



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

RADIO TEST - REPORT

FCC Compliance Test Report for

Product name: SPA

Model name:

**SB-HWF10, SC-WF10, SC-WF10-1, SB-HSWF10, SB-HSWF10-1
SB-HWF10-1, SB-HSWF10-2, SB-HSWF10-3**

FCC ID: SVYSB-HSWF10

Test Report Number: EFGX24030307-IE-01-E01

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	6
2	Technical test	7
2.1	Summary of test results	7
2.2	Test environment	7
2.3	Measurement uncertainty	7
2.4	Test mode	8
2.5	Test equipment utilized	9
2.6	Auxiliary Equipment Used during Test:	9
2.7	Test software information:	9
2.8	Test setup	10
2.9	Test results	12
3	Technical requirement and result	13
3.1	20 dB bandwidth	13
3.2	Radiated emission	19

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.

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Operator:

2024-07-04

Bruce Zheng / Project Engineer



Date

Eurofins-Lab.

Name / Title

Signature

Technical responsibility for area of testing:

2024-07-04

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	:	Intex Development Company Limited
Address	:	9th Floor, Dah Sing financial Centre 108 Gloucester Road Wanchai , Hong Kong
Telephone	:	./.
Fax	:	./.

1.4 Details of manufacturer

Name	:	Intex Development Company Limited
Address	:	9th Floor, Dah Sing financial Centre 108 Gloucester Road Wanchai , Hong Kong
Telephone	:	./.
Fax	:	./.

1.5 Application details

Date of receipt of application : 2024-03-22
 Date of receipt of test item : 2024-03-22
 Date of test : 2024-03-22 to 2024-06-14
 Date of issue : 2024-07-04

1.6 Test item

Product type : SPA
 Model name : SB-HWF10, SC-WF10, SC-WF10-1, SB-HSWF10,
 SB-HSWF10-1, SB-HWF10-1, SB-HSWF10-2,
 SB-HSWF10-3
 Brand : ./.
 Sample ID : 240322-15-001
 Serial number : ./.
 Ratings : 110 - 120 V~, 60 Hz, 12A
 Test voltage : 110V
 FCC ID : SVYSB-HSWF10
 PMN : SPA

RadioTechnical data

Frequency range : 2408MHz – 2476MHz
 Radio Tech. : 2.4G SRD
 Frequency channel : 69
 Modulation : GFSK
 Antenna type : PCB antenna
 Additional information :

1. Model List

No.	Model Name	Function						
		Filter	Heater	Bubble	Saltwater system	Jet Pump	LED	filter box
1	SB-HWF10	✓	✓	✓	x	x	x	x
2	SB-HWF10-1	✓	✓	✓	x	x	x	✓
3	SB-HSWF10	✓	✓	✓	✓	x	x	x
4	SC-WF10	✓	✓	✓	✓	✓	x	x
5	SC-WF10-1	✓	✓	✓	✓	✓	x	x
6	SB-HSWF10-1	✓	✓	✓	✓	x	✓	x
7	SB-HSWF10-2	✓	✓	✓	✓	x	x	✓
8	SB-HSWF10-3	✓	✓	✓	✓	x	✓	✓

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

The EUT was set at continuously transmitting mode (2408MHz,2442MHz,2476MHz) 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	2025-05-05
23-2-12-02	TRILOG Broadband Antenna	VULB9168	2025-05-05
23-2-12-03	Horn Antenna	3117	2025-05-05
23-2-12-04	Horn Antenna	BBHA 9170	2025-05-05
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:

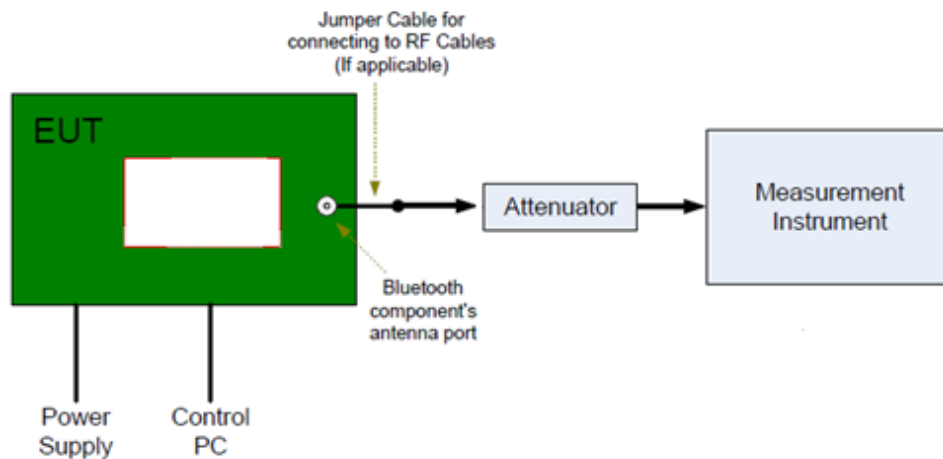
DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
Laptop	LENOVO	TP00096A	PF-1QH0LV

2.7 Test software information:

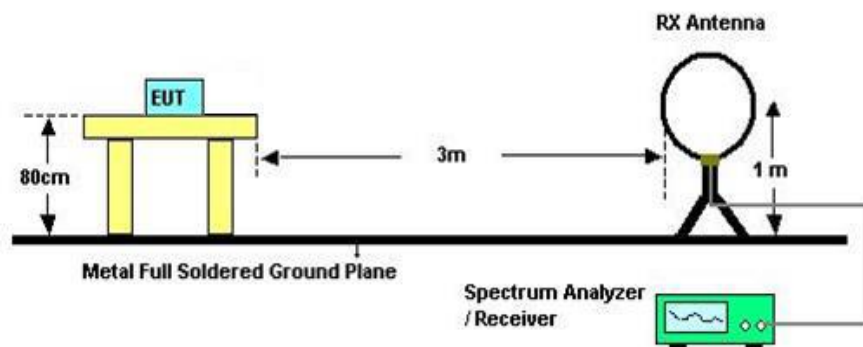
Test Software Version	CMD		
Modulation	Setting TX Power	TX Pattern	Packet Type
GFSK	N.A	TX Packet	N.A

2.8 Test setup

Setup diagram for conducted tests



Setup diagram for radiated tests below 30MHz



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		Pass	Site 1
§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 Conducted emission AC power port

Test Method:

The test method was referred 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.

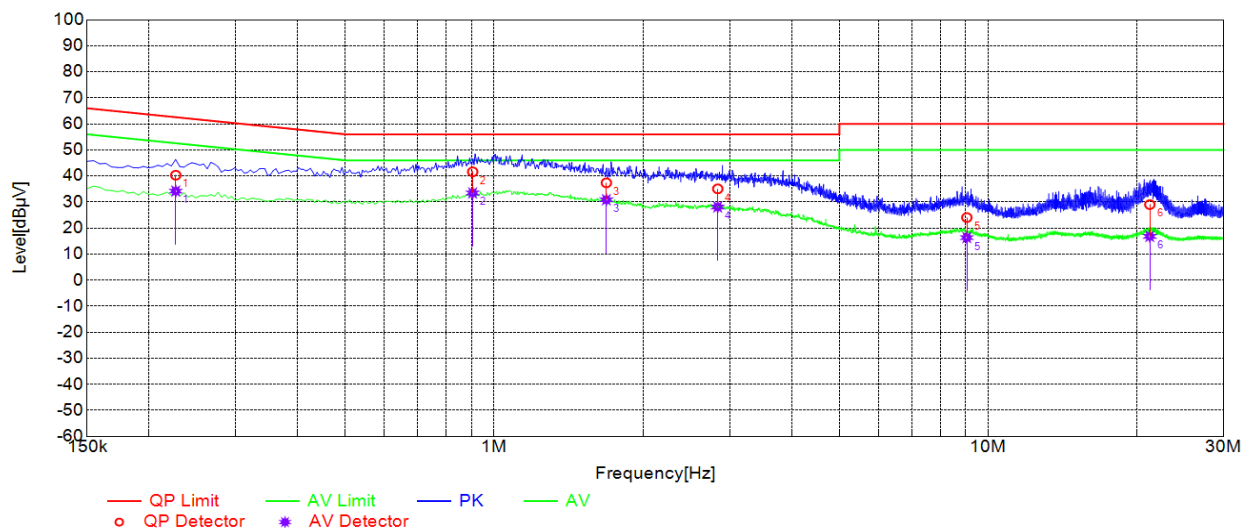
Line conducted data is recorded for both Neutral and Live lines.

