Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	Advanced Radiotech Corporation	**Job No.**	R-10309-1
Test Sample:	433 MHz RF Transmitter		
Model No.:	FLEX-T	**FCC ID:**	R4UFLEXSERIES
Operating Mode:	Continuously Transmitting a pulsed 433 MHz Signal		
Technician:	T. Schneider	**Date:**	April 14, 2004

Notes: Test Distance: 3 Meters Temp: 12°C Humidity: 98%
Detector: Quasi-Peak Below 1 GHz, Peak above 1 GHz

Test Freq.	Antenna Position	EUT Orientation	Meter Readings	Correction Factor	Corrected Reading	Converted Reading	**LIMIT**
MHz	(V/H) / Meters	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30.00							100
88.00							100
88.00							150
	NO EMMISSIONS OBSERVED AT 3 METERS						
216.00							150
216.00							200
960.00							200
960.00							500
4330.0							500

The EUT was scanned from 30 MHz to 4.33 GHz
The emissions observed from the EUT do not exceed the specified limits.
Emissions not recorded were more than 20dB under the specified limit.

Retlif Testing Laboratories

Retlif Job Number R-10309-1

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	Advanced Radiotech Corporation	**Job No.**	R-10309-1
Test Sample:	433 MHz Pulsed Transmitter	**Paragraph:**	15.231
Model No.:	FLEX-T	**FCC ID:**	R4UFLEXSERIES
Operating Mode:	Continuously transmitting a 433 MHz signal		
Technician:	T. Schneider	**Date:**	April 14, 2004

Notes: Test Distance: 3 Meters
Detector: Peak, Unless otherwise specified

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(V/H)/Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
433	H/1.0	X	77.4	-0.7	76.7	6839.1	110000
|	H/2.0	Y	76.4	-0.7	75.7	6095.4	|
|	H/1.0	Z	64.3	-0.7	63.6	1513.6	|
|	V/2.0	X	70.6	-0.7	69.9	3126.1	|
|	V/2.0	Y	70.7	-0.7	70	3162.3	|
433	V/1.0	Z	76.4	-0.7	75.7	6095.4	110000
866	H/1.0	X	36.0	8.1	44.1	160.3	11000
|	H/1.0	Y	36.0	8.1	44.1	160.3	|
|	H/1.0	Z	36.0	8.1	44.1	160.3	|
|	V/2.0	X	36.0	8.1	44.1	160.3	|
|	V/2.0	Y	36.0	8.1	44.1	160.3	|
866	V/1.0	Z	36.0	8.1	44.1	160.3	11000
1299	H/1.0	X	41.0	-0.6	40.4	104.7	11000
|	H/1.0	Y	41.0	-0.6	40.4	104.7	|
|	H/1.0	Z	41.0	-0.6	40.4	104.7	|
|	V/1.0	X	41.0	-0.6	40.4	104.7	|
|	V/1.0	Y	41.0	-0.6	40.4	104.7	|
1299	V/1.0	Z	41.0	-0.6	40.4	104.7	11000
1732	H/1.0	X	40.5	4.1	44.6	169.8	11000
|	H/1.0	Y	40.5	4.1	44.6	169.8	|
|	H/1.0	Z	40.5	4.1	44.6	169.8	|
|	V/1.0	X	40.5	4.1	44.6	169.8	|
|	V/1.0	Y	40.5	4.1	44.6	169.8	|
1732	V/1.0	Z	40.5	4.1	44.6	169.8	11000
2165	H/1.0	X	42.1	1.2	43.3	146.2	11000
|	H/1.0	Y	42.1	1.2	43.3	146.2	|
|	H/1.0	Z	42.1	1.2	43.3	146.2	|
|	V/1.0	X	42.1	1.2	43.3	146.2	|
|	V/1.0	Y	42.1	1.2	43.3	146.2	|
2165	V/1.0	Z	42.1	1.2	43.3	146.2	11000
	The frequency range was scanned from 30 MHz to 4.4GHz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*= High ambient signal masking harmonic.						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	Advanced Radiotech Corporation	**Job No.**	R-10309-1
Test Sample:	433 MHz Pulsed Transmitter	**Paragraph:**	15.231
Model No.:	FLEX-T	**FCC ID:**	R4UFLEXSERIES
Operating Mode:	Continuously transmitting a 433 MHz signal		
Technician:	T. Schneider	**Date:**	April 14, 2004

