

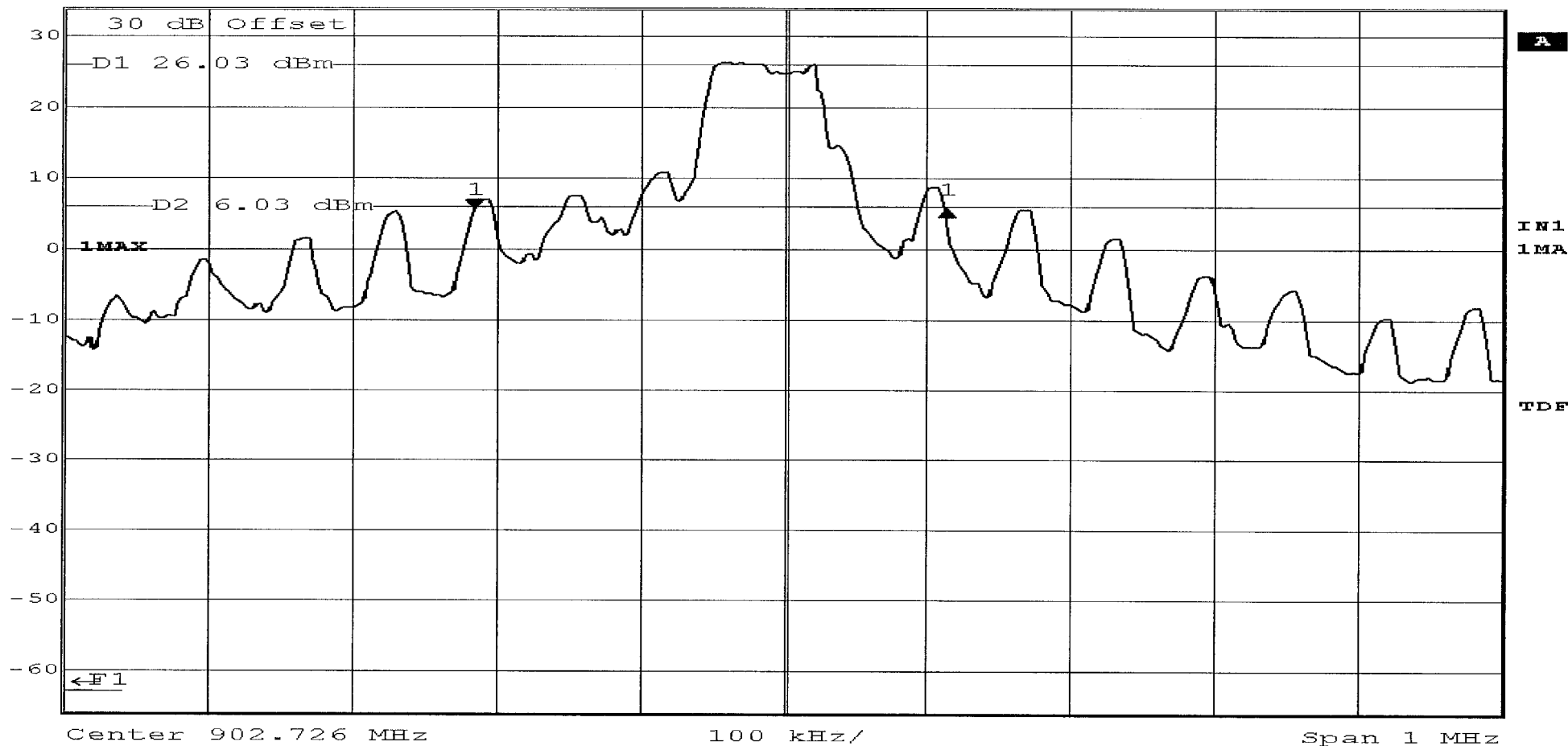
RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	20 dB Bandwidth		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG2
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)(i)
Operating Mode:	Transmitting a modulated signal		
Notes:	Frequency Tested: 902.726 MHz		
Job No:	R-4117N		Technician:
		T. Firkowski	
		Date:	9/3/02



Delta 1 [T1] RBW 10 kHz RF Att 30 dB
 Ref Lvl 0.03 dB VBW 30 kHz
 34 dBm 328.65731463 kHz SWT 25 ms Unit dBm



