FCC & IC TEST REPORT
for
GODOX Photo Equipment Co.,Ltd.

Pioneering TTL Li-ion Camera Flash
Model No. : V350S, V350F, V350O, V350N, V350C, V350P

Prepared for	:	GODOX Photo Equipment Co.,Ltd.
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Prepared by	:	Shenzhen Accurate Technology Co., Ltd.
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Report No.	:	ATE20180386
Date of Test	:	March 13-March 16, 2018
Date of Report	:	March 20, 2018

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Test Report

Applicant	:	GODOX Photo Equipment Co.,Ltd.
Manufacturer	:	GODOX Photo Equipment Co.,Ltd.
Product	:	Pioneering TTL Li-ion Camera Flash
Model No.	:	V350S, V350F, V350O, V350N, V350C, V350P
Trade name	:	Godox

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B
ICES-003 Issue 6
ANSI C63.4: 2014

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

Date of Test : March 13-March 16, 2018
Date of Report : March 20, 2018

Prepared by : (Sta Yang, Engineer)

Approved & Authorized Signer : (Sean Liu, Manager)

1. TEST RESULTS SUMMARY

Test Items	Test Standard	Test Results
Power Line Conducted Emission	FCC Part 15 Subpart B ICES-003	Pass
Radiated Emission	FCC Part 15 Subpart B ICES-003	Pass

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Product	:	Pioneering TTL Li-ion Camera Flash
Model No.	:	V350S, V350F, V350O, V350N, V350C, V350P
Rating	:	DC 7.2V (Powered by Lithium battery)
Trade Name	:	Godox
Remark(s)	:	The EUT highest operating frequency provided by Manufacturer is 2.438GHz, the radiated emission measurement shall be made up to 12.75 GHz.
Applicant	:	GODOX Photo Equipment Co.,Ltd.
Address	:	19th Floor, Room 1902, Building Jinshan, 5033 Shennan East Road, Luohu District, Shenzhen 518001, China
Manufacturer	:	GODOX Photo Equipment Co.,Ltd.
Address	:	19th Floor, Room 1902, Building Jinshan, 5033 Shennan East Road, Luohu District, Shenzhen 518001, China
Date of sample receiver	:	March 10, 2018
Date of Test	:	March 13-March 16, 2018

2.2.Test mode description

Test mode : A1. Connect PC, flash work.
A2. Connect flash, flash work.
A3. Transfer data

2.3.Accessory and Auxiliary Equipment

Notebook PC:	Manufacturer: Lenovo M/N: ThinkPad X240 S/N:n.a
Digital Camera:	Manufacturer: Sony M/N: SAL-A58 S/N:3703258

2.4.Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications Commission (FCC)
The Designation Number is CN1189
The Registration Number is 708358

Listed by Innovation, Science and Economic Development Canada (ISEDC)
The Registration Number is 5077A-2

Accredited by China National Accreditation Service for Conformity Assessment (CNAS)
The Registration Number is CNAS L3193

Accredited by American Association for Laboratory Accreditation (A2LA)
The Certificate Number is 4297.01

Name of Firm : Shenzhen Accurate Technology Co., Ltd.
Site Location : 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

2.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Power Disturbance Expanded Uncertainty	=	2.92 dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. The Equipment Used to Conducted Disturbance Measurement

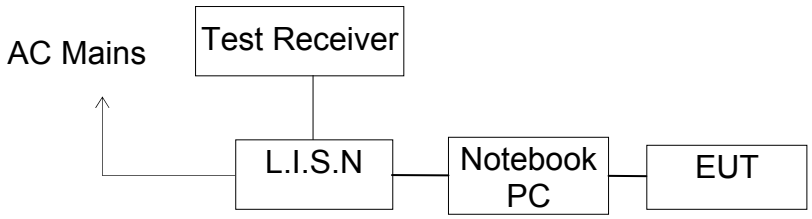
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCS30	100307	Jan.06, 2018	1 Year
2.	Test Receiver	Rohde & Schwarz	ESPI3	100396/003	Jan.06, 2018	1 Year
3.	Test Receiver	Rohde & Schwarz	ESPI3	101526/003	Jan.06, 2018	1 Year
4.	L.I.S.N.	Schwarzbeck	NLSK8126	8126431	Jan.06, 2018	1 Year
5.	L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100305	Jan.06, 2018	1 Year
6.	L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	Jan.06, 2018	1 Year
7.	L.I.S.N.	Rohde & Schwarz	ESH3-Z6	100132	Jan.06, 2018	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100305	Jan.06, 2018	1 Year
9.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100312	Jan.06, 2018	1 Year
10.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	Jan.06, 2018	1 Year
11.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283936	Jan.06, 2018	1 Year
12.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	Jan.06, 2018	1 Year
13.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200506474	Jan.06, 2018	1 Year
14.	VOLTAGE PROBE	Schwarzbeck	TK9416	N/A	Jan.06, 2018	1 Year
15.	RF CURRENT PROBE	Rohde & Schwarz	EZ-17	100048	Jan.06, 2018	1 Year
16.	8-Wire Impedance Stabilisation Network	Schwarzbeck	CAT5 8158	8158-0035	Jan.06, 2018	1 Year
17.	RF Coaxial Cable	SUHNER	N-2m	No.2	Jan.06, 2018	1 Year
18.	RF Coaxial Cable	SUHNER	N-2m	No.3	Jan.06, 2018	1 Year
19.	RF Coaxial Cable	SUHNER	N-2m	No.14	Jan.06, 2018	1 Year

3.2. The Equipment Used to Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan.06, 2018	1 Year
2.	Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	Jan.06, 2018	1 Year
3.	Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan.06, 2018	1 Year
4.	Test Receiver	Rohde& Schwarz	ESPI	100396/003	Jan.06, 2018	1 Year
5.	Test Receiver	Rohde& Schwarz	ESPI	101526/003	Jan.06, 2018	1 Year
6.	Test Receiver	Rohde& Schwarz	ESR	101817	Jan.06, 2018	1 Year
7.	Bilog Antenna	Schwarzbeck	VULB9163	9163-194	Jan.06, 2018	1 Year
8.	Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan.06, 2018	1 Year
9.	Log.-Per.Antenna	Schwarzbeck	VUSLP 9111B	9111B-074	Jan.06, 2018	1 Year
10.	Biconical Broad Band Antenna	Schwarzbeck	VHBB 9124+BBA 9106	9124-617	Jan.06, 2018	1 Year
11.	Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan.06, 2018	1 Year
12.	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan.06, 2018	1 Year
13.	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan.06, 2018	1 Year
14.	Vertical Active Monopole Antenna	Schwarzbeck	VAMP 9243	9243-370	Jan.06, 2018	1 Year
15.	RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	Jan.06, 2018	1 Year
16.	Pre-Amplifier	Agilent	8447D	294A10619	Jan.06, 2018	1 Year
17.	Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	Jan.06, 2018	1 Year
18.	50 Coaxial Switch	Anritsu Corp	MP59B	6200237248	Jan.06, 2018	1 Year
19.	50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	Jan.06, 2018	1 Year
20.	RF Coaxial Cable	Schwarzbeck	N-5m	No.1	Jan.06, 2018	1 Year
21.	RF Coaxial Cable	Schwarzbeck	N-1m	No.6	Jan.06, 2018	1 Year
22.	RF Coaxial Cable	Schwarzbeck	N-1m	No.7	Jan.06, 2018	1 Year
23.	RF Coaxial Cable	SUHNER	N-3m	No.8	Jan.06, 2018	1 Year
24.	RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	Jan.06, 2018	1 Year
25.	RF Coaxial Cable	SUHNER	N-6m	No.10	Jan.06, 2018	1 Year
26.	RF Coaxial Cable	RESENBERGER	N-12m	No.11	Jan.06, 2018	1 Year
27.	RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	Jan.06, 2018	1 Year
28.	RF Coaxial Cable	SUHNER	N-2m	No.13	Jan.06, 2018	1 Year
29.	RF Coaxial Cable	SUHNER	N-0.5m	No.15	Jan.06, 2018	1 Year
30.	RF Coaxial Cable	SUHNER	N-2m	No.16	Jan.06, 2018	1 Year
31.	RF Coaxial Cable	RESENBERGER	N-6m	No.17	Jan.06, 2018	1 Year

