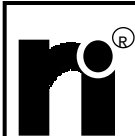


Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions						
Customer:		Symbol Technologies			Job No.		R-8508	
Test Sample:		I.R. Barcode Scanner Base w/ New Antenna			Paragraph:		15.249(a)	
Model No.:		PL470			FCC ID:		H9PPL470	
Operating Mode:		Continuously Transmitting a Pulsed 2.4 GHz Signal						
Technician:		P. Lananna			Date:		April 24, 2000	
Notes:		Test Distance: 3 Meters						
MID		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	
2.445	H / 1.5	X	96.9	-11.5	85.4	18620.9	500000	
	H / 1.0	Y	98.6	-11.5	87.1	22646.4		
	H / 1.5	Z	106.2	-11.5	94.7	54325.0		
	V / 1.0	X	106.6	-11.5	95.1	56885.3		
	V / 1.0	Y	108.6	-11.5	97.1	71614.3		
2.445	V / 1.0	Z	98.1	-11.5	86.6	21379.6	500000	
4.890	H / 1.0	X	37.7	-4.1	33.6	47.9*	5000	
	H / 1.0	Y	37.7	-4.1	33.6	47.9*		
	H / 1.0	Z	37.7	-4.1	33.6	47.9*		
	V / 1.5	X	48.0	-4.1	43.9	156.7		
	V / 1.0	Y	47.8	-4.1	43.7	153.1		
4.890	V / 1.0	Z	46.9	-4.1	42.8	138.0	5000	
7.335	H / 1.0	X	36.0	-2.1	33.9	49.5*	5000	
	H / 1.0	Y	36.0	-2.1	33.9	49.5*		
	H / 1.0	Z	36.0	-2.1	33.9	49.5*		
	V / 1.0	X	36.0	-2.1	33.9	49.5*		
	V / 1.0	Y	36.0	-2.1	33.9	49.5*		
7.335	V / 1.0	Z	36.0	-2.1	33.9	49.5*	5000	
9.780	H / 1.0	X	33.0	-1.8	31.2	36.3*	5000	
	H / 1.0	Y	33.0	-1.8	31.2	36.3*		
	H / 1.0	Z	33.0	-1.8	31.2	36.3*		
	V / 1.0	X	33.0	-1.8	31.2	36.3*		
	V / 1.0	Y	33.0	-1.8	31.2	36.3*		
9780	V / 1.0	Z	33.0	-1.8	31.2	36.3*	5000	
12.23	H / 1.0	X	32.0	2.5	34.5	53.1*	5000	
	H / 1.0	Y	32.0	2.5	34.5	53.1*		
	H / 1.0	Z	32.0	2.5	34.5	53.1*		
	V / 1.0	X	32.0	2.5	34.5	53.1*		
	V / 1.0	Y	32.0	2.5	34.5	53.1*		
12.23	V / 1.0	Z	32.0	2.5	34.5	53.1*	5000	
	The frequency range was scanned from 30 MHz to 24GHz. 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-8508

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions						
Customer:	Symbol Technologies				Job No.	R-8508	
Test Sample:	I.R. Barcode Scanner Base w/ New Antenna				Paragraph:	15.249(a)	
Model No.:	PL470				FCC ID:	H9PPL470	
Operating Mode:	Continuously Transmitting a Pulsed 2.4 GHz Signal						
Technician:	P. Lananna				Date:	April 24, 2000	
Notes:	Test Distance: 3 Meters**=Readings taken at 1 meter, correction factor includes correction for distance.						
MID	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
14.68	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*	
14.68	V / 1.0	Z	35.0	10.8	45.8	195.0*	5000
17.13	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*	
17.13	V / 1.0	Z	36.0	15.5	51.5	375.8*	5000
19.58	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*	
19.58	V / 1.0	Z	40.0	22.9**	62.9	1396.4*	5000
22.03	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*	
22.03	V / 1.0	Z	37.2	23.2**	60.4	1047.1*	5000
24.45	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*	
24.45	V / 1.0	Z	36.5	23.4**	59.9	988.6*	5000
	The frequency range was scanned from 30 MHz to 24 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-8508

