EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.

RADIO TEST - REPORT

FCC Compliance Test Report for

Product name: Robot PU

Model name: PU1000

FCC ID: 2BNVM-PU1000

Test Report Number: EFGX25020093-IE-02-E01

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.
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1 General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter “Description of test item” and are not transferable to any other test items.
Eurofins Electrical Testing Service (Shenzhen) Co., Ltd. is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.
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Operator:

2025-03-24		Bruce Zheng / Project Engineer	Bruce Zheng
Date	Eurofins-Lab.	Name / Title	Signature

Technical responsibility for area of testing:

2025-03-24		Albert Xu / Lab Manager	Albert Xu
Date	Eurofins-Lab.	Name / Title	Signature

1.2 Testing laboratory

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.
1st Floor, Building 2, Chungu, Meisheng Huigu Science and Technology Park, No. 83 Dabao Road, Bao'an District, Shenzhen. P.R.China.
Telephone : +86-755-82911867
Fax : +86-755-82910749
The Laboratory has passed the Accreditation by the American Association for Laboratory Accrediation (A2LA). The Accreditation number is 5376.01
The Laboratory has been listed by industry Canada to perform electromagnetic emission measurements, The CAB identifier is CN0088

1.3 Details of applicant

Name	:	Robot Gyms Inc.
Address	:	#1075 700 El Camino Real Suite 120, Menlo Park, CA 94025, United States
Telephone	:	+1 978 473 3459
Fax	:	+1 408 831 9418

1.4 Details of manufacturer

Name	:	Dare Fly (Dongguan) Technology Co., Ltd.
Address	:	19 Binhe Street, TianxinVillage,Huangjiang Town, Dongguan.Guangdong, China
Telephone	:	+86 135 3299 2560
Fax	:	./.

1.5 Application details

Date of receipt of application	:	2025-02-12
Date of receipt of test item	:	2025-02-12
Date of test	:	2025-02-13 to 2025-03-24
Date of issue	:	2025-03-24

1.6 Test item

Product type	:	Robot PU
Model name	:	PU1000
Brand	:	RobotGyms
Sample ID	:	250212-03-001
Serial number	:	./.
Ratings	:	DC 5V input by Type C port. Internal rechargeable battery: DC 3.7V, 400mAh
Test voltage	:	3.7V
FCC ID	:	2BNVM-PU1000
PMN	:	Robot PU
Additional information	:	./.

RadioTechnical data

Frequency range	:	2402MHz – 2480MHz
Radio Tech.	:	2.4G SRD
Frequency channel	:	79
Modulation	:	GFSK
Antenna type	:	PCB antenna

1.7 Test standards

Test Standards	
FCC Part 15 Subpart C December 16, 2020	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

Test Method

1: 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.

2: ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices.

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

or

The deviations as specified were ascertained in the course of the tests performed. ☐

2.2 Test environment

RF Conducted

Enviroment Parameter	Temperature	Relative Humidity
101.2Kpa	24.6	62.6%

Radiated

Enviroment Parameter	Temperature	Relative Humidity
101.2Kpa	23.7	51.7%

2.3 Measurement uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty in conducted measurements	1.96dB
Uncertainty for Conducted RF test	RF Power Conducted: 1.16dB Frequency test involved: 1.05×10-7 or 1%
Uncertainty for Radiated Spurious Emission 25MHz-3000MHz	Horizontal: 4.46dB; Vertical: 4.54dB;
Uncertainty for Radiated Spurious Emission 3000MHz-18000MHz	Horizontal: 4.42dB; Vertical: 4.41dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 4.63dB; Vertical: 4.62dB;

2.4 Test mode

Channel List

1	2402	19	2420	37	2438	55	2456	73	2474
2	2403	20	2421	38	2439	56	2457	74	2475
3	2404	21	2422	39	2440	57	2458	75	2476
4	2405	22	2423	40	2441	58	2459	76	2477
5	2406	23	2424	41	2442	59	2460	77	2478
6	2407	24	2425	42	2443	60	2461	78	2479
7	2408	25	2426	43	2444	61	2462	79	2480
8	2409	26	2427	44	2445	62	2463		
9	2410	27	2428	45	2446	63	2464		
10	2411	28	2429	46	2447	64	2465		
11	2412	29	2430	47	2448	65	2466		
12	2413	30	2431	48	2449	66	2467		
13	2414	31	2432	49	2450	67	2468		
14	2415	32	2433	50	2451	68	2469		
15	2416	33	2434	51	2452	69	2470		
16	2417	34	2435	52	2453	70	2471		
17	2418	35	2436	53	2454	71	2472		
18	2419	36	2437	54	2455	72	2473		

The EUT was set at continuously transmitting mode（2402MHz,2440MHz,2480MHz） during the test.

