Prüfbericht-Nr.: *Test report no.*:	**CN26TZG2 001**	**Auftrags-Nr.:** *Order no.*:	168554771	Seite 1 von 14 *Page 1 of 14*
Kunden-Referenz-Nr.: *Client reference no.*:	N/A	**Auftragsdatum:** *Order date:*	2025-05-19	
Auftraggeber: *Client*:	**AgiBot Innovation (Shanghai) Technology Co., Ltd.** 8/F, Building 29, No.2555 Xiupu Road, Pudong New Area, Shanghai 200120, China			
Prüfgegenstand: *Test item*:	Humanoid Robot			
Bezeichnung / Typ-Nr.: *Identification / Type no.*:	X2, X2 Ultra			
Auftrags-Inhalt: *Order content*:	Test Report			
Prüfgrundlage: *Test specification*:	CFR Title 47 FCC Part 15, Subpart B ICES-003 Issue 7 October 2020			

Wareneingangsdatum: *Date of sample receipt*:	2025-11-15	Refer to photo document
Prüfmuster-Nr.: *Test sample no:*	A004118556-001~003	
Prüfzeitraum: *Testing period*:	2025-11-17 - 2025-11-21	
Ort der Prüfung: *Place of testing*:	Refer to section 2.1	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result**:	Pass	

geprüft von: tested by:	x Bell Hu Signed by: Bell Hu	**genehmigt von:** *authorized by*:	X Jonathan Li Signed by: Jonathan Li
Datum: *Date:* 2026-03-28		**Ausstellungsdatum:** *Issue date:* 2026-03-28	
Stellung / Position:	Sachverständige(r)/Expert	**Stellung** / Position:	Sachverständige(r)/Expert

Sonstiges / *Other*: FCC ID: 2BTPT-LX2501

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery*: Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

* 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.
This test report only relates to the above mentioned 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.

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. *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.* *Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.*
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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. *Test clauses with remark of * are subcontracted to qualified subcontractors and descripted under the respective test clause in the report.* *Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.*
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnisen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, 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 bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. *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 115:2023, 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.*

Test Summary

5.1.1 CONDUCTED EMISSION ON AC MAINS
RESULT: Pass

5.1.2 RADIATED EMISSIONS
RESULT: Pass

Table of Contents

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 FCC 15B & ICES-003

Appendix B: 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 Cert. No.: 5162.01

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

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	2026-07-18
EMC32 Test Software	R&S	EMC32(Ver.10.60.20)	N/A	N/A
Radiated Emission (3m chamber)				
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
3m SAC	ETS-Lindgren	SAC3	CT001632-Q1362	2027-09-11
EMI Test Receiver	R&S	ESR7	102111	2026-07-18
Active Magnetic Loop Antenna	Schwarzbeck	FMZB1519B	00080	2026-07-30
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	0945	2026-07-18
Spectrum Analyzer	R&S	FSV40-N	102030	2026-10-29
Horn Antenna	R&S	HF907	102706	2027-07-31
SHF-EHF Horn	Schwarzbeck	BBHA 9170	01384	2026-10-29
Preamplifier(1-18GHz)	Schwarzbeck	BBV 9721	00140	2026-10-29
Preamplifier (9KHz-18GHz)	R&S	SCU-18F	180076	2026-07-17
2400-2500mhz Notch Filter/SMA	WARISON	WFIL-N2400-2500F-05	WRN2BNW2B1	2026-02-09
EMC32 Test Software	R&S	EMC32(Ver.10.60.20)	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 basics 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
Radiated Emission (10m SAC), 30MHz to 1000MHz	± 4.66 dB
Radiated Emission (10m SAC), above 1000MHz	± 4.35 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B 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 Humanoid Robot.

For details refer to the User Manual.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Humanoid Robot
Trade Mark:	AGIBOT
Type Designation:	X2, X2 Ultra; X2 Ultra and X2 are electrically identical, only different in appearance colors and the configurations on the modules for future use. Full test was made on X2 Ultra.
FCC ID:	2BTPT-LX2501
Opearting Voltage:	Charging: 100-240VAC, 50/60Hz via the adapter Normal Operating: 48V DC Battery Powered.
Testing Voltage:	Charging: 120VAC, 60Hz via the adapter Normal Operating: 48V DC Battery Powered.
AC/DC adapter:	Input: 100-240VAC, 50/60Hz OUTPUT:54.6V/10.0 A Model: FY600546100000 Manufacturer: Zhejiang Fudian Intelligent Technology Co.,Ltd.
Interface Port:	1* power port for charging

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Normal Operating with all wireless connecting

The Humanoid Robot utilizes a program that gives the equipment a kind of artificial intelligence be able to operate the intended functions while stationary, under the special software setting by the manufacturer, the motors in operating.

