

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             |                                                                                                                                                   |                                                                                            |                                              |                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>50065134 001</b>                                                                                                         | <b>Auftrags-Nr.:</b><br><i>Order No.:</i>                                                                                                         | <b>164074023</b>                                                                           | <b>Seite 1 von 16</b><br><i>Page 1 of 16</i> |                                         |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>N/A</b>                                                                                                                  | <b>Auftragsdatum:</b><br><i>Order date.:</i>                                                                                                      | <b>14.09.2016</b>                                                                          |                                              |                                         |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>BRON ELEKTRONIK AG</b><br>Hagmattstrasse 7, 4123 Allschwil, Switzerland                                                  |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>WIRELESS FLASH TRIGGER TRANSCEIVER</b>                                                                                   |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>RFS2.2C, RFS2.2N, RFS2.2S</b>                                                                                            |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FCC and IC approval</b>                                                                                                  |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CFR47 FCC Part 15: Subpart B Section 15.107<br>CFR47 FCC Part 15: Subpart B Section 15.109<br>ICES-003 Issue 6 January 2016 |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Wareneingangsdatum:</b><br><i>Date of receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>21.09.2016</b>                                                                                                           | <b>Please refer to photo documents</b>                                                                                                            |                                                                                            |                                              |                                         |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>A000417468-001</b>                                                                                                       |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>16.11.2016 - 19.11.2016</b>                                                                                              |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Accurate Technology Co., Ltd.</b>                                                                                        |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>                                                                                   |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Pass</b>                                                                                                                 |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>geprüft von / tested by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             | <b>kontrolliert von / reviewed by:</b>                                                                                                            |                                                                                            |                                              |                                         |
| <br><b>03.07.2017</b> <b>Andy Yan / Project Manager</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             | <br><b>03.07.2017</b> <b>Owen Tian / Technical Certifier</b> |                                                                                            |                                              |                                         |
| <b>Datum</b><br><i>Date</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Name/Stellung</b><br><i>Name/Position</i>                                                                                | <b>Unterschrift</b><br><i>Signature</i>                                                                                                           | <b>Datum</b><br><i>Date</i>                                                                | <b>Name/Stellung</b><br><i>Name/Position</i> | <b>Unterschrift</b><br><i>Signature</i> |
| <b>Sonstiges / Other:</b> For model difference information refer to clause 3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>FCC ID:</b> RW3RFS2216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                             |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>IC:</b> 22086-RFS2216 <b>HVIN:</b> RFS2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                             |                                                                                                                                                   | <b>Prüfmuster vollständig und unbeschädigt</b><br><i>Test item complete and undamaged:</i> |                                              |                                         |
| * Legende:    1 = sehr gut                      2 = gut                      3 = befriedigend                      4 = ausreichend                      5 = mangelhaft<br>P(ass) = entspricht o.g. Prüfgrundlage(n)    F(ail) = entspricht nicht o.g. Prüfgrundlage(n)    N/A = nicht anwendbar    N/T = nicht getestet<br>Legend:    1 = very good                      2 = good                      3 = satisfactory                      4 = sufficient                      5 = poor<br>P(ass) = passed a.m. test specifications(s)    F(ail) = failed a.m. test specifications(s)    N/A = not applicable    N/T = not tested |                                                                                                                             |                                                                                                                                                   |                                                                                            |                                              |                                         |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br><i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>                                                                                                                                                                          |                                                                                                                             |                                                                                                                                                   |                                                                                            |                                              |                                         |

V04

**Prüfbericht - Nr.: 50065134 001**  
*Test Report No.*

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## ***Test Summary***

**5.1.1 CONDUCTED EMISSION**

*RESULT: Pass*

**5.1.2 RADIATED EMISSION**

*RESULT: Pass*

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# 1 General Remarks

## 1.1 Complementary Materials

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

Appendix A: Test Results of Conducted Emission and Radiated Emission

# 2 Test Sites

## 2.1 Test Facilities

**Accurate Technology Co., Ltd.**

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

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

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

## 2.2 List of Test and Measurement Instruments

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

**Accurate Technology Co., Ltd.**

| <b>Radiated Emission</b>  |                      |                  |                   |                   |
|---------------------------|----------------------|------------------|-------------------|-------------------|
| <b>Equipment</b>          | <b>Manufacturer</b>  | <b>Model No.</b> | <b>Serial No.</b> | <b>Cal. Until</b> |
| Spectrum Analyzer         | R&S                  | FSV40            | 101495            | 09.01.2017        |
| Test Receiver             | R&S                  | ESCS30           | 100307            | 09.01.2017        |
| Bilog Antenna             | Schwarzbeck          | VULB9163         | 9163-323          | 14.01.2017        |
| Horn Antenna              | Schwarzbeck          | BBHA9120D        | 9120D-655         | 14.01.2017        |
| RF Switching Unit+PreAMP  | Compliance Direction | RSU-M2           | 38322             | 09.01.2017        |
| Pre-Amplifier             | R&S                  | CBLU11835 40-01  | 3791              | 09.01.2017        |
| 50 Coaxial Switch         | Anritsu Corp         | MP59B            | 6200506474        | 09.01.2017        |
| RF Coaxial Cable          | SUHNER               | N-3m             | No.8              | 09.01.2017        |
| RF Coaxial Cable          | RESENBERGER          | N-3.5m           | No.9              | 09.01.2017        |
| RF Coaxial Cable          | SUHNER               | N-6m             | No.10             | 09.01.2017        |
| RF Coaxial Cable          | RESENBERGER          | N-12m            | No.11             | 09.01.2017        |
| 50_ Coaxial Switch        | Anritsu Corp         | MP59B            | 6200283933        | 09.01.2017        |
| <b>Conducted Emission</b> |                      |                  |                   |                   |
| <b>Equipment</b>          | <b>Manufacturer</b>  | <b>Model No.</b> | <b>Serial No.</b> | <b>Cal. Until</b> |
| Test Receiver             | R&S                  | ESCS30           | 100307            | 09.01.2017        |
| L.I.S.N.                  | R&S                  | NLSK8126         | 8126431           | 09.01.2017        |
| 50Ω Coaxial Switch        | Anritsu              | MP59B            | 6200283933        | 09.01.2017        |

## 2.3 Traceability

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

## 2.4 Calibration

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

## 2.5 Measurement Uncertainty

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

| Item                              |                               | Extended Uncertainty         |
|-----------------------------------|-------------------------------|------------------------------|
| Conducted Emission                |                               | $\pm 3.0$ dB                 |
| Radiated Emission (9kHz-30MHz)    | Field strength (dB $\mu$ V/m) | U=3.08dB, k=2, $\sigma$ =95% |
| Radiated Emission (30-1000MHz)    | Field strength (dB $\mu$ V/m) | U=4.42dB, k=2, $\sigma$ =95% |
| Radiated Emission (above 1000MHz) | Field strength (dB $\mu$ V/m) | U=4.06dB, k=2, $\sigma$ =95% |

## 2.6 Location of Original Data

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

## 2.7 Status of Facility Used for Testing

The Accurate Technology Co., Ltd. Test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen, 518057, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

## 3 General Product Information

### 3.1 Product Function and Intended Use

The EUT is a wireless flash trigger transceiver operating in 2.4GHz ISM frequency band.

The models difference information:

| Model   | Difference Description                                                                                                                            |                                  |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| RFS2.2C | All three models are the same with each other in hardware and electronic aspect except the minor changes in connector port with different camera. | Connect with the camera of CANON |
| RFS2.2N |                                                                                                                                                   | Connect with the camera of NIKON |
| RFS2.2S |                                                                                                                                                   | Connect with the camera of SONY  |

All three models have been tested and reported.

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

### 3.2 Ratings and System Details

Table 2: Technical Specification of EUT

| General Information of EUT                   | Value                                                                                                                        |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Kind of Equipment                            | WIRELESS FLASH TRIGGER TRANSCEIVER                                                                                           |
| Type Designation                             | RFS2.2C, RFS2.2N, RFS2.2S                                                                                                    |
| Trade Mark                                   | broncolor                                                                                                                    |
| FCC ID                                       | RW3RFS2216                                                                                                                   |
| IC / HVIN                                    | 22086-RFS2216 / RFS2.2                                                                                                       |
| Operating Temperature Range                  | -5 °C ~ +50 °C                                                                                                               |
| Frequency of highest digital internal source | Less than 1.2GHz                                                                                                             |
| Normal Operating Voltage                     | 2 x 1.5V AA batteries                                                                                                        |
| Testing Voltage                              | 2 x 1.5V AA new batteries+ PC USB Port for Transfer data Mode A.1<br>2 x 1.5V AA new batteries for Normal Operating Mode A.2 |

### 3.3 Independent Operation Modes

The basic operation modes are:

- A.1 On, Transfer data with PC
- A.2 On, Normal working with Camera

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

### 3.5 Submitted Documents

- |                    |                                  |
|--------------------|----------------------------------|
| - Application Form | - FCC/IC Label and Location Info |
| - Block Diagram    | - Photo Document                 |
| - User Manual      |                                  |



## 4 Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

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

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2014.

