



## FCC / ISED – TEST REPORT

Report Number : **68.910.24.0046.01** Date of Issue: 2024-09-06

Model/HVIN : **AD01A**

Product Type : DJI Avinox Display

Applicant : SZ DJI TECHNOLOGY CO., LTD.

Address : Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community,  
Xili Street, Nanshan District, Shenzhen, China

Manufacturer : SZ DJI TECHNOLOGY CO., LTD.

Address : Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community,  
Xili Street, Nanshan District, Shenzhen, China

Factory : DJI BW Technology Company Ltd.

Address : Room 101, Building 12, Baiwangxin Industrial Park, 1002 Songbai  
Road, Sunshine Community, Xili Street, Nanshan District, Shenzhen

Test Result :  **Positive**     Negative

Total pages including Appendices : 28

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## 2 Details about the Test Laboratory

### Details about the Test Laboratory

#### Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu,  
Nantou, Nanshan District,  
Shenzhen, Guangdong, China

Telephone: 86 755 8828 6998

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FCC Registration No.: 514049

FCC Designation Number: CN5009

IC Registration No.: 10320A

ISED CAB identifier CN0077

### 3 Description of the Equipment Under Test

Product:	DJI Avinox Display
Model no.:	AD01A
Hardware Version Identification No. (HVIN)	AD01A
Product Marketing Name (PMN)	DJI Avinox Display
Brand name:	DJI
FCC ID:	SS3-AD01A24
IC:	11805A-AD01A24
Rating:	24VDC (by E-bike's battery)
RF Transmission Frequency:	2457MHz
No. of Operated Channel:	1
Modulation:	GFSK
Antenna Type:	Internal FPC Antenna
Antenna Gain:	0 dBi
Description of the EUT:	The Equipment Under Test (EUT) is a DJI Avinox Display which support Bluetooth (BLE) function and Ant+ function. Only ANT+ function is included in this report.

**NOTE:**

1. The above EUT's information is declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2023 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-Gen Issue 5 April 2018 + Amendment 1 March 2019 + Amendment 2 February 2021	General Requirements for Compliance of Radio Apparatus
RSS-210 Issue 11 June 2024	Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment

All the test methods were according to ANSI C63.10-2013.

## 5 Summary of Test Results

Technical Requirements						
FCC Part 15 Subpart C/ RSS-210 Issue 11 / RSS-Gen Issue 5 + A1 + A2						
Test Condition		Test Site	Test Result			Test Environment
			Pass	Fail	N/A	
§15.207 & RSS-GEN 8.8	Conducted emission AC power port	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T: 24.8°C H: 53.7%
§15.215 & RSS-GEN 6.7	20dB bandwidth and 99% Occupied Bandwidth	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T: 24.8°C H: 53.7%
§15.249 & §15.209 & §15.205 & RSS-210 B.10 & RSS-Gen 6.13	Radiated Emissions	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T: 24.7°C H: 49.3%
§15.203 & RSS-Gen 6.8	Antenna requirement	See note 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--

Note 1: N/A=Not Applicable.

Note 2: The EUT uses a FPC antenna, which gain is 0 dBi. In accordance to §15.203 & RSS-Gen 6.8, it is considered sufficiently to comply with the provisions of this section.

Note 3: T :Temperature, H: Humidity



## 6 General Remarks

### Remarks

This submittal(s) (test report) is intended for **FCC ID: SS3-AD01A24, IC: 11805A-AD01A24**, complies with Section 15.207, 15.209, 15.249 of the FCC Part 15, Subpart C rules and RSS-210, RSS-GEN.

### SUMMARY:

All tests according to the regulations cited on page 5 were

n - Performed

o - **Not** Performed

The Equipment under Test

n - **Fulfills** the general approval requirements.

o - **Does not** fulfill the general approval requirements.

Sample Received Date: 2024-05-08

Testing Start Date: 2024-05-16

Testing End Date: 2024-06-04

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

Eric LI  
EMC Project Manager

Prepared by:

Kevin DU  
Project Engineer

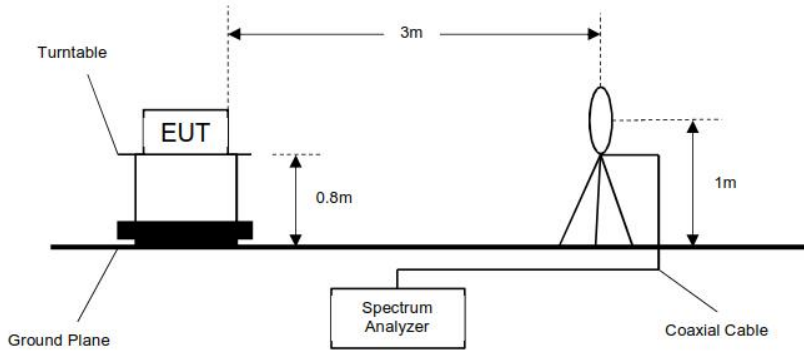
Tested by:

