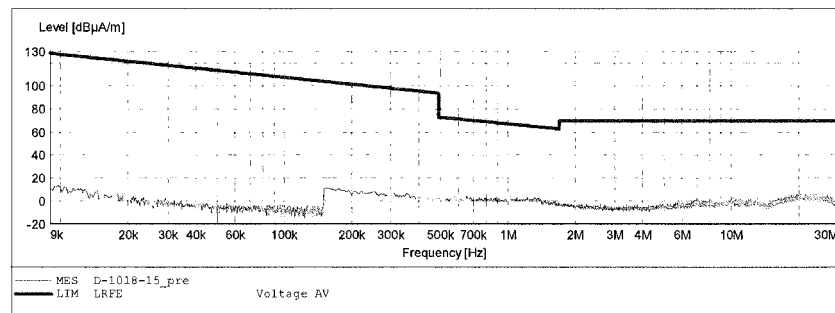
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2440MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



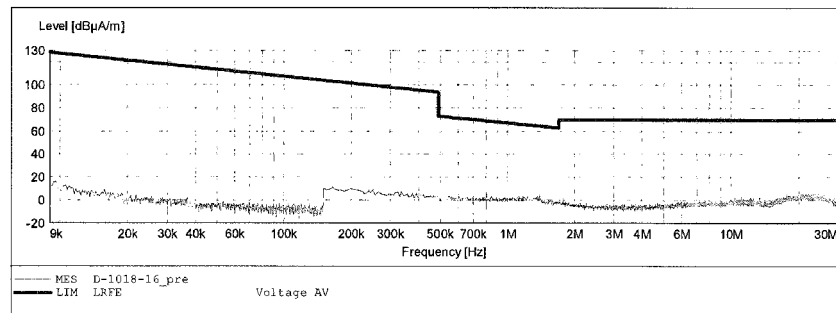
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2480MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
|-----------|-----------|----------|-----------|------------|-----------|------------|
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |



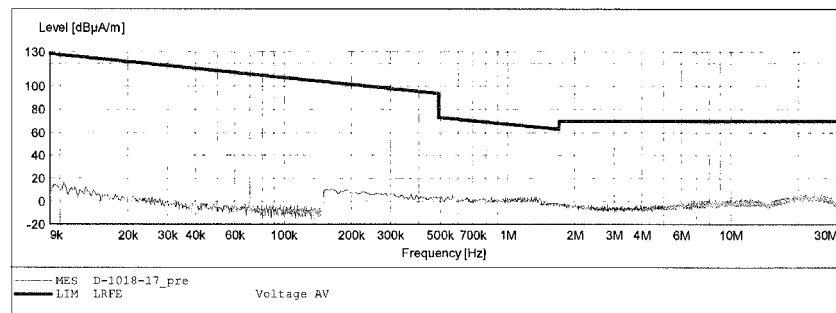
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2480MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Y
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | _SUB_STD_VTERM2 1.70 | | | | | |
|--------------------|-----------|----------------------|-----------|------------|-----------|------------|--|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer | |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M | |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M | |



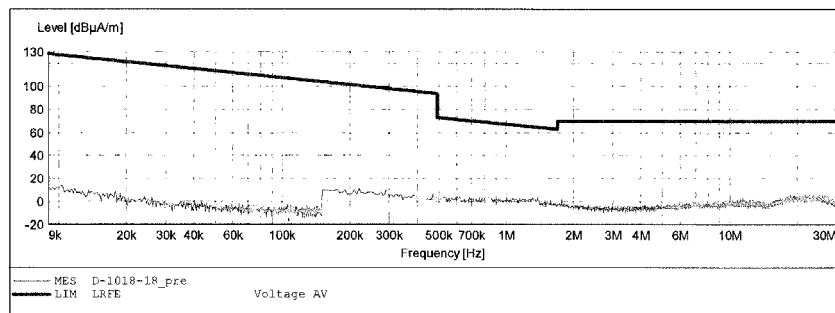
ACCURATE TECHNOLOGY CO., LTD.

FCC Class B 3M Radiated

EUT: Hipper-B M/N:MG-BTS01
 Manufacturer: Compupal (Group) Corporation
 Operating Condition: TX 2480MHz
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2014-10-18 /

SCAN TABLE: "LFRE Fin"

| Short Description: | | | _SUB_STD_VTERM2 1.70 | | | |
|--------------------|-----------|----------|----------------------|------------|-----------|------------|
| Start | Stop | Step | Detector | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s | 200 Hz | 1516M |
| 150.0 kHz | 30.0 MHz | 5.0 kHz | QuasiPeak | 1.0 s | 9 kHz | 1516M |

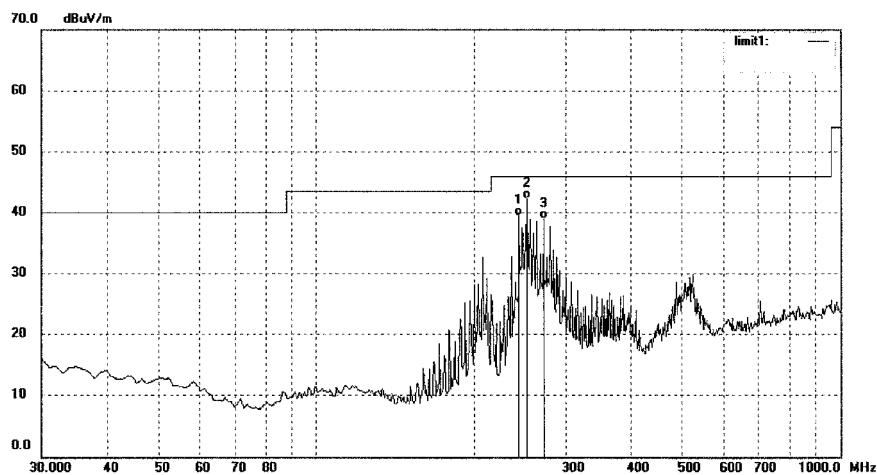



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 Site: 2# Chamber
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 Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1155 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



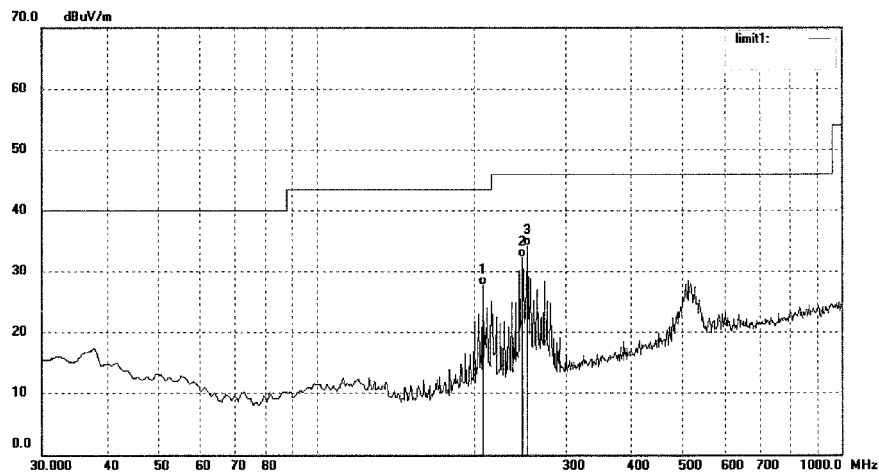
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 243.4000 | 52.40 | -12.87 | 39.53 | 46.00 | -6.47 | QP | | | |
| 2 | 252.1299 | 55.02 | -12.81 | 42.21 | 46.00 | -3.79 | QP | | | |
| 3 | 271.5298 | 51.30 | -12.29 | 39.01 | 46.00 | -6.99 | QP | | | |


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| | |
|--|-------------------------|
| Job No.: LAN2014 #1154 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 207.5099 | 41.73 | -14.07 | 27.66 | 43.50 | -15.84 | QP | | | |
| 2 | 247.2800 | 45.11 | -12.83 | 32.28 | 46.00 | -13.72 | QP | | | |
| 3 | 252.1299 | 47.03 | -12.81 | 34.22 | 46.00 | -11.78 | QP | | | |


