
FCC Test Report

Report No.: AGC12018250501FE01

FCC ID : 2A8VP-GO60L

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : Go60 Ergonomic Keyboard

BRAND NAME : MoErgo

MODEL NAME : Go60

APPLICANT : Innaworks Development Limited

DATE OF ISSUE : Jun. 23, 2025

STANDARD(S) : FCC Part 15 Subpart B
ANSI C63.4-2014

REPORT VERSION : V1.0



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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 23, 2025	Valid	Initial release

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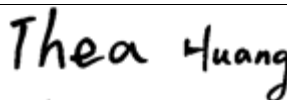
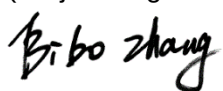
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1. General information

Applicant	Innaworks Development Limited
Address	115 Tirohanga Road, Lower Hutt, New Zealand
Manufacturer	Dongguan Agilian Technology Co., Ltd.
Address	Room 208, No. 47, East 1st Street, Xingfa South Road, Wusha, Chang'an Town, Dongguan City, Guangdong Province, China
Factory	Dongguan Agilian Technology Co., Ltd.
Address	Room 208, No. 47, East 1st Street, Xingfa South Road, Wusha, Chang'an Town, Dongguan City, Guangdong Province, China
Product Designation	Go60 Ergonomic Keyboard
Brand Name	MoErgo
Test Model	Go60
Series Model(s)	N/A
Difference Description	N/A
Deviation from Standard	No any deviation from the test method
Date of receipt of test item	May 22, 2025
Date of Test	May 22, 2025 – Jun. 23, 2025
Test Result	Pass
Test Report Form No	AGCER-EMC-GEN-V1
Note: The test results of this report relate only to the tested sample identified in this report.	

Prepared By		
	Thea Huang	
	(Project Engineer)	Jun. 23, 2025
Reviewed By		
	Bibo Zhang	
	(Reviewer)	Jun. 23, 2025
Approved By		
	Angela Li	
	(Authorized Officer)	Jun. 23, 2025

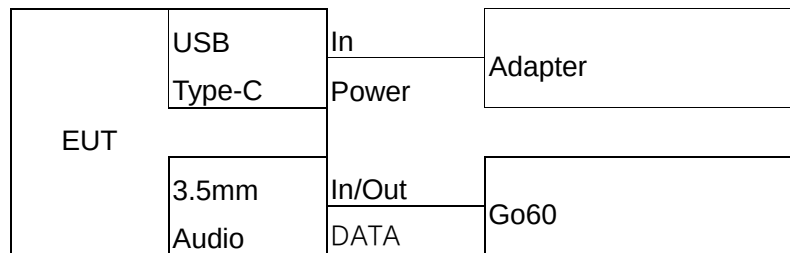
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2. Description of Test Configuration

2.1. Technical Description of Product

Categorization of Equipment	Class B equipment
Test arrangements of EUT	Table-top
Hardware Version	V1.0
Software Version	V1.0
Highest Internal Frequency	Greater than 108MHz
Power Supply	DC 3.7V by battery or DC 5V by adapter
Adapter Information	N/A
Battery Information	3.7V 1000mAH

Connection Diagram of Host System



I/O Port Information (☒Applicable ☐Not Applicable)

Port Type	Input/Output	Number	Cable Description
USB Type-C	In	1	--
3.5mm Audio	In/Out	1	--

2.2. Description of Support Equipment

Device Type	Manufacturer	Model Name	Serial No.	Data Cable	Power Cable
Redmi Notebook PC	Redmi	XMA2002-AB	--	--	--
Adapter	Xiaomi	MDY-11-EF	--	--	--

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2.3. Description of Test Modes

No.	Test Mode Description
1	USB data exchange mode(Wired split)
2	Standby mode with charging (Wired split)
3	Standby mode with charging(For right half)
4	Standby mode with charging(For left half)

Note:1. All modes are pre-tested for EMI and the worst mode is finally reflected

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3. Summary of Measurement Results and Uncertainty

3.1. Test Specifications

FCC Part 15 Subpart B	PART 15-RADIO FREQUENCY DEVICES Subpart B-Unintentional Radiators
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

3.2. Description of Measurement Results

Test items	Test Standard(s)	Verdict
Conducted emissions from the AC mains power ports	ANSI C63.4-2014	Pass
Radiated emissions at frequencies up to 1 GHz	ANSI C63.4-2014	Pass
Radiated emissions at frequencies above 1 GHz	ANSI C63.4-2014	Pass

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3.3. Description of Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty
Conducted emissions from the AC mains power ports	$U_c = \pm 2.9 \text{ dB}$
Radiated emissions at frequencies up to 1 GHz	$U_c = \pm 3.9 \text{ dB}$
Radiated emissions at frequencies above 1 GHz	$U_c = \pm 4.9 \text{ dB}$

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4. Test Facility

Laboratory name: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Laboratory Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L5488

Attestation of Global Compliance (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories).

A2LA-Lab Cert. No.: 5054.02

Attestation of Global Compliance (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This laboratory also meets the requirements of any additional program requirements in the Electrical field.

FCC-Registration No.: 975832

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

IC-Registration No.: 24842

CAB identifier: CN0063

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.

VCCI Membership No.: 4112

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered in accordance with VCCI Council Rules.

