







EMC TEST REPORT

Applicant:	Power Idea Technology (Shenzher	n) Co., Ltd.		
Address:	4th Floor, A Section ,Languang Science&technology Building, No. 7 Xinxi RD,Hi-Tech Industrial Park North, Nanshan District Shenzhen, China.			
Manufacturer or Supplier:	Power Idea Technology (Shenzhei	n) Co., Ltd.		
Address:	4th Floor, A Section ,Languang Sc Industrial Park North, Nanshan Dis	ience&technology Building, No. 7 Xinxi RD,Hi-Tech strict Shenzhen, China.		
Product:	Smart Phone			
Brand Name:	RugGear			
Model Name:	PSM02G			
Marketing Name:	RG750			
FCC ID:	ZLE-RG750			
Date of tests:	Nov. 02, 2022 ~ Nov. 23, 2022			
	The submitted sample of the above equipment has been tested for according to the requirements of the following standards:			
	Subpart B, Class A Subpart B, Class B 114			
CONCLUSION: Th	ne submitted sample was found to	COMPLY with the test requirement		
	Prepared by Simon Wang Approved by Luke Lu Engineer / Mobile Department Manager / Mobile Department			
Simon Wang		luke lu		

Date: Nov. 23, 2022

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/eps/about-us/ferms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Date: Nov. 23, 2022

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Date: Nov. 23, 2022

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3 API	PENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO	THE EUT



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P22110001EM01	Original release	Nov. 23, 2022

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1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Smart Phone		
BRAND NAME	RugGear		
MODEL NAME	PSM02G		
MARKETING NAME	RG750		
NOMINAL VOLTAGE	5.0Vdc(adapter or hos 3.8Vdc (Li-ion, battery	• • • •	
	BT_LE	GFSK	
	Bluetooth	GFSK, π/4-DQPSK, 8DPSK	
	NFC	ASK	
MODULATION TYPE	WLAN	DSSS, OFDM	
IMODOLATION TITLE	GPS/GALILEO/GLO NASS/BDS	BPSK	
	GSM/GPRS/EDGE	GMSK, 8PSK	
	WCDMA	QPSK	
	LTE	QPSK/16QAM/64QAM	
	Bluetooth/BT_LE	2402MHz ~ 2480MHz	
	NFC	13.56 MHz	
	WLAN	2412 ~ 2462MHz for 11b/g/n(HT20/40) 5180 ~ 5240MHz, 5260 ~ 5320 MHz, 5500 ~ 5720MHz, 5745 ~ 5825 MHz for 11a/ n(HT20)/ n(HT40) / ac(VHT20)/ ac(VHT40) / ac(VHT80)	
OPERATING FREQUENCY	GPS/GALILEO/GLO NASS/BDS	1559MHz ~ 1610MHz	
OPERATING FREQUENCY	GSM	824.2MHz ~ 848.8MHz (FOR GSM 850) 1850.2MHz ~ 1909.8MHz (FOR GSM 1900)	
I NEGOLITO I	WCDMA	1852.4MHz ~ 1907.6MHz(FOR WCDMA Band 2) 1712.4MHz ~ 1752.6MHz(FOR WCDMA Band 4) 826.4MHz ~ 846.6MHz (FOR WCDMA Band 5)	
	LTE	1850.7MHz ~ 1909.3MHz (FOR LTE Band2) 1710.7MHz ~ 1754.3MHz (FOR LTE Band4) 824.7MHz ~ 848.3MHz (FOR LTE Band5) 2502.5MHz ~ 2567.5MHz (FOR LTE Band7) 699.7MHz ~ 715.3MHz (FOR LTE Band12)	