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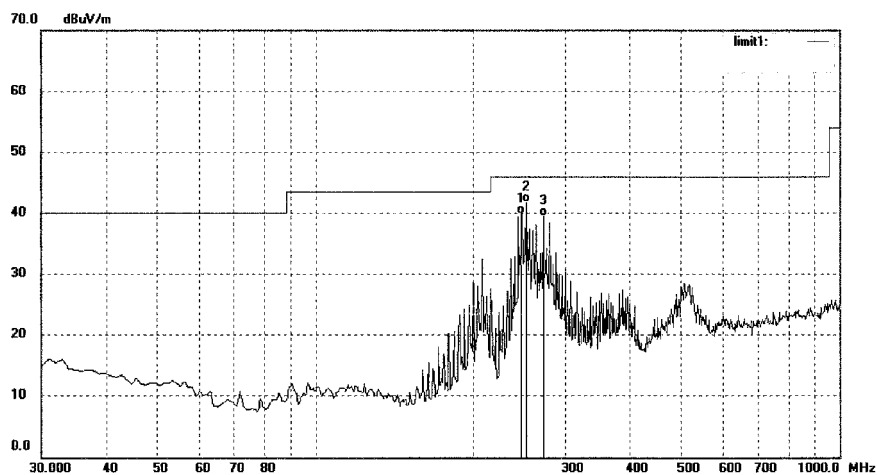
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1156 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2440MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 247.2800 | 52.71 | -12.83 | 39.88 | 46.00 | -6.12 | QP | | | |
| 2 | 252.1300 | 54.63 | -12.81 | 41.82 | 46.00 | -4.18 | QP | | | |
| 3 | 271.5298 | 51.80 | -12.29 | 39.51 | 46.00 | -6.49 | QP | | | |


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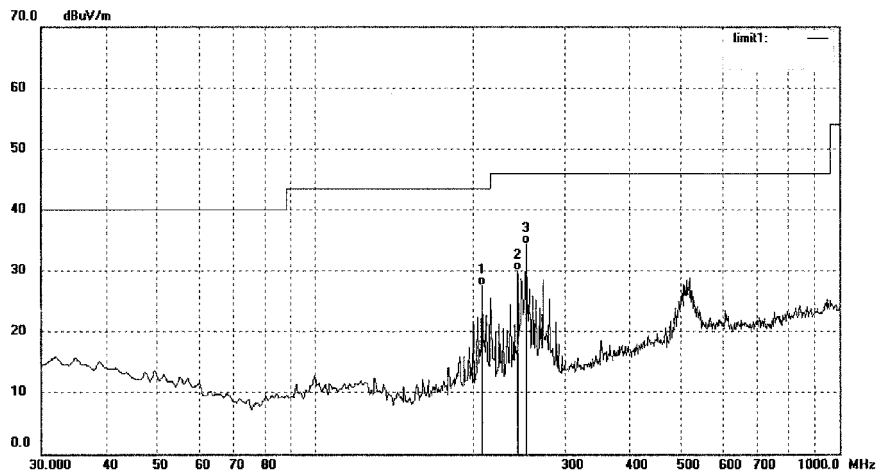
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|-------------------------|
| Job No.: LAN2014 #1157 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2440MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 207.5099 | 41.71 | -14.07 | 27.64 | 43.50 | -15.86 | QP | | | |
| 2 | 243.4000 | 42.92 | -12.87 | 30.05 | 46.00 | -15.95 | QP | | | |
| 3 | 252.1299 | 47.27 | -12.81 | 34.46 | 46.00 | -11.54 | QP | | | |

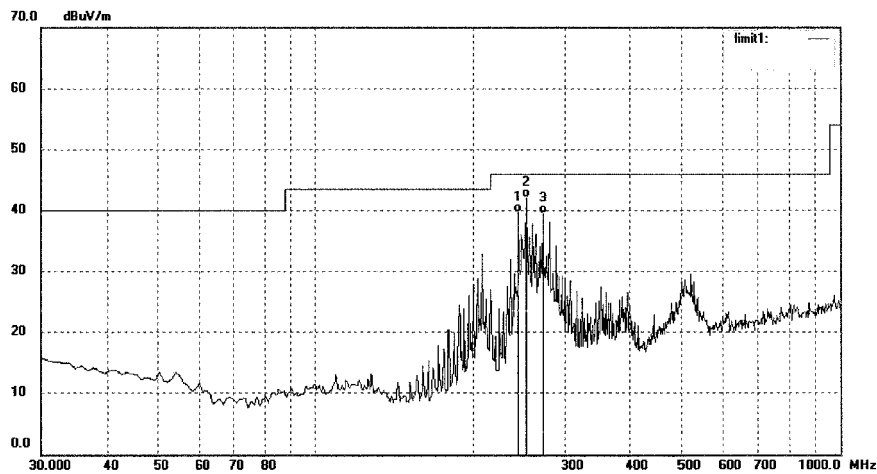

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| | |
|--|--------------------------|
| Job No.: LAN2014 #1159 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 243.4000 | 52.44 | -12.87 | 39.57 | 46.00 | -6.43 | QP | | | |
| 2 | 252.1300 | 54.82 | -12.81 | 42.01 | 46.00 | -3.99 | QP | | | |
| 3 | 271.5299 | 51.77 | -12.29 | 39.48 | 46.00 | -6.52 | QP | | | |


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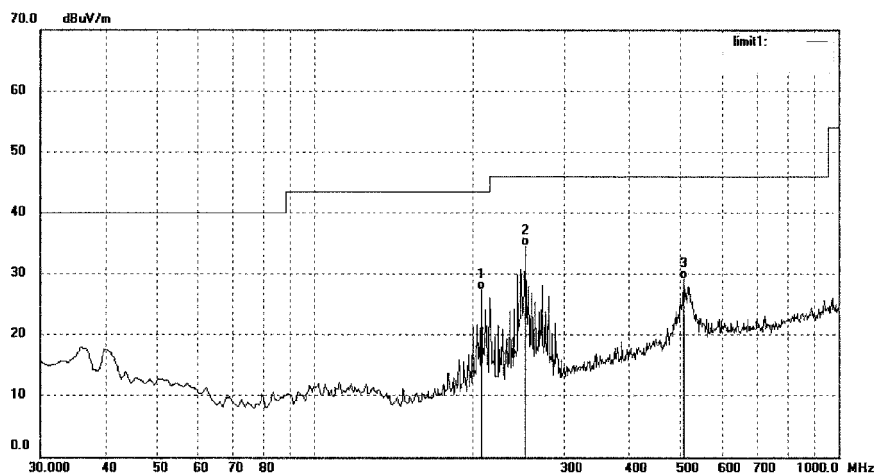
Site: 2# Chamber

Tel:+86-0755-26503290

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| | |
|--|-------------------------|
| Job No.: LAN2014 #1158 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014/10/17 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



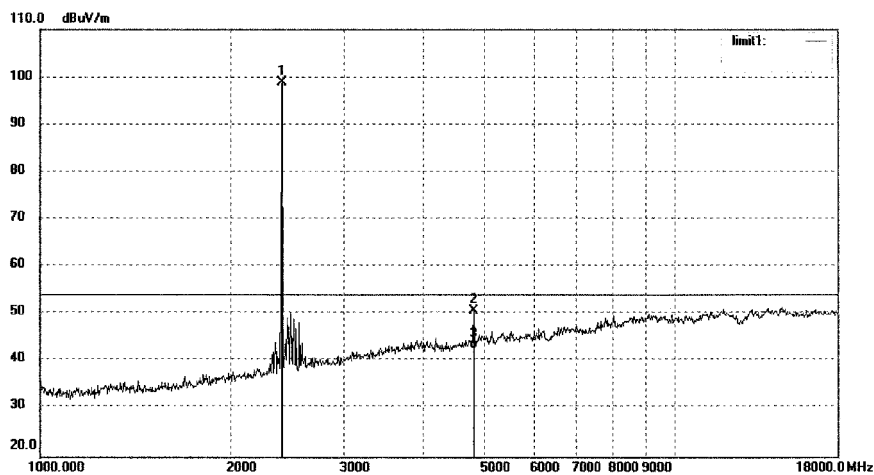
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 207.5099 | 41.39 | -14.07 | 27.32 | 43.50 | -16.18 | QP | | | |
| 2 | 252.1299 | 47.33 | -12.81 | 34.52 | 46.00 | -11.48 | QP | | | |
| 3 | 508.2099 | 37.10 | -7.88 | 29.22 | 46.00 | -16.78 | QP | | | |


