



TESTING LABORATORY  
CERTIFICATE #4820.01



# FCC PART 15 B

## TEST REPORT

For

### SZ DJI TECHNOLOGY CO., LTD

14th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave,  
Nanshan, Shenzhen, Guangdong, China

**FCC ID: SS3-RM5001808**

<b>Report Type:</b> Original Report	<b>Product Name:</b> DJI Smart Controller
<b>Report Number:</b>	RDG180812002-00D
<b>Report Date:</b>	2018-09-15
<b>Reviewed By:</b>	Jerry Zhang EMC Manager <i>Jerry Zhang</i>
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## GENERAL INFORMATION

### Product Description for Equipment Under Test (EUT)

<b>EUT Name:</b>		DJI Smart Controller
<b>EUT Model:</b>		RM500
<b>FCC ID:</b>		SS3-RM5001808
<b>Highest Operation Frequency:</b>		5825 MHz
<b>Rated Input Voltage:</b>		DC7.2V from battery or DC 3.6-12 V from adapter
<b>Nominal Adapter Information</b>	<b>Input:</b>	100-240V-50/60Hz 0.8A Max
	<b>Output:</b>	DC3.6-8V, 3.0A/ DC12V, 2.0A
<b>External Dimension:</b>		17.9cm(L)* 12.2cm(W)* 3.9cm(H)
<b>Serial Number:</b>		180812002
<b>EUT Received Date:</b>		2018.08.12

### Objective

This test report is prepared on behalf of *SZ DJI TECHNOLOGY CO., LTD* In accordance with Part 2, Subpart J, and Part 15-Subparts A and B of the Federal Communications Commission's rules.

The objective of the manufacturer is to determine the compliance of EUT with FCC Part 15 B Class B.

### Related Submittal(s)/Grant(s)

FCC Part 15C DTS, DSS and Part 15E NII submissions with FCC ID: SS3-RM5001808

Part of system submissions with FCC ID: SS3-L1P1805

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan).

**Measurement Uncertainty**

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.55 dB, 200M~1GHz: 5.92 dB, 1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Temperature	±1 °C
Humidity	±5%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

**Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in typical fashion (as normally used by a typical user) as below:

Test mode 1: Charging and playing, during test, the device was charging by adapter and display playing the video captured by the aircraft (model: L1P).

Test mode 2: Downloading, during test, the Laptop downloading the data from the SD card and USB flash disk, which installed in the EUT.

### EUT Exercise Software

The software “Winthrax.exe” was used during test.

### Equipment Modifications

No modification was made to the EUT tested.

### Local Support Equipment List and Details

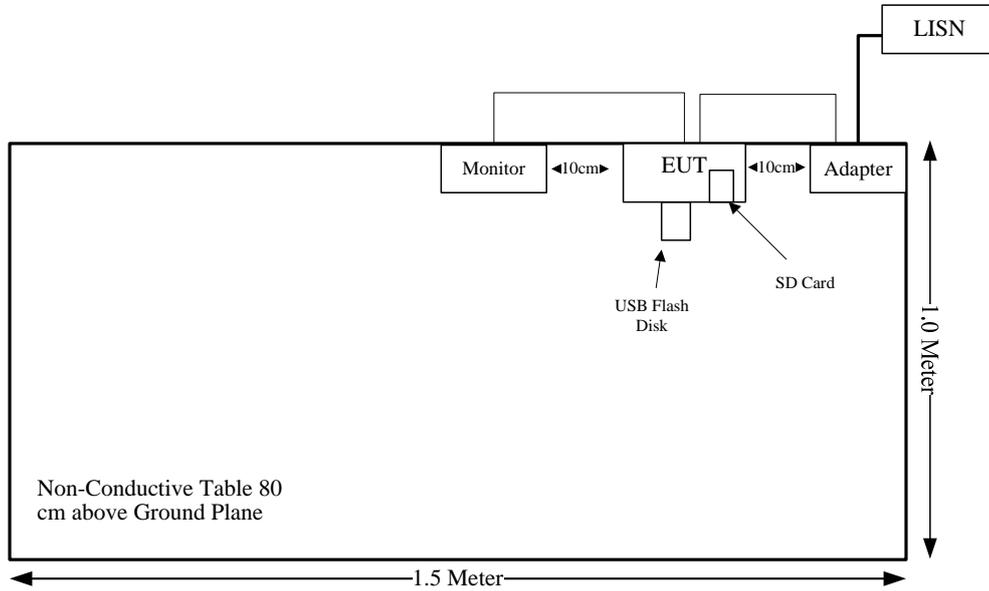
Manufacturer	Description	Model	Serial Number
DELL	Laptop	PP11L	QDS-BRCM1017
HP	Printer	C3941A	JPTVOB2337
DELL	Keyboard	L100	CNORH656658907BL05DC
SAMSUNG	Monitor	S22C330H	ZXDCHTHD101491K
SAST	Modem	AEM-2100	293
Kingston	SD card	4G	/
Kingston	USB Flash Disk	4G	/

### Support Cable List and Details

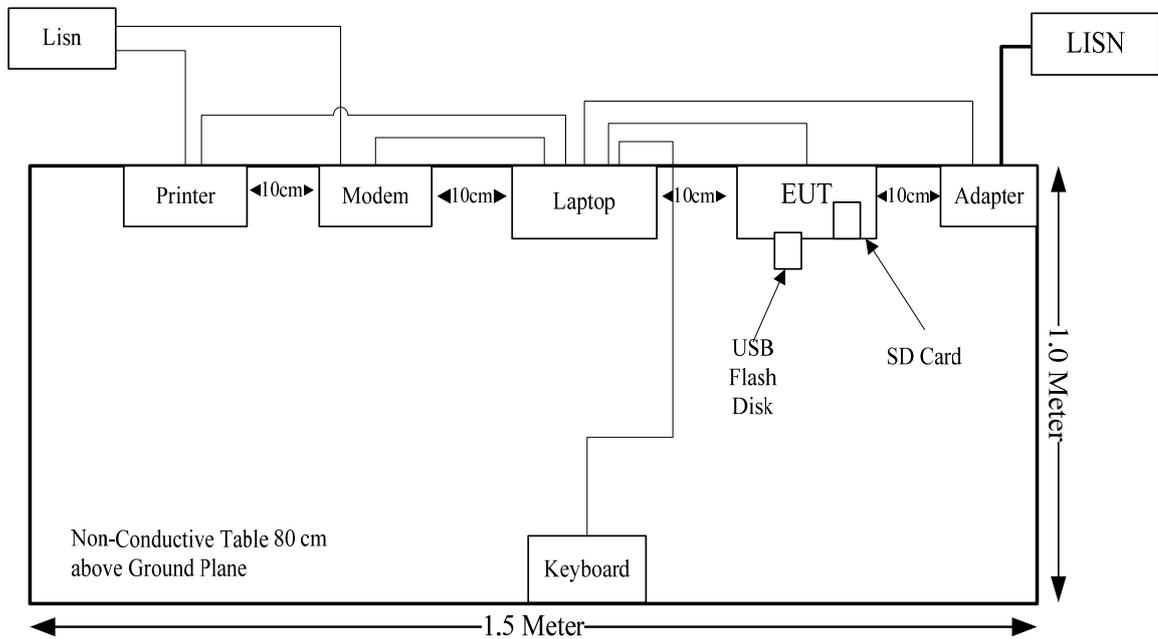
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Serial Cable	yes	No	1.2	Serial Port of Laptop	Modem
Parallel Cable	yes	No	1.2	Parallel Port of Laptop	Printer
Keyboard Cable	yes	No	1.8	USB Port of Laptop	Keyboard
USB Cable	yes	No	1.1	USB Port of Laptop	EUT
HDMI cable	yes	yes	1	EUT	Monitor

### Configuration of Test Setup

Charging and Playing:



Downloading:



**Test Equipment List**

<b>Manufacturer</b>	<b>Description</b>	<b>Model</b>	<b>Serial Number</b>	<b>Calibration Date</b>	<b>Calibration Due Date</b>
R&S	EMI Test Receiver	ESCS 30	830245/006	2017-12-11	2018-12-11
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-01	2017-09-05	2018-09-05
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A
R&S	Two-line V-network	ENV 216	101614	2017-12-08	2018-12-08
R&S	EMI Test Receiver	ESCI	100224	2017-12-11	2018-12-11
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2017-09-05	2018-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2017-09-05	2018-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2017-09-05	2018-09-05
HP	Amplifier	8447D	2727A05902	2017-09-05	2018-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2018-01-04	2019-01-04
R&S	Spectrum Analyzer	FSP 38	100478	2017-12-08	2018-12-08
ETS-Lindgren	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-05
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2016-11-18	2019-11-18
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2016-11-18	2019-11-18
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2017-09-05	2018-09-05
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2018-06-27	2019-06-27
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2018-06-27	2019-06-27

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Environmental Conditions**

<b>Temperature:</b>	26.6~27.6 °C
<b>Relative Humidity:</b>	39~60 %
<b>ATM Pressure:</b>	99.9~100.7 kPa
<b>Tester:</b>	Vern Shen, Blake Yang, Lily Xie
<b>Test Date:</b>	2018.08.23-2018.09.04

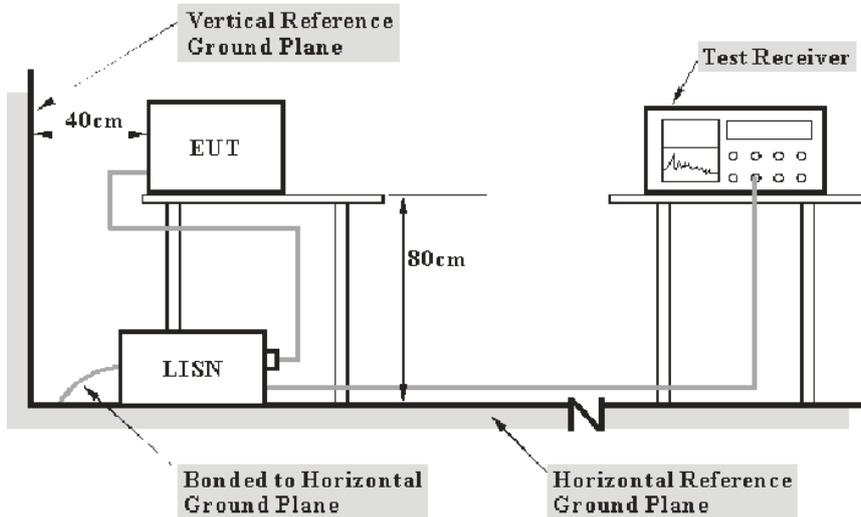
## SUMMARY OF TEST RESULTS

### FCC Part 15B

Clause	Description of Test	Test Result
§15.107	Conducted emissions	Compliance
§15.109	Radiated emissions	Compliance

**FCC Part 15B §15.107 – CONDUCTED EMISSIONS**

**EUT 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.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

**EMI Test Receiver Setup**

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

**Test Procedure**

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

## Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result (QuasiPeak or Average) = Meter Reading + Corr.

