
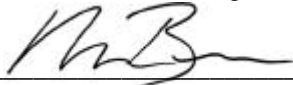


Report No	EC0824-1
Client	Microtek Electronics, Inc. P.O. Box 3464 San Clemente, CA 92672
Phone	(949)-498-3024
Fax	(949)-366-4978
FRN	0007-4512-48
Model	Minilink 5.8 TXM
FCC ID	JRR-PHL4-13
Equipment Type Equipment Code	Low Power Communication Device Transmitter DXX
Results	As detailed within this report
Prepared by	 Evan Gould – Test Engineer
Authorized by	 Michael Buchholz – EMC Manager
Issue Date	<u>11/8/02</u>
Conditions of issue	This Test Report is issued subject to the conditions stated in 'terms and conditions' section of this report.

Curtis-Straus LLC is accredited by the American Association for Laboratory Accreditation for the specific scope of accreditation under Certificate Number 1627-01. This report may contain data which is not covered by the A2LA accreditation.

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## ***Summary***

This report is an application for Certification of a Modular Transmitter operating pursuant to Part 15.249 of the FCC Rules, Code of Federal Regulations 47. The model number covered by this report is Minilink 5.8 TXM. This report is designed to demonstrate the compliance of this device with the requirements outlined in Part 15 of CFR 47 using the methods outlined in Part 2 of CFR 47.

## ***Test Methodology***

Radiated emissions testing is performed according to the procedures specified in ANSI C63.4 (2000).

Frequency range investigated: 30MHz – 40GHz

Measurement distances: Distances are noted in the data tables.  
3m (30 – 1000MHz)  
3 or 1m (1-18GHz)  
1m (18-26.5GHz)  
0.1m (26.5-40GHz)

EUT powered by: CONDOR D7-10-01 500mA 12VDC supply

Emissions maximized around the three orthogonal axes.

**Statement of Conformity**

The Microtek Minilink 5.8 TXM has been found to conform with the following parts of the 47 CFR as detailed below: The requirements for modular approval are addressed in a separate exhibit.

Part 2	Part 15	Comments
	15.15(b)	The product contains no user accessible controls that increase transmission power above allowable levels.
2.925	15.19	The label is shown in the label exhibit.
	15.21	Information to the user is shown in the instruction manual exhibit.
	15.27	No special accessories are required for compliance.
	15.203	The antenna connector is a reverse SMA type connector.
	15.205 15.209	The fundamental is not in a Restricted band and the spurious and harmonic emissions in the Restricted bands comply with the general emission limits of 15.209.
2.1055(d)		Amplitude is constant during voltage variations.
	15.207	The unit complies with the conducted emissions limits of 15.207.
	15.249	The unit complies with the field strength limits of 15.249

## Fundamental Frequency Measurement

### LIMIT

Average: 50mV/m = 93.9dBμV/m @ 3m [15.249(a), (b), and (d)]

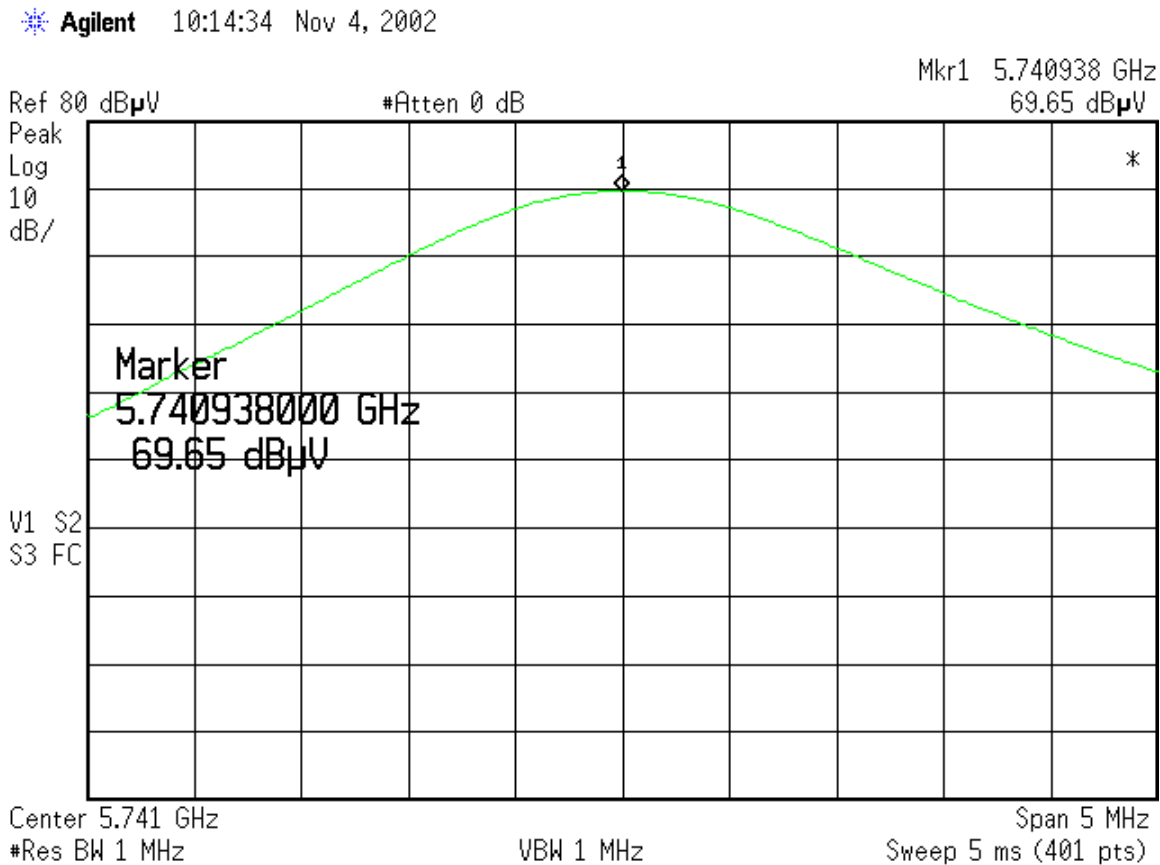
Peak: 93.9dBμV/m + 20dB = 123.9dBμV @ 3m [15.249(d)]

