



EMC TEST REPORT

Applicant:	Lenovo (Shanghai) Electronics Technology Co., Ltd.
Address:	NO.68 BUILDING, 199 FENJU RD, Pilot Free Trade Zone, 200131, China

Manufacturer or Supplier:	LENOVO(BEIJING).,LTD
Address:	NO.6 CHUANGYE ROAD, SHANGDI INFORMATION INDUSTRY BASE, HAIDIAN DISTRICT, BEIJING, CHINA, 100085
Product:	Smartwatch
Brand Name:	Lenovo
Model Name:	WATCH X, WATCH X PLUS
FCC ID:	O57WATCHX-01
Date of tests:	Jul. 25, 2018 ~ Aug. 15, 2018

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

FCC Part 15, Subpart B, Class B

ANSI C63.4:2014

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

Issued by Alex Chen Engineer / Mobile Department	Approved by Sam Tung Manager / Mobile Department	
Alex	V who	
Date: Aug. 15, 2018	Date: Aug. 15, 2018	

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FV180724W002	Original release	Aug. 15, 2018

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GENERAL INFORMATION

1.1 **GENERAL DESCRIPTION OF EUT**

PRODUCT	Smartwatch		
BRAND NAME	Lenovo		
MODEL NAME	WATCH X, WATCH	X PLUS	
NOMINAL VOLTAGE	DC 3.8V		
BATTERY	Brand Name: N/A Model Name: GRP363027 Power Rating: DC 3.8V, 225mAh, Li-ion		
MODULATION TYPE	BT_LE DTS		
OPERATING FREQUENCY	BT_LE 2402MHz ~ 2480MHz		
HW VERSION	v01		
SW VERSION	WATCH X	v0.2.4	
SW VERSION	WATCH X PLUS	v0.1.9	
I/O PORTS	Refer to user's manual		
CABLE	USB cable: non-shielded, detachable, 800±30mm		
ACCESSORY DEVICES	Refer to note as below		

NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 2. The EUT matched the following USB cable:

USB CABLE		
BRAND:	N/A	
MODEL:	N/A	
SIGNAL LINE:	800±30mm	

- 3. The above models are identical except the appearance / model name / SW Version for marketing purpose.
- 4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

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1.2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart B				
Standard Section Test Item		Result	Remark	
FCC Part 15, Subpart B, Class B	Conducted Test Radiated Emission Test (30MHz ~ 1GHz)	PASS PASS	Meets limits minimum passing margin is -25.44dB at 0.444000MHz. Meets Class B Limit Minimum passing margin is	
ANSI C63.4:2014	Radiated Emission Test (Above 1GHz)	PASS	-21.09dB at 422.85MHz Meets Class B Limit Minimum passing margin is -15.97dB at 3150MHz	

1.3 MEASUREMENT UNCERTAINTY

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

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz ~ 30MHz	+/-2.66dB
Dedicted emissions	30MHz ~ 1GHz	+/-3.26dB
Radiated emissions	1GHz ~ 18GHz	+/-4.48dB



1.4 **DESCRIPTION OF TEST MODES**

Test Mode	Test Condition		
	Radiated emission test		
1	1 Adapter + USB Cable + BT Link + Mobile Phone		
	Conducted emission test		
1	Adapter + USB Cable + BT Link + Mobile Phone		

NOTE:

- 1. For conducted emission test, test mode 1 was the worst case and only this mode was presented in this report.
- 2. For radiated emission test, test mode 1 was the worst case and only this mode was presented in this report

1.5 **DESCRIPTION OF SUPPORT UNITS**

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

FOR EMISSION TESTS

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Mobile Phone	N/A	N/A	N/A	N/A
2	Adapter	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	N/A



EMISSION TEST

CONDUCTED EMISSION MEASUREMENT 2.1

2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)		
	Quasi-peak	Average	
0.15 ~ 0.5	66 to 56	56 to 46	
0.5 ~ 5 5 ~ 30	56 60	46 50	

NOTE: 1.The lower limit shall apply at the transition frequencies.