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| | |
|--|--------------------------|
| Job No.: LAN2014 #1164 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



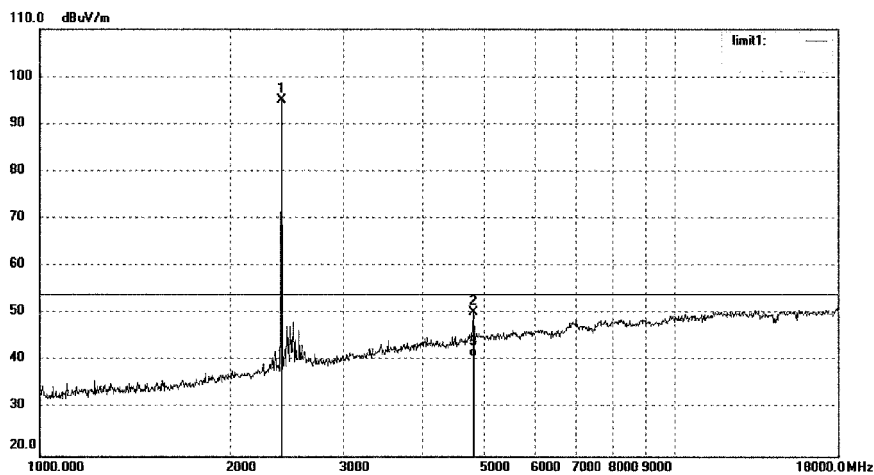
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2402.000 | 106.23 | -7.45 | 98.78 | / | / | peak | | | |
| 2 | 4804.010 | 51.03 | -0.30 | 50.73 | 74.00 | -23.27 | peak | | | |
| 3 | 4804.010 | 42.97 | -0.30 | 42.67 | 54.00 | -11.33 | AVG | | | |


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| | |
|--|-------------------------|
| Job No.: LAN2014 #1165 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



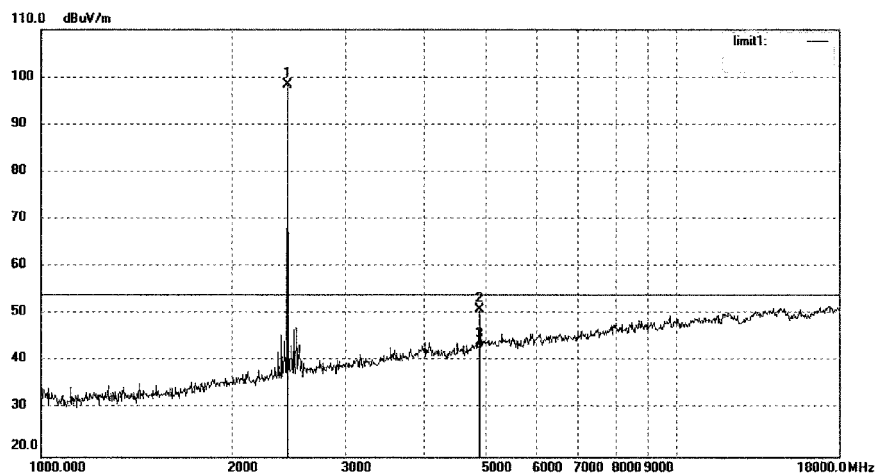
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2402.000 | 102.56 | -7.45 | 95.11 | / | / | peak | | | |
| 2 | 4804.021 | 50.63 | -0.30 | 50.33 | 74.00 | -23.67 | peak | | | |
| 3 | 4804.021 | 41.04 | -0.30 | 40.74 | 54.00 | -13.26 | AVG | | | |


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

| | |
|--|--------------------------|
| Job No.: LAN2014 #1167 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2440MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



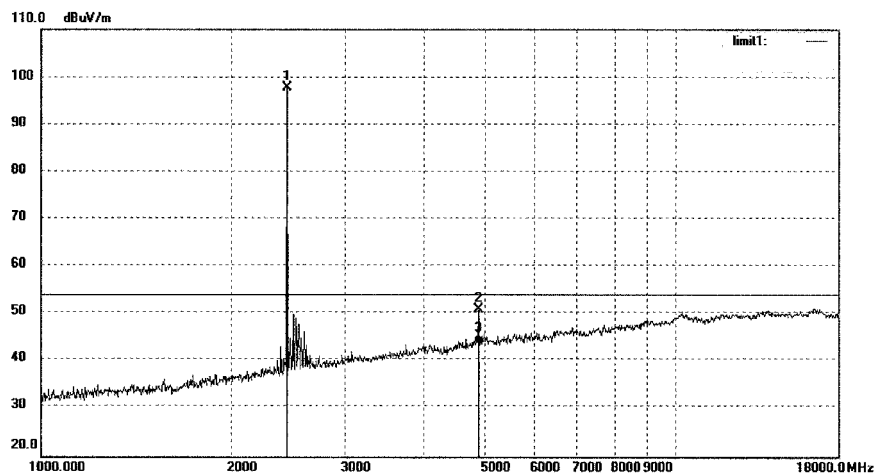
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2440.000 | 105.73 | -7.36 | 98.37 | / | / | peak | | | |
| 2 | 4880.028 | 50.70 | 0.13 | 50.83 | 74.00 | -23.17 | peak | | | |
| 3 | 4880.028 | 42.58 | 0.13 | 42.71 | 54.00 | -11.29 | AVG | | | |


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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1166 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2440MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 105.04 | -7.36 | 97.68 | / | / | peak | | | |
| 2 | 4880.033 | 50.72 | 0.13 | 50.85 | 74.00 | -23.15 | peak | | | |
| 3 | 4880.033 | 43.51 | 0.13 | 43.64 | 54.00 | -10.36 | AVG | | | |

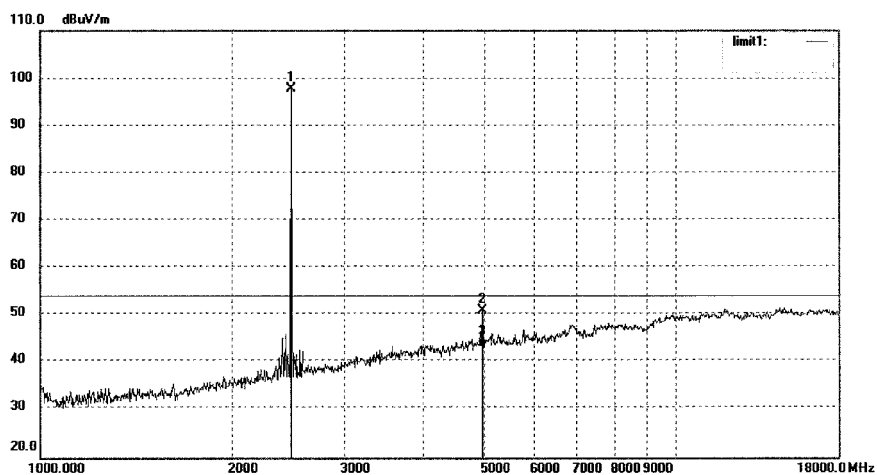

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 Site: 2# Chamber
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 Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1168 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