### 4.3 Special Accessories and Auxiliary Equipment

Table 3: List of Accessories and Auxiliary Equipment

| Description     | Manufacturer | Model            | S/N          | Rating          |
|-----------------|--------------|------------------|--------------|-----------------|
| Notebook PC     | Lenovo       | ThinkPad X240    | N/A          | N/A             |
| Printer         | HP           | HP laserjet 1015 | CNFG030424   | N/A             |
| USB Cable       | N/A          | N/A              | N/A          | 100cm, shielded |
| THINKLITE Flash | GODOX        | TT520II          | --           | --              |
| Digital Camera  | NIKON        | D3000            | 9006490      | --              |
| Digital Camera  | SONY         | SLT-A58          | 2025639      | --              |
| Digital Camera  | CANON        | EOS1100D         | 084062166483 | --              |

### 4.4 Countermeasures to Achieve EMC Compliance

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

No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

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

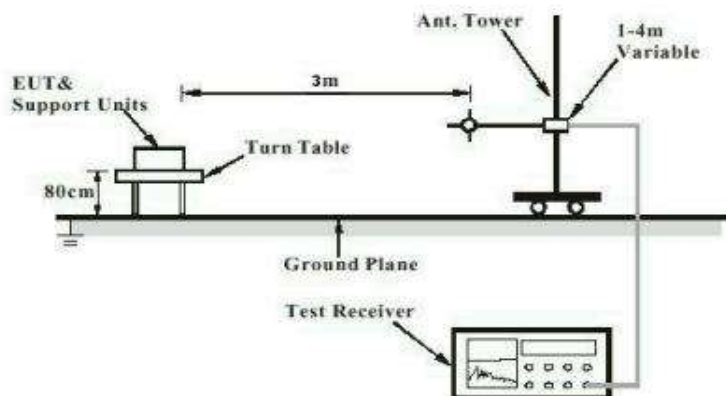


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

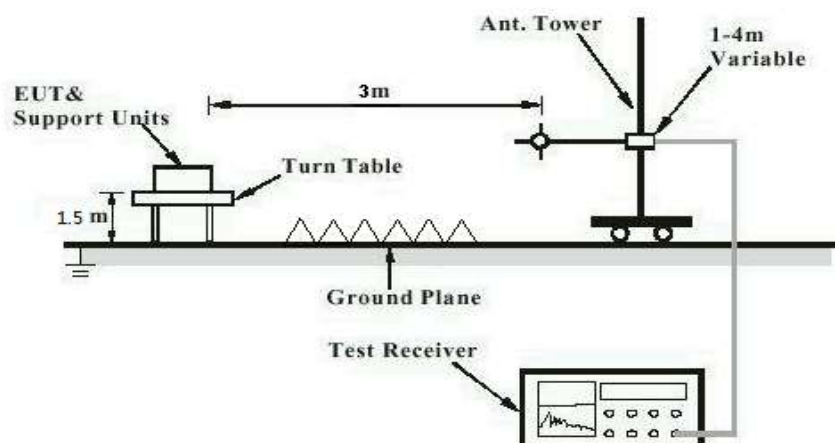
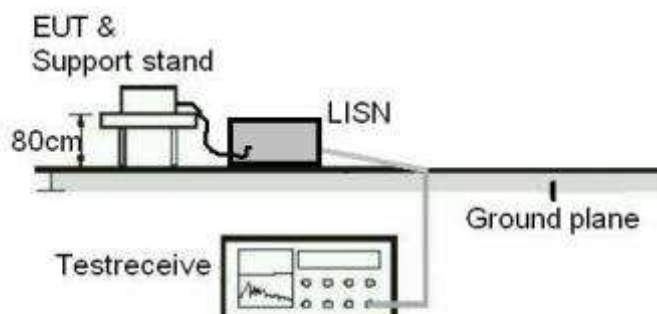


Diagram of Measurement Configuration for Mains Conduction Measurement



## 5 Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Conducted Emission

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

|                   |                                          |
|-------------------|------------------------------------------|
| Test standard     | : FCC Part 15.107(a)<br>ICES-003         |
| Basic standard    | : ANSI C63.4: 2014                       |
| Frequency range   | : 0.15 – 30MHz                           |
| Limits            | : FCC Part 15.107(a)<br>ICES-003 Table 2 |
| Kind of test site | : Shielded Room                          |

**Test Setup**

|                      |                                                                                |
|----------------------|--------------------------------------------------------------------------------|
| Date of testing      | : 19.11.2016                                                                   |
| Input voltage        | : 2 x 1.5V AA new batteries + PC USB port<br>(PC adapter with 120V/60Hz input) |
| Operation mode       | : A.1                                                                          |
| Earthing             | : Not connected                                                                |
| Ambient temperature  | : 23 °C                                                                        |
| Relative humidity    | : 48 %                                                                         |
| Atmospheric pressure | : 101 kPa                                                                      |

For the measurement records, refer to the Appendix A.

## 5.1.2 Radiated Emission

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

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

**Test Setup**

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Date of testing      | : 16.11.2016~18.11.2016<br>2 x 1.5V AA new batteries for Mode A.2                           |
| Input voltage        | : 2 x 1.5V AA new batteries + PC USB port for Mode A.1<br>(PC adapter with 120V/60Hz input) |
| Operation mode       | : A.1, A.2                                                                                  |
| Earthing             | : Not connected                                                                             |
| Ambient temperature  | : 23 °C                                                                                     |
| Relative humidity    | : 48 %                                                                                      |
| Atmospheric pressure | : 101 kPa                                                                                   |

For the measurement records, refer to the Appendix A.

## 7 List of Tables

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## **Appendix A**

### **Test Results of Conducted Emission and Radiated Emission**

## Appendix A.1: Test Plots of Conducted Emission

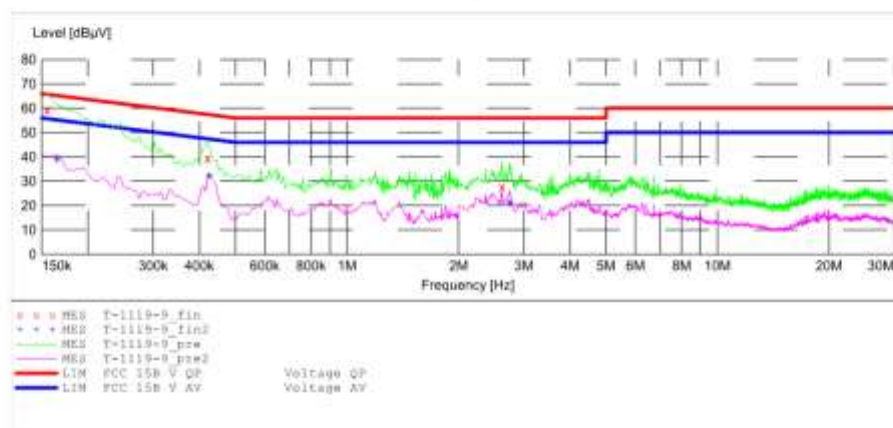
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: broncolor RFS2.2 M/N:RFS2.2N  
Manufacturer:  
Operating Condition: Transfer Data  
Test Site: 1#Shielding Room  
Operator: LGWADE  
Test Specification: N 120V/60Hz  
Comment: Mains Port  
Start of Test: 11/19/2016 /

SCAN TABLE: "V 9K-30MHz 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    | NSLK8126 2008 |
| 150.0 kHz | 30.0 MHz  | 5.0 kHz  | Average   | 1.0 s      | 9 kHz     | NSLK8126 2008 |



MEASUREMENT RESULT: "T-1119-9\_fin"

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.155000      | 59.50      | 10.5      | 66         | 6.2       | QP       | N    | GND |
| 0.420000      | 39.50      | 10.7      | 57         | 17.9      | QP       | N    | GND |
| 2.620000      | 27.60      | 11.0      | 56         | 28.4      | QP       | N    | GND |

MEASUREMENT RESULT: "T-1119-9\_fin2"

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.165000      | 38.90      | 10.5      | 55         | 16.3      | AV       | N    | GND |
| 0.425000      | 32.20      | 10.7      | 47         | 15.1      | AV       | N    | GND |
| 2.750000      | 21.10      | 11.0      | 46         | 24.9      | AV       | N    | GND |

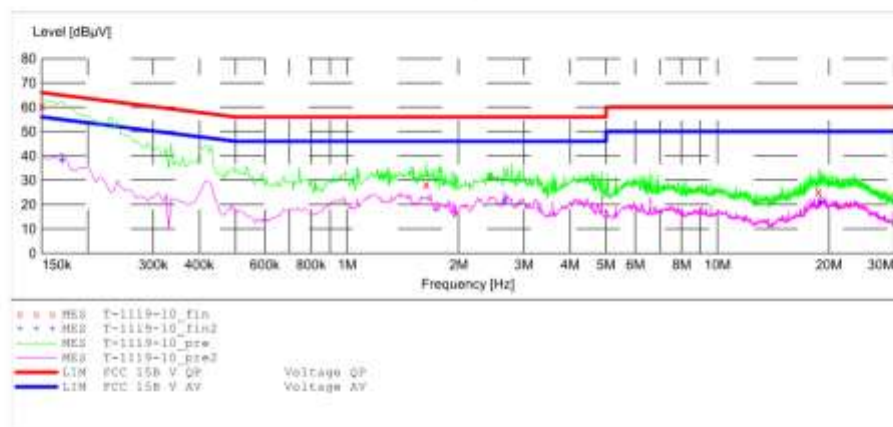
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: broncolor RFS2.2 M/N:RFS2.2N  
Manufacturer:  
Operating Condition: Transfer Data  
Test Site: 1#Shielding Room  
Operator: LGWADE  
Test Specification: L 120V/60Hz  
Comment: Mains Port  
Start of Test: 11/19/2016 /

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

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
Average  
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
Average