Carry Cai  
Test Engineer

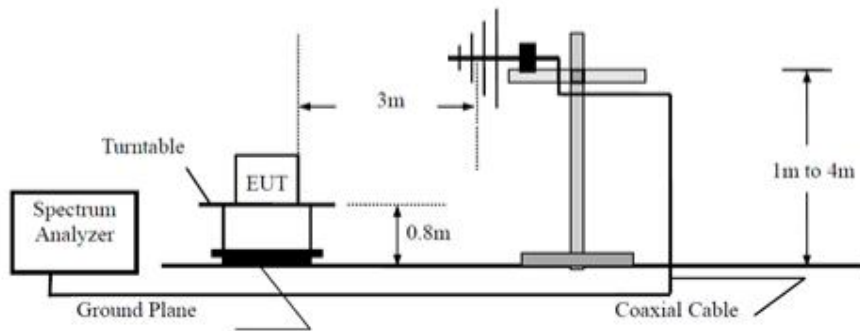
## 7 Test Setups

### 7.1 Radiated test setups

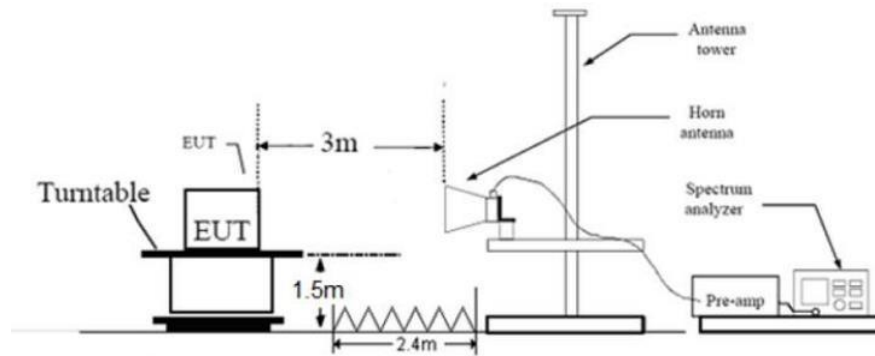
#### 9kHz - 30MHz



#### 30MHz - 1GHz

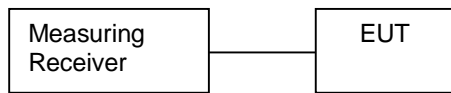


#### Above 1GHz

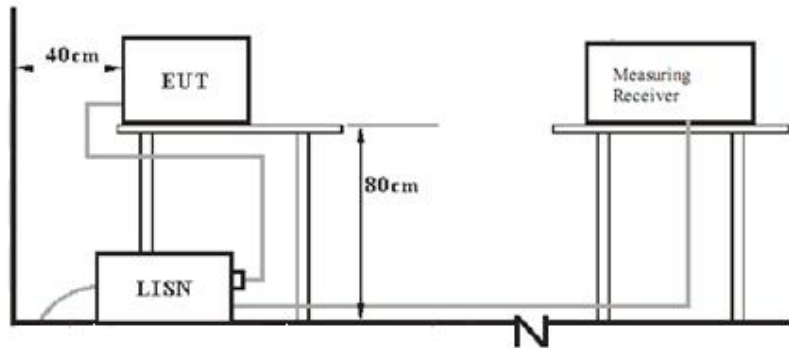




## 7.2 Conducted RF test setups



## 7.3 AC Power Line Conducted Emission test setups



## 8 Systems Test Configuration

### Auxiliary Equipment Used during Test:

Description	Manufacturer	Model NO.	S/N
Notebook	HP	EliteBook 645 G10	---
Serial port board	---	TF232	---
E-bike	DJI	E100	---

### Cables Used During Test:

Cable	Length	Shielded/unshielded	With / without ferrite
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### Test software information:

Test Software Version	Nordic Direct Test Mode Tool.exe, V0.8.1		
Modulation	Setting TX Power	Packet Type	
GFSK	4	RBS9	

Only one channel is available for ANT+, the operation frequency is 2457MHz.  
Both transmitter rate 1Mbps and 2Mbps mode are tested.

## 9 Technical Requirement

### 9.1 Conducted Emission

#### Test Method

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. Both sides of AC line were checked for maximum conducted interference.
6. The frequency range from 150 kHz to 30 MHz was searched.
7. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

