APPLICANT	Manufacturer
Symbol Technologies, Inc. One Symbol Plaza Holtsville, NY 11742	Symbol Technologies, Inc. One Symbol Plaza Holtsville, NY 11742

TEST SPECIFICATION: FCC Rules and Regulations Part 15, Subpart C

TEST PROCEDURE: FCC 15.249(a)

TEST SAMPLE DESCRIPTION

BRANDNAME: Symbol

MODEL: PDT6845 FCC ID: H9PPDT6845

TYPE: 2.48192 GHz Pulsed Transmitter

FREQUENCY RANGE: 2.48192 GHz

POWER REQUIREMENTS: 6 VDC derived from a rechargeable NICAD Battery

TESTS PERFORMED

- 15.209(a) Radiated Emissions, Spurious Case
- 15.249(a) Radiated Emissions, Fundamental and Harmonics
- 15.249(c) Occupied Bandwidth

REPORT OF MEASUREMENTS

Applicant:	Symbol Technologies, Inc..
Device:	Pulsed RF Transmitter
FCC ID:	H9PPDT6845
Power Requirements:	6 VDC derived from a rechargeable NICAD Battery
Applicable Rule Section:	Part 15, Subpart C, Section 15.249

TEST RESULTS

15.209(a): Field strength of emissions from the intentional radiator operating in the 2.4 to 2.4835 GHz frequency band did not exceed 50 mV/m average for the fundamental and 500 uV/m average for harmonics.

15.249(b): Field strength readings were recorded at a distance of three meters from the Intentional Radiator unless otherwise specified.

15.249(c): Emissions radiated outside the specified frequency band except for harmonics, were attenuated by at least 50dB or to the emissions limits of 15.209, whichever was the lesser attenuation.

15.249(d): All measurements were taken utilizing a peak detector. The peak field strength did not exceed the average limits under any condition of modulation.

Duty Cycle Information:

Please see attached file named Timinginfo.doc

SPECTRUM ANALYZER DESENSITIZATION CONSIDERATIONS

Due to the nature of the emissions being measured, care was taken to ensure that the resolution bandwidth of the spectrum analyzer was adequate to provide accurate measurements. The following formula was utilized:

The device has maximum data rate of 19.2 Kbps. Therefore a minimum pulse width is 1/max. data rate = 1/19.2 kHz = 52 microseconds.

Setting pulse desensitization equal to zero and utilizing the minimum observed pulse width of 52µs yields a minimum required bandwidth of 12.8 kHz. FCC specified bandwidths of 100kHz and 1MHz were utilized below and above 1GHz, respectively.

GENERAL NOTES

1. All user accessible controls were adjusted to produce maximum emissions.

2. The unit operates in the band of 2.4 to 2.4835 GHz band at a single frequency of 2.48192 GHz.

3. The frequency range was scanned from 30 MHz to 25 GHz. All emissions not reported were more than 10dB below the specified limit.

EXHIBIT 4

Radiated Emissions, Spurious Case

Para. 15.209(a)

(Please see separate e-file attachment named RE Spurious.doc)

EXHIBIT 4

Radiated Emissions, Fundamental & Harmonic

Para. 15.249(a)

(Please see separate e-file attachment named RE FundHarm.doc)

EXHIBIT 4

Occupied Bandwidth

Para. 15.249(c)

(Please see separate e-file attachment named OccBw.pdf)

EQUIPMENT LIST

Radiated Emissions, Fundamental and Harmonics, 2.4-25GHz

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
062	High Gain Horn Antenna	Microlab/FXR	1.7 GHz - 2.6 GHz	R638A	10/11/2000	10/11/2001
063	High Gain Horn Antenna	Microlab/FXR	2.6 GHz-3.95 GHz	S638A	10/11/2000	10/11/2001
064	High Gain Horn Antenna	Microlab/FXR	3.95 GHz - 5.85 GHz	H638A	10/11/2000	10/11/2001
065	High Gain Horn Antenna	Microlab/FXR	5.85 GHz - 8.2 GHz	C638A	10/11/2000	10/11/2001
066	High Gain Horn Antenna	Microlab/FXR	8.2 GHz - 12.4 GHz	X638A	10/11/2000	10/11/2001
067	Open Area Test Site	Retlif	3 Meter	RNY	09/20/2000	09/20/2003
129D	High Gain Horn Antenna	Microlab/FXR	12.4 GHz - 18 GHz	Y638A	10/11/2000	10/11/2001
129E	High Gain Horn Antenna	Microlab/FXR	18 GHz - 26.5 GHz	K638A	09/18/2000	09/18/2001
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	08/03/2000	02/03/2001
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	03/08/2000	03/08/2001
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	08/02/2000	02/02/2001
420	Amplifier	Hewlett Packard	2.0 GHz - 18 GHz	11975A	09/29/2000	09/29/2001
421	Harmonic Mixer	Hewlett Packard	18 GHz - 26.5 GHz	11970K	09/29/2000	09/29/2001
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	06/16/1999	06/16/2001

