

FCC EMC Test Report

Project No.	:	2311H013
Equipment	:	Connect T7 Wi-Fi 7 Mesh Router
Brand Name	:	Predator
Test Model	:	Τ7
Series Model	:	N/A
Applicant	:	Acer Incorporated
Address	:	8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221, Taiwan, R.O.C.
Manufacturer	:	Acer Incorporated
Address	:	8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221, Taiwan, R.O.C.
Date of Receipt	:	Nov. 09, 2023
Date of Test	:	Nov. 17, 2023 ~ Dec. 13, 2023
Issued Date	:	Jul. 08, 2024
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH2023110995, SH2023110988-4
Standard(s)	:	FCC CFR Title 47,Part 15,Subpart B, Class B ANSI C63.4-2014

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Shanghai).

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by CNAS.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective. Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.



Table of Contents	Page
REPORT ISSUED HISTORY	4
1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
1.3 TEST ENVIRONMENT CONDITIONS	7
2 . GENERAL INFORMATION	8
2.1 GENERAL DESCRIPTION OF EUT	8
2.2 DESCRIPTION OF TEST MODES	9
2.3 EUT OPERATING CONDITIONS	10
2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
2.5 DESCRIPTION OF SUPPORT UNITS	11
3 . EMC EMISSION TEST	12
3.1 AC POWER LINE CONDUCTED EMISSIONS TEST	12
3.1.1 LIMIT	12
3.1.2 MEASUREMENT INSTRUMENTS LIST	12 13
3.1.4 DEVIATION FROM TEST STANDARD	13
3.1.5 TEST SETUP	13
3.1.6 TEST RESULTS	13
3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ	16
3.2.1 LIMIT 3.2.2 MEASUREMENT INSTRUMENTS LIST	16 16
3.2.3 TEST PROCEDURE	17
3.2.4 DEVIATION FROM TEST STANDARD	17
3.2.5 TEST SETUP 3.2.6 TEST RESULTS	17 17
3 3 RADIATED EMISSIONS ABOVE 1 GHZ	20
3.3.1 LIMIT	20
3.3.2 MEASUREMENT INSTRUMENTS LIST	21
3.3.3 TEST PROCEDURE	21 21
3.3.4 DEVIATION FROM TEST STANDARD 3.3.5 TEST SETUP	21 22
3.3.6 TEST RESULTS	22
4 . EUT TEST PHOTO	31



	F	REPORT ISSUED HISTORY		
Report No.	Version	Description	Issued Date	Note
BTL-FCCE-1-2311H013	R00	Original Issue.	Jul. 08, 2024	Valid
BTL-FCCE-1-2311H013	R00	Original Issue.	Jul. 08, 2024	Valid



1. SUMMARY OF TEST RESULTS

Emission		
Ref Standard(s)	Test Item	Result
FCC CFR Title 47,Part 15, Subpart B, Class B ANSI C63.4-2014	AC Power Line Conducted Emissions	PASS
	Radiated Emissions 30 MHz to 1 GHz	PASS
	Radiated Emissions Above 1 GHz	PASS

NOTE:

(1) "N/A" denotes test is not applicable to this device.



1.1 TEST FACILITY

The test facilities used to collect the test data in this report is located at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China.

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
SH-C01	CISPR 16-4-2	150 kHz ~ 30MHz	2.02

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01 (3m)	CISPR 16-4-2	30 MHz ~ 200 MHz	V	4.32
		30 MHz ~ 200 MHz	Н	3.56
		200 MHz ~ 1,000 MHz	V	4.64
		200 MHz ~ 1,000 MHz	Н	4.06

Test Site	Method	Measurement Frequency Range	U,(dB)
SH-CB01 (3m)		1 GHz ~ 6 GHz	4.70
	CISPR 16-4-2	6 GHz ~ 18 GHz	4.42
		18 GHz ~ 26.5 GHz	3.22
		26.5 GHz ~ 40 GHz	3.34

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.



