

TEST REPORT


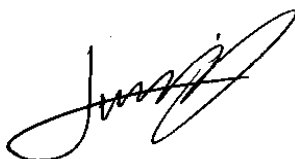
Applicant	Zhiwei Robotics Corp.
Address	Room 603, 2 Boyun Road, Pudong, Shanghai P.R. China

Manufacturer or Supplier	Zhiwei Robotics Corp.
Address	Room 603, 2 Boyun Road, Pudong, Shanghai P.R. China
Product	UNIIKER
Brand Name	N/A
Model	DFR0706
Additional Model & Model Difference	N/A
Date of tests	Nov. 29, 2022 ~ Feb. 03, 2023

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

☒ **FCC Part 15, Subpart B, Class B (sDoC)**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Supervisor / EMC Department	Approved by Madison Luo Assistant Manager / EMC Department
	
	Date: Mar. 08, 2023

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Test Report No.: FS2211WDG0121

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS2211WDG0121	Original release	Mar. 08, 2023

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD			
Standard Section	Test Item	Result	Remark
FCC Part 15, Subpart B, Class B (sDoC)	Conducted test	PASS	Meets limits minimum passing margin is -12.39dB at 0.42577MHz
	Radiated Emission Test (30MHz ~ 1GHz)	PASS	Meets limits minimum passing margin is -2.43dB at 451.27MHz
	Radiated Emission Test (Above 1GHz)	PASS	Meets limits minimum passing margin is -17.20dB at 3566.14MHz

Remark: Please refer to FCC part 2 2.1077 for sDoC compliance information requirement

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emission test	0.15MHz ~ 30MHz	+/- 2.67 dB
Radiated emissions	30MHz ~ 1GHz	+/- 4.34 dB
	Above 1GHz	+/- 4.84 dB



Test Report No.: FS2211WDG0121

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	UNIIKER	
BRAND	N/A	
TEST MODEL	DFR0706	
ADDITIONAL MODEL	N/A	
POWER SUPPLY	DC 5V from USB host unit	
CABLE SUPPLIED	USB Line: Unshielded, detachable, 1.0m	
OPERATING FREQUENCY	BT	2402 ~ 2480MHz
	WIFI	2412 ~ 2462MHz

Notes:

1. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
2. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
3. Please refer to the EUT photo document (Reference No.: 2211WDG0121) for detailed product photo.

2.2 DESCRIPTION OF TEST MODES

The EUT were tested under the following modes, the final worst mode was marked in boldface and recorded in this report.

FOR CONDUCTED EMISSION TEST:

Description of Test Mode	Test Voltage
Normal working	DC 5V from Notebook
Network link	
USB Playing	
TF Card Playing	
Memory playing	
BT link	
WIFI link	
WIFI host link	

FOR RADIATED EMISSION TEST (Below 1GHz):

Description of Test Mode	Test Voltage
Normal working	DC 5V from Notebook
Network link	
USB Playing	
TF Card Playing	
Memory playing	
BT link	
WIFI link	
WIFI host link	

RADIATED EMISSIONS TEST: (Above 1GHz)

Description of Test Mode	Test Voltage
Normal working	DC 5V from Notebook
Network link	
USB Playing	
TF Card Playing	
Memory playing	
BT link	
WIFI link	
WIFI host link	

2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Notebook	DELL	Latitude 5420	127710614	N/A
2	Notebook	DELL	Latitude 3420	127764357/7	N/A
3	Print	HP	VCVRA-1003	CN36M19JWX	N/A
4	Print	Lenovo	LJ2200L	N/A	N/A
5	Wireless router	Tenda	W311R	N/A	N/A
6	Wireless router	ASUS	RT-AX86U	M9IG3800G773JZN	N/A
7	TF Card(8G)	Kingston	SDC4/8GB	J4L8F-9P6T27-8XBD6	N/A
8	USB Driver 3.0(16G)	Kingston	DTSE9G2/16GB	YVLP9-B8HTAQ-XXAYB	N/A
9	USB Driver 3.0(16G)	Kingston	DTSE9G2/16GB	AQLJC-M8CTFB-UXTNB	N/A
10	IO Extender	N/A	N/A	N/A	N/A
11	BT SPK	N/A	BT-01	N/A	N/A
12	LED Module *5	N/A	N/A	N/A	N/A
13	Rotation Sensor	N/A	N/A	N/A	N/A
14	Digital Push Button	N/A	N/A	N/A	N/A
15	IR Ther mometer	N/A	N/A	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, Detachable 1.0m;DC Line: Unshielded, Detachable 2.0m.
2	AC Line: Unshielded, Detachable 0.8m;DC Line: Unshielded, Detachable 1.8m.
3	AC Line:Unshielded, Detachable 1.2m;DC Line: Unshielded, Undetachable 1.5m. USB Line: Shielded, Detachable 2.8m,with one core.
4	AC Line:Unshielded, Detachable 1.2m; USB Line: Shielded, Detachable 1.6m.
5	AC Line: Unshielded, Detachable 1.5m;DC Line: Unshielded, Detachable 1.2m.
6	AC Line: Unshielded, Detachable 0.8m;DC Line: Unshielded, Detachable 1.2m.
7-10	N/A
11	USB Line: Unshielded,Detachable 0.8m
12-15	Input/Output Line: Unshielded,Detachable 0.2m



