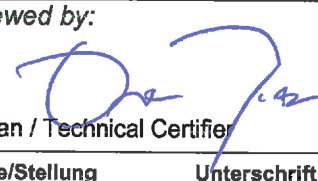


Prüfbericht-Nr.: <i>Test report No.:</i>	50065134 002	Auftrags-Nr.: <i>Order No.:</i>	164074023	Seite 1 von 21 <i>Page 1 of 21</i>
Kunden-Referenz-Nr.: <i>Client reference No.:</i>	N/A	Auftragsdatum: <i>Order date.:</i>	14.09.2016	
Auftraggeber: <i>Client:</i>	BRON ELEKTRONIK AG Hagmattstrasse 7, 4123 Allschwil, Switzerland			
Prüfgegenstand: <i>Test item:</i>	WIRELESS FLASH TRIGGER TRANSCEIVER			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	RFS2.2C, RFS2.2N, RFS2.2S			
Auftrags-Inhalt: <i>Order content:</i>	FCC and IC approval			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.249 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 2: Subpart J Section 2.1093 RSS-210 Issue 9 August 2016 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015			
Wareneingangsdatum: <i>Date of receipt:</i>	21.09.2016	Please refer to photo documents		
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000417468--002 A000417468--003			
Prüfzeitraum: <i>Testing period:</i>	29.10.2016 - 09.12.2016			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
 03.07.2017 Andy Yan / Project Manager		 03.07.2017 Owen Tian / 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>
Sonstiges / Other: For model difference information refer to test report clause 3.1.				
FCC ID: RW3RFS2216				
IC: 22086-RFS2216 HVIN: RFS2.2				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend		4 = ausreichend 5 = mangelhaft		
P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)		
Legend: 1 = very good 2 = good 3 = satisfactory		4 = sufficient 5 = poor		
P(ass) = passed a.m. test specifications(s)		F(ail) = failed a.m. test specifications(s)		
		N/A = nicht anwendbar N/T = nicht getestet		
		N/A = not applicable N/T = not tested		
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>				

V04

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 FIELD STRENGTH OF FUNDAMENTAL AND HARMONICS

RESULT: Pass

5.1.3 BANDWIDTH

RESULT: Pass

5.1.4 RADIATED SPURIOUS EMISSION & BAND EDGE

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

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

Appendix A: Test Results of 2.4 GHz Wireless mode

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.

Radio Spectrum Test				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Spectrum Analyzer	R&S	ESPI3	100396/003	09.01.2017
Radiated Emission & Spurious Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
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
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	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

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
Radiated Emission (9kHz-30MHz)	Field strength (dBμV/m)	U=3.08dB, k=2, σ=95%
Radiated Emission (30-1000MHz)	Field strength (dBμV/m)	U=4.42dB, k=2, σ=95%
Radiated Emission (above 1000MHz)	Field strength (dBμV/m)	U=4.06dB, k=2, σ=95%
Radio Spectrum		± 0.60 dB
Ambient Temperature		25 °C
Relative Humidity		56 %
Atmospheric Pressure		101 kPa

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. This report is only for DXX.

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 pretested and only the worst case mode has been reported.

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

3.2 Ratings and System Details

Table 2: Technical Specification of Transmitter

Technical Specification	Value
Kind of Equipment	WIRELESS FLASH TRIGGER TRANSCEIVER
Type Designation	RFS2.2C, RFS2.2N, RFS2.2S
FCC ID	RW3RFS2216
IC / HVIN	22086-RFS2216 / RFS2.2
Operating Frequency	2403 ~ 2481MHz
Operating Temperature Range	-5 °C ~ +50 °C
Operating Voltage	2 x 1.5V AA batteries
Testing Voltage	2 x 1.5V AA new batteries
Type of Modulation	MSK
Channel Number	40
Channel Separation	2MHz
Antenna Type	Integral Antenna (PCB Antenna)
Antenna Gain	0.00 dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Wireless Transmitting mode
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|---------------------------|-------------------------|
| - Application Form | |
| - Block Diagram | - Circuit Diagram |
| - FCC Label and Location | - Operation Description |
| - Model Difference Letter | - User Manual |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

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

4.2 Test Operation and Test Software

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

According to clause 3.1, all models have been pretested and only the worst case with RFS2.2C was reported.

4.3 Special Accessories and Auxiliary Equipment

None.

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)

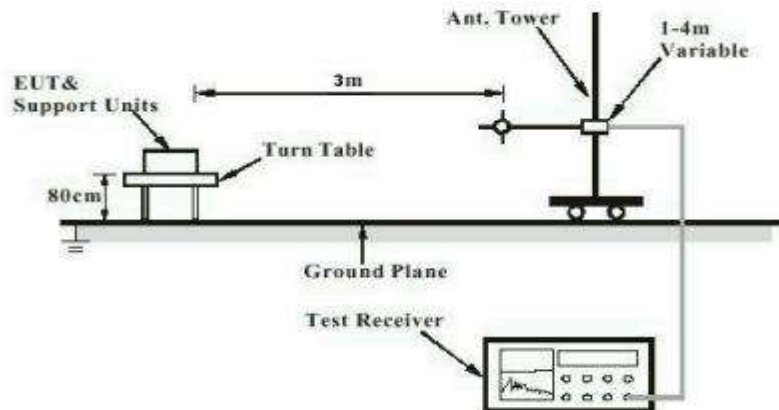


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

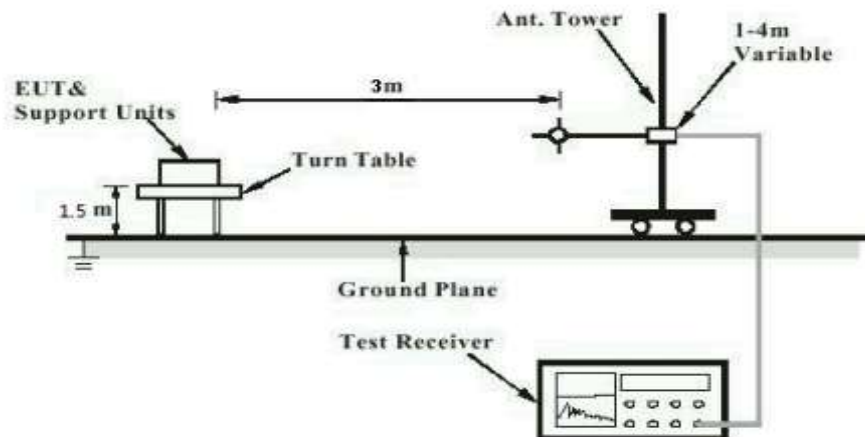
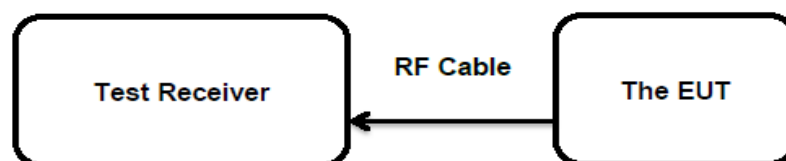


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

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

Test standard : FCC Part 15.203
RSS-Gen Clause 8.3

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0.00 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

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

Refer to EUT Photo for further details.

5.1.2 Field Strength of Fundamental and Harmonics

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

Test standard	: FCC Part 15.249(a) RSS 210 Annex B (B.10.a)
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.249(a)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 29.10.2016
Input voltage	: 2 x 1.5V AA new batteries
Operation mode	: A
Ambient temperature	: 23°C
Relative humidity	: 48 %
Atmospheric pressure	: 101 kPa

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

The EUT is transmitting continuously with 100% duty cycle during the testing. Peak detector used with RBW 3MHz/VBW 3MHz for peak value and RBW 1MHz/VBW 10Hz for average value.

For the measurement records, refer to the appendix A.

