

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Symbol Technologies			Job No.		R-8637-1
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:		15.249
Model No.:		N/A			FCC ID:		H9PPHASERMODULE
Operating Mode:		Continuously Transmitting a 2.402GHz Signal					
Technician:		Peter Lananna			Date:		August 22, 2000
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
2402	H / 1.1	X	62.4	36.6	99.0	89125.1	500000
	H / 1.8	Y	62.3	36.6	98.9	88104.9	
	H / 1.5	Z	58.4	36.6	95.0	56234.1	
	V / 1.8	X	65.2	36.6	101.8	123026.9	
	V / 2.0	Y	56.9	36.6	93.5	47315.1	
2402	V / 1.8	Z	62.1	36.6	98.7	86099.4	500000
4804	H / 1.0	X	47.2	-4.1	43.1	142.9	5000
	H / 1.5	Y	47.5	-4.1	43.4	147.9	
	H / 1.3	Z	51.0	-4.1	46.9	221.3	
	V / 1.8	X	46.6	-4.1	42.5	133.4	
	V / 1.0	Y	47.3	-4.1	43.2	144.5	
4804	V / 1.0	Z	50.0	-4.1	45.9	197.2	5000
7206	H / 1.5	X	39.9	-2.0	37.9	78.5	5000
	H / 1.5	Y	40.4	-2.0	38.4	83.2	
	H / 1.5	Z	40.5	-2.0	38.5	84.1	
	V / 1.5	X	40.1	-2.0	38.1	80.4	
	V / 1.3	Y	41.2	-2.0	39.2	91.2	
7206	V / 1.3	Z	41.4	-2.0	39.4	93.3	5000
9608	H / 1.0	X	38.0	-1.9	36.1	63.8*	5000
	H / 1.0	Y	38.0	-1.9	36.1	63.8*	
	H / 1.0	Z	38.0	-1.9	36.1	63.8*	
	V / 1.0	X	38.0	-1.9	36.1	63.8*	
	V / 1.0	Y	38.0	-1.9	36.1	63.8*	
9608	V / 1.0	Z	38.0	-1.9	36.1	63.8*	5000
12010	H / 1.0	X	40.0	3.8	43.8	154.9*	5000
	H / 1.0	Y	40.0	3.8	43.8	154.9*	
	H / 1.0	Z	40.0	3.8	43.8	154.9*	
	V / 1.0	X	40.0	3.8	43.8	154.9*	
	V / 1.0	Y	40.0	3.8	43.8	154.9*	
12010	V / 1.0	Z	40.0	3.8	43.8	154.9*	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)						



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Model No.:		N/A			FCC ID:		H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.402GHz Signal						
Technician:		Peter Lananna			Date:		August 22, 2000	
Notes:		Test Distance: 3 Meters **= Readings taken at 1 meter, correction factor includes distance extrapolation. 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	
14410	H / 1.0	X	35.0	10.8	45.8	195.0*	5000	
	H / 1.0	Y	35.0	10.8	45.8	195.0*		
	H / 1.0	Z	35.0	10.8	45.8	195.0*		
	V / 1.0	X	35.0	10.8	45.8	195.0*		
	V / 1.0	Y	35.0	10.8	45.8	195.0*		
14410	V / 1.0	Z	35.0	10.8	45.8	195.0*	5000	
16810	H / 1.0	X	36.0	15.5	51.5	375.8*	5000	
	H / 1.0	Y	36.0	15.5	51.5	375.8*		
	H / 1.0	Z	36.0	15.5	51.5	375.8*		
	V / 1.0	X	36.0	15.5	51.5	375.8*		
	V / 1.0	Y	36.0	15.5	51.5	375.8*		
16810	V / 1.0	Z	36.0	15.5	51.5	375.8*	5000	
19220	H / 1.0	X	40.0	22.9**	62.9	1396.4*	5000	
	H / 1.0	Y	40.0	22.9**	62.9	1396.4*		
	H / 1.0	Z	40.0	22.9**	62.9	1396.4*		
	V / 1.0	X	40.0	22.9**	62.9	1396.4*		
	V / 1.0	Y	40.0	22.9**	62.9	1396.4*		
19220	V / 1.0	Z	40.0	22.9**	62.9	1396.4*	5000	
21620	H / 1.0	X	37.2	23.2**	60.4	1047.1*	5000	
	H / 1.0	Y	37.2	23.2**	60.4	1047.1*		
	H / 1.0	Z	37.2	23.2**	60.4	1047.1*		
	V / 1.0	X	37.2	23.2**	60.4	1047.1*		
	V / 1.0	Y	37.2	23.2**	60.4	1047.1*		
21620	V / 1.0	Z	37.2	23.2**	60.4	1047.1*	5000	
24020	H / 1.0	X	36.5	23.4**	59.9	988.6*	5000	
	H / 1.0	Y	36.5	23.4**	59.9	988.6*		
	H / 1.0	Z	36.5	23.4**	59.9	988.6*		
	V / 1.0	X	36.5	23.4**	59.9	988.6*		
	V / 1.0	Y	36.5	23.4**	59.9	988.6*		
24020	V / 1.0	Z	36.5	23.4**	59.9	988.6*	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)							



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Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:		15.249	
Model No.:		N/A			FCC ID:		H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.402GHz Signal						
Technician:		Peter Lananna			Date:		August 22, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle:30%			