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		779.5MHz ~ 784.5MHz (FOR LTE Band13) 706.5MHz ~ 713.5MHz (FOR LTE Band17) 814.7MHz ~ 823.3MHz (FOR LTE Band26) 2572.5MHz ~ 2617.5MHz (FOR LTE Band38) 2498.5MHz ~2687.5MHz (FOR LTE Band41) 1710.7MHz ~ 1779.3MHz (FOR LTE Band66)	
HW VERSION	LA5C25_MB_V1.00		
SW VERSION	LA5C25(RG750)_RG750_EEA_00.00_0_20221103_MultiDownload_2022 1103131135		
I/O PORTS	Refer to user's manual		
CABLE SUPPLIED	USB cable: non-shielded cable, with w/o ferrite core, 1.0 meter Earphone: non-shielded cable, with w/o ferrite core, 1.0 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	MANUFACTURER	MODEL	SPECIFICATION
Battery	N/A	SHENZHEN YJC TECHNOLOGY CO. LTD.	BL500IP	Capacity: 3.8Vdc, 5000mAh
I AL: Adanter 1 Hilntrey/		Shenzhen Huntkey Electric Co., Ltd.	HKC0115021-2D	I/P: 100-240Vac, 0.5A, O/P: 5.0Vdc, 2A
AC Adapter 2	FULL Shenzhen Shi Ying Yuan Electronics Co., Ltd.		ICP12-050-2000B	I/P: 100-240Vac, 0.3A, O/P: 5.0Vdc, 2A
Earphone N/A CXD SCIENCE TECHNOLOGY		AC-4035-M6	Rated: 10mW, Max:20mW Signal Line,1.0meter	
USB Cable	N/A	ShenZhen zhigaoda electronics Co., LTD	USB2.0	Signal Line,1.0meter

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Technology (Shenzhen) Co., Ltd

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	
FCC Part 15, Subpart B, Class B ANSI C63.4:2014	Conducted Test	Compliance	
	Radiated Emission Test (30MHz ~ 1GHz)	Compliance	
	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	
Radiated emissions	1GMHz ~6GMHz	±4.70dB	
	6GMHz ~18GMHz	±4.60dB	



1.4 DESCRIPTION OF TEST MODES

Test Mode	Test Condition		
	Radiated emission test		
1	Adapter 1(HKC0115021-2D) + USB cable + Front Camera On + Earphone + GSM850 Idle + NFC + SD		
2	Adapter 1(HKC0115021-2D) + USB cable + Back Camera On +Earphone + WCDMA B5 Idle + GPS RX + SD		
3	Adapter 1(HKC0115021-2D) + USB cable + MPG4 + Earphone + Lte B5 Idle + BT Idle + Wifi Idle + SD		
4	Adapter 1(HKC0115021-2D) + USB cable + flashlight on + Earphone + Lte B12 Idle + SD		
5	USB Link + Data Transmission + USB Cable + PC to EUT + Earphone + Lte B13 Idle + SD		
6	USB Link + Data Transmission + USB Cable + PC to SD + Earphone + Lte B26 Idle + SD		
7	Adapter 2(ICP12-050-2000B) + Worst case of (1-4)		
8	Earphone + MPG4 + SD		

	Conducted emission test		
1	Adapter 1(HKC0115021-2D) + USB cable + Front Camera On + Earphone + GSM850 Idle + NFC + SD		
2	Adapter 1(HKC0115021-2D) + USB cable + Back Camera On +Earphone + WCDMA B5 Idle + GPS RX + SD		
3	Adapter 1(HKC0115021-2D) + USB cable + MPG4 + Earphone + Lte B5 Idle + BT Idle + Wifi Idle + SD		
4	Adapter 1(HKC0115021-2D) + USB cable + flashlight on + Earphone + Lte B12 Idle + SD		
5	USB Link + Data Transmission + USB Cable + PC to EUT + Earphone + Lte B13 Idle + SD		
6	USB Link + Data Transmission + USB Cable + PC to SD + Earphone + Lte B26 Idle + SD		
7	Adapter 2(ICP12-050-2000B) + Worst case of (1-4)		

NOTE:

- 1. For conducted emission test, Pre-scan all mode, mode 3 was the worst case and only this mode was presented in this report.
- 2. For radiated emission test, Pre-scan all mode, test mode 5 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	Laptop	Lenovo	Thnikpad L440	R90FTFKP	N/A
2	Micro SD	SAM SUNG	N/A	N/A	N/A
3	GPS Simulator+Antenna	TOJOIN	GNSS-5000A	E1-010-010119	N/A
4	Universal radio communication tester	Rohde&Schw arz	CMW500	N/A	N/A
5	Printer	HP	hp LaserJet 1300	CNSJF75989	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS	
1	USB Line: Shielded, Detachable 1m;	
2	N/A	
3	N/A	
4	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. 15,22	Feb. 14,23
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Mar. 04,22	Mar. 03,23

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

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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.

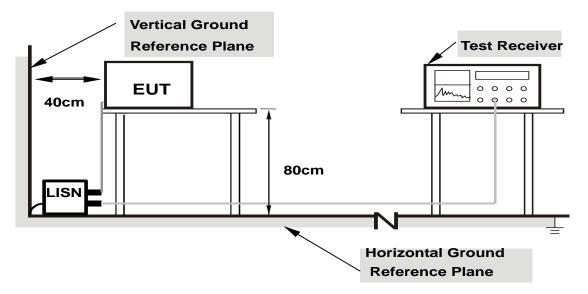
2.1.4 DEVIATION FROM TEST STANDARD

No deviation.

2.1.5 TEST SETUP

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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.

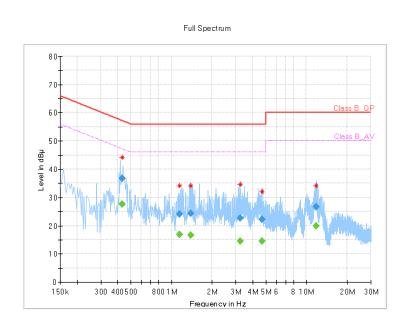
2.1.7 TEST RESULTS

TEST VOLTAGE	Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	26deg. C, 51%RH	TESTED BY	Carl xie

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.432000		27.54	47.21	19.67	L1	ON	9.7
0.432000	36.78		57.21	20.43	L1	ON	9.7
1.152000		16.80	46.00	29.20	L1	ON	9.7
1.152000	24.15		56.00	31.85	L1	ON	9.7
1.392000		16.63	46.00	29.37	L1	ON	9.7
1.392000	24.31		56.00	31.69	L1	ON	9.7
3.240000		14.55	46.00	31.45	L1	ON	9.7
3.240000	22.62		56.00	33.38	L1	ON	9.7
4.696000		14.56	46.00	31.44	L1	ON	9.7
4.696000	22.14		56.00	33.86	L1	ON	9.7
11.828000		19.85	50.00	30.15	L1	ON	9.8
11.828000	26.73		60.00	33.27	L1	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 = Limit value Emission level
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



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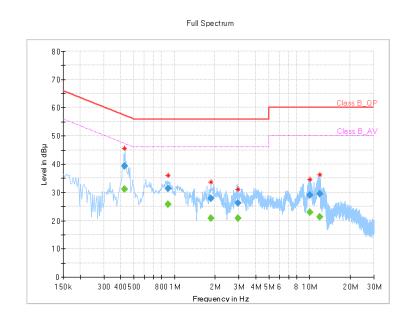


TEST VOLTAGE	Innut 120 Vac 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	26deg. C, 51%RH	TESTED BY	Carl xie