5.1.3 Bandwidth

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.215
RSS-Gen Clause 6.6

Basic standard : ANSI C63.10: 2013

Kind of test site : Shielded Room

Test Setup

Date of testing : 11.11.2016 ~ 09.12.2016

Input voltage : 2 x 1.5V AA new batteries

Operation mode : A1

Ambient temperature : 23 °C

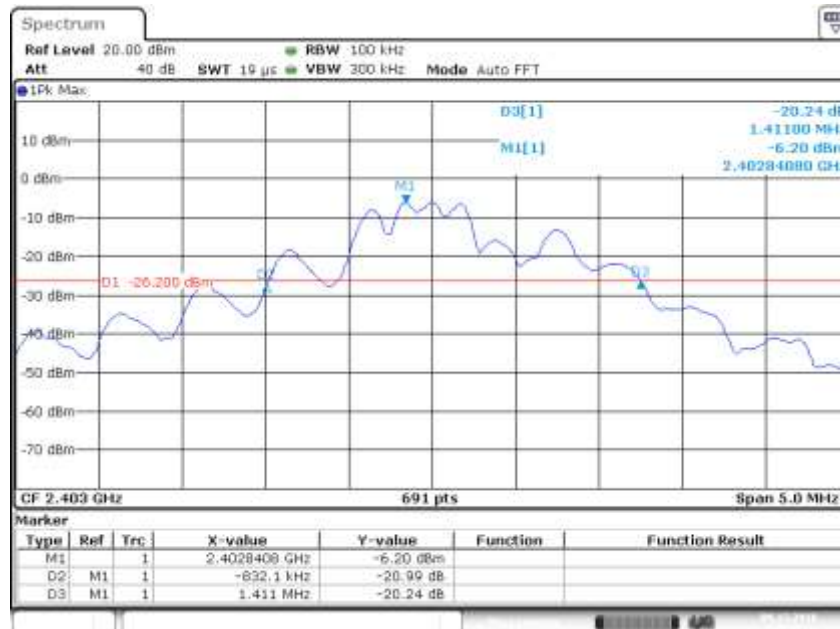
Relative humidity : 48 %

Atmospheric pressure : 101 kPa

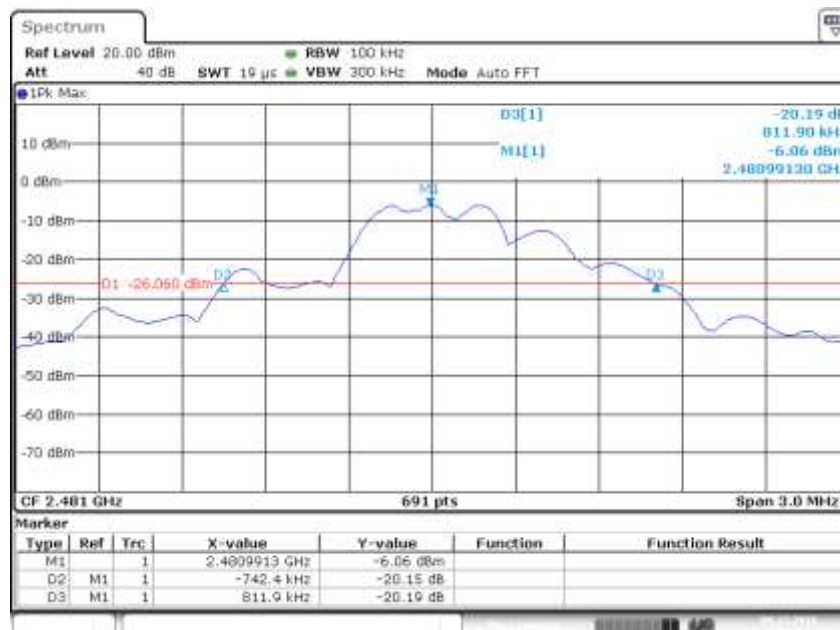
Table 3: Test Result of 20dB Bandwidth and 99% Occupied Bandwidth

Frequency (MHz)	20dB Bandwidth (KHz)	99% OBW (KHz)	Limit
2403	2243	1563	Within the frequency band 2400MHz~2483.5MHz
2443	--	1919	
2481	1554	1698	

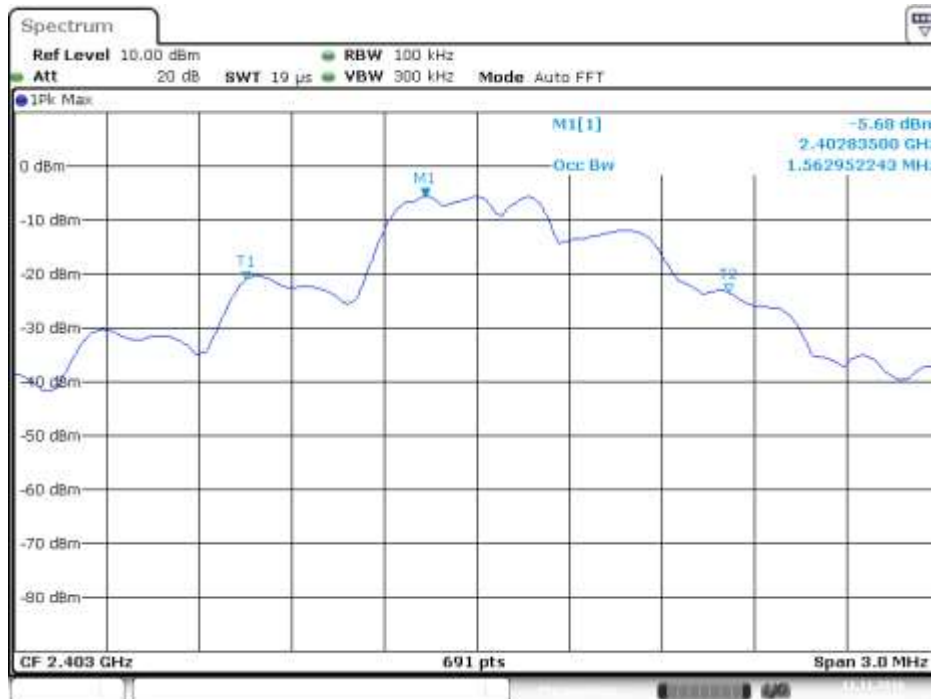
For the measurement records, refer to following test plot:

Test Plot of 20dB Bandwidth


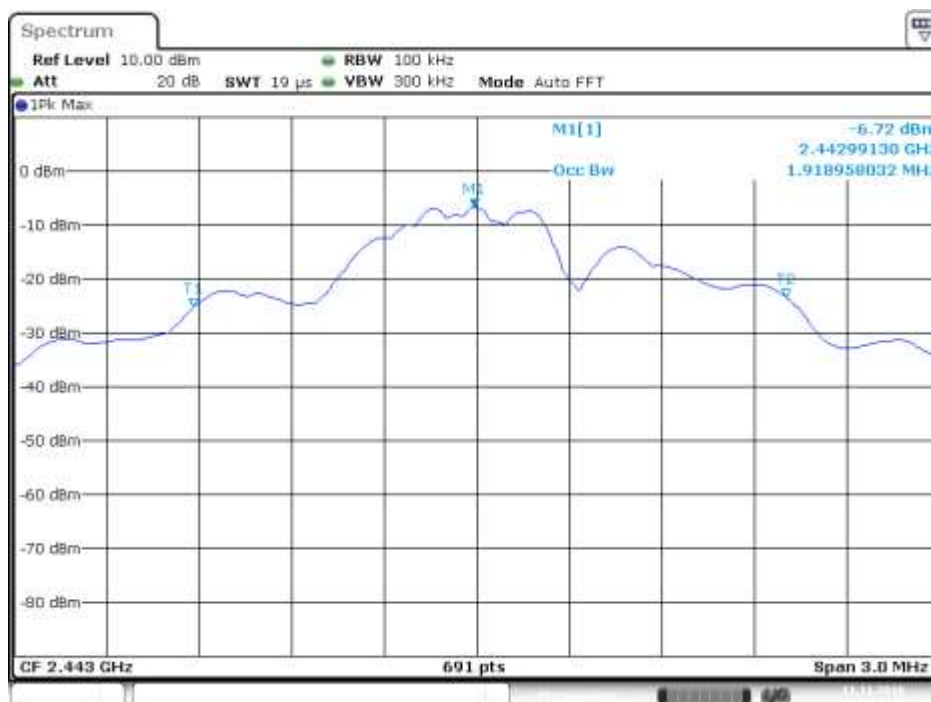
Date: 9.DEC.2016 17:20:20



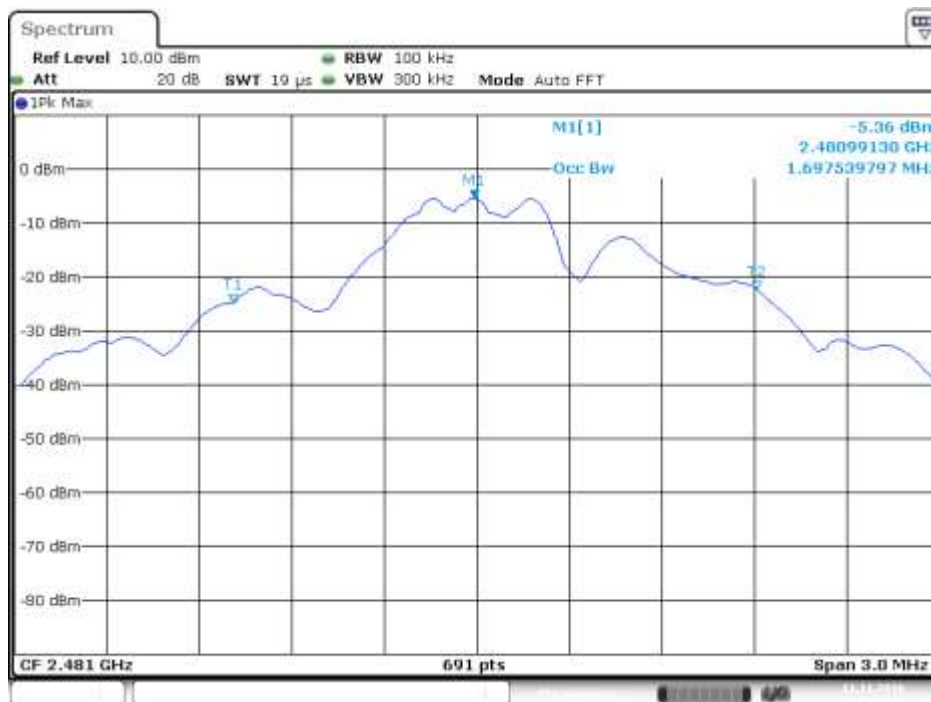
Date: 9.DEC.2016 17:10:18

Test Plot of 99% Bandwidth


Date: 11.NOV.2016 14:18:33



Date: 11.NOV.2016 14:23:07



Date: 11.NOV.2016 14:43:20

5.1.4 Radiated Spurious Emission & Band Edge

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

Test standard	: FCC Part 15.249 RSS 210 Annex B (B.10)
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.249 RSS 210 Annex B (B.10. b) or RSS Gen Table 4 & Table 5
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 29.10.2016 ~ 01.11.2016
Input voltage	: 2 x 1.5V AA new batteries
Operation mode	: A
Ambient temperature	: 23 °C
Relative humidity	: 48 %
Atmospheric pressure	: 101 kPa

Remark:

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

Testing was carried out within frequency range 9kHz to the tenth harmonics. The EUT is transmitting continuously with 100% duty cycle during the testing. Peak detector used with RBW 1MHz/VBW 3MHz for peak value and RBW 1MHz/VBW 10Hz for average value.

For the measurement records, refer to the appendix A.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

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

Test standard : FCC KDB Publication 447498 v06
RSS 102 Issue 5

Measurement Record:

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

The maximum specified e.i.r.p.: 0dBm

Antenna Gain: 0dBi

Exempted Power for FCC according KDB 447498 for this frequency band: 9.5mW

Exempted Power for IC according RSS 102 Issue 5 for this frequency band: 4mW

Since the maximum conducted output power and e.i.r.p. is 0dBm = 1mW < 4 mW.

The EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06 and RSS 102 Issue 5, Clause 2.5.1 Table 1.

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Appendix A

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NOTE

During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.
All the tested emissions from 9KHz to 30MHz are far below the limit with floor noise and not reported.

Appendix A.1: Field Strength of Fundamental, Harmonics and Spurious Emission

30MHz - 1GHz



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.: lgwade #3908

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2481MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

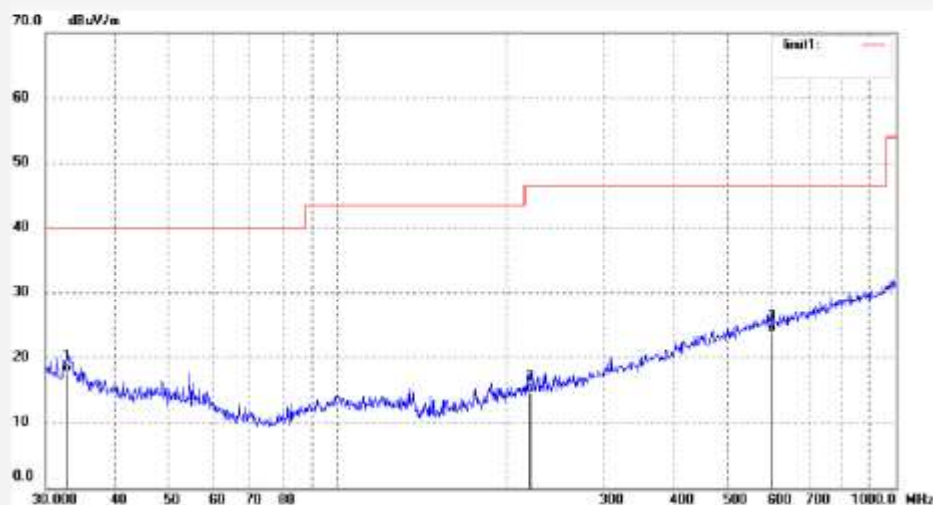
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.8637	27.58	-9.79	17.79	40.00	-22.21	QP			
2	221.3920	25.98	-11.43	14.55	46.40	-31.85	QP			
3	599.3212	26.21	-2.38	23.83	46.40	-22.57	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

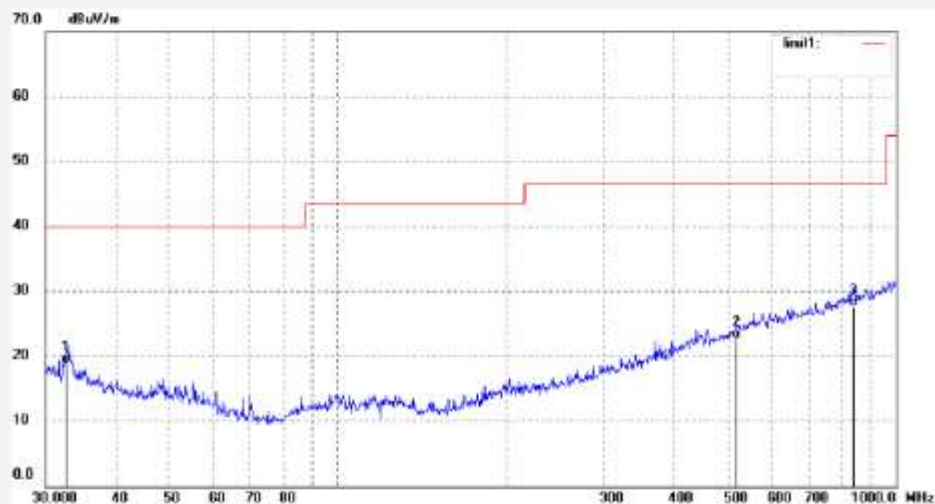
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lgwade #3907
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2443MHz
Model: RFS2.2C
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/10/29/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.6340	28.54	-9.71	18.83	40.00	-21.17	QP			
2	517.2480	26.57	-3.91	22.66	46.40	-23.74	QP			
3	839.1817	26.10	1.47	27.57	46.40	-18.83	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