3 EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

- NOTES:**
- (1) The lower limit shall apply at the transition frequencies.
 - (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
 - (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	100666	Jun. 14, 23
Artificial Mains Network	Rohde&Schwarz	ENV216	102477	Jun. 19, 23
Artificial Mains Network	SCHWARZBECK	NSLK 8127	8127713	Apr. 18, 23
Capacitive Voltage Probe	Rohde&Schwarz	CVP 9222	9222-044	Aug. 29, 23
Voltage Probe	SCHWARZBECK	TK 9421	9421-0332	Jun. 23, 23
Current Probe	Rohde&Schwarz	EZ-17	0816.2063.02	Apr. 19, 23
ISN	Rohde&Schwarz	ENY81-CA6	101928	Jun. 14, 23
ISN	TESEQ	ISN T800	34373	Feb. 16, 23
Coaxial RF Cable	COMMATE	CFD300-NL	5D-001	Oct. 24, 23
Shielding Room	Burgeon	5m*4m*3m	D3040008DG-1	Jul. 22, 24
Test software	ADT	ADT_Conc_V7.3.7	N/A	N/A

- NOTES:**
1. The test was performed in shielded room 543.
 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 3. Test site: No. 122, Houjie Avenue West Houjie Town, Dongguan City Guangdong Province, 523960, People's Republic of China.

3.1.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 amended as per ANSI C63.4a:2017.

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20dB) were not recorded.

NOTES:

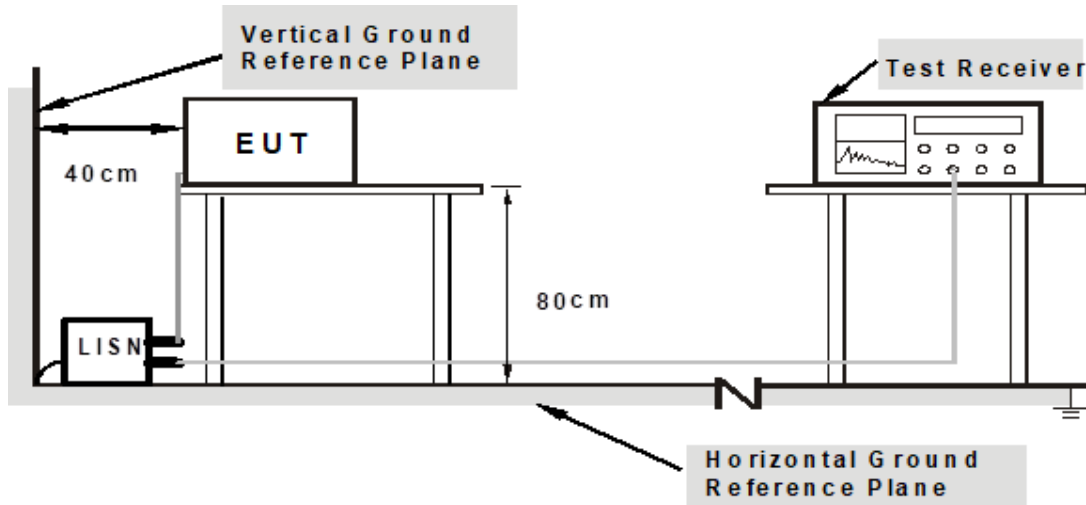
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

3.1.4 DEVIATION FROM TEST STANDARD

No deviation.



3.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

3.1.6 EUT OPERATING CONDITIONS

- Turned on the power of all equipment.
- EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

