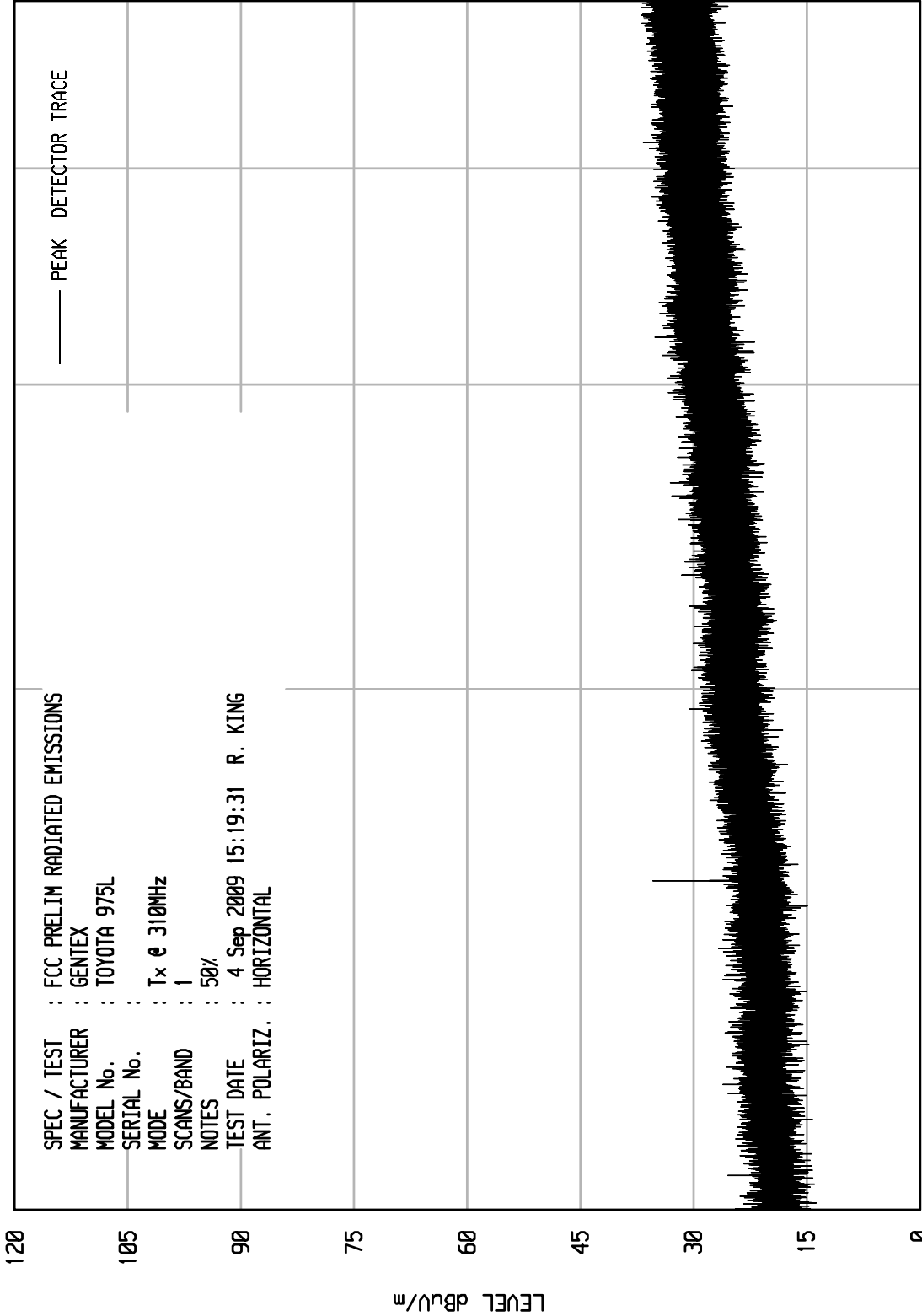


ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 9

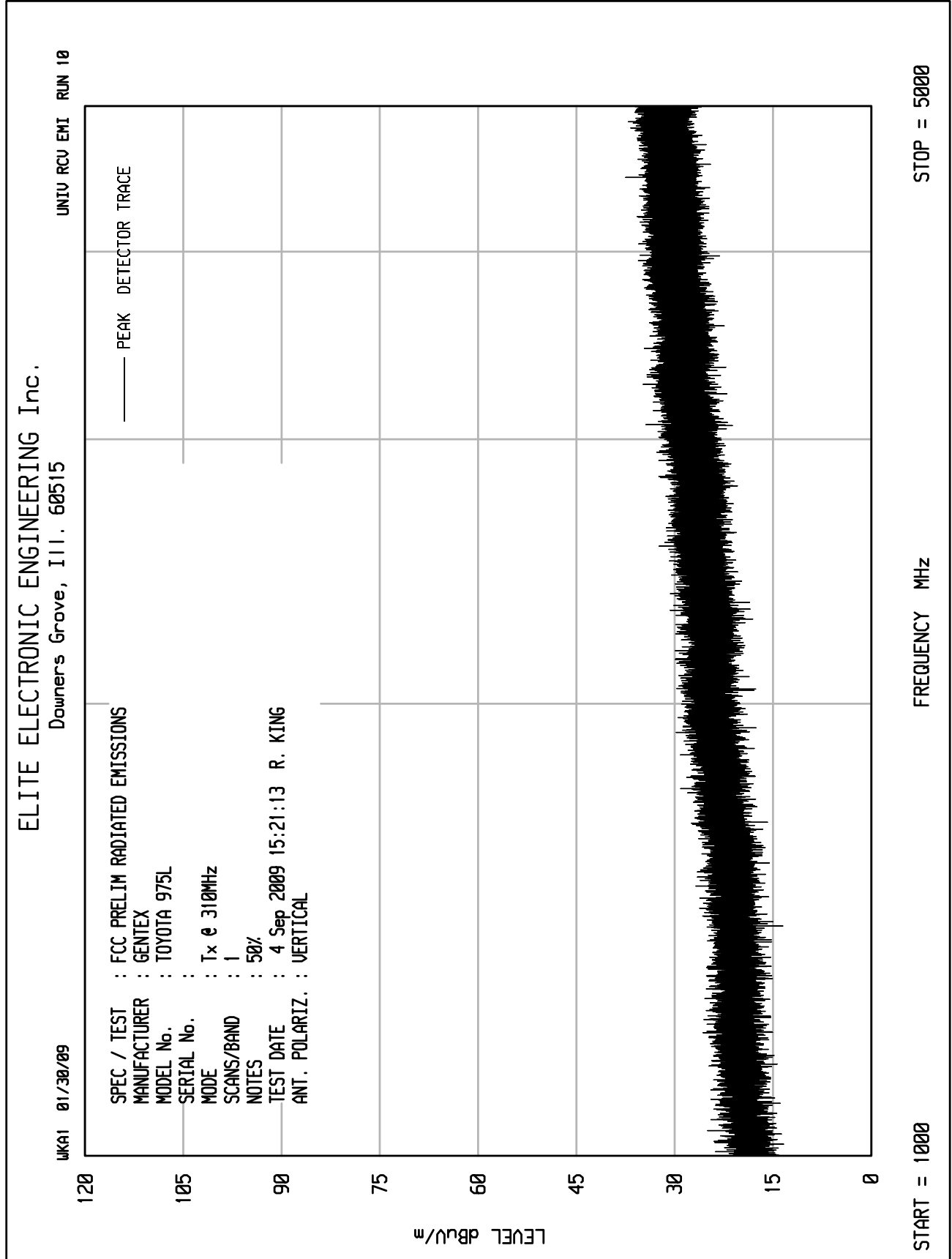
UKA1 01/30/09

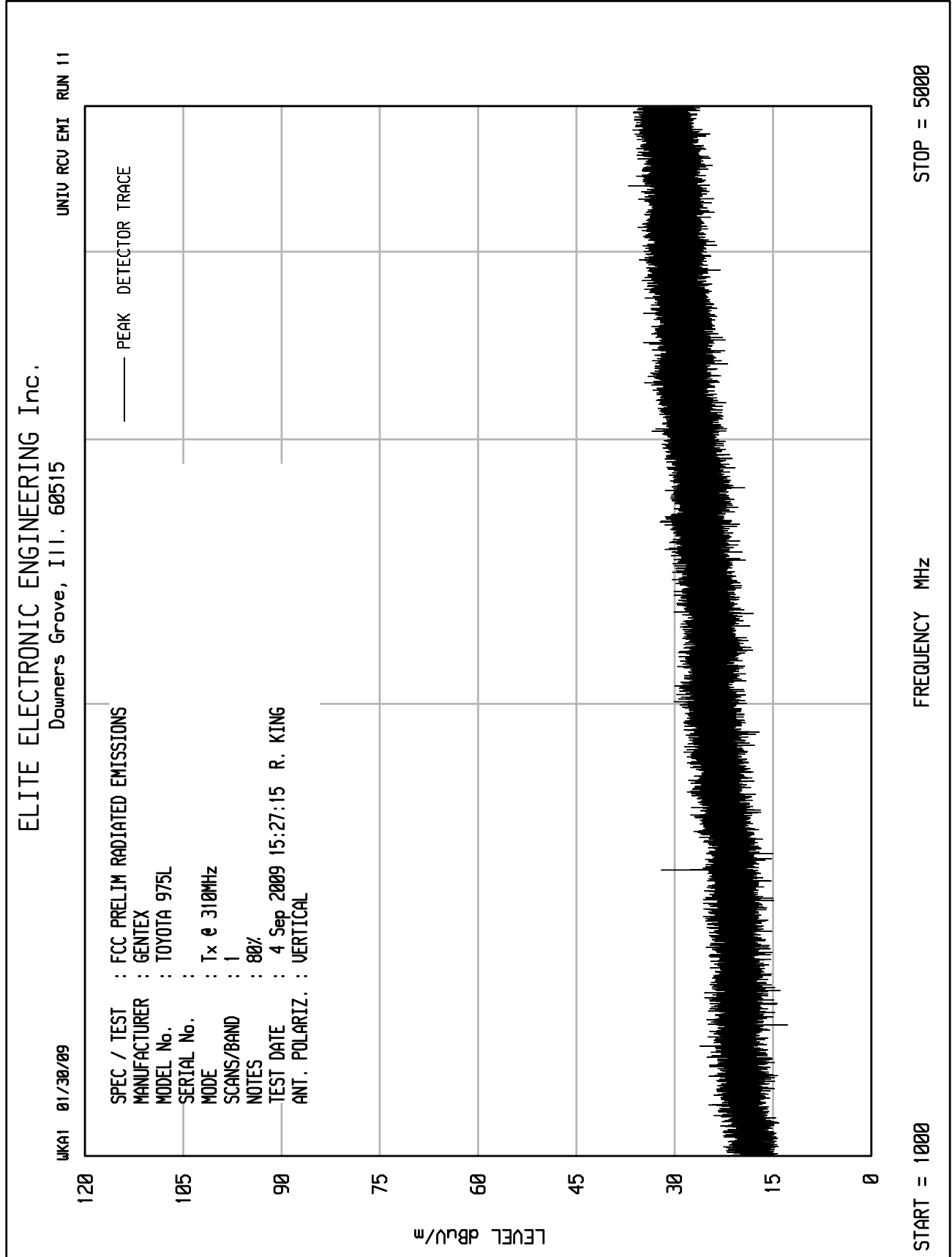


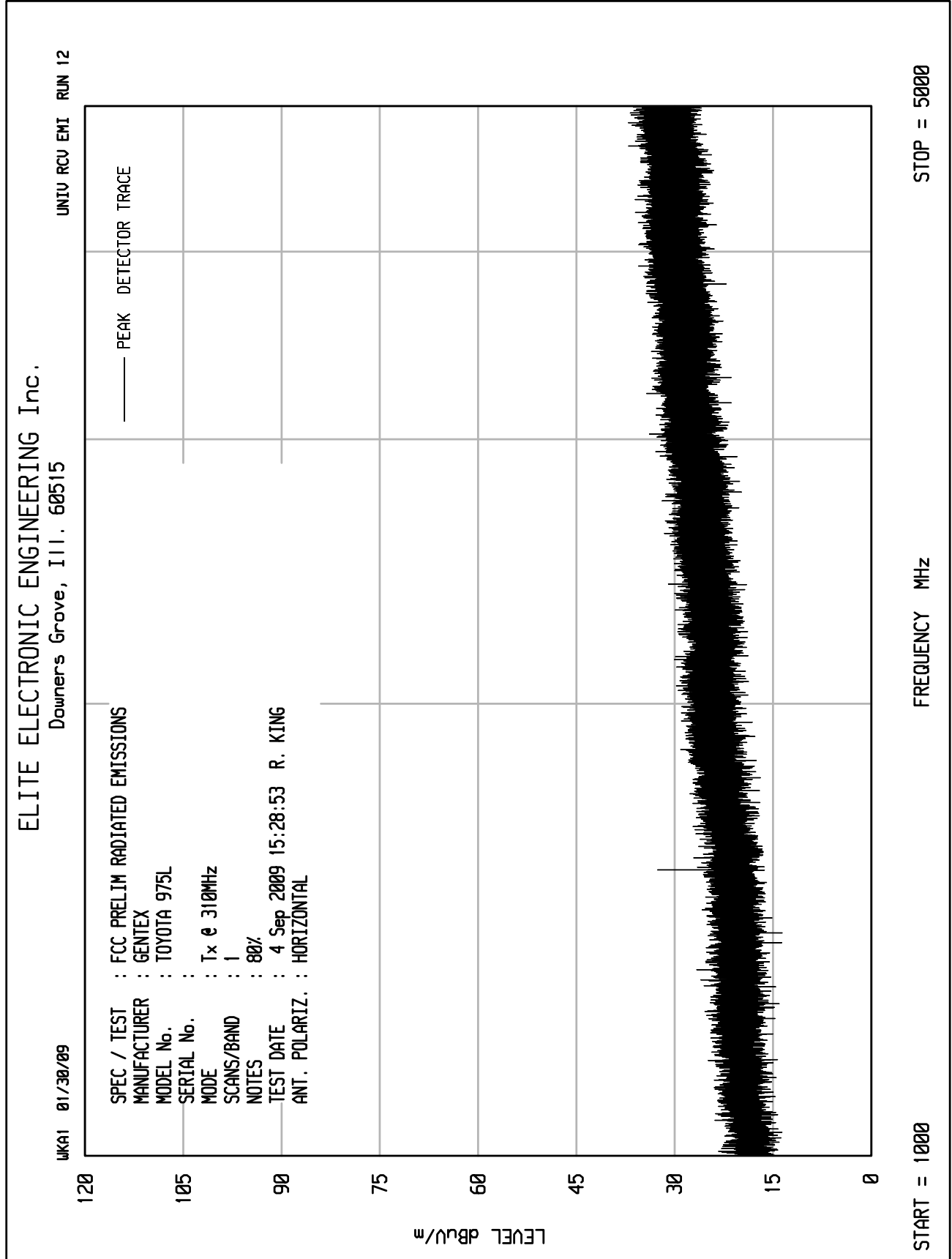
START = 1000

FREQUENCY MHz

STOP = 5000



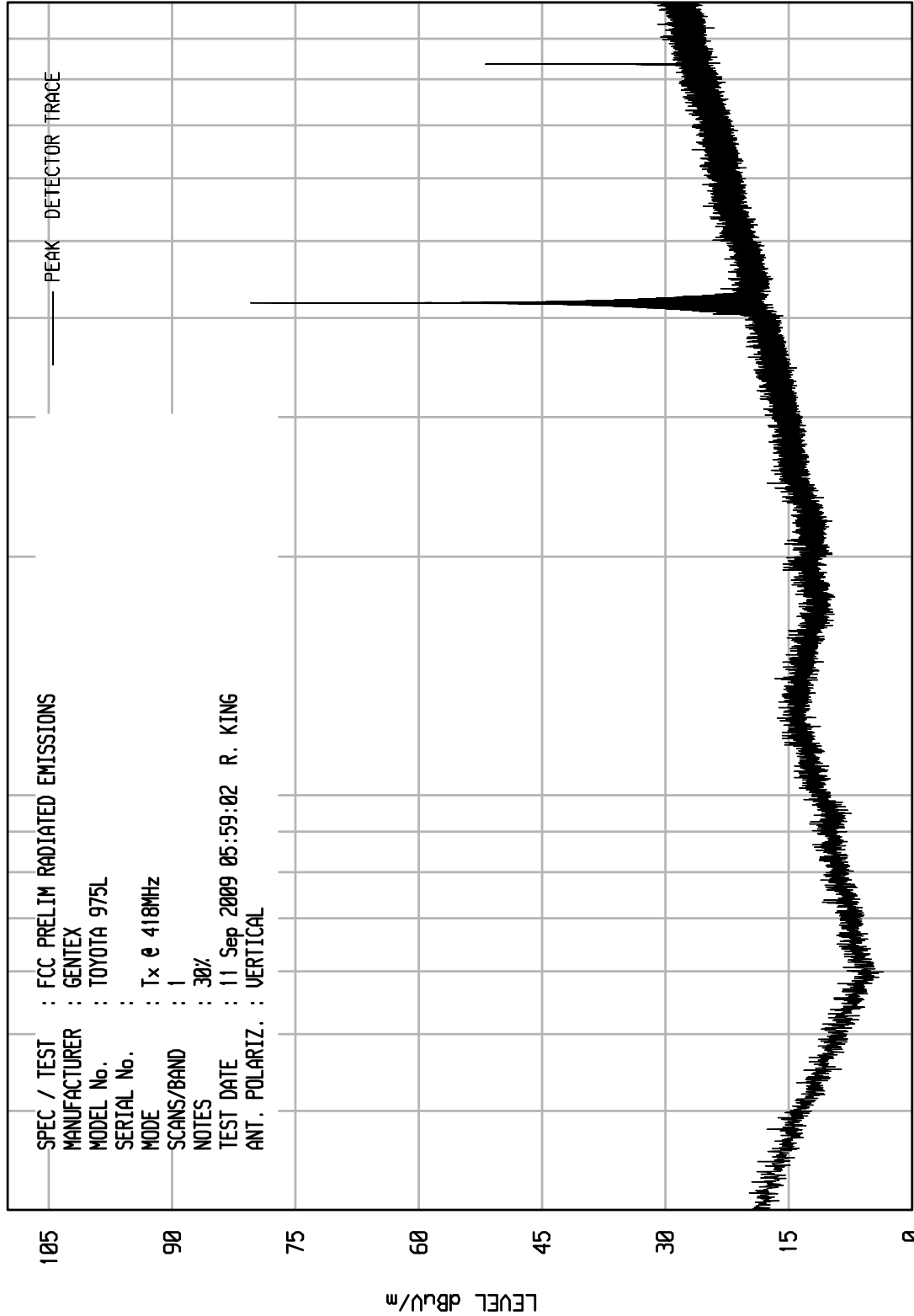




ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 9

UKA1 01/30/09



105

90

75

60

45

30

15

0

LEVEL dBµV/m

— PEAK DETECTOR TRACE

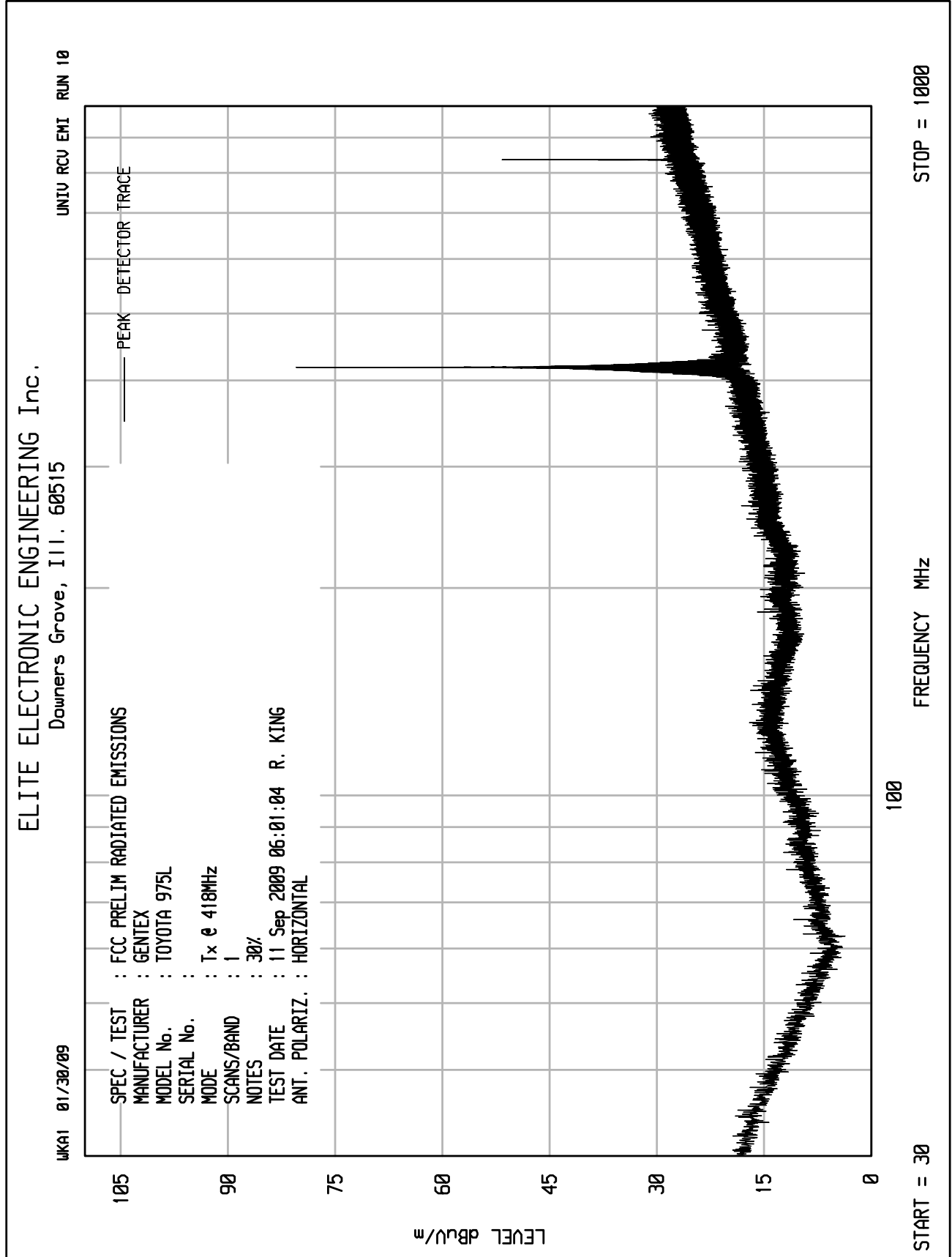
SPEC / TEST : FCC PRELIM RADIATED EMISSIONS  
 MANUFACTURER : GENTEX  
