

Prüfbericht-Nr.: <i>Test report no.:</i>	CN21NB1D 002	Auftrags-Nr.: <i>Order no.:</i>	168351799	Seite 1 von 89 <i>Page 1 of 89</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2022-01-14	
Auftraggeber: <i>Client:</i>	Felion Technologies Company Limited 304, 3/F, Fuxing Office Building, No.6 Binglang Road, Fubao Community, Futian District, Shenzhen, Guangdong province, China			
Prüfgegenstand: <i>Test item:</i>	ColorFlux Light Bulb			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	LB2202, LBA202 (Trademark: VOCOLinc, ATUVOS)			
Auftrags-Inhalt: <i>Order content:</i>	FCC and IC approval			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 2 February 2017 CFR47 FCC Part 15: Subpart C Section 15.207 RSS-Gen Issue 5 March 2019 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-102 Issue 5 February 2021			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2022-02-08	Please refer to photo documents		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003207688-002			
Prüfzeitraum: <i>Testing period:</i>	2022-02-09 – 2022-02-17			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	 Signed by: Chris Chen		genehmigt von: <i>authorized by:</i>	 Signed by: Lin Lin
Datum: <i>Date:</i>	2022-02-28		Ausstellungsdatum: <i>Issue date:</i>	2022-02-28
Stellung / Position	Section Manager		Stellung / Position	Reviewer
Sonstiges / Other:				
FCC ID: 2AXT8-LB2202 IC: 26783-LB2202 HVIN: LB2202, LBA202				
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) N/A = nicht anwendbar N/T = nicht getestet 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 = 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>				

V05

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 2 von 89
Page 2 of 89

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 99%dB BANDWIDTH

RESULT: Pass

5.1.5 6dB BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

Contents

1	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2	TEST SITES	4
2.1	TEST FACILITIES	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	5
2.3	TRACEABILITY	6
2.4	CALIBRATION	6
2.5	MEASUREMENT UNCERTAINTY.....	6
2.6	LOCATION OF ORIGINAL DATA.....	6
2.7	STATUS OF FACILITY USED FOR TESTING.....	6
3	GENERAL PRODUCT INFORMATION	7
3.1	PRODUCT FUNCTION AND INTENDED USE.....	7
3.2	RATINGS AND SYSTEM DETAILS	7
3.3	INDEPENDENT OPERATION MODES	8
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	8
3.5	SUBMITTED DOCUMENTS.....	8
4	TEST SET-UP AND OPERATION MODES	9
4.1	PRINCIPLE OF CONFIGURATION SELECTION	9
4.2	TEST OPERATION AND TEST SOFTWARE	9
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	9
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	9
4.5	TEST SETUP DIAGRAM	10
5	TEST RESULTS	12
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	12
5.1.1	<i>Antenna Requirement</i>	<i>12</i>
5.1.2	<i>Maximum Peak Conducted Output Power</i>	<i>13</i>
5.1.3	<i>Conducted Power Spectral Density</i>	<i>14</i>
5.1.4	<i>99%dB Bandwidth</i>	<i>17</i>
5.1.5	<i>6dB Bandwidth</i>	<i>20</i>
5.1.6	<i>Conducted Spurious Emissions Measured in 100 kHz Bandwidth</i>	<i>23</i>
5.1.7	<i>Radiated Spurious Emission</i>	<i>36</i>
5.1.8	<i>Conducted Emission on AC Mains.....</i>	<i>87</i>

Prüfbericht - Nr.: CN21NB1D 002
*Test Report No.:*Seite 4 von 89
Page 4 of 89

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: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Registration No.: 694916

IC Registration No.: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Signal Analyzer	R&S	FSV 40	101441	2022-08-09
OSP	R&S	OSP 150	101017	2022-12-02
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	R&S	WMS32 (V11.00.00)	N/A	N/A
Power Meter	R&S	NRP2	107105	2022-12-02
Wideband Power Sensor	R&S	NRP-Z81	105677	2022-08-09
Shielding Room 8#	Albatross	SR8	APC17151-SR8	2024-06-22
Unwanted Emission Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR 7	102021	2022-08-10
Signal Analyzer	R&S	FSV 40	101439	2022-08-09
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2022-08-09
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2022-08-09
Amplifier	R&S	SCU-18F	180070	2022-08-09
Amplifier	R&S	SCU40A	100475	2022-08-09
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2022-08-08
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2022-08-08
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2022-08-08
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2022-09-13
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-06-22
Conducted Emissions				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102428	2022-08-10
Artificial Mains Network	R&S	ENV216	102333	2022-08-10
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

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.

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-7}$
RF Power (conducted)	± 2.5 dB
Radiated Emission of Transmitter, valid up to 26.5 GHz	± 6 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	± 6 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB
Temperature	± 1 °C
Humidity	± 5 %
Voltage (DC)	± 1 %
Voltage (AC, <10kHz)	± 2 %

2.6 Location of Original Data

The original copies of all test data taken during actual testing were at 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 TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of 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 **ColorFlux Light Bulb** and it supports 2.4GHz Wi-Fi wireless technology.

Additional model LBA202 same as test model LB2202 except trademark difference for market purpose.

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	ColorFlux Light Bulb
Type Designation	LB2202
Additional Model	LBA202
Trade Mark	VOCOLinc, ATUVOS
FCC ID	2AXT8-LB2202
IC	26783-LB2202
HVIN	LB2202, LBA202
Operating Voltage	AC 120V, 60Hz

Technical Specification of Wi-Fi 802.11 b/g/n	
Operating Frequency	2412 - 2462 MHz for 802.11b/g/n(HT20)
Type of Modulation	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM)
Data Rate	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 for 802.11n
Channel Number	11 channels for 802.11b/g/n(HT20)
Channel Separation	5 MHz
Antenna Type	PCB Antenna
Max. Antenna Gain	0.00 dBi

Table 3: RF Channel and Frequency of Wi-Fi 802.11 b/g/n

RF Channel	802.11 b/g/n(HT20)
	Frequency (MHz)
01	2412
02	2417
03	2422
04	2427
05	2432
06	2437
07	2442
08	2447
09	2452
10	2457
11	2462

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Wi-Fi transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Wi-Fi connecting mode
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

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

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

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

4.2 Test Operation and Test Software

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

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
iPad	Apple	iPad 3	N/A
Notebook	Lenovo	ThinkPad X260	N/A

4.4 Countermeasures to Achieve EMC Compliance

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

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

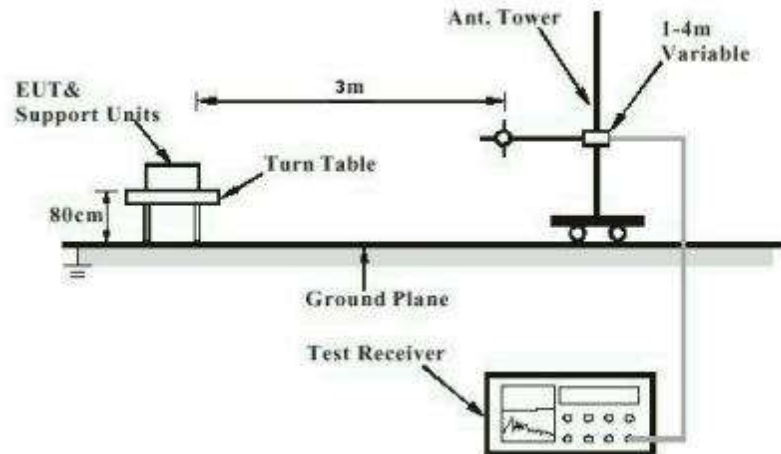


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

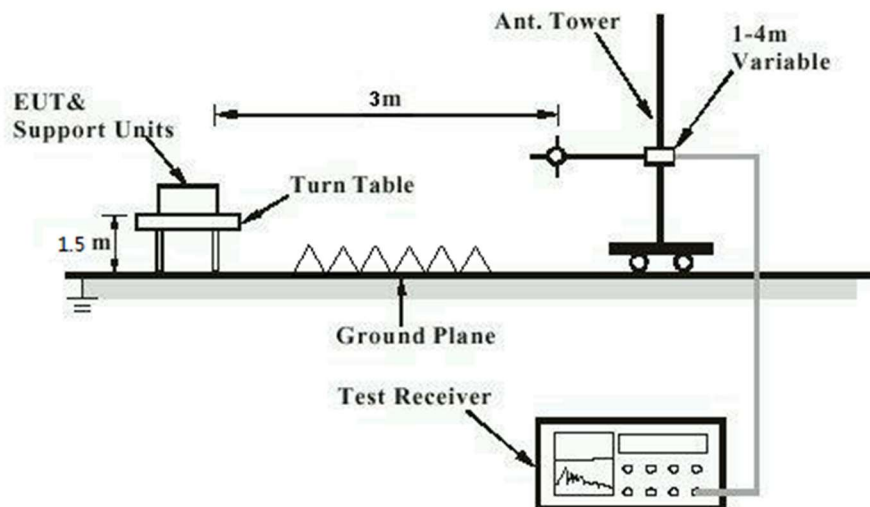


Diagram of Measurement Configuration for Mains Conduction Measurement

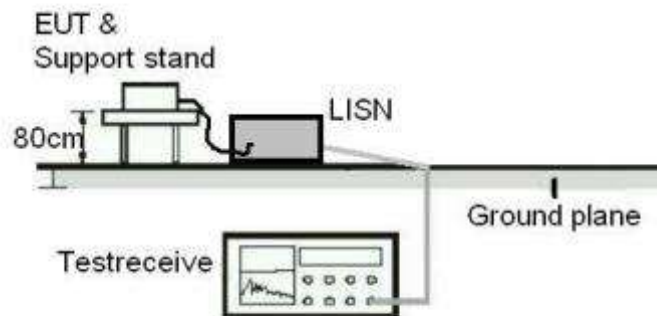
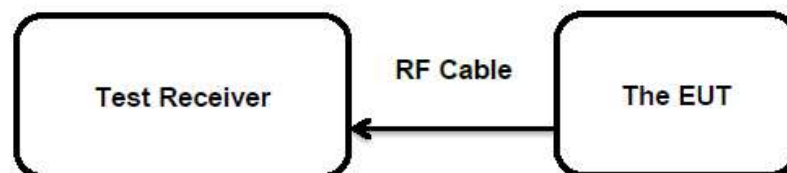


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

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

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

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

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard	: FCC Part 15.247(b)(3)
	: RSS-247 Clause 5.4(2)&(4)
Basic standard	: ANSI C63.10: 2013
Limits	: < 1 Watt (Maximum Conducted Peak Power)
	: e.i.r.p. <4W
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 11.02.2022
Input voltage	: DC 5V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 5: Test Result of Maximum Peak Conducted Output Power, Wi-Fi 802.11 b/g/n

Mode	802.11b			802.11g		
Data Rate	1Mbps			6Mbps		
Channel	1	6	11	1	6	11
Frequency (MHz)	2412	2437	2462	2412	2437	2462
Peak. Power (dBm)	20.1	19.6	18.9	24.1	23.6	24.0
Mode	802.11n HT20					
Data Rate	MCS0 6.5Mbps					
Channel	1	6	11			
Frequency(MHz)	2412	2437	2462			
Peak. Power (dBm)	23.4	23.4	23.1			

Note: The cable loss is taken into account in results and the e.i.r.p. is 24.1 dBm less than 4W (36 dBm).

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 14 von 89
Page 14 of 89

5.1.3 Conducted Power Spectral Density

RESULT:
Pass
Test Specification

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

Test Setup

Date of testing	: 11.02.2022
Input voltage	: DC 5V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 6: Test Result of Power Spectral Density

Test Mode	Data Rate	Frequency (MHz)	Measured Peak Power Spectral Density (dBm/3KHz)
802.11b	1 Mbps	2412	-4.54
		2437	-4.91
		2462	-4.98
802.11g	6 Mbps	2412	-9.27
		2437	-9.67
		2462	-9.20
802.11n (HT20)	MCS0	2412	-10.19
		2437	-10.02
		2462	-9.49
Maximum Measured Value			-4.54

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

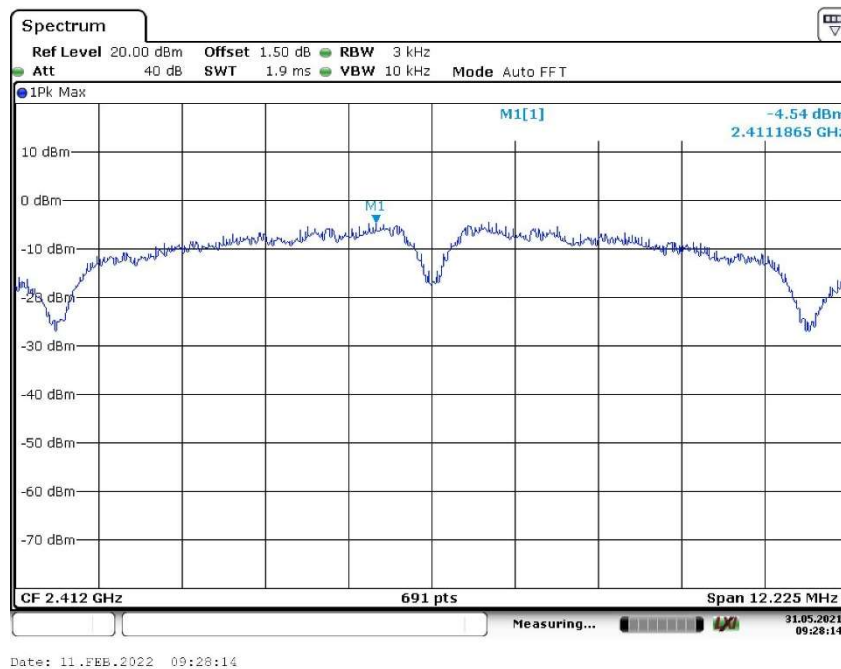
Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 15 von 89
 Page 15 of 89

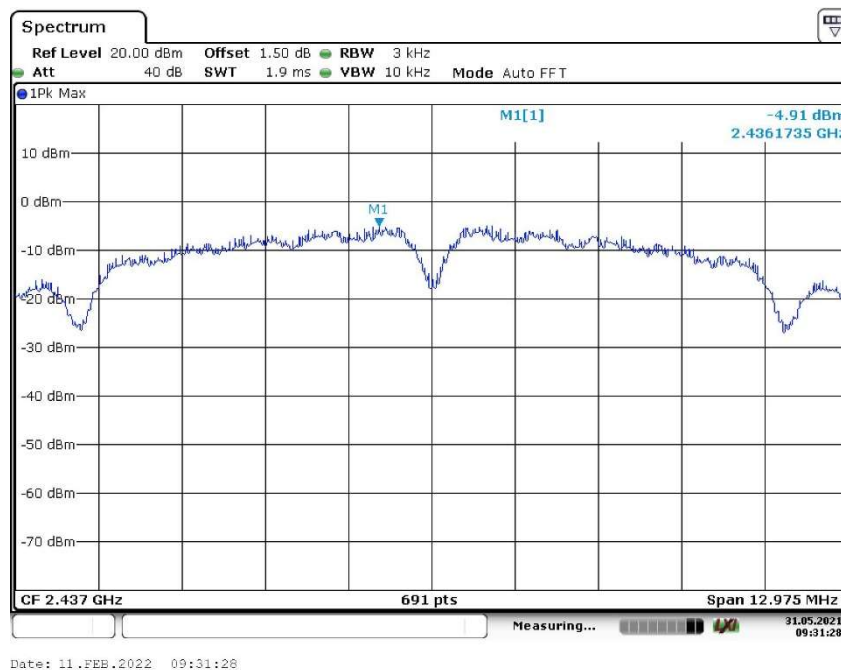
The Maximum Value as below showed:

Wi-Fi 802.11 b mode, 1 Mbps

Low Channel



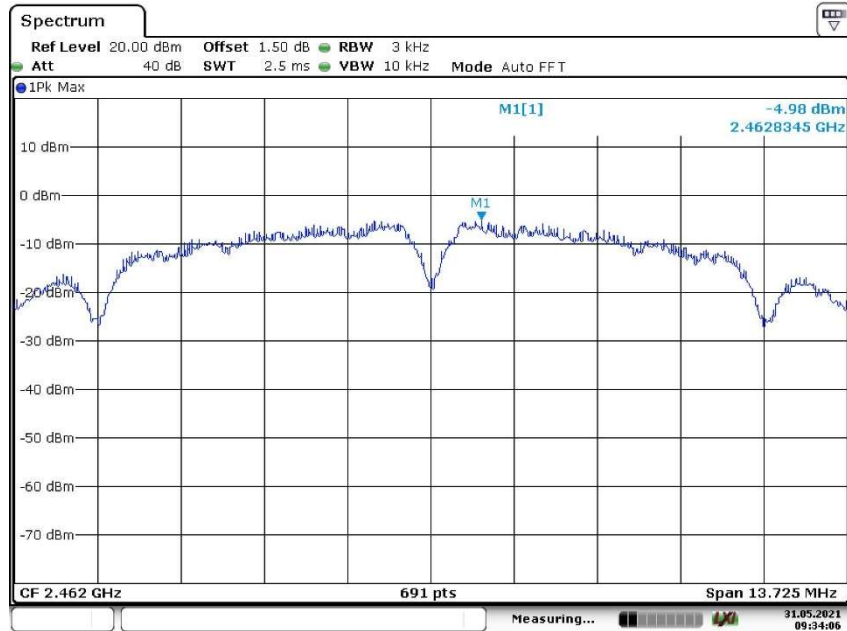
Middle Channel



Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 16 von 89
 Page 16 of 89

High Channel



Date: 11.FEB.2022 09:34:06

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 17 von 89
Page 17 of 89

5.1.4 99%dB Bandwidth

RESULT:
Pass
Test Specification

Test standard : RSS-Gen clause 6.7
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 11.02.2022
Input voltage : DC 5V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

For details refer to following test result.

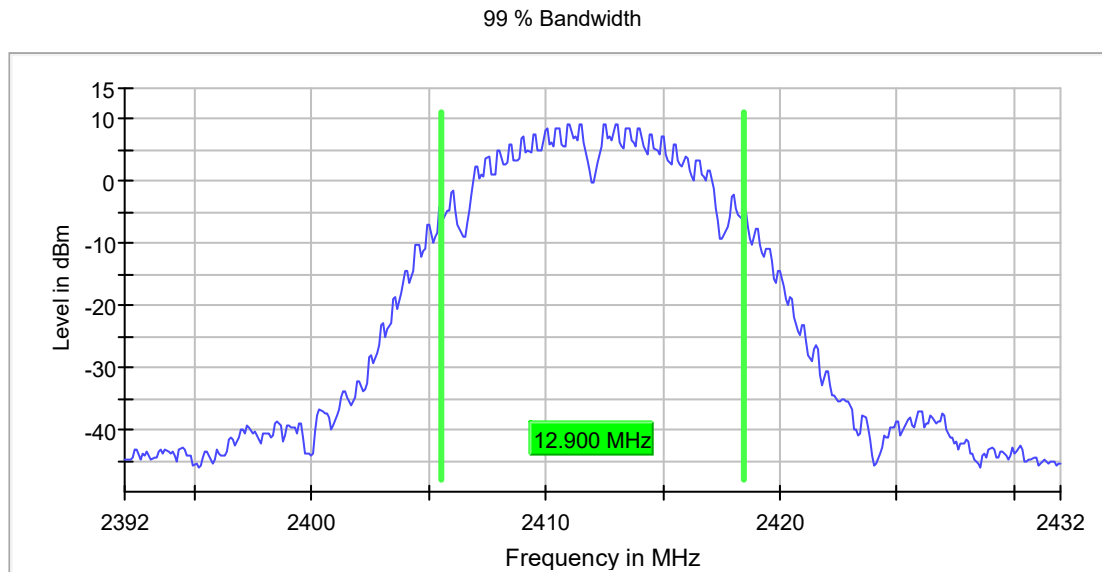
Table 7: Test Result of 99% Bandwidth

Test Mode	Data Rate	Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
802.11b	1 Mbps	2412	12.90	/
		2437	12.90	
		2462	12.90	
802.11g	6 Mbps	2412	16.50	
		2437	16.60	
		2462	16.70	
802.11n (HT20)	MCS0	2412	17.70	
		2437	17.70	
		2462	17.70	
Minimum Measured Value			12.90	

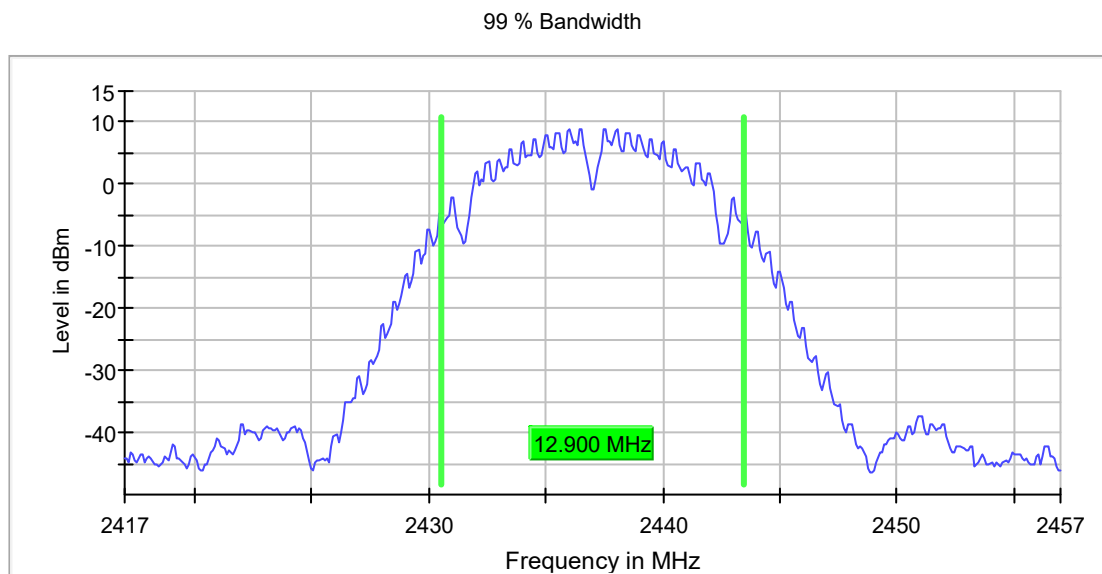
The Minimum Value as below showed:

Wi-Fi 802.11 b mode, 1 Mbps

Low Channel
 RBW=300KHz, VBW=1MHz



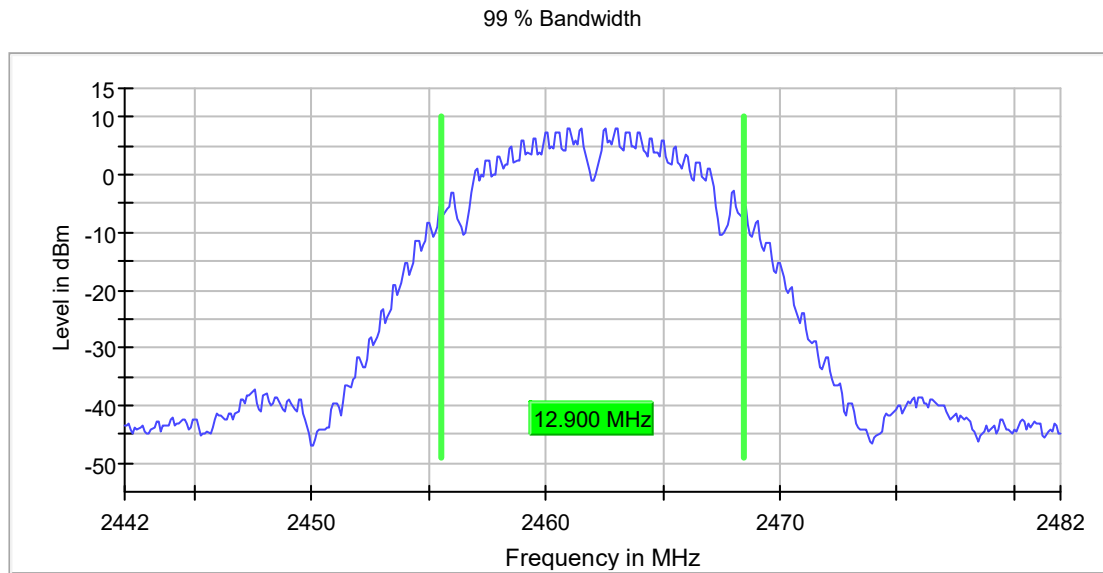
Middle Channel
 RBW=300KHz, VBW=1MHz



Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 19 von 89
Page 19 of 89

High Channel
RBW=300KHz, VBW=1MHz



Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 20 von 89
Page 20 of 89

5.1.5 6dB Bandwidth

RESULT:
Pass
Test Specification

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

Test Setup

Date of testing : 11.02.2022
 Input voltage : DC 5V
 Operation mode : A
 Test channel : Low / Middle / High
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.

