



EMC TEST REPORT

Applicant:	RealWear, Inc.			
Address:	600 Hatheway Road, Vancouver, WA 98661			
Manufacturer or Supplier:	RealWear, Inc.			
Address:	600 Hatheway Road, Vancouver, V	VA 98661		
Product:	Head Mounted Tablet			
Brand Name:	realwear			
Model Name:	T1200G			
FCC ID:	2AJOR1200G00AA			
Date of tests:	Jul. 30, 2019 ~ Aug. 28, 2019			
The submitted sample of the above equipment has been tested for according to the requirements of the following standards:				
Killing FCC Part 15, S	☐ FCC Part 15, Subpart B, Class A ☐ FCC Part 15, Subpart B, Class B ☐ ANSI C63.4:2014			
CONCLUSION: Th	e submitted sample was found to	COMPLY with the test requirement		
-	Prepared by Alex Chen Approved by Luke Lu Engineer / Mobile Department Manager / Mobile Department			
Alex luke lu				
	Date: Aug. 28, 2019 Date: Aug. 28, 2019			
This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at				



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FV190730W001	Original release	Aug. 28, 2019

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1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Head Mounted Tablet		
BRAND NAME	realwear		
MODEL NAME	T1200G		
NOMINAL VOLTAGE	5.0V (adapter or hos 3.7Vdc (Li-ion, batter		
	WLAN	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM	
MODULATION	BT_LE	GFSK	
	Bluetooth	GFSK, π/4-DQPSK, 8DPSK	
	GNSS	BPSK	
OPERATING	WLAN	2412 ~ 2462MHz for 11b/g/n(HT20) 5180 ~ 5240MHz, 5260 ~ 5320 MHz, 5500 ~ 5700MHz, 5745 ~ 5825 MHz for 11a/ n(HT20)/ n(HT40) / ac(VHT80)	
FREQUENCY	Bluetooth/BT_LE	2402MHz ~ 2480MHz	
	GNSS	1559MHz ~ 1610MHz	
HW VERSION	A		
SW VERSION	10.3.0-07-T.HMT-1.G		
I/O PORTS	Refer to user's manual		
THE HIGHEST OPERATING FREQUENCY	5825MHz		
CABLE SUPPLIED	USB cable: non-shielded, detachable, 2 meter		
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.



List of Accessory:

ACCESSORIES	BRAND	MODEL	SPECIFICATION
Battery 1	realwear	B1200G	Power Rating: 3.7Vdc, 3250 mAh ,Li-ion,
LCD Panel 1	KOPIN	KCD-KWMD-BD	Spec. 0.32"
Photo Camera 1	Ningbo jinshengxin	SAA6-KIRK-A1	Spec. 16M
Video Camera 1	Ningbo jinshengxin	SAA6-KIRK-A1	Spec. 16M
CPU 1	Qualcomm	MSM8953	PIN Number: 792 pin
eMMC 1	HYNIX	H9TQ52ACLTMCUR-KUM	Capacity: 64G
eMMC 2	SAMSUNG	KMRH60014A-B614	Capacity: 64G
RAM 1	HYNIX	H9TQ52ACLTMCUR-KUM	Capacity: 4G
RAM 2	SAMSUNG	KMRH60014A-B614	Capacity: 4G
Main Broad 1	Founder Group	6FB531_MB_V1.00	-
BT/WLAN Module	Qualcomm	WCN-3680B-0-79BWLNSP-HR-05-1	-
USB Cable 1	KELI	KLC-2551	2m non-shielded cable w/o core



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	Standard Section Test Item Resu		
FCC Part 15,	Conducted Test	Compliance	
Subpart B, Class B	Radiated Emission Test (30MHz ~ 1GHz)	Compliance	
ANSI C63.4:2014	Radiated Emission Test (Above 1GHz)	Compliance	

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	±2.70dB
	30MHz~1GMHz	±4.98dB
Dedicted emissions	1GMHz ~6GMHz	±4.70dB
Radiated emissions	6GMHz ~18GMHz	±4.60dB
	18GMHz ~40GMHz	±4.12dB