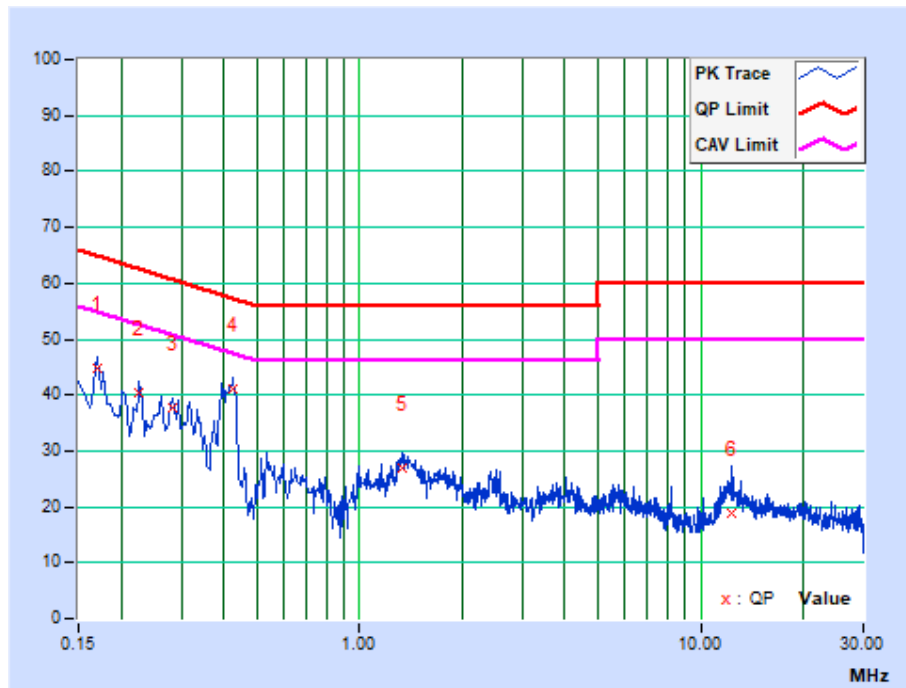


3.1.7 TEST RESULTS

TEST MODE	See section 2.2	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	See section 2.2	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25deg.C, 75% RH	TESTED BY	Bob

No.	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17000	9.77	35.01	23.79	44.78	33.56	64.96	54.96	-20.18	-21.40
2	0.22600	9.80	30.54	20.02	40.34	29.82	62.60	52.60	-22.26	-22.78
3	0.28228	9.79	27.96	19.12	37.75	28.91	60.75	50.75	-23.00	-21.84
4	0.42577	9.80	31.12	25.14	40.92	34.94	57.33	47.33	-16.41	-12.39
5	1.34200	9.81	17.23	10.92	27.04	20.73	56.00	46.00	-28.96	-25.27
6	12.28600	9.91	9.05	3.34	18.96	13.25	60.00	50.00	-41.04	-36.75

REMARKS: The emission levels of other frequencies were very low against the limit.





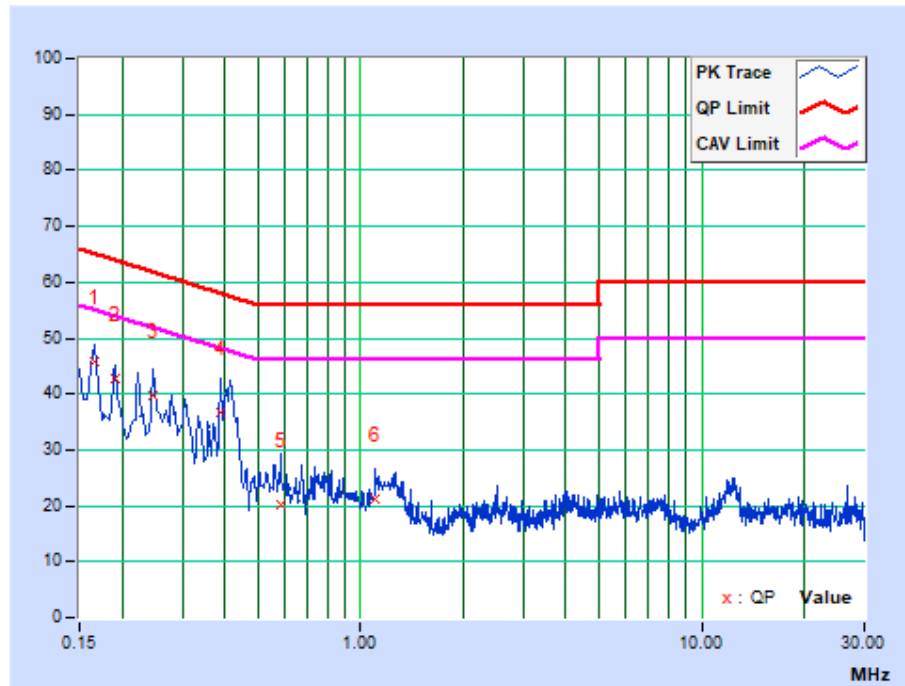
**BUREAU
VERITAS**

Test Report No.: FS2211WDG0121

TEST MODE	See section 2.2	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	See section 2.2	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg.C, 75% RH	TESTED BY	Bob

No.	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16600	9.74	36.10	22.45	45.84	32.19	65.16	55.16	-19.32	-22.97
2	0.19000	9.77	32.97	20.39	42.74	30.16	64.04	54.04	-21.30	-23.88
3	0.24600	9.78	29.84	20.21	39.62	29.99	61.89	51.89	-22.28	-21.91
4	0.39000	9.78	27.05	17.36	36.83	27.14	58.06	48.06	-21.23	-20.92
5	0.58200	9.77	10.51	4.04	20.28	13.81	56.00	46.00	-35.72	-32.19
6	1.10211	9.79	11.51	5.02	21.30	14.81	56.00	46.00	-34.70	-31.19

REMARKS: The emission levels of other frequencies were very low against the limit.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

Radiated Emissions Limits at 10 meters (dBμV/m)				
Frequencies (MHz)	FCC 15B, Class A	FCC 15B, Class B	CISPR 22, Class A	CISPR 22, Class B
30-88	39	29.5	40	30
88-216	43.5	33.1		
216-230	46.4	35.6		
230-960			47	37
960-1000	49.5	43.5		

Radiated Emissions Limits at 3 meters (dB μ V/m)		
Frequencies (MHz)	FCC 15B, Class A	FCC 15B, Class B
30-88	49.5	40
88-216	54	43.5
216-230	56.9	46
230-960		
960-1000	60	54
1000-3000	Avg: 60	Avg: 54
Above 3000	Peak: 80	Peak: 74

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

- Notes: (1) The lower limit shall apply at the transition frequencies.
 (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
 (3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.



