

Prüfbericht-Nr.: <i>Test report no.:</i>	CN254ID2 003	Auftrags-Nr.: <i>Order no.:</i>	168530962	Seite 1 von 27 Page 1 of 27
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2025-01-15	
Auftraggeber: <i>Client:</i>	SZ DJI Osmo Technology Co., Ltd. Room S11, Floor 23, Tower 1, DJI Sky City, No. 55 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.			
Prüfgegenstand: <i>Test item:</i>	DJI Mic 3 Transmitter			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	DMT03 (Trademark: DJI)			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.407 RSS-247 Issue 3 August 2023 RSS-Gen Issue 5 February 2021			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-01-22	Please refer to photo documents		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003910619-005~008, 011			
Prüfzeitraum: <i>Testing period:</i>	2025-01-16 - 2025-04-11			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	Hardy <i>X Hardy</i>		genehmigt von: <i>authorized by:</i>	Lin Lin <i>X Lin Lin</i>
Datum: <i>Date:</i>	2025-04-16		Ausstellungsdatum: <i>Issue date:</i>	2025-04-16
Stellung / Position:	Sachverständige(r) / Expert		Stellung / Position:	Sachverständige(r) / Expert
Sonstiges / Other:	FCC ID: 2ANDR-DMT03, IC: 23060-DMT03, HVIN: DMT03 This report is for 5.2GHz SDR, 5.3GHz SDR, 5.6GHz SDR, 5.8GHz SDR and 5.8GHz Wi-Fi.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet			
* Legend:	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested			
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the 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>				

Prüfbericht-Nr.: CN254ID2 003
Test report no.:

Seite 2 von 27
Page 2 of 27

Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system.</i> <i>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
2	Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature <i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i>
3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Prüfbericht - Nr.: CN254ID2 003
Test Report No.

Seite 3 von 27
Page 3 of 27

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM OUTPUT POWER

RESULT: Pass

5.1.3 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 FREQUENCY STABILITY

RESULT: Pass

5.1.5 26dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.6 6dB BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 DYNAMIC FREQUENCY SELECTION (DFS)

RESULT: Pass

5.1.9 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

TABLE OF CONTENTS

1.	GENERAL REMARKS.....	5
1.1	COMPLEMENTARY MATERIALS	5
2.	TEST SITES	6
2.1	TEST FACILITIES.....	6
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	6
2.3	TRACEABILITY	7
2.4	CALIBRATION	7
2.5	UNCERTAINTY OF MEASUREMENT	7
2.6	LOCATION OF ORIGINAL DATA.....	7
2.7	STATUS OF FACILITY USED FOR TESTING.....	8
3.	GENERAL PRODUCT INFORMATION.....	9
3.1	PRODUCT FUNCTION AND INTENDED USE.....	9
3.2	RATINGS AND SYSTEM DETAILS.....	9
3.3	INDEPENDENT OPERATION MODES	12
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	12
3.5	SUBMITTED DOCUMENTS.....	12
4.	TEST SET-UP AND OPERATION MODES.....	13
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	13
4.2	TEST OPERATION.....	13
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT.....	13
4.4	COUNTERMEASURES TO ACHIEVE ERM COMPLIANCE.....	13
4.5	TEST SETUP DIAGRAM	14
5.	TEST RESULTS.....	16
5.1	RADIO TEST REQUIREMENT & TEST SUITES (5GHz BANDS).....	16
5.1.1	<i>Antenna Requirement.....</i>	<i>16</i>
5.1.2	<i>Maximum output power.....</i>	<i>17</i>
5.1.3	<i>Power Spectral Density.....</i>	<i>20</i>
5.1.4	<i>Frequency Stability.....</i>	<i>21</i>
5.1.5	<i>26dB Bandwidth and 99% Bandwidth</i>	<i>22</i>
5.1.6	<i>6dB Bandwidth.....</i>	<i>23</i>
5.1.7	<i>Radiated Spurious Emission</i>	<i>24</i>
5.1.8	<i>Dynamic Frequency Selection (DFS)</i>	<i>25</i>
5.1.9	<i>Conducted Emission on AC Mains.....</i>	<i>26</i>
6.	LIST OF TABLES	27

1. General Remarks

1.1 Complementary Materials

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

Appendix A: Test Results of 5.2G, 5.3G, 5.6G, 5.8GHz SDR

Appendix B: Test Results of 5.8GHz Wi-Fi

Appendix C: Photographs of the Test Set-up

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

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

A2LA Certificate Number: 5162.01

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date (DD.MM.YYYY)	Cal. until (DD.MM.YYYY)
9039436	EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	26.09.2024	25.09.2025
9039437	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	26.09.2024	25.09.2025
9039438	EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	26.09.2024	25.09.2025
9039439	DC Power Supply	Keysight	E3642A	MY61276100	26.09.2024	25.09.2025
9039440	Wireless Connectivity Tester	R&S	CMW270	102505	26.09.2024	25.09.2025
9039441	Power Control Unit	Tonscend	JS0806-4ADC	N/A	26.09.2024	25.09.2025
9039442	Automation Control Unit	Tonscend	JS0806-2	21C8060396	26.09.2024	25.09.2025
9039443	Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
9039444	Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
G1826483	Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	25.02.2025	24.02.2026
Unwanted Emission Testing (TS9975)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date (DD.MM.YYYY)	Cal. until (DD.MM.YYYY)
G1826021	EMI Test Receiver	R&S	ESR 7	102021	29.09.2024	28.09.2025
G1826023	Signal Analyzer	R&S	FSV 40	101439	29.09.2024	28.09.2025
G1826024	System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
G1826025	Filterbank	R&S	Wlan	100759	29.09.2024	28.09.2025
G1826026	OSP	R&S	OSP 120	102040	N/A	N/A
G1826028	Pre-amplifier	R&S	SCU08F1	08320031	29.09.2024	28.09.2025
G1826029	Amplifier	R&S	SCU-18F	180070	29.09.2024	28.09.2025
G1826030	Amplifier	R&S	SCU40A	100475	29.09.2024	28.09.2025
G1826031	Trilog Broadband	Schwarzbeck	VULB 9162	193	28.09.2024	27.09.2026

Prüfbericht - Nr.: CN254ID2 003
Test Report No.
Seite 7 von 27
Page 7 of 27

	Antenna (30 MHz - 7 GHz)					
G1826032	Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	28.09.2024	27.09.2026
G1826033	Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	28.09.2024	27.09.2026
G1826034	Active Loop Antenna	Schwarzbeck	FMZB 1513	302	28.09.2024	27.09.2026
G1826036	Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
G1826037	Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
G1826433	3m Semi- Anechoic Chamber	Albatross	SAC-3m	APC17151- SAC	14.09.2024	13.09.2027

Conducted Emission on AC Mains				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	2026-02-09
Artificial Mains Network	R&S	ENV216	102333	2025-07-22
LISN ENV216-Receiver cable in SR3	Calibration frequency range: 9 kHz~30 MHz			2025-12-20
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Measurement Uncertainty

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

2.6 Location of Original Data

Prüfbericht - Nr.: CN254ID2 003
Test Report No.

Seite 8 von 27
Page 8 of 27

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

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The Product is a DJI Mic 3 Transmitter which supports Bluetooth dual mode, 2.4/5GHz SDR and 2.4/5.8GHz Wi-Fi functions.

*Remark: SDR means specific defined radio and cannot changes radio specification via software/firmware by end-users.

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

For details refer to user manual and circuit diagram.

