APPLICANT		MANUFACTURER		
Fomotech Internat	ional Corporation	Fomotech International Corporation		
2F-1, 286-3, Hsin		2F-1, 286-3, Hsin Ya Road		
Chein Chen Distric		Chein Chen District		
Kaohsing, Taiwan		Kaohsing, Taiwan		
TEST SPECIFICAT	FION: FCC Rules and Reg	ulations Part 15, Subpart C, Para. 15.231		
TEST PROCEDUR		· • ·		
ILDITROCLOOK		E DESCRIPTION		
BRANDNAME:				
	TEST SAMPLI	rp. MODEL: Alpha 560		
BRANDNAME:	TEST SAMPLI Fomotech International Co 301.4 MHz Low Power Ro	rp. MODEL: Alpha 560		
BRANDNAME: TYPE: POWER REQUIRE	TEST SAMPLI Fomotech International Co 301.4 MHz Low Power Ro	rp. MODEL: Alpha 560 emote Control Transmitter from (3) 1.5 VDC "AA" Batteries		

TESTS PERFORMED

Para. 15.231(b), Radiated Emissions, Fundamental and Harmonics

Para. 15.231(c), Occupied Bandwidth



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REPORT OF MEASUREMENTS

	REPORT OF MEASUREMENTS
Applicant:	Fomotech International Corp.
Device:	301.4 MHz Low Power Remote Control Transmitter
FCC ID:	LZ6ALPHA506SERIES
Power Requirements:	4.5 VDC derived from (3) 1.5 VDC "AA" Batteries
Applicable Rule Section	on: Part 15, Subpart C, Section 15.231
TEST RESULTS	
15.231 (a) -	The device is used for industrial remote control/security applications (ie: remote control of cranes, hoists, trolleys, etc.)
15.231 (a)(1) & - 15.231(2)	The transmitter is manually operated and ceases transmission within 5 seconds after deactivation.
15.231 (a)(3) -	The transmitter does not perform periodic transmissions.
15.231 (a)(4)-	The device is employed for RC purposes involving security as described in Paragraph 15.231(a) above.
15.231 (b) -	The fundamental field strength did not exceed 5546 μ V/M (Average) at a test distance of 3 meters. In addition, the requirements of section 15.35 for averaging pulsed emissions and for limiting peak emissions were met. The field strength of harmonic and spurious emissions did not exceed 546 μ V/M (AVERAGE).
15.231 (c) -	The device operates at 301.4 MHz. The bandwidth of emissions did not exceed 0.25% of the operating frequency (752.7Hz).

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REPORT OF MEASUREMENTS (continued)

DETERMINATION OF FIELD STRENGTH LIMITS

The field strength limits shown below are found in Section 15.231.

Frequency			Limit	
F1	=	260	3750 =	L1
Fo	=	301.4		Lo
F2	=	470	12500 =	L2

The formula below was utilized to determine the limits:

Limit = L1 + [(Fo-F1)(L2-L1)/(F2-F1)]

Solving yields:

Fundamental Limit = 5,460 μ V/M (AVERAGE) @ 3 Meters

Harmonic Limit = 546 μ V/M (AVERAGE) @ 3 Meters

DETERMINATION OF DUTY CYCLE

The unit's RF output was directly coupled to the input of the spectrum analyzer. The analyzer was set for a frequency span of 0Hz. The sweep time was then adjusted in order to display one full pulse train. The transmitter on time was then summed and compared to the time for one full cycle in order to obtain the duty cycle.

Transmitter On Time=>100.0 milliseconds (maximum- worst case in 100 ms)Transmitter Cycle Time=>100 millisecondsTransmitter Duty Cycle =100 %

SPECTRUM ANALYZER DESENSITIZATION CONSIDERATIONS

NOT APPLICABLE - The device transmits a Continuous Wave (CW) signal.

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GENERAL NOTES

- 1. All readings were taken utilizing a peak detector function at a test distance of 3 meters.
- 2. The duty cycle was applied to the peak readings in order to determine the average value of the emissions.
- 3. All measurements were made with (3) new 1.5 VDC "AA" batteries installed in the unit.
- 4. The frequency range was scanned from 30 MHz to 3.1 GHz. All emissions not reported were more than 20 dB below the specified limit.



