

## Test Photographs Spurious Radiated Emissions



Horizontal Antenna Polarization, 1 GHz to 18 GHz, Log Periodic,  
External Antenna



Vertical Antenna Polarization, 1 GHz to 18 GHz, Log Periodic,  
External Antenna



**Retlif Testing Laboratories**

Report No. R-6339N-1

## Test Photographs Spurious Radiated Emissions



Horizontal Antenna Polarization, 18 GHz to 25 GHz, Log Periodic,  
External Antenna



Vertical Antenna Polarization, 18 GHz to 25 GHz, Log Periodic,  
External Antenna



**Retlif Testing Laboratories**

Report No. R-6339N-1

**FCC Section 15.247 (d)  
Out of Band/Band Edge Radiated Emissions  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Unwanted Emissions into Restricted Frequency Bands,  
Internal Antenna  
25 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
37.50	-	-	-	-		-	100.00
	38.00	0.3	12.61	12.91	*	4.42	I
38.25	-	-	-	-		-	100.00
73.00	-	-	-	-		-	100.00
	74.00	9.09	8.94	18.03	*	7.97	I
74.60	-	-	-	-		-	100.00
74.80	-	-	-	-		-	100.00
	75.00	4.04	8.94	12.98	*	4.46	
75.20	-	-	-	-		-	100.00
108.00	-	-	-	-		-	150.00
	115.00	0.31	15.11	15.42	*	5.90	
	-	-	-	-		-	
121.94	-	-	-	-		-	150.00
123.00	-	-	-	-		-	150.00
	130.00	0.46	14.57	15.03	*	5.64	
	-	-	-	-		-	
138.00	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
149.90	-	-	-	-		-	150.00
	150.00	-1.17	17.65	16.48	*	6.67	
150.05	-	-	-	-		-	150.00
156.52	-	-	-	-		-	150.00
	156.52	0.39	17.65	18.04	*	7.98	
156.52	-	-	-	-		-	150.00
156.70	-	-	-	-		-	150.00
	156.80	0.45	17.65	18.10	*	8.04	
156.90	-	-	-	-		-	150.00
162.01	-	-	-	-		-	150.00
	165.00	-0.55	19.66	19.11	*	9.03	
167.17	-	-	-	-		-	150.00
167.72	-	-	-	-		-	150.00
	170.00	-0.92	20.12	19.2	*	9.12	
173.20	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
240.00	-	-	-	-		-	200.00
	262.50	1.85	15.92	17.77	*	7.74	
285.00	-	-	-				200.00
322.80	-	-	-				200.00
	330.00	1.78	18.72	20.5	*	10.59	
335.40	-	-	-				200.00
399.90	-	-	-				200.00
	405.00	0.13	20.86	20.99	*	11.21	
410.00	-	-	-				200.00
608.00	-	-	-				200.00
	611.00	-0.07	25.89	25.82	*	19.54	
614.00	-	-	-				200.00
960.00	-	-	-				500.00
	975.00	0.78	32.84	33.62	*	47.97	
1240.00	-	-	-			-	500.00
1300.00	-	-	-			-	500.00
	1350.00	32.64	-9.32	23.29	*	15.70	
1427.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m			Converted Reading uV/m	Limit at 3M uV/m
1435.00	-	-	-	-			-	500.00
	1500.00	32.35	-9.49	22.86	*		13.90	
1646.50	-	-	-	-			-	500.00
1660.00	-	-	-	-			-	500.00
	1680.00	32.08	-8.60	23.48	*		14.93	
1710.00	-	-	-	-			-	500.00
1718.80	-	-	-	-			-	500.00
	1720.00	32.00	-8.60	23.4	*		14.79	
1722.20	-	-	-	-			-	500.00
2200.00	-	-	-	-			-	500.00
	2250.00	31.65	-6.40	25.25	*		18.30	
2300.00	-	-	-	-			-	500.00
2310.00	-	-	-	-			-	500.00
	2350.00	31.67	-5.63	26.04	*		20.04	
2390.00	-	-	-	-			-	500.00
2483.50	-	-	-	-			-	500.00
	2491.75	31.48	-5.48	26	*		19.95	
2500.00	-	-	-	-			-	500.00

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum.  
 \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

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**Retlif Testing Laboratories**

Report No. R-6339N-1



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
2690.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	2750.00	31.49	-5.01	26.48	*	21.09	
	-	-	-	-		-	
2900.00	-	-	-	-		-	500.00
3260.00	-	-	-	-		-	500.00
	3263.00	31.35	-2.85	28.5	*	26.61	
3267.00	-	-	-	-		-	500.00
3332.00	-	-	-	-		-	500.00
	3336.00	31.34	-2.85	28.49	*	26.58	
3339.00	-	-	-	-		-	500.00
3345.00	-	-	-	-		-	500.00
	3350.00	31.35	-2.53	28.82	*	27.61	
3358.00	-	-	-	-		-	500.00
3600.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	3700.00	30.91	-1.6	29.31	*	29.21	
	-	-	-	-		-	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

