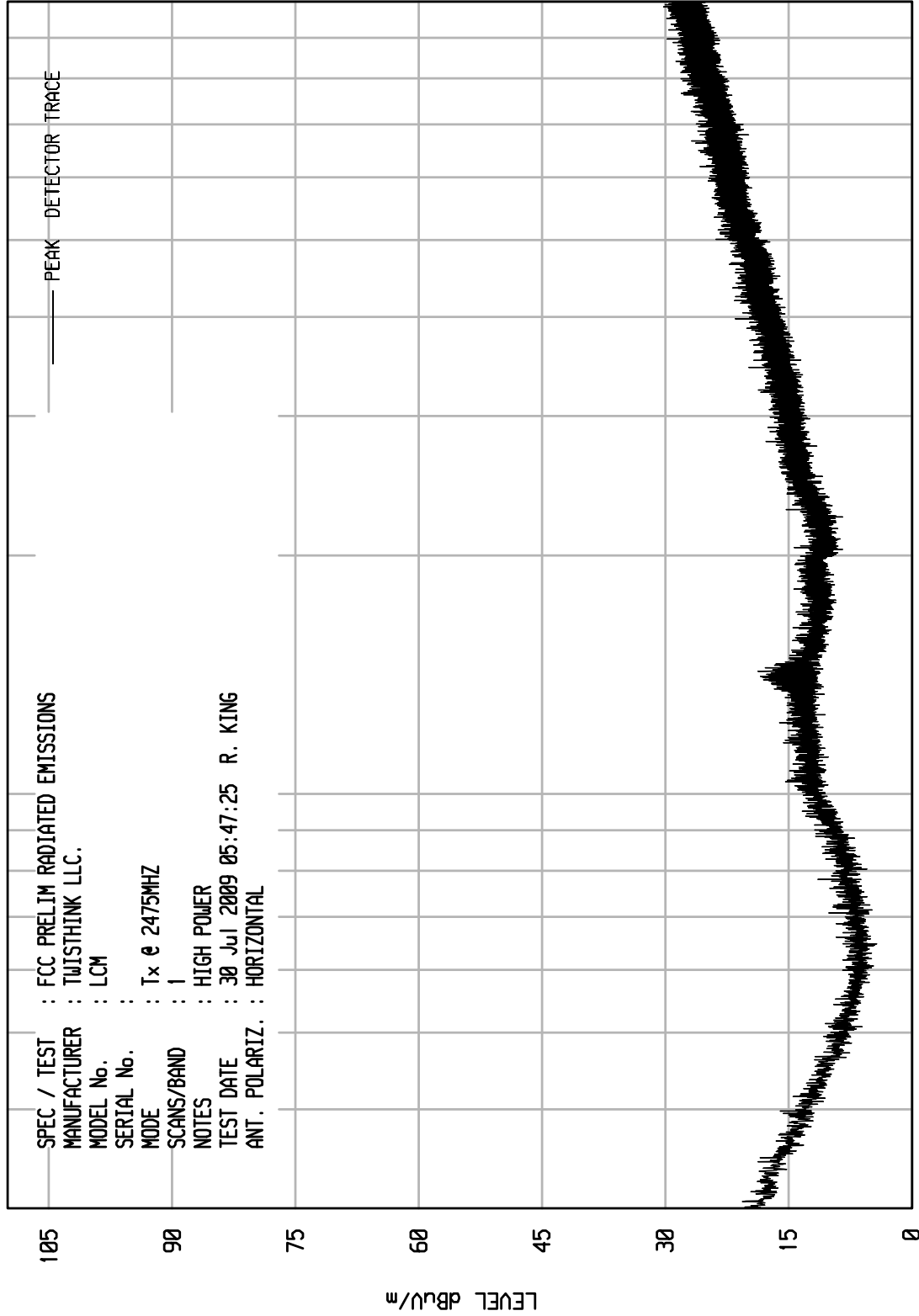


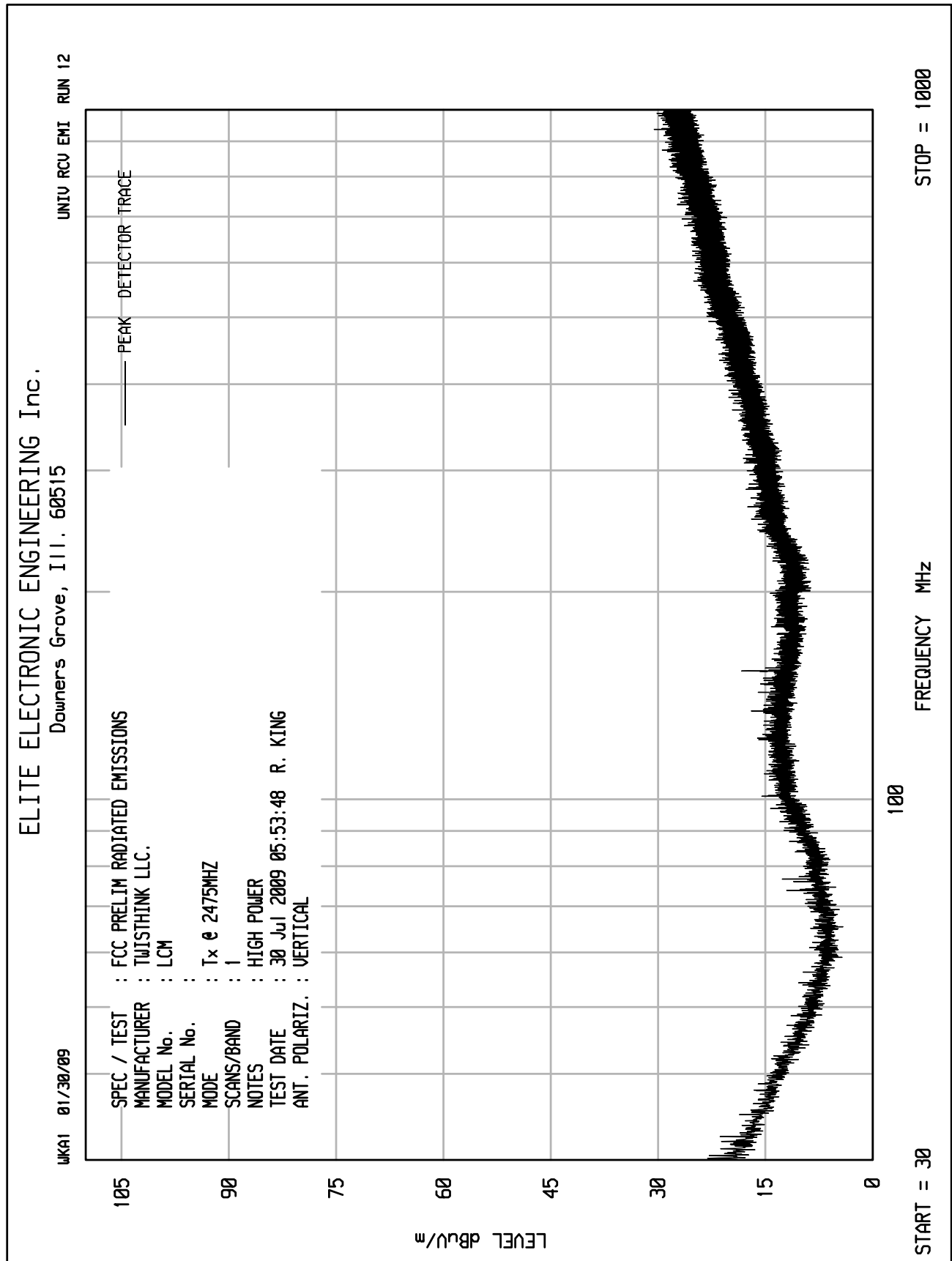


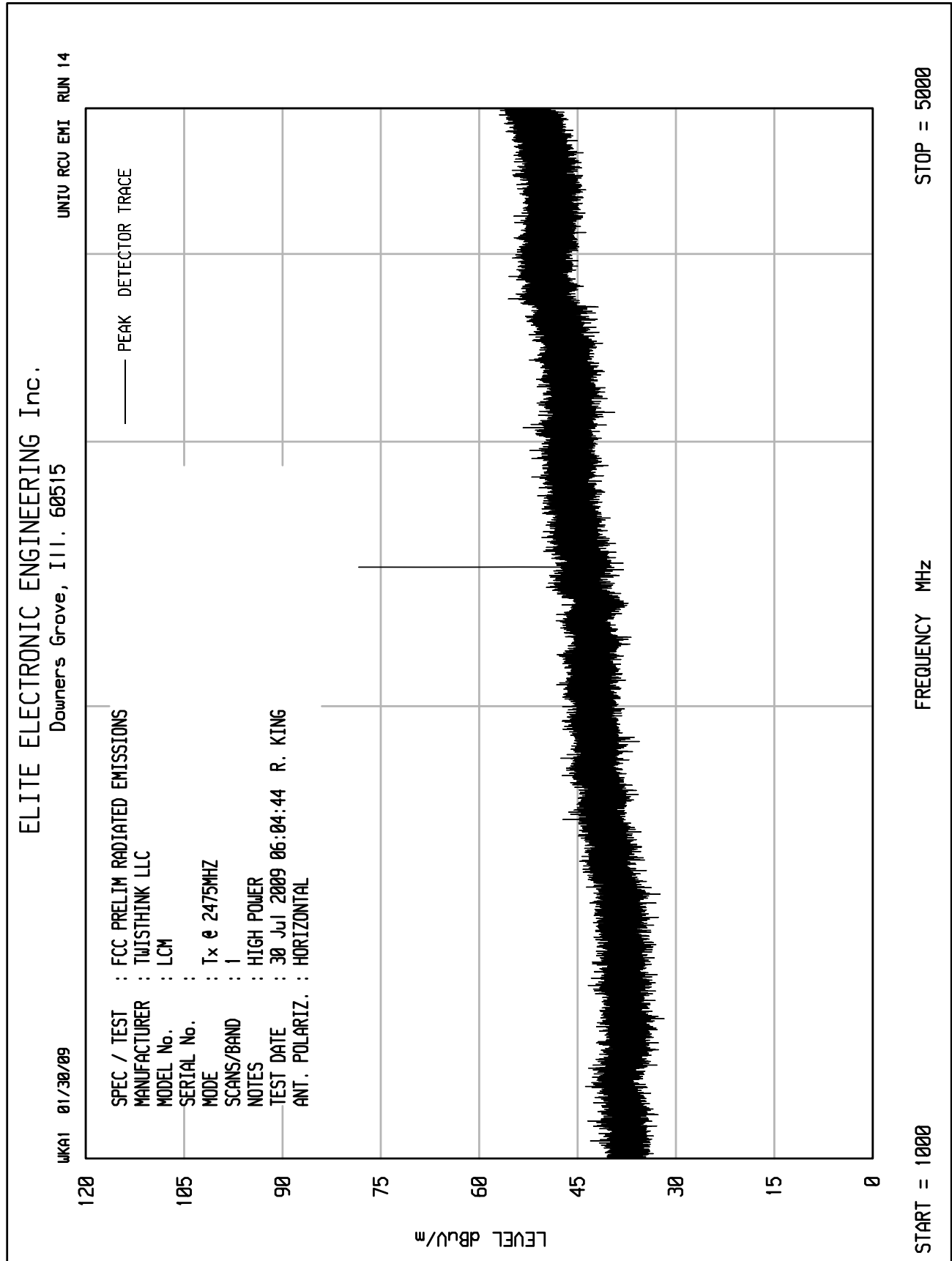
ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