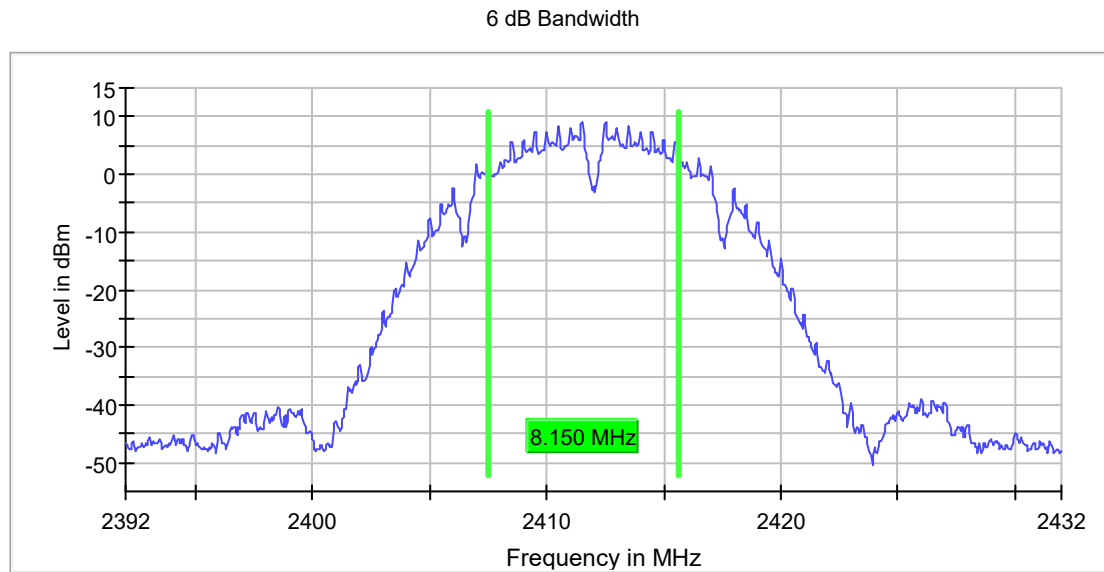
Table 8: Test Result of 6dB Bandwidth

Test Mode	Data Rate	Frequency (MHz)	-6dB Bandwidth (MHz)	Limit (kHz)
802.11b	1 Mbps	2412	8.15	> 500
		2437	8.65	
		2462	9.15	
802.11g	6 Mbps	2412	16.40	
		2437	16.45	
		2462	16.45	
802.11n (HT20)	MCS0	2412	17.65	
		2437	17.65	
		2462	17.50	
Minimum Measured Value			8.15	

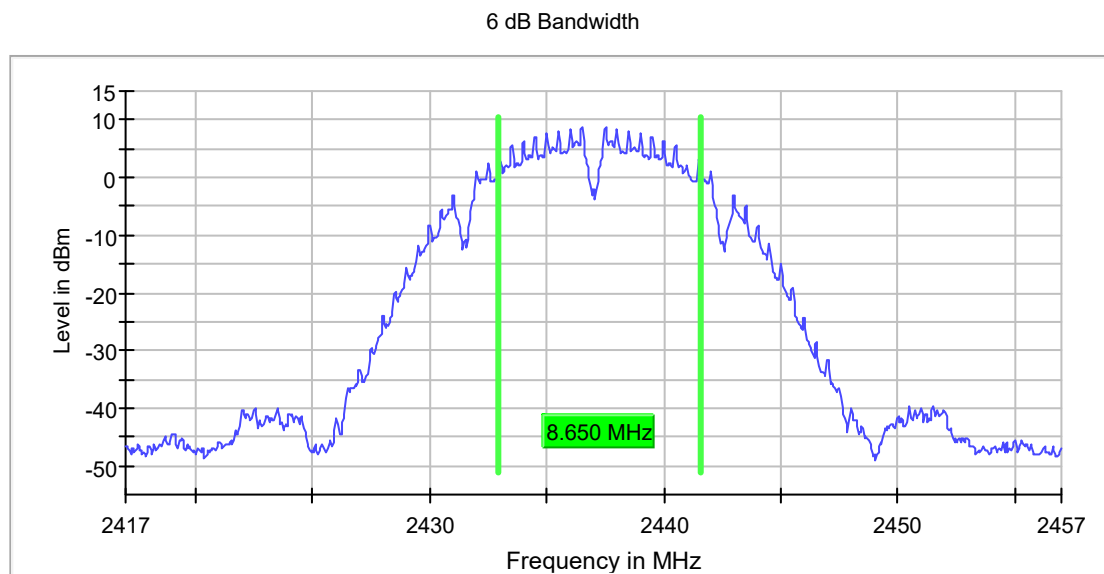
The Minimum Value as below showed:

Wi-Fi 802.11 b mode, 1 Mbps

Low Channel
 RBW=100KHz, VBW=300KHz



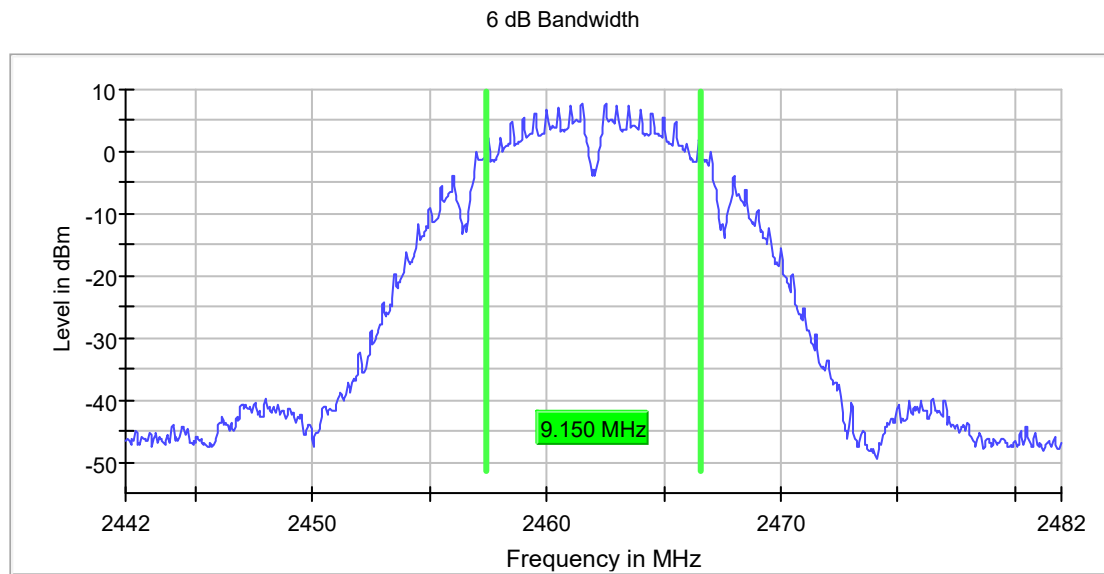
Middle Channel
 RBW=100KHz, VBW=300KHz



Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 22 von 89
Page 22 of 89

High Channel
RBW=100KHz, VBW=300KHz



Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:Seite 23 von 89
Page 23 of 89**5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth****RESULT:****Pass****Test Specification**

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

Test Setup

Date of testing	: 11.02.2022
Input voltage	: DC 5V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

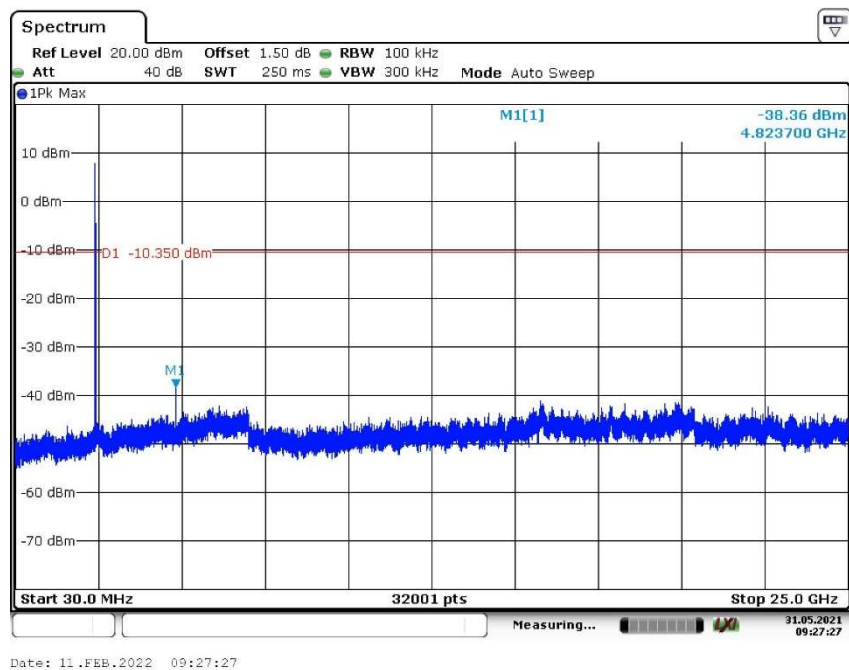
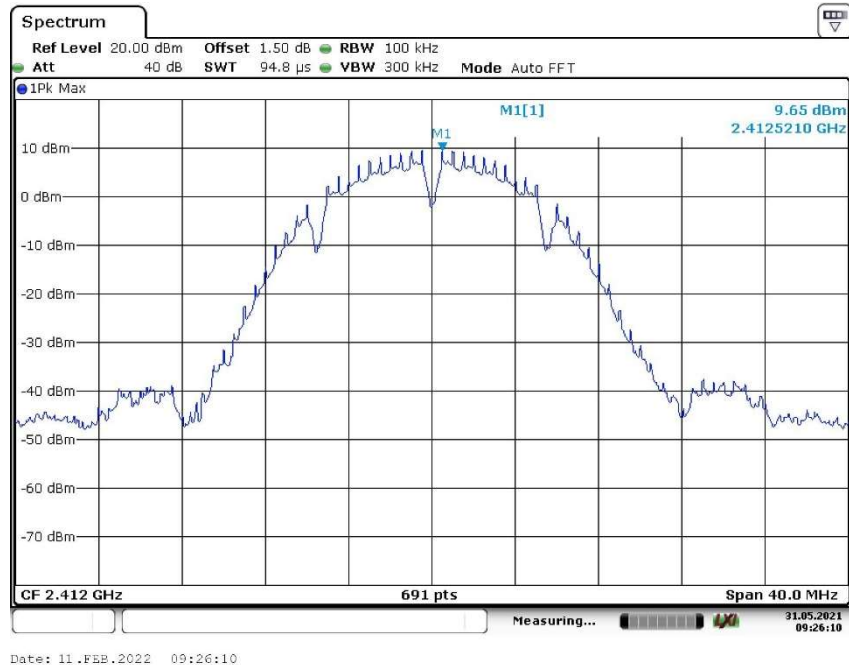
Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For details refer to following test result.

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 24 von 89
Page 24 of 89

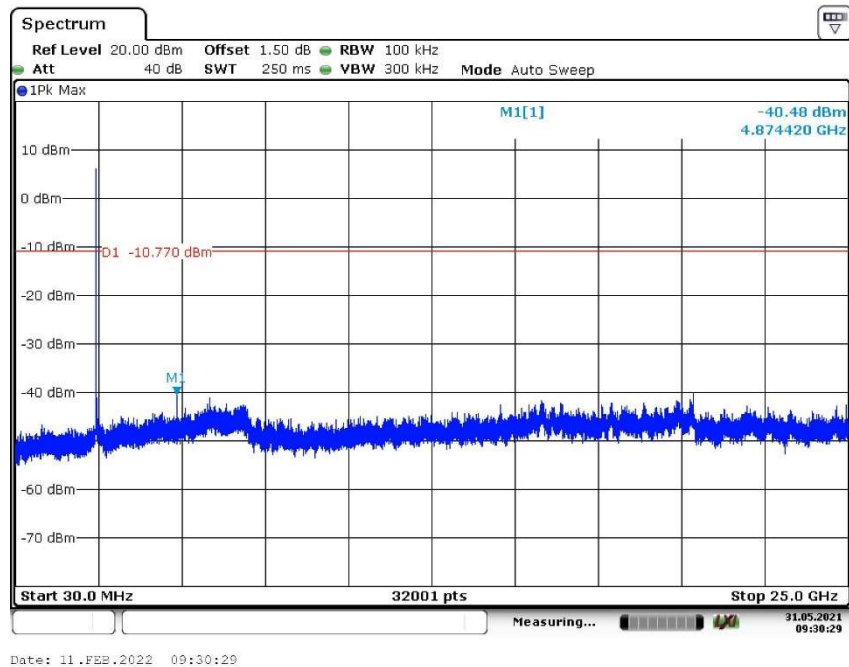
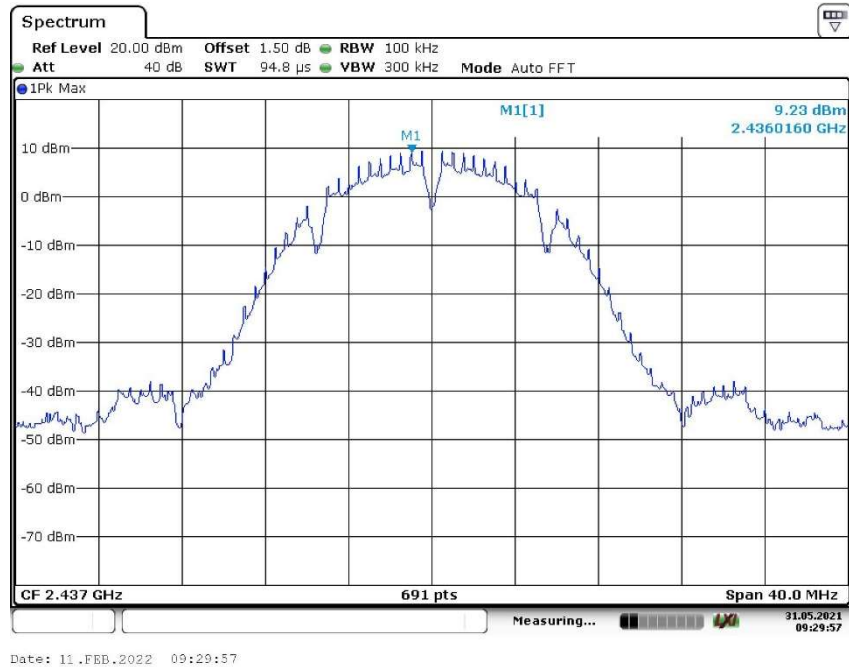
Wi-Fi 802.11 b mode, 1 Mbps
Low Channel



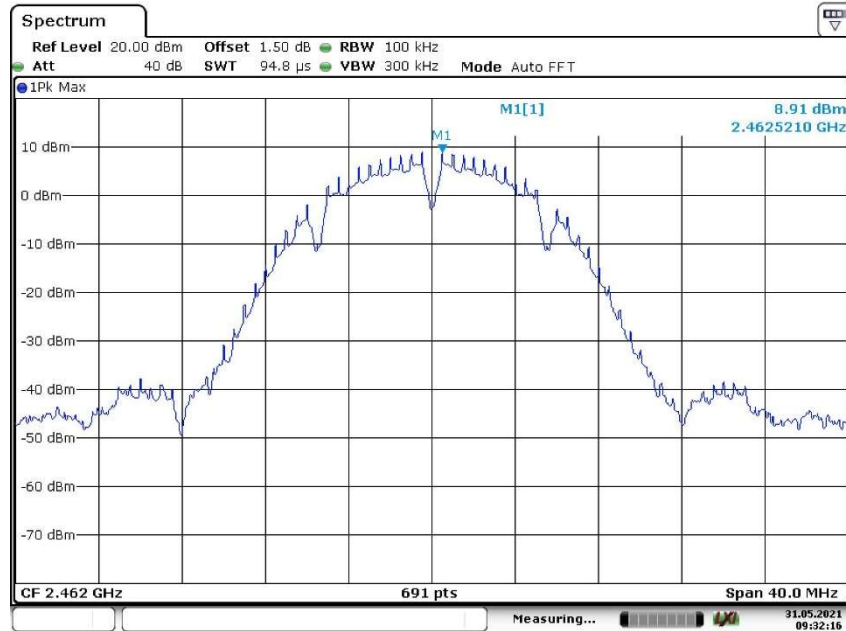
Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 25 von 89
Page 25 of 89

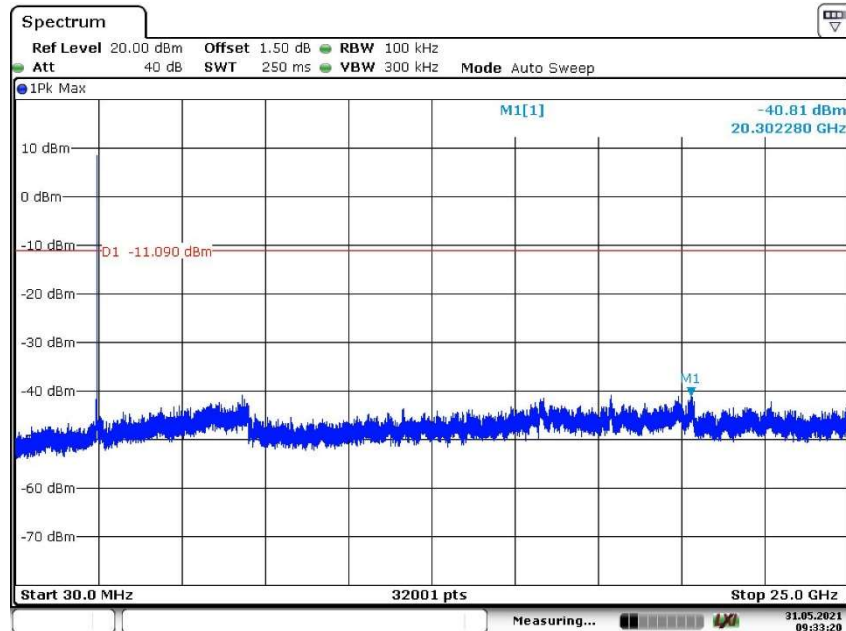
Middle Channel



High Channel



Date: 11.FEB.2022 09:32:15

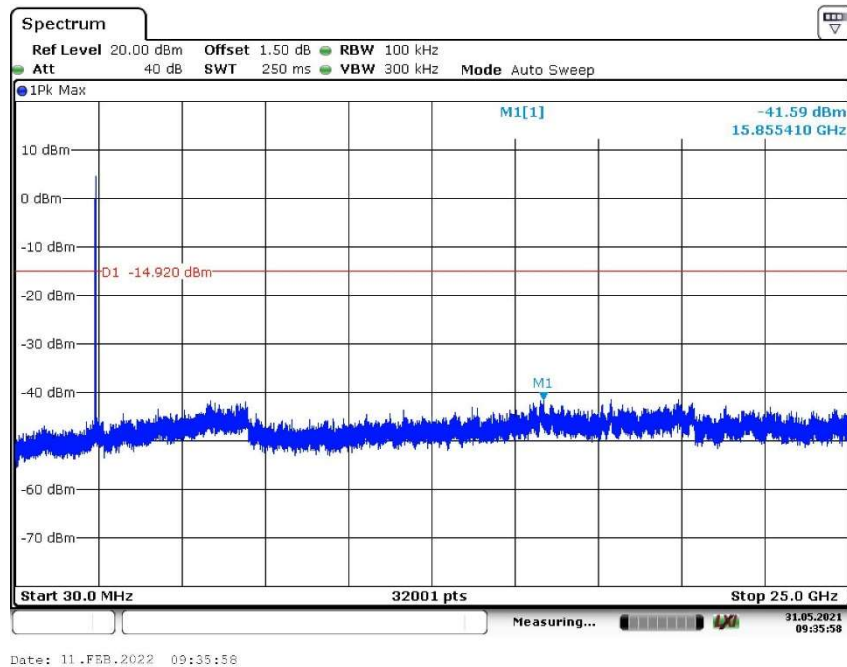
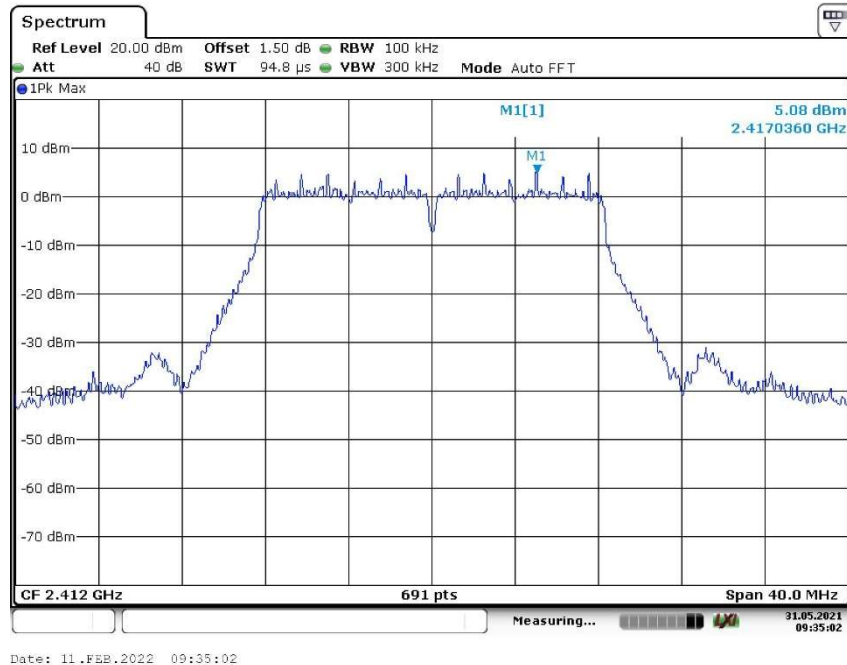


Date: 11.FEB.2022 09:33:20

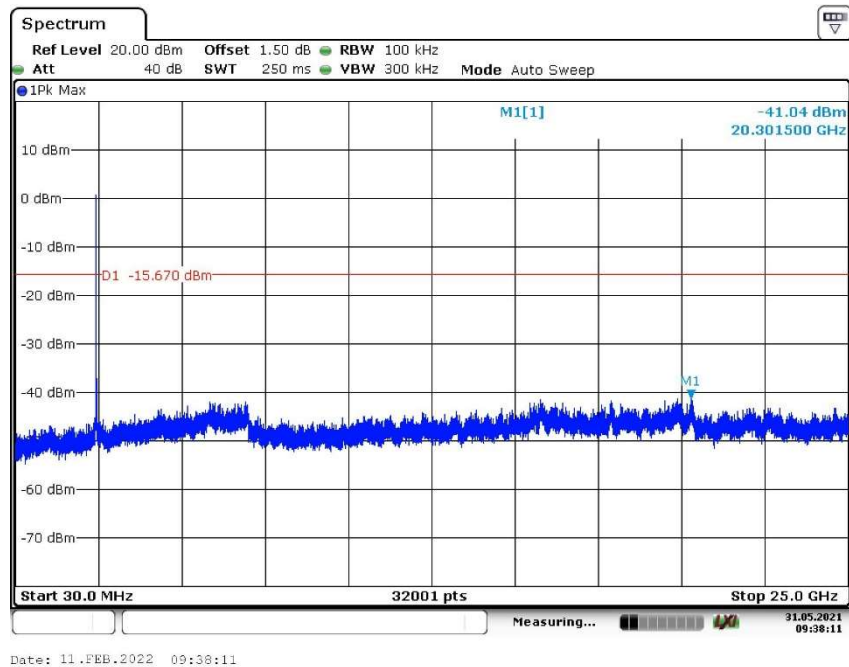
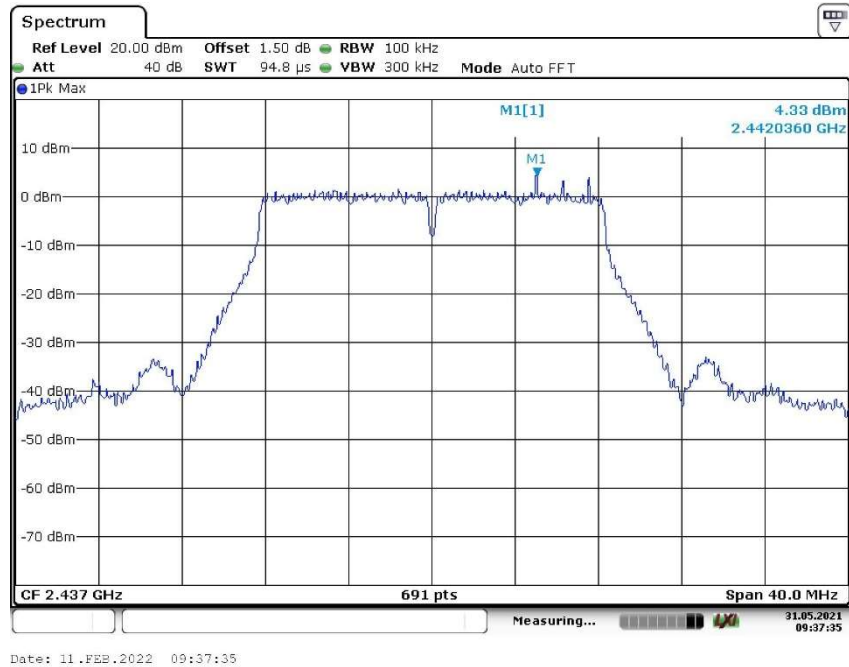
Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 27 von 89
Page 27 of 89