**Note:** If Peak measurements meet Average limits, then Average measurements are not required.

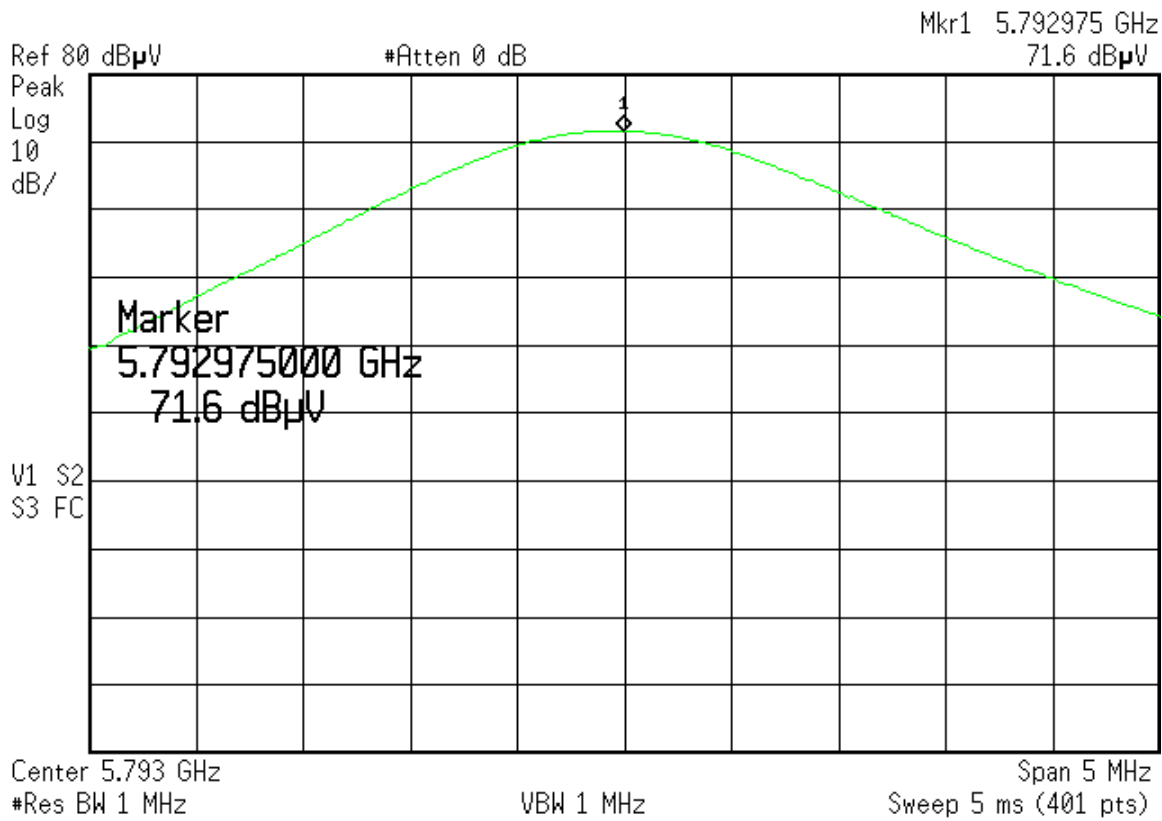
### MEASUREMENTS

Fundamental Frequency										Curtis-Straus LLC		
Date: 04-Nov-02			Engineer: Evan Gould					Work Order: C0824				
Company: Microtek Electronics, Inc.			EUT: Minilink 5.8 TXM					Fundamental Frequencies: 5741-5858MHz				
Test Site: "T"			Cable: Microflex					Pre-amp: White				
Antenna: Yellow			Filter/Attenuator: N/A					Analyzer: Orange				
Measurement Distance: 3 Meters							Resolution BW: 1MHz					
Detector Type: Peak							Video BW: 1MHz					
Notes: Measurements were taken of the EUT set to Channels 1, 5, and 10. Measurements taken without modulation.												