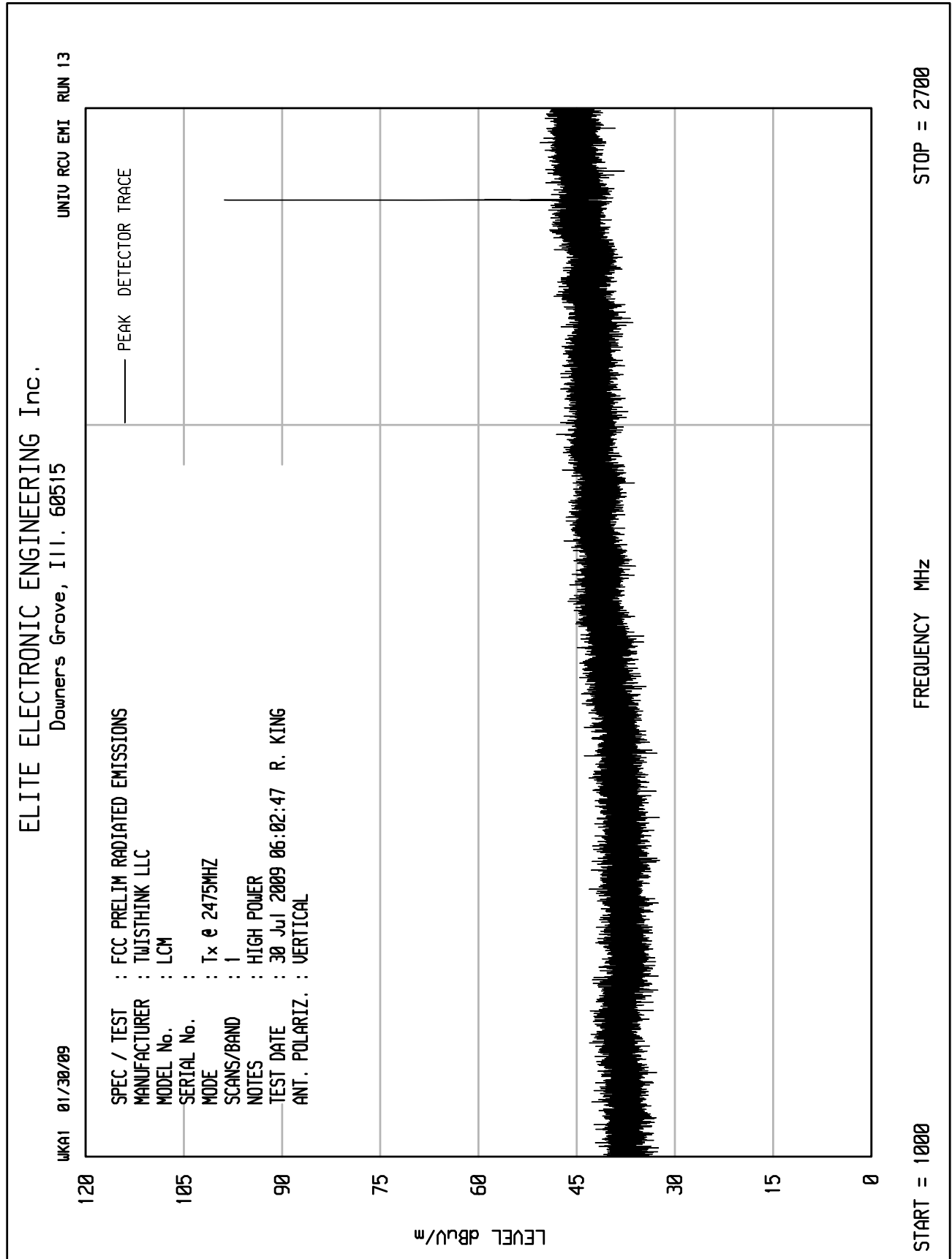
UKA1 01/30/09

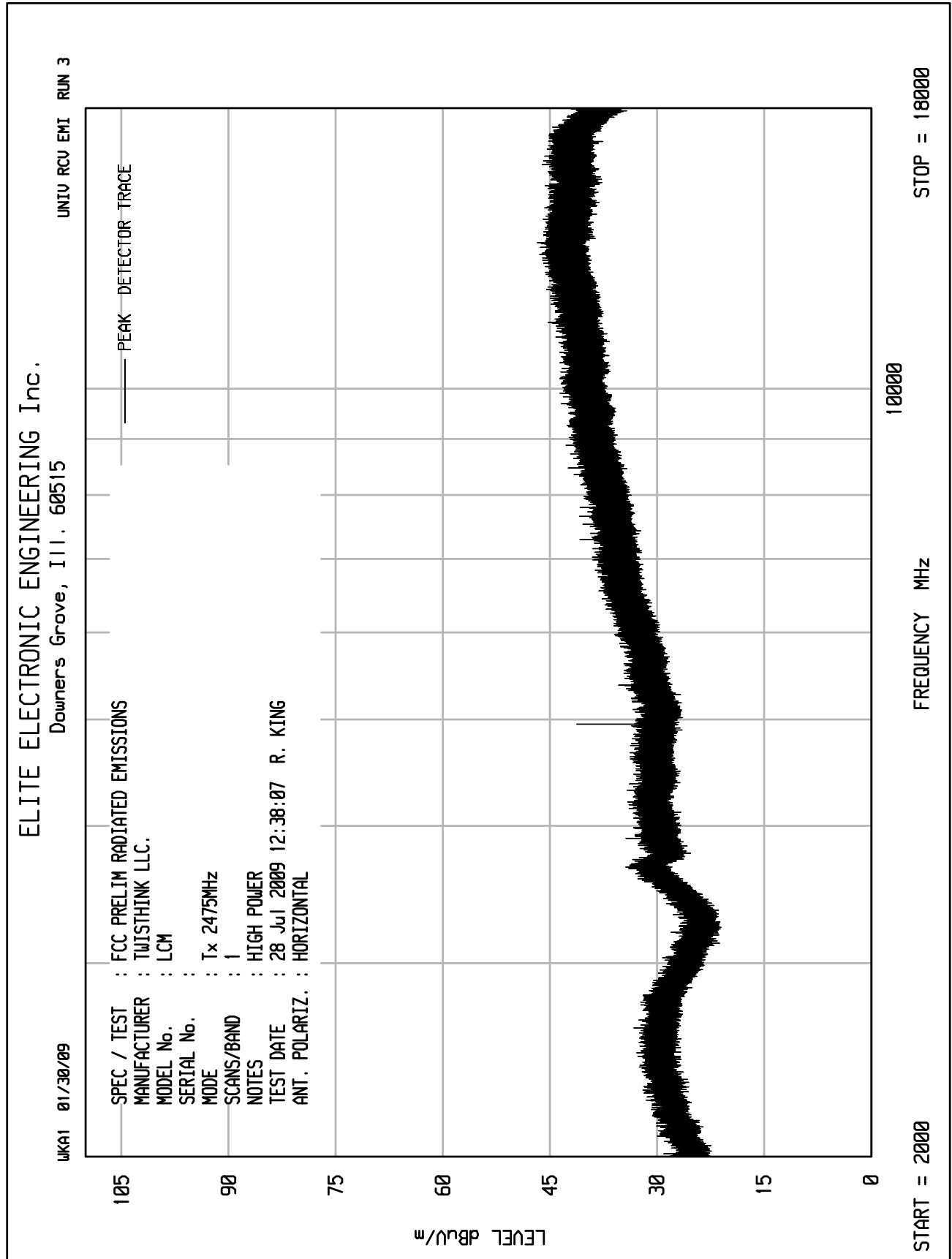
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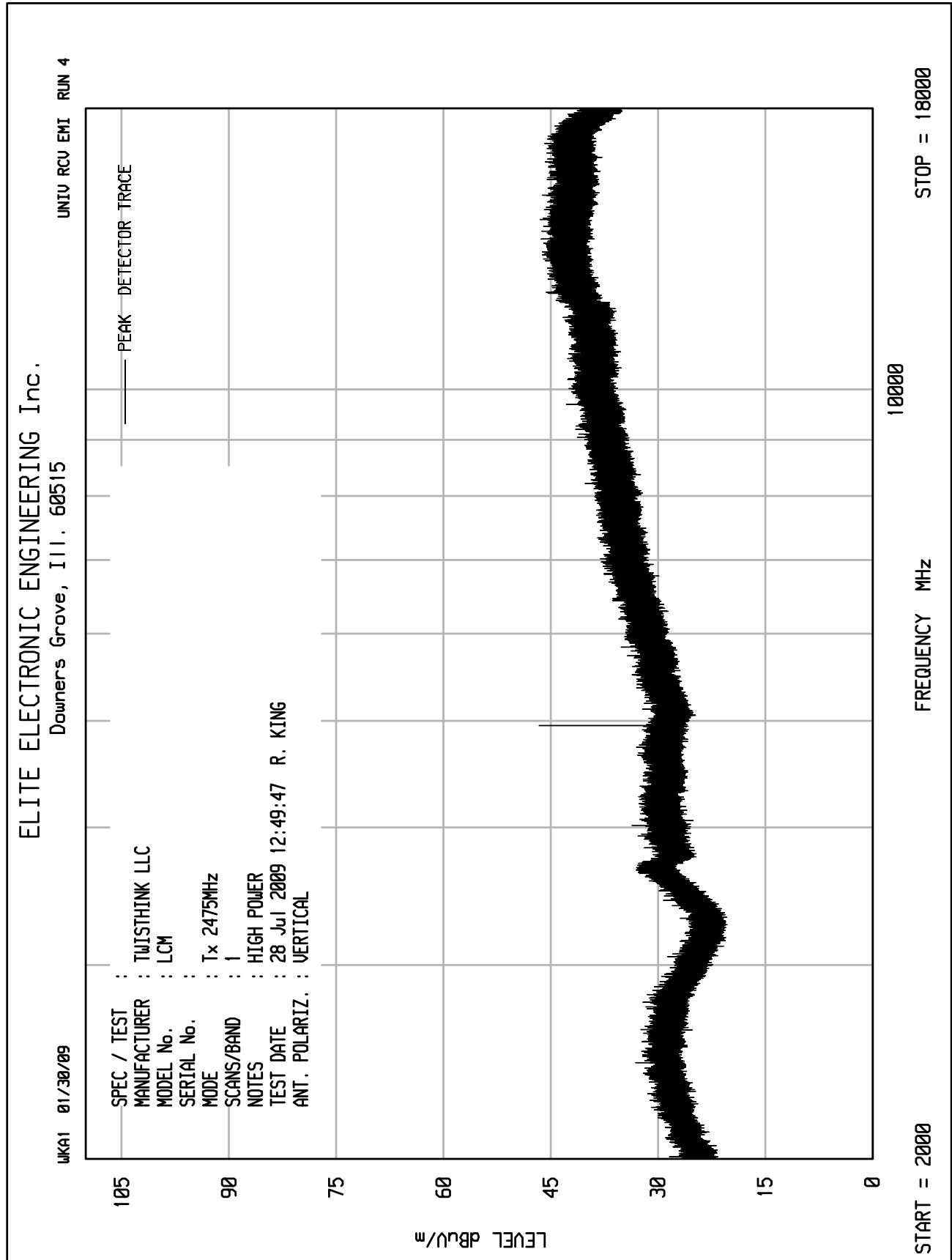