3.2 Ratings and System Details

Table 3: Technical Specification

General Information of EUT	Value
Kind of Equipment:	DJI Mic 3 Transmitter
Type Designation:	DMT03
Trademark:	DJI
FCC ID:	2ANDR-DMT03
IC:	23060-DMT03
HVIN:	DMT03
Operating Voltage:	3.87V DC by built-in battery, or Charging by Charging Contacts DC 5V, or Charging by Charging Case (MN: DMC03) DC 5V
Testing Voltage:	Fully charged battery
Operating Temperature Range:	-10 °C ~ +45 °C
Radiofrequency operating mode:	1) Bluetooth: operating within 2400-2483.5MHz, Classic Bluetooth (BR&EDR), Bluetooth BLE (1Mbps&2Mbps&3Mbps) 2) 2.4GHz SDR: operating within 2400-2483.5MHz, supports 10MHz and 20MHz Bandwidth 3) 2.4GHz Wi-Fi: operating within 2400-2483.5MHz, supports 802.11b/g/n20/ax20 4) 5GHz SDR: operating within 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5875MHz supports 10MHz and 20MHz Bandwidth 5) 5.8GHz Wi-Fi: operating within 5725-5875MHzMHz, supports 802.11a/n20/ac20/ax20
Technical Specification of 5.2GHz&5.3GHz&5.6GHz&5.8GHz SDR	
Operating Frequency:	5176-5236MHz for 5.2GHz SDR 10MHz Bandwidth 5181-5241MHz for 5.2GHz SDR 20MHz Bandwidth 5256-5326MHz for 5.3GHz SDR 10MHz Bandwidth 5261-5321MHz for 5.3GHz SDR 20MHz Bandwidth 5496-5706MHz for 5.6GHz SDR 10MHz Bandwidth 5500-5700MHz for 5.6GHz SDR 20MHz Bandwidth 5741-5821MHz for 5.8GHz SDR 10MHz Bandwidth 5746-5826MHz for 5.8GHz SDR 20MHz Bandwidth

Type of Modulation:	OFDM(BPSK/QPSK/16QAM/64QAM)
Channel Number:	5150-5250MHz: 7 channels@10MHz BW; 4 channels@20MHz 5250-5350MHz: 8 channels@10MHz BW; 4 channels@20MHz 5470-5725MHz: 22 channels@10MHz BW; 11 channels@20MHz 5725-5850MHz: 9 channels@10MHz BW; 5 channels@20MHz
Channel Separation:	10MHz and 20MHz
Type of Product	Client Device without Radar Detection
TX Power Control (TPC)	Supported
Antenna Type:	Integral Antenna
Antenna Number:	1
Antenna Gain:	5150-5250MHz: 0.44 dBi 5250-5350MHz: 0.45 dBi 5470-5725MHz: 0.80 dBi 5725-5850MHz: 0.88 dBi (Provided by the Client)
The type of wideband data transmission equipment:	Non-FHSS
Technical Specification of 5.8GHz Wi-Fi	
Operating Frequency	5745–5825MHz for 802.11 a/n20/ac20/ax20
Type of Modulation	OFDM (QPSK, 16QAM, 64QAM)
Channel Number	5 channels
Channel Separation	20MHz
Multi-RU	No, full RU only
Antenna Type	Integral Antenna
Antenna Number	1
Antenna Gain	0.88 dBi (Provided by the Client)
The type of wideband data transmission equipment	Non-FHSS
Remark: 5.2GHz&5.3GHz&5.6GHz&5.8GHz SDR and 5.8GHz Wi-Fi share the same transmitter antenna.	

Table 4: RF Channel and Frequency of 5.2/5.3/5.6/5.8GHz SDR

5.2GHz SDR, 10MHz Bandwidth (5150MHz-5250MHz)		5.2GHz SDR, 20MHz Bandwidth (5150MHz-5250MHz)
Channel	Frequency	Frequency
	(MHz)	(MHz)
1	5176	5181
2	5186	5201
3	5196	5221
4	5206	5241
5	5216	
6	5226	
7	5236	

5.3GHz, SDR 10MHz Bandwidth (5250MHz-5350MHz)		5.3GHz SDR 20MHz Bandwidth (5250MHz-5350MHz)
Channel	Frequency	Frequency
	(MHz)	(MHz)
1	5256	5261
2	5266	5281
3	5276	5301
4	5286	5321
5	5296	
6	5306	
7	5316	
8	5326	

5.6GHz SDR, 10MHz Bandwidth (5470MHz-5725MHz)		5.6GHz SDR, 20MHz Bandwidth (5470MHz-5725MHz)
Channel	Frequency	Frequency
	(MHz)	(MHz)
1	5496	5500
2	5506	5520
3	5516	5540
4	5526	5560
5	5536	5580
6	5546	5600
7	5556	5620
8	5566	5640
9	5576	5660
10	5586	5680
11	5596	5700
12	5606	
13	5616	
14	5626	
15	5636	
16	5646	
17	5656	
18	5666	
19	5676	
20	5686	
21	5696	
22	5706	

5.8GHz SDR, 10MHz Bandwidth (5725MHz-5850MHz)		5.8GHz SDR, 20MHz Bandwidth (5725MHz-5850MHz)
Channel	Frequency	Frequency
	(MHz)	(MHz)
1	5741	5746
2	5751	5766
3	5761	5786
4	5771	5806
5	5781	5826
6	5791	
7	5801	
8	5811	
9	5821	

Table 5: RF Channel and Frequency of 5.8GHz Wi-Fi

20MHz Bandwidth	
Channel	Frequency (MHz)
149	5745
153	5765
157	5785
161	5805
165	5825

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, 5.2/5.3/5.6/5.8GHz SDR wireless transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, 5.8GHz Wi-Fi wireless transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Application Form
- Circuit Diagram
- Instruction Manual
- Photo Documents
- Technical Description
- Bill of Material
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

4.2 Test Operation

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014.

According to clause 3.1, all tests were performed on model DMT03 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T480	PF-16A6N8	N/A
DJI Mic 3 Receiver	DJI	DMR03	N/A	N/A