B. On, Charging via the AC/DC Adapter

Note: The normal functions of the robot will be off during the charging.

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

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

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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 tests were performed according to the procedures in ANSI C63.4: 2014.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Portable Laptop	Lenovo	ThinkPad T480	SN:10Q67059

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)

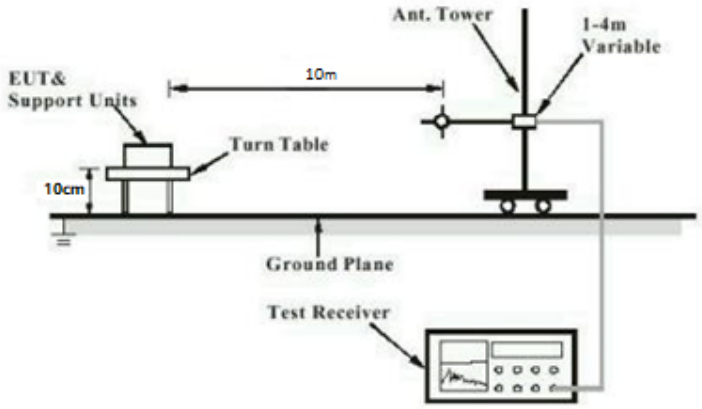


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

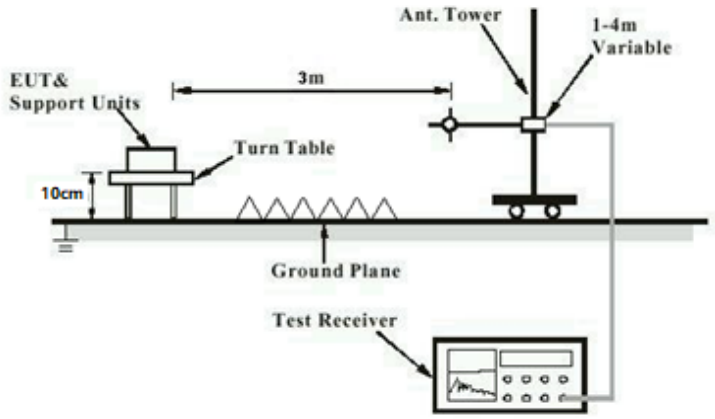
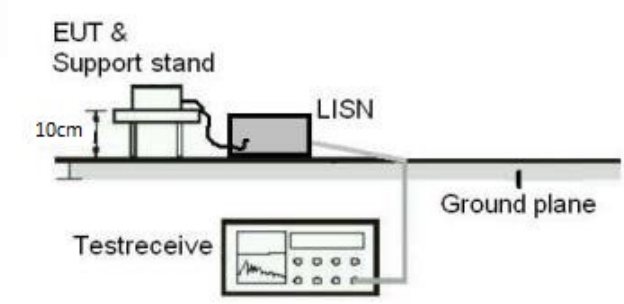


Diagram of Measurement Configuration for Mains Conduction Measurement



5 Test Results

5.1.1 Conducted Emission on AC Mains

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.107(a) ICES-003 Section 3.2.1
Basic standard	:	ANSI C63.4:2014
Frequency range	:	0.15 - 30MHz
Classification	:	Class A
Limits	:	FCC Part 15.107(a) ICES-003 Table 1
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-11-17 to 2025-11-21
Input voltage	:	AC 120V, 60Hz
Operation mode	:	B
Ambient temperature	:	23.2 ℃
Relative humidity	:	49.1 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

5.1.2 Radiated Emissions

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.109(a) ICES-003 Section 3.2.2
Basic standard	:	ANSI C63.4:2014
Frequency range	:	30MHz to 5th harmonic of the highest frequency
Classification	:	Class A
Limits	:	FCC Part 15.109(a) ICES-003 Table 2 & 4
Kind of test site	:	10m Semi-Anechoic Chamber

Test Setup

Date of testing	:	2025-11-17 to 2025-11-21
Input voltage	:	Charging: AC 120V, 60Hz Normal Operating: 48V Battery Powered (Robot)
Operation mode	:	A, B
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