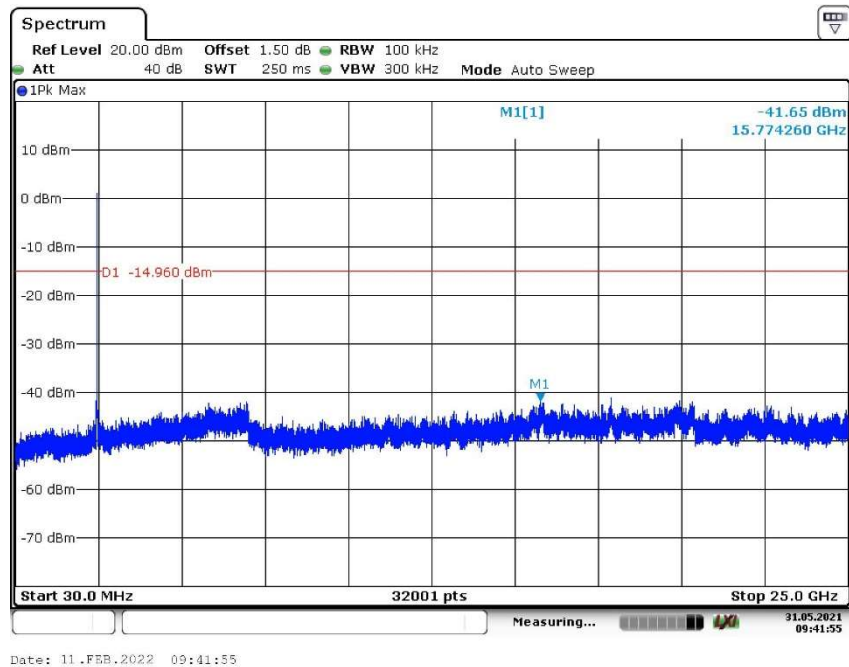
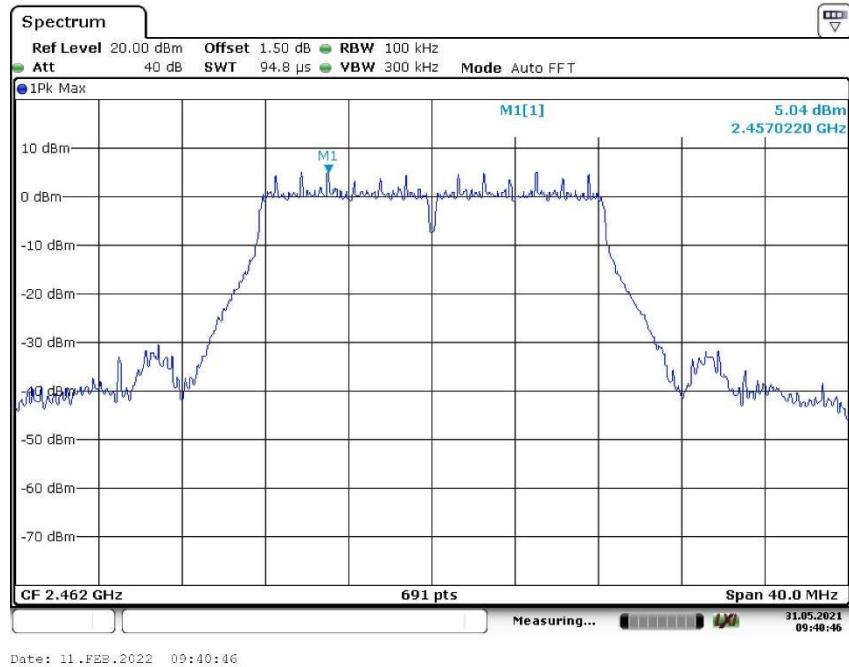
Wi-Fi 802.11 g mode, 6 Mbps
Low Channel



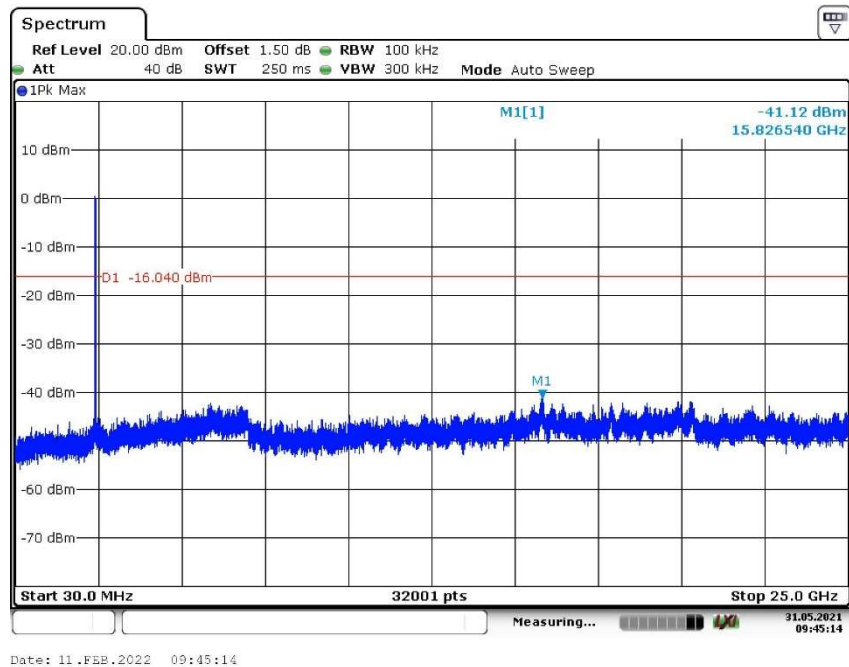
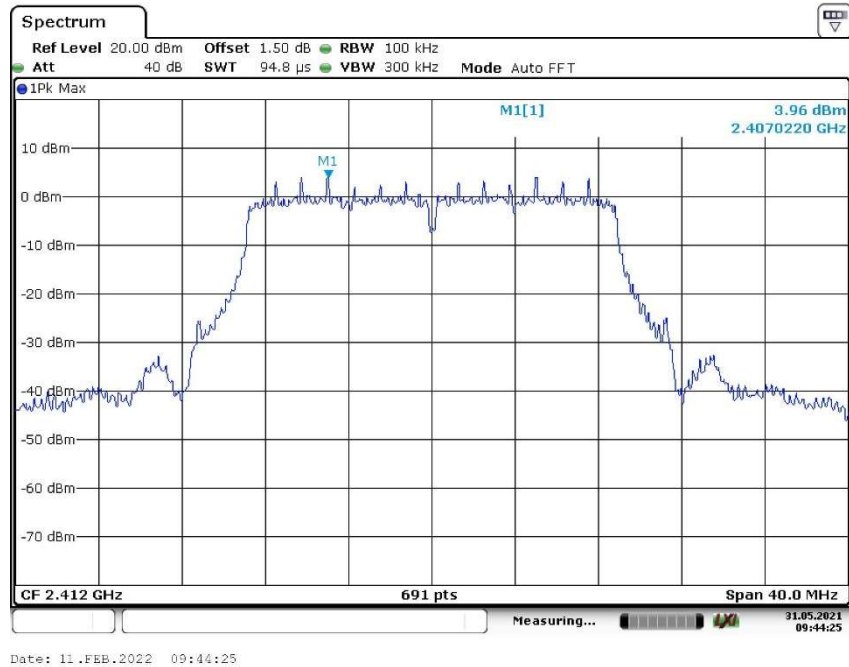
Middle Channel



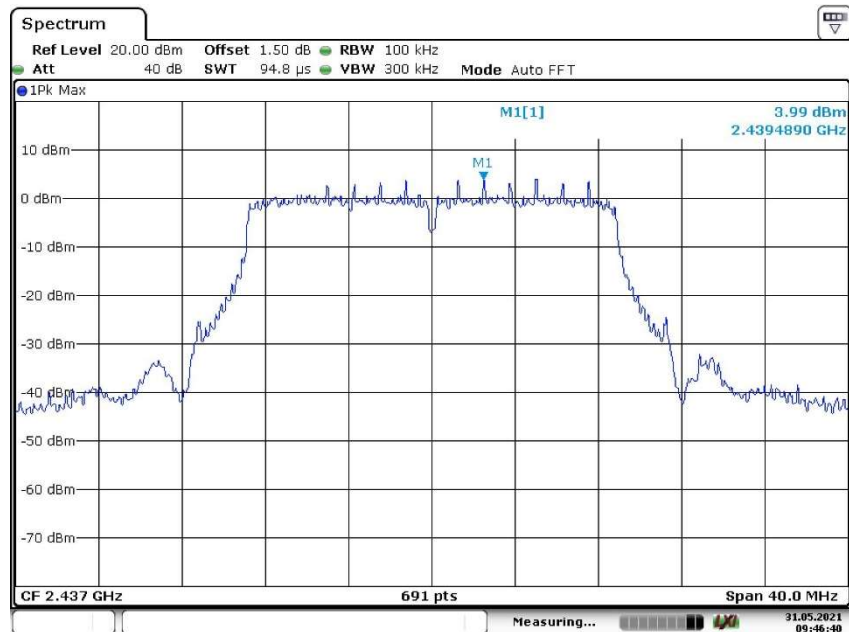
High Channel



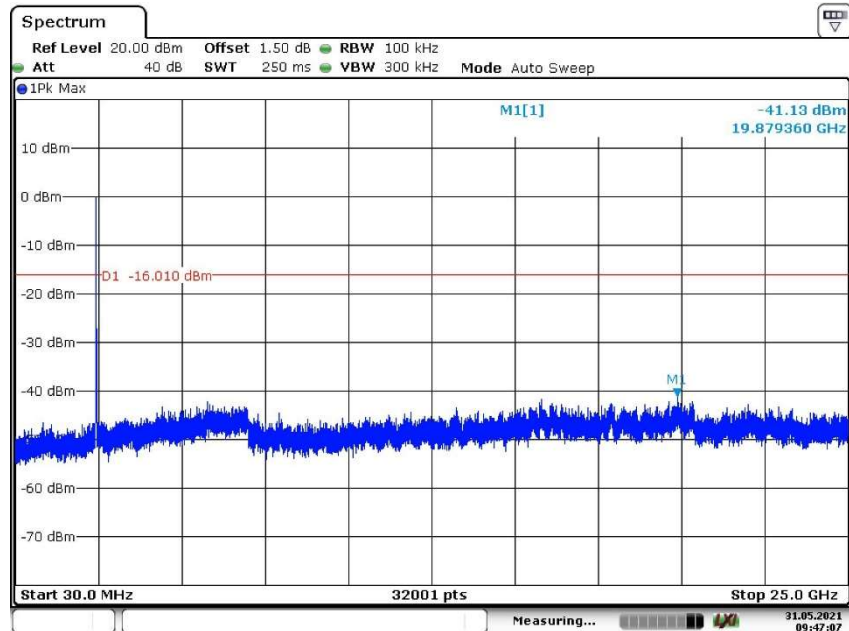
Wi-Fi 802.11 n(HT20) mode, MCS0
Low Channel



Middle Channel

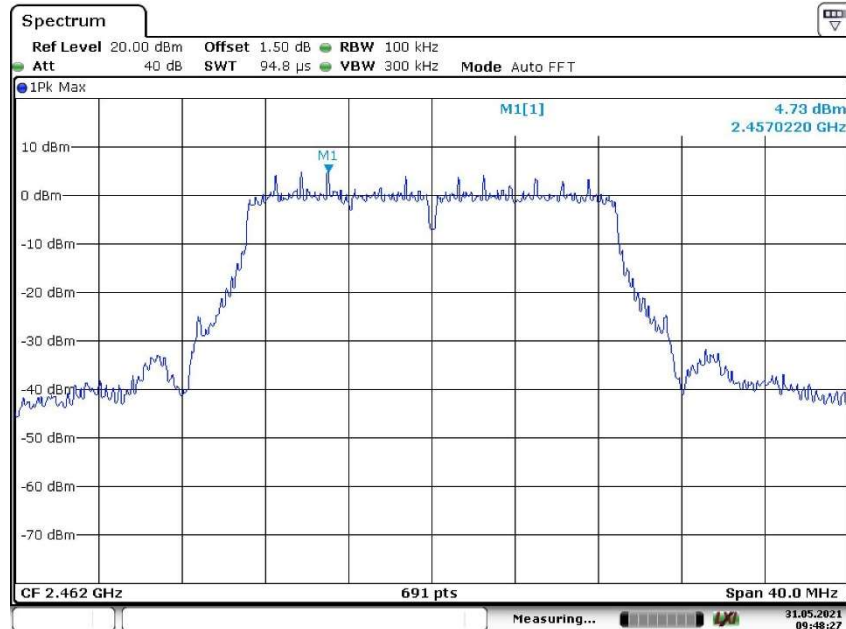


Date: 11.FEB.2022 09:46:40

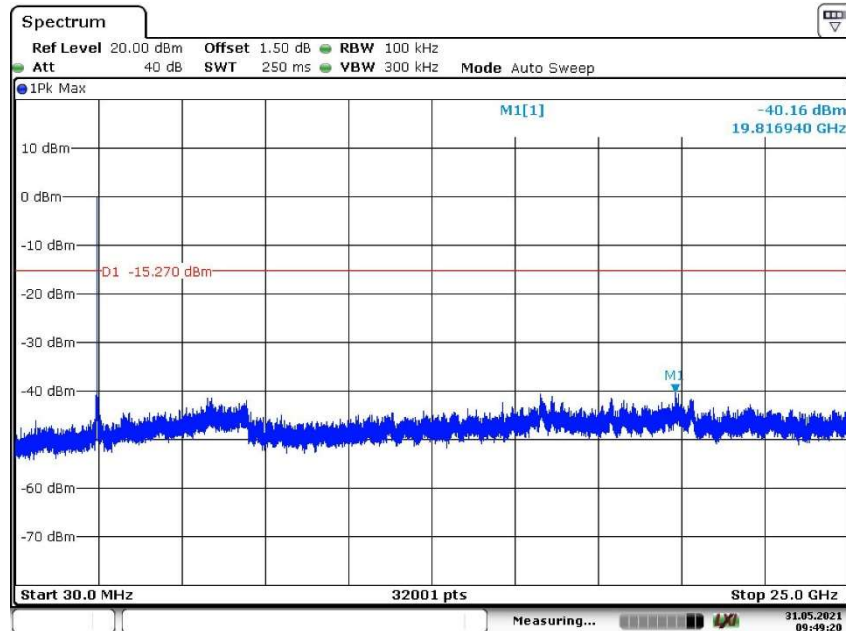


Date: 11.FEB.2022 09:47:07

High Channel



Date: 11.FEB.2022 09:48:27

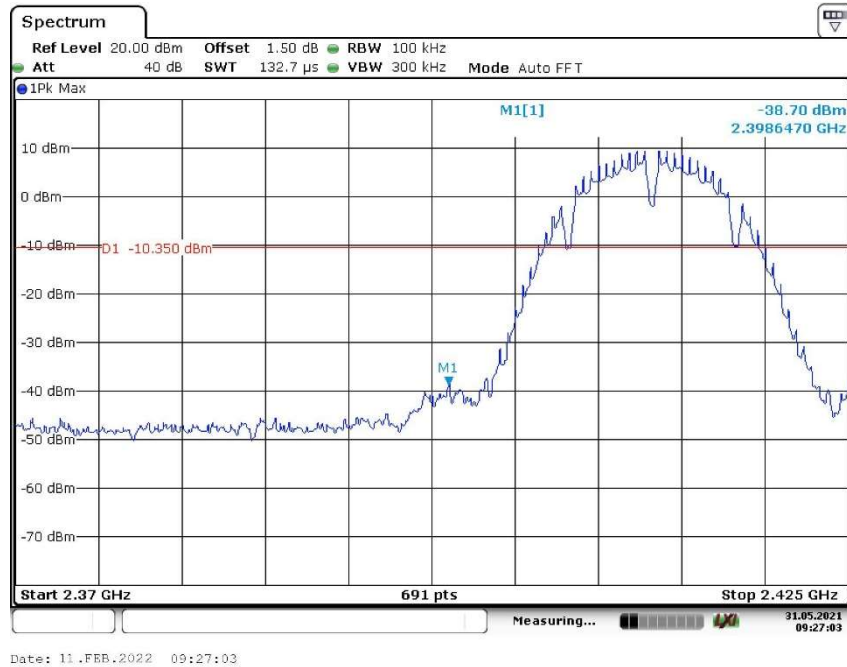


Date: 11.FEB.2022 09:49:20

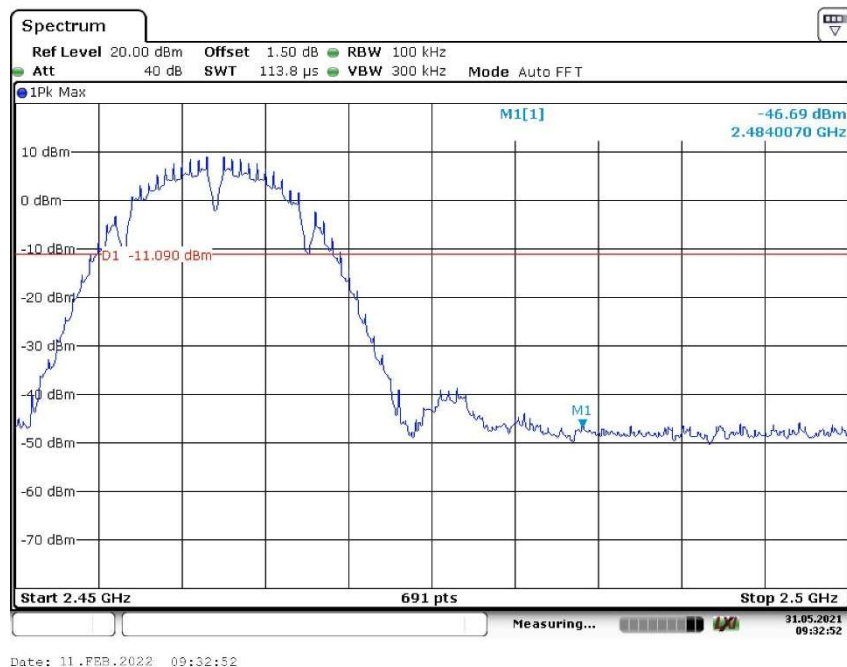
Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 33 von 89
Page 33 of 89

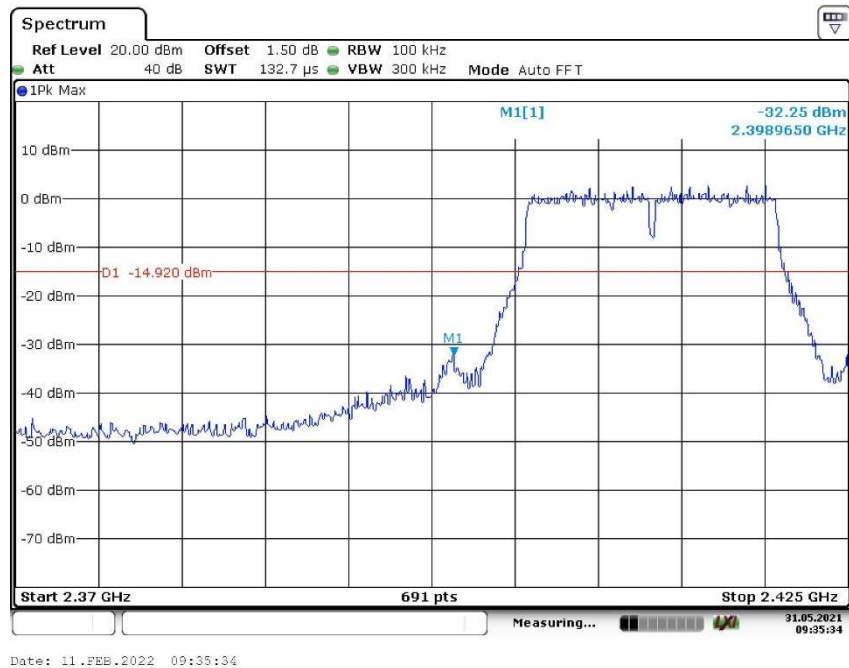
Wi-Fi 802.11 b mode, Band Edge
Low Channel



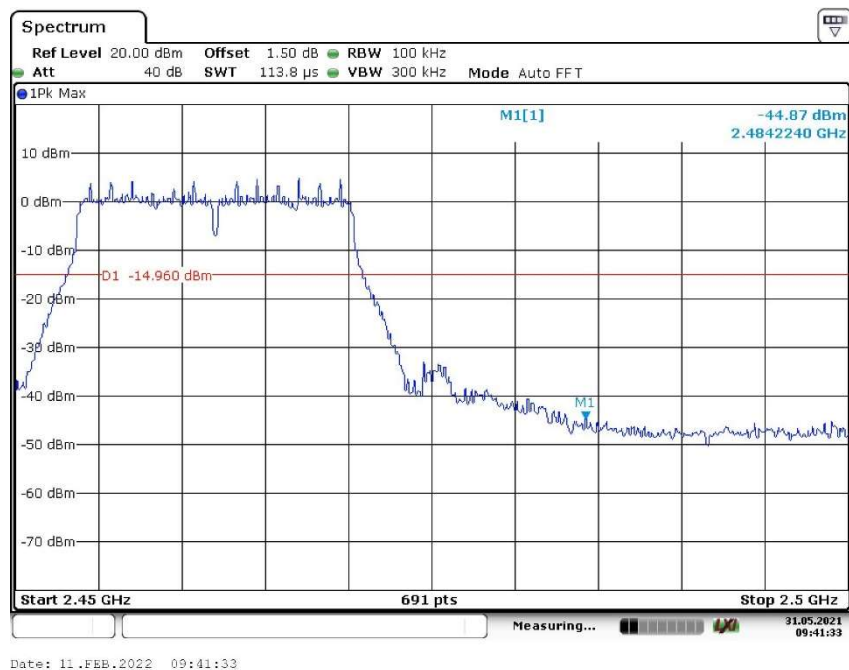
High Channel



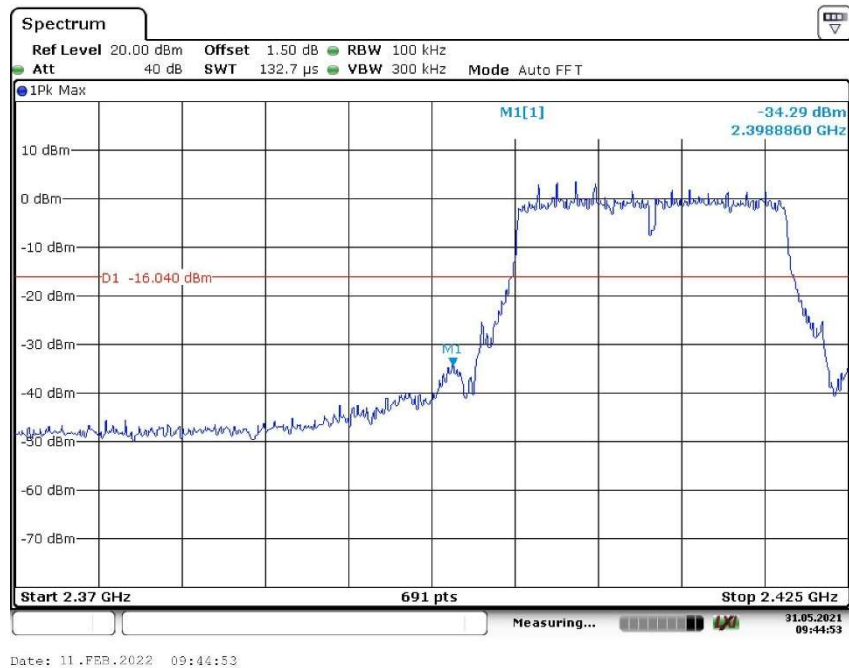
Wi-Fi 802.11 g mode, Band Edge
Low Channel