Center 902.726 MHz

100 kHz/

Span 1 MHz

Date: 3.SEP.2002 09:32:23

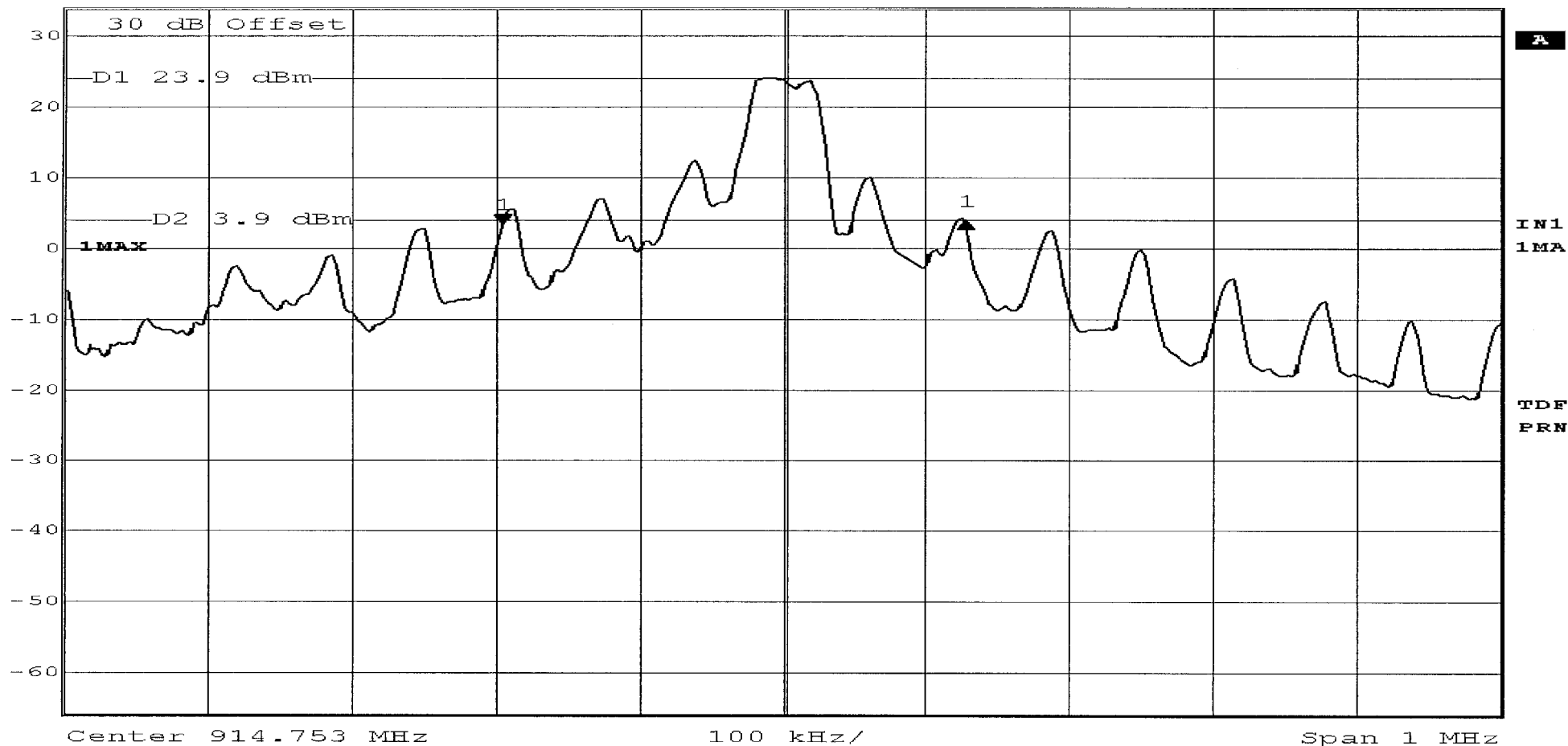
RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	20 dB Bandwidth		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG2
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)(i)
Operating Mode:	Transmitting a modulated signal		
Notes:	Frequency Tested: 914.773 MHz		
Job No:	R-4117N		
Technician:	T. Firkowski		
Date:	9/3/02		



Delta 1 [T1]	RBW	10 kHz	RF Att	30 dB
Ref Lvl	0.47 dB	VBW	30 kHz	
34 dBm	322.64529058 kHz	SWT	25 ms	Unit dBm