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.428000		31.06	47.29	16.23	N	ON	9.7
0.428000	39.36		57.29	17.93	N	ON	9.7
0.896000		25.66	46.00	20.34	N	ON	9.7
0.896000	31.44		56.00	24.56	N	ON	9.7
1.868000		20.90	46.00	25.10	N	ON	9.8
1.868000	27.87		56.00	28.13	N	ON	9.8
2.970000		20.75	46.00	25.25	N	ON	9.8
2.970000	26.25		56.00	29.75	N	ON	9.8
10.128000		22.96	50.00	27.04	N	ON	9.8
10.128000	29.06		60.00	30.94	N	ON	9.8
11.940000		21.24	50.00	28.76	N	ON	9.8
11.940000	29.57		60.00	30.43	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 = Limit value Emission level
- 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 FCC 15B, FCC 15B, (MHz) Class A 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 Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn- CT0001143-1216	May. 19,20	May. 18,23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 06,22	Mar. 05,23
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 18,22	Feb. 17,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May.12,22	May.11,23
E3 Test Software	E3	V 9.160323	N/A	N/A	N/A

Frequency range above 1GHz

rioquoney range above ronz						
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.	
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn- CT0001143-1216	May. 19,20	May. 18,23	
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 02,22	Apr. 01,23	
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 18,22	Feb. 17,23	
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.12,22	May.11,23	
E3 Test Software	E3	V 9.160323	N/A	N/A	N/A	

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

2. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

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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.
- 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:

- . The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- . 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.
- . For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
- . 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);
- . Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier)
- . Margin value = Emission level Limit value.

2.2.4 DEVIATION FROM TEST STANDARD

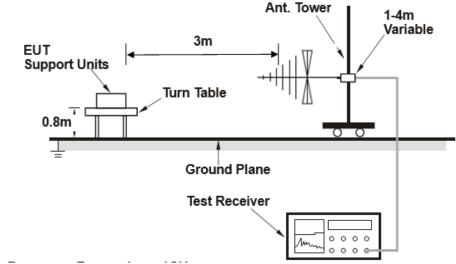
No deviation.

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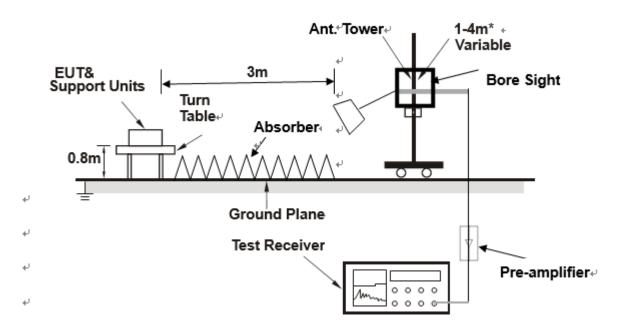


2.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

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

Acceleromete alternative worst case:

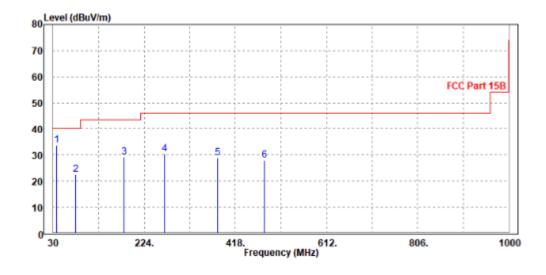
TEST VOLTAGE	Data Transmission Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS		DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Jace Hu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
-	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1 PP	37.760	33.63	55.00	40.00	-6.37	-21.37	QP	Horizontal
2	78.500	22.59	51.38	40.00	-17.41	-28.79	QP	Horizontal
3	181.320	29.20	53.49	43.50	-14.30	-24.29	QP	Horizontal
4	266.680	30.51	52.25	46.00	-15.49	-21.74	QP	Horizontal
5	380.170	28.81	48.40	46.00	-17.19	-19.59	QP	Horizontal
6	480.080	27.99	45.66	46.00	-18.01	-17.67	QP	Horizontal

REMARKS: 1. Emission level(dBuV/m)=Read Value(dBuV) + Correction Factor(dB/m)

- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)- Amplifier Gain
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.