VCCI Registration No. C-20098 for conducted emissions at AC main power ports

VCCI Registration No. T-20102 for conducted emissions at telecommunication ports

VCCI Registration No. R-20136 for radiated emissions below 1GHz

VCCI Registration No. G-20132 for radiated emissions above 1GHz

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5. Measurement of Conducted Emissions from the AC Mains Power Ports

5.1. Requirements

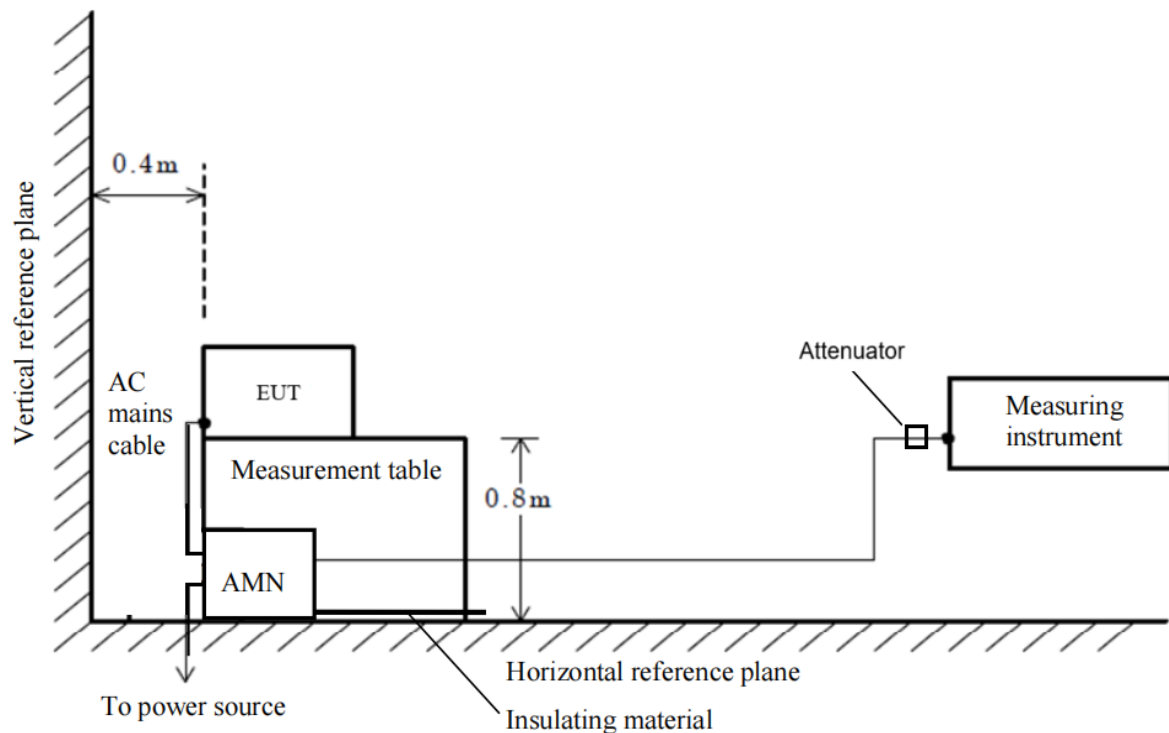
Requirements for conducted emissions, low voltage AC mains port

Network device	Detector type/ bandwidth	Frequency Range (MHz)	Limits dB(μV)	Measurement specifications
AMN	Quasi-peak/ 9kHz	0.15 to 0.5	66 to 56	ANSI C63.4-2014
		0.5 to 5	56	
		5 to 30	60	
	Average/ 9kHz	0.15 to 0.5	56 to 46	
		0.5 to 5	46	
		5 to 30	50	

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.5MHz.

5.2. Block Diagram of Test Setup



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5.3. Equipment Details

Measuring Instruments

Instruments No.	Instruments	Manufacturer	Model	S/N	Cal. Date	Cal. Due
AGC-EM-E116	Test Receiver	R&S	ESCI	100034	2025-05-08	2026-05-07
AGC-EM-A171	Attenuator	Mini-Circuits	UNAT-10A+	N/A	2024-02-01	2026-01-31
AGC-EM-E023	Artificial Mains Network	R&S	ESH2-Z5	100086	2025-05-08	2026-05-07

Measuring Software

Software No.	Software Name	Manufacturer	Details
AGC-EM-S001	ES-K1	R&S	For EMC Measurement, Version 1.71