#### Limit

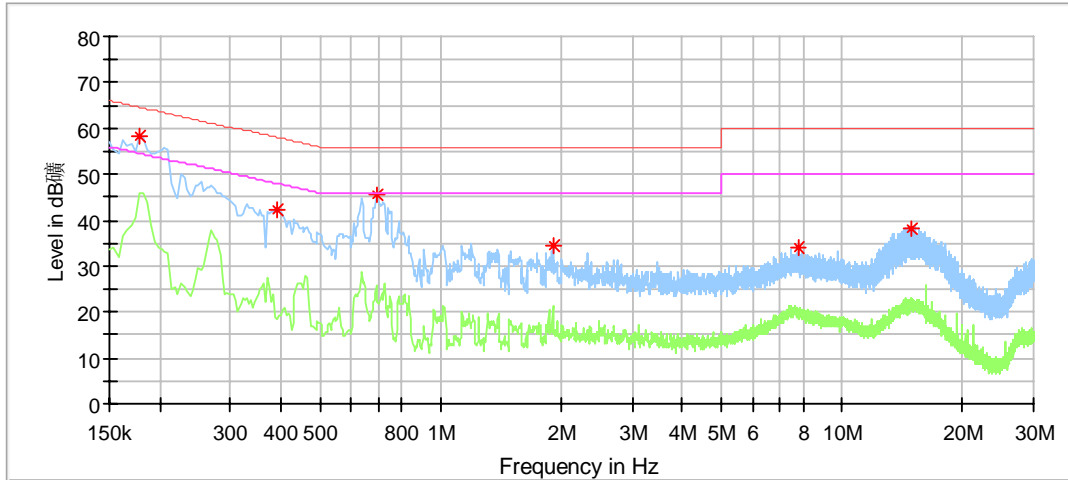
According to §15.207 & RSS-GEN 8.8, conducted emissions limit as below:

Frequency MHz	QP Limit dB $\mu$ V	AV Limit dB $\mu$ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

\*Decreasing linearly with logarithm of the frequency

## Conducted Emission

Model: AD01A  
 Operating Condition: ANT+ link mode  
 Test Specification: Power Line, Live  
 Remark: 120VAC/60Hz, BT can be used when charging the E-bike (see set-up photo)



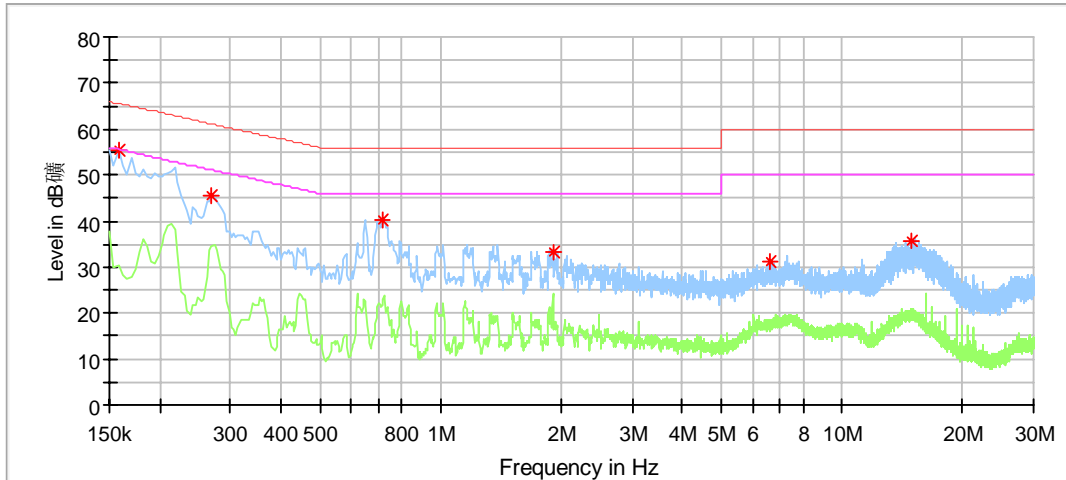
### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.178000	58.34	---	64.58	6.24	L1	9.54
0.394000	42.06	---	57.98	15.92	L1	9.58
0.694000	45.58	---	56.00	10.42	L1	9.60
1.906000	34.40	---	56.00	21.60	L1	9.61
7.774000	33.87	---	60.00	26.13	L1	9.87
14.890000	38.09	---	60.00	21.91	L1	10.01

Remark:  
 Max Peak= Read level + Corrector factor  
 Correct factor=cable loss + LISN factor  
 (The Reading Level is recorded by software which is not shown in the sheet)

## Conducted Emission

Model: AD01A  
 Operating Condition: ANT+ link mode  
 Test Specification: Power Line, Neutral  
 Remark: 120VAC/60Hz, BT can be used when charging the E-bike (see set-up photo)



### Critical Freqs

Frequency (MHz)	MaxPeak (dB $\mu$ V)	Average (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Line	Corr. (dB)
0.158000	55.30	---	65.57	10.27	N	9.56
0.270000	45.54	---	61.12	15.57	N	9.59
0.718000	40.09	---	56.00	15.91	N	9.63
1.906000	33.18	---	56.00	22.82	N	9.65
6.590000	31.17	---	60.00	28.83	N	9.84
14.850000	35.75	---	60.00	24.25	N	10.01

Remark:  
 Max Peak= Read level + Corrector factor  
 Correct factor=cable loss + LISN factor  
 (The Reading Level is recorded by software which is not shown in the sheet)



## 9.2 20 dB Bandwidth

### Test Method

1. The RF output of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:  
RBW=100KHz, VBW≥3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Use the automatic bandwidth measurement capability of an instrument, use the X dB bandwidth mode with X set to 20 dB.
5. Allow the trace to stabilize, record the 6 dB Bandwidth value.