MEASUREMENT RESULT: "T-1119-10\_fin"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.150000      | 60.50      | 10.5      | 66         | 5.5       | QP       | L1   | GND |
| 1.635000      | 28.30      | 10.9      | 56         | 27.7      | QP       | L1   | GND |
| 18.700000     | 25.20      | 11.4      | 60         | 34.8      | QP       | L1   | GND |

MEASUREMENT RESULT: "T-1119-10\_fin2"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.170000      | 38.10      | 10.5      | 55         | 16.9      | AV       | L1   | GND |
| 2.660000      | 21.40      | 11.0      | 46         | 24.6      | AV       | L1   | GND |
| 19.015000     | 20.60      | 11.4      | 50         | 29.4      | AV       | L1   | GND |



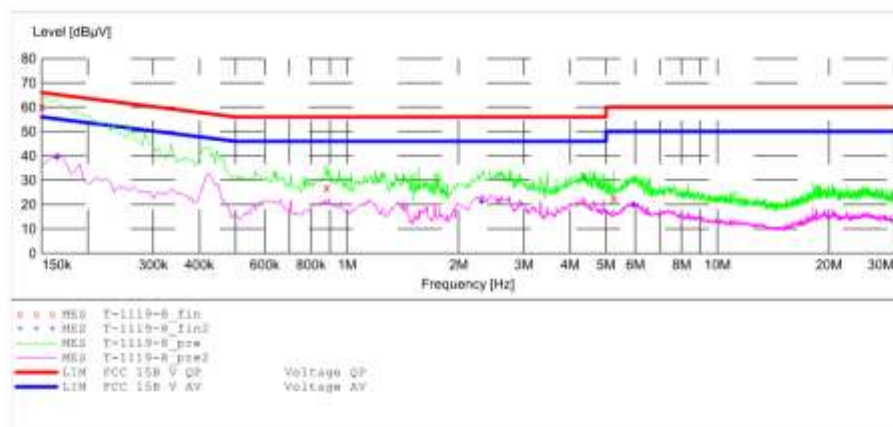
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: broncolor RFS2.2 M/N:RFS2.2C  
Manufacturer:  
Operating Condition: Transfer Data  
Test Site: 1#Shielding Room  
Operator: LGWADE  
Test Specification: N 120V/60Hz  
Comment: Mains Port  
Start of Test: 11/19/2016 /

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

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
Average  
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
Average



MEASUREMENT RESULT: "T-1119-8\_fin"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.150000      | 60.30      | 10.5      | 66         | 5.7       | QP       | N    | GND |
| 0.880000      | 27.00      | 10.8      | 56         | 29.0      | QP       | N    | GND |
| 5.240000      | 22.60      | 11.2      | 60         | 37.4      | QP       | N    | GND |

MEASUREMENT RESULT: "T-1119-8\_fin2"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.165000      | 39.10      | 10.5      | 55         | 16.1      | AV       | N    | GND |
| 2.310000      | 21.20      | 11.0      | 46         | 24.8      | AV       | N    | GND |
| 5.960000      | 19.70      | 11.2      | 50         | 30.3      | AV       | N    | GND |

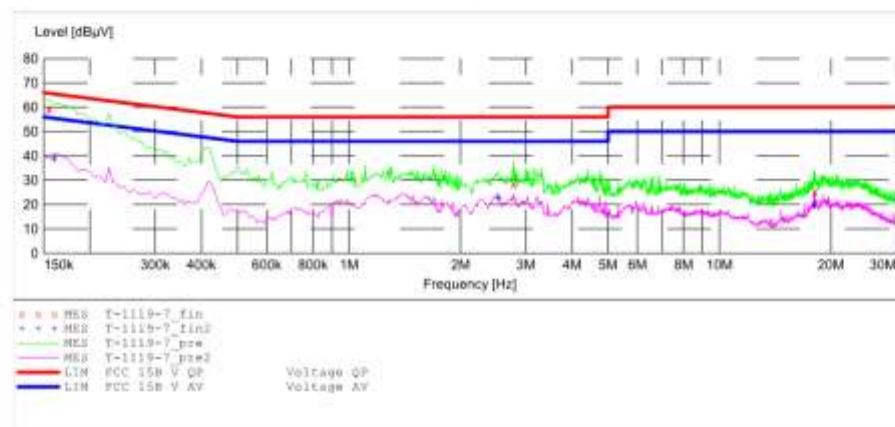
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: broncolor RFS2.2 M/N:RFS2.2C  
Manufacturer:  
Operating Condition: Transfer Data  
Test Site: 1#Shielding Room  
Operator: LGWADE  
Test Specification: L 120V/60Hz  
Comment: Mains Port  
Start of Test: 11/19/2016 /

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

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
Average  
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
Average



MEASUREMENT RESULT: "T-1119-7\_fin"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.155000      | 59.40      | 10.5      | 66         | 6.3       | QP       | L1   | GND |
| 2.780000      | 28.60      | 11.0      | 56         | 27.4      | QP       | L1   | GND |
| 18.055000     | 25.40      | 11.4      | 60         | 34.6      | QP       | L1   | GND |

MEASUREMENT RESULT: "T-1119-7\_fin2"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.160000      | 38.70      | 10.5      | 56         | 16.8      | AV       | L1   | GND |
| 2.530000      | 22.60      | 11.0      | 46         | 23.4      | AV       | L1   | GND |
| 18.055000     | 19.70      | 11.4      | 50         | 30.3      | AV       | L1   | GND |

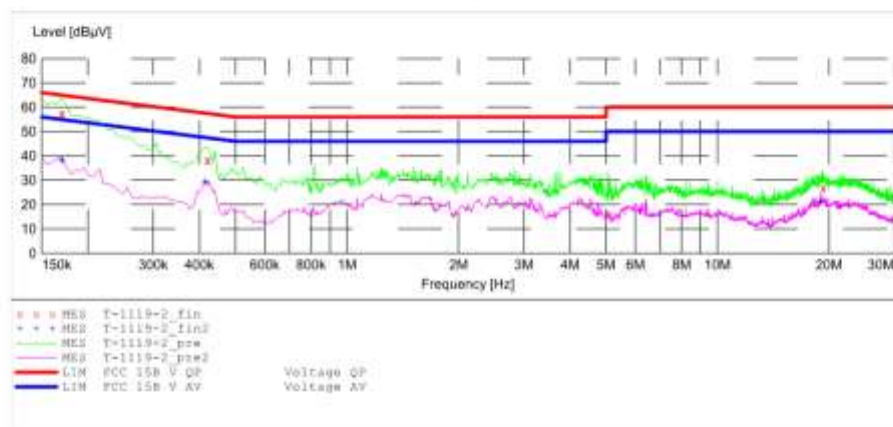
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: broncolor RFS2.2 M/N:RFS2.2S  
Manufacturer:  
Operating Condition: Transfer Data  
Test Site: 1#Shielding Room  
Operator: LGWADE  
Test Specification: L 120V/60Hz  
Comment: Mains Port  
Start of Test: 11/19/2016 /

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

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
Average  
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
Average



**MEASUREMENT RESULT: "T-1119-2\_fin"**

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.170000         | 57.40         | 10.5         | 65            | 7.6          | QP       | L1   | GND |
| 0.420000         | 38.20         | 10.7         | 57            | 19.2         | QP       | L1   | GND |
| 19.255000        | 26.80         | 11.4         | 60            | 33.2         | QP       | L1   | GND |

**MEASUREMENT RESULT: "T-1119-2\_fin2"**

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.170000         | 38.00         | 10.5         | 55            | 17.0         | AV       | L1   | GND |
| 0.415000         | 29.30         | 10.7         | 48            | 18.2         | AV       | L1   | GND |
| 18.955000        | 20.90         | 11.4         | 50            | 29.1         | AV       | L1   | GND |

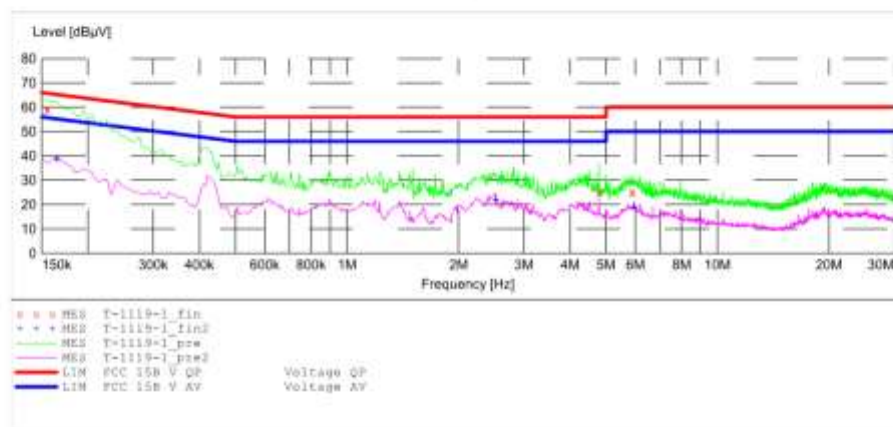
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: broncolor RFS2.2 M/N:RFS2.2S  
Manufacturer:  
Operating Condition: Transfer Data  
Test Site: 1#Shielding Room  
Operator: LGWADE  
Test Specification: N 120V/60Hz  
Comment: Mains Port  
Start of Test: 11/19/2016 /

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

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
Average  
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
Average