 MODEL No. : TOYOTA 975L  
 SERIAL No. :  
 MODE : Tx @ 418MHz  
 SCANS/BAND : 1  
 NOTES : 30%  
 TEST DATE : 11 Sep 2009 05:59:02 R. KING  
 ANT. POLARIZ. : VERTICAL

START = 30

100

FREQUENCY MHz

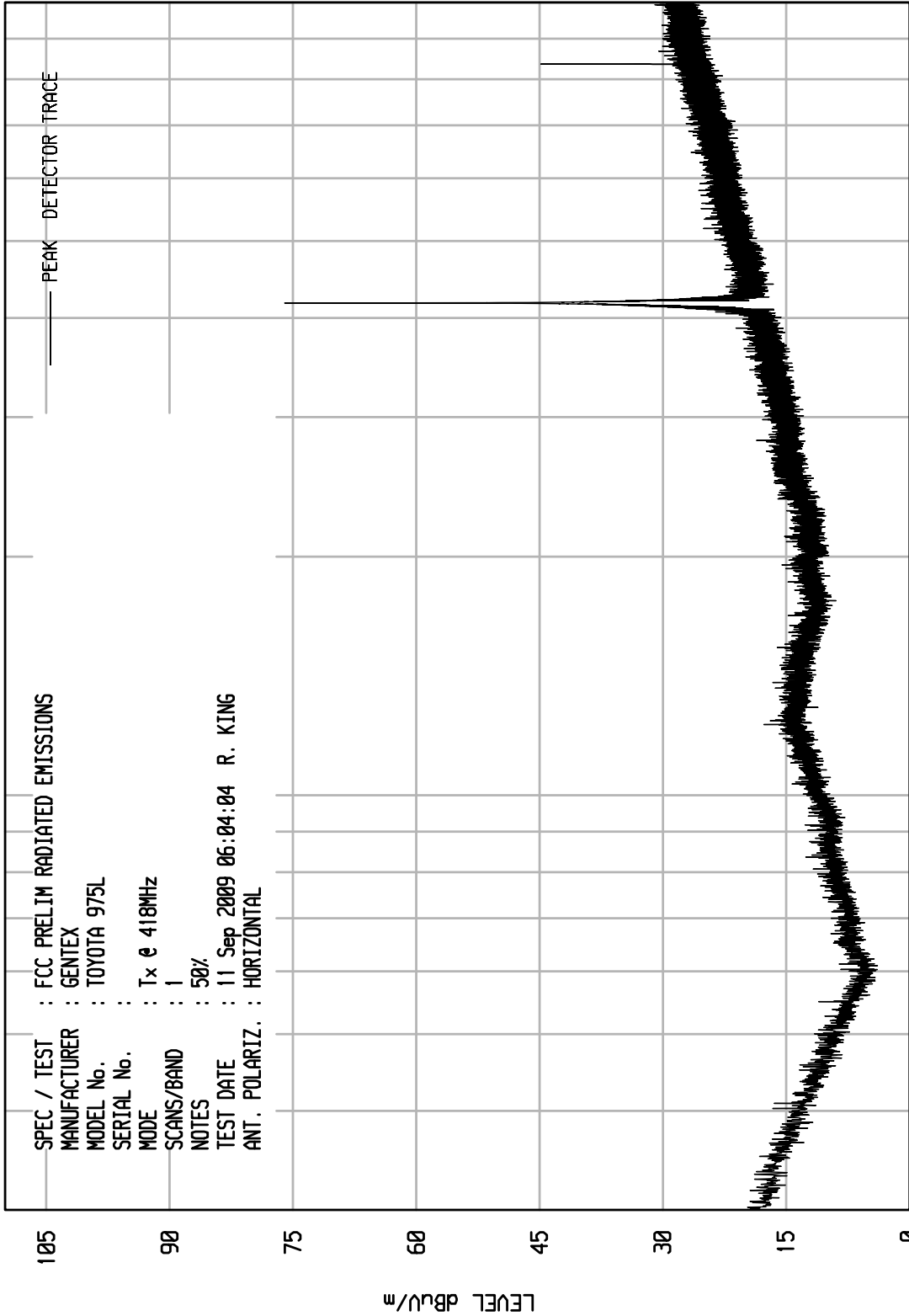
STOP = 1000



ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 11

UKA1 01/30/09



SPEC / TEST : FCC PRELIM RADIATED EMISSIONS  
 MANUFACTURER : GENTEX  
 MODEL No. : TOYOTA 975L  
 SERIAL No. :  
 MODE : Tx @ 418MHz  
 SCANS/BAND : 1  
 NOTES : 50%  
 TEST DATE : 11 Sep 2009 06:04:04 R. KING  
 ANT. POLARIZ. : HORIZONTAL