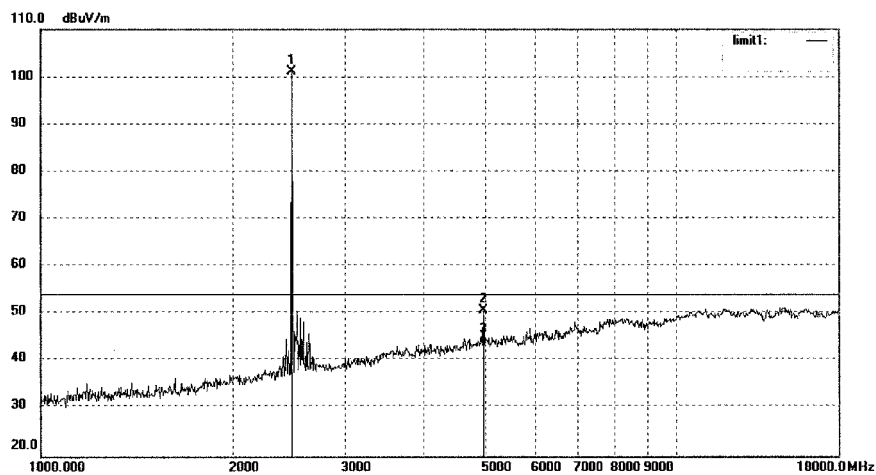
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2480.000 | 105.14 | -7.37 | 97.77 | / | / | peak | | | |
| 2 | 4960.037 | 50.36 | 0.52 | 50.88 | 74.00 | -23.12 | peak | | | |
| 3 | 4960.037 | 42.67 | 0.52 | 43.19 | 54.00 | -10.81 | AVG | | | |


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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1169 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 108.57 | -7.37 | 101.20 | / | / | peak | | | |
| 2 | 4960.028 | 50.26 | 0.52 | 50.78 | 74.00 | -23.22 | peak | | | |
| 3 | 4960.028 | 43.05 | 0.52 | 43.57 | 54.00 | -10.43 | AVG | | | |


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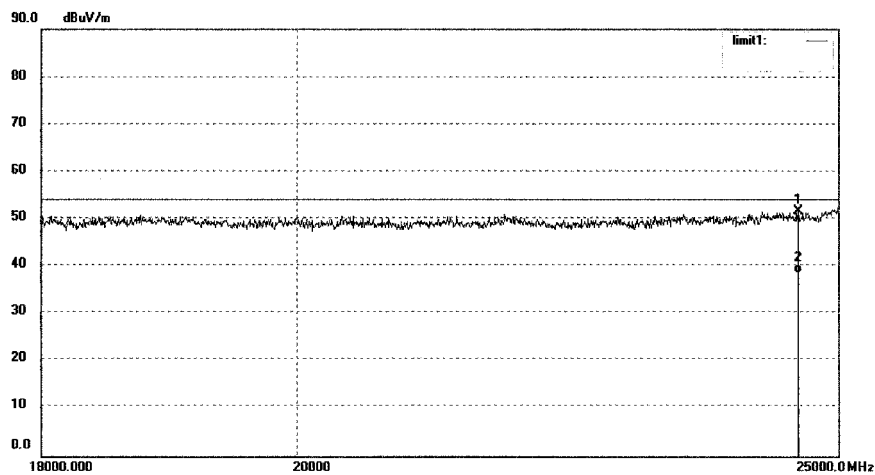
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1181 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



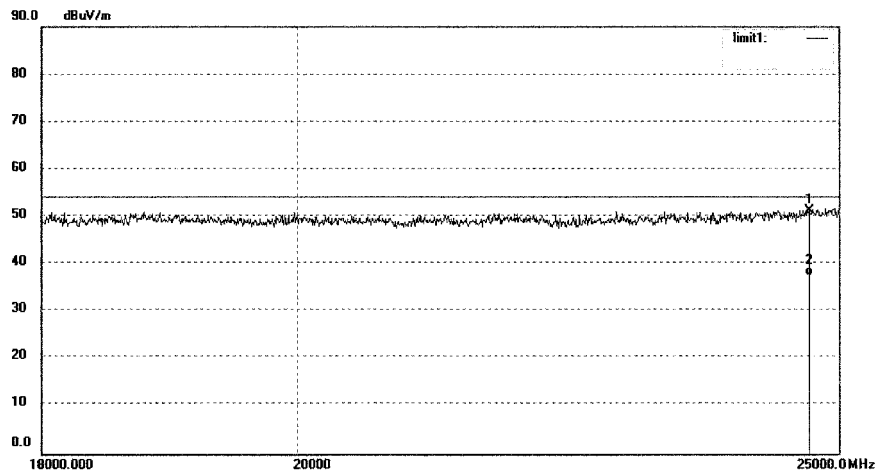
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24591.914 | 33.40 | 18.33 | 51.73 | 74.00 | -22.27 | peak | | | |
| 2 | 24591.914 | 20.15 | 18.33 | 38.48 | 54.00 | -15.52 | AVG | | | |


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

| | |
|--|-------------------------|
| Job No.: LAN2014 #1180 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



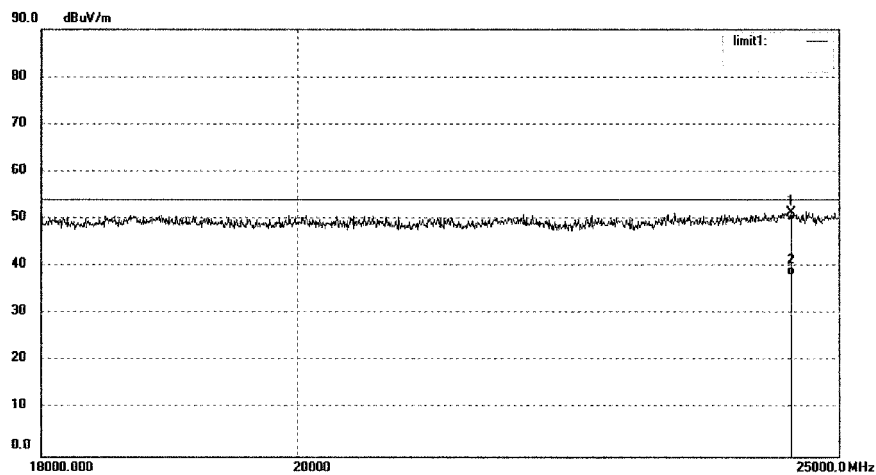
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24697.371 | 32.80 | 18.48 | 51.28 | 74.00 | -22.72 | peak | | | |
| 2 | 24697.371 | 18.99 | 18.48 | 37.47 | 54.00 | -16.53 | AVG | | | |


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

| | |
|--|--------------------------|
| Job No.: LAN2014 #1182 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2440MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 24519.170 | 33.19 | 18.23 | 51.42 | 74.00 | -22.58 | peak | | | |
| 2 | 24519.170 | 19.87 | 18.23 | 38.10 | 54.00 | -15.90 | AVG | | | |


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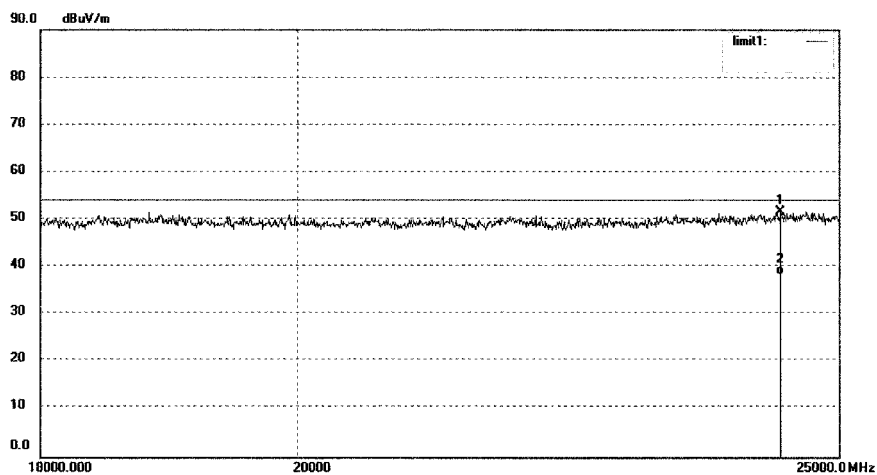
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Site: 2# Chamber