Note:

Corr. = Cable loss + Factor of coupling device

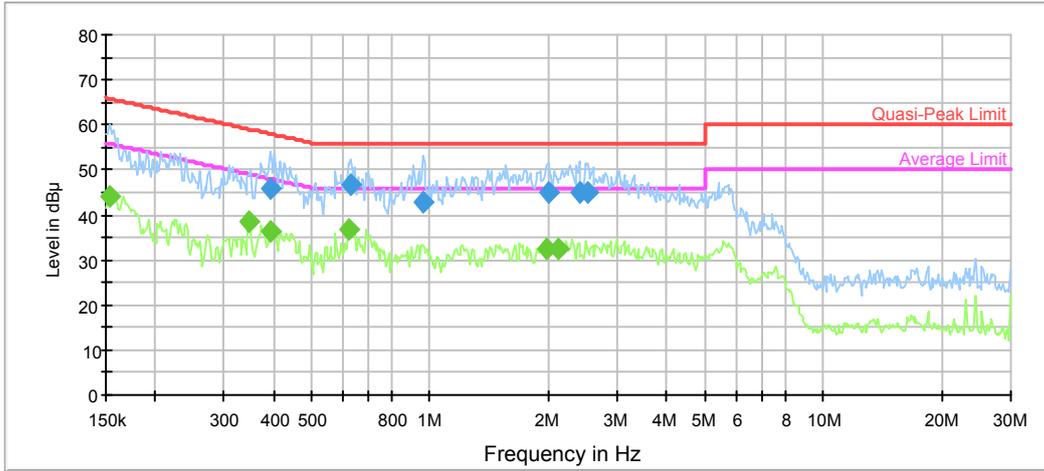
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Result

**Test Data**

Please refer to following table and plots:

Model Number: RM500  
 Port: L  
 Test Mode: Charging and Playing  
 Power Source: AC 120V/60Hz



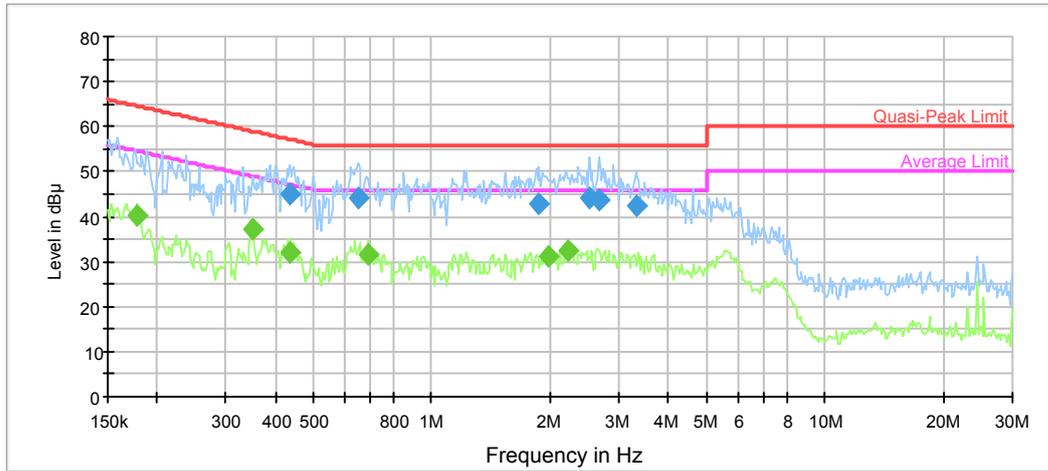
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.393383	45.8	9.000	L1	10.0	12.2	58.0
0.629488	46.7	9.000	L1	9.8	9.3	56.0
0.960275	42.7	9.000	L1	9.8	13.3	56.0
1.998778	44.9	9.000	L1	9.7	11.1	56.0
2.400804	44.9	9.000	L1	9.8	11.1	56.0
2.518372	45.2	9.000	L1	9.8	10.8	56.0

**Final Result 2**

Frequency (MHz)	Average (dB $\mu$ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.153629	44.0	9.000	L1	11.1	11.8	55.8
0.346296	38.3	9.000	L1	10.0	10.8	49.1
0.393383	36.4	9.000	L1	10.0	11.6	48.0
0.619536	36.9	9.000	L1	9.8	9.1	46.0
1.982914	32.6	9.000	L1	9.7	13.4	46.0
2.130339	32.4	9.000	L1	9.7	13.6	46.0

Model Number: RM500  
 Port: N  
 Test Mode: Charging and Playing  
 Power Source: AC 120V/60Hz



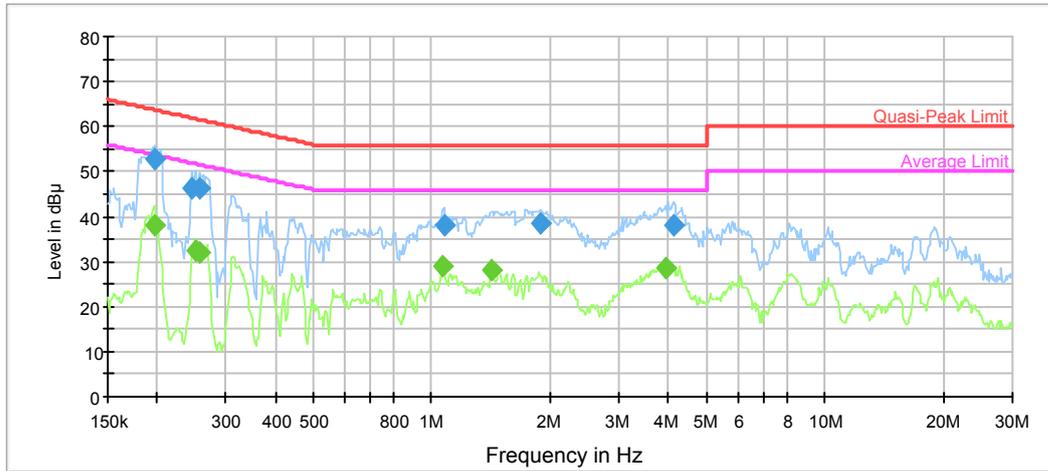
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.436318	45.0	9.000	N	9.9	12.1	57.1
0.649874	44.2	9.000	N	9.8	11.8	56.0
1.875341	42.8	9.000	N	9.7	13.2	56.0
2.518372	44.3	9.000	N	9.8	11.7	56.0
2.662831	43.9	9.000	N	9.8	12.1	56.0
3.302007	42.2	9.000	N	9.8	13.8	56.0

**Final Result 2**

Frequency (MHz)	Average (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.177322	40.0	9.000	N	10.8	14.6	54.6
0.349066	37.1	9.000	N	10.0	11.9	49.0
0.436318	31.8	9.000	N	9.9	15.3	47.1
0.687153	31.6	9.000	N	9.8	14.4	46.0
1.982914	31.3	9.000	N	9.7	14.7	46.0
2.216927	32.2	9.000	N	9.8	13.8	46.0

Model Number: RM500  
 Port: L  
 Test Mode: Downloading  
 Power Source: AC 120V/60Hz



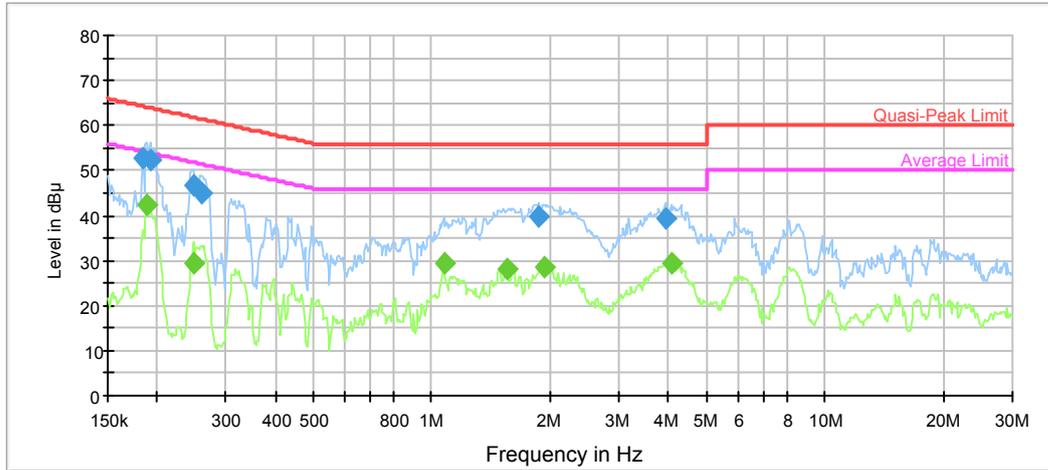
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.198249	52.7	9.000	L1	10.6	11.0	63.7
0.245835	46.1	9.000	L1	10.3	15.8	61.9
0.255827	46.4	9.000	L1	10.3	15.2	61.6
1.073601	38.2	9.000	L1	9.8	17.8	56.0
1.890344	38.6	9.000	L1	9.7	17.4	56.0
4.127365	38.2	9.000	L1	9.8	17.8	56.0

