

Prüfbericht-Nr.: <i>Test report no.:</i>	CN25GP9P 003	Auftrags-Nr.: <i>Order no.:</i>	168512858 Seite 1 von 23 Page 1 of 23
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-11-11
Auftraggeber: <i>Client:</i>	SZ DJI TECHNOLOGY CO., LTD Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.		
Prüfgegenstand: <i>Test item:</i>	DJI Matrice 4D, DJI Matrice 4TD		
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	M4D, M4TD (Trademark: DJI)		
Auftrags-Inhalt: <i>Order content:</i>	Test Report		
Prüfgrundlage: <i>Test specification:</i>	CFR Title 47 FCC Part 15: Subpart E Section 15.407 CFR Title 47 FCC Part 15: Subpart C Section 15.209		
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-12-13	Please refer to Photo Document	
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003882058-003~005 A003882058-009~010, 021		
Prüfzeitraum: <i>Testing period:</i>	2025-01-09 - 2025-01-17		
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.		
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.		
Prüfergebnis*: <i>Test result*:</i>	Pass		
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>		
Datum: <i>Date:</i>	Ausstellungsdatum: <i>Issue date:</i>		
Stellung / Position:	Stellung / Position:		
Sonstiges / <i>Other:</i>	FCC ID: SS3-M4D2411 This report is for 5.2GHz SDR and 5.8GHz SDR.		
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			
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Anmerkungen
Remarks

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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>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 FREQUENCY STABILITY

RESULT: Pass

5.1.5 6dB BANDWIDTH

RESULT: Pass

5.1.6 26dB BANDWIDTH

RESULT: Pass

5.1.7 99% BANDWIDTH

RESULT: Pass

5.1.8 RADIATED SPURIOUS EMISSION

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

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

Appendix A: Test Results of 5.2GHz SDR

Appendix B: Test Results of 5.8GHz SDR

Appendix C: Photographs of the Test Set-up.

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. China.

FCC Accreditation Designation No.: 694916

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2024-09-26	2025-09-25
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2024-09-26	2025-09-25
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2024-09-26	2025-09-25
DC power supply	Keysight	E3642A	MY61276100	2024-09-26	2025-09-25
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2024-09-26	2025-09-25
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2024-09-26	2025-09-25
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2024-09-29	2025-09-28
Signal Analyzer	R&S	FSV 40	101439	2024-09-29	2025-09-28
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2024-09-29	2025-09-28
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2024-09-29	2025-09-28
Amplifier	R&S	SCU-18F	180070	2024-09-29	2025-09-28
Amplifier	R&S	SCU40A	100475	2024-09-29	2025-09-28
Trilog Broadband Antenna	Schwarzbeck	VULB 9162	193	2024-09-28	2025-09-27

(30 MHz - 7 GHz)					
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2025-09-27
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2025-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2025-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

2.3 Traceability

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

2.4 Calibration

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

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB

2.6 Location of Original Data

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) file for certification follow-up purposes.

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2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, 518110, 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 Product is DJI Matrice which supports Wireless charging (ISM, Power Receiver), Bluetooth, 2.4GHz SDR, 2.4GHz Wi-Fi, 5.2GHz SDR, 5.8GHz SDR, ADS-B and GNSS 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.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	DJI Matrice 4D, DJI Matrice 4TD
Type Designation	M4D, M4TD (They are identical on circuitry design, PCB layout, electrical components used and internal wiring, the only difference is that M4TD camera has Infrared Imaging function which not supported by M4D camera.)
Trademark	DJI
FCC ID	SS3-M4D2411
Operating Voltage	22.14V DC, powered by battery
Testing Voltage	DC 22.14V by battery
Extreme Temperature Range	-20°C ~ +45°C
Radiofrequency operating mode	1) Bluetooth: operating within 2400-2483.5MHz, Bluetooth BLE (1Mbps&2Mbps) 2) 2.4GHz SDR: operating within 2400-2483.5MHz, supports 1.4MHz/3MHz/5MHz/10MHz/20MHz/40MHz/60MHz Bandwidth 3) 2.4GHz Wi-Fi 802.11g: operating within 2437MHz 4) 5.2GHz SDR: operating within 5150-5250MHz, supports 1.4MHz/3MHz/5MHz/10MHz/20MHz/40MHz/60MHz/80MHz Bandwidth 5) 5.8GHz SDR: operating within 5725-5850MHz, supports 1.4MHz/3MHz/5MHz/10MHz/20MHz/40MHz/60MHz/80MHz Bandwidth 6) GNSS(receiver), ADS-B (receiver) 7) Wireless charging: 80-90kHz (Power Receiver. Energy Receiver only, incapable of transmitting any form of intelligent communication wirelessly)
Technical Specification of 5.2GHz SDR	
Operating Frequency	5154-5248MHz for 1.4MHz Bandwidth 5154-5247MHz for 3MHz Bandwidth 5155-5246.24MHz for 5MHz Bandwidth 5157-5245MHz for 10MHz Bandwidth 5161-5240MHz for 20MHz Bandwidth 5170-5230MHz for 40MHz Bandwidth 5180-5220MHz for 60MHz Bandwidth