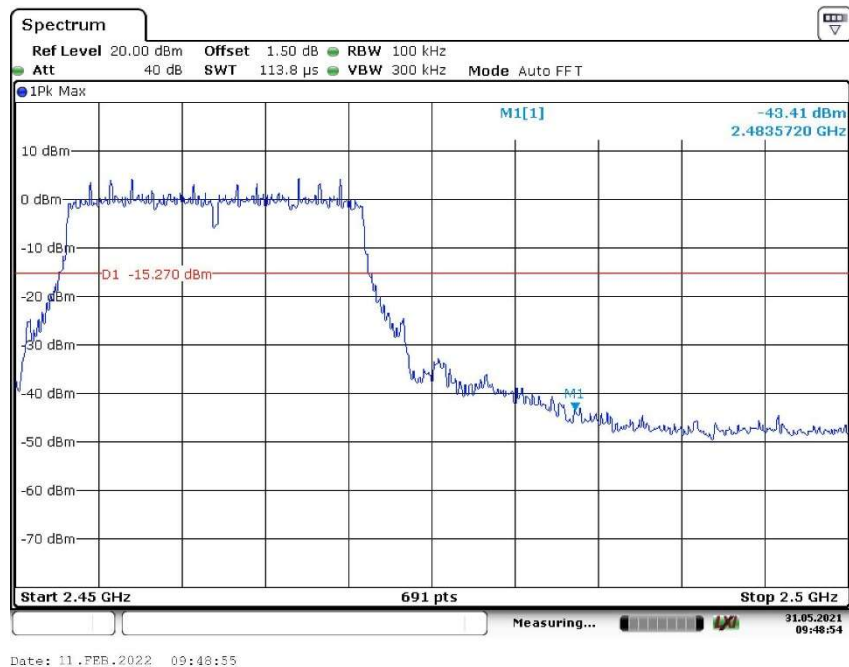
High Channel



Wi-Fi 802.11 n(HT20) mode, Band Edge
Low Channel



High Channel



Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:Seite 36 von 89
Page 36 of 89

5.1.7 Radiated Spurious Emission

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

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3 & 5.5
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 4 & Table 5
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 11.02.2022 ~ 17.02.2022
Input voltage	: AC 120V/60Hz below 1GHz DC 5V above 1GHz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23°C
Relative humidity	: 47 %
Atmospheric pressure	: 101 kPa

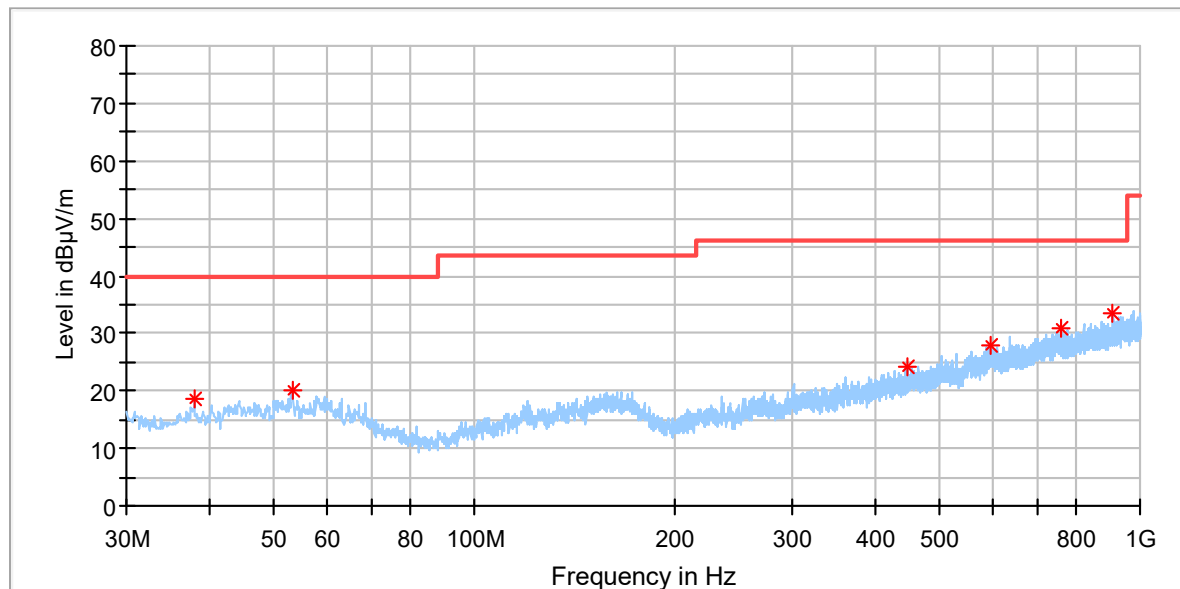
Remark:

1. Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
2. Only the worst case spurious emissions configuration of the each mode were reported.

Wi-Fi 802.11 b mode, 1 Mbps
30MHz - 18GHz

EUT Information

EUT Name:	ColorFlux Light Bulb
Order No:	168351799
Model:	LB2202
Test Mode:	WiFi 2.4G_11b_ch1
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

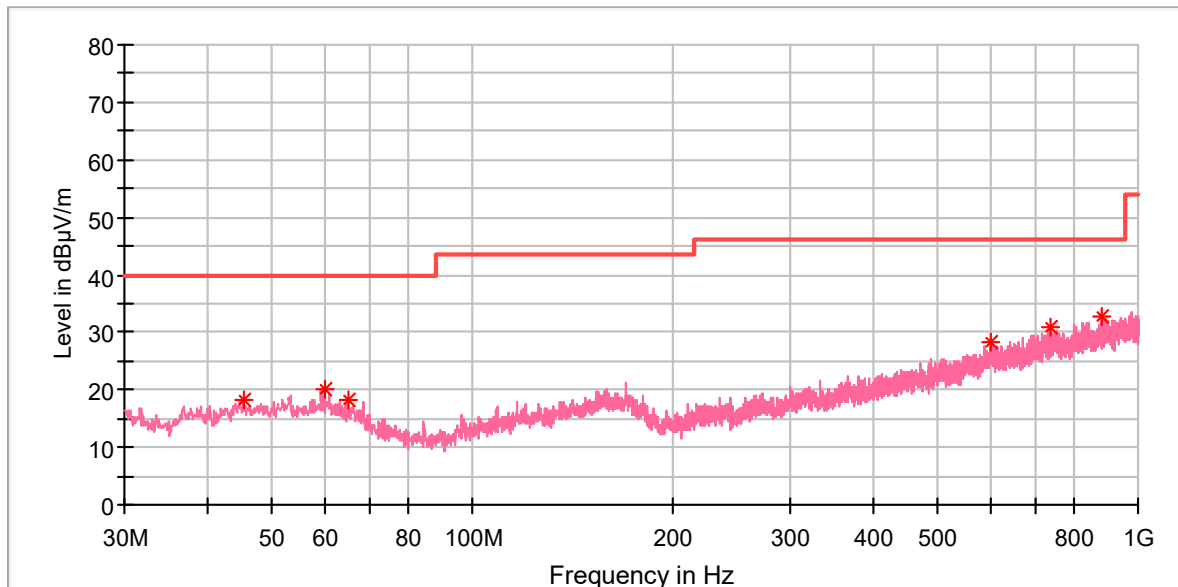
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
911.827000	33.39	46.00	12.61	100.0	H	0.0	31.3
447.391000	24.24	46.00	21.76	100.0	H	255.0	24.4
53.183000	19.92	40.00	20.08	100.0	H	323.0	20.9
37.954000	18.67	40.00	21.33	100.0	H	353.0	19.1
596.868000	28.07	46.00	17.93	200.0	H	32.0	27.8
762.447000	30.80	46.00	15.20	200.0	H	243.0	29.8

Final_Result

Frequency (MHz)	QuasiPea k (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwid th (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
-----	-----	-----	-----	-----	-----	-----		-----	-----

EUT Information

EUT Name:	ColorFlux Light Bulb
Order No:	168351799
Model:	LB2202
Test Mode:	WiFi 2.4G_11b_ch1
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.876000	20.08	40.00	19.92	100.0	V	195.0	20.9
64.920000	18.41	40.00	21.59	200.0	V	75.0	20.2
740.040000	31.06	46.00	14.94	200.0	V	111.0	30.2
45.229000	18.17	40.00	21.83	200.0	V	223.0	20.7
881.563000	32.82	46.00	13.18	200.0	V	266.0	31.2
599.293000	28.45	46.00	17.55	200.0	V	345.0	28.0

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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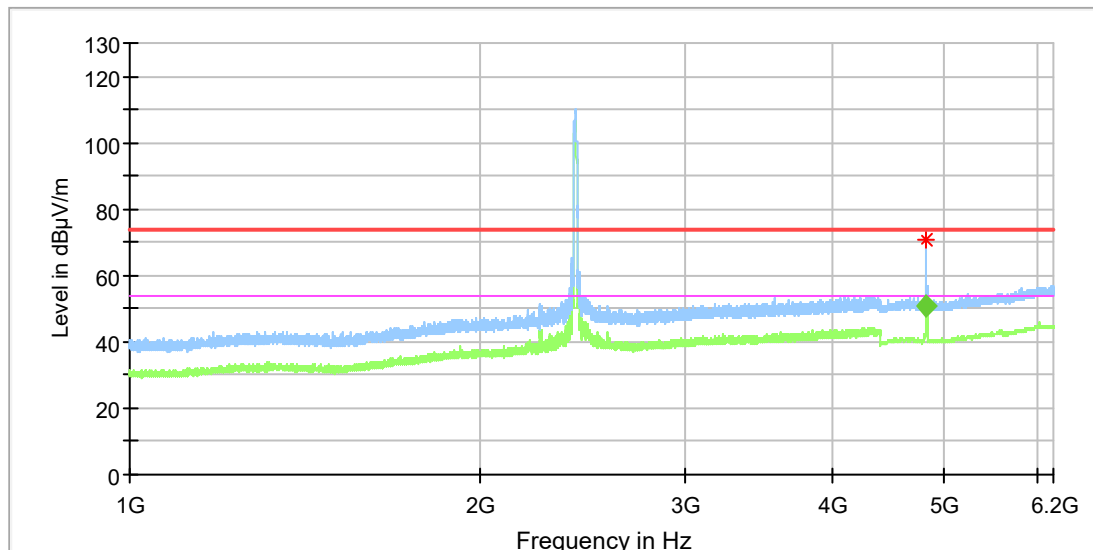
Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 39 von 89
Page 39 of 89

Note: The highest waveform in the figure is 2.4GHz Wi-Fi Fundamental.
1GHz - 18GHz

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 24 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	70.71	---	74.00	3.29	100.0	H	252.0	11.8

Final_Result

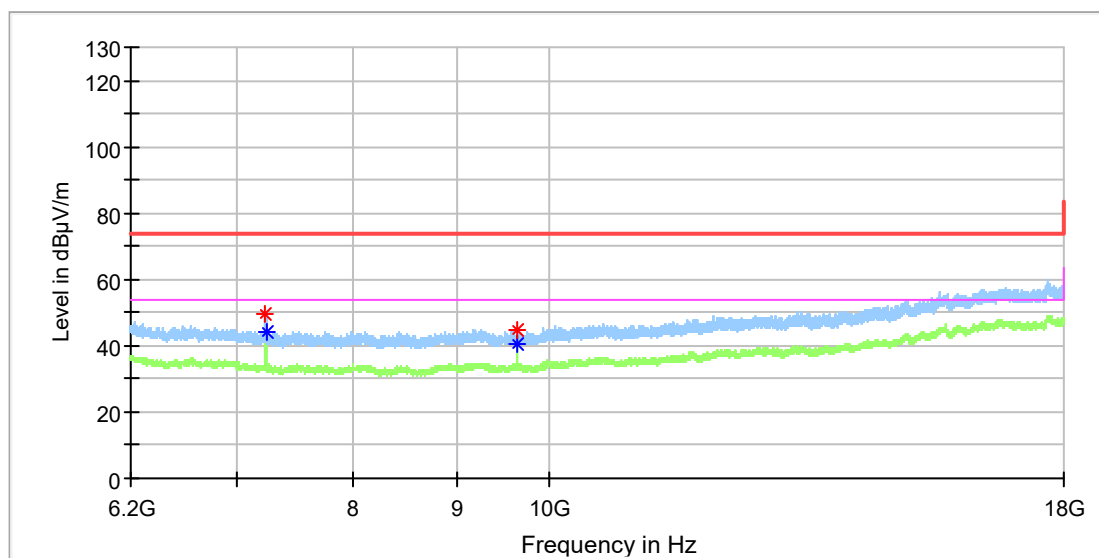
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.186111	51.03	54.00	2.97	100.0	H	250.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 40 von 89
Page 40 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	DC 5V from USB
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	49.88	---	74.00	24.12	100.0	H	291.0	8.6
7237.416667	---	44.38	54.00	9.62	100.0	H	291.0	8.6
9648.058333	---	40.50	54.00	13.50	100.0	H	306.0	10.4
9651.008333	44.94	---	74.00	29.06	100.0	H	222.0	10.4

Final_Result

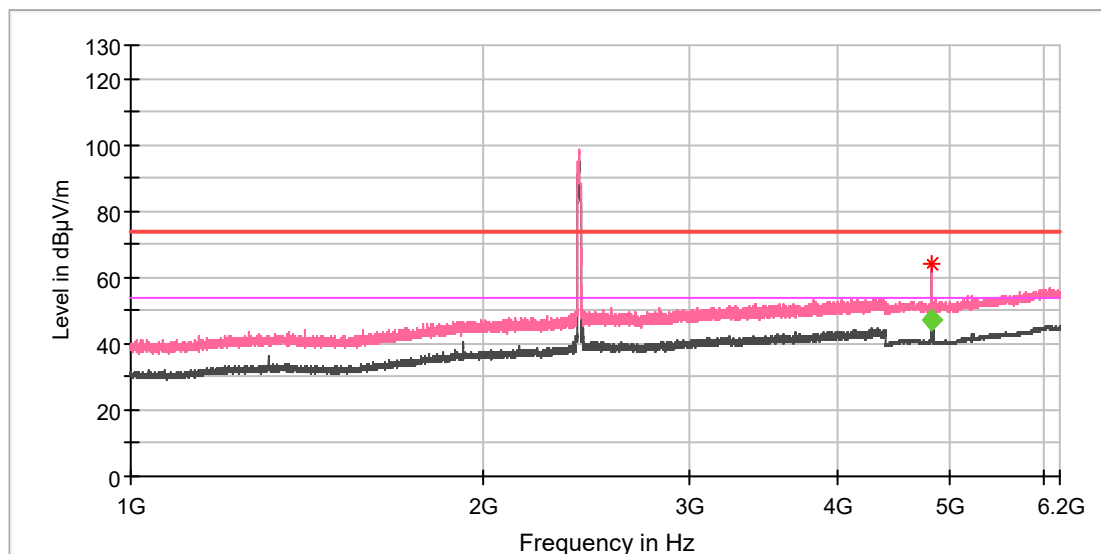
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 41 von 89
Page 41 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 24 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	64.27	---	74.00	9.73	100.0	V	130.0	11.8

Final_Result

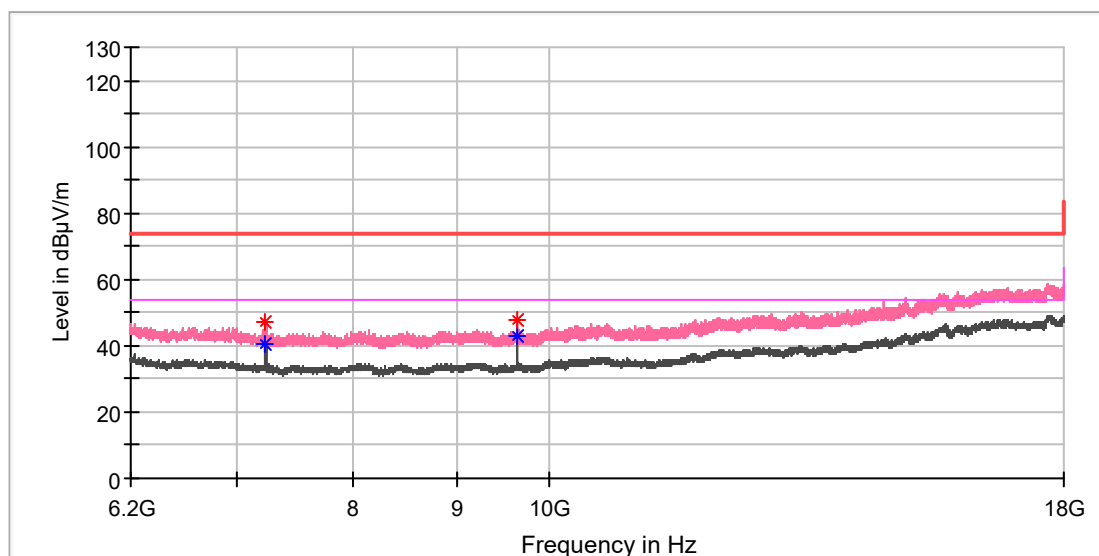
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.763889	47.00	54.00	7.00	105.0	V	128.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 42 von 89
Page 42 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	---	40.53	54.00	13.47	100.0	V	278.0	8.6
7234.958333	46.99	---	74.00	27.01	100.0	V	278.0	8.6
9647.566667	47.54	---	74.00	26.46	100.0	V	12.0	10.4
9648.058333	---	43.22	54.00	10.78	100.0	V	12.0	10.4

Final_Result

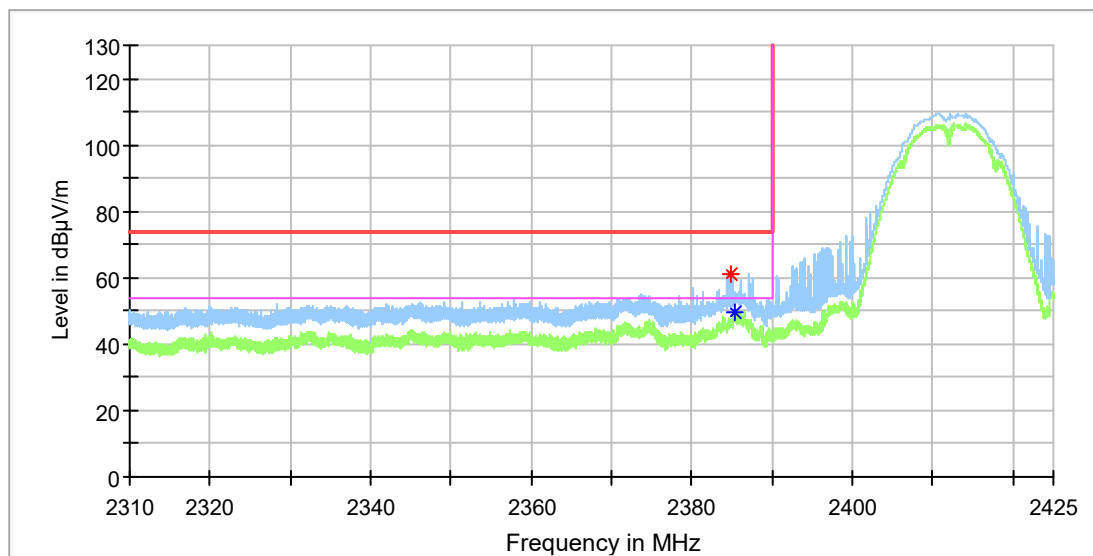
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 43 von 89
Page 43 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	DC 5V from USB
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2384.824750	61.19	---	74.00	12.81	100.0	H	13.0	7.0
2385.434250	---	49.78	54.00	4.22	100.0	H	182.0	7.0

Final_Result

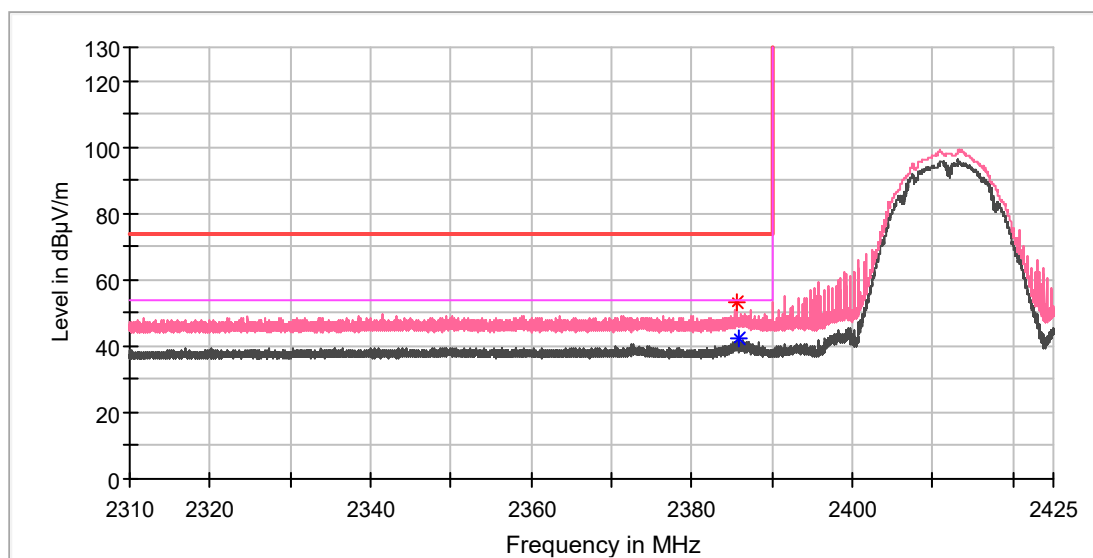
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 44 von 89
Page 44 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	DC 5V from USB
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.710250	53.06	---	74.00	20.94	100.0	V	0.0	7.0
2385.813750	---	42.12	54.00	11.88	100.0	V	7.0	7.0

Final_Result

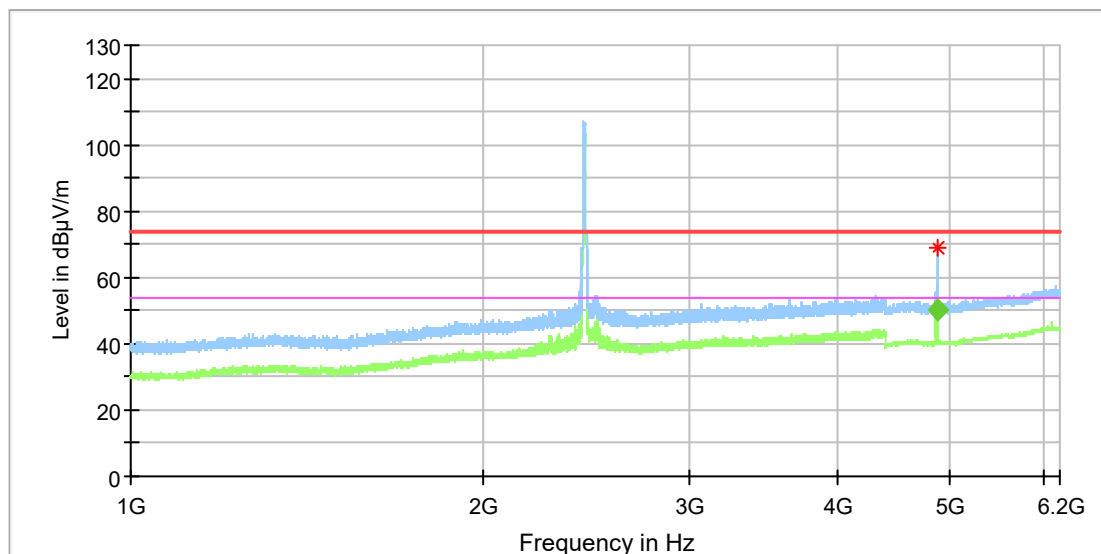
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 45 von 89
Page 45 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	68.75	---	74.00	5.25	100.0	H	150.0	11.8