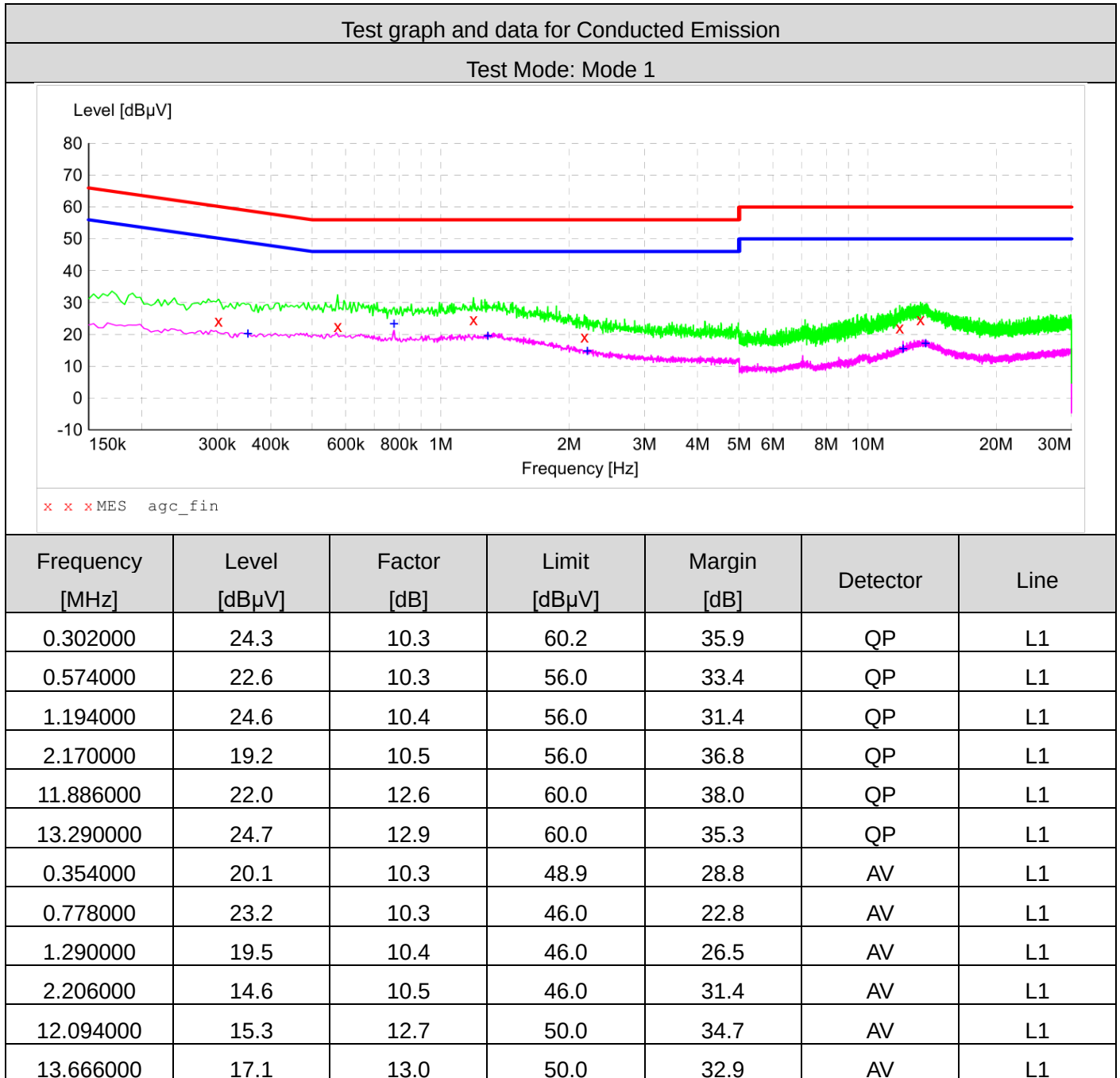
5.4. Configuration of the EUT and method of measurement

- The EUT was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, the EUT was placed on the top surface of a measurement table, 0.8 m high from the horizontal reference plane, and was positioned at a distance of 0.4 m away from the vertical reference plane. When the EUT is a floor-standing equipment, if the EUT normally does not make electrical contact with a ground plane, then insulating materials with thickness of up to 12 mm shall be used to cover the reference ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4-2014.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2014.
- The EMI receiver measured the emission levels emanating from the EUT into the AC Mains through an Artificial Mains Network (AMN) and an attenuator used on the front end of the EMI receiver. Testing included measurements on all live and neutral lines.
- The more description of the tests, the test methods, and the test set-ups are given in the applicable test standard.
- Record at least six highest emissions relative to the limits at each frequency of interest unless the emission is 10 dB or greater below the limit.
- A conducted emission is calculated by the following equation:
 - Measurement Level (dBμV) = Receiver reading (dBμV) + Tansd (dB)
 - Transd(dB)= AMN Factor(dB)+Cable Loss(dB)+Attenuation(dB)
 - Margin= Limit-Level

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5.5. Test Summary

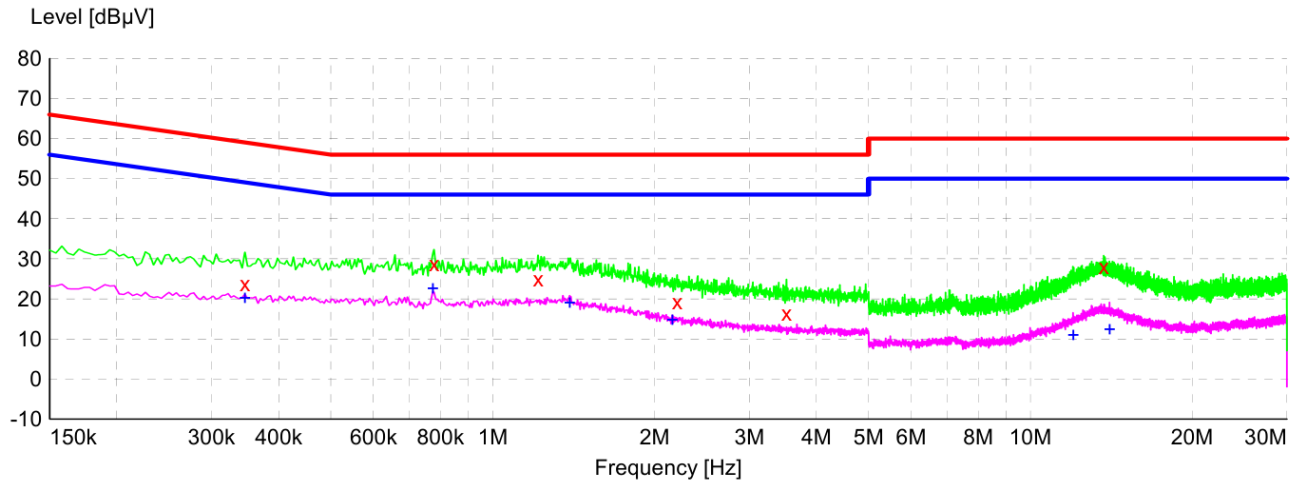
Test Engineer	Carpe Lin	Temperature	23.6°C
Test Date	2025-05-23	Air Pressure	985 Mbar
Worst Mode	Mode 1	Relative Humidity	55.3 %
Verdict	Pass		