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: - 10.4dB			
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	
2482	H / 1.0	X	99.0	-10.4	88.6	26915.3	50000	
	H / 1.0	Y	98.9	-10.4	88.5	26607.3		
	H / 1.0	Z	95.0	-10.4	84.6	16982.4		
	V / 1.0	X	101.8	-10.4	91.4	37153.5		
	V / 1.0	Y	93.5	-10.4	83.1	14288.9		
2482	V / 1.0	Z	98.7	-10.4	88.3	26001.6	50000	
4964	H / 1.0	X	43.1	-10.4	32.7	43.2	500	
	H / 1.0	Y	43.4	-10.4	33.0	44.7		
	H / 1.0	Z	46.9	-10.4	36.5	66.8		
	V / 1.0	X	42.5	-10.4	32.1	40.3		
	V / 1.0	Y	43.2	-10.4	32.8	43.7		
4964	V / 1.0	Z	45.9	-10.4	35.5	59.6	500	
7446	H / 1.0	X	37.9	-10.4	27.5	23.7	500	
	H / 1.0	Y	38.4	-10.4	28.0	25.1		
	H / 1.0	Z	38.5	-10.4	28.1	25.4		
	V / 1.0	X	38.1	-10.4	27.7	24.3		
	V / 1.0	Y	39.2	-10.4	28.8	27.5		
7446	V / 1.0	Z	39.4	-10.4	29.0	28.2	500	
9928	H / 1.0	X	36.1	-10.4	25.7	19.3*	500	
	H / 1.0	Y	36.1	-10.4	25.7	19.3*		
	H / 1.0	Z	36.1	-10.4	25.7	19.3*		
	V / 1.0	X	36.1	-10.4	25.7	19.3*		
	V / 1.0	Y	36.1	-10.4	25.7	19.3*		
9928	V / 1.0	Z	36.1	-10.4	25.7	19.3*	500	
12410	H / 1.0	X	43.8	-10.4	33.4	46.8*	500	
	H / 1.0	Y	43.8	-10.4	33.4	46.8*		
	H / 1.0	Z	43.8	-10.4	33.4	46.8*		
	V / 1.0	X	43.8	-10.4	33.4	46.8*		
	V / 1.0	Y	43.8	-10.4	33.4	46.8*		
12410	V / 1.0	Z	43.8	-10.4	33.4	46.8*	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.							
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Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:	15.249	
Model No.:		N/A			FCC ID:	H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.402GHz Signal					
Technician:		Peter Lananna			Date:	August 22, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle: 30%		
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: -10.4 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
14890	H / 1.0	X	45.8	-10.4	35.4	58.9*	500
	H / 1.0	Y	45.8	-10.4	35.4	58.9*	
	H / 1.0	Z	45.8	-10.4	35.4	58.9*	
	V / 1.0	X	45.8	-10.4	35.4	58.9*	
	V / 1.0	Y	45.8	-10.4	35.4	58.9*	
14890	V / 1.0	Z	45.8	-10.4	35.4	58.9*	500
17370	H / 1.0	X	51.5	-10.4	41.1	113.5*	500
	H / 1.0	Y	51.5	-10.4	41.1	113.5*	
	H / 1.0	Z	51.5	-10.4	41.1	113.5*	
	V / 1.0	X	51.5	-10.4	41.1	113.5*	
	V / 1.0	Y	51.5	-10.4	41.1	113.5*	
17370	V / 1.0	Z	51.5	-10.4	41.1	113.5*	500
19860	H / 1.0	X	62.9	-10.4	52.5	421.7*	500
	H / 1.0	Y	62.9	-10.4	52.5	421.7*	
	H / 1.0	Z	62.9	-10.4	52.5	421.7*	
	V / 1.0	X	62.9	-10.4	52.5	421.7*	
	V / 1.0	Y	62.9	-10.4	52.5	421.7*	
19860	V / 1.0	Z	62.9	-10.4	52.5	421.7*	500
22340	H / 1.0	X	60.4	-10.4	50.0	316.2*	500
	H / 1.0	Y	60.4	-10.4	50.0	316.2*	
	H / 1.0	Z	60.4	-10.4	50.0	316.2*	
	V / 1.0	X	60.4	-10.4	50.0	316.2*	
	V / 1.0	Y	60.4	-10.4	50.0	316.2*	
22340	V / 1.0	Z	60.4	-10.4	50.0	316.2*	500
24820	H / 1.0	X	59.9	-10.4	49.5	298.5*	500
	H / 1.0	Y	59.9	-10.4	49.5	298.5*	
	H / 1.0	Z	59.9	-10.4	49.5	298.5*	
	V / 1.0	X	59.9	-10.4	49.5	298.5*	
	V / 1.0	Y	59.9	-10.4	49.5	298.5*	
24820	V / 1.0	Z	59.9	-10.4	49.5	298.5*	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.						
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Customer:		Symbol Technologies			Job No.		R-8637-1