1.4 DESCRIPTION OF TEST MODES

Test Mode	Test Condition			
	Radiated emission test			
1	Adapter + Type-C Cable + WIFI 2.4G Idle + BT Idle + Earphone + GNSS RX + Camera on			
2	Adapter + Type-C Cable + WIFI 5G Idle + BT Idle + Earphone + GNSS RX + Camera on			
3	Notebook + Type-C Cable + WIFI Link(2.4G) + BT Link + Earphone + GNSS RX + PC to EUT			
4	Notebook + Type-C Cable + WIFI Link(2.4G) + BT Link + Earphone + GNSS RX + PC to SD			
	Conducted emission test			
1	Adapter + Type-C Cable + WIFI 2.4G Idle + BT Idle + Earphone + GNSS RX + Camera on			
2	Adapter + Type-C Cable + WIFI 5G Idle + BT Idle + Earphone + GNSS RX + Camera on			
3	Notebook + Type-C Cable + WIFI Link(2.4G) + BT Link + Earphone + GNSS RX + PC to EUT			
4	Notebook + Type-C Cable + WIFI Link(2.4G) + BT Link + Earphone + GNSS RX + PC to SD			

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

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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 ALL TESTS

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Wireless AP	ABOCOM	WR224GR	060500749P	N/A
2	Bluetooth Earphone	FAP00	H6080	12098	N/A
3	Notebook	Lenovo	Thnikpad L440	R90FTFKP	N/A
4	SD	San Disk	UItra	N/A	N/A
5	Earphone	GIONEE	GN-EP02C	N/A	N/A
6	Printer	HP	hp LaserJet 1300	CNSJF75989	N/A
7	GPS Simulator	Spetctracom/ USA	GSG-5	200782	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	N/A
3	DC Line: Unshielded, Undetachable, 2.0m
4	N/A
5	N/A
6	USB Line: Shielded, Detachable 1.5m;
7	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 a CLASS B)

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

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

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)	
	Quasi-peak	Average
0.15 ~ 0.5	79	66
0.5 ~ 30	73	60

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	Feb. 26,19	Feb. 25, 20
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 26,19	Feb. 25, 20

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.

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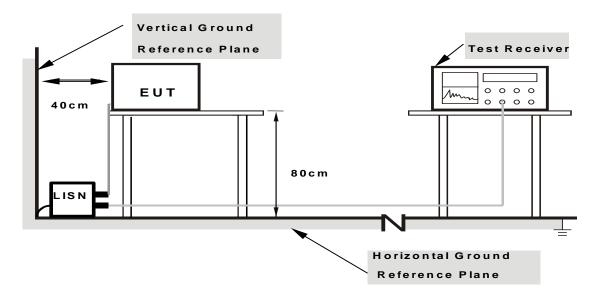
Report Version 1

Technology (Shenzhen) Co. Ltd

BV 7Layers Communications



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.



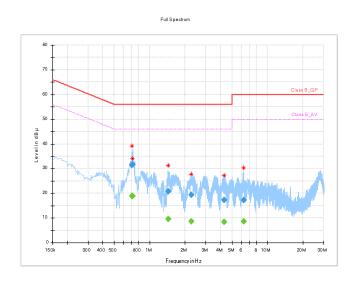
2.1.7 TEST RESULTS

TEST VOLTAGE	DC 5V From Adapter Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 52RH	TESTED BY	Jacky Liu

Frequency (MHz)	QuasiPeak (dB¦ÌV)	CAverage (dB¦ÌV)	Limit (dB¦ÌV)	Margin (dB)	Line	Filter	Corr. (dB)
0.712000		18.80	46.00	-27.20	L	ON	10.0
0.712000	31.41		56.00	-24.59	L	ON	10.0
0.720000		18.98	46.00	-27.02	L	ON	10.0
0.720000	31.72		56.00	-24.28	L	ON	10.0
1.444000		9.48	46.00	-36.52	L	ON	10.1
1.444000	20.83		56.00	-35.17	L	ON	10.1
2.248000		8.67	46.00	-37.33	L	ON	10.1
2.248000	19.30		56.00	-36.70	L	ON	10.1
4.272000		8.43	46.00	-37.57	L	ON	10.2
4.272000	17.25		56.00	-38.75	L	ON	10.2
6.248000		8.65	50.00	-41.35	L	ON	10.3
6.248000	17.18		60.00	-42.82	L	ON	10.3

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.



