



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

RADIO TEST - REPORT

FCC Compliance Test Report for

Product name: Lanky Bot Mystery RC

Model name: 2112 / 21121

FCC ID: 2AWAULBMRC2112T

Test Report Number: EFGX24050028-IE-01-E01

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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:

2024-05-15

Bruce Zheng / Project Engineer



Date

Eurofins-Lab.

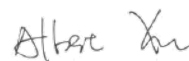
Name / Title

Signature

Technical responsibility for area of testing:

2024-05-15

Albert Xu / Lab Manager



Date

Eurofins-Lab.

Name / Title

Signature

1.2 Testing laboratory

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.

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The Laboratory has passed the Accreditation by the American Association for Laboratory Accreditation (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	:	BONKERS TOYS CO. LLC
Address	:	6805 Nancy Ridge Drive, San Diego, CA 92121, United States
Telephone	:	./.
Fax	:	./.

1.4 Details of manufacturer

Name	:	DONGGUAN SUN KEE INDUSTRIAL CO.,LTD.
Address	:	No.18 Fengyang road,Beizha,Humen town Dongguan city, Guangdong Province, China
Telephone	:	./.
Fax	:	./.

1.5 Application details

Date of receipt of application : 2024-05-06
Date of receipt of test item : 2024-05-06
Date of test : 2024-05-06 to 2024-05-14
Date of issue : 2024-05-15

1.6 Test item

Product type : Lanky Bot Mystery RC
Model name : 2112 / 21121
Brand : LANKYBOX
Sample ID : 240507-15-001
Serial number : ./.
Ratings : 3Vdc supplied by 2* type "AA" Battery
Test voltage : 3Vdc
FCC ID : 2AWAULBMRC2112T
PMN : Lanky Bot Mystery RC
Additional information : ./.

RadioTechnical data

Frequency range : 2402MHz – 2478MHz
Radio Tech. : 2.4G SRD
Frequency channel : 77
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		
7	2408	25	2426	43	2444	61	2462		
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,2478MHz) 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	2024-05-05
23-2-12-02	TRILOG Broadband Antenna	VULB9168	2024-05-05
23-2-12-03	Horn Antenna	3117	2024-05-05
23-2-12-04	Horn Antenna	BBHA 9170	2024-05-05
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:

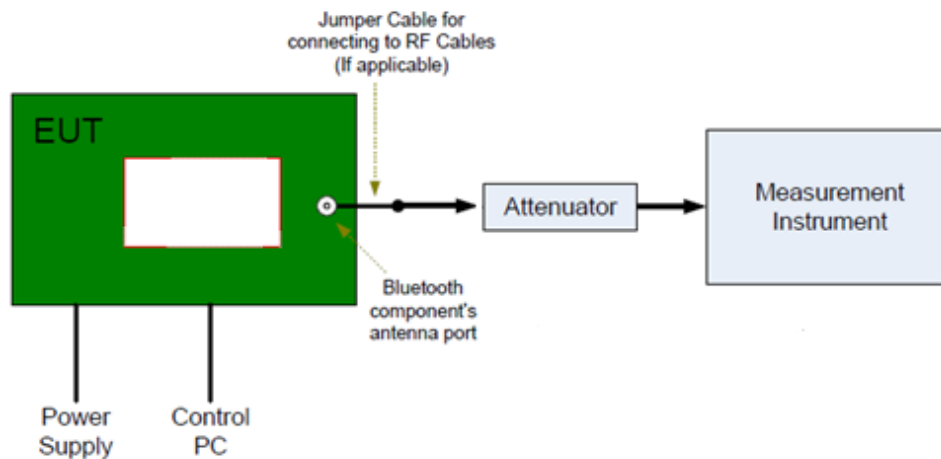
DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
Laptop	LENOVO	TP00096A	PF-1QH0LV

2.7 Test software information:

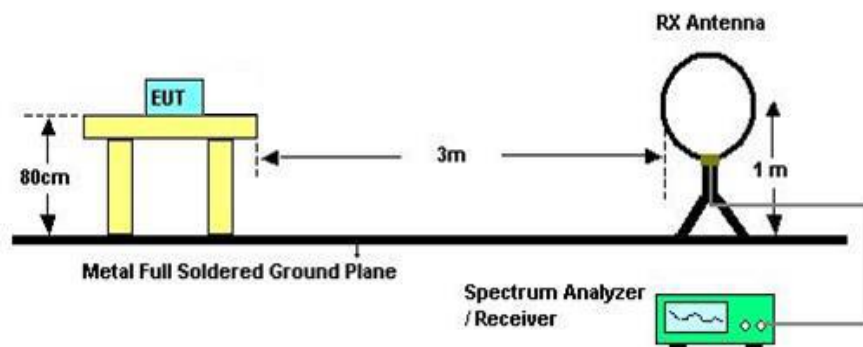
Test Software Version	N.A		
Modulation	Setting TX Power	TX Pattern	Packet Type
GFSK	N.A	TX Packet	N.A