Center 914.753 MHz

100 kHz/

Span 1 MHz

Date: 3.SEP.2002 09:37:09

Data Sheet 2 of 3

R-4117N

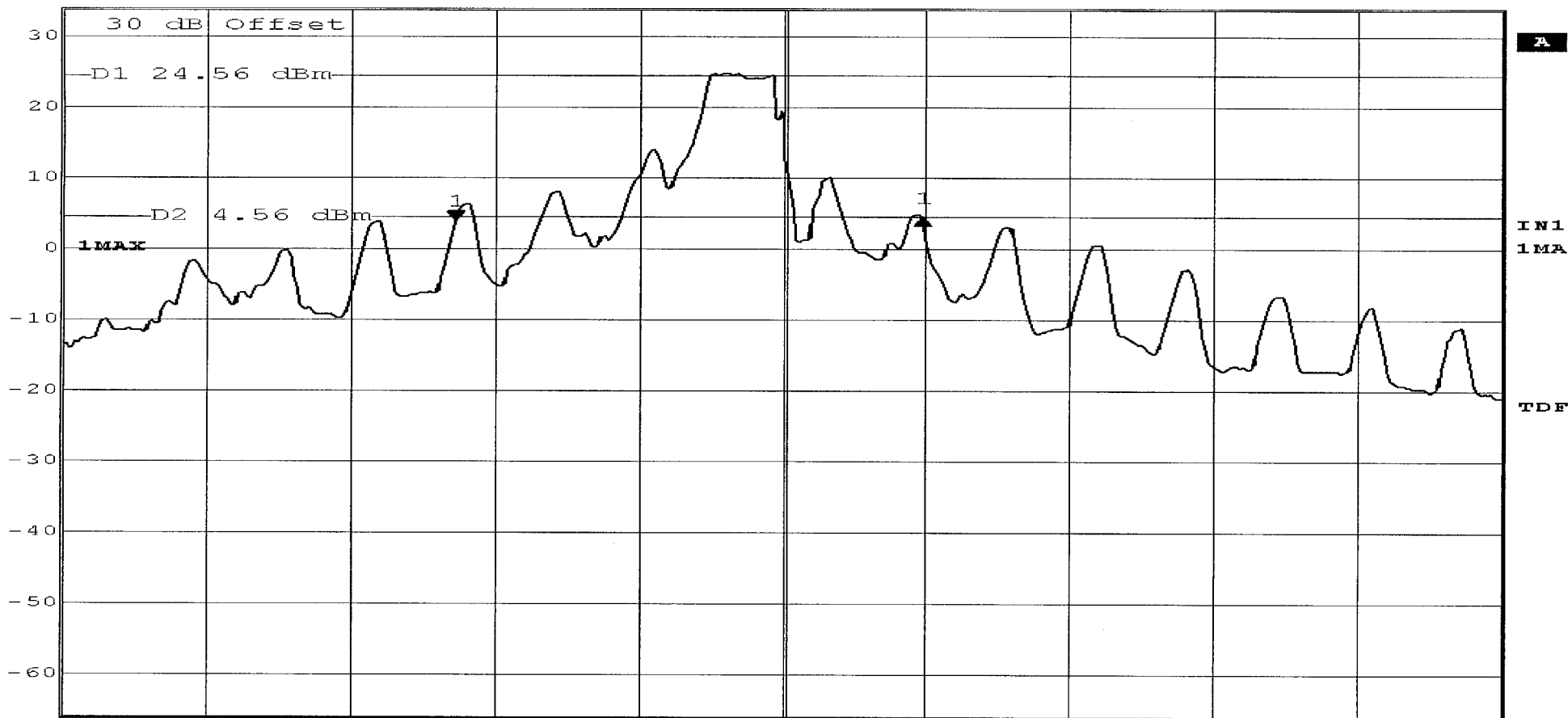
RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	20 dB Bandwidth		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG2
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)(i)
Operating Mode:	Transmitting a modulated signal		
Notes:	Frequency Tested: 927.322 MHz		
Job No:	R-4117N		
Technician:	T. Firkowski		
Date:	9/3/02		



Delta 1 [T1] RBW 10 kHz RF Att 30 dB
 Ref Lvl 0.53 dB VBW 30 kHz
 34 dBm 324.64929860 kHz SWT 25 ms Unit dBm



