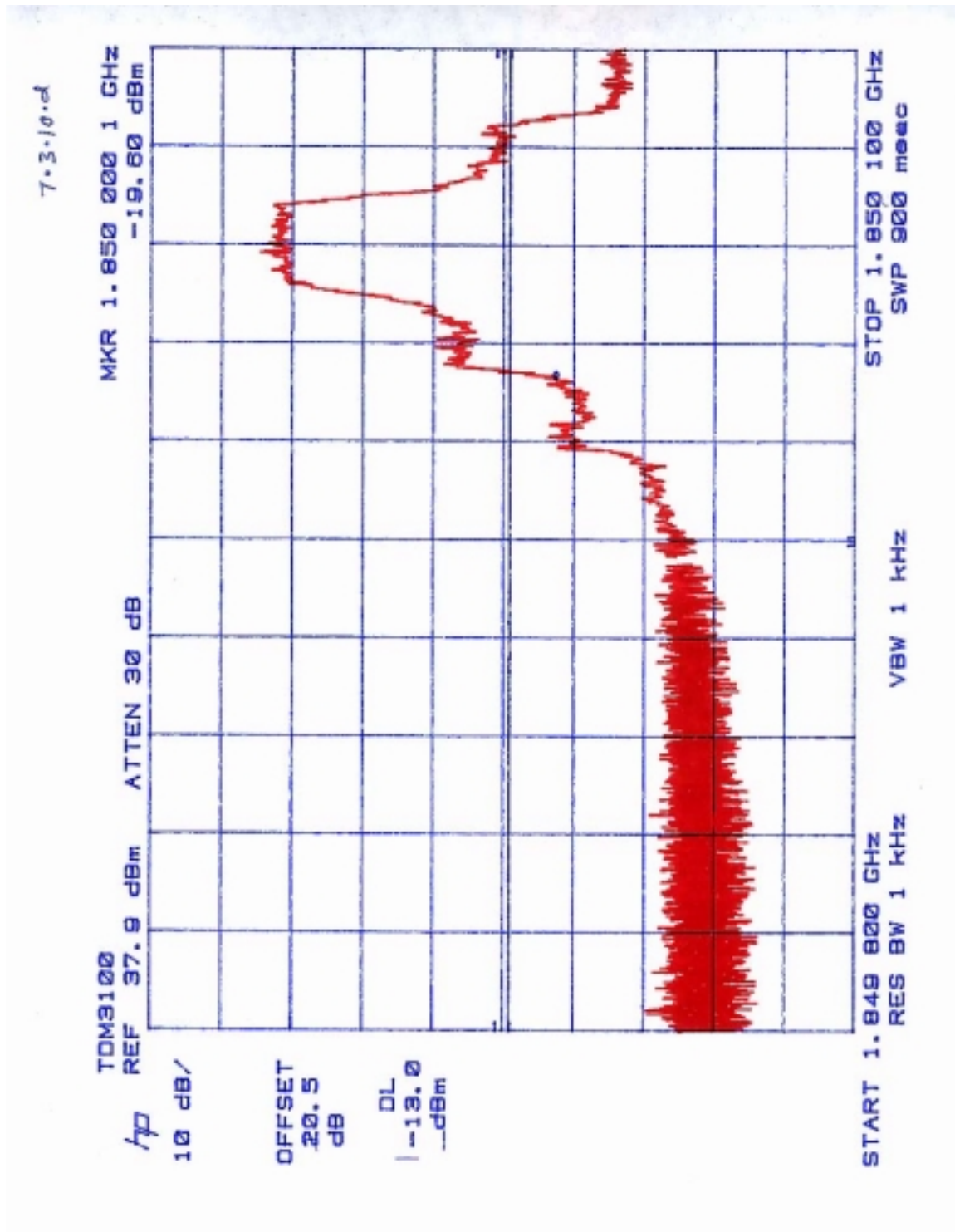


Telian Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30,2000

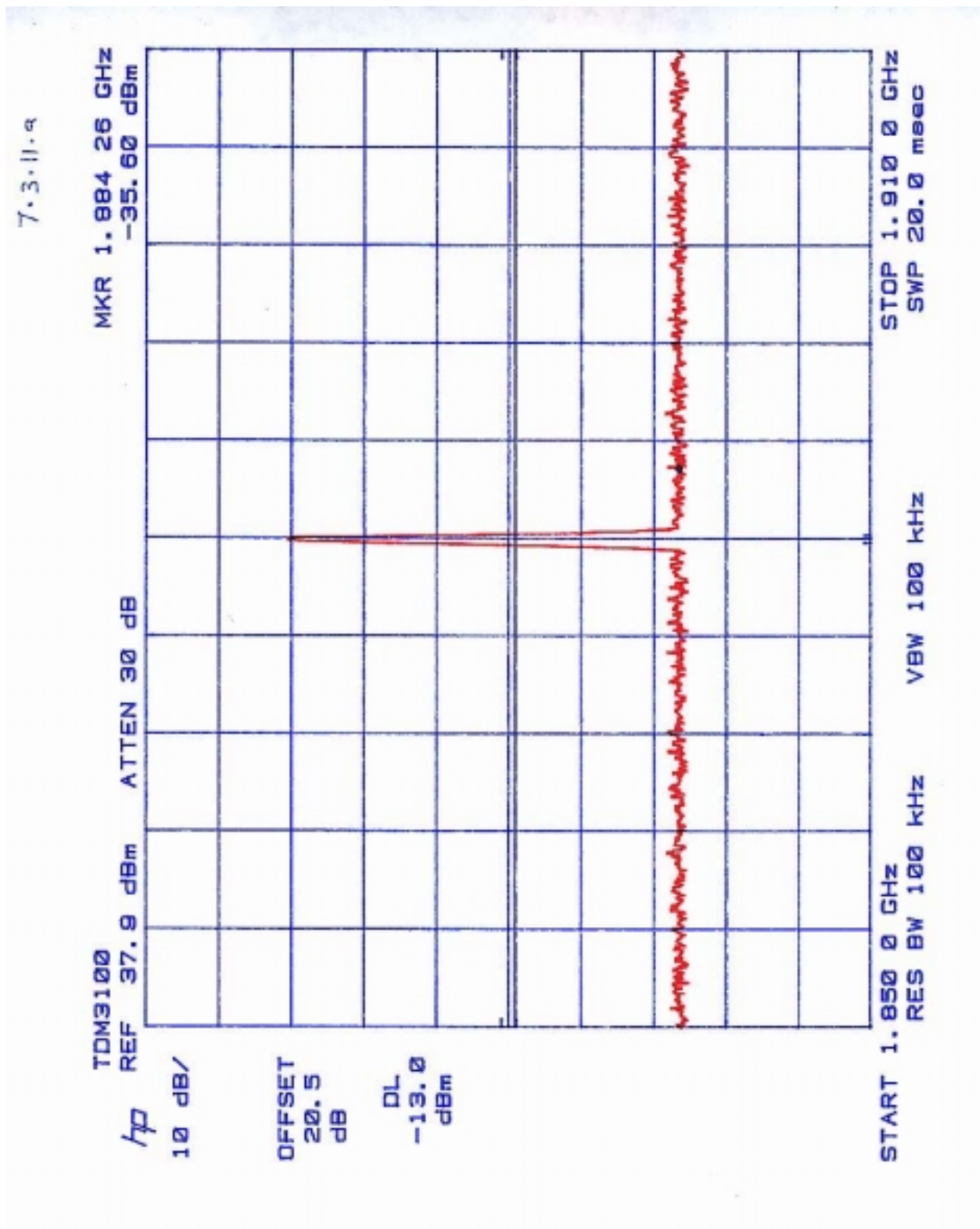


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1365 Adams Court, Menlo Park, CA 94025