### Limit

Limit [kHz]

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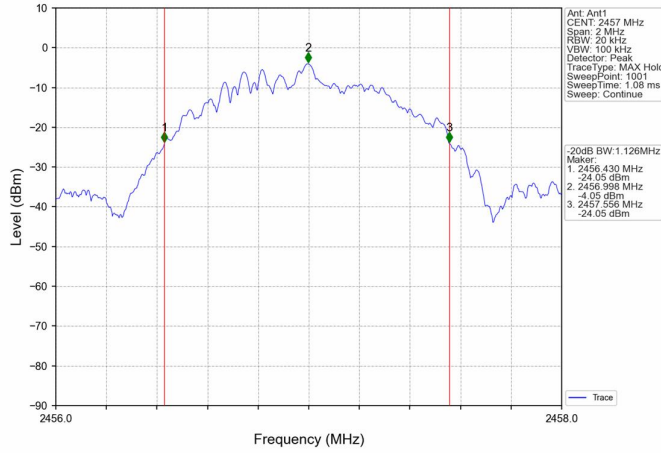
### Test result

Frequency MHz	Mode	20dB bandwidth MHz	Result
2457 MHz	1M bps	1.126	Pass
2457 MHz	2M bps	2.216	Pass

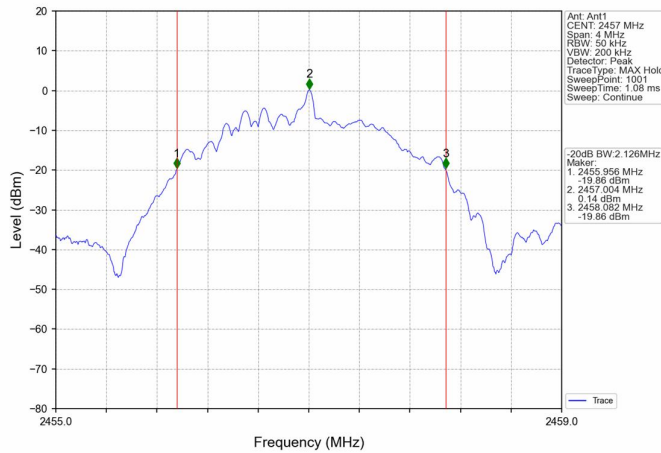
Test Graphs as below:



1M ANT+\_Ant0\_2457



2M ANT+\_Ant0\_2457





### 9.3 99% bandwidth

#### Test Method of 99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW. Set RBW = 1 % to 5 % of the OBW  
Set VBW ≥ 3 RBW Trace mode = max hold. Sweep = auto couple.  
Allow the trace to stabilize.
3. Use the 99 % power bandwidth function of the instrument.
4. Record the results in the test report.

#### Limit

Limit [kHz]

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#### Test result

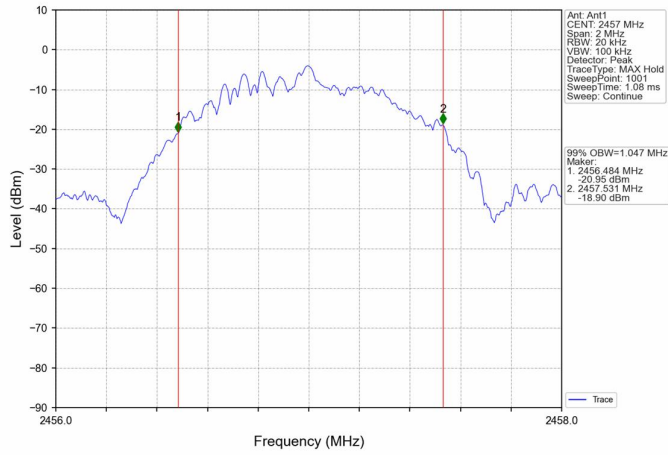
Frequency MHz	Mode	99% bandwidth MHz	Result
2457 MHz	1 Mbps	1.047	Pass
2457 MHz	2 Mbps	2.047	Pass

Test Graphs as below:

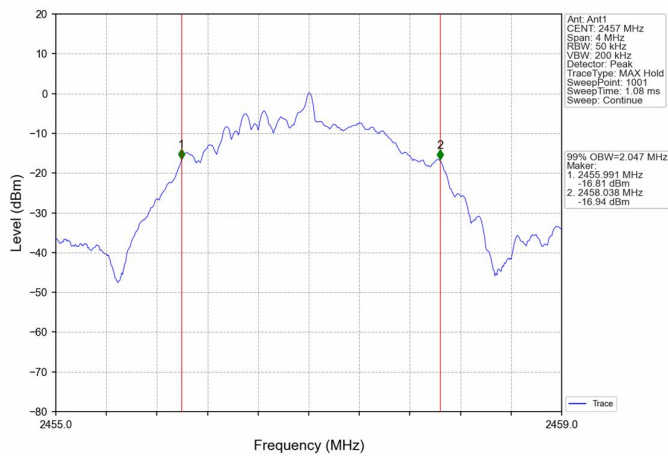




1M ANT+\_Ant0\_2457



2M ANT+\_Ant0\_2457



## 9.4 Radiated Emissions

### Test Method

1. The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. Use the following spectrum analyzer settings According to C63.10:

#### Procedure for Unwanted Emissions Measurements Below 1000 MHz

Span = wide enough to capture the peak level of the in-band emission and all spurious  
 RBW = 100 KHz to 120KHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

#### For Peak unwanted emissions Above 1GHz:

Span = wide enough to capture the peak level of the in-band emission and all spurious  
 RBW = 1MHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

#### Procedures for average unwanted emissions measurements above 1000 MHz

- a) RBW = 1MHz.
- b) VBW  $\geq [3 \times \text{RBW}]$ .
- c) Detector = RMS (power averaging), if  $[\text{span} / (\# \text{ of points in sweep})] \geq \text{RBW} / 2$ . Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
- d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
- e) Sweep time = auto.
- f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of  $1 / D$ , where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
- g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

- 1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is  $[10 \log (1 / D)]$ , where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
- 2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is  $[20 \log (1 / D)]$ , where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.
- 3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission(AV) at frequency above 1GHz.

## Limit

According to §15.249 (a) & RSS-210 B.10, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

According to §15.249 (c) & RSS-GEN 8.9, Field strength limits are specified at 3 meters distance. According to §15.249 (d) & RSS-GEN, Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209 & RSS-GEN 8.9, whichever is the lesser attenuation.

According to §15.205 Unwanted emissions falling into restricted bands in §15.205 (a) & RSS-GEN 8.10 shall comply with the limits specified in §15.209 & RSS-GEN 8.9.

Frequency MHz	Field Strength uV/m	Field Strength dBµV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

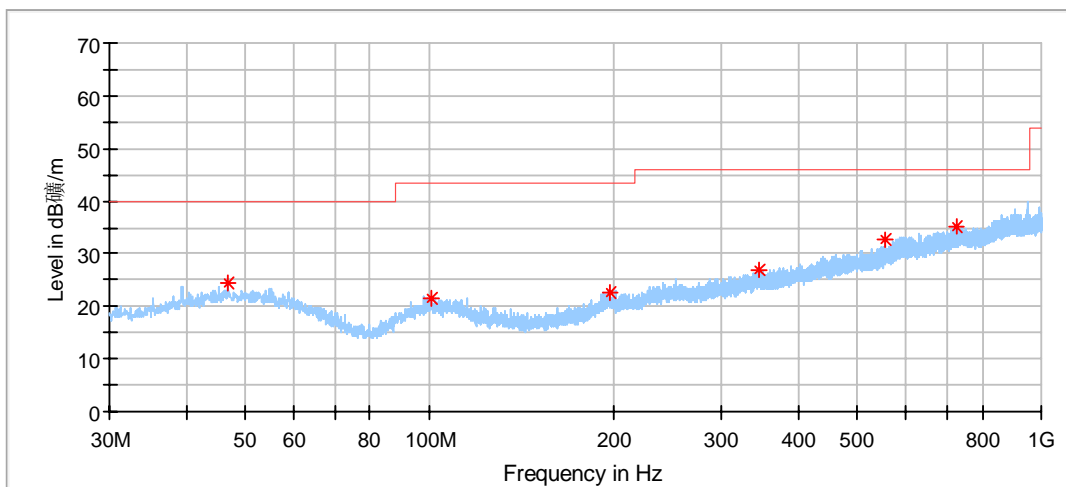
### Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

