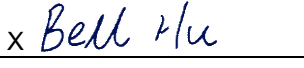


Prüfbericht-Nr.: <i>Test report no.:</i>	CN26G3CK 003	Auftrags-Nr.: <i>Order no.:</i>	168584219	Seite 1 von 22 Page 1 of 22	
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2025-12-01		
Auftraggeber: <i>Client:</i>	Aputure Imaging Industries Co., Ltd. Floor 1, Building 21, Baolongjun Industrial Park, No.1004, Longhua Heping Road, Longping Community, Dalang Street, Longhua District, Shenzhen, Guangdong 518110, China				
Prüfgegenstand: <i>Test item:</i>	LED Panel Video Light				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	NOVA 9° 2x1				
Auftrags-Inhalt: <i>Order content:</i>	Test Report				
Prüfgrundlage: <i>Test specification:</i>	CFR Title 47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 4 July 2025 RSS-Gen Issue 5 February 2021				
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-12-04	Please refer to Photo Document			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A004154891-001				
Prüfzeitraum: <i>Testing period:</i>	2025-12-04 - 2026-01-08				
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>			genehmigt von: <i>authorized by:</i>		
Datum: <i>Date:</i>	2026-01-13	Signed by: Jonathan Li		Ausstellungsdatum: <i>Issue date:</i>	2026-01-13
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / <i>Other:</i>	FCC ID: 2AABZ-NOVA92X1 IC: 28850-NOVA92X1 HVIN: NOVA92X1				
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:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
* Legend:	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(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 above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>					

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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

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

Appendix A: Test Results of Bluetooth LE

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China

A2LA Certificate Number: 5162.01

FCC Accreditation Designation No.: CN1260

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	23.09.2025	22.09.2026
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	23.09.2025	22.09.2026
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	23.09.2025	22.09.2026
DC power supply	Keysight	E3642A	MY61276100	23.09.2025	22.09.2026
Power Control Unit	Tonscend	JS0806-4ADC	N/A	23.09.2025	22.09.2026
Automation Control Unit	Tonscend	JS0806-2	21C8060396	23.09.2025	22.09.2026
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	22.09.2025	21.09.2026
Signal Analyzer	R&S	FSV 40	101439	22.09.2025	21.09.2026
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	22.09.2025	21.09.2026
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	22.09.2025	21.09.2026
Amplifier	R&S	SCU-18F	180070	22.09.2025	21.09.2026
Amplifier	R&S	SCU40A	100475	22.09.2025	21.09.2026
Trilog Broadband Antenna	Schwarzbeck	VULB 9162	193	28.09.2024	27.09.2026

(30 MHz - 7 GHz)					
Double-Ridged Antenna (1-18 GHz)	ETS-LINDGREN	3117	00218717	28.09.2024	27.09.2026
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	28.09.2024	27.09.2026
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	28.09.2024	27.09.2026
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	14.09.2024	13.09.2027

Conducted Emission

Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102428	2026-02-09
Artificial Mains Network	R&S	ENV432	101546	2026-02-09
LISN ENV432-Receiver cable in SR2	Calibration frequency range: 9 kHz~30 MHz			2025-12-20
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.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	±4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

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2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, 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 device is a LED Panel Video Light, which supports Bluetooth low energy wireless technologies.

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

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	LED Panel Video Light
Type Designation:	NOVA 9° 2x1
FCC ID:	2AABZ-NOVA92X1
IC:	28850-NOVA92X1
HVIN:	NOVA92X1
Operating Voltage:	AC 120V/60Hz
Operating Temperature Range:	-20 °C ~ +45 °C
Technical Specification of Bluetooth LE	
Frequency Range:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2 MHz
Data rate	1Mbps, 2Mbps
Antenna Type:	PIFA Antenna
Antenna Gain:	3.32 dBi

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Table 4: RF Channel and Frequency of Bluetooth Low Energy

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

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth LE transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, BLE Communicating
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- User Manual
- FCC/IC Label and Location Info

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 tests were performed according to the procedures in ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024

Table 5: Test channel and frequency of Bluetooth LE

Mode	Test Channels (MHz)	Remark
Transmitting	L/M/H: 2402MHz, 2440MHz, 2480MHz	--

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T480	PF-16A6N8	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)

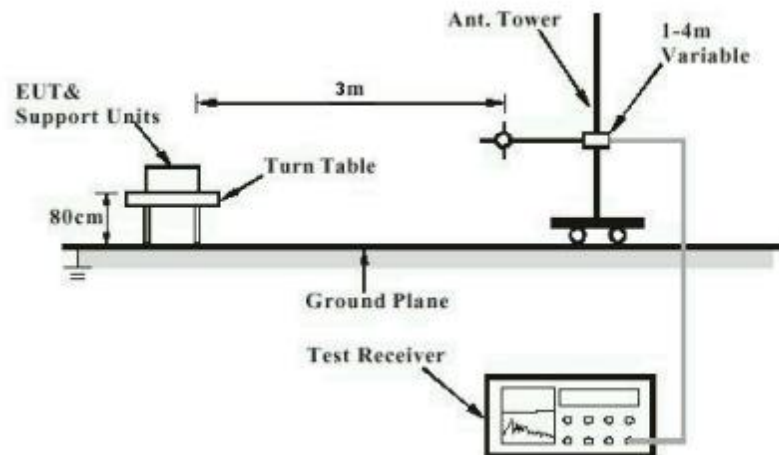


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

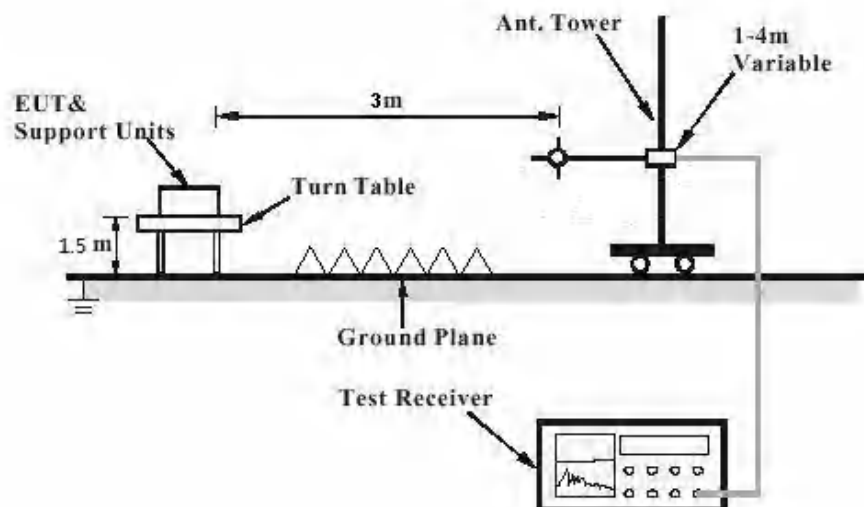


Diagram of Measurement Configuration for Mains Conduction Measurement

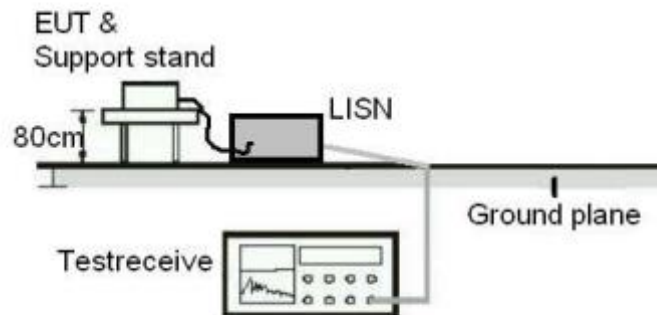
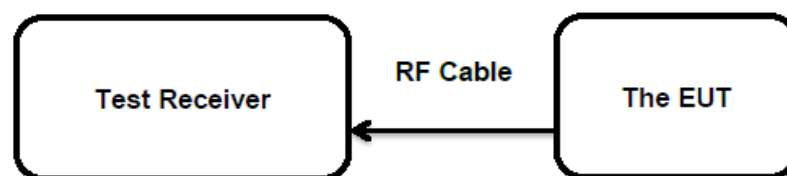


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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
RSS-Gen Clause 6.8

According to the manufacturer declared, the EUT has a PIFA antenna, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

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

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(b)(3) RSS-247 Clause 6.2.3, 6.3.2
Basic standard	: ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: 1.0 Watts
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-12-04 - 2026-01-08
Input voltage	: AC 120V/60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25.6 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(e) RSS-247 Clause 6.3.1
Basic standard	: ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-12-04 - 2026-01-08
Input voltage	: AC 120V/60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25.6 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.4 6dB Bandwidth

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

Test standard : FCC Part 15.247(a)(2)
RSS-247 Clause 6.3.1

Basic standard : ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+
C63.10a:2024

Limits : > 500 KHz

Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-12-04 - 2026-01-08

Input voltage : AC 120V/60Hz

Operation mode : A

Test channel : Low / Middle / High

Ambient temperature : 25.6 °C

Relative humidity : 51 %

Atmospheric pressure : 101 kPa

DTS bandwidth setup:

RBW=In the range of 1%~5% of the OBW
but not less than 100KHz.

VBW=3RBW

Detector=Peak

Trace mode=Max-hold

Sweep= No faster than coupled(auto)time

For the measurement records, refer to the appendix A.