3.2.2 TEST INSTRUMENTS

FREQUENCY RANGE BELOW 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU8	100372	Jun. 14, 23
Bilog Antenna	Sunol Sciences	JB1	A112107	July. 05, 24
Pre-Amplifier	HP	8447E	2727A02430	Mar. 07, 23
3m Semi-anechoic Chamber	Burgeon	9m*6m*6m	D3040001DG-1	July 22, 24
Coaxial RF Cable	TIMES	SFT205-NMNM-9.00M	532735-0001	July 11, 23
Coaxial RF Cable	TIMES	SFT205-NMNM-2.50M	532735-0001	July 11, 23
Coaxial RF Cable	ZDECL	Z302S-NJ-NJ-1.2M	18095226	July 11, 23
Test software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A

- NOTES:** 1. The test was performed at 966 Chamber-1 (a 3m Semi-anechoic chamber).
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. Test site: No. 122, Houjie Avenue West Houjie Town, Dongguan City Guangdong Province, 523960, People's Republic of China.
4. The FCC Site Registration No. is 749762.

FREQUENCY RANGE ABOVE 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Horn Antenna	COM-POWER	AH-118	071283	Jun. 19, 23
Horn Antenna	SCHWARZBECK	BBHA 9170	01023	Oct. 16, 23
Spectrum Analyzer	Agilent	E4407B	MY45108319	Feb. 16, 23
Broadband Preamplifier	EME	EM01G26G	60613	Mar. 14, 23
3m Semi-anechoic Chamber	Burgeon	9m*6m*6m	D3040001DG-1	July 22, 24
Coaxial RF Cable	TIMES	SFT205-NMNM-9.00M	532735-0001	July 11, 23
Coaxial RF Cable	TIMES	SFT205-NMNM-2.50M	532735-0001	July 11, 23
Coaxial RF Cable	ZDECL	Z302S-SMAJ-SMAJ-1.5M	18095240	July 11, 23
Coaxial RF Cable	TIMES	HF160-KMKM-2.00M	533245-0001	July 11, 23
Coaxial RF Cable	TIMES	HF160-KMKM-5.00M	533247-0001	July 11, 23
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A

- NOTES:** 1. The test was performed at 966 Chamber-1 (a 3m Semi-anechoic chamber).
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. Test site: No. 122, Houjie Avenue West Houjie Town, Dongguan City Guangdong Province, 523960, People's Republic of China.
4. The FCC Site Registration No. is 749762.

3.2.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 amended as per ANSI C63.4a:2017.

<Frequency Range below 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 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.
- d. 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.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

NOTES:

1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. $\text{Emission level(dBuV/m)} = \text{Raw Value(dBuV)} + \text{Correction Factor(dB/m)}$
3. $\text{Correction Factor(dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)}$ (if the raw value not contains the amplifier)
4. $\text{Correction Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)} - \text{Amplifier Gain(dB)}$ (if the raw value contains the amplifier)
5. $\text{Margin value} = \text{Emission level} - \text{Limit value}$

<Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter-to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test receiver/spectrum was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

NOTES:

1. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.
2. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
3. $\text{Emission level(dBuV/m)} = \text{Raw Value(dBuV)} + \text{Correction Factor(dB/m)}$
4. $\text{Correction Factor(dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)}$ (if the raw value not contains the amplifier)
5. $\text{Correction Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)} - \text{Amplifier Gain(dB)}$ (if the raw value contains the amplifier).
6. $\text{Margin value} = \text{Emission level} - \text{Limit value}$

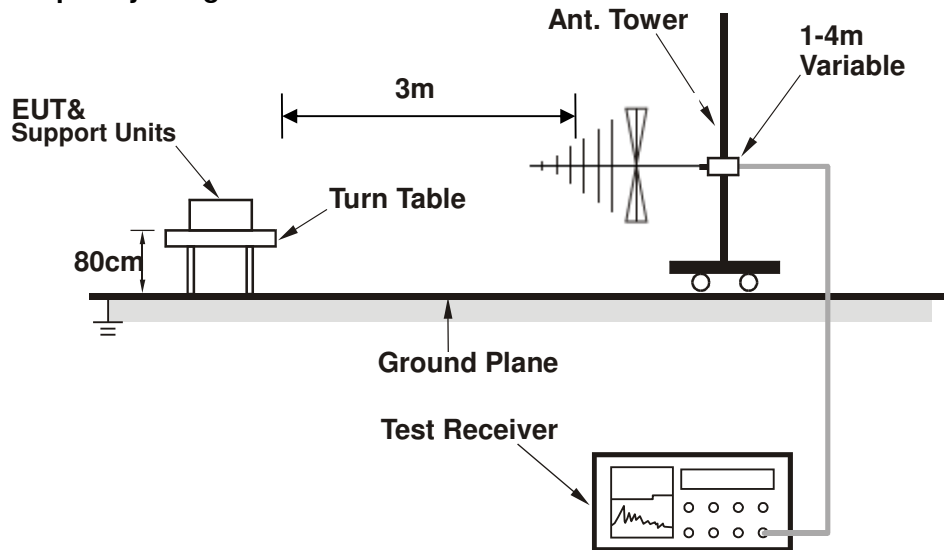
3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

