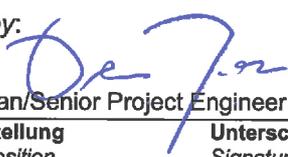


<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>50047661 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164065641</b>	<b>Seite 1 von 67</b> <i>Page 1 of 67</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	<b>N/A</b>	<b>Auftragsdatum:</b> <i>Order date:</i>	<b>22.06.2016</b>	
<b>Auftraggeber:</b> <i>Client:</i>	<b>SZ DJI TECHNOLOGY CO., LTD, 14th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan, Shenzhen, Guangdong, China</b>			
<b>Prüfgegenstand:</b> <i>Test item:</i>	<b>Focus Expansion Module</b>			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	<b>FTX158G (DJI)</b>			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	<b>FCC Certification</b>			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	<b>CFR47 FCC Part 15: Subpart C Section 15.249 CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB Publication 447498 D01 v06</b>			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	<b>12.06.2016</b>			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	<b>A000372416-005</b>			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	<b>13.06.2016 - 22.06.2016</b>			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	<b>Accurate Technology Co., Ltd. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory</b>			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	<b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	<b>Pass</b>			
<b>geprüft von / tested by:</b>			<b>kontrolliert von / reviewed by:</b>	
<b>29.06.2016</b>	<b>Owen Tian/Senior Project Engineer</b>		<b>29.06.2016</b>	<b>Winnie Hou/Technical Certifier</b>
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>
				<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b>				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		<b>Prüfmuster vollständig und unbeschädigt</b> <i>Test item complete and undamaged</i>		
<b>* Legende:</b>	<b>1 = sehr gut</b> P(ass) = entspricht o.g. Prüfgrundlage(n)	<b>2 = gut</b> F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	<b>3 = befriedigend</b> N/A = nicht anwendbar	<b>4 = ausreichend</b> N/T = nicht getestet
<b>Legend:</b>	<b>1 = very good</b> P(ass) = passed a.m. test specification(s)	<b>2 = good</b> F(ail) = failed a.m. test specification(s)	<b>3 = satisfactory</b> N/A = not applicable	<b>4 = sufficient</b> N/T = not tested
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <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>				

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## TEST SUMMARY

### **5.1.1 ANTENNA REQUIREMENT**

*RESULT: Pass*

### **5.1.2 20dB BANDWIDTH AND 99% BANDWIDTH**

*RESULT: Pass*

### **5.1.3 FUNDAMENTAL & HARMONICS RADIATED EMISSION**

*RESULT: Pass*

### **5.1.1 RADIATED EMISSIONS OUTSIDE OF THE BAND**

*RESULT: Pass*

### **6.1.1 ELECTROMAGNETIC FIELDS**

*RESULT: Pass*

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## 1. General Remarks

### 1.1 Complementary Materials

None.

## 2. Test Sites

### 2.1 Test Facilities

Accurate Technology Co., Ltd.

**(FCC Registration No.: 752051)**  
**(Test site Industry Canada No.: 5077A-2)**

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

Shenzhen Academy of Metrology and Quality Inspection (SMQ)

**(FCC Registration No.: 806614)**  
**(Test site Industry Canada No.: IC4174)**

NETC Building, No. 4 Tongfa Rd., Xili, Nanshan, Shenzhen, China

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

## 2.2 List of Test and Measurement Instruments

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

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
<b>Transmitter spurious emissions (ATC)</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Test Receiver	Rohde & Schwarz	ESCS30	100307	2017-01-09
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2017-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2017-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2017-01-09
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2017-01-09
50 Coaxial Switch	Anritsu Corp	MP59B	620050647 4	2017-01-09
RF Coaxial Cable	SUHNER	N-3m	No.8	2017-01-09
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2017-01-09
RF Coaxial Cable	SUHNER	N-6m	No.10	2017-01-09
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2017-01-09
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2017-01-09
<b>Radio Spectrum Test (ATC)</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2017-01-09
Signal Generator	Rohde & Schwarz	SMB100A	108362	2017-01-09
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2017-01-09
<b>Transmitter spurious emissions (SMQ) (for 26.5 - 40GHz)</b>				
EMI Receiver	Rohde & Schwarz	ESC13	SB9058/05	2017-05-02
EMI Receiver	Rohde & Schwarz	ESU40	SB8501/09	2017-05-14
Horn Antenna	Rohde & Schwarz	3160-10	SB8501/12	2017-05-14

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, 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

**Table 2: Measurement Uncertainty**

Parameter	Uncertainty
Radio Spectrum	< ± 0.60 dB
Radiated emission of transmitter, valid up to 26.5 GHz	< ± 4.42 dB
Conducted Emission	< ± 2.23 dB
Radiated Emission	< ± 4.42 dB

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

## 2.7 Status of Facility Used for Testing

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

### 3. General Product Information

#### 3.1 Product Function and Intended Use

The EUT is a focus expansion module, it operates at 5.8GHz ISM band.  
For details refer to the User Manual and Circuit Diagram.

#### 3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Focus Expansion Module
Type Designation	FTX158G
FCC ID	SS3-HG8001606
Operating Frequency	5738MHz ~ 5808MHz
Channel Frequency	5738, 5743, 5748, 5753, 5758, 5763, 5768, 5773, 5778, 5783, 5788, 5793, 5798, 5803, 5808MHz
Channel Bandwidth	2MHz
Channel Separation	5MHz
Extreme Temperature Range	-20~+55°C
Operation Voltage	DC 4.2V (via DJI focus remote)
Modulation	GFSK
Antenna Gain	2dBi

#### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On
  - 1. Transmitting
  - 2. Receiving
- B. Off

#### 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

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### 3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power 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

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.
DJI focus remote	DJI	FTX1

### 4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test for below 1GHz

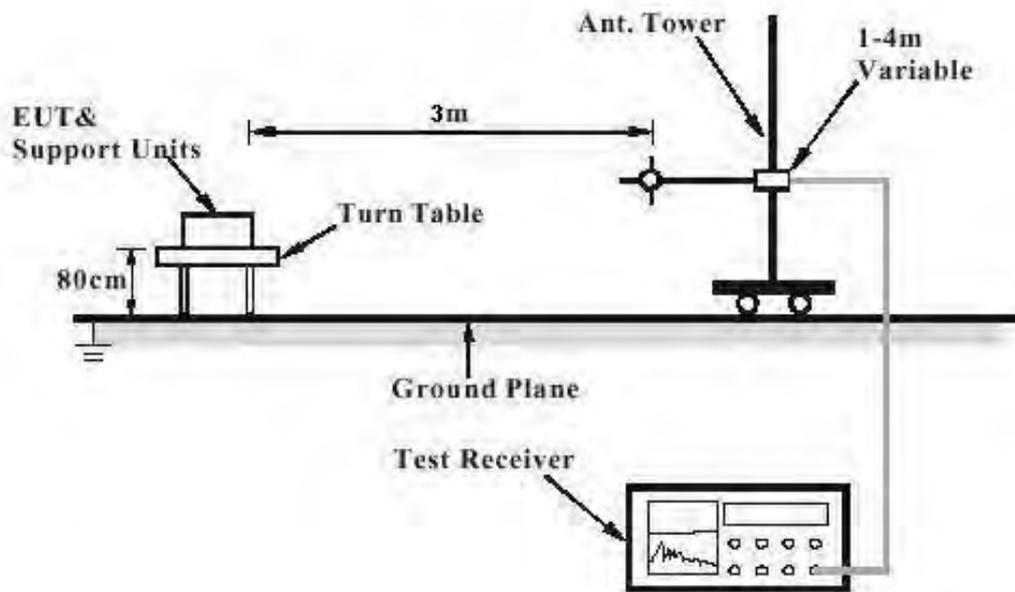
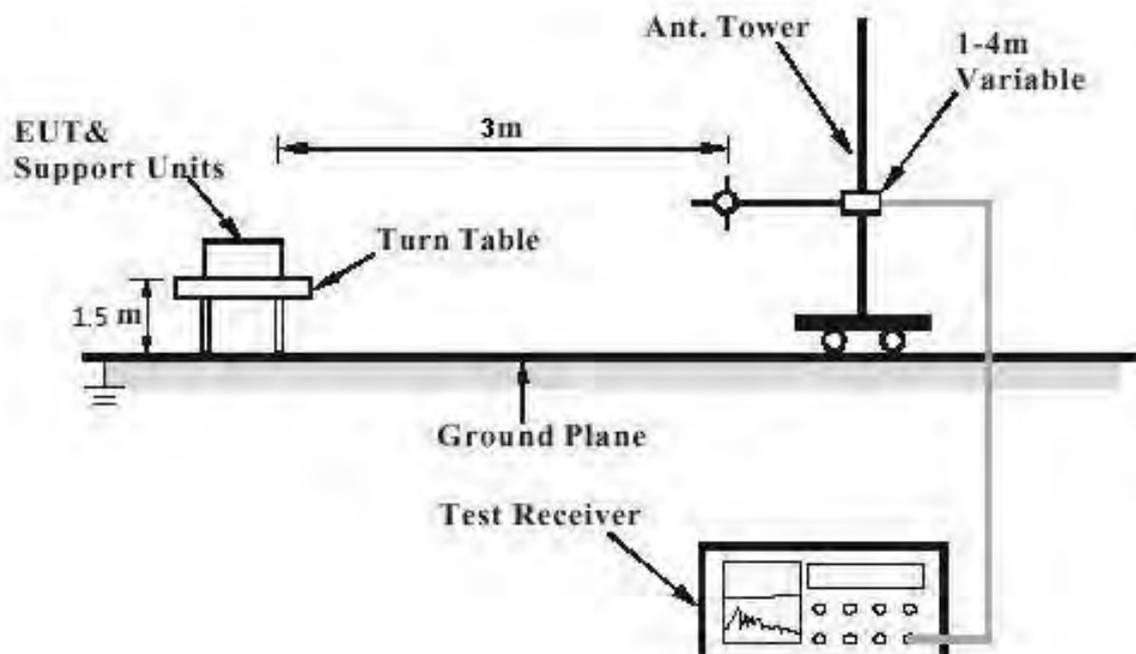
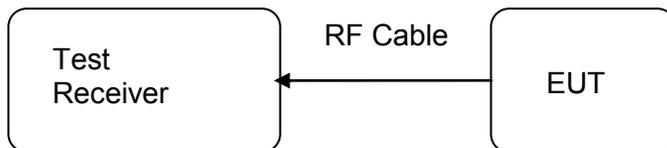


Diagram of Measurement Configuration for Radiation Test for above 1GHz



**Diagram of Measurement Equipment Configuration for Transmitter Measurement**



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Pass**

Test standard : Part 15.203  
Limit : the use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 2dBi, therefore the EUT is considered sufficient to comply with the provision.

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### 5.1.2 20dB Bandwidth and 99% Bandwidth

**RESULT:**
**Pass**

Date of testing : 2016-06-22  
 Test standard : FCC Part 15.215 (c)  
 Basic standard : ANSI C63.10: 2013  
 Kind of test site : Shielded room

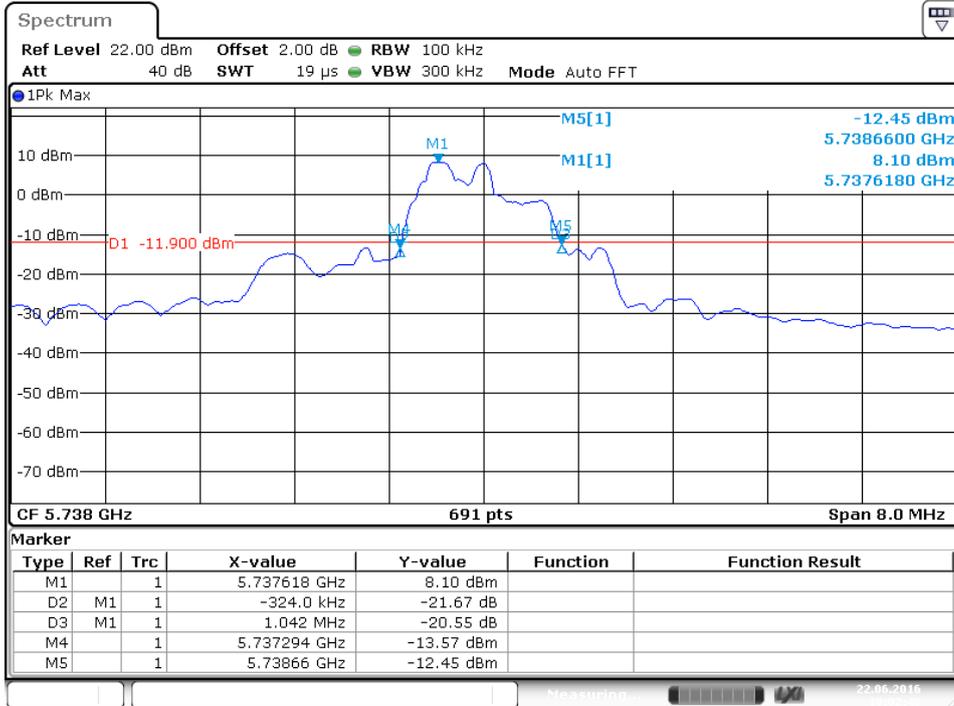
**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 21°C  
 Relative humidity : 60%  
 Atmospheric pressure : 101kPa