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5.1.5 99% Bandwidth

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

Test standard : RSS-Gen Clause 6.7
Basic standard : ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+
C63.10a:2024
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-12-04 - 2026-01-08
Input voltage : AC 120V/60Hz
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25.6 °C
Relative humidity : 51 %
Atmospheric pressure : 101 kPa

DTS bandwidth setup:
RBW=In the range of 1%~5% of the OBW
but not less than 100KHz.
VBW=3RBW
Detector=Peak
Trace mode=Max-hold
Sweep= No faster than coupled(auto)time
For the measurement records, refer to the appendix A.

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 6.2.3
Basic standard	: ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
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	: 2025-12-04 - 2026-01-08
Input voltage	: AC 120V/60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25.6 °C
Relative humidity	: 51 %
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 the measurement records, refer to the appendix A.

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5.1.7 Radiated Spurious Emission

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

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 6.2.3
Basic standard	: ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Section 8.9 & 8.10
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2025-12-04 - 2026-01-08
Input voltage	: AC 120V/60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

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5.1.8 Conducted Emission on AC Mains

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

Test standard	: FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	: ANSI C63.10:2020 and ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
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	: 2025-12-04 - 2026-01-08
Input voltage	: AC 120V/60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: 24.3 °C
Relative humidity	: 52.8 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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1.1 Appendix A.1: DTS Bandwidth

1.1.1 Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.676	2402.328	0.5	PASS
		2440	0.700	2439.664	2440.364	0.5	PASS
		2480	0.680	2479.652	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.364	2401.328	2402.692	0.5	PASS
		2440	1.304	2439.320	2440.624	0.5	PASS
		2480	1.256	2479.372	2480.628	0.5	PASS

1.1.2 Test Graphs







1.2 Appendix A.2: Occupied Channel Bandwidth

1.2.1 Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0300	2401.4882	2402.5182	---	---
		2440	1.0417	2439.4848	2440.5265	---	---
		2480	1.0427	2479.4856	2480.5283	---	---
BLE_2M	Ant1	2402	2.0662	2400.9551	2403.0213	---	---
		2440	2.0662	2438.9739	2441.0401	---	---
		2480	2.0695	2478.9833	2481.0528	---	---

1.2.2 Test Graphs





BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



1.3 Appendix A.3: Maximum conducted output power

1.3.1 Test Result PK

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.02	≤30	PASS
		2440	6.33	≤30	PASS
		2480	4.63	≤30	PASS
BLE_2M	Ant1	2402	5.89	≤30	PASS
		2440	6.24	≤30	PASS
		2480	4.52	≤30	PASS

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 3.32dBi
e.i.r.p.= $P_{(\text{Peak power})} + G$, which is far below the 4 W

1.3.2 Test Result AV

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.82	≤30	PASS
		2440	6.22	≤30	PASS
		2480	4.21	≤30	PASS
BLE_2M	Ant1	2402	5.58	≤30	PASS
		2440	6.22	≤30	PASS
		2480	4.21	≤30	PASS

1.4 Appendix A.4: Maximum power spectral density

1.4.1 Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-2.55	≤8.00	PASS
		2440	-3.96	≤8.00	PASS
		2480	-6.48	≤8.00	PASS
BLE_2M	Ant1	2402	-7.06	≤8.00	PASS
		2440	-6.50	≤8.00	PASS
		2480	-7.60	≤8.00	PASS

1.4.2 Test Graphs







1.5 Appendix A.5: Band edge measurements

1.5.1 Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.13	-41.88	≤-15.87	PASS
		High	2480	3.50	-42.94	≤-16.50	PASS
BLE_2M	Ant1	Low	2402	3.70	-30.10	≤-16.30	PASS
		High	2480	1.84	-42.55	≤-18.16	PASS

1.5.2 Test Graphs





BLE 2M Ant1 High 2480

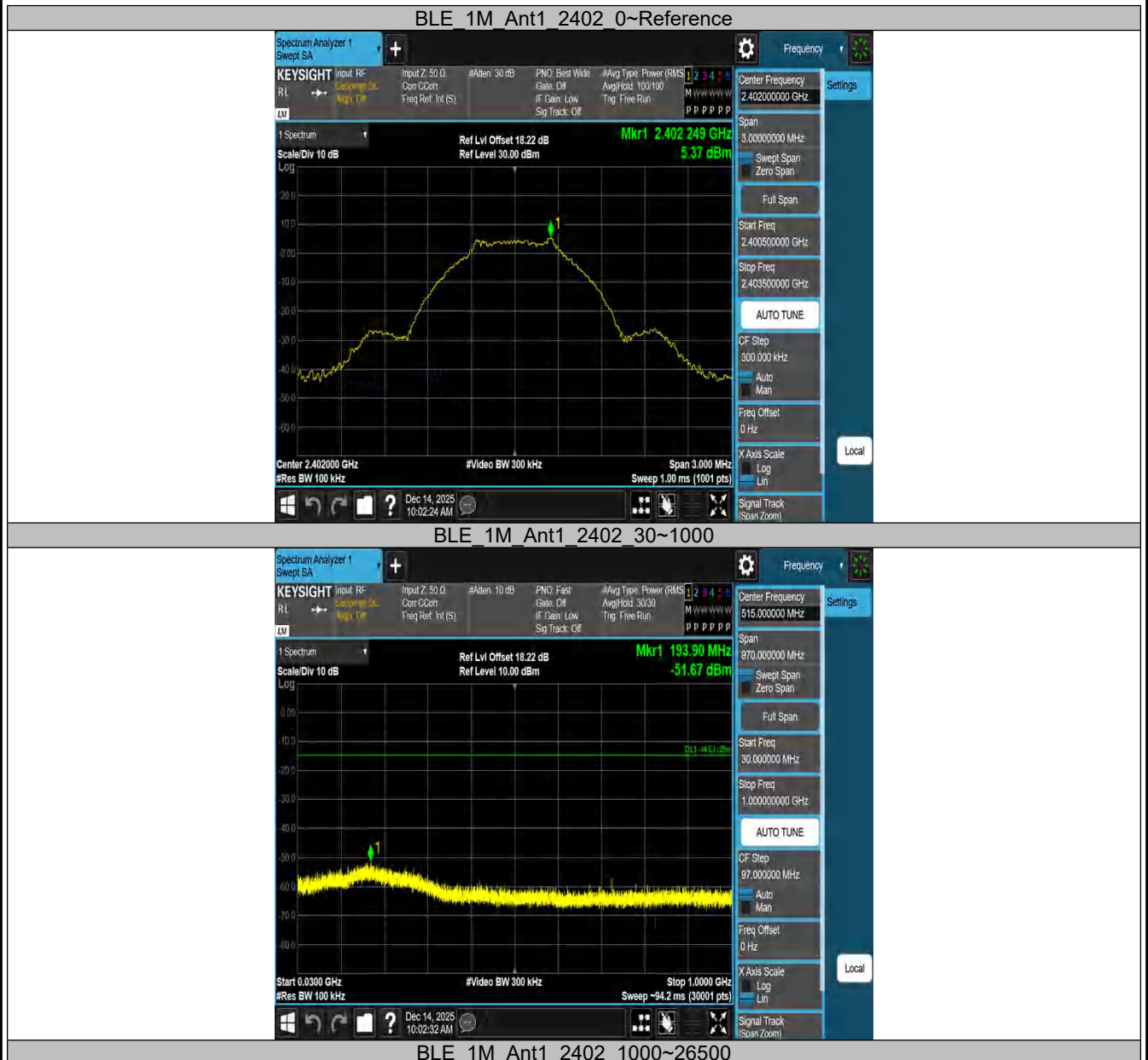


1.6 Appendix A.6: Conducted Spurious Emission

1.6.1 Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.37	5.37	---	PASS
			30~1000	5.37	-51.67	≤-14.63	PASS
			1000~26500	5.37	-53.53	≤-14.63	PASS
		2440	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-51.42	≤-14.8	PASS
			1000~26500	5.20	-49.5	≤-14.8	PASS
		2480	Reference	3.44	3.44	---	PASS
			30~1000	3.44	-51.3	≤-16.56	PASS
			1000~26500	3.44	-54.26	≤-16.56	PASS
BLE_2M	Ant1	2402	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-51.87	≤-16.45	PASS
			1000~26500	3.55	-54.76	≤-16.45	PASS
		2440	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-51.67	≤-16.47	PASS
			1000~26500	3.53	-54.73	≤-16.47	PASS
		2480	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-51.31	≤-18.25	PASS
			1000~26500	1.75	-54.03	≤-18.25	PASS