2.5 Test equipment utilized

EQUIPMENT ID	EQUIPMENT NAME	MODEL NO.	CAL. DUE DATE
23-2-13-05	EMI Test Receiver	ESR3	2025-03-25
23-2-13-06	LISN	NNLK 8127 RC	2025-03-25
23-2-10-16	Attenuator	VTSD 9561-F	2025-03-25
23-2-13-12	Signal Analyzer	N9010B-544	2025-03-25
23-2-13-13	BT/WLAN Tester	CMW270	2025-03-25
23-2-13-14	Signal Generator	N5183B-520	2025-03-25
23-2-13-15	Vector Signal Generator	N5182B-506	2025-03-25
23-2-10-43	Switch and Control Unit	ERIT-E-JS0806-2	2025-03-25
23-2-10-44	DC power supply	E3642A	2025-03-25
23-2-10-45	Temperature test chamber	SG-80-CC-2	2025-03-25
23-2-13-01	EMI Test Receiver	ESR7	2025-03-25
23-2-13-02	Signal Analyzer	N9020B-544	2025-03-25
23-2-12-01	Active Loop Antenna	FMZB 1519B	2025-06-03
23-2-12-02	TRILOG Broadband Antenna	VULB9168	2025-06-03
23-2-12-03	Horn Antenna	3117	2025-06-03
23-2-12-04	Horn Antenna	BBHA 9170	2025-06-03
23-2-10-01	Preamplifier	BBV9745	2025-03-25
23-2-10-02	Preamplifier	TAP01018048	2025-03-25
23-2-10-03	Preamplifier	TAP18040048	2025-03-25
23-2-10-14	Switch and Control Unit	ERIT-E-JS0806-SF1	N/A

2.6 Auxiliary Equipment Used during Test:

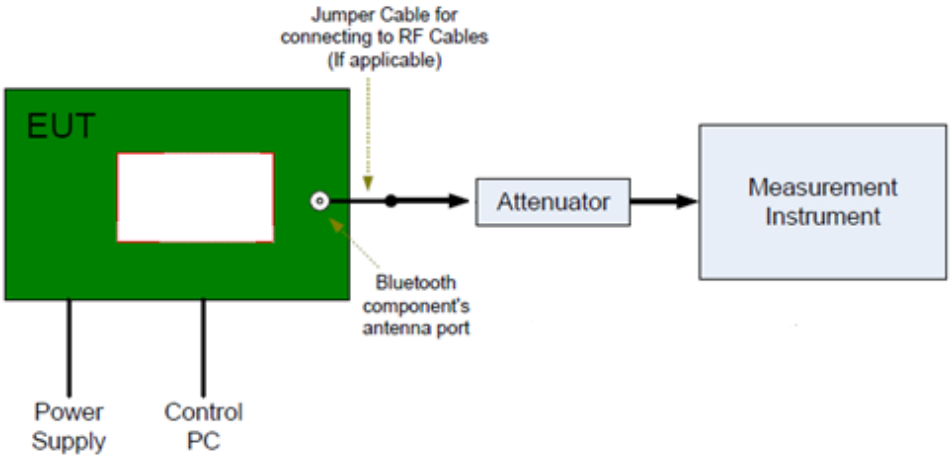
DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
Laptop	LENOVO	TP00096A	PF-1QH0LV