Center 927.332 MHz

100 kHz/

Span 1 MHz

Date: 3.SEP.2002 09:40:35

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Dwell Time		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG1
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)(i)
Operating Mode:	Transmitting a modulated signal		
Notes:	Frequency Tested: 914.773 MHz - Frequency Hopping		
Job No:	R-4117N		
Technician:	T. Firkowski		
Date:	8/20/02		



Delta 1 [T1]

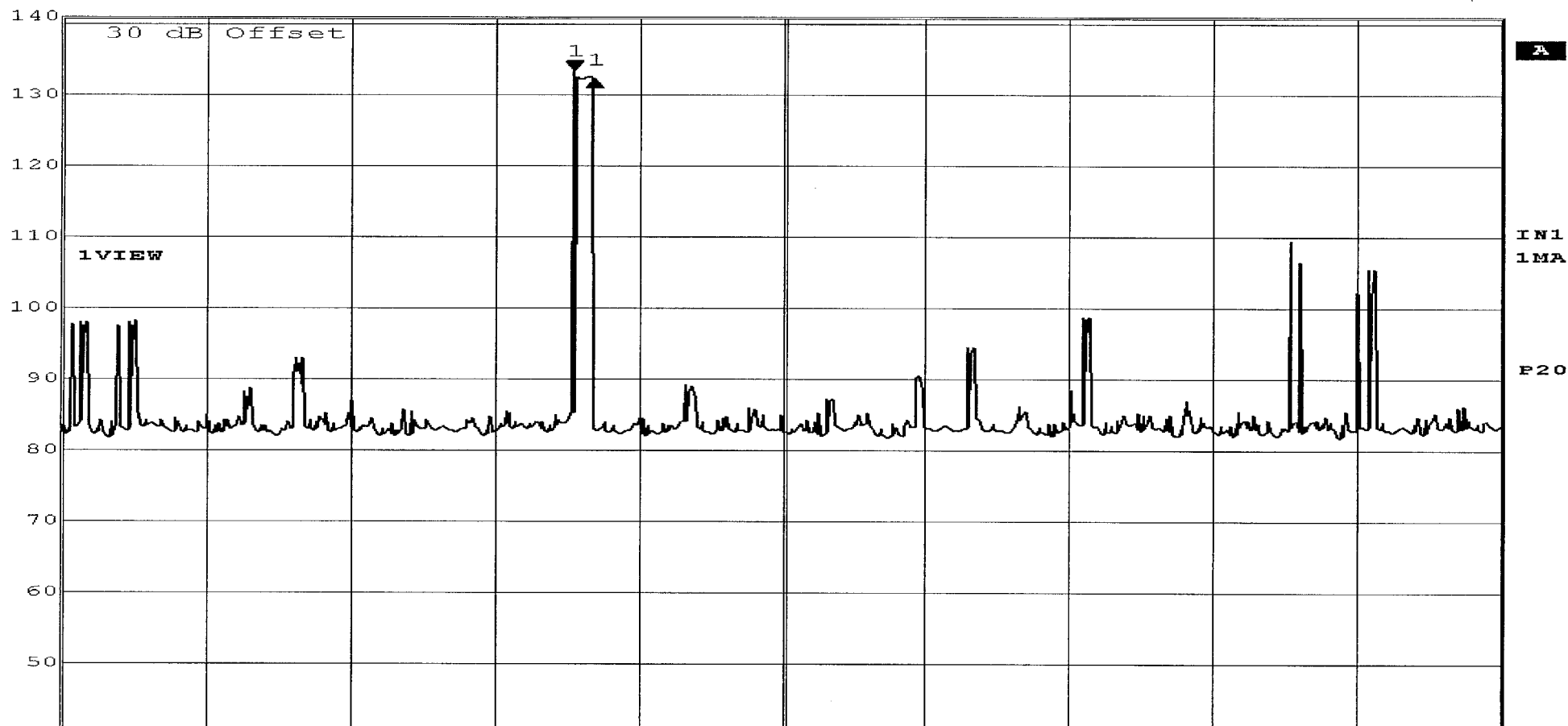
RBW 100 kHz RF Att 50 dB
 VBW 300 kHz
 SWT 1 s Unit dBμV