MEASUREMENT RESULT: "T-1119-1\_fin"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.155000      | 59.20      | 10.5      | 66         | 6.5       | QP       | N    | GND |
| 4.790000      | 25.10      | 11.1      | 56         | 30.9      | QP       | N    | GND |
| 5.880000      | 25.00      | 11.2      | 60         | 35.0      | QP       | N    | GND |

MEASUREMENT RESULT: "T-1119-1\_fin2"

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.165000      | 38.60      | 10.5      | 55         | 16.6      | AV       | N    | GND |
| 2.520000      | 21.80      | 11.0      | 46         | 24.2      | AV       | N    | GND |
| 5.960000      | 18.90      | 11.2      | 50         | 31.1      | AV       | N    | GND |



## **Appendix A.2: Test Plots of Radiated Emission**



**ACCURATE TECHNOLOGY CO., LTD.**

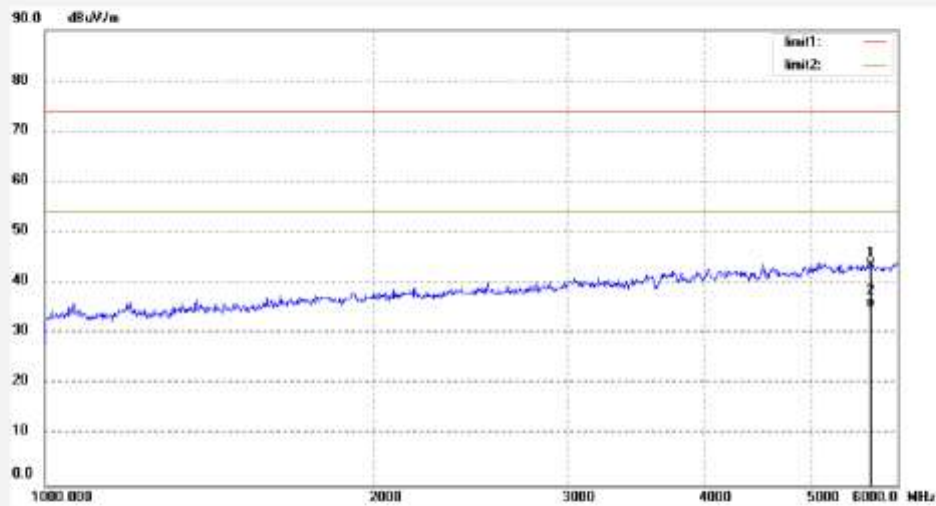
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3536  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2S  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 3V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 5675.819       | 35.94               | 7.55           | 43.49              | 74.00             | -30.51         | peak     |                |                  |        |
| 2   | 5675.819       | 27.68               | 7.55           | 35.23              | 54.00             | -18.77         | AVG      |                |                  |        |





**ACCURATE TECHNOLOGY CO., LTD.**

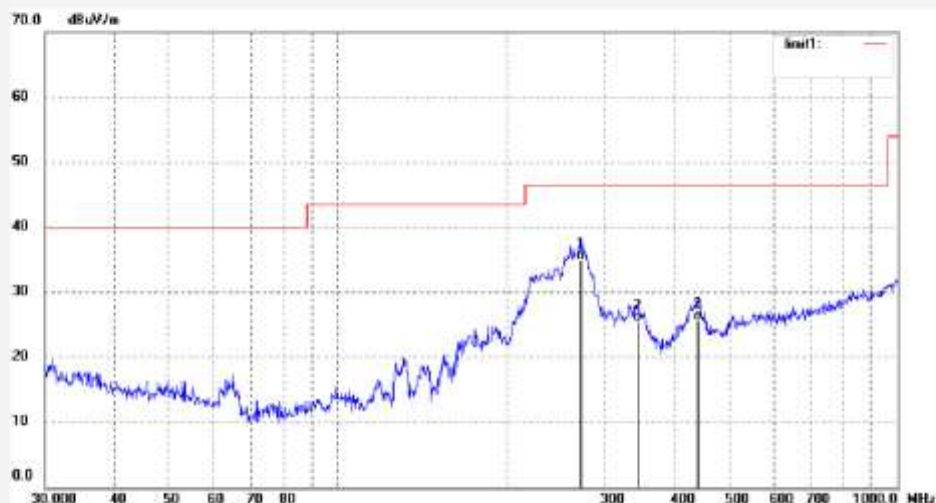
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3485  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2S  
Manufacturer:

Polarization: Vertical  
Power Source: DC 3V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 271.3245    | 44.84            | -9.88       | 34.96           | 46.40          | -11.44      | QP       |             |               |        |
| 2   | 343.1800    | 33.09            | -7.63       | 25.46           | 46.40          | -20.94      | QP       |             |               |        |
| 3   | 440.1963    | 31.19            | -5.48       | 25.71           | 46.40          | -20.69      | QP       |             |               |        |





**ACCURATE TECHNOLOGY CO., LTD.**

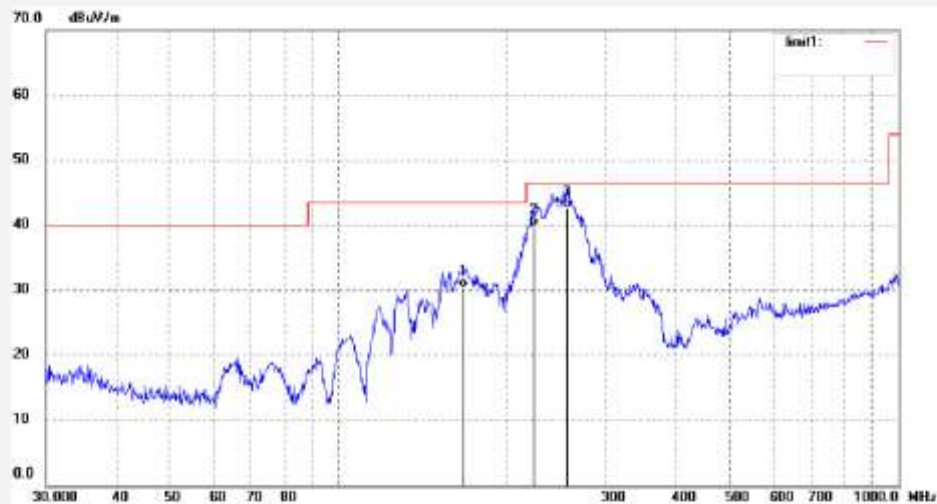
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3484  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2S  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 3V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 167.2366       | 44.37               | -13.97         | 30.40              | 43.50             | -13.10         | QP       |                |                  |        |
| 2   | 223.7333       | 51.11               | -11.30         | 39.81              | 46.40             | -6.59          | QP       |                |                  |        |
| 3   | 255.6230       | 53.16               | -10.52         | 42.64              | 46.40             | -3.76          | QP       |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

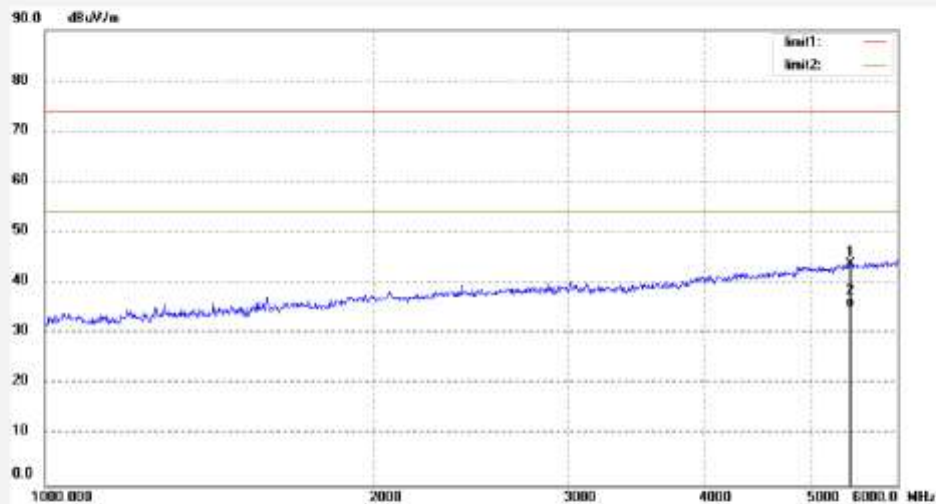
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3539  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2S  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 5V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 5436.920       | 36.72               | 7.04           | 43.76              | 74.00             | -30.24         | peak     |                |                  |        |
| 2   | 5436.920       | 28.16               | 7.04           | 35.20              | 54.00             | -18.80         | AVG      |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

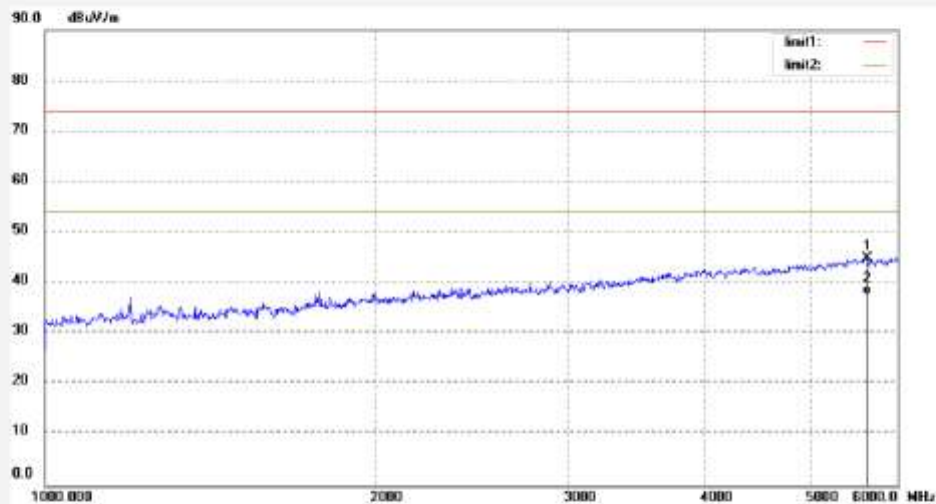
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3538  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2S  
Manufacturer:

Polarization: Vertical  
Power Source: DC 5V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 5625.198       | 37.35               | 7.65           | 45.00              | 74.00             | -29.00         | peak     |                |                  |        |
| 2   | 5625.198       | 29.99               | 7.65           | 37.64              | 54.00             | -16.36         | AVG      |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

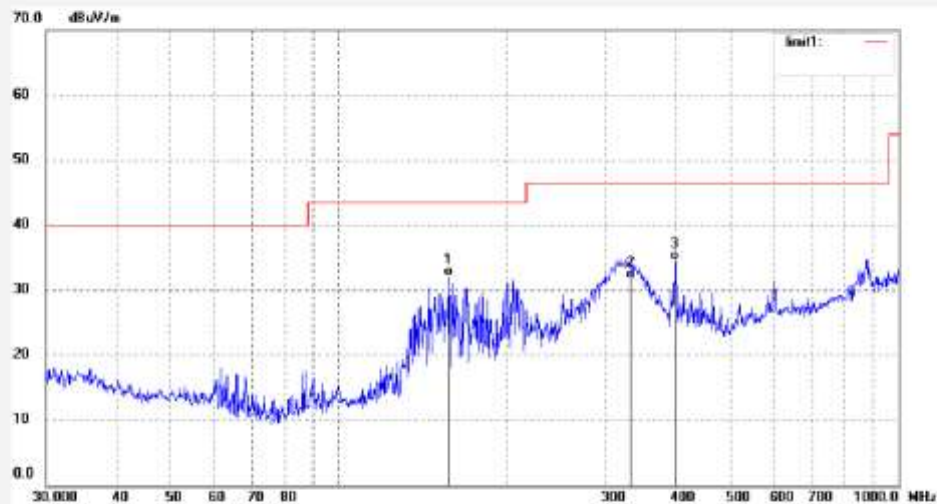
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3479  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2S  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 5V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 157.0073       | 46.81               | -14.75         | 32.06              | 43.50             | -11.44         | QP       |                |                  |        |
| 2   | 332.5187       | 39.79               | -7.99          | 31.80              | 46.40             | -14.60         | QP       |                |                  |        |
| 3   | 399.0300       | 40.97               | -6.48          | 34.49              | 46.40             | -11.91         | QP       |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

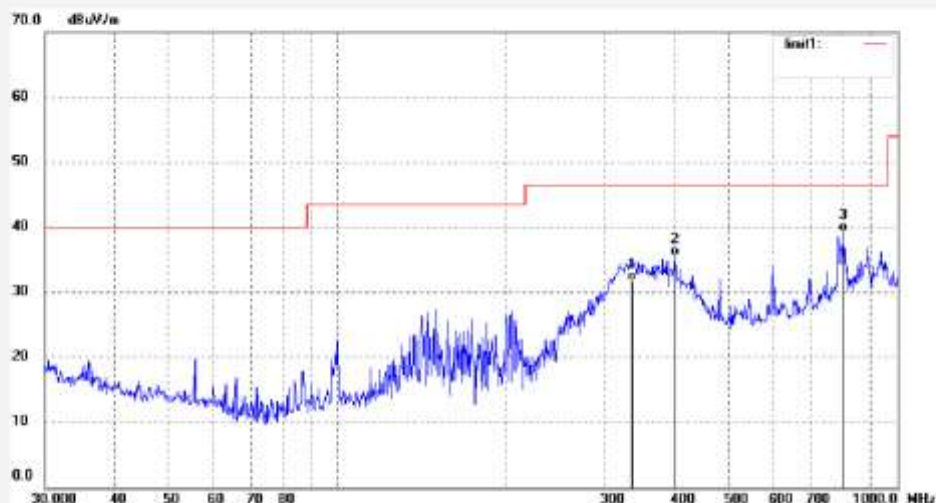
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3478  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2S  
Manufacturer:

Polarization: Vertical  
Power Source: DC 5V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 334.8589       | 39.66               | -7.95          | 31.71              | 46.40             | -14.69         | QP       |                |                  |        |
| 2   | 400.4318       | 41.96               | -6.43          | 35.53              | 46.40             | -10.87         | QP       |                |                  |        |
| 3   | 801.7862       | 38.47               | 0.87           | 39.34              | 46.40             | -7.06          | QP       |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

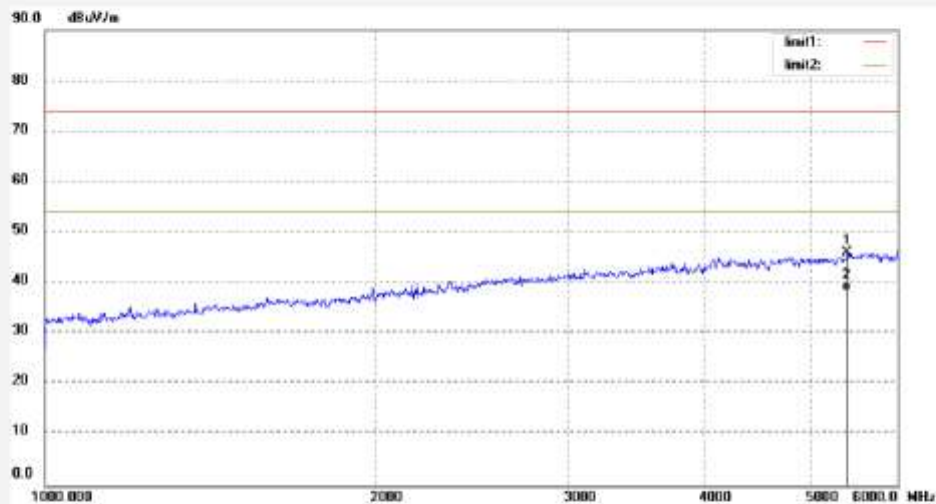
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3553  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2N  
Manufacturer:

Polarization: Vertical  
Power Source: DC 3V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 5388.429    | 39.18            | 6.84        | 46.02           | 74.00          | -27.98      | peak     |             |               |        |
| 2   | 5388.429    | 31.42            | 6.84        | 38.26           | 54.00          | -15.74      | AVG      |             |               |        |





**ACCURATE TECHNOLOGY CO., LTD.**

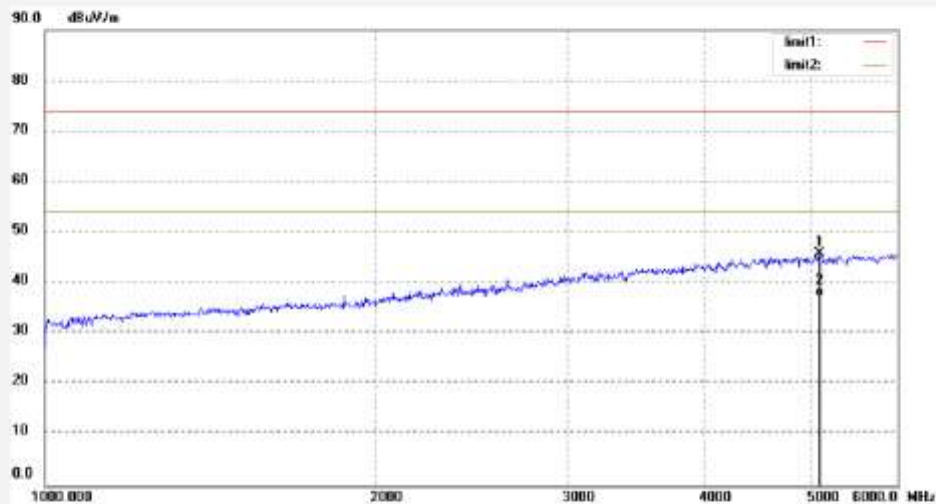
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3552  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2N  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 3V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 5088.167    | 39.67            | 6.18        | 45.85           | 74.00          | -28.15      | peak     |             |               |        |
| 2   | 5088.167    | 31.09            | 6.18        | 37.27           | 54.00          | -16.73      | AVG      |             |               |        |



**ACCURATE TECHNOLOGY CO., LTD.**

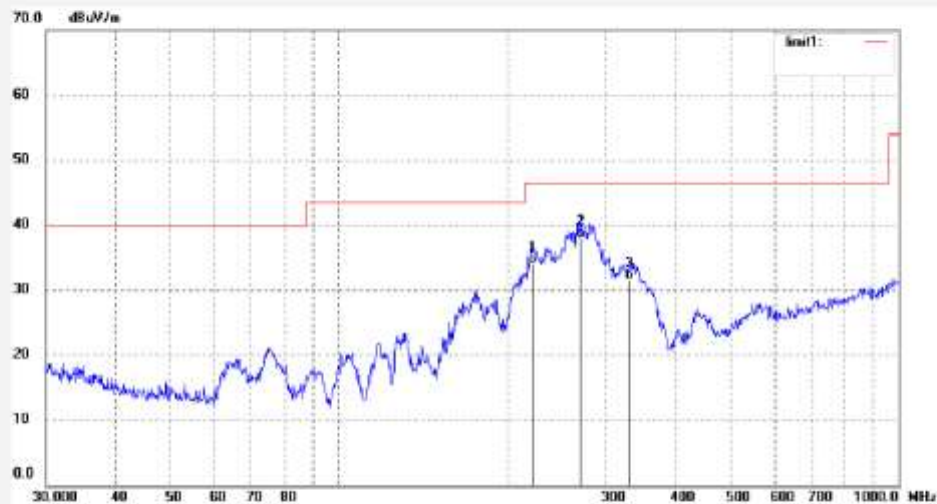
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3471  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2N  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 3V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 222.1698       | 45.37               | -11.38         | 33.99              | 46.40             | -12.41         | QP       |                |                  |        |
| 2   | 270.3747       | 48.07               | -9.92          | 38.15              | 46.40             | -8.25          | QP       |                |                  |        |
| 3   | 330.1949       | 39.62               | -8.03          | 31.59              | 46.40             | -14.81         | QP       |                |                  |        |