**Final Result 2**

Frequency (MHz)	Average (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.196675	38.1	9.000	L1	10.7	15.6	53.7
0.251783	32.4	9.000	L1	10.3	19.3	51.7
0.255827	31.9	9.000	L1	10.3	19.7	51.6
1.065081	29.0	9.000	L1	9.8	17.0	46.0
1.418932	28.0	9.000	L1	9.7	18.0	46.0
3.934683	28.5	9.000	L1	9.8	17.5	46.0

Model Number: RM500  
 Port: N  
 Test Mode: Downloading  
 Power Source: AC 120V/60Hz



**Final Result 1**

Frequency (MHz)	QuasiPeak (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.184529	52.6	9.000	N	10.8	11.7	64.3
0.192030	52.3	9.000	N	10.7	11.7	63.9
0.247802	46.7	9.000	N	10.3	15.1	61.8
0.259937	44.8	9.000	N	10.3	16.6	61.4
1.875341	40.0	9.000	N	9.7	16.0	56.0
3.934683	39.4	9.000	N	9.8	16.6	56.0

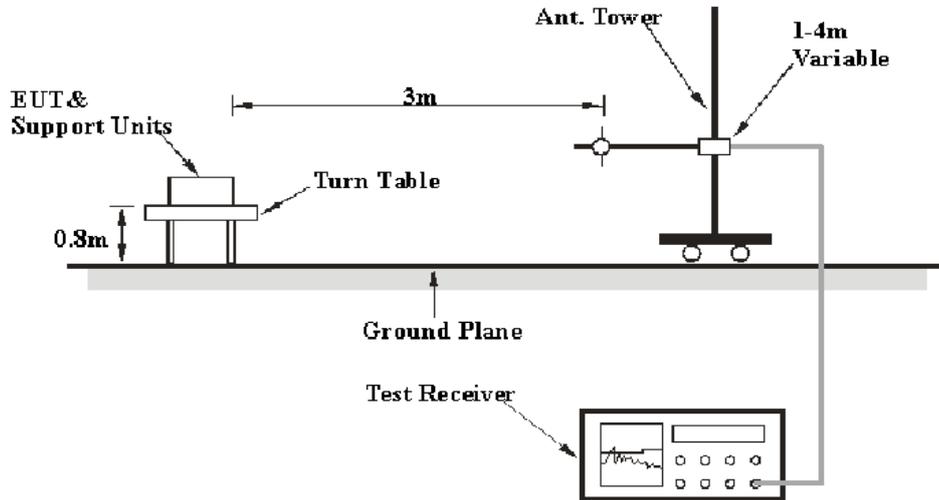
**Final Result 2**

Frequency (MHz)	Average (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.188994	42.2	9.000	N	10.7	11.9	54.1
0.247802	29.3	9.000	N	10.3	22.5	51.8
1.073601	29.5	9.000	N	9.8	16.5	46.0
1.548915	28.1	9.000	N	9.7	17.9	46.0
1.936076	28.6	9.000	N	9.7	17.4	46.0
4.062112	29.5	9.000	N	9.8	16.5	46.0

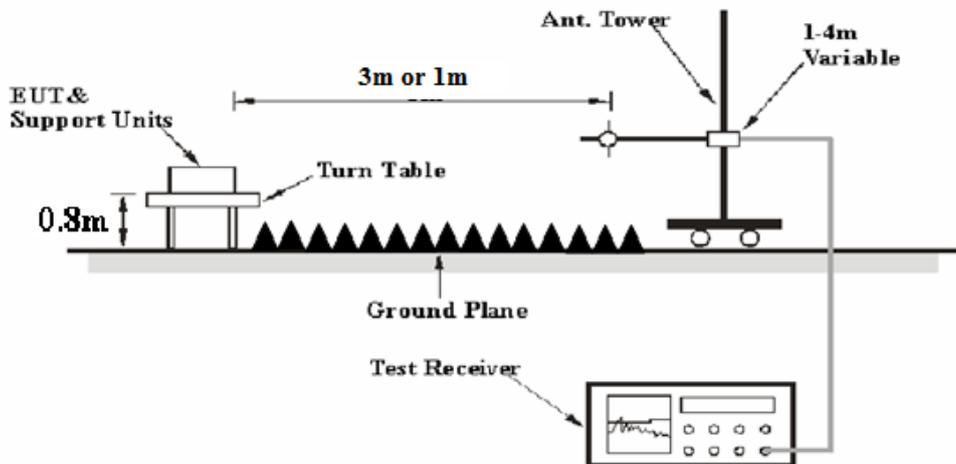
## FCC §15.109 - RADIATED SPURIOUS EMISSIONS

### EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission below 1GHz tests were performed in the 3 meters chamber test site A, above 1GHz tests were performed in the 3 meters chamber test site B, 1GHz-26.5GHz were performed at the 3 m distance and 26.5-40GHz was performed at 1 m distance, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

**EMI Test Receiver Setup**

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10Hz	/	AVG

**Test Procedure**

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

According to C63.4, the above 1G test result shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade from 3m to 1 m

Distance extrapolation factor = 20 log (specific distance [3m]/test distance [1m]) dB= 9.54 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

**Corrected Amplitude & Margin Calculation**

The basic equation is as follows:

Result = Meter Reading+ Corrected

Note:

Corrected = Antenna Factor + Cable Loss - Amplifier Gain

or

Corrected = Antenna Factor + Cable Loss + Insertion loss of attenuator - Amplifier Gain

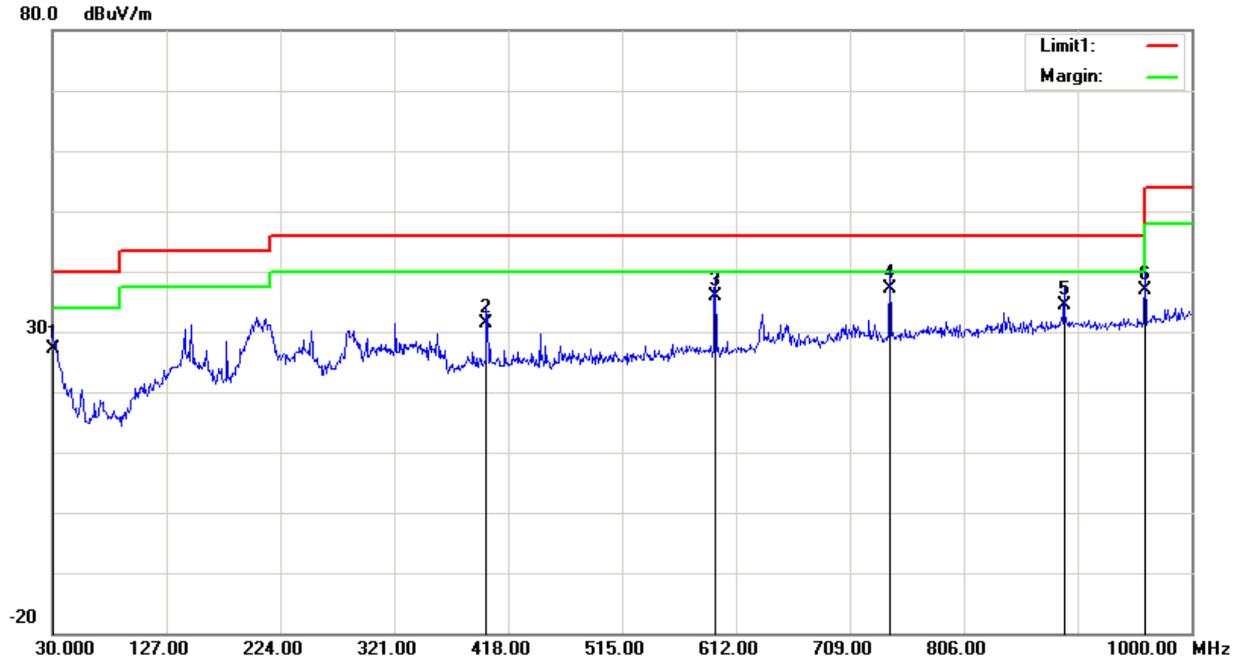
The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Result}$$

**Test Data**

Please refer to following table and plots:

<b>Condition:</b>	<b>FCC Part 15B</b>	<b>Polarization:</b>	<b>Horizontal</b>
<b>EUT:</b>	DJI Smart Controller	<b>Power:</b>	AC 120V/60Hz
<b>Model:</b>	<b>RM500</b>	<b>Distance:</b>	3m
<b>Test Mode:</b>	Charging and Playing		



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	25.55	QP	1.55	27.10	40.00	12.90
2	399.5700	33.31	QP	-2.01	31.30	46.00	14.70
3	594.5400	35.24	QP	0.76	36.00	46.00	10.00
4	742.9500	33.71	QP	3.49	37.20	46.00	8.80
5	891.3600	28.50	QP	5.90	34.40	46.00	11.60
6	960.2300	7.67	QP	29.13	36.80	54.00	17.20

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	37.7600	36.02	QP	-4.22	31.80	40.00	8.20
2	142.5200	36.19	QP	-5.99	30.20	43.50	13.30
3	281.2300	35.31	QP	-4.11	31.20	46.00	14.80
4	594.5400	36.24	QP	0.76	37.00	46.00	9.00
5	742.9500	30.41	QP	3.49	33.90	46.00	12.10
6	891.3600	32.80	QP	5.90	38.70	46.00	7.30