Ref Lvl

-1.24 dB

141 dBμV

15.020040 ms



Center 914.7519579 MHz

100 ms/

Date: 20.AUG.2002 15:25:51

RETLIF TESTING LABORATORIES

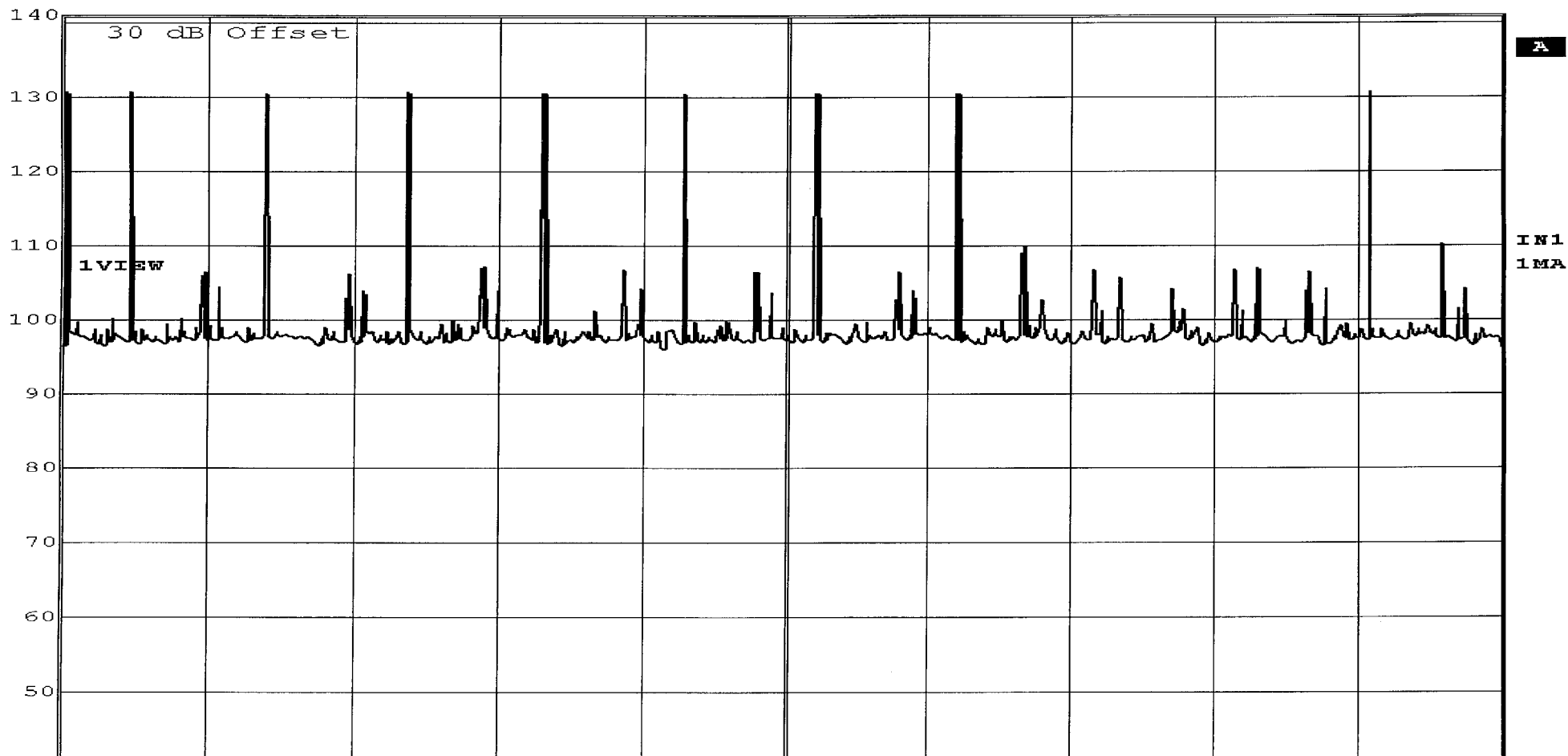
EMISSIONS DATA SHEET

Test Method:	Time of Occupancy		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG1
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)(i)
Operating Mode:	Transmitting a modulated signal		
Notes:	Frequency Tested: 914.773 MHz - Frequency Hopping		
Job No:	R-4117N		
Technician:	T. Firkowski		
Date:	9/10/02		



RBW 100 kHz RF Att 50 dB
 VBW 300 kHz
 SWT 10 s Unit dBμV

Ref Lvl
 141 dBμV



Center 914.752 MHz 1 s/

Date: 10.SEP.2002 14:44:47

RETLIE TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Carrier Frequency Separation		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG1
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)
Operating Mode:	Transmitting a modulated signal		
Notes:	20 dB BW is 322 kHz		
Job No:	R-4117N		
Technician:	T. Firkowski		
Date:	8/20/02		