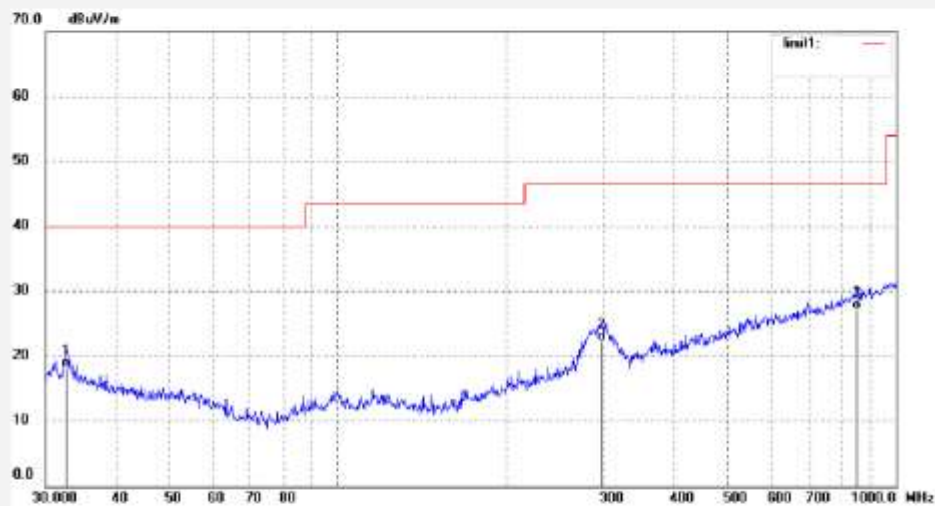
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lgwade #3906
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2443MHz
Model: RFS2.2C
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/10/29/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.6340	28.54	-10.19	18.35	40.00	-21.65	QP			
2	297.2241	31.40	-9.06	22.34	46.40	-24.06	QP			
3	848.0562	25.60	1.54	27.14	46.40	-19.26	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

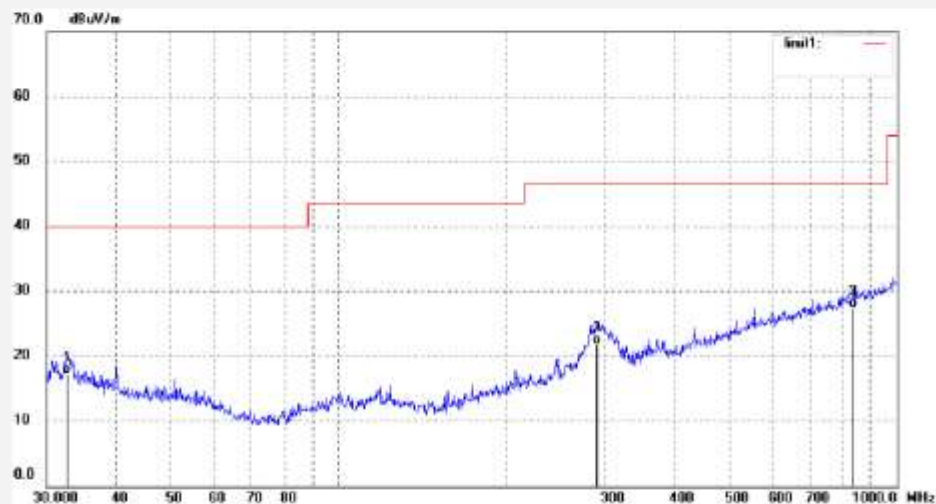
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lgwade #3905
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2403MHz
Model: RFS2.2C
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/10/29/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	27.41	-10.20	17.21	40.00	-22.79	QP			
2	290.0172	31.18	-9.31	21.87	46.40	-24.53	QP			
3	836.2441	25.91	1.45	27.36	46.40	-19.04	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

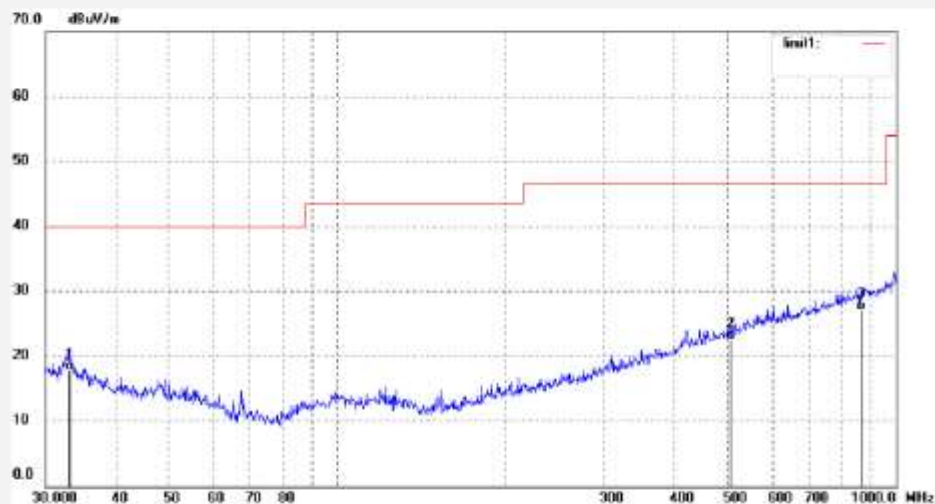
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lgwade #3904
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2403MHz
Model: RFS2.2C
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/10/29/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.0949	27.64	-9.86	17.78	40.00	-22.22	QP			
2	506.4791	26.70	-4.14	22.56	46.40	-23.84	QP			
3	866.0878	25.18	1.89	27.07	46.40	-19.33	QP			



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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lgwade #3909

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2481MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

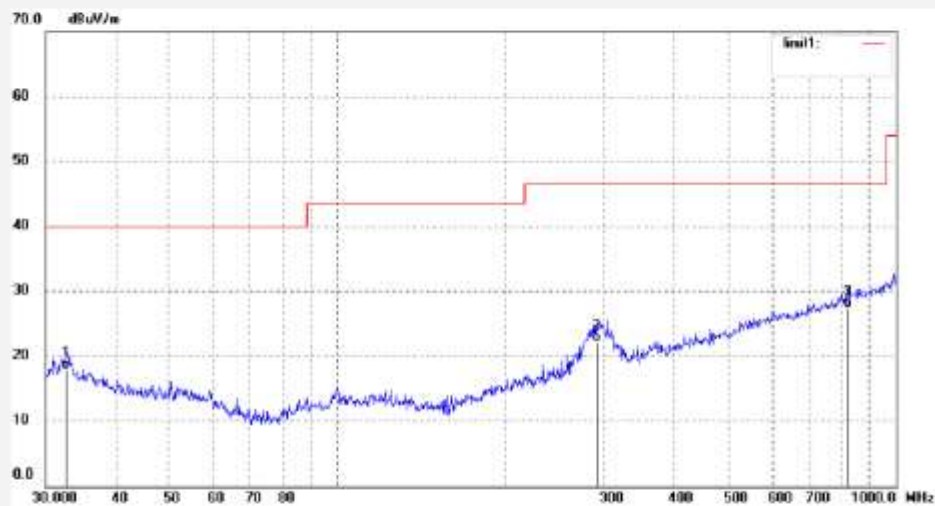
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	28.20	-10.20	18.00	40.00	-22.00	QP			
2	291.0360	31.35	-9.27	22.08	46.40	-24.32	QP			
3	818.8341	26.24	1.11	27.35	46.40	-19.05	QP			