Antenna Polarization (H / V)	Frequency (MHz)	Reading (dBμV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Filter/Attenuator Factor (dB)	Distance Factor (dB)	Adjusted Reading (dBμV/m)	47 CFR 15.249			
									Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)	
H	5741.0	69.6	19.4	36.6	2.4	0.0	0.0	89.2	93.9	-4.7	Pass	
H	5793.0	71.6	19.4	36.7	2.4	0.0	0.0	91.3	93.9	-2.6	Pass	
H	5858.0	73.2	19.4	36.8	2.4	0.0	0.0	93.0	93.9	-0.9	Pass	

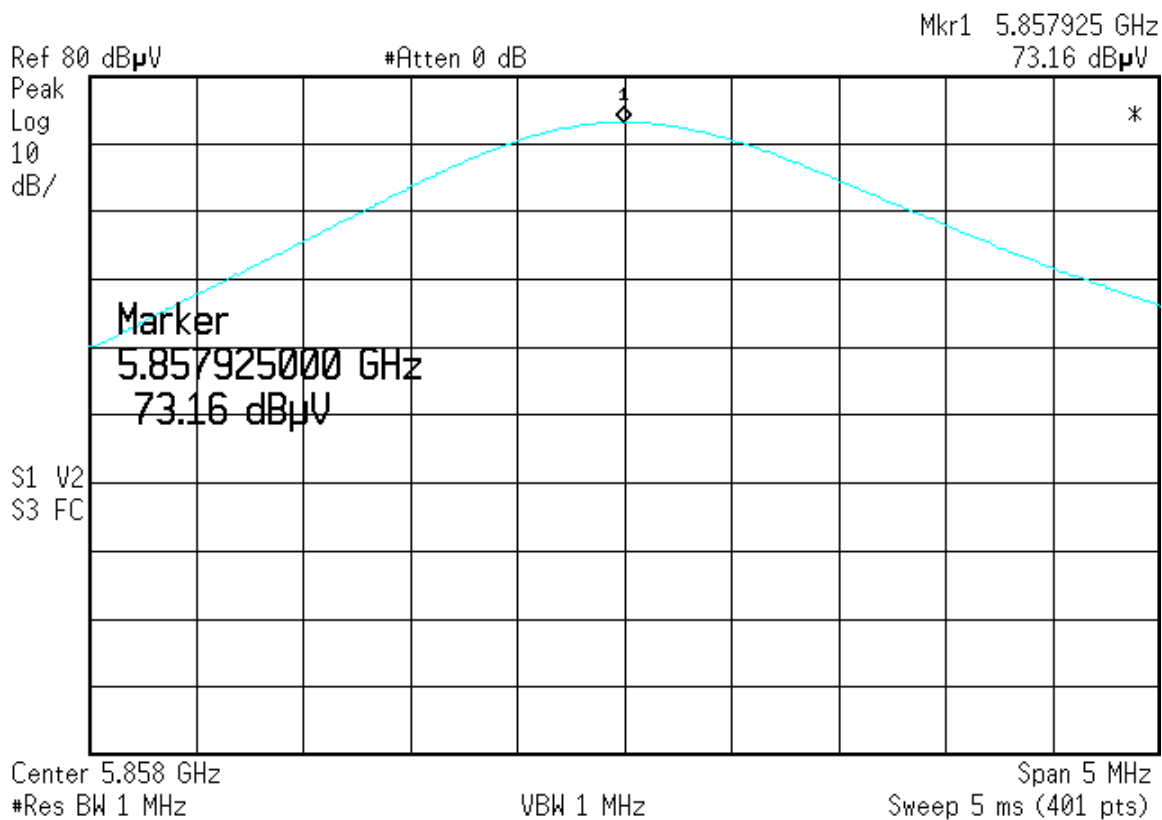
### ANALYZER PLOTS



Agilent 10:32:41 Nov 4, 2002



Agilent 10:37:00 Nov 4, 2002



## Band Edge Measurements

### LIMITS

Average: 50dB below level of Fundamental *OR*

General radiated emission limits of 15.209

*"...whichever is the lesser attenuation."* [15.249(c)]