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| | |
|--|-------------------------|
| Job No.: LAN2014 #1183 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2440MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note: Bluetooth 4.0



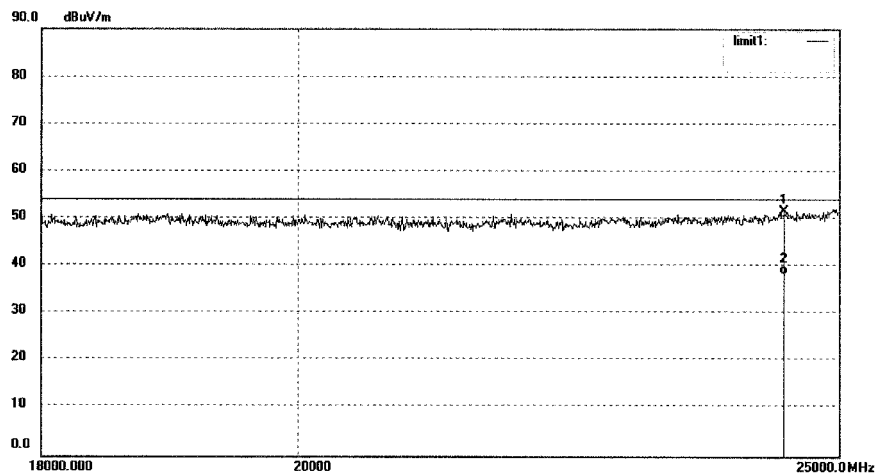
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 24414.474 | 33.62 | 17.99 | 51.61 | 74.00 | -22.39 | peak | | | |
| 2 | 24414.474 | 20.39 | 17.99 | 38.38 | 54.00 | -15.62 | AVG | | | |


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 Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1185 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 24446.640 | 33.65 | 18.07 | 51.72 | 74.00 | -22.28 | peak | | | |
| 2 | 24446.640 | 20.31 | 18.07 | 38.38 | 54.00 | -15.62 | AVG | | | |


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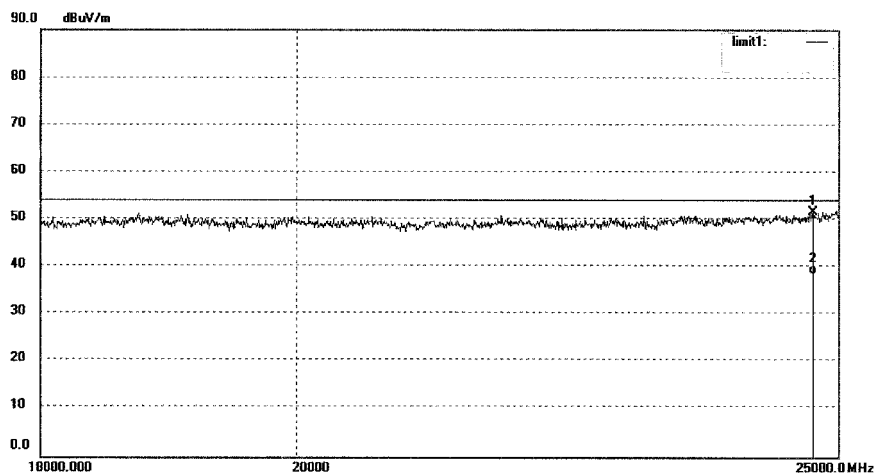
Site: 2# Chamber

Tel:+86-0755-26503290

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| | |
|--|-------------------------|
| Job No.: LAN2014 #1184 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

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 | 24746.196 | 33.18 | 18.54 | 51.72 | 74.00 | -22.28 | peak | | | |
| 2 | 24746.196 | 19.96 | 18.54 | 38.50 | 54.00 | -15.50 | AVG | | | |

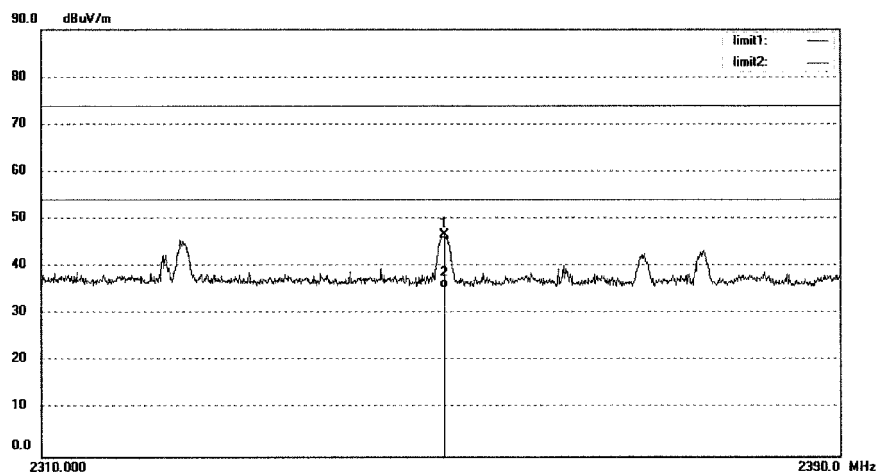
Test Plot of Frequency Band Edge


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| | |
|--|--------------------------|
| Job No.: LAN2014 #1111 | Polarization: Horizontal |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test Item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2350.080 | 54.46 | -7.79 | 46.67 | 74.00 | -27.33 | peak | | | |
| 2 | 2350.080 | 43.28 | -7.79 | 35.49 | 54.00 | -18.51 | AVG | | | |


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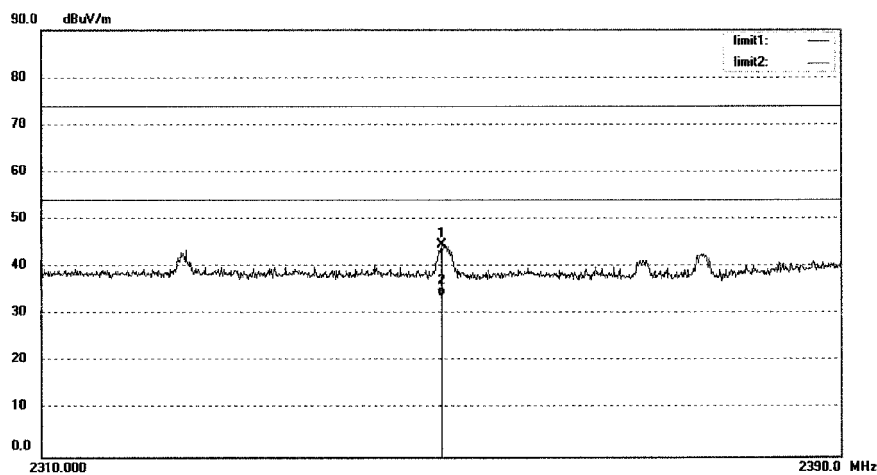
Site: 2# Chamber

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| | |
|--|-------------------------|
| Job No.: LAN2014 #1109 | Polarization: Vertical |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