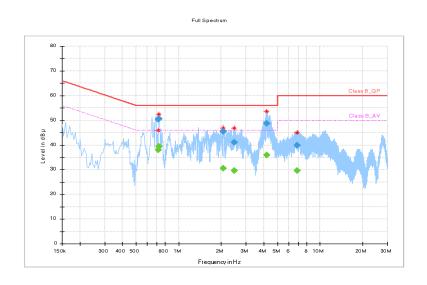


I EST VOLTAGE			Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 52RH	TESTED BY	Jacky Liu

Frequency (MHz)	QuasiPeak (dB¦ÌV)	CAverage (dB¦ÌV)	Limit (dB¦ÌV)	Margin (dB)	Line	Filter	Corr. (dB)
0.720000	50.30		56.00	-5.70	N	ON	9.9
0.720000		38.07	46.00	-7.93	N	ON	9.9
0.724000	50.72		56.00	-5.28	N	ON	9.9
0.724000		39.43	46.00	-6.57	N	ON	9.9
2.060000	45.37		56.00	-10.63	N	ON	10.0
2.060000		39.43	46.00	-6.57	N	ON	9.9
2.464000	41.09		56.00	-14.91	N	ON	10.0
2.464000		29.54	46.00	-16.46	N	ON	10.0
4.192000	48.84		56.00	-7.16	N	ON	10.1
4.192000		35.83	46.00	-10.17	N	ON	10.1
6.888000	39.94		60.00	-20.06	N	ON	10.2
6.888000		29.63	50.00	-20.37	N	ON	10.2

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 3 meters (dBµV/m)						
Frequencies (MHz)	FCC 15B / ICES-003, Class A	FCC 15B / ICES-003, Class B				
30-88	49	40				
88-216	53.5	43.5				
216-960	56	46				
960-1000	59.5	54				
Above 1000	Avg: 59.5 Peak: 79.5	Avg: 54 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.

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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-	Feb. 26,19	Feb. 25,20
Chamber	E13-LINDGREN	9111 6111 6111	CT0001143-1216	reb. 26,19	reb. 25,20
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 26,19	Feb. 25,20
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 26,19	Feb. 25,20
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 24,19	Jun. 23,20

Frequency range above 1GHz

Familians		Madal Na	Carial Nia	Last Oal	Naut Cal	
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.	
3m Semi-anechoic	ETS-LINDGREN		Euroshieldpn-	Feb. 26,19	Feb. 25,20	
Chamber	E I 3-LINDGKEN	9111 0111 0111	CT0001143-1216	Feb. 20, 19	reb. 25,20	
Horn Antenna	ETS-LINDGREN	3117	00168728	Feb. 26,19	Feb. 25,20	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170242	May 01,19	May 02,20	
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 26,19	Feb. 25, 20	
Signal Pre-Amplifier	EMSI	EMC	980257	Jun. 24,19	lun 22 20	
(1~18GHz)	EIVIOI	012645B	900237	Juli. 24, 19	Jun. 23,20	
Signal Pre-Amplifier	EMSI	EMC	000102	Dec. 27,18	Dec. 26,19	
(18GHz-40GHz)	EIVIOI	184045	4045 980102		Dec. 26, 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)
- 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 1Hz 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

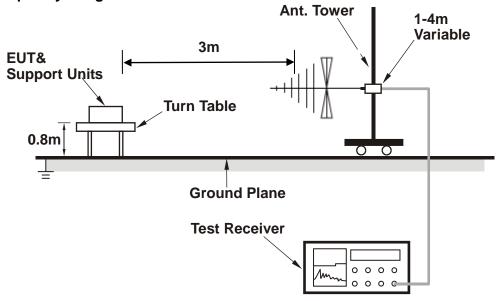
No deviation.

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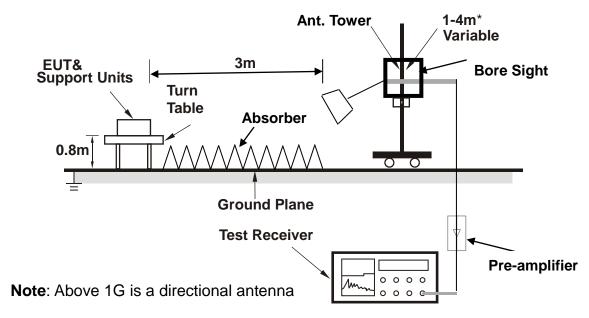


2.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



depends on the EUT height and the antenna 3dB bandwidth 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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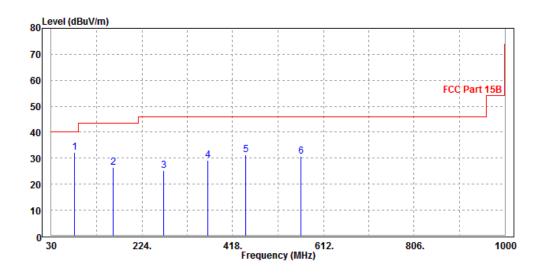