### Transmitting spurious emission test result as below:

Test data\_30MHz to 1000MHz  
ANT+ 1 Mbps

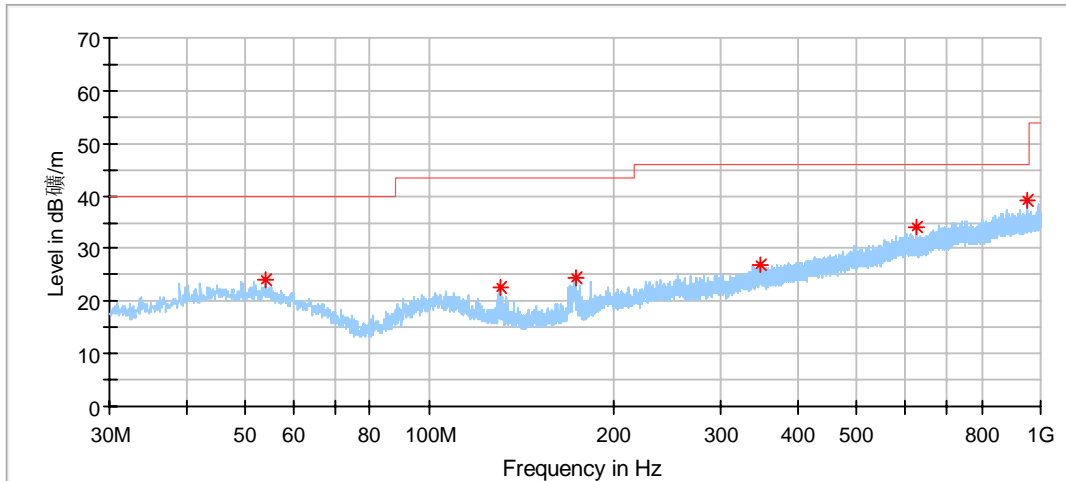
### Spurious emission



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.975000	24.37	40.00	15.63	100.0	H	296.0	18.35
100.540556	21.56	43.50	21.94	200.0	H	174.0	15.87
196.786111	22.64	43.50	20.86	100.0	H	37.0	16.14
344.872778	26.92	46.00	19.08	200.0	H	1.0	19.74
556.440556	32.68	46.00	13.32	200.0	H	0.0	23.71
726.513889	35.30	46.00	10.70	100.0	H	0.0	26.52

Test data\_30MHz to 1000MHz  
ANT+ 1 Mbps

### Spurious emission

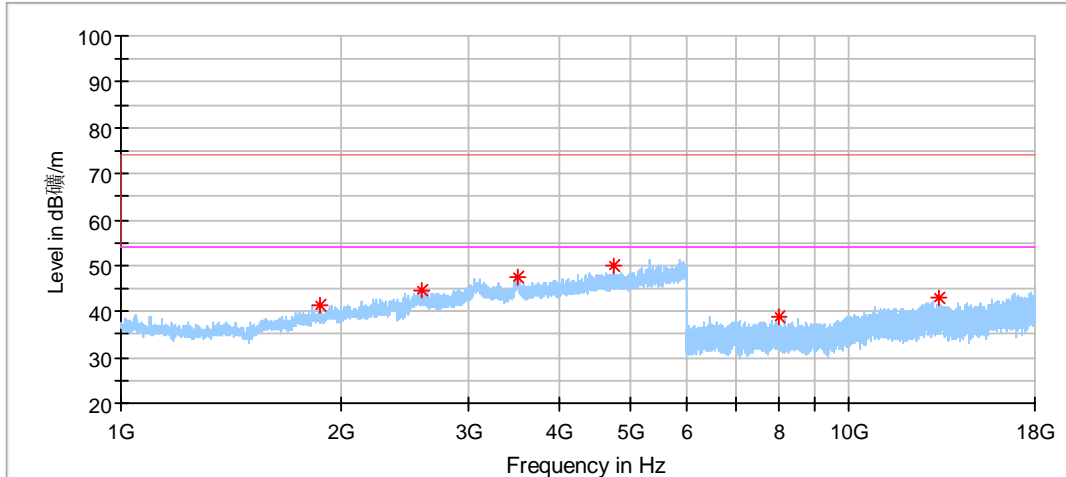


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.926667	24.14	40.00	15.86	100.0	V	65.0	17.91
130.502778	22.71	43.50	20.79	100.0	V	297.0	12.99
173.290556	24.45	43.50	19.05	100.0	V	340.0	13.44
349.237778	26.97	46.00	19.03	100.0	V	271.0	19.85
626.603889	34.02	46.00	11.98	100.0	V	252.0	24.92
953.978889	39.19	46.00	6.81	100.0	V	314.0	29.11



Test data 1GHz to 18GHz:  
ANT+ 1 Mbps

### Spurious emission



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1882.000000	41.35	74.00	32.65	150.0	H	13.0	-5.36
2592.000000	44.70	74.00	29.30	150.0	H	4.0	-1.38
3512.500000	47.62	74.00	26.38	150.0	H	304.0	3.05
4739.500000	50.04	74.00	23.96	150.0	H	157.0	3.81
8022.500000	39.01	74.00	34.99	150.0	H	252.0	6.69
13315.500000	43.05	74.00	30.95	150.0	H	228.0	11.60

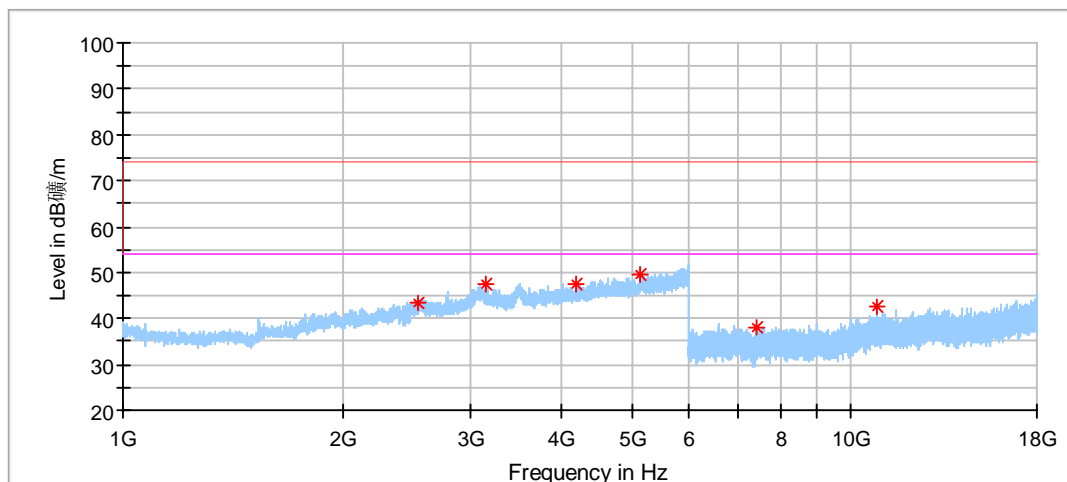
### Fundamental Wave

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector PK/QP/AV	Corr. (dB)	Pol
2457.000000	88.75	114.00	25.25	Peak	-2.79	H
2457.000000	80.22	94.00	13.78	AV	-2.79	H