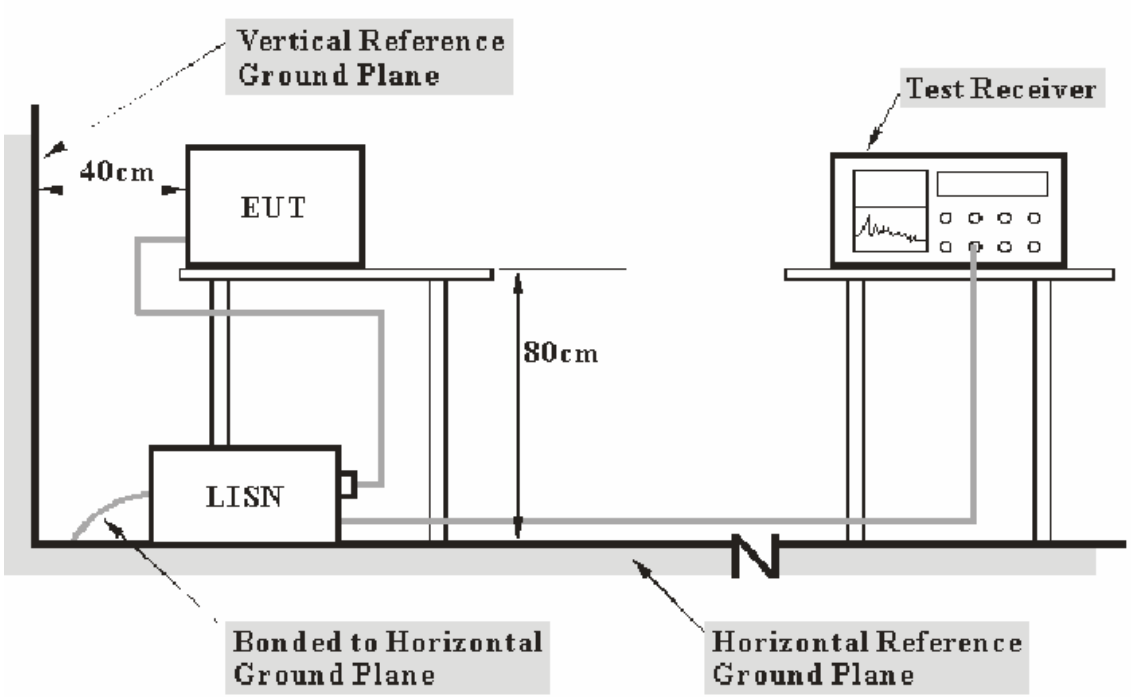
4. POWER LINE CONDUCTED MEASUREMENT

4.1.Block Diagram of Test Setup



(EUT: Pioneering TTL Li-ion Camera Flash)

4.2.Test System Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

4.3.Power Line Conducted Emission Measurement Limits

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0
NOTE1: The lower limit shall apply at the transition frequencies. NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.		

4.4.Configuration of EUT on Measurement

The equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

4.5.Operating Condition of EUT

4.5.1.Setup the EUT and simulator as shown as Section 4.1.

4.5.2.Turn on the power of all equipment.

4.5.3.Let the EUT work in test mode and measure it.

4.6.Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at ATC is +2.23dB.

4.7.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.
The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

4.8.Data Sample

Frequency (MHz)	Quasi Peak Level (dBμv)	Average Level (dBμv)	Transducer value (dB)	QuasiPeak Result (dBμv)	Average Result (dBμv)	Quasi Peak Limit (dBμv)	Average Limit (dBμv)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
X.XX	29.4	18.3	11.1	40.5	29.4	56.0	56.0	15.5	16.6	Pass

Transducer value = Insertion loss of LISN + Cable Loss
Result = Quasi-peak Level/Average Level + Transducer value
Limit = Limit stated in standard

Calculation Formula:

Margin = Limit – Reading level value – Transducer value

4.9.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode: Transfer data
Test Voltage: 120V/60Hz

MEASUREMENT RESULT: "TUV-0316-03_fin"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	54.20	10.5	66	11.8	QP	N	GND
2.760000	29.80	11.0	56	26.2	QP	N	GND
19.780000	24.70	11.4	60	35.3	QP	N	GND

MEASUREMENT RESULT: "TUV-0316-03_fin2"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	38.60	10.5	56	17.1	AV	N	GND
0.485000	35.80	10.7	46	10.5	AV	N	GND
2.210000	25.90	11.0	46	20.1	AV	N	GND

MEASUREMENT RESULT: "TUV-0316-04_fin"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	53.00	10.5	66	12.7	QP	L1	GND
1.590000	29.50	10.9	56	26.5	QP	L1	GND
16.510000	25.30	11.4	60	34.7	QP	L1	GND

MEASUREMENT RESULT: "TUV-0316-04_fin2"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.160000	38.00	10.5	56	17.5	AV	L1	GND
0.490000	36.00	10.7	46	10.2	AV	L1	GND
23.995000	24.30	11.5	50	25.7	AV	L1	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

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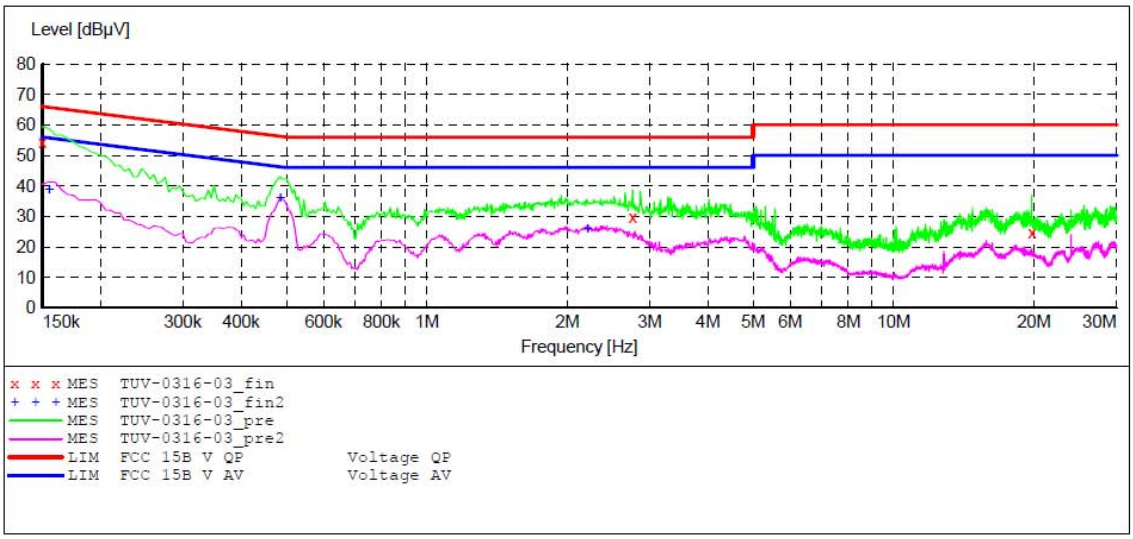
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Pioneering TTL Li-ion Camera Flash M/N:V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.
Operating Condition: Transfer data
Test Site: 1#Shielding Room
Operator: WADE
Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 3/16/2018 /

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

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0316-03_fin"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	54.20	10.5	66	11.8	QP	N	GND
2.760000	29.80	11.0	56	26.2	QP	N	GND
19.780000	24.70	11.4	60	35.3	QP	N	GND

MEASUREMENT RESULT: "TUV-0316-03_fin2"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	38.60	10.5	56	17.1	AV	N	GND
0.485000	35.80	10.7	46	10.5	AV	N	GND
2.210000	25.90	11.0	46	20.1	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