Telian Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30,2000

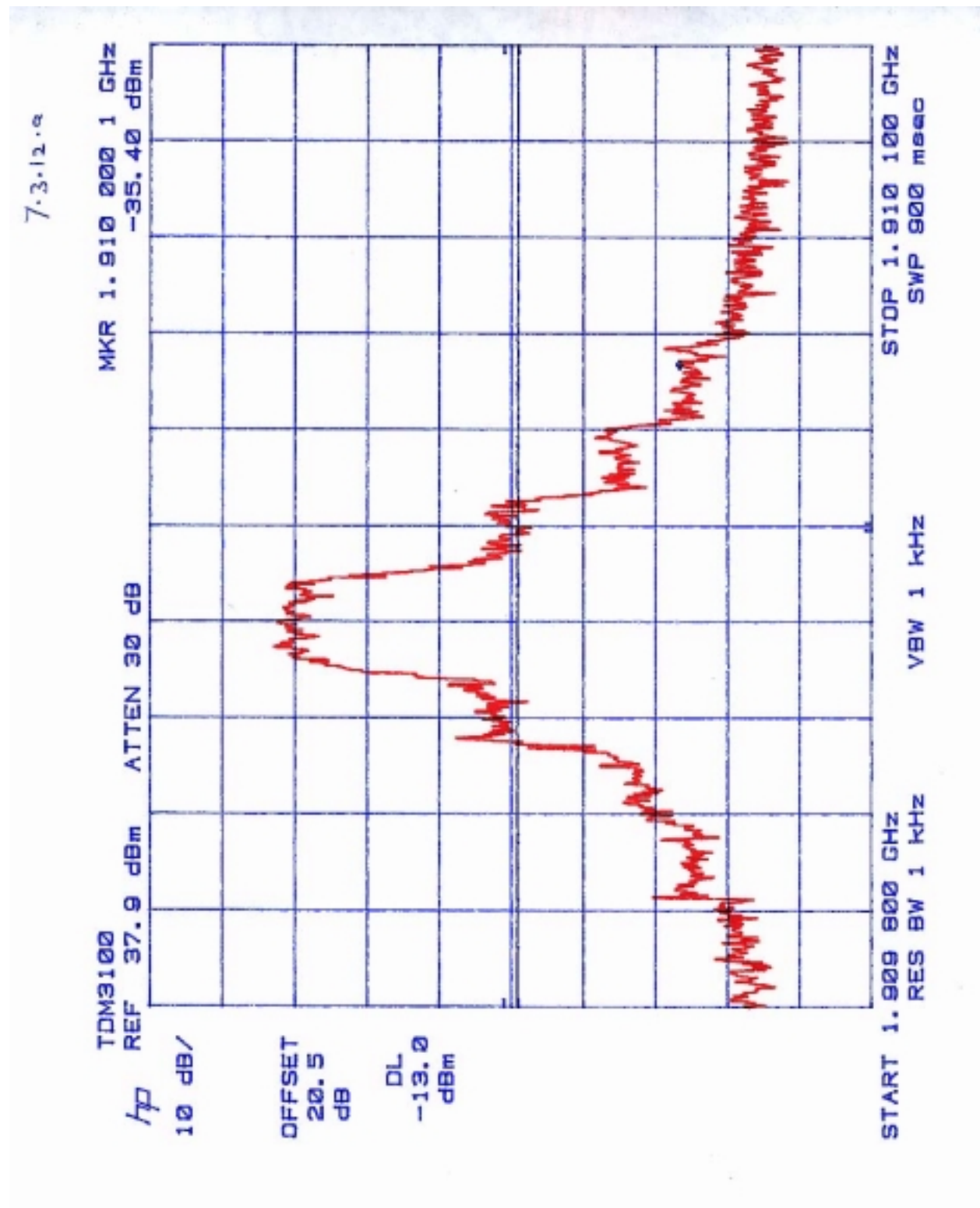


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1365 Adams Court, Menlo Park, CA 94025