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

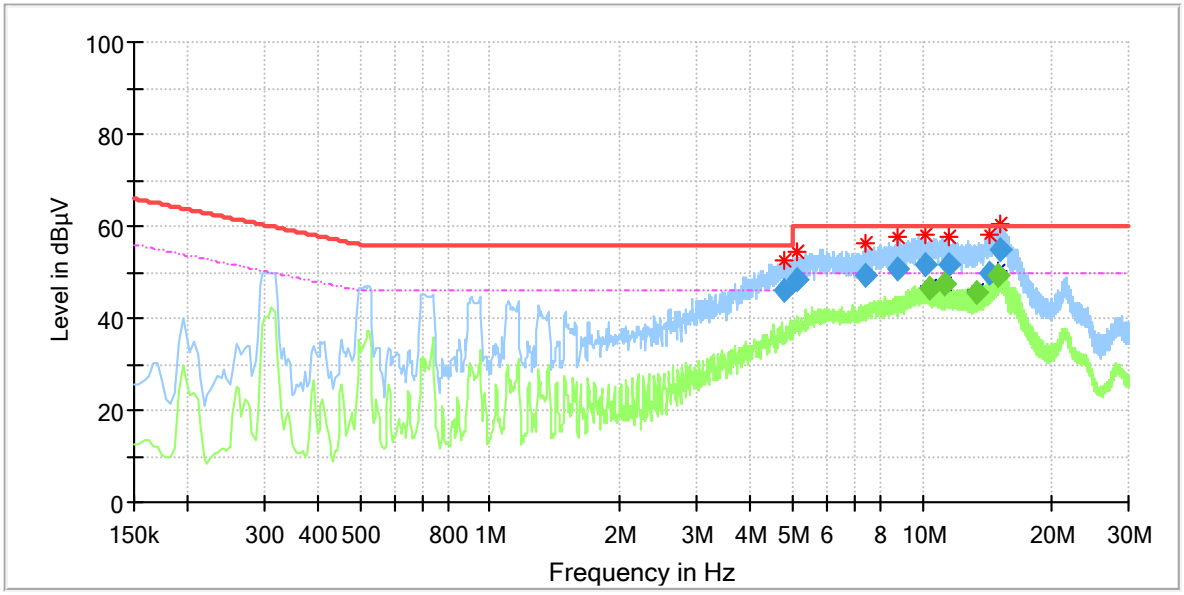
7 List of Tables

Appendix A: Test Results of FCC 15B & ICES-003

Appendix A.1: Test Plots of Conducted Emission on AC Mains

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Charging
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.3°C/51.0%/101kPa
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
4.80	52.67	---	56.00	3.33	N	10.42
5.15	54.22	---	60.00	5.78	N	10.44
7.38	56.48	---	60.00	3.52	N	10.54
8.75	57.54	---	60.00	2.46	N	10.60
10.12	57.92	---	60.00	2.08	N	10.66
10.37	---	46.75	50.00	3.25	N	10.66
11.27	---	47.27	50.00	2.73	N	10.68
11.50	57.48	---	60.00	2.52	N	10.68
13.35	---	45.94	50.00	4.06	N	10.71
14.29	58.17	---	60.00	1.83	N	10.73
14.96	---	50.37	50.00	-0.37	N	10.74
15.09	60.58	---	60.00	-0.58	N	10.74