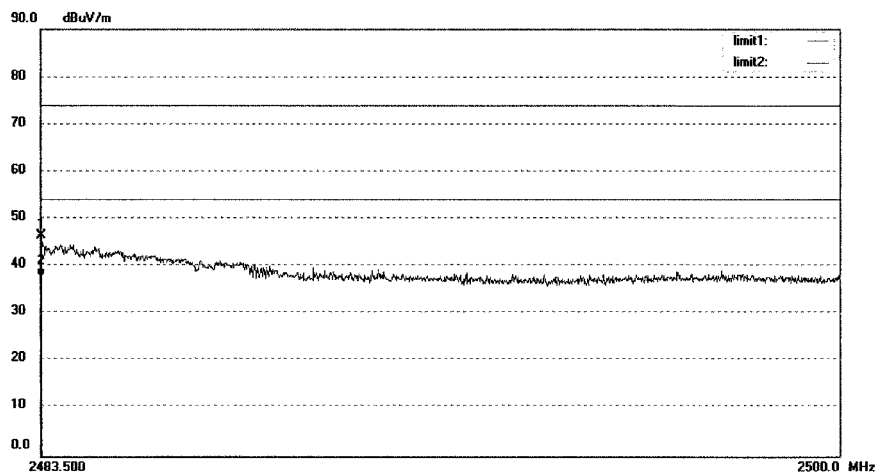
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2349.680 | 52.51 | -7.79 | 44.72 | 74.00 | -29.28 | peak | | | |
| 2 | 2349.680 | 41.67 | -7.79 | 33.88 | 54.00 | -20.12 | AVG | | | |


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| | |
|--|--------------------------|
| Job No.: LAN2014 #1117 | Polarization: Horizontal |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



| 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 | 53.79 | -7.37 | 46.42 | 74.00 | -27.58 | peak | | | |
| 2 | 2483.500 | 45.34 | -7.37 | 37.97 | 54.00 | -16.03 | AVG | | | |


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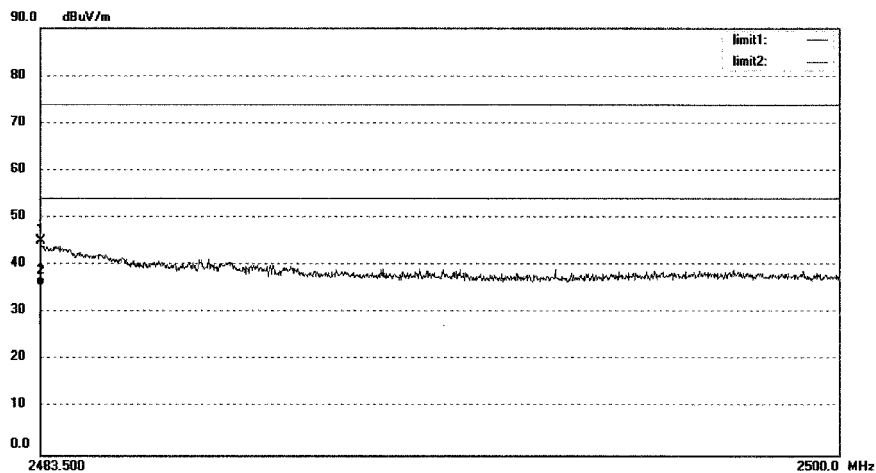
Site: 2# Chamber

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| | |
|--|-------------------------|
| Job No.: LAN2014 #1119 | Polarization: Vertical |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 14/10/16/ |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



| 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 | 52.51 | -7.37 | 45.14 | 74.00 | -28.86 | peak | | | |
| 2 | 2483.500 | 43.08 | -7.37 | 35.71 | 54.00 | -18.29 | AVG | | | |


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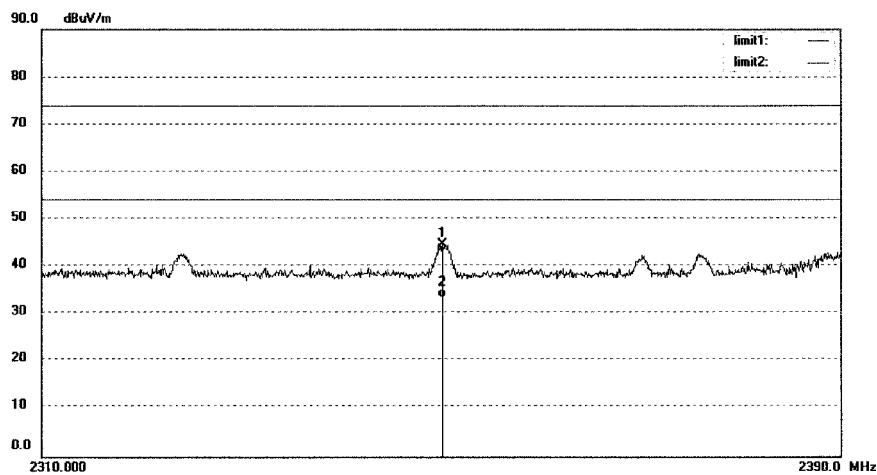
Site: 2# Chamber

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| | |
|--|--------------------------|
| Job No.: LAN2014 #1171 | Polarization: Horizontal |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2349.840 | 52.38 | -7.79 | 44.59 | 74.00 | -29.41 | peak | | | |
| 2 | 2349.840 | 41.23 | -7.79 | 33.44 | 54.00 | -20.56 | AVG | | | |


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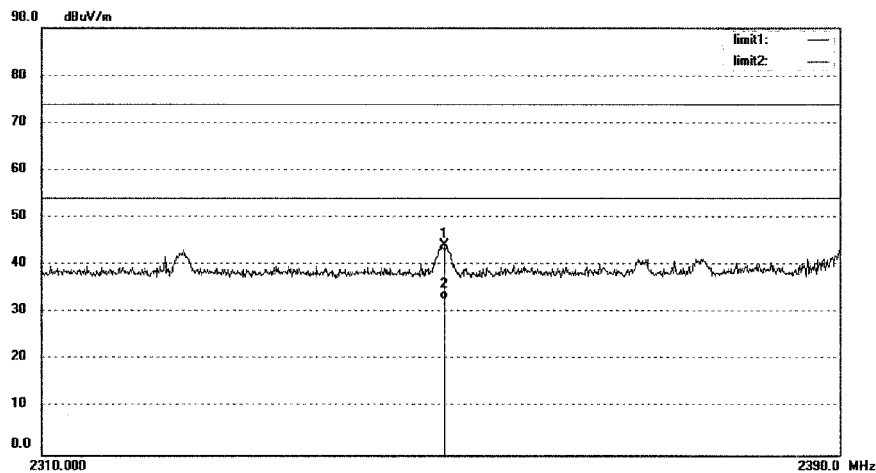
Site: 2# Chamber

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| | |
|--|-------------------------|
| Job No.: LAN2014 #1170 | Polarization: Vertical |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2402MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2350.080 | 51.98 | -7.79 | 44.19 | 74.00 | -29.81 | peak | | | |
| 2 | 2350.080 | 40.57 | -7.79 | 32.78 | 54.00 | -21.22 | AVG | | | |

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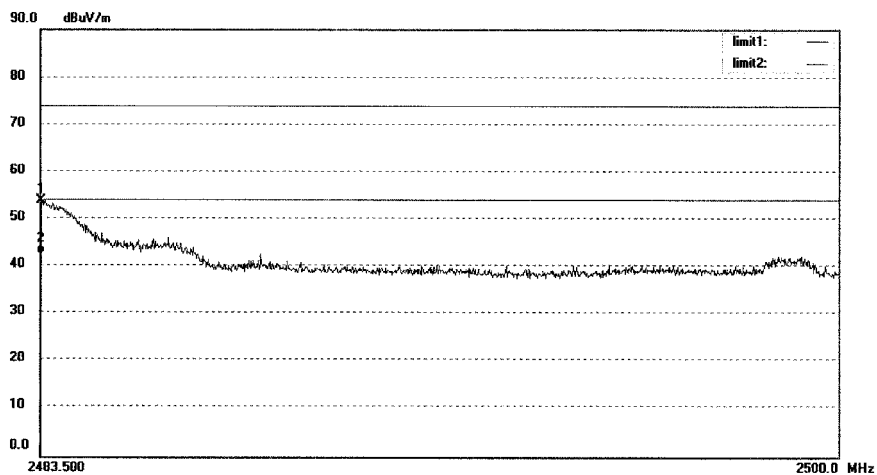
Site: 2# Chamber

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Fax:+86-0755-26503396

| | |
|--|--------------------------|
| Job No.: LAN2014 #1172 | Polarization: Horizontal |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