Peak: (Average limit) + 20dB [15.249(d)]

**Note:** If Peak measurements meet Average limits, then Average measurements are not required.

### MEASUREMENTS

Band Edges									Curtis-Straus LLC		
Date: 04-Nov-02			Engineer: Evan Gould			Work Order: C0824					
Company: Microtek Electronics, Inc.			EUT: Minilink 5.8 TXM			Fundamental Frequency Band: 5725-5875MHz					
Test Site: "T"			Cable: Microflex			Pre-amp: White					
Antenna: Yellow			Filter/Attenuator: N/A			Analyzer: Orange					
Measurement Distance: 3 Meters						Resolution BW: 1MHz					
Detector Type: Peak						Video BW: 1MHz					
Notes: Measurements taken with modulation.											
									47 CFR 15.249		
Antenna Polarization (H / V)	Frequency (MHz)	Reading (dBμV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Filter/Attenuator Factor (dB)	Distance Factor (dB)	Adjusted Reading (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)
EUT SET TO CHANNEL 1											
noise floor	5718.0	28.4	19.3	36.6	2.4	0.0	0.0	48.1	54.0	-5.9	Pass
noise floor	5879.0	28.9	19.4	36.9	2.4	0.0	0.0	48.8	54.0	-5.2	Pass
EUT SET TO CHANNEL 10											
noise floor	5718.0	29.9	19.3	36.6	2.4	0.0	0.0	49.6	54.0	-4.4	Pass
noise floor	5879.0	30.3	19.4	36.9	2.4	0.0	0.0	50.3	54.0	-3.8	Pass

### ANALYZER PLOTS

Agilent 10:52:53 Nov 4, 2002

Channel 1 max hold

Ref 80 dBμV

#Atten 0 dB

Mkr2 5.8787 GHz

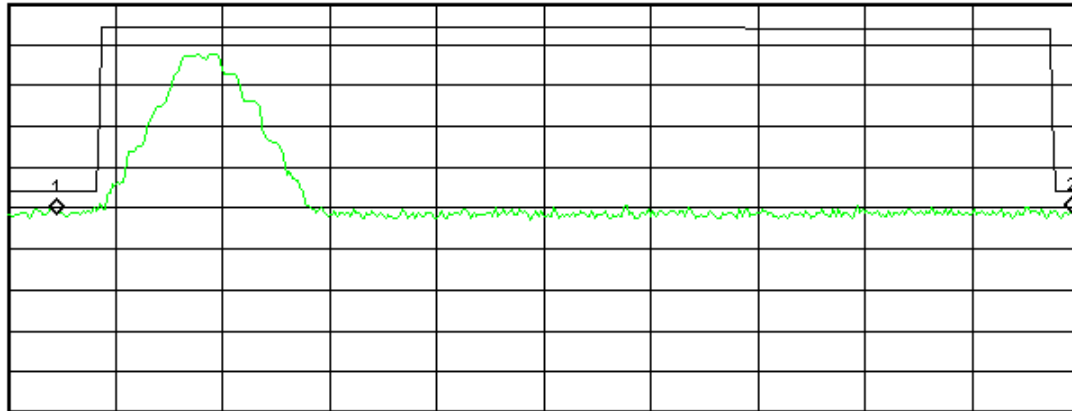
28.9 dBμV

Peak

Log

10

dB/



Start 5.71 GHz

#Res BW 1 MHz

VBW 1 MHz

Stop 5.88 GHz

Sweep 4 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	5.7177 GHz	28.44 dBμV
2	(1)	Freq	5.8787 GHz	28.9 dBμV