2.7 Test software information:

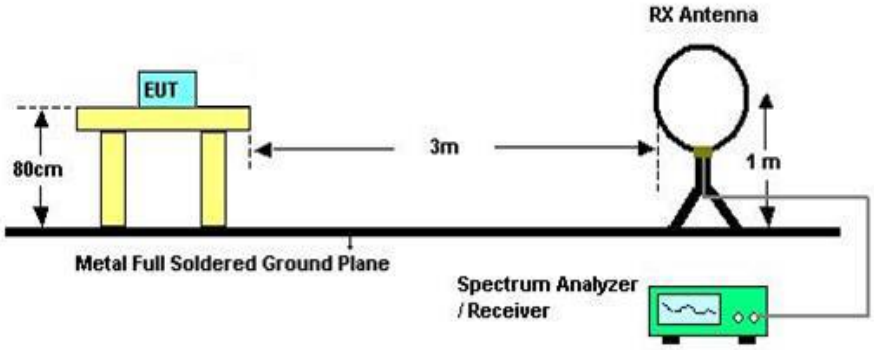
Test Software Version	N.A		
Modulation	Setting TX Power	TX Pattern	Packet Type
GFSK	DEF	TX Packet	N.A

2.8 Test setup

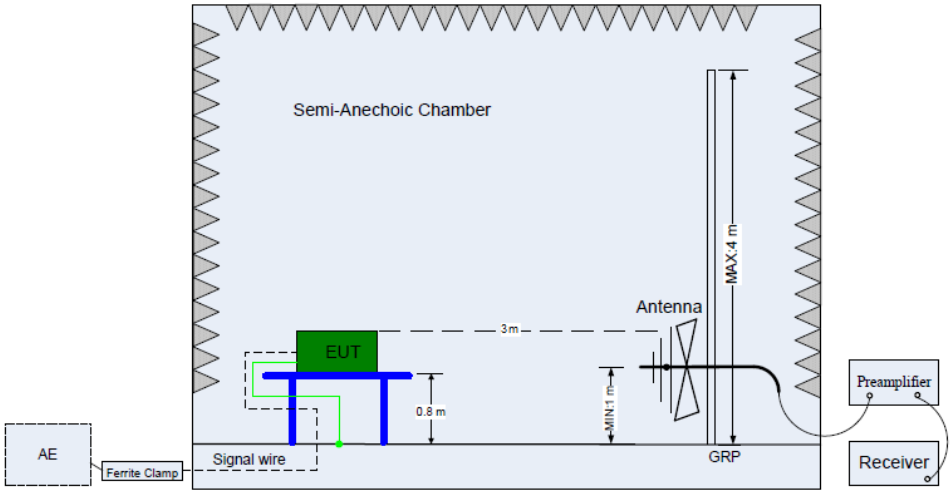
Setup diagram for conducted tests



Setup diagram for radiated tests below 30MHz

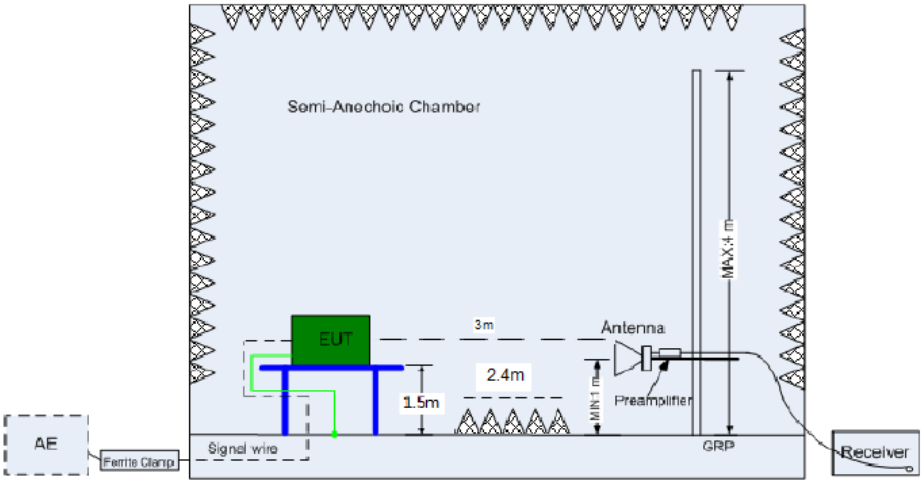


Setup diagram for radiated tests below 1GHz



(Below 1 GHz)

Setup diagram for radiated tests above 1GHz



(Above 1 GHz)

2.9 Test results

☒ 1st test ☐ test after modification ☐ production test

Technical Requirements				
FCC Part 15 Subpart C				
Test Condition		Test Result	Verdict	Test Site
§15.207	Conducted emission AC power port	See page 13	Pass	Site 1
§15.215(c)(1)	20dB bandwidth	See page 16	Pass	Site 1
§15.249(a)&(d)&§15.209 &§15.205	Radiated emission	See page 21	Pass	Site 1
§15.203	Antenna requirement	See note 1	Pass	--

Remark 1: N/A – Not Applicable.
Note 1: The EUT uses a PCB antenna. According to §15.203, it is considered sufficiently to comply with the provisions of this section.