Telian Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30,2000

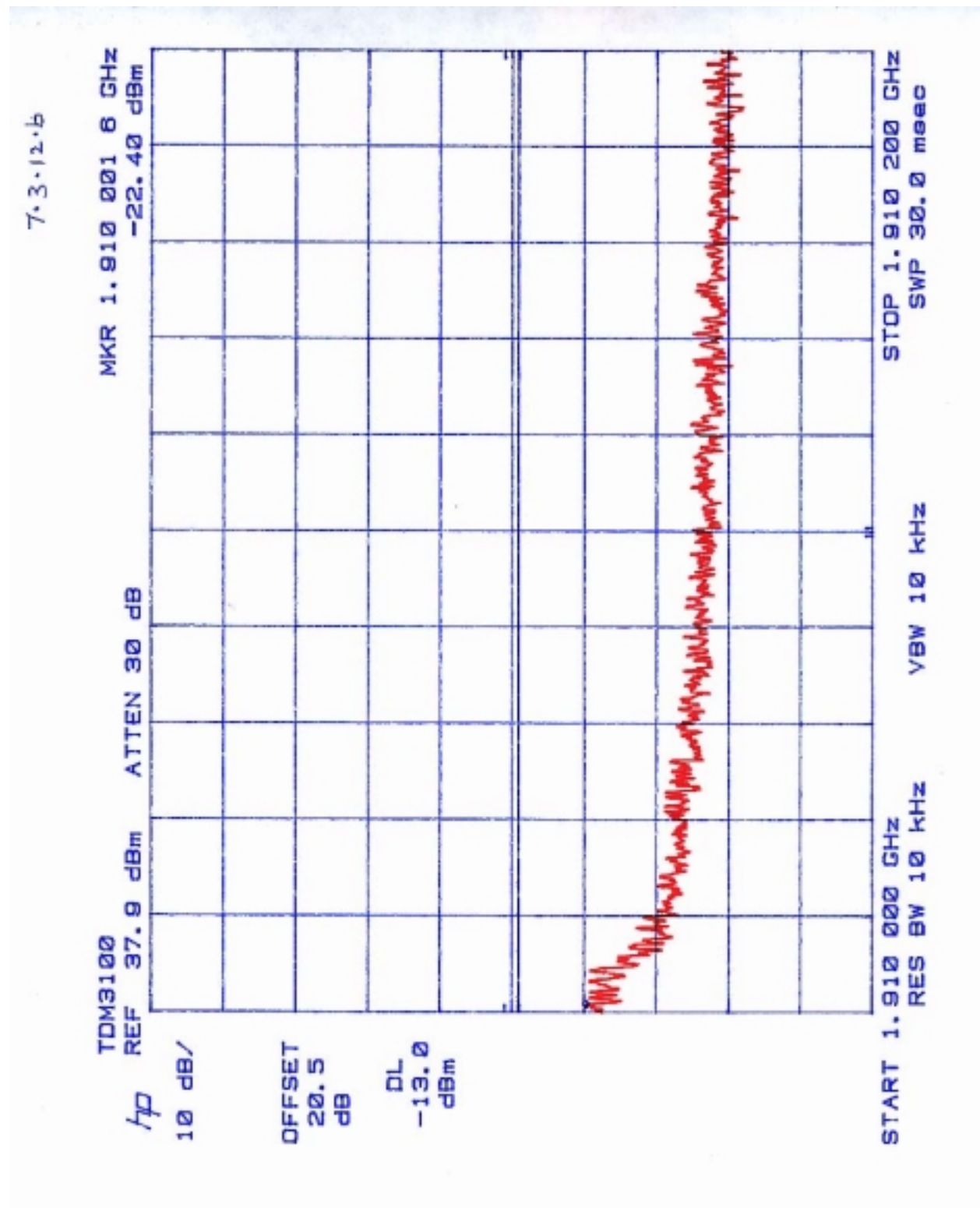


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1365 Adams Court, Menlo Park, CA 94025