Radiated Emissions, Spurious Case, 30MHz-25GHz

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
062	High Gain Horn Antenna	Microlab/FXR	1.7 GHz - 2.6 GHz	R638A	10/11/2000	10/11/2001
063	High Gain Horn Antenna	Microlab/FXR	2.6 GHz-3.95 GHz	S638A	10/11/2000	10/11/2001
064	High Gain Horn Antenna	Microlab/FXR	3.95 GHz - 5.85 GHz	H638A	10/11/2000	10/11/2001
065	High Gain Horn Antenna	Microlab/FXR	5.85 GHz - 8.2 GHz	C638A	10/11/2000	10/11/2001
066	High Gain Horn Antenna	Microlab/FXR	8.2 GHz - 12.4 GHz	X638A	10/11/2000	10/11/2001
067	Open Area Test Site	Retlif	3 Meter	RNY	09/20/2000	09/20/2003
129D	High Gain Horn Antenna	Microlab/FXR	12.4 GHz - 18 GHz	Y638A	10/11/2000	10/11/2001
129E	High Gain Horn Antenna	Microlab/FXR	18 GHz - 26.5 GHz	K638A	09/18/2000	09/18/2001
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	06/13/2000	06/13/2001
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	08/03/2000	02/03/2001
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	03/08/2000	03/08/2001
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	08/02/2000	02/02/2001
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	06/13/2000	06/13/2001
420	Amplifier	Hewlett Packard	2.0 GHz - 18 GHz	11975A	09/29/2000	09/29/2001
421	Harmonic Mixer	Hewlett Packard	18 GHz - 26.5 GHz	11970K	09/29/2000	09/29/2001
523	Biconilog	Electro-Mechanics	26 - 2000 MHz	3142B	06/08/2000	06/08/2001
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	06/16/1999	06/16/2001
617	Interference Analyzer	Electro-Metrics	10 kHz - 1 GHz	EMC-30	01/17/2000	01/27/2001