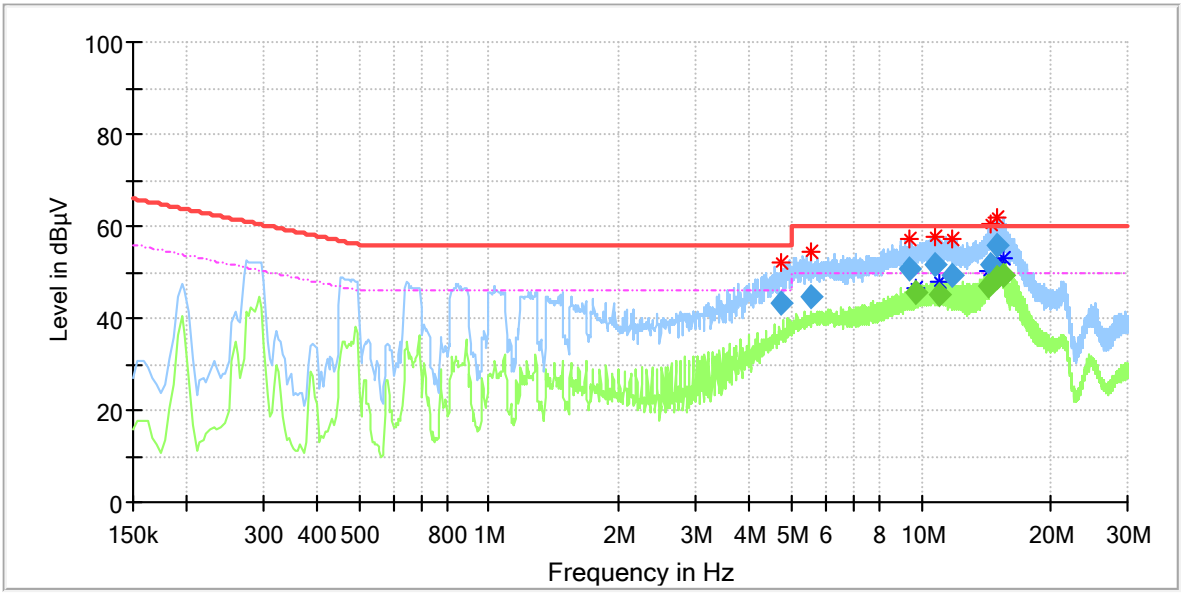
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
4.80	46.00	---	56.00	10.00	1000.00	9.00	N	10.42
5.15	48.55	---	60.00	11.45	1000.00	9.00	N	10.44
7.38	49.43	---	60.00	10.57	1000.00	9.00	N	10.54
8.75	50.61	---	60.00	9.39	1000.00	9.00	N	10.60
10.12	51.84	---	60.00	8.16	1000.00	9.00	N	10.66

10.37	---	46.72	50.00	3.28	1000.00	9.00	N	10.66
11.27	---	47.53	50.00	2.47	1000.00	9.00	N	10.68
11.50	51.53	---	60.00	8.47	1000.00	9.00	N	10.68
13.35	---	45.56	50.00	4.44	1000.00	9.00	N	10.71
14.29	49.75	---	60.00	10.25	1000.00	9.00	N	10.73
14.96	---	49.37	50.00	0.63	1000.00	9.00	N	10.74
15.09	54.76	---	60.00	5.24	1000.00	9.00	N	10.74

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Charging
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.3°C/51.0%/101kPa
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
4.75	52.09	---	56.00	3.91	L1	10.42
5.52	54.45	---	60.00	5.55	L1	10.46
9.35	57.14	---	60.00	2.86	L1	10.63
9.67	---	46.45	50.00	3.56	L1	10.64
10.77	57.76	---	60.00	2.24	L1	10.68
10.96	---	47.83	50.00	2.17	L1	10.68
11.82	57.41	---	60.00	2.59	L1	10.70
14.32	---	50.27	50.00	-0.27	L1	10.75
14.43	60.42	---	60.00	-0.42	L1	10.76
14.96	61.95	---	60.00	-1.95	L1	10.77
15.02	---	52.24	50.00	-2.24	L1	10.77
15.54	---	52.94	50.00	-2.94	L1	10.81