Agilent 10:49:15 Nov 4, 2002

Channel 10 max hold

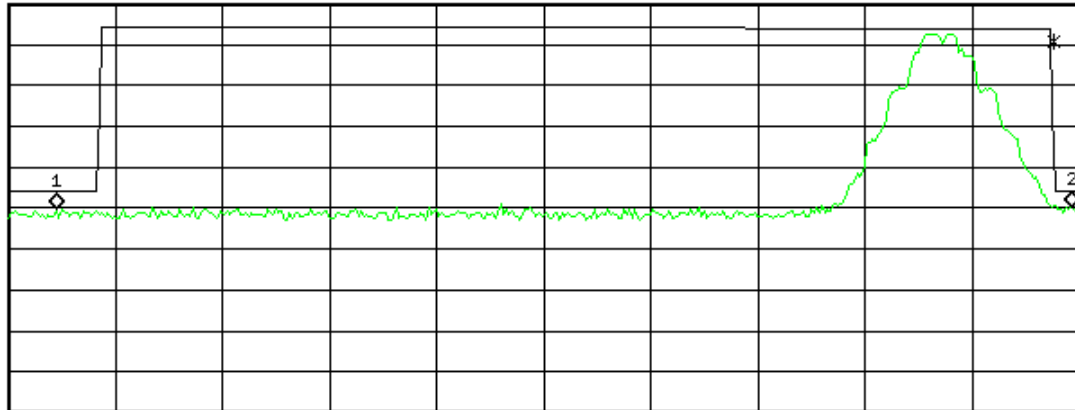
Mkr2 5.8787 GHz

Ref 80 dBμV

#Atten 0 dB

30.3 dBμV

Peak  
Log  
10  
dB/



Start 5.71 GHz

Stop 5.88 GHz

#Res BW 1 MHz

VBW 1 MHz

Sweep 4 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	5.7177 GHz	29.89 dBμV
2	(1)	Freq	5.8787 GHz	30.3 dBμV



## Harmonic and Spurious Frequency Measurements

### LIMITS

Average:  $500\mu\text{V/m} = 53.9\text{dB}\mu\text{V/m}$  @ 3m [15.249(a), (b), and (d)]

Peak:  $53.9\text{dB}\mu\text{V/m} + 20\text{dB} = 73.9\text{dB}\mu\text{V}$  @ 3m [15.249(d)]

**Note:** If Peak measurements meet Average limits, then Average measurements are not required.

### MEASUREMENTS

Harmonics and Spurious Emissions 30MHz-18GHz										Curtis-Straus LLC		
Date: 04-Nov-02		Engineer: Evan Gould					Work Order: C0824					
Company: Microtek Electronics, Inc.		EUT: Minilink 5.8 TXM					Fundamental Frequency: 5858MHz					
Test Site: "T"		Cable: Microflex					Pre-amp: White					
Antenna: Yellow		Filter/Attenuator: N/A					Analyzer: Orange					
Measurement Distance: Shown below							Resolution BW: 1MHz					
Detector Type: Peak							Video BW: 1MHz					
Notes: 30-1000MHz checked with: Gray antenna, Red analyzer. No emissions were found. EUT set to Channel 10 (5858MHz).												
Antenna Polarization (H / V)	Frequency (MHz)	Reading (dBμV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Filter/Attenuator Factor (dB)	Distance Factor (dB)	Adjusted Reading (dBμV/m)	47 CFR 15.249			
									Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)	
H 3m	2870.5	33.9	20.3	31.4	1.6	0.0	0.0	46.6	54.0	-5.2	Pass	
H 3m	2896.5	33.3	20.3	31.5	1.6	0.0	0.0	46.1	54.0	-7.9	Pass	
H 3m	2929.0	36.0	20.3	31.5	1.6	0.0	0.0	48.8	54.0	-7.4	Pass	
noise floor 1m	11716.0	28.7	16.2	39.1	4.6	0.0	9.5	46.7	54.0	-7.3	Pass	
noise floor 1m	17574.0	27.4	17.6	43.7	6.2	0.0	9.5	50.2	54.0	-3.8	Pass	

Harmonics and Spurious Emissions 18-26.5GHz										Curtis-Straus LLC		
Date: 04-Nov-02			Engineer: Evan Gould					Work Order: C0824				
Company: Microtek Electronics, Inc.			EUT: Minilink 5.8 TXM					Fundamental Frequency: 5858MHz				
Test Site: "T"			Cable: Microflex					Pre-amp: Yellow				
Antenna: White			Filter/Attenuator: N/A					Analyzer: Orange				
Measurement Distance: 1 Meter							Resolution BW: 1MHz					
Detector Type: Peak							Video BW: 1MHz					
Notes: EUT set to Channel 10 (5858MHz).												
Antenna Polarization (H / V)	Frequency (MHz)	Reading (dBμV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Filter/Attenuator Factor (dB)	Distance Factor (dB)	Adjusted Reading (dBμV/m)	47 CFR 15.249			
									Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)	
noise floor	23432.0	30.8	21.8	40.4	8.1	0.0	9.5	48.0	54.0	-6.0	Pass	