STOP = 1000

FREQUENCY MHz

100

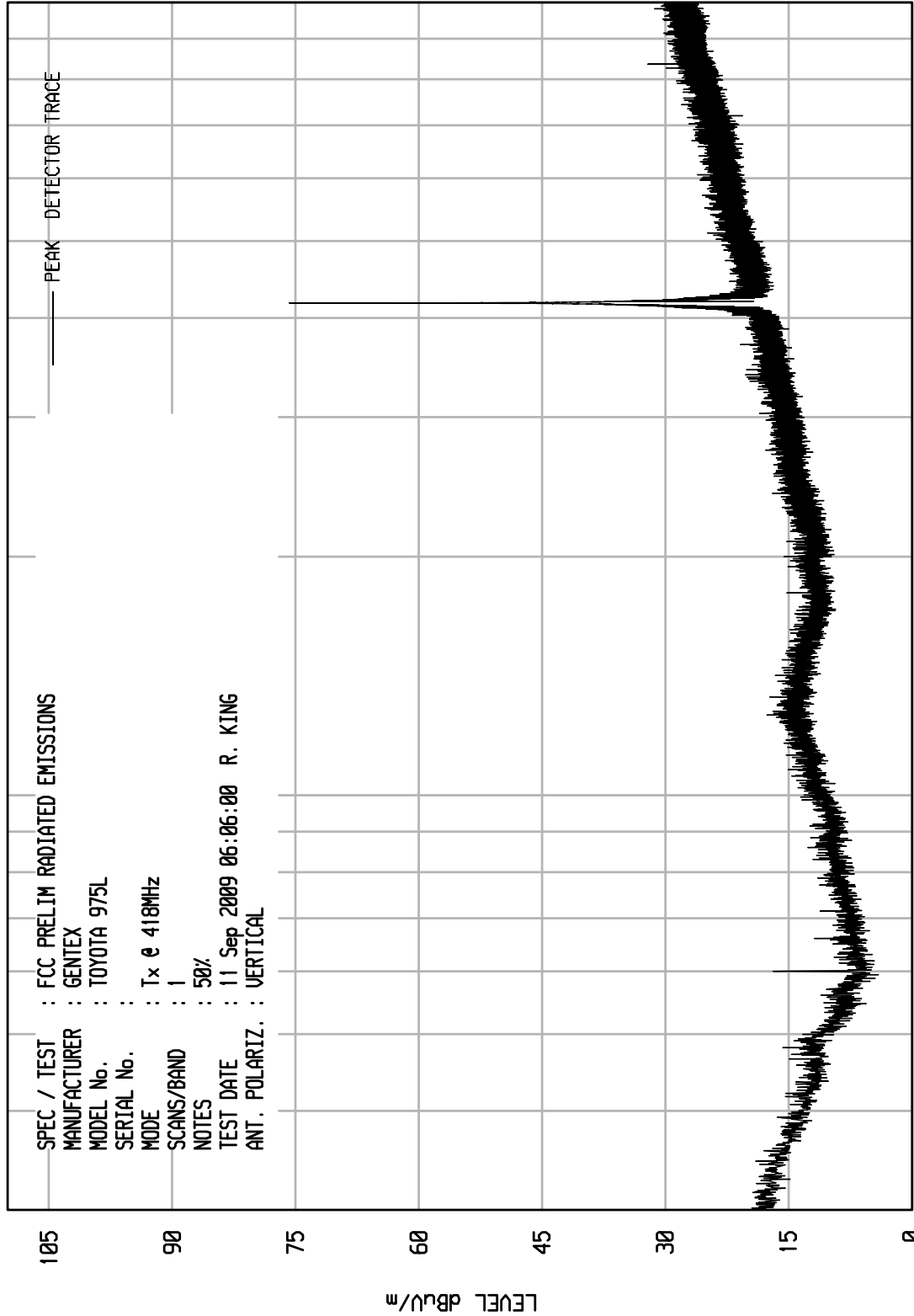
START = 30

LEVEL dBµV/m

ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 12

UKA1 01/30/09



SPEC / TEST : FCC PRELIM RADIATED EMISSIONS  
 MANUFACTURER : GENTEX  
 MODEL No. : TOYOTA 975L  
 SERIAL No. :  
 MODE : Tx @ 418MHz  
 SCANS/BAND : 1  
 NOTES : 50%  
 TEST DATE : 11 Sep 2009 06:06:00 R. KING  
 ANT. POLARIZ. : VERTICAL

105  
 90  
 75  
 60  
 45  
 30  
 15  
 0  
 LEVEL dBµV/m

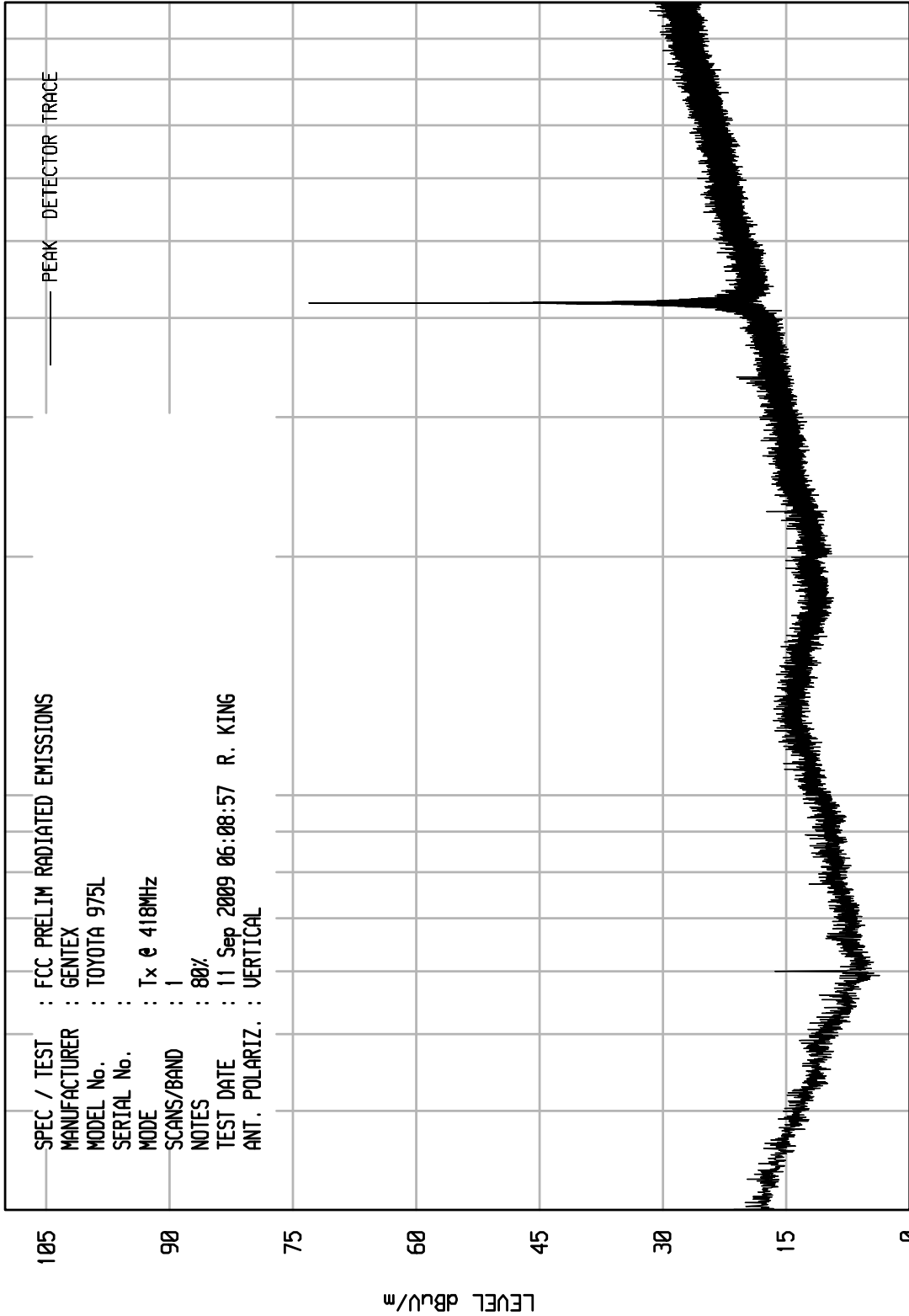
START = 30  
 100  
 FREQUENCY MHz  
 STOP = 1000



ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 13

UKA1 01/30/09



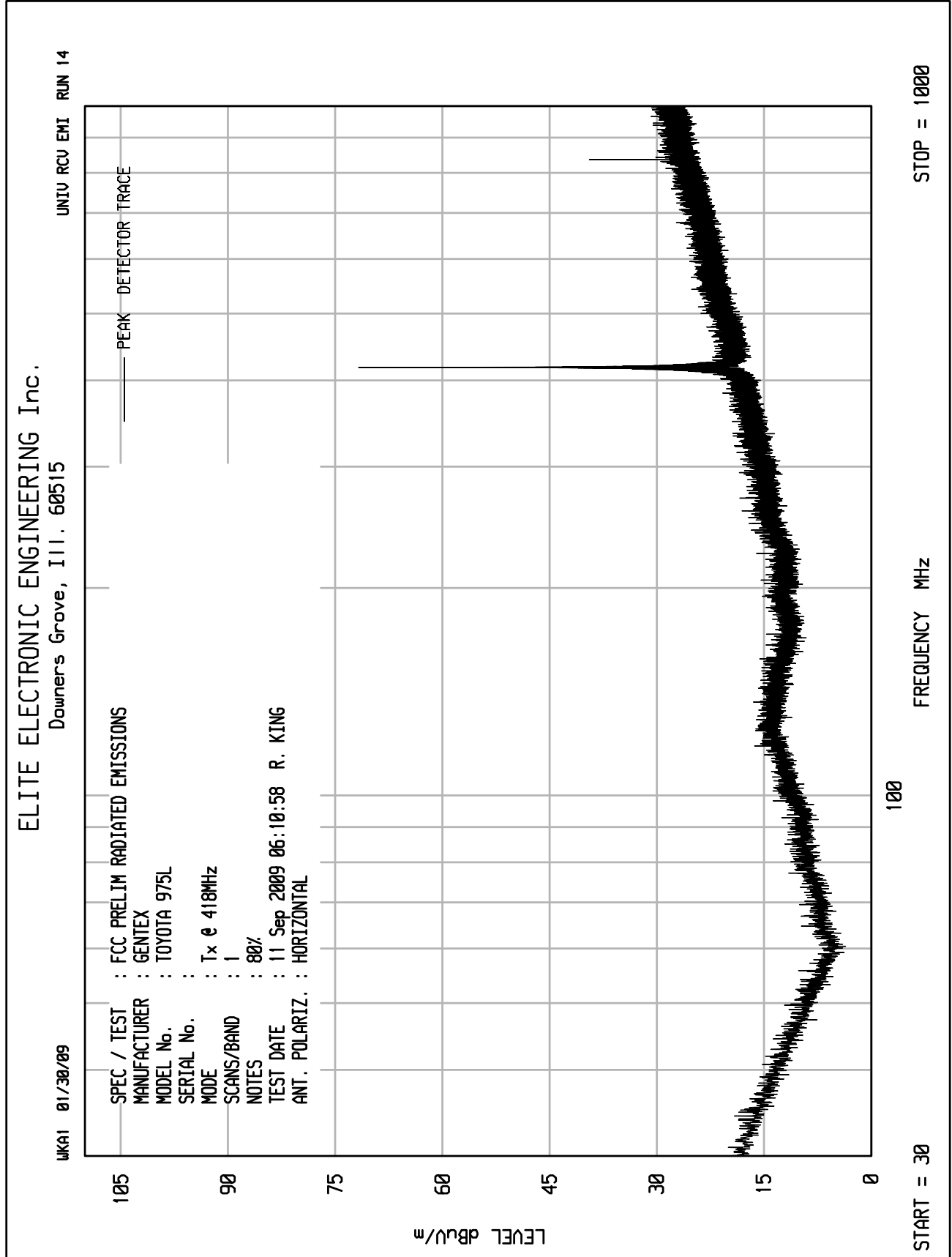
105  
90  
75  
60  
45  
30  
15  
0

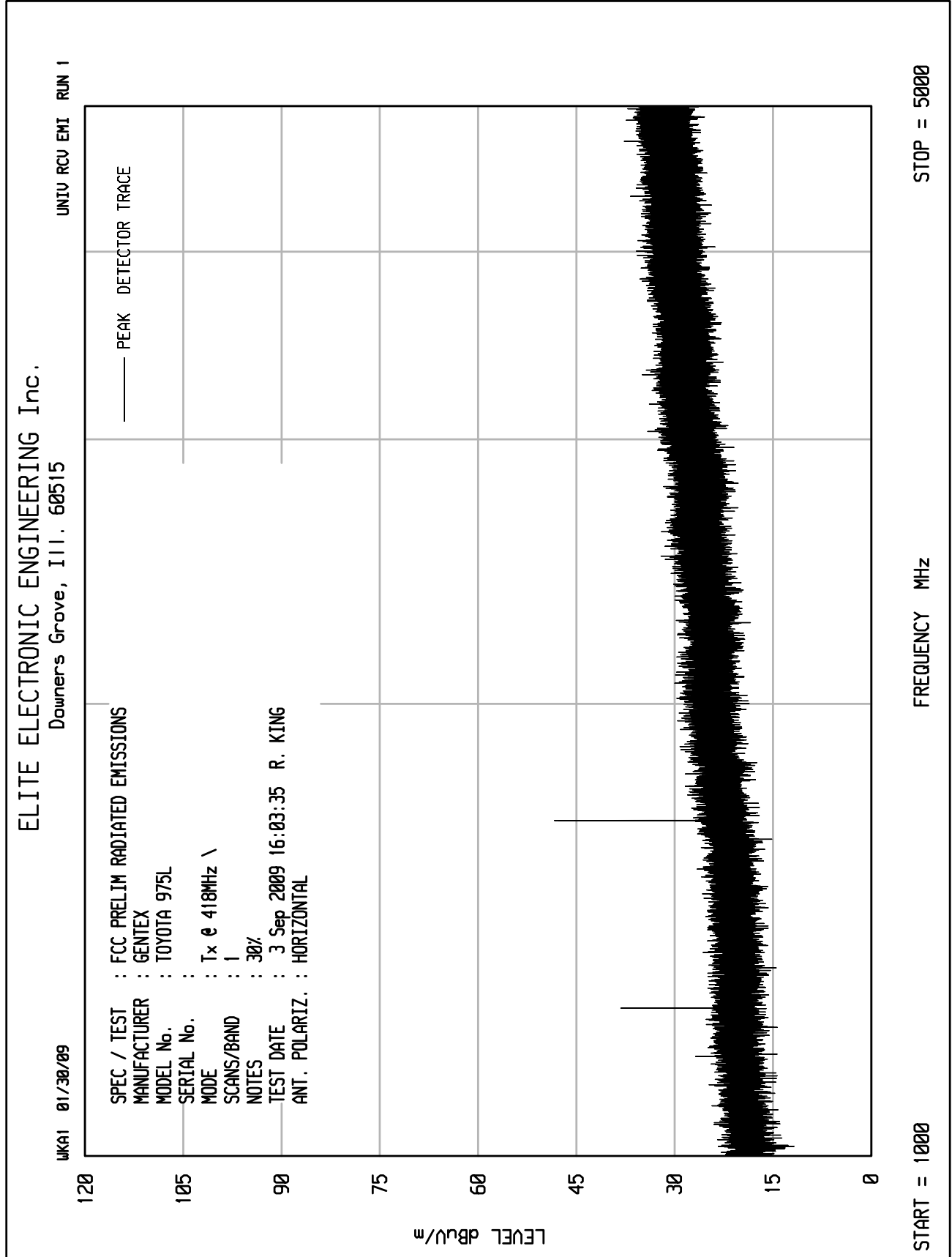
LEVEL dBµV/m

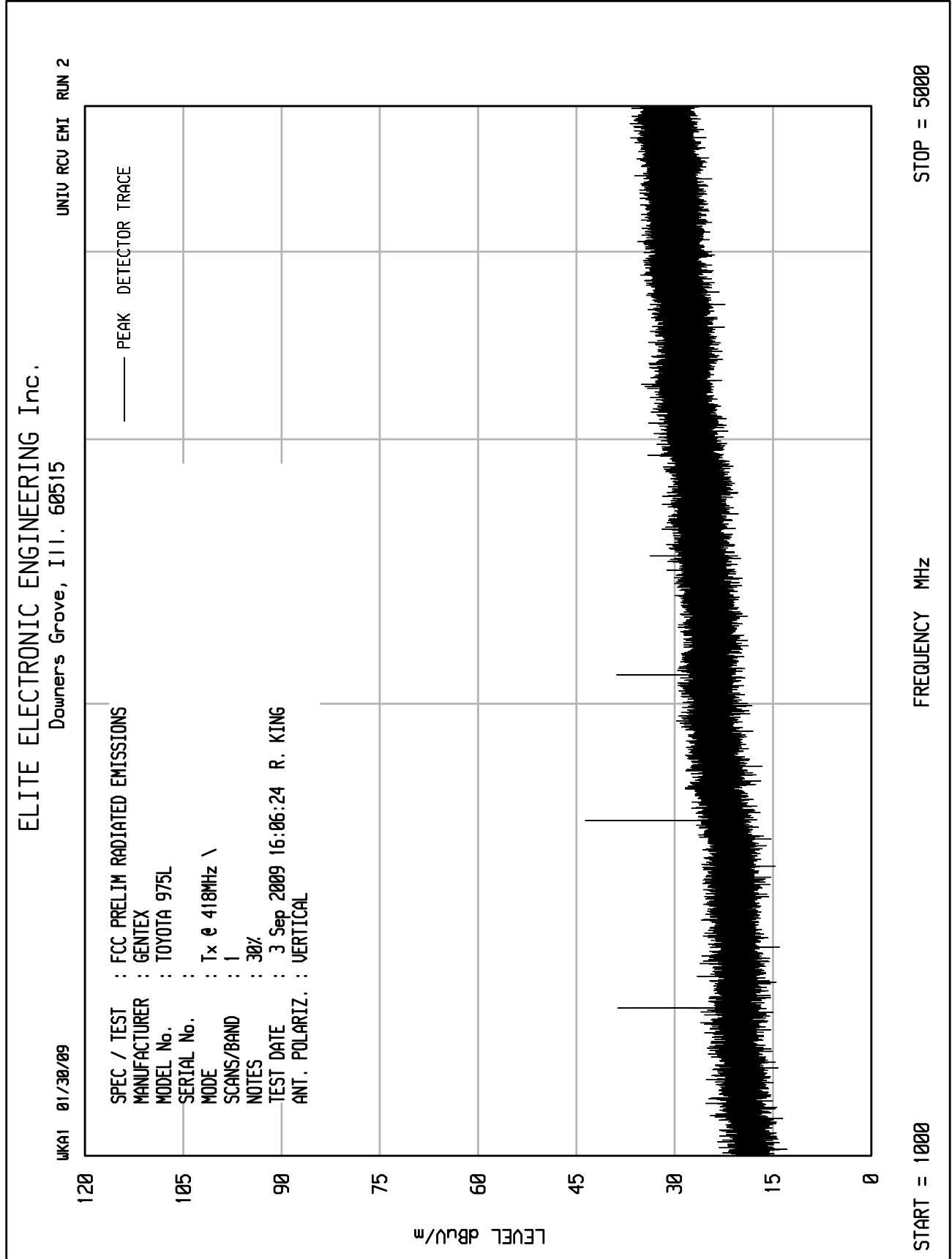
100  
FREQUENCY MHz

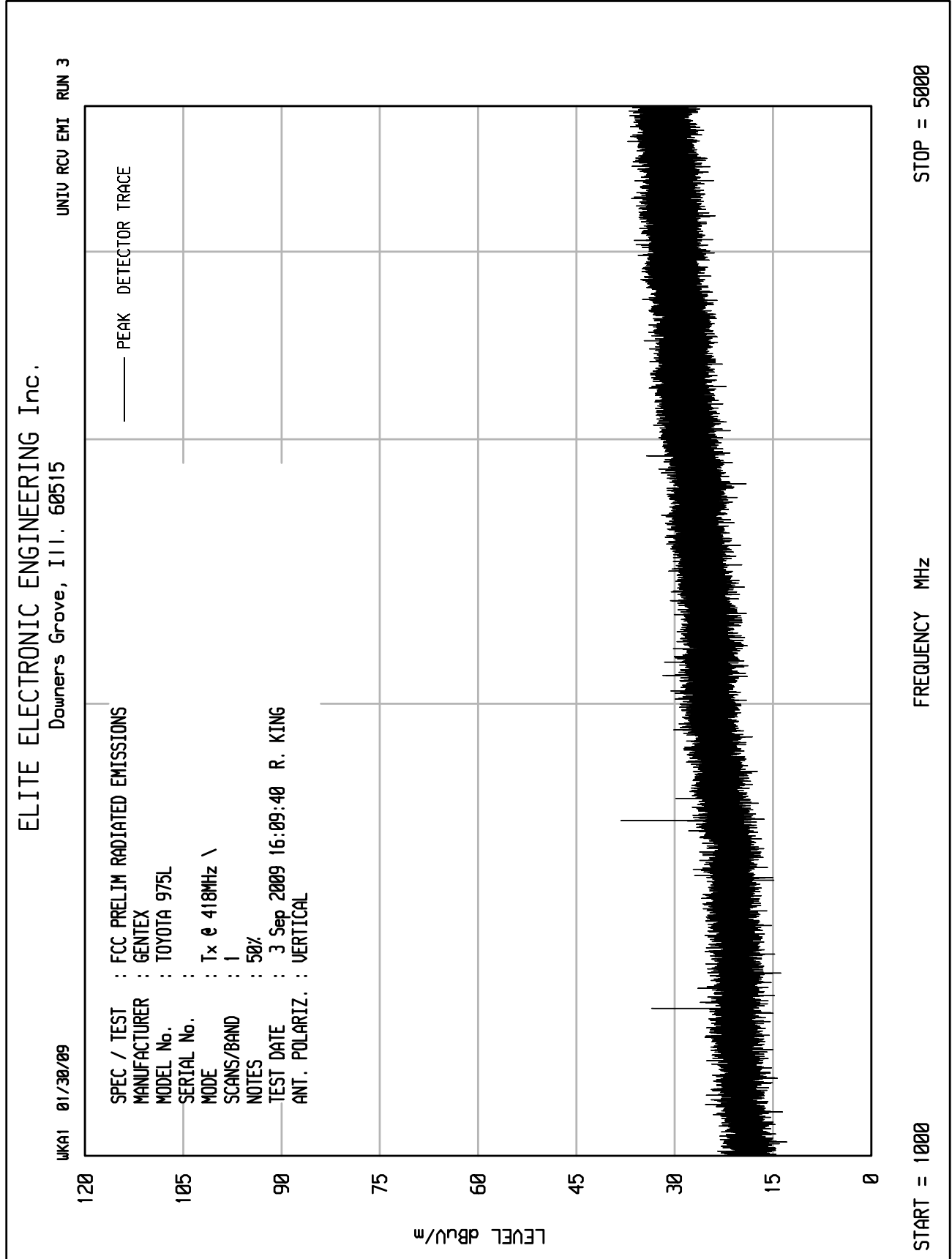
START = 30  
STOP = 1000

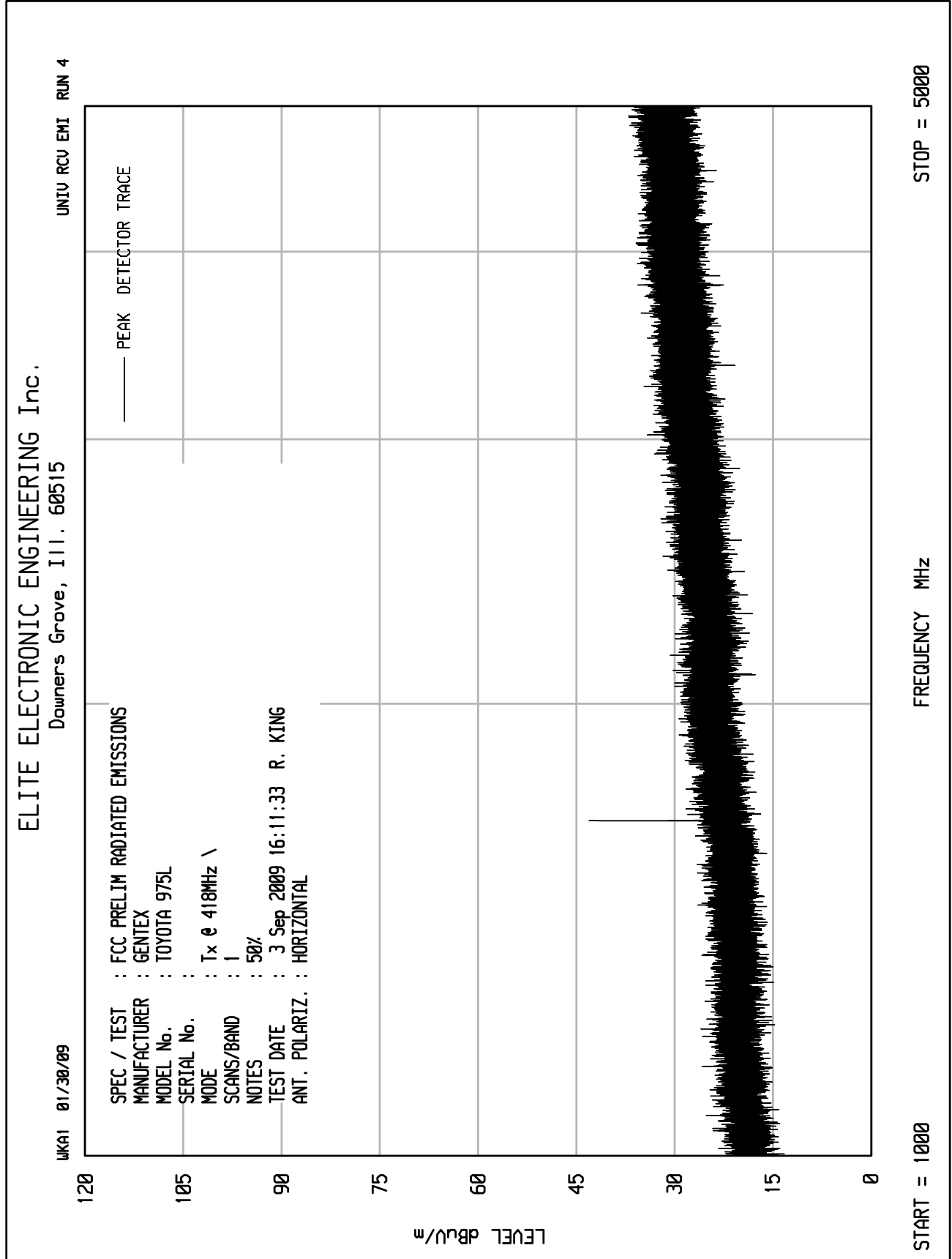
SPEC / TEST : FCC PRELIM RADIATED EMISSIONS  
 MANUFACTURER : GENTEX  
 MODEL No. : TOYOTA 975L  
 SERIAL No. :  
 MODE : Tx @ 418MHz  
 SCANS/BAND : 1  
 NOTES : 80%  
 TEST DATE : 11 Sep 2009 06:08:57 R. KING  
 ANT. POLARIZ. : VERTICAL