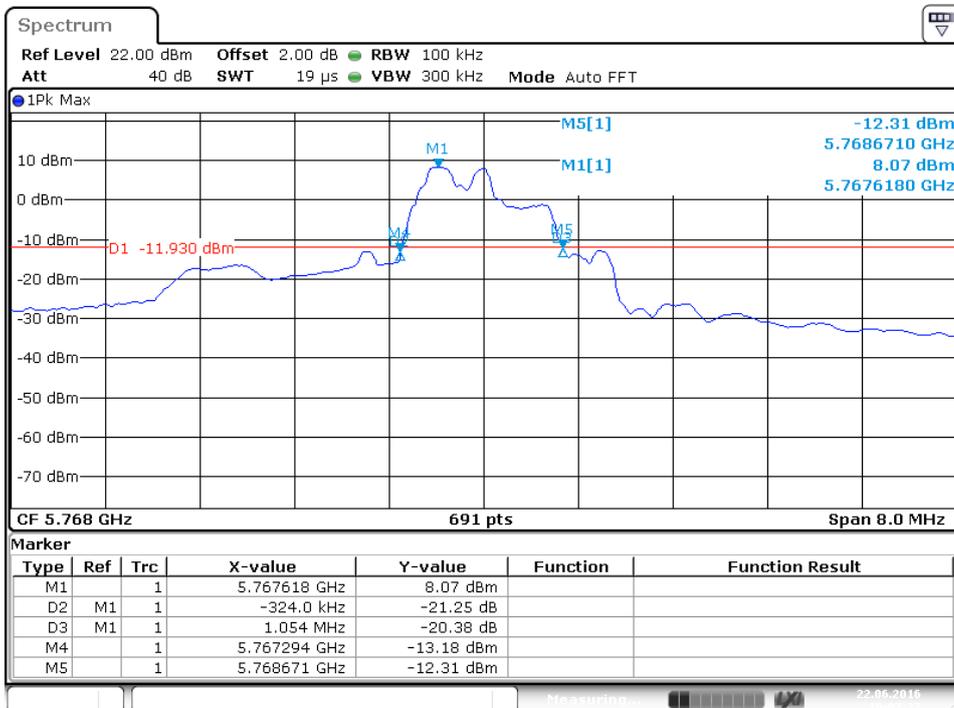
**Table 4: Test result of 20dB & 99% Bandwidth**

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	5738	1.366	1.922
Mid Channel	5768	1.378	2.223
High Channel	5808	1.355	2.975

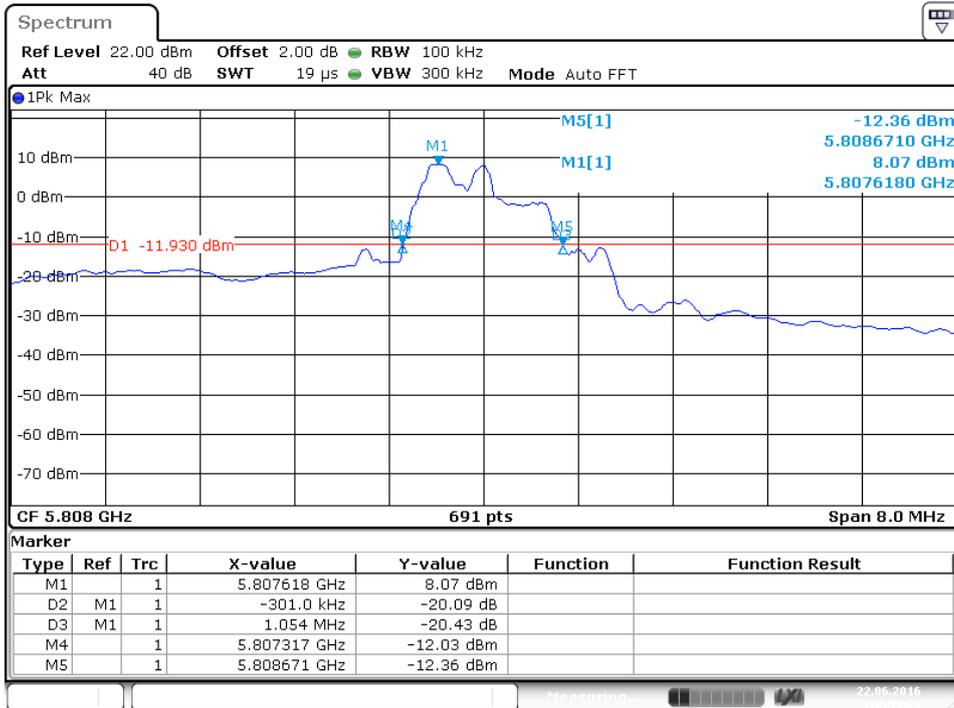
For details refer to following test plot.

**Test Plot of 20dB Bandwidth**


Date: 22.JUN.2016 10:02:48

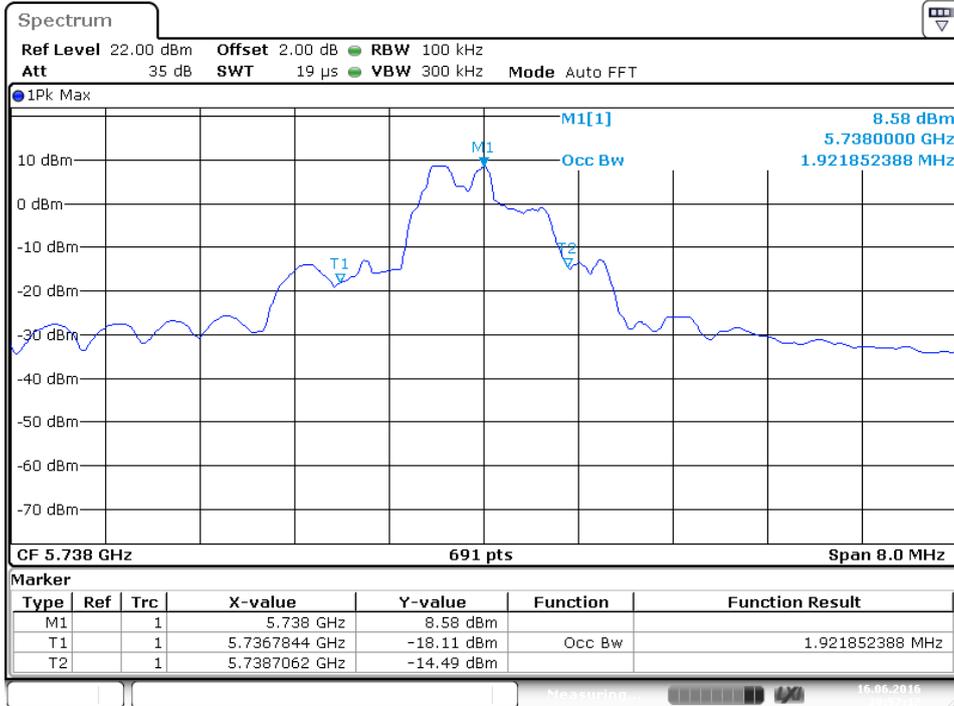


Date: 22.JUN.2016 10:07:27

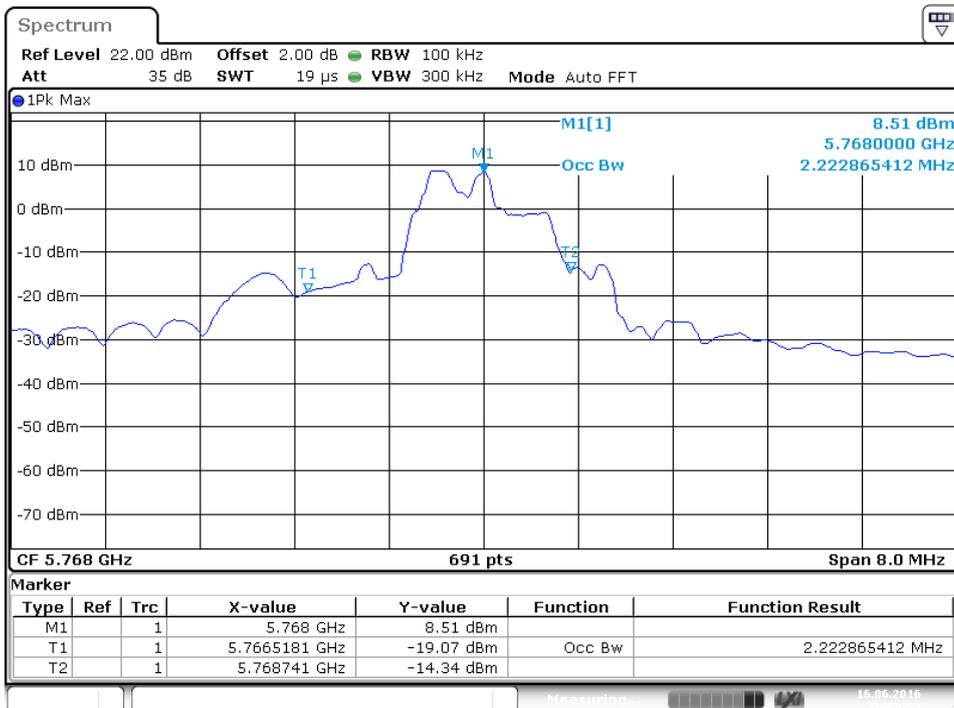


Date: 22.JUN.2016 10:05:01

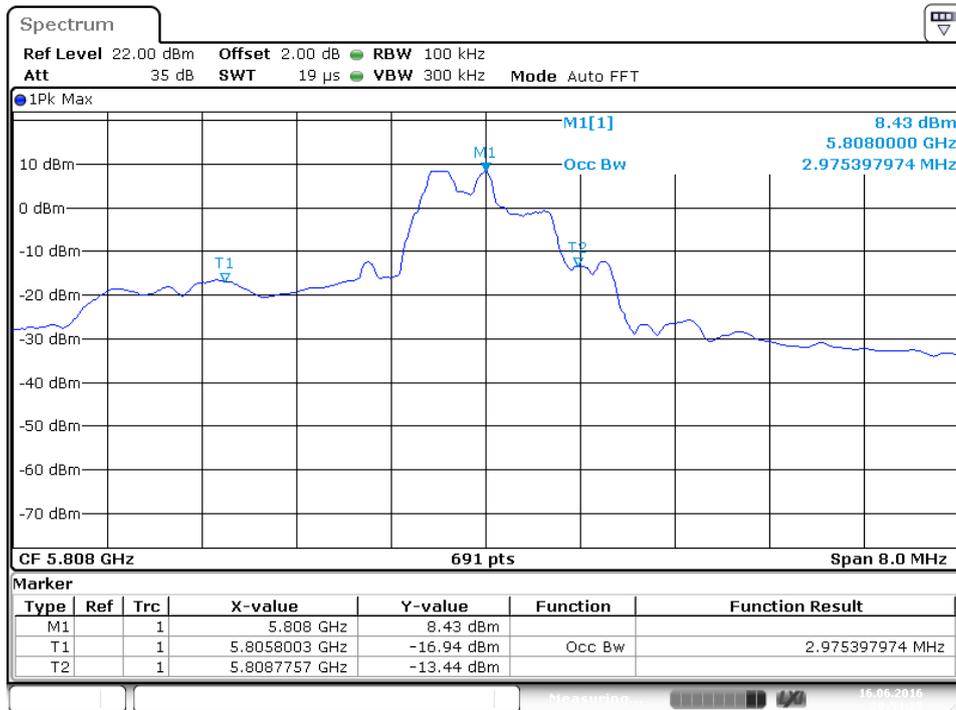
### Test Plot of 99% Bandwidth



Date: 16.JUN.2016 20:57:17



Date: 16.JUN.2016 20:55:51



Date: 16.JUN.2016 20:54:25

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### 5.1.3 Fundamental & Harmonics Radiated Emission

**RESULT:**
**Pass**

Date of testing : 2016-06-13  
 Test standard : FCC part 15.249(a)  
 Basic standard : ANSI C63.10: 2013  
 Limits : FCC part 15.249(a)  
 Kind of test site : 3m Semi-Anechoic Chamber & Anechoic Chamber

**Test setup**

Test channel : Low/ Middle/ High  
 Operation mode : A.1  
 Ambient temperature : 23°C  
 Relative humidity : 48%  
 Atmospheric pressure : 101kPa

**Table 5: Polarization of the measurement for the larger power level channel 5768MHz: Horizontal**

Test conditions		Fundamental Frequency		Harmonic Frequency	
		2441MHz		---	
T <sub>nom</sub> (25°C)	Unit	(dBμV/m)	(mV/m)	(dBμV/m)	(μV/m)
	Horizontal	89.85	31.081	---	---
	Vertical	89.46	29.717	---	---
Limit		94	50	54	500

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector; the final measurement for frequencies above 1000MHz is performed with Average detector.