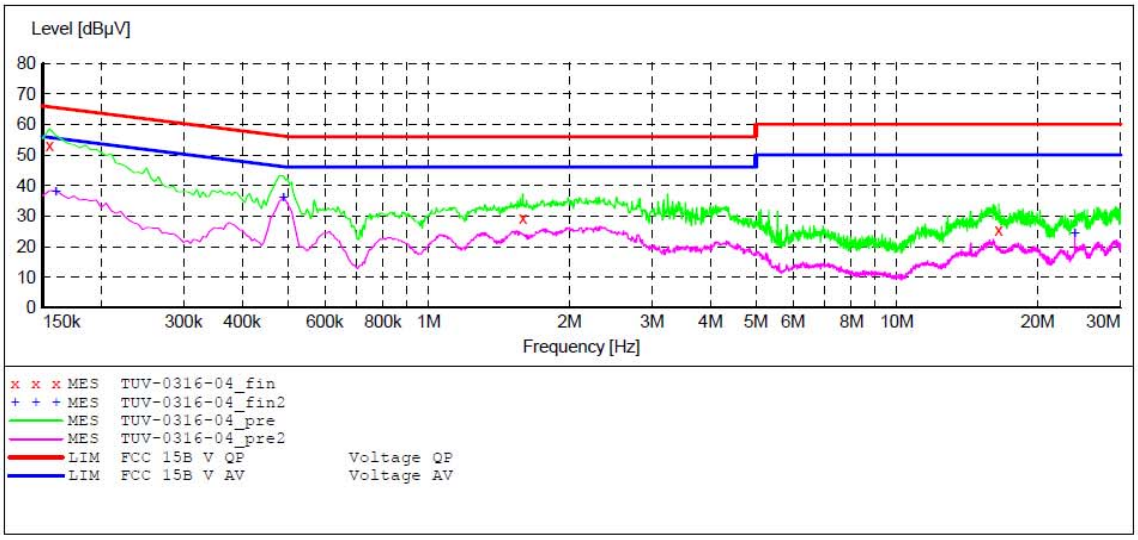
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Pioneering TTL Li-ion Camera Flash M/N:V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.
Operating Condition: Transfer data
Test Site: 1#Shielding Room
Operator: WADE
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 3/16/2018 /

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

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0316-04_fin"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	53.00	10.5	66	12.7	QP	L1	GND
1.590000	29.50	10.9	56	26.5	QP	L1	GND
16.510000	25.30	11.4	60	34.7	QP	L1	GND

MEASUREMENT RESULT: "TUV-0316-04_fin2"

3/16/2018

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.160000	38.00	10.5	56	17.5	AV	L1	GND
0.490000	36.00	10.7	46	10.2	AV	L1	GND
23.995000	24.30	11.5	50	25.7	AV	L1	GND

5. RADIATED EMISSION MEASUREMENT

5.1.Block Diagram of Test

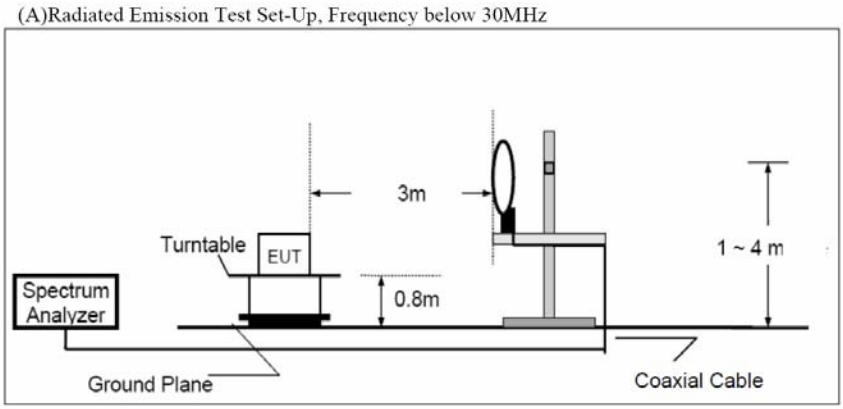
5.1.1.Block diagram of connection between the EUT and simulators

Notebook PC	EUT	A3 mode
Camera	EUT	A1 & A2 Mode

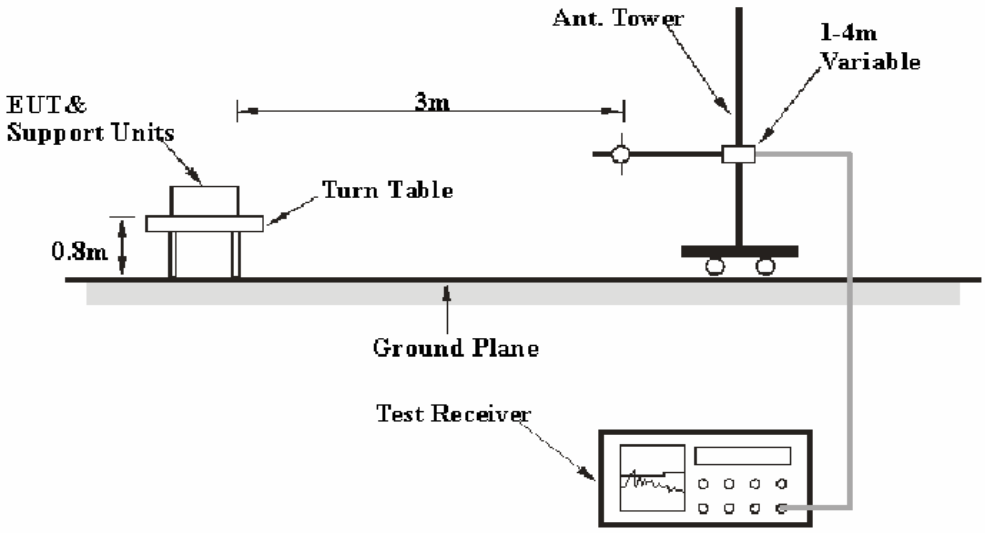
(EUT: Pioneering TTL Li-ion Camera Flash)

5.1.2.Block diagram of test setup (In chamber)

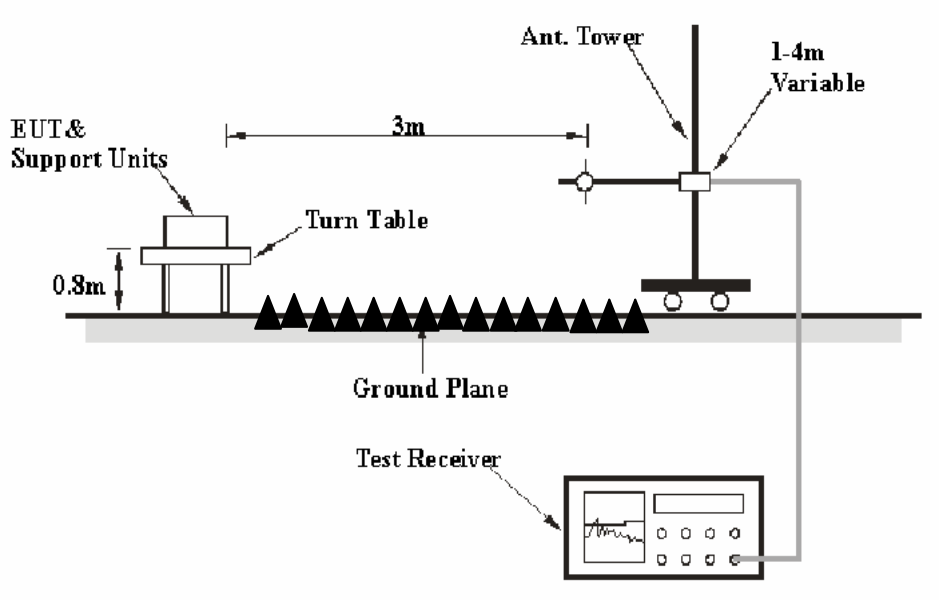
(A)Radiated Emission Test Set-Up, Frequency below 30MHz



Below 1GHz:



Above 1GHz:



5.2.Radiated Emission Limit (Class B)

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency MHz	Distance Meters	Field Strengths Limit	
		μV/m	dB(μV/m)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0
Remark: (1) Emission level dB(μV) = 20 log Emission level μV/m. (2) The smaller limit shall apply at the cross point between two frequency bands. (3) Distance is the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.			