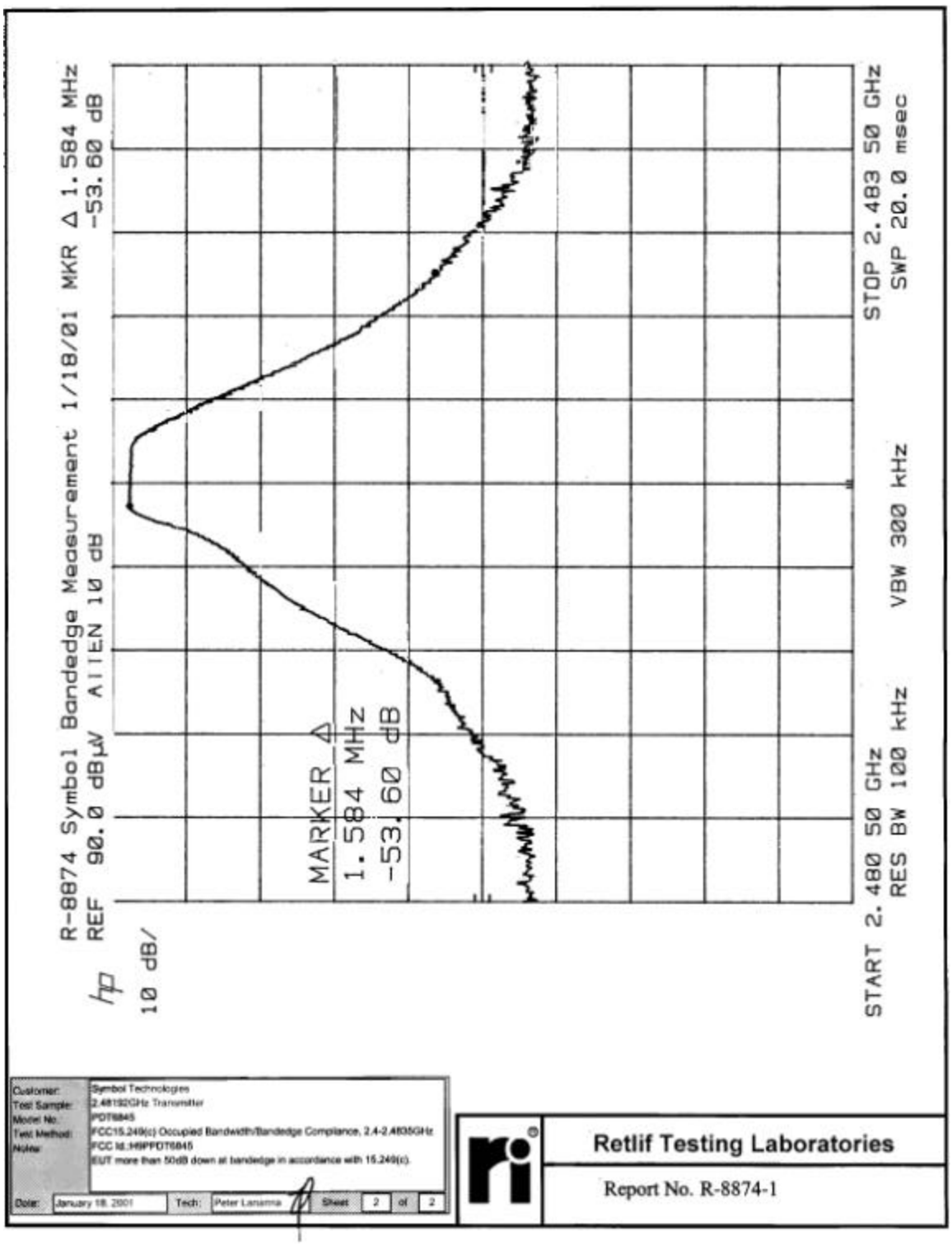
Test Setup Photograph for Radiated Emissions

Customer:	Symbol Technologies
Test Sample:	2.48192GHz Transmitter
Model No:	PDT6845
Test Method:	FCC15.249(c) Occupied Bandwidth/Bandedge Compliance, 2.4-2.4835GHz
Notes:	FCC Id: H9PPDT6845

Date: January 18, 2001 Tech: Peter Lananna Sheet 1 of 2

Retlif Testing Laboratories

Report No. R-8874-1



Customer:	Symbol Technologies
Test Sample:	2.4815GHz Transmitter
Model No:	PDT6845
Test Method:	FCC15.249(c) Occupied Bandwidth/Bandedge Compliance, 2.4-2.4835GHz
Notes:	FCC Id: H9PPDT6845
	EUT more than 50dB down at bandedge in accordance with 15.249(c).

Date: January 18, 2001 Tech: Peter Lanzinna Sheet 2 of 2

Retlif Testing Laboratories

Report No. R-8874-1

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	Symbol Technologies	**Job No.**	R-8874-1
Test Sample:	2.48192GHz Transmitter	**Paragraph:**	15.249
Model No.:	PDT6845	**FCC ID:**	H9PPDT6845
Operating Mode:	Continuously Transmitting a 2.48192GHz Signal		
Technician:	Peter Lananna	**Date:**	January 18, 2001