3 Technical requirement and result

3.1 Conducted emission AC power port

Test Method:
The test method was refered to the subclause 6.2 of ANSI C63.10-2013.

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both Neutral and Live lines.

Limit:

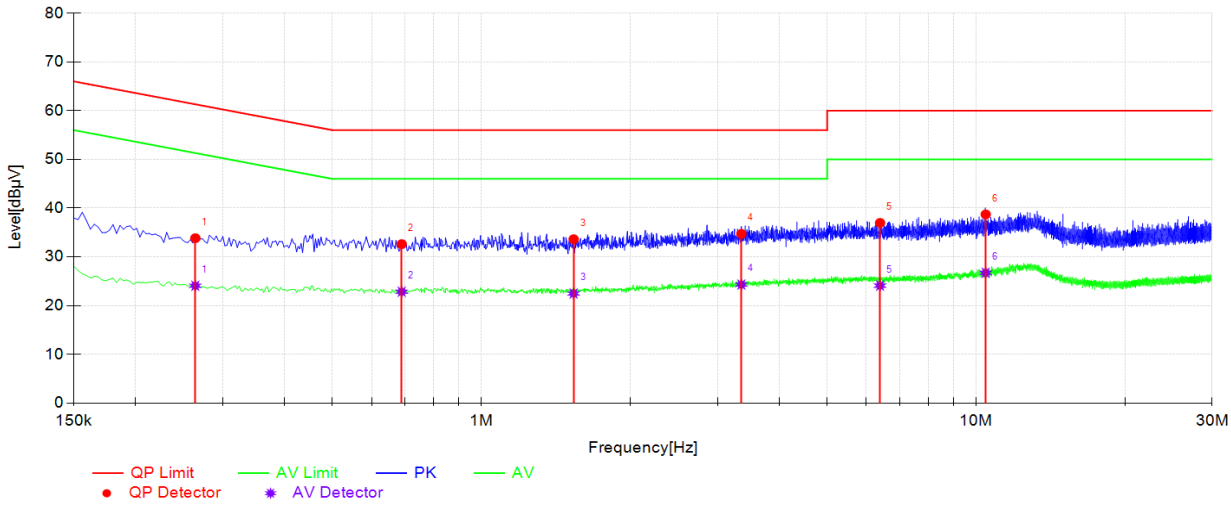
FCC §15.207 (a)

RSS-Gen 8.8

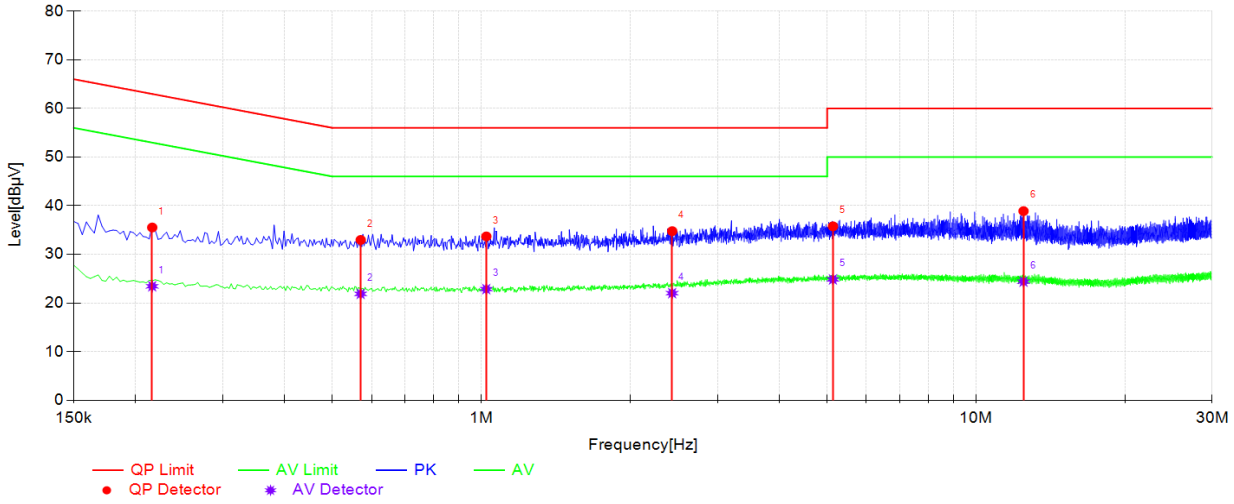
Frequency	QP Limit	AV Limit
MHz	**dBµV**	**dBµV**
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linear.