2.8 Test setup

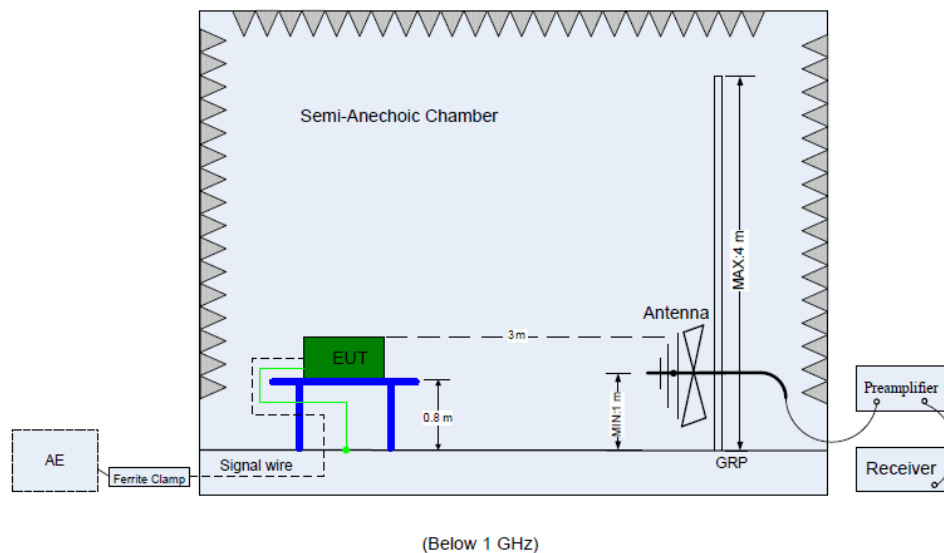
Setup diagram for conducted tests



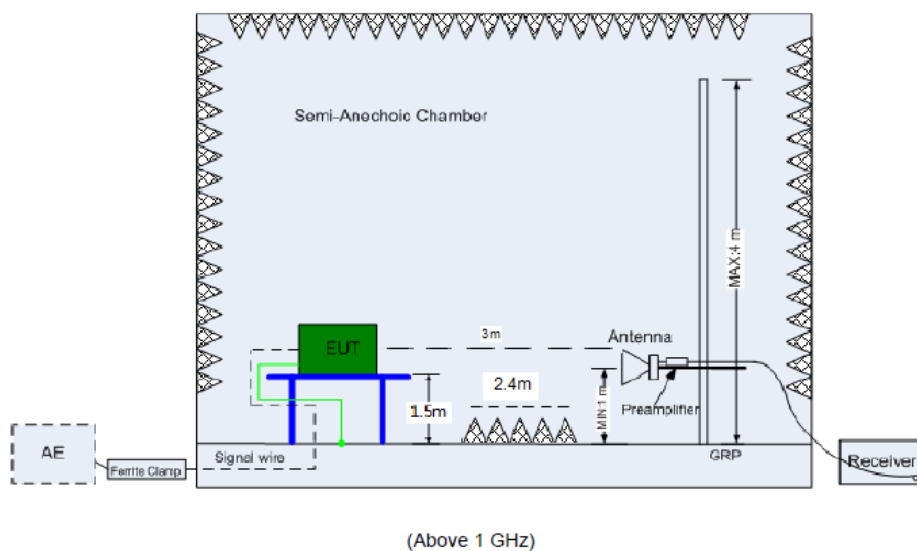
Setup diagram for radiated tests below 30MHz



Setup diagram for radiated tests below 1GHz



Setup diagram for radiated tests above 1GHz



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
§15.215(c)(1)	20dB bandwidth	See page 12	Pass	Site 1
§15.249(a)&(d)&§15.209 &§15.205	Radiated emission	See page 16	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 20 dB bandwidth

Test Method:

The test method was referred 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.