Final_Result

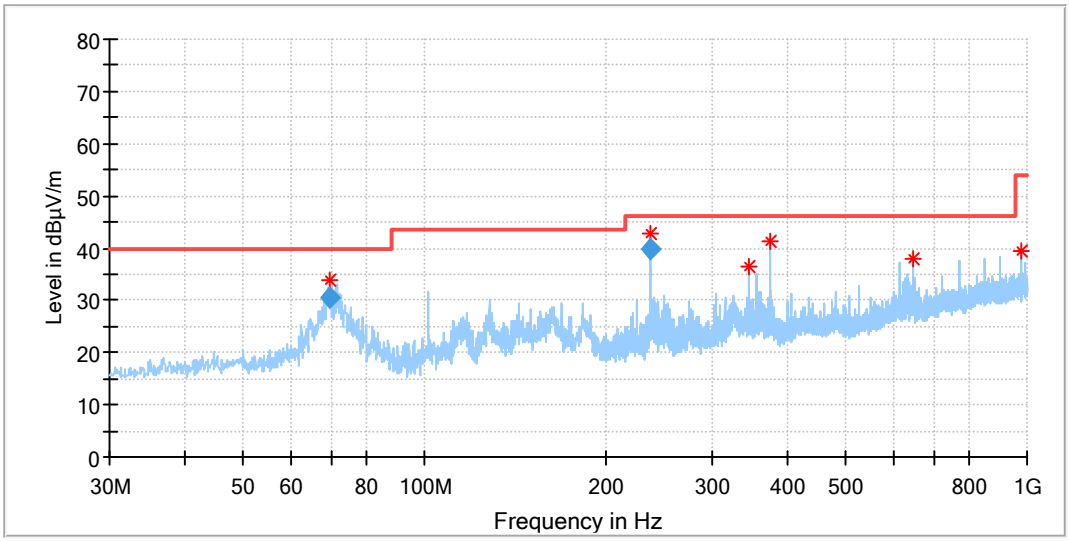
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
4.75	43.20	---	56.00	12.80	1000.00	9.00	L1	10.42
5.52	44.53	---	60.00	15.47	1000.00	9.00	L1	10.46
9.35	50.65	---	60.00	9.35	1000.00	9.00	L1	10.63
9.67	---	45.71	50.00	4.29	1000.00	9.00	L1	10.64
10.77	51.42	---	60.00	8.58	1000.00	9.00	L1	10.68
10.96	---	44.99	50.00	5.01	1000.00	9.00	L1	10.68
11.82	49.35	---	60.00	10.65	1000.00	9.00	L1	10.70
14.32	---	47.14	50.00	2.86	1000.00	9.00	L1	10.75

14.43	51.85	---	60.00	8.15	1000.00	9.00	L1	10.76
14.96	55.72	---	60.00	4.28	1000.00	9.00	L1	10.77
15.02	---	48.92	50.00	1.08	1000.00	9.00	L1	10.77
15.54	---	49.53	50.00	0.47	1000.00	9.00	L1	10.81

Appendix A.2: Test Plots of Radiated Emission, Below 1GHz

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Normal working
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.5°C/50.6%/101kPa
Remark:	3m chamber



Critical_Freqs

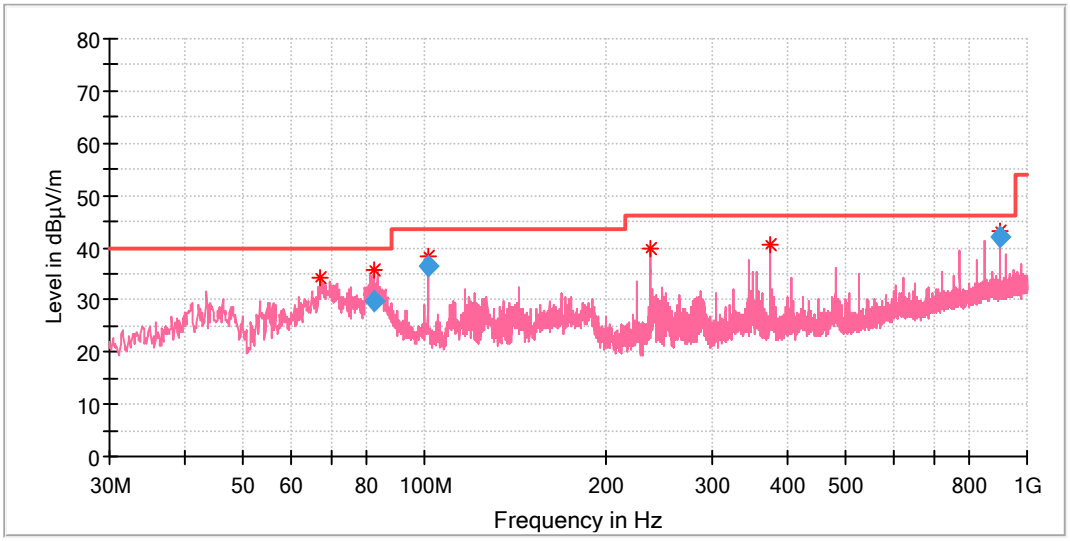
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
69.483040	33.96	40.00	6.04	200.0	H	188.0	18.5
236.551160	42.67	46.00	3.33	100.0	H	279.0	18.9
344.959000	36.51	46.00	9.49	100.0	H	347.0	22.5
374.932000	41.39	46.00	4.61	100.0	H	347.0	23.4
644.980000	37.94	46.00	8.06	100.0	H	0.0	29.5
975.071000	39.31	54.00	14.69	100.0	H	157.0	33.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
69.483040	30.57	40.00	9.43	1000.0	120.000	200.0	H	188.0	18.6
236.551160	39.92	46.00	6.08	1000.0	120.000	100.0	H	279.0	18.9