The worst case was shown in above Table 5.

Disturbance other than those mentioned are small or not detectable.

For details refer to following test plot.


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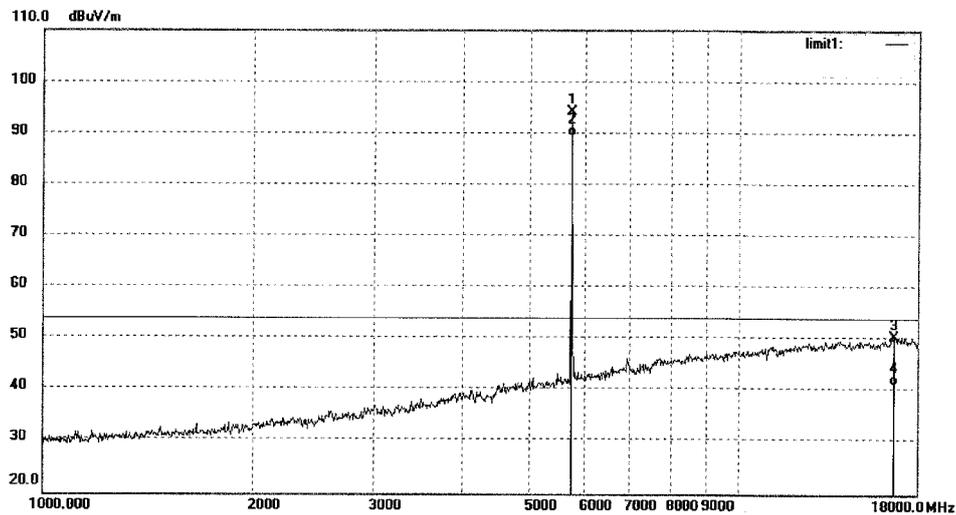
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3364	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5738.000	92.74	1.44	94.18	/	/	peak			
2	5738.000	87.96	1.44	89.40	/	/	AVG			
3	16648.693	9.68	40.72	50.40	74.00	-23.60	peak			
4	16648.693	0.58	40.72	41.30	54.00	-12.70	AVG			


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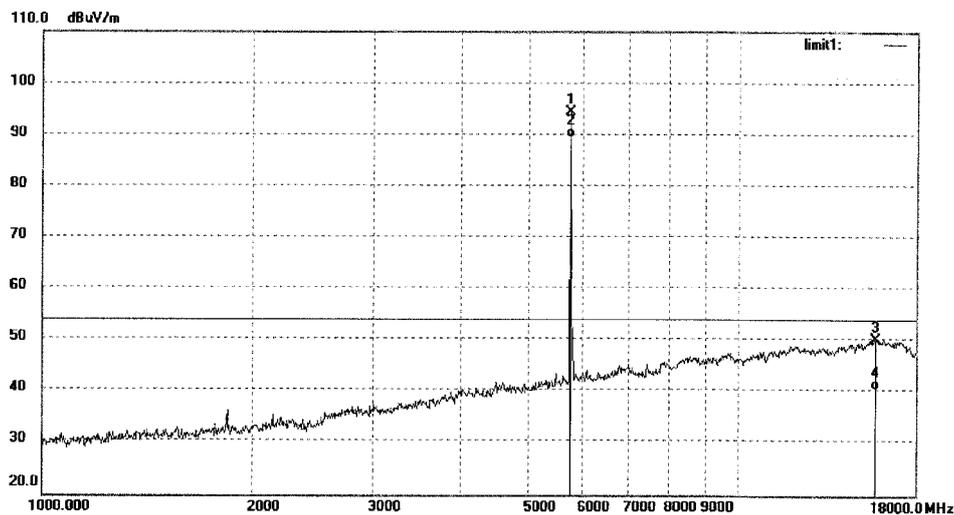
Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: tuv2015 #3363	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5738.000	92.90	1.44	94.34	/	/	peak			
2	5738.000	88.05	1.44	89.49	/	/	AVG			
3	15668.211	10.23	40.07	50.30	74.00	-23.70	peak			
4	15668.211	0.58	40.07	40.65	54.00	-13.35	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

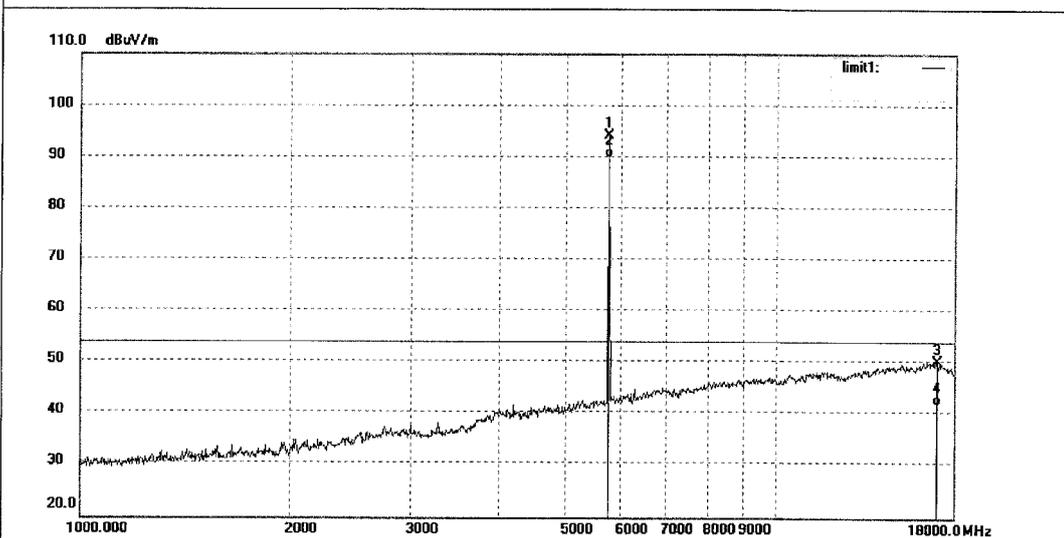
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3365	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5768.000	92.50	1.70	94.20	/	/	peak			
2	5768.000	88.15	1.70	89.85	/	/	AVG			
3	17038.146	8.39	41.85	50.24	74.00	-23.76	peak			
4	17038.146	0.19	41.85	42.04	54.00	-11.96	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

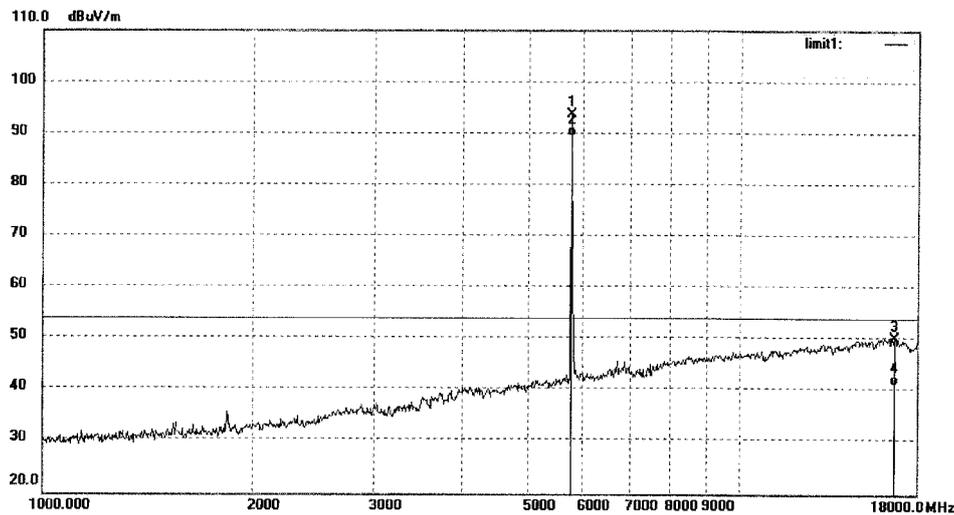
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3366	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5768.000	92.08	1.70	93.78	/	/	peak			
2	5768.000	87.76	1.70	89.46	/	/	AVG			
3	16696.884	9.50	40.85	50.35	74.00	-23.65	peak			
4	16696.884	0.32	40.85	41.17	54.00	-12.83	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

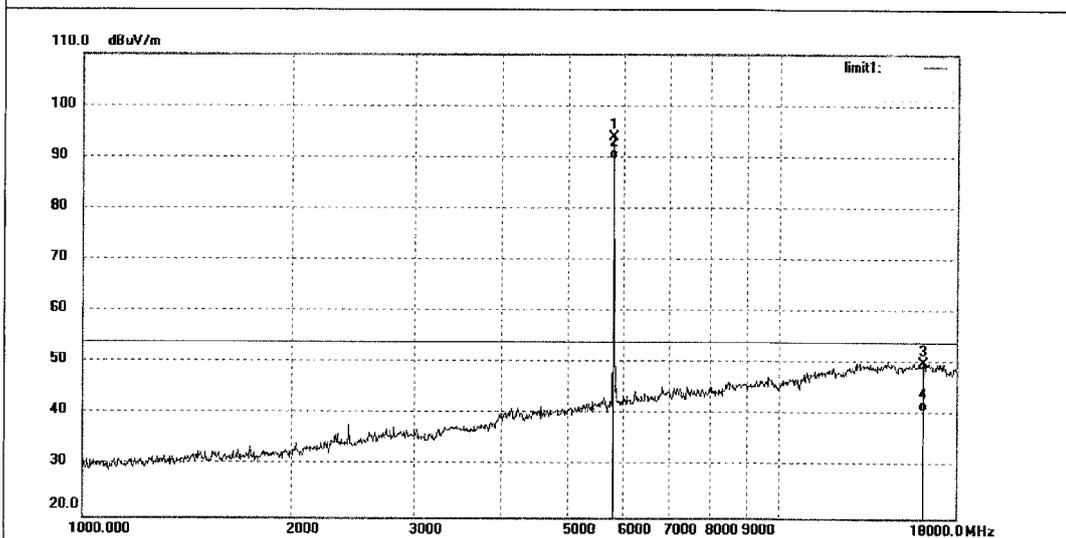
Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: tuv2015 #3367	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5808.000	91.92	1.97	93.89	/	/	peak			
2	5808.000	87.66	1.97	89.63	/	/	AVG			
3	16127.689	10.04	40.08	50.12	74.00	-23.88	peak			
4	16127.689	0.80	40.08	40.88	54.00	-13.12	AVG			


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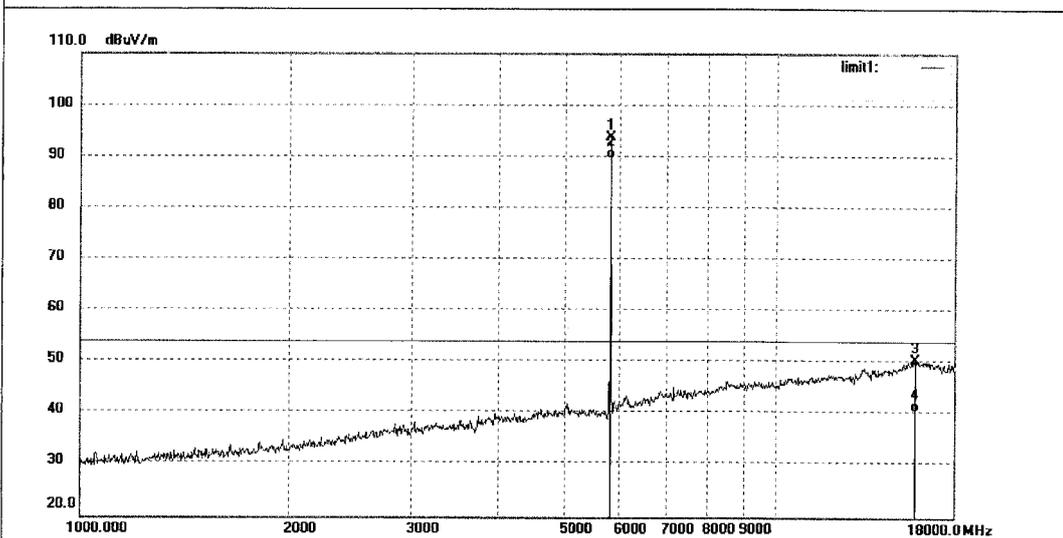
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3472	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5808.000	91.68	1.98	93.66	/	/	peak			
2	5808.000	87.77	1.98	89.75	/	/	AVG			
3	15804.663	10.40	40.04	50.44	74.00	-23.56	peak			
4	15804.663	0.65	40.04	40.69	54.00	-13.31	AVG			

**Prüfbericht - Nr.: 50047661 001**

Test Report No.