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

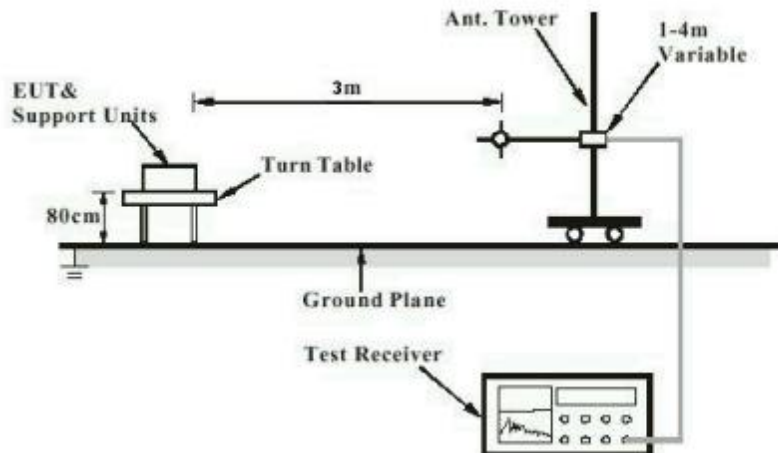


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

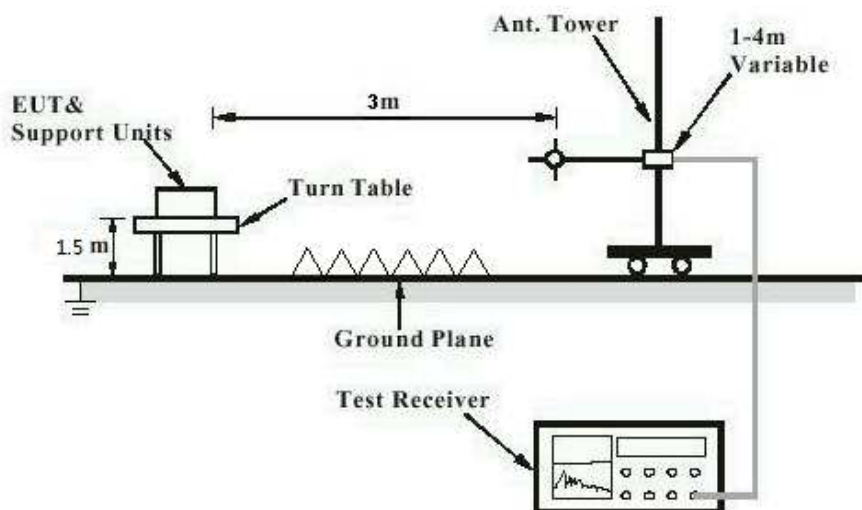


Diagram of Measurement Configuration for Mains Conduction Measurement

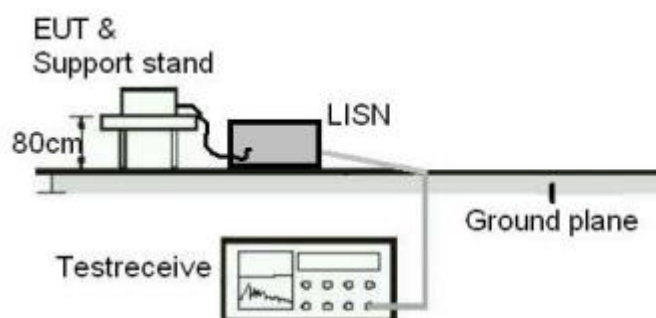


Diagram of Measurement Configuration for Conducted Transmitter Measurement

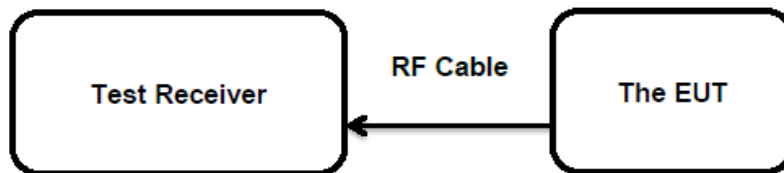
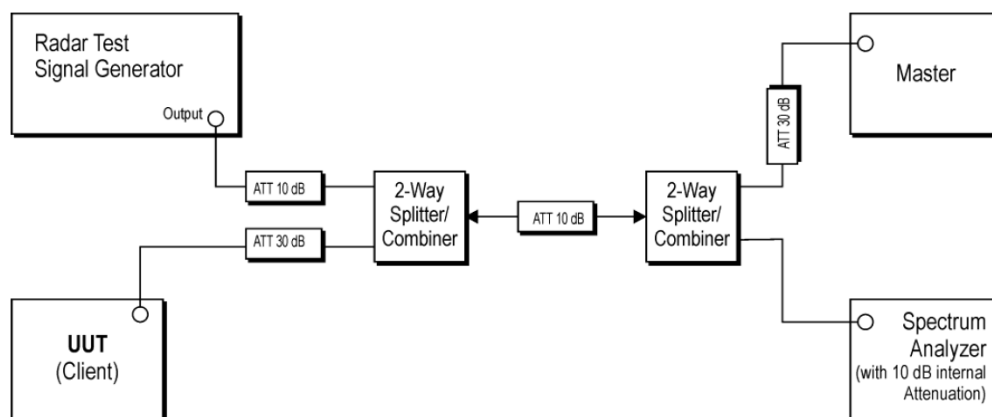


Diagram of Measurement Configuration for Dynamic Frequency Selection (DFS)



5. Test Results

5.1 Radio Test Requirement & Test Suites (5GHz Bands)

5.1.1 Antenna Requirement

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

Test standard : FCC Part 15.203

The EUT has one integral antenna, the maximum gain of antenna is 0.44dBi for 5150-5250MHz (5.2GHz SDR), 0.45dBi for 5250-5350MHz (5.3GHz SDR), 0.80dBi for 5470-5725MHz (5.6GHz SDR) and 0.88dBi for 5725-5850MHz (5.8GHz SDR and 5.8GHz Wi-Fi), and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

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

Refer to EUT Photo for further details.

5.1.2 Maximum output power
RESULT:
Pass
Test Specification

Test standard : FCC Part 15.407 (a)
 : RSS-247 clause 6.2
 Basic standard : ANSI C63.10:2013
 FCC:
 <250mW (24dBm) (5150-5250MHz)
 * <250mW (24dBm) (5250-5350MHz, 5470-5725MHz)
 * 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz, where is lesser.
 <1W (30dBm) (5725-5850MHz)

Limits : IC:
 * Max e.i.r.p. < 200mW (23dBm) (5150-5250MHz)
 * 200 mW (23dBm) or 10 dBm + 10 logB, where B is the 99% emission bandwidth in MHz, where is lesser.
 * Max conducted output power < 250mW (24dBm) (5250-5350MHz)
 * 250 mW (24dBm) or 11 dBm + 10 logB, where B is the 99% emission bandwidth in MHz, where is lesser.
 * Max e.i.r.p. < 1W (30dBm) (5250-5350MHz)
 * 1 W (30dBm) or 17 dBm + 10 log B, where B is the 99% emission bandwidth in MHz, where is lesser.
 Max conducted output power < 1W (30dBm) (5725-5850MHz)

Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-16 - 2025-04-11
 Input voltage : Fully charged battery
 Operation mode : A, B
 Test channel : Low / Middle / High
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

Note: Per RSS-247 section 6.2.3, transmission on channels which overlap 5600-5650MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in 5250-5350MHz or 5470-5725MHz.

Prüfbericht - Nr.: CN254ID2 003

Test Report No.

Seite 18 von 27

Page 18 of 27

Table 7: Test Result of Maximum Conducted Output Power, 5.2GHz SDR

Test Mode	Test Channel (MHz)	Measured Power		Limit_FCC (dBm)	Limit_IC (dBm)
		(dBm)	(W)		
5.2GHz SDR, 10MHz BW	5176	16.28	0.0425	< 23.98	< 19.47 e.i.r.p.
	5206	16.20	0.0417		
	5236	16.27	0.0424		
5.2GHz SDR, 20MHz BW	5181	16.44	0.0441		
	5201	16.46	0.0443		
	5241	16.22	0.0419		
Maximum Measured Value		16.46	0.0443		

Max. e.i.r.p.=16.46dBm+0.44dBi=16.90dBm, which is less than 19.47dBm.

Table 8: Test Result of Maximum Conducted Output Power, 5.3GHz SDR

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit_FCC (dBm)	Limit_IC (dBm)
		(dBm)	(W)		
5.3GHz SDR, 10MHz BW	5256	16.34	0.0431	< 23.98	< 20.48 and < 26.58 e.i.r.p
	5286	16.60	0.0457		
	5326	16.08	0.0406		
5.3GHz SDR, 20MHz BW	5261	16.61	0.0458		
	5281	16.38	0.0435		
	5321	16.39	0.0436		
Maximum Measured Value		16.61	0.0458		

Max. e.i.r.p.=16.61dBm+0.45dBi=17.06dBm, which is less than 20.48dBm.

Table 9: Test Result of Maximum Conducted Output Power, 5.6GHz SDR

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit_FCC (dBm)	Limit_IC (dBm)
		(dBm)	(W)		
5.3GHz SDR, 10MHz BW	5496	15.95	0.0394	< 23.98	< 20.48 and < 26.58 e.i.r.p.
	5596	16.01	0.0399		
	5706	15.88	0.0387		
5.3GHz SDR, 20MHz BW	5500	16.21	0.0418		
	5600	16.21	0.0418		
	5700	16.04	0.0402		
Maximum Measured Value		16.39	0.0436		

Max. e.i.r.p.=16.39dBm+0.80dBi=17.19dBm, which is less than 20.48dBm.

Prüfbericht - Nr.: CN254ID2 003

Test Report No.

