



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

RADIO TEST - REPORT

FCC Compliance Test Report for

Product name: Electronic Cornhole

Model name: FS2521

FCC ID: 2BBZL-FS2521

Test Report Number: EFGX24090441-IE-01-E02

1	General Information	3
1.1	Notes	3
1.2	Testing laboratory	4
1.3	Details of applicant	4
1.4	Details of manufacturer	4
1.5	Application details	5
1.6	Test item	5
1.7	Test standards	5
2	Technical test	6
2.1	Summary of test results	6
2.2	Test environment	6
2.3	Measurement uncertainty	6
2.4	Test mode	7
2.5	Test equipment utilized	8
2.6	Auxiliary Equipment Used during Test:	8
2.7	Test software information:	8
2.8	Test setup	9
2.9	Test results	11
3	Technical requirement and result	12
3.1	20 dB bandwidth	12
3.2	Radiated emission	15

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.

The test report may only be reproduced or published in full. Reproducing or publishing extracts of the report requires the prior written approval of the Eurofins Electrical Testing Service (Shenzhen) Co., Ltd. This document is subject to the General Terms and Conditions and the Testing and Certification System of Eurofins Electrical Testing Service (Shenzhen) Co., Ltd., available on request or accessible at www.eurofins.com.

Operator:

2024-10-31

Bruce Zheng / Project Engineer



Date

Eurofins-Lab.

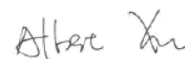
Name / Title

Signature

Technical responsibility for area of testing:

2024-10-31

Albert Xu / Lab Manager



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 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	:	Dime Trading Corp
Address	:	199 Lee Ave Suite 169 Brooklyn New York United States
Telephone	:	./.
Fax	:	./.

1.4 Details of manufacturer

Name	:	HATZLACHA GROUP LIMITED
Address	:	RM 506C, 5/F, MIRROR TOWER, 61 MODY ROAD, T.S.T. KLN,HK
Telephone	:	./.
Fax	:	./.

1.5 Application details

Date of receipt of application : 2024-09-26
Date of receipt of test item : 2024-09-26
Date of test : 2024-09-26 to 2024-10-22
Date of issue : 2024-10-31

1.6 Test item

Product type : Electronic Cornhole
Model name : FS2521
Brand : FLINGSPORT
Sample ID : 240927-01-002
Serial number : ./.
Ratings : 4.5Vdc supplied by 3* type "AA" Battery
Test voltage : 4.5Vdc
FCC ID : 2BBZL-FS2521
PMN : Electronic Cornhole
Additional information : ./.

RadioTechnical data

Frequency range : 2407MHz – 2477MHz
Radio Tech. : 2.4G SRD
Frequency channel : 71
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

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

The EUT was set at continuously transmitting mode (2407MHz,2443MHz,2477MHz) 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:

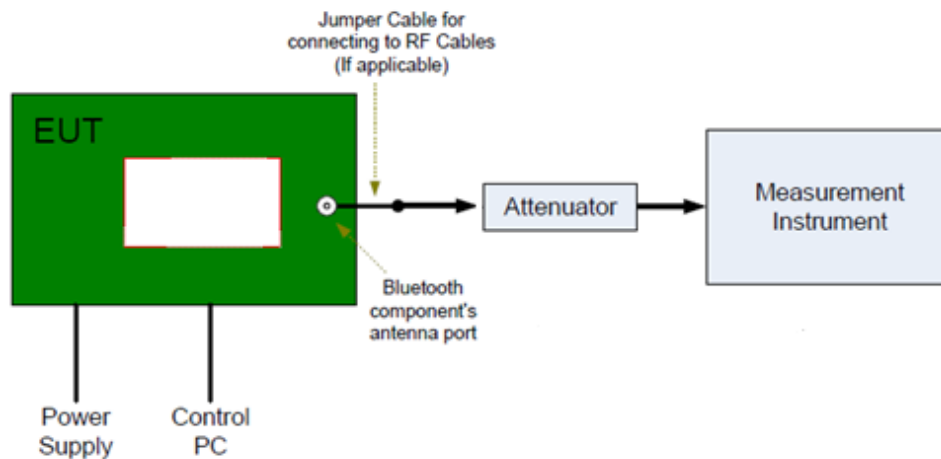
DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
Laptop	LENOVO	TP00096A	PF-1QH0LV