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**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m			Converted Reading uV/m	Limit at 3M uV/m
	-	-	-	-			-	
4400.00	-	-	-	-			-	500.00
4500.00	-	-	-	-			-	500.00
	4825.00	30.54	-0.05	30.49	*		33.46	
5150.00	-	-	-	-			-	500.00
5350.00	-	-	-	-			-	500.00
	5400.00	30.36	1.78	32.14	*		40.46	
5460.00	-	-	-	-			-	500.00
7250.00	-	-	-	-			-	500.00
	7440.00	30.85	4.18	35.03	*		56.43	
7750.00	-	-	-	-			-	500.00
8025.00	-	-	-	-			-	500.00
	8300.00	31.57	4.84	36.41	*		66.15	
8500.00	-	-	-	-			-	500.00
9000.00	-	-	-	-			-	500.00
	9100.00	31.62	5.34	36.96	*		70.47	
9200.00	-	-	-	-			-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with Internal antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4200-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
9300.00	-	-	-	-		-	500.00
	9400.00	31.63	5.58	37.21	*	72.53	
9500.00	-	-	-	-		-	500.00
10600.00	-	-	-	-		-	500.00
	12200.00	31.24	9.32	40.56	*	106.66	
12700.00	-	-	-	-		-	500.00
13250.00	-	-	-	-		-	500.00
	15800.00	32.48	6.51	38.99	*	89.02	
16200.00	-	-	-	-		-	500.00
17700.00	-	-	-	-		-	500.00
	19240.00	31.73	-4.11	27.62	*	24.04	
21400.00	-	-	-	-		-	500.00
22010.00	-	-	-	-		-	500.00
	22320.00	33.64	-4.3	29.34	*	29.31	
23120.00	-	-	-	-		-	500.00
23600.00	-	-	-	-		-	500.00
	23800.00	34.36	-3.35	31.01	*	35.52	
24000.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 7 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Unwanted Emissions into Restricted Frequency Bands,  
External Antenna, Part Number: FXP73.07.0100A  
25 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
37.50	-	-	-	-		-	100.00
	38.00	0.3	12.61	12.91	*	4.42	I
38.25	-	-	-	-		-	100.00
73.00	-	-	-	-		-	100.00
	74.00	9.09	8.94	18.03	*	7.97	I
74.60	-	-	-	-		-	100.00
74.80	-	-	-	-		-	100.00
	75.00	4.04	8.94	12.98	*	4.46	
75.20	-	-	-	-		-	100.00
108.00	-	-	-	-		-	150.00
	115.00	0.31	15.11	15.42	*	5.90	
	-	-	-	-		-	
121.94	-	-	-	-		-	150.00
123.00	-	-	-	-		-	150.00
	130.00	0.46	14.57	15.03	*	5.64	
	-	-	-	-		-	
138.00	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
149.90	-	-	-	-		-	150.00
	150.00	-1.17	17.65	16.48	*	6.67	
150.05	-	-	-	-		-	150.00
156.52	-	-	-	-		-	150.00
	156.52	0.39	17.65	18.04	*	7.98	
156.52	-	-	-	-		-	150.00
156.70	-	-	-	-		-	150.00
	156.80	0.45	17.65	18.10	*	8.04	
156.90	-	-	-	-		-	150.00
162.01	-	-	-	-		-	150.00
	165.00	-0.55	19.66	19.11	*	9.03	
167.17	-	-	-	-		-	150.00
167.72	-	-	-	-		-	150.00
	170.00	-0.92	20.12	19.2	*	9.12	
173.20	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
240.00	-	-	-	-		-	200.00
	262.50	1.85	15.92	17.77	*	7.74	
285.00	-	-	-				200.00
322.80	-	-	-				200.00
	330.00	1.78	18.72	20.5	*	10.59	
335.40	-	-	-				200.00
399.90	-	-	-				200.00
	405.00	0.13	20.86	20.99	*	11.21	
410.00	-	-	-				200.00
608.00	-	-	-				200.00
	611.00	-0.07	25.89	25.82	*	19.54	
614.00	-	-	-				200.00
960.00	-	-	-				500.00
	975.00	0.78	32.84	33.62	*	47.97	
1240.00	-	-	-			-	500.00
1300.00	-	-	-			-	500.00
	1350.00	32.64	-9.32	23.29	*	15.70	
1427.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
1435.00	-	-	-	-		-	500.00
	1500.00	32.35	-9.49	22.86	*	13.90	
1646.50	-	-	-	-		-	500.00
1660.00	-	-	-	-		-	500.00
	1680.00	32.08	-8.60	23.48	*	14.93	
1710.00	-	-	-	-		-	500.00
1718.80	-	-	-	-		-	500.00
	1720.00	32.00	-8.60	23.4	*	14.79	
1722.20	-	-	-	-		-	500.00
2200.00	-	-	-	-		-	500.00
	2250.00	31.65	-6.40	25.25	*	18.30	
2300.00	-	-	-	-		-	500.00
2310.00	-	-	-	-		-	500.00
	2350.00	31.67	-5.63	26.04	*	20.04	
2390.00	-	-	-	-		-	500.00
2483.50	-	-	-	-		-	500.00
	2491.75	31.48	-5.48	26	*	19.95	
2500.00	-	-	-	-		-	500.00

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum.  
 \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 4 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
2690.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	2750.00	31.49	-5.01	26.48	*	21.09	
	-	-	-	-		-	
2900.00	-	-	-	-		-	500.00
3260.00	-	-	-	-		-	500.00
	3263.00	31.35	-2.85	28.5	*	26.61	
3267.00	-	-	-	-		-	500.00
3332.00	-	-	-	-		-	500.00
	3336.00	31.34	-2.85	28.49	*	26.58	
3339.00	-	-	-	-		-	500.00
3345.00	-	-	-	-		-	500.00
	3350.00	31.35	-2.53	28.82	*	27.61	
3358.00	-	-	-	-		-	500.00
3600.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	3700.00	30.91	-1.6	29.31	*	29.21	
	-	-	-	-		-	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 5 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
	-	-	-	-		-	
4400.00	-	-	-	-		-	500.00
4500.00	-	-	-	-		-	500.00
	4825.00	30.54	-0.05	30.49	*	33.46	
	-	-	-	-		-	
5150.00	-	-	-	-		-	500.00
5350.00	-	-	-	-		-	500.00
	5400.00	30.36	1.78	32.14	*	40.46	
5460.00	-	-	-	-		-	500.00
7250.00	-	-	-	-		-	500.00
	7440.00	30.85	4.18	35.03	*	56.43	
7750.00	-	-	-	-		-	500.00
8025.00	-	-	-	-		-	500.00
	8300.00	31.57	4.84	36.41	*	66.15	
8500.00	-	-	-	-		-	500.00
9000.00	-	-	-	-		-	500.00
	9100.00	31.62	5.34	36.96	*	70.47	
9200.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with FXP73.07.0100A antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
9300.00	-	-	-	-		-	500.00
	9400.00	31.63	5.58	37.21	*	72.53	
9500.00	-	-	-	-		-	500.00
10600.00	-	-	-	-		-	500.00
	12200.00	31.24	9.32	40.56	*	106.66	
12700.00	-	-	-	-		-	500.00
13250.00	-	-	-	-		-	500.00
	15800.00	32.48	6.51	38.99	*	89.02	
16200.00	-	-	-	-		-	500.00
17700.00	-	-	-	-		-	500.00
	19240.00	31.73	-4.11	27.62	*	24.04	
21400.00	-	-	-	-		-	500.00
22010.00	-	-	-	-		-	500.00
	22320.00	33.64	-4.3	29.34	*	29.31	
23120.00	-	-	-	-		-	500.00
23600.00	-	-	-	-		-	500.00
	23800.00	34.36	-3.35	31.01	*	35.52	
24000.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 7 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Unwanted Emissions into Restricted Frequency Bands,  
External Antenna, Part Number: ANT-DB1-RAF-RPS-ND  
25 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
37.50	-	-	-	-		-	100.00
	38.00	0.3	12.61	12.91	*	4.42	I
38.25	-	-	-	-		-	100.00
73.00	-	-	-	-		-	100.00
	74.00	9.09	8.94	18.03	*	7.97	I
74.60	-	-	-	-		-	100.00
74.80	-	-	-	-		-	100.00
	75.00	4.04	8.94	12.98	*	4.46	
75.20	-	-	-	-		-	100.00
108.00	-	-	-	-		-	150.00
	115.00	0.31	15.11	15.42	*	5.90	
	-	-	-	-		-	
121.94	-	-	-	-		-	150.00
123.00	-	-	-	-		-	150.00
	130.00	0.46	14.57	15.03	*	5.64	
	-	-	-	-		-	
138.00	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
149.90	-	-	-	-		-	150.00
	150.00	-1.17	17.65	16.48	*	6.67	
150.05	-	-	-	-		-	150.00
156.52	-	-	-	-		-	150.00
	156.52	0.39	17.65	18.04	*	7.98	
156.52	-	-	-	-		-	150.00
156.70	-	-	-	-		-	150.00
	156.80	0.45	17.65	18.10	*	8.04	
156.90	-	-	-	-		-	150.00
162.01	-	-	-	-		-	150.00
	165.00	-0.55	19.66	19.11	*	9.03	
167.17	-	-	-	-		-	150.00
167.72	-	-	-	-		-	150.00
	170.00	-0.92	20.12	19.2	*	9.12	
173.20	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
240.00	-	-	-	-		-	200.00
	262.50	1.85	15.92	17.77	*	7.74	
285.00	-	-	-				200.00
322.80	-	-	-				200.00
	330.00	1.78	18.72	20.5	*	10.59	
335.40	-	-	-				200.00
399.90	-	-	-				200.00
	405.00	0.13	20.86	20.99	*	11.21	
410.00	-	-	-				200.00
608.00	-	-	-				200.00
	611.00	-0.07	25.89	25.82	*	19.54	
614.00	-	-	-				200.00
960.00	-	-	-				500.00
	975.00	0.78	32.84	33.62	*	47.97	
1240.00	-	-	-			-	500.00
1300.00	-	-	-			-	500.00
	1350.00	32.64	-9.32	23.29	*	15.70	
1427.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
1435.00	-	-	-	-		-	500.00
	1500.00	32.35	-9.49	22.86	*	13.90	
1646.50	-	-	-	-		-	500.00
1660.00	-	-	-	-		-	500.00
	1680.00	32.08	-8.60	23.48	*	14.93	
1710.00	-	-	-	-		-	500.00
1718.80	-	-	-	-		-	500.00
	1720.00	32.00	-8.60	23.4	*	14.79	
1722.20	-	-	-	-		-	500.00
2200.00	-	-	-	-		-	500.00
	2250.00	31.65	-6.40	25.25	*	18.30	
2300.00	-	-	-	-		-	500.00
2310.00	-	-	-	-		-	500.00
	2350.00	31.67	-5.63	26.04	*	20.04	
2390.00	-	-	-	-		-	500.00
2483.50	-	-	-	-		-	500.00
	2491.75	31.48	-5.48	26	*	19.95	
2500.00	-	-	-	-		-	500.00