1GHz - 18GHz



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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: lgwade #3916

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2481MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

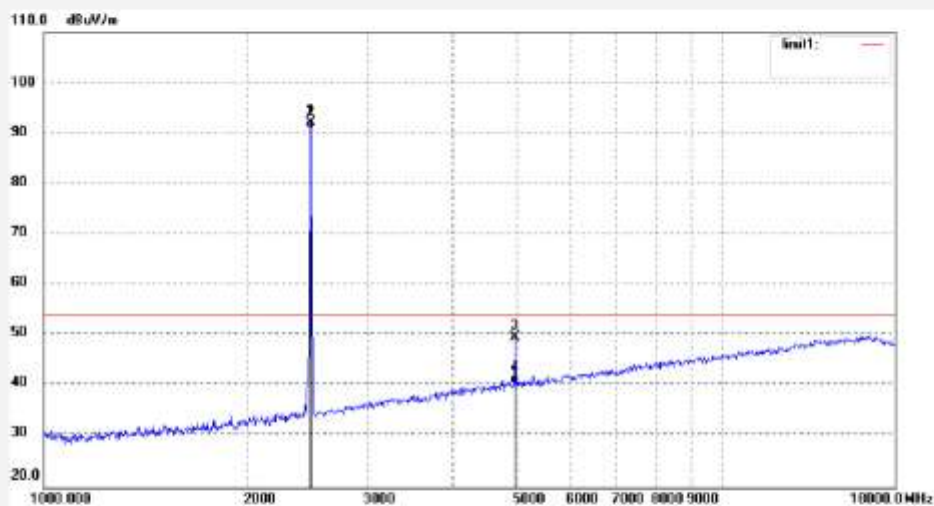
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2481.000	99.51	-7.37	92.14	114.00	-21.86	peak			
2	2481.000	98.41	-7.37	91.04	94.00	-2.96	AVG			
3	4962.027	49.10	0.52	49.62	74.00	-24.38	peak			
4	4962.027	39.81	0.52	40.33	54.00	-13.67	AVG			



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

Job No.: lgwade #3915

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2443MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

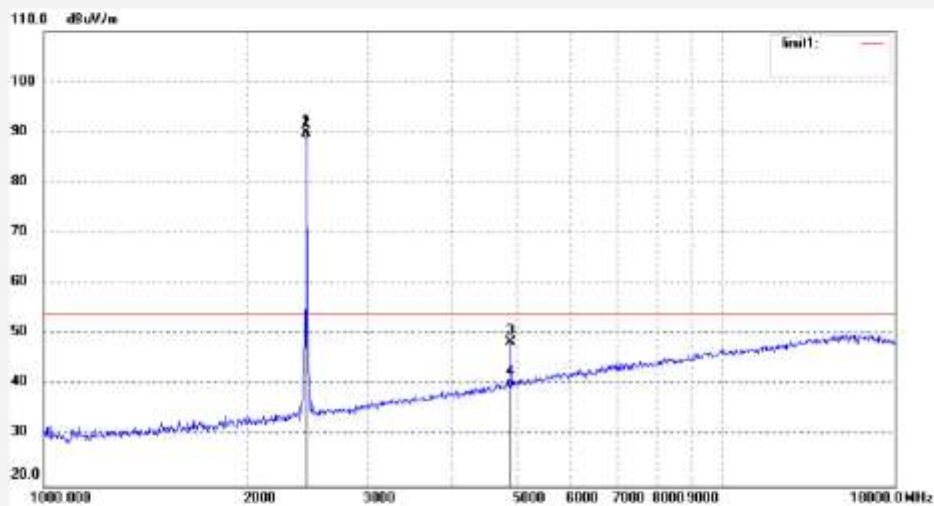
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2443.000	97.26	-7.35	89.91	114.00	-24.09	peak			
2	2443.000	96.16	-7.35	88.81	94.00	-5.19	AVG			
3	4886.028	48.27	0.16	48.43	74.00	-25.57	peak			
4	4886.028	39.38	0.16	39.54	54.00	-14.46	AVG			



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

Job No.: lgwade #3914

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2443MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

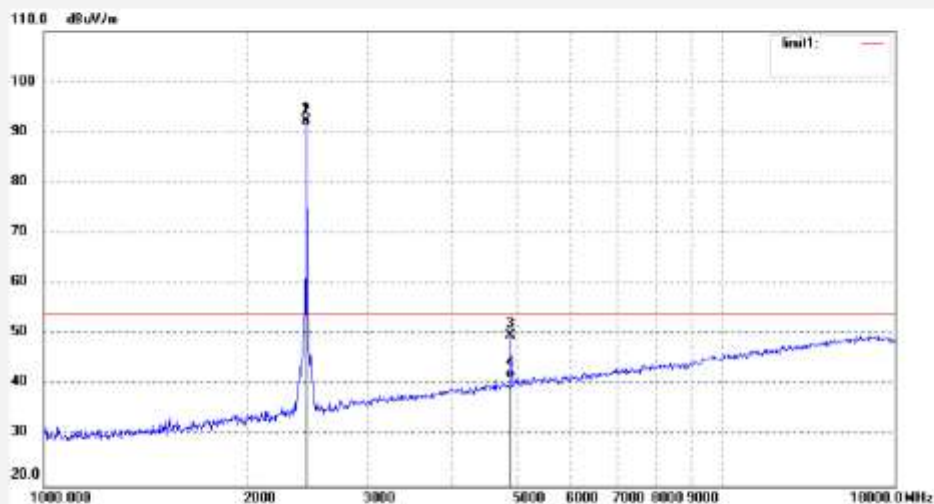
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2443.000	99.65	-7.35	92.30	114.00	-21.70	peak			
2	2443.000	98.55	-7.35	91.20	94.00	-2.80	AVG			
3	4886.025	49.56	0.16	49.72	74.00	-24.28	peak			
4	4886.025	41.06	0.16	41.22	54.00	-12.78	AVG			



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

Job No.: lgwade #3911

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2403MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

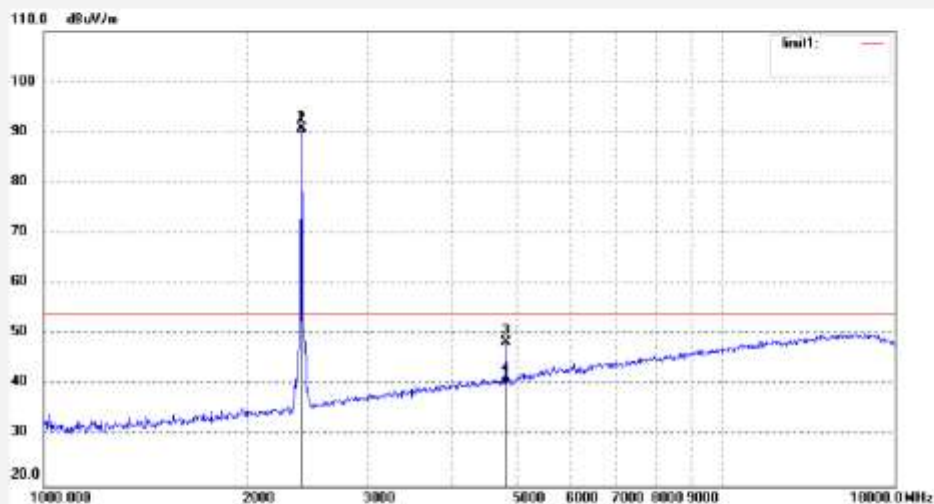
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2403.000	98.10	-7.45	90.65	114.00	-23.35	peak			
2	2403.000	97.00	-7.45	89.55	94.00	-4.45	AVG			
3	4806.027	48.79	-0.28	48.51	74.00	-25.49	peak			
4	4806.027	40.50	-0.28	40.22	54.00	-13.78	AVG			