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:		15.249
Model No.:		N/A			FCC ID:		H9PPHASERMODULE
Operating Mode:		Continuously Transmitting a 2.445GHz Signal					
Technician:		Peter Lananna			Date:		August 22, 2000
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
2445	H / 1.5	X	61.6	36.6	98.2	81283.1	500000
	H / 1.8	Y	60.6	36.6	97.2	72443.6	
	H / 1.5	Z	58.9	36.6	95.5	59566.2	
	V / 1.5	X	64.3	36.6	100.9	110917.5	
	V / 2.0	Y	57.9	36.6	94.5	53088.4	
2445	V / 3.0	Z	60.5	36.6	97.1	71614.3	500000
4840	H / 1.3	X	48.2	-4.1	44.1	160.3	5000
	H / 1.5	Y	47.4	-4.1	43.3	146.2	
	H / 1.5	Z	48.9	-4.1	44.8	173.8	
	V / 1.3	X	50.0	-4.1	45.9	197.2	
	V / 1.3	Y	48.1	-4.1	44.0	158.5	
4840	V / 1.3	Z	49.0	-4.1	44.9	175.8	5000
7335	H / 1.5	X	41.5	-2.0	39.5	94.4	5000
	H / 1.3	Y	41.3	-2.0	39.3	92.3	
	H / 1.5	Z	43.6	-2.0	41.6	120.2	
	V / 1.5	X	41.8	-2.0	39.8	97.7	
	V / 1.5	Y	42.6	-2.0	40.6	107.2	
7335	V / 1.3	Z	42.4	-2.0	40.4	104.7	5000
9780	H / 1.0	X	38.0	-1.9	36.1	63.8*	5000
	H / 1.0	Y	38.0	-1.9	36.1	63.8*	
	H / 1.0	Z	38.0	-1.9	36.1	63.8*	
	V / 1.0	X	38.0	-1.9	36.1	63.8*	
	V / 1.0	Y	38.0	-1.9	36.1	63.8*	
9780	V / 1.0	Z	38.0	-1.9	36.1	63.8*	5000
12220	H / 1.0	X	40.0	3.8	43.8	154.9*	5000
	H / 1.0	Y	40.0	3.8	43.8	154.9*	
	H / 1.0	Z	40.0	3.8	43.8	154.9*	
	V / 1.0	X	40.0	3.8	43.8	154.9*	
	V / 1.0	Y	40.0	3.8	43.8	154.9*	
12220	V / 1.0	Z	40.0	3.8	43.8	154.9*	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.						
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Operating Mode:		Continuously Transmitting a 2.445GHz Signal						
Technician:		Peter Lananna			Date:		August 22, 2000	
Notes:		Test Distance: 3 Meters **= Readings taken at 1 meter, correction factor includes distance extrapolation. 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	