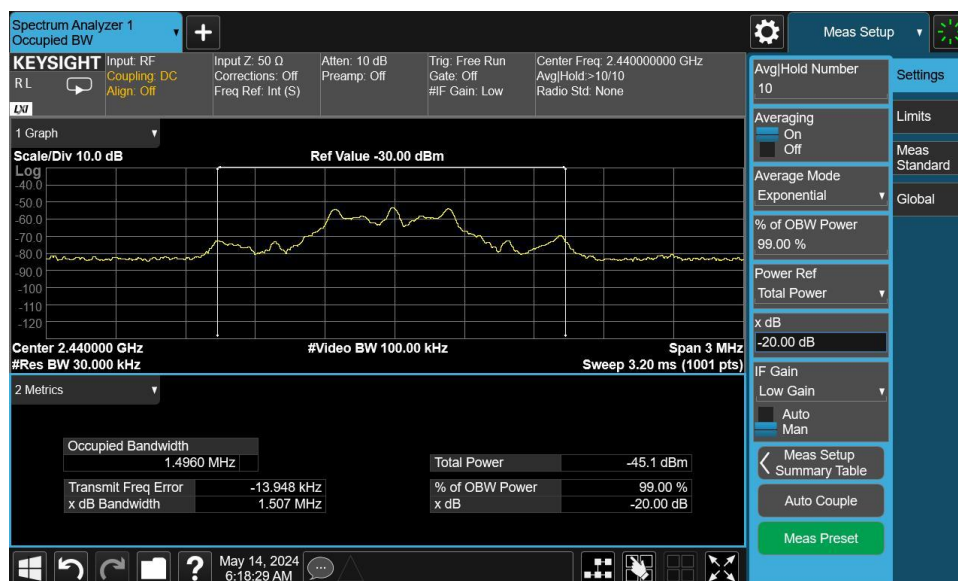
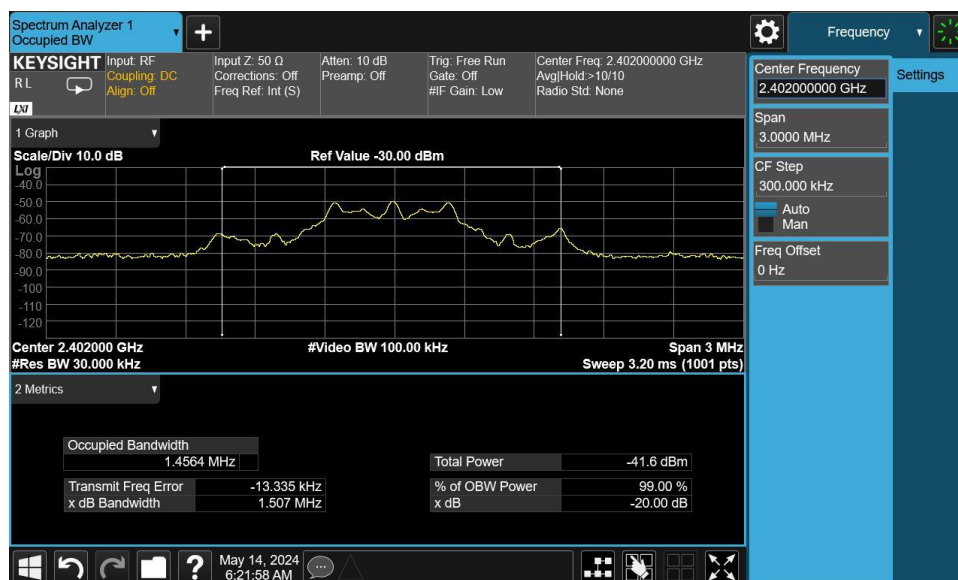
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and 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 $[(\text{reference value}) - xx]$. 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 “-xx 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 “-xx 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).