Limit:

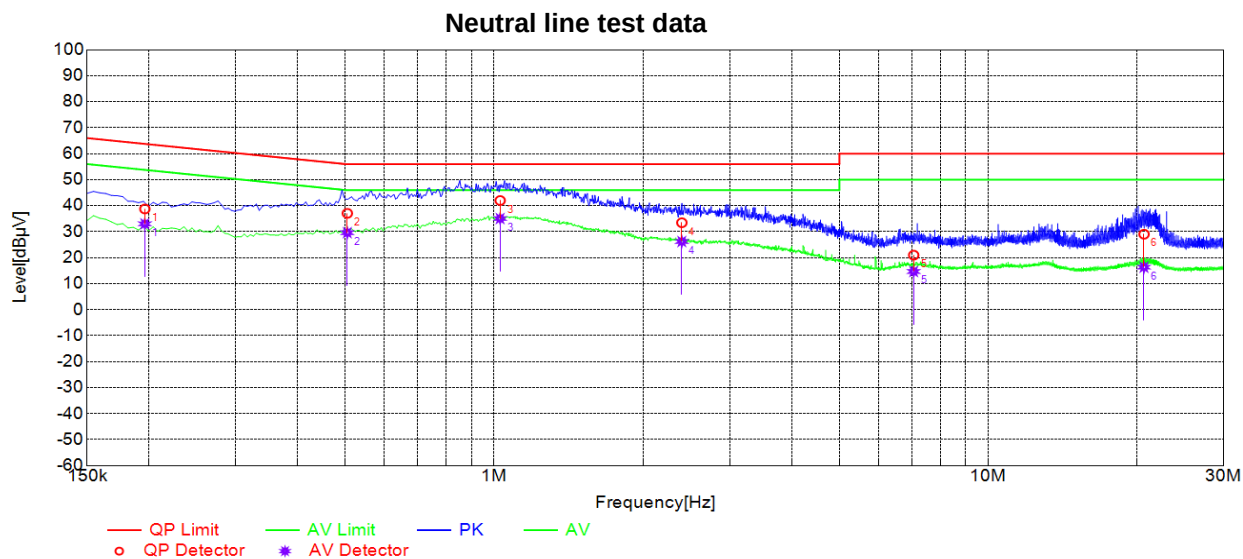
FCC §15.207 (a)

Frequency	QP Limit	AV Limit
MHz	dB μ V	dB μ V
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	0.2266	10.24	40.30	62.57	22.27	34.19	52.57	18.38	L	PASS
2	0.9046	10.29	41.61	56.00	14.39	33.46	46.00	12.54	L	PASS
3	1.6870	10.34	37.38	56.00	18.62	30.86	46.00	15.14	L	PASS
4	2.8353	10.37	35.07	56.00	20.93	28.09	46.00	17.91	L	PASS
5	9.0555	10.50	24.04	60.00	35.96	16.33	50.00	33.67	L	PASS
6	21.2498	10.76	29.02	60.00	30.98	16.80	50.00	33.20	L	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	0.1962	10.24	38.74	63.77	25.03	33.00	53.77	20.77	N	PASS
2	0.5043	10.27	37.06	56.00	18.94	29.60	46.00	16.40	N	PASS
3	1.0281	10.28	41.98	56.00	14.02	35.04	46.00	10.96	N	PASS
4	2.3983	10.30	33.44	56.00	22.56	26.20	46.00	19.80	N	PASS
5	7.0686	10.40	20.96	60.00	39.04	14.66	50.00	35.34	N	PASS
6	20.6840	10.72	29.01	60.00	30.99	16.32	50.00	33.68	N	PASS