14670	H / 1.0	X	35.0	10.8	45.8	195.0*	5000	
	H / 1.0	Y	35.0	10.8	45.8	195.0*		
	H / 1.0	Z	35.0	10.8	45.8	195.0*		
	V / 1.0	X	35.0	10.8	45.8	195.0*		
	V / 1.0	Y	35.0	10.8	45.8	195.0*		
14670	V / 1.0	Z	35.0	10.8	45.8	195.0*	5000	
17120	H / 1.0	X	36.0	15.5	51.5	375.8*	5000	
	H / 1.0	Y	36.0	15.5	51.5	375.8*		
	H / 1.0	Z	36.0	15.5	51.5	375.8*		
	V / 1.0	X	36.0	15.5	51.5	375.8*		
	V / 1.0	Y	36.0	15.5	51.5	375.8*		
17120	V / 1.0	Z	36.0	15.5	51.5	375.8*	5000	
19560	H / 1.0	X	40.0	22.9**	62.9	1396.4*	5000	
	H / 1.0	Y	40.0	22.9**	62.9	1396.4*		
	H / 1.0	Z	40.0	22.9**	62.9	1396.4*		
	V / 1.0	X	40.0	22.9**	62.9	1396.4*		
	V / 1.0	Y	40.0	22.9**	62.9	1396.4*		
19560	V / 1.0	Z	40.0	22.9**	62.9	1396.4*	5000	
22000	H / 1.0	X	37.2	23.2**	60.4	1047.1*	5000	
	H / 1.0	Y	37.2	23.2**	60.4	1047.1*		
	H / 1.0	Z	37.2	23.2**	60.4	1047.1*		
	V / 1.0	X	37.2	23.2**	60.4	1047.1*		
	V / 1.0	Y	37.2	23.2**	60.4	1047.1*		
22000	V / 1.0	Z	37.2	23.2**	60.4	1047.1*	5000	
24450	H / 1.0	X	36.5	23.4**	59.9	988.6*	5000	
	H / 1.0	Y	36.5	23.4**	59.9	988.6*		
	H / 1.0	Z	36.5	23.4**	59.9	988.6*		
	V / 1.0	X	36.5	23.4**	59.9	988.6*		
	V / 1.0	Y	36.5	23.4**	59.9	988.6*		
24450	V / 1.0	Z	36.5	23.4**	59.9	988.6*	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.							
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Model No.:		N/A			FCC ID:		H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.445GHz Signal						
Technician:		Peter Lananna			Date:		August 22, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle:30%			
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: - 10.4dB			
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	
2445	H / 1.0	X	98.2	-10.4	87.8	24547.1	50000	
	H / 1.0	Y	97.2	-10.4	86.8	21877.6		
	H / 1.0	Z	95.5	-10.4	85.1	17988.7		
	V / 1.0	X	100.9	-10.4	90.5	33496.5		
	V / 1.0	Y	94.5	-10.4	84.1	16032.5		
2445	V / 1.0	Z	97.1	-10.4	86.7	21627.2	50000	
4840	H / 1.0	X	44.1	-10.4	33.7	48.4	500	
	H / 1.0	Y	43.3	-10.4	32.9	44.2		
	H / 1.0	Z	44.8	-10.4	34.4	52.5		
	V / 1.0	X	45.9	-10.4	35.5	59.6		
	V / 1.0	Y	44.0	-10.4	33.6	47.9		
4840	V / 1.0	Z	44.9	-10.4	34.5	53.1	500	
7335	H / 1.0	X	39.5	-10.4	29.1	28.5	500	
	H / 1.0	Y	39.3	-10.4	28.9	27.9		
	H / 1.0	Z	41.6	-10.4	31.2	36.3		
	V / 1.0	X	39.8	-10.4	29.4	29.5		
	V / 1.0	Y	40.6	-10.4	30.2	32.4		