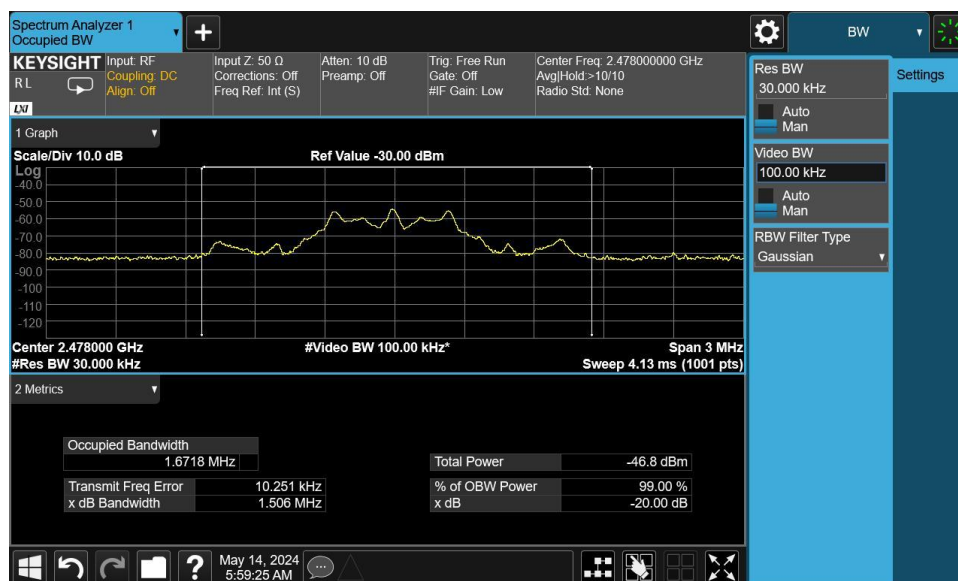
Limit:

None; for reporting purposes only.

Test Result:

Channel	20db EBW[MHz]	Verdict
2402	1.507	PASS
2440	1.507	PASS
2478	1.506	PASS





3.2 Radiated emission

Test Method:

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

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

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 ($20\log(1/\text{duty cycle})$).
- 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 $\text{VBW} \geq 1 / T$, the T is transmission duration (T).

Limit:

FCC §15.209

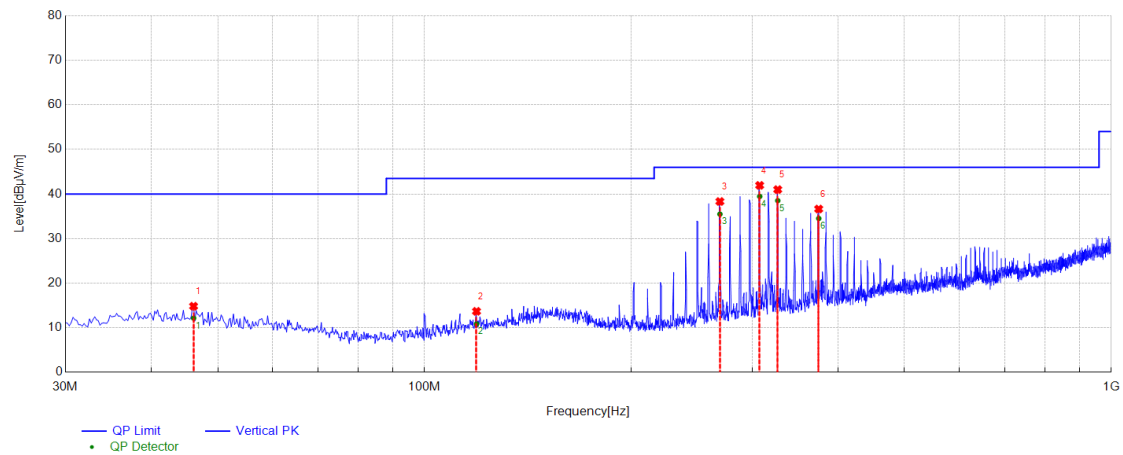
Frequency Range (MHz)	Field Strength Limit ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