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**5.1.1 Radiated emissions outside of the band****RESULT:****Pass**

Date of testing : 2016-06-16  
Test standard : FCC Part 15.209(a)  
FCC Part 15.249(d)  
Basic standard : ANSI C63.10: 2013  
Frequency range : 0.009 – 40000MHz\*  
Limits : FCC Part 15.209(a)  
FCC Part 15.249(d)  
Kind of test site : 3m Semi-Anechoic Chamber & Anechoic Chamber

**Test Setup**

Test channel : Low/ Middle/ High  
Operation mode : A.1  
Ambient temperature : 23°C  
Relative humidity : 48%  
Atmospheric pressure : 101kPa

For details refer to following test plot.

**Prüfbericht - Nr.: 50047661 001**  
*Test Report No.*
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*Page 26 of 67*

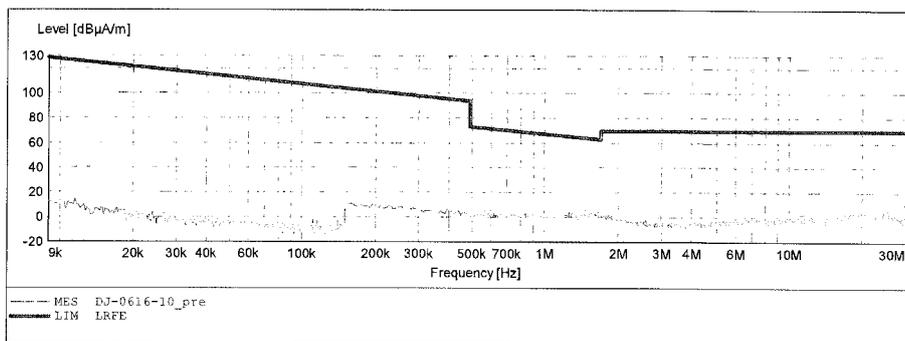
## Test Plot of Radiated emissions outside band

**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5738MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: X  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

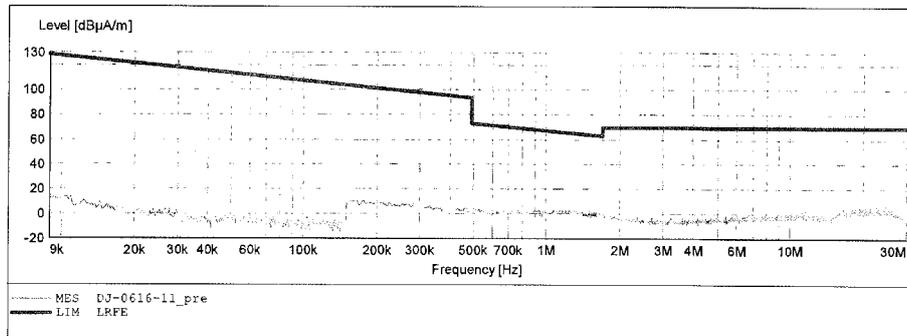


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5738MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: Y  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

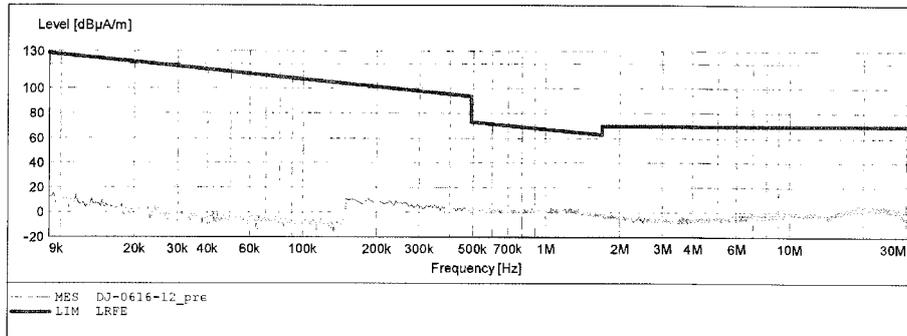


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5738MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: Z  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:		_SUB_STD VTERM2 1.70					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	

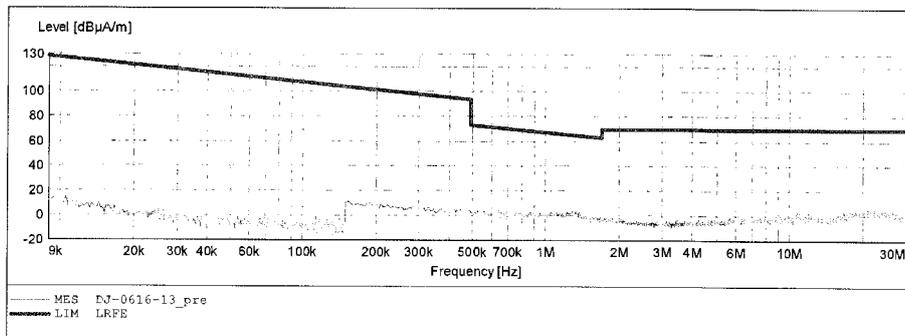


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5768MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: X  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

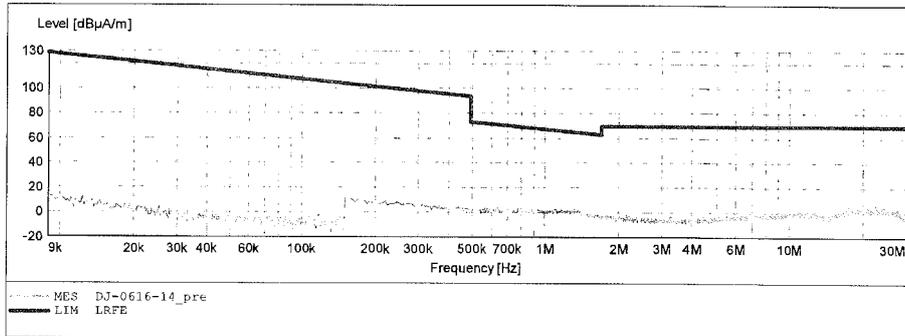


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5768MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: Y  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:		_SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas.	IF	Transducer	
Frequency	Frequency	Width		Time	Bandw.		
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	

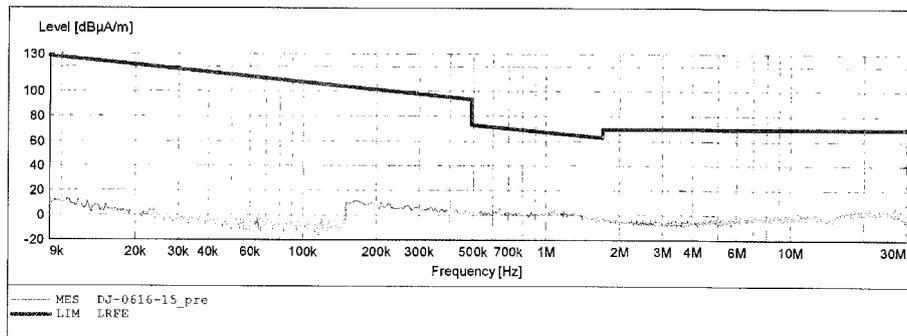


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5768MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: Z  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

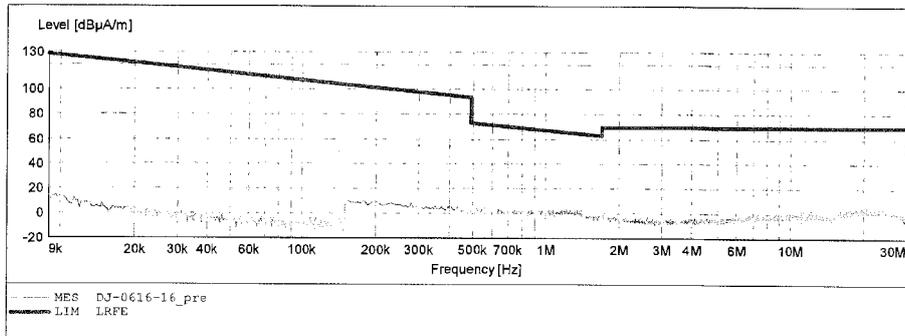


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:PTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5808MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: X  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

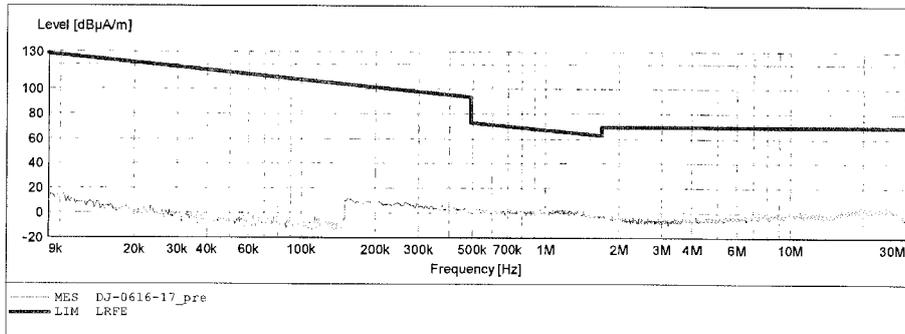


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5808MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: Y  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description:		_SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas.	IF	Transducer	
Frequency	Frequency	Width		Time	Bandw.		
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	

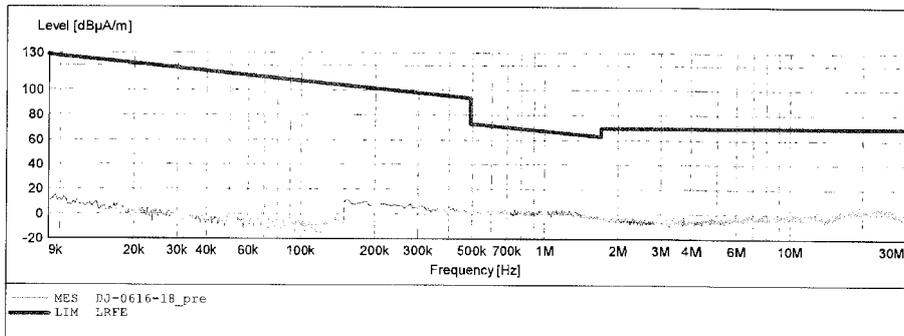


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3M Radiated**

EUT: Focus Expansion Module M/N:FTX158G  
 Manufacturer: SZ DJI TECHNOLOGY CO., LTD.  
 Operating Condition: TX 5808MHz  
 Test Site: 2# Chamber  
 Operator: PEI  
 Test Specification: DC 4.2V  
 Comment: Z  
 Start of Test: 2016-06-16 /

**SCAN TABLE: "LFRE Fin"**

Short Description: _SUB_STD_VTERM2 1.70			Detector	Meas. Time	IF Bandw.	Transducer
Start Frequency	Stop Frequency	Step Width				
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M




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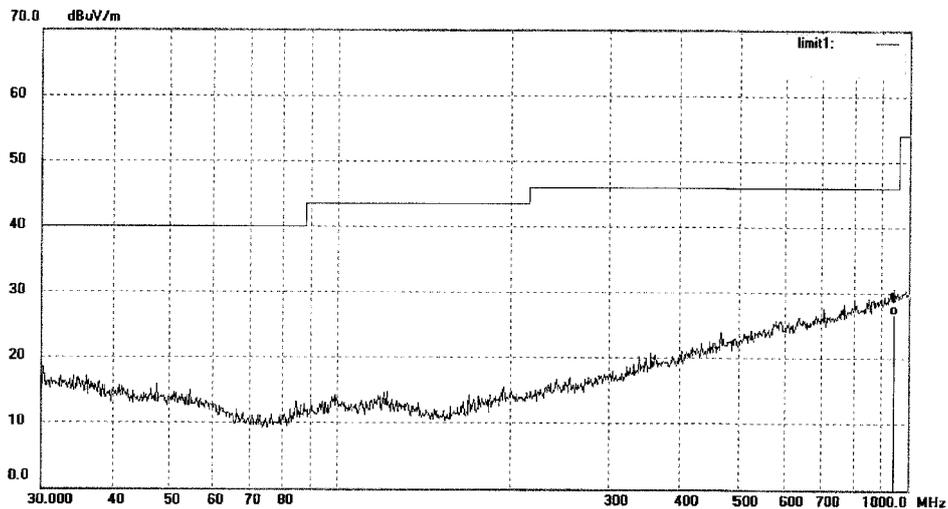
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3435	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	942.1304	24.63	1.98	26.61	46.00	-19.39	QP			