Telian Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30,2000

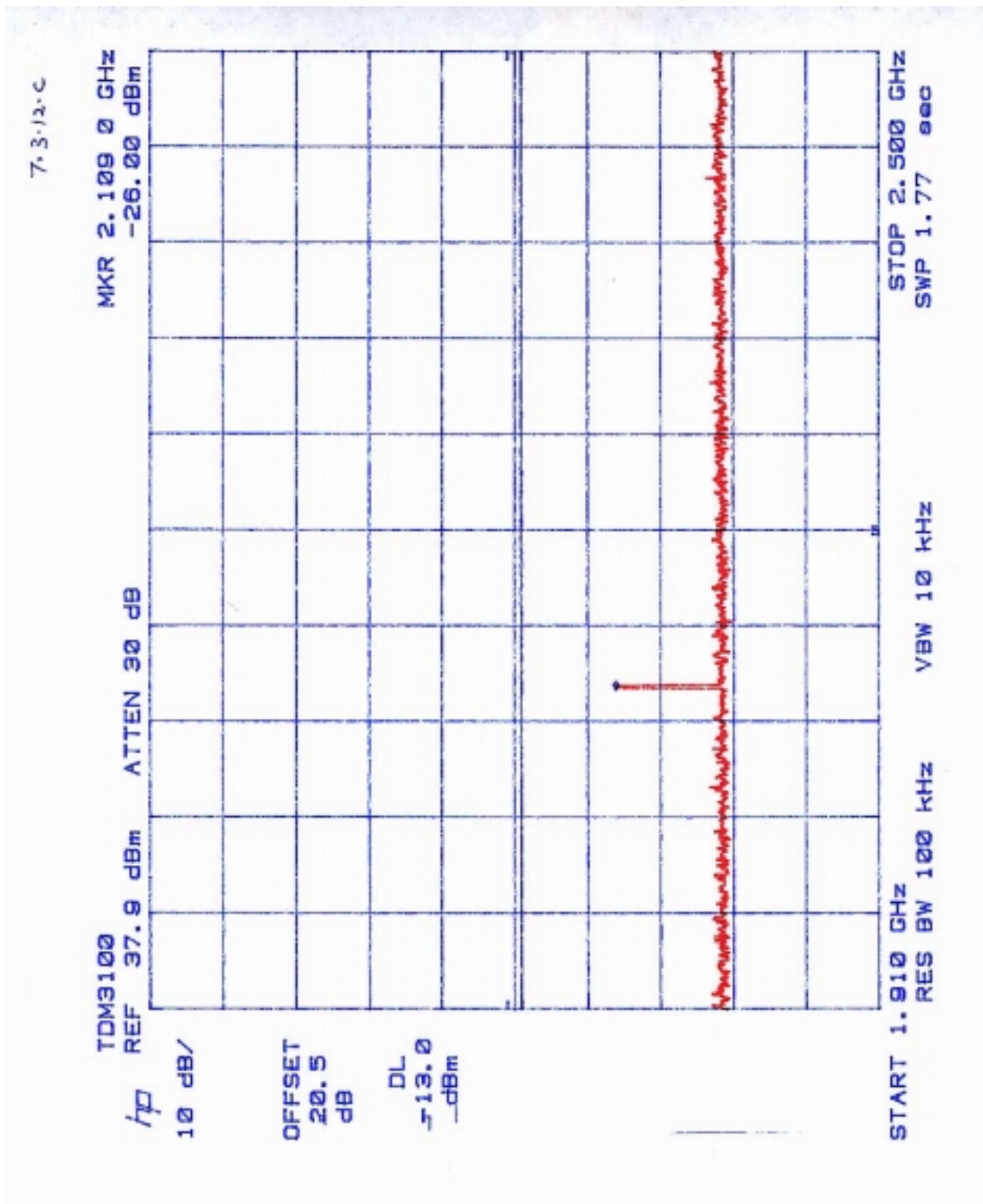


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1365 Adams Court, Menlo Park, CA 94025

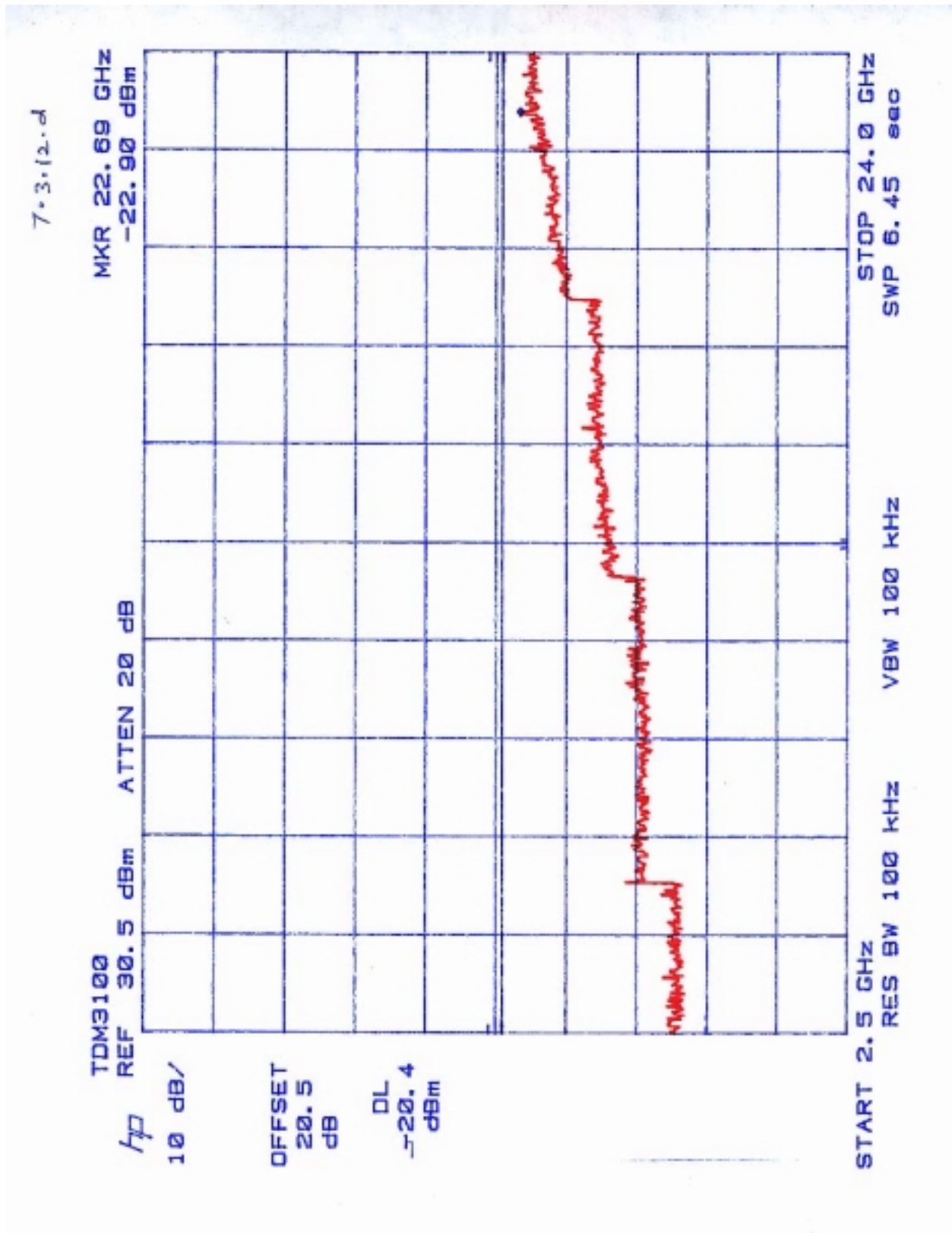
Telian Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30,2000



Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000



Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

8.0 Field Strength of Spurious Radiation, FCC 2.1053

8.1 Test Procedure

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT.

The frequency range up to tenth harmonic of each of the three fundamental frequency (low, middle, and high channels) was investigated.

The spurious emissions attenuation was calculated as the difference between Field strength in dBuV/m at the fundamental frequency (See Section 3) and at the spurious emissions frequency.