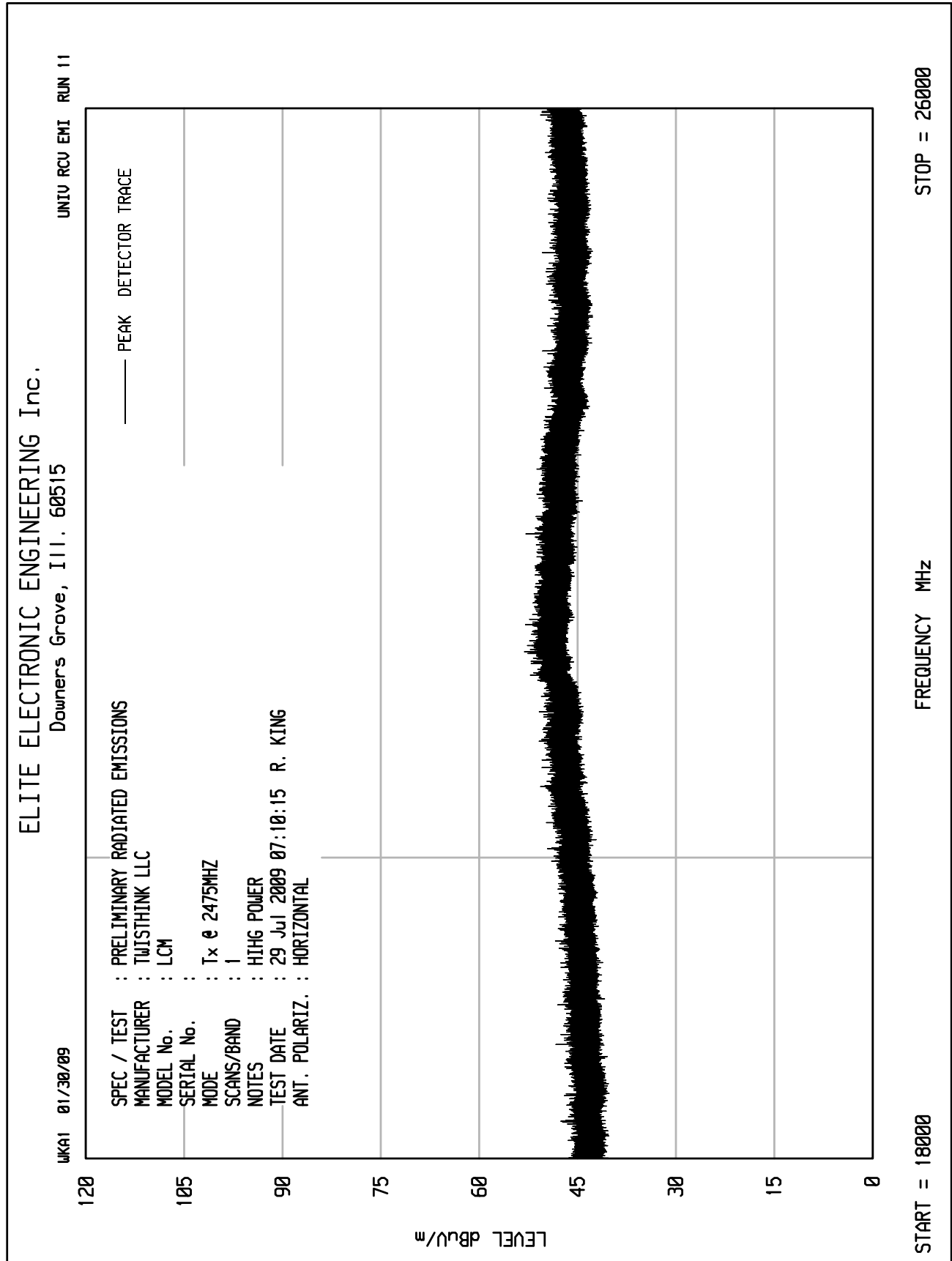




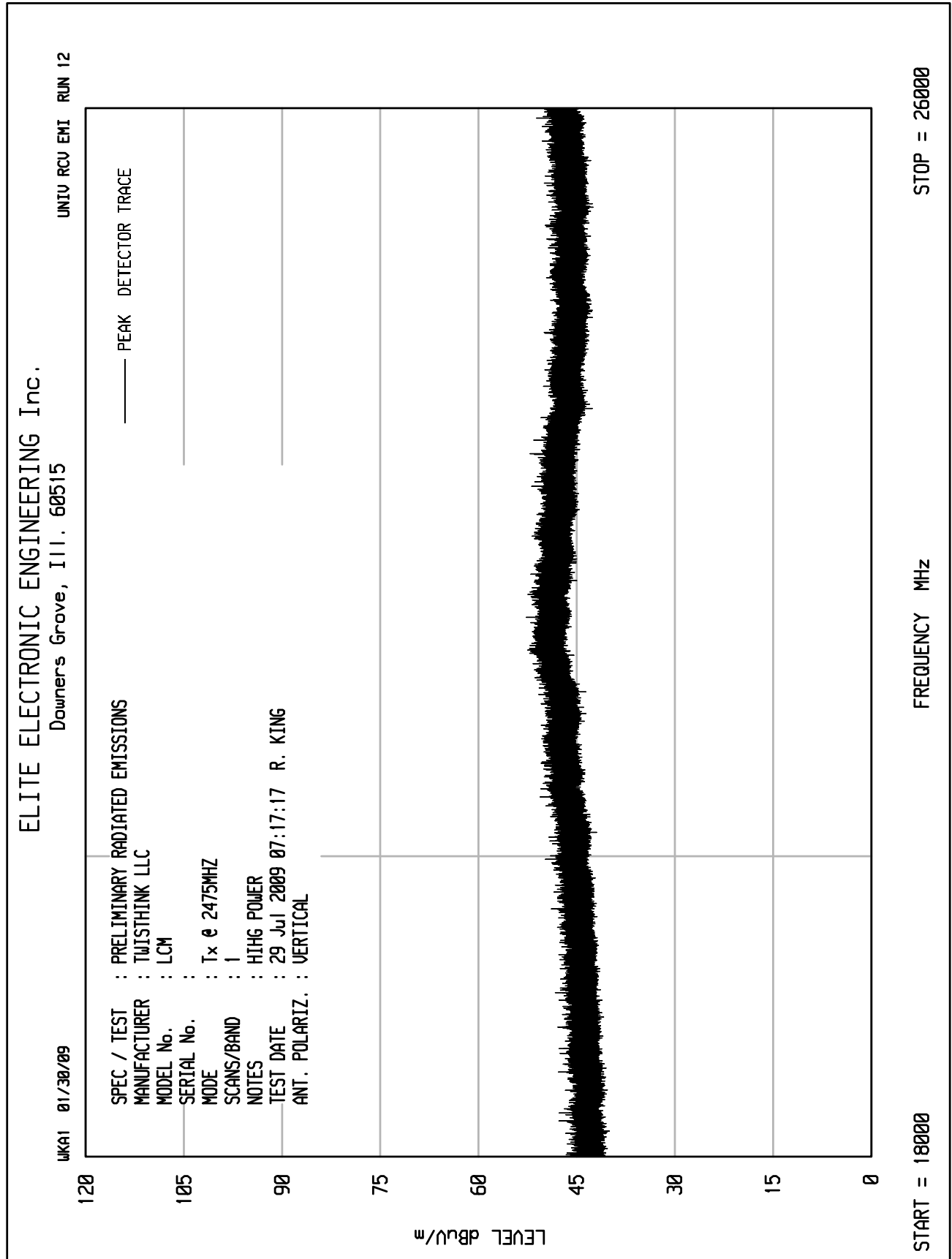














Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2405MHz  
Transmit Power : Low  
Test Distance : 3 meters  
Notes : Peak Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
2405.0	H	69.5	3.8	32.6	0.0	105.9	196409.3		
2405.0	V	61.0	3.8	32.6	0.0	97.4	74244.1		
4810.0	H	45.9	5.7	34.7	-40.1	46.2	204.7	5000	-27.8
4810.0	V	48.2	5.7	34.7	-40.1	48.5	266.7	5000	-25.5
7215.0	H	43.2	7.6	36.4	-39.8	47.5	236.7	19724	-38.4
7215.0	V	42.6	7.6	36.4	-39.8	46.9	221.9	19724	-39.0
9620.0	H	43.6	0.9	37.4	-38.8	43.2	144.1	19724	-42.7
9620.0	V	43.6	0.9	37.4	-38.8	43.2	144.1	19724	-42.7
12025.0	H	44.5	1.2	39.9	-39.6	46.0	199.0	5000	-28.0
12025.0	V	43.5	1.2	39.9	-39.6	45.0	177.4	5000	-29.0
14430.0	H	42.9	1.4	39.3	-39.9	43.7	153.4	19724	-42.2
14430.0	V	42.6	1.4	39.3	-39.9	43.5	148.9	19724	-42.4
16835.0	H	42.6	1.8	41.7	-38.7	47.4	234.8	19724	-38.5
16835.0	V	42.2	1.8	41.7	-38.7	47.0	224.5	19724	-38.9
19240.0	H	33.7	2.2	40.4	-40.2	36.1	63.7	5000	-37.9
19240.0	V	34.1	2.2	40.4	-40.2	36.5	66.7	5000	-37.5
21645.0	H	34.6	2.2	40.6	-26.2	51.1	360.8	19724	-34.8
21645.0	V	34.1	2.2	40.6	-26.2	50.6	340.6	19724	-35.3
24050.0	H	33.2	2.2	40.6	-27.4	48.7	270.7	19724	-37.2
24050.0	V	33.6	2.2	40.6	-27.4	49.1	283.5	19724	-36.8

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2405MHz  
Transmit Power : Low  
Test Distance : 3 meters  
Notes : Average Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain + Duty Cycle Factor

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
4810.0	H	45.9		5.7	34.7	-40.1	-41.9	4.3	1.6	500	-49.7
4810.0	V	48.2		5.7	34.7	-40.1	-41.9	6.6	2.1	500	-47.4
12025.0	H	44.5	*	1.2	39.9	-39.6	-41.9	4.1	1.6	500	-49.9
12025.0	V	43.5	*	1.2	39.9	-39.6	-41.9	3.1	1.4	500	-50.9
19240.0	H	33.7	*	2.2	40.4	-40.2	-41.9	-5.8	0.5	500	-59.8
19240.0	V	34.1	*	2.2	40.4	-40.2	-41.9	-5.4	0.5	500	-59.4