Seite 19 von 27

Page 19 of 27

Table 10: Test Result of Maximum Conducted Output Power, 5.8GHz SDR

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit (dBm)
		(dBm)	(W)	
5.8GHz SDR, 10MHz BW	5741	11.62	0.0145	< 30 and < 36 e.i.r.p
	5781	11.48	0.0141	
	5821	11.31	0.0135	
5.8GHz SDR, 20MHz BW	5746	11.35	0.0136	
	5786	11.66	0.0147	
	5826	11.41	0.0138	
Maximum Measured Value		11.66	0.0147	
Max. e.i.r.p.=11.66dBm+0.88dBi=12.54dBm, which is less than 36dBm=4W.				

Table 11: Test Result of Maximum Peak Conducted Output Power, 5.8GHz Wi-Fi

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (dBm)
			(dBm)	(W)	
802.11a	1 Mbps	5745	11.62	0.0145	< 30 and < 36 e.i.r.p
		5785	11.57	0.0144	
		5825	11.30	0.0135	
802.11n20	6 Mbps	5745	11.63	0.0146	
		5785	11.49	0.0141	
		5825	11.27	0.0134	
802.11ac20	MCS0	5745	11.61	0.0145	
		5785	11.35	0.0136	
		5825	11.17	0.0131	
802.11AX20	MCS0	5745	11.22	0.0132	
		5785	11.25	0.0133	
		5825	11.34	0.0136	
Maximum Measured Value			11.63	0.0146	
Max. e.i.r.p.=11.63dBm+0.88dBi=12.51dBm, which is less than 36dBm=4W.					

5.1.3 Power Spectral Density**RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.407 (a)
	:	RSS-247 clause 6.2
Basic standard	:	ANSI C63.10:2013
	:	FCC:
	:	<11dBm/MHz (5150-5250MHz 5250-5350MHz, 5470-5725MHz)
	:	<30dBm/500KHz (5725-5850MHz)
Limits	:	IC:
	:	e.i.r.p. spectral density <10dBm/MHz (5150-5250MHz)
	:	<11dBm/1MHz (5250-5350MHz)
	:	<30dBm/500KHz (5725-5850MHz)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-01-16 - 2025-04-11
Input voltage	:	Fully charged battery
Operation mode	:	A, B
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A, B for details of test data.

5.1.4 Frequency Stability

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 15.407 (g)
	:	RSS-Gen Clause 6.11
Basic standard	:	ANSI C63.10:2013
Limits	:	Within assigned bands
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-01-16 - 2025-04-11
Input voltage	:	Fully charged battery
Operation mode	:	A, B
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A, B for details of test data.

Prüfbericht - Nr.: CN254ID2 003
Test Report No.**Seite 22 von 27**
Page 22 of 27**5.1.5 26dB Bandwidth and 99% Bandwidth****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.407
	:	RSS-Gen Clause 6.6
Basic standard	:	ANSI C63.10:2013
Limits	:	N/A
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-01-16 - 2025-04-11
Input voltage	:	Fully charged battery
Operation mode	:	A, B
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A, B for details of test data.

Prüfbericht - Nr.: CN254ID2 003
Test Report No.**Seite 23 von 27**
Page 23 of 27**5.1.6 6dB Bandwidth****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.407 (e)
	:	RSS-247 clause 6.2.4.1
Basic standard	:	ANSI C63.10:2013
Limits	:	At least 500KHz (5725-5850MHz)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-01-16 - 2025-04-11
Input voltage	:	Fully charged battery
Operation mode	:	A, B
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A, B for details of test data.

5.1.7 Radiated Spurious Emission

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.407(b) & FCC Part 15.205 & FCC Part 15.209
RSS-247 clause 6.2 & RSS-GEN clause 8.9 and 8.10
Basic standard : ANSI C63.10:2013

- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
 - For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
 - For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- Emissions outside the band 5470-5600 MHz and 5650-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.
- For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
 - Restricted Bands meet the requirement of 15.209 limit and RSS-GEN

Limits

Kind of test site : 3m Semi-Anechoic Chamber (below 1GHz)
3m Anechoic Chamber (above 1GHz)

Test Setup

Date of testing : 2025-01-16 - 2025-04-11
Input voltage : Fully charged battery
Operation mode : A, B
Test channel : Low / Middle / High
Ambient temperature : 23 °C
Relative humidity : 48 %
Atmospheric pressure : 101 kPa

Refer to attached Appendix A, B for details of test data.

Prüfbericht - Nr.: CN254ID2 003
Test Report No.**Seite 25 von 27**
Page 25 of 27**5.1.8 Dynamic Frequency Selection (DFS)****RESULT:****Pass****Test Specification**

Test standard : FCC Part 15.407(h)
RSS-247 clause 6.3
Basic standard : ANSI C63.10:2013
5250-5350MHz, 5470-5725MHz
Channel Move Time: Within 10 seconds.
Limits : Channel Closing Transmission Time: 200ms+aggregate of
60ms over remaining 10s period;
Non-Occupancy Period: at least 30 minutes.
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-16 - 2025-04-11
Input voltage : Fully charged battery
Operation mode : A
Ambient temperature : 23 °C
Relative humidity : 48 %
Atmospheric pressure : 101 kPa

Refer to attached Appendix A for details of test data.

Master device was used for testing:

Description	Manufacturer	Model	FCC ID	IC
DJI Mic 3 Receiver	DJI	DMR03	2ANDR-DMR03	23060-DMR03

Prüfbericht - Nr.: CN254ID2 003
Test Report No.**Seite 26 von 27**
Page 26 of 27**5.1.9 Conducted Emission on AC Mains****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.207
	:	RSS-GEN clause 8.8
Basic standard	:	ANSI C63.10:2013
Frequency range	:	0.15 - 30MHz
Limits	:	FCC Part 15.207
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-01-16 - 2025-04-11
Input voltage	:	AC 120V/60Hz
Operation mode	:	A, B
Earthing	:	Not connected
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A, B for details of test data.

6. List of Tables

Table 1: List of Test and Measurement Equipment	6
Table 2: Measurement Uncertainty	7
Table 3: Technical Specification	9
Table 4: RF Channel and Frequency of 5.2/5.3/5.6/5.8GHz SDR	10
Table 5: RF Channel and Frequency of 5.8GHz Wi-Fi	12
Table 6: List of Accessories and Auxiliary Equipment	13
Table 7: Test Result of Maximum Conducted Output Power, 5.2GHz SDR	18
Table 8: Test Result of Maximum Conducted Output Power, 5.3GHz SDR	18
Table 9: Test Result of Maximum Conducted Output Power, 5.6GHz SDR	18
Table 10: Test Result of Maximum Conducted Output Power, 5.8GHz SDR	19
Table 11: Test Result of Maximum Peak Conducted Output Power, 5.8GHz Wi-Fi	19

Appendix A: Test Results of 5GHz SDR

APPENDIX A: TEST RESULTS OF 5GHZ SDR.....	1
APPENDIX A.1: TEST RESULTS OF 26dB BANDWIDTH.....	2
5.2GHz SDR, 10MHz BW.....	2
5.2GHz SDR, 20MHz BW.....	4
5.3GHz SDR, 10MHz BW.....	6
5.3GHz SDR, 20MHz BW.....	8
5.6GHz SDR, 10MHz BW.....	10
5.6GHz SDR, 20MHz BW.....	12
APPENDIX A.2: TEST RESULTS OF 6dB BANDWIDTH.....	14
5.8GHz SDR, 10MHz BW.....	14
5.8GHz SDR, 20MHz BW.....	16
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH.....	18
5.2GHz SDR, 10MHz BW.....	18
5.2GHz SDR, 20MHz BW.....	20
5.3GHz SDR, 10MHz BW.....	22
5.3GHz SDR, 20MHz BW.....	24
5.6GHz SDR, 10MHz BW.....	26
5.6GHz SDR, 20MHz BW.....	28
5.8GHz SDR, 10MHz BW.....	30
5.8GHz SDR, 20MHz BW.....	32
APPENDIX A.4: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY.....	34
5.2GHz SDR, 10MHz BW.....	34
5.2GHz SDR, 20MHz BW.....	36
5.3GHz SDR, 10MHz BW.....	38
5.3GHz SDR, 20MHz BW.....	40
5.6GHz SDR, 10MHz BW.....	42
5.6GHz SDR, 20MHz BW.....	44
5.8GHz SDR, 10MHz BW.....	46
5.8GHz SDR, 20MHz BW.....	48
APPENDIX A.5: TEST RESULTS OF FREQUENCY STABILITY.....	50
APPENDIX A.6: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	51
30MHz - 1GHz.....	51
1GHz - 18GHz	59
APPENDIX A.7: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	91
5.2GHz SDR.....	91
5.3GHz SDR.....	99
5.6GHz SDR.....	107
5.8GHz SDR.....	115
APPENDIX A.8: TEST RESULTS OF DYNAMIC FREQUENCY SELECTION (DFS).....	123
DFS Detection Thresholds.....	123
Channel Move Time and Channel Closing Transmission Time	129
Non-Occupancy Period.....	130
APPENDIX A.9: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	131