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum.  
 \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 4 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
2690.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	2750.00	31.49	-5.01	26.48	*	21.09	
	-	-	-	-		-	
2900.00	-	-	-	-		-	500.00
3260.00	-	-	-	-		-	500.00
	3263.00	31.35	-2.85	28.5	*	26.61	
3267.00	-	-	-	-		-	500.00
3332.00	-	-	-	-		-	500.00
	3336.00	31.34	-2.85	28.49	*	26.58	
3339.00	-	-	-	-		-	500.00
3345.00	-	-	-	-		-	500.00
	3350.00	31.35	-2.53	28.82	*	27.61	
3358.00	-	-	-	-		-	500.00
3600.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	3700.00	30.91	-1.6	29.31	*	29.21	
	-	-	-	-		-	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 5 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
	-	-	-	-		-	
4400.00	-	-	-	-		-	500.00
4500.00	-	-	-	-		-	500.00
	4825.00	30.54	-0.05	30.49	*	33.46	
	-	-	-	-		-	
5150.00	-	-	-	-		-	500.00
5350.00	-	-	-	-		-	500.00
	5400.00	30.36	1.78	32.14	*	40.46	
5460.00	-	-	-	-		-	500.00
7250.00	-	-	-	-		-	500.00
	7440.00	30.85	4.18	35.03	*	56.43	
7750.00	-	-	-	-		-	500.00
8025.00	-	-	-	-		-	500.00
	8300.00	31.57	4.84	36.41	*	66.15	
8500.00	-	-	-	-		-	500.00
9000.00	-	-	-	-		-	500.00
	9100.00	31.62	5.34	36.96	*	70.47	
9200.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-DB1-RAF-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading			Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m			uV/m	uV/m
9300.00	-	-	-	-			-	500.00
	9400.00	31.63	5.58	37.21	*		72.53	
9500.00	-	-	-	-			-	500.00
10600.00	-	-	-	-			-	500.00
	12200.00	31.24	9.32	40.56	*		106.66	
12700.00	-	-	-	-			-	500.00
13250.00	-	-	-	-			-	500.00
	15800.00	32.48	6.51	38.99	*		89.02	
16200.00	-	-	-	-			-	500.00
17700.00	-	-	-	-			-	500.00
	19240.00	31.73	-4.11	27.62	*		24.04	
21400.00	-	-	-	-			-	500.00
22010.00	-	-	-	-			-	500.00
	22320.00	33.64	-4.3	29.34	*		29.31	
23120.00	-	-	-	-			-	500.00
23600.00	-	-	-	-			-	500.00
	23800.00	34.36	-3.35	31.01	*		35.52	
24000.00	-	-	-	-			-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 7 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Unwanted Emissions into Restricted Frequency Bands,  
External Antenna, Part Number: ANT-2.4-CW-RH-RPS-ND  
25 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
37.50	-	-	-	-		-	100.00
	38.00	0.3	12.61	12.91	*	4.42	I
38.25	-	-	-	-		-	100.00
73.00	-	-	-	-		-	100.00
	74.00	9.09	8.94	18.03	*	7.97	I
74.60	-	-	-	-		-	100.00
74.80	-	-	-	-		-	100.00
	75.00	4.04	8.94	12.98	*	4.46	
75.20	-	-	-	-		-	100.00
108.00	-	-	-	-		-	150.00
	115.00	0.31	15.11	15.42	*	5.90	
	-	-	-	-		-	
121.94	-	-	-	-		-	150.00
123.00	-	-	-	-		-	150.00
	130.00	0.46	14.57	15.03	*	5.64	
	-	-	-	-		-	
138.00	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
149.90	-	-	-	-		-	150.00
	150.00	-1.17	17.65	16.48	*	6.67	
150.05	-	-	-	-		-	150.00
156.52	-	-	-	-		-	150.00
	156.52	0.39	17.65	18.04	*	7.98	
156.52	-	-	-	-		-	150.00
156.70	-	-	-	-		-	150.00
	156.80	0.45	17.65	18.10	*	8.04	
156.90	-	-	-	-		-	150.00
162.01	-	-	-	-		-	150.00
	165.00	-0.55	19.66	19.11	*	9.03	
167.17	-	-	-	-		-	150.00
167.72	-	-	-	-		-	150.00
	170.00	-0.92	20.12	19.2	*	9.12	
173.20	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
240.00	-	-	-	-		-	200.00
	262.50	1.85	15.92	17.77	*	7.74	
285.00	-	-	-				200.00
322.80	-	-	-				200.00
	330.00	1.78	18.72	20.5	*	10.59	
335.40	-	-	-				200.00
399.90	-	-	-				200.00
	405.00	0.13	20.86	20.99	*	11.21	
410.00	-	-	-				200.00
608.00	-	-	-				200.00
	611.00	-0.07	25.89	25.82	*	19.54	
614.00	-	-	-				200.00
960.00	-	-	-				500.00
	975.00	0.78	32.84	33.62	*	47.97	
1240.00	-	-	-			-	500.00
1300.00	-	-	-			-	500.00
	1350.00	32.64	-9.32	23.29	*	15.70	
1427.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
1435.00	-	-	-	-		-	500.00
	1500.00	32.35	-9.49	22.86	*	13.90	
1646.50	-	-	-	-		-	500.00
1660.00	-	-	-	-		-	500.00
	1680.00	32.08	-8.60	23.48	*	14.93	
1710.00	-	-	-	-		-	500.00
1718.80	-	-	-	-		-	500.00
	1720.00	32.00	-8.60	23.4	*	14.79	
1722.20	-	-	-	-		-	500.00
2200.00	-	-	-	-		-	500.00
	2250.00	31.65	-6.40	25.25	*	18.30	
2300.00	-	-	-	-		-	500.00
2310.00	-	-	-	-		-	500.00
	2350.00	31.67	-5.63	26.04	*	20.04	
2390.00	-	-	-	-		-	500.00
2483.50	-	-	-	-		-	500.00
	2491.75	31.48	-5.48	26	*	19.95	
2500.00	-	-	-	-		-	500.00