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

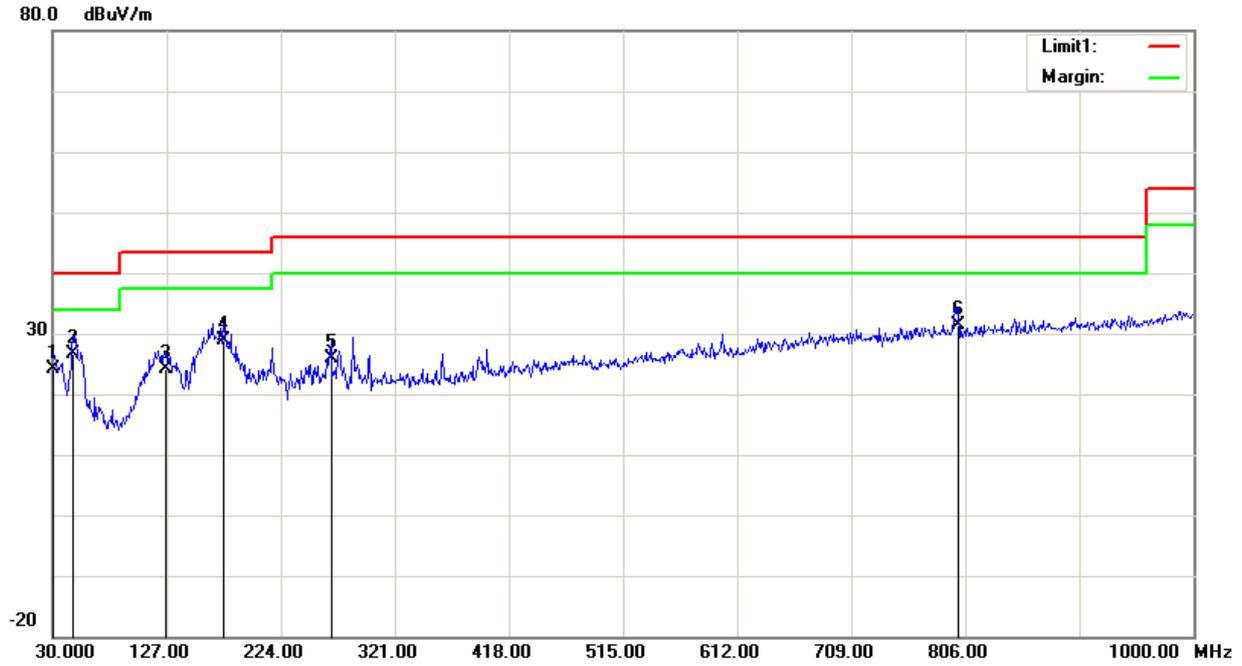
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	30.0000	23.05	QP	1.55	24.60	40.00	15.40
2	49.4000	36.99	QP	-11.09	25.90	40.00	14.10
3	119.2400	38.83	QP	-5.03	33.80	43.50	9.70
4	159.0100	41.87	QP	-5.97	35.90	43.50	7.60
5	283.1700	39.21	QP	-4.11	35.10	46.00	10.90
6	800.1800	30.11	QP	4.59	34.70	46.00	11.30

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

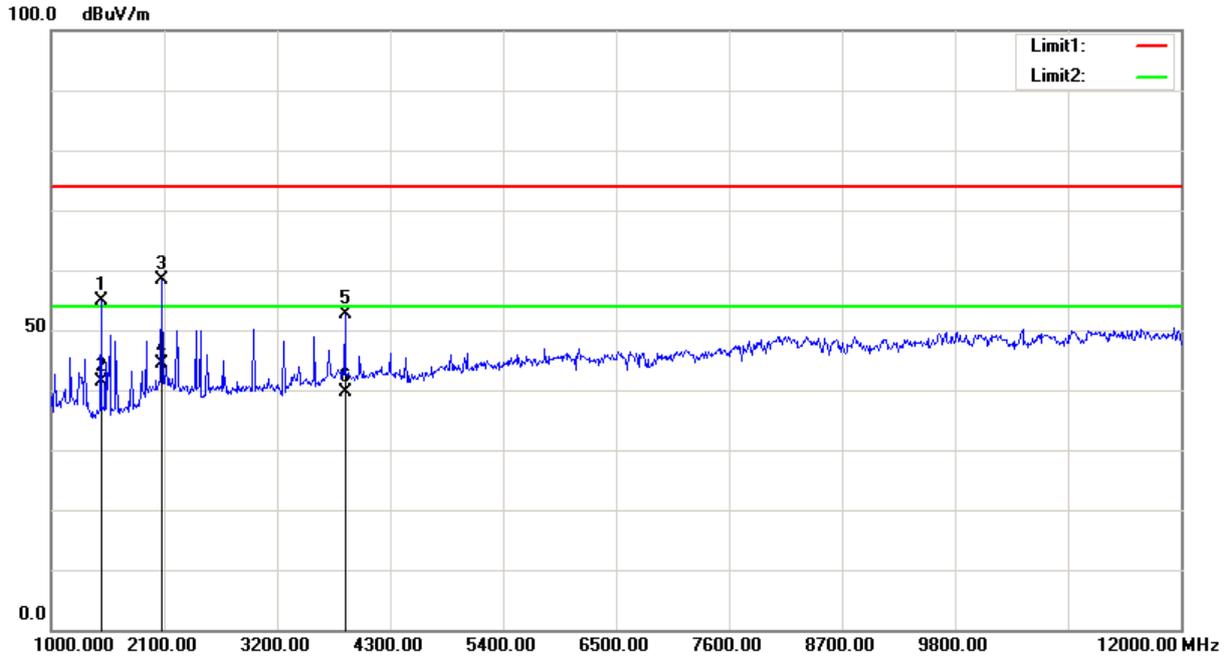
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	30.9700	23.38	QP	0.82	24.20	40.00	15.80
2	47.4600	37.12	QP	-10.42	26.70	40.00	13.30
3	126.0300	28.98	QP	-4.78	24.20	43.50	19.30
4	175.5000	36.03	QP	-7.23	28.80	43.50	14.70
5	266.6800	30.38	QP	-4.48	25.90	46.00	20.10
6	800.1800	26.81	QP	4.59	31.40	46.00	14.60

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

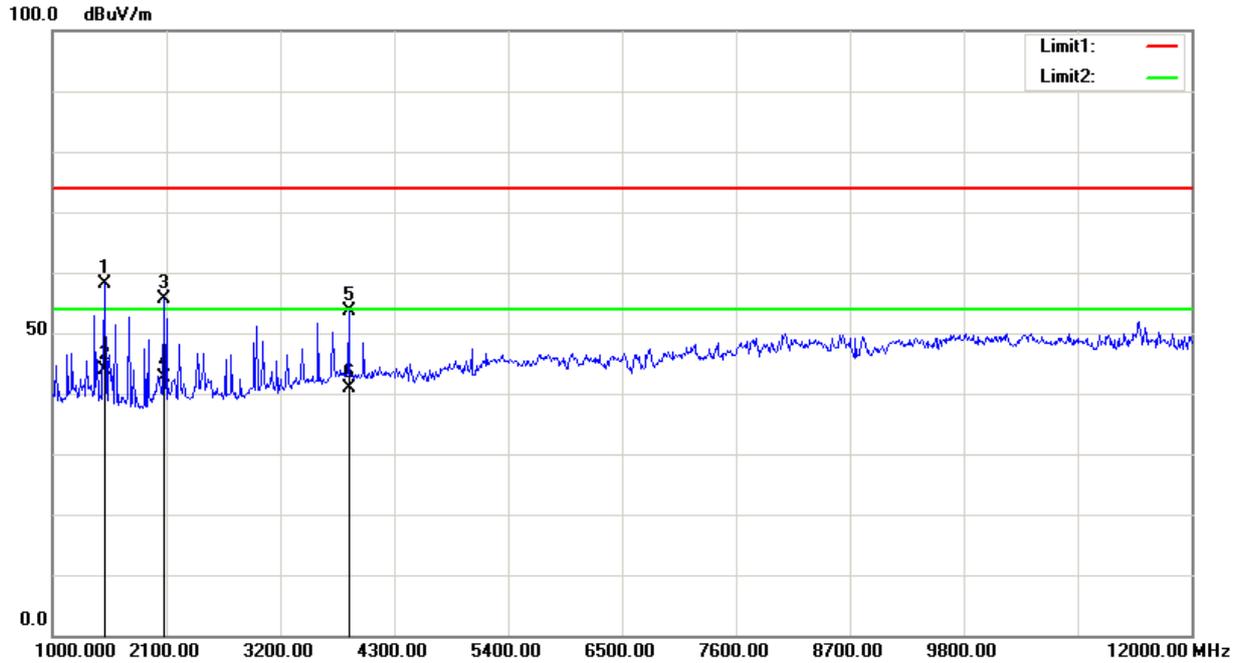
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	1484.000	64.02	peak	-9.18	54.84	74.00	19.16
2	1484.000	50.68	AVG	-9.18	41.50	54.00	12.50
3	2078.000	65.50	peak	-7.06	58.44	74.00	15.56
4	2078.000	51.53	AVG	-7.06	44.47	54.00	9.53
5	3860.000	54.94	peak	-2.33	52.61	74.00	21.39
6	3860.000	41.87	AVG	-2.33	39.54	54.00	14.46