Test Result:



Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type	Verdict
1	0.264	10.25	33.84	61.30	27.46	24.07	51.30	27.23	L1	PASS
2	0.69	10.26	32.63	56.00	23.37	22.85	46.00	23.15	L1	PASS
3	1.536	10.27	33.63	56.00	22.37	22.49	46.00	23.51	L1	PASS
4	3.354	10.29	34.73	56.00	21.27	24.32	46.00	21.68	L1	PASS
5	6.396	10.40	36.98	60.00	23.02	24.10	50.00	25.90	L1	PASS
6	10.459	10.45	38.72	60.00	21.28	26.73	50.00	23.27	L1	PASS



Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type	Verdict
1	0.216	10.25	35.53	62.97	27.44	23.44	52.97	29.53	N	PASS
2	0.57	10.25	32.97	56.00	23.03	21.88	46.00	24.12	N	PASS
3	1.023	10.26	33.69	56.00	22.31	22.85	46.00	23.15	N	PASS
4	2.43	10.31	34.78	56.00	21.22	22.03	46.00	23.97	N	PASS
5	5.136	10.41	35.77	60.00	24.23	24.85	50.00	25.15	N	PASS
6	12.472	10.50	38.90	60.00	21.10	24.40	50.00	25.60	N	PASS

3.2 20 dB bandwidth

Test Method:
The test method was refered to the subclause 6.9.2 of ANSI C63.10-2013.

The occupied bandwidth is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). Typical ratios, expressed in dB, are −6 dB, −20 dB, and −26 dB, corresponding to 6 dB BW, 20 dB BW, and 26 dB BW, respectively. In this subclause, the ratio is designated by "−xx dB." The reference value is either the level of the unmodulated carrier or the highest level of the spectral envelope of the modulated signal, as stated by the applicable requirement. Some requirements might specify a specific maximum or minimum value for the "−xx dB" bandwidth; other requirements might specify that the "−xx dB" bandwidth be entirely contained within the authorized or designated frequency band.

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

d) Steps a) through c) might require iteration to adjust within the specified tolerances.

e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "−xx dB down" requirement; that is, if the requirement calls for measuring the −20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.

f) Set detection mode to peak and trace mode to max hold.

g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

h) Determine the "−xx dB down amplitude" using [(reference value) − xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.

i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).

j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "íxx dB down amplitude" determined in step h). If a marker is below this "−xx dB down amplitude" value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the "íxx dB down amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Limit:

None; for reporting purposes only.

Test Result:

Channel	20db EBW[MHz]	Verdict
2402	1.102	PASS
2440	0.989	PASS
2480	1.478	PASS

Spectrum Analyzer 1
Occupied BW
Frequency
KEYSIGHT
Input: RF
Coupling: DC
Align: Off
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 10 dB
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.480000000 GHz
Avg|Hold: 10/10
Radio Std: None
Center Frequency
2.480000000 GHz
Settings
Span
3.0000 MHz
CF Step
300.000 kHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Scale/Div 10.0 dB
Ref Value -30.00 dBm
Log
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100
-110
-120
Center 2.480000 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz*
Span 3 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Occupied Bandwidth
1.0769 MHz
Total Power
-42.3 dBm
Transmit Freq Error
6.362 kHz
x dB Bandwidth
1.478 MHz
% of OBW Power
99.00 %
x dB
-20.00 dB
Mar 24, 2025
10:18:25 AM

3.3 Radiated emission

Test Method:

The test method was refered to the subclause 11.11/11.12 of ANSI C63.10-2013.