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Test graph and data for Conducted Emission

Test Mode: Mode 1



x x x MES agc_fin

Frequency [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Detector	Line
0.346000	23.8	10.3	59.1	35.3	QP	N
0.778000	28.7	10.3	56.0	27.3	QP	N
1.214000	24.9	10.4	56.0	31.1	QP	N
2.202000	19.3	10.5	56.0	36.7	QP	N
3.518000	16.3	10.6	56.0	39.7	QP	N
13.678000	28.1	13.0	60.0	31.9	QP	N
0.346000	20.2	10.3	49.1	28.9	AV	N
0.774000	22.5	10.3	46.0	23.5	AV	N
1.390000	18.9	10.4	46.0	27.1	AV	N
2.158000	14.8	10.5	46.0	31.2	AV	N
12.010000	11.0	12.7	50.0	39.0	AV	N
14.038000	12.4	13.0	50.0	37.6	AV	N

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6. Measurement of Radiated Emissions at Frequencies up to 1 GHz

6.1. Requirements

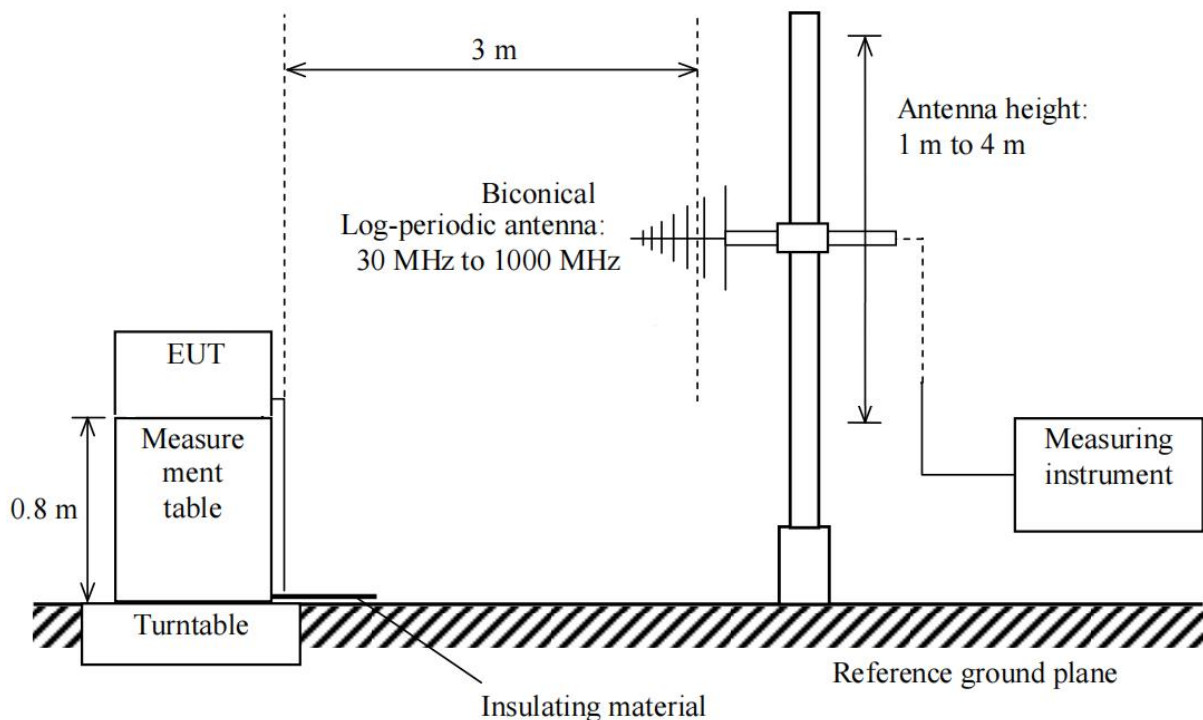
Requirements for radiated emissions at frequencies up to 1 GHz at 3m distance

Test facility	Detector type/ bandwidth	Frequency Range (MHz)	Limits dB(μ V/m)	Measurement specifications
SAC	Quasi-peak/ 120kHz	30 to 88	40	ANSI C63.4-2014
		88 to 216	43.5	
		216 to 960	46	
		960 to 1000	54	

Note:

1. The lower limit shall apply at the transition frequency.

6.2. Block Diagram of Test Setup



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6.3. Equipment Details

Measuring Instruments

Instruments No.	Instruments	Manufacturer	Model	S/N	Cal. Date	Cal. Due
AGC-EM-A138	Attenuator	East sheep	LM-XX-6-5W	N/A	2025-05-16	2027-05-15
AGC-EM-E001	Antenna	SCHWARZBECK	VULB9168	D69250	2025-03-14	2027-03-13
AGC-EM-E046	Test Receiver	R&S	ESCI	100096	2025-01-14	2026-01-13

Measuring Software

Software No.	Software Name	Manufacturer	Details
AGC-EM-S003	EZ-EMC	FARA	For EMC Measurement, Version RA-03A

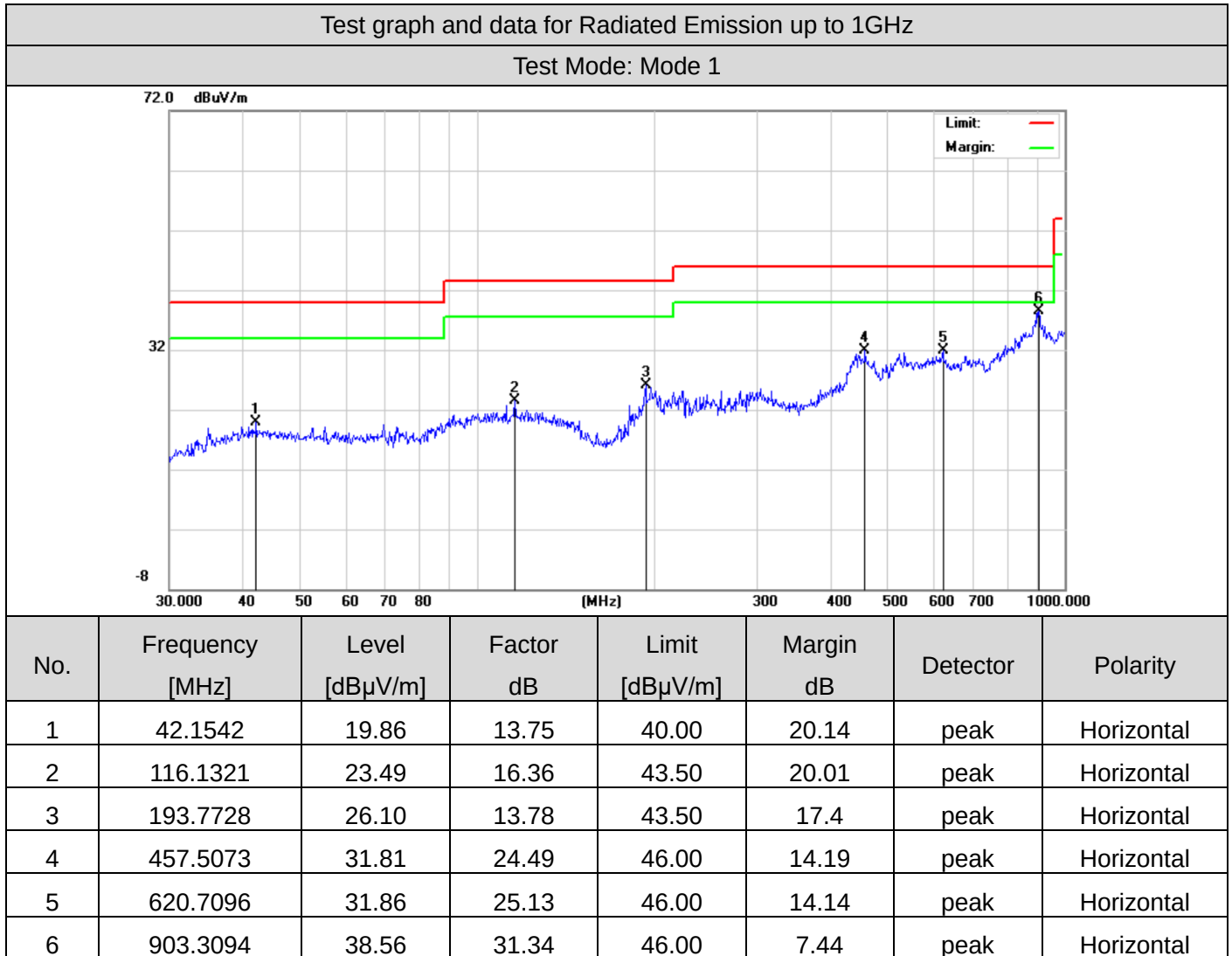
6.4. Configuration of the EUT and method of measurement

- The EUT was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, the EUT was placed on the top surface of a measurement table, 0.8 m high from the horizontal reference plane. When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 10 cm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The maximum receiving level of radiated emissions from the EUT was measured while the turntable was rotated from 0° to 360° and the antenna height was scanned between 1 m and 4 m. The cables were laid out to attain the maximum level of radiated emissions.
- The more description of the tests, the test methods, and the test set-ups are given in the applicable test standard.
- Record at least six highest emissions relative to the limits at each frequency of interest unless the emission is 10 dB or greater below the limit.
- A radiated emission is calculated by the following equation:
 - Measurement Level dB(μV/m) = Receiver reading dB(μV) + Factor(dB/m)
 - Factor(dB/m) = Antenna Factor(dB/m) + Cable Loss(dB)
 - Margin= Limit-Level