1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Tested By
AC Power Line Conducted Emissions	26°C	54%	Hans Zheng
Radiated emissions 30 MHz to 1 GHz	23.1°C	47%	Grunt Fan
Radiated emissions above 1 GHz	15°C~23.1°C	35%~47%	Gary Zhao Grunt Fan



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Connect T7 Wi-Fi 7 Mesh Router
Brand Name	Predator
Test Model	Т7
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC Voltage supplied from AC/DC adapter Brand/Model:TIANYIN/ TPQ-229C120300UW01
Power Rating	I/P: 100-240V~50/60Hz 1.2A O/P: 12.0V3.0A
Connecting I/O Port	1* DC IN Port 3* RJ45 Cable 1* USB-C Cable
Classification of EUT	Class B
Highest Internal Frequency(Fx)	5.85 GHz

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	FULL SYSTEM

AC Power Line Conducted Emissions test		
Final Test Mode	Description	
Mode 1	FULL SYSTEM	

Radiated Emissions 30 MHz to 1 GHz test		
Final Test Mode	Description	
Mode 1	FULL SYSTEM	

Radiated emissions above 1 GHz test				
Final Test Mode Description				
Mode 1	FULL SYSTEM			





2.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use.

The standard test signals and output signal as following:

- 1. EUT connected to Phone via USB-C Cable.
- 2. EUT connected to PC & Notebook via RJ45 Cable.
- 3. EUT connected to Notebook via WIFI function.

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





2.5 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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	
А	Phone	Honor	V10	N/A	
В	PC	DELL	XPS8920	DXFKNK2	
С	Notebook	Think Pad	Think Pad T490	PF-1XQ9CT	
D	Notebook	ThinkPad	E470C	20H3A00VCDPF0S9M9X	
Е	Notebook	ThinkPad	E470C	20H3A00VCDPF0S8287	

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.8m
2	USB-C Cable	YES	NO	0.4m
3-5	RJ45 Cable	NO	NO	18m



3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1.1 LIMIT

Frequency of Emission (MHz)	Class B (dBuV)			
r requercy of Emission (Minz)	Quasi-peak	Average		
0.15 - 0.5	66 - 56 *	56 - 46 *		
0.5 - 5	56	46		
5 - 30	60	50		

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use) Margin Level = Measurement Value - Limit Value

3.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE	DVC		101240	Jul. 21, 2024
1	V-NETWORK	Rad	ENVZIO	101340	
2	Test Cable	emci	EMCRG400-B M-NM-10000	N/A	Mar. 16, 2024
3	EMI Test Receiver	R&S	ESCI	100082	Mar. 17, 2024
4	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 17, 2024
5	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 17, 2024
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1- 01	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.



3.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.
- f. Measuring frequency range from 150KHz to 30MHz.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

3.1.5 TEST SETUP



3.1.6 TEST RESULTS

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.3 sec./MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of [Note]. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.





No. Mk.	Reading Freq. Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500 48.4	9.72	58.12	66.00	-7.88	QP	
2	0.1500 41.0	9.72	50.72	56.00	-5.28	AVG	
3	0.2714 38.7	9.74	48.44	61.07	-12.63	QP	
4	0.2714 27.1	9.74	36.84	51.07	-14.23	AVG	
5	0.2940 42.4	9.75	52.15	60.41	-8.26	QP	
6 *	0.2940 38.5	9.75	48.25	50.41	-2.16	AVG	
7	0.3345 39.8	9.75	49.55	59.34	-9.79	QP	
8	0.3345 34.1	9.75	43.85	49.34	-5.49	AVG	
9	0.3480 40.3	9.75	50.05	59.01	-8.96	QP	
10	0.3480 36.1	9.75	45.85	49.01	-3.16	AVG	
11	0.4380 38.3	9.76	48.06	57.10	-9.04	QP	
12	0.4380 31.9	9.76	41.66	47.10	-5.44	AVG	
13	0.5370 35.2	9.76	44.96	56.00	-11.04	QP	
14	0.5370 29.40	9.76	39.16	46.00	-6.84	AVG	
15	0.6045 33.20	9.77	42.97	56.00	-13.03	QP	
16	0.6045 28.10	9.77	37.87	46.00	-8.13	AVG	
17	0.6855 34.10	9.80	43.90	56.00	-12.10	QP	
18	0.6855 28.40	9.80	38.20	46.00	-7.80	AVG	
19	0.7935 36.40	9.85	46.25	56.00	-9.75	QP	
20	0.7935 28.50	9.85	38.35	46.00	-7.65	AVG	
21	0.9870 34.00	9.94	43.94	56.00	-12.06	QP	
22	0.9870 26.60	9.94	36.54	46.00	-9.46	AVG	
23	1.1625 34.20	9.98	44.18	56.00	-11.82	QP	
24	1.1625 24.30	9.98	34.28	46.00	-11.72	AVG	