1: The EUT was place 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:

For 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 and VBW = 10Hz for average measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

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

For Below 30MHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 200 Hz, VBW≥RBW from 9KHz to 0.15MHz, RBW 9KHz VBW≥RBW from 0.15MHz to 30MHz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Note:

1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.

2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.

3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).

4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

5: When duty cycle <98%, The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is VBW ≥ 1 / T, the T is transmission duration (T).

Limit:

FCC §15.209

Frequency Range (MHz)	Field Strength Limit (μV/m) at 3 m	Field Strength Limit (dBμV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

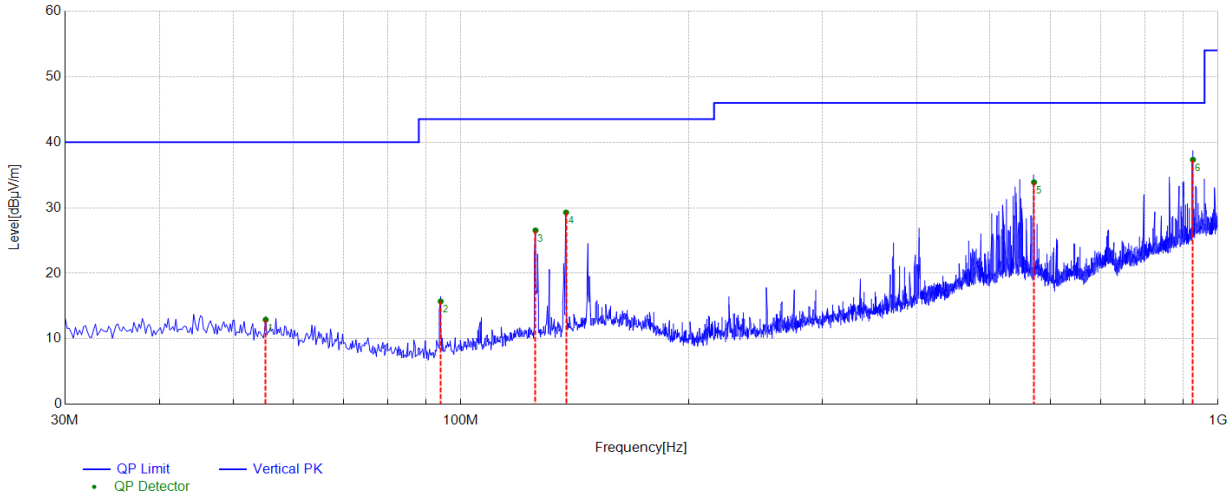
§15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	
13.36-13.41			

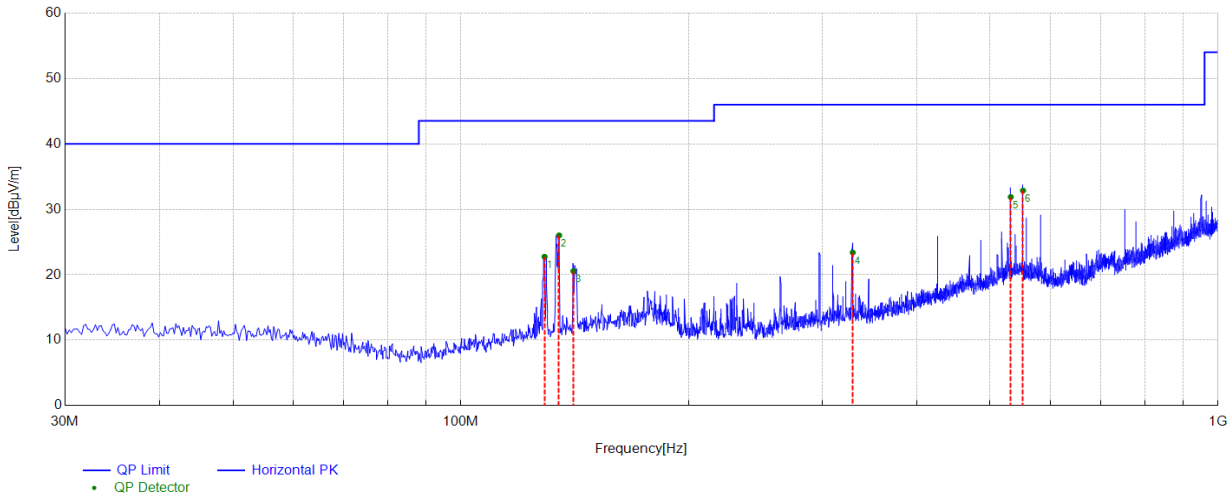
FCC §15.249(a)