	5190-5210MHz for 80MHz Bandwidth
Type of Modulation	OFDM (QPSK, 16QAM, 64QAM)
Channel Number	110 channels for 1.4MHz Bandwidth 68 channels for 3MHz Bandwidth 189 channels for 5MHz Bandwidth 247 channels for 10MHz Bandwidth 202 channels for 20MHz Bandwidth 103 channels for 40MHz Bandwidth 41 channels for 60MHz Bandwidth 21 channels for 80MHz Bandwidth
Antenna Type	Integral Antenna
Antenna Number	1Tx4Rx for SISO mode (ANT0 or ANT1 or ANT2 or ANT3 or ANT4 or ANT5 or ANT6 or ANT7) 2Tx4Rx for MIMO mode (ANT0+ANT1, or ANT0+ANT3, or ANT0+ANT5, or ANT0+ANT7, or ANT2+ANT1, or ANT2+ANT3, or ANT2+ANT5, or ANT2+ANT7, or ANT4+ANT1, or ANT4+ANT3, or ANT4+ANT5, or ANT4+ANT7, or ANT6+ANT1, or ANT6+ANT3, or ANT6+ANT5, or ANT6+ANT7)
Antenna Gain	4 dBi for ANT0, 1.3 dBi for ANT1, 2.5 dBi for ANT2/ANT3/ANT4 1.7 dBi for ANT5, 2.4 dBi for ANT6, 3.5 dBi for ANT7 (Provided by the Client)
The type of wideband data transmission equipment	DTS
Technical Specification of 5.8GHz SDR	
Operating Frequency	5728.5-5846.12MHz for 1.4MHz Bandwidth 5727.5-5847.2MHz for 3MHz Bandwidth 5732.5-5842.5MHz for 5MHz Bandwidth 5730.5-5844.5MHz for 10MHz Bandwidth 5735.5-5839.5MHz for 20MHz Bandwidth 5745.5-5829.5MHz for 40MHz Bandwidth 5755.5-5819.5MHz for 60MHz Bandwidth 5765.5-5809.5MHz for 80MHz Bandwidth
Type of Modulation	OFDM (QPSK, 16QAM, 64QAM)
Channel Number	194 channels for 1.4MHz Bandwidth 126 channels for 3MHz Bandwidth 229 channels for 5MHz Bandwidth 317 channels for 10MHz Bandwidth 259 channels for 20MHz Bandwidth 147 channels for 40MHz Bandwidth 65 channels for 60MHz Bandwidth 45 channels for 80MHz Bandwidth
Antenna Type	Integral Antenna
Antenna Number	1Tx4Rx for SISO mode (ANT0 or ANT1 or ANT2 or ANT3 or ANT4 or ANT5 or ANT6 or ANT7) 2Tx4Rx for MIMO mode (ANT0+ANT1, or ANT0+ANT3, or ANT0+ANT5, or ANT0+ANT7, or ANT2+ANT1, or ANT2+ANT3, or ANT2+ANT5, or ANT2+ANT7, or ANT4+ANT1, or ANT4+ANT3, or ANT4+ANT5, or ANT4+ANT7, or ANT6+ANT1, or ANT6+ANT3, or ANT6+ANT5, or ANT6+ANT7)
Antenna Gain	4 dBi for ANT0/ANT7, 2 dBi for ANT1/ANT5, 1.7 dBi for ANT2, 3.5 dBi for ANT3, 2.7 dBi for ANT4, 3.8 dBi for ANT6 (Provided by the Client)
The type of wideband data transmission equipment	DTS

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

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, 5.2GHz SDR wireless transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, 5.8GHz SDR wireless transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|------------------------------|-------------------------|
| - Application Form | - User Manual |
| - ID Label and Location Info | - Operation Description |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

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

According to clause 3.1, all tests were performed on model *M4TD* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T480	PF-16A6N8	/
DC power Supply	Topward	3303D	809332	0-30 Volts, 0-3 Amps