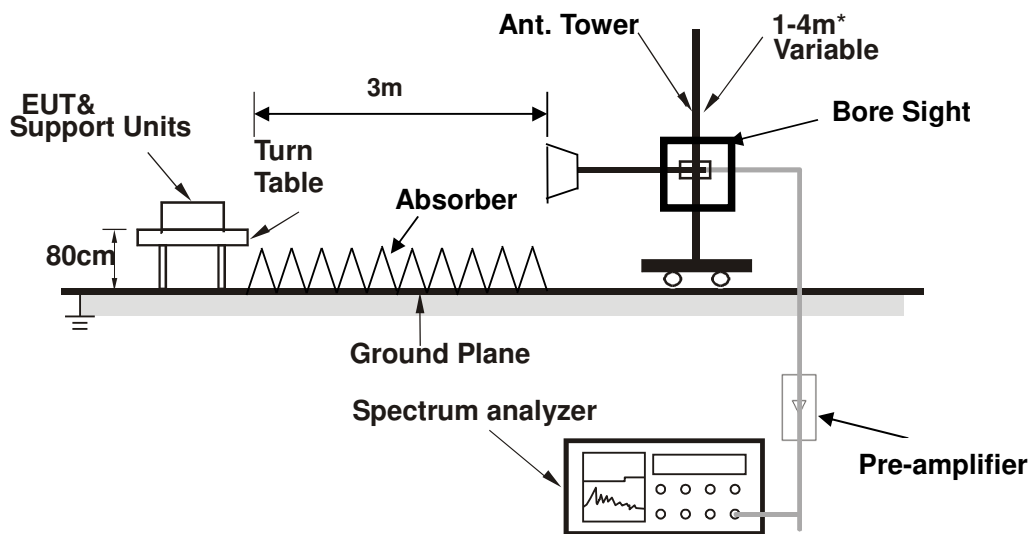


3.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



* : depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

3.2.6 EUT OPERATING CONDITIONS

See items 3.1.6.

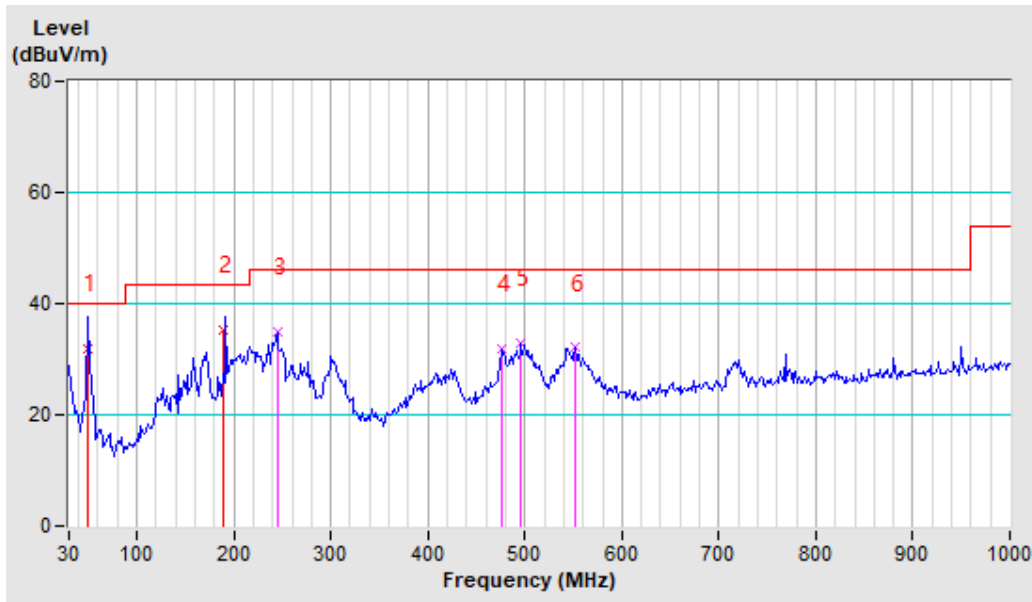


3.2.7 TEST RESULTS

TEST MODE	See section 2.2	FREQUENCY RANGE	30-1000MHz
TEST VOLTAGE	See section 2.2	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 55% RH	TESTED BY: Durant	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	50.23	-12.92	44.72	31.80	40.00	-8.20	112	124
2	189.59	-8.90	44.20	35.30	43.50	-8.20	127	164
3	244.52	-8.38	43.44	35.06	46.00	-10.94	229	221
4	476.14	-2.40	34.20	31.80	46.00	-14.20	298	325
5	496.35	-2.03	34.90	32.87	46.00	-13.13	159	356
6	552.31	-1.29	33.38	32.09	46.00	-13.91	152	125

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30MHz to 1000MHz.
 4. Only emissions significantly above equipment noise floor are reported.