Final_Result

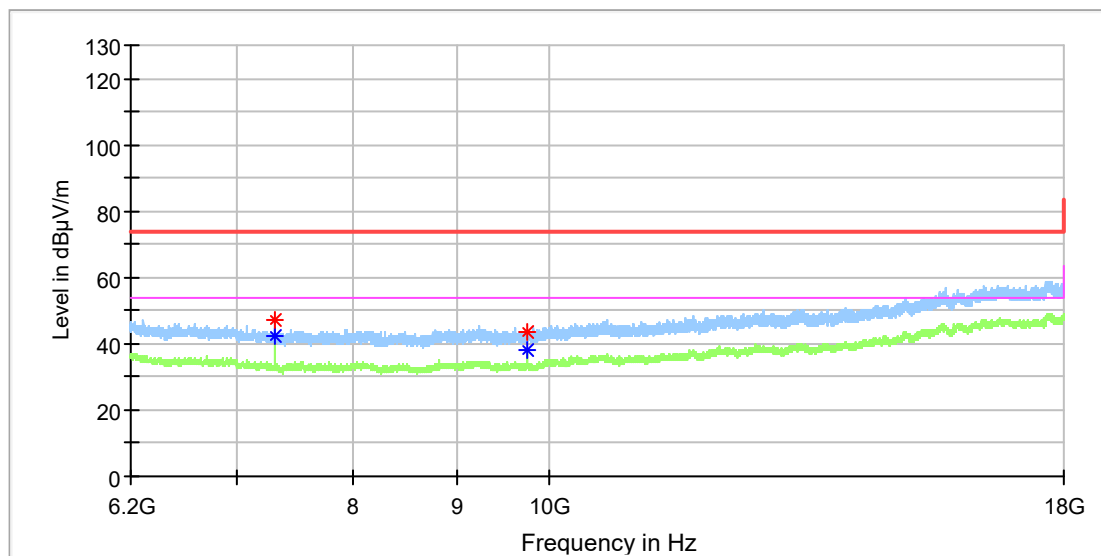
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.166667	50.23	54.00	3.77	105.0	H	148.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 46 von 89
Page 46 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	---	42.37	54.00	11.63	100.0	H	104.0	8.2
7310.183333	47.32	---	74.00	26.68	100.0	H	104.0	8.2
9747.866667	43.63	---	74.00	30.37	100.0	H	233.0	10.4
9747.866667	---	37.93	54.00	16.07	100.0	H	233.0	10.4

Final_Result

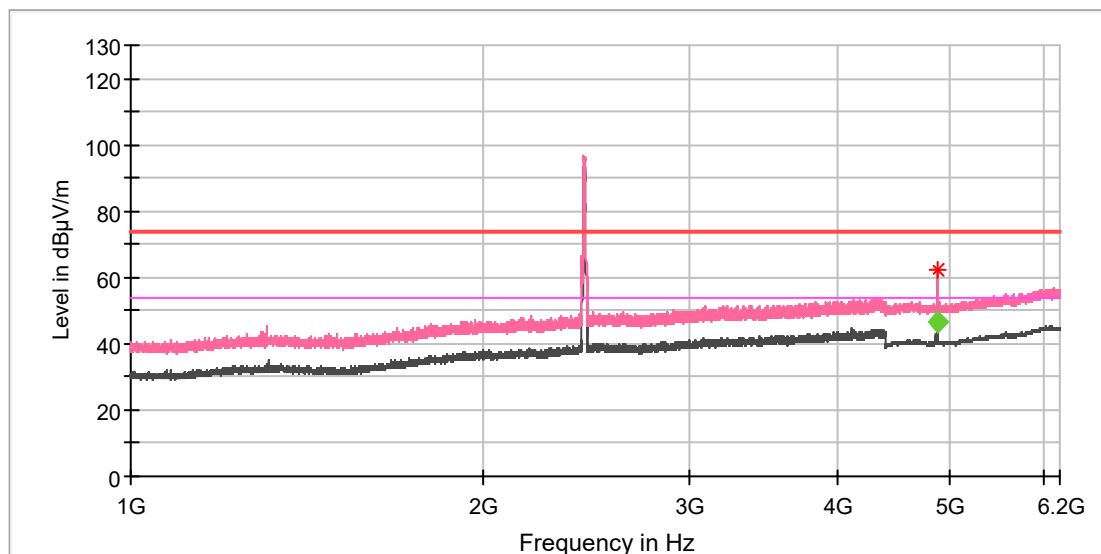
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 47 von 89
Page 47 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	62.48	---	74.00	11.52	100.0	V	143.0	11.8

Final_Result

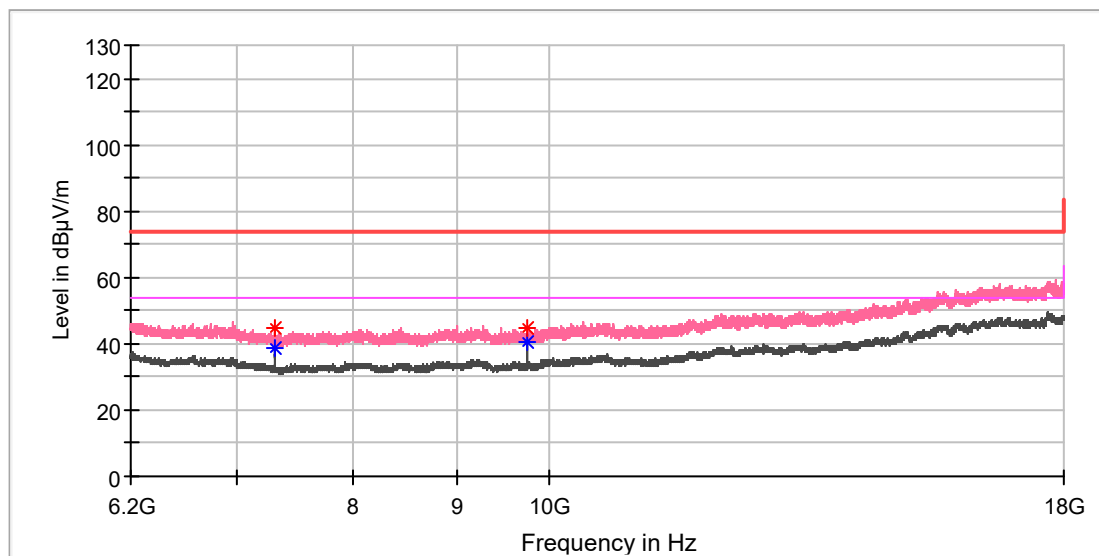
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.363889	46.78	54.00	7.22	105.0	V	138.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 48 von 89
Page 48 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	---	38.60	54.00	15.40	100.0	V	282.0	8.2
7310.675000	44.91	---	74.00	29.09	100.0	V	282.0	8.2
9747.866667	44.95	---	74.00	29.05	100.0	V	0.0	10.4
9747.866667	---	40.32	54.00	13.68	100.0	V	0.0	10.4

Final_Result

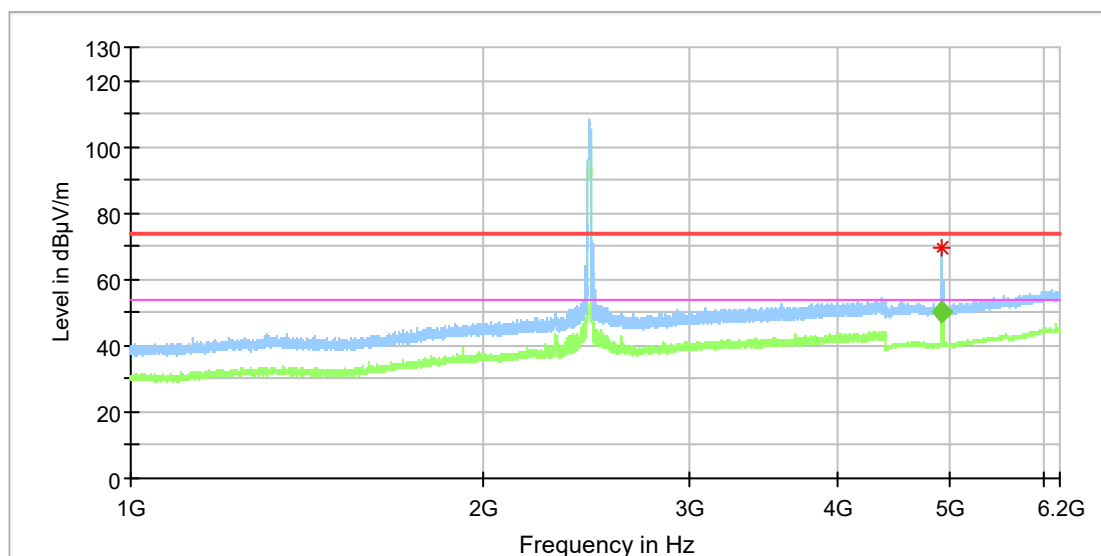
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 49 von 89
Page 49 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	69.56	---	74.00	4.44	100.0	H	184.0	11.8

Final_Result

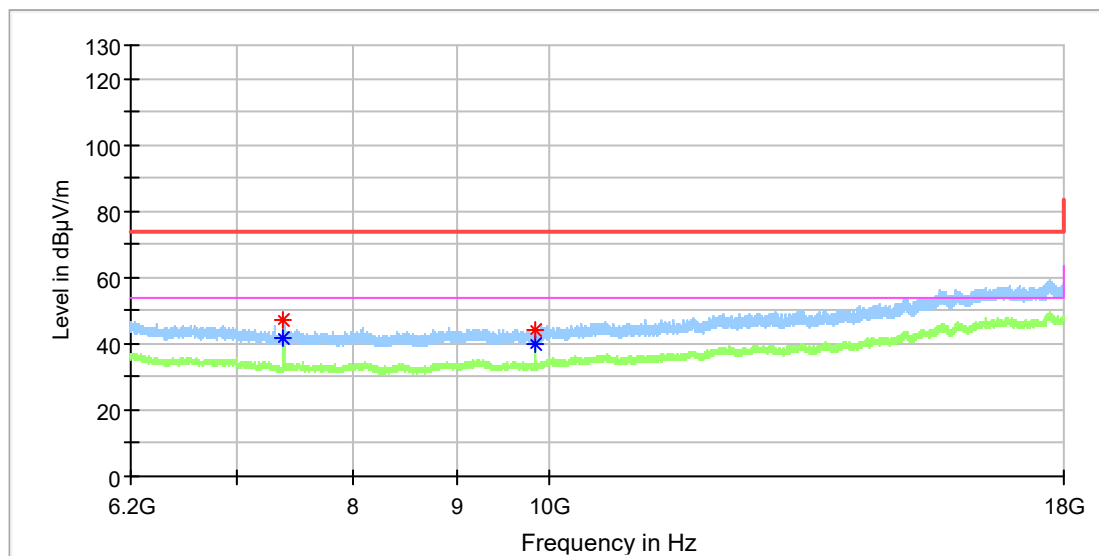
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.894444	50.37	54.00	3.63	100.0	H	179.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 50 von 89
Page 50 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7384.916667	47.02	---	74.00	26.98	100.0	H	277.0	8.2
7384.916667	---	41.86	54.00	12.14	100.0	H	277.0	8.2
9847.675000	44.14	---	74.00	29.87	100.0	H	277.0	10.6
9848.166667	---	39.99	54.00	14.01	100.0	H	277.0	10.6

Final_Result

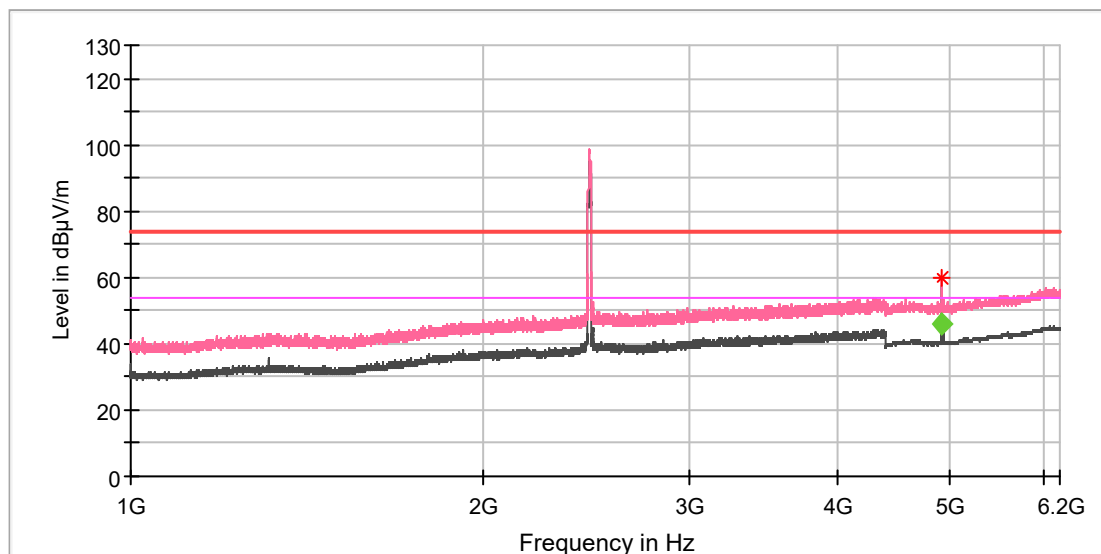
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 51 von 89
Page 51 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	60.09	---	74.00	13.91	100.0	V	163.0	11.8

Final_Result

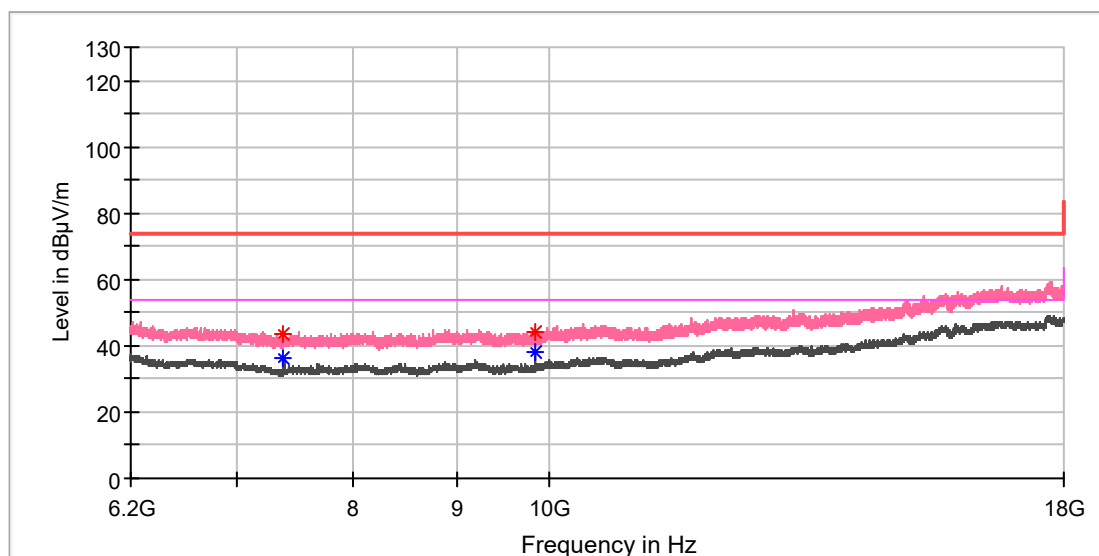
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.952778	46.12	54.00	7.88	105.0	V	158.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 52 von 89
Page 52 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7379.016667	43.73	---	74.00	30.27	100.0	V	150.0	8.2
7383.933333	---	36.28	54.00	17.72	100.0	V	308.0	8.2
9847.675000	---	38.14	54.00	15.86	100.0	V	122.0	10.6
9848.166667	44.10	---	74.00	29.90	100.0	V	0.0	10.6

Final_Result

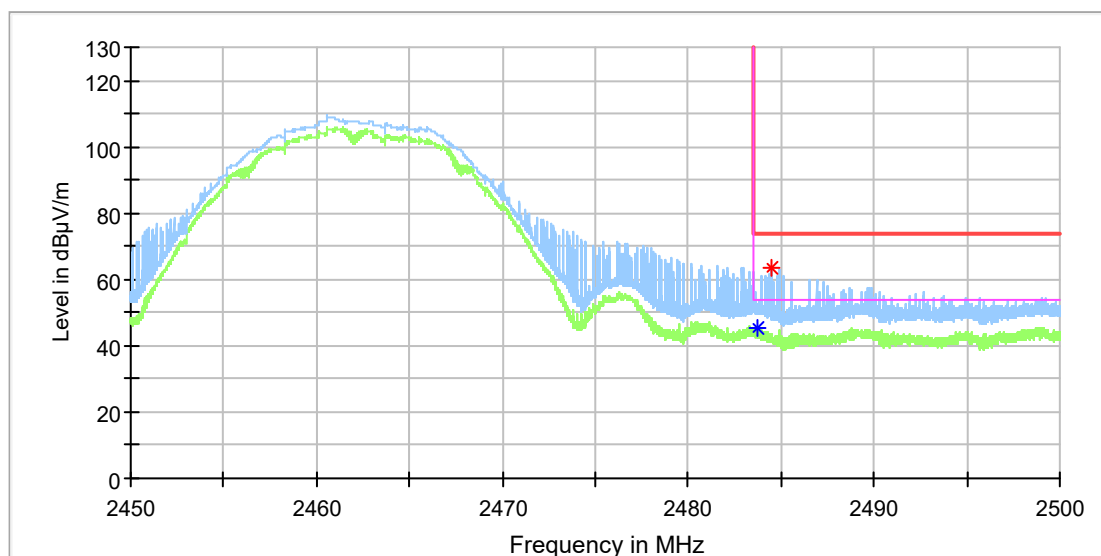
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 53 von 89
Page 53 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11b_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.702500	---	45.16	54.00	8.84	100.0	H	187.0	7.4
2484.515000	63.70	---	74.00	10.30	100.0	H	187.0	7.4

Final_Result

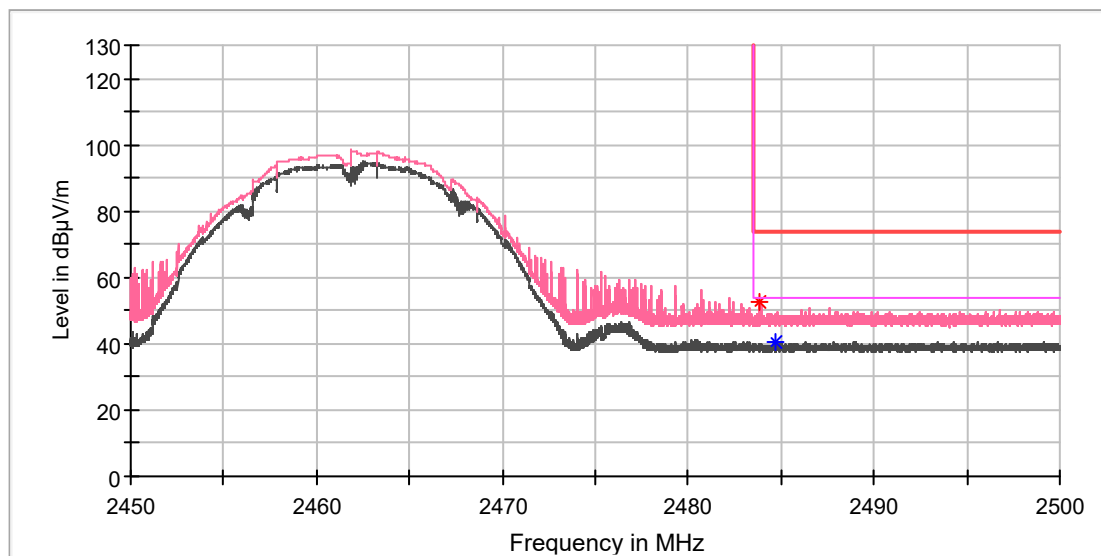
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 54 von 89
Page 54 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11b_Ch11
Test Voltage:	DC 5V from USB
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.882500	52.44	---	74.00	21.56	100.0	V	152.0	7.4
2484.717500	---	40.55	54.00	13.45	100.0	V	142.0	7.4

Final_Result

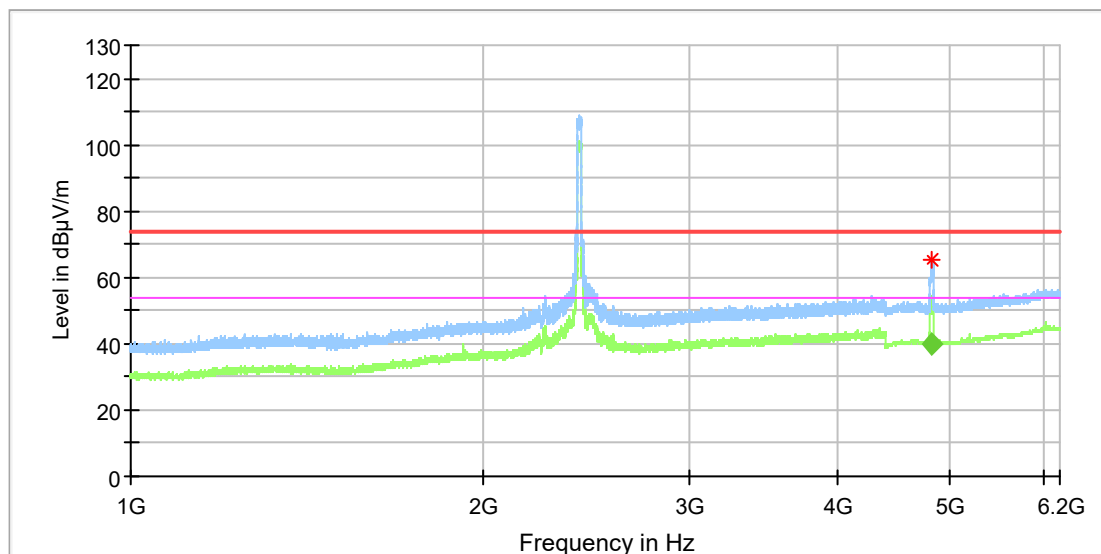
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 55 von 89
Page 55 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	65.03	---	74.00	8.97	100.0	H	179.0	11.8

Final_Result

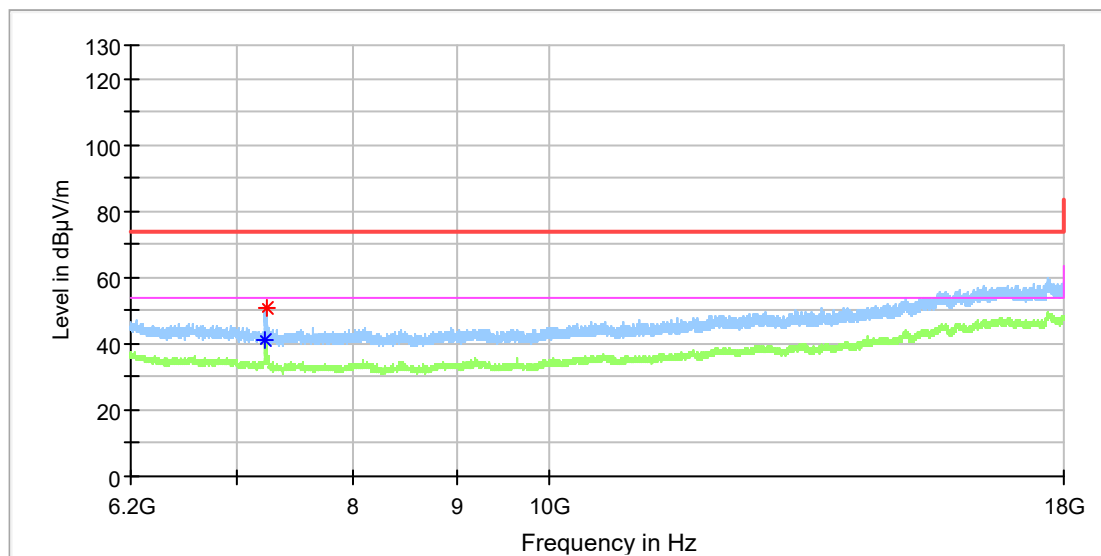
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4819.816667	40.05	54.00	13.95	105.0	H	180.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 56 von 89
Page 56 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7231.516667	---	40.82	54.00	13.18	100.0	H	119.0	8.6
7237.416667	51.03	---	74.00	22.97	100.0	H	119.0	8.6