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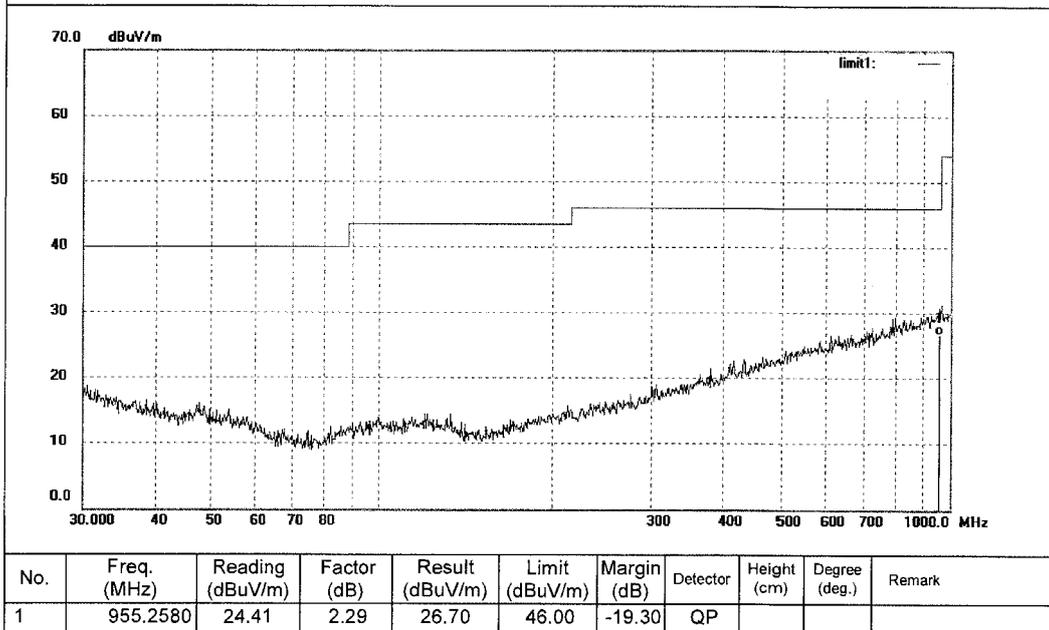
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3434	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:

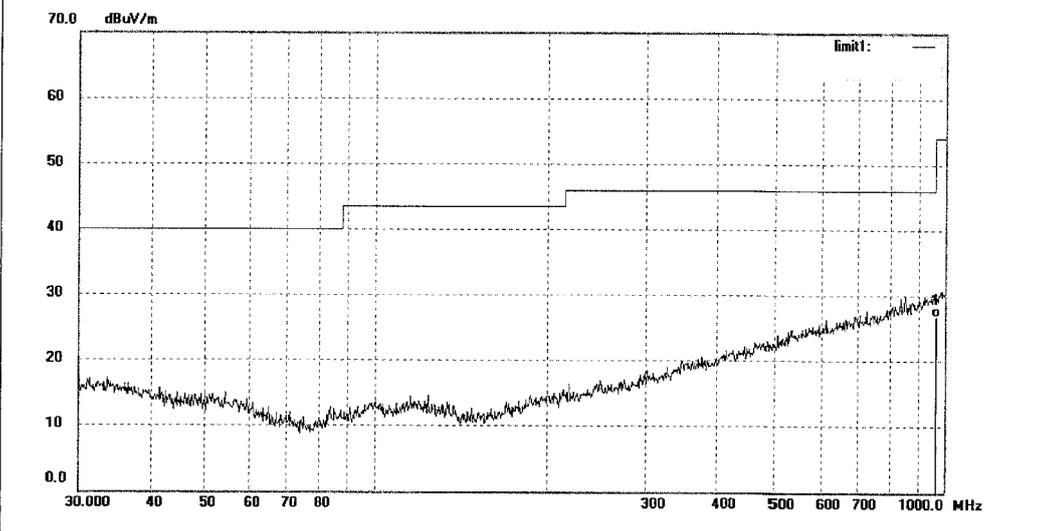



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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #3436	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



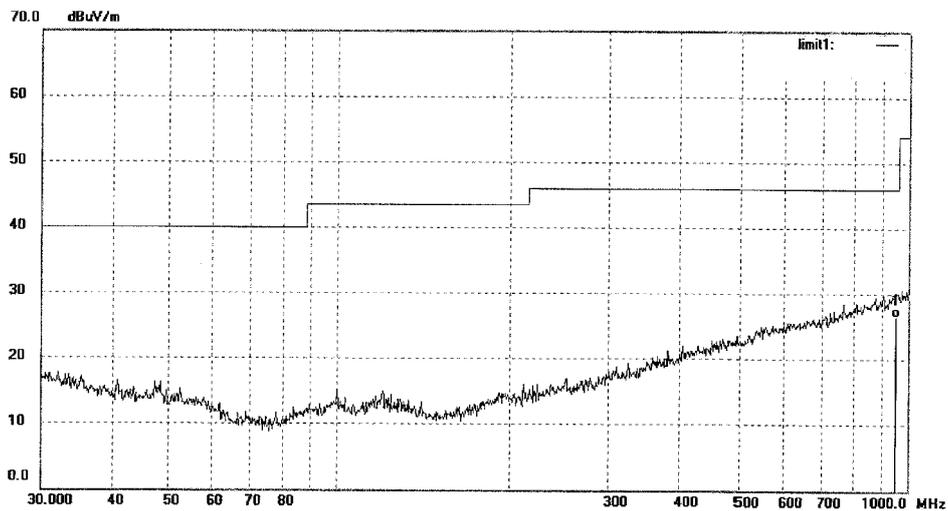
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	955.4381	24.53	2.29	26.82	46.00	-19.18	QP			


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

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

Job No.: tuv2015 #3437	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



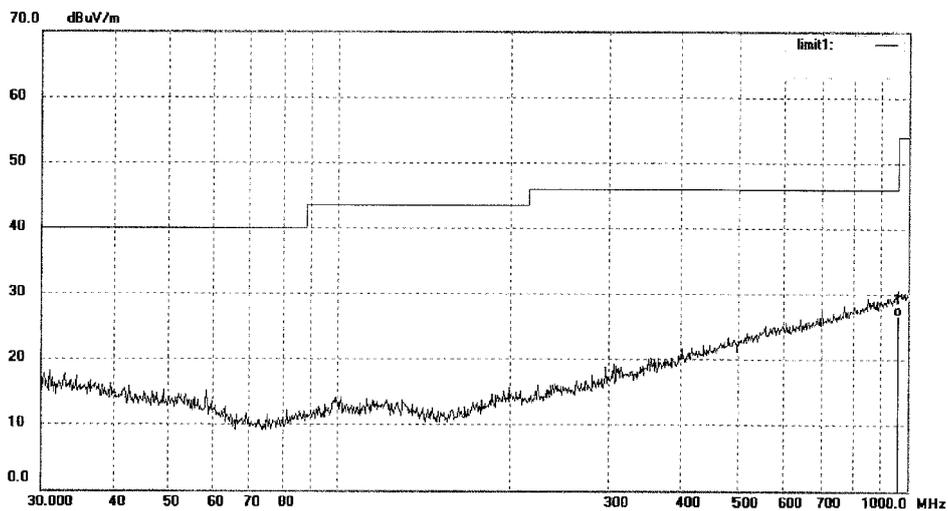
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	24.13	2.37	26.50	46.00	-19.50	QP			


**ACCURATE TECHNOLOGY CO., LTD.**  
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #3439	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



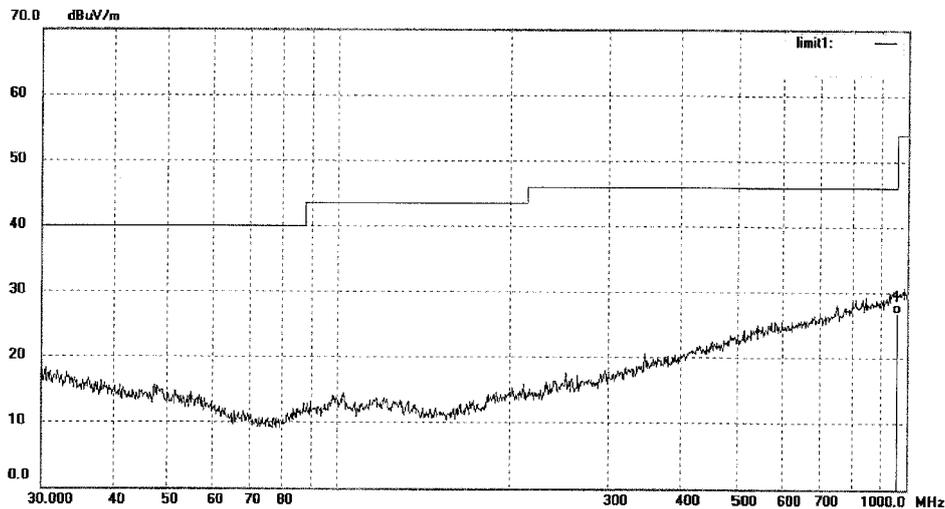
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	955.5680	24.46	2.30	26.76	46.00	-19.24	QP			


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

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

Job No.: tuv2015 #3438	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



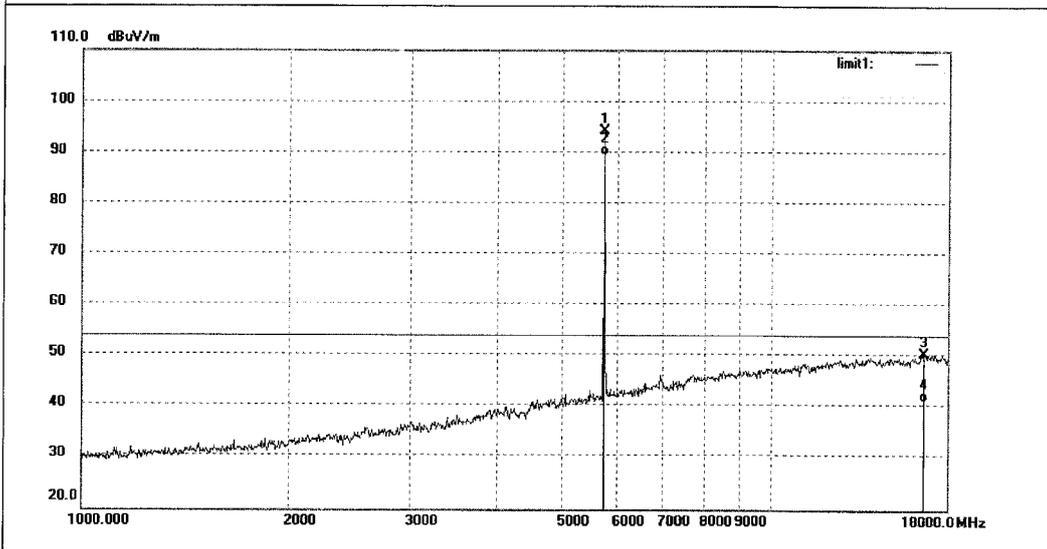
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	955.4880	24.53	2.29	26.82	46.00	-19.18	QP			


**ACCURATE TECHNOLOGY CO., LTD.**  
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #3364	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



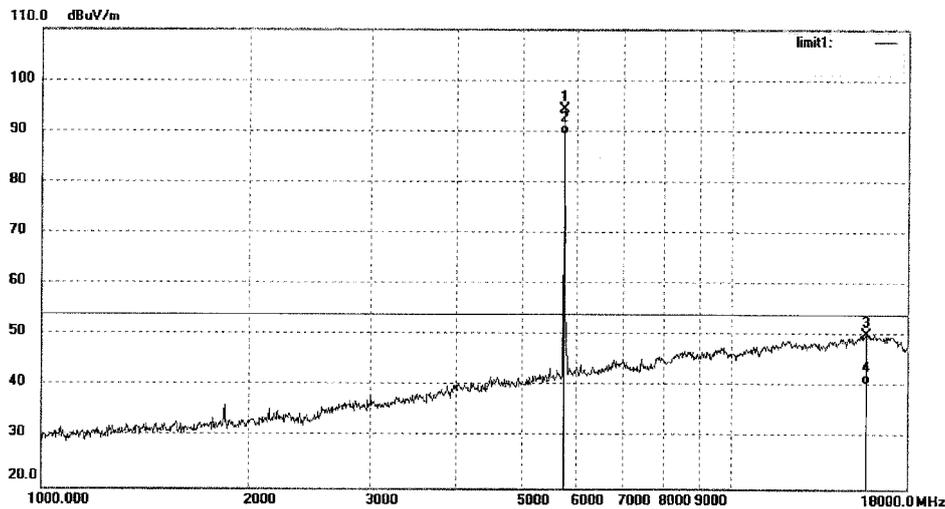
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5738.000	92.74	1.44	94.18	/	/	peak			
2	5738.000	87.96	1.44	89.40	/	/	AVG			
3	16648.693	9.68	40.72	50.40	74.00	-23.60	peak			
4	16648.693	0.58	40.72	41.30	54.00	-12.70	AVG			