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
GHz	(V/H)/Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2.48192	H / 1.3	X	87.1	4.2	91.3	36728.2	500000
|	H / 1.3	Y	79.2	4.2	83.4	14791.1	|
|	H / 1.3	Z	88.0	4.2	92.2	40738.0	|
|	V / 1.3	X	84.4	4.2	88.6	26915.3	|
|	V / 1.5	Y	81.8	4.2	86.0	19952.6	|
2.48192	V / 1.3	Z	80.2	4.2	84.4	16595.9	500000
4.96384	H / 1.0	X	42.0	-4.1	37.9	78.5*	5000
|	H / 1.0	Y	42.0	-4.1	37.9	78.5*	|
|	H / 1.0	Z	42.0	-4.1	37.9	78.5*	|
|	V / 1.0	X	42.0	-4.1	37.9	78.5*	|
|	V /1.0	Y	42.0	-4.1	37.9	78.5*	|
4.96384	V / 1.0	Z	42.0	-4.1	37.9	78.5*	5000
7.44576	H / 1.0	X	42.0	-2.0	40.0	100.0*	5000
|	H / 1.0	Y	42.0	-2.0	40.0	100.0*	|
|	H / 1.0	Z	42.0	-2.0	40.0	100.0*	|
|	V / 1.0	X	42.0	-2.0	40.0	100.0*	|
|	V /1.0	Y	42.0	-2.0	40.0	100.0*	|
7.44576	V / 1.0	Z	42.0	-2.0	40.0	100.0*	5000
9.92768	H / 1.0	X	42.0	-1.9	40.1	101.2*	5000
|	H / 1.0	Y	42.0	-1.9	40.1	101.2*	|
|	H / 1.0	Z	42.0	-1.9	40.1	101.2*	|
|	V / 1.0	X	42.0	-1.9	40.1	101.2*	|
|	V /1.0	Y	42.0	-1.9	40.1	101.2*	|
9.92768	V / 1.0	Z	42.0	-1.9	40.1	101.2*	5000
12.4096	H / 1.0	X	42.0	3.8	45.8	195.0*	5000
|	H / 1.0	Y	42.0	3.8	45.8	195.0*	|
|	H / 1.0	Z	42.0	3.8	45.8	195.0*	|
|	V / 1.0	X	42.0	3.8	45.8	195.0*	|
|	V /1.0	Y	42.0	3.8	45.8	195.0*	|
12.4096	V / 1.0	Z	42.0	3.8	45.8	195.0*	5000
	The frequency range was scanned from 30 MHz to 25 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:	Symbol Technologies	**Job No.**	R-8874-1
Test Sample:	2.48192GHz Transmitter	**Paragraph:**	15.249
Model No.:	PDT6845	**FCC ID:**	H9PPDT6845
Operating Mode:	Continuously Transmitting a 2.48192GHz Signal		
Technician:	Peter Lananna	**Date:**	January 18, 2001

Notes: Test Distance: 3 Meters **=Correction factor includes correction for distance at 1 meter.
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
14.89152	H / 1.0	X	47.0	1.3**	48.3	260.0*	5000
|	H / 1.0	Y	47.0	1.3**	48.3	260.0*	|
|	H / 1.0	Z	47.0	1.3**	48.3	260.0*	|
|	V / 1.0	X	47.0	1.3**	48.3	260.0*	|
|	V /1.0	Y	47.0	1.3**	48.3	260.0*	|
14.89152	V / 1.0	Z	47.0	1.3**	48.3	260.0*	5000
17.37344	H / 1.0	X	47.0	6.0**	53.0	446.7*	5000
|	H / 1.0	Y	47.0	6.0**	53.0	446.7*	|
|	H / 1.0	Z	47.0	6.0**	53.0	446.7*	|
|	V / 1.0	X	47.0	6.0**	53.0	446.7*	|
|	V /1.0	Y	47.0	6.0**	53.0	446.7*	|
17.37344	V / 1.0	Z	47.0	6.0**	53.0	446.7*	5000
19.85536	H / 1.0	X	30.0	22.9**	52.9	441.6*	5000
|	H / 1.0	Y	30.0	22.9**	52.9	441.6*	|
|	H / 1.0	Z	30.0	22.9**	52.9	441.6*	|
|	V / 1.0	X	30.0	22.9**	52.9	441.6*	|
|	V /1.0	Y	30.0	22.9**	52.9	441.6*	|
19.85536	V / 1.0	Z	30.0	22.9**	52.9	441.6*	5000
22.33728	H / 1.0	X	30.0	23.2**	53.2	457.1*	5000
|	H / 1.0	Y	30.0	23.2**	53.2	457.1*	|
|	H / 1.0	Z	30.0	23.2**	53.2	457.1*	|
|	V / 1.0	X	30.0	23.2**	53.2	457.1*	|
|	V /1.0	Y	30.0	23.2**	53.2	457.1*	|
22.33728	V / 1.0	Z	30.0	23.2**	53.2	457.1*	5000
24.8192	H / 1.0	X	30.0	23.4**	53.4	467.7*	5000
|	H / 1.0	Y	30.0	23.4**	53.4	467.7*	|
|	H / 1.0	Z	30.0	23.4**	53.4	467.7*	|
|	V / 1.0	X	30.0	23.4**	53.4	467.7*	|
|	V /1.0	Y	30.0	23.4**	53.4	467.7*	|
24.8192	V / 1.0	Z	30.0	23.4**	53.4	467.7*	5000
	The frequency range was scanned from 30 MHz to 25GHz. 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:	Symbol Technologies	**Job No.**	R-8874-1
Test Sample:	2.48192GHz Transmitter	**Paragraph:**	15.249
Model No.:	PDT6845	**FCC ID:**	H9PPDT6845
Operating Mode:	Continuously Transmitting a 2.48192GHz Signal		
Technician:	Peter Lananna	**Date:**	January 18, 2001