Final_Result

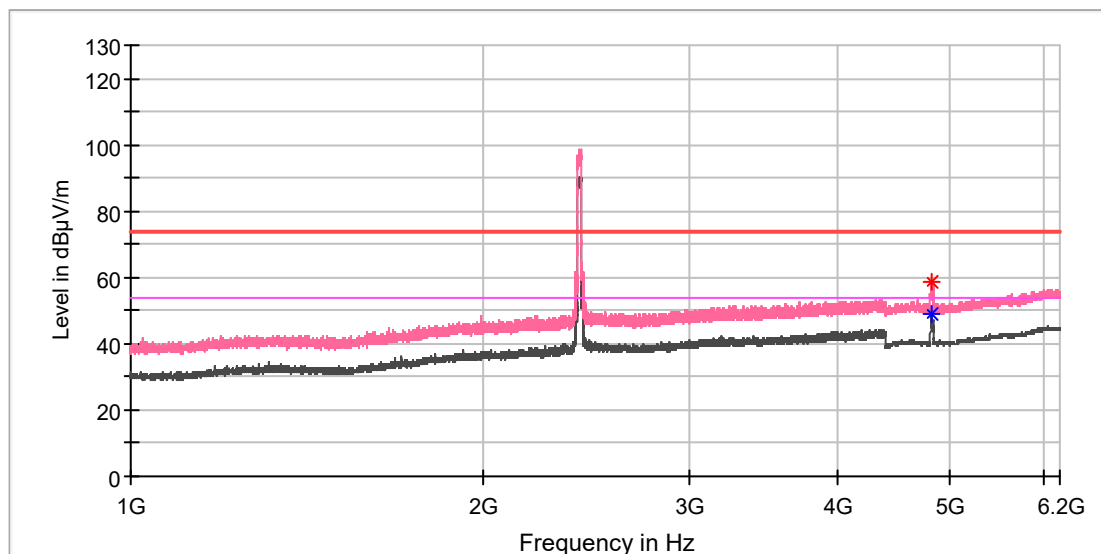
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 57 von 89
Page 57 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
 Model: LB2202
 Test Mode: WIFI 2.4G_11g_Ch1
 Test Voltage: DC 5V from USB
 Remark: Temp 23 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4816.500000	58.45	---	74.00	15.55	100.0	V	145.0	11.8
4821.000000	---	49.11	54.00	4.89	100.0	V	145.0	11.8

Final_Result

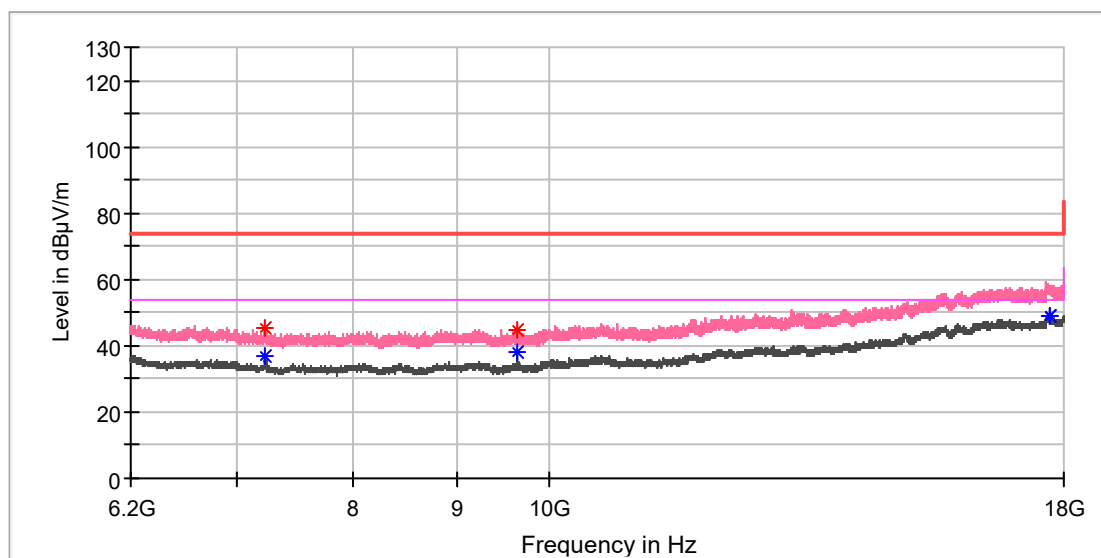
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 58 von 89
Page 58 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7232.008333	---	37.12	54.00	16.88	100.0	V	58.0	8.6
7233.975000	45.46	---	74.00	28.54	100.0	V	327.0	8.6
9648.058333	---	38.03	54.00	15.97	100.0	V	0.0	10.4
9649.041667	45.01	---	74.00	28.99	100.0	V	0.0	10.4
17706.966667	---	49.24	54.00	4.76	100.0	V	58.0	22.9
17706.966667	---	49.24	54.00	4.76	100.0	V	58.0	22.9

Final_Result

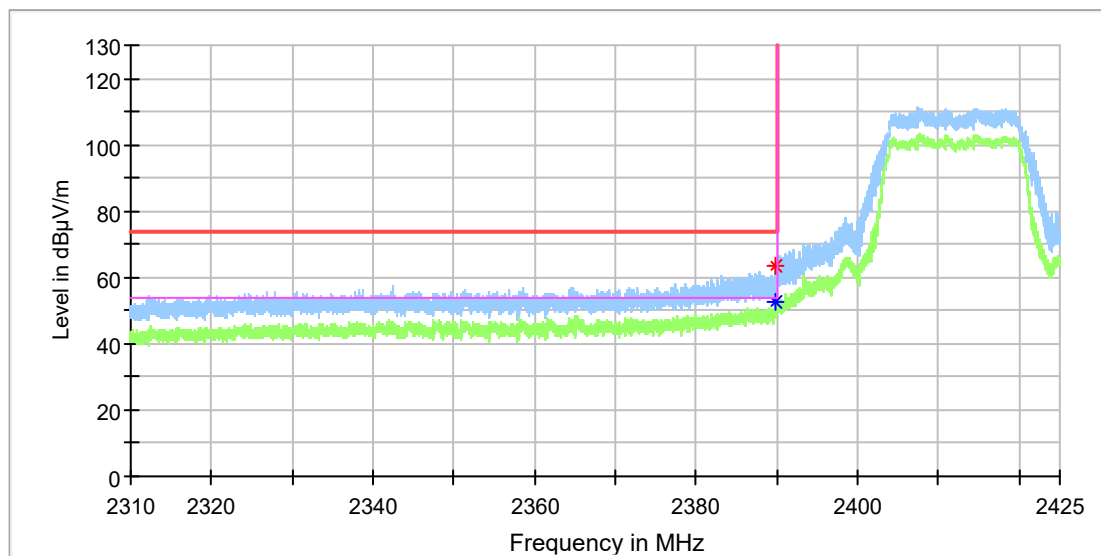
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 59 von 89
Page 59 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.775500	63.65	---	74.00	10.35	100.0	H	19.0	7.0
2389.890500	---	52.80	54.00	1.20	100.0	H	19.0	7.0

Final_Result

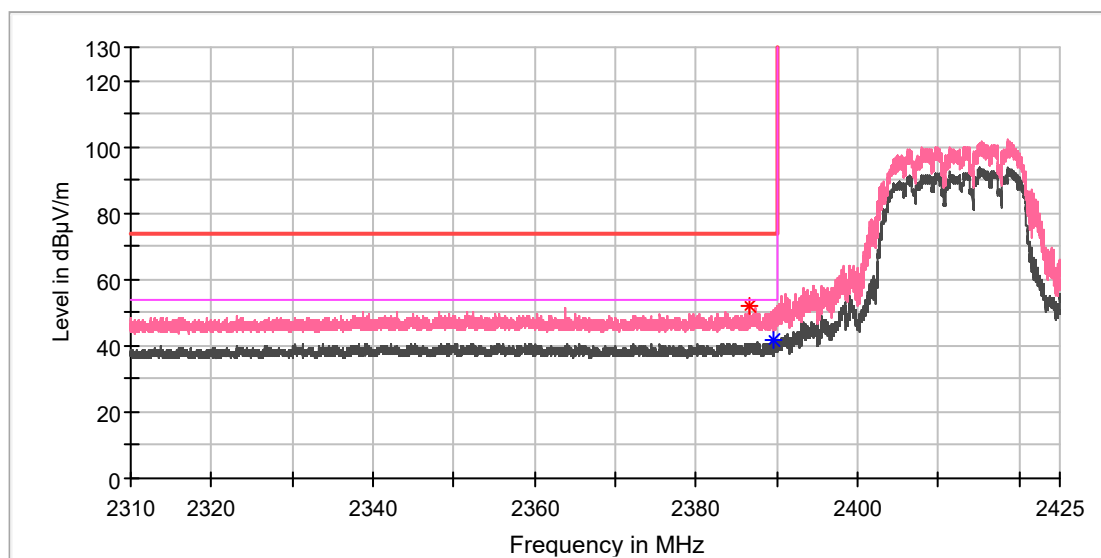
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 60 von 89
Page 60 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.463500	51.80	---	74.00	22.20	100.0	V	98.0	7.0
2389.654750	---	41.58	54.00	12.42	100.0	V	98.0	7.0

Final_Result

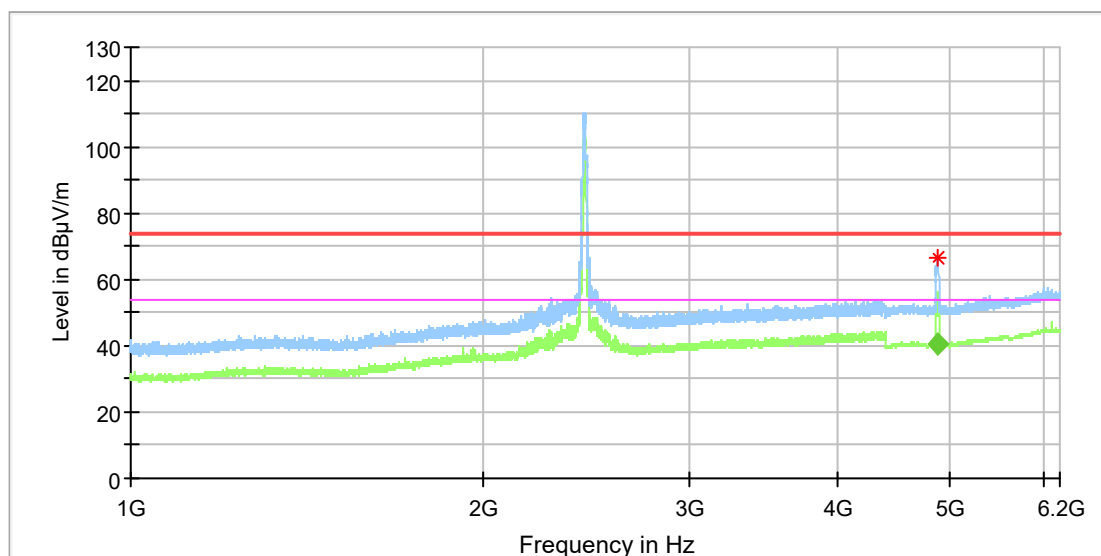
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 61 von 89
Page 61 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4876.000000	66.31	---	74.00	7.69	100.0	H	180.0	11.8

Final_Result

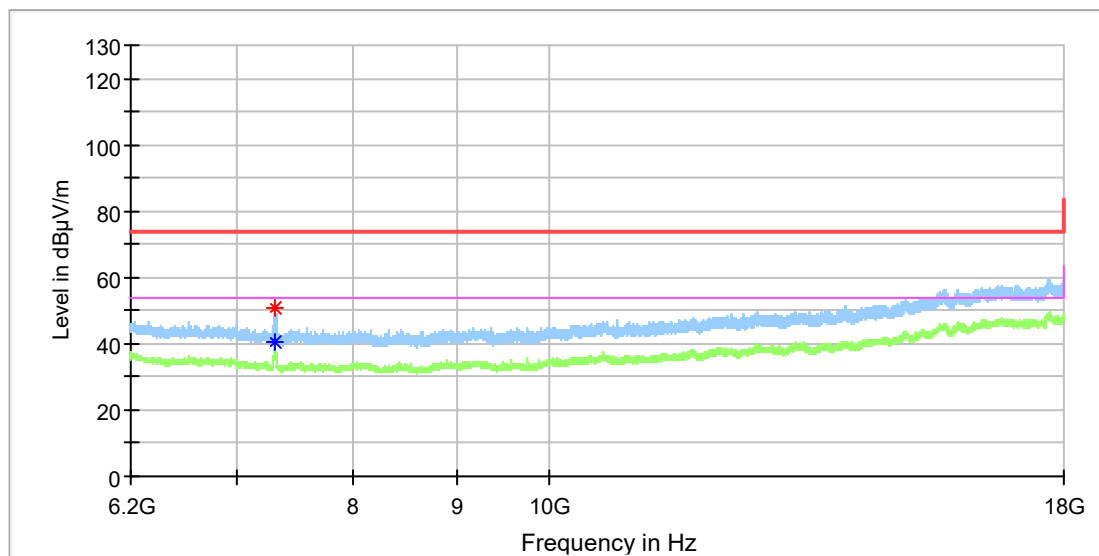
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.622222	40.58	54.00	13.42	100.0	H	247.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 62 von 89
Page 62 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
 Model: LB2202
 Test Mode: WIFI 2.4G_11g_Ch6
 Test Voltage: DC 5V from USB
 Remark: Temp 23 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7308.216667	---	40.55	54.00	13.45	100.0	H	299.0	8.2
7317.558333	50.64	---	74.00	23.36	100.0	H	312.0	8.2

Final_Result

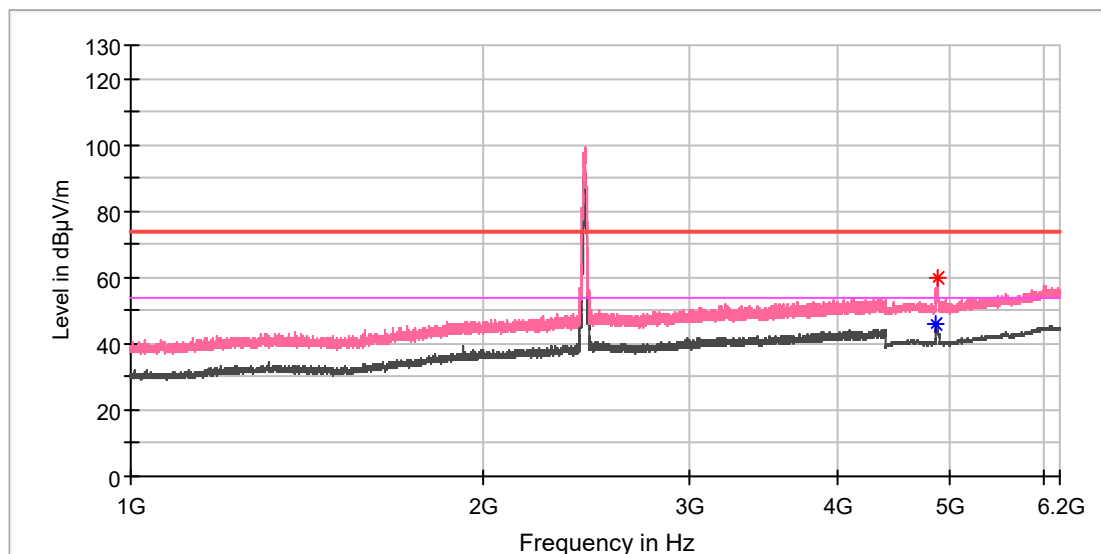
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 63 von 89
Page 63 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4864.500000	---	46.23	54.00	7.77	100.0	V	141.0	11.8
4880.000000	59.84	---	74.00	14.16	100.0	V	41.0	11.8

Final_Result

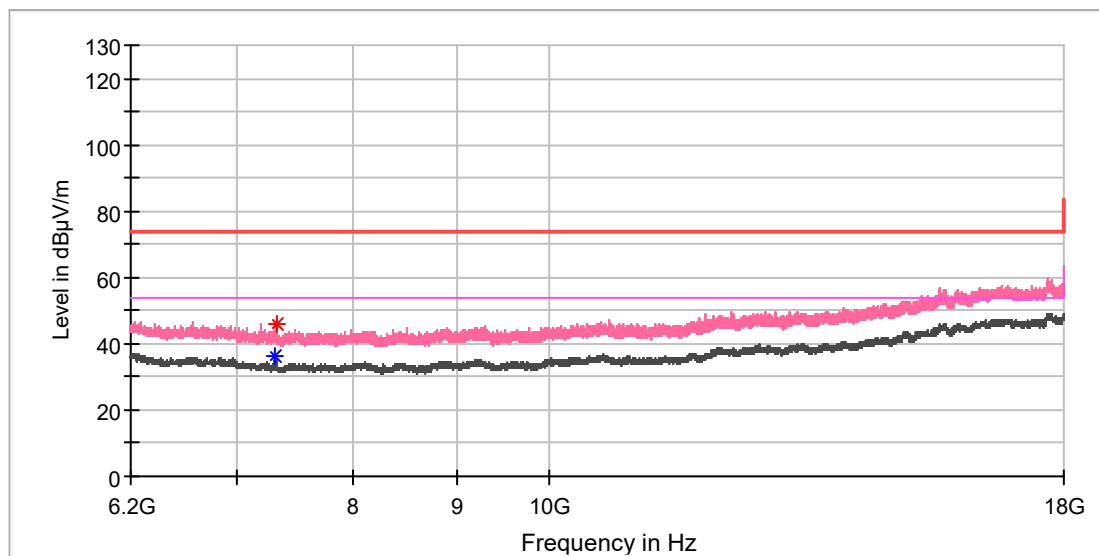
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 64 von 89
Page 64 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	---	36.34	54.00	17.66	100.0	V	149.0	8.2
7324.441667	46.15	---	74.00	27.85	100.0	V	149.0	8.2

Final_Result

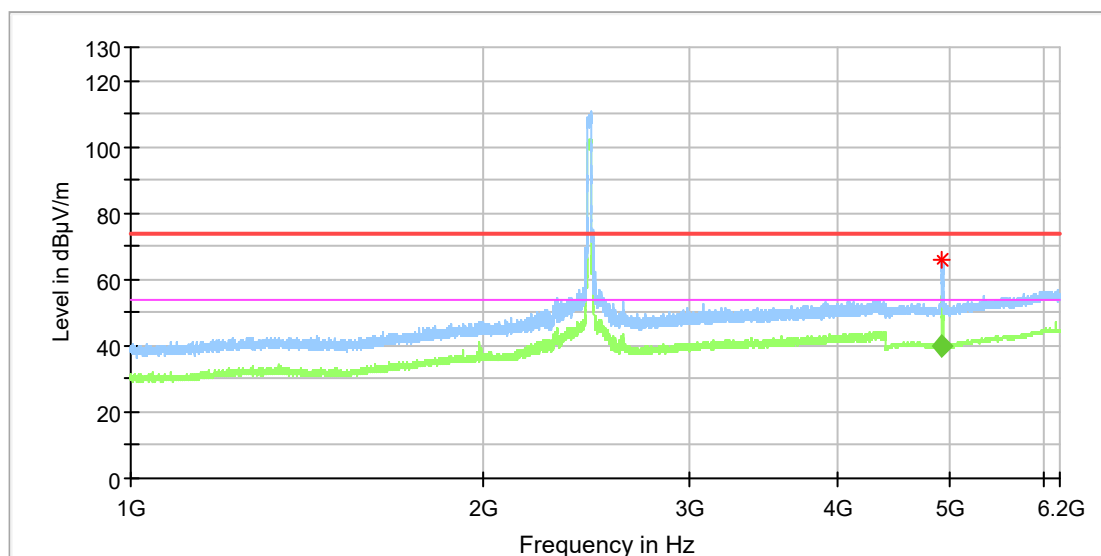
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 65 von 89
Page 65 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4925.000000	65.70	---	74.00	8.30	100.0	H	144.0	11.8

Final_Result

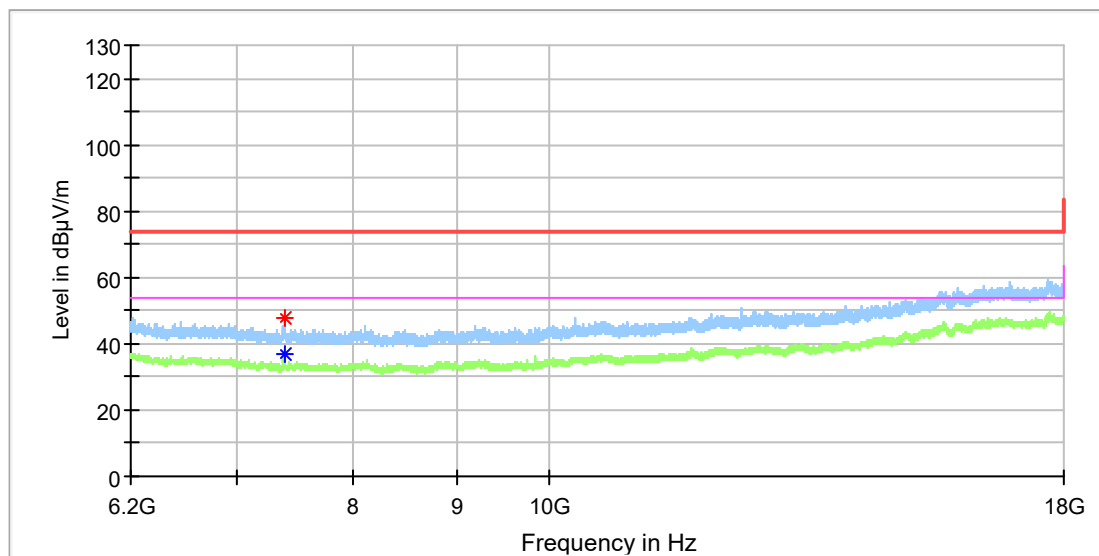
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4921.938889	39.98	54.00	14.02	100.0	H	266.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 66 von 89
Page 66 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7392.783333	---	36.92	54.00	17.08	100.0	H	12.0	8.3
7392.783333	47.48	---	74.00	26.52	100.0	H	12.0	8.3

Final_Result

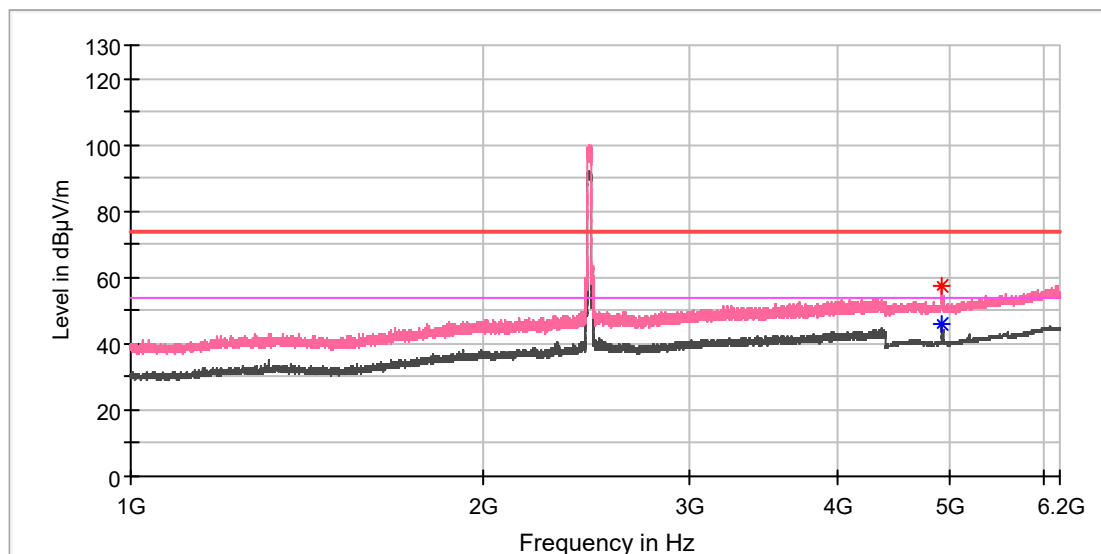
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 67 von 89
Page 67 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11g_Ch11
Test Voltage:	DC 5V from USB
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	---	46.01	54.00	7.99	100.0	V	15.0	11.8
4924.500000	57.66	---	74.00	16.34	100.0	V	126.0	11.8