Appendix A.1: Test Results of 26dB Bandwidth

5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5176	10.140	5170.940	5181.080	---	PASS
		5206	11.680	5200.320	5212.000	---	PASS
		5236	10.220	5230.880	5241.100	---	PASS

10M_Ant1_5176



10M_Ant1_5206



10M_Ant1_5236



5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5181	21.520	5170.240	5191.760	---	PASS
		5201	20.280	5190.960	5211.240	---	PASS
		5241	21.200	5230.320	5251.520	---	PASS

20M_Ant1_5181



20M_Ant1_5201



20M_Ant1_5241



5.3GHz SDR, 10MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5256	10.300	5250.940	5261.240	---	PASS
		5286	10.100	5280.920	5291.020	---	PASS
		5326	10.440	5320.920	5331.360	---	PASS

10M_Ant1_5256



10M_Ant1_5286



10M_Ant1_5326



5.3GHz SDR, 20MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5261	20.720	5250.640	5271.360	---	PASS
		5281	19.960	5270.960	5290.920	---	PASS
		5321	21.080	5310.880	5331.960	---	PASS

20M_Ant1_5261



20M_Ant1_5281



20M_Ant1_5321



5.6GHz SDR, 10MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5496	10.320	5490.980	5501.300	---	PASS
		5596	10.200	5590.960	5601.160	---	PASS
		5706	9.940	5701.120	5711.060	---	PASS

10M_Ant1_5496



10M_Ant1_5596



10M_Ant1_5706



5.6GHz SDR, 20MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5500	20.760	5490.720	5511.480	---	PASS
		5600	20.200	5590.920	5611.120	---	PASS
		5700	20.240	5690.920	5711.160	---	PASS

20M_Ant1_5500



20M_Ant1_5600



20M_Ant1_5700



Appendix A.2: Test Results of 6dB Bandwidth

5.8GHz SDR, 10MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5741	7.640	5737.160	5744.800	0.5	PASS
		5781	7.740	5777.060	5784.800	0.5	PASS
		5821	7.860	5817.200	5825.060	0.5	PASS

10M_Ant1_5741



10M_Ant1_5781



10M_Ant1_5821



5.8GHz SDR, 20MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5746	13.840	5739.680	5753.520	0.5	PASS
		5786	14.960	5778.560	5793.520	0.5	PASS
		5826	15.000	5818.520	5833.520	0.5	PASS

20M_Ant1_5746



20M_Ant1_5786



20M_Ant1_5826



Appendix A.3: Test Results of 99% Bandwidth

5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5176	8.8563	5171.5882	5180.4445	---	PASS
		5206	8.9323	5201.5561	5210.4884	---	PASS
		5236	8.8707	5231.5767	5240.4474	---	PASS

10M_Ant1_5176



10M_Ant1_5206



10M_Ant1_5236



5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5181	17.696	5172.1796	5189.8756	---	PASS
		5201	17.681	5192.1790	5209.8600	---	PASS
		5241	17.673	5232.1770	5249.8500	---	PASS

20M_Ant1_5181



20M_Ant1_5201



20M_Ant1_5241



5.3GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5256	8.8698	5251.5962	5260.4660	---	PASS
		5286	8.8661	5281.5735	5290.4396	---	PASS
		5326	8.8762	5321.5770	5330.4532	---	PASS

10M_Ant1_5256



10M_Ant1_5286



10M_Ant1_5326



5.3GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5261	17.742	5252.1407	5269.8827	---	PASS
		5281	17.741	5272.1565	5289.8975	---	PASS
		5321	17.728	5312.1385	5329.8665	---	PASS

20M_Ant1_5261



20M_Ant1_5281



20M_Ant1_5321



5.6GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5496	8.8369	5491.6010	5500.4379	---	PASS
		5596	8.8616	5591.5904	5600.4520	---	PASS
		5706	8.8415	5701.5881	5710.4296	---	PASS

10M_Ant1_5496



10M_Ant1_5596



10M_Ant1_5706



5.6GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5500	17.689	5492.1457	5509.8347	---	PASS
		5600	17.677	5592.1764	5609.8534	---	PASS
		5700	17.705	5692.1369	5709.8419	---	PASS

20M_Ant1_5500



20M_Ant1_5600



20M_Ant1_5700



5.8GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant1	5741	8.8423	5736.5935	5745.4358	---	PASS
		5781	8.8470	5776.5854	5785.4324	---	PASS
		5821	8.8459	5816.5944	5825.4403	---	PASS

10M_Ant1_5741



10M_Ant1_5781



10M_Ant1_5821



5.8GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant1	5746	17.656	5737.1707	5754.8267	---	PASS
		5786	17.706	5777.1415	5794.8475	---	PASS
		5826	17.675	5817.1581	5834.8331	---	PASS

20M_Ant1_5746



20M_Ant1_5786



20M_Ant1_5826



Appendix A.4: Test Results of Conducted Power Spectral Density

5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant1	5176	8.81	≤11.00	PASS
		5206	9.13	≤11.00	PASS
		5236	9.03	≤11.00	PASS

Max. e.i.r.p. PSD = 9.13 dBm/MHz+0.45 dBi = 9.58 dBm/MHz, is less than 10 dBm/MHz.

10M_Ant1_5176



10M_Ant1_5206



10M_Ant1_5236



5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant1	5181	6.40	≤11.00	PASS
		5201	6.26	≤11.00	PASS
		5241	5.87	≤11.00	PASS

Max. e.i.r.p. PSD = 6.40 dBm/MHz+0.45 dBi = 6.85 dBm/MHz, is less than 10 dBm/MHz.