8.2 Test Equipment

EMCO 3115 Horn Antenna
HP 8566B Spectrum Analyzer
Tektronix 2782 Spectrum Analyzer
Low Pass Filter
Preamplifier

8.3 Test Results

Test Result:	Passed, refer to the attached
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Data Sheet No	Description
8.3.a	Radiated Emissions FCC 15B
8.3.b	Radiated Emissions Reciever LO & Harmonics
8.3.c	Radiated Emissions Harmonics, AMPS Low Channel
8.3.d	Radiated Emissions Harmonics, AMPS Mid Channel
8.3.e	Radiated Emissions Harmonics, AMPS High Channel
8.3.f	Radiated Emissions Harmonics, TDMA Low Channel
8.3.g	Radiated Emissions Harmonics, TDMA Mid Channel
8.3.h	Radiated Emissions Harmonics, TDMA High Channel
8.3.i	Radiated Emissions, Harmonics PCS Band Low channel
8.3.j	Radiated Emissions, Harmonics PCS Band Mid channel
8.3.k	Radiated Emissions, Harmonics PCS Band High channel

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

8.3.9

Radiated Emissions Test Data												
Company: Wireless link				Model #: TDM-3100				Standard		FCC Part 15B		
EUT: Cell Phone TDM-3100				S/N #: 089				Limits		2		
Project #: J20028710				Test Date: Oct 30, 2000				Test Distance		3 meters		
Test Mode: Normal				Engineer: Suresh				Duty		0 dB		
Antenna Used		Pre-Amp Used		Cable Used		Transducer Used						
Number	0	7	0	7	0	0	0	0	0	0	0	0
Model	DMC	SM-LPA	None	DMC-10	None	None	GM-M/L	None	None	None	None	None
Frequency	Reading	Detector	Ant	Amp	Ant. Pol.	Ant. Factor	Pre-Amp	Insert Loss	D.C.F.	Net	Limit	Margin
MHz	dBm	AVG	A	A	H/V	dBi/m	dB	dB	dB	dBm	dBm	dB
32.76	47.3	OP	9	7	V	11.2	36.5	0.5	0.0	22.5	40.0	-17.5
38.87	55.3	Peak	9	7	V	10.4	36.5	0.5	0.0	29.7	40.0	-10.3
131.05	53.8	Peak	9	7	V	13.2	36.7	1.5	0.0	31.6	43.5	-11.9
226.30	52.8	Peak	9	7	V	15.8	37.4	1.8	0.0	33.0	46.0	-13.0
137.10	44.4	Peak	9	7	H	12.0	36.7	1.5	0.0	22.1	43.5	-21.4
388.70	44.9	Peak	7	7	V	15.8	36.9	2.3	0.0	26.1	46.0	-19.9
360.50	46.5	Peak	7	7	V	16.9	36.9	2.3	0.0	28.8	46.0	-17.2
950.18	39.7	OP	7	7	V	23.5	34.2	4.2	0.0	33.2	46.0	-12.8
Notes:												
a) D.C.F.: Distance Correction Factor												
b) Insert Loss (dB) = Cable A + Cable B + Cable C												
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss - Transducer Loss - Duty Relaxation (transmitter only)												
d) Negative signs (-) in Margin column signify levels below the limits.												
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.												

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

8-3-b

Radiated Emissions Test Data													
Company: Wireless Link Inc		Model #: TDM-3100		Standard: FCC 47 CFR		Limits: 2							
EUT: Cell Phone		S/N #: 088		Test Date: Nov 7, 2000		Test Distance: 3		meters					
Project #: J20028710		Test Mode: Normal		Engineer: Suresh		Duty Relaxation:		0		dB			
Antenna Used		Pre-Amp Used		Cable Used		Transducer Used							
Number: 2 14 7		5 8 0		21 0 0		0							
Model: EMC-3143 EMC-3115 EMC-Low-25 CCI-P993 CCI-P990 None		Gm-Mil None None None											
Frequency MHz	Reading dBm	Detector	Ant. #	Amp. #	Ant. Pol.	Ant. Factor dB(3m)	Pre-Amp dB	Insert Loss dB	D.C.F. dB	Net dB(W/m)	Limit dB(W/m)	Margin dB	
958.68	20.9	Peak	7	5	V	23.8	9.4	2.3	0.0	37.6	54.0	-16.4	
1977.20	25.9	Peak	14	8	V	28.6	29.2	2.2	0.0	25.5	54.0	-28.5	
1001.19	30.2	Peak	14	8	V	28.2	30.3	2.3	0.0	28.4	54.0	-25.6	
2002.30	24.8	Peak	14	8	V	30.1	29.1	2.3	0.0	28.1	54.0	-25.9	
1013.51	26.4	Peak	14	8	V	26.2	30.3	2.3	0.0	24.6	54.0	-29.4	
2027.20	25.1	Peak	14	8	V	30.1	29.1	2.3	0.0	28.4	54.0	-25.6	
PC8													
2108.60	35.3	Peak	14	8	V	30.1	29.1	2.3	0.0	38.6	54.0	-15.4	
4219.20	28.9	Peak	14	8	V	34.2	27.9	2.9	0.0	38.1	54.0	-15.9	
2079.66	36.6	Peak	14	8	V	30.1	29.1	2.3	0.0	39.9	54.0	-14.1	
4159.30	28.3	Peak	14	8	V	34.2	27.9	2.9	0.0	37.5	54.0	-16.5	
2049.72	35.4	Peak	14	8	V	30.1	29.1	2.3	0.0	38.7	54.0	-15.3	
4129.30	27.0	Peak	14	8	V	34.2	27.9	2.9	0.0	36.2	54.0	-17.8	
Notes:													
a) D.C.F. Distance Correction Factor													
b) Insert Loss (dB) = Cable A + Cable B + Cable C													
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss - Transducer Loss - Duty Relaxation (transmitter only)													
d) Negative signs (-) in Margin column signify levels below the limits.													
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.													