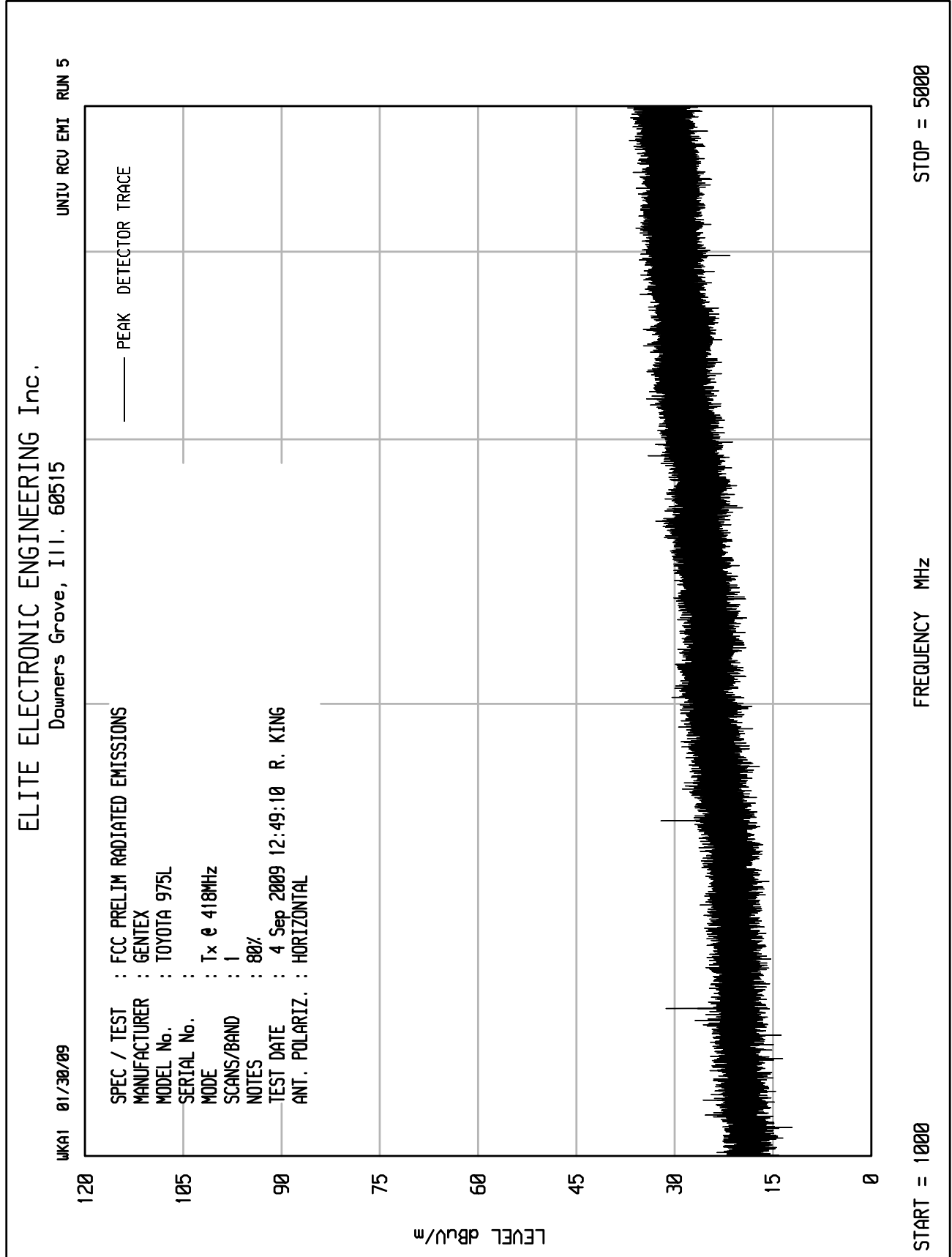


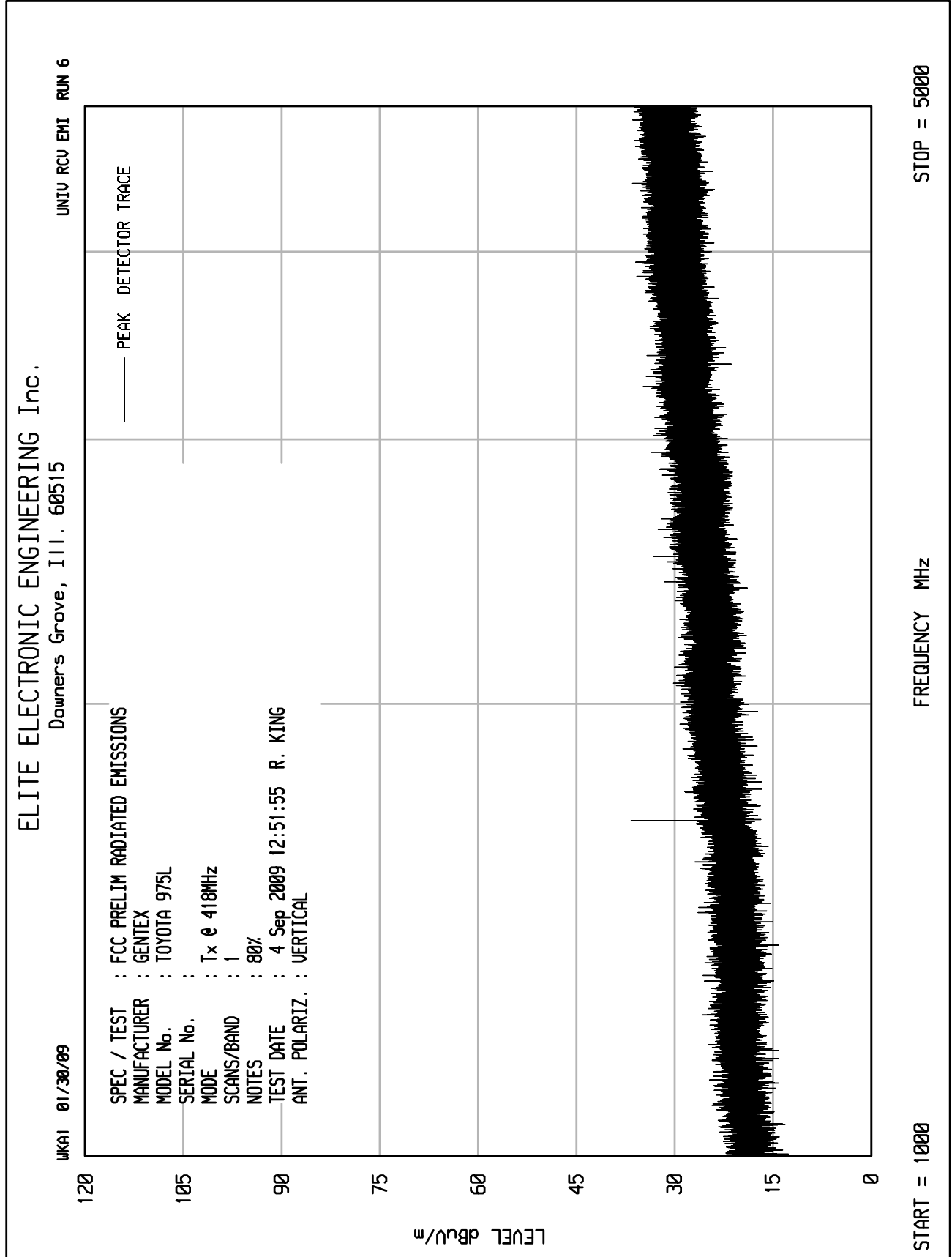
















DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 288MHz  
 : 30% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
288.0	H	55.2		1.3	14.3	-10.5	60.3	1040.2	4916.7	-13.5
288.0	V	63.4		1.3	14.3	-10.5	68.5	2667.5	4916.7	-5.3
576.0	H	36.5		1.9	19.5	-10.5	47.4	235.5	492	-6.4
576.0	V	25.9		1.9	19.5	-10.5	36.9	70.0	492	-16.9
864.0	H	12.8		2.3	22.2	-10.5	26.9	22.0	492	-27.0
864.0	V	9.1		2.3	22.2	-10.5	23.2	14.5	492	-30.6
1152.0	H	19.0		2.7	24.1	-10.5	35.4	58.7	500	-18.6
1152.0	V	17.8		2.7	24.1	-10.5	34.2	51.2	500	-19.8
1440.0	H	17.4		3.1	25.8	-10.5	35.9	62.1	500	-18.1
1440.0	V	21.3		3.1	25.8	-10.5	39.8	97.3	500	-14.2
1728.0	H	18.0		3.4	27.5	-10.5	38.4	83.4	500	-15.6
1728.0	V	16.6		3.4	27.5	-10.5	37.1	71.3	500	-16.9
2016.0	H	16.4		3.6	28.3	-10.5	37.9	78.2	500	-16.1
2016.0	V	19.2		3.6	28.3	-10.5	40.7	107.9	500	-13.3
2304.0	H	13.7	*	3.8	29.1	-10.5	36.0	63.5	500	-17.9
2304.0	V	14.7	*	3.8	29.1	-10.5	37.1	71.5	500	-16.9
2592.0	H	13.8	*	3.9	29.8	-10.5	37.0	71.0	500	-17.0
2592.0	V	14.4	*	3.9	29.8	-10.5	37.7	76.8	500	-16.3
2880.0	H	13.1	*	4.0	30.7	-10.5	37.4	73.8	500	-16.6
2880.0	V	13.3	*	4.0	30.7	-10.5	37.5	75.0	500	-16.5

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 288MHz  
 : 50% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
288.0	H	53.1		1.3	14.3	-6.0	62.7	1363.4	4916.7	-11.1
288.0	V	59.0		1.3	14.3	-6.0	68.5	2673.7	4916.7	-5.3
576.0	H	31.2		1.9	19.5	-6.0	46.6	214.5	492	-7.2
576.0	V	20.9		1.9	19.5	-6.0	36.3	65.2	492	-17.6
864.0	H	7.3		2.3	22.2	-6.0	25.8	19.5	492	-28.0
864.0	V	9.5		2.3	22.2	-6.0	27.9	25.0	492	-25.9
1152.0	H	17.2		2.7	24.1	-6.0	38.0	79.0	500	-16.0
1152.0	V	17.0		2.7	24.1	-6.0	37.8	77.5	500	-16.2
1440.0	H	15.7		3.1	25.8	-6.0	38.5	84.2	500	-15.5
1440.0	V	19.0		3.1	25.8	-6.0	41.9	124.1	500	-12.1
1728.0	H	15.5		3.4	27.5	-6.0	40.4	104.5	500	-13.6
1728.0	V	15.2		3.4	27.5	-6.0	40.1	101.1	500	-13.9
2016.0	H	14.3		3.6	28.3	-6.0	40.2	102.8	500	-13.7
2016.0	V	18.6		3.6	28.3	-6.0	44.6	169.2	500	-9.4
2304.0	H	14.1	*	3.8	29.1	-6.0	40.9	110.7	500	-13.1
2304.0	V	13.1	*	3.8	29.1	-6.0	39.9	99.4	500	-14.0
2592.0	H	13.3	*	3.9	29.8	-6.0	41.0	111.8	500	-13.0
2592.0	V	14.5	*	3.9	29.8	-6.0	42.2	128.8	500	-11.8
2880.0	H	13.1	*	4.0	30.7	-6.0	41.8	122.9	500	-12.2
2880.0	V	14.8	*	4.0	30.7	-6.0	43.5	149.5	500	-10.5

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 288MHz  
 : 80% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
288.0	H	44.6		1.3	14.3	-1.9	58.2	816.8	4916.7	-15.6
288.0	V	54.3		1.3	14.3	-1.9	68.0	2498.1	4916.7	-5.9
576.0	H	5.8		1.9	19.5	-1.9	25.3	18.4	492	-28.5
576.0	V	8.6		1.9	19.5	-1.9	28.1	25.4	492	-25.8
864.0	H	5.8	*	2.3	22.2	-1.9	28.4	26.5	492	-25.4
864.0	V	4.6	*	2.3	22.2	-1.9	27.2	22.9	492	-26.6
1152.0	H	13.4	*	2.7	24.1	-1.9	38.3	82.2	500	-15.7
1152.0	V	11.4	*	2.7	24.1	-1.9	36.3	65.6	500	-17.6
1440.0	H	15.8		3.1	25.8	-1.9	42.8	137.6	500	-11.2
1440.0	V	15.1		3.1	25.8	-1.9	42.1	126.7	500	-11.9
1728.0	H	13.8		3.4	27.5	-1.9	42.8	137.8	500	-11.2
1728.0	V	13.3	*	3.4	27.5	-1.9	42.3	129.6	500	-11.7
2016.0	H	14.3	*	3.6	28.3	-1.9	44.4	165.2	500	-9.6
2016.0	V	13.7	*	3.6	28.3	-1.9	43.7	153.3	500	-10.3
2304.0	H	14.2	*	3.8	29.1	-1.9	45.1	180.5	500	-8.8
2304.0	V	13.1	*	3.8	29.1	-1.9	44.1	159.8	500	-9.9
2592.0	H	14.1	*	3.9	29.8	-1.9	45.9	196.7	500	-8.1
2592.0	V	13.4	*	3.9	29.8	-1.9	45.2	182.3	500	-8.8
2880.0	H	13.1	*	4.0	30.7	-1.9	45.9	197.6	500	-8.1
2880.0	V	13.7	*	4.0	30.7	-1.9	46.4	210.0	500	-7.5

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 310MHz  
 : 30% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
310.0	H	55.6		1.4	15.2	-10.5	61.7	1218.1	5833.3	-13.6
310.0	V	66.0		1.4	15.2	-10.5	72.1	4028.8	5833.3	-3.2
620.0	H	28.5		2.0	20.1	-10.5	40.1	101.5	583	-15.2
620.0	V	23.0		2.0	20.1	-10.5	34.7	54.1	583	-20.7
930.0	H	13.0		2.4	22.7	-10.5	27.7	24.2	583	-27.6
930.0	V	9.9		2.4	22.7	-10.5	24.6	16.9	583	-30.7
1240.0	H	17.7		2.8	24.6	-10.5	34.7	54.2	500	-19.3
1240.0	V	16.5		2.8	24.6	-10.5	33.5	47.1	500	-20.5
1550.0	H	16.5		3.2	26.4	-10.5	35.6	60.5	500	-18.3
1550.0	V	15.7		3.2	26.4	-10.5	34.8	54.9	500	-19.2
1860.0	H	14.9		3.5	29.0	-10.5	37.0	70.5	583	-18.4
1860.0	V	15.0		3.5	29.0	-10.5	37.0	70.9	583	-18.3
2170.0	H	15.7		3.7	28.8	-10.5	37.7	76.3	583	-17.7
2170.0	V	16.8		3.7	28.8	-10.5	38.8	86.7	583	-16.6
2480.0	H	13.3	*	3.8	29.5	-10.5	36.2	64.2	583	-19.2
2480.0	V	14.9	*	3.8	29.5	-10.5	37.8	77.9	583	-17.5
2790.0	H	14.3	*	4.0	30.4	-10.5	38.3	81.8	500	-15.7
2790.0	V	14.3	*	4.0	30.4	-10.5	38.3	81.8	500	-15.7
3100.0	H	15.1	*	4.2	31.6	-10.5	40.4	104.4	583	-14.9
3100.0	V	13.1	*	4.2	31.6	-10.5	38.4	83.3	583	-16.9

Checked BY RICHARD E. KING :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 310MHz  
 : 50% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
310.0	H	51.0		1.4	15.2	-6.0	61.6	1201.4	5833.3	-13.7
310.0	V	61.3		1.4	15.2	-6.0	71.9	3914.5	5833.3	-3.5
620.0	H	23.6		2.0	20.1	-6.0	39.7	96.8	583	-15.6
620.0	V	17.5		2.0	20.1	-6.0	33.6	47.9	583	-21.7
930.0	H	6.4		2.4	22.7	-6.0	25.5	18.9	583	-29.8
930.0	V	3.2	*	2.4	22.7	-6.0	22.3	13.0	583	-33.1
1240.0	H	12.6	*	2.8	24.6	-6.0	34.0	50.1	500	-20.0
1240.0	V	12.2	*	2.8	24.6	-6.0	33.6	48.0	500	-20.4
1550.0	H	17.0		3.2	26.4	-6.0	40.6	107.2	500	-13.4
1550.0	V	19.9		3.2	26.4	-6.0	43.5	149.2	500	-10.5
1860.0	H	13.7	*	3.5	29.0	-6.0	40.1	101.5	583	-15.2
1860.0	V	10.9	*	3.5	29.0	-6.0	37.4	73.9	583	-17.9
2170.0	H	12.7		3.7	28.8	-6.0	39.1	90.0	583	-16.2
2170.0	V	12.9	*	3.7	28.8	-6.0	39.3	92.1	583	-16.0
2480.0	H	12.6	*	3.8	29.5	-6.0	40.0	99.4	583	-15.4
2480.0	V	13.6	*	3.8	29.5	-6.0	40.9	111.0	583	-14.4
2790.0	H	13.8	*	4.0	30.4	-6.0	42.1	128.0	500	-11.8
2790.0	V	13.0	*	4.0	30.4	-6.0	41.3	116.7	500	-12.6
3100.0	H	13.1	*	4.2	31.6	-6.0	42.8	138.4	583	-12.5
3100.0	V	13.3	*	4.2	31.6	-6.0	43.1	142.3	583	-12.3

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 310MHz  
 : 80% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
310.0	H	49.3		1.4	15.2	-1.9	64.0	1587.4	5833.3	-11.3
310.0	V	56.7		1.4	15.2	-1.9	71.4	3708.3	5833.3	-3.9
620.0	H	17.4		2.0	20.1	-1.9	37.6	75.6	583	-17.7
620.0	V	10.3		2.0	20.1	-1.9	30.6	33.7	583	-24.8
930.0	H	4.7	*	2.4	22.7	-1.9	27.9	24.8	583	-27.4
930.0	V	2.4	*	2.4	22.7	-1.9	25.6	19.1	583	-29.7
1240.0	H	13.8	*	2.8	24.6	-1.9	39.3	92.4	500	-14.7
1240.0	V	12.2	*	2.8	24.6	-1.9	37.7	77.1	500	-16.2
1550.0	H	13.9		3.2	26.4	-1.9	41.6	120.4	500	-12.4
1550.0	V	16.2		3.2	26.4	-1.9	43.9	156.7	500	-10.1
1860.0	H	14.2	*	3.5	29.0	-1.9	44.8	173.3	583	-10.5
1860.0	V	12.9	*	3.5	29.0	-1.9	43.5	148.9	583	-11.9
2170.0	H	13.8	*	3.7	28.8	-1.9	44.3	164.8	583	-11.0
2170.0	V	12.5	*	3.7	28.8	-1.9	43.0	141.8	583	-12.3
2480.0	H	13.8	*	3.8	29.5	-1.9	45.2	182.6	583	-10.1
2480.0	V	13.8	*	3.8	29.5	-1.9	45.2	182.6	583	-10.1
2790.0	H	13.4	*	4.0	30.4	-1.9	45.9	197.1	500	-8.1
2790.0	V	14.1	*	4.0	30.4	-1.9	46.6	212.6	500	-7.4
3100.0	H	13.1	*	4.2	31.6	-1.9	47.0	222.9	583	-8.4
3100.0	V	13.6	*	4.2	31.6	-1.9	47.4	234.5	583	-7.9