2.7 Test software information:

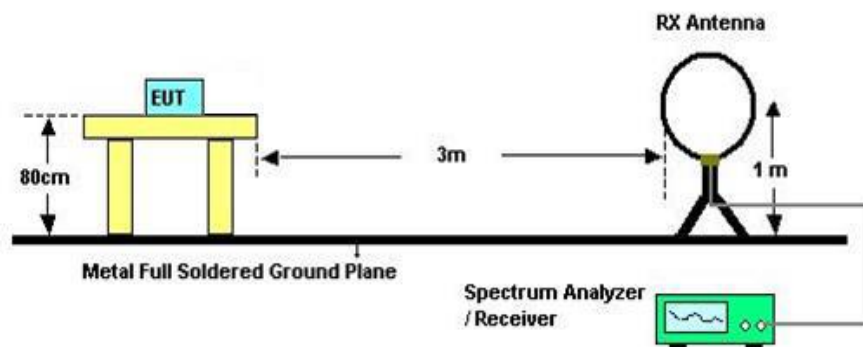
Test Software Version	N.A		
Modulation	Setting TX Power	TX Pattern	Packet Type
GFSK	N.A	TX Packet	N.A

2.8 Test setup

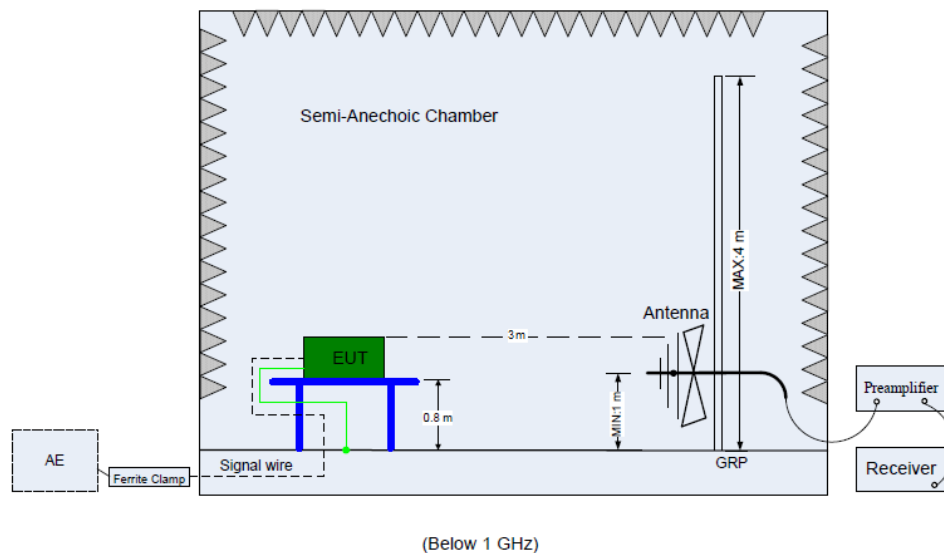
Setup diagram for conducted tests



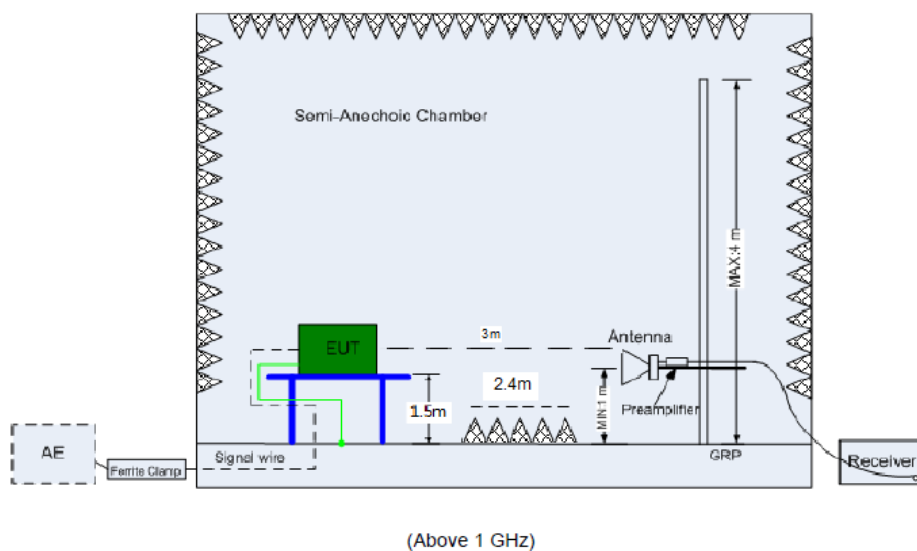