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

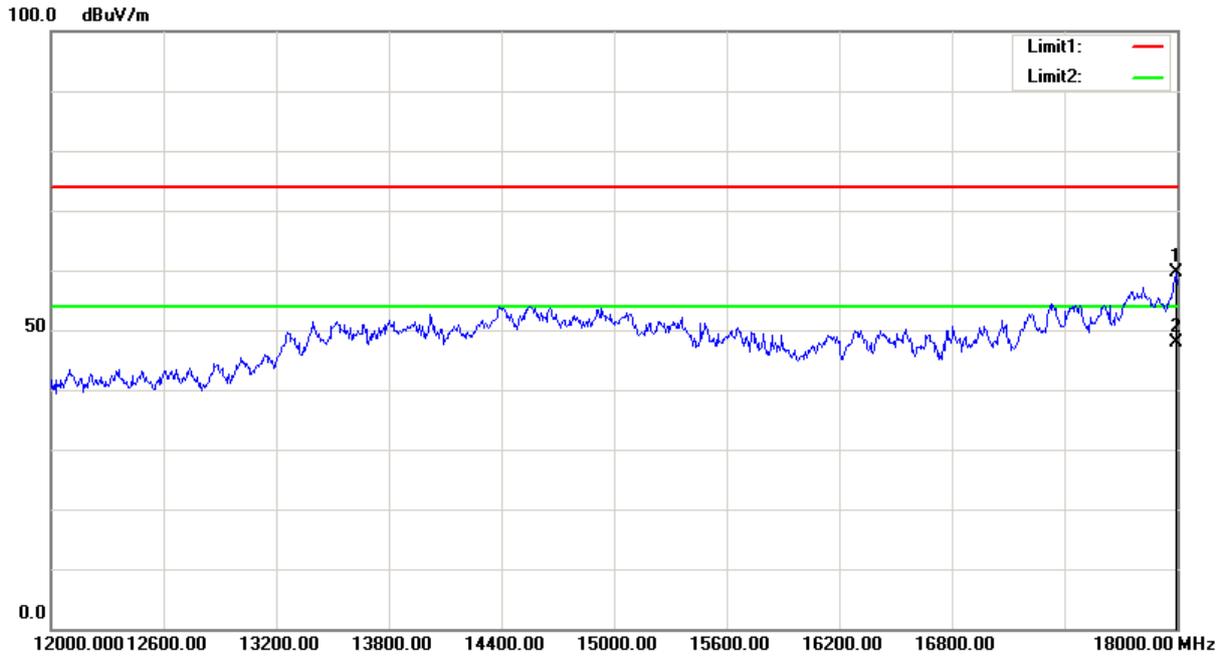
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBµV)	Detector	Corrected dB/m	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1	1511.500	67.26	peak	-9.07	58.19	74.00	15.81
2	1511.500	52.87	AVG	-9.07	43.80	54.00	10.20
3	2078.000	62.77	peak	-7.06	55.71	74.00	18.29
4	2078.000	49.63	AVG	-7.06	42.57	54.00	11.43
5	3860.000	56.00	peak	-2.33	53.67	74.00	20.33
6	3860.000	43.21	AVG	-2.33	40.88	54.00	13.12

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

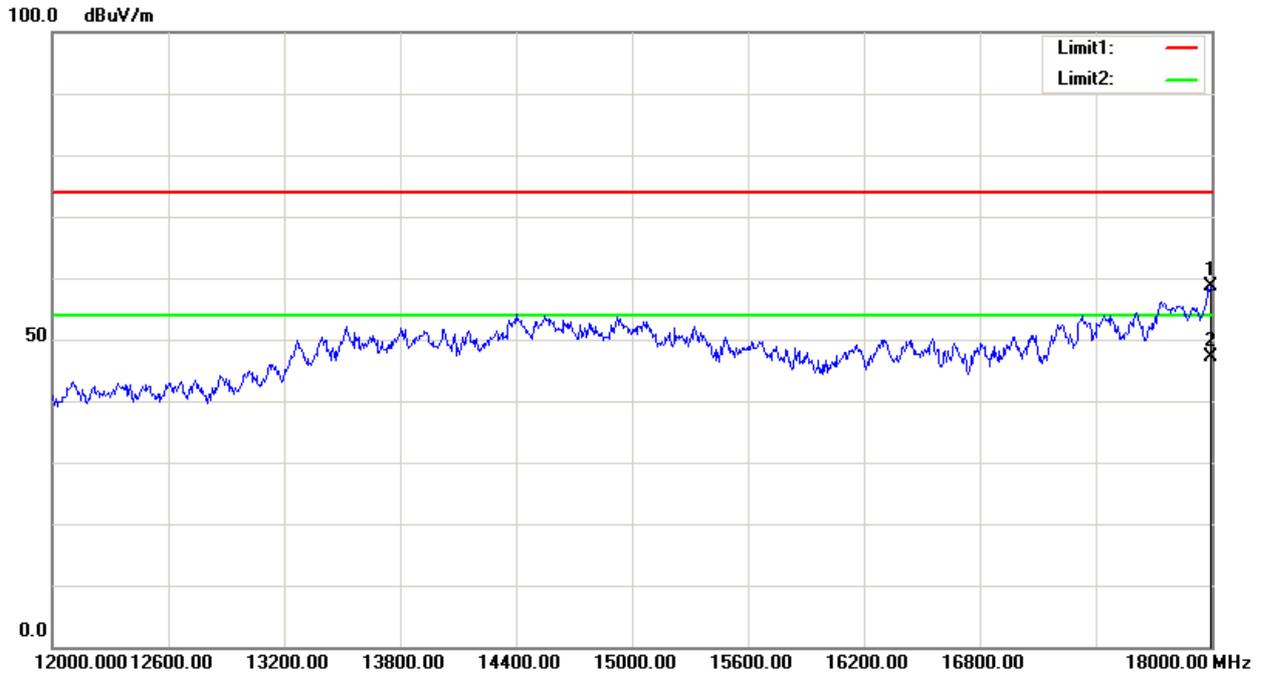
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	17997.000	42.42	peak	17.13	59.55	74.00	14.45
2	17997.000	30.63	AVG	17.13	47.76	54.00	6.24

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

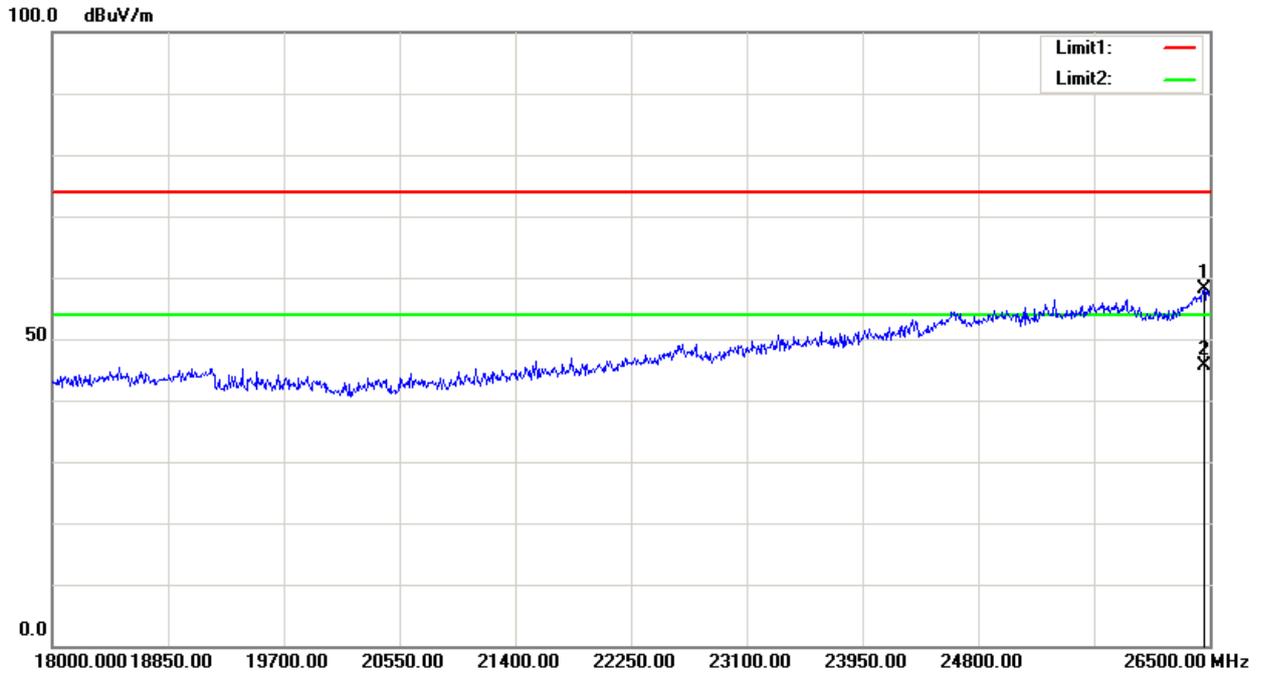
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	17994.000	41.44	peak	17.10	58.54	74.00	15.46
2	17994.000	30.08	AVG	17.10	47.18	54.00	6.82

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

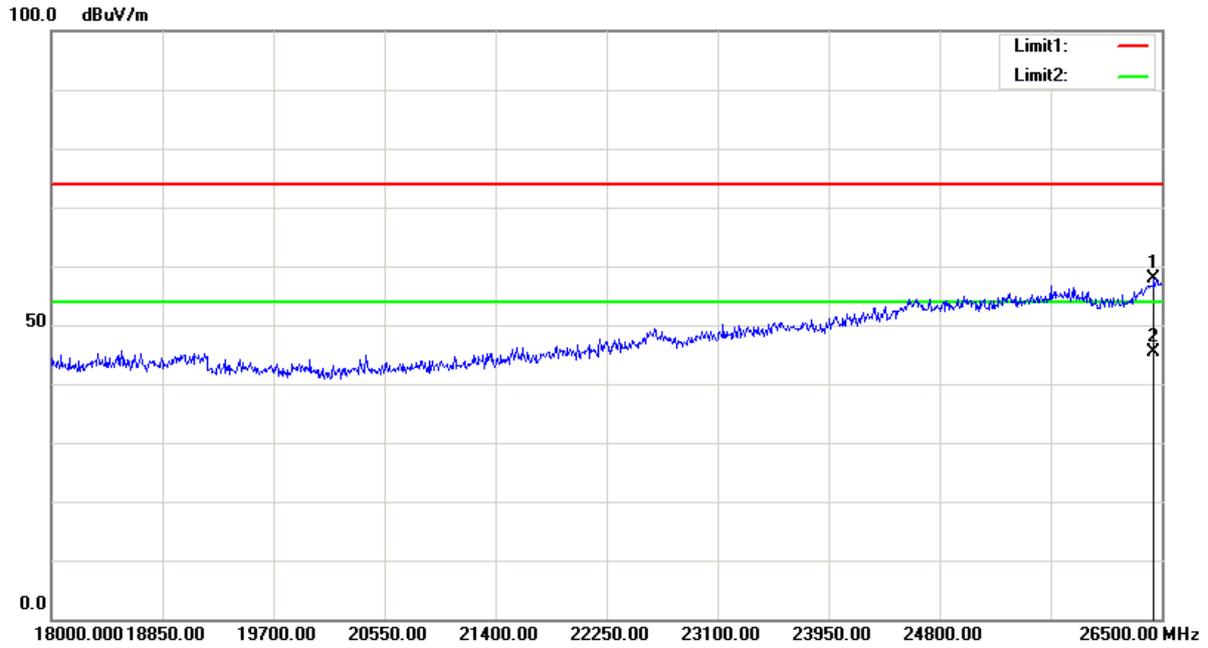
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	26461.750	36.43	peak	21.67	58.10	74.00	15.90
2	26461.750	23.87	AVG	21.67	45.54	54.00	8.46