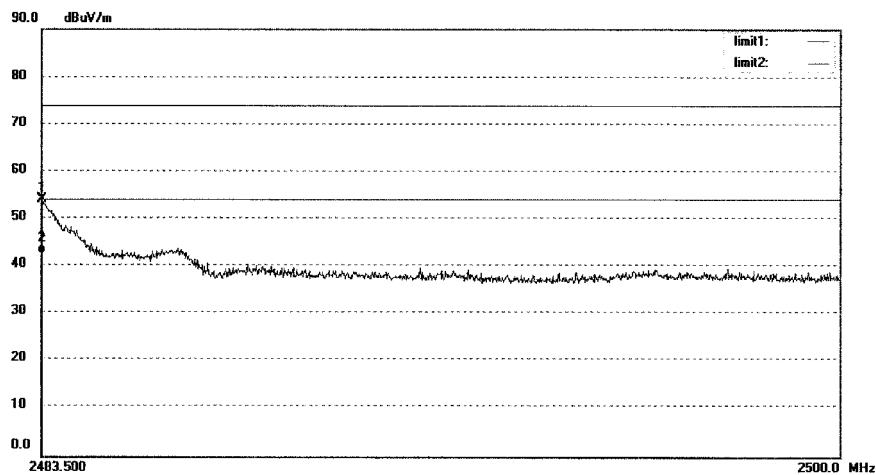
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 2483.500 | 61.30 | -7.37 | 53.93 | 74.00 | -20.07 | peak | | | |
| 2 | 2483.500 | 49.95 | -7.37 | 42.58 | 54.00 | -11.42 | AVG | | | |


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| | |
|--|-------------------------|
| Job No.: LAN2014 #1173 | Polarization: Vertical |
| Standard: FCC (Band Edge) | Power Source: DC 3.7V |
| Test item: Radiation Test | Date: 2014-10-22 |
| Temp.(C)/Hum.(%) 23 C / 48 % | Time: |
| EUT: Hipper-B | Engineer Signature: PEI |
| Mode: TX 2480MHz | Distance: 3m |
| Model: MG-BTS01 | |
| Manufacturer: Compupal (Group) Corporation | |

Note:



| 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 | 61.40 | -7.37 | 54.03 | 74.00 | -19.97 | peak | | | |
| 2 | 2483.500 | 50.02 | -7.37 | 42.65 | 54.00 | -11.35 | AVG | | | |

5.1.8 Frequency Separation

RESULT:
Pass

Date of testing : 2014-10-16
 Test standard : FCC part 15.247(a)(1)
 Basic standard : ANSI C63.4: 2003
 Limit : $\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth,
 whichever is greater
 Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 14: Test result of Frequency Separation

| Channel | Channel Frequency (MHz) | Measured Channel Separation (MHz) | Limit (kHz) | Result |
|-------------------|-------------------------|-----------------------------------|---|--------|
| Low Channel | 2402 | 1.002 | $\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth | Pass |
| Adjacency Channel | 2403 | | | |
| Mid Channel | 2441 | 1.002 | $\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth | Pass |
| Adjacency Channel | 2442 | | | |
| High Channel | 2479 | 1.002 | $\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth | Pass |
| Adjacency Channel | 2480 | | | |

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5.1.9 Number of hopping frequency

RESULT:**Pass**

Date of testing : 2014-10-16
Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.4: 2003
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 15: Test result of Number of hopping frequency

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

5.1.10 Time of Occupancy

RESULT:
Pass

Date of testing : 2014-10-16
 Test standard : FCC part 15.247(a)(1)(iii)
 Basic standard : ANSI C63.4: 2003
 Limits : 0.4s
 Kind of test site : Shield room

Test setup

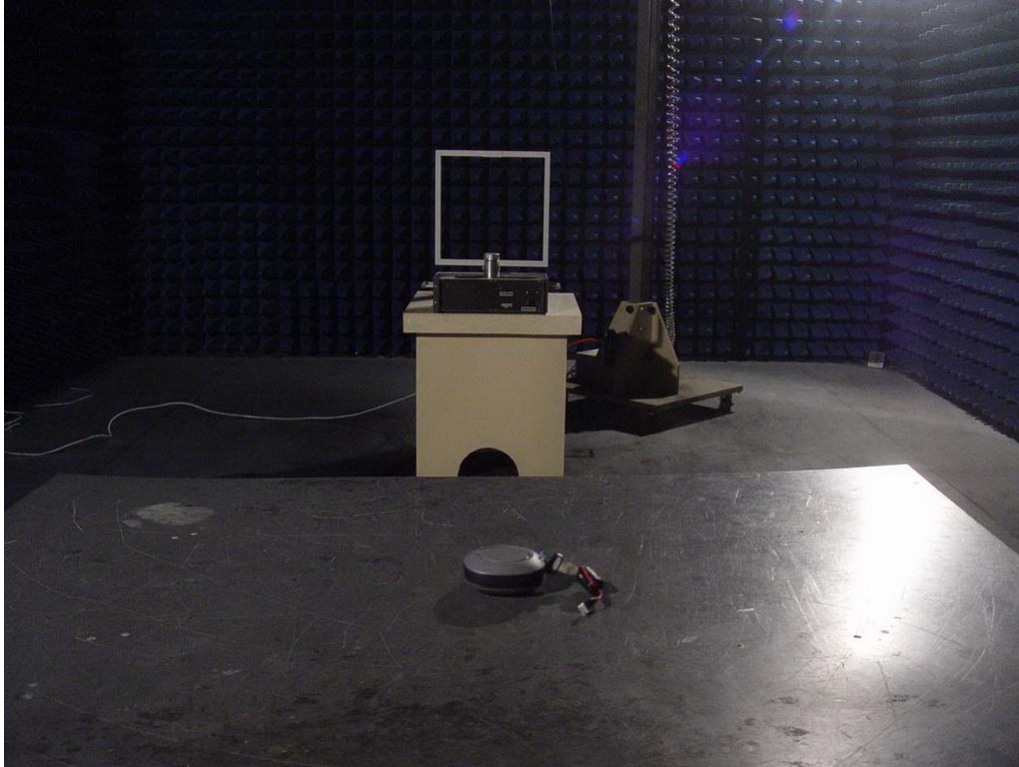
Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 16: Test result of Time of Occupancy