Setup diagram for radiated tests below 30MHz



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.

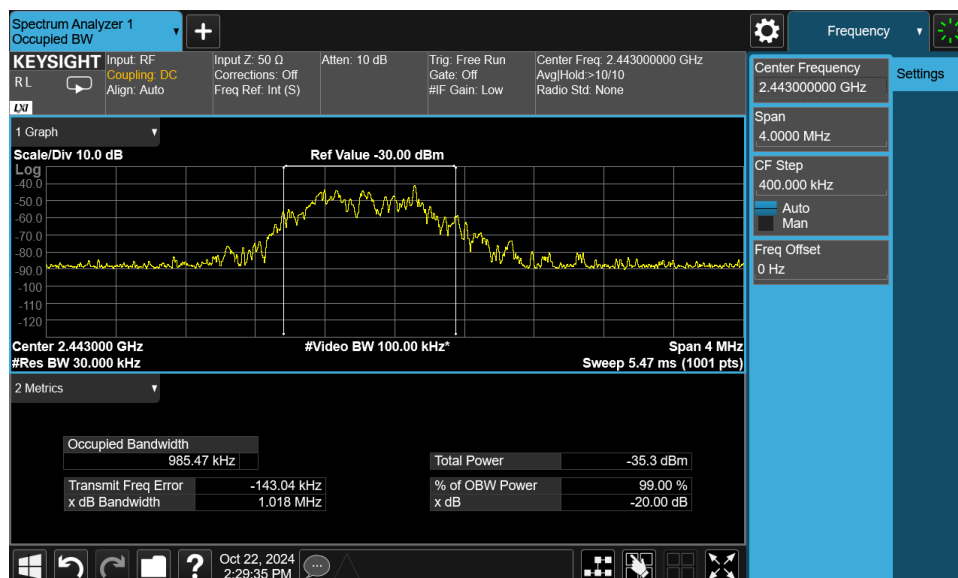
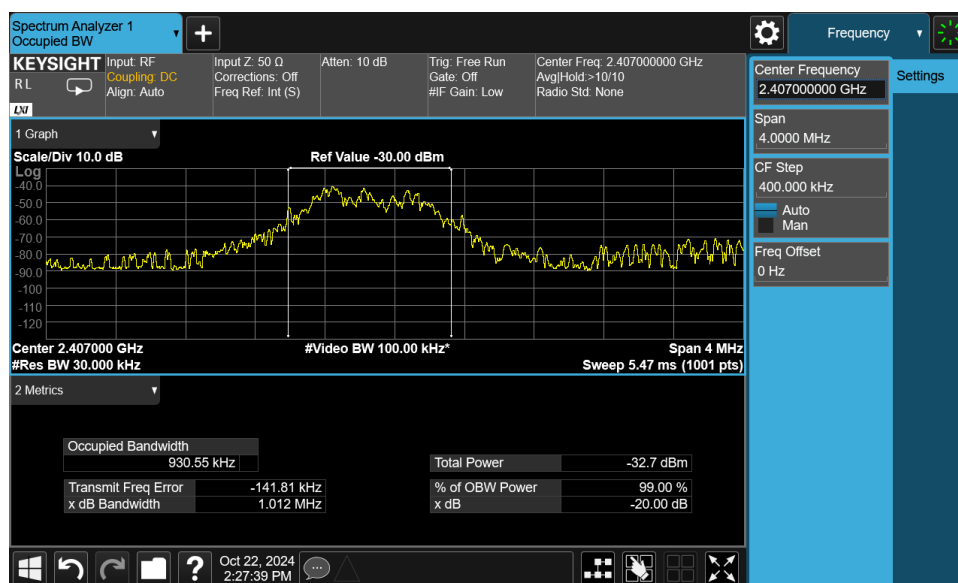
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and 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).