1.6.2 Test Graphs

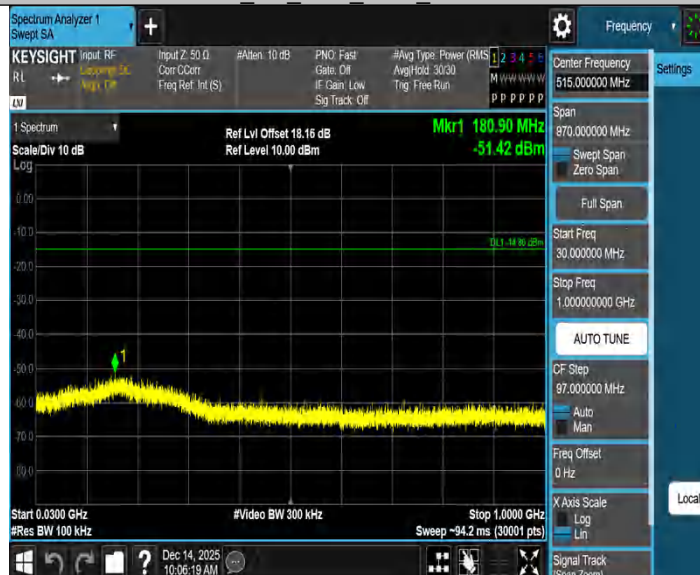




BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



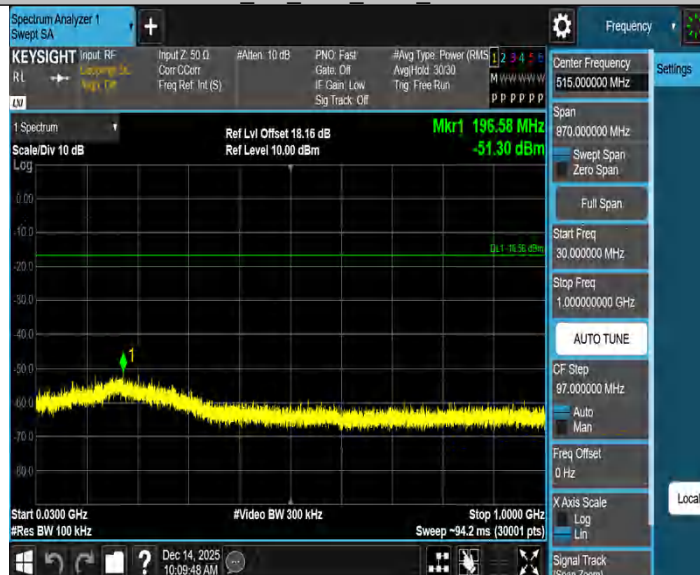
BLE 1M Ant1 2440 1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



BLE 2M Ant1 2480 1000~26500



1.7 Appendix A.7: Test Results of Radiated Spurious Emissions

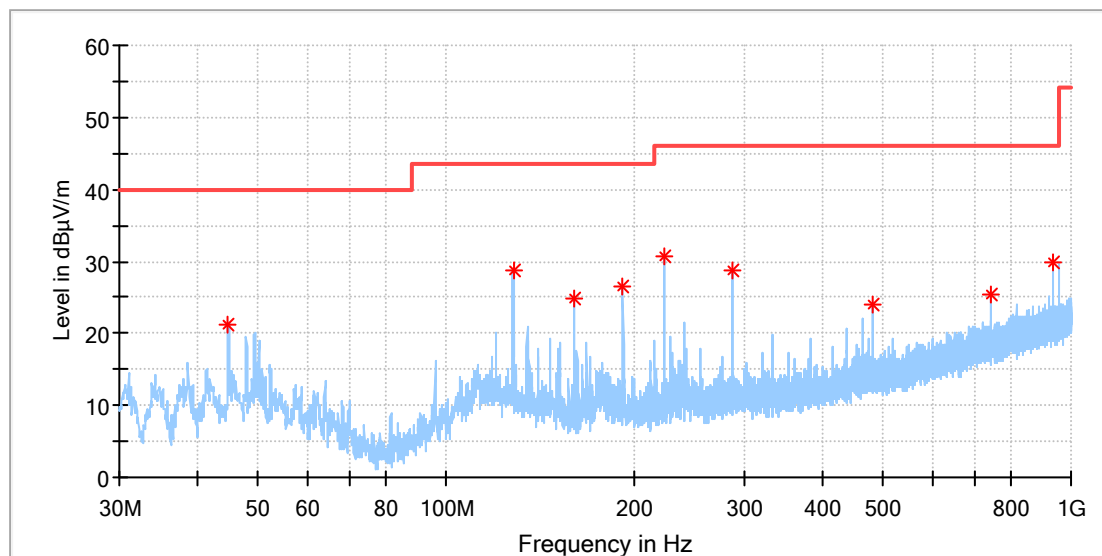
Note:

- 1) This testing was carried out on different modulations and Low/middle/high channels, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.819444	21.32	40.00	18.68	100.0	H	132.0	-19.0
128.023889	28.74	43.50	14.76	100.0	H	35.0	-21.7
159.980000	24.81	43.50	18.69	100.0	H	35.0	-21.8
191.990000	26.45	43.50	17.05	100.0	H	74.0	-19.5
224.000000	30.71	46.00	15.29	100.0	H	74.0	-18.4
288.020000	28.78	46.00	17.22	100.0	H	358.0	-16.6
479.918333	24.01	46.00	21.99	100.0	H	6.0	-12.1
742.518889	25.34	46.00	20.66	100.0	H	132.0	-7.2
937.542778	29.73	46.00	16.27	100.0	H	190.0	-4.4

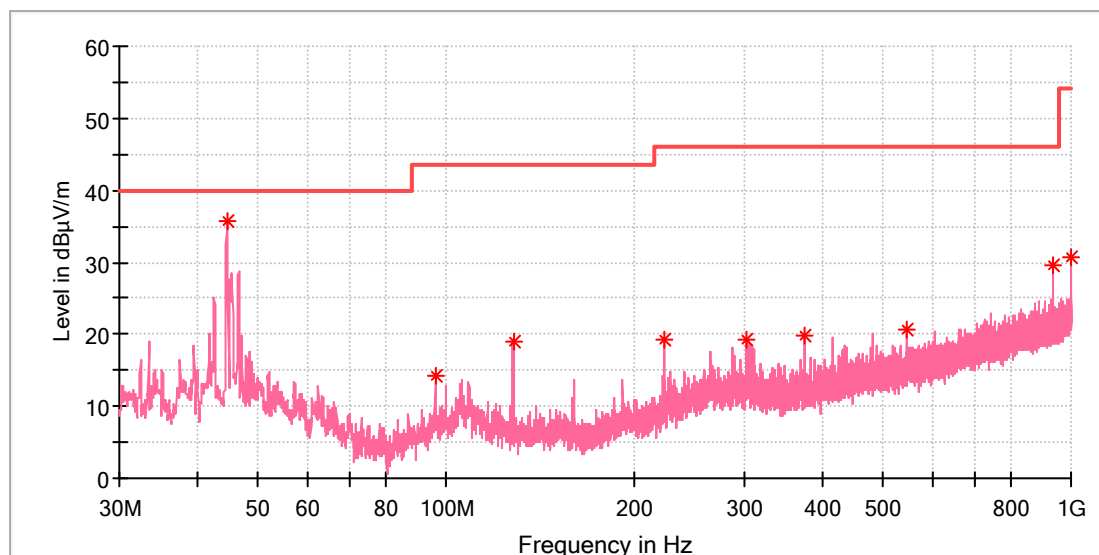
Final_Result

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

Test Report

EUT Information

EUT Name: LED Panel Video light
 Model: NOVA 9° 2X1
 Test Mode: BLE 1M_Mid channel
 Order No./Sample No: 168584219/A004150565-003
 Test Voltage:: AC 120V/60HZ
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.603889	35.74	40.00	4.26	100.0	V	75.0	-19.0
96.013889	14.26	43.50	29.24	100.0	V	327.0	-19.7
128.023889	19.05	43.50	24.45	100.0	V	120.0	-21.7
224.000000	19.24	46.00	26.76	100.0	V	198.0	-18.4
302.462222	19.24	46.00	26.76	100.0	V	16.0	-16.2
374.996667	19.68	46.00	26.32	100.0	V	126.0	-14.3
544.046111	20.62	46.00	25.38	100.0	V	68.0	-10.9
937.542778	29.54	46.00	16.46	100.0	V	39.0	-4.4
999.030000	30.82	54.00	23.18	100.0	V	134.0	-3.5

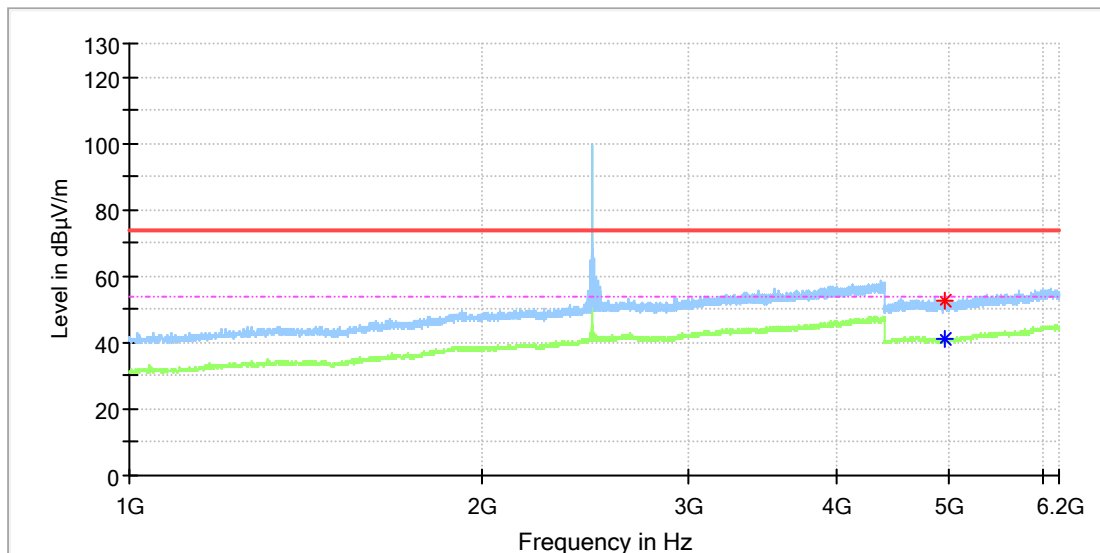
Final Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
4950.000000	---	41.39	54.00	12.61	150.0	H	345.0	13.3
4959.500000	52.57	---	74.00	21.43	150.0	H	183.0	13.3