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

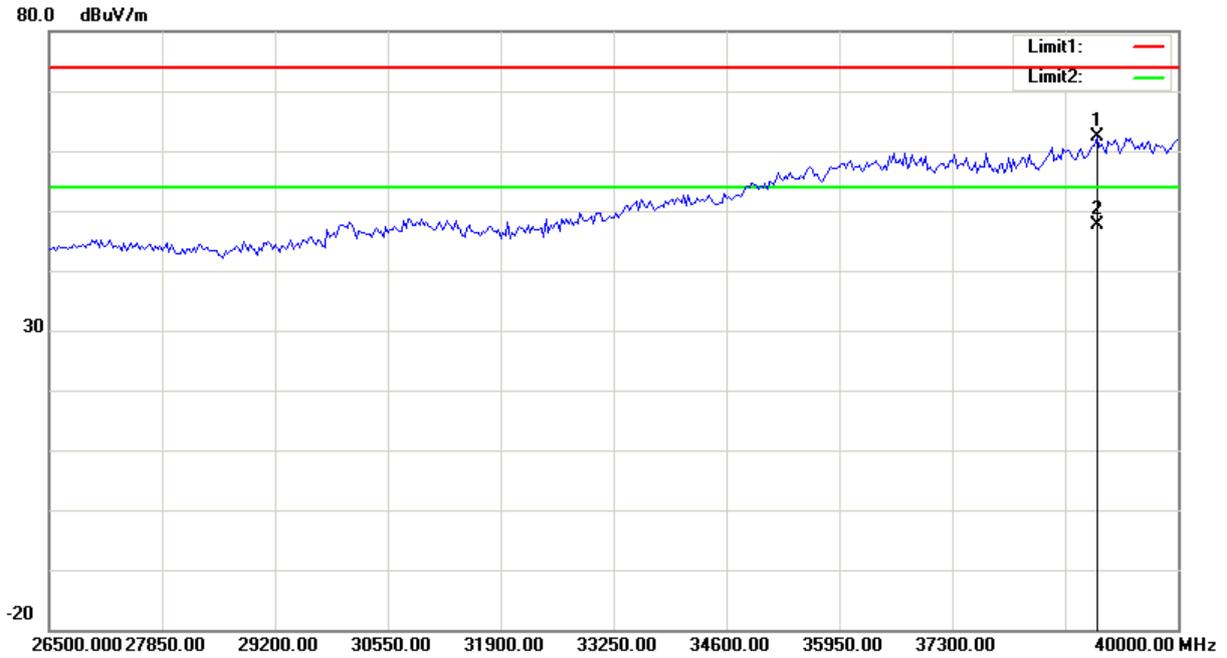
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	26440.500	36.40	peak	21.58	57.98	74.00	16.02
2	26440.500	23.72	AVG	21.58	45.30	54.00	8.70

**Condition:** FCC Part15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

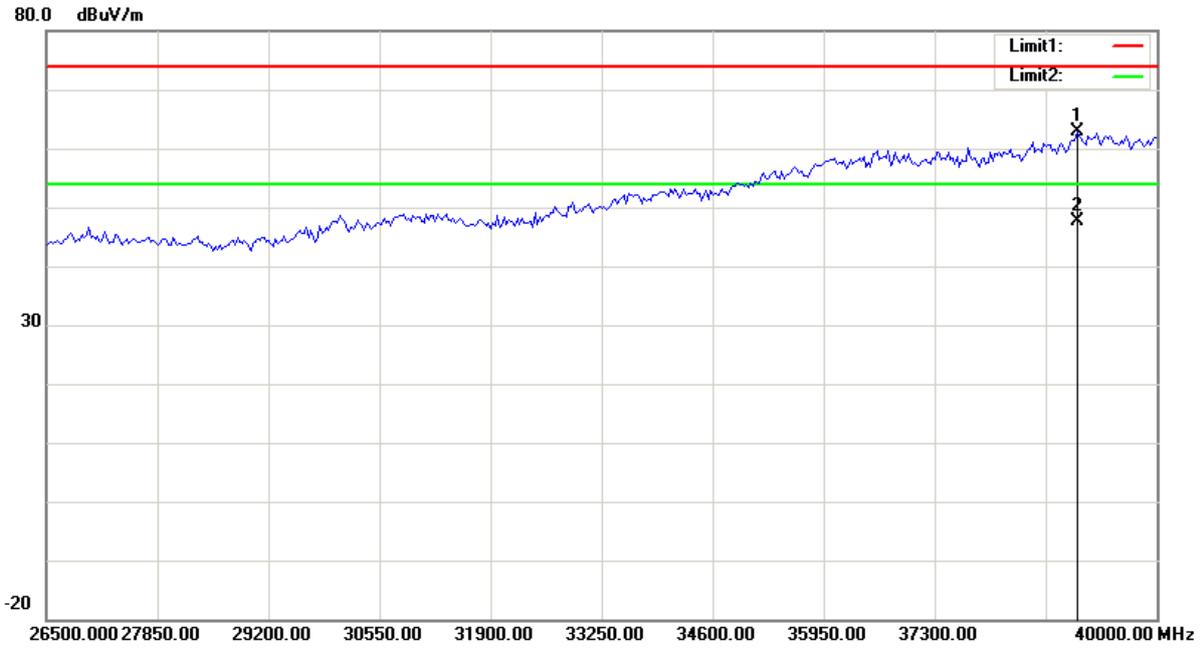
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 1m



No.	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1	39028.000	46.17	peak	16.16	62.33	74.00	11.67
2	39028.000	31.54	AVG	16.16	47.70	54.00	6.30

**Condition:** FCC Part15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Charging and Playing

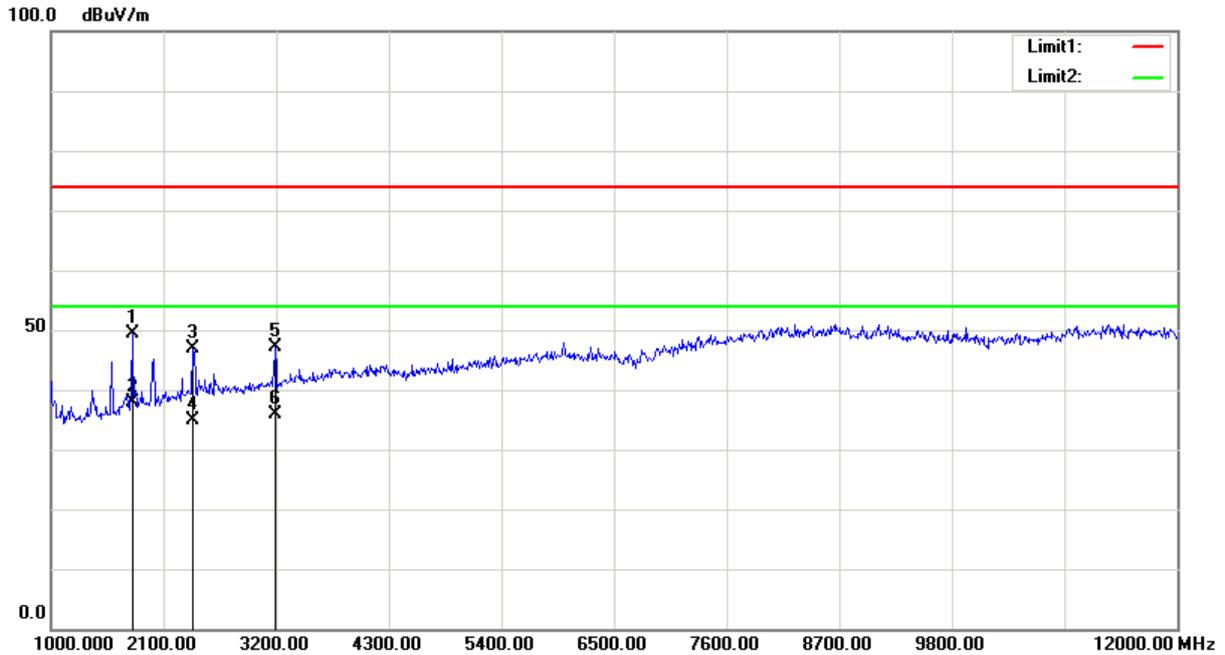
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 1m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	39028.000	46.67	peak	16.16	62.83	74.00	11.17
2	39028.000	31.52	AVG	16.16	47.68	54.00	6.32