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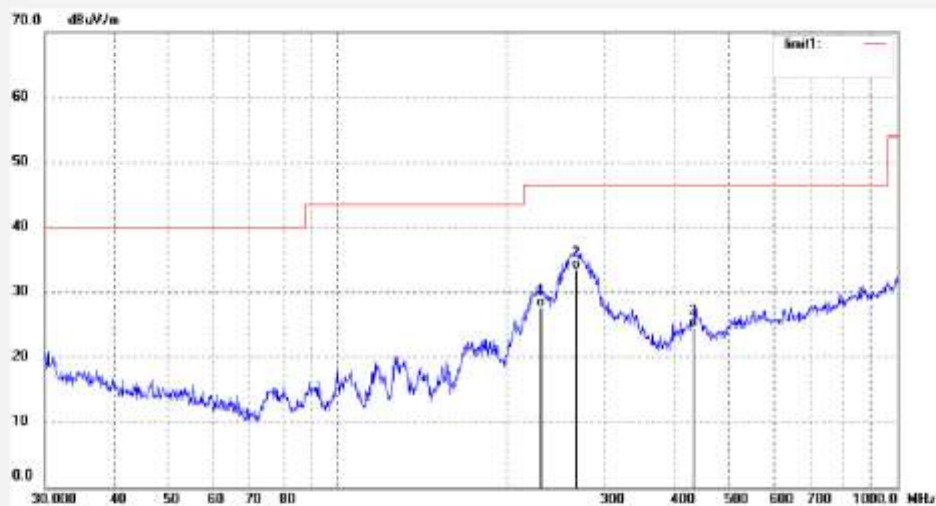
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3470  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2N  
Manufacturer:

Polarization: Vertical  
Power Source: DC 3V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 230.9068       | 38.73               | -11.05         | 27.68              | 46.40             | -18.72         | QP       |                |                  |        |
| 2   | 266.6089       | 43.63               | -10.11         | 33.52              | 46.40             | -12.88         | QP       |                |                  |        |
| 3   | 432.5457       | 30.19               | -5.58          | 24.61              | 46.40             | -21.79         | 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.: LGW2015 #3555

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: Transfer Data

Model: RFS2.2N

Manufacturer:

Polarization: Horizontal

Power Source: DC 5V

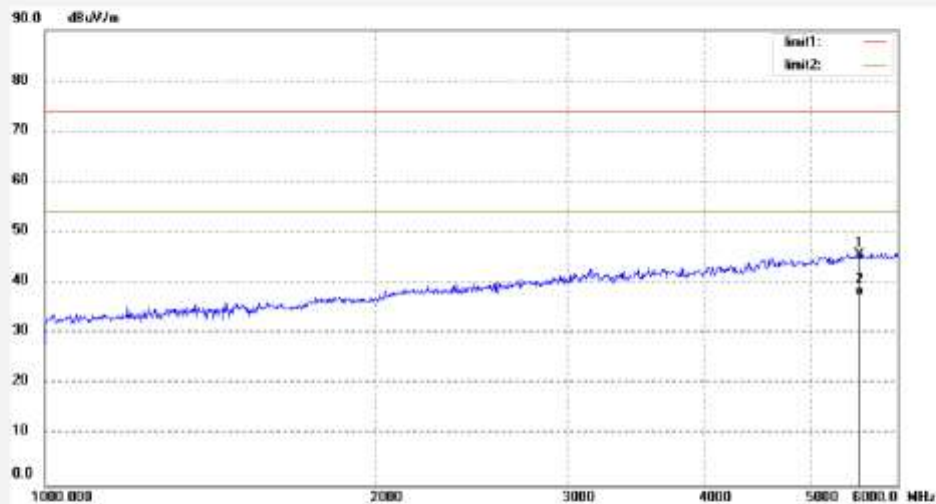
Date: 16/11/18/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 5535.214    | 38.08            | 7.51        | 45.59           | 74.00          | -28.41      | peak     |             |               |        |
| 2   | 5535.214    | 30.02            | 7.51        | 37.53           | 54.00          | -16.47      | AVG      |             |               |        |



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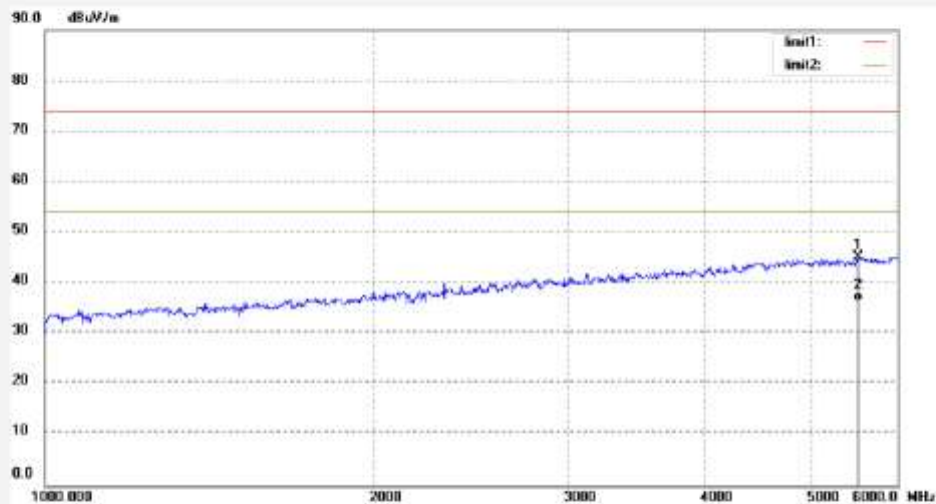
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3554  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2N  
Manufacturer:

Polarization: Vertical  
Power Source: DC 5V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 5525.306       | 37.57               | 7.48           | 45.05              | 74.00             | -28.95         | peak     |                |                  |        |
| 2   | 5525.306       | 28.76               | 7.48           | 36.24              | 54.00             | -17.76         | AVG      |                |                  |        |



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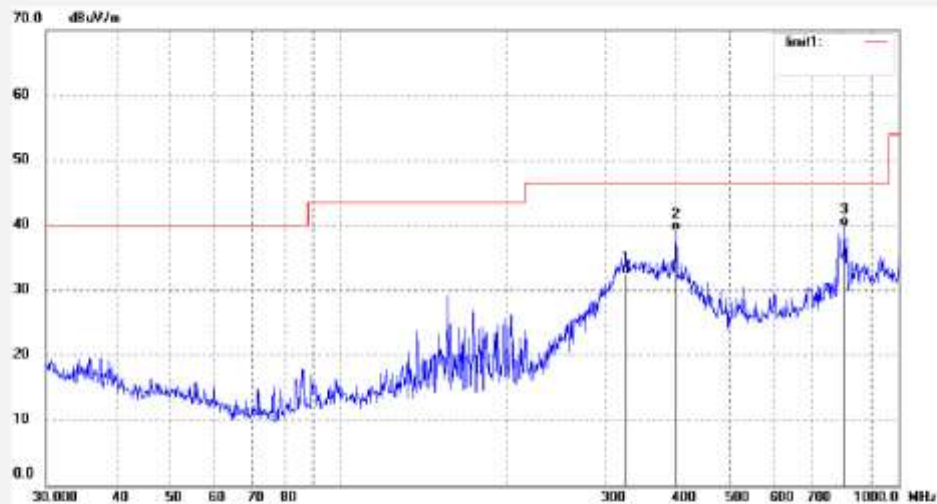
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3477  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2N  
Manufacturer:

Polarization: Vertical  
Power Source: DC 5V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 326.7395       | 40.59               | -8.15          | 32.44              | 46.40             | -13.96         | QP       |                |                  |        |
| 2   | 400.4318       | 45.48               | -6.43          | 39.05              | 46.40             | -7.35          | QP       |                |                  |        |
| 3   | 798.9796       | 39.02               | 0.81           | 39.83              | 46.40             | -6.57          | QP       |                |                  |        |