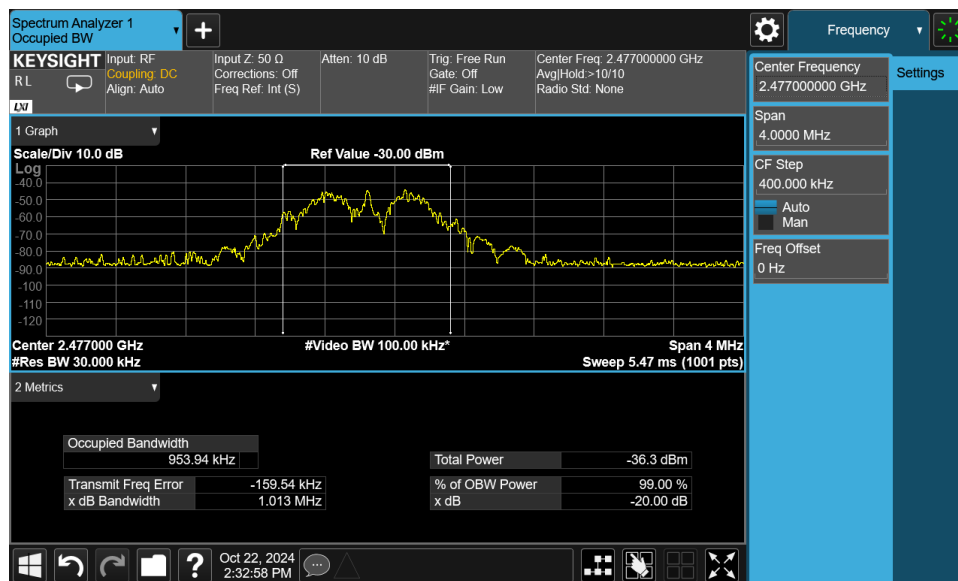
Limit:

None; for reporting purposes only.

Test Result:

Channel	20db EBW[MHz]	Verdict
2407	1.012	PASS
2443	1.018	PASS
2477	1.013	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