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2405MHz  
Transmit Power : High  
Test Distance : 3 meters  
Notes : Peak Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
2405.0	H	74.7	3.8	32.6	0.0	111.1	358642.7		
2405.0	V	71.0	3.8	32.6	0.0	107.3	232896.0		
4810.0	H	49.7	5.7	34.7	-40.1	50.1	318.1	5000	-23.9
4810.0	V	52.7	5.7	34.7	-40.1	53.1	451.4	5000	-20.9
7215.0	H	43.8	7.6	36.4	-39.8	48.1	254.5	35892	-43.0
7215.0	V	45.0	7.6	36.4	-39.8	49.3	290.9	35892	-41.8
9620.0	H	41.8	0.9	37.4	-38.8	41.4	116.9	35892	-49.7
9620.0	V	43.0	0.9	37.4	-38.8	42.6	135.3	35892	-48.5
12025.0	H	44.5	1.2	39.9	-39.6	46.0	199.0	5000	-28.0
12025.0	V	43.5	1.2	39.9	-39.6	45.0	177.4	5000	-29.0
14430.0	H	42.9	1.4	39.3	-39.9	43.7	153.4	35892	-47.4
14430.0	V	42.6	1.4	39.3	-39.9	43.5	148.9	35892	-47.6
16835.0	H	42.6	1.8	41.7	-38.7	47.4	234.8	35892	-43.7
16835.0	V	42.2	1.8	41.7	-38.7	47.0	224.5	35892	-44.1
19240.0	H	33.7	2.2	40.4	-40.2	36.1	63.7	5000	-37.9
19240.0	V	34.1	2.2	40.4	-40.2	36.5	66.7	5000	-37.5
21645.0	H	34.6	2.2	40.6	-26.2	51.1	360.8	35892	-40.0
21645.0	V	34.1	2.2	40.6	-26.2	50.6	340.6	35892	-40.5
24050.0	H	33.2	2.2	40.6	-27.4	48.7	270.7	35892	-42.4
24050.0	V	33.6	2.2	40.6	-27.4	49.1	283.5	35892	-42.0

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2405MHz  
Transmit Power : High  
Test Distance : 3 meters  
Notes : Average Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain + Duty Cycle Factor

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
4810.0	H	49.7		5.7	34.7	-40.1	-41.9	8.2	2.6	500	-45.8
4810.0	V	52.7		5.7	34.7	-40.1	-41.9	11.2	3.6	500	-42.8
12025.0	H	44.5	*	1.2	39.9	-39.6	-41.9	4.1	1.6	500	-49.9
12025.0	V	43.5	*	1.2	39.9	-39.6	-41.9	3.1	1.4	500	-50.9
19240.0	H	33.7	*	2.2	40.4	-40.2	-41.9	-5.8	0.5	500	-59.8
19240.0	V	34.1	*	2.2	40.4	-40.2	-41.9	-5.4	0.5	500	-59.4

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2440MHz  
Transmit Power : Low  
Test Distance : 3 meters  
Notes : Peak Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
2440.0	H	68.7	3.8	32.6	0.0	105.1	179293.8		
2440.0	V	60.1	3.8	32.6	0.0	96.5	66844.5		
4880.0	H	42.3	5.7	34.7	-40.1	42.6	135.6	5000	-31.3
4880.0	V	43.2	5.7	34.7	-40.1	43.5	149.4	5000	-30.5
7320.0	H	42.2	7.7	36.5	-39.8	46.6	214.1	5000	-27.4
7320.0	V	42.0	7.7	36.5	-39.8	46.5	210.4	5000	-27.5
9760.0	H	41.9	1.0	37.6	-38.7	41.8	122.6	17989	-43.3
9760.0	V	42.9	1.0	37.6	-38.7	42.8	137.4	17989	-42.3
12200.0	H	43.6	1.2	39.9	-39.4	45.2	182.8	5000	-28.7
12200.0	V	43.6	1.2	39.9	-39.4	45.2	182.8	5000	-28.7
14640.0	H	44.5	1.5	39.5	-40.1	45.4	186.7	17989	-39.7
14640.0	V	43.5	1.5	39.5	-40.1	44.4	166.4	17989	-40.7
17080.0	H	42.9	1.9	41.8	-38.7	47.9	247.0	17989	-37.2
17080.0	V	42.6	1.9	41.8	-38.7	47.6	239.7	17989	-37.5
19520.0	H	33.7	2.2	40.4	-40.2	36.1	63.9	5000	-37.9
19520.0	V	34.1	2.2	40.4	-40.2	36.5	67.0	5000	-37.5
21960.0	H	34.6	2.2	40.6	-26.9	50.5	333.6	17989	-34.6
21960.0	V	34.1	2.2	40.6	-26.9	50.0	315.0	17989	-35.1
24400.0	H	33.2	2.2	40.6	-27.5	48.6	268.8	17989	-36.5
24400.0	V	33.6	2.2	40.6	-27.5	49.0	281.4	17989	-36.1

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2440MHz  
Transmit Power : Low  
Test Distance : 3 meters  
Notes : Average Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain + Duty Cycle Factor

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
4880.0	H	42.3		5.7	34.7	-40.1	-41.9	0.7	1.1	500	-53.2
4880.0	V	43.2		5.7	34.7	-40.1	-41.9	1.6	1.2	500	-52.4
7320.0	H	42.2	*	7.7	36.5	-39.8	-41.9	4.7	1.7	500	-49.3
7320.0	V	42.0	*	7.7	36.5	-39.8	-41.9	4.6	1.7	500	-49.4
12200.0	H	43.6	*	1.2	39.9	-39.4	-41.9	3.3	1.5	500	-50.6
12200.0	V	43.6	*	1.2	39.9	-39.4	-41.9	3.3	1.5	500	-50.6
19520.0	H	33.7	*	2.2	40.4	-40.2	-41.9	-5.8	0.5	500	-59.8
19520.0	V	34.1	*	2.2	40.4	-40.2	-41.9	-5.4	0.5	500	-59.4

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2440MHz  
Transmit Power : High  
Test Distance : 3 meters  
Notes : Peak Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
2440.0	H	74.3	3.8	32.6	0.0	110.7	342819.4		
2440.0	V	68.1	3.8	32.6	0.0	104.5	167326.8		
4880.0	H	50.6	5.7	34.7	-40.1	50.9	350.5	5000	-23.1
4880.0	V	54.4	5.7	34.7	-40.1	54.7	541.7	5000	-19.3
7320.0	H	44.2	7.7	36.5	-39.8	48.7	271.1	5000	-25.3
7320.0	V	42.6	7.7	36.5	-39.8	47.0	224.7	5000	-26.9
9760.0	H	43.0	1.0	37.6	-38.7	42.9	139.6	34277	-47.8
9760.0	V	43.0	1.0	37.6	-38.7	42.9	139.6	34277	-47.8
12200.0	H	43.6	1.2	39.9	-39.4	45.2	182.8	5000	-28.7
12200.0	V	43.6	1.2	39.9	-39.4	45.2	182.8	5000	-28.7
14640.0	H	44.5	1.5	39.5	-40.1	45.4	186.7	34277	-45.3
14640.0	V	43.5	1.5	39.5	-40.1	44.4	166.4	34277	-46.3
17080.0	H	42.9	1.9	41.8	-38.7	47.9	247.0	34277	-42.8
17080.0	V	42.6	1.9	41.8	-38.7	47.6	239.7	34277	-43.1
19520.0	H	33.7	2.2	40.4	-40.2	36.1	63.9	5000	-37.9
19520.0	V	34.1	2.2	40.4	-40.2	36.5	67.0	5000	-37.5
21960.0	H	34.6	2.2	40.6	-26.9	50.5	333.6	34277	-40.2
21960.0	V	34.1	2.2	40.6	-26.9	50.0	315.0	34277	-40.7
24400.0	H	33.2	2.2	40.6	-27.5	48.6	268.8	34277	-42.1
24400.0	V	33.6	2.2	40.6	-27.5	49.0	281.4	34277	-41.7

Checked BY RICHARD E. KING :

Richard E. King





Manufacturer : Twisthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2440MHz  
Transmit Power : High  
Test Distance : 3 meters  
Notes : Average Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain + Duty Cycle Factor

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
4880.0	H	50.6		5.7	34.7	-40.1	-41.9	9.0	2.8	500	-45.0
4880.0	V	54.4		5.7	34.7	-40.1	-41.9	12.8	4.4	500	-41.2
7320.0	H	44.2	*	7.7	36.5	-39.8	-41.9	6.8	2.2	500	-47.2
7320.0	V	42.6	*	7.7	36.5	-39.8	-41.9	5.1	1.8	500	-48.8
12200.0	H	43.6	*	1.2	39.9	-39.4	-41.9	3.3	1.5	500	-50.6
12200.0	V	43.6	*	1.2	39.9	-39.4	-41.9	3.3	1.5	500	-50.6
19520.0	H	33.7	*	2.2	40.4	-40.2	-41.9	-5.8	0.5	500	-59.8
19520.0	V	34.1	*	2.2	40.4	-40.2	-41.9	-5.4	0.5	500	-59.4

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2475MHz  
Transmit Power : Low  
Test Distance : 3 meters  
Notes : Peak Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
2475.0	H	66.8	3.8	32.6	0.0	103.2	144693.4		
2475.0	V	64.2	3.8	32.6	0.0	100.7	108006.2		
4950.0	H	49.6	5.8	34.6	-40.2	49.9	311.2	5000	-24.1
4950.0	V	49.6	5.8	34.6	-40.2	49.9	311.9	5000	-24.1
7425.0	H	41.5	7.7	36.6	-39.7	46.0	200.5	5000	-27.9
7425.0	V	42.0	7.7	36.6	-39.7	46.6	212.8	5000	-27.4
9900.0	H	41.8	1.0	37.8	-38.6	41.9	124.1	14454	-41.3
9900.0	V	42.5	1.0	37.8	-38.6	42.6	135.3	14454	-40.6
12375.0	H	43.6	1.2	39.9	-39.3	45.4	186.9	5000	-28.5
12375.0	V	43.6	1.2	39.9	-39.3	45.4	186.9	5000	-28.5
14850.0	H	44.5	1.5	39.9	-40.2	45.6	190.8	14454	-37.6
14850.0	V	43.5	1.5	39.9	-40.2	44.6	170.0	14454	-38.6
17325.0	H	42.9	2.0	41.6	-39.0	47.5	237.2	14454	-35.7
17325.0	V	42.6	2.0	41.6	-39.0	47.2	230.2	14454	-36.0
19800.0	H	33.7	2.2	40.4	-40.2	36.1	64.0	5000	-37.9
19800.0	V	34.1	2.2	40.4	-40.2	36.5	67.0	5000	-37.5
22275.0	H	34.6	2.2	40.6	-27.1	50.3	328.7	5000	-23.6
22275.0	V	34.1	2.2	40.6	-27.1	49.8	310.3	5000	-24.1
24750.0	H	33.2	2.2	40.7	-27.2	48.8	275.8	14454	-34.4
24750.0	V	33.6	2.2	40.7	-27.2	49.2	288.8	14454	-34.0

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2475MHz  
Transmit Power : Low  
Test Distance : 3 meters  
Notes : Average Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain + Duty Cycle Factor