2.2.7 TEST RESULTS

	DC 5V 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	Tony		

	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
80.44	32.31	60.33	40	-7.69	8.12	1.2	37.34	100	197	QP
161.92	26.52	51.1	43.5	-16.98	10.48	1.66	36.72	100	172	QP
270.56	25.27	46.4	46	-20.73	13.45	2.11	36.69	100	235	QP
365.62	29.34	47.53	46	-16.66	16.13	2.48	36.8	100	288	QP
445.16	31.45	47.78	46	-14.55	17.79	2.79	36.91	100	85	QP
564.47	30.69	45.3	46	-15.31	19.53	3.1	37.24	100	216	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.

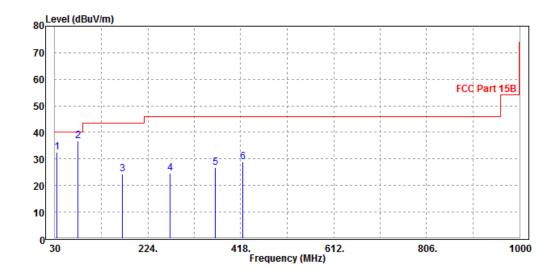




TEST VOLTAGE	DC 5V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Tony		

	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	
33.88	32.49	54.4	40	-7.51	14.78	0.84	37.53	200	187	QP	
77.53	36.82	64.83	40	-3.18	8.13	1.2	37.34	200	122	QP	
171.62	24.34	48.94	43.5	-19.16	10.4	1.68	36.68	200	156	QP	
270.56	24.76	45.73	46	-21.24	13.61	2.11	36.69	200	89	QP	
364.65	26.84	44.96	46	-19.16	16.2	2.48	36.8	200	254	QP	
422.85	28.81	45.36	46	-17.19	17.62	2.7	36.87	200	288	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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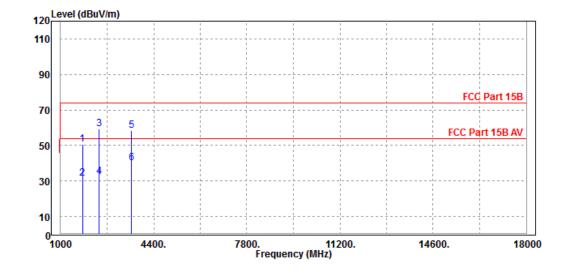


TEST VOLTAGE	DC 5V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz	
TESTED BY	Tony			

	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	
1799	50.58	68.08	74	-23.42	30.83	-1.87	46.46	100	360	Peak	
1799	31.7	49.2	54	-22.3	30.83	-1.87	46.46	100	360	Average	
2411	59.29	67.62	74	-14.71	33.14	4.9	46.37	100	360	Peak	
2411	32.6	40.93	54	-21.4	33.14	4.9	46.37	100	360	Average	
3584	58.39	63.5	74	-15.61	35.32	5.95	46.38	100	360	Peak	
3584	40.1	45.21	54	-13.9	35.32	5.95	46.38	100	360	Average	

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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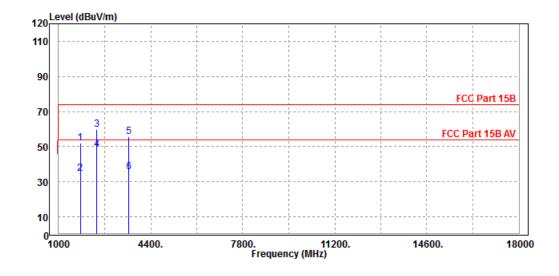


TEST VOLTAGE	DC 5V From Adapter Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	Peak/Average, 1 MHz		
TESTED BY	Tony			

	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	
1799	52.05	69.9	74	-21.95	30.48	-1.87	46.46	200	360	Peak	
1799	34.85	52.7	54	-19.15	30.48	-1.87	46.46	200	360	Average	
2411	59.61	68.81	74	-14.39	32.27	4.9	46.37	200	360	Peak	
2411	48.2	57.4	54	-5.8	32.27	4.9	46.37	200	360	Average	
3584	55.63	62.17	74	-18.37	33.89	5.95	46.38	200	360	Peak	
3584	35.59	42.13	54	-18.41	33.89	5.95	46.38	200	360	Average	

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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