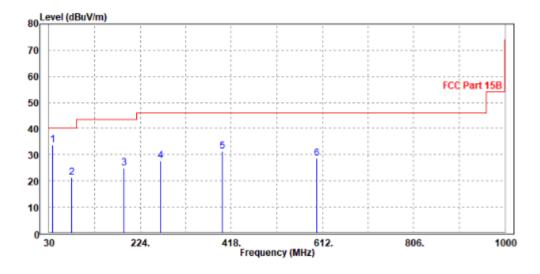
TEST VOLTAGE	Data Transmission Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70% RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak , 120 kHz	
TESTED BY	Jace Hu			

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
-	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1 PP	37.760	33.77	55.99	40.00	-6.23	-22.22	QP	Vertical
2	77.530	21.40	50.17	40.00	-18.60	-28.77	QP	Vertical
3	189.080	24.97	49.26	43.50	-18.53	-24.29	QP	Vertical
4	266.680	27.66	50.00	46.00	-18.34	-22.34	QP	Vertical
5	398.600	31.34	50.42	46.00	-14.66	-19.08	QP	Vertical
6	599.390	28.48	44.38	46.00	-17.52	-15.90	QP	Vertical

REMARKS:

- 1. Emission level(dBuV/m)=Read Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.



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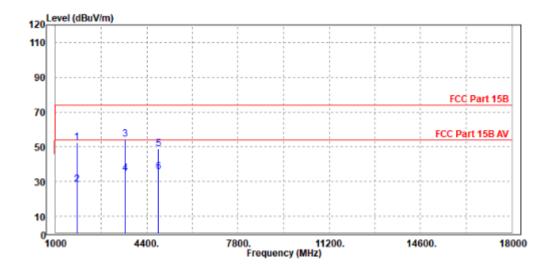


TEST VOLTAGE	Data Transmission Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	Peak/Average, 1 MHz	
TESTED BY	Jace Hu		

	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	52.35	60.94	74	-21.65	32.19	5.35	46.13	200	350	Peak
1799	28.27	36.86	54	-25.73	32.19	5.35	46.13	200	350	Average
3601	54.12	55.74	74	-19.88	35.96	7.93	45.51	105	75	Peak
3601	34.9	36.52	54	-19.1	35.96	7.93	45.51	105	75	Average
4842	49.04	47.8	74	-24.96	36.77	9.96	45.49	100	5	Peak
4842	35.43	34.19	54	-18.57	36.77	9.96	45.49	100	5	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 5th harmonic of the highest frequency or 40GHz, whichever is lower .For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.
- 4. Only emissions significantly above equipment noise floor are reported.

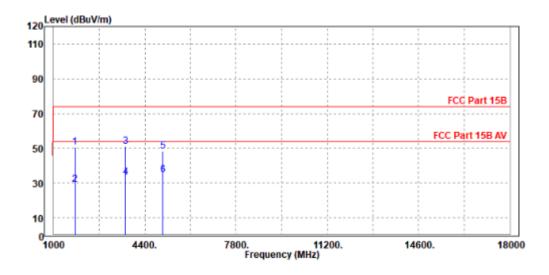




TEST VOLTAGE	Data Transmission Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	Peak/Average, 1 MHz		
TESTED BY	Jace Hu			

	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	50.77	60.39	74	-23.23	31.16	5.35	46.13	100	290	Peak
1799	28.99	38.61	54	-25.01	31.16	5.35	46.13	100	290	Average
3669	51.14	54.44	74	-22.86	34.27	7.91	45.48	100	80	Peak
3669	33.25	36.55	54	-20.75	34.27	7.91	45.48	100	80	Average
5080	48.41	48.75	74	-25.59	35.23	9.94	45.51	100	345	Peak
5080	34.88	35.22	54	-19.12	35.23	9.94	45.51	100	345	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 5th harmonic of the highest frequency or 40GHz, whichever is lower .For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.
 - 4. Only emissions significantly above equipment noise floor are reported.



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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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