No. Mk.	Reading Freq. Level	Correct Measure- Factor ment	Limit	Margin		
	MHz dBuV	dB dBuV	dBuV	dB	Detector	Comment
1 *	0.1500 46.40	9.71 56.11	66.00	-9.89	QP	
2	0.1500 35.70	9.71 45.41	56.00	-10.59	AVG	
3	0.1635 42.10	9.72 51.82	65.28	-13.46	QP	
4	0.1635 31.80	9.72 41.52	55.28	-13.76	AVG	
5	0.3345 36.00	9.73 45.73	59.34	-13.61	QP	
6	0.3345 29.40	9.73 39.13	49.34	-10.21	AVG	
7	0.4785 30.40	9.71 40.11	56.37	-16.26	QP	
8	0.4785 24.00	9.71 33.71	46.37	-12.66	AVG	
9	1.0860 31.70	9.94 41.64	56.00	-14.36	QP	
10	1.0860 23.60	9.94 33.54	46.00	-12.46	AVG	
11	8.4840 33.50	10.03 43.53	60.00	-16.47	QP	
12	8.4840 28.00	10.03 38.03	50.00	-11.97	AVG	



3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ

3.2.1 LIMIT

	Class B (at 3m)			
Frequency (MHz)	(uV/m) Quasi-peak	(dBuV/m) Quasi-peak		
30 - 88	100	40		
88 - 216	150	43.5		
216 - 960	200	46		
960 - 1000	500	54		

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
 3m Emission level = 10m Emission level + 20log(10m/3m).
- (3) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

3.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband	Schwarzbeck	VULB 9168	719	Mar. 03, 2024
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 17, 2024
3	MXE EMI Receiver	Keysight	N9038A	MY57290116	Jul. 21, 2024
4	Test Cable	RW	RWLPS50-4.0A- SMSM-7M	20220306-001	Nov. 2, 2024
5	Test Cable	emci	EMC104-SM-SM -1000	181019	Nov. 2, 2024
6	Test Cable	emci	EMC104-NM-N M-3000	170619	Nov. 2, 2024
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

Remark: "N/A" denotes no model name, no serial no. or no calibration specified. All calibration period of equipment list is one year.



3.2.3 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- f. For the actual test configuration, please refer to the related Item Block Diagram of system tested.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation

3.2.5 TEST SETUP



3.2.6 TEST RESULTS

Remark:

- (1) Measuring frequency range from 30 MHz to 1000 MHz
- (2) If the peak scan value lower limit more than 20 dB, then this signal data does not show in table.

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3.3 RADIATED EMISSIONS ABOVE 1 GHZ

3.3.1 LIMIT

Frequency	Class B		
	(dBuV/m) (at 3m)		
(101112)	Peak	Average	
Above 1000	74	54	

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	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 40 GHz, whichever is lower

NOTE:

- (1) The tighter limit applies at the band edges.
 (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
- 3m Emission level = 10m Emission level + $20\log(10m/3m)$.
- (3) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value



3.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
	Double-Ridged				
1	Waveguide Horn	ETS-Lindgren	3117	206960	Mar. 03, 2024
	Antenna				
2	Pre-Amplifier	emci	EMC012645B	980264	Jul. 21, 2024
3	MXE EMI Receiver	Keysight	N9038A	MY57290116	Jul. 21, 2024
4	Test Cable	RW	RWLPS50-4.0A- SMSM-7M	20220306-001	Nov. 2, 2024
5	Test Cable	emci	EMC104-SM-S M-1000	181019	Nov. 2, 2024
6	Test Cable	emci	EMC104-NM-N M-3000	170619	Nov. 2, 2024
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A
8	Antenna	Schwarzbeck	BBHA9170	9170-651	Mar. 12, 2024
9	Pre-Amplifier	EMC INSTRUMENT	EMC184045B	980265	Mar. 17, 2024
10	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Mar. 17, 2024
11	Test Cable	RW	100% S-Parameter Recorded	F02-150819-03 9	Oct. 21, 2024
12	Test Cable	emci	EMC104-SM-S M-2500	170616	Oct. 21, 2024
13	Test Cable	emci	EMC104-SM-S M-2500	170652	Oct. 21, 2024

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

3.3.3 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. The 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.
- f. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform.
- g. For the actual test configuration, please refer to the related Item Block Diagram of system tested.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation



3.3.5 TEST SETUP

ABOVE 1 GHZ



3.3.6 TEST RESULTS

Remark:

- (1) Radiated emissions measured in frequency range above 1000 MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (2) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
- (3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