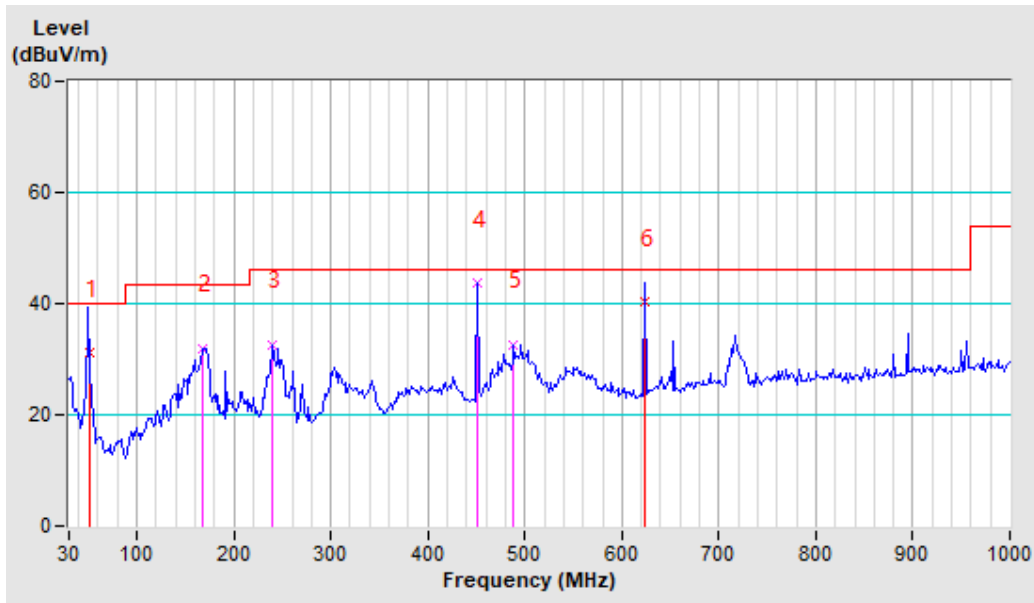
**BUREAU
VERITAS**

Test Report No.: FS2211WDG0121

TEST MODE	See section 2.2	FREQUENCY RANGE	30-1000MHz
TEST VOLTAGE	See section 2.2	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 55% RH	TESTED BY: Durant	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	50.48	-12.93	44.03	31.10	40.00	-8.90	177	157
2	166.79	-8.52	40.41	31.89	43.50	-11.61	216	97
3	239.86	-8.27	40.89	32.62	46.00	-13.38	247	36
4	451.27	-2.87	46.44	43.57	46.00	-2.43	212	87
5	488.57	-2.17	34.69	32.52	46.00	-13.48	283	47
6	623.45	-0.34	40.54	40.20	46.00	-5.80	233	136

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30MHz to 1000MHz.
 4. Only emissions significantly above equipment noise floor are reported.