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTD-3100

Date of Test: November 6-7, 28-30, 2000

8-3-C

Radiated Emissions Test Data

Company:	Wireless Link	Model #:	TDM - 3810	Reg:	FCC 2.983
EUT:	Cell Phone	S/N or FCC #:	089	Test Dist:	3 meter
Project #:	J20028710	Test Date:	November 8, 2000	TP:	0.25 Watt
Test Mode:	Tx @ 824.04MHz AMPS	Engineer:	Suresh	Min. Ant:	0.01 dBc

Antenna Used	Pre-Amp Used	Cable Used	Transducer Used
Number: 14 7 12 8 3 13 21 0 0 0			
Model: EMC0 EMLEA-25 EMC0 DDT-P100 MC-15042 ACCV100 DCS-M/L None None None			

Frequency MHz	Reading dBμV	Detector	Ant. Amp. dB	Ant. Pol. H/V	Ant. Factor dB/m	Pre-Amp dB	Insert Loss dB	Net dBμV/m	ERP mW	Attn. dBc	Margin dB
824.04	103.7	Peak	7 0	V	21.9	0.0	2.0	127.6	1.05E+03	0.0	N/A
1648.08	34.4	Peak	14 0	V	26.6	0.0	3.0	64.0	4.59E-04	63.6	-26.8
2472.10	46.0	Peak	14 8	V	30.1	28.5	2.3	49.9	1.79E-05	77.7	-40.7
3296.10	29.1	Peak	14 8	V	31.3	27.9	2.5	35.0	5.78E-07	92.6	-55.6
4120.10	27.6	Peak	14 8	V	34.2	27.9	2.9	36.8	8.76E-07	90.8	-53.8
4944.20	27.5	Peak	14 8	V	33.9	28.1	3.2	36.5	8.17E-07	91.1	-54.1
5768.20	28.6	Peak	14 8	V	36.1	28.3	3.7	40.1	1.87E-06	87.5	-50.5
6592.20	36.8	Peak	14 8	V	36.4	28.0	4.2	49.4	1.59E-05	78.2	-41.2
7416.30	36.1	Peak	14 8	V	38.0	28.0	4.3	50.4	2.01E-05	77.2	-40.2
8240.40	35.2	Peak	14 8	V	37.9	27.2	4.8	50.7	2.15E-05	76.9	-39.9

Notes:
a) D.C.F. - Other Correction Factor
b) Insert Loss = Cable A + Cable B + Cable C + Transducer
c) Net = Reading + Antenna Factor - Pre-Amp + Insert Loss
d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics)
e) Negative signs (-) in Margin column signify levels below the limits.

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTD-3100

Date of Test: November 6-7, 28-30, 2000

8-3-00

Radiated Emissions Test Data												
Company:	Wireless Link				Model #:	TDMA - 3610			Reg:	FCC 2.999		
EUT:	Cell Phone				S/N or FCC #:	089			Test Date:	3		
Project #:	J20028710				Test Date:	November 6, 2000			ET	0.25		
Test Mode:	Tx@835.65 MHz AMPS				Engineer:	Gursah.			Min. Ants:	35.99		
Antenna Used:	14				Pre-Amp Used:	0			Cable Used:	0		
Number:	14				Model:	SMP-3116			Transducer Used:	0		
Model:	SMP-3116				Antenna:	None			Cable:	None		
Frequency (MHz)	Reading (dBm)	Details	Ant. Imp.	Ant. Pol.	Ant. Factor	Pre-Amp	Insert Loss	Net	EBB	Attn.	Margin	
835.55	104.3	Peak	7 0	V	22.2	0.0	2.0	128.5	1.30E+03	0.0	N/A	
1673.10	47.3	Peak	14 0	V	26.0	0.0	3.0	76.9	8.96E-03	51.6	-14.6	
2509.65	35.5	Peak	14 8	V	30.4	26.5	2.3	39.7	1.71E-06	88.5	-51.8	
3346.20	29.1	Peak	14 8	V	31.3	27.8	2.5	35.0	5.78E-07	93.5	-56.5	
4182.75	27.8	Peak	14 8	V	34.2	27.9	2.9	36.7	8.56E-07	91.5	-54.6	
5019.30	27.8	Peak	14 8	V	35.4	26.3	3.6	38.4	1.27E-06	90.1	-53.1	
5855.85	36.6	Peak	14 8	V	36.1	28.3	3.7	48.1	1.18E-06	80.4	-43.4	
6692.40	38.6	Peak	14 8	V	36.4	28.0	4.2	48.5	1.33E-05	79.0	-42.0	
7528.95	36.5	Peak	14 8	V	37.8	28.0	4.6	60.9	2.25E-06	77.6	-40.6	
8365.50	36.7	Peak	14 8	V	37.9	27.2	4.8	52.2	3.04E-05	76.3	-39.3	
Notes: a) O.C.F.: Other Correction Factor b) Insert Loss = Cable A + Cable B + Cable C + Transducer. c) Net = Reading + Antenna Factor + Pre-Amp + Insert Loss. d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics) e) Negative signs (-) in Margin column signify levels below the limits.												

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTD-3100

Date of Test: November 6-7, 28-30, 2000

8-3-2

Radiated Emissions Test Data													
Company:	Wireless Link				Model #:	TDM - 3810				Reg:	FCC 2.593		
EUT:	Cell Phone				S/N or FCC #:	059				Test Dir/L:	3 meter		
Project #:	J20028710				Test Date:	November 6, 2000				TP:	0.25 W/m		
Test Mode:	Tx @ 848.97 MHz AMPS				Engineer:	Suresh				Max. Attn:	30.5dB dBi		
Antenna Used:	14 7 0				Pre-Amp Used:	0 0 0				Cable Used:	21 0 0		
Model:	EMC-28				Pre-Amp:	None				Cable:	None		
Frequency, MHz	Reading, dBµV	Detector	Ant. #	Amp. #	Ant. Pol.	Ant. Factor, dB(m)	Pre-Amp, dB	Insert Loss, dB	Net, dBµV/m	ERP, µW	Attn, dB	Margin, dB	
848.97	102.9	Peak	7	0	V	22.0	0.0	2.0	128.9	8.98E+02	0.0	N/A	
1697.94	36.6	Peak	14	0	V	26.8	0.0	3.0	66.2	7.63E-04	60.7	-23.7	
2546.91	35.3	Peak	14	8	V	30.4	26.5	2.3	39.5	1.63E-06	87.4	-50.4	
3395.88	27.4	Peak	14	8	V	31.3	27.9	2.5	33.3	3.91E-07	93.6	-56.6	
4244.85	27.7	Peak	14	8	V	34.2	27.9	2.9	36.9	8.96E-07	90.0	-53.0	
5093.82	27.7	Peak	14	8	V	35.4	26.3	3.5	38.3	1.24E-06	88.6	-51.6	
5942.79	38.5	Peak	14	8	V	36.1	26.3	3.7	48.0	1.15E-05	78.9	-41.9	
6791.76	35.8	Peak	14	8	V	36.4	28.0	4.2	48.4	1.27E-05	78.5	-41.5	
7640.73	38.4	Peak	14	8	V	37.0	27.8	4.6	51.0	2.36E-05	75.9	-38.9	
8489.70	38.3	Peak	14	8	V	37.9	27.1	4.8	53.9	4.49E-05	73.0	-36.0	
Notes: a) O.C.F. - Other Correction Factor b) Insert Loss = Cable A + Cable B + Cable C + Transducer. c) Net = Reading + Antenna Factor - Pre-Amp + Insert Loss. d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics). e) Negative signs (-) in Margin column signify levels below the limits.													