Q



Exhibit 6

Report of Measurements

Radiated Emissions Data, Para. 15.231(a)

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Test Method: Customer:			15 Subpart C Rac		s Paragraph 15.2	Job No.	R-8870-1		
Test Sample:		Mitsuboshi Boeki, Inc Remote Control Transmitter				FCC ID:	LZ6ALPHA506SE		
				51		Serial No.	00500056	NIES	
							00300036		
						- 4 - 1	M 1 21 1000		
Fechnician: Dennis Cortes Notes: Test Distance: 3 Meters Temp: 20C					1. 100/	ate:	March 31,1999		
	Detector: 1			np: 20C Humic y Cycle: 100%	11ty: 18%				
	-	enna				Corrected	Converted	Average	
Test Freq.		Height	Orientation	Reading	Factor	Reading	Reading	Limit	
Mhz	(V/H) /	Degrees	X / Y / Z	dBuv	dB	dBuV/m	uV/m	uV/m	
301.4		1.0	Х	61.8	-4.3	57.5	749.9	5460	
301.4		1.0	Y	73.0	-4.3	68.7	2722.7	5460	
301.4		1.0	Z	73.7	-4.3	69.4	2951.2	5460	
301.4		1.4	X	72.3	-4.3	68.0	2511.9	5460	
301.4		1.0	Y	62.1	-4.3	57.8	776.2	5460	
301.4	V /	1.0	Z	63.0	-4.3	58.7	861.0	5460	
602.9	Η/	1.0	Х	31.0	2.5	33.5	47.3	546	
602.9	Η/	1.0	Y	37.9	2.5	40.4	104.7	546	
602.9	Η/	1.3	Z	37.1	2.5	39.6	95.5	546	
602.9	V /	1.5	Х	37.5	2.5	40.0	100.0	546	
602.9		1.5	Y	32.8	2.5	35.3	58.2	546	
602.9	V /	1.2	Z	32.7	2.5	35.2	57.5	546	
904.4	H/	1.0	Х	26.3	7.2	33.5	*47.3	546	
904.4	Η/	1.0	Y	26.3	7.2	33.5	*47.3	546	
904.4	Η/	1.0	Z	26.3	7.2	33.5	*47.3	546	
904.4	V /	1.0	Х	26.3	7.2	33.5	*47.3	546	
904.4		1.0	Y	26.3	7.2	33.5	*47.3	546	
904.4	V /	1.0	Z	26.3	7.2	33.5	*47.3	546	
1205.9	H /	1.0	Х	45.0	-3.9	41.1	113.5	500	
1205.9	Η/	1.1	Y	44.8	-3.9	40.9	110.9	500	
1205.9	Η/	1.0	Ζ	45.1	-3.9	41.2	114.8	500	
1205.9	V /	1.0	Х	46.1	-3.9	42.2	128.8	500	
1205.9	V /	1.0	Y	46.8	-3.9	42.9	139.6	500	
1205.9	V /	1.5	Z	45.6	-3.9	41.7	121.6	500	
1507.3	H/	1.0	Х	42.4	-1.3	41.1	*113.5	500	
1507.3	H /	1.0	Y	42.4	-1.3	41.1	*113.5	500	
1507.3	Η/	1.0	Z	42.4	-1.3	41.1	*113.5	500	
1507.3	V /	1.0	Х	42.4	-1.3	41.1	*113.5	500	
1507.3		1.0	Y	42.4	-1.3	41.1	*113.5	500	
1507.3	V /	1.0	Ζ	42.4	-1.3	41.1	*113.5	500	
			e was scanned fro						
		Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits. *=Noise Floor Measurements (Minimum system sensitivity)							
	*=INOISE	FIGOL MIG	surements (Mini	mum system se	lisitivity)				
	Retlif Testing Laboratories							ories	
						Test	Report No. R-88	370-1	
					— .		5ALPHA506SE		