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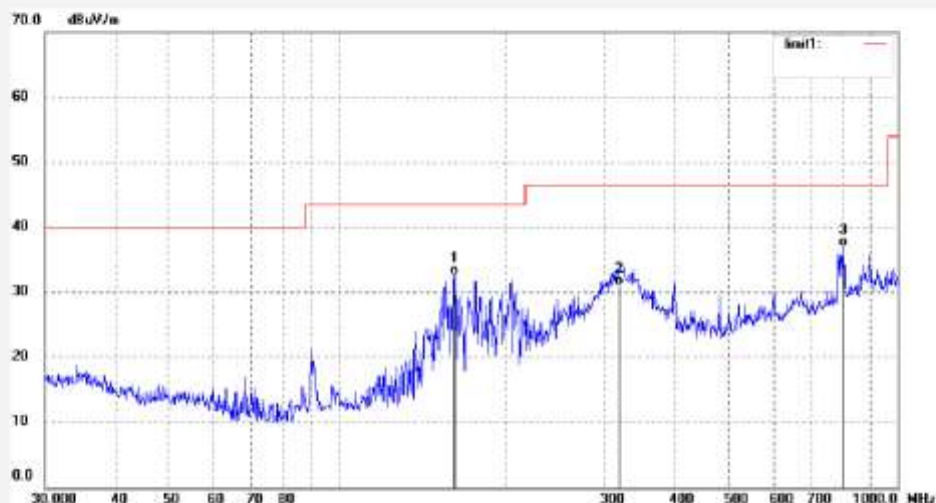
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3476  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2N  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 5V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 161.4740       | 46.95               | -14.38         | 32.57              | 43.50             | -10.93         | QP       |                |                  |        |
| 2   | 318.8170       | 39.47               | -8.48          | 30.99              | 46.40             | -15.41         | QP       |                |                  |        |
| 3   | 798.9796       | 36.22               | 0.81           | 37.03              | 46.40             | -9.37          | QP       |                |                  |        |



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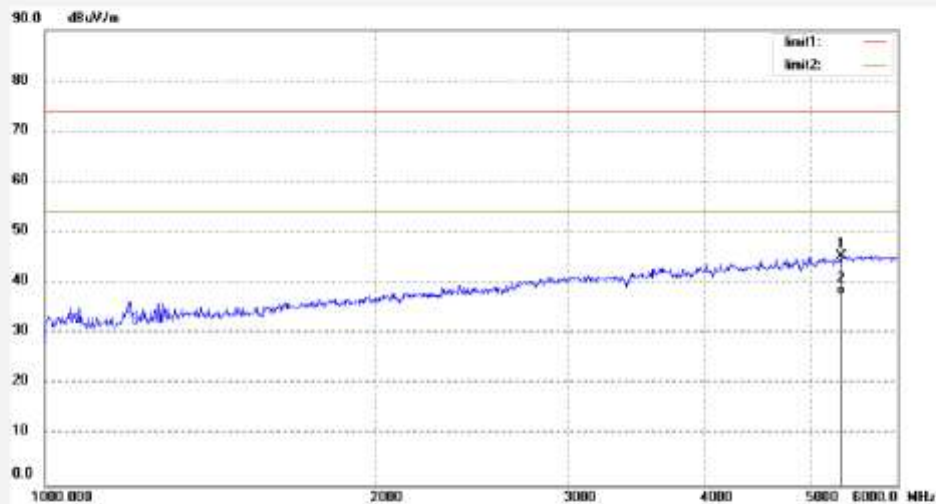
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3543  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2C  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 3V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 5330.811    | 38.42            | 6.87        | 45.29           | 74.00          | -28.71      | peak     |             |               |        |
| 2   | 5330.811    | 30.80            | 6.87        | 37.67           | 54.00          | -16.33      | AVG      |             |               |        |





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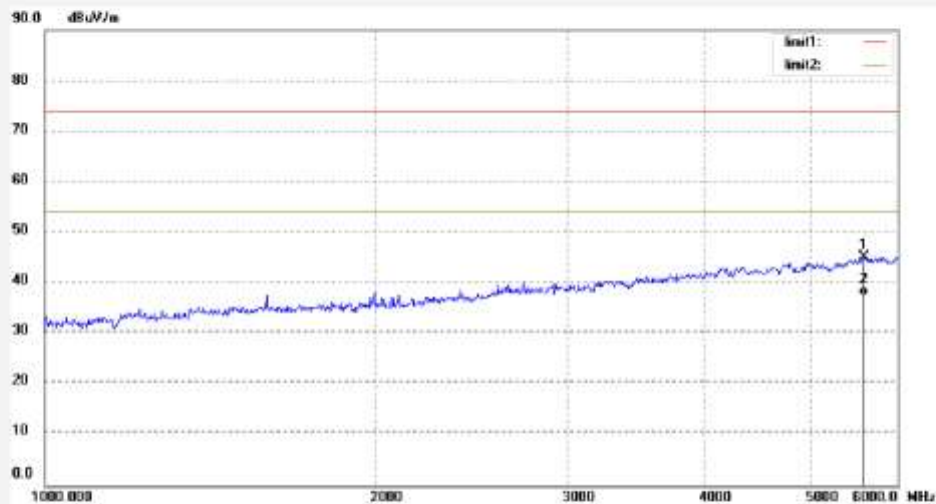
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3542  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2C  
Manufacturer:

Polarization: Vertical  
Power Source: DC 3V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 5585.026    | 37.38            | 7.66        | 45.04           | 74.00          | -28.96      | peak     |             |               |        |
| 2   | 5585.026    | 29.90            | 7.66        | 37.56           | 54.00          | -16.44      | AVG      |             |               |        |



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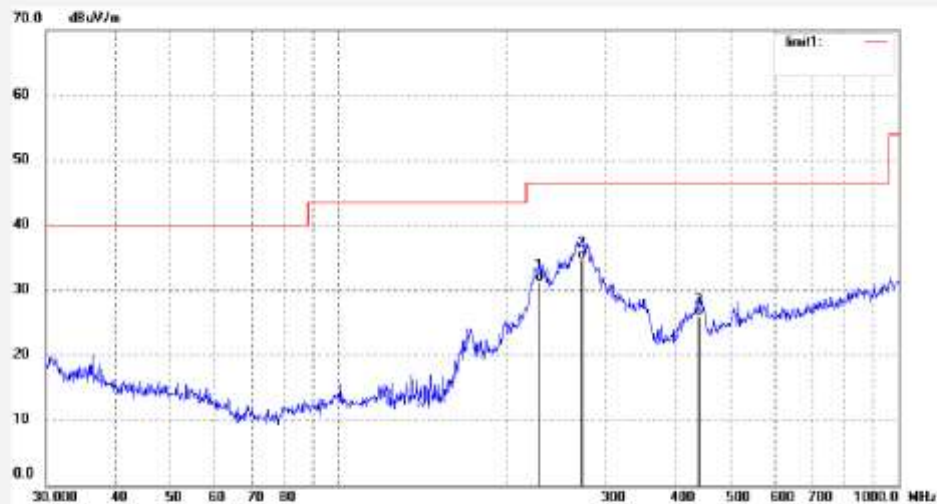
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3469  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2C  
Manufacturer:

Polarization: Vertical  
Power Source: DC 3V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 228.4903       | 42.36               | -11.15         | 31.21              | 46.40             | -15.19         | QP       |                |                  |        |
| 2   | 272.2776       | 44.64               | -9.84          | 34.80              | 46.40             | -11.60         | QP       |                |                  |        |
| 3   | 440.1963       | 31.51               | -5.48          | 26.03              | 46.40             | -20.37         | QP       |                |                  |        |





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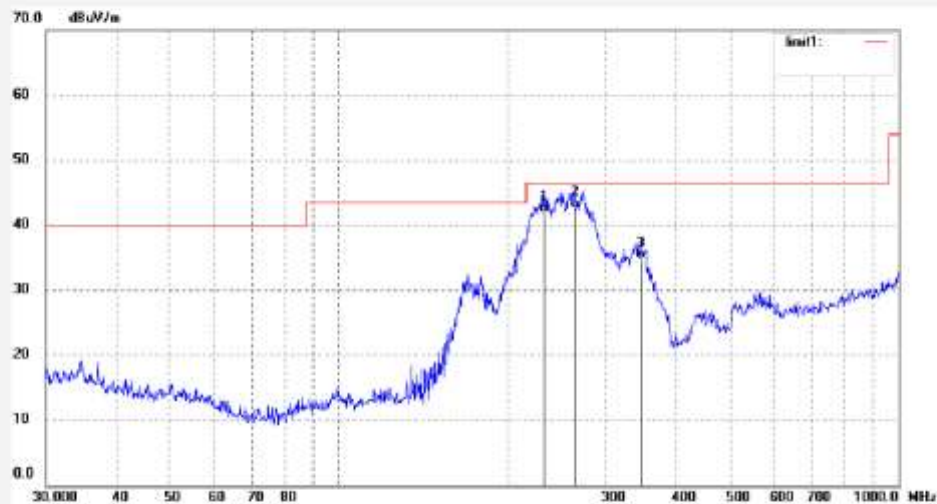
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3468  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: On  
Model: RFS2.2C  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 3V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 233.3487       | 52.77               | -10.93         | 41.84              | 46.40             | -4.56          | QP       |                |                  |        |
| 2   | 263.8190       | 52.89               | -10.26         | 42.63              | 46.40             | -3.77          | QP       |                |                  |        |
| 3   | 346.8091       | 42.30               | -7.50          | 34.80              | 46.40             | -11.60         | QP       |                |                  |        |