§15.205 Restricted bands of operation

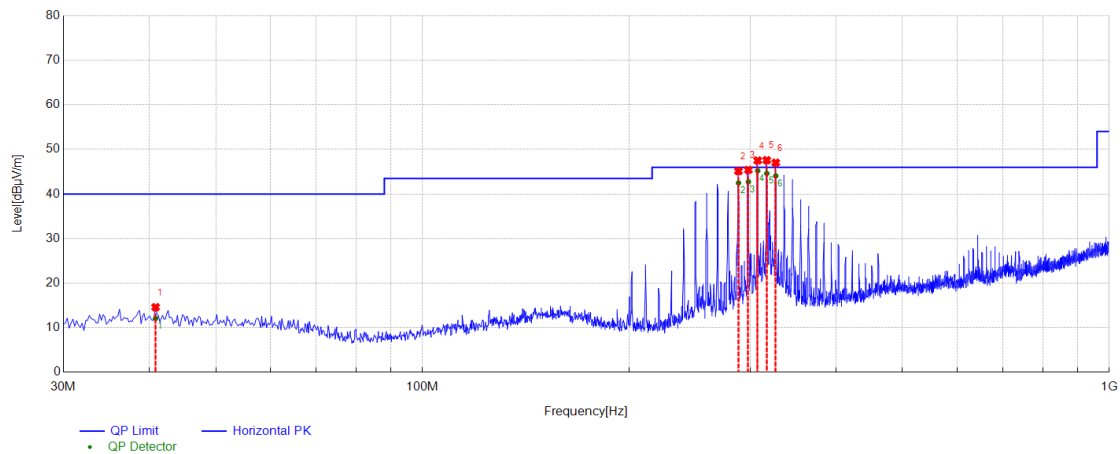
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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	46.1052	-16.12	12.16	40.00	27.84	100	275	Vertical	PASS
2	119.0638	-18.31	10.85	43.50	32.65	100	343	Vertical	PASS
3	269.2498	-16.86	35.49	46.00	10.51	100	13	Vertical	PASS
4	307.6695	-15.78	39.46	46.00	6.54	100	13	Vertical	PASS
5	326.8794	-15.43	38.52	46.00	7.48	100	13	Vertical	PASS
6	375.0010	-14.52	34.52	46.00	11.48	100	197	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	40.8662	-15.65	12.10	40.00	27.90	100	224	Horizontal	PASS
2	288.4597	-16.97	42.48	46.00	3.52	100	152	Horizontal	PASS
3	298.1616	-16.17	42.73	46.00	3.27	100	159	Horizontal	PASS
4	307.6695	-15.78	45.21	46.00	0.79	100	159	Horizontal	PASS
5	317.1774	-15.60	44.63	46.00	1.37	100	176	Horizontal	PASS
6	326.8794	-15.43	44.07	46.00	1.93	100	166	Horizontal	PASS

Mode:	2402
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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	1362	1.11	38.80	74.00	35.20	33.35	54.00	20.65	150	123	Horizontal	PASS
2	1988	5.98	42.59	74.00	31.41	37.19	54.00	16.81	150	299	Horizontal	PASS
3	3591	-17.99	38.81	74.00	35.19	30.77	54.00	23.23	150	172	Horizontal	PASS
4	4803	-14.85	56.81	74.00	17.19	34.10	54.00	19.90	150	290	Horizontal	PASS
5	7761	-11.49	43.33	74.00	30.67	33.11	54.00	20.89	150	130	Horizontal	PASS
6	13446	-3.09	46.20	74.00	27.80	35.90	54.00	18.10	150	242	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	1182	1.08	38.37	74.00	35.63	33.26	54.00	20.74	150	94	Vertical	PASS
2	1844	4.66	42.37	74.00	31.63	36.02	54.00	17.98	150	239	Vertical	PASS
3	3846	-17.35	38.82	74.00	35.18	30.75	54.00	23.25	150	49	Vertical	PASS
4	4803	-14.85	60.66	74.00	13.34	37.11	54.00	16.89	150	266	Vertical	PASS
5	9216	-8.83	41.99	74.00	32.01	34.73	54.00	19.27	150	46	Vertical	PASS
6	13461	-2.94	46.61	74.00	27.39	38.21	54.00	15.79	150	342	Vertical	PASS

Mode:	2440
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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	1122	0.89	38.87	74.00	35.13	32.26	54.00	21.74	150	157	Horizontal	PASS
2	1880	5.05	42.44	74.00	31.56	36.20	54.00	17.80	150	219	Horizontal	PASS
3	3813	-17.02	40.14	74.00	33.86	31.21	54.00	22.79	150	283	Horizontal	PASS
4	4881	-14.67	58.51	74.00	15.49	46.74	54.00	7.26	150	212	Horizontal	PASS
5	7830	-11.24	42.20	74.00	31.80	32.14	54.00	21.86	150	103	Horizontal	PASS
6	10743	-6.90	44.25	74.00	29.75	34.89	54.00	19.11	150	338	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	1272	1.10	39.48	74.00	34.52	33.81	54.00	20.19	150	36	Vertical	PASS
2	1818	4.40	42.54	74.00	31.46	35.07	54.00	18.93	150	50	Vertical	PASS
3	3627	-17.64	38.87	74.00	35.13	30.72	54.00	23.28	150	347	Vertical	PASS
4	4880.19	-14.67	64.66	74.00	9.34	48.64	54.00	5.36	200	262.6	Vertical	PASS
5	8067	-11.17	42.17	74.00	31.83	33.27	54.00	20.73	150	247	Vertical	PASS
6	11334	-6.15	44.76	74.00	29.24	35.44	54.00	18.56	150	124	Vertical	PASS