Test Method: Customer:		FCC Part 15 Subpart C Radiated Emissions Paragraph 15 Mitsuboshi Boeki. Inc				Job No.	R-8870-1		
	;	Remote Control Transmitter				FCC ID:	LZ6ALPHA506SERIES		
Model No.:		1					00500056		
	rating Mode: Continuously Transmitter 301.4 Mhz Signal								
Fechnician:							March 31,1999		
	Test Distan Detector: I	nce: 3 Mete Peak		np: 20C Humid y Cycle: 100%	lity: 18%				
Test Freq.	Ante Pol./H	enna Ieight	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit	
Mhz	(V/H) / 1	Degrees	X / Y / Z	dBuv	dB	dBuV/m	UV/m	uV/m	
1808.8		1.0	Х	42.8	1.5	44.3	*164.1	546	
1808.8		1.0	Y	42.8	1.5	44.3	*164.1	546	
1808.8		1.0	Z	42.8	1.5	44.3	*164.1	546	
1808.8		1.0	X	42.8	1.5	44.3	*164.1	546	
1808.8		1.0	Y	42.8	1.5	44.3	*164.1	546	
1808.8		1.0	Z	42.8	1.5	44.3	*164.1	546	
1000.0	• /		-	12.0	1.0	11.5	10 1.1	5 10	
2110.3	Η/	1.0	Х	42.7	-1.4	41.3	*116.1	546	
2110.3	Η/		Y	42.7	-1.4	41.3	*116.1	546	
2110.3	Η/	1.0	Z	42.7	-1.4	41.3	*116.1	546	
2110.3		1.0	Х	42.7	-1.4	41.3	*116.1	546	
2110.3		1.0	Y	42.7	-1.4	41.3	*116.1	546	
2110.3		1.0	Z	42.7	-1.4	41.3	*116.1	546	
2110.5	• /	1.0	L	12.7		11.5	110.1	5.10	
2411.8	Η/	1.0	Х	42.6	-0.3	42.3	*130.3	546	
2411.8	Η/	1.0	Y	42.6	-0.3	42.3	*130.3	546	
2411.8	Η/	1.0	Z	42.6	-0.3	42.3	*130.3	546	
2411.8		1.0	Х	42.6	-0.3	42.3	*130.3	546	
2411.8	V /	1.0	Y	42.6	-0.3	42.3	*130.3	546	
2411.8	V /	1.0	Z	42.6	-0.3	42.3	*130.3	546	
2713.2	H /	1.0	Х	42.8	0.9	43.7	*153.1	500	
2713.2	Η/	1.0	Y	42.8	0.9	43.7	*153.1	500	
2713.2	Η/		Z	42.8	0.9	43.7	*153.1	500	
2713.2		1.0	Х	42.8	0.9	43.7	*153.1	500	
2713.2		1.0	Y	42.8	0.9	43.7	*153.1	500	
2713.2		1.0	Z	42.8	0.9	43.7	*153.1	500	
3014.7	H /	1.0	Х	42.9	3.1	46.0	*199.5	546	
3014.7	Η/		Y	42.9	3.1	46.0	*199.5	546	
3014.7		1.0	Z	42.9	3.1	46.0	*199.5	546	
3014.7		1.0	Х	42.9	3.1	46.0	*199.5	546	
3014.7		1.0	Y	42.9	3.1	46.0	*199.5	546	
3014.7		1.0	Z	42.9	3.1	46.0	*199.5	546	
								-	
	The frequency range was scanned from 30 Mhz to 3.1 Ghz. All emissions not recorded were more Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits. *=Noise Floor Measurements (Minimum system sensitivity)								
						etlif Test	ing Laborate	ories	