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6.5. Test Summary

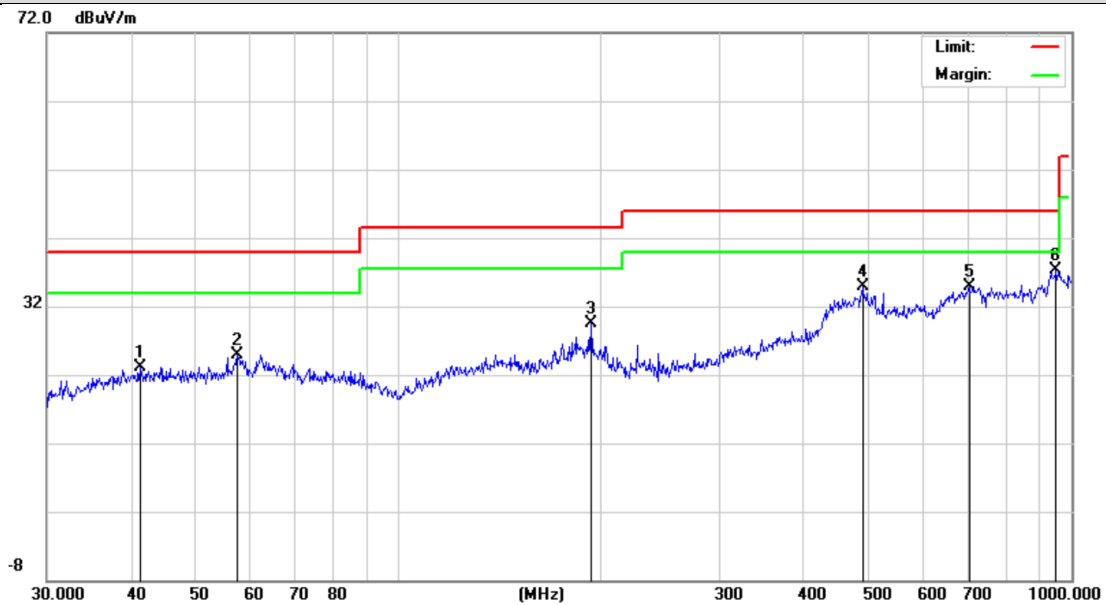
Test Engineer	Alex Yang	Temperature	22.0°C
Test Date	2025-05-24	Air Pressure	985 Mbar
Worst Mode	Mode 1	Relative Humidity	54.1 %
Verdict	Pass		



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Test graph and data for Radiated Emission up to 1GHz

Test Mode: Mode 1



No.	Frequency [MHz]	Level [dBμV/m]	Factor dB	Limit [dBμV/m]	Margin dB	Detector	Polarity
1	41.2765	23.10	16.91	40.00	16.9	peak	Vertical
2	57.5939	24.86	17.08	40.00	15.14	peak	Vertical
3	193.0945	29.45	18.11	43.50	14.05	peak	Vertical
4	489.0269	34.84	23.94	46.00	11.16	peak	Vertical
5	704.2261	34.92	28.25	46.00	11.08	peak	Vertical
6	948.7610	37.25	30.65	46.00	8.75	peak	Vertical

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7. Measurement of Radiated Emissions at Frequencies Above 1 GHz

7.1. Requirements

Requirements for radiated emissions at frequencies above 1 GHz at 3m distance

Test facility	Detector type/ bandwidth	Frequency Range (MHz)	Limits dB(μ V/m)	Measurement specifications
FSOATS	Peak/ 1MHz	1000 to F ^{Note}	74	ANSI C63.4-2014
	Average/ 1MHz	1000 to F ^{Note}	54	

Note:

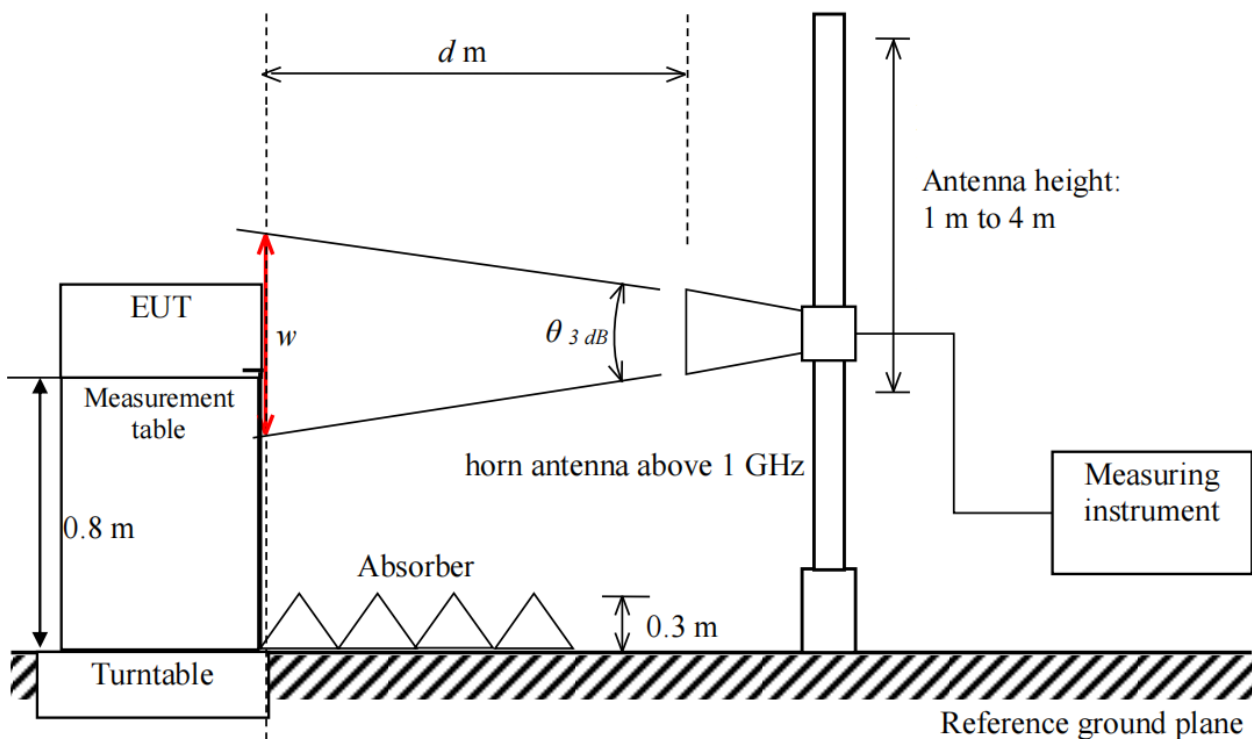
f = Highest frequency generated or used in the device or on which the device operates or tunes (MHz).