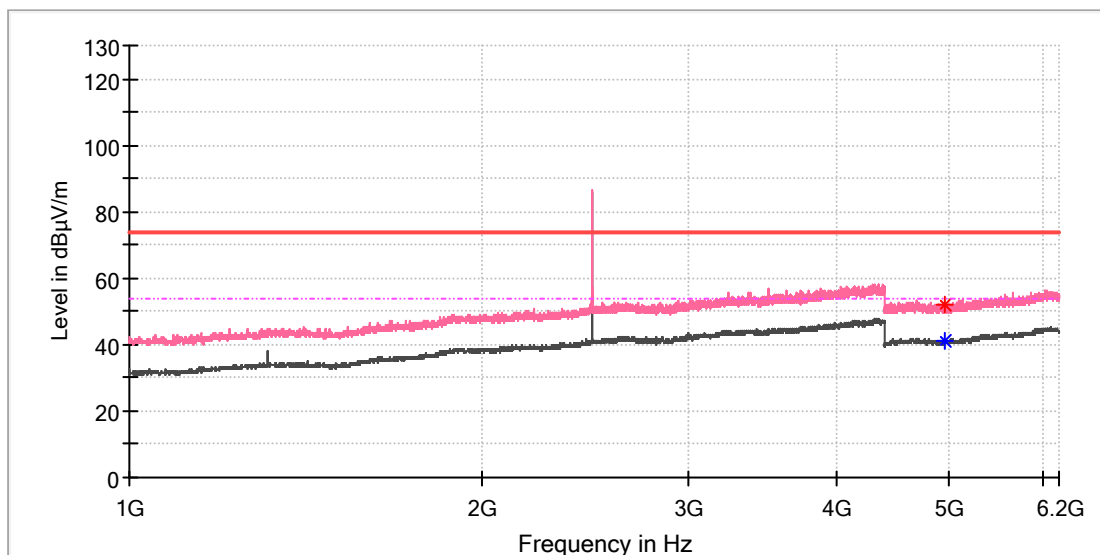
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
4955.500000	---	41.17	54.00	12.83	150.0	V	76.0	13.3
4960.500000	51.95	---	74.00	22.05	150.0	V	159.0	13.3

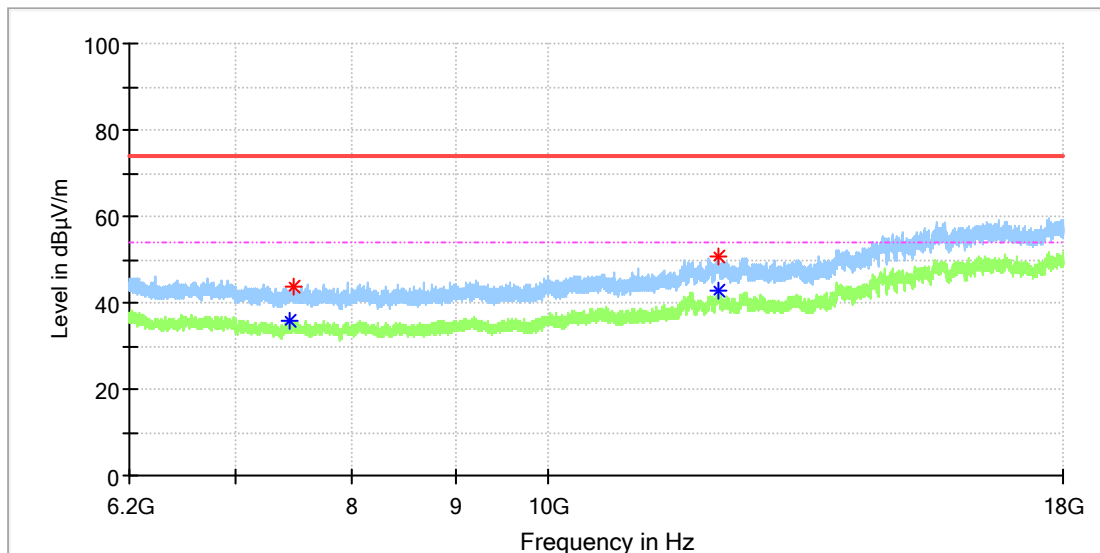
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)	PoI	Azimuth (deg)	Corr. (dB/m)
7439.491667	---	36.03	54.00	17.97	150.0	H	354.0	8.4
7481.775000	43.87	---	74.00	30.13	150.0	H	0.0	8.7
12142.775000	50.75	---	74.00	23.25	150.0	H	0.0	16.5
12149.166667	---	42.95	54.00	11.05	150.0	H	125.0	16.7

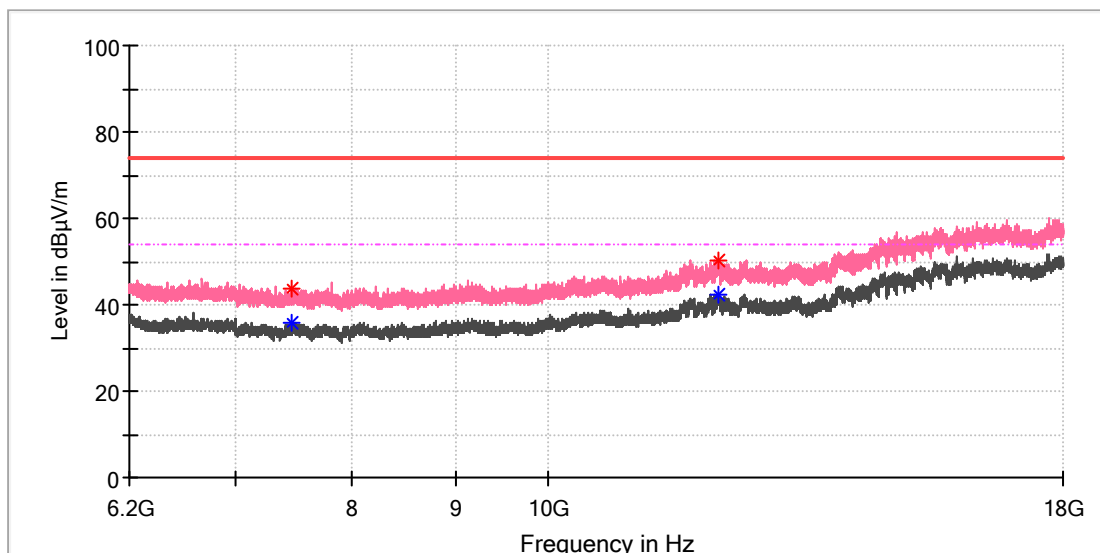
Final_Result

[illegible]

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
7465.550000	43.67	---	74.00	30.33	150.0	V	160.0	8.6
7465.550000	---	35.71	54.00	18.29	150.0	V	160.0	8.6
12143.758333	---	42.50	54.00	11.50	150.0	V	341.0	16.6
12150.641667	50.15	---	74.00	23.85	150.0	V	149.0	16.7

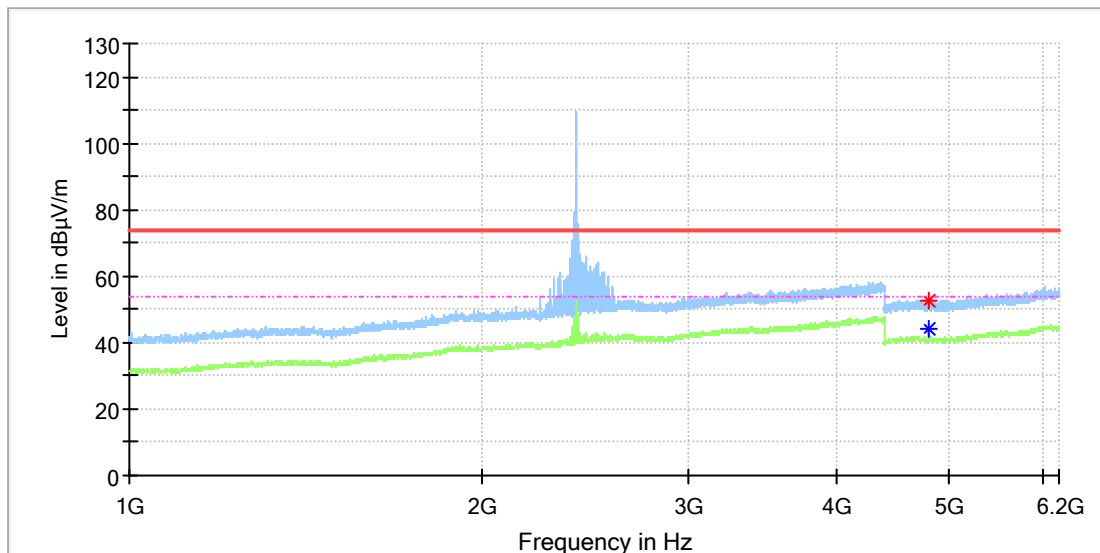
Final_Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
4803.000000	52.66	---	74.00	21.34	150.0	H	241.0	13.3
4803.000000	---	44.14	54.00	9.86	150.0	H	241.0	13.3