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

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

Job No.: tuv2015 #3363	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



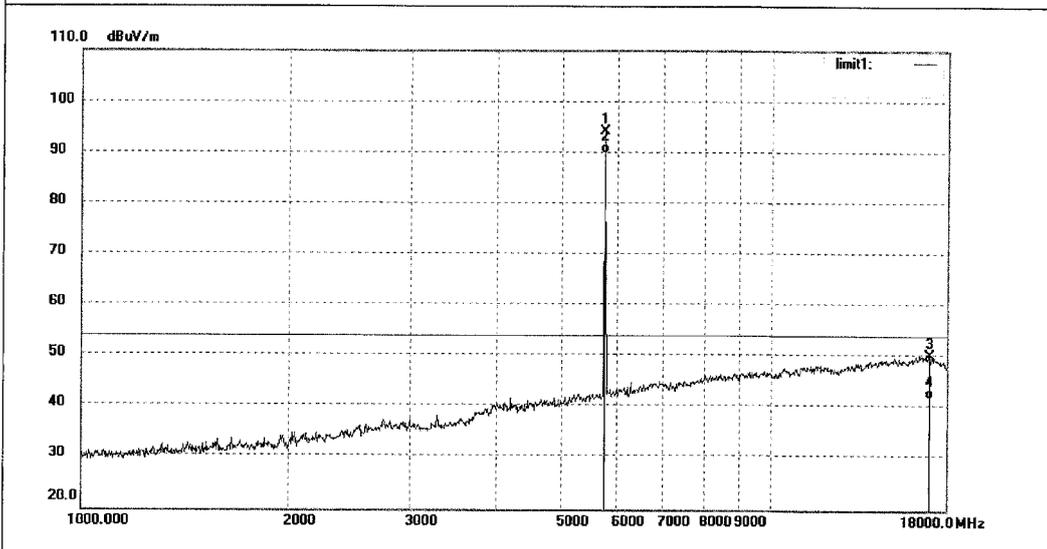
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5738.000	92.90	1.44	94.34	/	/	peak			
2	5738.000	88.05	1.44	89.49	/	/	AVG			
3	15668.211	10.23	40.07	50.30	74.00	-23.70	peak			
4	15668.211	0.58	40.07	40.65	54.00	-13.35	AVG			


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

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

Job No.: tuv2015 #3365	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



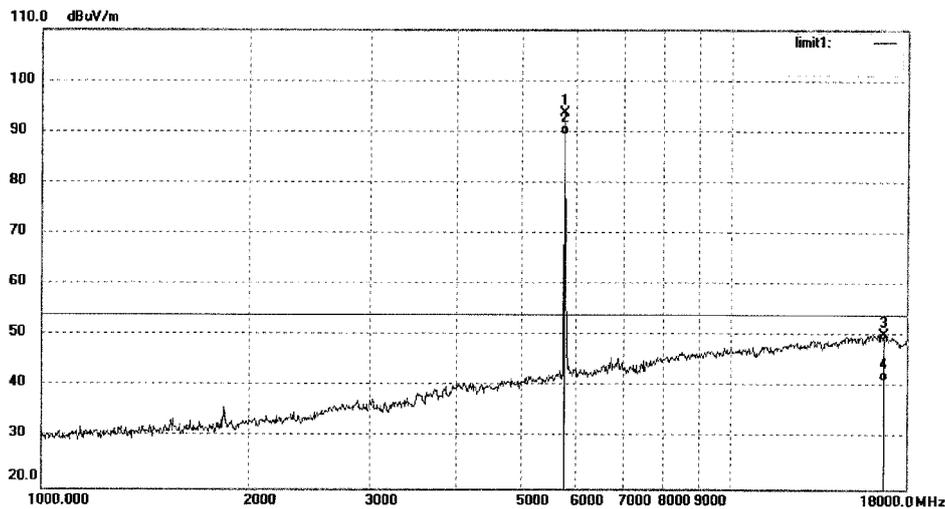
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5768.000	92.50	1.70	94.20	/	/	peak			
2	5768.000	88.15	1.70	89.85	/	/	AVG			
3	17038.146	8.39	41.85	50.24	74.00	-23.76	peak			
4	17038.146	0.19	41.85	42.04	54.00	-11.96	AVG			


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Job No.: tuv2015 #3366	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



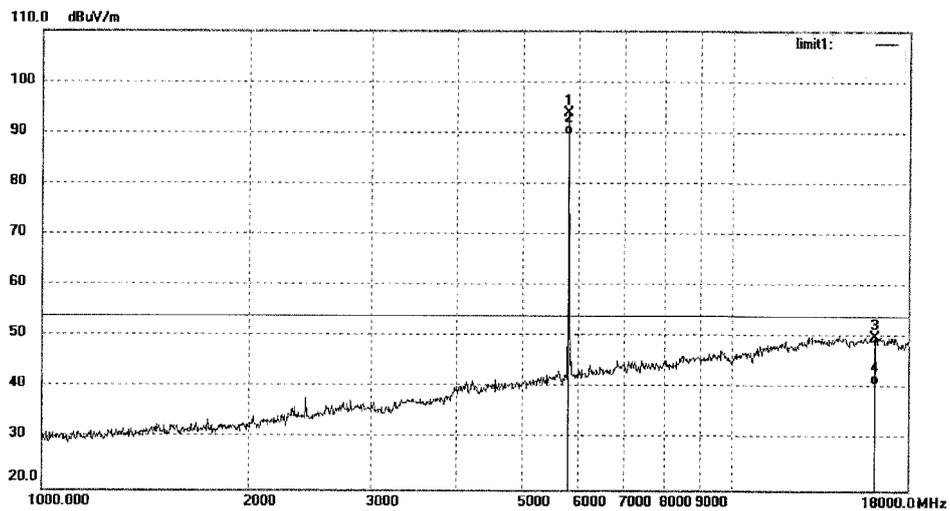
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5768.000	92.08	1.70	93.78	/	/	peak			
2	5768.000	87.76	1.70	89.46	/	/	AVG			
3	16696.884	9.50	40.85	50.35	74.00	-23.65	peak			
4	16696.884	0.32	40.85	41.17	54.00	-12.83	AVG			


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Job No.: tuv2015 #3367	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/13/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



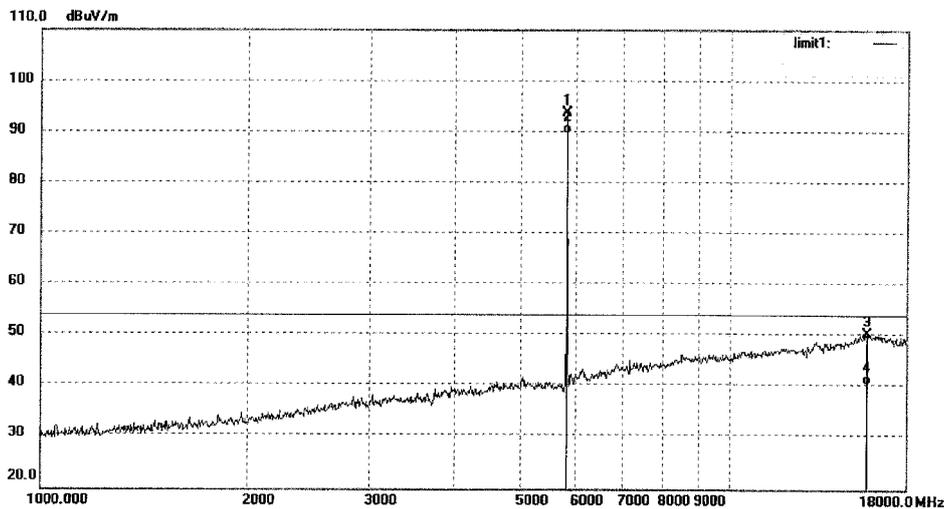
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5808.000	91.92	1.97	93.89	/	/	peak			
2	5808.000	87.66	1.97	89.63	/	/	AVG			
3	16127.689	10.04	40.08	50.12	74.00	-23.88	peak			
4	16127.689	0.80	40.08	40.88	54.00	-13.12	AVG			


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Job No.: tuv2015 #3472	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



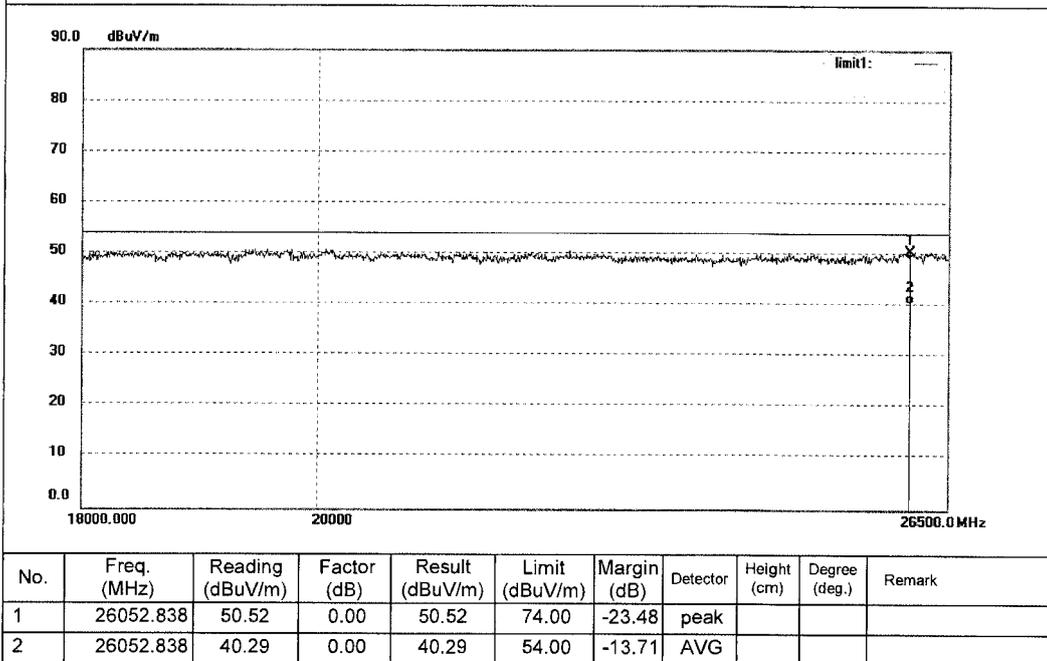
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5808.000	91.68	1.98	93.66	/	/	peak			
2	5808.000	87.77	1.98	89.75	/	/	AVG			
3	15804.663	10.40	40.04	50.44	74.00	-23.56	peak			
4	15804.663	0.65	40.04	40.69	54.00	-13.31	AVG			


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Job No.: tuv2015 #3397	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:




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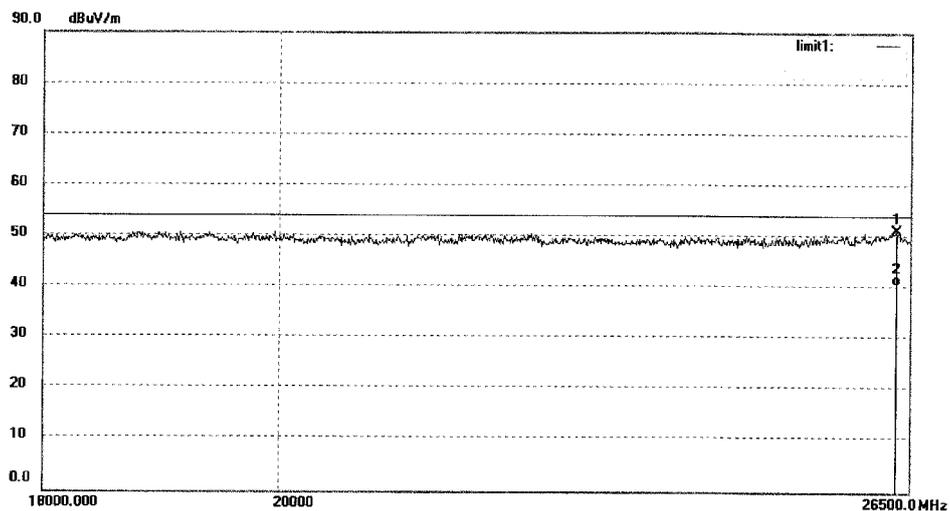
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3396	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