if $108 < f \leq 500$, F is 2000MHz.

if $500 < f \leq 1000$, F is 5000MHz.

if $f > 1000$, F is 5th harmonic of the highest frequency or 40 GHz, whichever is lower.

7.2. Block Diagram of Test Setup



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7.3. Equipment Details

Measuring Instruments

Instruments No.	Instruments	Manufacturer	Model	S/N	Cal. Date	Cal. Due
AGC-EM-E061	Signal Analyzer	Keysight	N9010A	MY53470504	2025-05-08	2026-05-07
AGC-EM-E102	Antenna	ETS	3117	00154520	2025-05-18	2026-05-17
AGC-EM-E146	Preamplifier	ETS	3117PA	00246148	2024-07-24	2026-07-23

Measuring Software

Software No.	Software Name	Manufacturer	Details
AGC-EM-S004	TS+[JS32-RE]	Tonscend	For EMC Measurement, Version 4.0.0.0

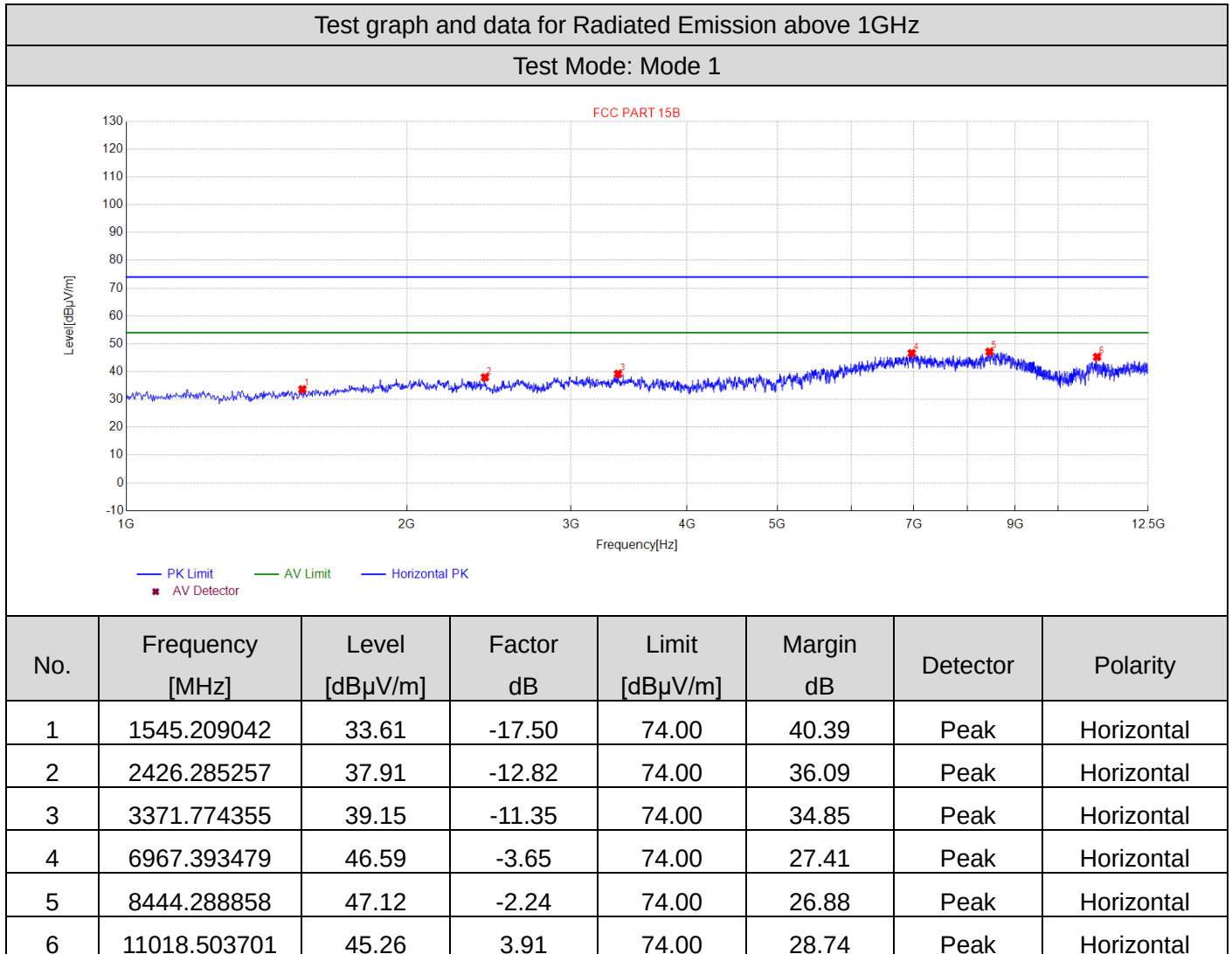
7.4. Configuration of the EUT and method of measurement