Checked BY RICHARD E. KING :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 418MHz  
 : 30% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
418.0	H	64.5		1.6	18.0	-10.5	73.7	4848.6	10333.3	-6.6
418.0	V	69.1		1.6	18.0	-10.5	78.2	8168.0	10333.3	-2.0
836.0	H	29.0		2.3	22.2	-10.5	43.0	140.9	1033.3	-17.3
836.0	V	22.4		2.3	22.2	-10.5	36.4	66.2	1033.3	-23.9
1254.0	H	24.2		2.8	24.6	-10.5	41.2	115.1	1033.3	-19.1
1254.0	V	21.9		2.8	24.6	-10.5	38.9	87.8	1033.3	-21.4
1672.0	H	25.0		3.3	27.5	-10.5	45.4	186.4	500	-8.6
1672.0	V	20.3		3.3	27.5	-10.5	40.7	108.4	500	-13.3
2090.0	H	19.5		3.7	28.5	-10.5	41.3	115.9	1033.3	-19.0
2090.0	V	25.0		3.7	28.5	-10.5	46.8	217.5	1033.3	-13.5
2508.0	H	15.8	*	3.9	29.6	-10.5	38.8	86.8	1033.3	-21.5
2508.0	V	17.8		3.9	29.6	-10.5	40.8	109.8	1033.3	-19.5
2926.0	H	13.8		4.0	30.8	-10.5	38.2	81.1	1033.3	-22.1
2926.0	V	13.3	*	4.0	30.8	-10.5	37.6	76.3	1033.3	-22.6
3344.0	H	14.1	*	4.4	32.9	-10.5	40.9	111.0	1033.3	-19.4
3344.0	V	13.7	*	4.4	32.9	-10.5	40.5	106.0	1033.3	-19.8
3762.0	H	14.2	*	4.8	34.1	-10.5	42.7	136.3	500	-11.3
3762.0	V	14.6	*	4.8	34.1	-10.5	43.1	142.4	500	-10.9
4180.0	H	13.8	*	5.2	34.3	-10.5	42.8	138.5	500	-11.1
4180.0	V	13.4	*	5.2	34.3	-10.5	42.4	132.3	500	-11.5

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 418MHz  
 : 50% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
418.0	H	59.5		1.6	17.2	-6.0	72.4	4146.0	10333.3	-7.9
418.0	V	64.2		1.6	17.2	-6.0	77.0	7097.9	10333.3	-3.3
836.0	H	27.2		2.3	21.5	-6.0	45.0	178.0	1033.3	-15.3
836.0	V	20.1		2.3	21.5	-6.0	37.9	78.5	1033.3	-22.4
1254.0	H	17.8		2.8	25.0	-6.0	39.7	96.4	1033.3	-20.6
1254.0	V	13.3		2.8	25.0	-6.0	35.1	56.9	1033.3	-25.2
1672.0	H	16.6		3.3	27.1	-6.0	41.0	112.7	500	-12.9
1672.0	V	16.5		3.3	27.1	-6.0	40.9	111.0	500	-13.1
2090.0	H	13.3		3.7	28.5	-6.0	39.5	94.0	1033.3	-20.8
2090.0	V	15.7		3.7	28.5	-6.0	41.9	123.7	1033.3	-18.4
2508.0	H	15.1		3.9	29.6	-6.0	42.5	133.4	1033.3	-17.8
2508.0	V	16.1		3.9	29.6	-6.0	43.5	149.7	1033.3	-16.8
2926.0	H	14.2	*	4.0	30.8	-6.0	43.0	141.6	1033.3	-17.3
2926.0	V	14.7		4.0	30.8	-6.0	43.5	149.4	1033.3	-16.8
3344.0	H	12.7	*	4.4	32.9	-6.0	44.0	159.1	1033.3	-16.3
3344.0	V	13.1	*	4.4	32.9	-6.0	44.4	166.4	1033.3	-15.9
3762.0	H	14.3	*	4.8	34.1	-6.0	47.3	230.6	500	-6.7
3762.0	V	14.7	*	4.8	34.1	-6.0	47.6	241.2	500	-6.3
4180.0	H	13.4	*	5.2	34.3	-6.0	46.9	220.8	500	-7.1
4180.0	V	13.5	*	5.2	34.3	-6.0	47.0	224.1	500	-7.0

Checked BY RICHARD E. KING :

Richard E. King





DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 418MHz  
 : 80% Modulation  
 : TEST DISTANCE IS 3 METERS

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
418.0	H	55.9		1.6	18.0	-1.9	73.6	4776.5	10333.3	-6.7
418.0	V	60.3		1.6	18.0	-1.9	78.0	7982.0	10333.3	-2.2
836.0	H	20.4		2.3	22.2	-1.9	42.9	140.2	1033.3	-17.3
836.0	V	14.5		2.3	22.2	-1.9	37.1	71.3	1033.3	-23.2
1254.0	H	15.5		2.8	24.6	-1.9	41.1	112.9	1033.3	-19.2
1254.0	V	15.9		2.8	24.6	-1.9	41.5	118.6	1033.3	-18.8
1672.0	H	15.4		3.3	27.5	-1.9	44.3	164.4	500	-9.7
1672.0	V	14.3		3.3	27.5	-1.9	43.3	145.5	500	-10.7
2090.0	H	14.9		3.7	28.5	-1.9	45.2	182.8	1033.3	-15.0
2090.0	V	15.2		3.7	28.5	-1.9	45.5	188.8	1033.3	-14.8
2508.0	H	13.6		3.9	29.6	-1.9	45.1	179.5	1033.3	-15.2
2508.0	V	15.5		3.9	29.6	-1.9	47.0	224.7	1033.3	-13.3
2926.0	H	15.1		4.0	30.8	-1.9	48.0	251.7	1033.3	-12.3
2926.0	V	12.4	*	4.0	30.8	-1.9	45.3	183.8	1033.3	-15.0
3344.0	H	13.0	*	4.4	32.9	-1.9	48.4	262.9	1033.3	-11.9
3344.0	V	13.1	*	4.4	32.9	-1.9	48.5	266.8	1033.3	-11.8
3762.0	H	13.8	*	4.8	34.1	-1.9	50.8	348.6	500	-3.1
3762.0	V	14.2	*	4.8	34.1	-1.9	51.2	364.6	500	-2.7
4180.0	H	13.3	*	5.2	34.3	-1.9	50.9	348.7	500	-3.1
4180.0	V	13.0	*	5.2	34.3	-1.9	50.6	338.1	500	-3.4

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 340MHz, 365MHz and 390MHz  
 : 30%, 50% and 80% Modulation  
 : TEST DISTANCE IS 3 METERS

30% Modulation

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
340.0	H	61.7		1.5	14.8	-10.5	67.5	2377.4	7083.3	-9.5
340.0	V	68.7		1.5	14.8	-10.5	74.5	5316.2	7083.3	-2.5
365.0	H	63.0		1.5	15.4	-10.5	69.5	2986.1	8125.0	-8.7
365.0	V	69.1		1.5	15.4	-10.5	75.6	6027.1	8125.0	-2.6
390.0	H	64.7		1.6	17.2	-10.5	73.0	4455.8	9166.7	-6.3
390.0	V	68.1		1.6	17.2	-10.5	76.4	6628.6	9166.7	-2.8

50% Modulation

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
340.0	H	56.8		1.5	14.8	-6.0	67.0	2234.1	7083.3	-10.0
340.0	V	63.9		1.5	14.8	-6.0	74.1	5094.4	7083.3	-2.9
365.0	H	60.1		1.5	15.4	-6.0	71.0	3549.0	8125.0	-7.2
365.0	V	64.5		1.5	15.4	-6.0	75.4	5883.2	8125.0	-2.8
390.0	H	60.1		1.6	17.2	-6.0	72.9	4394.7	9166.7	-6.4
390.0	V	65.2		1.6	17.2	-6.0	77.9	7860.0	9166.7	-1.3

80% Modulation

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
340.0	H	51.9		1.5	15.4	-1.9	66.8	2198.4	7083.3	-10.2
340.0	V	59.6		1.5	15.4	-1.9	74.6	5365.3	7083.3	-2.4
365.0	H	54.1		1.5	15.9	-1.9	69.6	3027.7	8125.0	-8.6
365.0	V	60.1		1.5	15.9	-1.9	75.6	6048.0	8125.0	-2.6
390.0	H	55.4		1.6	17.2	-1.9	72.2	4091.9	9166.7	-7.0
390.0	V	60.4		1.6	17.2	-1.9	77.3	7301.7	9166.7	-2.0

Checked BY Richard E. King :

Richard E. King



DATA PAGE

MANUFACTURER : Gentex Corporation  
 MODEL : Toyota 975L  
 S/N : None Assigned  
 SPECIFICATION : FCC-15C Radiated Emissions  
 DATE : September 2, 2009  
 NOTES : Transmitting @ 321MHz measuring the third harmonic which falls into a restricted band.  
 : 30%, 50% and 80% Modulation  
 : TEST DISTANCE IS 3 METERS  
 : Quasi Peak readings without duty cycle factor.

30% Modulation

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
963.0	H	16.4		2.4	22.9	-10.5	31.3	36.5	500	-22.7
963.0	V	16.8		2.4	22.9	-10.5	31.6	38.0	500	-22.4

50% Modulation

Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
963.0	H	7.9	*	2.4	22.9	-6.0	27.1	22.7	500	-26.9
963.0	V	6.8	*	2.4	22.9	-6.0	26.1	20.1	500	-27.9

80% Modulation

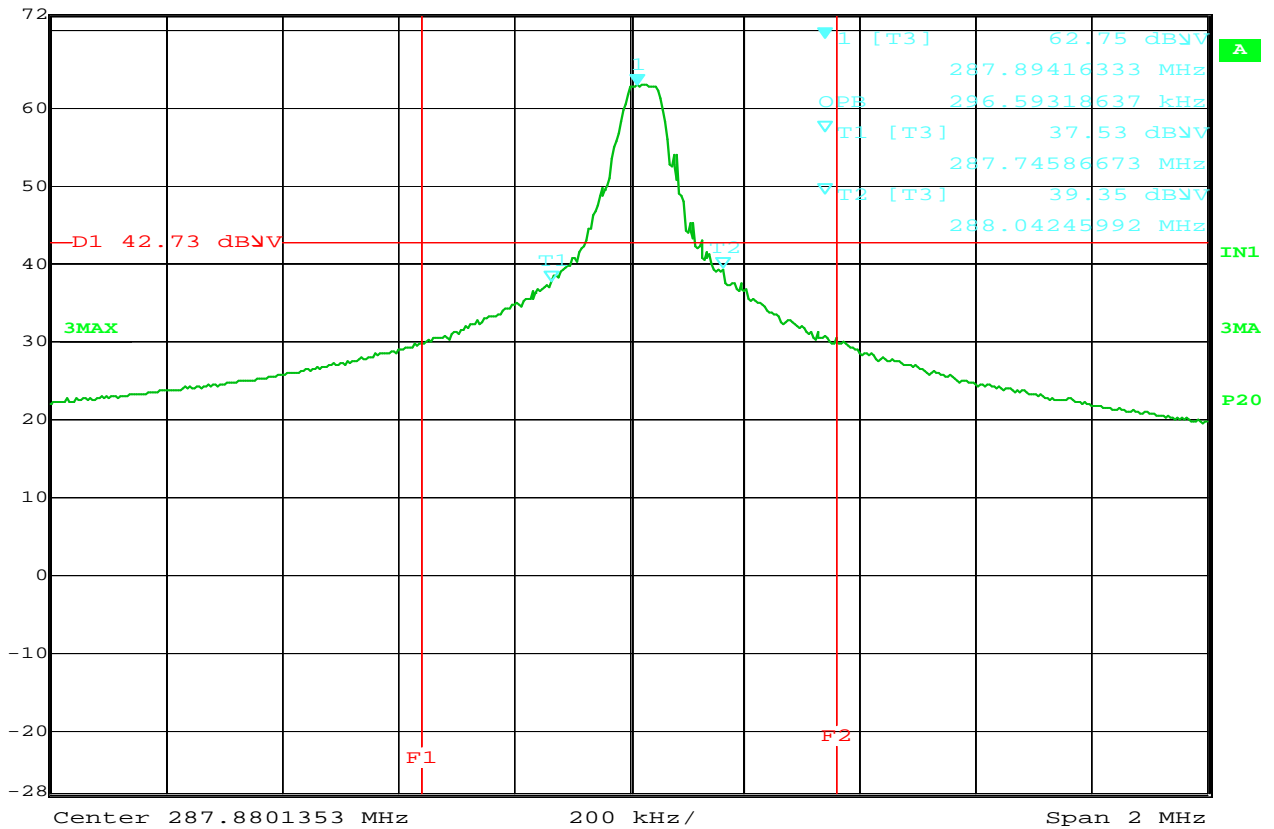
Freq (MHz)	Ant Pol	Meter Reading (dBUV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Duty Cycle Factor (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
963.0	H	3.6	*	2.4	22.9	-1.9	23.4	14.8	500	-30.6
963.0	V	6.5	*	2.4	22.9	-1.9	23.4	14.8	500	-30.6

Checked BY Richard E. King :

Richard E. King



Marker 1 [T3] RBW 30 kHz RF Att 0 dB  
 Ref Lvl 72 dBV 62.75 dBV VBW 300 kHz  
 287.89416333 MHz SWT 6 ms Unit dBV