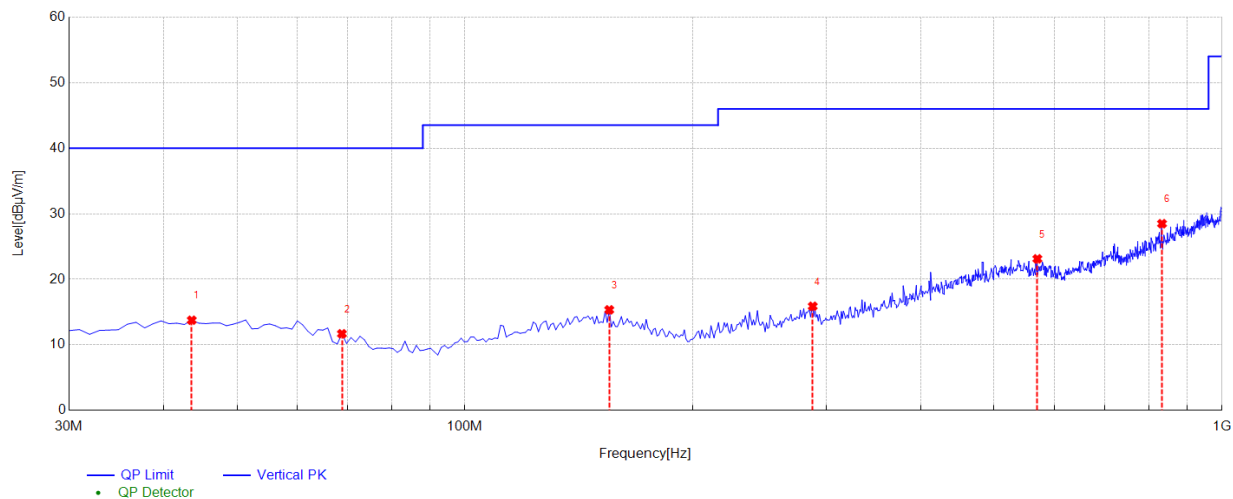
Frequency Range (MHz)	Field Strength Limit ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

§15.205 Restricted bands of operation

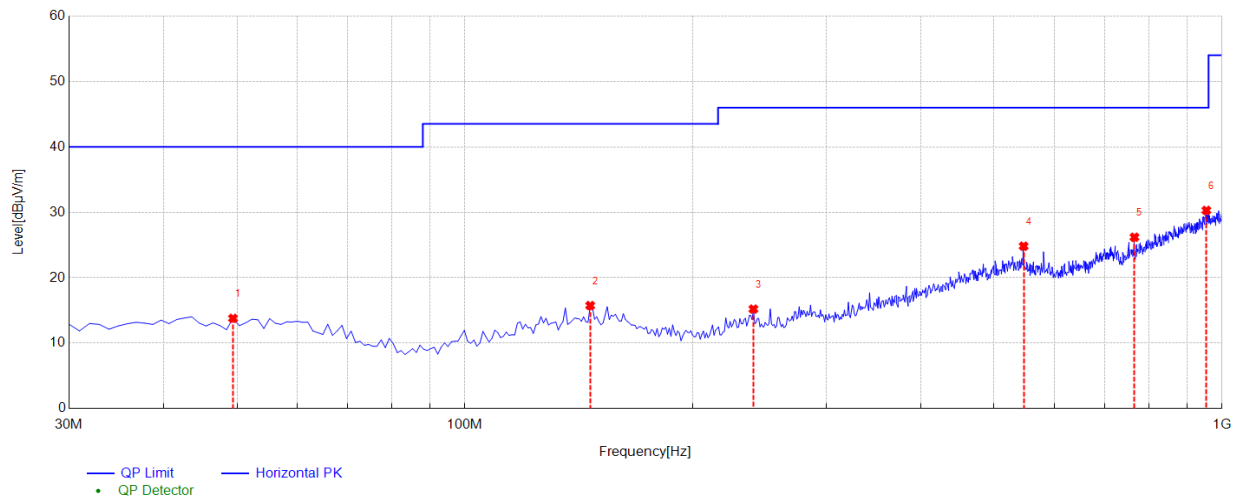
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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:


NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	43.5800	13.77	-15.73	40.00	26.23	100	299	Vertical	PASS
2	68.8000	11.70	-18.28	40.00	28.30	100	62	Vertical	PASS
3	155.130	15.35	-16.32	43.50	28.15	100	125	Vertical	PASS
4	288.020	15.90	-16.01	46.00	30.10	100	348	Vertical	PASS
5	570.290	23.13	-9.64	46.00	22.87	100	103	Vertical	PASS
6	833.160	28.49	-4.24	46.00	17.51	100	73	Vertical	PASS