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Fax:+86-0755-26503396

Job No.: lgwade #3910

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2403MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

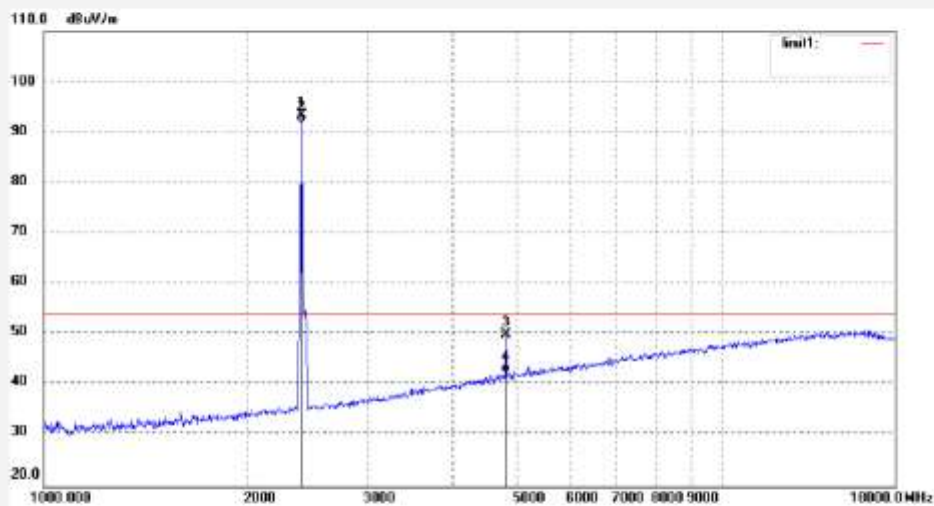
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2403.000	100.91	-7.45	93.46	114.00	-20.54	peak			
2	2403.000	99.29	-7.45	91.84	94.00	-2.16	AVG			
3	4806.027	50.42	-0.28	50.14	74.00	-23.86	peak			
4	4806.027	42.63	-0.28	42.35	54.00	-11.65	AVG			



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Fax:+86-0755-26503396

Job No.: lgwade #3917

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2481MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

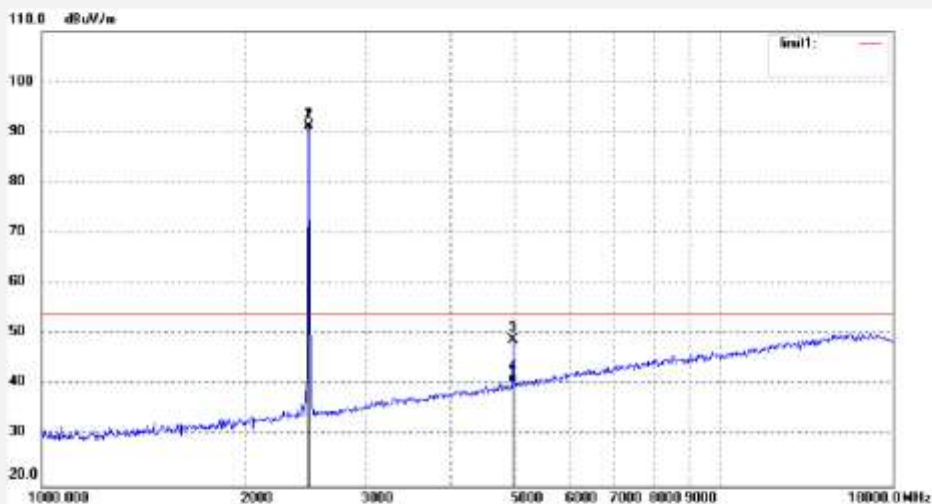
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2481.000	98.68	-7.37	91.31	114.00	-22.69	peak			
2	2481.000	97.58	-7.37	90.21	94.00	-3.79	AVG			
3	4962.026	48.39	0.52	48.91	74.00	-25.09	peak			
4	4962.026	39.85	0.52	40.37	54.00	-13.63	AVG			

18GHz - 26.5GHz



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Site: 2# Chamber

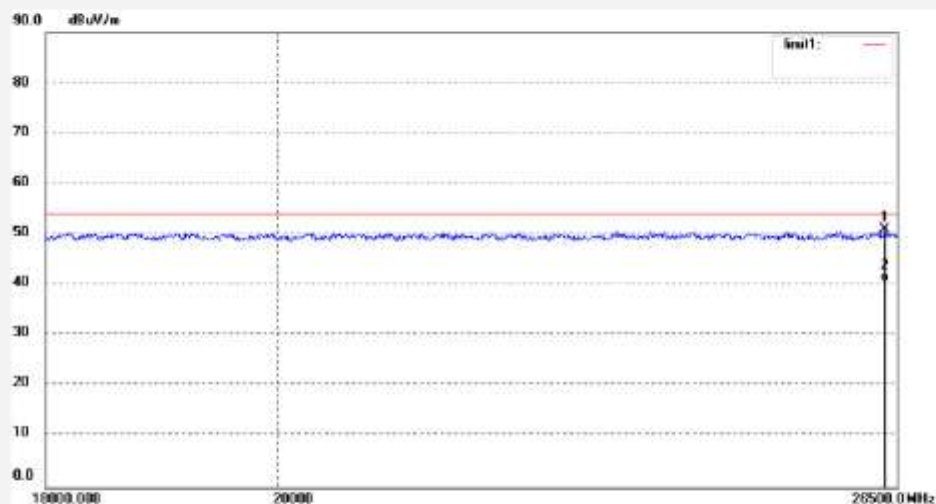
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lgwade #3924
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2481MHz
Model: RFS2.2C
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 2016/10/29
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26356.895	33.91	17.00	50.91	74.00	-23.09	peak			
2	26356.895	23.54	17.00	40.54	54.00	-13.46	AVG			



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Fax:+86-0755-26503396

Job No.: lgwade #3923

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2443MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

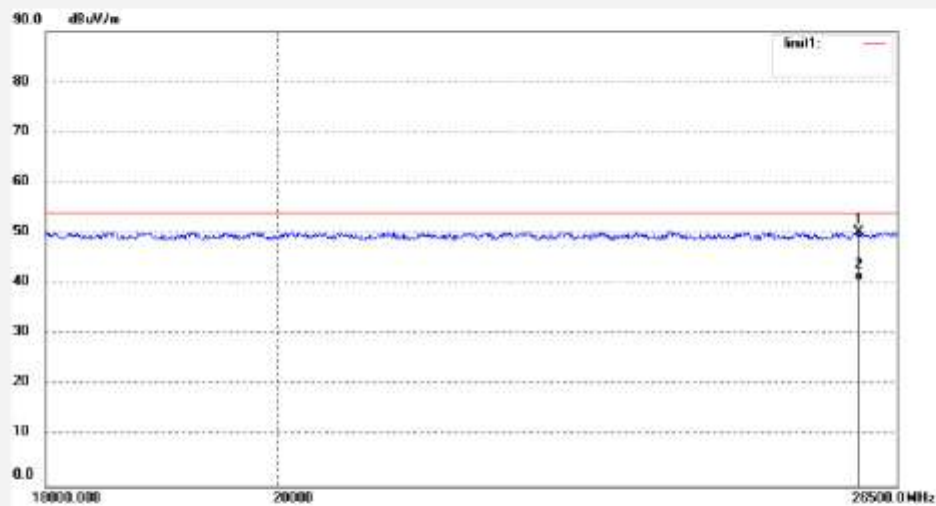
Date: 2016/10/29

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26042.764	33.03	17.20	50.23	74.00	-23.77	peak			
2	26042.764	23.47	17.20	40.67	54.00	-13.33	AVG			



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

Job No.: lgwade #3922

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2443MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