7335	V / 1.0	Z	40.4	-10.4	30.0	31.6	500	
9780	H / 1.0	X	36.1	-10.4	25.7	19.3*	500	
	H / 1.0	Y	36.1	-10.4	25.7	19.3*		
	H / 1.0	Z	36.1	-10.4	25.7	19.3*		
	V / 1.0	X	36.1	-10.4	25.7	19.3*		
	V / 1.0	Y	36.1	-10.4	25.7	19.3*		
9780	V / 1.0	Z	36.1	-10.4	25.7	19.3*	500	
12220	H / 1.0	X	43.8	-10.4	33.4	46.8*	500	
	H / 1.0	Y	43.8	-10.4	33.4	46.8*		
	H / 1.0	Z	43.8	-10.4	33.4	46.8*		
	V / 1.0	X	43.8	-10.4	33.4	46.8*		
	V / 1.0	Y	43.8	-10.4	33.4	46.8*		
12220	V / 1.0	Z	43.8	-10.4	33.4	46.8*	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-8637-1

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Symbol Technologies			Job No.	R-8637-1	
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:	15.249	
Model No.:		N/A			FCC ID:	H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.445GHz Signal					
Technician:		Peter Lananna			Date:	August 22, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle: 30%		
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: -10.4 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
14670	H / 1.0	X	45.8	-10.4	35.4	58.9*	500
	H / 1.0	Y	45.8	-10.4	35.4	58.9*	
	H / 1.0	Z	45.8	-10.4	35.4	58.9*	
	V / 1.0	X	45.8	-10.4	35.4	58.9*	
	V / 1.0	Y	45.8	-10.4	35.4	58.9*	
14670	V / 1.0	Z	45.8	-10.4	35.4	58.9*	500
17120	H / 1.0	X	51.5	-10.4	41.1	113.5*	500
	H / 1.0	Y	51.5	-10.4	41.1	113.5*	
	H / 1.0	Z	51.5	-10.4	41.1	113.5*	
	V / 1.0	X	51.5	-10.4	41.1	113.5*	
	V / 1.0	Y	51.5	-10.4	41.1	113.5*	
17120	V / 1.0	Z	51.5	-10.4	41.1	113.5*	500
19560	H / 1.0	X	62.9	-10.4	52.5	421.7*	500
	H / 1.0	Y	62.9	-10.4	52.5	421.7*	
	H / 1.0	Z	62.9	-10.4	52.5	421.7*	
	V / 1.0	X	62.9	-10.4	52.5	421.7*	
	V / 1.0	Y	62.9	-10.4	52.5	421.7*	
19560	V / 1.0	Z	62.9	-10.4	52.5	421.7*	500
22000	H / 1.0	X	60.4	-10.4	50.0	316.2*	500
	H / 1.0	Y	60.4	-10.4	50.0	316.2*	
	H / 1.0	Z	60.4	-10.4	50.0	316.2*	
	V / 1.0	X	60.4	-10.4	50.0	316.2*	
	V / 1.0	Y	60.4	-10.4	50.0	316.2*	
22000	V / 1.0	Z	60.4	-10.4	50.0	316.2*	500
24450	H / 1.0	X	59.9	-10.4	49.5	298.5*	500
	H / 1.0	Y	59.9	-10.4	49.5	298.5*	
	H / 1.0	Z	59.9	-10.4	49.5	298.5*	
	V / 1.0	X	59.9	-10.4	49.5	298.5*	
	V / 1.0	Y	59.9	-10.4	49.5	298.5*	
24450	V / 1.0	Z	59.9	-10.4	49.5	298.5*	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-8637-1