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
4950.0	H	49.6		5.8	34.6	-40.2	-41.9	8.0	2.5	500	-46.0
4950.0	V	49.6		5.8	34.6	-40.2	-41.9	8.0	2.5	500	-46.0
7425.0	H	41.5	*	7.7	36.6	-39.7	-41.9	4.1	1.6	500	-49.8
7425.0	V	42.0	*	7.7	36.6	-39.7	-41.9	4.7	1.7	500	-49.3
12375.0	H	43.6	*	1.2	39.9	-39.3	-41.9	3.5	1.5	500	-50.4
12375.0	V	43.6	*	1.2	39.9	-39.3	-41.9	3.5	1.5	500	-50.4
19800.0	H	33.7	*	2.2	40.4	-40.2	-41.9	-5.8	0.5	500	-59.8
19800.0	V	34.1	*	2.2	40.4	-40.2	-41.9	-5.4	0.5	500	-59.4
22275.0	H	34.6	*	2.2	40.6	-27.1	-41.9	8.4	2.6	500	-45.5
22275.0	V	34.1	*	2.2	40.6	-27.1	-41.9	7.9	2.5	500	-46.0

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2475MHz  
Transmit Power : High  
Test Distance : 3 meters  
Notes : Peak Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
2475.0	H	72.5	3.8	32.6	0.0	108.9	278579.3		
2475.0	V	66.3	3.8	32.6	0.0	102.7	136285.2		
4950.0	H	51.0	5.8	34.6	-40.2	51.2	365.2	5000	-22.7
4950.0	V	52.6	5.8	34.6	-40.2	52.9	441.1	5000	-21.1
7425.0	H	41.5	7.7	36.6	-39.7	46.0	200.2	5000	-27.9
7425.0	V	41.8	7.7	36.6	-39.7	46.3	206.1	5000	-27.7
9900.0	H	41.8	1.0	37.8	-38.6	41.9	124.1	27861	-47.0
9900.0	V	42.5	1.0	37.8	-38.6	42.6	135.3	27861	-46.3
12375.0	H	43.6	1.2	39.9	-39.3	45.4	186.9	5000	-28.5
12375.0	V	43.6	1.2	39.9	-39.3	45.4	186.9	5000	-28.5
14850.0	H	44.5	1.5	39.9	-40.2	45.6	190.8	27861	-43.3
14850.0	V	43.5	1.5	39.9	-40.2	44.6	170.0	27861	-44.3
17325.0	H	42.9	2.0	41.6	-39.0	47.5	237.2	27861	-41.4
17325.0	V	42.6	2.0	41.6	-39.0	47.2	230.2	27861	-41.7
19800.0	H	33.7	2.2	40.4	-40.2	36.1	63.9	5000	-37.9
19800.0	V	34.1	2.2	40.4	-40.2	36.5	66.9	5000	-37.5
22275.0	H	34.6	2.2	40.6	-27.1	50.3	327.9	5000	-23.7
22275.0	V	34.1	2.2	40.6	-27.1	49.8	309.6	5000	-24.2
24750.0	H	33.2	2.2	40.7	-27.2	48.8	274.2	27861	-40.1
24750.0	V	33.6	2.2	40.7	-27.2	49.2	287.4	27861	-39.7

Checked BY RICHARD E. KING :

Richard E. King



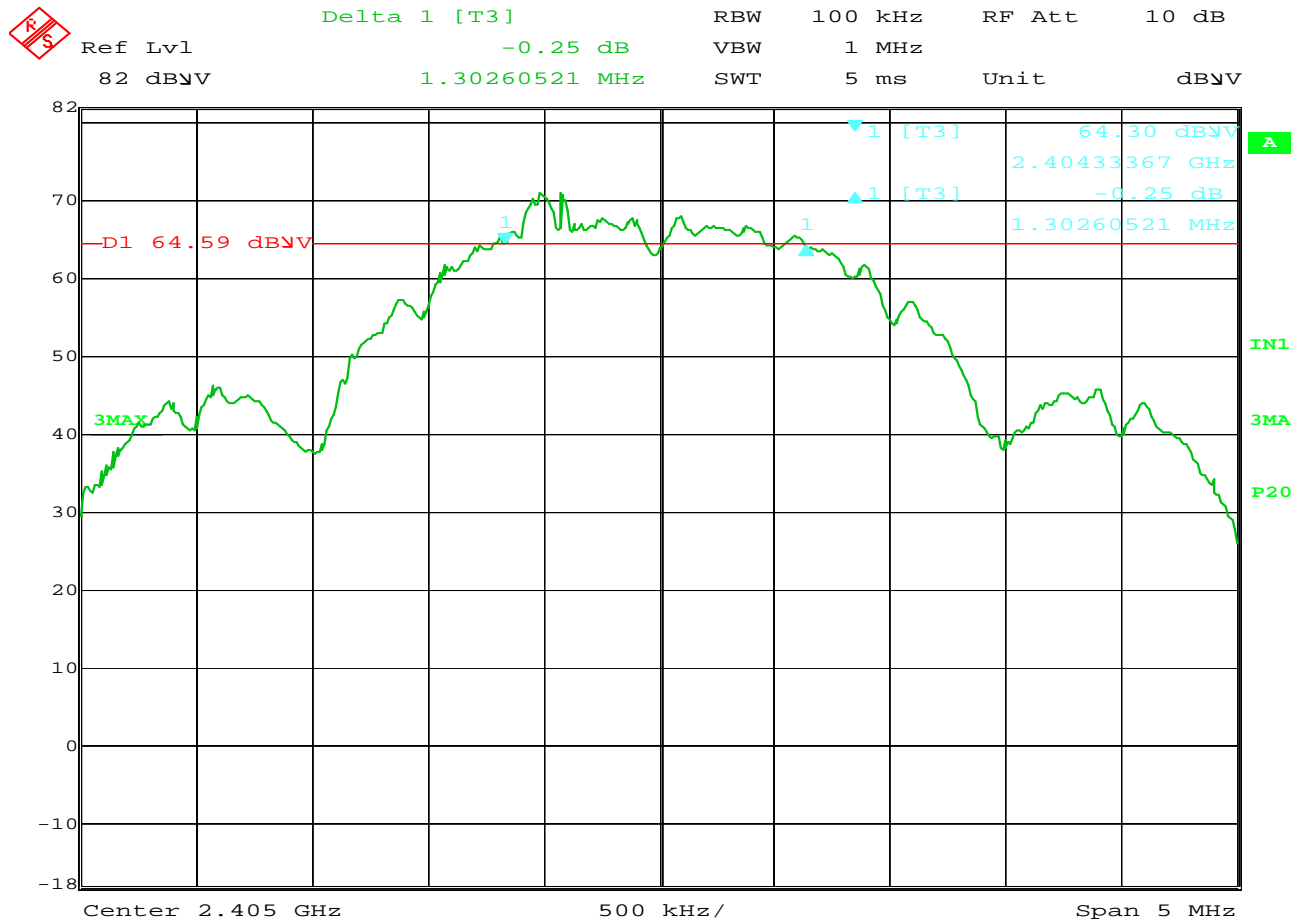
Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Radiated Emissions  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2475MHz  
Transmit Power : High  
Test Distance : 3 meters  
Notes : Average Data

Total = Meter Reading + Cable Loss + Antenna Factor + Preamp Gain + Duty Cycle Factor

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 M	Total uV/m at 3M	Limit uV/m at 3M	Margin (dB)
4950.0	H	51.0		5.8	34.6	-40.2	-41.9	9.3	2.9	500	-44.6
4950.0	V	52.6		5.8	34.6	-40.2	-41.9	11.0	3.5	500	-43.0
7425.0	H	41.5	*	7.7	36.6	-39.7	-41.9	4.1	1.6	500	-49.8
7425.0	V	41.8	*	7.7	36.6	-39.7	-41.9	4.4	1.7	500	-49.6
12375.0	H	43.6	*	1.2	39.9	-39.3	-41.9	3.5	1.5	500	-50.4
12375.0	V	43.6	*	1.2	39.9	-39.3	-41.9	3.5	1.5	500	-50.4
19800.0	H	33.7	*	2.2	40.4	-40.2	-41.9	-5.8	0.5	500	-59.8
19800.0	V	34.1	*	2.2	40.4	-40.2	-41.9	-5.4	0.5	500	-59.4
22275.0	H	34.6	*	2.2	40.6	-27.1	-41.9	8.4	2.6	500	-45.6
22275.0	V	34.1	*	2.2	40.6	-27.1	-41.9	7.9	2.5	500	-46.1

Checked BY RICHARD E. KING :

Richard E. King

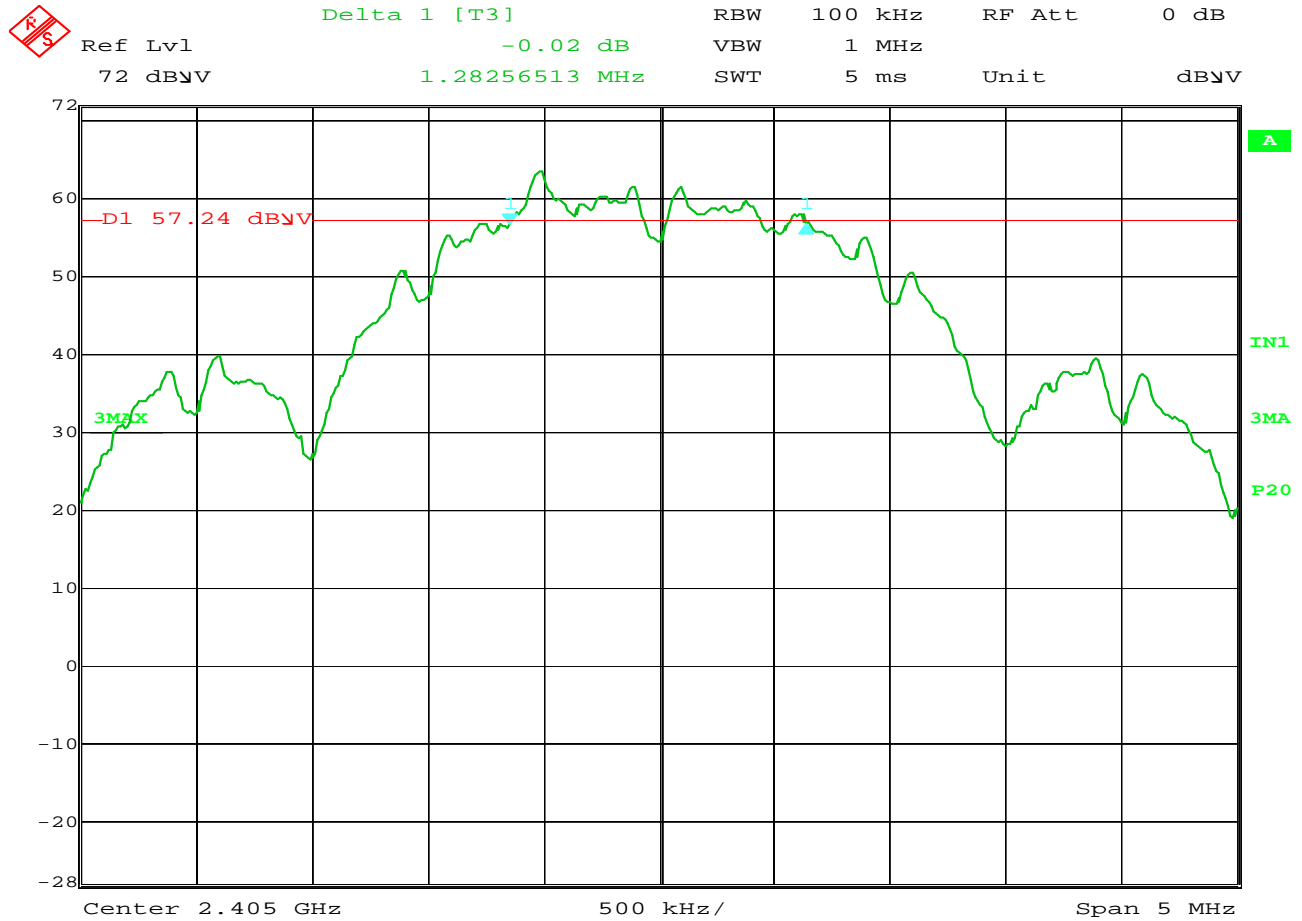


Date: 30.JUL.2009 06:14:30

**FCC 15.247 6dB Bandwidth**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2405MHz  
TEST PARAMETERS : 6dB bandwidth at 2405MHz  
NOTES : High Power

