





EMC TEST REPORT

Applicant:	Icon Health & Fitness, Inc.			
Address:	1500 South 1000 West 435-786-5915 Logan, UT 84321, United States			
Manufacturer or Supplier:	Icon Health & Fitness, Inc.			
Address:	1500 South 1000 West 435-786-5	915 Logan, UT 84321, United States		
Product:	402551 module			
Brand Name:	N/A	N/A		
Model Name:	MP32-ARGON	MP32-ARGON		
FCC ID:	OMC402551			
Date of tests:	Nov. 21, 2018 ~ Dec. 23, 2018			
The submitted sa following standard		been tested for according to the requirements of the		
	Subpart B, Class B 014			
CONCLUSION: T	he 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				

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Date: Dec. 24, 2018

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Date: Dec. 24, 2018



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FV181120W004	Original release	Dec. 24, 2018

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1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	402551 module		
BRAND NAME	N/A		
MODEL NAME	MP32-ARGON		
NOMINAL VOLTAGE	12Vdc (adapter or h	nost equipment)	
	WLAN	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM	
MODULATION TYPE	BT_LE	BT-LE(GFSK) for DTS	
	Bluetooth	GFSK, π/4-DQPSK, 8DPSK	
OPERATING FREQUENCY	WLAN 2412 ~ 2462MHz for 11b/g/n(HT20) 5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5805MHz for 11a/n(HT20)/n(HT40)/ac(HT80)		
	Bluetooth/BT_LE	2402MHz ~ 2480MHz	
HW VERSION	A299C		
SW VERSION	Model AOSP on avn_ref		
I/O PORTS	Refer to user's manual		
CABLE SUPPLIED	N/A		
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. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.



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			Remark			
	Conducted Test	PASS	Meets limits minimum passing margin is -11.71dB at 0.568000MHz.			
FCC Part 15, Subpart B, Class B ANSI C63.4:2014	Class B Radiated Emission		Meets Class B Limit Minimum passing margin is -3.3dB at 666.32MHz			
	Radiated Emission Test (Above 1GHz)	PASS	Meets Class B Limit Minimum passing margin is -12.28dB at 4122MHz			

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
Dodiete de accionione	30MHz ~ 1GHz	+/-3.26dB
Radiated emissions	1GHz ~ 18GHz	+/-4.48dB



1.4 DESCRIPTION OF TEST MODES

Test Mode	Test Condition		
	Radiated emission test		
1	Adapter+ BT Idle+ WIFI Idle(2.4G)+ MPG4		
2	Adapter+ BT Idle+ WIFI Idle(5G)+ Camera On		
3	Adapter+ BT Idle+ WIFI Idle(2.4G)+ OTG+ MPG4		
	Conducted emission test		
1	Adapter+ BT Idle+ WIFI Idle(2.4G)+ MPG4		
2	Adapter+ BT Idle+ WIFI Idle(5G)+ Camera On		
3	Adapter+ BT Idle+ WIFI Idle(2.4G)+ OTG+ MPG4		

NOTE:

- 1. For conducted emission test, test mode 2 was the worst case and only this mode was presented in this report.
- 2. For radiated emission test, test mode 2 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	Adapter	malata	MPA-12030	N/A	N/A
2	OTG	N/A	N/A	N/A	N/A

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



2 EMISSION TEST

2.1 CONDUCTED EMISSION MEASUREMENT

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 0.5 ~ 5 5 ~ 30	66 to 56 56 60	56 to 46 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

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	Mar. 15,18	Mar. 14,19

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.



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.

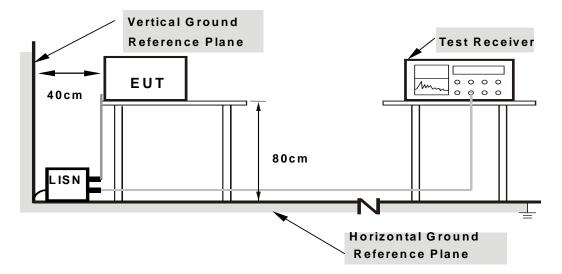
NOTE: All modes of operation were investigated and the worst-case emissions are reported.

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).

2.1.6 EUT OPERATING CONDITIONS

- 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.