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

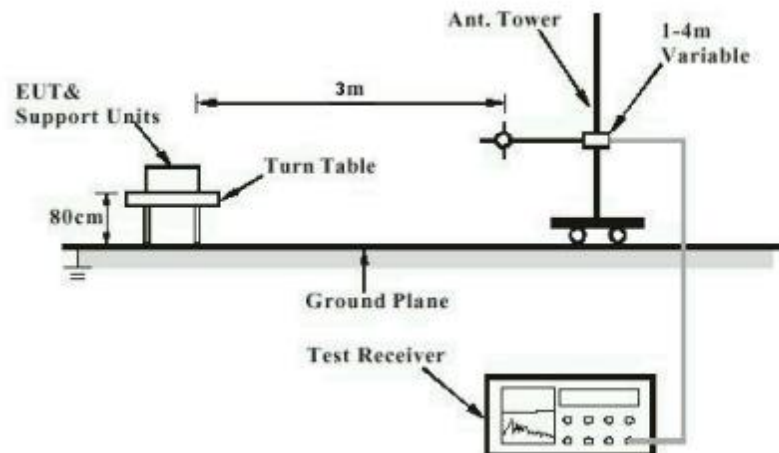


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

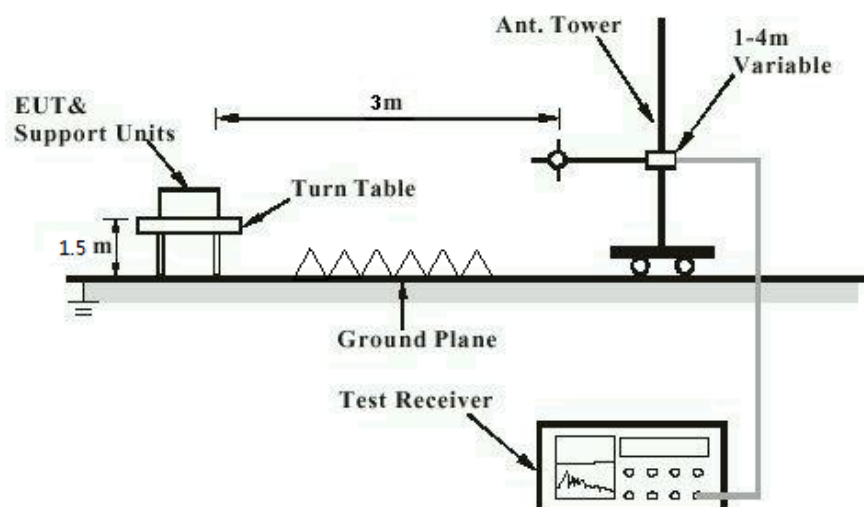
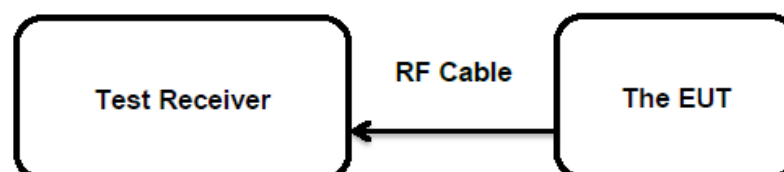


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard : FCC Part 15.203

Limit : the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT have Integral Antennas, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

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

Refer to EUT Photo for further details.

5.1.2 Maximum Output Power

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.407 (a)
 Basic standard : ANSI C63.10: 2013
 Limits : <250mW (24dBm) (5150-5250MHz)
 <1W (30dBm) (5725-5850MHz)
 Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-09 to 2025-01-16
 Input voltage : DC 22.14V by battery
 Operation mode : A, B
 Test channel : Low / Middle / High
 Ambient temperature : 25 °C
 Relative humidity : 45 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 5: Test Result of Maximum Conducted Output Power, 5.2GHz SDR

Worst case: MIMO mode (ANT 0+7)

Test Mode	Test Channel (MHz)	Measured Average Power		Limit (W)
		(dBm)	(W)	
1.4MHz BW	5154	-0.18	0.0010	< 0.25
	5166	6.4	0.0044	
	5200	9.66	0.0092	
	5248	9.21	0.0083	
3MHz BW	5154	-1.12	0.0008	
	5166	9.29	0.0085	
	5199	12.68	0.0185	
	5247	12.06	0.0161	
5MHz BW	5155	1.28	0.0013	
	5165	12.63	0.0183	
	5200	15.38	0.0345	
	5245	15.52	0.0356	
10MHz BW	5157	1.53	0.0014	
	5166	12.13	0.0163	
	5167	13.73	0.0236	
	5200	15.35	0.0343	
20MHz BW	5245	15.54	0.0358	
	5161	5.68	0.0037	
	5169	12.62	0.0183	
	5200	15.63	0.0366	
40MHz BW	5240	15.54	0.0358	
	5170	8.01	0.0063	
	5177	12.58	0.0181	
	5200	15.63	0.0366	
	5230	15.45	0.0351	

60MHz BW	5180	5.96	0.0039
	5184	10.74	0.0119
	5200	13.95	0.0248
	5220	15.42	0.0348
80MHz BW	5190	6.09	0.0041
	5196	12.57	0.0181
	5200	15.49	0.0354
	5210	15.33	0.0341
Maximum Measured Value		15.63	0.0366

Max. e.i.r.p.=15.63dBm+3.75dBi=19.38dBm, which is less than 36dBm=4W.