NOTES

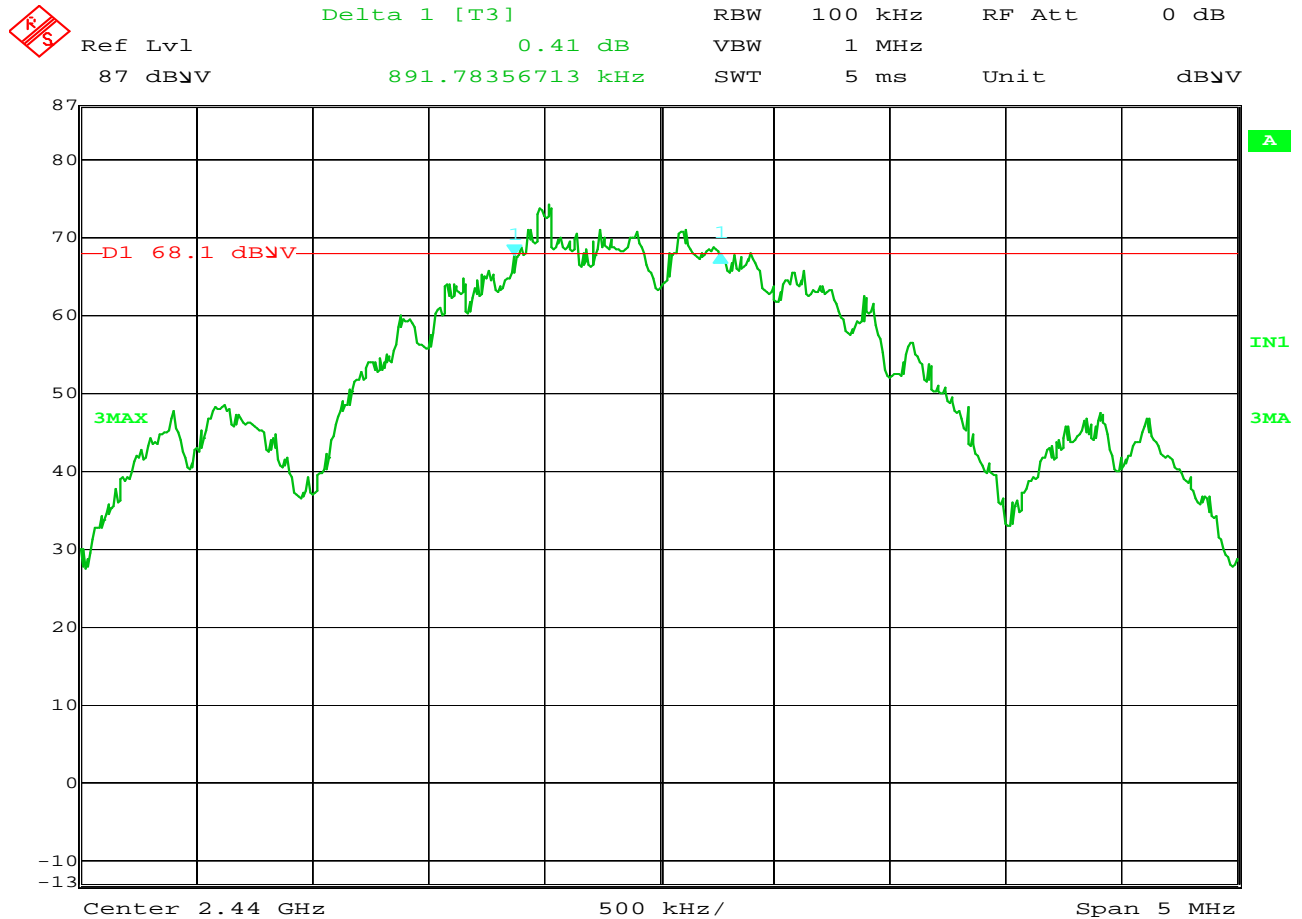


Date: 30.JUL.2009 06:03:11

**FCC 15.247 6dB Bandwidth**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2405MHz  
TEST PARAMETERS : 6dB bandwidth at 2405MHz  
NOTES : Low Power

NOTES



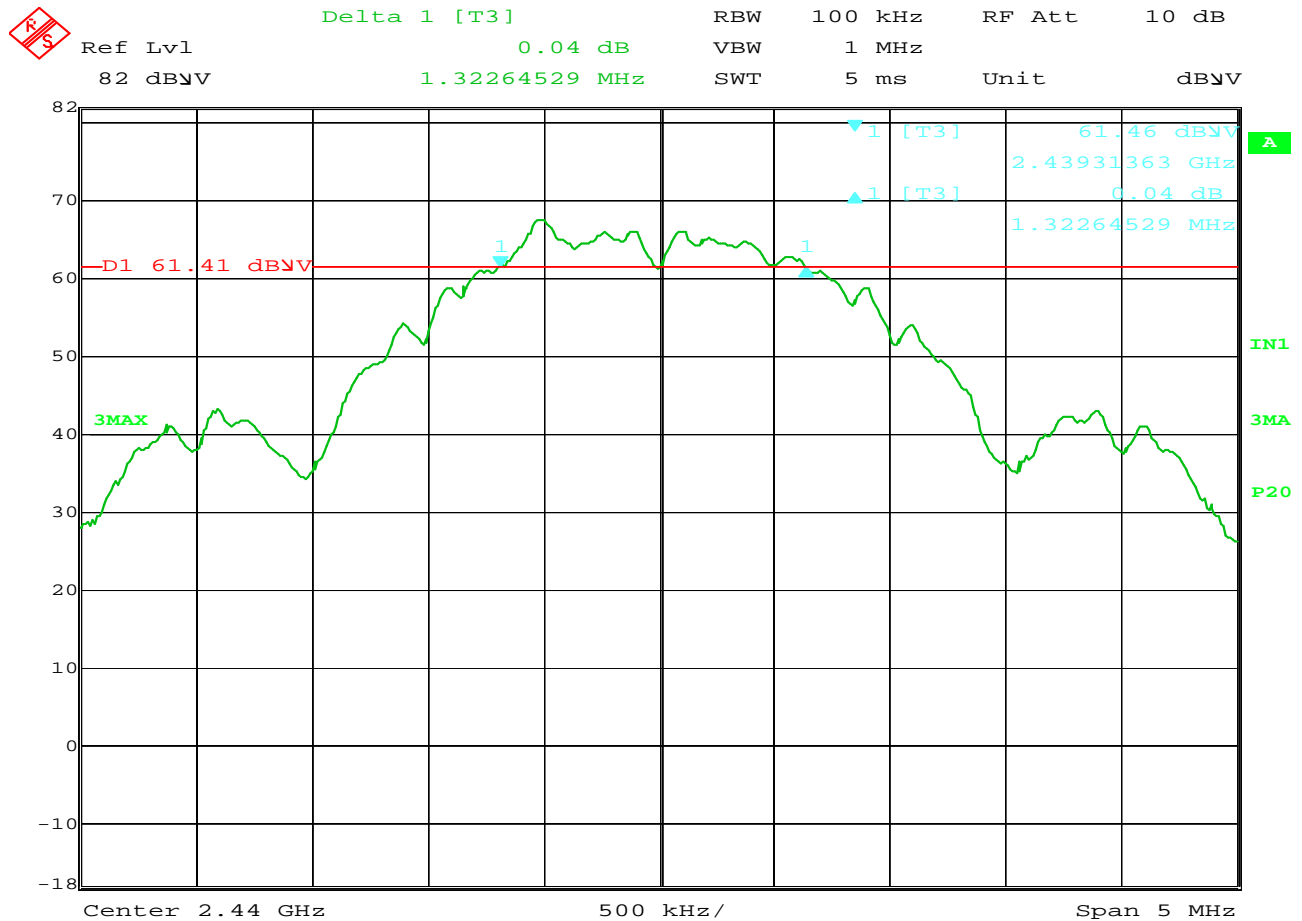
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**FCC 15.247 6dB Bandwidth**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2440MHz  
TEST PARAMETERS : 6dB bandwidth at 2440MHz  
NOTES : High Power