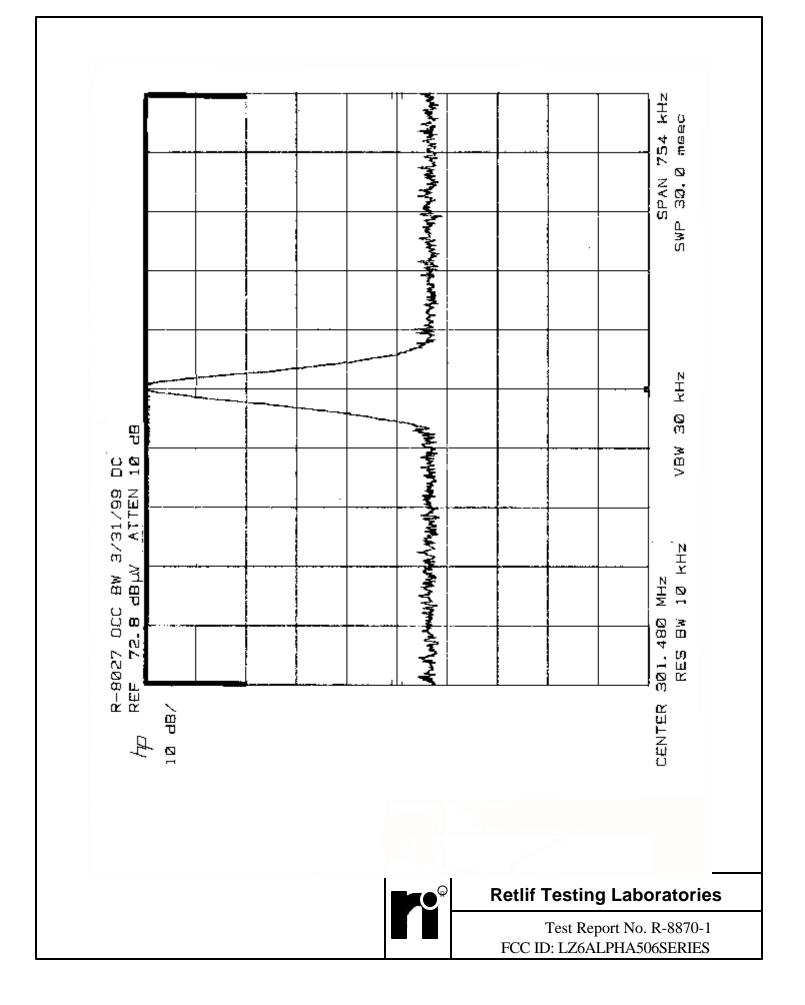
Exhibit 6

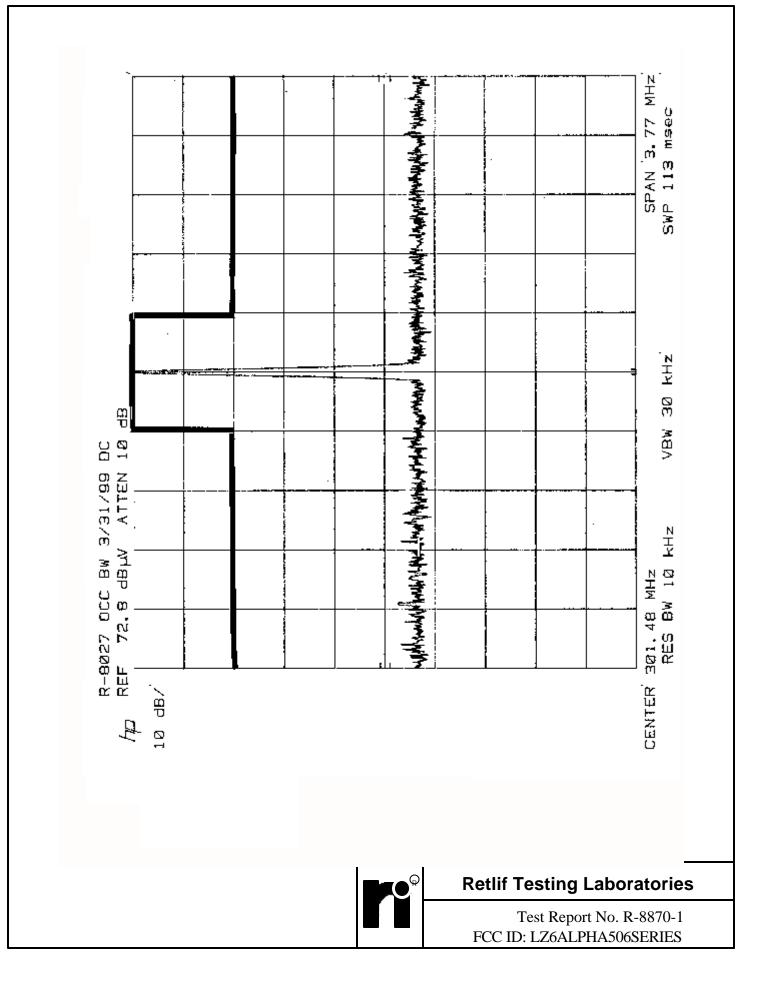
Report of Measurements

Occupied Bandwidth, Para. 15.231(c)



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EQUIPMENT LIST

FCC Paragraph 15.231(b) Radiated Emissions. 30 MHz to 3.1 GHz

EN	Туре	Manufacturer	Frequency Range	Model No.	Cal Date	Due Date
067	Open Area Test Site	Retlif	3 Meter	RNY	8/30/97	8/30/99
128C	Double Ridge Guide	Eaton Corporation	1 GHz - 18 GHz	96001	10/6/98	10/6/99
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	6/22/98	6/22/99
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	3/16/99	9/16/99
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	3/5/99	3/5/00
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	3/16/99	9/16/99
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	6/22/98	6/22/99
523	Biconilog	Electro-Mechanics	26 - 2000 MHz	3142B	10/22/98	4/22/00
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	9/3/98	9/3/99

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