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum.  
 \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 4 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
2690.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	2750.00	31.49	-5.01	26.48	*	21.09	
	-	-	-	-		-	
2900.00	-	-	-	-		-	500.00
3260.00	-	-	-	-		-	500.00
	3263.00	31.35	-2.85	28.5	*	26.61	
3267.00	-	-	-	-		-	500.00
3332.00	-	-	-	-		-	500.00
	3336.00	31.34	-2.85	28.49	*	26.58	
3339.00	-	-	-	-		-	500.00
3345.00	-	-	-	-		-	500.00
	3350.00	31.35	-2.53	28.82	*	27.61	
3358.00	-	-	-	-		-	500.00
3600.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	3700.00	30.91	-1.6	29.31	*	29.21	
	-	-	-	-		-	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 5 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading			Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m			uV/m	uV/m
	-	-	-	-			-	
4400.00	-	-	-	-			-	500.00
4500.00	-	-	-	-			-	500.00
	4825.00	30.54	-0.05	30.49	*		33.46	
	-	-	-	-			-	
5150.00	-	-	-	-			-	500.00
5350.00	-	-	-	-			-	500.00
	5400.00	30.36	1.78	32.14	*		40.46	
5460.00	-	-	-	-			-	500.00
7250.00	-	-	-	-			-	500.00
	7440.00	30.85	4.18	35.03	*		56.43	
7750.00	-	-	-	-			-	500.00
8025.00	-	-	-	-			-	500.00
	8300.00	31.57	4.84	36.41	*		66.15	
8500.00	-	-	-	-			-	500.00
9000.00	-	-	-	-			-	500.00
	9100.00	31.62	5.34	36.96	*		70.47	
9200.00	-	-	-	-			-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with ANT-2.4-CW-RH-RPS-ND antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
9300.00	-	-	-	-		-	500.00
	9400.00	31.63	5.58	37.21	*	72.53	
9500.00	-	-	-	-		-	500.00
10600.00	-	-	-	-		-	500.00
	12200.00	31.24	9.32	40.56	*	106.66	
12700.00	-	-	-	-		-	500.00
13250.00	-	-	-	-		-	500.00
	15800.00	32.48	6.51	38.99	*	89.02	
16200.00	-	-	-	-		-	500.00
17700.00	-	-	-	-		-	500.00
	19240.00	31.73	-4.11	27.62	*	24.04	
21400.00	-	-	-	-		-	500.00
22010.00	-	-	-	-		-	500.00
	22320.00	33.64	-4.3	29.34	*	29.31	
23120.00	-	-	-	-		-	500.00
23600.00	-	-	-	-		-	500.00
	23800.00	34.36	-3.35	31.01	*	35.52	
24000.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 7 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Unwanted Emissions into Restricted Frequency Bands,  
External Antenna, Part Number: 001-0024  
25 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
37.50	-	-	-	-		-	100.00
	38.00	0.3	12.61	12.91	*	4.42	I
38.25	-	-	-	-		-	100.00
73.00	-	-	-	-		-	100.00
	74.00	9.09	8.94	18.03	*	7.97	I
74.60	-	-	-	-		-	100.00
74.80	-	-	-	-		-	100.00
	75.00	4.04	8.94	12.98	*	4.46	
75.20	-	-	-	-		-	100.00
108.00	-	-	-	-		-	150.00
	115.00	0.31	15.11	15.42	*	5.90	
	-	-	-	-		-	
121.94	-	-	-	-		-	150.00
123.00	-	-	-	-		-	150.00
	130.00	0.46	14.57	15.03	*	5.64	
	-	-	-	-		-	
138.00	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
149.90	-	-	-	-		-	150.00
	150.00	-1.17	17.65	16.48	*	6.67	
150.05	-	-	-	-		-	150.00
156.52	-	-	-	-		-	150.00
	156.52	0.39	17.65	18.04	*	7.98	
156.52	-	-	-	-		-	150.00
156.70	-	-	-	-		-	150.00
	156.80	0.45	17.65	18.10	*	8.04	
156.90	-	-	-	-		-	150.00
162.01	-	-	-	-		-	150.00
	165.00	-0.55	19.66	19.11	*	9.03	
167.17	-	-	-	-		-	150.00
167.72	-	-	-	-		-	150.00
	170.00	-0.92	20.12	19.2	*	9.12	
173.20	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
240.00	-	-	-	-		-	200.00
	262.50	1.85	15.92	17.77	*	7.74	
285.00	-	-	-				200.00
322.80	-	-	-				200.00
	330.00	1.78	18.72	20.5	*	10.59	
335.40	-	-	-				200.00
399.90	-	-	-				200.00
	405.00	0.13	20.86	20.99	*	11.21	
410.00	-	-	-				200.00
608.00	-	-	-				200.00
	611.00	-0.07	25.89	25.82	*	19.54	
614.00	-	-	-				200.00
960.00	-	-	-				500.00
	975.00	0.78	32.84	33.62	*	47.97	
1240.00	-	-	-			-	500.00
1300.00	-	-	-			-	500.00
	1350.00	32.64	-9.32	23.29	*	15.70	
1427.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
1435.00	-	-	-	-		-	500.00
	1500.00	32.35	-9.49	22.86	*	13.90	
1646.50	-	-	-	-		-	500.00
1660.00	-	-	-	-		-	500.00
	1680.00	32.08	-8.60	23.48	*	14.93	
1710.00	-	-	-	-		-	500.00
1718.80	-	-	-	-		-	500.00
	1720.00	32.00	-8.60	23.4	*	14.79	
1722.20	-	-	-	-		-	500.00
2200.00	-	-	-	-		-	500.00
	2250.00	31.65	-6.40	25.25	*	18.30	
2300.00	-	-	-	-		-	500.00
2310.00	-	-	-	-		-	500.00
	2350.00	31.67	-5.63	26.04	*	20.04	
2390.00	-	-	-	-		-	500.00
2483.50	-	-	-	-		-	500.00
	2491.75	31.48	-5.48	26	*	19.95	
2500.00	-	-	-	-		-	500.00