Notes: Test Distance: 3 Meters
Detector: Peak, unless otherwise specified

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2598	H/1.0	X	43.3	4.8	48.1	254.1	11000
|	H/1.0	Y	43.3	4.8	48.1	254.1	|
|	H/1.0	Z	43.3	4.8	48.1	254.1	|
|	V/1.0	X	43.3	4.8	48.1	254.1	|
|	V/1.0	Y	43.3	4.8	48.1	254.1	|
2598	V/1.0	Z	43.3	4.8	48.1	254.1	11000
3031	H/1.0	X	44.1	6.4	50.5	335.0	11000
|	H/1.0	Y	44.1	6.4	50.5	335.0	|
|	H/1.0	Z	44.1	6.4	50.5	335.0	|
|	V/1.0	X	44.1	6.4	50.5	335.0	|
|	V/1.0	Y	44.1	6.4	50.5	335.0	|
3031	V/1.0	Z	44.1	6.4	50.5	335.0	11000
3464	H/1.0	X	44.2	8.3	52.5	421.7	11000
|	H/1.0	Y	44.2	8.3	52.5	421.7	|
|	H/1.0	Z	44.2	8.3	52.5	421.7	|
|	V/1.0	X	44.2	8.3	52.5	421.7	|
|	V/1.0	Y	44.2	8.3	52.5	421.7	|
3464	V/1.0	Z	44.2	8.3	52.5	421.7	11000
3897	H/1.0	X	44.8	9.8	54.6	537.0	5000
|	H/1.0	Y	44.8	9.8	54.6	537.0	|
|	H/1.0	Z	44.8	9.8	54.6	537.0	|
|	V/1.0	X	44.8	9.8	54.6	537.0	|
|	V/1.0	Y	44.8	9.8	54.6	537.0	|
3897	V/1.0	Z	44.8	9.8	54.6	537.0	5000
4330	H/1.0	X	45.2	11.0	56.2	645.7	5000
|	H/1.0	Y	45.2	11.0	56.2	645.7	|
|	H/1.0	Z	45.2	11.0	56.2	645.7	|
|	V/1.0	X	45.2	11.0	56.2	645.7	|
|	V/1.0	Y	45.2	11.0	56.2	645.7	|
4330	V/1.0	Z	45.2	11.0	56.2	645.7	5000
	The frequency range was scanned from 30 MHz to 4.4 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)						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	Advanced Radiotech Corporation	**Job No.**	R-10309-1
Test Sample:	433 MHz Pulsed Transmitter	**Paragraph:**	15.231
Model No.:	FLEX-T	**FCC ID:**	R4UFLEXSERIES
Operating Mode:	Continuously transmitting a 433 MHz signal		
Technician:	T. Schneider	**Date:**	April 14, 2004
Notes:	Test Distance: 3 Meters	Duty Cycle: 33.2%	
	Detector: Peak, unless otherwise specified	Duty Cycle Correction: -9.6dB	

Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
MHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
433	H/1.0	X	76.7	-9.6	67.1	2264.6	11000
|	H/2.0	Y	75.7	-9.6	66.1	2018.4	|
|	H/1.0	Z	63.6	-9.6	54	501.2	|
|	V/2.0	X	69.9	-9.6	60.3	1035.1	|
|	V/2.0	Y	70	-9.6	60.4	1047.1	|
433	V/1.0	Z	75.7	-9.6	66.1	2018.4	11000
866	H/1.0	X	44.1	-9.6	34.5	53.1	1100
|	H/1.0	Y	44.1	-9.6	34.5	53.1	|
|	H/1.0	Z	44.1	-9.6	34.5	53.1	|
|	V/2.0	X	44.1	-9.6	34.5	53.1	|
|	V/2.0	Y	44.1	-9.6	34.5	53.1	|
866	V/1.0	Z	44.1	-9.6	34.5	53.1	1100
1299	H/1.0	X	40.4	-9.6	30.8	34.7	1100
|	H/1.0	Y	40.4	-9.6	30.8	34.7	|
|	H/1.0	Z	40.4	-9.6	30.8	34.7	|
|	V/1.0	X	40.4	-9.6	30.8	34.7	|
|	V/1.0	Y	40.4	-9.6	30.8	34.7	|
1299	V/1.0	Z	40.4	-9.6	30.8	34.7	1100
1732	H/1.0	X	44.6	-9.6	35	56.2	1100
|	H/1.0	Y	44.6	-9.6	35	56.2	|
|	H/1.0	Z	44.6	-9.6	35	56.2	|
|	V/1.0	X	44.6	-9.6	35	56.2	|
|	V/1.0	Y	44.6	-9.6	35	56.2	|
1732	V/1.0	Z	44.6	-9.6	35	56.2	1100
2165	H/1.0	X	43.3	-9.6	33.7	48.4	1100
|	H/1.0	Y	43.3	-9.6	33.7	48.4	|
|	H/1.0	Z	43.3	-9.6	33.7	48.4	|
|	V/1.0	X	43.3	-9.6	33.7	48.4	|
|	V/1.0	Y	43.3	-9.6	33.7	48.4	|
2165	V/1.0	Z	43.3	-9.6	33.7	48.4	1100
	The frequency range was scanned from 30 MHz to 4.4GHz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*= High ambient signal masking harmonic.						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	Advanced Radiotech Corporation	**Job No.**	R-10309-1
Test Sample:	433 MHz Pulsed Transmitter	**Paragraph:**	15.231
Model No.:	FLEX-T	**FCC ID:**	R4UFLEXSERIES
Operating Mode:	Continuously transmitting a 433 MHz signal		
Technician:	T. Schneider	**Date:**	April 14, 2004
Notes:	Test Distance: 3 Meters	Duty Cycle: 33.2%	
	Detector: Peak, unless otherwise specified	Duty Cycle Correction: -9.6dB	

Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
MHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2598	H/1.0	X	48.1	-9.6	38.5	84.1	1100
|	H/1.0	Y	48.1	-9.6	38.5	84.1	|
|	H/1.0	Z	48.1	-9.6	38.5	84.1	|
|	V/1.0	X	48.1	-9.6	38.5	84.1	|
|	V/1.0	Y	48.1	-9.6	38.5	84.1	|
2598	V/1.0	Z	48.1	-9.6	38.5	84.1	1100
3031	H/1.0	X	50.5	-9.6	40.9	110.9	1100
|	H/1.0	Y	50.5	-9.6	40.9	110.9	|
|	H/1.0	Z	50.5	-9.6	40.9	110.9	|
|	V/1.0	X	50.5	-9.6	40.9	110.9	|
|	V/1.0	Y	50.5	-9.6	40.9	110.9	|
3031	V/1.0	Z	50.5	-9.6	40.9	110.9	1100
3464	H/1.0	X	52.5	-9.6	42.9	139.6	1100
|	H/1.0	Y	52.5	-9.6	42.9	139.6	|
|	H/1.0	Z	52.5	-9.6	42.9	139.6	|
|	V/1.0	X	52.5	-9.6	42.9	139.6	|
|	V/1.0	Y	52.5	-9.6	42.9	139.6	|
3464	V/1.0	Z	52.5	-9.6	42.9	139.6	1100
3897	H/1.0	X	54.6	-9.6	45	177.8	500
|	H/1.0	Y	54.6	-9.6	45	177.8	|
|	H/1.0	Z	54.6	-9.6	45	177.8	|
|	V/1.0	X	54.6	-9.6	45	177.8	|
|	V/1.0	Y	54.6	-9.6	45	177.8	|
3897	V/1.0	Z	54.6	-9.6	45	177.8	500
4330	H/1.0	X	56.2	-9.6	46.6	213.8	500
|	H/1.0	Y	56.2	-9.6	46.6	213.8	|
|	H/1.0	Z	56.2	-9.6	46.6	213.8	|
|	V/1.0	X	56.2	-9.6	46.6	213.8	|
|	V/1.0	Y	56.2	-9.6	46.6	213.8	|
4330	V/1.0	Z	56.2	-9.6	46.6	213.8	500
	The frequency range was scanned from 30 MHz to 4.4 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)						

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Retlif Job Number R-10309-1