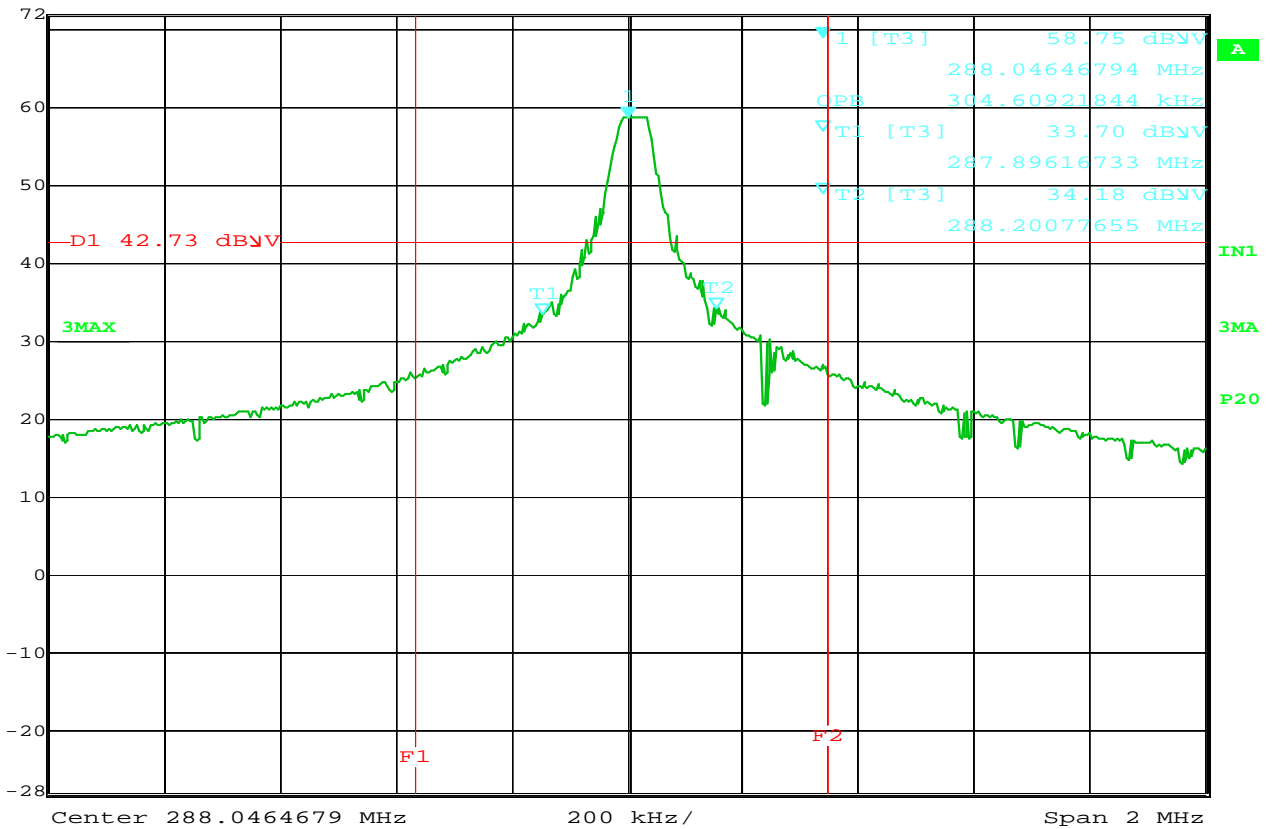
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**FCC 15.231(c) 20dB Bandwidth**

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 30% Modulation  
 TEST MODE : Tx @ 288MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



Ref Lvl	72 dBμV	Marker 1 [T3]	58.75 dBμV	RBW	30 kHz	RF Att	0 dB
			288.04646794 MHz	VBW	300 kHz		
				SWT	6 ms	Unit	dBμV



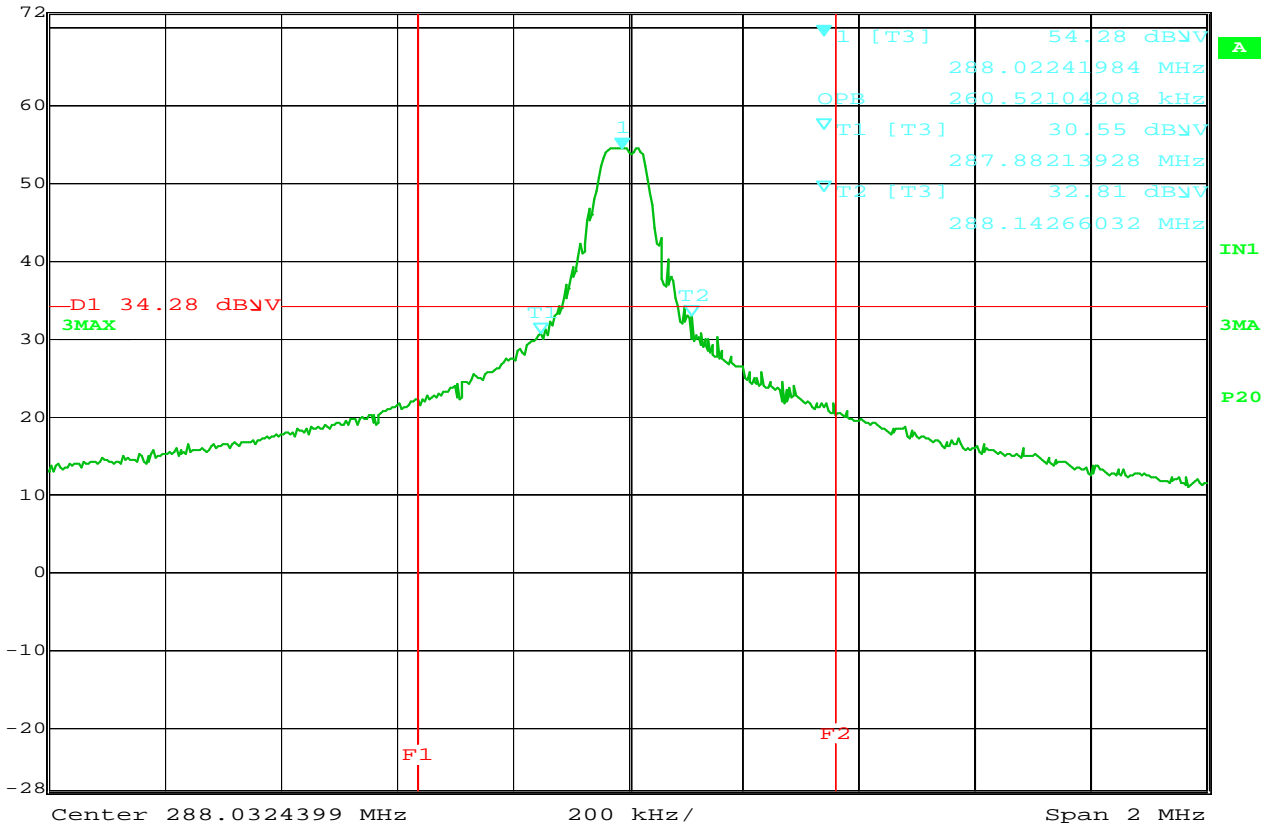
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### FCC 15.231(c) 20dB Bandwidth

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 50% Modulation  
 TEST MODE : Tx @ 288MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



Ref Lvl	Marker 1 [T3]	RBW	30 kHz	RF Att	0 dB
72 dB $\mu$ V	54.28 dB $\mu$ V	VBW	300 kHz		
	288.02241984 MHz	SWT	6 ms	Unit	dB $\mu$ V



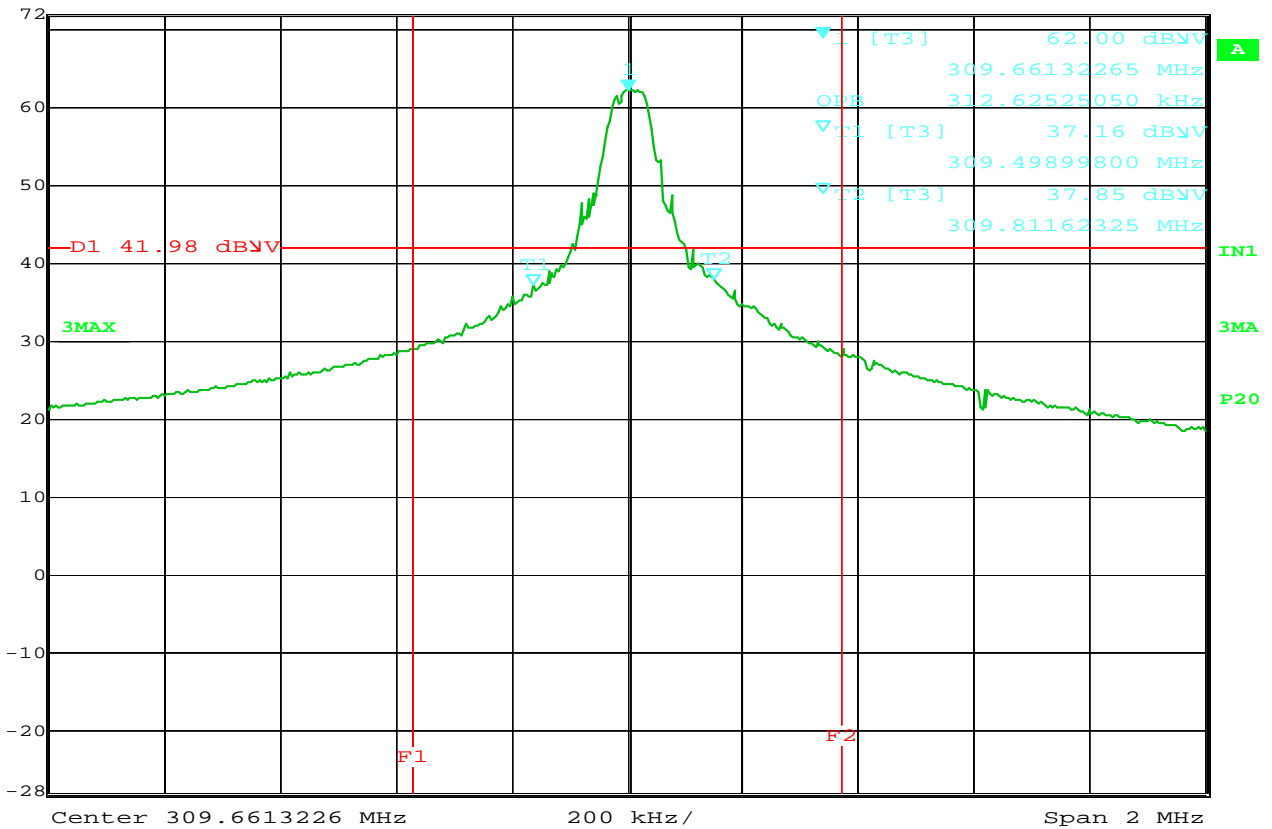
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### FCC 15.231(c) 20dB Bandwidth

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 80% Modulation  
 TEST MODE : Tx @ 288MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



Ref Lvl	72 dB $\mu$ V	Marker 1 [T3]	62.00 dB $\mu$ V	RBW	30 kHz	RF Att	0 dB
			309.66132265 MHz	VBW	300 kHz		
				SWT	6 ms	Unit	dB $\mu$ V



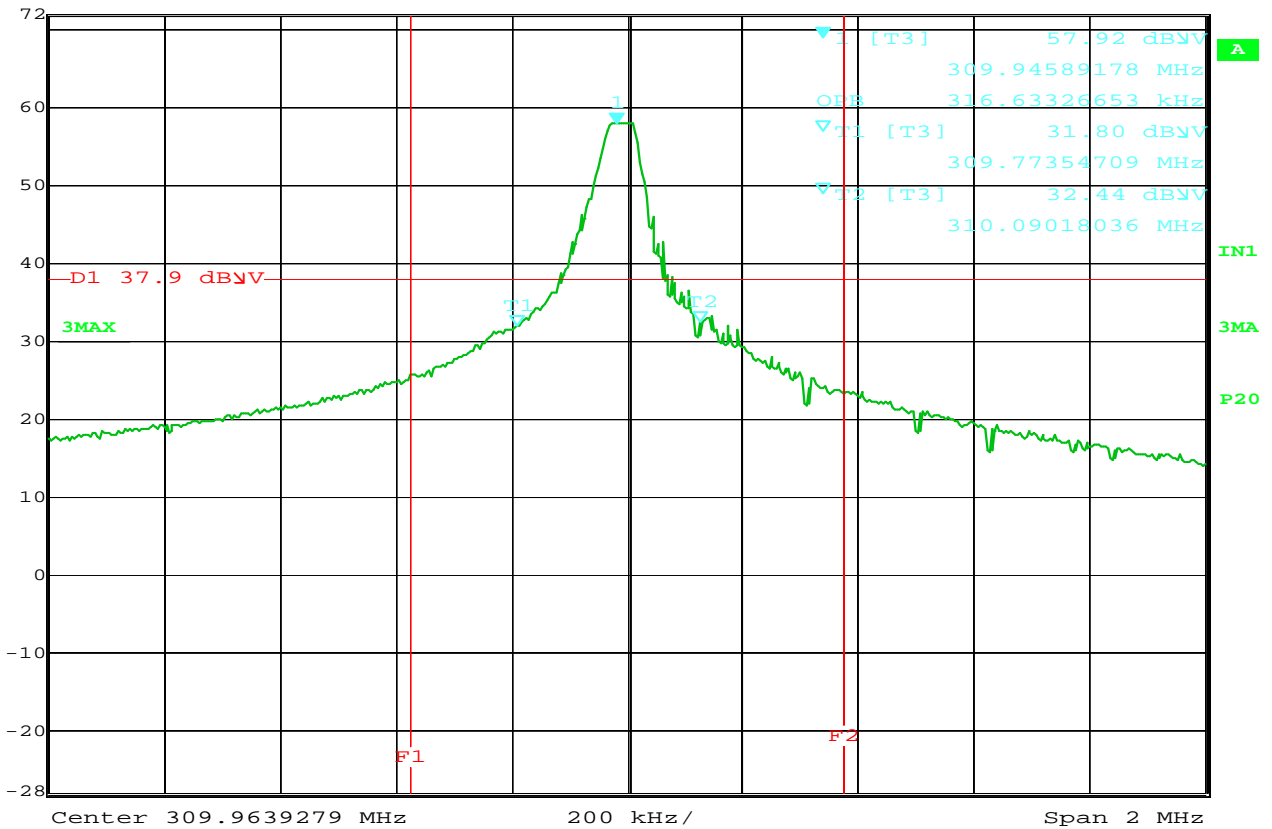
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### FCC 15.231(c) 20dB Bandwidth

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 30% Modulation  
 TEST MODE : Tx @ 310MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



Ref Lvl	72 dBμV	Marker 1 [T3]	57.92 dBμV	RBW	30 kHz	RF Att	0 dB
			309.94589178 MHz	VBW	300 kHz		
				SWT	6 ms	Unit	dBμV