Harmonics and Spurious Emissions 26.5-40GHz										Curtis-Straus LLC		
Date: 04-Nov-02			Engineer: Evan Gould					Work Order: C0824				
Company: Microtek Electronics, Inc.			EUT: Minilink 5.8 TXM					Fundamental Frequency: 5858MHz				
Test Site: "T"			Cable: 40GHz Mixer					Pre-amp: N/A				
Antenna: 40GHz Mixer			Filter/Attenuator: N/A					Analyzer: Orange				
Measurement Distance: 0.1 Meters					Resolution BW: 1MHz							
Detector Type: Peak					Video BW: 1MHz							
Notes: EUT set to Channel 10 (5858MHz).												
Antenna Polarization (H / V)	Frequency (MHz)	Reading (dBμV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Filter/Attenuator Factor (dB)	Distance Factor (dB)	Adjusted Reading (dBμV/m)	47 CFR 15.249			
									Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)	
noise floor	29290.0	39.8	0.0	41.1	0.0	0.0	29.5	51.4	54.0	-2.6	Pass	
noise floor	35148.0	33.3	0.0	43.2	0.0	0.0	29.5	47.0	54.0	-7.0	Pass	

## AC Line Conducted Emission Measurements

### LIMITS

Quasi-Peak: 250 $\mu$ V = 47.9dB $\mu$ V in the range 450kHz to 30MHz

[47 CFR 15.207(a) Revised as of October 1, 2001]

**Note:** On July 12, 2004, FCC adopts the conducted emissions limits of the European CISPR 22 standard as outlined below

Frequency of emission (MHz)	Quasi-peak limit (dB $\mu$ V)	Average limit (dB $\mu$ V)
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

[47 CFR 15.207(a) Revised as of October 1, 2002; amended by ET Docket 98-80; FCC 02-157, published in the Federal Register Vol. 67, No. 132, on Wednesday, July 10, 2002]

### MEASUREMENTS

AC Mains Conducted Emissions										Curtis-Straus LLC		
Date: 04-Nov-02				Company: Microtek Electronics, Inc.				Table No: 6				
Engineer: Evan Gould				EUT Desc: Minilink 5.8 TXM				Work Order: C0824				
Notes:												
Range: 0.15-30Mhz				LISN(s): Red Orange				Other Equipment: ---				Spectrum Analyzer: Red
Frequency (MHz)	Q.P. Readings		Ave. Readings		Impedance Factor	FCC B Applicable until July 12, 2004		47 CFR 15.207		47 CFR 15.207		Overall Result
	QP1 (dBµV)	QP2 (dBµV)	AV1 (dBµV)	AV2 (dBµV)		Limit (dBµV)	Margin dB	qp Limit (dBµV)	qp Margin dB	AVE Limit (dBµV)	AVE Margin dB	
0.16	21.6	22.0			20.0	---	---	65.5	-23.5	55.5	-13.5	Pass
0.57	14.4	14.3			20.0	47.9	-13.5	56.0	-21.6	46.0	-11.6	Pass
3.55	13.0	15.5			20.0	47.9	-12.4	56.0	-20.5	46.0	-10.5	Pass
7.16	13.2	13.8			20.0	47.9	-14.1	60.0	-26.2	50.0	-16.2	Pass
10.70	13.2	13.9			20.0	47.9	-14.0	60.0	-26.1	50.0	-16.1	Pass
25.10	9.5	8.9			20.0	47.9	-18.4	60.0	-30.5	50.0	-20.5	Pass
28.60	18.4	15.4			20.0	47.9	-9.5	60.0	-21.6	50.0	-11.6	Pass
Table Result: Pass by -9.50 dB Worst Freq: 28.60 MHz												

**Voltage Variation****REQUIREMENT**

*"For intentional radiators, measurements of the variation of the...radiated signal level of the fundamental frequency component of the emission...shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage."* [15.31(e)]

**MEASUREMENTS**

Voltage Variation				Curtis-Straus LLC				
Date: 04-Nov-02		Engineer: Evan Gould		Work Order: C0824				
Company: Microtek Electronics, Inc.		EUT: Minilink 5.8 TXM		Fundamental Frequency: 5858MHz				
Test Site: "T"		Cable: Microflex		Pre-amp: White				
Antenna: Yellow		Filter/Attenuator: N/A		Analyzer: Orange				
Measurement Distance: 3 Meters		Resolution BW: 1MHz						
Detector Type: Peak		Video BW: 1MHz						
Notes:								
Supply Voltage	Frequency (MHz)	Reading (dBμV)	Preamplifier Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Filter/Attenuator Factor (dB)	Duty Cycle Factor (dB)	Adjusted Reading (dBμV/m)
(85%) 102V	5858.0	73.0	19.4	36.8	2.4	0.0	0.0	92.8
(nominal) 120V	5858.0	73.0	19.4	36.8	2.4	0.0	0.0	92.8
(115%) 138V	5858.0	73.0	19.4	36.8	2.4	0.0	0.0	92.8