20M Ant1 5181



20M Ant1 5201



20M Ant1 5241



5.3GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant1	5256	9.13	≤11.00	PASS
		5286	9.38	≤11.00	PASS
		5326	9.12	≤11.00	PASS

10M_Ant1_5256



10M_Ant1_5286



10M_Ant1_5326



5.3GHz SDR, 20MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant1	5261	6.41	≤11.00	PASS
		5281	6.16	≤11.00	PASS
		5321	6.03	≤11.00	PASS

20M Ant1 5261



20M Ant1 5281



20M Ant1 5321



5.6GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant1	5496	8.02	≤11.00	PASS
		5596	8.52	≤11.00	PASS
		5706	8.42	≤11.00	PASS

10M	Ant1	5496
-----	------	------



10M_Ant1_5596



10M Ant1 5706



5.6GHz SDR, 20MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant1	5500	5.67	≤11.00	PASS
		5600	6.02	≤11.00	PASS
		5700	5.77	≤11.00	PASS

20M_Ant1_5500



20M_Ant1_5600



20M_Ant1_5700



5.8GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
10M	Ant1	5741	1.65	≤30.00	PASS
		5781	1.48	≤30.00	PASS
		5821	1.15	≤30.00	PASS

5.8GHz SDR, 20MHz BW

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
20M	Ant1	5746	-1.57	≤30.00	PASS
		5786	-1.47	≤30.00	PASS
		5826	-1.39	≤30.00	PASS



Appendix A.5: Test Results of Frequency Stability

5.2GHz SDR

Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant1	5176	NV	-4000.00	-0.772798	20	PASS
		5206	NV	-4000.00	-0.768344	20	PASS
		5236	NV	-4000.00	-0.763942	20	PASS
20MHz	Ant1	5181	NV	-3000.00	-0.579039	20	PASS
		5201	NV	-3000.00	-0.576812	20	PASS
		5241	NV	-4000.00	-0.763213	20	PASS

5.3GHz SDR

Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant1	5256	NV	-4000.00	-0.761035	20	PASS
		5286	NV	-4000.00	-0.756716	20	PASS
		5326	NV	-4000.00	-0.751033	20	PASS
20MHz	Ant1	5261	NV	-4000.00	-0.760312	20	PASS
		5281	NV	-4000.00	-0.757432	20	PASS
		5321	NV	-3000.00	-0.563804	20	PASS

5.6GHz SDR

Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant1	5496	NV	-4000.00	-0.727802	20	PASS
		5596	NV	-4000.00	-0.714796	20	PASS
		5706	NV	-4000.00	-0.701016	20	PASS
20MHz	Ant1	5500	NV	-3000.00	-0.545455	20	PASS
		5600	NV	-4000.00	-0.714286	20	PASS
		5700	NV	-4000.00	-0.701754	20	PASS

5.8GHz SDR

Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant1	5741	NV	-4000.00	-0.696743	20	PASS
		5781	NV	-4000.00	-0.691922	20	PASS
		5821	NV	-4000.00	-0.687167	20	PASS
20MHz	Ant1	5746	NV	-4000.00	-0.696136	20	PASS
		5786	NV	-4000.00	-0.691324	20	PASS
		5826	NV	-4000.00	-0.686577	20	PASS

Appendix A.6: Test Results of Radiated Spurious Emissions

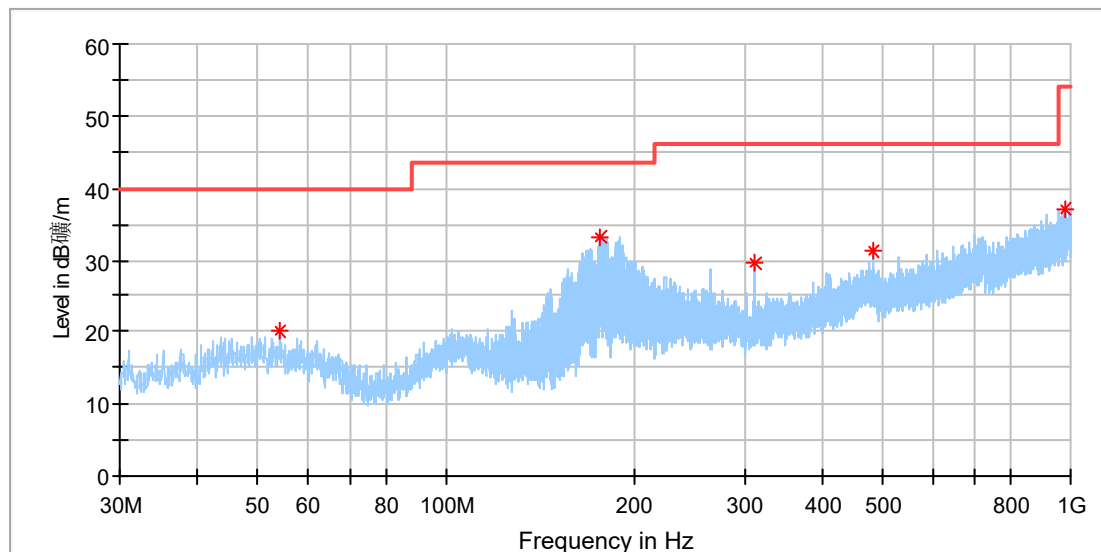
Note:

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

30MHz - 1GHz

EUT Information

EUT Name:	DJI Mic 3 Transmitter
Model:	DMT03
Test Mode:	SDR 5.2G_10M_Ch41
Order No/Sample No:	168530962/A003910619-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

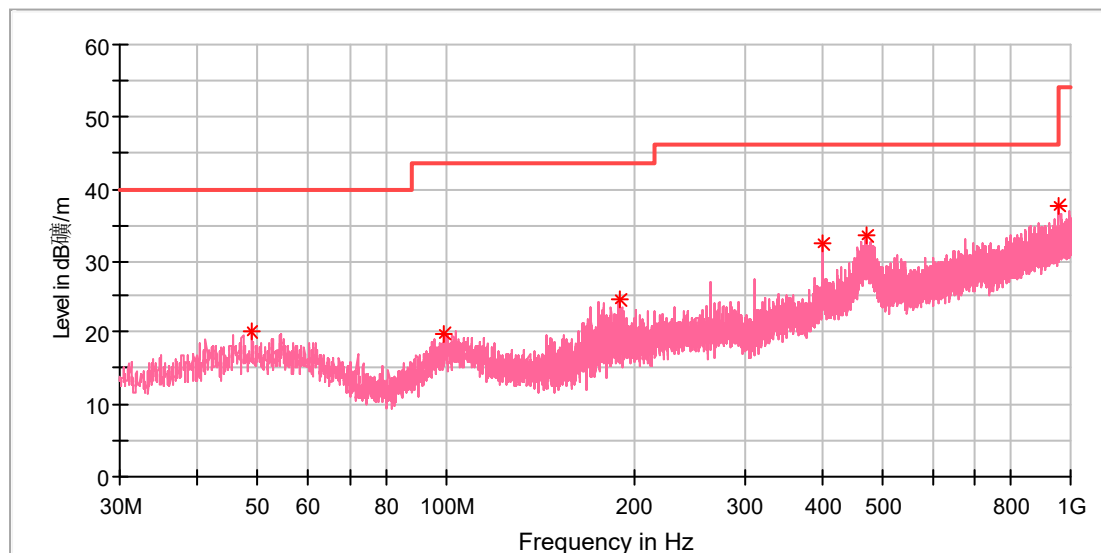
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.175385	20.01	40.00	19.99	100.0	H	24.0	-18.5
176.880385	33.32	43.50	10.18	100.0	H	6.0	-20.9
312.008846	29.60	46.00	16.40	100.0	H	143.0	-16.0
480.005385	31.37	46.00	14.63	100.0	H	313.0	-12.1
976.309615	37.10	54.00	16.90	100.0	H	222.0	-3.9

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	0.0	100.0		0.0	

EUT Information

EUT Name: DJI Mic 3 Transmitter
 Model: DMT03
 Test Mode: SDR 5.2G_10M_Ch41
 Order No/Sample No: 168530962/A003910619-005
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