5.3.Manufacturer

The following equipments are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.Pioneering TTL Li-ion Camera Flash (EUT)

Model Number: V350S
Manufacturer: GODOX Photo Equipment Co.,Ltd.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in test mode and measure it.

5.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120kHz.

The frequency range from 9kHz to 12750MHz is checked.

Note: The EUT highest operating frequency provided by Manufacturer is 2438MHz, the radiated emission measurement shall be made up to 12.75GHz.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measure-ment range (MHz)
Below 1.705	30.
1.705–108	1000.
108–500	2000.
500–1000	5000.
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

5.6.Data Sample

Frequency (MHz)	Reading (dBμv)	Factor (dB/m)	Result (dBμv/m)	Limit (dBμv/m)	Margin (dB)	Remark
X.XX	49.83	-22.03	27.80	43.50	-15.70	QP

Frequency(MHz) = Emission frequency in MHz
Reading(dBμv) = Uncorrected Analyzer/Receiver reading
Factor (dB/m)= Antenna factor + Cable Loss – Amplifier gain
Result(dBμv/m) = Reading + Factor
Limit (dBμv/m)= Limit stated in standard

Margin (dB) = Result(dBμv/m) - Limit (dBμv/m)

Calculation Formula:

Margin(dB) = Result (dBμv/m)–Limit(dBμv/m)
Result(dBμv/m)= Reading(dBμv)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

5.7.Radiated Emission Noise Measurement Result

PASS.

The frequency range from 9kHz to 12750MHz is investigated.

The radiation emissions from 9kHz-30MHz is not reported, because the test values lower than the limits of 20dB.

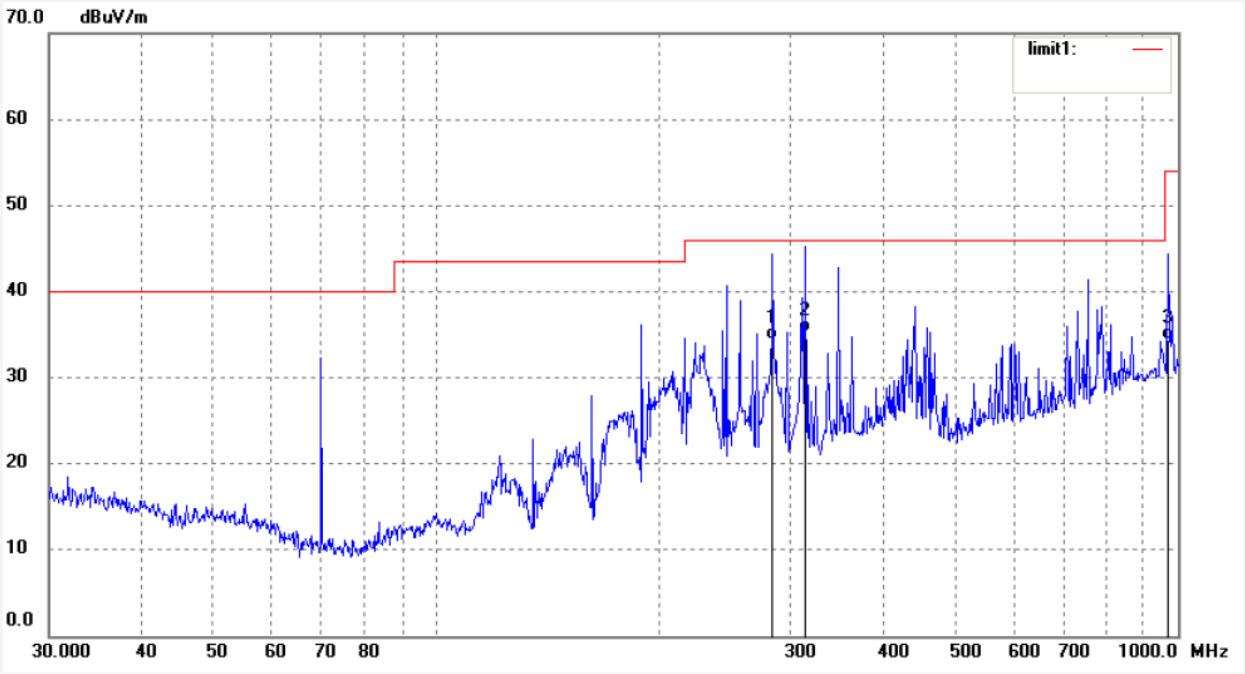
The spectral diagrams are attached as below.

Test mode: A1 (Below 1GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2018 #619	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.2V
Test item: Radiation Test	Date: 18/03/15/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Pioneering TTL Li-ion Camera Flash	Engineer Signature: WADE
Mode: A.1	Distance: 3m
Model: V350S	
Manufacturer: GODOX Photo Equipment Co., Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	283.9791	43.89	-9.45	34.44	46.00	-11.56	QP			
2	314.3765	43.82	-8.60	35.22	46.00	-10.78	QP			
3	968.9338	31.01	3.40	34.41	54.00	-19.59	QP			

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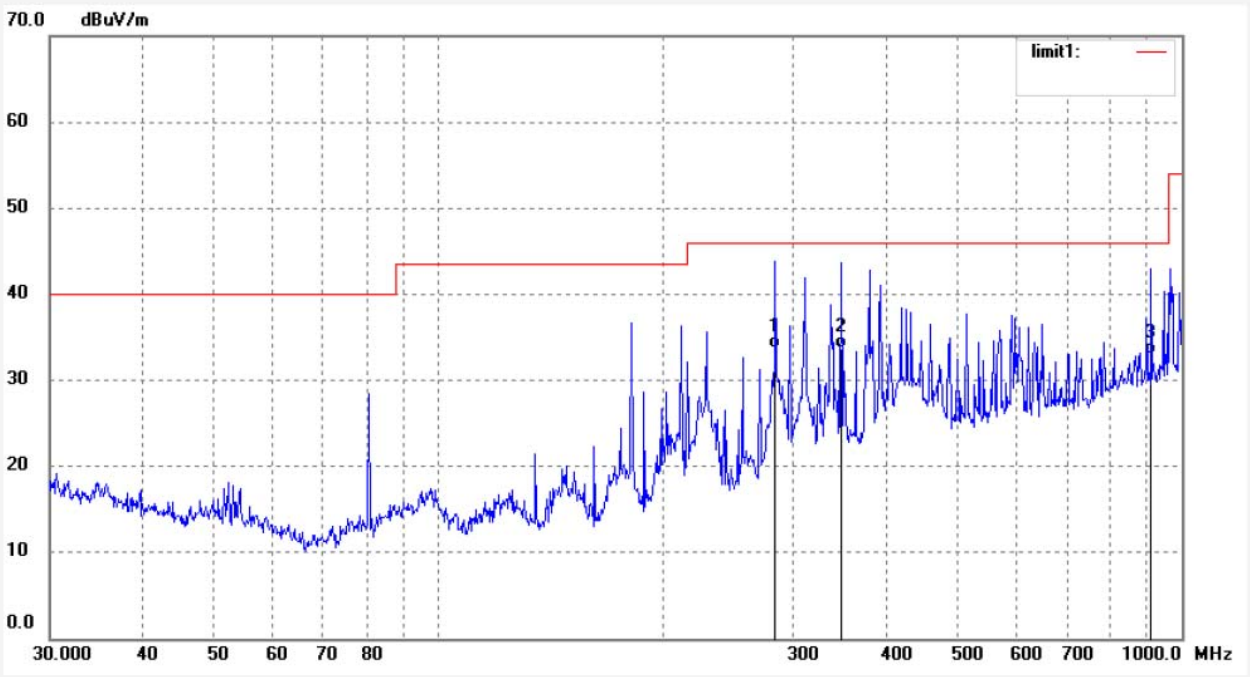
Job No.: LGW2018 #620
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.1
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Vertical
Power Source: DC 7.2V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	283.9791	43.22	-9.45	33.77	46.00	-12.23	QP			
2	348.0274	41.15	-7.47	33.68	46.00	-12.32	QP			
3	909.6666	30.78	2.25	33.03	46.00	-12.97	QP			