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Symbol Technologies			Job No.	R-8508	
Test Sample:		I.R. Barcode Scanner Base w/ New Antenna			Paragraph:	15.249(a)	
Model No.:		PL470			FCC ID:	H9PPL470	
Operating Mode:		Continuously Transmitting a Pulsed 2.4 GHz Signal					
Technician:		P. Lananna			Date:	April 24, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle=30%		
MID		Detector: Peak, Unless otherwise specified			Duty Cycle Correction=-10.5		
Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
GHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2.445	H / 1.5	X	85.4	-10.5	74.9	5559.0	50000
	H / 1.0	Y	87.1	-10.5	76.6	6760.8	
	H / 1.5	Z	94.7	-10.5	84.2	16218.1	
	V / 1.0	X	95.1	-10.5	84.6	16982.4	
	V / 1.0	Y	97.1	-10.5	86.6	21379.6	
2.445	V / 1.0	Z	86.6	-10.5	76.1	6382.6	50000
4.890	H / 1.0	X	33.6	-10.5	23.1	14.3*	500
	H / 1.0	Y	33.6	-10.5	23.1	14.3*	
	H / 1.0	Z	33.6	-10.5	23.1	14.3*	
	V / 1.5	X	43.9	-10.5	33.4	46.8	
	V / 1.0	Y	43.7	-10.5	33.2	45.7	
4.890	V / 1.0	Z	42.8	-10.5	32.3	41.2	500
7.335	H / 1.0	X	33.9	-10.5	23.4	14.8*	500
	H / 1.0	Y	33.9	-10.5	23.4	14.8*	
	H / 1.0	Z	33.9	-10.5	23.4	14.8*	
	V / 1.0	X	33.9	-10.5	23.4	14.8*	
	V / 1.0	Y	33.9	-10.5	23.4	14.8*	
7.335	V / 1.0	Z	33.9	-10.5	23.4	14.8*	500
9.780	H / 1.0	X	31.2	-10.5	20.7	10.8*	500
	H / 1.0	Y	31.2	-10.5	20.7	10.8*	
	H / 1.0	Z	31.2	-10.5	20.7	10.8*	
	V / 1.0	X	31.2	-10.5	20.7	10.8*	
	V / 1.0	Y	31.2	-10.5	20.7	10.8*	
9.780	V / 1.0	Z	31.2	-10.5	20.7	10.8*	500
12.23	H / 1.0	X	34.5	-10.5	24.0	15.8*	500
	H / 1.0	Y	34.5	-10.5	24.0	15.8*	
	H / 1.0	Z	34.5	-10.5	24.0	15.8*	
	V / 1.0	X	34.5	-10.5	24.0	15.8*	
	V / 1.0	Y	34.5	-10.5	24.0	15.8*	
12.23	V / 1.0	Z	34.5	-10.5	24.0	15.8*	500
	The frequency range was scanned from 30 MHz to 24 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-8508

Test Method:		FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions					
Customer:		Symbol Technologies			Job No.	R-8508	
Test Sample:		I.R. Barcode Scanner Base w/ New Antenna			Paragraph:	15.249(a)	
Model No.:		PL470			FCC ID:	H9PPL470	
Operating Mode:		Continuously Transmitting a Pulsed 2.4 GHz Signal					
Technician:		P. Lananna			Date:	April 24, 2000	
Notes:		Test Distance: 3 Meters			Duty Cycle=30%		
MID		Detector: Peak, Unless otherwise specified			Duty Cycle Correction=-10.5		
Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
GHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
14.68	H / 1.0	X	45.8	-10.5	35.3	58.2*	500
	H / 1.0	Y	45.8	-10.5	35.3	58.2*	
	H / 1.0	Z	45.8	-10.5	35.3	58.2*	
	V / 1.0	X	45.8	-10.5	35.3	58.2*	
	V / 1.0	Y	45.8	-10.5	35.3	58.2*	
14.68	V / 1.0	Z	45.8	-10.5	35.3	58.2*	500
17.13	H / 1.0	X	51.5	-10.5	41.0	112.2*	500
	H / 1.0	Y	51.5	-10.5	41.0	112.2*	
	H / 1.0	Z	51.5	-10.5	41.0	112.2*	
	V / 1.0	X	51.5	-10.5	41.0	112.2*	
	V / 1.0	Y	51.5	-10.5	41.0	112.2*	
17.13	V / 1.0	Z	51.5	-10.5	41.0	112.2*	500
19.58	H / 1.0	X	62.9	-10.5	52.4	416.9*	500
	H / 1.0	Y	62.9	-10.5	52.4	416.9*	
	H / 1.0	Z	62.9	-10.5	52.4	416.9*	
	V / 1.0	X	62.9	-10.5	52.4	416.9*	
	V / 1.0	Y	62.9	-10.5	52.4	416.9*	
19.58	V / 1.0	Z	62.9	-10.5	52.4	416.9*	500
22.03	H / 1.0	X	60.4	-10.5	49.9	312.6*	500
	H / 1.0	Y	60.4	-10.5	49.9	312.6*	
	H / 1.0	Z	60.4	-10.5	49.9	312.6*	
	V / 1.0	X	60.4	-10.5	49.9	312.6*	
	V / 1.0	Y	60.4	-10.5	49.9	312.6*	
22.03	V / 1.0	Z	60.4	-10.5	49.9	312.6*	500
24.45	H / 1.0	X	59.9	-10.5	49.4	295.1*	500
	H / 1.0	Y	59.9	-10.5	49.4	295.1*	
	H / 1.0	Z	59.9	-10.5	49.4	295.1*	
	V / 1.0	X	59.9	-10.5	49.4	295.1*	
	V / 1.0	Y	59.9	-10.5	49.4	295.1*	
24.45	V / 1.0	Z	59.9	-10.5	49.4	295.1*	500
	The frequency range was scanned from 30 MHz to 24 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

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