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

2.1.2 **TEST INSTRUMENTS**

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Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Mar. 15,18	Mar. 14,19
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Sep. 18,17	Sep. 17,18

NOTE: 1. The test was performed in CE shielded room.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

District. Shenzhen51800. China Email: customerservice.sz@cn.bureauveritas.com



2.1.3 TEST PROCEDURES

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

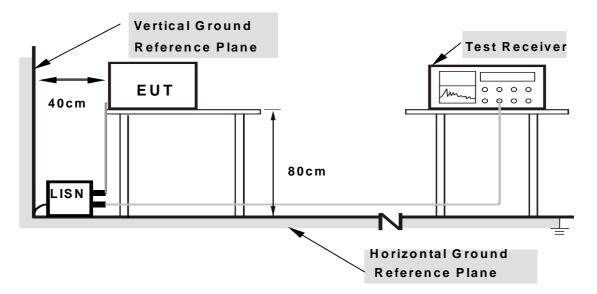
NOTE: All modes of operation were investigated and the worst-case emissions are reported.

2.1.4 DEVIATION FROM TEST STANDARD

No deviation.



2.1.5 **TEST SETUP**



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

For the actual test configuration, please refer to the attached file (Test Setup Photo).

EUT OPERATING CONDITIONS 2.1.6

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the use type described in the manufacturer's specifications or the user's manual.

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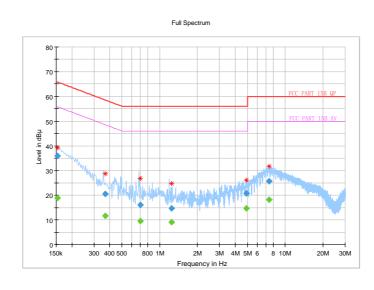
TEST RESULTS 2.1.7

TEST VOLTAGE	Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	22deg. C, 43RH	TESTED BY	John Wen

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000		18.97	55.78	-36.81	L	ON	9.6
0.154000	35.96		65.78	-29.82	L	ON	9.6
0.368000		11.59	48.55	-36.96	L	ON	9.7
0.368000	20.56		58.55	-37.99	L	ON	9.7
0.700000		9.64	46.00	-36.36	L	ON	9.6
0.700000	16.19		56.00	-39.81	L	ON	9.6
1.244000		8.98	46.00	-37.02	L	ON	9.7
1.244000	14.67		56.00	-41.33	L	ON	9.7
4.912000		14.76	46.00	-31.24	L	ON	9.7
4.912000	20.75		56.00	-35.25	L	ON	9.7
7.440000		18.09	50.00	-31.91	L	ON	9.8
7.440000	25.61		60.00	-34.39	L	ON	9.8

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



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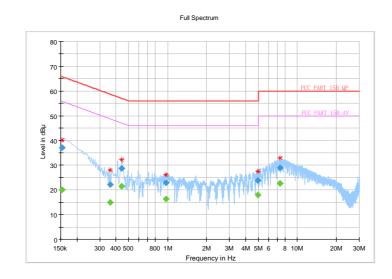


TEST VOLTAGE	Innut 120 Vac 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	22deg. C, 43RH	TESTED BY	John Wen

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000		20.00	55.78	-35.78	N	ON	9.9
0.154000	37.11		65.78	-28.67	N	ON	9.9
0.360000		14.93	48.73	-33.80	N	ON	10.0
0.360000	22.10		58.73	-36.63	N	ON	10.0
0.444000		21.55	46.99	-25.44	N	ON	10.1
0.444000	28.66		56.99	-28.33	N	ON	10.1
0.976000		16.40	46.00	-29.60	N	ON	9.9
0.976000	22.93		56.00	-33.07	N	ON	9.9
4.934000		17.89	46.00	-28.11	N	ON	9.8
4.934000	23.77		56.00	-32.23	N	ON	9.8
7.364000		22.51	50.00	-27.49	N	ON	9.8
7.364000	28.91		60.00	-31.09	N	ON	9.8

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



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2.2 RADIATED EMISSION MEASUREMENT

2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

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

Radiated Emissions Limits at 10 meters (dBµV/m)						
Frequencies (MHz)	FCC 15B/ ICES-003, Class A	FCC 15B / ICES-003, Class B	CISPR 22, Class A	CISPR 22, Class B		
30-88	39	29.5				
88-216	43.5	33.1	40	30		
216-230	46.4	35.6				
230-960	40.4	35.6	47	37		
960-1000	49.5	43.5	47	37		
1000-3000	Avg: 49.5	Avg: 43.5	Not defined	Not defined		
3000+	Peak: 69.5	Peak: 63.5	Not defined	Not defined		