Final_Result

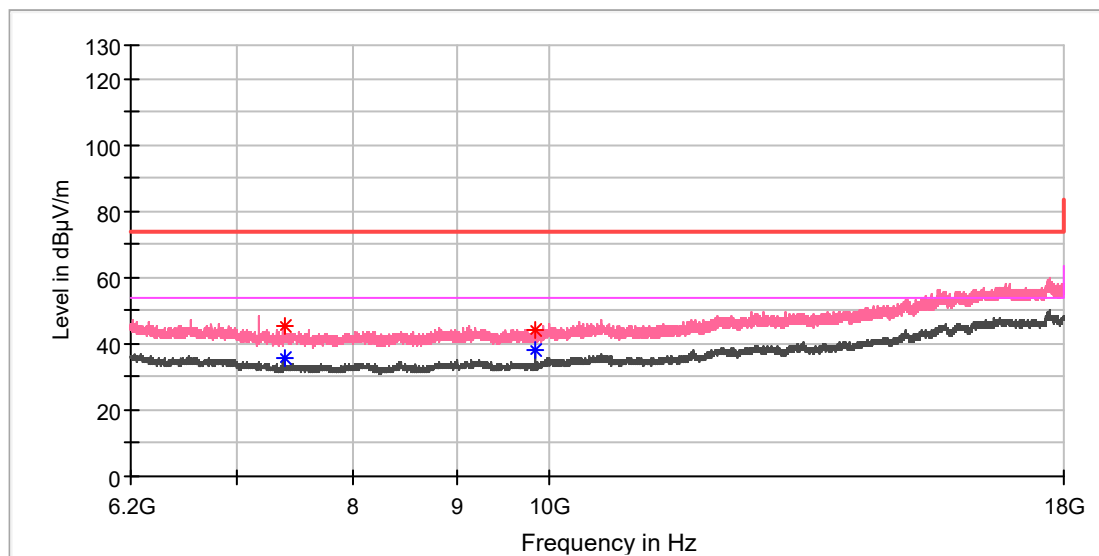
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 68 von 89
Page 68 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

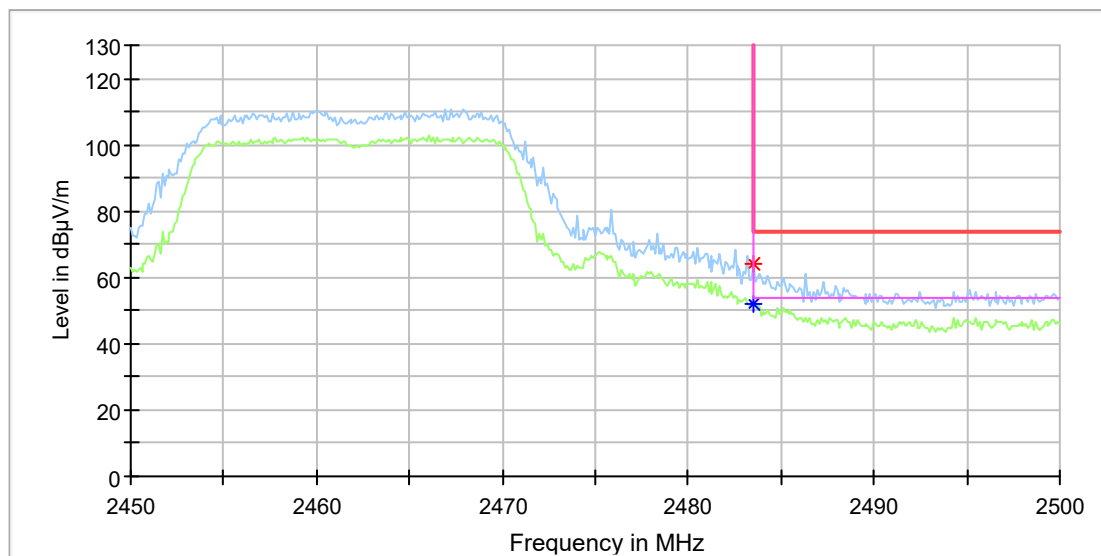
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7387.375000	---	35.63	54.00	18.37	100.0	V	279.0	8.2
7390.816667	45.12	---	74.00	28.88	100.0	V	265.0	8.3
9847.675000	44.20	---	74.00	29.80	100.0	V	321.0	10.6
9847.675000	---	38.34	54.00	15.66	100.0	V	321.0	10.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	64.17	---	74.00	9.83	100.0	H	355.0	7.4
2483.500000	---	52.25	54.00	1.75	100.0	H	355.0	7.4

Final_Result

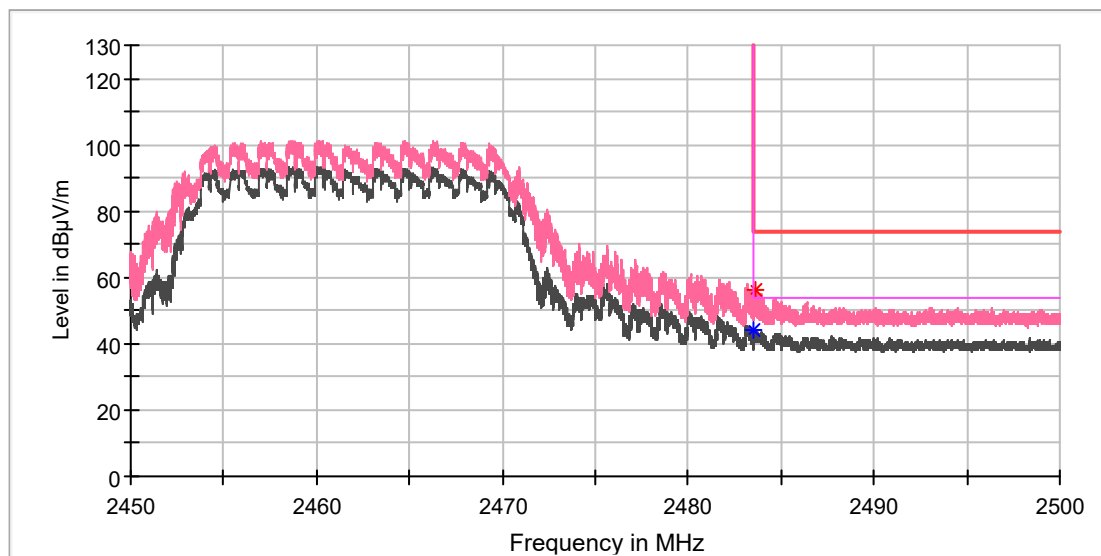
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 70 von 89
Page 70 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11g_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.505000	---	44.21	54.00	9.79	100.0	V	228.0	7.4
2483.585000	56.13	---	74.00	17.87	100.0	V	320.0	7.4

Final_Result

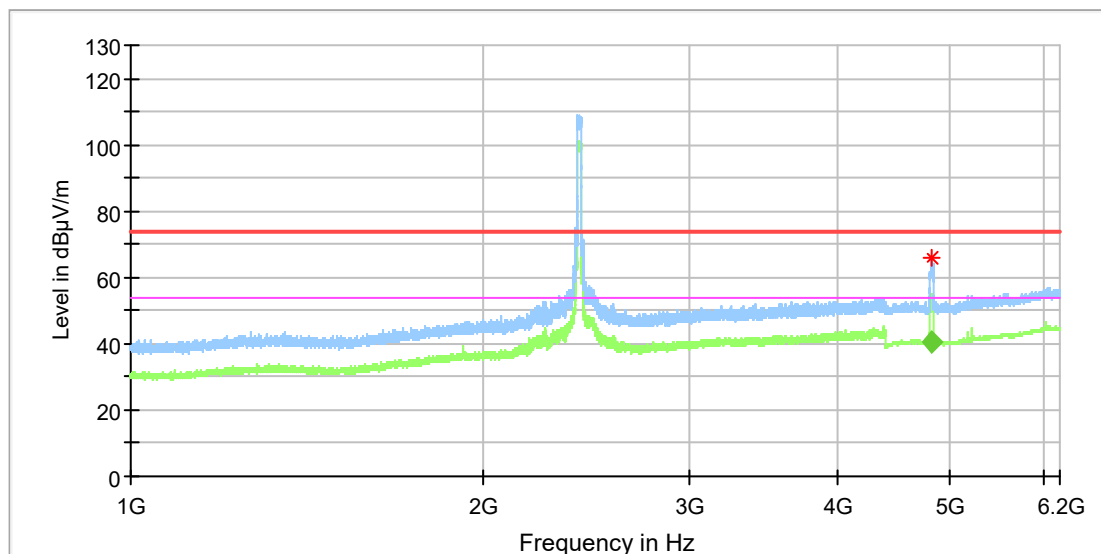
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 71 von 89
Page 71 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4822.500000	65.81	---	74.00	8.19	100.0	H	0.0	11.8

Final_Result

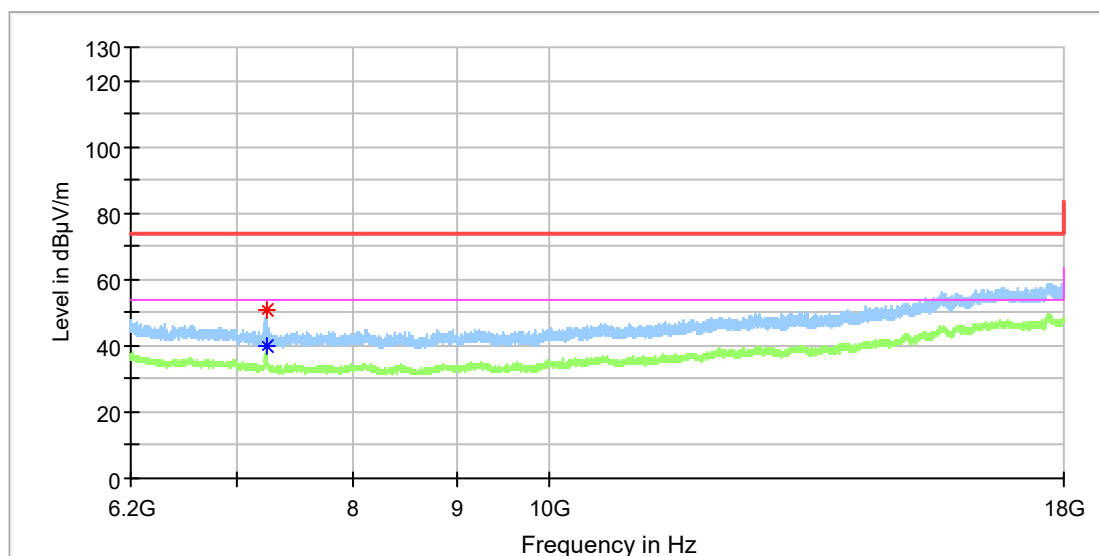
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4822.788889	40.57	54.00	13.43	100.0	H	260.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 72 von 89
Page 72 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7238.400000	50.51	---	74.00	23.49	100.0	H	111.0	8.6
7239.383333	---	40.02	54.00	13.98	100.0	H	111.0	8.6

Final_Result

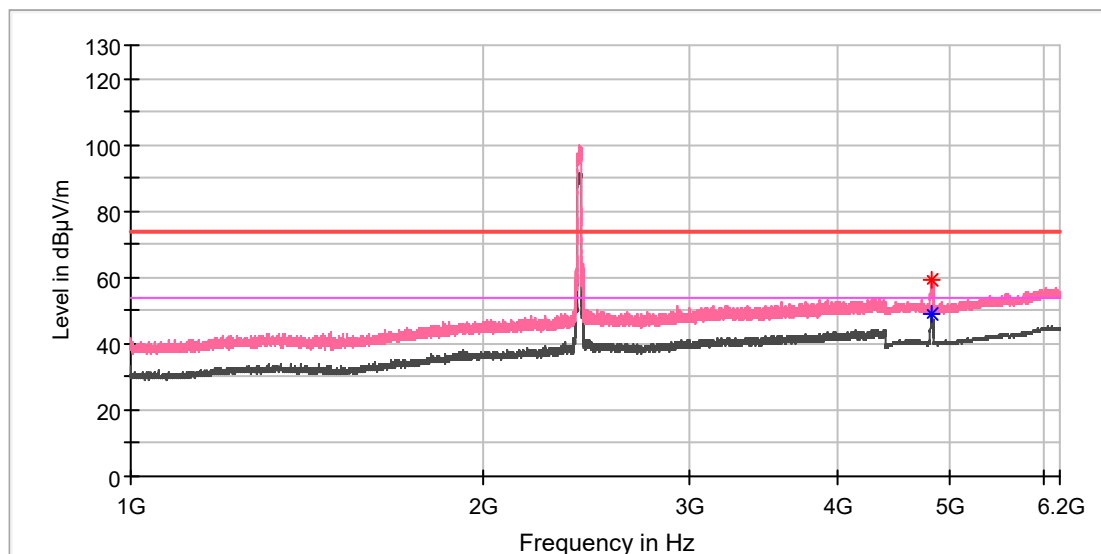
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 73 von 89
Page 73 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	---	49.23	54.00	4.77	100.0	V	139.0	11.8
4824.500000	59.18	---	74.00	14.82	100.0	V	139.0	11.8

Final_Result

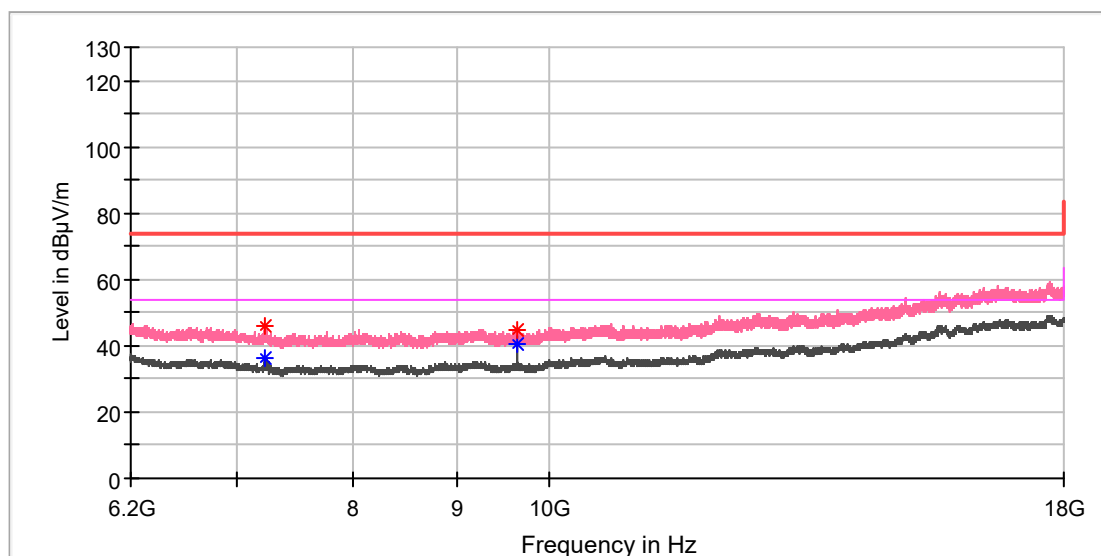
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 74 von 89
Page 74 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7226.108333	45.67	---	74.00	28.33	100.0	V	254.0	8.7
7230.533333	---	36.09	54.00	17.91	100.0	V	268.0	8.6
9648.058333	---	40.37	54.00	13.63	100.0	V	6.0	10.4
9651.008333	44.50	---	74.00	29.50	100.0	V	323.0	10.4

Final_Result

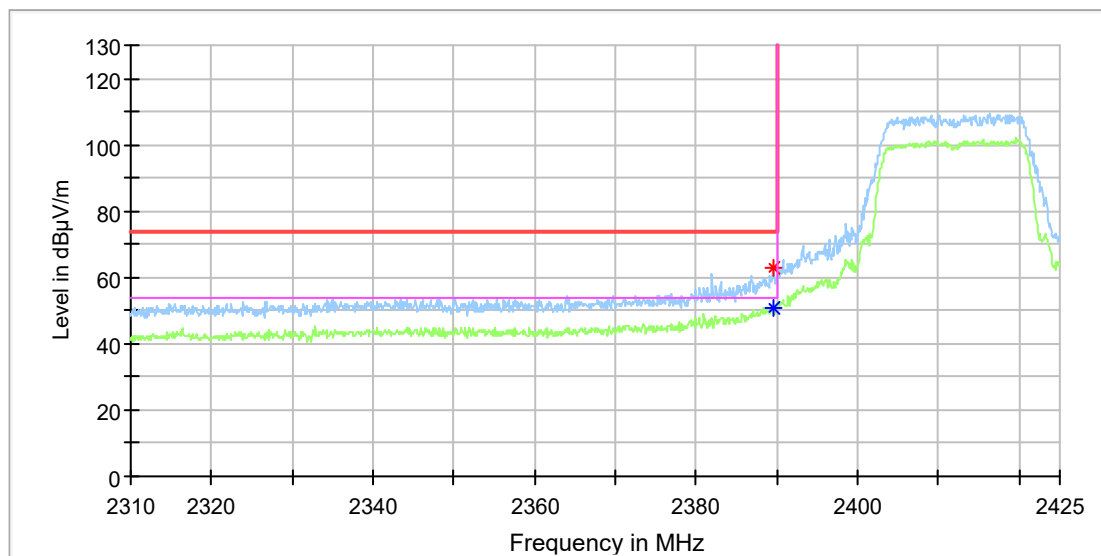
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 75 von 89
Page 75 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch1
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.500000	62.92	---	74.00	11.08	100.0	H	192.0	7.0
2389.500000	---	50.76	54.00	3.24	100.0	H	192.0	7.0

Final_Result

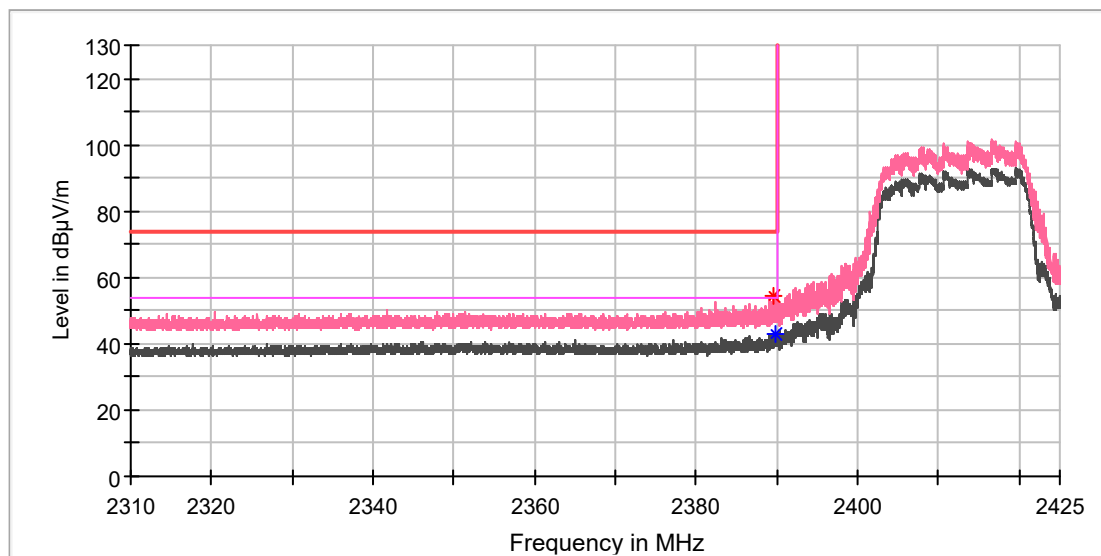
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 76 von 89
Page 76 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
 Model: LB2202
 Test Mode: WIFI 2.4G_11n_Ch1
 Test Voltage: DC 5V from USB
 Remark: Temp 23 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.557000	54.30	---	74.00	19.70	100.0	V	90.0	7.0
2389.718000	---	42.96	54.00	11.04	100.0	V	90.0	7.0

Final_Result

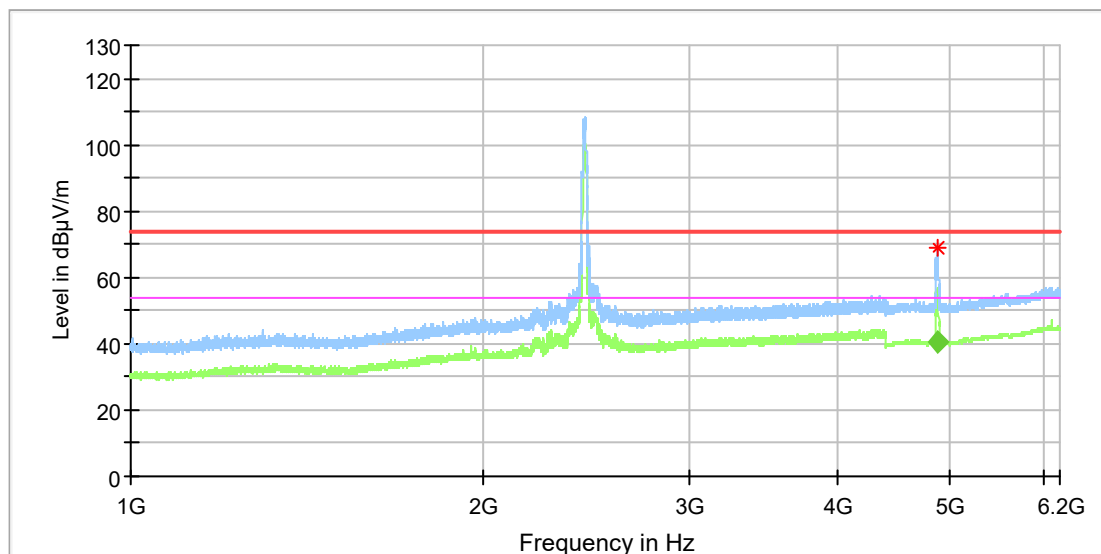
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 77 von 89
Page 77 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	69.19	---	74.00	4.81	100.0	H	247.0	11.8

Final_Result

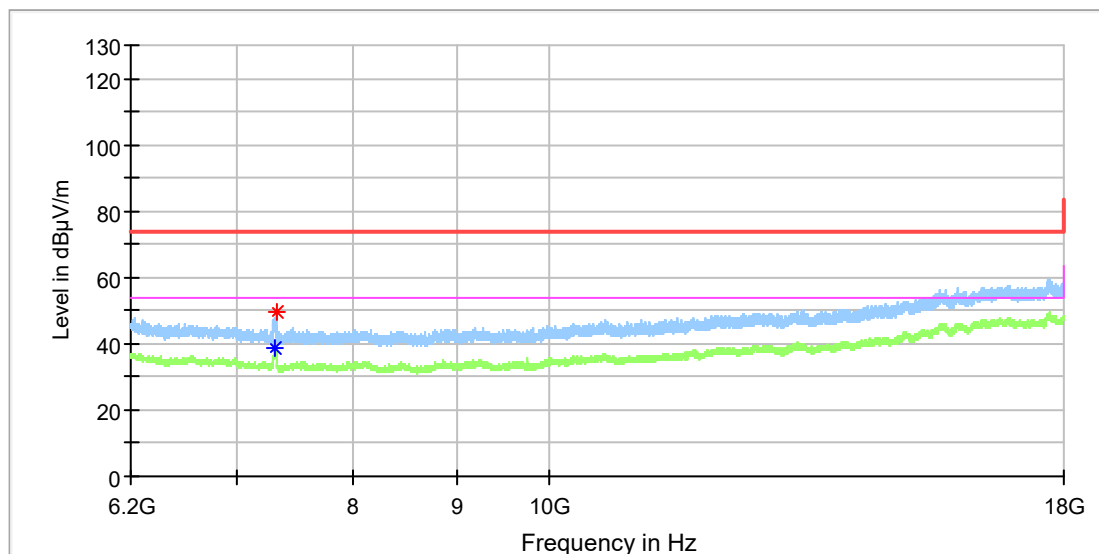
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.833333	40.60	54.00	13.40	105.0	H	245.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 78 von 89
 Page 78 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
 Model: LB2202
 Test Mode: WIFI 2.4G_11n_Ch6
 Test Voltage: DC 5V from USB
 Remark: Temp 23 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.691667	---	38.96	54.00	15.04	100.0	H	113.0	8.2
7319.525000	49.63	---	74.00	24.37	100.0	H	268.0	8.2