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

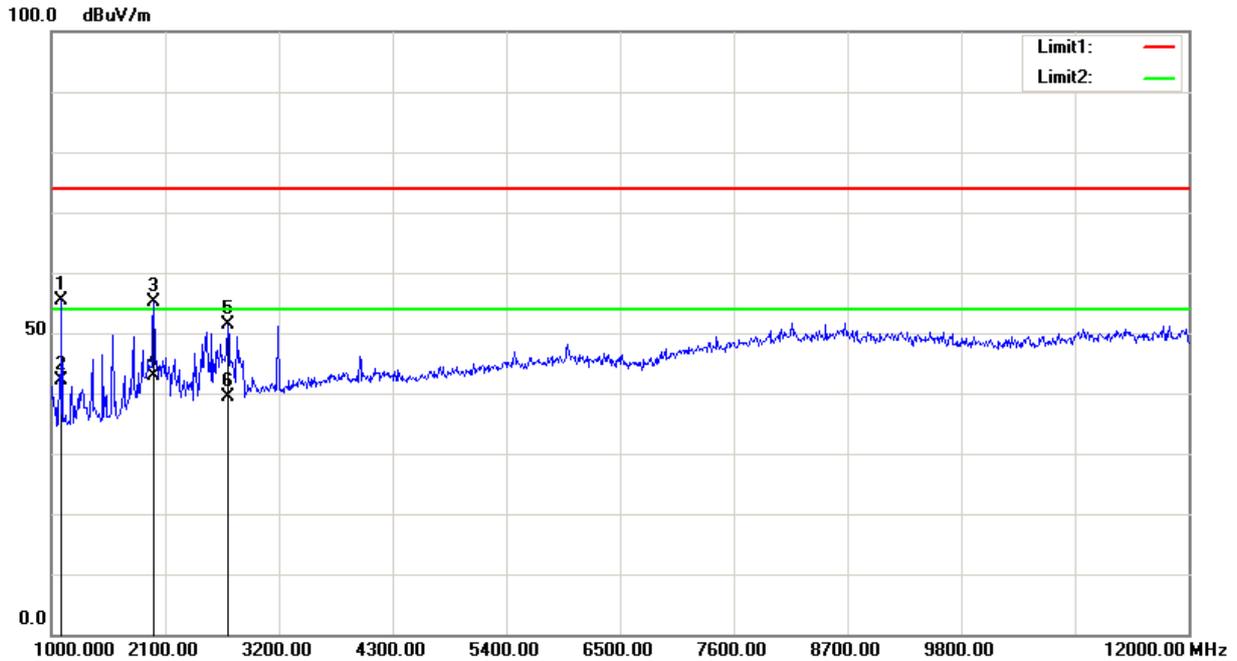
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	1792.000	57.18	peak	-7.82	49.36	74.00	24.64
2	1792.000	45.63	AVG	-7.82	37.81	54.00	16.19
3	2391.500	53.44	peak	-6.54	46.90	74.00	27.10
4	2391.500	41.52	AVG	-6.54	34.98	54.00	19.02
5	3194.500	51.46	peak	-4.22	47.24	74.00	26.76
6	3194.500	40.21	AVG	-4.22	35.99	54.00	18.01

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

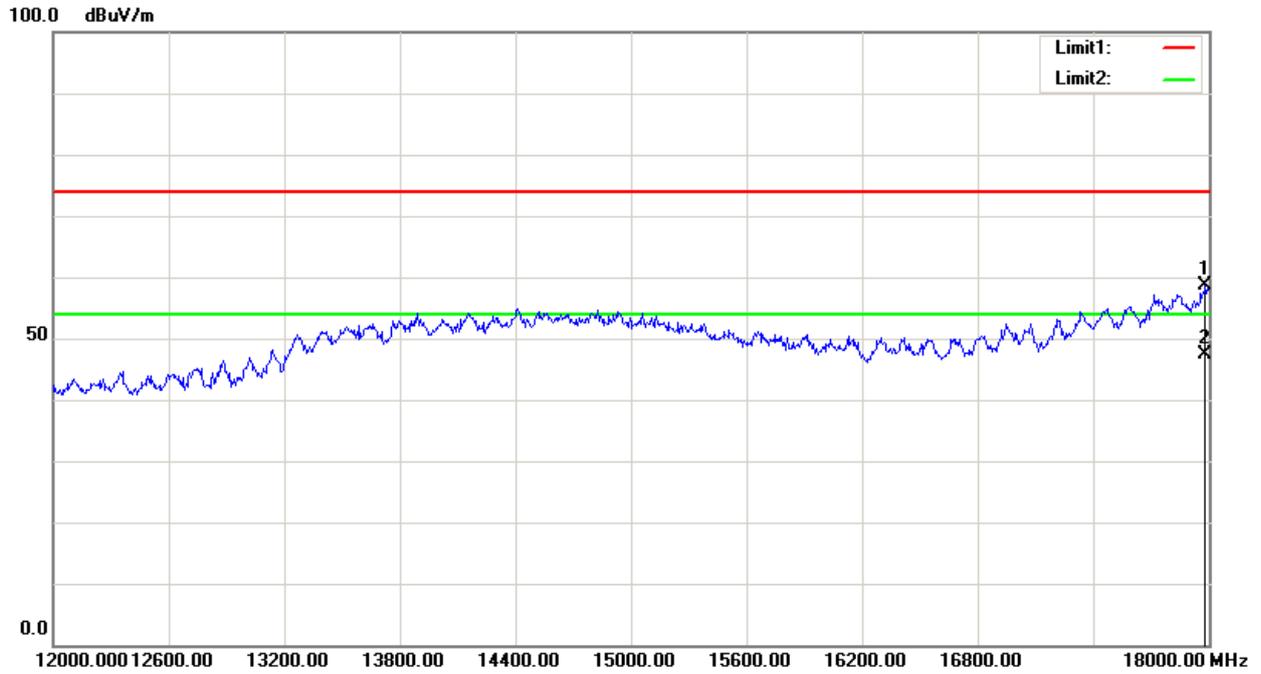
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	1099.000	65.62	peak	-10.29	55.33	74.00	18.67
2	1099.000	52.54	AVG	-10.29	42.25	54.00	11.75
3	1995.500	62.43	peak	-7.19	55.24	74.00	18.76
4	1995.500	50.16	AVG	-7.19	42.97	54.00	11.03
5	2710.500	56.93	peak	-5.53	51.40	74.00	22.60
6	2710.500	44.87	AVG	-5.53	39.34	54.00	14.66

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

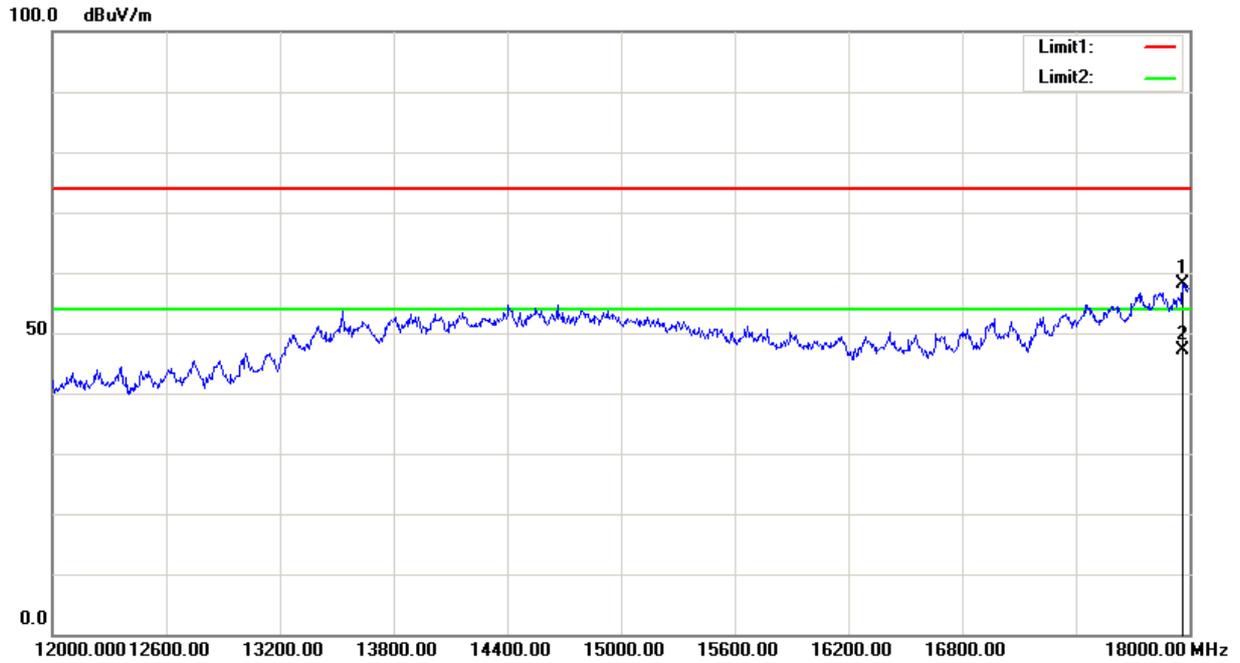
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	17982.000	41.69	peak	17.02	58.71	74.00	15.29
2	17982.000	30.24	AVG	17.02	47.26	54.00	6.74

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

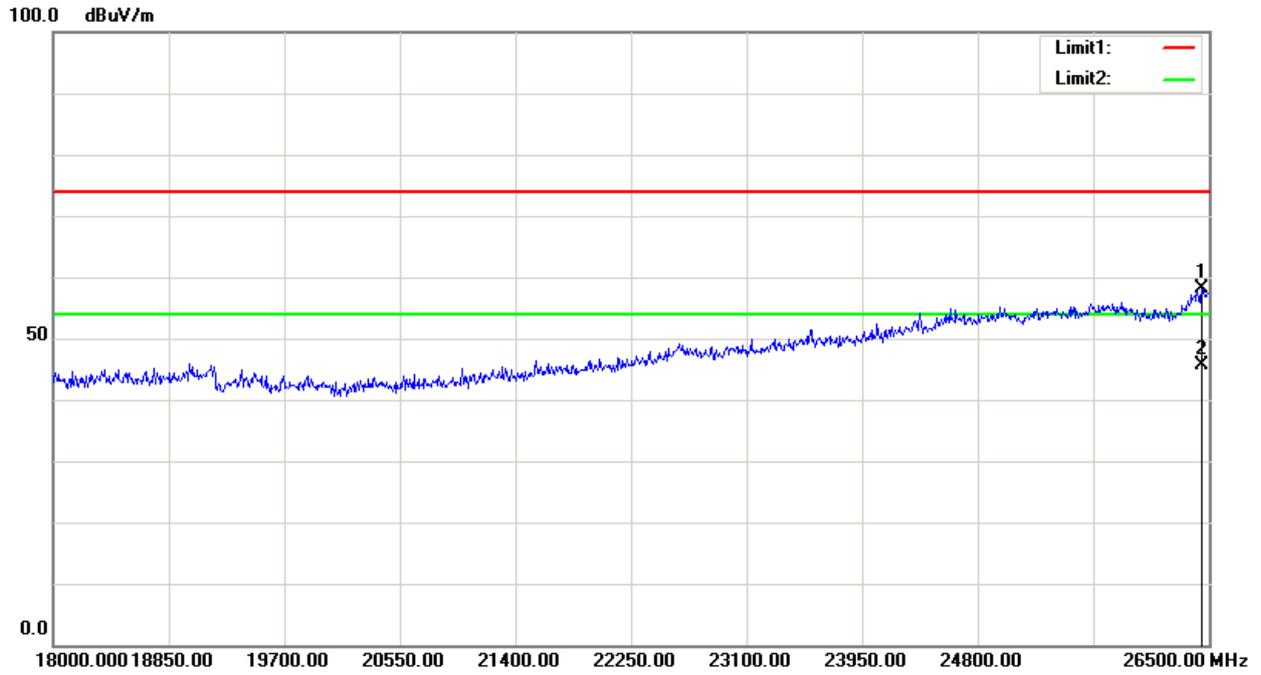
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	17964.000	41.19	peak	16.89	58.08	74.00	15.92
2	17964.000	30.35	AVG	16.89	47.24	54.00	6.76