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10 *

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12

1720.000 58.09

2791.000 57.53

4825.000 57.68

4825.000 49.10

5999.500 54.80

48.97

50.85

49.22

39.67

2791.000

5999.500

8875.000

8875.000

-18.88

-14.23

-14.23

-9.27

-9.27

-8.16

-8.16

-3.79

-3.79

39.21

43.30

34.74

48.41

39.83

46.64

42.69

45.43

35.88

54.00

74.00

54.00

74.00

54.00

74.00

54.00

74.00

54.00

st Voltag	je	A	C 120V/6	0Hz		Polariz	zation	Vertical				
st Mode		Fl	FULL SYSTEM									
100.0	dBuV/m											
90 —			Fundam	antal								
80			Fundam	entai								
70												
60												
50 1				7.		0						
40	8	5 X	and stilled as the state	and the second	mum	×0	manhore	www.www	11 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	www.ww		
30 2	Les million	X							x			
20												
10												
0.0												
1000	.000 1900.00	2800.	00 3700.	00 4600.00	5500.00	6400.00	7300.00	8200.00		10000.00 MHz		
No. Mk.	Re Freq. L	eading _evel	Correct Factor	Measure- ment	Limit	Margin						
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment				
1	1121.500	70.33	-21.52	48.81	74.00	-25.19	peak					
2	1121.500	49.61	-21.52	28.09	54.00	-25.91	AVG					
2	1720.000	59 72	-18 88	40.84	74 00	-33 16	peak					

-14.79

-30.70

-19.26

-25.59

-14.17

-27.36

-11.31

-28.57

-18.12

AVG

peak

AVG

peak

AVG

peak

AVG

peak

AVG





8

9

10

11

12

4825.000

5558.500

5558.500

8758.000

8758.000

51.26

54.54

41.90

49.04

38.56

-9.27

-8.35

-8.35

-3.92

-3.92

41.99

46.19

33.55

45.12

34.64



-12.01

-27.81

-20.45

-28.88

-19.36

54.00

74.00

54.00

74.00

54.00

AVG

peak

AVG

peak

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		11020.000	49.02	-1.22	47.80	74.00	-26.20	peak	
2		11020.000	38.72	-1.22	37.50	54.00	-16.50	AVG	
3		12104.000	49.11	0.77	49.88	74.00	-24.12	peak	
4		12104.000	39.14	0.77	39.91	54.00	-14.09	AVG	
5		13856.000	47.77	2.75	50.52	74.00	-23.48	peak	
6		13856.000	37.58	2.75	40.33	54.00	-13.67	AVG	
7		15288.000	46.01	5.02	51.03	74.00	-22.97	peak	
8		15288.000	36.03	5.02	41.05	54.00	-12.95	AVG	
9		16368.000	46.35	6.88	53.23	74.00	-20.77	peak	
10		16368.000	35.81	6.88	42.69	54.00	-11.31	AVG	
11		17220.000	46.20	7.95	54.15	74.00	-19.85	peak	
12	*	17220.000	36.60	7.95	44.55	54.00	-9.45	AVG	

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		10744.000	48.92	-1.35	47.57	74.00	-26.43	peak	
2		10744.000	39.33	-1.35	37.98	54.00	-16.02	AVG	
3		12012.000	49.40	0.59	49.99	74.00	-24.01	peak	
4		12012.000	39.40	0.59	39.99	54.00	-14.01	AVG	
5		13548.000	48.25	2.54	50.79	74.00	-23.21	peak	
6		13548.000	37.62	2.54	40.16	54.00	-13.84	AVG	
7		15100.000	46.70	4.76	51.46	74.00	-22.54	peak	
8		15100.000	35.90	4.76	40.66	54.00	-13.34	AVG	
9		16384.000	45.51	6.92	52.43	74.00	-21.57	peak	
10		16384.000	36.29	6.92	43.21	54.00	-10.79	AVG	
11		17136.000	45.68	7.99	53.67	74.00	-20.33	peak	
12	*	17136.000	35.55	7.99	43.54	54.00	-10.46	AVG	