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum.  
 \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 4 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
2690.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	2750.00	31.49	-5.01	26.48	*	21.09	
	-	-	-	-		-	
2900.00	-	-	-	-		-	500.00
3260.00	-	-	-	-		-	500.00
	3263.00	31.35	-2.85	28.5	*	26.61	
3267.00	-	-	-	-		-	500.00
3332.00	-	-	-	-		-	500.00
	3336.00	31.34	-2.85	28.49	*	26.58	
3339.00	-	-	-	-		-	500.00
3345.00	-	-	-	-		-	500.00
	3350.00	31.35	-2.53	28.82	*	27.61	
3358.00	-	-	-	-		-	500.00
3600.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	3700.00	30.91	-1.6	29.31	*	29.21	
	-	-	-	-		-	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 5 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m			Converted Reading uV/m	Limit at 3M uV/m
	-	-	-	-			-	
4400.00	-	-	-	-			-	500.00
4500.00	-	-	-	-			-	500.00
	4825.00	30.54	-0.05	30.49	*		33.46	
	-	-	-	-			-	
5150.00	-	-	-	-			-	500.00
5350.00	-	-	-	-			-	500.00
	5400.00	30.36	1.78	32.14	*		40.46	
5460.00	-	-	-	-			-	500.00
7250.00	-	-	-	-			-	500.00
	7440.00	30.85	4.18	35.03	*		56.43	
7750.00	-	-	-	-			-	500.00
8025.00	-	-	-	-			-	500.00
	8300.00	31.57	4.84	36.41	*		66.15	
8500.00	-	-	-	-			-	500.00
9000.00	-	-	-	-			-	500.00
	9100.00	31.62	5.34	36.96	*		70.47	
9200.00	-	-	-	-			-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with 001-0024 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
9300.00	-	-	-	-		-	500.00
	9400.00	31.63	5.58	37.21	*	72.53	
9500.00	-	-	-	-		-	500.00
10600.00	-	-	-	-		-	500.00
	12200.00	31.24	9.32	40.56	*	106.66	
12700.00	-	-	-	-		-	500.00
13250.00	-	-	-	-		-	500.00
	15800.00	32.48	6.51	38.99	*	89.02	
16200.00	-	-	-	-		-	500.00
17700.00	-	-	-	-		-	500.00
	19240.00	31.73	-4.11	27.62	*	24.04	
21400.00	-	-	-	-		-	500.00
22010.00	-	-	-	-		-	500.00
	22320.00	33.64	-4.3	29.34	*	29.31	
23120.00	-	-	-	-		-	500.00
23600.00	-	-	-	-		-	500.00
	23800.00	34.36	-3.35	31.01	*	35.52	
24000.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 7 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Unwanted Emissions into Restricted Frequency Bands,  
External Antenna, Part Number: SWLP.2450.12.4.B.02  
25 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
37.50	-	-	-	-		-	100.00
	38.00	0.3	12.61	12.91	*	4.42	I
38.25	-	-	-	-		-	100.00
73.00	-	-	-	-		-	100.00
	74.00	9.09	8.94	18.03	*	7.97	I
74.60	-	-	-	-		-	100.00
74.80	-	-	-	-		-	100.00
	75.00	4.04	8.94	12.98	*	4.46	
75.20	-	-	-	-		-	100.00
108.00	-	-	-	-		-	150.00
	115.00	0.31	15.11	15.42	*	5.90	
	-	-	-	-		-	
121.94	-	-	-	-		-	150.00
123.00	-	-	-	-		-	150.00
	130.00	0.46	14.57	15.03	*	5.64	
	-	-	-	-		-	
138.00	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
149.90	-	-	-	-		-	150.00
	150.00	-1.17	17.65	16.48	*	6.67	
150.05	-	-	-	-		-	150.00
156.52	-	-	-	-		-	150.00
	156.52	0.39	17.65	18.04	*	7.98	
156.52	-	-	-	-		-	150.00
156.70	-	-	-	-		-	150.00
	156.80	0.45	17.65	18.10	*	8.04	
156.90	-	-	-	-		-	150.00
162.01	-	-	-	-		-	150.00
	165.00	-0.55	19.66	19.11	*	9.03	
167.17	-	-	-	-		-	150.00
167.72	-	-	-	-		-	150.00
	170.00	-0.92	20.12	19.2	*	9.12	
173.20	-	-	-	-		-	150.00

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
240.00	-	-	-	-		-	200.00
	262.50	1.85	15.92	17.77	*	7.74	
285.00	-	-	-				200.00
322.80	-	-	-				200.00
	330.00	1.78	18.72	20.5	*	10.59	
335.40	-	-	-				200.00
399.90	-	-	-				200.00
	405.00	0.13	20.86	20.99	*	11.21	
410.00	-	-	-				200.00
608.00	-	-	-				200.00
	611.00	-0.07	25.89	25.82	*	19.54	
614.00	-	-	-				200.00
960.00	-	-	-				500.00
	975.00	0.78	32.84	33.62	*	47.97	
1240.00	-	-	-			-	500.00
1300.00	-	-	-			-	500.00
	1350.00	32.64	-9.32	23.29	*	15.70	
1427.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
1435.00	-	-	-	-		-	500.00
	1500.00	32.35	-9.49	22.86	*	13.90	
1646.50	-	-	-	-		-	500.00
1660.00	-	-	-	-		-	500.00
	1680.00	32.08	-8.60	23.48	*	14.93	
1710.00	-	-	-	-		-	500.00
1718.80	-	-	-	-		-	500.00
	1720.00	32.00	-8.60	23.4	*	14.79	
1722.20	-	-	-	-		-	500.00
2200.00	-	-	-	-		-	500.00
	2250.00	31.65	-6.40	25.25	*	18.30	
2300.00	-	-	-	-		-	500.00
2310.00	-	-	-	-		-	500.00
	2350.00	31.67	-5.63	26.04	*	20.04	
2390.00	-	-	-	-		-	500.00
2483.50	-	-	-	-		-	500.00
	2491.75	31.48	-5.48	26	*	19.95	
2500.00	-	-	-	-		-	500.00