Notes: Test Distance: 3 Meters — Duty Cycle: 50%
Detector: Peak, unless otherwise specified — Duty Cycle Correction: - 6.0 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
2.48192	H / 1.3	X	91.3	-6.0	85.3	18407.7	50000
|	H / 1.3	Y	83.4	-6.0	77.4	7413.1	|
|	H / 1.3	Z	92.2	-6.0	86.2	20417.4	|
|	V / 1.3	X	88.6	-6.0	82.6	13489.6	|
|	V / 1.5	Y	86.0	-6.0	80.0	10000.0	|
2.48192	V / 1.3	Z	84.4	-6.0	78.4	8317.6	50000
4.96384	H / 1.0	X	37.9	-6.0	31.9	39.4*	500
|	H / 1.0	Y	37.9	-6.0	31.9	39.4*	|
|	H / 1.0	Z	37.9	-6.0	31.9	39.4*	|
|	V / 1.0	X	37.9	-6.0	31.9	39.4*	|
|	V /1.0	Y	37.9	-6.0	31.9	39.4*	|
4.96384	V / 1.0	Z	37.9	-6.0	31.9	39.4*	500
7.44576	H / 1.0	X	40.0	-6.0	34.0	50.1*	500
|	H / 1.0	Y	40.0	-6.0	34.0	50.1*	|
|	H / 1.0	Z	40.0	-6.0	34.0	50.1*	|
|	V / 1.0	X	40.0	-6.0	34.0	50.1*	|
|	V /1.0	Y	40.0	-6.0	34.0	50.1*	|
7.44576	V / 1.0	Z	40.0	-6.0	34.0	50.1*	500
9.92768	H / 1.0	X	40.1	-6.0	34.1	50.7*	500
|	H / 1.0	Y	40.1	-6.0	34.1	50.7*	|
|	H / 1.0	Z	40.1	-6.0	34.1	50.7*	|
|	V / 1.0	X	40.1	-6.0	34.1	50.7*	|
|	V /1.0	Y	40.1	-6.0	34.1	50.7*	|
9.92768	V / 1.0	Z	40.1	-6.0	34.1	50.7*	500
12.4096	H / 1.0	X	45.8	-6.0	39.8	97.7*	500
|	H / 1.0	Y	45.8	-6.0	39.8	97.7*	|
|	H / 1.0	Z	45.8	-6.0	39.8	97.7*	|
|	V / 1.0	X	45.8	-6.0	39.8	97.7*	|
|	V /1.0	Y	45.8	-6.0	39.8	97.7*	|
12.4096	V / 1.0	Z	45.8	-6.0	39.8	97.7*	500
	The frequency range was scanned from 30 MHz to 25 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)						

Retlif Testing Laboratories

Retlif Job Number R-8874-1

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	Symbol Technologies	**Job No.**	R-8874-1
Test Sample:	2.48192GHz Transmitter	**Paragraph:**	15.249
Model No.:	PDT6845	**FCC ID:**	H9PPDT6845
Operating Mode:	Continuously Transmitting a 2.48192GHz Signal		
Technician:	Peter Lananna	**Date:**	January 18, 2001