Date: 17.SEP.2009 13:08:39

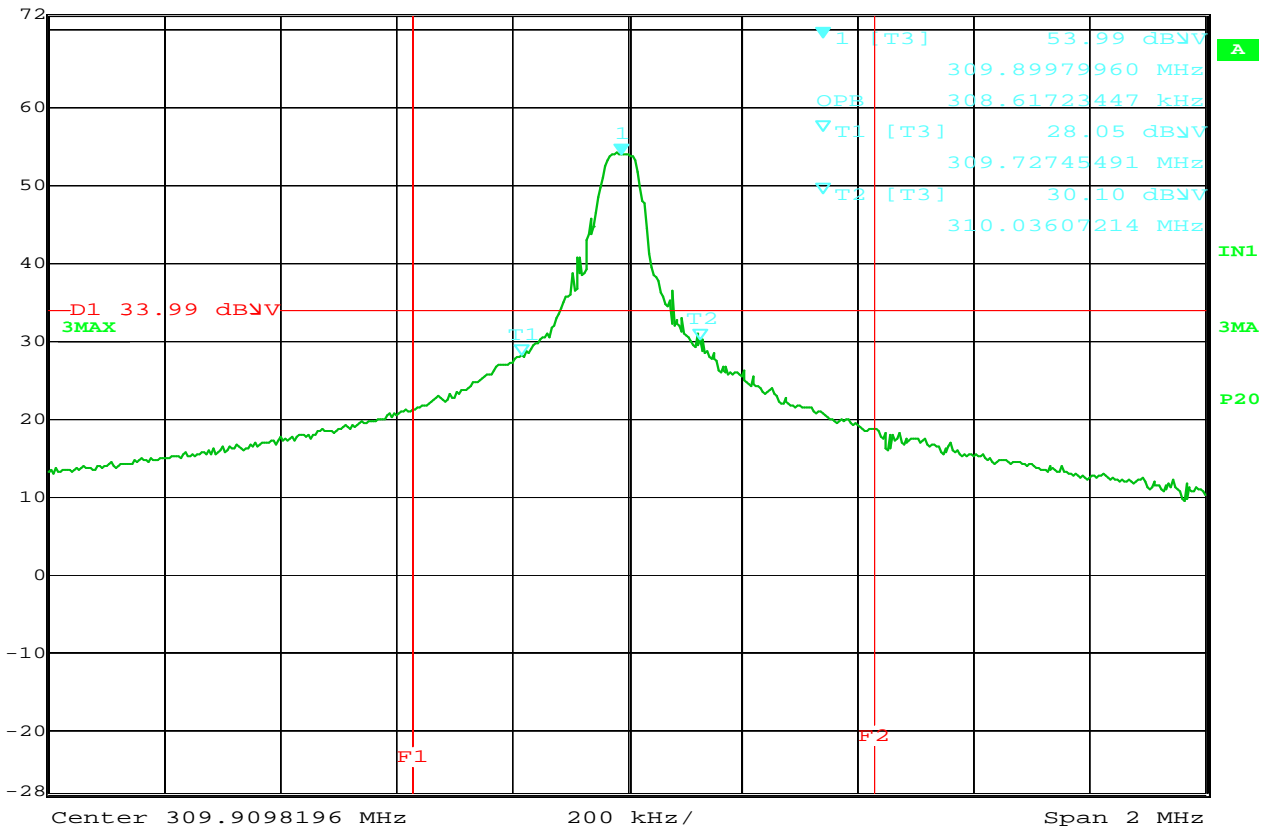
### FCC 15.231(c) 20dB Bandwidth

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 50% Modulation  
 TEST MODE : Tx @ 310MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1





Ref Lvl	Marker 1 [T3]	RBW	30 kHz	RF Att	0 dB
72 dBμV	53.99 dBμV	VBW	300 kHz		
	309.89979960 MHz	SWT	6 ms	Unit	dBμV



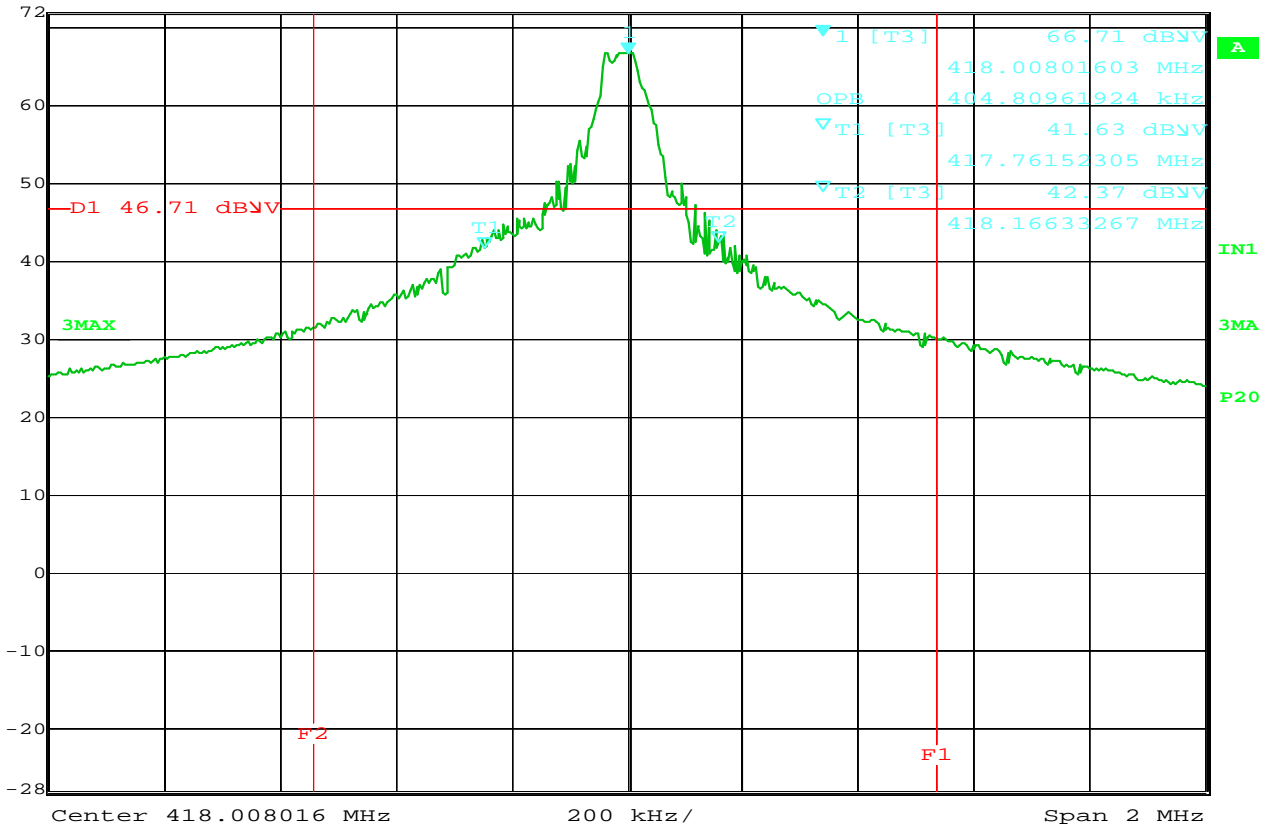
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**FCC 15.231(c) 20dB Bandwidth**

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 80% Modulation  
 TEST MODE : Tx @ 310MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



Ref Lvl 72 dBV  
 Marker 1 [T3] 66.71 dBV  
 418.00801603 MHz  
 RBW 30 kHz  
 VBW 300 kHz  
 SWT 6 ms  
 RF Att 0 dB  
 Unit dBV



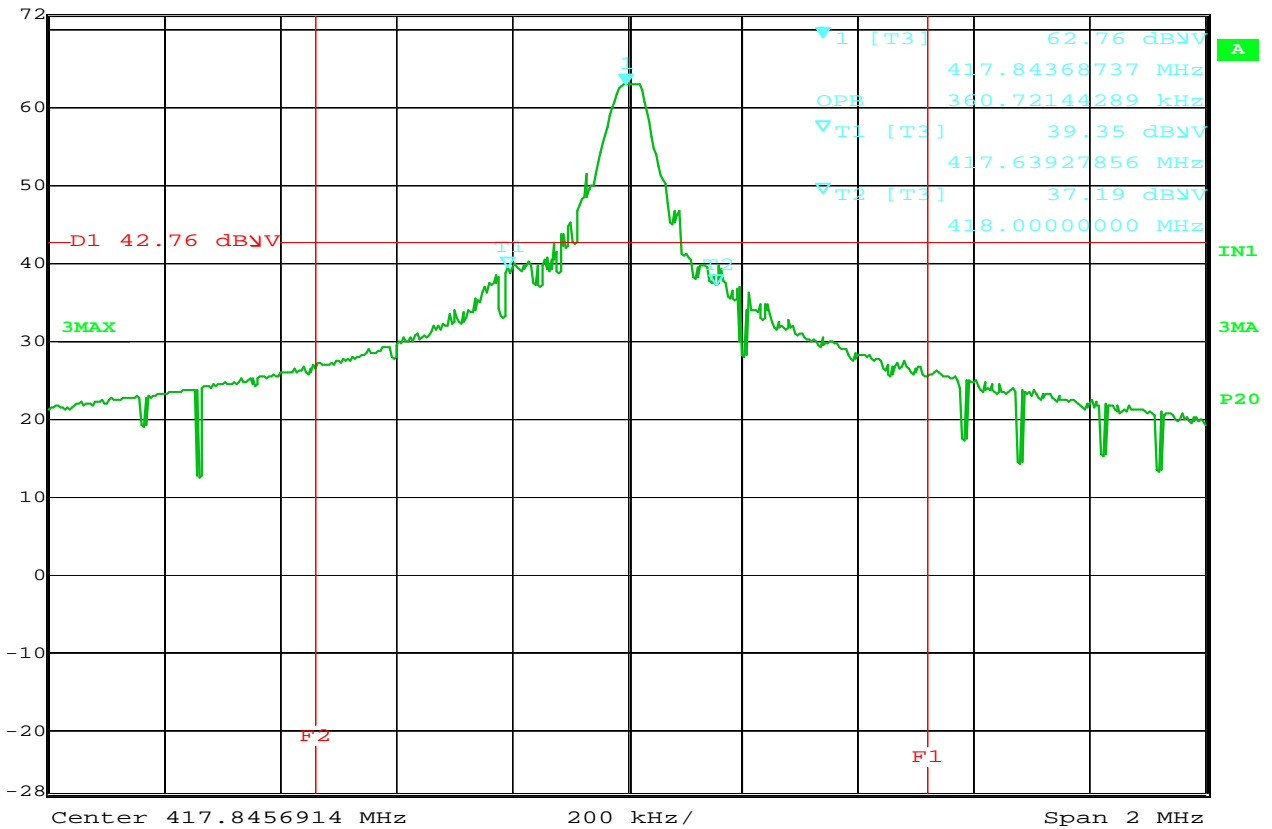
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**FCC 15.231(c) 20dB Bandwidth**

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 30% Modulation  
 TEST MODE : Tx @ 418MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



Ref Lvl	72 dB $\mu$ V	Marker 1 [T3]	62.76 dB $\mu$ V	RBW	30 kHz	RF Att	0 dB
			417.84368737 MHz	VBW	300 kHz		
				SWT	6 ms	Unit	dB $\mu$ V



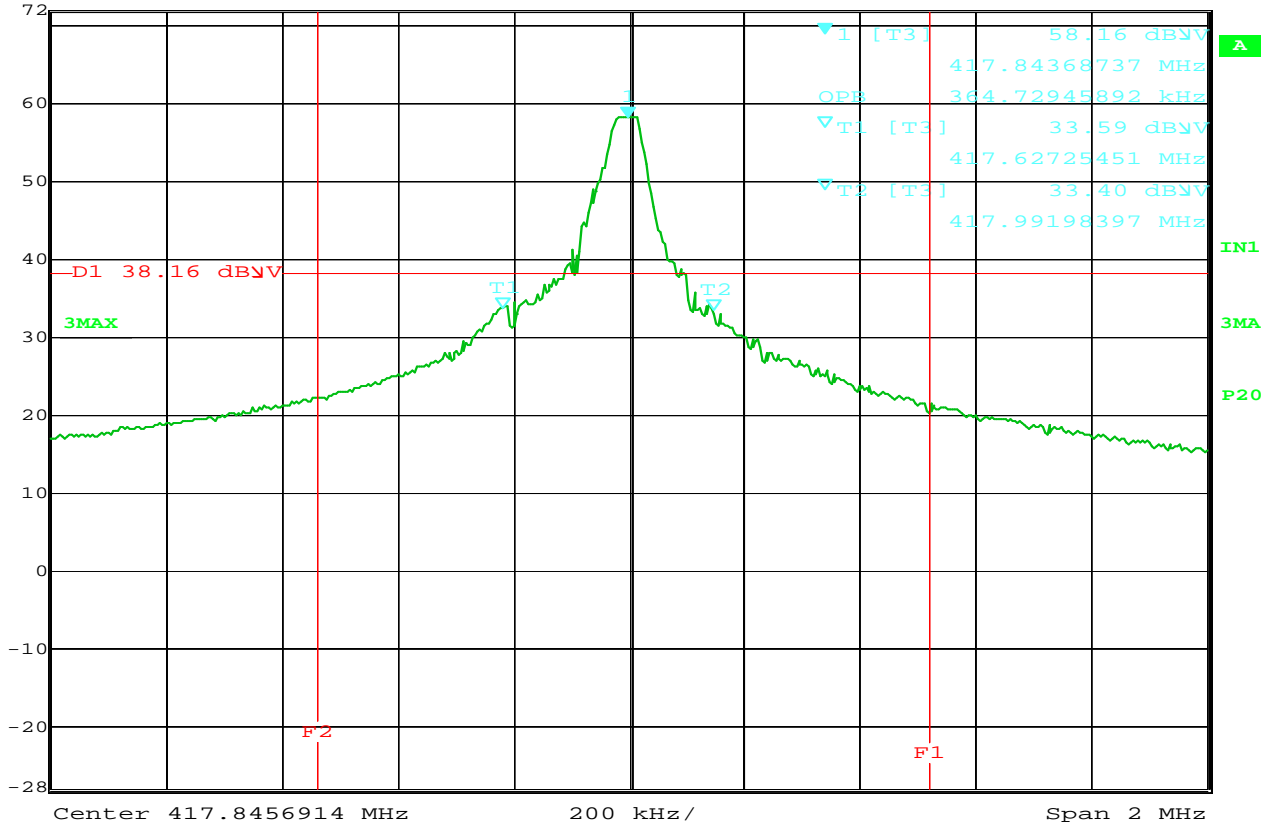
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### FCC 15.231(c) 20dB Bandwidth

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 50% Modulation  
 TEST MODE : Tx @ 418MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1



	Ref Lvl	Marker 1 [T3]	RBW	30 kHz	RF Att	0 dB
	72 dBμV	58.16 dBμV	VBW	300 kHz		
		417.84368737 MHz	SWT	6 ms	Unit	dBμV



Date: 17.SEP.2009 13:31:22

### FCC 15.231(c) 20dB Bandwidth

MANUFACTURER : Gentex Corporation  
 MODEL NUMBER : Toyota 975L  
 SERIAL NUMBER : None Assigned  
 TEST MODULATION : 80% Modulation  
 TEST MODE : Tx @ 418MHz  
 TEST PARAMETER : Display Line (D1) represents the 20dB down point  
 : from the modulated carrier. Display Lines (F1 &  
 : F2) represent the 0.25% bandwidth.  
 EQUIPMENT USED : RBA1, NTA1