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Symbol Technologies			Job No.		R-8637-1
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:		15.249
Model No.:		N/A			FCC ID:		H9PPHASERMODULE
Operating Mode:		Continuously Transmitting a 2.482GHz Signal					
Technician:		Peter Lananna			Date:		August 22, 2000
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
2482	H / 1.1	X	56.5	36.6	93.1	45185.6	500000
	H / 2.0	Y	57.7	36.6	94.3	51880.0	
	H / 1.8	Z	57.8	36.6	94.4	52480.7	
	V / 1.1	X	62.6	36.6	99.2	91201.1	
	V / 2.0	Y	55.6	36.6	92.2	40738.0	
2482	V / 1.5	Z	62.8	36.6	99.4	93325.4	500000
4964	H / 1.5	X	46.9	-4.1	42.8	138.0	5000
	H / 1.5	Y	45.4	-4.1	41.3	116.1	
	H / 1.5	Z	49.0	-4.1	44.9	175.8	
	V / 1.3	X	47.8	-4.1	43.7	153.1	
	V / 1.5	Y	46.9	-4.1	42.8	138.0	
4964	V / 1.3	Z	48.6	-4.1	44.5	167.9	5000
7446	H / 1.3	X	44.0	-2.0	42.0	125.9	5000
	H / 1.3	Y	44.8	-2.0	42.8	138.0	
	H / 1.3	Z	44.1	-2.0	42.1	127.4	
	V / 1.3	X	43.3	-2.0	41.3	116.1	
	V / 1.5	Y	44.3	-2.0	42.3	130.3	
7446	V / 1.0	Z	44.4	-2.0	42.4	131.8	5000
9928	H / 1.0	X	38.0	-1.9	36.1	63.8*	5000
	H / 1.0	Y	38.0	-1.9	36.1	63.8*	
	H / 1.0	Z	38.0	-1.9	36.1	63.8*	
	V / 1.0	X	38.0	-1.9	36.1	63.8*	
	V / 1.0	Y	38.0	-1.9	36.1	63.8*	
9928	V / 1.0	Z	38.0	-1.9	36.1	63.8*	5000
12410	H / 1.0	X	40.0	3.8	43.8	154.9*	5000
	H / 1.0	Y	40.0	3.8	43.8	154.9*	
	H / 1.0	Z	40.0	3.8	43.8	154.9*	
	V / 1.0	X	40.0	3.8	43.8	154.9*	
	V / 1.0	Y	40.0	3.8	43.8	154.9*	
12410	V / 1.0	Z	40.0	3.8	43.8	154.9*	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)						



Retlif Testing Laboratories

Retlif Job Number R-8637-1

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions						
Customer:		Symbol Technologies			Job No.		R-8637-1	
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:		15.249	
Model No.:		N/A			FCC ID:		H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.482GHz Signal						
Technician:		Peter Lananna			Date:		August 22, 2000	
Notes:		Test Distance: 3 Meters **= Readings taken at 1 meter, correction factor includes distance extrapolation. 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	
14890	H / 1.0	X	35.0	10.8	45.8	195.0*	5000	
	H / 1.0	Y	35.0	10.8	45.8	195.0*		
	H / 1.0	Z	35.0	10.8	45.8	195.0*		
	V / 1.0	X	35.0	10.8	45.8	195.0*		
	V / 1.0	Y	35.0	10.8	45.8	195.0*		