Fundamental frequency	Field strength of fundamental (mV/m)	Field strength of fundamental (dBμV/m)	Field strength of harmonics (μV/m)	Field strength of harmonics (dBμV/m)
902-928 MHz	50	94	500	54
2400-2483.5 MHz	50	94	500	54
5725-5875 MHz	50	94	500	54
24.0-24.25 GHz	250	128	2500	68

Test Result:



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	55.2250	-16.76	12.93	40.00	27.07	100	10	Vertical	PASS
2	94.0328	-20.31	15.73	43.50	27.77	100	131	Vertical	PASS
3	125.4671	-17.50	26.55	43.50	16.95	100	131	Vertical	PASS
4	137.6915	-16.92	29.29	43.50	14.21	100	195	Vertical	PASS
5	571.3683	-9.71	33.89	46.00	12.11	100	232	Vertical	PASS
6	926.4593	-2.35	37.33	46.00	8.67	100	145	Vertical	PASS



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	128.9598	-17.19	22.76	43.50	20.74	100	70	Horizontal	PASS
2	134.7810	-17.07	26.03	43.50	17.47	200	262	Horizontal	PASS
3	140.7962	-16.68	20.56	43.50	22.94	100	84	Horizontal	PASS
4	329.2078	-15.28	23.41	46.00	22.59	100	306	Horizontal	PASS
5	532.3665	-10.89	31.89	46.00	14.11	200	237	Horizontal	PASS
6	552.5465	-10.28	32.87	46.00	13.13	200	161	Horizontal	PASS

Mode:	2402

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1326	41.31	0.29	74.00	32.69	150	38	Horizontal	PASS
2	1914	45.53	6.00	74.00	28.47	150	71	Horizontal	PASS
3	3833.33	42.57	-16.32	74.00	31.43	150	36	Horizontal	PASS
4	6117.50	44.74	-10.90	74.00	29.26	150	0	Horizontal	PASS
5	9708.63	46.54	-6.28	74.00	27.46	150	341	Horizontal	PASS
6	12256.5	49.30	-2.14	74.00	24.70	150	309	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1458	39.94	0.66	74.00	34.06	150	14	Vertical	PASS
2	2336	45.89	6.45	74.00	28.11	150	132	Vertical	PASS
3	4732.61	44.03	-13.47	74.00	29.97	150	334	Vertical	PASS
4	7181.65	46.20	-10.04	74.00	27.80	150	150	Vertical	PASS
5	9996.40	47.05	-6.34	74.00	26.95	150	1	Vertical	PASS
6	13188.8	49.97	-0.80	74.00	24.03	150	222	Vertical	PASS

Mode:	2440

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1224	40.54	0.78	74.00	33.46	150	145	Horizontal	PASS
2	2104	46.09	7.34	74.00	27.91	150	61	Horizontal	PASS
3	3731.41	42.25	-16.78	74.00	31.75	150	184	Horizontal	PASS
4	6042.56	44.83	-11.25	74.00	29.17	150	135	Horizontal	PASS
5	7721.22	45.11	-9.51	74.00	28.89	150	231	Horizontal	PASS
6	11321.3	48.14	-3.07	74.00	25.86	150	2	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1412	41.01	0.52	74.00	32.99	150	335	Vertical	PASS
2	2596	46.26	7.70	74.00	27.74	150	136	Vertical	PASS
3	4933.45	44.43	-13.60	74.00	29.57	150	124	Vertical	PASS
4	7652.27	45.52	-9.60	74.00	28.48	150	334	Vertical	PASS
5	10544.9	47.46	-4.97	74.00	26.54	150	252	Vertical	PASS
6	14456.8	50.81	0.65	74.00	23.19	150	344	Vertical	PASS