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Normal working
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.5°C/50.6%/101kPa
Remark:	3m chamber



Critical_Freqs

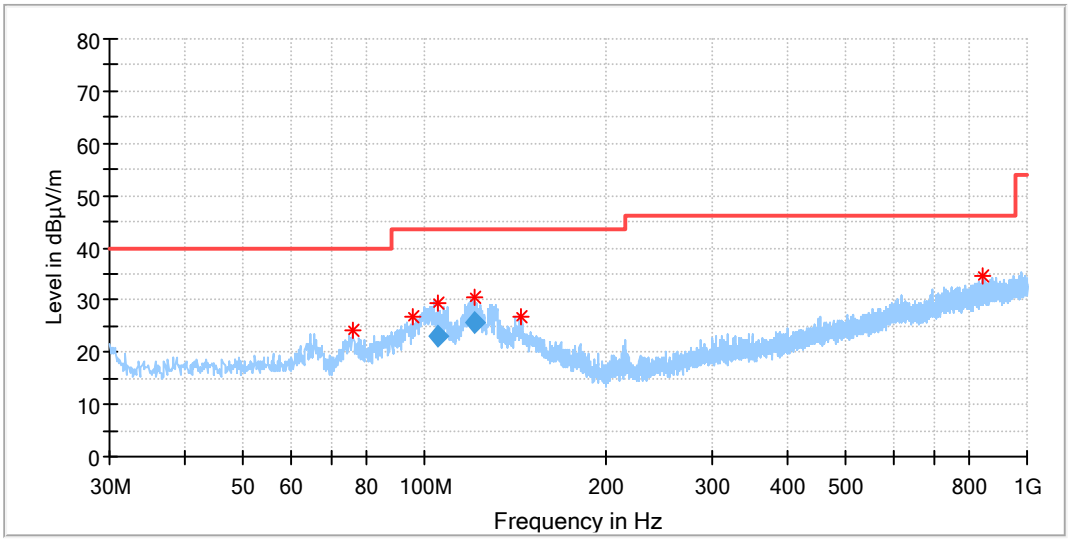
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
67.248000	34.11	40.00	5.89	100.0	V	257.0	18.9
82.664840	35.59	40.00	4.41	100.0	V	109.0	15.5
101.349760	38.17	43.50	5.33	100.0	V	232.0	16.3
236.610000	39.92	46.00	6.08	200.0	V	284.0	18.9
375.029000	40.54	46.00	5.46	100.0	V	286.0	23.4
899.946200	42.98	46.00	3.02	100.0	V	257.0	32.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
82.664840	29.71	40.00	10.29	1000.0	120.000	100.0	V	109.0	15.6
101.349760	36.28	43.50	7.22	1000.0	120.000	100.0	V	232.0	16.3
899.946200	41.90	46.00	4.10	1000.0	120.000	100.0	V	257.0	32.9

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Charging
Test Voltage:	AC 230V/50Hz
Test Standard:	EN 301489-1
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.5°C/50.6%/101kPa
Remark:	3M Chamber