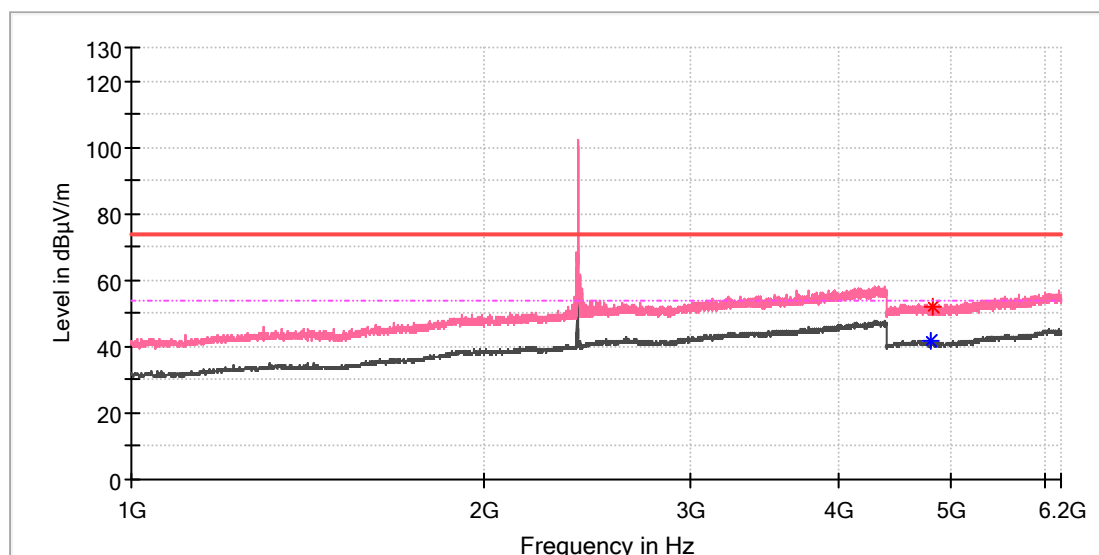
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
4803.000000	---	41.95	54.00	12.05	150.0	V	43.0	13.3
4812.000000	52.25	---	74.00	21.75	150.0	V	294.0	13.3

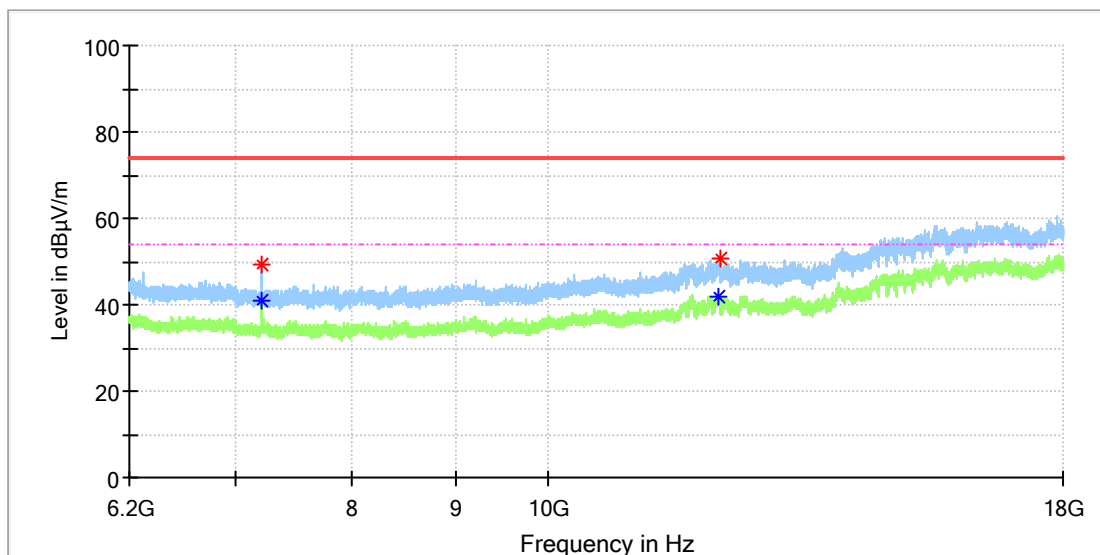
Final Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
7206.933333	49.47	---	74.00	24.53	150.0	H	0.0	8.8
7206.933333	---	40.86	54.00	13.14	150.0	H	0.0	8.8
12149.166667	---	41.96	54.00	12.04	150.0	H	156.0	16.7
12159.983333	50.80	---	74.00	23.20	150.0	H	26.0	16.2

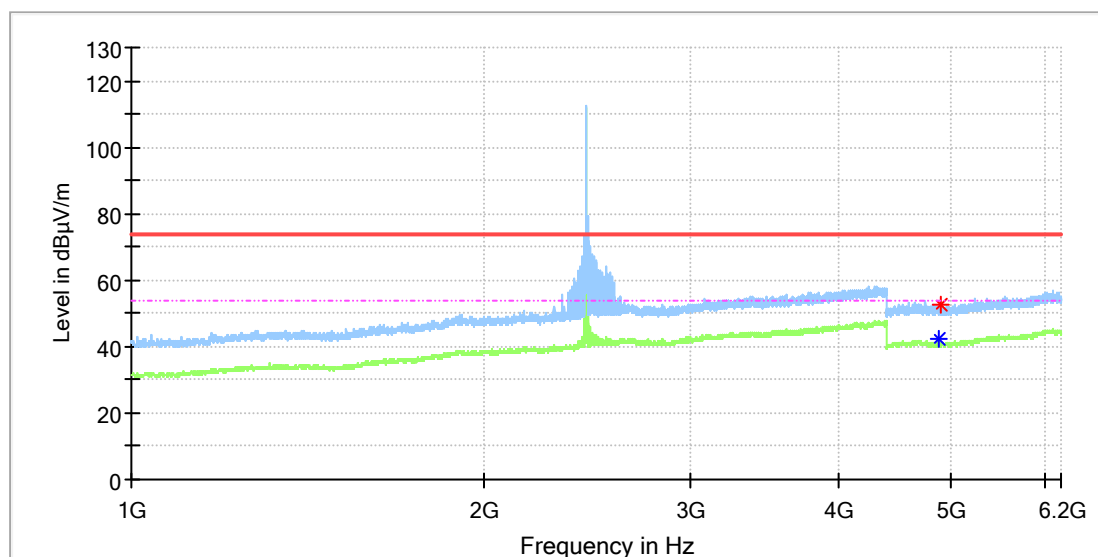
Final_Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
4880.000000	---	42.41	54.00	11.59	150.0	H	146.0	13.3
4899.000000	52.43	---	74.00	21.57	150.0	H	201.0	13.3

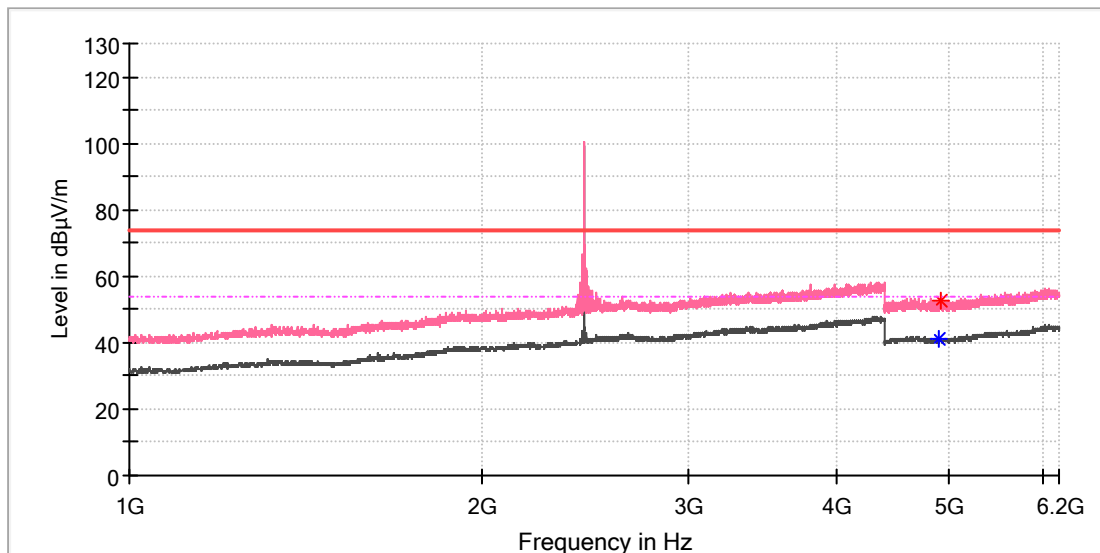
Final Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
4898.500000	---	41.38	54.00	12.62	150.0	V	207.0	13.3
4910.500000	52.32	---	74.00	21.68	150.0	V	347.0	13.3