3.2.8 TEST RESULTS (ABOVE 1GHZ)

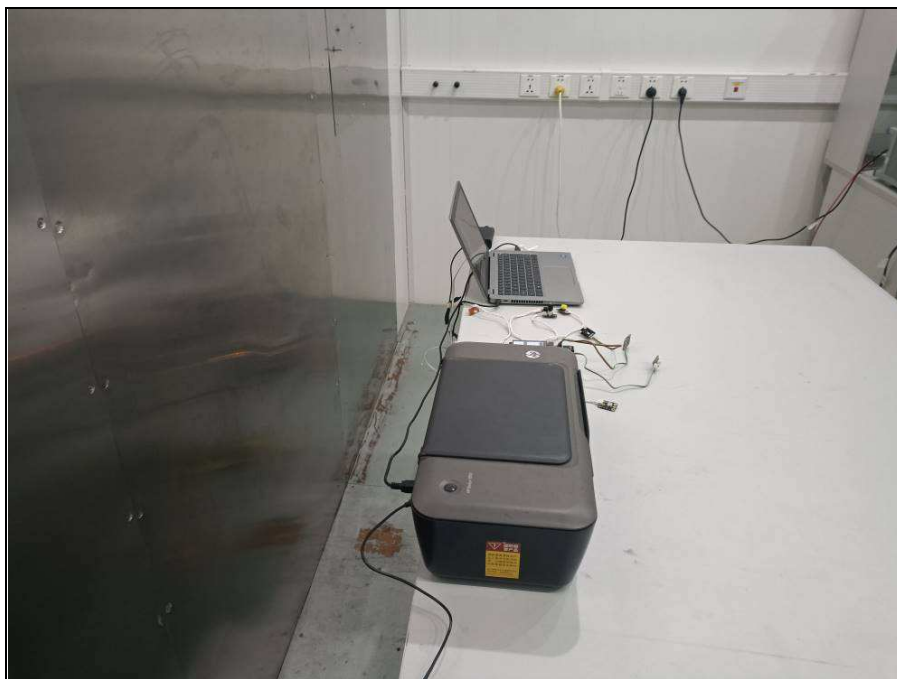
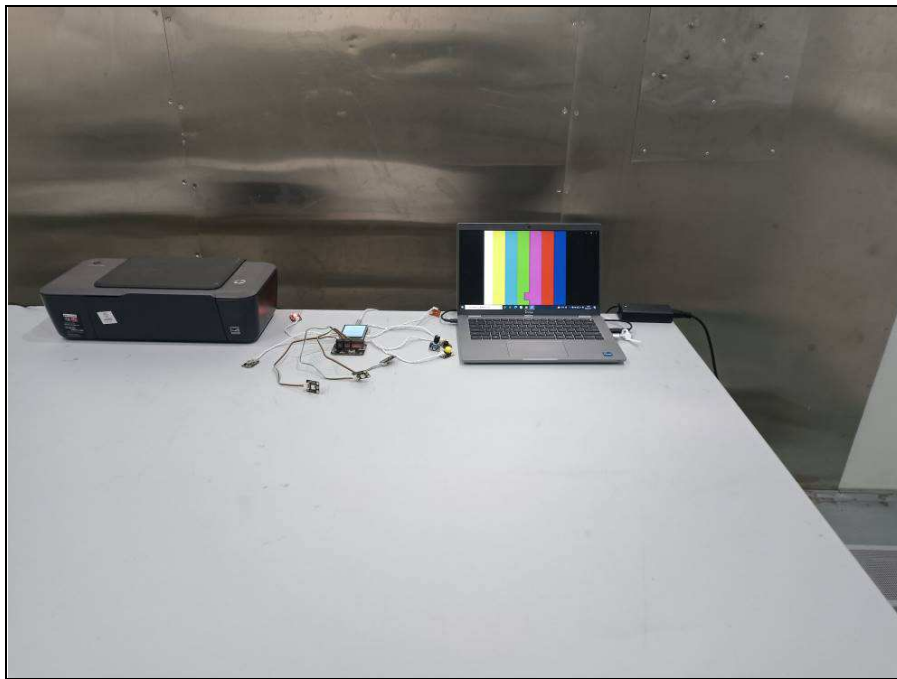
TEST MODE	See section 2.2	FREQUENCY RANGE	Above 1GHz
TEST VOLTAGE	See section 2.2	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak, Average 1MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 55% RH	TESTED BY: Durant	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	1633.28PK	-14.97	69.57	54.60	74.00	-19.40	200	190
2	1633.28AV	-14.97	51.07	36.10	54.00	-17.90	200	190
3	3044.68PK	-10.81	67.01	56.20	74.00	-17.80	200	190
4	3044.68AV	-10.81	47.01	36.20	54.00	-17.80	200	190
5	3566.14PK	-10.10	66.90	56.80	74.00	-17.20	200	190
6	3566.14AV	-10.10	46.50	36.40	54.00	-17.60	200	190
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	1499.35PK	-16.02	70.32	54.30	74.00	-19.70	100	190
2	1499.35AV	-16.02	48.92	32.90	54.00	-21.10	100	190
3	2177.23PK	-11.89	68.19	56.30	74.00	-17.70	100	190
4	2177.23AV	-11.89	46.69	34.80	54.00	-19.20	100	190
5	3644.25PK	-9.84	65.94	56.10	74.00	-17.90	100	190
6	3644.25AV	-9.84	44.94	35.10	54.00	-18.90	100	190