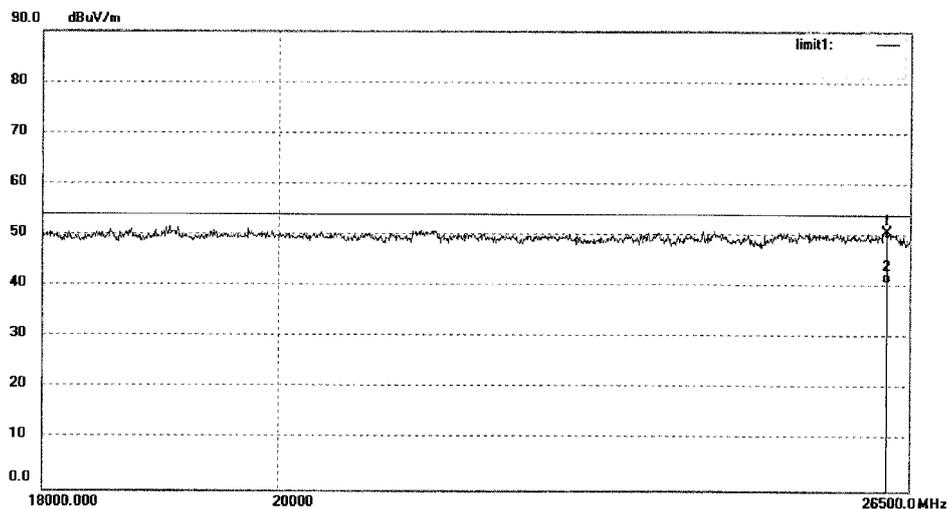
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.515	51.20	0.00	51.20	74.00	-22.80	peak			
2	26336.515	40.65	0.00	40.65	54.00	-13.35	AVG			


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Job No.: tuv2015 #3398	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



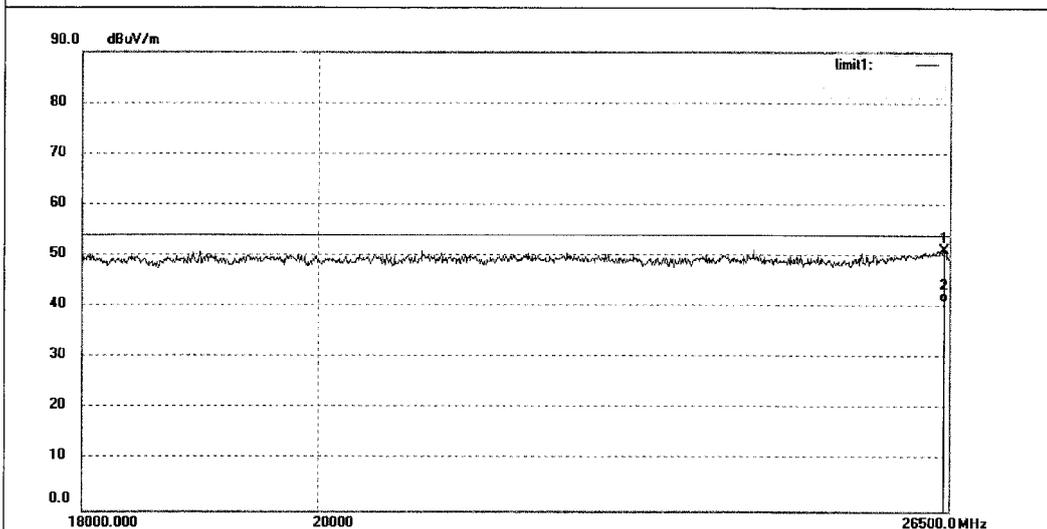
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26234.849	50.80	0.00	50.80	74.00	-23.20	peak			
2	26234.849	40.78	0.00	40.78	54.00	-13.22	AVG			


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Job No.: tuv2015 #3399	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5768MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



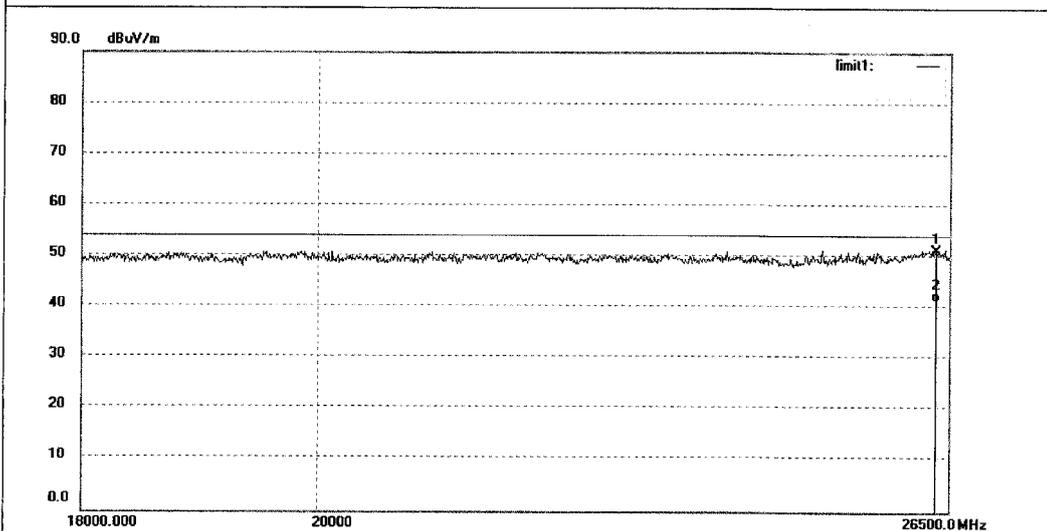
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26438.574	51.27	0.00	51.27	74.00	-22.73	peak			
2	26438.574	40.95	0.00	40.95	54.00	-13.05	AVG			


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 Fax:+86-0755-26503396

Job No.: tuv2015 #3401	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



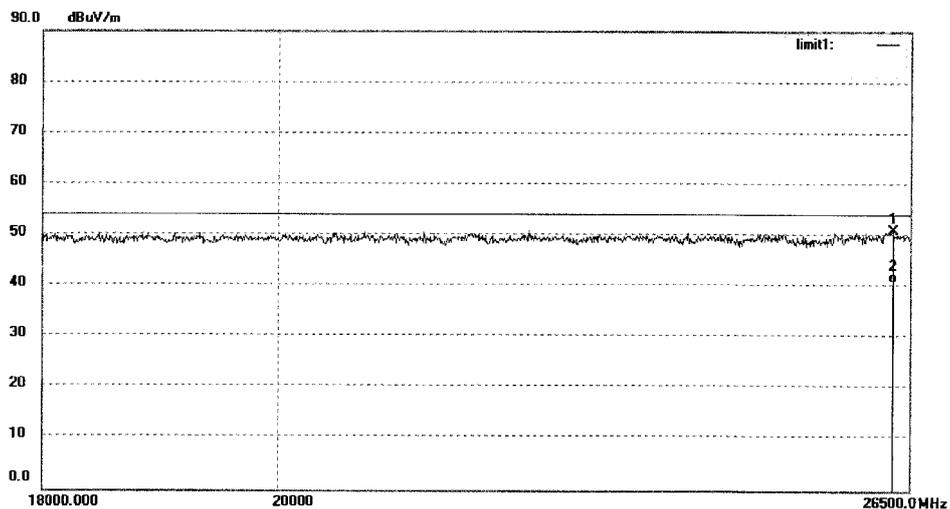
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26346.703	51.23	0.00	51.23	74.00	-22.77	peak			
2	26346.703	41.29	0.00	41.29	54.00	-12.71	AVG			


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Job No.: tuv2015 #3400	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	26295.801	51.01	0.00	51.01	74.00	-22.99	peak			
2	26295.801	40.85	0.00	40.85	54.00	-13.15	AVG			

EMI Sweep(2)

1 / 1

## Radiated Emission

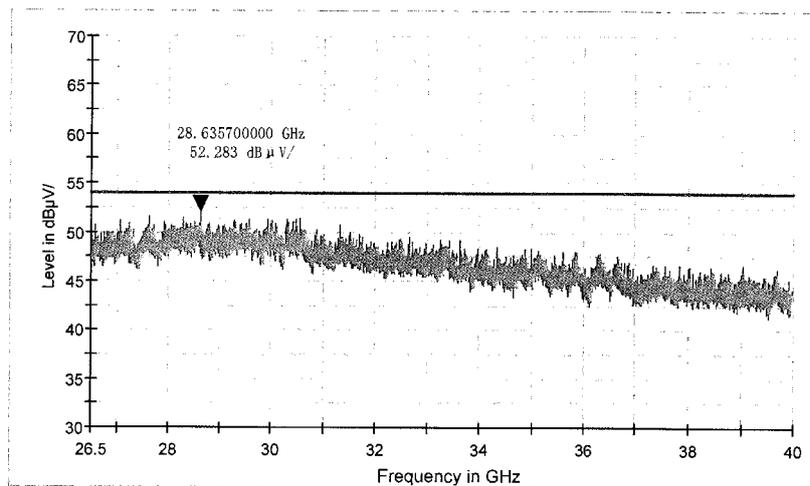
### EUT Information

EUT Model Name: Focus Expansion Module M/N: FTX158G  
Operation mode: TX 5738MHz  
Test Voltage: DC 4.2V  
Comment:

### Common Information

Test Site: SMQ EMC Lab.  
Environment Conditions:  
Antenna Polarization: Horizontal  
Operator Name:  
Comment:

FCC Electric Field Strength 26.5-40GHz



EMI Sweep(2)

1 / 1

## Radiated Emission

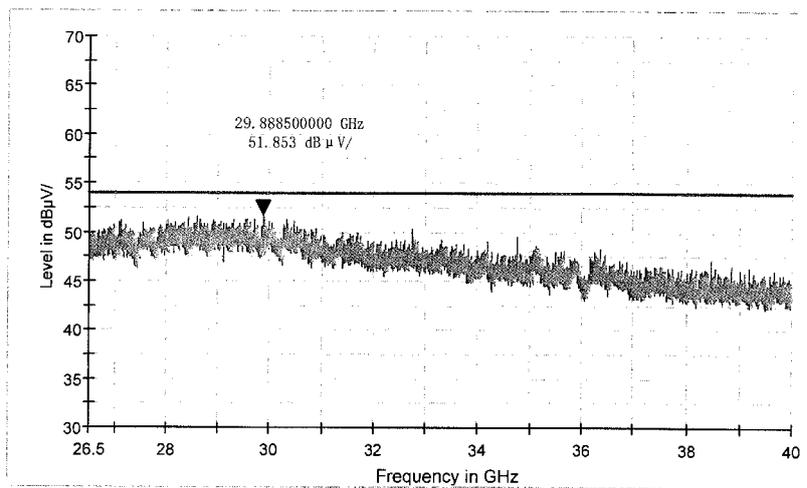
### EUT Information

EUT Model Name: Focus Expansion Module M/N: FTX158G  
Operation mode: TX 5738MHz  
Test Voltage: DC 4.2V  
Comment:

### Common Information

Test Site: SMQ EMC Lab.  
Environment Conditions:  
Antenna Polarization: Vertical  
Operator Name:  
Comment:

FCC Electric Field Strength 26.5-40GHz



EMI Sweep(2)

1 / 1

## Radiated Emission

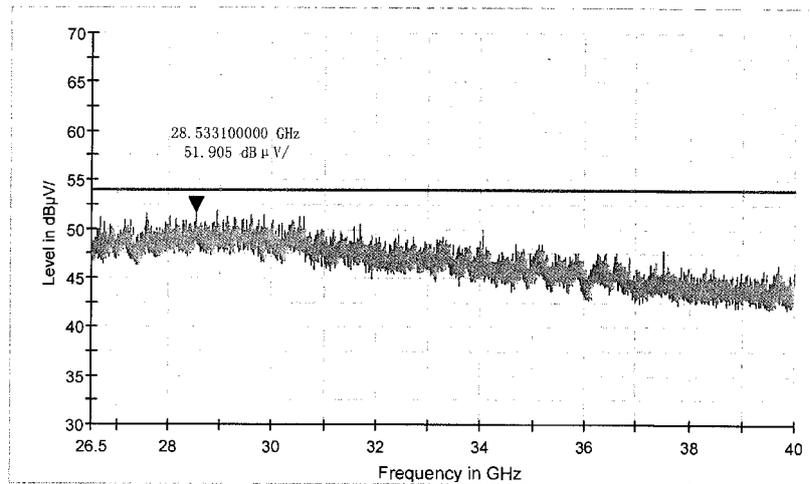
### EUT Information

EUT Model Name: Focus Expansion Module M/N: FTX158G  
Operation mode: TX 5768MHz  
Test Voltage: DC 4.2V  
Comment:

### Common Information

Test Site: SMQ EMC Lab.  
Environment Conditions:  
Antenna Polarization: Horizontal  
Operator Name:  
Comment:

FCC Electric Field Strength 26.5-40GHz



EMI Sweep(2)

1 / 1

## Radiated Emission

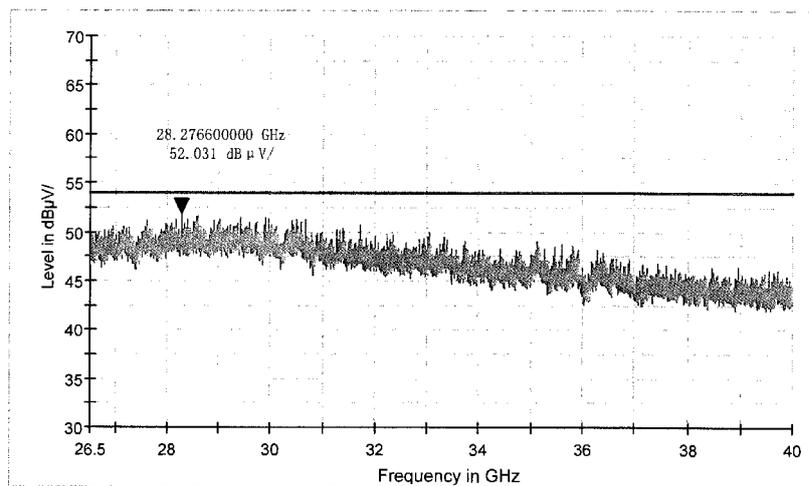
### EUT Information

EUT Model Name: Focus Expansion Module M/N: FTX158G  
Operation mode: TX 5768MHz  
Test Voltage: DC 4.2V  
Comment:

### Common Information

Test Site: SMQ EMC Lab.  
Environment Conditions:  
Antenna Polarization: Vertical  
Operator Name:  
Comment:

FCC Electric Field Strength 26.5-40GHz



EMI Sweep(2)

1 / 1

## Radiated Emission

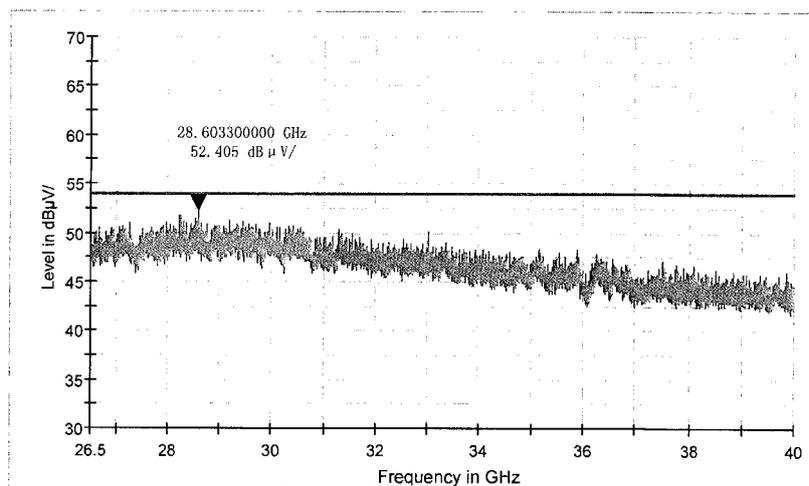
### EUT Information

EUT Model Name: Focus Expansion Module M/N: FTX158G  
Operation mode: TX 5808MHz  
Test Voltage: DC 4.2V  
Comment:

### Common Information

Test Site: SMQ EMC Lab.  
Environment Conditions:  
Antenna Polarization: Horizontal  
Operator Name:  
Comment:

FCC Electric Field Strength 26.5-40GHz



EMI Sweep(2)

1 / 1

## Radiated Emission

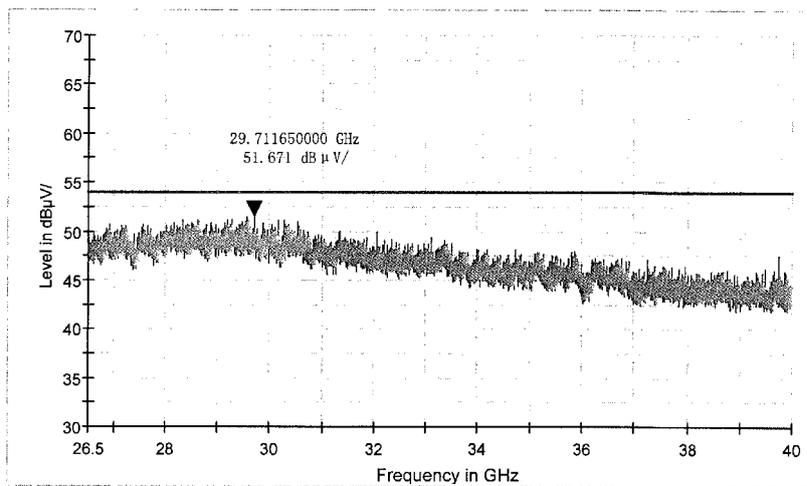
### EUT Information

EUT Model Name: Focus Expansion Module M/N: FTX158G  
Operation mode: TX 5808MHz  
Test Voltage: DC 4.2V  
Comment:

### Common Information

Test Site: SMQ EMC Lab.  
Environment Conditions:  
Antenna Polarization: Vertical  
Operator Name:  
Comment:

FCC Electric Field Strength 26.5-40GHz



### Test Plot of Frequency Band Edge


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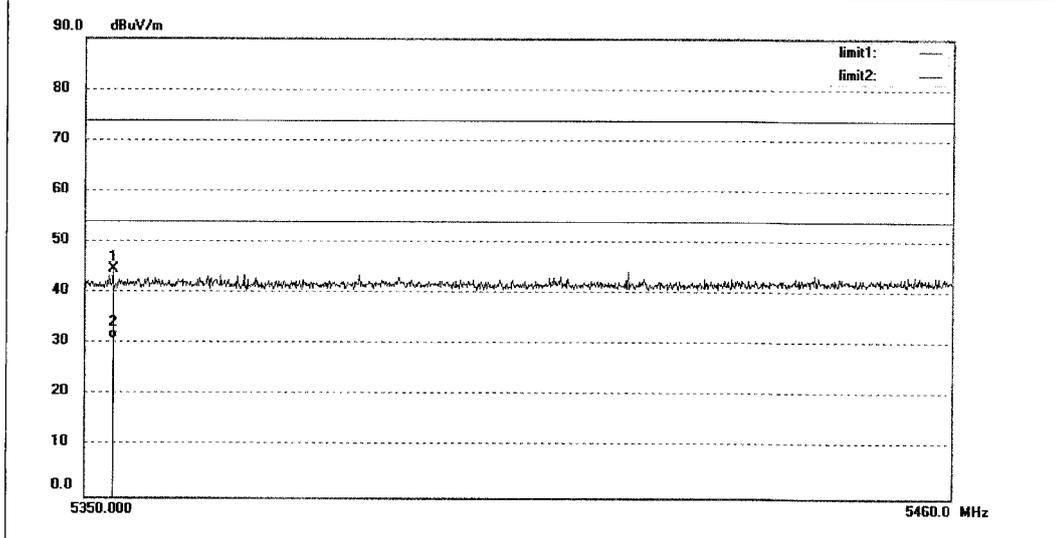
Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: tuv2015 #3431	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5353.520	43.77	0.82	44.59	74.00	-29.41	peak			
2	5353.520	30.18	0.82	31.00	54.00	-23.00	AVG			


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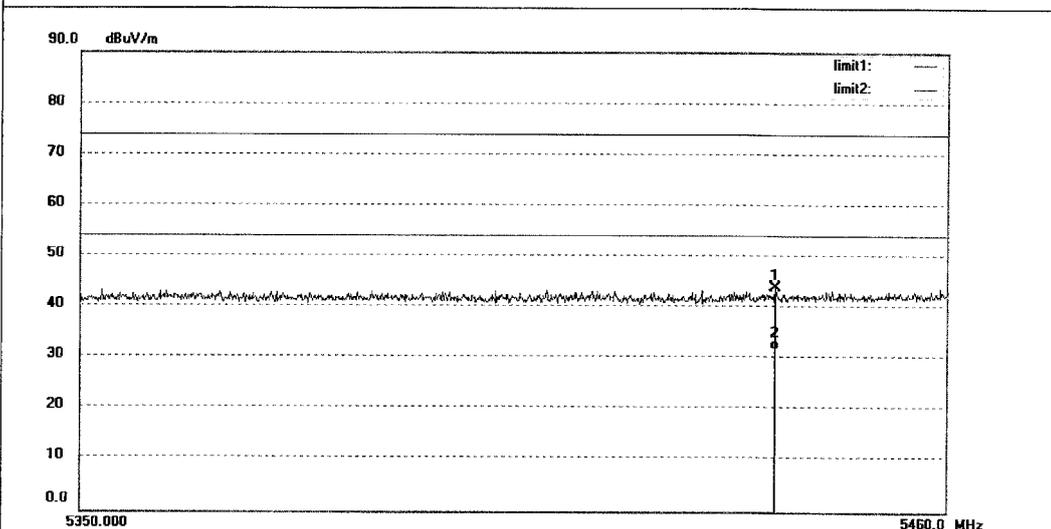
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: tuv2015 #3430	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5738MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	5438.220	43.06	0.86	43.92	74.00	-30.08	peak			
2	5438.220	31.07	0.86	31.93	54.00	-22.07	AVG			


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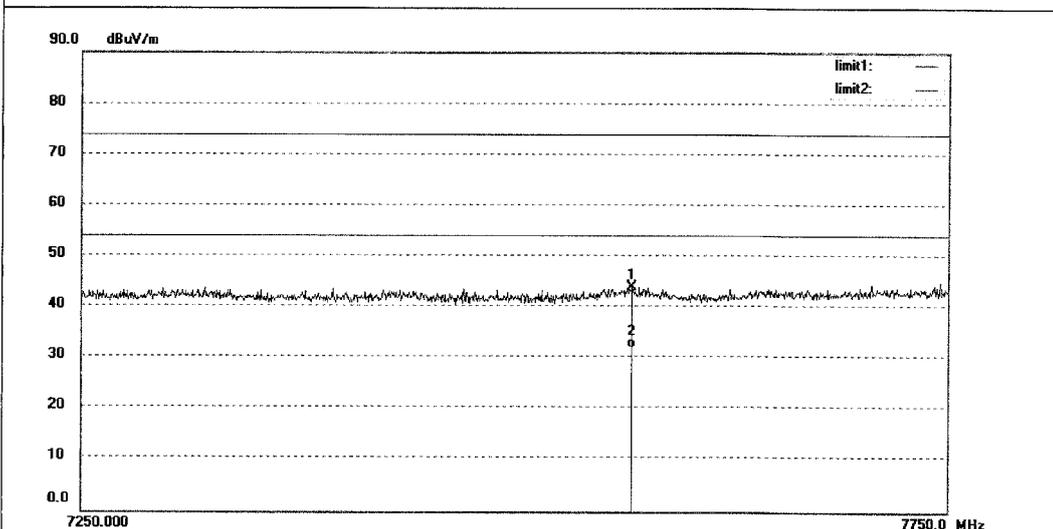
Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: tuv2015 #3432	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.	

Note:



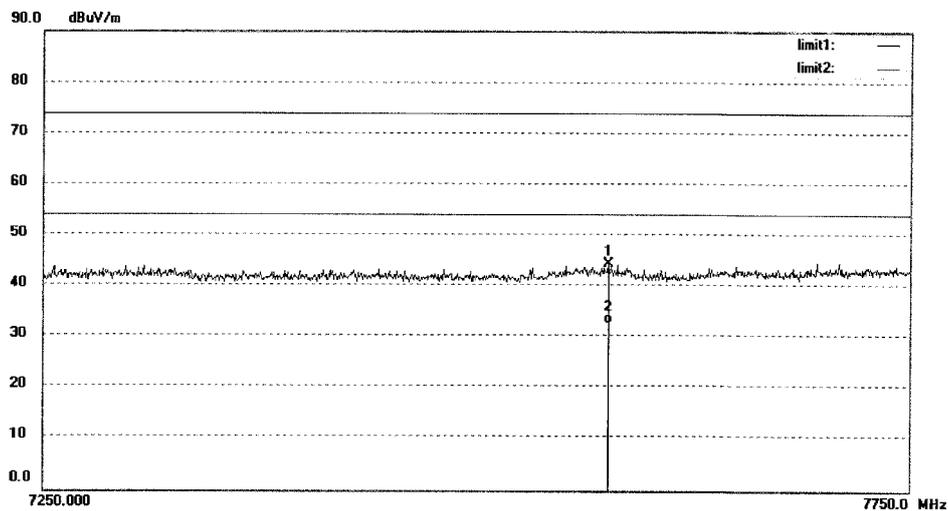
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	7565.000	39.52	4.55	44.07	74.00	-29.93	peak			
2	7565.000	27.52	4.55	32.07	54.00	-21.93	AVG			


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 Site: 2# Chamber  
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Job No.: tuv2015 #3433	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 4.2V
Test item: Radiation Test	Date: 16/06/15/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Focus Expansion Module	Engineer Signature: PEI
Mode: TX 5808MHz	Distance: 3m
Model: FTX158G	
Manufacturer: SZ DJI TECHNOLOGY 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	7573.500	39.72	4.61	44.33	74.00	-29.67	peak			
2	7573.500	28.06	4.61	32.67	54.00	-21.33	AVG			

## 6. Safety Human exposure

### 6.1 Radio Frequency Exposure Compliance

#### 6.1.1 Electromagnetic Fields

**RESULT:****Pass**

Test standard : FCC KDB Publication 447498 D01 v06

Since maximum radiated power of the transmitter is  $7.211\text{mW} < 25\text{mW}$ , and the distance from EUT to human is  $\geq 20\text{mm}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

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