3.2 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 $[10 \log (\text{OBW}/\text{RBW})]$ 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 $[(\text{reference value}) - \text{xx}]$. 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
2408	1.507	PASS
2442	1.507	PASS
2476	1.506	PASS





3.3 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

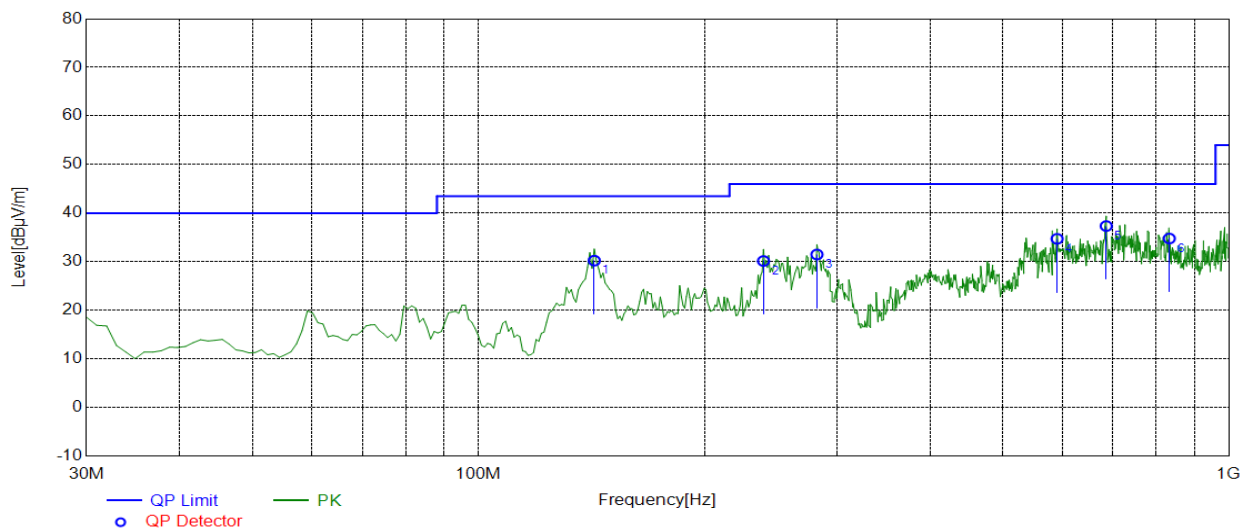
Frequency Range (MHz)	Field Strength Limit ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

§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			

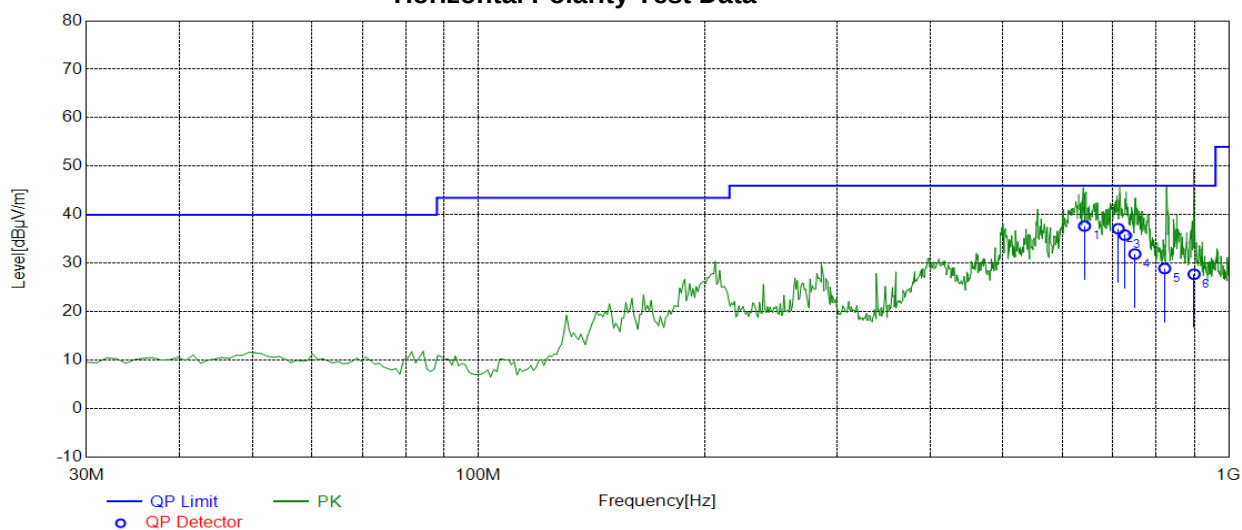
FCC §15.249(a)