Test mode: A2 (Below 1GHz)

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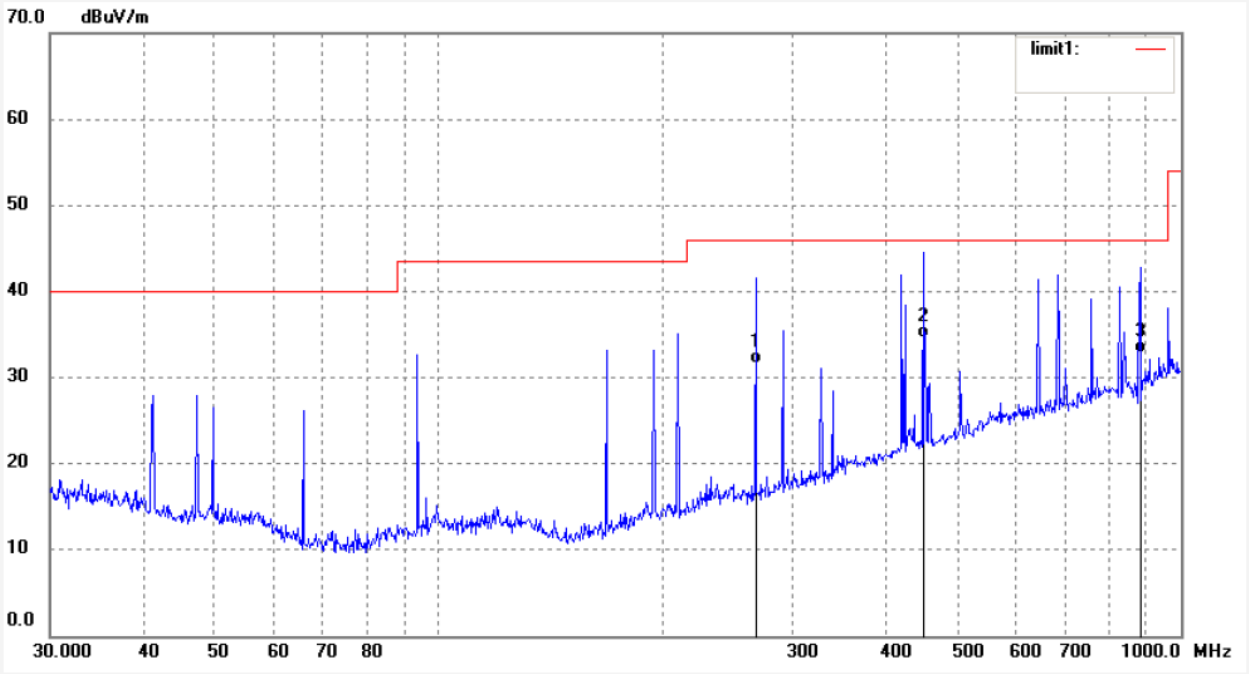
Job No.: LGW2018 #622
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.2
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Horizontal
Power Source: DC 7.2V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	267.5455	41.66	-10.06	31.60	46.00	-14.40	QP			
2	449.5557	39.84	-5.35	34.49	46.00	-11.51	QP			
3	881.4067	30.75	2.04	32.79	46.00	-13.21	QP			

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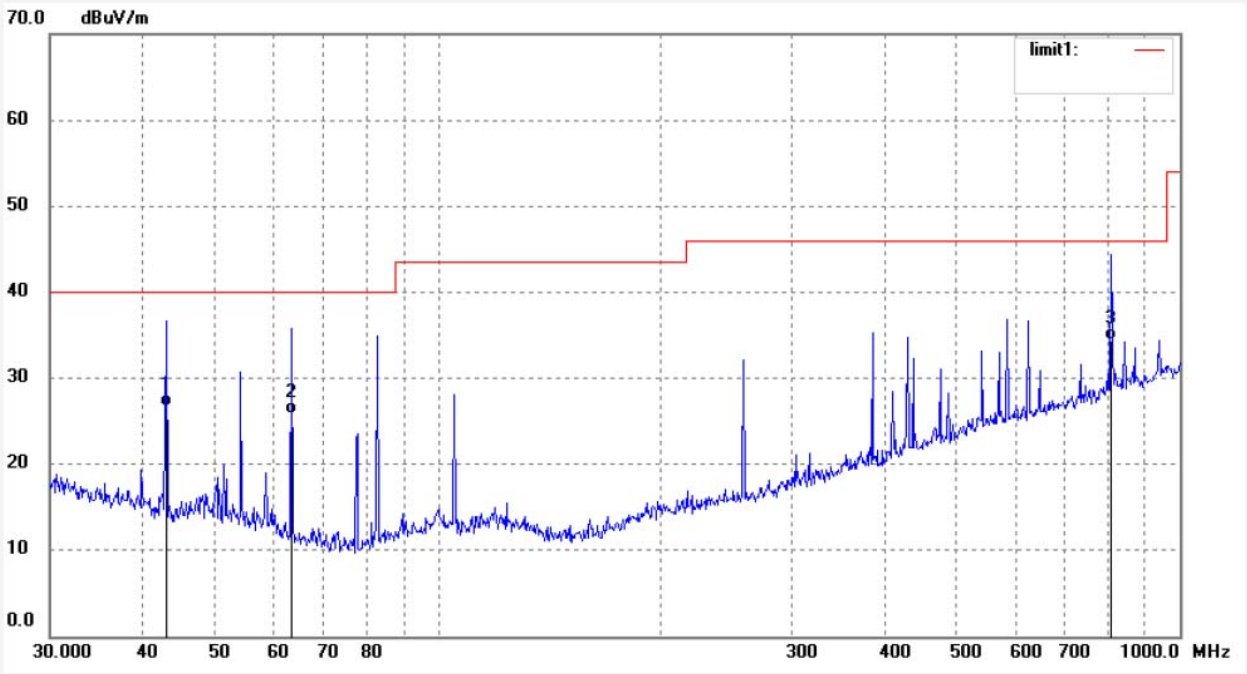
Job No.: LGW2018 #621
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.2
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Vertical
Power Source: DC 7.2V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	43.0504	38.94	-12.20	26.74	40.00	-13.26	QP			
2	63.5356	41.03	-15.18	25.85	40.00	-14.15	QP			
3	807.4290	33.39	0.95	34.34	46.00	-11.66	QP			

Test mode: A3 (Below 1GHz)