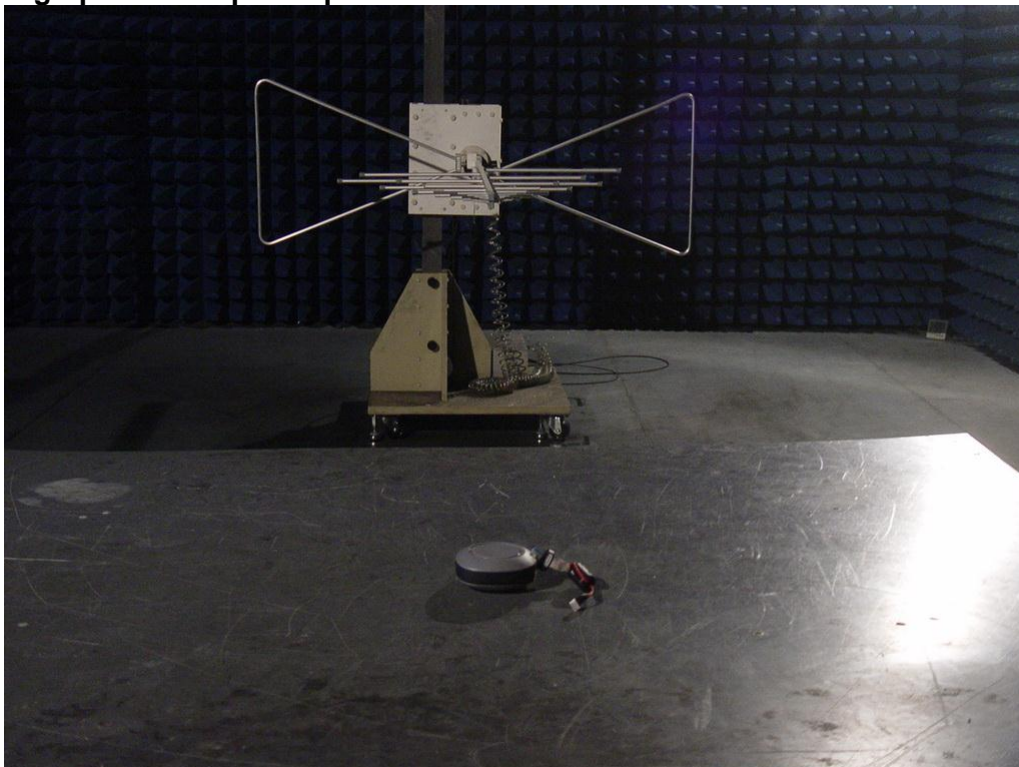
| Mode | Packet Type | Channel Frequency (MHz) | Packet Duration [ms] | Number of Hops per Channel | Dwell Time (ms) | Limit [ms] |
|------|-------------|-------------------------|----------------------|----------------------------|-----------------|------------|
| BDR | DH1 | 2402 | 0.426 | 322 | 137.172 | 400 |
| | | 2441 | 0.435 | 322 | 140.070 | 400 |
| | | 2480 | 0.449 | 323 | 145.027 | 400 |
| | DH3 | 2402 | 1.710 | 166 | 283.860 | 400 |
| | | 2441 | 1.710 | 165 | 282.160 | 400 |
| | | 2480 | 1.710 | 165 | 282.160 | 400 |
| | DH5 | 2402 | 2.978 | 113 | 336.514 | 400 |
| | | 2441 | 2.957 | 112 | 331.184 | 400 |
| | | 2480 | 2.978 | 113 | 336.514 | 400 |
| EDR | DH1 | 2402 | 0.449 | 322 | 144.578 | 400 |
| | | 2441 | 0.449 | 323 | 145.027 | 400 |
| | | 2480 | 0.449 | 322 | 144.578 | 400 |
| | DH3 | 2402 | 1.725 | 165 | 284.625 | 400 |
| | | 2441 | 1.725 | 165 | 284.625 | 400 |
| | | 2480 | 1.725 | 166 | 286.350 | 400 |
| | DH5 | 2402 | 2.978 | 112 | 333.536 | 400 |
| | | 2441 | 3.000 | 112 | 336.000 | 400 |
| | | 2480 | 2.978 | 111 | 330.558 | 400 |

6. Photographs of the Test Set-Up

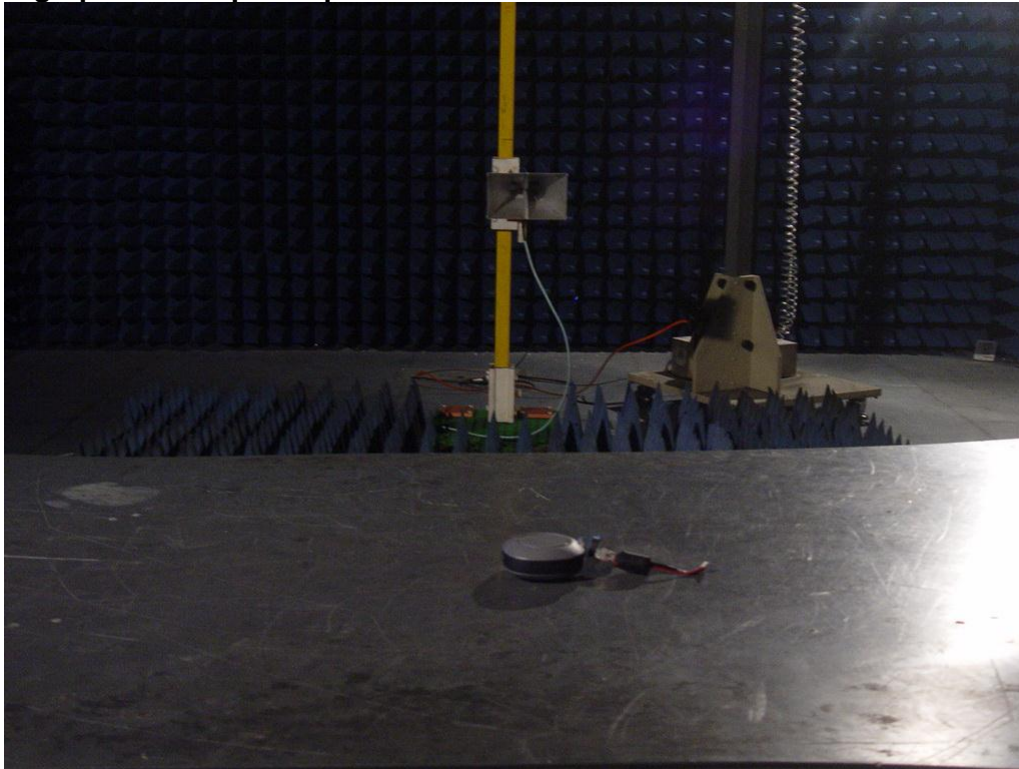
Photograph 1: Set-up for Spurious Emissions for below 30MHz



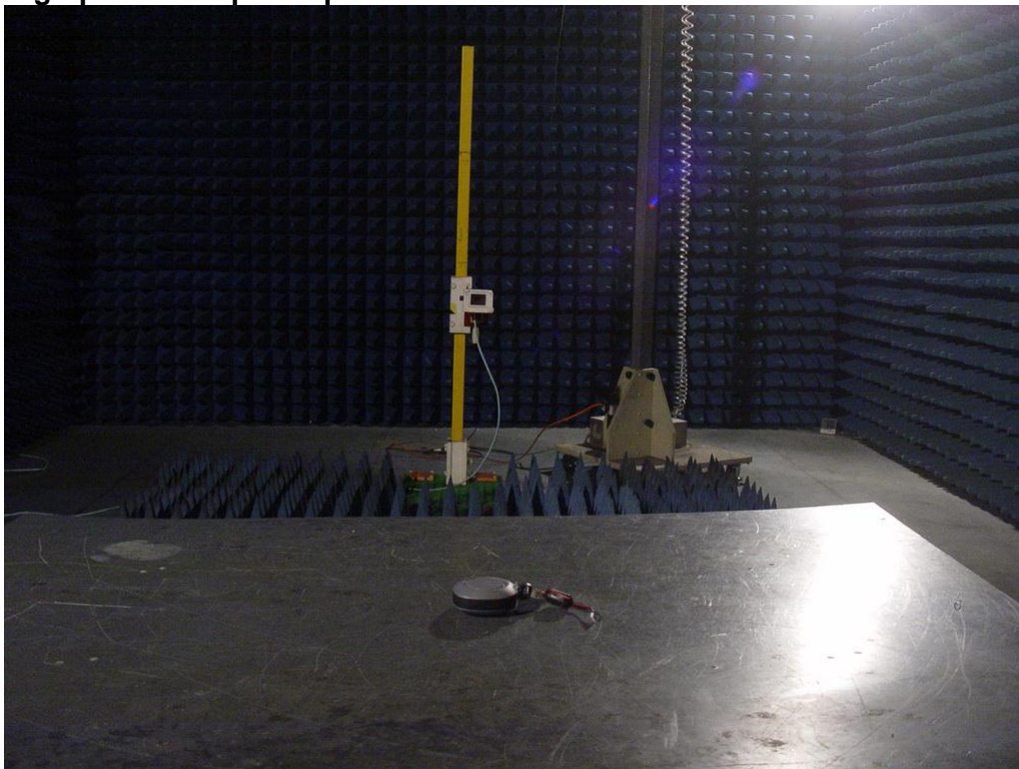
Photograph 2: Set-up for Spurious Emissions for 30 - 1000MHz



Photograph 3: Set-up for Spurious Emissions for 1 - 18GHz



Photograph 4: Set-up for Spurious Emissions for 18 - 26.5GHz



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