- The EUT was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, the EUT was placed on the top surface of a measurement table, 0.8 m high from the horizontal reference plane. When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 10 cm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The maximum receiving level of radiated emissions from the EUT was measured while the turntable was rotated from 0° to 360° and the antenna height scanned from 1 m to a height equal to the top of the EUT on the setup table or, if the 3 dB beam width of the antenna encompasses the EUT, fixed at a height encompassing the EUT. The cables were laid out to attain the maximum level of radiated emissions.
- The more description of the tests, the test methods, and the test set-ups are given in the applicable test standard.
- Record at least six highest emissions relative to the limits at each frequency of interest unless the emission is 10 dB or greater below the limit.
- A radiated emission is calculated by the following equation:
 - Measurement Level dB(μV/m) = Receiver reading dB(μV) + Factor(dB/m)
 - Factor(dB/m) = Antenna Factor(dB/m) + Cable Loss(dB) – Amplifier Gain(dB)
 - Margin= Limit-Level

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7.5. Test Summary

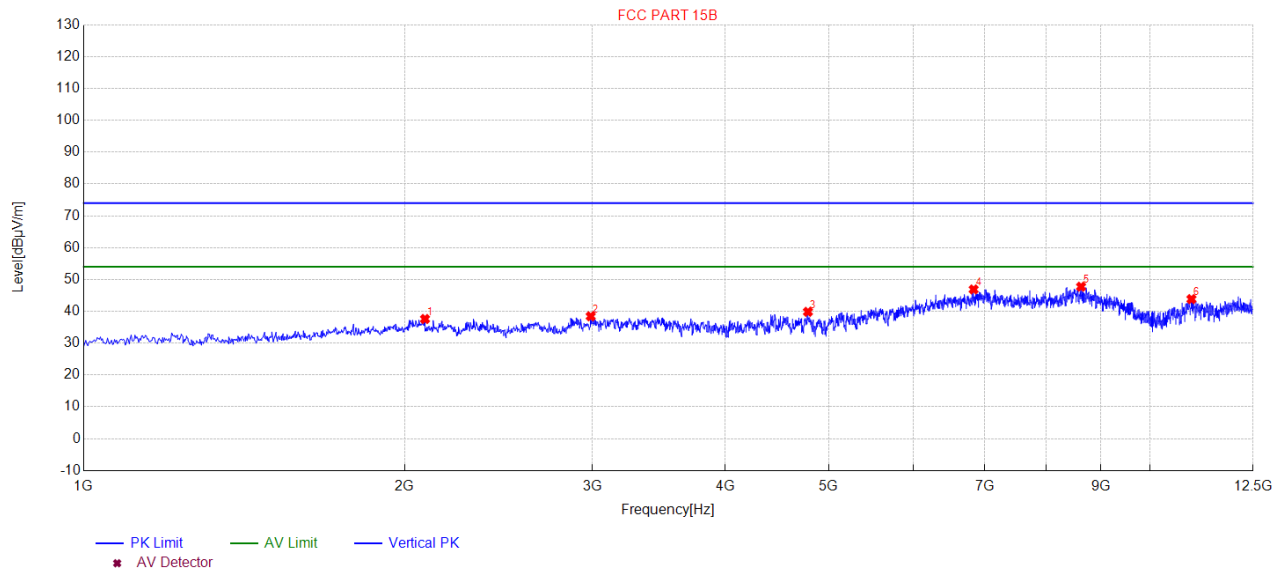
Test Engineer	Alex Yang	Temperature	22.0°C
Test Date	2025-05-24	Air Pressure	985 Mbar
Worst Mode	Mode 1	Relative Humidity	54.1 %
Verdict	Pass		



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Test graph and data for Radiated Emission above 1GHz

Test Mode: Mode 1



No.	Frequency [MHz]	Level [dBμV/m]	Factor dB	Limit [dBμV/m]	Margin dB	Detector	Polarity
1	2090.418084	37.59	-13.91	74.00	36.41	Peak	Vertical
2	2989.89798	38.44	-12.08	74.00	35.56	Peak	Vertical
3	4779.655931	39.84	-9.27	74.00	34.16	Peak	Vertical
4	6836.267254	46.88	-4.08	74.00	27.12	Peak	Vertical
5	8621.424285	47.73	-2.04	74.00	26.27	Peak	Vertical
6	10942.588518	43.83	3.75	74.00	30.17	Peak	Vertical

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8. Photographs of Test Setup

Refer to the Report No.: AGC12018250501AP04

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9. Photographs of EUT

Refer to the Report No.: AGC12018250501AP03

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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
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7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

----End of Report----

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