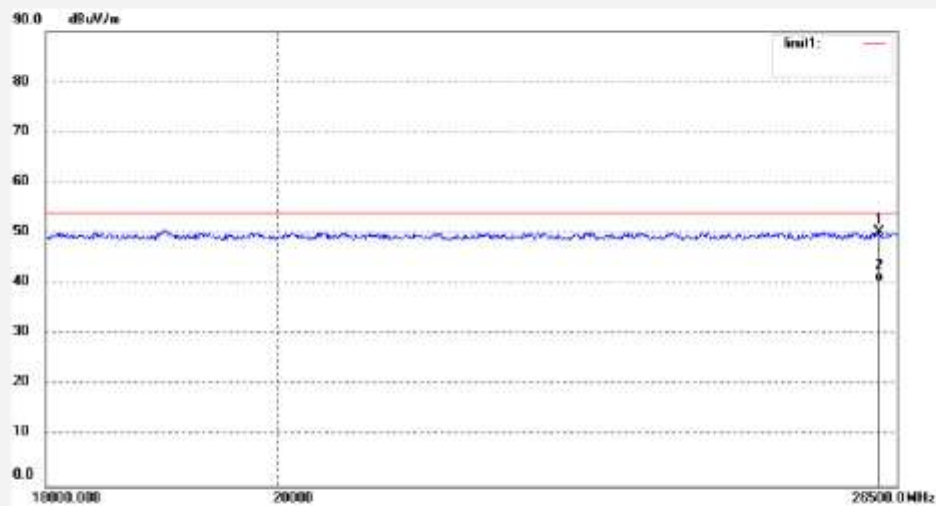
Date: 2016/10/29

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26285.633	33.75	16.50	50.25	74.00	-23.75	peak			
2	26285.633	23.85	16.50	40.35	54.00	-13.65	AVG			



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

Job No.: lgwade #3921

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2403MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

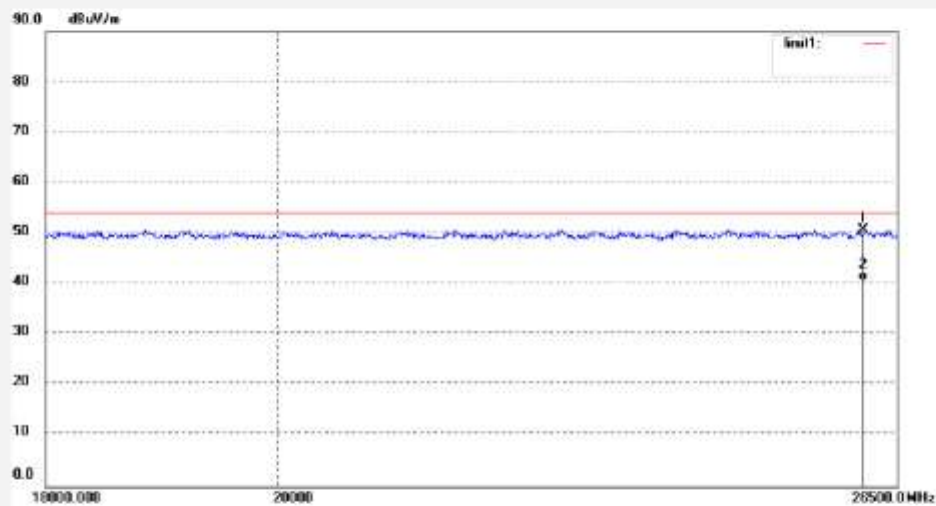
Date: 2016/10/29

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26103.270	34.15	16.50	50.65	74.00	-23.35	peak			
2	26103.270	24.08	16.50	40.58	54.00	-13.42	AVG			



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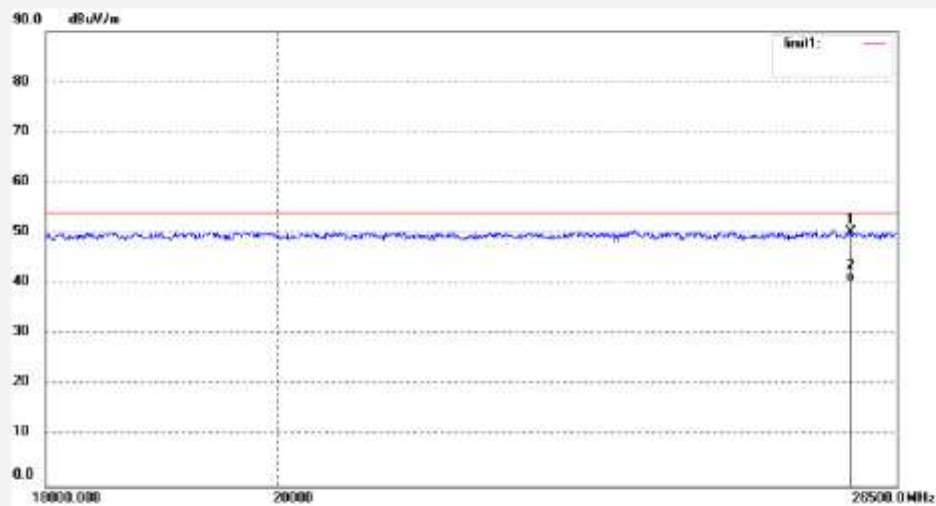
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lgwade #3920
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2403MHz
Model: RFS2.2C
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 2016/10/29
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25952.268	33.01	17.26	50.27	74.00	-23.73	peak			
2	25952.268	23.08	17.26	40.34	54.00	-13.66	AVG			



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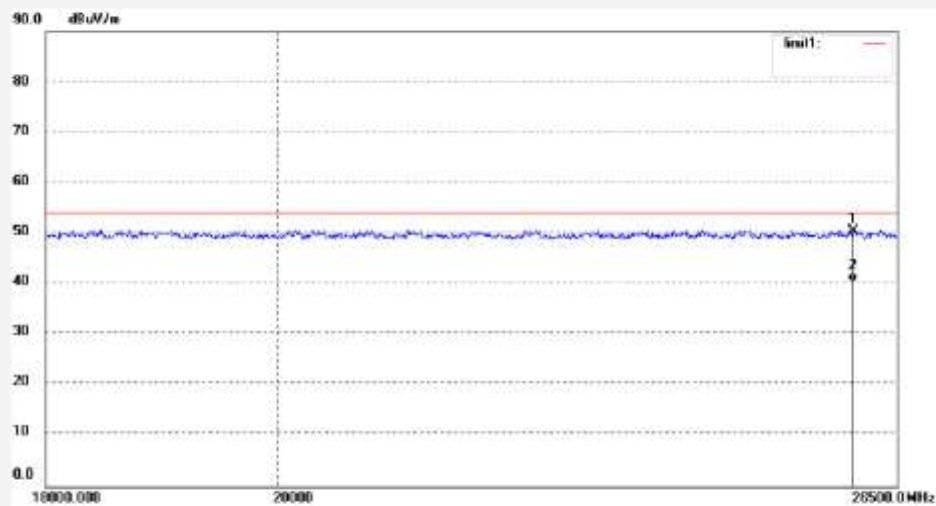
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lgwade #3925
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2481MHz
Model: RFS2.2C
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 2016/10/29
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25972.351	33.96	16.50	50.46	74.00	-23.54	peak			
2	25972.351	23.82	16.50	40.32	54.00	-13.68	AVG			

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

Low Channel



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Job No.: lgwade #3913

Standard: FCC Part 15 (Band Edge)

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2403MHz

Model: RFS2.2C

Manufacturer:

Polarization: Horizontal

Power Source: DC 3V

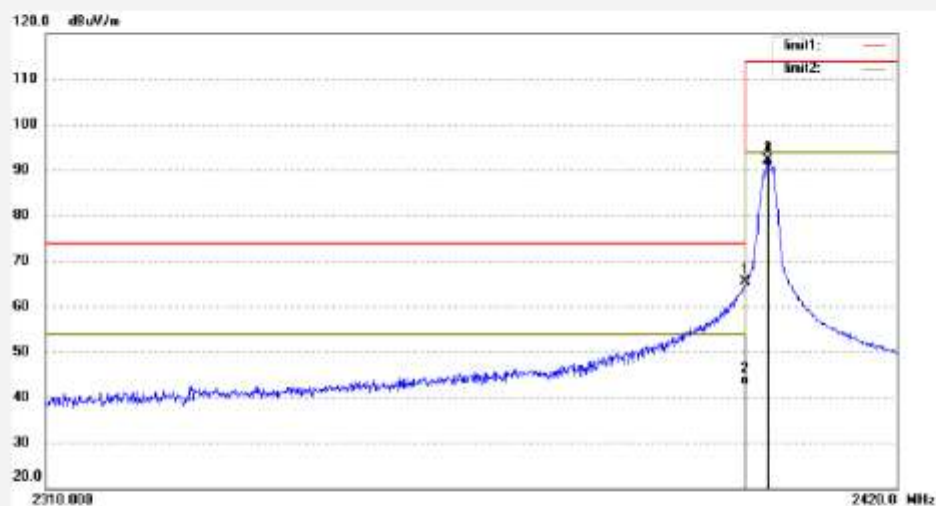
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	72.93	-7.46	65.47	74.00	-8.53	peak			
2	2400.000	50.00	-7.46	42.54	54.00	-11.46	AVG			
3	2403.000	99.49	-7.45	92.04	114.00	-21.96	peak			
4	2403.000	98.39	-7.45	90.94	94.00	-3.06	AVG			



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

Job No.: lgwade #3912

Standard: FCC Part 15 (Band Edge)

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2403MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

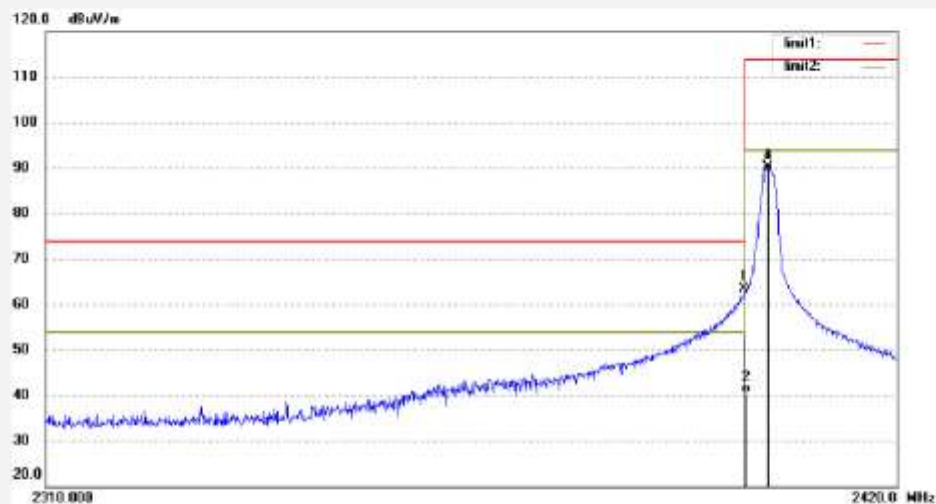
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	70.78	-7.46	63.32	74.00	-10.68	peak			
2	2400.000	47.93	-7.46	40.47	54.00	-13.53	AVG			
3	2403.000	97.58	-7.45	90.13	114.00	-23.87	peak			
4	2403.000	96.48	-7.45	89.03	94.00	-4.97	AVG			

High Channel



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: lgwade #3919

Standard: FCC Part 15 (Band Edge)

Test item: Radiation Test

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

EUT: broncolor RFS2.2

Mode: TX 2481MHz

Model: RFS2.2C

Manufacturer:

Polarization: Vertical

Power Source: DC 3V

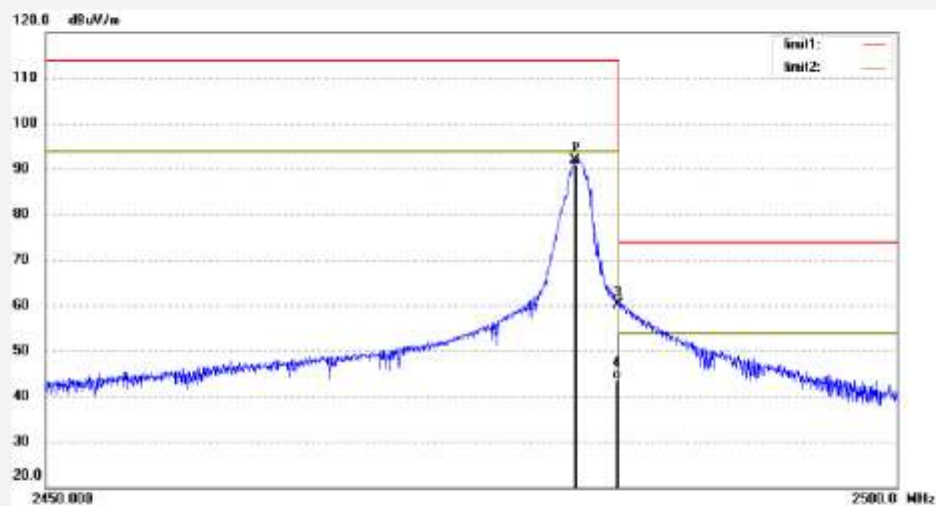
Date: 16/10/29/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2481.000	99.27	-7.37	91.90	114.00	-22.10	peak			
2	2481.000	98.17	-7.37	90.80	94.00	-3.20	AVG			
3	2483.500	67.41	-7.37	60.04	74.00	-13.96	peak			
4	2483.500	50.88	-7.37	43.51	54.00	-10.49	AVG			



ACCURATE TECHNOLOGY CO., LTD.

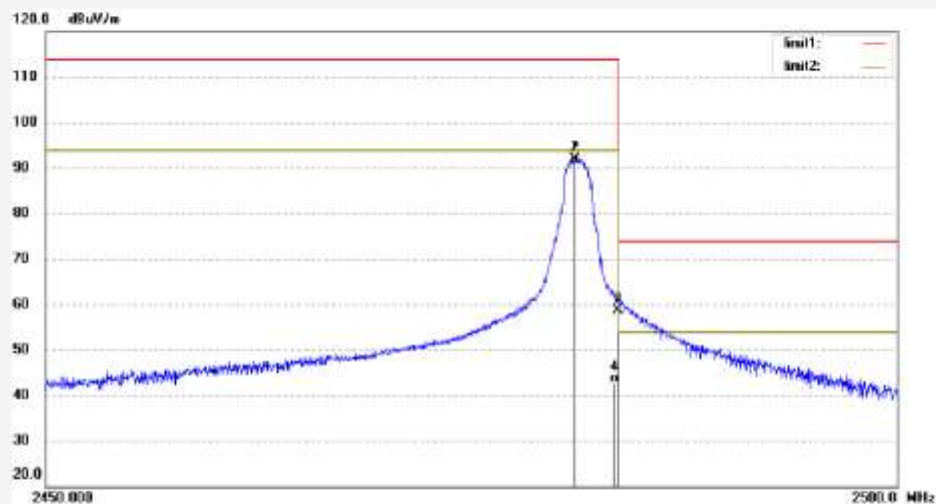
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lgwade #3918
Standard: FCC Part 15 (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: broncolor RFS2.2
Mode: TX 2481MHz
Model: RFS2.2C
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/10/29/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note: Broncolor



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2481.000	99.36	-7.37	91.99	114.00	-22.01	peak			
2	2481.000	98.26	-7.37	90.89	94.00	-3.11	AVG			
3	2483.500	65.88	-7.37	58.51	74.00	-15.49	peak			
4	2483.500	49.91	-7.37	42.54	54.00	-11.46	AVG			