NOTES



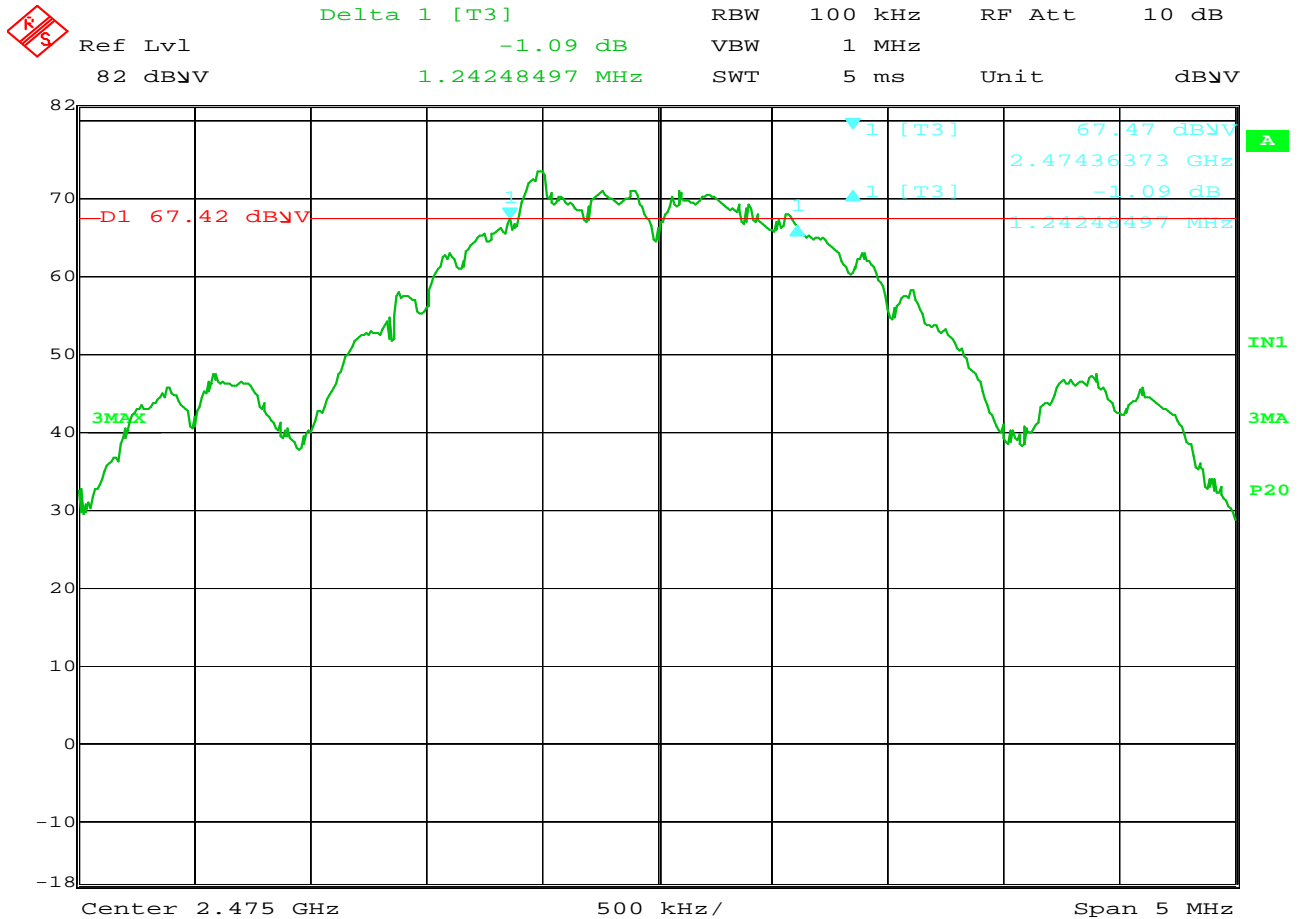


Date: 30.JUL.2009 06:39:45

**FCC 15.247 6dB Bandwidth**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2440MHz  
TEST PARAMETERS : 6dB bandwidth at 2440MHz  
NOTES : Low Power

NOTES

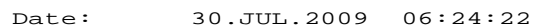


Date: 30.JUL.2009 06:28:58

**FCC 15.247 6dB Bandwidth**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2475MHz  
TEST PARAMETERS : 6dB bandwidth at 2475MHz  
NOTES : High Power

NOTES



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MANUFACTURER      : Twisthink, LLC
PRODUCT NAME      : Light Control Module (LCM)
MODEL NUMBER      : XF0306 REV.4 Board 6
TEST MODE         : Transmit @ 2475MHz
TEST PARAMETERS   : 6dB bandwidth at 2475MHz
NOTES             : Low Power
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Page 111 of 118



## DATA SHEET

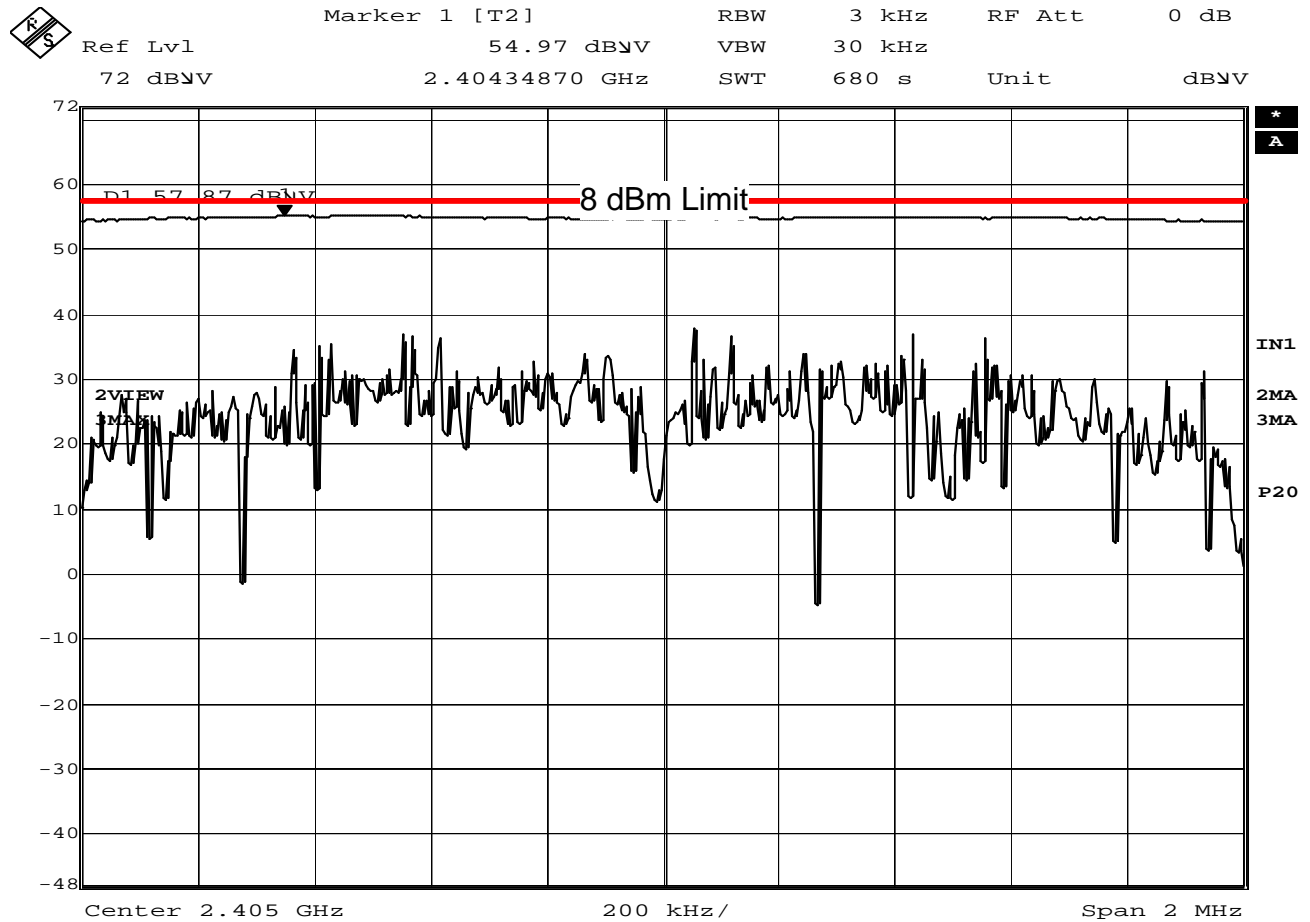
Manufacturer : Twistthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Peak Output Power  
Date : July 27 through August 10, 2009  
Notes : EIRP = Matched Signal - Cable Loss + Antenna Gain

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Matched SIG. GEN. (dB)	Equilent Ant Gain (dB)	CBL (dB)	Total (dBm)	Limit
2405MHz Low Power							
2405.0	H	69.5	3.5	5.2	2.7	6.0	36
2405.0	V	61.0	-5.1	5.2	2.7	-2.6	36
2405MHz High Power							
2405.0	H	74.5	8.7	5.2	2.7	11.2	36
2405.0	V	71.0	4.7	5.2	2.7	7.2	36
2440MHz Low Power							
2440.0	H	68.7	2.2	5.4	2.7	4.9	36
2440.0	V	60.1	-6.3	5.4	2.7	-3.6	36
2440MHz High Power							
2440.0	H	74.3	7.9	5.4	2.7	10.6	36
2440.0	V	68.1	1.5	5.4	2.7	4.2	36
2475MHz Low Power							
2475.0	H	66.8	-1.2	5.5	2.7	1.6	36
2475.0	V	64.2	-4.0	5.5	2.7	-1.2	36
2475MHz High Power							
2475.0	H	72.5	4.7	5.5	2.7	7.5	36
2475.0	V	66.3	-2.1	5.5	2.7	0.7	36

Checked BY RICHARD E. KING :

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Richard E. King

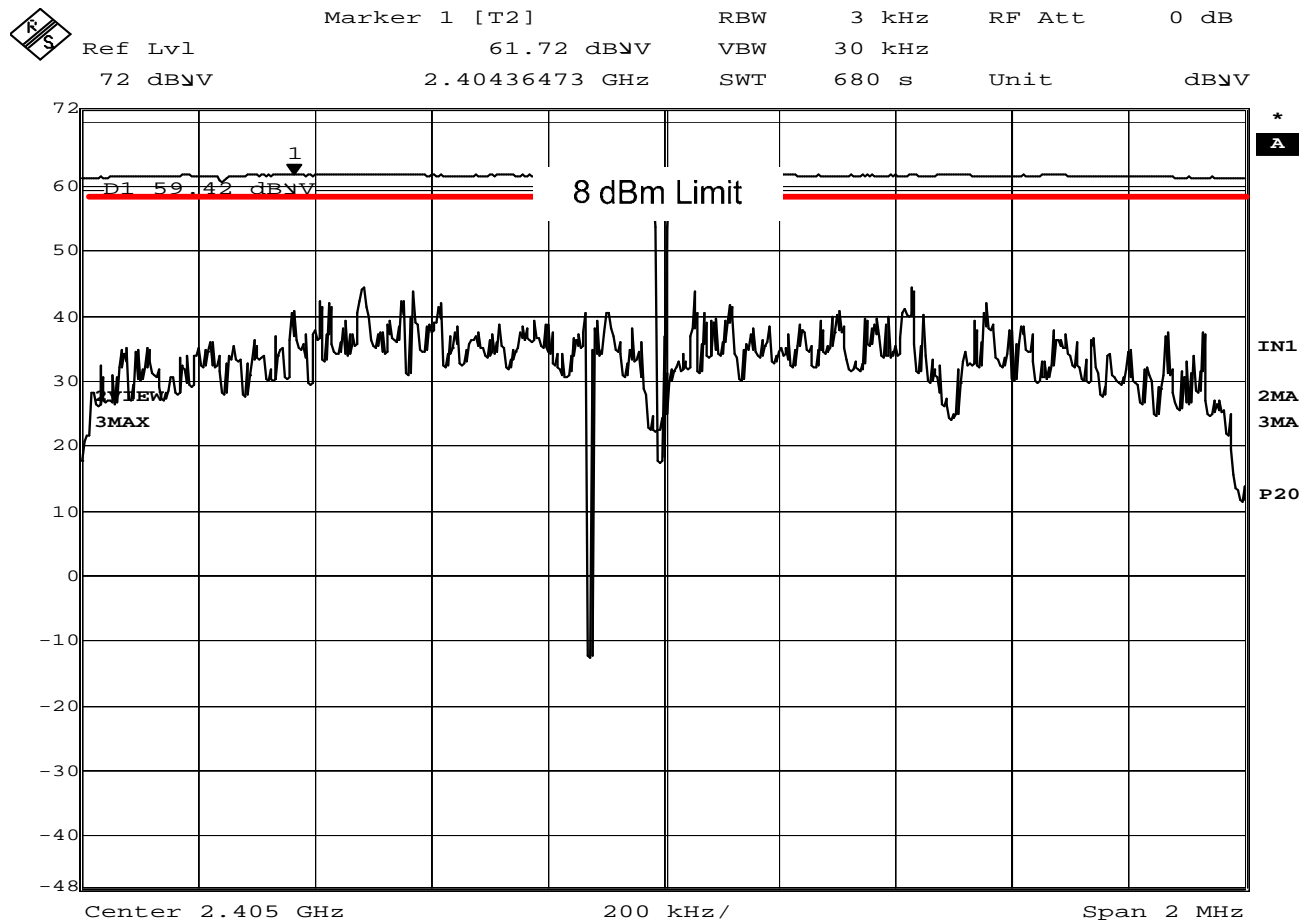


Date: 10.AUG.2009 20:04:44

**FCC 15.247 Power Spectral Density**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2405MHz  
TEST POWER : Low  
TEST PARAMETERS : Power Spectral Density at 2405MHz  
NOTES : (Based on matching, 54.97dBuV level represents an  
: EIRP reading of 6.0 dBm. Therefore a +8dBm level  
: would be represented by a level of 56.97dBuV  
: (56.97dBuV = 54.97dBuV + (8dB - 6dB)).  
EQUIPMENT USED : RBB0, NWF0