Critical_Freqs

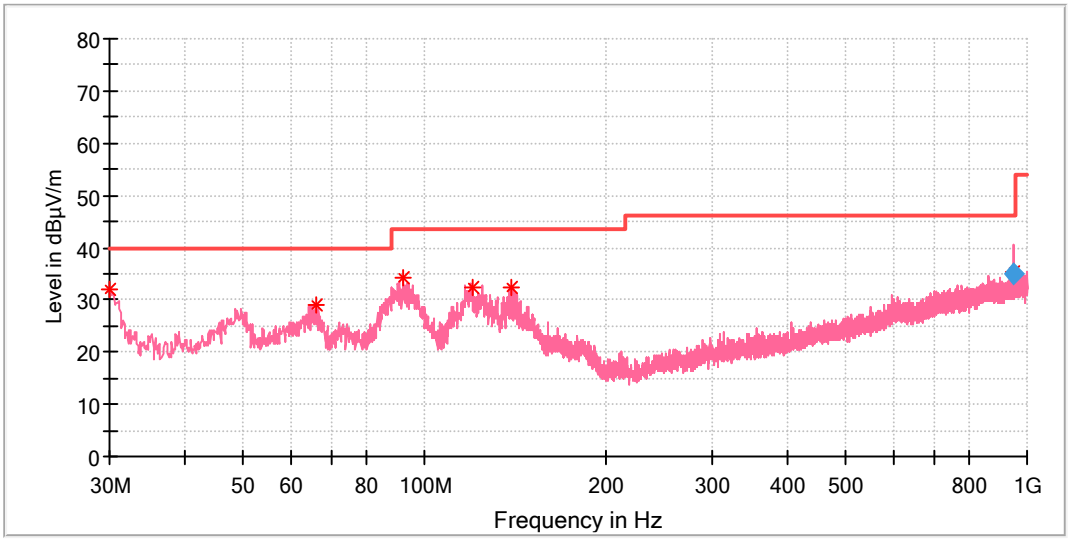
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
75.881000	24.37	40.00	15.63	200.0	H	77.0	17.2
95.766000	26.70	43.50	16.80	200.0	H	274.0	15.4
104.958280	29.39	43.50	14.11	200.0	H	261.0	16.9
121.034560	30.57	43.50	12.93	200.0	H	281.0	18.4
145.042000	26.96	43.50	16.54	100.0	H	92.0	20.6
842.957000	34.62	46.00	11.38	200.0	H	281.0	32.7

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
104.958280	23.19	43.50	20.31	1000.0	120.000	200.0	H	261.0	16.8
121.034560	25.59	43.50	17.91	1000.0	120.000	200.0	H	281.0	18.5

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Charging
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.5°C/50.6%/101kPa
Remark:	3M Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.000000	32.18	40.00	7.82	100.0	V	74.0	18.6
65.890000	29.13	40.00	10.87	100.0	V	74.0	19.2
92.274000	34.11	43.50	9.39	100.0	V	158.0	15.1
120.307000	32.48	43.50	11.02	100.0	V	184.0	18.4
139.707000	32.35	43.50	11.15	100.0	V	230.0	20.3
948.374400	35.17	46.00	10.83	100.0	V	0.0	33.6

Final_Result

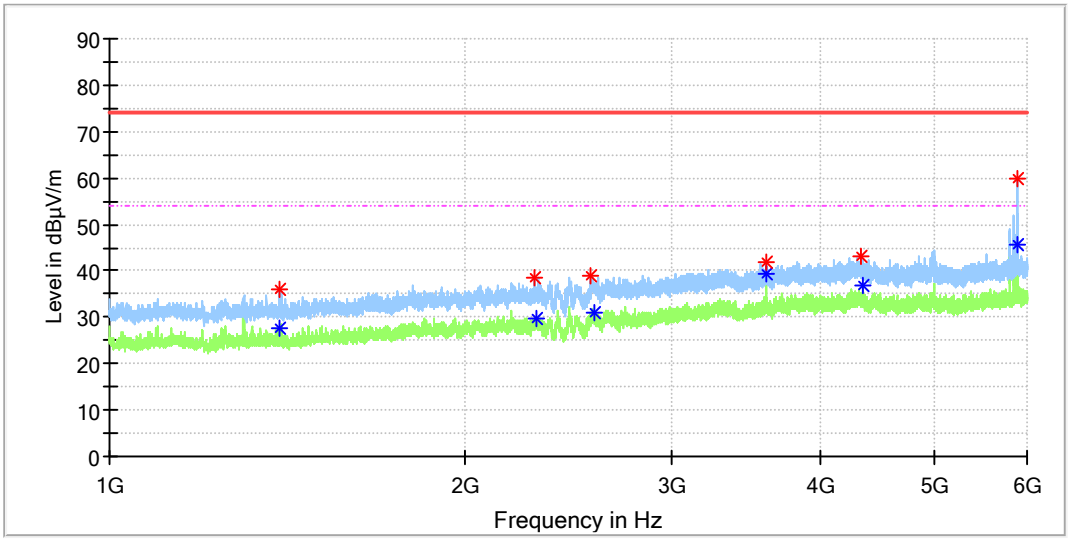
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
948.374400	34.82	46.00	11.18	1000.0	120.000	100.0	V	0.0	33.6

Appendix A.3: Test Plots of Radiated Emission, Above 1GHz

Note: Testing was carried out within frequency range 30MHz to the 5th harmonics. The measurement results above 6GHz were greater than 20dB below the limit, so only record the test result within the 30MHz to 6GHz.

EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Normal working
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	23.4°C/50.3%/101kPa
Remark:	3M Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1394.062500	35.88	---	74.00	38.12	100.0	H	211.0	-8.9
1394.062500	---	27.59	54.00	26.41	100.0	H	211.0	-8.9
2293.437500	38.69	---	74.00	35.31	200.0	H	19.0	-5.2
2305.625000	---	29.66	54.00	24.34	200.0	H	295.0	-5.2
2562.812500	38.85	---	74.00	35.15	100.0	H	65.0	-3.6
2575.937500	---	31.06	54.00	22.94	100.0	H	265.0	-3.6
3600.000000	---	39.16	54.00	14.84	100.0	H	203.0	0.2
3600.312500	42.06	---	74.00	31.94	100.0	H	203.0	0.2
4332.812500	43.22	---	74.00	30.78	200.0	H	0.0	2.9
4357.187500	---	36.82	54.00	17.18	200.0	H	116.0	2.7
5879.375000	---	45.80	54.00	8.20	100.0	H	0.0	5.8
5879.375000	59.78	---	74.00	14.22	100.0	H	0.0	5.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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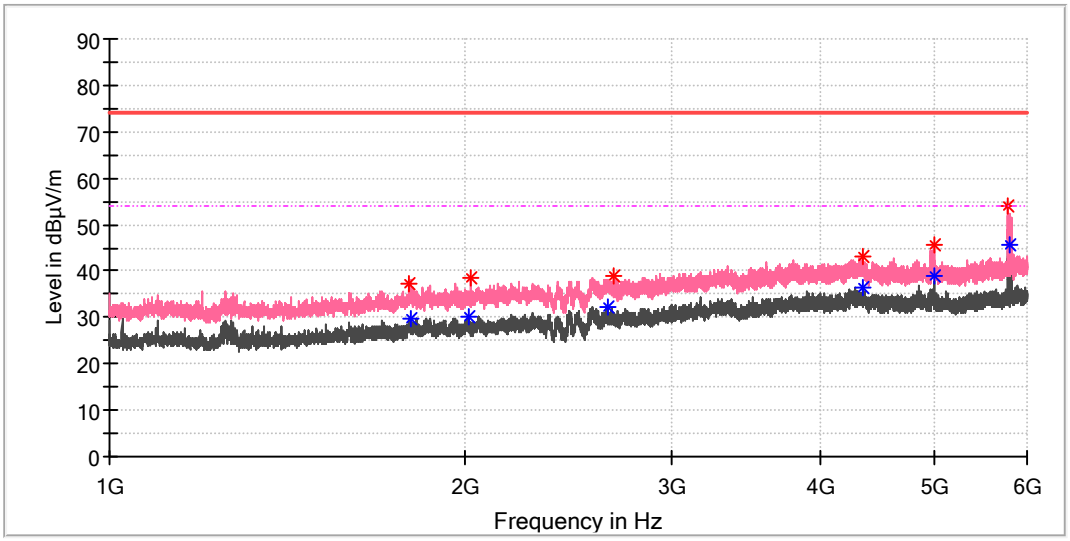
EUT Information

EUT Name:	Humanoid Robot
Order Number:	168554771 20
Model:	X2 Ultra
Test Mode:	Normal working
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	23.4°C/50.3%/101kPa
Remark:	3M Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1795.625000	37.05	---	74.00	36.95	100.0	V	172.0	-6.8
1800.000000	---	29.93	54.00	24.07	100.0	V	172.0	-6.8
2018.750000	---	30.17	54.00	23.83	100.0	V	338.0	-6.0
2023.125000	38.47	---	74.00	35.53	100.0	V	164.0	-6.0
2648.125000	---	32.15	54.00	21.85	100.0	V	164.0	-3.2
2673.125000	38.82	---	74.00	35.18	100.0	V	79.0	-3.5
4360.625000	43.00	---	74.00	31.00	100.0	V	141.0	2.6
4360.625000	---	36.39	54.00	17.61	100.0	V	141.0	2.6
4999.687500	---	39.09	54.00	14.91	100.0	V	332.0	3.8
5000.000000	45.67	---	74.00	28.33	100.0	V	324.0	3.8
5787.500000	54.00	---	74.00	20.00	100.0	V	39.0	4.8
5809.375000	---	45.60	54.00	8.40	100.0	V	346.0	4.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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