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum.  
 \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 4 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
2690.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	2750.00	31.49	-5.01	26.48	*	21.09	
	-	-	-	-		-	
2900.00	-	-	-	-		-	500.00
3260.00	-	-	-	-		-	500.00
	3263.00	31.35	-2.85	28.5	*	26.61	
3267.00	-	-	-	-		-	500.00
3332.00	-	-	-	-		-	500.00
	3336.00	31.34	-2.85	28.49	*	26.58	
3339.00	-	-	-	-		-	500.00
3345.00	-	-	-	-		-	500.00
	3350.00	31.35	-2.53	28.82	*	27.61	
3358.00	-	-	-	-		-	500.00
3600.00	-	-	-	-		-	500.00
	-	-	-	-		-	
	3700.00	30.91	-1.6	29.31	*	29.21	
	-	-	-	-		-	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 5 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m		Converted Reading uV/m	Limit at 3M uV/m
	-	-	-	-		-	
4400.00	-	-	-	-		-	500.00
4500.00	-	-	-	-		-	500.00
	4825.00	30.54	-0.05	30.49	*	33.46	
5150.00	-	-	-	-		-	500.00
5350.00	-	-	-	-		-	500.00
	5400.00	30.36	1.78	32.14	*	40.46	
5460.00	-	-	-	-		-	500.00
7250.00	-	-	-	-		-	500.00
	7440.00	30.85	4.18	35.03	*	56.43	
7750.00	-	-	-	-		-	500.00
8025.00	-	-	-	-		-	500.00
	8300.00	31.57	4.84	36.41	*	66.15	
8500.00	-	-	-	-		-	500.00
9000.00	-	-	-	-		-	500.00
	9100.00	31.62	5.34	36.96	*	70.47	
9200.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Lord Corporation	
<b>Job Number</b>	R-6339N-1	
<b>Test Sample</b>	Wireless Analog Input Node with SWLP.2450.12.4.B.02 antenna	
<b>Model Number</b>	SG-Link-200-OEM	
<b>Serial Number</b>	6308-4201-00002	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting modulated (LXRS, LXRS+) signal at 2.405 GHz, 2.440 GHz, 2.480 GHz	
<b>Technician</b>	M. Hippert	
<b>Date</b>	July 18 & 20, 2018	

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

### TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
9300.00	-	-	-	-		-	500.00
	9400.00	31.63	5.58	37.21	*	72.53	
9500.00	-	-	-	-		-	500.00
10600.00	-	-	-	-		-	500.00
	12200.00	31.24	9.32	40.56	*	106.66	
12700.00	-	-	-	-		-	500.00
13250.00	-	-	-	-		-	500.00
	15800.00	32.48	6.51	38.99	*	89.02	
16200.00	-	-	-	-		-	500.00
17700.00	-	-	-	-		-	500.00
	19240.00	31.73	-4.11	27.62	*	24.04	
21400.00	-	-	-	-		-	500.00
22010.00	-	-	-	-		-	500.00
	22320.00	33.64	-4.3	29.34	*	29.31	
23120.00	-	-	-	-		-	500.00
23600.00	-	-	-	-		-	500.00
	23800.00	34.36	-3.35	31.01	*	35.52	
24000.00	-	-	-	-		-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

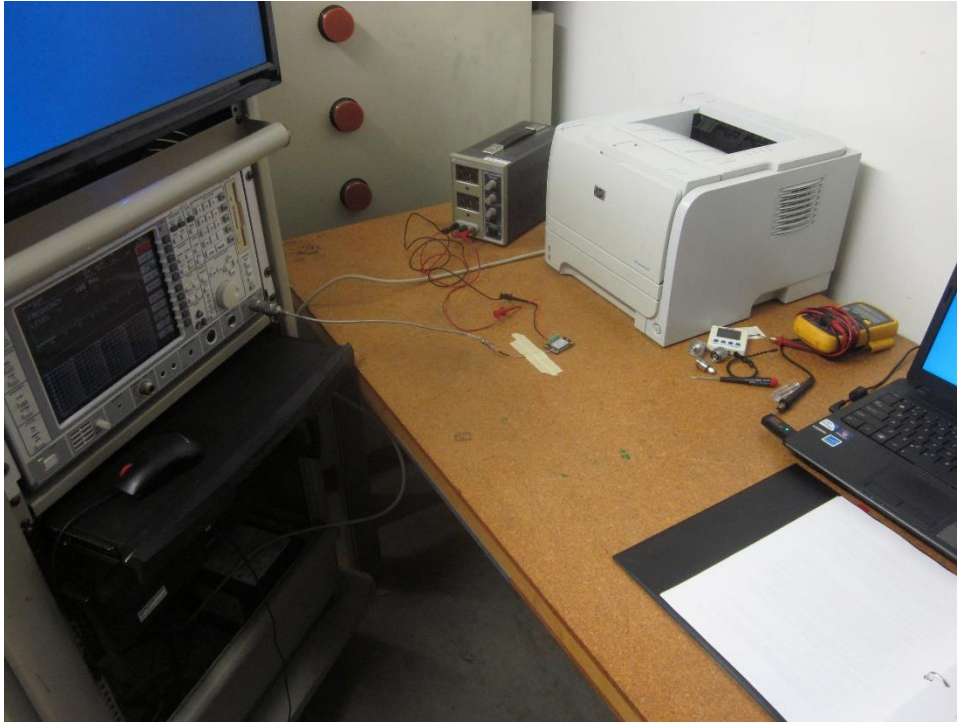
Data Sheet 7 of 7



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Test Photographs  
Power Density**