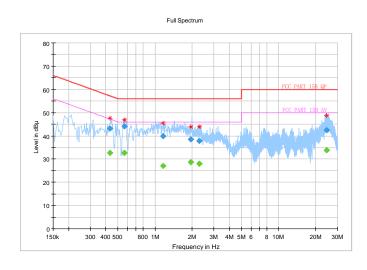
2.1.7 TEST RESULTS

TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	22.6deg. C, 55RH	TESTED BY	John Wen

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.432000		32.69	47.21	-14.52	L1	ON	9.7
0.432000	43.08		57.21	-14.13	L1	ON	9.7
0.568000		32.64	46.00	-13.36	L1	ON	9.7
0.568000	43.97		56.00	-12.03	L1	ON	9.7
1.164000		27.07	46.00	-18.93	L1	ON	9.7
1.164000	39.81		56.00	-16.19	L1	ON	9.7
1.952000		28.75	46.00	-17.25	L1	ON	9.7
1.952000	38.38		56.00	-17.62	L1	ON	9.7
2.292000		28.10	46.00	-17.90	L1	ON	9.7
2.292000	37.67		56.00	-18.33	L1	ON	9.7
24.500000		33.85	50.00	-16.15	L1	ON	10.0
24.500000	42.34		60.00	-17.66	L1	ON	10.0

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.



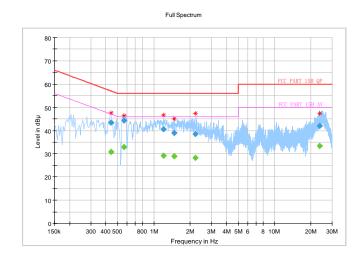


TEST VOLTAGE		Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	22.6deg. C, 55RH	TESTED BY	John Wen

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.444000		30.85	46.99	-16.14	N	ON	10.1
0.444000	43.30		56.99	-13.69	N	ON	10.1
0.568000		32.99	46.00	-13.01	N	ON	10.1
0.568000	44.29		56.00	-11.71	N	ON	10.1
1.204000		29.25	46.00	-16.75	N	ON	9.9
1.204000	40.60		56.00	-15.40	N	ON	9.9
1.468000		28.99	46.00	-17.01	N	ON	9.9
1.468000	38.99		56.00	-17.01	N	ON	9.9
2.196000		28.32	46.00	-17.68	N	ON	9.8
2.196000	38.45		56.00	-17.55	N	ON	9.8
23.760000		33.35	50.00	-16.65	N	ON	10.1
23.760000	41.89		60.00	-18.11	N	ON	10.1

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.



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/ FCC 15B / ICES-003, Class A 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	25.6									
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	-003, ICES-003, CIS		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	56.9	40	57.5	47.5						
960-1000	60	54	57.5	47.5						
1000-3000			Avg: 56	Avg: 50						
	Avg: 60	Avg: 60 Avg: 54		Peak: 70						
3000+			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

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic	ETS-LINDGREN	0m*6m*6m	Euroshieldpn-	Apr 21 10	Apr. 20,19
Chamber	E13-LINDGKEN	9111 0111 0111	Eurosnieldpn- CT0001143-1216	Apr. 21,10	Apr. 20, 19
Bilog Antenna	ETS-LINDGREN				Mar. 14,19
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

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN		Euroshieldpn- CT0001143-1216	Apr. 21,18	Apr. 20,19
Horn Antenna	ETS-LINDGREN	3117	00168728	Mar. 15,18	Mar. 14,19
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; The Designation No. is CN1171.



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

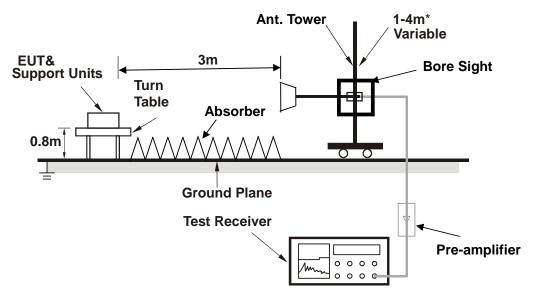
No deviation.



2.2.5. TEST SETUP

Frequency Range below 1GHz> Ant. Tower 1-4m Variable Ground Plane Test Receiver

<Frequency Range above 1GHz>



*: 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 item 2.1.6.