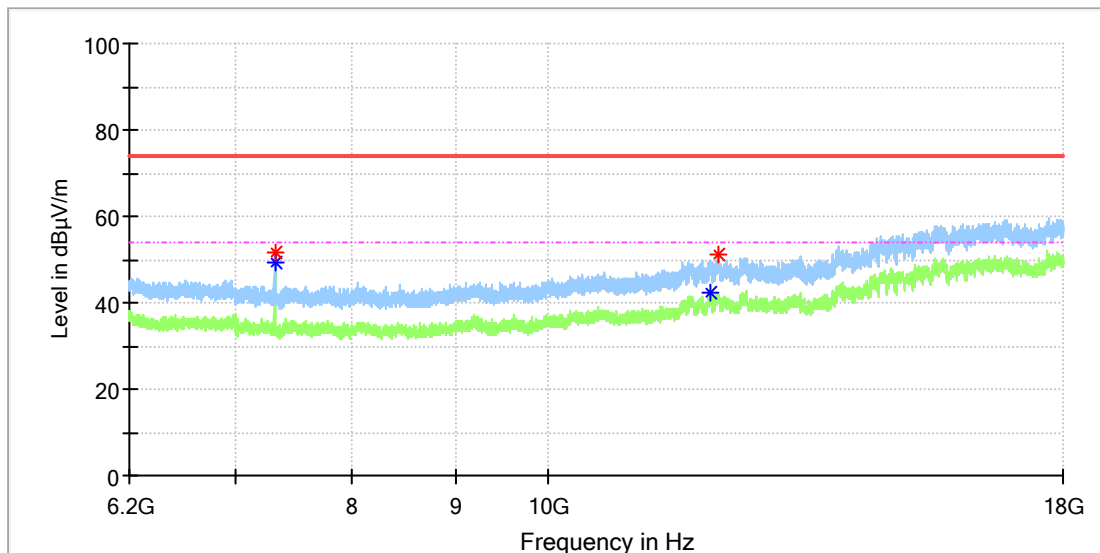
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
7319.033333	---	49.21	54.00	4.79	150.0	H	254.0	8.2
7319.033333	51.50	---	74.00	22.50	150.0	H	254.0	8.2
12035.100000	---	42.46	54.00	11.54	150.0	H	84.0	16.1
12153.591667	51.02	---	74.00	22.98	150.0	H	150.0	16.5

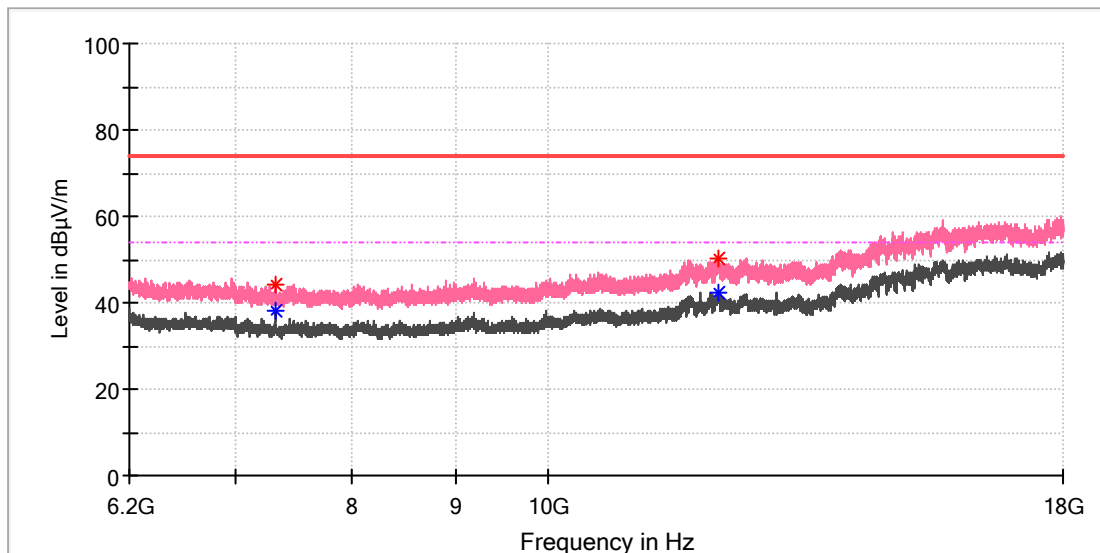
Final_Result

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

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
7319.033333	---	38.04	54.00	15.96	150.0	V	161.0	8.2
7319.033333	44.07	---	74.00	29.93	150.0	V	161.0	8.2
12146.708333	50.31	---	74.00	23.69	150.0	V	0.0	16.6
12148.183333	---	42.18	54.00	11.82	150.0	V	41.0	16.7

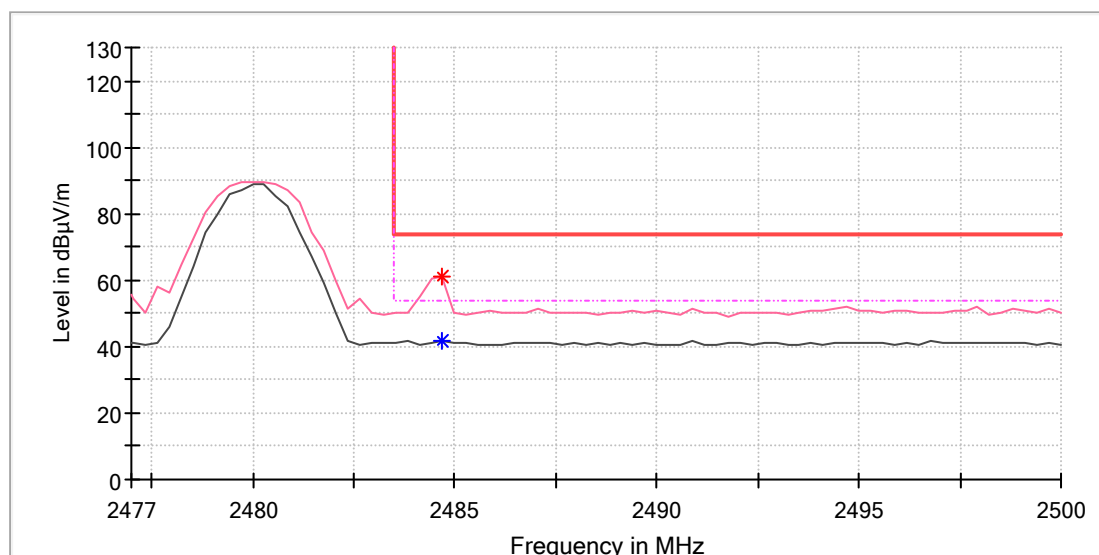
Final Result

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

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
2484.705882	---	41.44	54.00	12.56	150.0	V	302.0	9.0
2484.705882	60.90	---	74.00	13.10	150.0	V	302.0	9.0

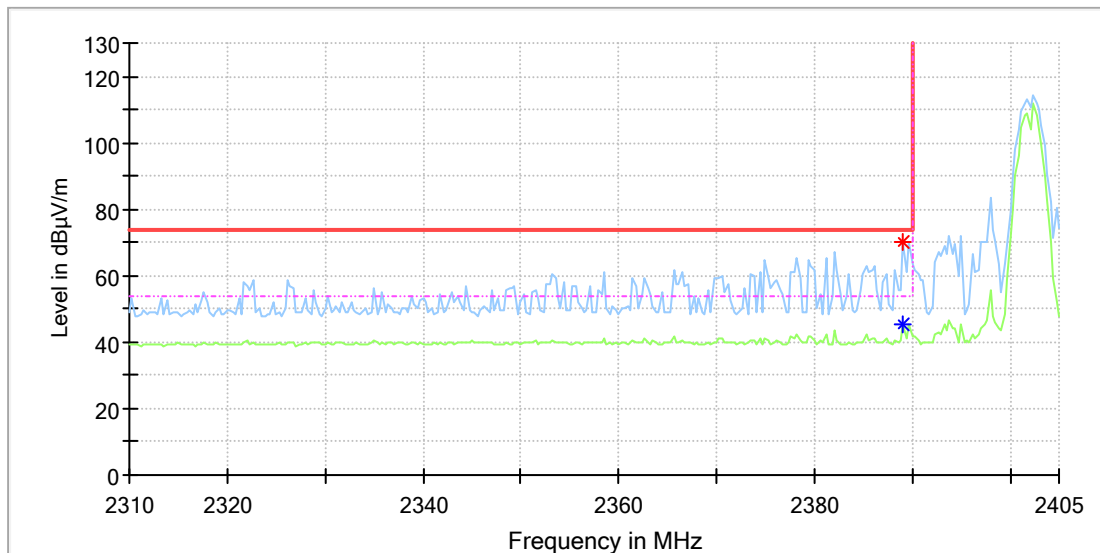
Final Result

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

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
2389.117647	---	45.46	54.00	8.54	150.0	H	292.0	8.5
2389.117647	70.35	---	74.00	3.65	150.0	H	292.0	8.5