Table 6: Test Result of Maximum Conducted Output Power, 5.8GHz SDR

Worst case: MIMO mode (ANT 0+7)

Test Mode	Test Channel (MHz)	Measured Average Power		Limit (W)
		(dBm)	(W)	
1.4MHz BW	5728.5	26.65	0.4624	< 1.0
	5786.5	26.68	0.4656	
	5846.12	26.70	0.4677	
3MHz BW	5727.5	26.98	0.4989	
	5784.5	26.71	0.4688	
	5847.2	26.54	0.4508	
5MHz BW	5732.5	26.97	0.4977	
	5787.5	26.91	0.4909	
	5842.5	26.59	0.4560	
10MHz BW	5730.5	27.01	0.5023	
	5787.5	26.83	0.4819	
	5844.5	26.51	0.4477	
20MHz BW	5735.5	26.88	0.4875	
	5787.5	26.86	0.4853	
	5839.5	26.57	0.4539	
40MHz BW	5745.5	22.63	0.1832	
	5787.5	24.86	0.3062	
	5829.5	21.52	0.1419	
60MHz BW	5755.5	22.40	0.1738	
	5787.5	23.13	0.2056	
	5819.5	21.70	0.1479	
80MHz BW	5765.5	20.38	0.1091	
	5787.5	21.38	0.1374	
	5809.5	20.14	0.1033	
Maximum Measured Value		27.01	0.5023	

Max. e.i.r.p.=27.01dBm+4dBi=31.01dBm, which is less than 36dBm=4W.

Note:

- 1) The cable loss is taken into account in results, $e.i.r.p.=P_{(Peak\ power)}+G$
- 2) Antenna gain(G) of 5.2GHz SDR: 3.75dBi for MIMO mode(Ant 0+7) (uncorrelated antenna gain)
Antenna gain(G) of 5.8GHz SDR: 4dBi for MIMO mode(Ant 0+7) (uncorrelated antenna gain)

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5.1.3 Conducted Power Spectral Density

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

Test standard : FCC Part 15.407 (a)
Basic standard : ANSI C63.10: 2013
Limits : <11dBm/MHz (5150-5250MHz)
 <30dBm/500kHz (5725-5850MHz)
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-09 to 2025-01-16
Input voltage : DC 22.14V by battery
Operation mode : A, B
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix A, B.

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5.1.4 Frequency Stability

RESULT:

Pass

Test Specification

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

Test Setup

Date of testing : 2025-01-09 to 2025-01-16
Input voltage : DC 22.14V by battery
Operation mode : A, B
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix A, B.

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5.1.5 6dB Bandwidth

RESULT:

Pass

Test Specification

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

Test Setup

Date of testing : 2025-01-09 to 2025-01-16
Input voltage : DC 22.14V by battery
Operation mode : B
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

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5.1.6 26dB Bandwidth

RESULT:

Pass

Test Specification

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

Test Setup

Date of testing : 2025-01-09 to 2025-01-16
Input voltage : DC 22.14V by battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix A.

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Page 21 of 23**5.1.7 99% Bandwidth****RESULT:****Pass****Test Specification**

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

Test Setup

Date of testing	: 2025-01-09 to 2025-01-16
Input voltage	: DC 22.14V by battery
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 45 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A, B.

5.1.8 Radiated Spurious Emission

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

Test standard : FCC Part 15.407(b) & FCC Part 15.205 & FCC Part 15.209
Basic standard : ANSI C63.10: 2013

Limits :

- 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 5.725-5.85 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

Kind of test site : 3m Semi-anechoic Chamber

Test Setup

Date of testing : 2025-01-13 to 2025-01-17
Input voltage : DC 22.14V by battery
Operation mode : A, B
Test channel : Low / Middle / High
Ambient temperature : Refer to test result
Relative humidity : Refer to test result
Atmospheric pressure : 101 kPa

Remark:

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

For the measurement records, refer to the appendix A, B.

6 Photographs of the Test Set-Up

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

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