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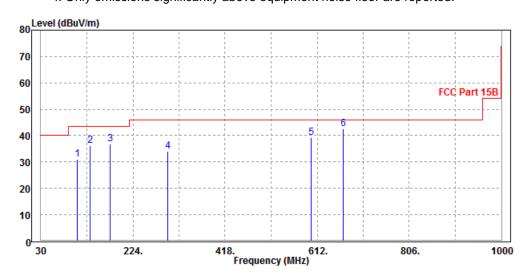


2.2.7. TEST RESULTS

TEST VOLTAGE	DC 12V From Adapter 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	Rose Ma		

	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	
106.63	30.98	57.82	43.5	-12.52	8.93	1.36	37.13	178	168	QP	
133.79	36.26	63.04	43.5	-7.24	8.68	1.51	36.97	178	288	QP	
175.5	36.87	61.63	43.5	-6.63	10.21	1.69	36.66	160	256	QP	
297.72	34.02	54.82	46	-11.98	13.75	2.2	36.75	100	118	QP	
599.39	39.27	53.49	46	-6.73	19.99	3.16	37.37	140	235	QP	
666.32	42.7	54.98	46	-3.3	21.79	3.41	37.48	200	360	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.

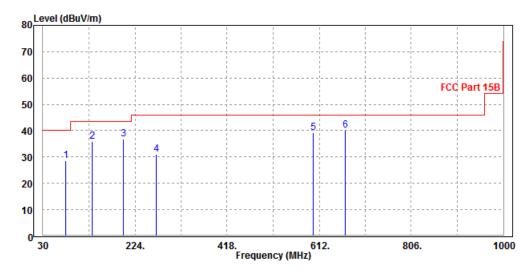




TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Rose Ma		

	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	
77.53	28.51	56.75	40	-11.49	7.9	1.2	37.34	145	266	QP	
133.79	35.8	62.58	43.5	-7.7	8.68	1.51	36.97	200	360	QP	
199.75	36.84	61.01	43.5	-6.66	10.59	1.79	36.55	100	236	QP	
268.62	31.11	52.59	46	-14.89	13.11	2.1	36.69	118	275	QP	
599.39	39.24	53.46	46	-6.76	19.99	3.16	37.37	144	46	QP	
666.32	40.24	52.52	46	-5.76	21.79	3.41	37.48	200	360	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.



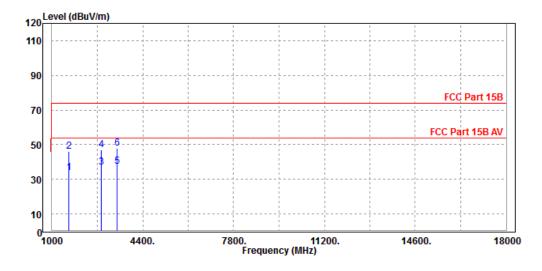


TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz
TESTED BY	Rose Ma		

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
1650	33.74	43.54	54	-20.26	29.66	6.66	46.12	100	310	Average
1650	45.94	55.74	74	-28.06	29.66	6.66	46.12	100	310	Peak
2846	37.07	41.21	54	-16.93	32.75	8.95	45.84	100	200	Average
2846	47.09	51.23	74	-26.91	32.75	8.95	45.84	100	200	Peak
3450	37.38	40.34	54	-16.62	32.99	9.88	45.83	100	70	Average
3450	48.11	51.07	74	-25.89	32.99	9.88	45.83	100	70	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.



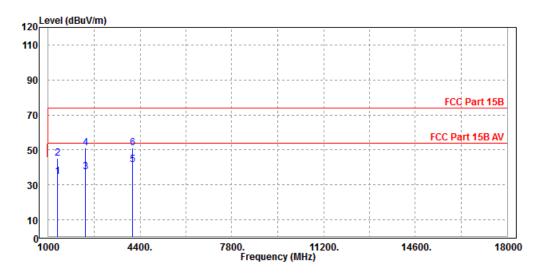


TEST VOLTAGE	DC 12V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz
TESTED BY	Rose Ma		

	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
1345	34.73	46.1	54	-19.27	28.86	5.96	46.19	112	170	Average
1345	45.13	56.5	74	-28.87	28.86	5.96	46.19	112	170	Peak
2380	37.64	43.15	54	-16.36	32.28	8.13	45.92	100	180	Average
2380	51.21	56.72	74	-22.79	32.28	8.13	45.92	100	180	Peak
4122	41.72	42.78	54	-12.28	33.92	10.96	45.94	100	78	Average
4122	51.11	52.17	74	-22.89	33.92	10.96	45.94	100	78	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.

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