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12 *

23291.675 52.16

23291.675 38.77

24833.150 50.96

24833.150 38.29

26308.325 51.10

26308.325 37.31

-5.08

-5.08

-2.76

-2.76

-1.16

-1.16

47.08

33.69

48.20

35.53

49.94

36.15

74.00

54.00

74.00

54.00

74.00

54.00

-26.92

-20.31

-25.80

-18.47

-24.06

-17.85

peak

AVG

peak

AVG

peak

AVG

Test Volta	age		AC 120V/	AC 120V/60Hz Polarization Vertical									
Test Mod	le		FULL SYSTEM										
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70													
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	000.000 1885		9700.00 205:	0.00 2140	JU.UU 2225	0.00 231	JU.UU 23	950.00 2	24800.00	26500.00 MHz			
No. Mk	. Freq.	Leve	I Factor	ment	e- Limit	Marg	in						
	MHz	dBu	ıV dB/m	dBuV/n	n dBuV/	m dB	Detec	tor Cor	nment				
1	18482.3	75 56.	98 -11.01	45.97	74.00) -28.	03 pea	k					
2	18482.3	75 44.	02 -11.01	33.01	54.00) -20.	99 AV(3					
3	19611.1	75 55.	94 -9.57 25 0.57	46.37	74.00	-27.	63 pea	к Э					
	20081.2	75 54	55 -8.57	46 50	54.00	J -21.	50 nea	s k					
6	20001.0	75 40	95 -8.05	32.90	54.00	-27.	10 Δ\/(3					



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No.	Mk.	Freq.	Level	Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		18493.000) 57.21	-10.99	46.22	74.00	-27.78	peak	
2		18493.000) 43.85	-10.99	32.86	54.00	-21.14	AVG	
3		19816.025	5 55.13	-9.27	45.86	74.00	-28.14	peak	
4		19816.025	5 41.46	-9.27	32.19	54.00	-21.81	AVG	
5		20962.250) 54.51	-8.06	46.45	74.00	-27.55	peak	
6		20962.250) 41.12	-8.06	33.06	54.00	-20.94	AVG	
7		22522.850) 52.98	-6.47	46.51	74.00	-27.49	peak	
8		22522.850	0 40.02	-6.47	33.55	54.00	-20.45	AVG	
9		24502.075	5 51.05	-3.74	47.31	74.00	-26.69	peak	
10		24502.075	5 37.63	-3.74	33.89	54.00	-20.11	AVG	
11		26394.600	0 50.86	-0.94	49.92	74.00	-24.08	peak	
12	*	26394.600	37.56	-0.94	36.62	54.00	-17.38	AVG	

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No.	Mk. Freq		Level	Factor	ment	Limit	Margin		
	MHz		dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	26622.8	3 <mark>50</mark>	50.57	-1.12	49.45	74.00	-24.55	peak	
2	26622.8	3 <mark>50</mark>	37.55	-1.12	36.43	54.00	-17.57	AVG	
3	30151.7	'50	51.52	0.62	52.14	74.00	-21.86	peak	
4	30151.7	'50	38.69	0.62	39.31	54.00	-14.69	AVG	
5	32909.1	25	53.09	-2.00	51.09	74.00	-22.91	peak	
6	32909.1	25	39.31	-2.00	37.31	54.00	-16.69	AVG	
7	35991.8	850	51.35	1.50	52.85	74.00	-21.15	peak	
8	35991.8	850	39.08	1.50	40.58	54.00	-13.42	AVG	
9	38134.3	00	49.84	4.12	53.96	74.00	-20.04	peak	
10	38134.3	00	37.02	4.12	41.14	54.00	-12.86	AVG	
11	39629.4	25	50.02	8.03	58.05	74.00	-15.95	peak	
12	* 39629.4	25	36.73	8.03	44.76	54.00	-9.24	AVG	

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No.	Mk. Fre	q. '	Level	Factor	ment	Limit	Margin		
	MH	lz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	28379	200	50.70	-1.85	48.85	74.00	-25.15	peak	
2	28379	200	36.61	-1.85	34.76	54.00	-19.24	AVG	
3	30238	.825	51.34	0.76	52.10	74.00	-21.90	peak	
4	30238	.825	38.00	0.76	38.76	54.00	-15.24	AVG	
5	32874	700	52.12	-2.01	50.11	74.00	-23.89	peak	
6	32874.	700	39.39	-2.01	37.38	54.00	-16.62	AVG	
7	35742	.775	51.10	0.85	51.95	74.00	-22.05	peak	
8	35742	775	38.28	0.85	39.13	54.00	-14.87	AVG	
9	38203	.150	49.58	4.28	53.86	74.00	-20.14	peak	
10	38203	.150	37.41	4.28	41.69	54.00	-12.31	AVG	
11	39441.	.775	50.02	7.82	57.84	74.00	-16.16	peak	
12	* 39441.	.775	36.69	7.82	44.51	54.00	-9.49	AVG	