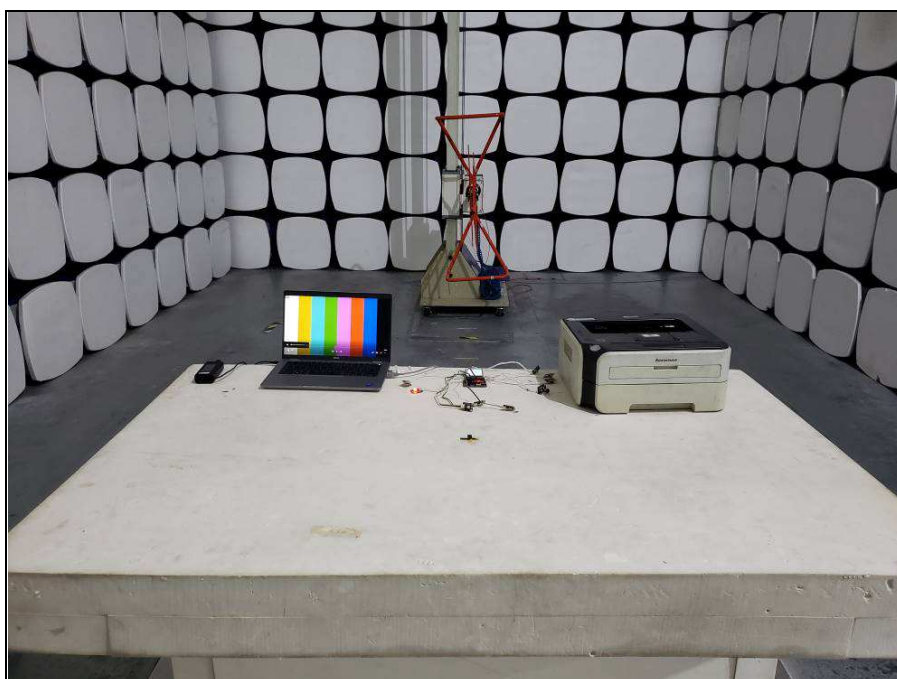
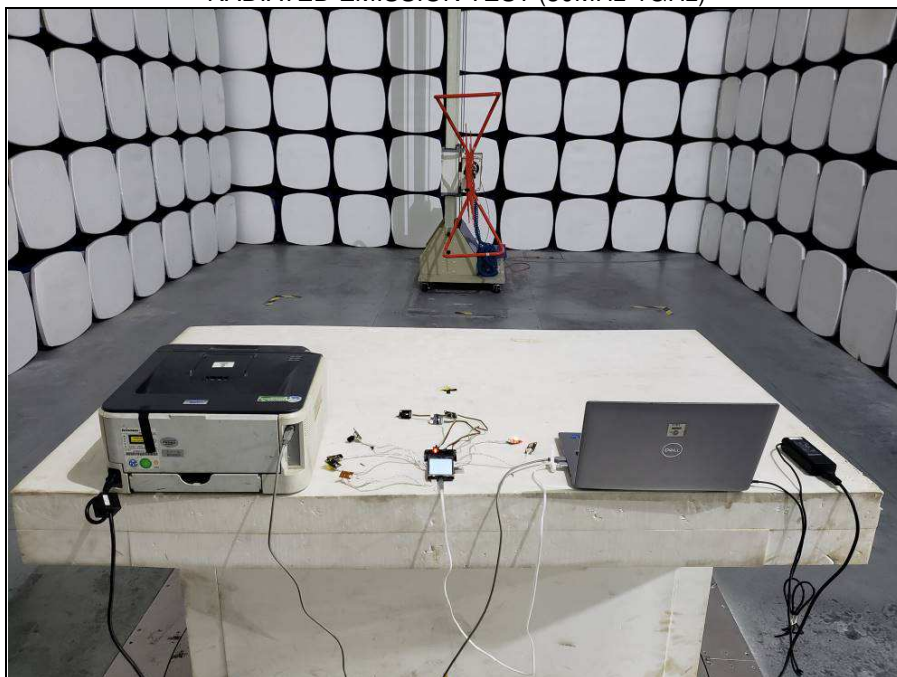
- REMARK:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 1GHz to 18GHz
 4. Only emissions significantly above equipment noise floor are reported.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

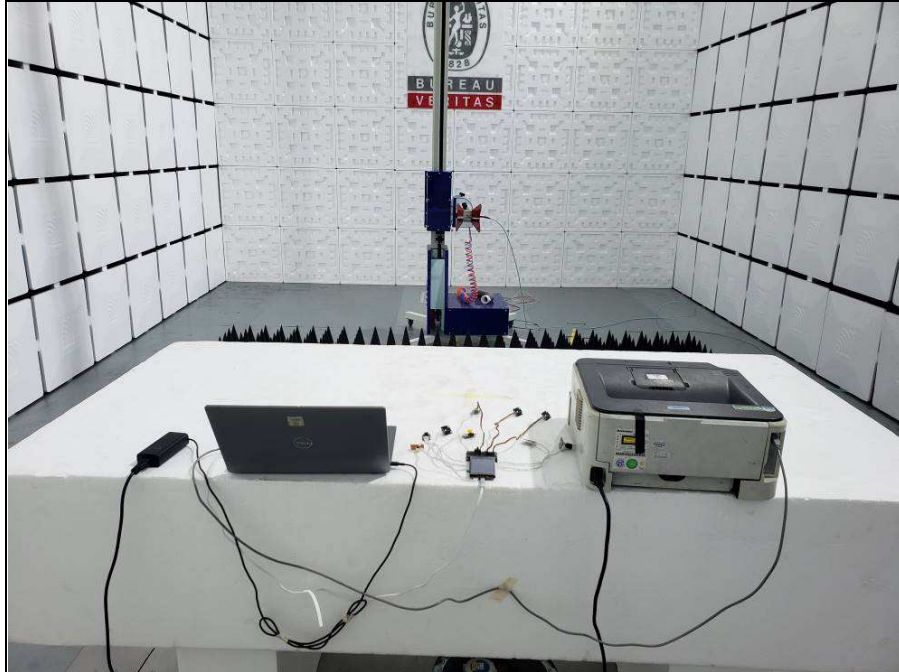
CONDUCTED EMISSION TEST



RADIATED EMISSION TEST (30MHz-1GHz)



RADIATED EMISSION TEST (Above 1GHz)



5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

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