14890	V / 1.0	Z	35.0	10.8	45.8	195.0*	5000	
17370	H / 1.0	X	36.0	15.5	51.5	375.8*	5000	
	H / 1.0	Y	36.0	15.5	51.5	375.8*		
	H / 1.0	Z	36.0	15.5	51.5	375.8*		
	V / 1.0	X	36.0	15.5	51.5	375.8*		
	V / 1.0	Y	36.0	15.5	51.5	375.8*		
17370	V / 1.0	Z	36.0	15.5	51.5	375.8*	5000	
19860	H / 1.0	X	40.0	22.9**	62.9	1396.4*	5000	
	H / 1.0	Y	40.0	22.9**	62.9	1396.4*		
	H / 1.0	Z	40.0	22.9**	62.9	1396.4*		
	V / 1.0	X	40.0	22.9**	62.9	1396.4*		
	V / 1.0	Y	40.0	22.9**	62.9	1396.4*		
19860	V / 1.0	Z	40.0	22.9**	62.9	1396.4*	5000	
22340	H / 1.0	X	37.2	23.2**	60.4	1047.1*	5000	
	H / 1.0	Y	37.2	23.2**	60.4	1047.1*		
	H / 1.0	Z	37.2	23.2**	60.4	1047.1*		
	V / 1.0	X	37.2	23.2**	60.4	1047.1*		
	V / 1.0	Y	37.2	23.2**	60.4	1047.1*		
22340	V / 1.0	Z	37.2	23.2**	60.4	1047.1*	5000	
24820	H / 1.0	X	36.5	23.4**	59.9	988.6*	5000	
	H / 1.0	Y	36.5	23.4**	59.9	988.6*		
	H / 1.0	Z	36.5	23.4**	59.9	988.6*		
	V / 1.0	X	36.5	23.4**	59.9	988.6*		
	V / 1.0	Y	36.5	23.4**	59.9	988.6*		
24820	V / 1.0	Z	36.5	23.4**	59.9	988.6*	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)							



Retlif Testing Laboratories

Retlif Job Number R-8637-1

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions						
Customer:		Symbol Technologies			Job No.		R-8637-1	
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:		15.249	
Model No.:		N/A			FCC ID:		H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.482GHz Signal						
Technician:		Peter Lananna			Date:		August 22, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle:30%			
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: - 10.4dB			
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	
2482	H / 1.0	X	93.1	-10.4	82.7	13645.8	50000	
	H / 1.0	Y	94.3	-10.4	83.9	15667.5		
	H / 1.0	Z	94.4	-10.4	84.0	15848.9		
	V / 1.0	X	99.2	-10.4	88.8	27542.3		
	V / 1.0	Y	92.2	-10.4	81.8	12302.7		
2482	V / 1.0	Z	99.4	-10.4	89.0	28183.8	50000	
4964	H / 1.0	X	42.8	-10.4	32.4	41.7	500	
	H / 1.0	Y	41.3	-10.4	30.9	35.1		
	H / 1.0	Z	44.9	-10.4	34.5	53.1		
	V / 1.0	X	43.7	-10.4	33.3	46.2		
	V / 1.0	Y	42.8	-10.4	32.4	41.7		
4964	V / 1.0	Z	44.5	-10.4	34.1	50.7	500	
7446	H / 1.0	X	42.0	-10.4	31.6	38.0	500	
	H / 1.0	Y	42.8	-10.4	32.4	41.7		
	H / 1.0	Z	42.1	-10.4	31.7	38.5		
	V / 1.0	X	41.3	-10.4	30.9	35.1		
	V / 1.0	Y	42.3	-10.4	31.9	39.4		