Mode:	2480

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1236	40.61	0.70	74.00	33.39	150	252	Horizontal	PASS
2	1892	44.89	5.89	74.00	29.11	150	347	Horizontal	PASS
3	4486.81	43.69	-14.79	74.00	30.31	150	344	Horizontal	PASS
4	7322.54	45.65	-9.78	74.00	28.35	150	242	Horizontal	PASS
5	9444.84	46.01	-6.98	74.00	27.99	150	188	Horizontal	PASS
6	11240.4	49.47	-3.25	74.00	24.53	150	301	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1344	40.70	0.36	74.00	33.30	150	244	Vertical	PASS
2	1918	45.45	5.98	74.00	28.55	150	144	Vertical	PASS
3	3914.26	42.02	-16.03	74.00	31.98	150	329	Vertical	PASS
4	6273.38	44.38	-11.03	74.00	29.62	150	54	Vertical	PASS
5	8905.27	45.84	-7.80	74.00	28.16	150	36	Vertical	PASS
6	11860.9	48.99	-2.45	74.00	25.01	150	341	Vertical	PASS

Band-edge (Radiated)

Mode:	2402

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2322.08	47.95	6.84	74.00	26.05	150	302	Horizontal	PASS
2	2333.92	47.75	6.88	74.00	26.25	150	4	Horizontal	PASS
3	2349.76	48.15	6.91	74.00	25.85	150	37	Horizontal	PASS
4	2365.76	48.26	7.13	74.00	25.74	150	352	Horizontal	PASS
5	2374.56	47.75	7.26	74.00	26.25	150	111	Horizontal	PASS
6	2400.00	48.02	7.34	74.00	25.98	150	168	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2319.28	47.57	6.84	74.00	26.43	150	171	Vertical	PASS
2	2332.32	47.61	6.87	74.00	26.39	150	109	Vertical	PASS
3	2339.84	47.51	6.89	74.00	26.49	150	52	Vertical	PASS
4	2358.24	47.63	7.02	74.00	26.37	150	11	Vertical	PASS
5	2376	48.29	7.27	74.00	25.71	150	8	Vertical	PASS
6	2400.00	48.24	7.37	74.00	25.76	150	17	Vertical	PASS

Mode:	2480

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2485.117	6.55	54.48	74.00	19.52	48.17	54.00	5.83	150	237	Horizontal	PASS
2	2486.668	6.56	54.19	74.00	19.81	48.88	54.00	5.12	150	43	Horizontal	PASS
3	2490.793	6.56	54.38	74.00	19.62	50.52	54.00	3.48	150	204	Horizontal	PASS
4	2494.1755	6.57	55.52	74.00	18.48	49.72	54.00	4.28	150	359	Horizontal	PASS
5	2496.205	6.57	55.04	74.00	18.96	48.79	54.00	5.21	150	57	Horizontal	PASS
6	2498.6305	6.57	55.04	74.00	18.96	49.34	54.00	4.66	150	136	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2485.5955	6.55	54.98	74.00	19.02	49.36	54.00	4.64	150	188	Vertical	PASS
2	2488.1695	6.55	55.20	74.00	18.80	49.67	54.00	4.33	150	53	Vertical	PASS
3	2489.8525	6.56	54.61	74.00	19.39	48.67	54.00	5.33	150	171	Vertical	PASS
4	2493.202	6.56	55.07	74.00	18.93	47.70	54.00	6.30	150	65	Vertical	PASS
5	2496.0895	6.57	55.36	74.00	18.64	49.17	54.00	4.83	150	334	Vertical	PASS
6	2498.6305	6.57	54.98	74.00	19.02	49.61	54.00	4.39	150	0	Vertical	PASS

Level = Read level + Factor
Factor= Antenna Factor + Cable loss – Preamp Factor

Field strength of fundamental

PK Data List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2402	77.61	6.40	114.00	36.39	150	41	Horizontal
2	2402	79.85	6.40	114.00	34.15	150	156	Vertical
3	2440	81.04	6.47	114.00	32.96	150	69	Horizontal
4	2440	83.75	6.47	114.00	30.25	150	162	Vertical
5	2480	86.99	6.54	114.00	27.01	150	249	Horizontal
6	2480	88.07	6.54	114.00	25.93	150	150	Vertical

-END OF REPORT-