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	49.4000	13.80	-15.93	40.00	26.20	100	126	Horizontal	PASS
2	146.400	15.76	-16.44	43.50	27.74	100	201	Horizontal	PASS
3	240.490	15.22	-17.14	46.00	30.78	100	104	Horizontal	PASS
4	547.010	24.83	-9.95	46.00	21.17	100	273	Horizontal	PASS
5	766.230	26.20	-5.55	46.00	19.80	100	329	Horizontal	PASS
6	953.440	30.30	-1.32	46.00	15.70	100	251	Horizontal	PASS

Mode:	2407
-------	------

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	1226	2.16	39.75	74.00	34.25	34.50	54.00	19.50	150	132	Horizontal	PASS
2	1866	5.45	43.87	74.00	30.13	35.96	54.00	18.04	150	61	Horizontal	PASS
3	3209.19	-18.21	61.11	74.00	12.89	52.39	54.00	1.61	199.9	0	Horizontal	PASS
4	6393	-12.03	41.54	74.00	32.46	33.43	54.00	20.57	150	13	Horizontal	PASS
5	10035	-7.62	44.10	74.00	29.90	34.99	54.00	19.01	150	279	Horizontal	PASS

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	1340	2.14	39.82	74.00	34.18	33.72	54.00	20.28	150	214	Vertical	PASS
2	1912	5.67	43.99	74.00	30.01	37.36	54.00	16.64	150	24	Vertical	PASS
3	3209.1	-18.21	63.33	74.00	10.67	53.47	54.00	0.53	186.9	219.6	Vertical	PASS
4	4011.3	-16.55	56.51	74.00	17.49	45.06	54.00	8.94	145.3	328.9	Vertical	PASS
5	4971	-15.13	41.38	74.00	32.62	31.60	54.00	22.40	150	256	Vertical	PASS
6	13224	-2.41	46.05	74.00	27.95	37.83	54.00	16.17	150	84	Vertical	PASS

Mode:	2443
-------	------

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	1328	2.21	40.40	74.00	33.60	34.42	54.00	19.58	150	259	Horizontal	PASS
2	1900	5.69	44.15	74.00	29.85	36.47	54.00	17.53	150	281	Horizontal	PASS
3	3257.13	-18.42	59.15	74.00	14.85	49.18	54.00	4.82	105.1	246	Horizontal	PASS
4	4071	-16.84	44.76	74.00	29.24	31.91	54.00	22.09	150	211	Horizontal	PASS
5	4884	-14.57	43.56	74.00	30.44	31.68	54.00	22.32	150	141	Horizontal	PASS
6	10149	-7.01	44.27	74.00	29.73	34.68	54.00	19.32	150	36	Horizontal	PASS

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	1360	2.06	40.50	74.00	33.50	33.68	54.00	20.32	150	351	Vertical	PASS
2	1922	5.65	42.38	74.00	31.62	37.17	54.00	16.83	150	208	Vertical	PASS
3	3257.25	-18.42	61.17	74.00	12.83	52.66	54.00	1.34	185.1	101.3	Vertical	PASS
4	4071	-16.84	49.45	74.00	24.55	30.90	54.00	23.10	150	61	Vertical	PASS
5	5931	-12.36	41.23	74.00	32.77	33.56	54.00	20.44	150	114	Vertical	PASS
6	9819	-7.95	43.73	74.00	30.27	33.99	54.00	20.01	150	210	Vertical	PASS