Notes: Test Distance: 3 Meters — Duty Cycle: 50%

Detector: Peak, unless otherwise specified — Duty Cycle Correction: - 6.0 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
14.89152	H / 1.0	X	48.3	-6.0	42.3	130.3*	500
|	H / 1.0	Y	48.3	-6.0	42.3	130.3*	|
|	H / 1.0	Z	48.3	-6.0	42.3	130.3*	|
|	V / 1.0	X	48.3	-6.0	42.3	130.3*	|
|	V /1.0	Y	48.3	-6.0	42.3	130.3*	|
14.89152	V / 1.0	Z	48.3	-6.0	42.3	130.3*	500
17.37344	H / 1.0	X	53.0	-6.0	47.0	223.9*	500
|	H / 1.0	Y	53.0	-6.0	47.0	223.9*	|
|	H / 1.0	Z	53.0	-6.0	47.0	223.9*	|
|	V / 1.0	X	53.0	-6.0	47.0	223.9*	|
|	V /1.0	Y	53.0	-6.0	47.0	223.9*	|
17.37344	V / 1.0	Z	53.0	-6.0	47.0	223.9*	500
19.85536	H / 1.0	X	52.9	-6.0	46.9	221.3*	500
|	H / 1.0	Y	52.9	-6.0	46.9	221.3*	|
|	H / 1.0	Z	52.9	-6.0	46.9	221.3*	|
|	V / 1.0	X	52.9	-6.0	46.9	221.3*	|
|	V /1.0	Y	52.9	-6.0	46.9	221.3*	|
19.85536	V / 1.0	Z	52.9	-6.0	46.9	221.3*	500
22.33728	H / 1.0	X	53.2	-6.0	47.2	229.1*	500
|	H / 1.0	Y	53.2	-6.0	47.2	229.1*	|
|	H / 1.0	Z	53.2	-6.0	47.2	229.1*	|
|	V / 1.0	X	53.2	-6.0	47.2	229.1*	|
|	V /1.0	Y	53.2	-6.0	47.2	229.1*	|
22.33728	V / 1.0	Z	53.2	-6.0	47.2	229.1*	500
24.8192	H / 1.0	X	53.4	-6.0	47.4	234.4*	500
|	H / 1.0	Y	53.4	-6.0	47.4	234.4*	|
|	H / 1.0	Z	53.4	-6.0	47.4	234.4*	|
|	V / 1.0	X	53.4	-6.0	47.4	234.4*	|
|	V /1.0	Y	53.4	-6.0	47.4	234.4*	|
24.8192	V / 1.0	Z	53.4	-6.0	47.4	234.4*	500
	The frequency range was scanned from 30 MHz to 25 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, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	Symbol Technologies	**Job No.**	R-8874-1
Test Sample:	2.48192GHz Transmitter		
Model No.:	PDT6845	**FCC Id.:**	H9PPDT6845
Operating Mode:	Continuously transmitting a 2.48192GHz signal.		
Technician:	Peter Lananna	**Date:**	January 18, 2001

Notes: Test Distance: 3 Meters Temp:7C Humidity:88%
Detector: Peak

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
200.0	V/1.8	225	39.1	-7.4	31.7	38.5	
216.00							150
216.00							200
425.0	V/1.0	023	37.9	-0.6	37.3	73.3	
440.0	V/1.0	203	36.5	-0.6	35.9	62.4	
960.00							200
960.00							500
25000.0							500

The EUT was scanned from 30 MHz to 25 GHz

The emissions observed from the EUT do not exceed the specified limits. Emissions not recorded were more than 10dB under the specified limit

Retlif Testing Laboratories

Retlif Job Number R-8874-1

Timing and Data Transmission Information for H9PPDT6845

Information is transmitted in packets. The packets of longest duration are DATA packets. After sending a DATA packet, the transmitter waits to hear an ACK packet from the intended receiving unit before it can proceed with another transmission.

Within the packets, data is formatted in bytes which are bracketed with start (RF carrier transmitted) and stop (RF carrier off) bits as is standard in asynchronous transmission. Data in the bytes is broken into four consecutive pairs of contiguous dibits. Each dibit is either a "one" dibit (carrier on bit followed by a carrier off bit) or a "zero" dibit (carrier off bit followed by a carrier on bit). Thus, the duty cycle of all bytes is 50%. The rate of occurrence of "one" and "zero" dibits is entirely dependent on the data being sent by the application.

Bit rate can be 19.2, 9.6, 4.8 or 2.4 kilobits per second. 9.6Kbps is the standard rate. At this standard rate, DATA packets can last up to 260mS. ACK packets last 40mS. There is no fixed limit to the number of DATA packets which can be sent consecutively. In practical applications, there are seldom more than 15 packets of DATA.

Considering the densest possible transmission of continuous data packets, RF duty cycle will always be less than 45% ((50% duty cycle of each byte) x DATA / (DATA + ACK)).

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