Delta 1 [T1]

RBW 100 kHz

RF Att 50 dB

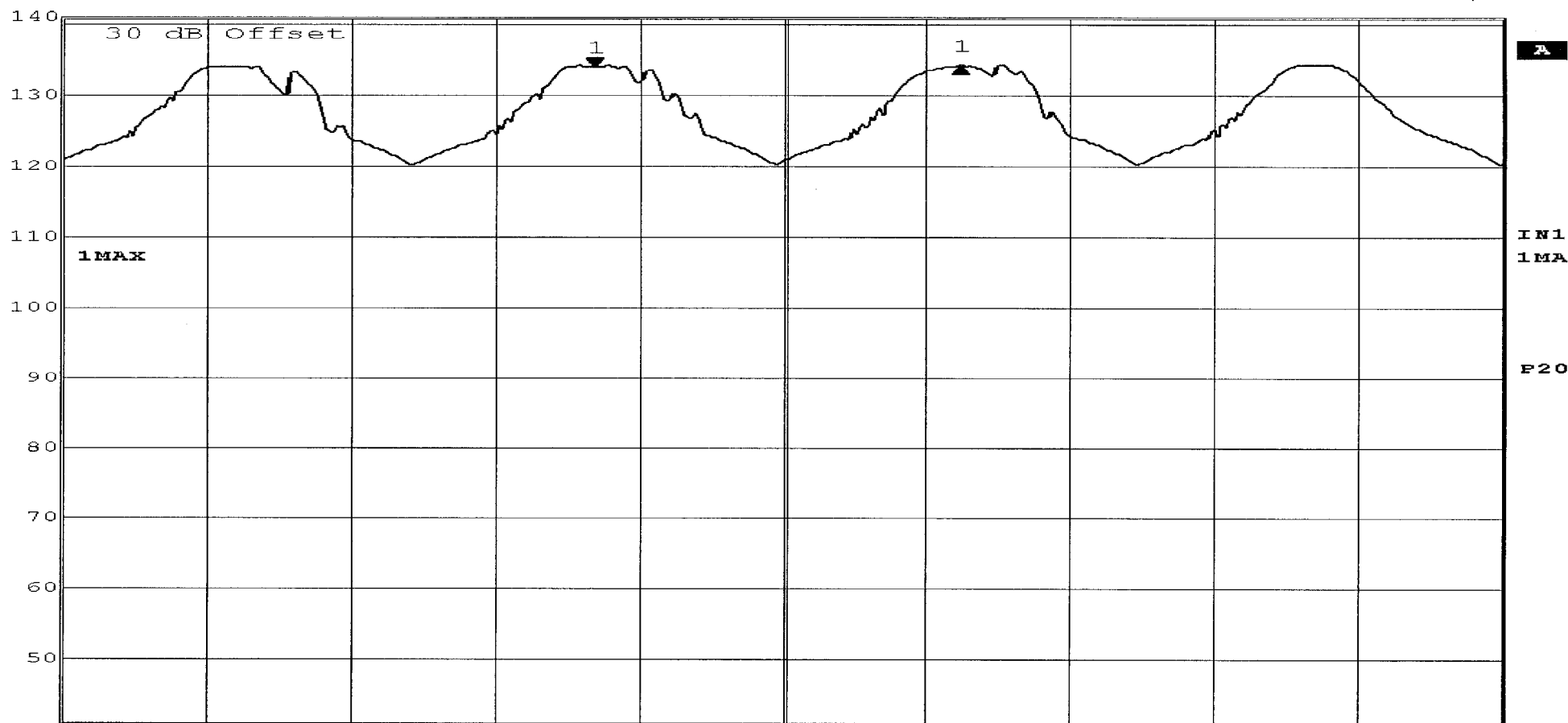
Ref Lvl 0.08 dB

VBW 300 kHz

141 dB μ V 509.01803607 kHz

SWT 5 ms

Unit dB μ V



Center 903.4589177 MHz

200 kHz/

Span 2 MHz

Date: 20.AUG.2002 10:57:04

Data Sheet 1 of 1

R-4117N

RETLIF TESTING LABORATORIES

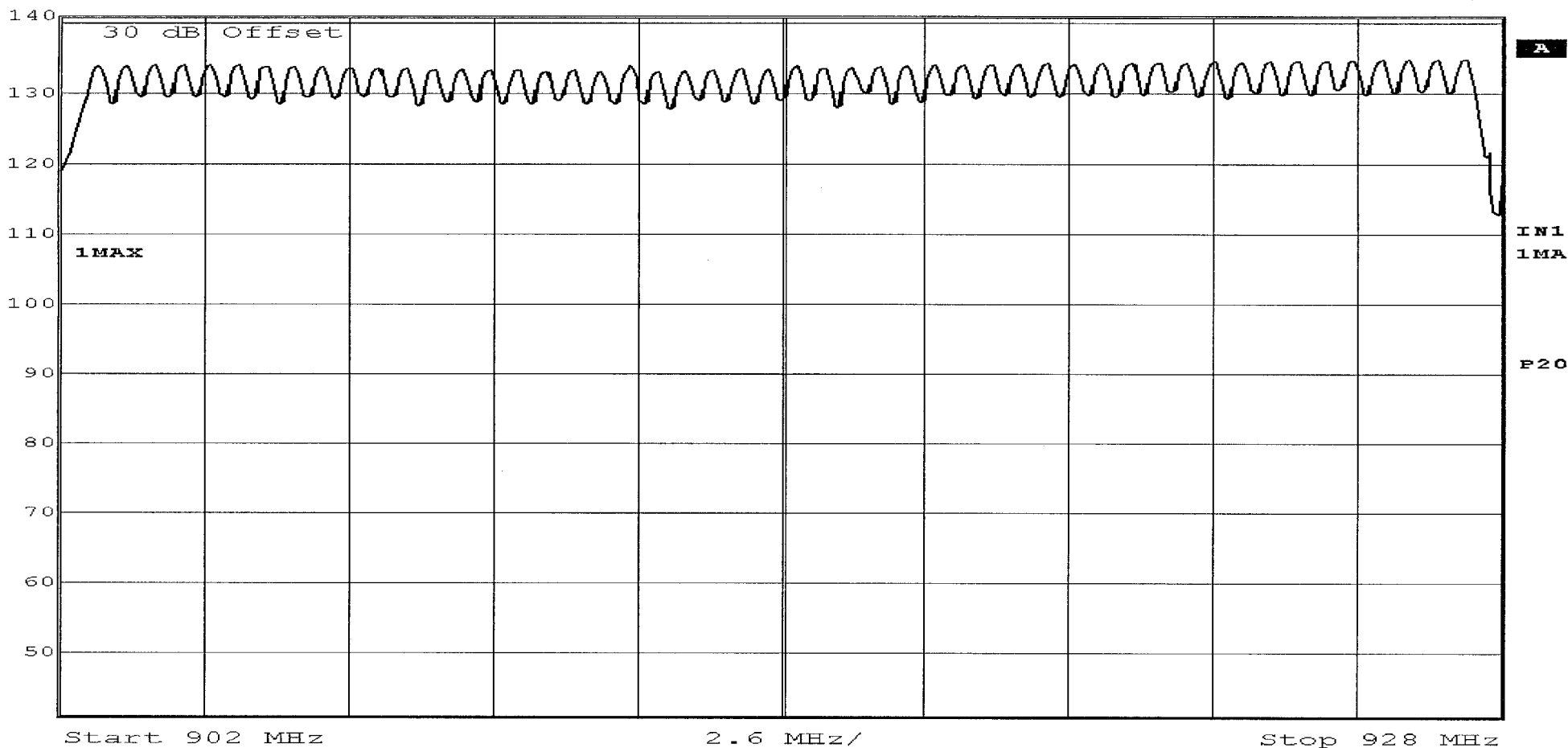
EMISSIONS DATA SHEET

Test Method:	Number of Hopping Frequencies		
Customer:	ThingMagic LLC	Test Sample:	RF ID Tag Reader
Model No:	Mercury 2	Serial No:	ENG1
Test Specification:	FCC Part 15, Subpart C	Paragraph:	15.247(a)(1)(i)
Operating Mode:	Transmitting a modulated signal		
Notes:	Number of Hopping Frequencies = 50		



Ref Lvl
141 dBμV

RBW 300 kHz RF Att 50 dB
VBW 1 MHz
SWT 5 ms Unit dBμV



Date: 20.AUG.2002 11:05:44