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

8-3-4

Radiated Emissions Test Data													
Company:	Wireless Link				Model #:	TDM - 3810				Reg:	FCC 2.993		
EUT:	Cell Phone				S/N or FCC #:	055				Test Dist:	3	meters	
Project #:	J20028710				Test Date:	November 7, 2000				TP	0.60	Watts	
Test Mode:	Tx@824.04 MHz TDMA				Engineer:	Suresh				Min. Antn:	40.75	dBc	

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTD-3100

Date of Test: November 6-7, 28-30, 2000

8-3-9

Radiated Emissions Test Data

Company:	Wireless Link	Model #:	TDMA - 3810	Reg:	FCC 2.993
EUT:	Cell Phone	S/N or FCC #:	080	Test Dist:	3 meter
Project #:	J20028710	Test Date:	November 7, 2000	ERP:	0.60 Watts
Test Mode:	TX @ 838.55 MHz TDMA	Engineer:	Suresh	Min. Ant.:	35.70 dBS

Antenna Used	Pre-Amp Used	Cable Used	Transducer Used
14 7 12	0 3 13	21 0 0	0
Model: EMC-3115 OM CPA	EMCC 3100	NC 12542	ACO400
		Gr. AHC	None

Frequency MHz	Reading dBuV	Detector	Ant. Amp dB	Ant. Pol H/V	Ant. Factor dBuV	Pre-Amp dB	Insert Loss dB	Net dBuV	ERP W	Att. dB	Margin dB
836.55	103.5	Peak	7 0	V	22.2	0.0	2.0	127.7	1.09E+03	0.0	N/A
1673.10	40.3	Peak	14 0	V	25.6	0.0	3.0	69.9	1.79E-03	57.8	-17.0
2509.85	41.1	Peak	14 8	V	30.4	28.5	2.3	45.3	6.20E-06	82.4	-41.6
3346.20	31.0	Peak	14 8	V	31.3	27.9	2.5	36.9	8.96E-07	90.8	-50.0
4162.75	29.2	Peak	14 8	V	34.2	27.9	2.9	38.4	1.27E-06	89.3	-48.5
5019.30	28.3	Peak	14 8	V	35.4	28.3	3.5	38.9	1.42E-06	88.8	-48.0
5855.85	35.9	Peak	14 8	V	35.1	28.3	3.7	47.4	1.01E-05	80.3	-39.5
6692.40	37.3	Peak	14 8	V	36.4	28.0	4.2	49.9	1.79E-05	77.8	-37.0
7528.95	35.3	Peak	14 8	V	37.8	28.0	4.5	50.7	2.15E-05	77.0	-36.2
8365.50	36.8	Peak	14 8	V	37.9	27.2	4.8	52.3	3.11E-05	75.4	-34.6

Notes:	a) O.C.F. - Other Correction Factor
	b) Insert Loss = Cable A + Cable B + Cable C + Transducer
	c) Net = Reading + Antenna Factor - Pre-Amp + Insert Loss
	d) Att. = Field Strength (Fundamental) - Field Strength (Harmonics)
	e) Negative signs (-) in Margin column signify levels below the limits.

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

[illegible]

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTD-3100

Date of Test: November 6-7, 28-30, 2000

Radiated Emissions Test Data

Company:	Wireless Link	Model #:	TDM - 3810	Req:	FCC 2.103
EUT:	Cell Phone	S/N or FCC #:	089	Test Date:	3
Project #:	J20028710	Test Date:	November 8, 2000	Min. Adj:	0.60
Test Mode:	Typ 1579.95MHz PCS (TDMA)	Engineer:	Suresh		90s

Antenna Used	Pre-Amp Used	Cable Used	Transducer Used
Number: 14 7 21	8 10 13	21 0 0	0
Model: EMC-3115 EM (PA-22)	ODE-1105 AET-0555 ACD-400	CM-M04 None None	None

Frequency	Reading	Detected	Ant	Ant	Ant	Ant	Pre-Amp	Insert	Net	ERP	Antn	Margin
MHz	dBm	FA/O	2	4	10V	dB/1m	dB	dB	dBm	W	dB	dB
1678.98	90.9	Peak	-	-	-	-	-	-	120.5	2.10E+02	-	-
3757.98	61.4	Peak	14	8	V	32.5	27.8	2.7	65.8	1.39E-03	51.8	-11.0
5636.94	28.6	Peak	14	8	V	36.1	28.3	3.7	40.1	1.67E-05	80.5	-39.7
7515.92	40.1	Peak	14	8	V	37.8	28.0	4.6	54.5	5.16E-05	65.1	-25.3
9394.90	45.5	Peak	14	8	V	40.2	27.0	4.7	63.4	4.00E-04	57.2	-16.4
11273.88	46.9	Peak	14	10	V	40.7	38.9	5.6	53.3	3.91E-05	67.3	-26.5
13152.86	39.8	Peak	14	10	V	40.7	38.2	6.1	47.4	1.01E-05	73.2	-32.4
15031.84	42.2	Peak	14	10	V	42.5	38.3	6.8	53.2	3.79E-05	67.4	-26.7
16910.82	40.8	Peak	14	10	V	41.3	39.4	7.2	49.9	1.79E-05	70.7	-29.9
18789.80	45.8	Peak	21	10	V	40.2	38.1	7.6	57.5	1.03E-04	63.1	-22.3

Notes:

- a) O.C.F.: Other Correction Factor
- b) Insert Loss = Cable A + Cable B + Cable C + Transducer.
- c) Net = Reading - Antenna Factor - Pre-Amp - Insert Loss.
- d) Antn = Field Strength (Fundamental) - Field Strength (Harmonics).
- e) Negative signs (-) in Margin column signify levels below the limits.