Mode:	2477
-------	------

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	1374	2.04	40.54	74.00	33.46	34.41	54.00	19.59	150	77	Horizontal	PASS
2	1988	5.86	44.43	74.00	29.57	36.71	54.00	17.29	150	261	Horizontal	PASS
3	3303	-18.16	50.31	74.00	23.69	32.61	54.00	21.39	150	153	Horizontal	PASS
4	4128	-16.46	49.44	74.00	24.56	30.97	54.00	23.03	150	44	Horizontal	PASS
5	5943	-12.14	41.72	74.00	32.28	34.92	54.00	19.08	150	358	Horizontal	PASS
6	13203	-2.24	45.74	74.00	28.26	38.36	54.00	15.64	150	174	Horizontal	PASS

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	2.26	41.02	74.00	32.98	34.40	54.00	19.60	150	194	Vertical	PASS
2	1886	5.59	43.30	74.00	30.70	36.24	54.00	17.76	150	89	Vertical	PASS
3	3314.1	-18.16	60.57	74.00	13.43	51.13	54.00	2.87	163.1	109.3	Vertical	PASS
4	4127.79	-16.46	57.99	74.00	16.01	52.87	54.00	1.13	105.1	323.9	Vertical	PASS
5	6636	-12.26	41.72	74.00	32.28	32.96	54.00	21.04	150	84	Vertical	PASS
6	8070	-11.26	42.09	74.00	31.91	33.07	54.00	20.93	150	81	Vertical	PASS

Band-edge (Radiated)

Mode:	2407
-------	------

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	48.46	6.68	74.00	25.54	150	268	Horizontal	PASS
2	2319.6	47.60	6.79	74.00	26.40	150	309	Horizontal	PASS
3	2342	48.49	6.93	74.00	25.51	150	168	Horizontal	PASS
4	2365.84	48.28	7.17	74.00	25.72	150	356	Horizontal	PASS
5	2379.52	48.25	7.61	74.00	25.75	150	38	Horizontal	PASS
6	2390	47.71	8.15	74.00	26.29	150	302	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	46.44	6.68	74.00	27.56	150	178	Vertical	PASS
2	2324.72	48.04	6.74	74.00	25.96	150	342	Vertical	PASS
3	2336.48	48.29	6.80	74.00	25.71	150	101	Vertical	PASS
4	2354.24	48.90	6.94	74.00	25.10	150	234	Vertical	PASS
5	2361.2	48.85	7.02	74.00	25.15	150	342	Vertical	PASS
6	2390	47.87	8.15	74.00	26.13	150	222	Vertical	PASS

Mode:	2477
-------	------

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	49.63	8.67	74.00	24.37	150	1	Horizontal	PASS
2	2483.99	52.86	8.61	74.00	21.14	150	15	Horizontal	PASS
3	2486.84	50.86	8.41	74.00	23.14	150	356	Horizontal	PASS
4	2490.33	50.21	8.37	74.00	23.79	150	216	Horizontal	PASS
5	2495.13	49.42	8.52	74.00	24.58	150	55	Horizontal	PASS
6	2500	47.93	8.20	74.00	26.07	150	111	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	48.94	8.67	74.00	25.06	150	358	Vertical	PASS
2	2485.71	50.23	8.47	74.00	23.77	150	202	Vertical	PASS
3	2488.35	50.17	8.28	74.00	23.83	150	125	Vertical	PASS
4	2491.40	49.81	8.45	74.00	24.19	150	338	Vertical	PASS
5	2494.81	50.01	8.54	74.00	23.99	150	294	Vertical	PASS
6	2500	48.13	8.20	74.00	25.87	150	33	Vertical	PASS

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	2407	86.66	6.64	114.00	27.34	150	25	Horizontal
2	2407	85.36	6.64	114.00	28.64	150	88	Vertical
3	2443	84.41	6.90	114.00	29.59	150	27	Horizontal
4	2443	84.46	6.90	114.00	29.54	150	88	Vertical
5	2477	86.10	7.12	114.00	27.90	150	19	Horizontal
6	2477	84.36	7.13	114.00	29.64	150	242	Vertical

-END OF REPORT-