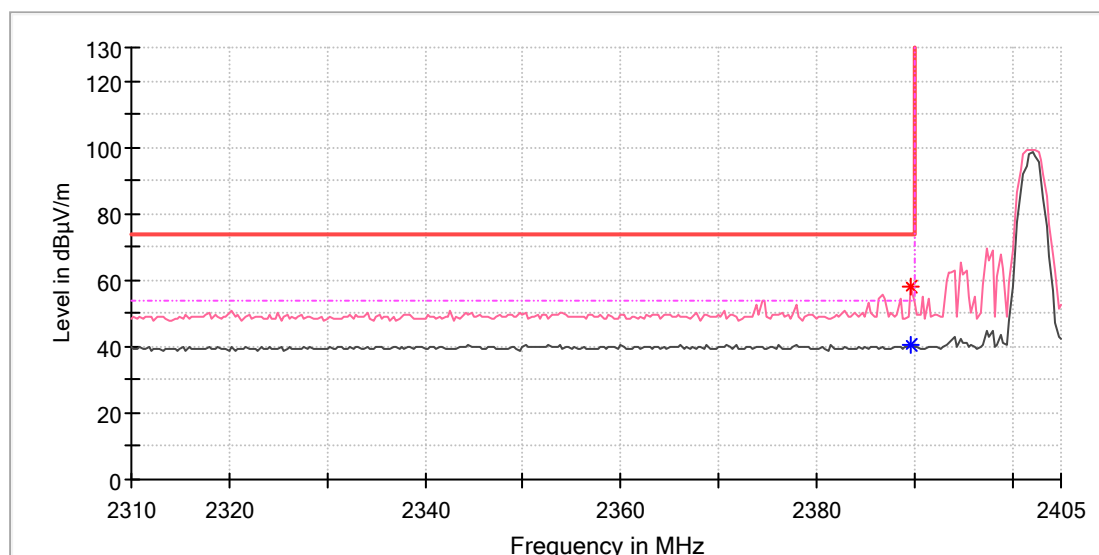
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
2389.705882	---	40.21	54.00	13.79	150.0	V	129.0	8.5
2389.705882	58.17	---	74.00	15.83	150.0	V	129.0	8.5

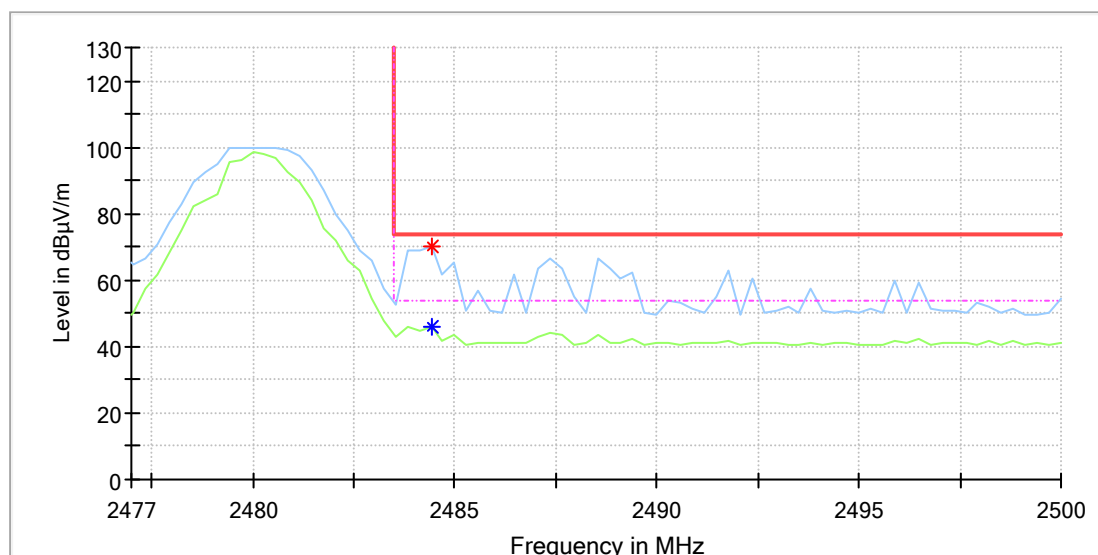
Final Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
2484.411765	---	45.70	54.00	8.30	150.0	H	326.0	9.0
2484.411765	70.34	---	74.00	3.66	150.0	H	326.0	9.0

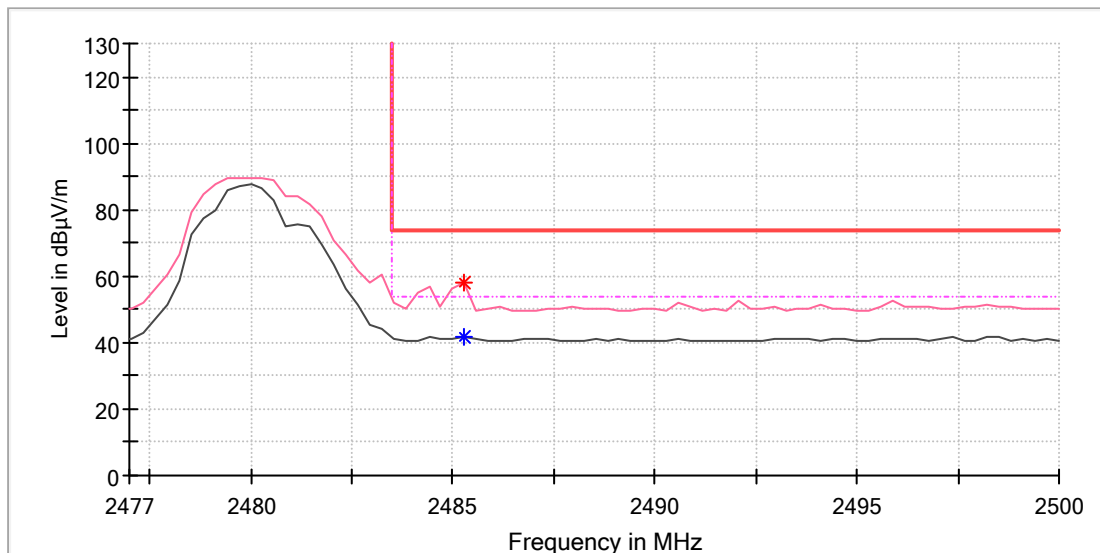
Final Result

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

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
2485.294118	---	41.98	54.00	12.02	150.0	V	20.0	9.0
2485.294118	57.80	---	74.00	16.20	150.0	V	20.0	9.0

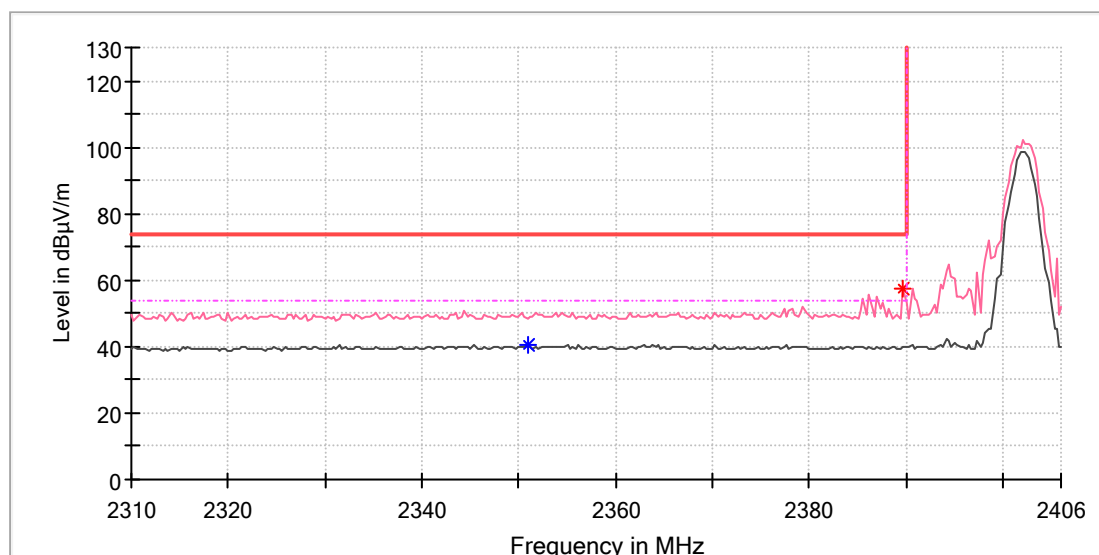
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

Test Report

EUT Information

EUT Name:	LED Panel Video light
Model:	NOVA 9° 2X1
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168584219/A004150565-003
Test Voltage::	AC 120V/60HZ
Remark:	Temp 24 Humi:50%
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)
2350.882353	---	40.63	54.00	13.37	150.0	V	260.0	8.5
2389.705882	57.55	---	74.00	16.45	150.0	V	38.0	8.5