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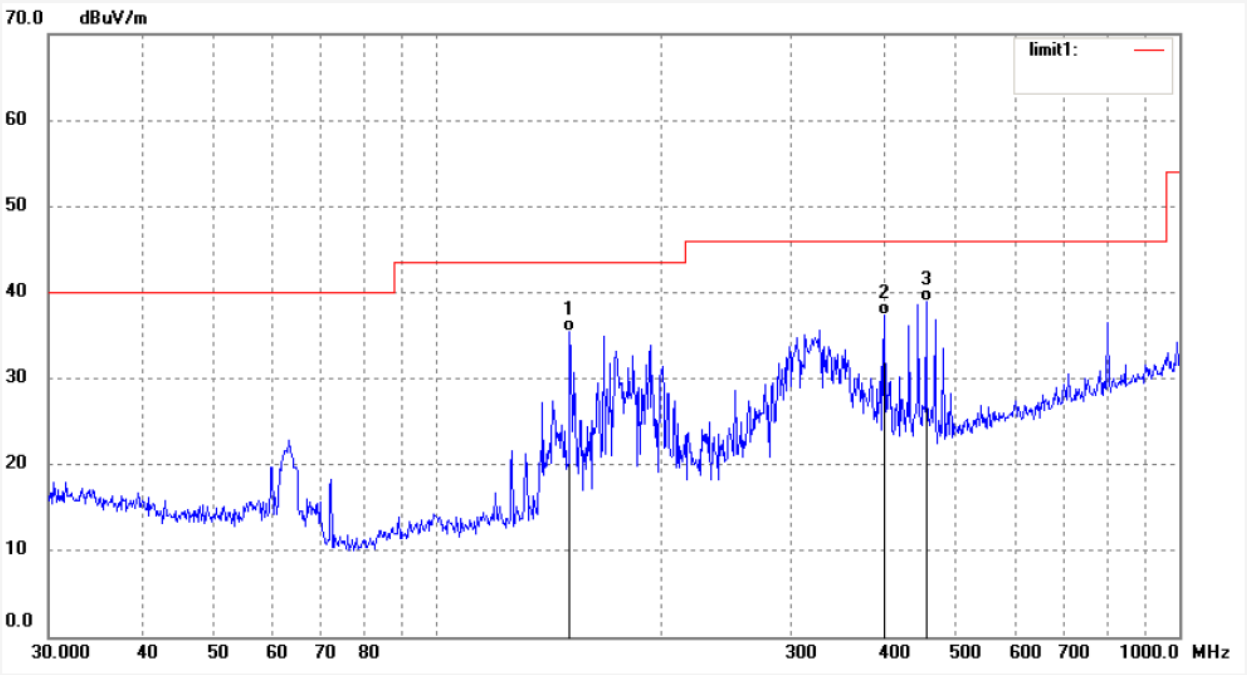
Job No.: LGW2018 #623
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.3
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Horizontal
Power Source: DC 5V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	151.0664	50.52	-15.02	35.50	43.50	-8.00	QP			
2	400.4318	43.83	-6.43	37.40	46.00	-8.60	QP			
3	455.9057	44.21	-5.25	38.96	46.00	-7.04	QP			

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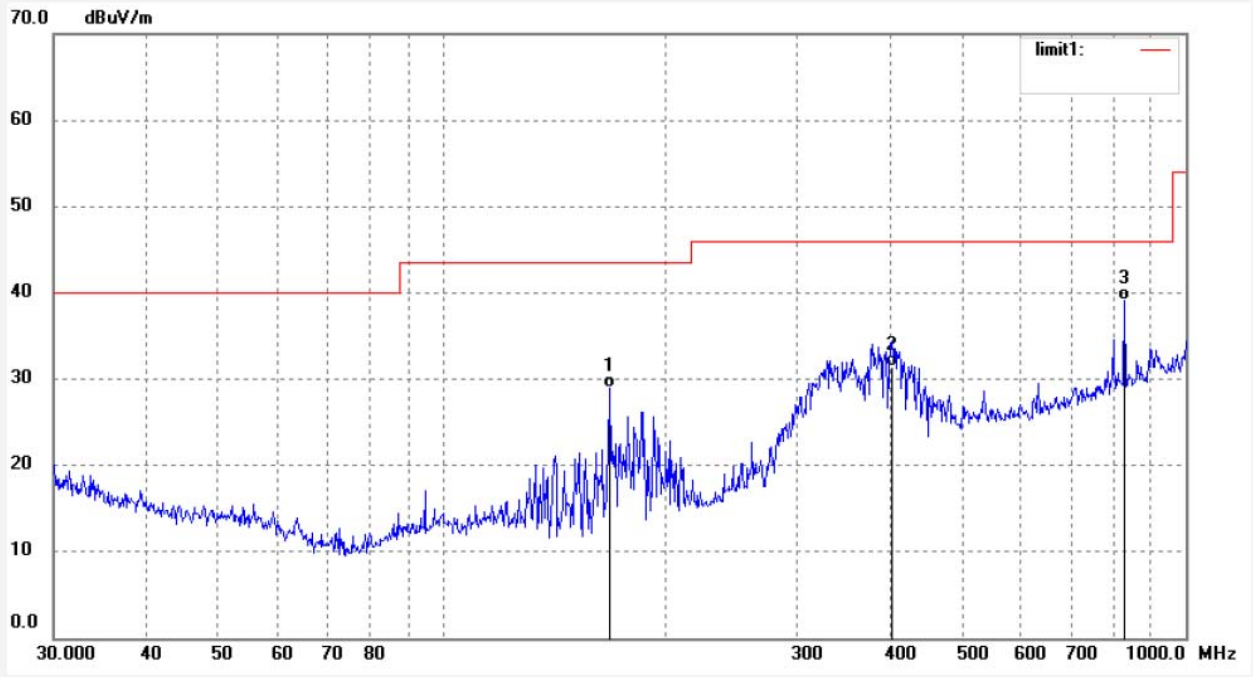
Job No.: LGW2018 #624
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.3
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Vertical
Power Source: DC 5V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	167.8242	42.81	-13.88	28.93	43.50	-14.57	QP			
2	403.2500	37.79	-6.38	31.41	46.00	-14.59	QP			
3	827.4933	37.86	1.30	39.16	46.00	-6.84	QP			

Test mode: A1 (Above 1GHz)

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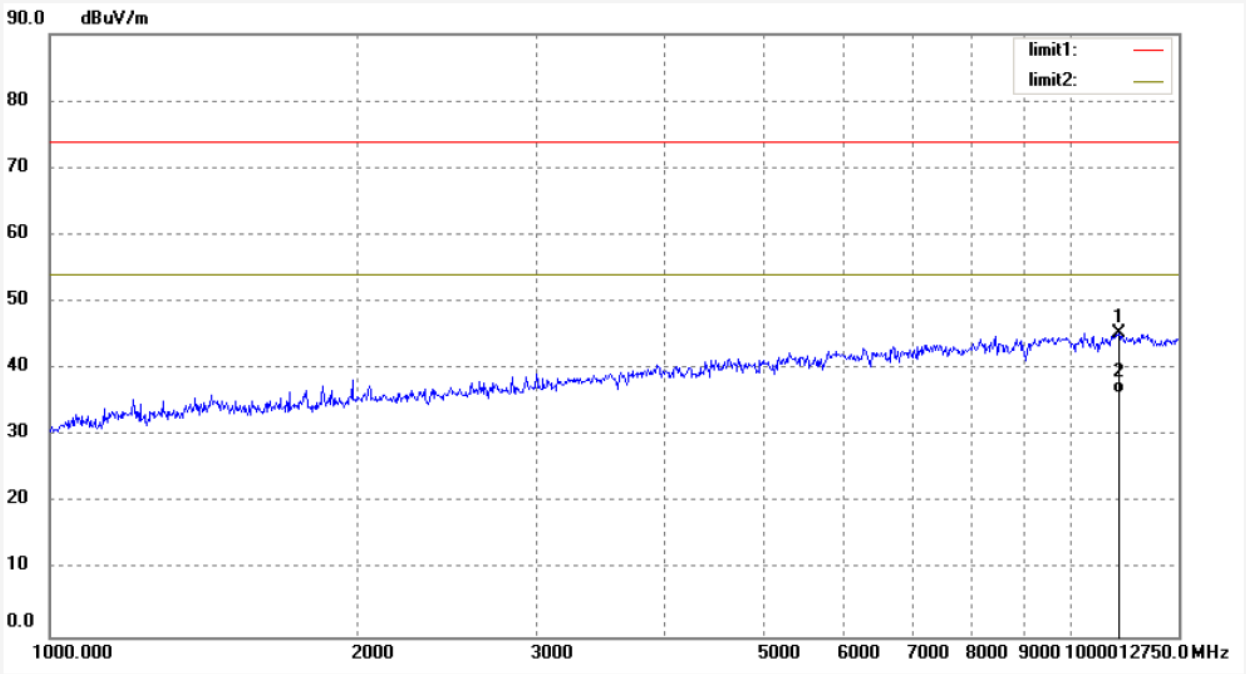
Job No.: LGW2018 #631	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.2V
Test item: Radiation Test	Date: 18/03/15/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Pioneering TTL Li-ion Camera Flash	Engineer Signature: WADE
Mode: A.1	Distance: 3m
Model: V350S	
Manufacturer: GODOX Photo Equipment Co., Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11140.845	27.53	17.80	45.33	74.00	-28.67	peak			
2	11140.845	18.47	17.80	36.27	54.00	-17.73	AVG			