Radiated Emissions Limits at 3 meters (dBµV/m)					
Frequencies (MHz)	FCC 15B / ICES-003, Class A	FCC 15B / ICES-003, Class B	CISPR 22, Class A	CISPR 22, Class B	
30-88	49.5	40			
88-216	54	43.5	50.5	40.5	
216-230	56.9	46			
230-960	90.9	40	57.5	47.5	
960-1000	60	54	57.5	47.5	
1000-3000			Avg: 56	Avg: 50	
	Avg: 60	Avg: 54	Peak: 76	Peak: 70	
3000+	Peak: 80	Peak: 74	Avg: 60	Avg: 54	
			Peak: 80	Peak: 74	



Frequency Range (For unintentional radiators)

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

NOTE: 1. The lower limit shall apply at the transition frequencies.

- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
- 4. QP detector shall be applied if not specified.

2.2.2 TEST INSTRUMENTS

Frequency range below1GHz

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Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.	
3m Semi-anechoic	ETS-LINDGREN	0~*6~*6~	Euroshieldpn-	Apr 01 10	Apr. 20.10	
Chamber	E I S-LINDGREN	9111 6111 6111	CT0001143-1216	Apr. 21,18	Apr. 20,19	
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Nov. 26,16	Nov. 25,18	
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 16,18	Mar. 15,19	
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jul. 09,18	Jul. 08,19	

Frequency range above 1GHz

Troquency range above Toriz						
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.	
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn- CT0001143-1216	Apr. 21,18	Apr. 20,19	
Horn Antenna	ETS-LINDGREN	3117			Nov. 09,18	
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 16,18	Mar. 15,19	
Signal Pre-Amplifier	IEMSI	EMC 012645B	980257	Jul. 09,18	Jul. 08,19	

NOTE: 1. The test was performed in 3m chamber.

- 2. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
- 3. The FCC Site Registration No. is 525120.



2.2.3 TEST PROCEDURE

<Frequency Range below 1GHz>

The basic test procedure was in accordance with ANSI C63.4:2014 (section 12).

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

NOTE:

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



<Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz

NOTE:

- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth of test receiver/spectrum analyzer is 10Hz for Average detection (AV) at frequency above 1GHz.
- 3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
- 4. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 5. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier);
- 6. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier)
- 7. Margin value = Emission level Limit value.

2.2.4 **DEVIATION FROM TEST STANDARD**

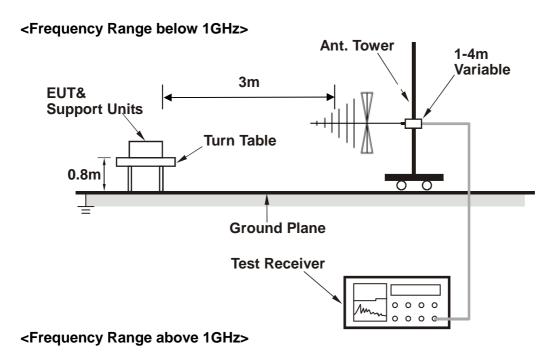
No deviation.

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2.2.5 TEST SETUP



1-4m* Ant. Tower **Variable EUT&** 3m **Bore Sight Support Units** Turn **Table Absorber** 0.8m **Ground Plane Test Receiver Pre-amplifier** 0000 0 0 0

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

2.2.6 EUT OPERATING CONDITIONS

Same as 2.1.6

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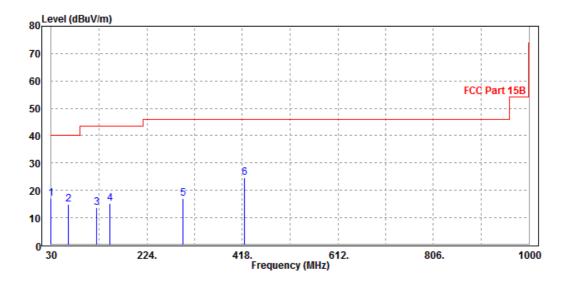