Mode:	2478
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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	1224	1.08	39.47	74.00	34.53	32.99	54.00	21.01	150	37	Horizontal	PASS
2	1832	4.54	42.53	74.00	31.47	35.58	54.00	18.42	150	138	Horizontal	PASS
3	4104	-16.89	39.71	74.00	34.29	32.53	54.00	21.47	150	270	Horizontal	PASS
4	4956	-15.20	57.11	74.00	16.89	40.66	54.00	13.34	150	214	Horizontal	PASS
5	8112	-10.98	43.68	74.00	30.32	34.08	54.00	19.92	150	229	Horizontal	PASS
6	12957	-3.51	45.53	74.00	28.47	36.32	54.00	17.68	150	78	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	1258	1.06	39.17	74.00	34.83	32.67	54.00	21.33	150	273	Vertical	PASS
2	1912	5.33	43.72	74.00	30.28	36.68	54.00	17.32	150	0	Vertical	PASS
3	3768	-17.06	38.80	74.00	35.20	30.79	54.00	23.21	150	148	Vertical	PASS
4	4956	-15.20	58.56	74.00	15.44	42.08	54.00	11.92	150	269	Vertical	PASS
5	6987	-11.69	41.51	74.00	32.49	34.77	54.00	19.23	150	274	Vertical	PASS
6	9354	-9.16	42.83	74.00	31.17	34.82	54.00	19.18	150	310	Vertical	PASS

Band-edge (Radiated)

Mode:	2402
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	48.34	9.07	74.00	25.66	150	180	Horizontal
2	2332.16	51.07	9.29	74.00	22.93	150	1	Horizontal
3	2334.96	51.43	9.23	74.00	22.57	150	60	Horizontal
4	2346.4	50.37	9.29	74.00	23.63	150	177	Horizontal
5	2377.28	51.61	9.87	74.00	22.39	150	130	Horizontal
6	2400	50.80	10.38	74.00	23.20	150	71	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	48.76	9.07	74.00	25.24	150	304	Vertical
2	2322.32	50.46	9.19	74.00	23.54	150	112	Vertical
3	2332.08	50.52	9.30	74.00	23.48	150	106	Vertical
4	2345.76	50.57	9.31	74.00	23.43	150	204	Vertical
5	2368.72	51.25	9.46	74.00	22.75	150	70	Vertical
6	2400	50.17	10.38	74.00	23.83	150	268	Vertical

Mode:	2478
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	52.97	10.62	74.00	21.03	150	0	Horizontal
2	2483.66	54.76	10.60	74.00	19.24	150	287	Horizontal
3	2485.33	53.89	10.47	74.00	20.11	150	280	Horizontal
4	2487.06	52.52	10.33	74.00	21.48	150	287	Horizontal
5	2491.48	51.88	10.37	74.00	22.12	150	287	Horizontal
6	2500	49.69	10.10	74.00	24.31	150	323	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.66	47.14	10.60	54.00	6.88	150	287	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	50.73	10.62	74.00	23.27	150	333	Vertical
2	2484.65	51.78	10.52	74.00	22.22	150	274	Vertical
3	2486.60	51.76	10.36	74.00	22.24	150	35	Vertical
4	2487.98	52.02	10.21	74.00	21.98	150	56	Vertical
5	2492.95	51.50	10.43	74.00	22.50	150	254	Vertical
6	2500	49.72	10.10	74.00	24.28	150	254	Vertical

Level = Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

Field strength of fundamental

PK Data List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2402	86.52	10.80	114.00	27.48	100	21	Horizontal
2	2402	80.52	10.80	114.00	33.48	100	145	Vertical
3	2440	79.43	6.96	114.00	34.57	150	308	Horizontal
4	2440	64.16	6.96	114.00	49.84	150	327	Vertical
5	2478	78.98	7.10	114.00	35.02	150	316	Horizontal
6	2478	64.13	7.10	114.00	49.87	150	228	Vertical

-END OF REPORT-