Final Result

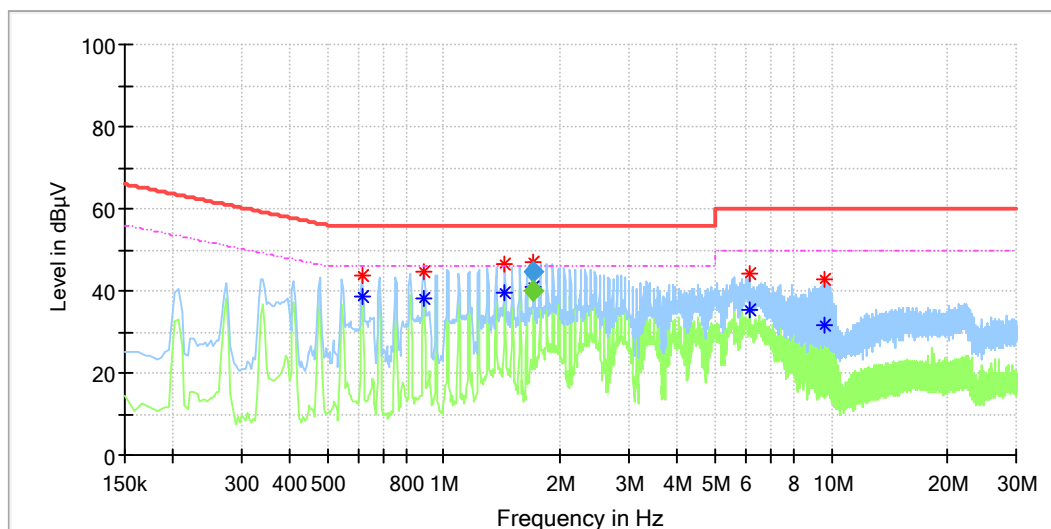
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1.9 Appendix A.9: Test Results of Conducted Emission on AC Mains

Test Report

EUT Information

EUT Name:	LED Panel Video Light
Order Number:	168584219
Model:	Nova 9°2x1
Test Mode:	Lighting+LAN+USB+DMX in/out+BT Connecting
Test Voltage:	AC 120V 60Hz
Test Standard:	FCC PART 15
Test By:/Review By:	Aric Wang/Murphy Chen
Tem./Hum./Pressure:	24.3°C/51.0%/101kPa
Remark:	SR 2



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.614	---	38.8	46.00	7.18	L1	9.6
0.614	43.8	---	56.00	12.18	L1	9.6
0.886	---	38.0	46.00	8.05	L1	9.7
0.890	44.5	---	56.00	11.52	L1	9.7
1.434	---	39.5	46.00	6.48	L1	9.6
1.434	46.3	---	56.00	9.71	L1	9.6
1.702	---	41.0	46.00	5.01	L1	9.6
1.706	46.9	---	56.00	9.08	L1	9.6
6.150	---	35.1	50.00	14.87	L1	9.8
6.150	44.1	---	60.00	15.87	L1	9.8
9.558	---	31.5	50.00	18.49	L1	10.0
9.562	43.0	---	60.00	16.99	L1	10.0

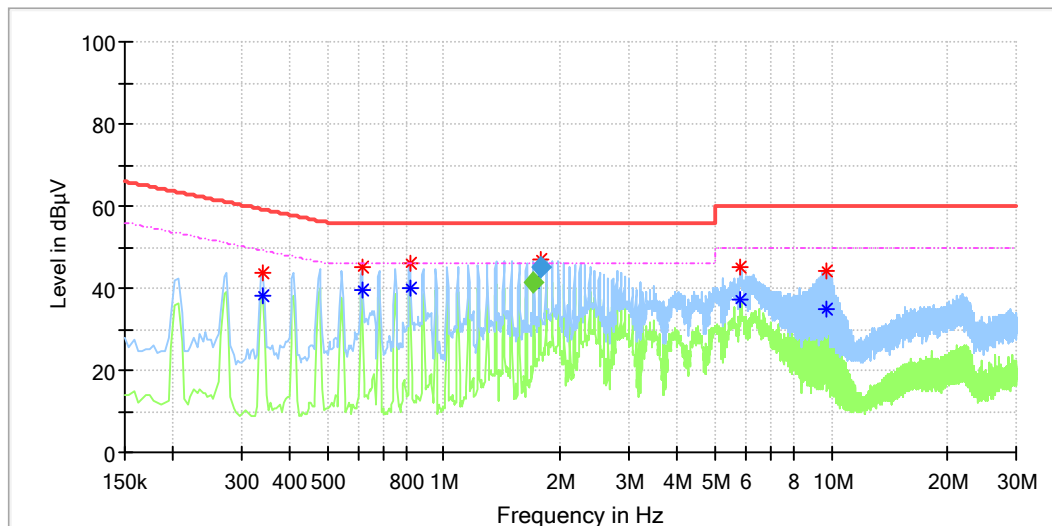
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
1.702	---	40.1	46.00	5.92	1000.0	9.0	L1	9.6
1.706	44.6	---	56.00	11.36	1000.0	9.0	L1	9.6

Test Report

EUT Information

EUT Name:	LED Panel Video Light
Order Number:	168584219
Model:	Nova 9°2x1
Test Mode:	Lighting+LAN+USB+DMX in/out+BT Connecting
Test Voltage:	AC 120V 60Hz
Test Standard:	FCC PART 15
Test By:/Review By:	Aric Wang/Murphy Chen
Tem./Hum./Pressure:	24.3°C/51.0%/101kPa
Remark:	SR 2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.342	43.6	---	59.16	15.51	N	9.9
0.342	---	38.2	49.16	10.92	N	9.9
0.614	---	39.5	46.00	6.53	N	9.9
0.614	45.3	---	56.00	10.73	N	9.9
0.818	---	40.1	46.00	5.86	N	9.8
0.818	45.8	---	56.00	10.17	N	9.8
1.702	---	41.4	46.00	4.59	N	9.9
1.770	46.8	---	56.00	9.23	N	9.9
5.786	---	37.0	50.00	12.98	N	9.8
5.786	45.1	---	60.00	14.88	N	9.8
9.670	---	35.0	50.00	14.97	N	9.7
9.674	44.4	---	60.00	15.64	N	9.7

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
1.702	---	41.6	46.00	4.45	1000.0	9.0	N	9.9
1.770	45.3	---	56.00	10.72	1000.0	9.0	N	9.9

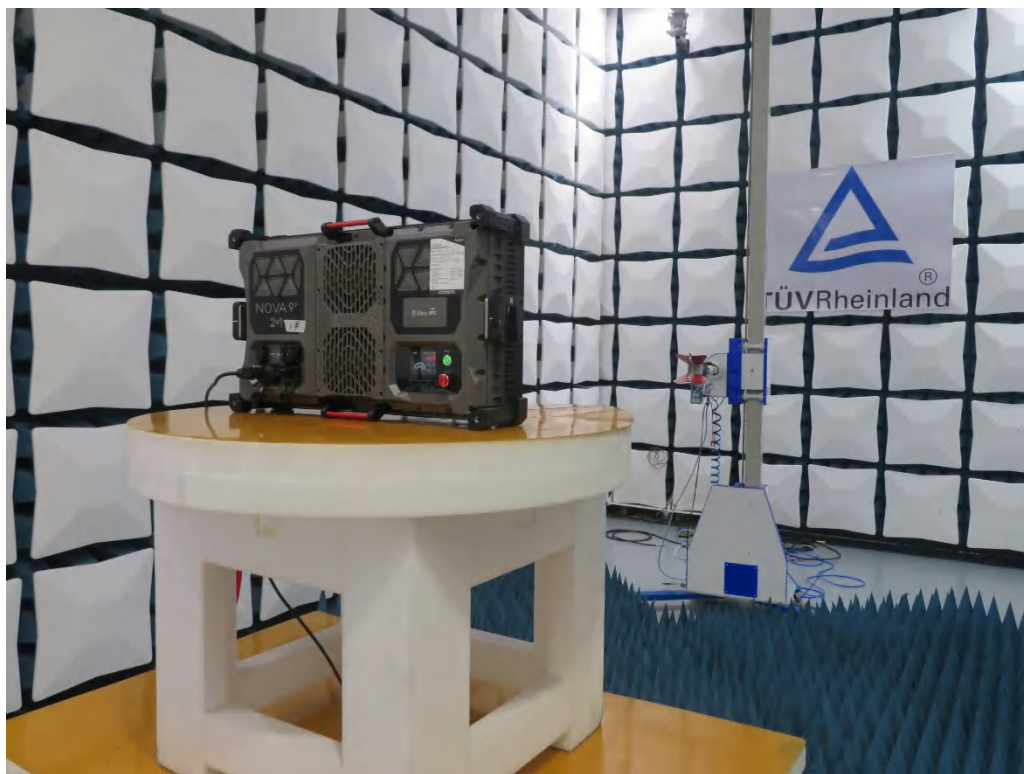
Appendix B: Photographs of the Test Set-Up

APPENDIX B: PHOTOGRAPHS OF THE TEST SET-UP	1
PHOTOGRAPH 1: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, BELOW 1GHZ.....	2
PHOTOGRAPH 2: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, ABOVE 1GHZ	2
PHOTOGRAPH 3: SET-UP PHOTO FOR CONDUCTED EMISSION ON AC MAINS	3

Photograph 1: Set-up photo for Radiated Spurious Emission, Below 1GHz



Photograph 2: Set-up photo for Radiated Spurious Emission, Above 1GHz



Photograph 3: Set-up photo for Conducted Emission on AC Mains