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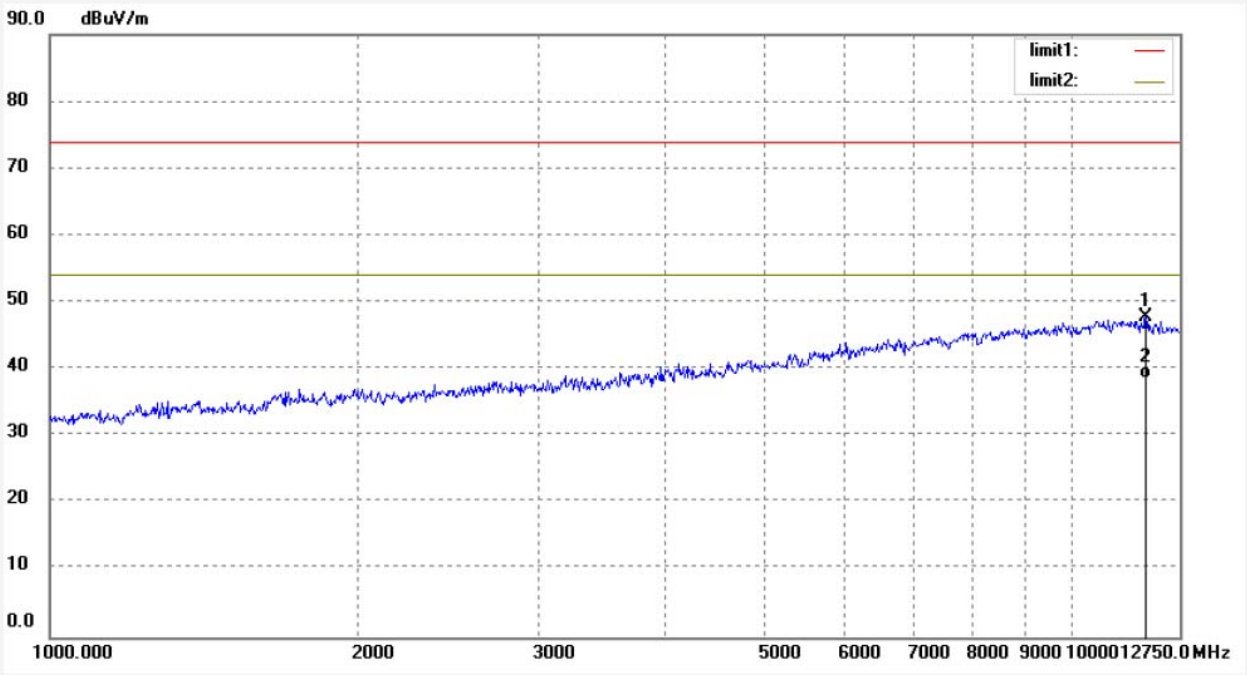
Job No.: LGW2018 #632	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.2V
Test item: Radiation Test	Date: 18/03/15/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Pioneering TTL Li-ion Camera Flash	Engineer Signature: WADE
Mode: A.1	Distance: 3m
Model: V350S	
Manufacturer: GODOX Photo Equipment Co., Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11812.583	25.59	22.17	47.76	74.00	-26.24	peak			
2	11812.583	16.51	22.17	38.68	54.00	-15.32	AVG			

Test mode: A2 (Above 1GHz)

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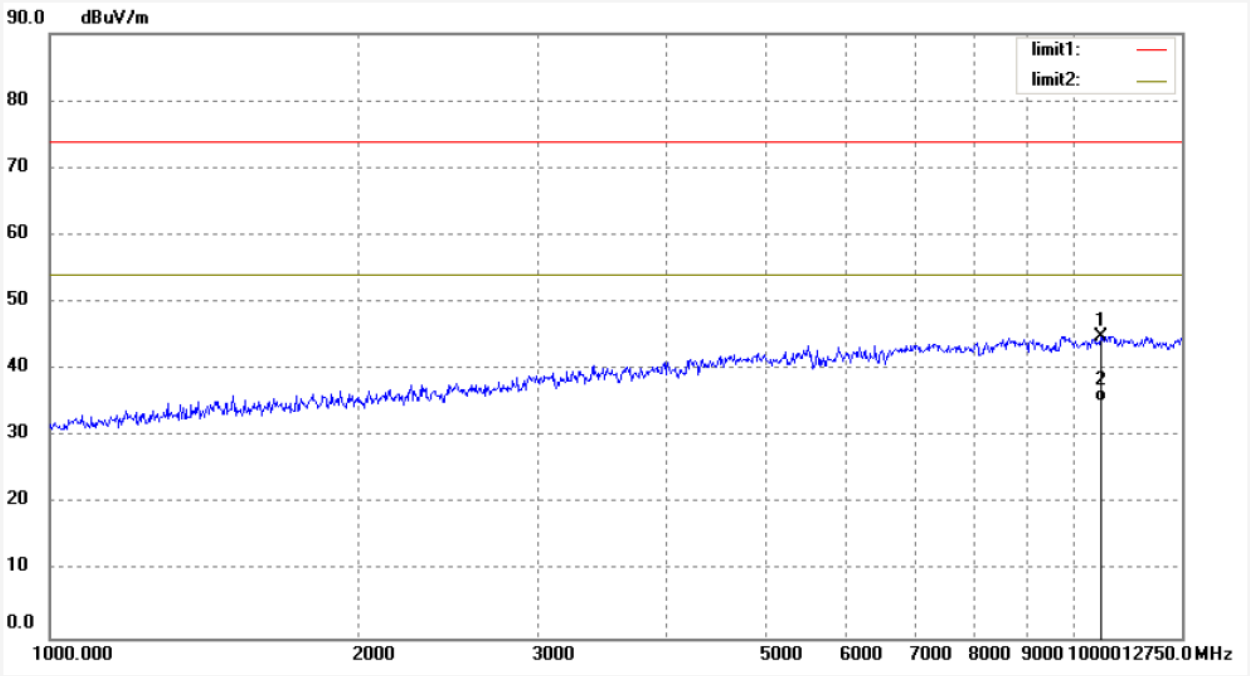
Job No.: LGW2018 #634	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.2V
Test item: Radiation Test	Date: 18/03/15/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Pioneering TTL Li-ion Camera Flash	Engineer Signature: WADE
Mode: A.2	Distance: 3m
Model: V350S	
Manufacturer: GODOX Photo Equipment Co., Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	10641.895	28.59	16.34	44.93	74.00	-29.07	peak			
2	10641.895	18.90	16.34	35.24	54.00	-18.76	AVG			