**Test Equipment Used**

Rev. 10/24/02

**SPECTRUM ANALYZERS**

x	Analyzer	Model No.	Company	Serial No.	Calibration Due
X	<b>RED</b> 9kHz-1.8GHz	8591E	HP	3441A03559	05-JUN-2003
X	<b>ORANGE</b> 9kHz-26.5GHz	E4407B	HP	US39440975	07-JUN-2003

**LISNs**

x	LISN	Model No.	Company	Serial No.	Calibration Due
X	<b>RED</b> 10kHz-30MHz	8012-50-R-24-BNC	Solar	956348	18-APR-2003
X	<b>ORANGE</b> 10kHz-30MHz	8012-50-R-24-BNC	Solar	903707	24-OCT-2003

**OPEN AREA TEST SITE (OATS)**

x	Site	FCC Code	IC Code	VCCI Code	Calibration Due
X	<b>"T"</b> Texas	93448	IC 2762-T	R-905	04-FEB-2004

**LINE CONDUCTED TEST SITE**

x	Site	FCC Code	IC Code	VCCI Code	Calibration Due
X	<b>EMI 2</b>	93448	N/A	C-480	31-MAR-2003

**ANTENNAS**

x	Antenna	Model No.	Company	Serial No.	Calibration Due
X	<b>GRAY</b> Bilog: 26MHz-2GHz	3141	EMCO	9703-1038	18-JUL-2003
X	<b>YELLOW</b> Horn: 1-18GHz	3115	EMCO	9608-4898	08-MAY-2003
X	<b>WHITE</b> Std Gain Horn: 18-26.5GHz	3160-09	EMCO	9610-1068	26-JUN-2003

**HARMONIC MIXER WITH HORN ANTENNA**

x	Mixer	Model No.	Company	Serial No.	Calibration Due
X	<b>HARMONIC MIXER/ HORN</b> 26.5-40 GHz	11970A/28- 442-6	HP/ATM	2332A00900/ A046903-01	09-JUL-2003

**PREAMPLIFIERS**

x	Preamplifier	Model No.	Company	Serial No.	Calibration Due
X	<b>WHITE</b> 1-20GHz	SMC-12A	MITEQ	426643	27-AUG-2003
X	<b>YELLOW</b> 18-26.5GHz	AFS4-18002650- 60-8P-4	MITEQ	467559	27-AUG-2003

**ANECHOIC CHAMBER**

x	Chamber	Model No.	Company	Serial No.	Calibration Due
X	<b>RFI 2</b> Uniform Field Anechoic	04' x 07' Shielding System	Lindgren	13329	09-MAY-2003

**RMS VOLTMETER**

x	Meter	Model No.	Company	Serial No.	Calibration Due
X	<b>TRUE-RMS VOLTMETER</b>	79III	Fluke	71700298	03-OCT-2003

Unless otherwise noted the calibration interval is one year. All equipment is calibrated using standards traceable to NIST or other nationally recognized calibration standard.

## Terms And Conditions

### Paragraph 1. SERVICES. LABORATORY will:

- 1.1 Use the degree of care and skill ordinarily exercised by and consistent with the standards of the profession.
- 1.2 Perform all technical services in substantial accordance with the generally accepted laboratory principles and practices.
- 1.3 Retain all pertinent records relating to the services performed for a period of three (3) years following submission of the report describing such services, during which period the records will be made available to CLIENT upon reasonable request.

### Paragraph 2. CLIENT'S RESPONSIBILITIES. CLIENT or his authorized representative will:

- 2.1 Provide LABORATORY with all plans, schematics, specifications, addenda, change orders, drawings and other information for the proper performance of technical services.
- 2.2 Designate a person to act as CLIENT's representative with respect to LABORATORY's services to be performed on behalf of the CLIENT; such person or firm to have complete authority to transmit instructions, receive information and data, interpret and define CLIENT's policies and decisions with respect to the LABORATORY's work on behalf of the CLIENT and to order, at CLIENT's expense, such technical services as may be required.
- 2.3 Designate a person who is authorized to receive copies of LABORATORY's reports.
- 2.4 Undertake the following:
  - (a) Secure and deliver to LABORATORY, without cost to LABORATORY, preliminary representative samples of the equipment proposed to require technical services, together with any relevant data.
  - (b) Furnish such labor and equipment needed by LABORATORY to handle samples at the LABORATORY and to facilitate the specified technical services.