A

1365 Adams Court, Menlo Park, CA 94025

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

8-3-k

Radiated Emissions Test Data												
Company: Wireless Link				Model #: TDM - 3810				Reg: FCC 2.883				
EUT: Cell Phone				S/N or FCC #: 089				Test Opt: 3		Method: A		
Project #: J20028710				Test Date: November 7, 2000				TP: 0.60		Wait: 1		
Test Mode: Tx @ 1909.97MHz PCS (TDMA)				Engineer: Suresh				Max. Adj: 20.28		Obs: 0.00		
Antenna Used:			Pre-Amp Used:			Cable(s) Used:			Transducer Used:			
Number:	14	7	21	8	10	13	21	0	0	0		
Model:	BMCC-M18	BM	3100-2	ODI-P100	AST-15005	ACU4000	OML-M11	None	None	None		
			BA-25	0								
Frequency MHz	Reading dBµV	Detected or Peak	Ant Amp #	Ant. Pol H/V	Ant Factor dB(1m)	Pre-Amp dB	Insert Loss dB	Net dB(1m) 2	FACTOR nW	Adm. dBs	Margin dB	
1909.97	87.4	Peak	-	-	-	-	-	119.2	7.63E+01	-	-	
3819.04	55.2	Peak	14	8	V	32.5	27.8	2.7	62.6	3.33E-04	53.6	-12.8
5729.81	28.7	Peak	14	8	V	36.1	28.3	3.7	40.2	1.92E-05	76.0	-35.2
7639.88	41.9	Peak	14	8	V	37.8	27.8	4.8	56.5	8.17E-05	59.7	-18.9
9549.85	54.9	Peak	14	8	V	38.3	27.3	5.0	70.9	2.25E-03	45.3	-4.5
11459.82	55.1	Peak	14	10	V	40.7	39.9	5.0	61.5	2.58E-04	54.7	-13.9
13369.79	40.2	Peak	14	10	V	40.7	39.2	6.1	47.8	1.10E-05	65.4	-27.6
15279.76	42.7	Peak	14	10	V	42.5	38.3	6.8	53.7	4.25E-05	62.5	-21.8
17189.73	41.9	Peak	14	10	V	42.2	38.8	7.5	52.6	3.49E-05	63.4	-22.6
19099.70	46.0	Peak	21	10	V	40.2	36.1	7.7	57.8	1.10E-04	58.4	-17.8
Notes:												
a) O.C.F. - Other Correction Factor												
b) Insert Loss = Cable A + Cable B + Cable C + Transducer.												
c) Net = Reading + Antenna Factor - Pre-Amp - Insert Loss.												
d) Adm. = Field Strength (Fundamental) - Field Strength (Harmonics).												
e) Negative signs [-] in Margin column signify levels below the limits.												

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

9.0 **Line Conducted Emissions**, FCC 15.107

9.1 Test Procedure

Test Not Applicable

Test procedure described in the ANSI C63.4 Standard was employed.

The EUT was connected to the DC power supply (HP Model No.), that was connected to the AC line through the LISNs.

Both HOT and NEUTRAL leads were tested.

9.2 Test Results - Line Conducted Emissions

Test not applicable as EUT is Battery Operated

Wireless Link Corporation, TDMA/AMPS Cellular Phone
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Date of Test: November 6-7, 28-30, 2000

10.0 **Frequency Stability vs Temperature**, FCC 2.1055, § 22.355 Frequency Tolerance: 2.5 ppm

10.1 Test Procedure

The equipment under test was connected to an external DC power supply and the RF output was connected to a frequency counter via feedthrough attenuators. The EUT was placed inside the temperature chamber. The DC leads, RF output cable, and external PTT cable exited the chamber through an opening made for that purpose.

After the temperature stabilized for approximately 20 minutes, the external PTT switch was activated, and the frequency output was recorded from the counter.

10.2 Test Equipment

Temperature Chamber, -50C to +100C

Hewlett Packard 5383A Frequency Counter

Goldstar DC Power Supply, GR303

Rohde & Schwarz ESVP Test Receiver

10.3 Test Results

Test Result:	Passed
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Tx Frequency: 836.01 MHz

Tolerance: +/- 2091 Hz

Temperature (°C)	Frequency (MHz)	Difference (" Hz)	Output Power (dBm)
60	836.009277	-723	21.20
50	836.010049	49	21.94
40	836.010179	179	22.70
30	836.009917	-83	23.41
20	836.009694	-306	23.73
10	836.009581	-419	24.58
0	836.009806	-194	25.10
-10	836.010738	738	26.06
-20	836.011400	1400	26.66
-30	836.011575	1575	27.43

Note: The measured frequency stability vs. temperature for the US PCS band is identical (% difference) to the above table since the Tx frequency is locked to the same TCXO.

Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

11.0 **Frequency Stability vs Voltage**, FCC 2.1055, 22.355

Frequency Tolerance: 2.5 ppm

11.1 Test Procedure

An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminates; i.e., the battery end point. The output frequency was recorded for each battery voltage.

11.2 Test Equipment

Hewlett Packard 5383A Frequency Counter

DC Power Supply

Rohde & Schwarz ESVP Test Receiver

11.3 Test Results.

Test Result:	Passed
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Tx Frequency: 836.01 MHz

Tolerance: +/- 2091 Hz

Supply (Battery) Volts	Frequency (MHz)	Difference (“ Hz)	Output Power (dBm)
3.4	836.010084	84	25.86
3.6	836.010128	128	26.03
3.9	836.010177	177	26.23
4.5	836.010199	199	26.31



Wireless Link Corporation, TDMA/AMPS Cellular Phone
FCC ID: NPQTDM-3100

Date of Test: November 6-7, 28-30, 2000

12.0 Miscellaneous Comments

None.