Final_Result

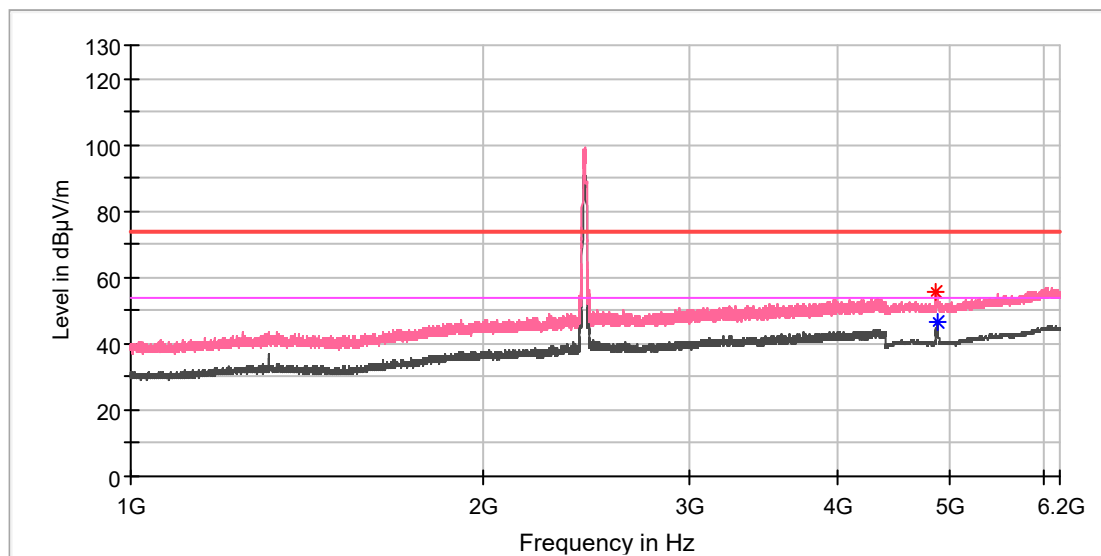
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 79 von 89
Page 79 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11n_Ch6
Test Voltage:	DC 5V from USB
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4867.000000	55.82	---	74.00	18.18	100.0	V	349.0	11.8
4873.000000	---	46.78	54.00	7.22	100.0	V	127.0	11.8

Final_Result

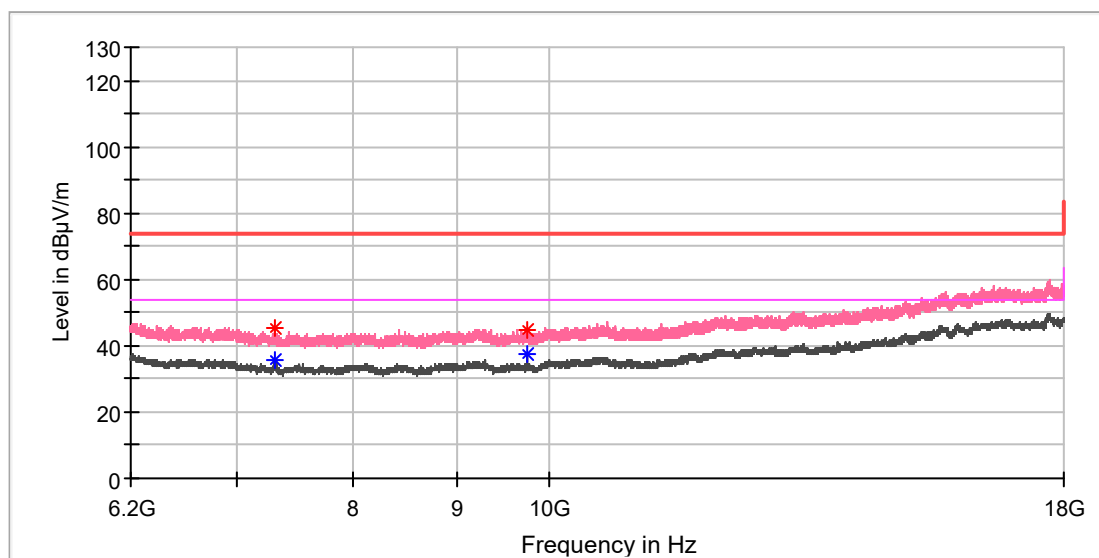
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 80 von 89
Page 80 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch6
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	---	35.48	54.00	18.52	100.0	V	252.0	8.2
7311.658333	45.35	---	74.00	28.65	100.0	V	252.0	8.2
9745.900000	44.45	---	74.00	29.55	100.0	V	356.0	10.4
9747.866667	---	37.53	54.00	16.47	100.0	V	356.0	10.4

Final_Result

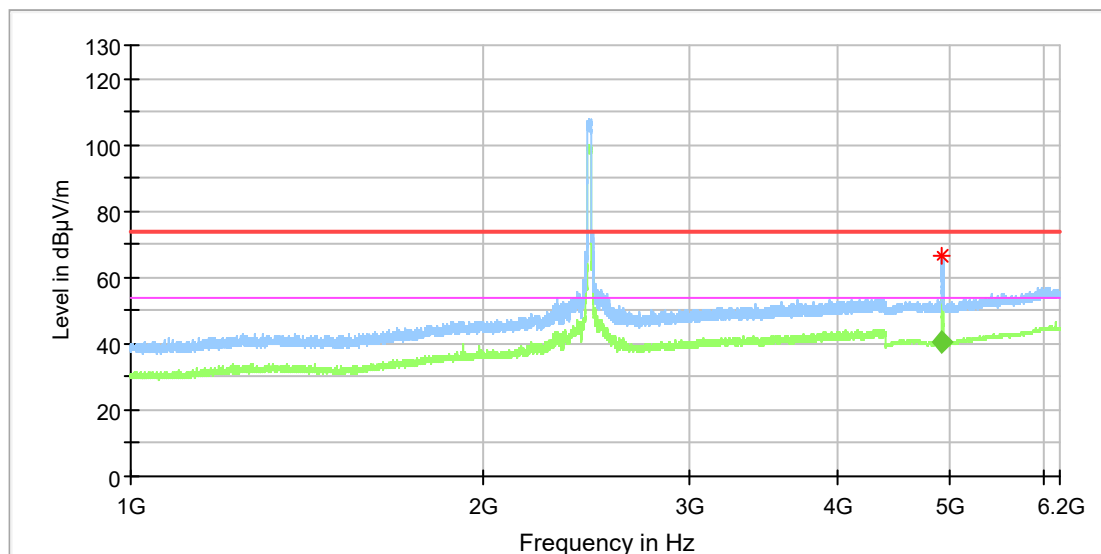
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 81 von 89
Page 81 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	66.65	---	74.00	7.35	100.0	H	238.0	11.8

Final_Result

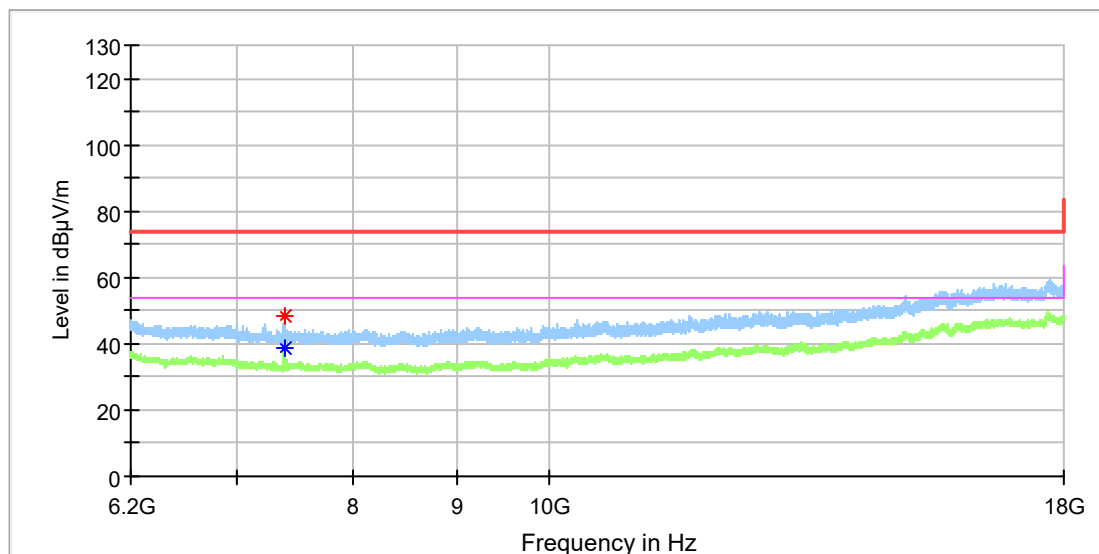
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4921.816667	40.54	54.00	13.46	100.0	H	247.0	11.8

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 82 von 89
Page 82 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7386.391667	48.50	---	74.00	25.50	100.0	H	296.0	8.2
7388.850000	---	38.40	54.00	15.60	100.0	H	296.0	8.2

Final_Result

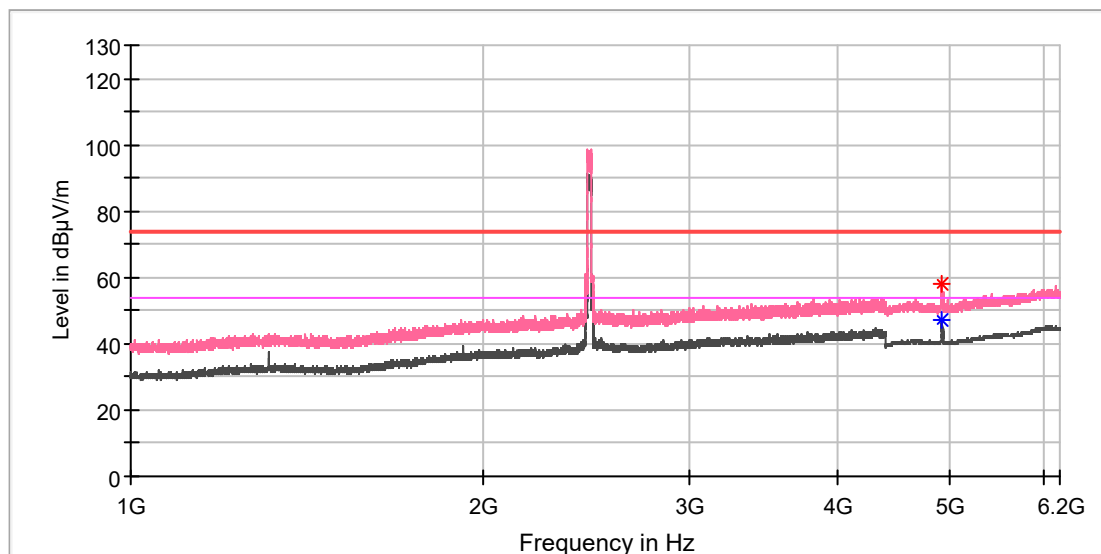
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 83 von 89
Page 83 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4922.000000	58.09	---	74.00	15.91	100.0	V	132.0	11.8
4922.500000	---	47.15	54.00	6.85	100.0	V	132.0	11.8

Final_Result

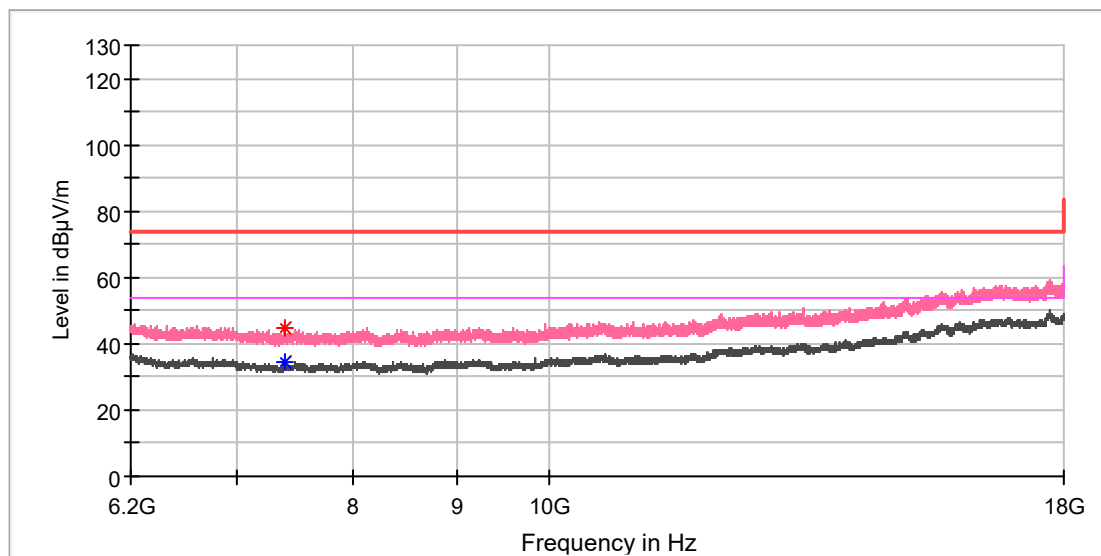
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 84 von 89
Page 84 of 89

EUT Information

EUT Name:	ColorFlux Light Bulb
Model:	LB2202
Test Mode:	WIFI 2.4G_11n_Ch11
Test Voltage:	DC 5V from USB
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7385.900000	44.52	---	74.00	29.48	100.0	V	69.0	8.2
7388.358333	---	34.46	54.00	19.54	100.0	V	55.0	8.2

Final_Result

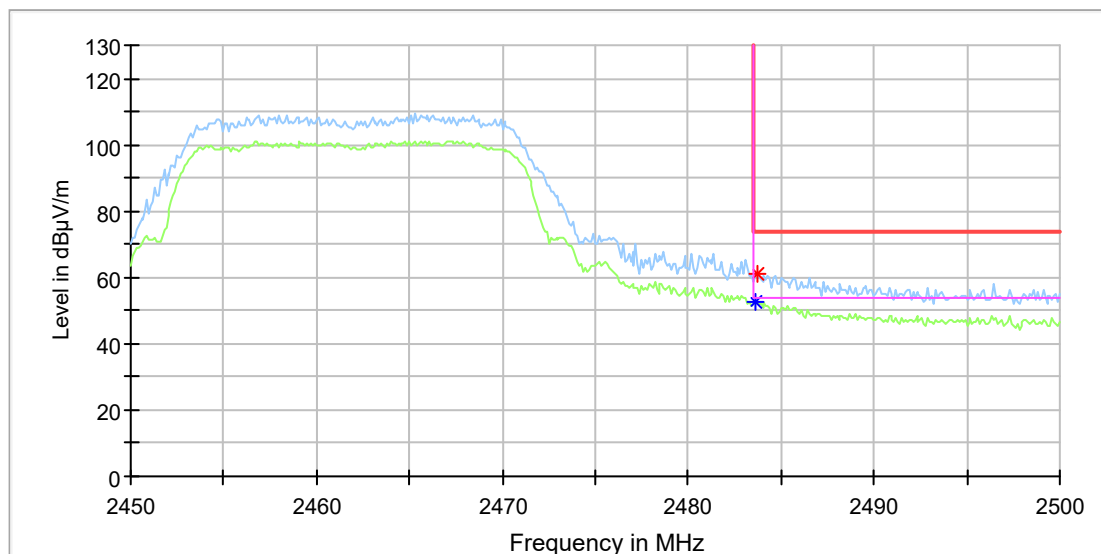
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 85 von 89
Page 85 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.600000	---	52.67	54.00	1.33	100.0	H	25.0	7.4
2483.700000	60.92	---	74.00	13.08	100.0	H	25.0	7.4

Final_Result

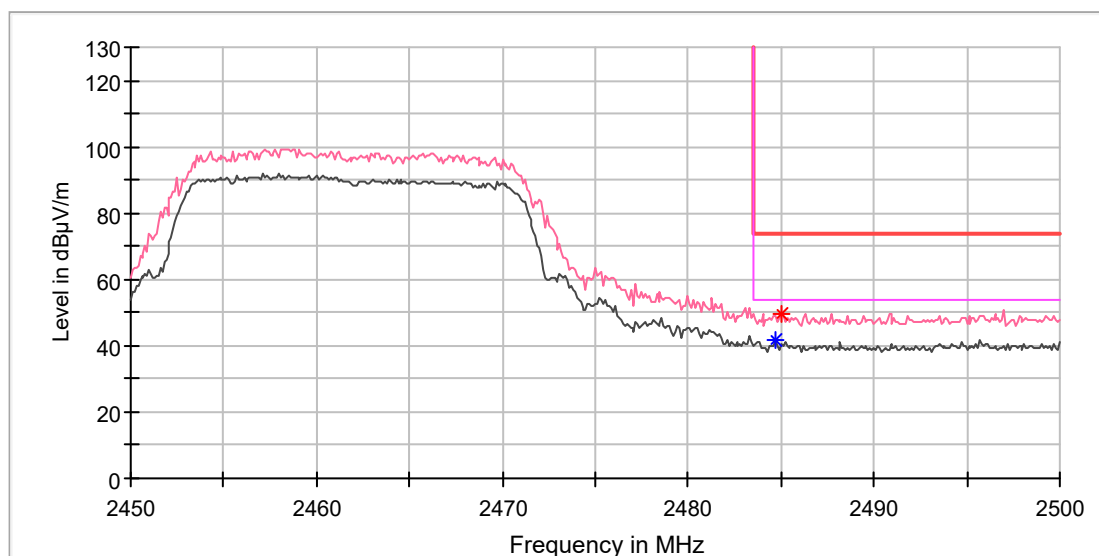
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 86 von 89
Page 86 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Model: LB2202
Test Mode: WIFI 2.4G_11n_Ch11
Test Voltage: DC 5V from USB
Remark: Temp 23 Humi:47%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.700000	---	41.58	54.00	12.42	100.0	V	320.0	7.4
2485.000000	49.82	---	74.00	24.18	100.0	V	320.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Nr.: CN21NB1D 002
*Test Report No.:*Seite 87 von 89
Page 87 of 89

5.1.8 Conducted Emission on AC Mains

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

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

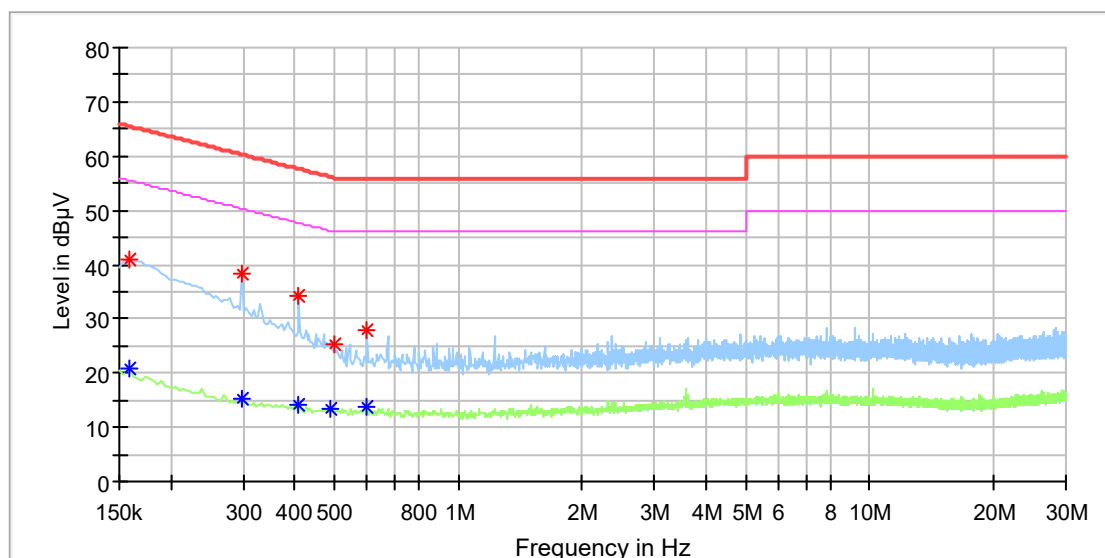
Test Setup

Date of testing	: 2022-02-09
Input voltage	: AC 120V, 60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: 24.5 °C
Relative humidity	: 57 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

EUT Information

EUT Name:	ColorFlux Light Bulb
Order No.:	168351799, item50
Model:	LB2202
Test Mode:	Lighting with WiFi Link
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.158000	---	20.91	55.57	34.66	L1	9.6
0.158000	41.00	---	65.57	24.56	L1	9.6
0.298000	38.26	---	60.30	22.04	L1	9.6
0.298000	---	15.20	50.30	35.10	L1	9.6
0.410000	---	14.15	47.65	33.50	L1	9.7
0.410000	34.26	---	57.65	23.39	L1	9.7
0.490000	---	13.29	46.17	32.87	L1	9.7
0.498000	25.33	---	56.03	30.70	L1	9.7
0.600000	---	13.66	46.00	32.34	L1	9.7
0.600000	27.89	---	56.00	28.11	L1	9.7

Final Result

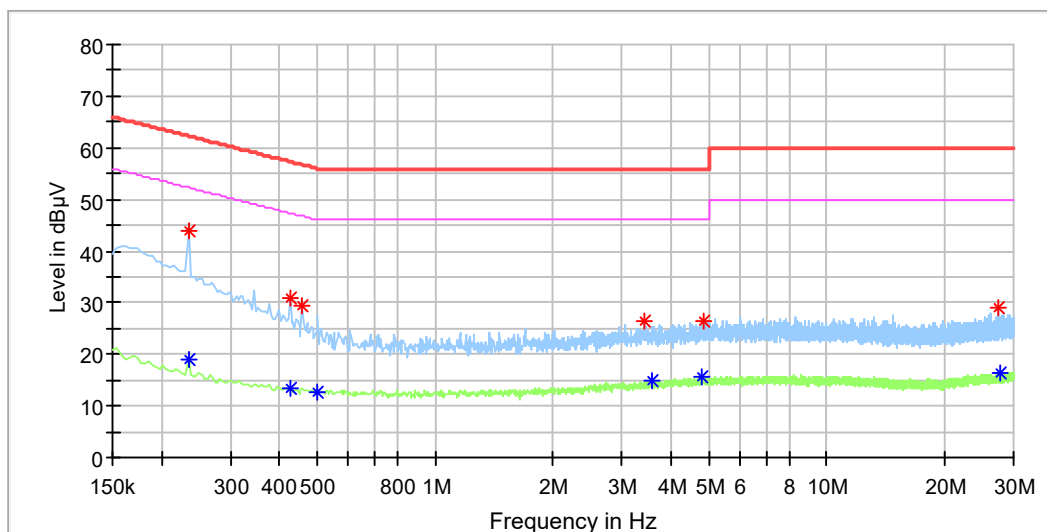
Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
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Prüfbericht - Nr.: CN21NB1D 002
Test Report No.:

Seite 89 von 89
Page 89 of 89

EUT Information

EUT Name: ColorFlux Light Bulb
Order No.: 168351799, item50
Model: LB2202
Test Mode: Lighting with WiFi Link
Test Voltage: AC 120V/60Hz
Test By: Ouyang Wang
Review By: Gary Chen
Remark: SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.234000	---	19.03	52.31	33.27	N	9.6
0.234000	43.73	---	62.31	18.58	N	9.6
0.426000	---	13.54	47.33	33.79	N	9.7
0.426000	30.78	---	57.33	26.55	N	9.7
0.458000	29.41	---	56.73	27.31	N	9.7
0.500000	---	12.73	46.00	33.27	N	9.7
3.412000	26.26	---	56.00	29.74	N	9.9
3.568000	---	14.79	46.00	31.21	N	9.9
4.804000	---	15.54	46.00	30.46	N	10.0
4.832000	26.51	---	56.00	29.49	N	10.0
27.524000	28.93	---	60.00	31.07	N	10.5
27.632000	---	16.51	50.00	33.49	N	10.5

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
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---END---