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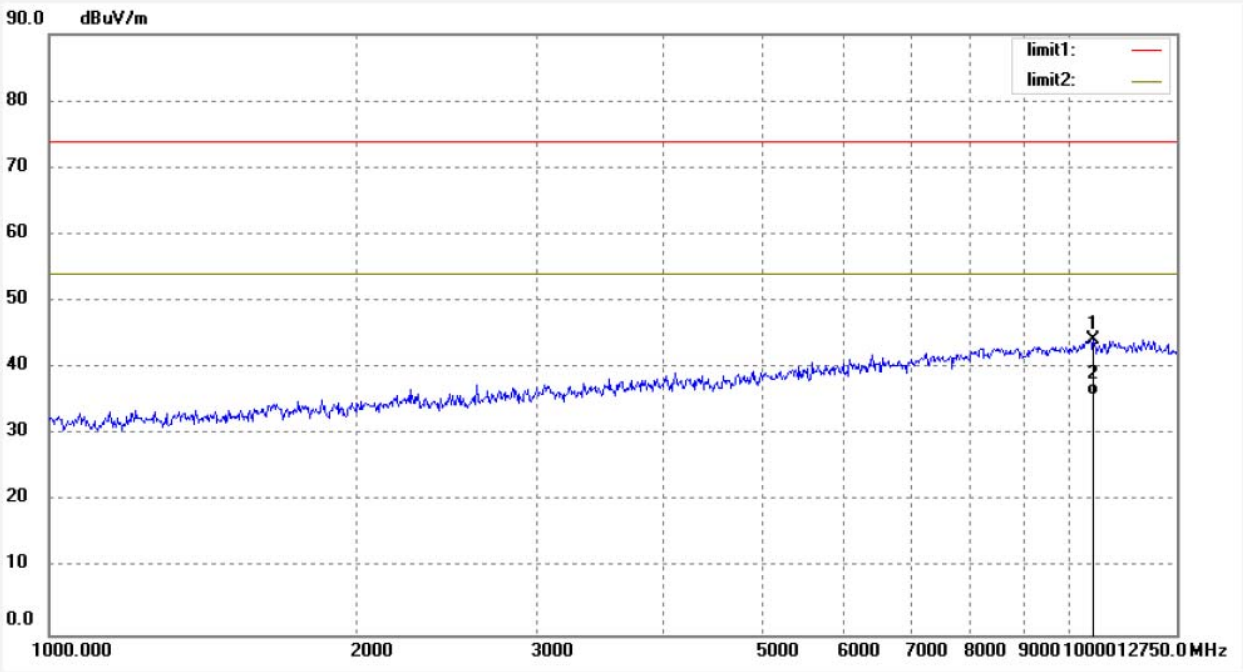
Job No.: LGW2018 #633
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.2
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Vertical
Power Source: DC 7.2V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	10560.936	27.81	16.30	44.11	74.00	-29.89	peak			
2	10560.936	19.54	16.30	35.84	54.00	-18.16	AVG			

Test mode: A3 (Above 1GHz)

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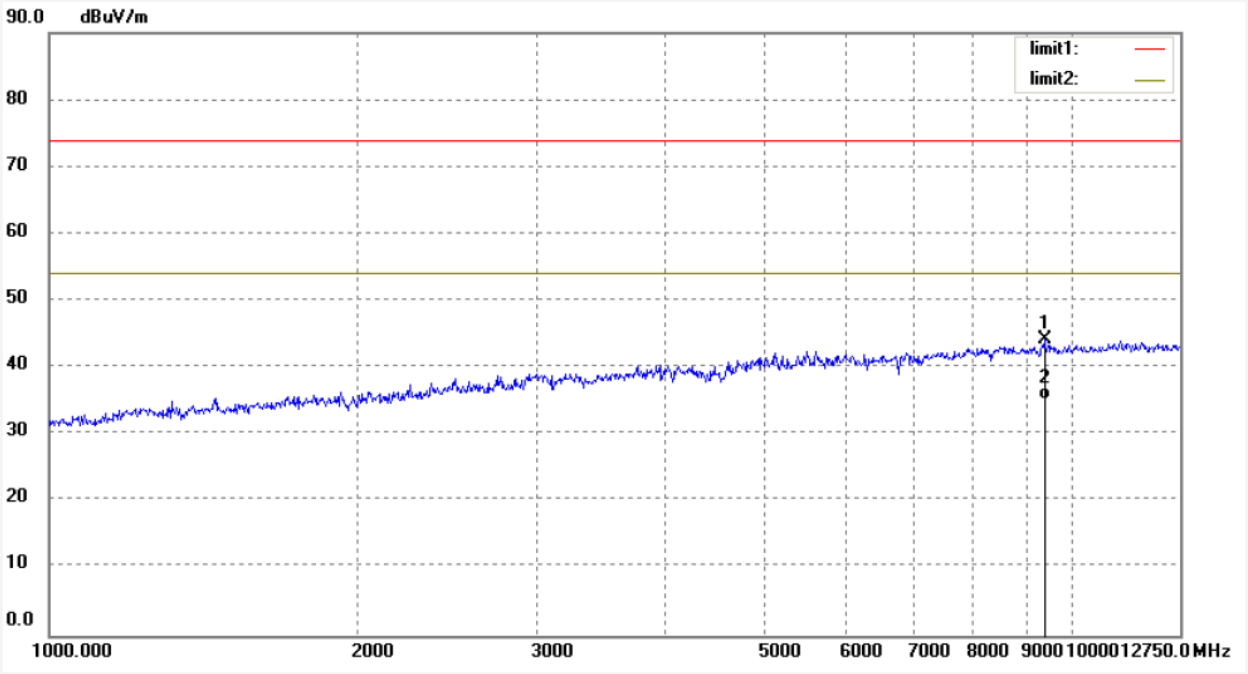
Job No.: LGW2018 #635	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 18/03/15/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Pioneering TTL Li-ion Camera Flash	Engineer Signature: WADE
Mode: A.3	Distance: 3m
Model: V350S	
Manufacturer: GODOX Photo Equipment Co., Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9393.966	27.18	16.94	44.12	74.00	-29.88	peak			
2	9393.966	18.31	16.94	35.25	54.00	-18.75	AVG			

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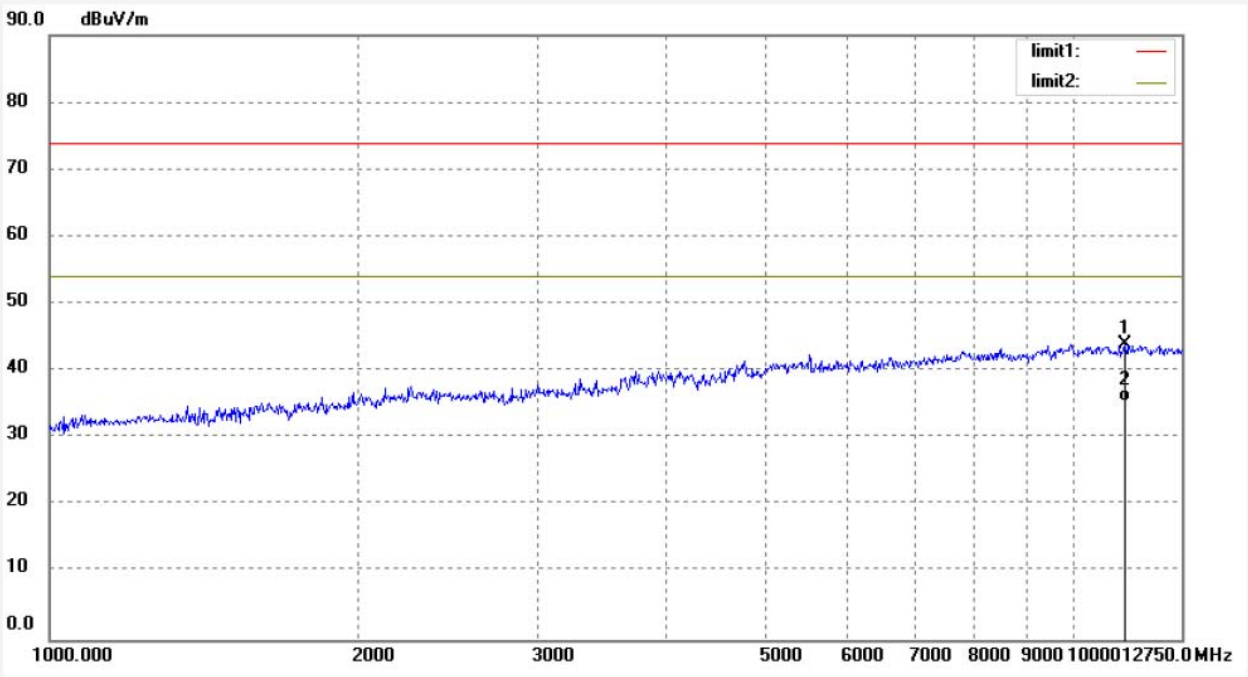
Job No.: LGW2018 #636
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Pioneering TTL Li-ion Camera Flash
Mode: A.3
Model: V350S
Manufacturer: GODOX Photo Equipment Co., Ltd.

Polarization: Vertical
Power Source: DC 5V
Date: 18/03/15/
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11226.249	25.60	18.32	43.92	74.00	-30.08	peak			
2	11226.249	17.02	18.32	35.34	54.00	-18.66	AVG			

******* End of Test Report *******