Test data 1GHz to 18GHz:  
ANT+ 1 Mbps

### Spurious emission



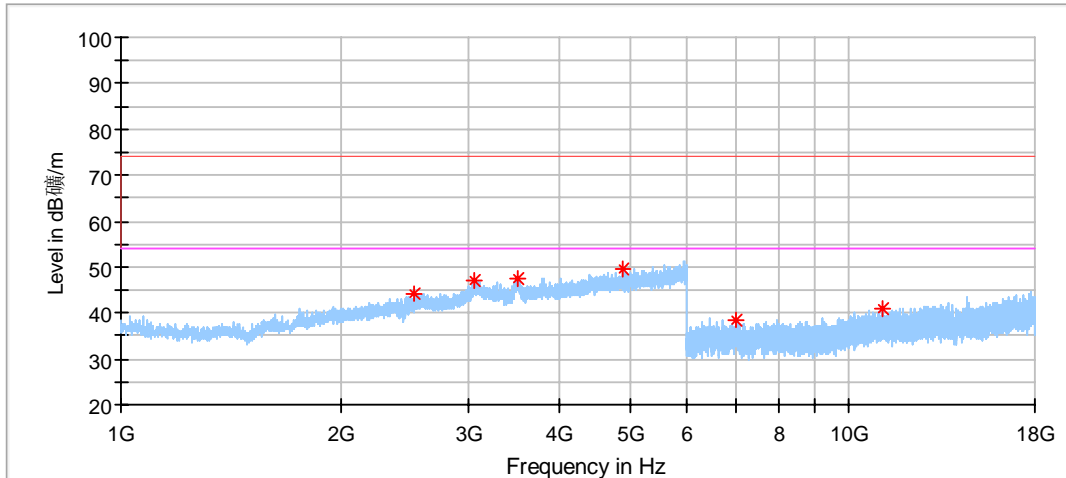
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2540.500000	43.57	74.00	30.43	150.0	V	305.0	-1.72
3151.500000	47.55	74.00	26.45	150.0	V	257.0	0.66
4188.000000	47.69	74.00	26.31	150.0	V	245.0	2.05
5145.500000	49.60	74.00	24.40	150.0	V	329.0	4.80
7413.500000	38.16	74.00	35.84	150.0	V	329.0	5.94
10867.000000	42.41	74.00	31.59	150.0	V	228.0	9.93

### Fundamental Wave

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector PK/QP/AV	Corr. (dB)	Pol
2457.000000	84.84	114.00	29.16	Peak	-2.79	V
2457.000000	79.67	94.00	14.33	AV	-2.79	V



Test data 1GHz to 18GHz:  
ANT+ 2 Mbps



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2529.000000	44.41	74.00	29.59	150.0	H	292.0	-1.82
3067.500000	46.94	74.00	27.06	150.0	H	350.0	1.35
3505.000000	47.39	74.00	26.61	150.0	H	13.0	3.49
4905.000000	49.53	74.00	24.47	150.0	H	38.0	4.10
6981.500000	38.54	74.00	35.46	150.0	H	131.0	5.63
11128.000000	40.74	74.00	33.26	150.0	H	107.0	10.35