Test Configuration



**Retlif Testing Laboratories**

Report No. R-6339N-1

**FCC Section 15.247(e)  
Power Density  
Test Data**

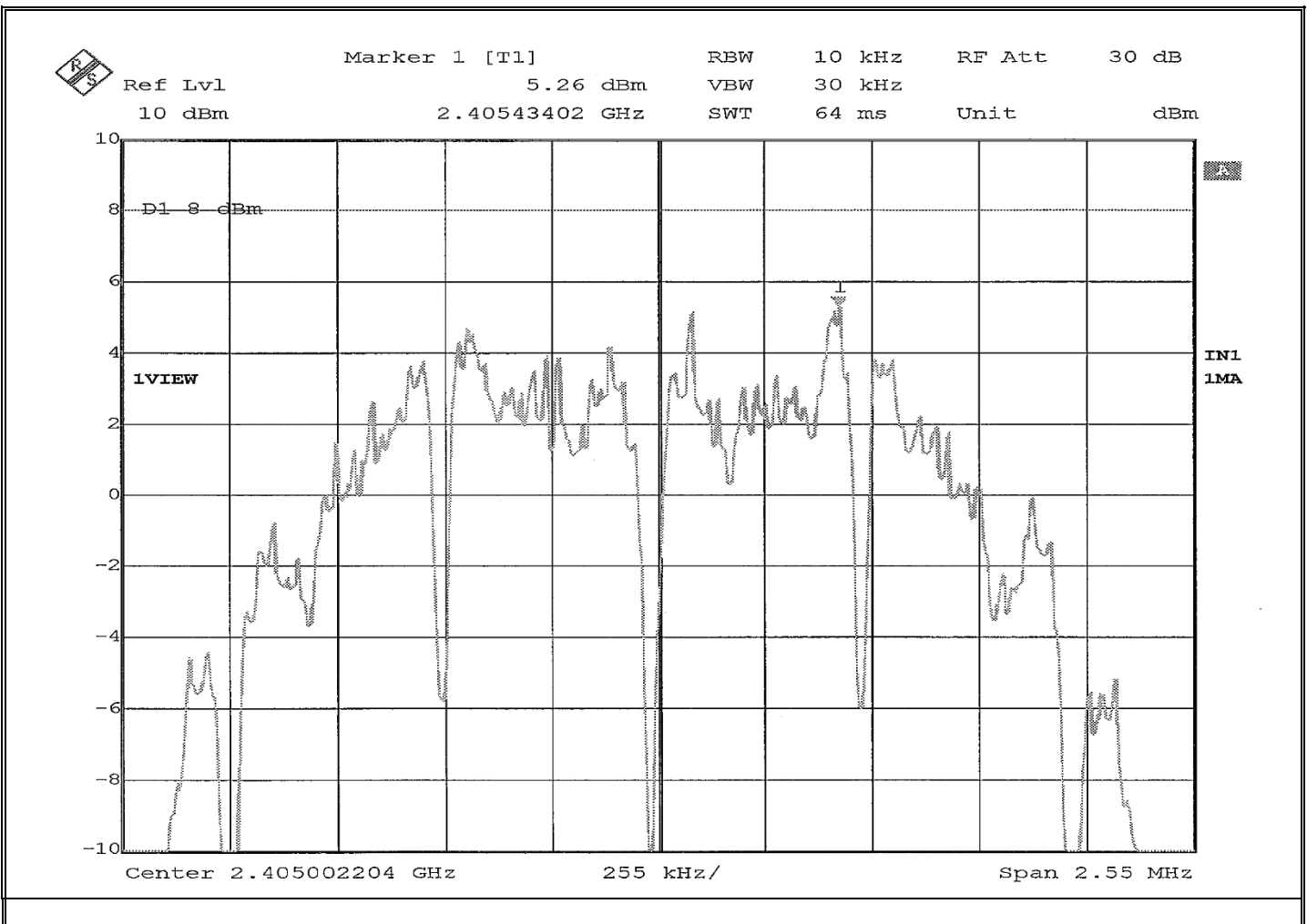


**Retlif Testing Laboratories**

Report No. R-6339N-1

## EMISSIONS TEST DATA SHEET

<b>Method:</b>	<b>Power Spectral Density</b>
<b>Test Specification:</b>	FCC Part 15, Subpart C Paragraph: 15.247 (e)
<b>Job Number:</b>	R-6339N-1
<b>Customer:</b>	Lord Corporation
<b>Test Sample:</b>	Wireless Analog Input Node
<b>Model Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS) signal at 2.405 GHz
<b>Technician:</b>	M.Seamans
<b>Date(s):</b>	June 19 <sup>th</sup> , 2018
<b>Temp/ Relative Humidity:</b>	24.8 °C / 53.7 %
<b>Notes:</b>	KDB Method: 10.2 Power Spectral Density: 5.26 dBm