TEST RESULTS 2.2.7

TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Vincent		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK	
30	17.16	37.39	40	-22.84	17	0.47	37.7	100	150	QP	
64.92	14.91	44.22	40	-25.09	7.19	0.83	37.33	100	80	QP	
121.18	13.66	41.14	43.5	-29.84	8.42	1.17	37.07	100	50	QP	
149.31	15.15	41.04	43.5	-28.35	9.64	1.3	36.83	100	140	QP	
296.75	16.97	38.26	46	-29.03	13.73	1.72	36.74	100	270	QP	
422.85	24.51	42.02	46	-21.49	17.31	2.05	36.87	100	130	QP	

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



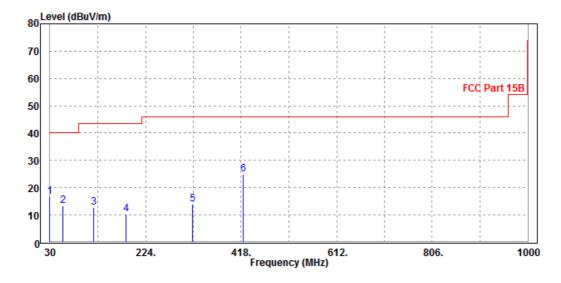
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TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Vincent		

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK	
30	16.73	36.82	40	-23.27	17	0.47	37.56	100	300	QP	
56.19	13.49	43.26	40	-26.51	6.8	0.77	37.34	100	190	QP	
119.24	12.67	40.01	43.5	-30.83	8.43	1.17	36.94	100	70	QP	
184.23	10.3	35.37	43.5	-33.2	10.21	1.38	36.66	100	140	QP	
319.06	13.98	34.32	46	-32.02	14.43	1.77	36.54	100	100	QP	
422.85	24.91	42.32	46	-21.09	17.31	2.05	36.77	100	252	QP	

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



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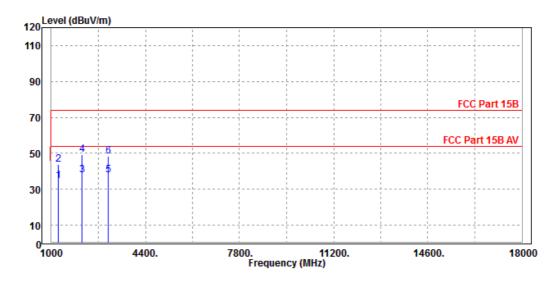


TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz	
TESTED BY	Vincent			

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK	
1250	34.64	48.31	54	-19.36	28.95	5.74	48.36	100	48	Average	
1250	43.94	57.61	74	-30.06	28.95	5.74	48.36	100	48	Peak	
2115	37.68	46.35	54	-16.32	32.01	7.66	48.34	100	110	Average	
2115	49.17	57.84	74	-24.83	32.01	7.66	48.34	100	110	Peak	
3050	37.99	44.14	54	-16.01	32.91	9.28	48.34	100	215	Average	
3050	48.17	54.32	74	-25.83	32.91	9.28	48.34	100	215	Peak	

REMARKS:

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



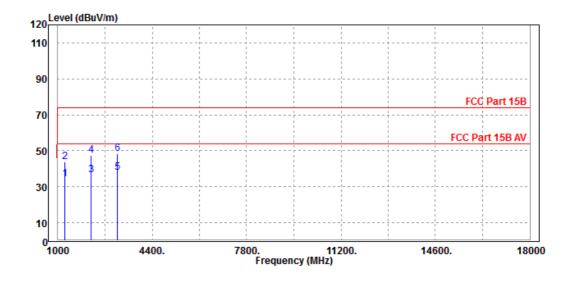
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TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz		
TESTED BY	Vincent				

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB/m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK	
1260	34.22	47.88	54	-19.78	28.94	5.76	48.36	100	120	Average	
1260	43.76	57.42	74	-30.24	28.94	5.76	48.36	100	120	Peak	
2200	36.69	45.11	54	-17.31	32.1	7.81	48.33	100	80	Average	
2200	47.62	56.04	74	-26.38	32.1	7.81	48.33	100	80	Peak	
3150	38.03	44.02	54	-15.97	32.93	9.43	48.35	100	215	Average	
3150	48.26	54.25	74	-25.74	32.93	9.43	48.35	100	215	Peak	

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



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

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

---END---

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