

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Minorplanet Systems PLC			Job No.		R-9344
Test Sample:		902.6 MHz Pulsed Transmitter			Paragraph:		15.249(a)
Model No.:		AEM 3000 DCU			FCC ID:		QDAAEM3000DCU
Operating Mode:		Continuously Transmitting a 902.6 MHz Signal					
Technician:		Peter Lananna			Date:		March 20, 2002
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
906.2	H / 1.8	X	62.2	28.0	90.2	32359.4	500000
	H / 2.3	Y	59.2	28.0	87.2	22908.7	
	H / 1.5	Z	61.0	28.0	89.0	28183.8	
	V / 1.0	X	65.6	28.0	93.6	47863.0	
	V / 2.0	Y	61.2	28.0	89.2	28840.3	
906.2	V / 1.5	Z	62.8	28.0	90.8	34673.7	500000
1805.2	H / 1.3	X	46.4	3.4	49.8	309.0	5000
	H / 1.5	Y	47.7	3.4	51.1	358.9	
	H / 1.0	Z	40.7	3.4	44.1	160.3*	
	V / 1.5	X	51.7	3.4	55.1	568.9	
	V / 1.3	Y	52.5	3.4	55.9	623.7	
1805.2	V / 1.0	Z	51.8	3.4	55.2	575.4	5000
2707.8	H / 1.0	X	39.9	5.8	45.7	192.8*	5000
	H / 1.0	Y	39.9	5.8	45.7	192.8*	
	H / 1.0	Z	39.9	5.8	45.7	192.8*	
	V / 1.0	X	39.9	5.8	45.7	192.8*	
	V / 1.0	Y	39.9	5.8	45.7	192.8*	
2707.8	V / 1.0	Z	39.9	5.8	45.7	192.8*	5000
3610.4	H / 1.0	X	39.6	8.3	47.9	248.3*	5000
	H / 1.0	Y	39.6	8.3	47.9	248.3*	
	H / 1.0	Z	39.6	8.3	47.9	248.3*	
	V / 1.0	X	39.6	8.3	47.9	248.3*	
	V / 1.0	Y	39.6	8.3	47.9	248.3*	
3610.4	V / 1.0	Z	39.6	8.3	47.9	248.3*	5000
4513.0	H / 1.0	X	39.7	4.0	43.7	153.1*	5000
	H / 1.0	Y	39.7	4.0	43.7	153.1*	
	H / 1.0	Z	39.7	4.0	43.7	153.1*	
	V / 1.0	X	39.7	4.0	43.7	153.1*	
	V / 1.0	Y	39.7	4.0	43.7	153.1*	
4513.0	V / 1.0	Z	39.7	4.0	43.7	153.1*	5000
	The frequency range was scanned from 30 MHz to 9.1 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)						



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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
5415.6	H / 1.0	X	38.1	5.5	43.6	151.4*	5000
	H / 1.0	Y	38.1	5.5	43.6	151.4*	
	H / 1.0	Z	38.1	5.5	43.6	151.4*	
	V / 1.0	X	38.1	5.5	43.6	151.4*	
	V / 1.0	Y	38.1	5.5	43.6	151.4*	
5415.6	V / 1.0	Z	38.1	5.5	43.6	151.4*	5000
6318.2	H / 1.0	X	31.0	11.1	42.1	127.4*	5000
	H / 1.0	Y	31.0	11.1	42.1	127.4*	
	H / 1.0	Z	31.0	11.1	42.1	127.4*	
	V / 1.0	X	31.0	11.1	42.1	127.4*	
	V / 1.0	Y	31.0	11.1	42.1	127.4*	
6318.2	V / 1.0	Z	31.0	11.1	42.1	127.4*	5000
7220.8	H / 1.0	X	30.0	9.6	39.6	95.5*	5000
	H / 1.0	Y	30.0	9.6	39.6	95.5*	
	H / 1.0	Z	30.0	9.6	39.6	95.5*	
	V / 1.0	X	30.0	9.6	39.6	95.5*	
	V / 1.0	Y	30.0	9.6	39.6	95.5*	
7220.8	V / 1.0	Z	30.0	9.6	39.6	95.5*	5000
8123.4	H / 1.0	X	32.0	10.9	42.9	139.6*	5000
	H / 1.0	Y	32.0	10.9	42.9	139.6*	
	H / 1.0	Z	32.0	10.9	42.9	139.6*	
	V / 1.0	X	32.0	10.9	42.9	139.6*	
	V / 1.0	Y	32.0	10.9	42.9	139.6*	
8123.4	V / 1.0	Z	32.0	10.9	42.9	139.6*	5000
9026.0	H / 1.0	X	31.8	12.6	44.4	166.0*	5000
	H / 1.0	Y	31.8	12.6	44.4	166.0*	
	H / 1.0	Z	31.8	12.6	44.4	166.0*	
	V / 1.0	X	31.8	12.6	44.4	166.0*	
	V / 1.0	Y	31.8	12.6	44.4	166.0*	
9026.0	V / 1.0	Z	31.8	12.6	44.4	166.0*	5000
	The frequency range was scanned from 30 MHz to 9.1 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)						