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:


Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	142.6326	-16.14	30.23	43.50	13.27	100	135	Vertical
2	239.7297	-17.58	30.15	46.00	15.85	100	117	Vertical
3	282.4525	-16.24	31.49	46.00	14.51	100	106	Vertical
4	590.2503	-9.92	34.72	46.00	11.28	200	142	Vertical
5	686.3764	-8.66	37.35	46.00	8.65	100	101	Vertical
6	832.9930	-6.49	34.78	46.00	11.22	200	215	Vertical

Horizontal Polarity Test Data



Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	642.1428	-9.27	37.68	46.00	8.32	110.3	82.9	Horizontal
2	712.1925	-8.26	37.11	46.00	8.89	122.5	70.4	Horizontal
3	726.8150	-7.99	35.81	46.00	10.19	110.3	77.4	Horizontal
4	749.3465	-7.74	31.90	46.00	14.10	113.4	38.2	Horizontal
5	821.2322	-6.54	28.91	46.00	17.09	135	60.4	Horizontal
6	898.7600	-5.84	27.74	46.00	18.26	105.5	57	Horizontal

Test Report No.: EFGX24050028-IE-01-E01

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

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Mode:	2408
-------	------

NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1168	41.76	1.05	74.00	32.24	150	200	Horizontal	PASS
2	1854	44.29	4.76	74.00	29.71	150	234	Horizontal	PASS
3	4176	42.56	-16.30	74.00	31.44	150	135	Horizontal	PASS
4	6006	43.86	-12.18	74.00	30.14	150	296	Horizontal	PASS
5	8376	44.33	-10.15	74.00	29.67	150	102	Horizontal	PASS
6	14346	48.41	-1.11	74.00	25.59	150	325	Horizontal	PASS

NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1442	41.91	1.33	74.00	32.09	150	140	Vertical	PASS
2	1990	46.49	6.01	74.00	27.51	150	240	Vertical	PASS
3	4245	43.12	-16.65	74.00	30.88	150	289	Vertical	PASS
4	6135	44.00	-12.85	74.00	30.00	150	106	Vertical	PASS
5	9345	46.22	-9.15	74.00	27.78	150	94	Vertical	PASS
6	12192	47.32	-4.67	74.00	26.68	150	278	Vertical	PASS

Mode:	2442
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NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1532	43.34	1.64	74.00	30.66	150	302	Horizontal	PASS
2	2094	46.20	6.45	74.00	27.80	150	297	Horizontal	PASS
3	5037	42.74	-14.23	74.00	31.26	150	185	Horizontal	PASS
4	7017	43.96	-11.74	74.00	30.04	150	344	Horizontal	PASS
5	10650	46.08	-7.19	74.00	27.92	150	296	Horizontal	PASS
6	13554	48.41	-2.28	74.00	25.59	150	305	Horizontal	PASS

NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1248	42.27	1.03	74.00	31.73	150	168	Vertical	PASS
2	2098	46.70	6.47	74.00	27.30	150	230	Vertical	PASS
3	4746	48.49	-14.61	74.00	25.51	150	128	Vertical	PASS
4	6456	44.56	-12.72	74.00	29.44	150	245	Vertical	PASS
5	10572	45.90	-7.03	74.00	28.10	150	167	Vertical	PASS
6	13188	49.03	-2.56	74.00	24.97	150	93	Vertical	PASS

Mode:	2476
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NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1326	41.67	1.12	74.00	32.33	150	216	Horizontal	PASS
2	1820	44.02	4.42	74.00	29.98	150	313	Horizontal	PASS
3	4932	42.55	-14.89	74.00	31.45	150	274	Horizontal	PASS
4	6348	44.34	-12.38	74.00	29.66	150	231	Horizontal	PASS
5	7440	46.01	-11.79	74.00	27.99	150	274	Horizontal	PASS
6	13137	48.68	-3.07	74.00	25.32	150	337	Horizontal	PASS

NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1318	43.34	1.15	74.00	30.66	150	219	Vertical	PASS
2	1930	44.45	5.41	74.00	29.55	150	315	Vertical	PASS
3	5274	45.76	-14.01	74.00	28.24	150	114	Vertical	PASS
4	7440	46.26	-11.79	74.00	27.74	150	296	Vertical	PASS
5	11181	46.53	-5.98	74.00	27.47	150	274	Vertical	PASS
6	16185	48.68	0.15	74.00	25.32	150	125	Vertical	PASS

Band-edge (Radiated)

Mode:	2408
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NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	49.29	9.07	74.00	24.71	150	16	Horizontal	PASS
2	2319.76	50.57	9.18	74.00	23.43	150	360	Horizontal	PASS
3	2337.92	51.28	9.21	74.00	22.72	150	149	Horizontal	PASS
4	2350.16	50.87	9.25	74.00	23.13	150	87	Horizontal	PASS
5	2382.72	51.88	10.02	74.00	22.12	150	232	Horizontal	PASS
6	2400	50.88	10.38	74.00	23.12	150	176	Horizontal	PASS

NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	49.35	9.07	74.00	24.65	150	11	Vertical	PASS
2	2324.4	51.08	9.14	74.00	22.92	150	72	Vertical	PASS
3	2335.84	50.70	9.20	74.00	23.30	150	135	Vertical	PASS
4	2348.08	50.94	9.23	74.00	23.06	150	232	Vertical	PASS
5	2378	51.60	9.86	74.00	22.40	150	344	Vertical	PASS
6	2400	51.00	10.38	74.00	23.00	150	167	Vertical	PASS

Mode:	2476
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	51.29	10.62	74.00	22.71	150	63	Horizontal	PASS
2	2486.45	51.90	10.36	74.00	22.10	150	151	Horizontal	PASS
3	2488.59	52.53	10.23	74.00	21.47	150	220	Horizontal	PASS
4	2492.55	52.13	10.42	74.00	21.87	150	181	Horizontal	PASS
5	2496.89	51.45	10.31	74.00	22.55	150	63	Horizontal	PASS
6	2500	49.78	10.10	74.00	24.22	150	75	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	50.90	10.62	74.00	23.10	150	125	Vertical	PASS
2	2486.91	52.51	10.34	74.00	21.49	150	303	Vertical	PASS
3	2488.00	51.75	10.21	74.00	22.25	150	22	Vertical	PASS
4	2492.97	52.22	10.43	74.00	21.78	150	58	Vertical	PASS
5	2495.82	51.59	10.39	74.00	22.41	150	279	Vertical	PASS
6	2500	50.27	10.10	74.00	23.73	150	241	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	2408	88.62	6.83	114.00	25.38	150	6	Horizontal
2	2408	84.32	6.83	114.00	29.68	150	310	Vertical
3	2442	93.16	10.96	114.00	20.84	150	326	Horizontal
4	2442	88.48	10.96	114.00	25.52	150	219	Vertical
5	2476	93.78	11.10	114.00	20.22	150	145	Horizontal
6	2476	91.18	11.10	114.00	22.82	150	26	Vertical

-END OF REPORT-