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

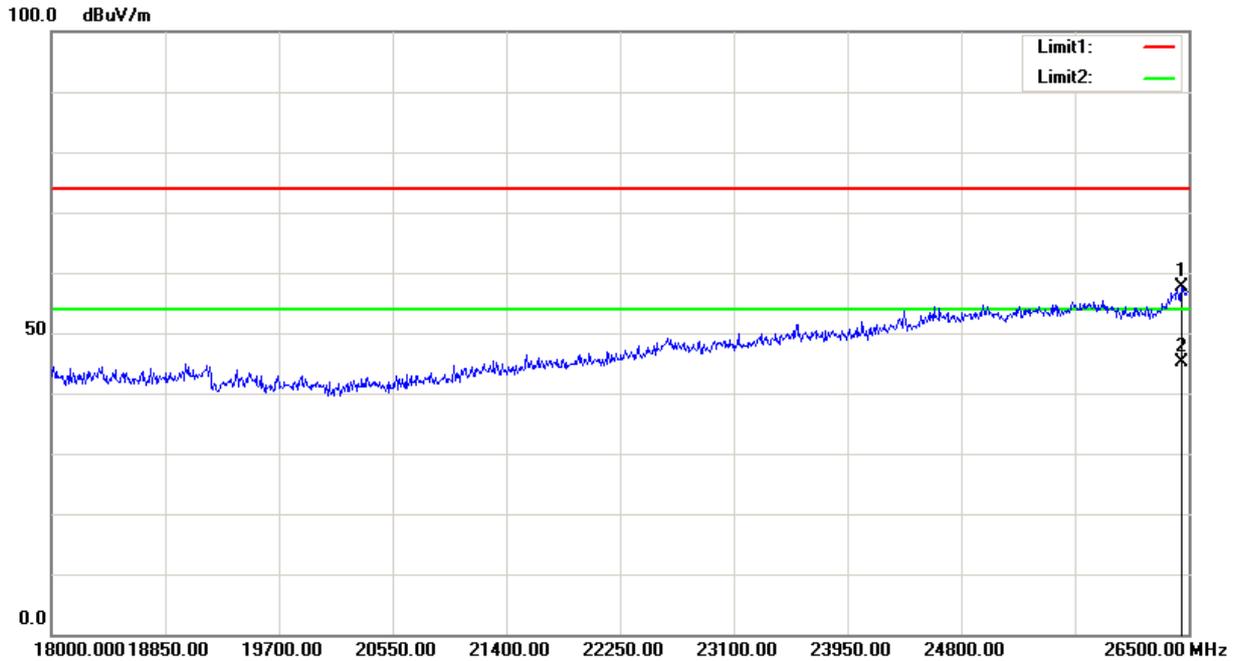
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	26453.250	36.50	peak	21.64	58.14	74.00	15.86
2	26453.250	23.88	AVG	21.64	45.52	54.00	8.48

**Condition:** FCC Part 15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

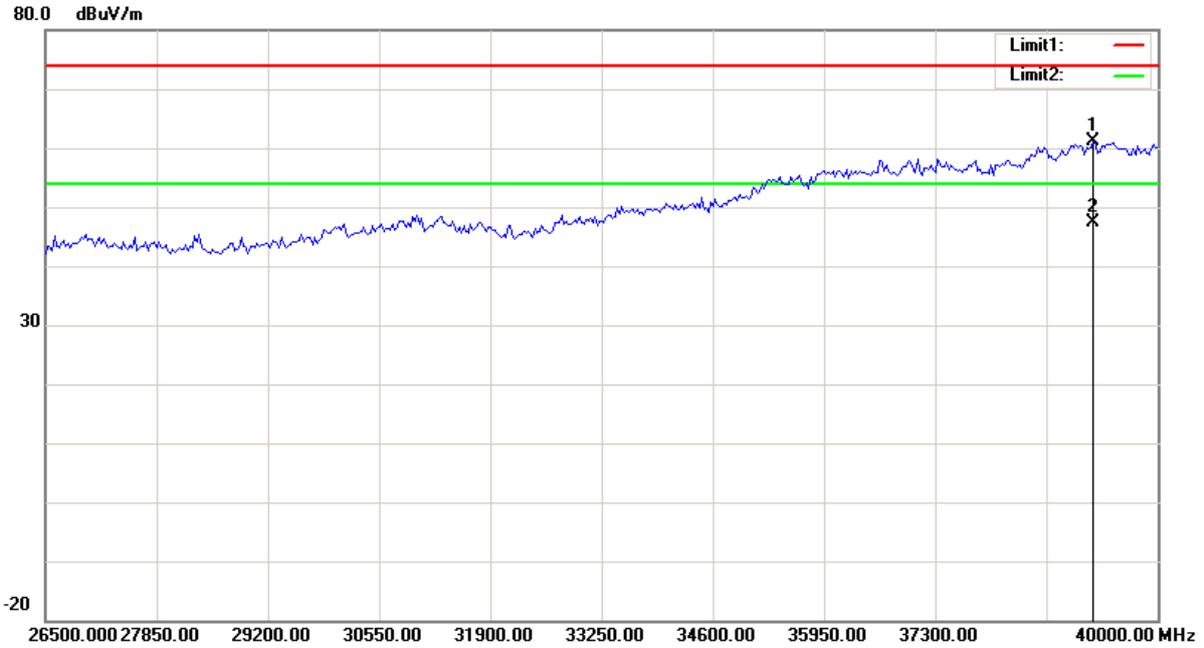
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	26453.250	36.00	peak	21.64	57.64	74.00	16.36
2	26453.250	23.55	AVG	21.64	45.19	54.00	8.81

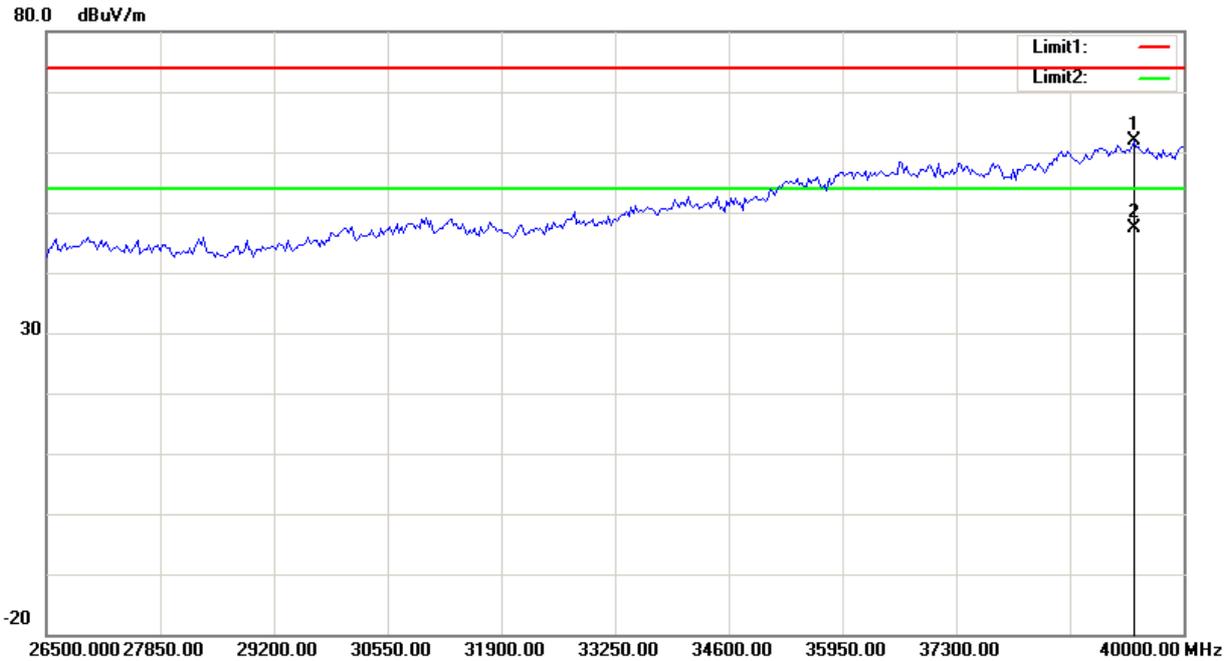
**Condition:** FCC Part15B  
**EUT:** DJI Smart Controller  
**Model:** RM500  
**Test Mode:** Downloading

**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 1m



No.	Frequency (MHz)	Reading (dBµV)	Detector	Corrected dB/m	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1	39217.000	45.09	peak	15.94	61.03	74.00	12.97
2	39217.000	31.45	AVG	15.94	47.39	54.00	6.61

<b>Condition:</b>	<b>FCC Part15B</b>	<b>Polarization:</b>	<b>Vertical</b>
<b>EUT:</b>	DJI Smart Controller	<b>Power:</b>	AC 120V/60Hz
<b>Model:</b>	RM500	<b>Distance:</b>	1m
<b>Test Mode:</b>	Downloading		



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	39406.000	45.86	peak	15.99	61.85	74.00	12.15
2	39406.000	31.28	AVG	15.99	47.27	54.00	6.73

\*\*\*\*END OF REPORT\*\*\*\*