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Technician:		Peter Lananna			Date:	March 20, 2002	
Notes:		Test Distance: 3 Meters			Duty Cycle: 37%		
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: - 8.6 dB		
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
906.2	H / 1.8	X	90.2	-8.6	81.6	12022.6	50000
	H / 2.3	Y	87.2	-8.6	78.6	8511.4	
	H / 1.5	Z	89.0	-8.6	80.4	10471.3	
	V / 1.0	X	93.6	-8.6	85.0	17782.8	
	V / 2.0	Y	89.2	-8.6	80.6	10715.2	
906.2	V / 1.5	Z	90.8	-8.6	82.2	12882.5	50000
1805.2	H / 1.3	X	49.8	-8.6	41.2	114.8	500
	H / 1.5	Y	51.1	-8.6	42.5	133.4	
	H / 1.0	Z	44.1	-8.6	35.5	59.6*	
	V / 1.5	X	55.1	-8.6	46.5	211.3	
	V / 1.3	Y	55.9	-8.6	47.3	231.7	
1805.2	V / 1.0	Z	55.2	-8.6	46.6	213.8	500
2707.8	H / 1.0	X	45.7	-8.6	37.1	71.6*	500
	H / 1.0	Y	45.7	-8.6	37.1	71.6*	
	H / 1.0	Z	45.7	-8.6	37.1	71.6*	
	V / 1.0	X	45.7	-8.6	37.1	71.6*	
	V / 1.0	Y	45.7	-8.6	37.1	71.6*	
2707.8	V / 1.0	Z	45.7	-8.6	37.1	71.6*	500
3610.4	H / 1.0	X	47.9	-8.6	39.3	92.3*	500
	H / 1.0	Y	47.9	-8.6	39.3	92.3*	
	H / 1.0	Z	47.9	-8.6	39.3	92.3*	
	V / 1.0	X	47.9	-8.6	39.3	92.3*	
	V / 1.0	Y	47.9	-8.6	39.3	92.3*	
3610.4	V / 1.0	Z	47.9	-8.6	39.3	92.3*	500
4513.0	H / 1.0	X	43.7	-8.6	35.1	56.9*	500
	H / 1.0	Y	43.7	-8.6	35.1	56.9*	
	H / 1.0	Z	43.7	-8.6	35.1	56.9*	
	V / 1.0	X	43.7	-8.6	35.1	56.9*	
	V / 1.0	Y	43.7	-8.6	35.1	56.9*	
4513.0	V / 1.0	Z	43.7	-8.6	35.1	56.9*	500
	The frequency range was scanned from 30 MHz to 9.1 GHz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
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		Detector: Peak, unless otherwise specified			Duty Cycle Correction: - 8.6 dB		
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
5415.6	H / 1.0	X	43.6	-8.6	35.0	56.2*	500
	H / 1.0	Y	43.6	-8.6	35.0	56.2*	
	H / 1.0	Z	43.6	-8.6	35.0	56.2*	
	V / 1.0	X	43.6	-8.6	35.0	56.2*	
	V / 1.0	Y	43.6	-8.6	35.0	56.2*	
5415.6	V / 1.0	Z	43.6	-8.6	35.0	56.2*	500
6318.2	H / 1.0	X	42.1	-8.6	33.5	47.3*	500
	H / 1.0	Y	42.1	-8.6	33.5	47.3*	
	H / 1.0	Z	42.1	-8.6	33.5	47.3*	
	V / 1.0	X	42.1	-8.6	33.5	47.3*	
	V / 1.0	Y	42.1	-8.6	33.5	47.3*	
6318.2	V / 1.0	Z	42.1	-8.6	33.5	47.3*	500
7220.8	H / 1.0	X	39.6	-8.6	31.0	35.5*	500
	H / 1.0	Y	39.6	-8.6	31.0	35.5*	
	H / 1.0	Z	39.6	-8.6	31.0	35.5*	
	V / 1.0	X	39.6	-8.6	31.0	35.5*	
	V / 1.0	Y	39.6	-8.6	31.0	35.5*	
7220.8	V / 1.0	Z	39.6	-8.6	31.0	35.5*	500
8123.4	H / 1.0	X	42.9	-8.6	34.3	51.9*	500
	H / 1.0	Y	42.9	-8.6	34.3	51.9*	
	H / 1.0	Z	42.9	-8.6	34.3	51.9*	
	V / 1.0	X	42.9	-8.6	34.3	51.9*	
	V / 1.0	Y	42.9	-8.6	34.3	51.9*	
8123.4	V / 1.0	Z	42.9	-8.6	34.3	51.9*	500
9026.0	H / 1.0	X	44.4	-8.6	35.8	61.7*	500
	H / 1.0	Y	44.4	-8.6	35.8	61.7*	
	H / 1.0	Z	44.4	-8.6	35.8	61.7*	
	V / 1.0	X	44.4	-8.6	35.8	61.7*	
	V / 1.0	Y	44.4	-8.6	35.8	61.7*	
9026.0	V / 1.0	Z	44.4	-8.6	35.8	61.7*	500
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