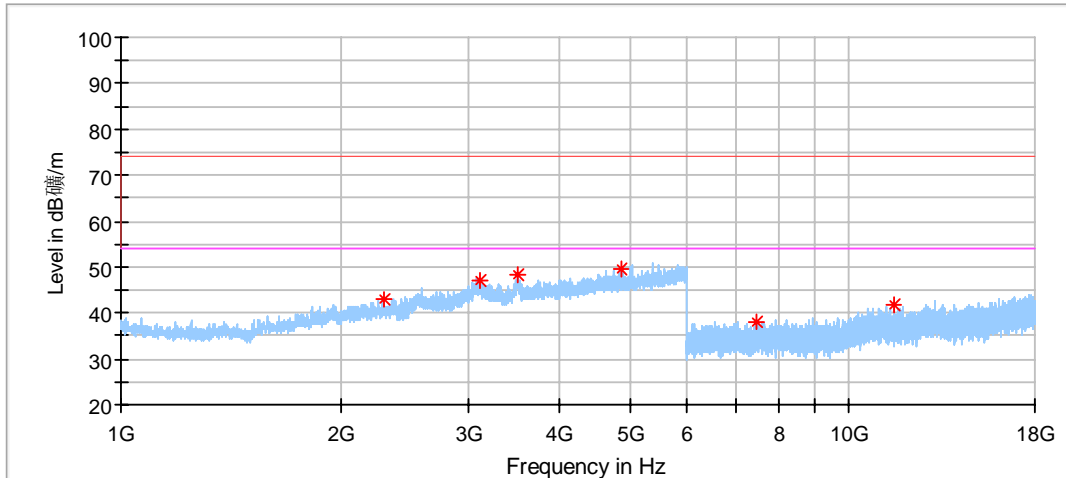
### Fundamental Wave

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector PK/QP/AV	Corr. (dB)	Pol
2457.000000	82.05	114.00	31.95	Peak	-2.79	H
2457.000000	79.50	94.00	14.50	AV	-2.79	H





Test data 1GHz to 18GHz:  
ANT+ 2 Mbps



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2295.500000	42.99	74.00	31.01	150.0	V	312.0	-3.55
3106.000000	46.96	74.00	27.04	150.0	V	275.0	1.43
3507.000000	48.45	74.00	25.55	150.0	V	100.0	3.37
4878.000000	49.70	74.00	24.30	150.0	V	74.0	4.03
7455.000000	38.11	74.00	35.89	150.0	V	32.0	6.11
11526.000000	41.77	74.00	32.23	150.0	V	9.0	10.43

### Fundamental Wave

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector PK/QP/AV	Corr. (dB)	Pol
2457.000000	80.24	114.00	33.76	Peak	-2.79	V
2457.000000	76.07	94.00	17.93	AV	-2.79	V

Remark:

- (1) Data of measurement within frequency range 9kHz-30MHz, 18-26GHz are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report.
- (2) We test the operated channel only and the worst case recorded in this report.
- (3) Corrected Amplitude = Read level + Corrector factor  
 Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain  
 Below 1GHz: Corrector factor = Antenna Factor + Cable Loss  
 (The Reading Level is recorded by software which is not shown in the sheet)

## 10 Test Equipment List

### List of Test Instruments

#### Radiated Emission Test (9kHz-30MHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2025-5-13
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-24
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

#### Radiated Emission Test (30MHz-1GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2025-5-13
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	68-4-80-14-002	707	1	2025-7-2
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-001	15542	1	2025-5-11
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A20	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

#### Radiated Emission Test (1GHz-18GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	68-4-74-14-002	101269	1	2025-5-13
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2025-4-10
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-001	100745	1	2025-5-11
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-002	100746	1	2025-5-11
Cable	OUQIAO	18DLB5-NMNM-7000	68-4-90-19-006-A22	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #2	68-4-90-19-006	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.02	N/A	N/A

**Radiated Emission Test (18GHz-40GHz)**

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	68-4-74-14-002	101269	1	2025-5-13
Sideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2025-7-2
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2025-7-17
Cable	JUNFLON	MWX241	68-4-90-19-006-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #2	68-4-90-19-006	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.02	N/A	N/A

**Conducted Emission at AC mains Test**

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-14-001	101782	1	2025-5-13
LISN	Rohde & Schwarz	ENV432	68-4-87-16-001	101318	1	2025-5-13
LISN	Rohde & Schwarz	ENV216	68-4-87-14-002	100326	1	2025-5-12
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2025-5-11
Cable	OUQIAO	RG142	68-4-90-19-004-A20	----	----	----
Test software	Rohde & Schwarz	EMC32	68-4-90-14-003-A10	Version9.15.00	N/A	N/A
Shielding Room	TDK	CSR #1	68-4-90-19-004	----	3	2025-10-15

**RF Conducted method Test**

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2025-5-11
RF Meas. and Switch Matrix Unit	TST PASS	TSCB3023R2	68-4-93-23-001	2811685c	1	2025-5-11
Cable	JUNFLON	J12J103539	68-4-90-19-003-A20	----	----	----
Cable	JUNFLON	J12J103539	68-4-90-19-003-A21	----	----	----
Cable	JUNFLON	J12J103539	68-4-90-19-003-A22	----	----	----
Test software	TST PASS	TST PASS	68-4-93-23-001-A03	Version 2.0	N/A	N/A
Test software	Tonscend	JS1120-3	68-4-74-14-006-A13	Version 2.6.77.0518	N/A	N/A
Shielding Room	TDK	TS8997	68-4-90-19-003	----	3	2025-10-15

## 11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted Emission in shielding room (68-4-90-19-004) 150kHz-30MHz (for test using AMN ENV432 or ENV4200)	3.26dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 9kHz-30MHz	4.69dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 30MHz-1000MHz	Horizontal: 4.78dB; Vertical: 5.85dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 1000MHz-18000MHz	Horizontal: 5.40dB; Vertical: 5.40dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 18GHz-40GHz	5.10dB
Uncertainty for Conducted RF test	RF Power Conducted: 1.31dB Frequency test involved: $0.6 \times 10^{-8}$ or 1%

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4.

---THE END OF REPORT---