7446	V / 1.0	Z	42.4	-10.4	32.0	39.8	500	
9928	H / 1.0	X	36.1	-10.4	25.7	19.3*	500	
	H / 1.0	Y	36.1	-10.4	25.7	19.3*		
	H / 1.0	Z	36.1	-10.4	25.7	19.3*		
	V / 1.0	X	36.1	-10.4	25.7	19.3*		
	V / 1.0	Y	36.1	-10.4	25.7	19.3*		
9928	V / 1.0	Z	36.1	-10.4	25.7	19.3*	500	
12410	H / 1.0	X	43.8	-10.4	33.4	46.8*	500	
	H / 1.0	Y	43.8	-10.4	33.4	46.8*		
	H / 1.0	Z	43.8	-10.4	33.4	46.8*		
	V / 1.0	X	43.8	-10.4	33.4	46.8*		
	V / 1.0	Y	43.8	-10.4	33.4	46.8*		
12410	V / 1.0	Z	43.8	-10.4	33.4	46.8*	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-8637-1

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Symbol Technologies			Job No.	R-8637-1	
Test Sample:		Pulsed RF Transmitter with patch antenna.			Paragraph:	15.249	
Model No.:		N/A			FCC ID:	H9PPHASERMODULE	
Operating Mode:		Continuously Transmitting a 2.482GHz Signal					
Technician:		Peter Lananna			Date:	August 22, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle: 30%		
		Detector: Peak, unless otherwise specified			Duty Cycle Correction: -10.4 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
14890	H / 1.0	X	45.8	-10.4	35.4	58.9*	500
	H / 1.0	Y	45.8	-10.4	35.4	58.9*	
	H / 1.0	Z	45.8	-10.4	35.4	58.9*	
	V / 1.0	X	45.8	-10.4	35.4	58.9*	
	V / 1.0	Y	45.8	-10.4	35.4	58.9*	
14890	V / 1.0	Z	45.8	-10.4	35.4	58.9*	500
17370	H / 1.0	X	51.5	-10.4	41.1	113.5*	500
	H / 1.0	Y	51.5	-10.4	41.1	113.5*	
	H / 1.0	Z	51.5	-10.4	41.1	113.5*	
	V / 1.0	X	51.5	-10.4	41.1	113.5*	
	V / 1.0	Y	51.5	-10.4	41.1	113.5*	
17370	V / 1.0	Z	51.5	-10.4	41.1	113.5*	500
19860	H / 1.0	X	62.9	-10.4	52.5	421.7*	500
	H / 1.0	Y	62.9	-10.4	52.5	421.7*	
	H / 1.0	Z	62.9	-10.4	52.5	421.7*	
	V / 1.0	X	62.9	-10.4	52.5	421.7*	
	V / 1.0	Y	62.9	-10.4	52.5	421.7*	
19860	V / 1.0	Z	62.9	-10.4	52.5	421.7*	500
22340	H / 1.0	X	60.4	-10.4	50.0	316.2*	500
	H / 1.0	Y	60.4	-10.4	50.0	316.2*	
	H / 1.0	Z	60.4	-10.4	50.0	316.2*	
	V / 1.0	X	60.4	-10.4	50.0	316.2*	
	V / 1.0	Y	60.4	-10.4	50.0	316.2*	
22340	V / 1.0	Z	60.4	-10.4	50.0	316.2*	500
24820	H / 1.0	X	59.9	-10.4	49.5	298.5*	500
	H / 1.0	Y	59.9	-10.4	49.5	298.5*	
	H / 1.0	Z	59.9	-10.4	49.5	298.5*	
	V / 1.0	X	59.9	-10.4	49.5	298.5*	
	V / 1.0	Y	59.9	-10.4	49.5	298.5*	
24820	V / 1.0	Z	59.9	-10.4	49.5	298.5*	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-8637-1