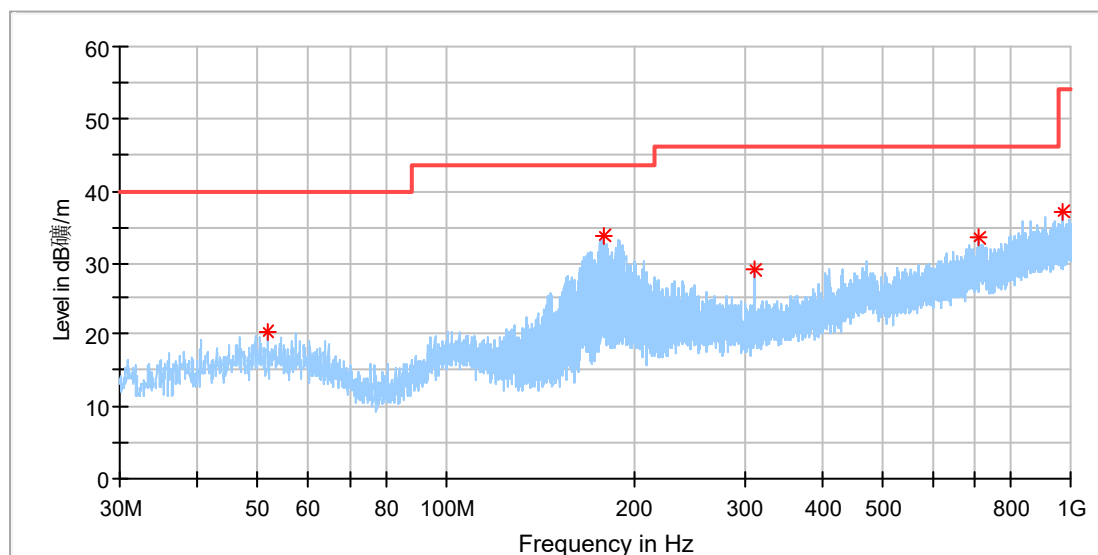
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.840385	20.23	40.00	19.77	100.0	V	343.0	-18.4
99.243077	19.94	43.50	23.56	100.0	V	0.0	-19.2
190.050000	24.57	43.50	18.93	100.0	V	102.0	-19.6
399.047692	32.43	46.00	13.57	100.0	V	222.0	-13.8
470.380000	33.60	46.00	12.40	100.0	V	215.0	-12.3
953.216154	37.69	46.00	8.31	100.0	V	0.0	-4.2

Final Result

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

EUT Information

EUT Name:	DJI Mic 3 Transmitter
Model:	DMT03
Test Mode:	SDR 5.3G_10M_Ch57
Order No/Sample No:	168530962/A003910619-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

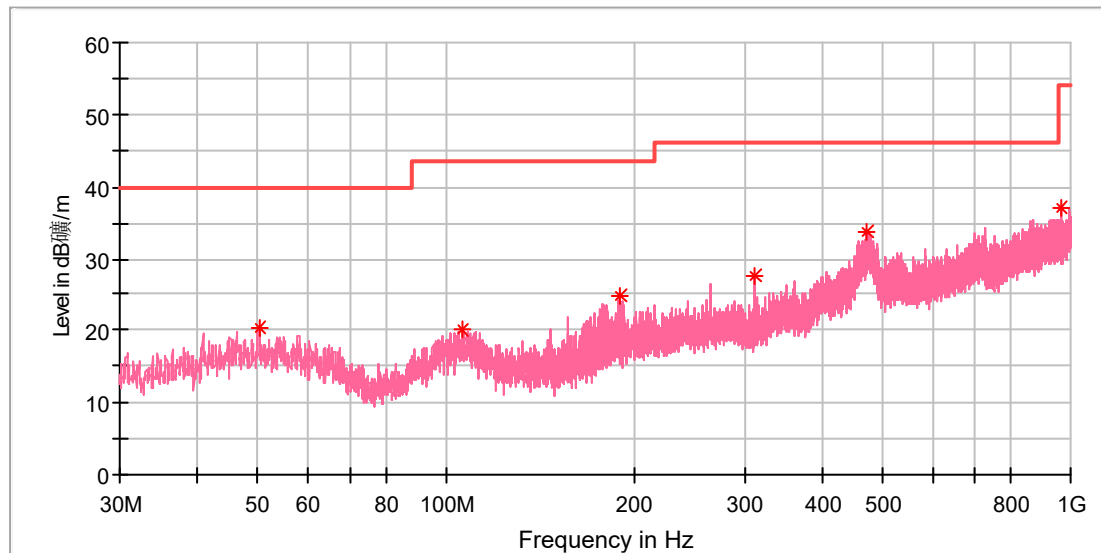
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.862308	20.28	40.00	19.72	100.0	H	54.0	-18.4
178.969615	33.64	43.50	9.86	100.0	H	197.0	-20.7
312.046154	28.97	46.00	17.03	100.0	H	157.0	-16.0
712.618846	33.52	46.00	12.48	100.0	H	326.0	-7.7
970.526923	37.21	54.00	16.79	100.0	H	116.0	-4.0

Final Result

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

EUT Information

EUT Name:	DJI Mic 3 Transmitter
Model:	DMT03
Test Mode:	SDR 5.3G_10M_Ch57
Order No/Sample No:	168530962/A003910619-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

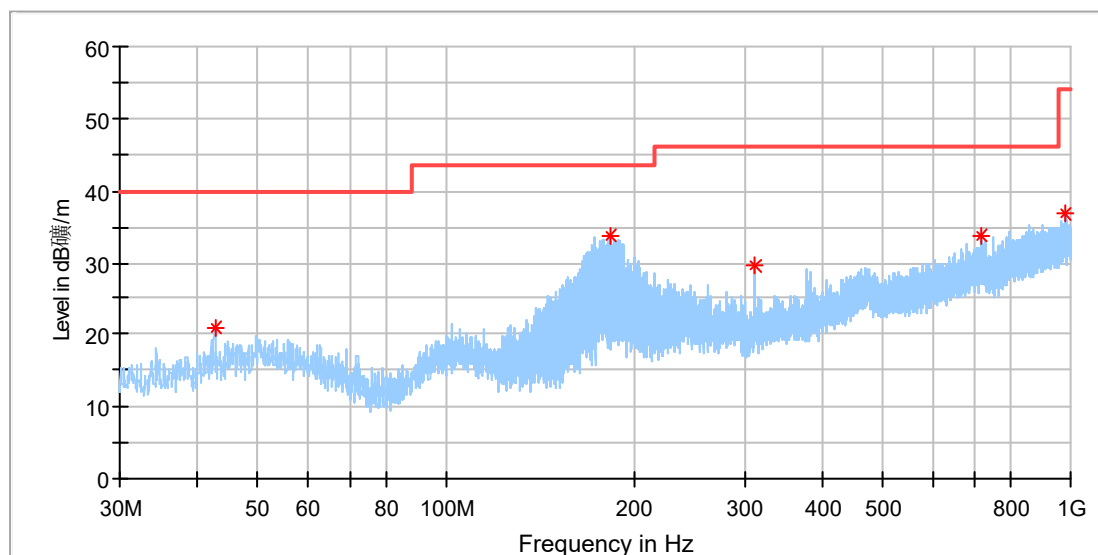
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.146154	20.43	40.00	19.57	100.0	V	115.0	-18.4
106.070385	20.13	43.50	23.37	100.0	V	82.0	-19.0
189.378462	24.75	43.50	18.75	100.0	V	131.0	-19.7
312.008846	27.69	46.00	18.31	100.0	V	292.0	-16.0
471.723077	33.68	46.00	12.32	100.0	V	292.0	-12.3
966.684231	37.20	54.00	16.80	100.0	V	333.0	-4.0

Final Result

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

EUT Information

EUT Name:	DJI Mic 3 Transmitter
Model:	DMT03
Test Mode:	SDR 5.6G_10M_Ch119
Order No/Sample No:	168530962/A003910619-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