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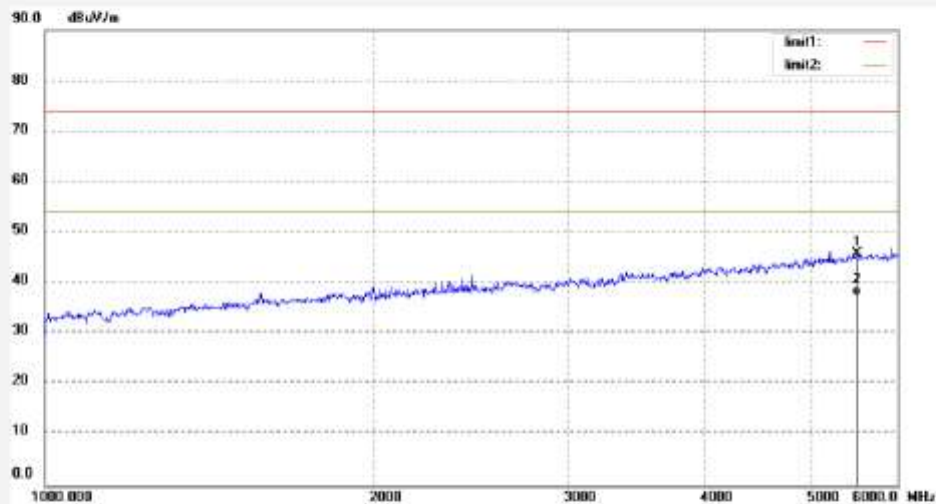
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3541  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2C  
Manufacturer:

Polarization: Vertical  
Power Source: DC 5V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 5505.541    | 38.42            | 7.42        | 45.84           | 74.00          | -28.16      | peak     |             |               |        |
| 2   | 5505.541    | 30.15            | 7.42        | 37.57           | 54.00          | -16.43      | AVG      |             |               |        |



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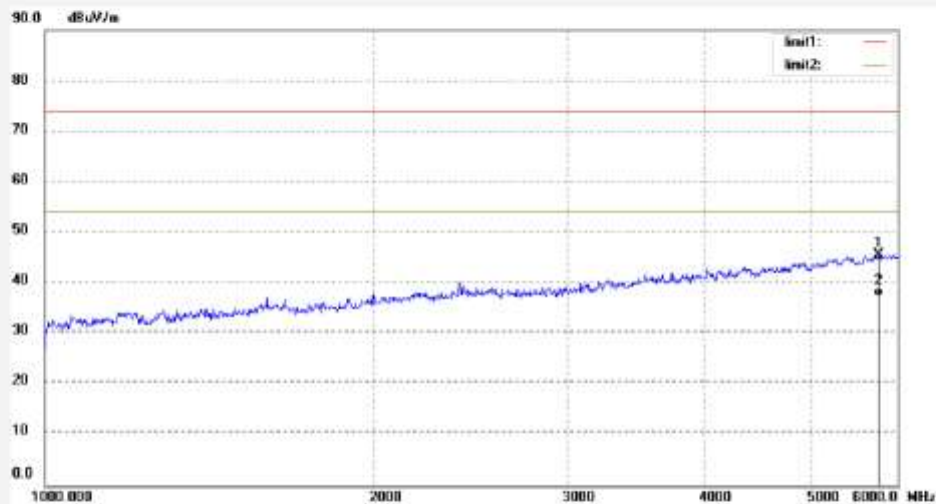
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3540  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2C  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 5V  
Date: 16/11/18/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 5768.089       | 37.59               | 7.91           | 45.50              | 74.00             | -28.50         | peak     |                |                  |        |
| 2   | 5768.089       | 29.33               | 7.91           | 37.24              | 54.00             | -16.76         | AVG      |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

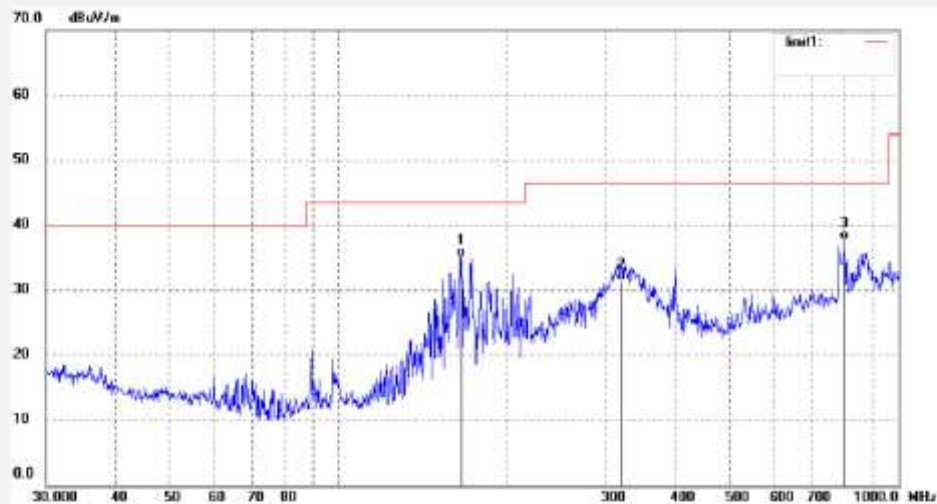
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3463  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2C  
Manufacturer:

Polarization: Horizontal  
Power Source: DC 5V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBSuV/m) | Factor<br>(dB) | Result<br>(dBSuV/m) | Limit<br>(dBSuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|----------------------|----------------|---------------------|--------------------|----------------|----------|----------------|------------------|--------|
| 1   | 165.4866       | 49.27                | -14.24         | 35.03               | 43.50              | -8.47          | QP       |                |                  |        |
| 2   | 319.9370       | 39.87                | -8.45          | 31.42               | 46.40              | -14.98         | QP       |                |                  |        |
| 3   | 801.7862       | 36.80                | 0.87           | 37.67               | 46.40              | -8.73          | QP       |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

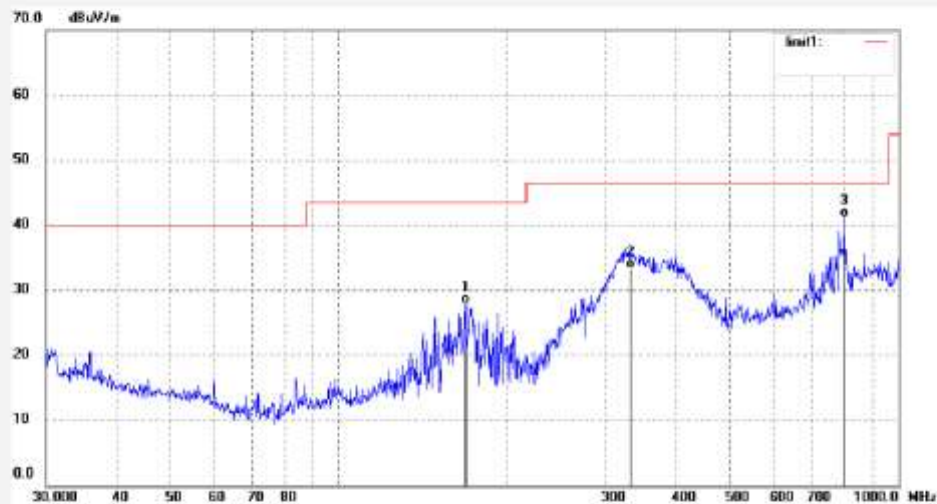
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LGW2015 #3462  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: broncolor RFS2.2  
Mode: Transfer Data  
Model: RFS2.2C  
Manufacturer:

Polarization: Vertical  
Power Source: DC 5V  
Date: 16/11/16/  
Time:  
Engineer Signature: LGWADE  
Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 168.4138       | 41.63               | -13.79         | 27.84              | 43.50             | -15.66         | QP       |                |                  |        |
| 2   | 332.5187       | 41.32               | -7.99          | 33.33              | 46.40             | -13.07         | QP       |                |                  |        |
| 3   | 798.9796       | 40.48               | 0.81           | 41.29              | 46.40             | -5.11          | QP       |                |                  |        |



**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2015 #3537

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: On

Model: RFS2.2S

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

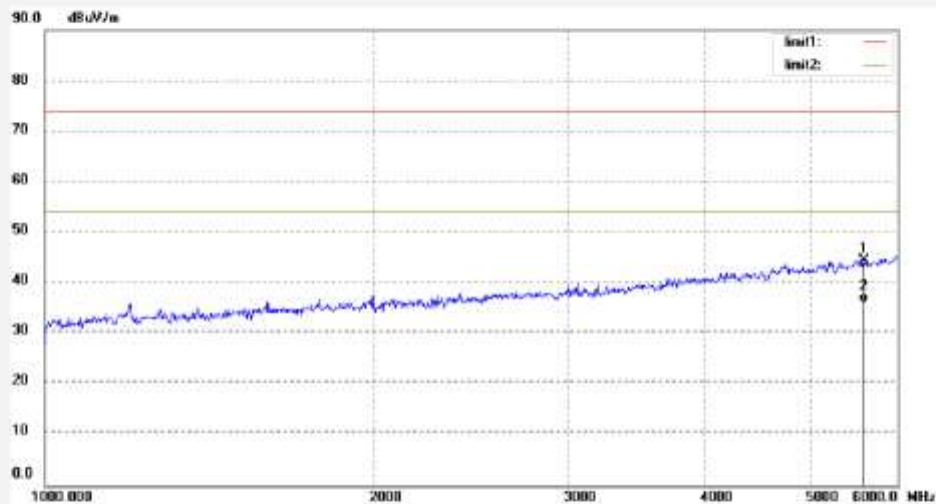
Date: 16/11/18/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 5595.042       | 36.79               | 7.69           | 44.48              | 74.00             | -29.52         | peak     |                |                  |        |
| 2   | 5595.042       | 28.52               | 7.69           | 36.21              | 54.00             | -17.79         | AVG      |                |                  |        |