### Paragraph 3. GENERAL CONDITIONS:

- 3.1 LABORATORY, by the performance of services covered hereunder, does not in any way assume any of those duties or responsibilities customarily vested in the CLIENT, its employees, or any other party, agency or authority.
- 3.2 LABORATORY shall not be responsible for acts of omissions of any other party or parties involved in the design, manufacture or maintenance of the equipment or the failure of any employee, contractor or subcontractor to undertake any aspect of equipment's design, manufacture or maintenance.
- 3.3 LABORATORY is not authorized to revoke, alter, release, enlarge or release any requirement of the equipment's design, manufacture or maintenance unless specifically authorized by CLIENT or his authorized representative.
- 3.4 THE ONLY WARRANTY MADE BY LABORATORY IN CONNECTION WITH ITS SERVICE PERFORMED HEREUNDER IS THAT IT WILL USE THAT DEGREE OF CARE AND SKILL AS SET FORTH IN PARAGRAPH 1 ABOVE. NO OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE OR INTENDED FOR SERVICES PROVIDED HEREUNDER.
- 3.5 Where the LABORATORY indicates that additional testing is advisable to obtain more valid or useful data, and where such testing has not been authorized, CLIENT agrees to view such test reports as inconclusive and preliminary.
- 3.6 The LABORATORY will supply technical service and prepare a report based solely on the sample submitted to the LABORATORY by the CLIENT. The CLIENT understands that application of the data to other devices is highly speculative and should be applied with extreme caution.
- 3.7 The LABORATORY agrees to exercise ordinary care in receiving, preserving and shipping (F.O.B. Littleton, MA) any sample to be tested, but assumes no responsibility for damages, either direct or consequential, which arise from loss, damage or destruction of the samples due to the act of examination, modification or testing, or technical services or circumstances beyond LABORATORY's control.
- 3.8 The LABORATORY will hold samples for thirty (30) days after tests are completed, or until the CLIENT's outstanding debts to the LABORATORY are satisfied, whichever is later.
- 3.9 The CLIENT recognizes that generally accepted error variances apply and agrees to consider such error variances in its use of test data.
- 3.10 It is agreed between LABORATORY and CLIENT that no distribution of any tests, reports or analysis other than that described below shall be made to any third party without the prior written consent of both parties unless such distribution is mandated by operation of law. It is agreed that tests, reports, or analysis results may be disclosed to third party auditors of the laboratory at the laboratory facility in the course of accreditation maintenance audits. No reference to reports or technical services of the LABORATORY shall be made in any advertising or promotional literature without the express written permission of the LABORATORY.
- 3.11 The CLIENT acknowledges that all employees of LABORATORY operate under employment contracts with the LABORATORY and CLIENT agrees not to solicit employment of such employees or to solicit information related to other clients from said employees.
- 3.12 In recognition of the relative risks and benefits of the project to both CLIENT and LABORATORY, the risks have been allocated such that the CLIENT agrees, to the fullest extent permitted by law, to limit the liability of the LABORATORY to the CLIENT for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses from any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of the LABORATORY to the CLIENT shall not exceed \$100,000, or the LABORATORY'S total fee for services rendered on this project, whichever is greater. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

### Paragraph 4. INSURANCE:

- 4.1 LABORATORY shall secure and maintain throughout the full period of the services provided to the CLIENT adequate insurance to protect it from claims under applicable Workmen's Compensation Acts and also shall maintain one million dollars of general liability coverage to cover claims for bodily injury, death or property damage as may arise from the performance of its services.
- 4.2 The CLIENT hereby warrants that it has sufficient insurance to protect its employees adequately under applicable Workmen's Compensation Acts and for bodily injury, death, or property damage.
- 4.3 No insurance of whatever kind or type, which may be carried by either party is to be considered as in any way limiting any other party's responsibility for damages resulting from their operations or for furnishing work and materials.

**Paragraph 5. PAYMENT:**

- 5.1 CLIENT shall pay to LABORATORY such fees for services as previously agreed, orally or in writing, within 30 days of presentment of a bill for such services performed. In the event CLIENT ordered, orally or in writing, services but such services were not assigned a rate for billing, such services shall be billed at the LABORATORY's reasonable and customary rate.
- 5.2 CLIENT shall be responsible for all shipping, customs and other expenses related to services provided by LABORATORY to the CLIENT, and shall fully insure any test sample or other equipment provided to LABORATORY by the CLIENT.
- 5.3 Amounts overdue from CLIENT to LABORATORY shall be charged interest at a rate of 1½% per month.

**Paragraph 6. ISO/IEC GUIDE 17025 ADDITIONS:**

- 6.1 CLIENT agrees that this test report will not be reproduced except in full, without written approval from the LABORATORY.
- 6.2 CLIENT agrees that this test report shall not be used to claim product endorsement by A2LA or ANSI or any agency of the U.S. Government.
- 6.3 CLIENT agrees that test results presented herein relate only to the sample tested by the LABORATORY.