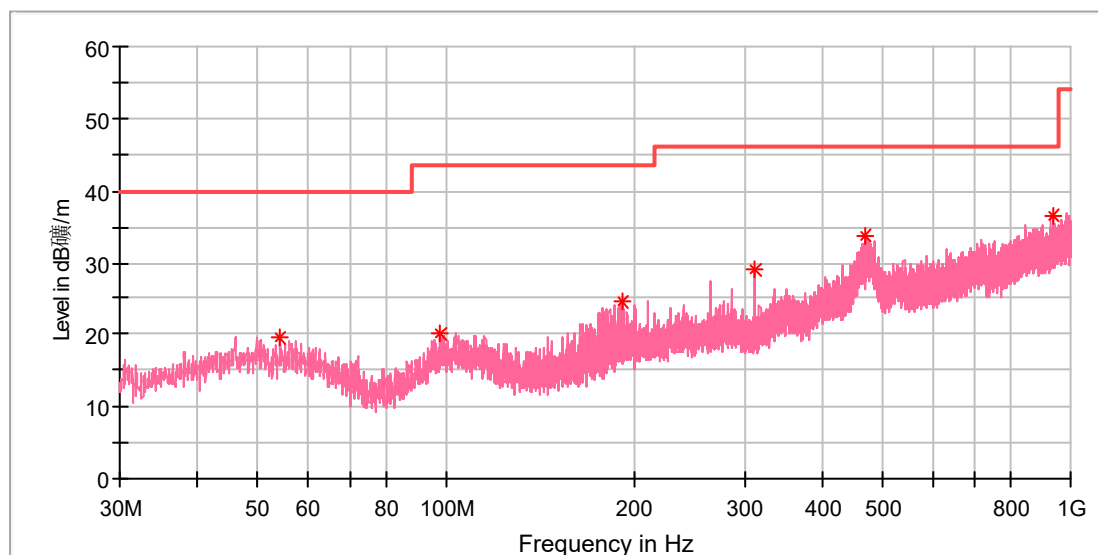
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.647308	21.04	40.00	18.96	100.0	H	232.0	-19.5
182.401923	33.66	43.50	9.84	100.0	H	347.0	-20.3
312.008846	29.65	46.00	16.35	100.0	H	179.0	-16.0
716.797308	33.86	46.00	12.14	100.0	H	94.0	-7.6
981.644615	36.79	54.00	17.21	100.0	H	323.0	-3.8

Final Result

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

EUT Information

EUT Name:	DJI Mic 3 Transmitter
Model:	DMT03
Test Mode:	SDR 5.6G_10M_Ch119
Order No/Sample No:	168530962/A003910619-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

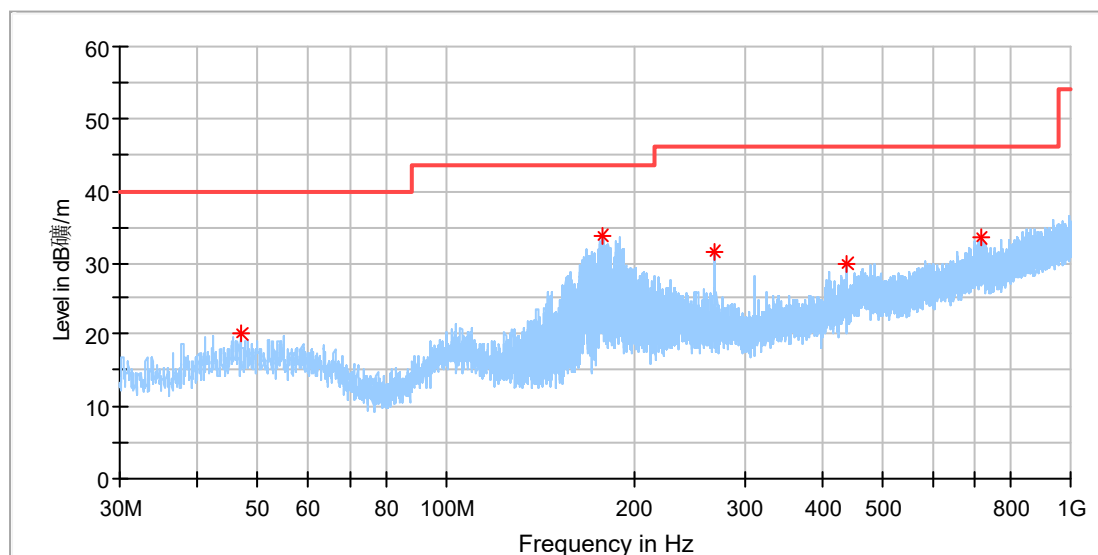
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.287308	19.58	40.00	20.42	100.0	V	321.0	-18.5
97.564231	20.19	43.50	23.31	100.0	V	0.0	-19.5
191.430385	24.62	43.50	18.88	100.0	V	129.0	-19.5
312.008846	28.95	46.00	17.05	100.0	V	297.0	-16.0
466.686539	33.82	46.00	12.18	100.0	V	216.0	-12.4
932.286539	36.45	46.00	9.55	100.0	V	273.0	-4.5

Final Result

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

EUT Information

EUT Name:	DJI Mic 3 Transmitter
Model:	DMT03
Test Mode:	SDR 5.8G_10M_Ch156
Order No/Sample No:	168530962/A003910619-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

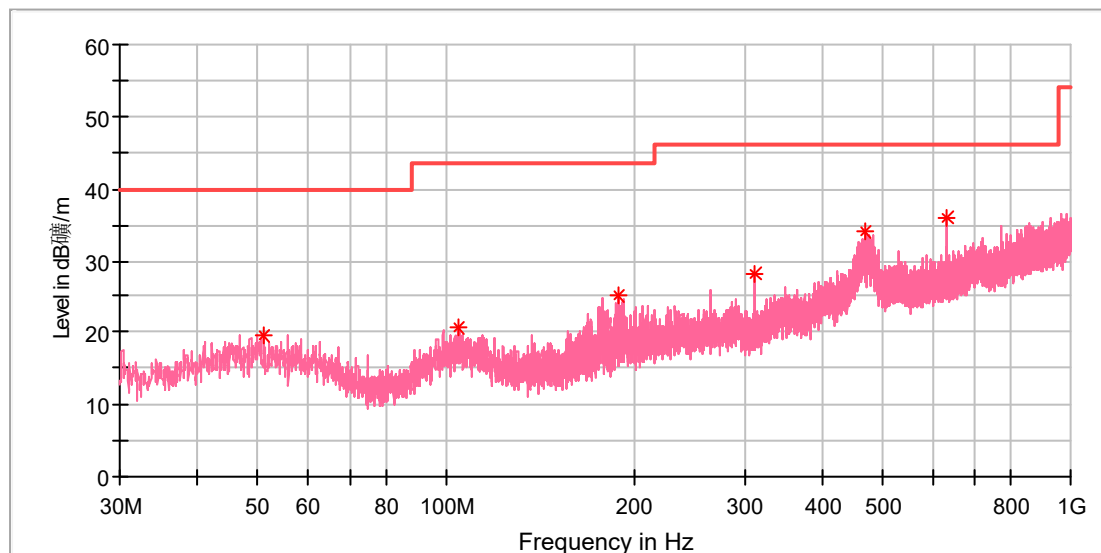
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.900385	20.13	40.00	19.87	100.0	H	93.0	-18.6
178.260769	33.63	43.50	9.87	100.0	H	359.0	-20.7
268.172308	31.41	46.00	14.59	100.0	H	341.0	-17.0
438.668462	29.81	46.00	16.19	100.0	H	34.0	-13.0
717.767308	33.48	46.00	12.52	100.0	H	356.0	-7.6

Final Result

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

EUT Information

EUT Name: DJI Mic 3 Transmitter
 Model: DMT03
 Test Mode: SDR 5.8G_10M_Ch156
 Order No/Sample No: 168530962/A003910619-005
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.153462	19.60	40.00	20.40	100.0	V	15.0	-18.4
104.428846	20.78	43.50	22.72	100.0	V	306.0	-18.9
188.632308	25.14	43.50	18.36	100.0	V	171.0	-19.8
312.008846	28.32	46.00	17.68	100.0	V	298.0	-16.0
467.693846	33.99	46.00	12.01	100.0	V	226.0	-12.4
631.101539	35.87	46.00	10.13	100.0	V	195.0	-9.1

Final Result

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

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

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

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

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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0

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

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

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