**NOTES**

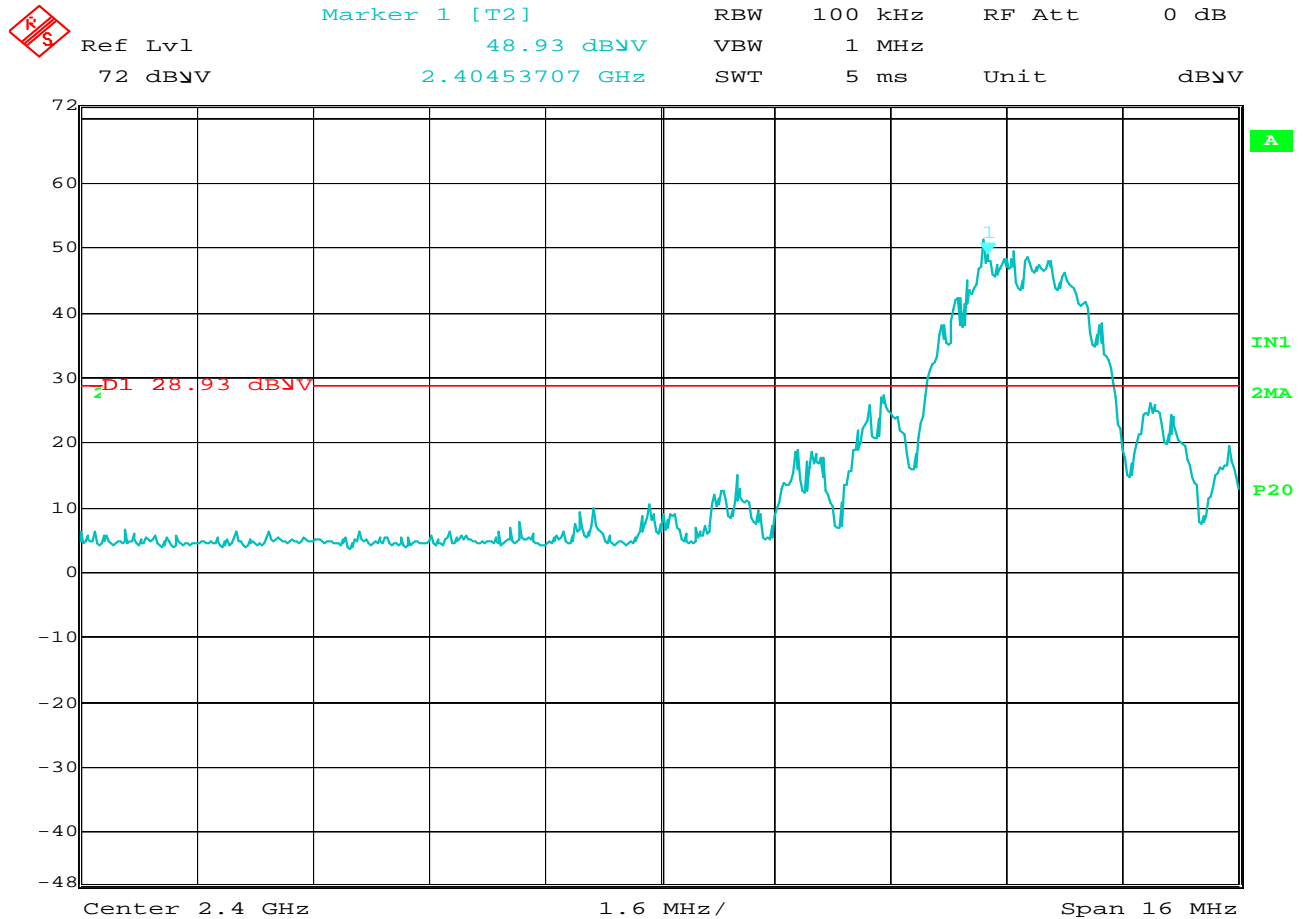


Date: 10.AUG.2009 19:55:10

**FCC 15.247 Power Spectral Density**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2405MHz  
TEST PARAMETERS : Power Spectral Density at 2405MHz  
NOTES : (Based on matching, 61.72dBμV level represents an  
: EIRP reading of 11.2dBm. Therefore a +8dBm level  
: would be represented by a level of 58.52dBμV  
: (58.52 = 61.72dB + (8dB - 11.2dB)).  
EQUIPMENT USED : RBB0, NWF0

**NOTES**

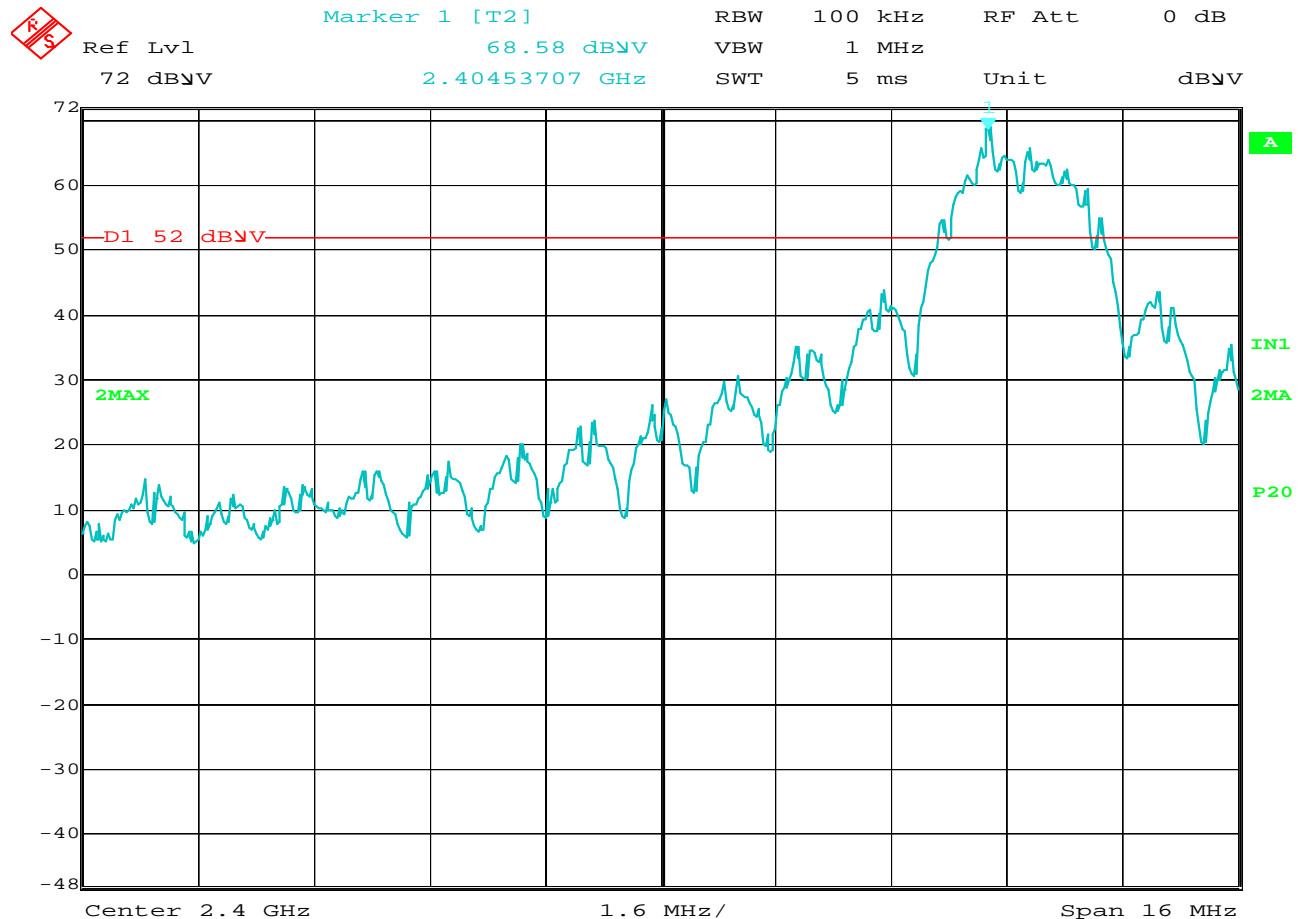


Date: 10.AUG.2009 15:15:10

**FCC 15.247 Band Edge Compliance**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2405MHz  
TEST ITEM POWER : Low Power  
TEST PARAMETERS : Band Edge Compliance at 2400MHz  
NOTES : Center is at 2400MHz  
EQUIPMENT USED : RBB0, NWF0

NOTES



Date: 10.AUG.2009 15:06:26

**FCC 15.247 Band Edge Compliance**

MANUFACTURER : Twisthink, LLC  
PRODUCT NAME : Light Control Module (LCM)  
MODEL NUMBER : XF0306 REV.4 Board 6  
TEST MODE : Transmit @ 2405MHz  
TEST ITEM POWER : High Power  
TEST PARAMETERS : Band Edge Compliance at 2400MHz  
NOTES : Center is at 2400MHz  
EQUIPMENT USED : RBB0, NWF0

NOTES





Manufacturer : Twisthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Band-edge compliance  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2475MHz  
Test Item Power : Low Power  
Test Distance : 3 meters  
Notes : none

Frequency MHz	Antenna Polarity	Meter Reading dBuV	Amb	Cable Loss dB	Antenna Factor dB	Total dBuV/m	Total uV/m	Limit uV/m
2483.5	H	14.6	*	3.4	31.4	49.5	297.6	500
2483.5	V	16.5	*	3.4	31.4	51.4	370.3	500

Total = Meter Reading + Cable Loss + Antenna Factor

Checked BY RICHARD E. KING :

Richard E. King



Manufacturer : Twisthink, LLC  
Test Item : Light Control Module (LCM)  
Model No. : XF0306 REV.4 Board 6  
Test Specification : FCC Part 15, Subpart C, Section 15.247, Band-edge compliance  
Date : July 27 through August 10, 2009  
Mode : Transmit @ 2475MHz  
Test Item Power : High Power  
Test Distance : 3 meters  
Notes : none

Frequency MHz	Antenna Polarity	Meter Reading dBuV	Amb	Cable Loss dB	Antenna Factor dB	Total dBuV/m	Total uV/m	Limit uV/m
2483.5	H	16.7	*	3.4	31.4	51.5	377.6	500
2483.5	V	15.3	*	3.4	31.4	50.2	321.8	500

Total = Meter Reading + Cable Loss + Antenna Factor

Checked BY RICHARD E. KING :

Richard E. King