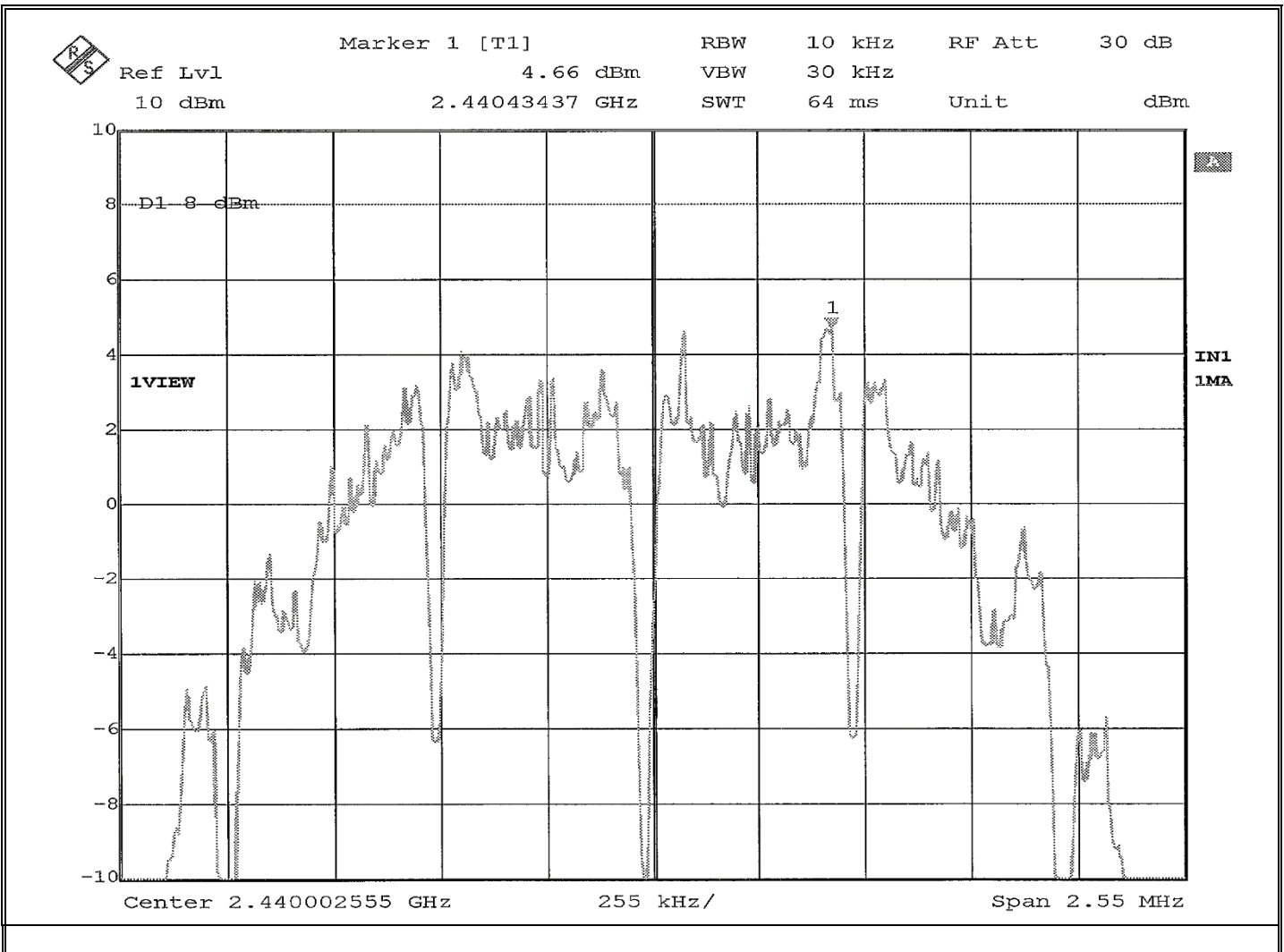


**Retlif Testing Laboratories**

Report No. R-6339N-1

## EMISSIONS TEST DATA SHEET

<b>Method:</b>	<b>Power Spectral Density</b>
<b>Test Specification:</b>	FCC Part 15, Subpart C Paragraph: 15.247 (e)
<b>Job Number:</b>	R-6339N-1
<b>Customer:</b>	Lord Corporation
<b>Test Sample:</b>	Wireless Analog Input Node
<b>Model Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS) signal at 2.440 GHz
<b>Technician:</b>	M.Seamans
<b>Date(s):</b>	June 19 <sup>th</sup> , 2018
<b>Temp/ Relative Humidity:</b>	24.8 °C / 53.7 %
<b>Notes:</b>	KDB Method: 10.2 Power Spectral Density: 4.66 dBm

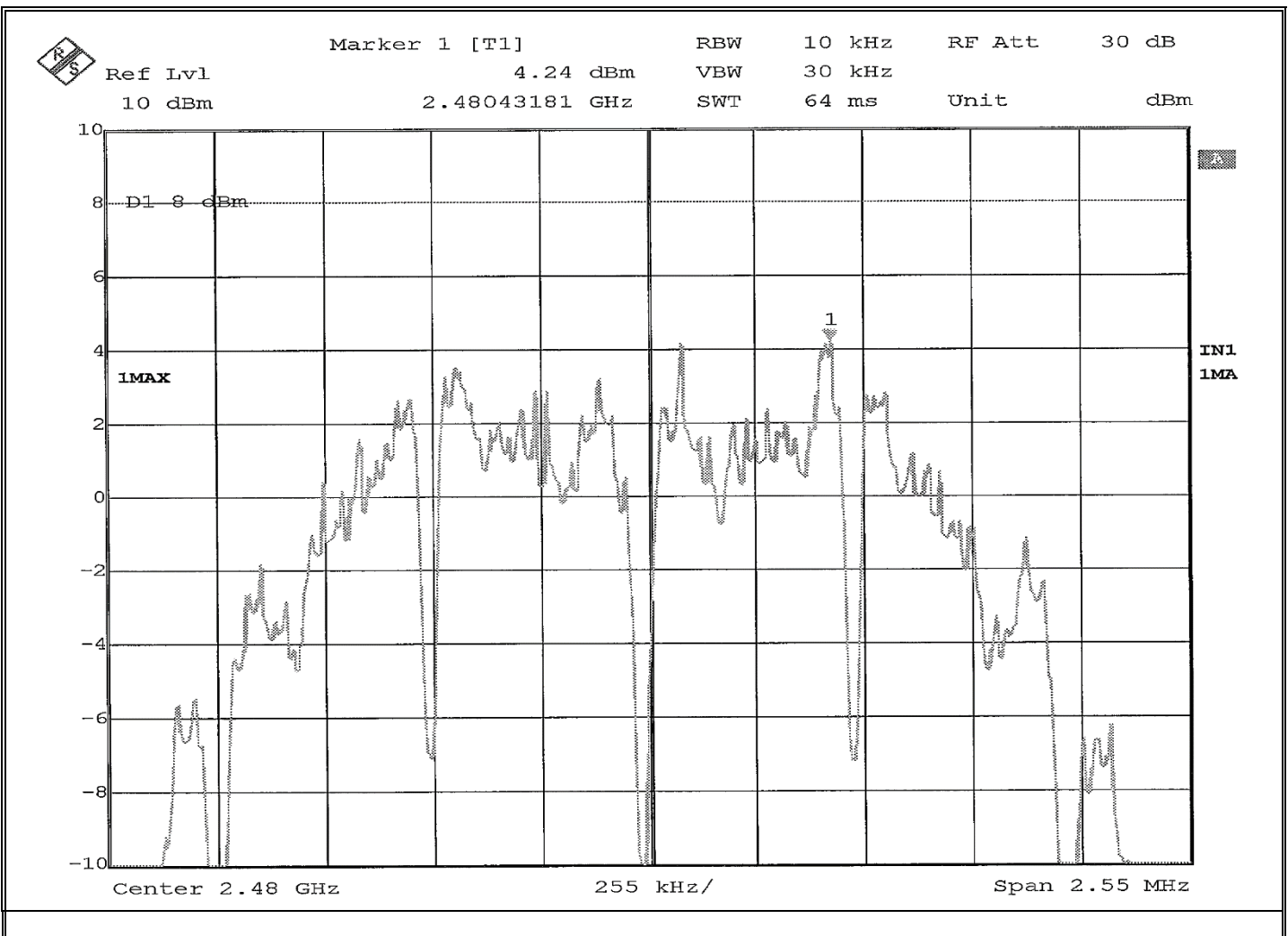


**Retlif Testing Laboratories**

Report No. R-6339N-1

## EMISSIONS TEST DATA SHEET

<b>Method:</b>	<b>Power Spectral Density</b>
<b>Test Specification:</b>	FCC Part 15, Subpart C Paragraph: 15.247 (e)
<b>Job Number:</b>	R-6339N-1
<b>Customer:</b>	Lord Corporation
<b>Test Sample:</b>	Wireless Analog Input Node
<b>Model Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS) signal at 2.480 GHz
<b>Technician:</b>	M.Seamans
<b>Date(s):</b>	June 19 <sup>th</sup> , 2018
<b>Temp/ Relative Humidity:</b>	24.8 °C / 53.7 %
<b>Notes:</b>	KDB Method: 10.2 Power Spectral Density: 4.24 dBm



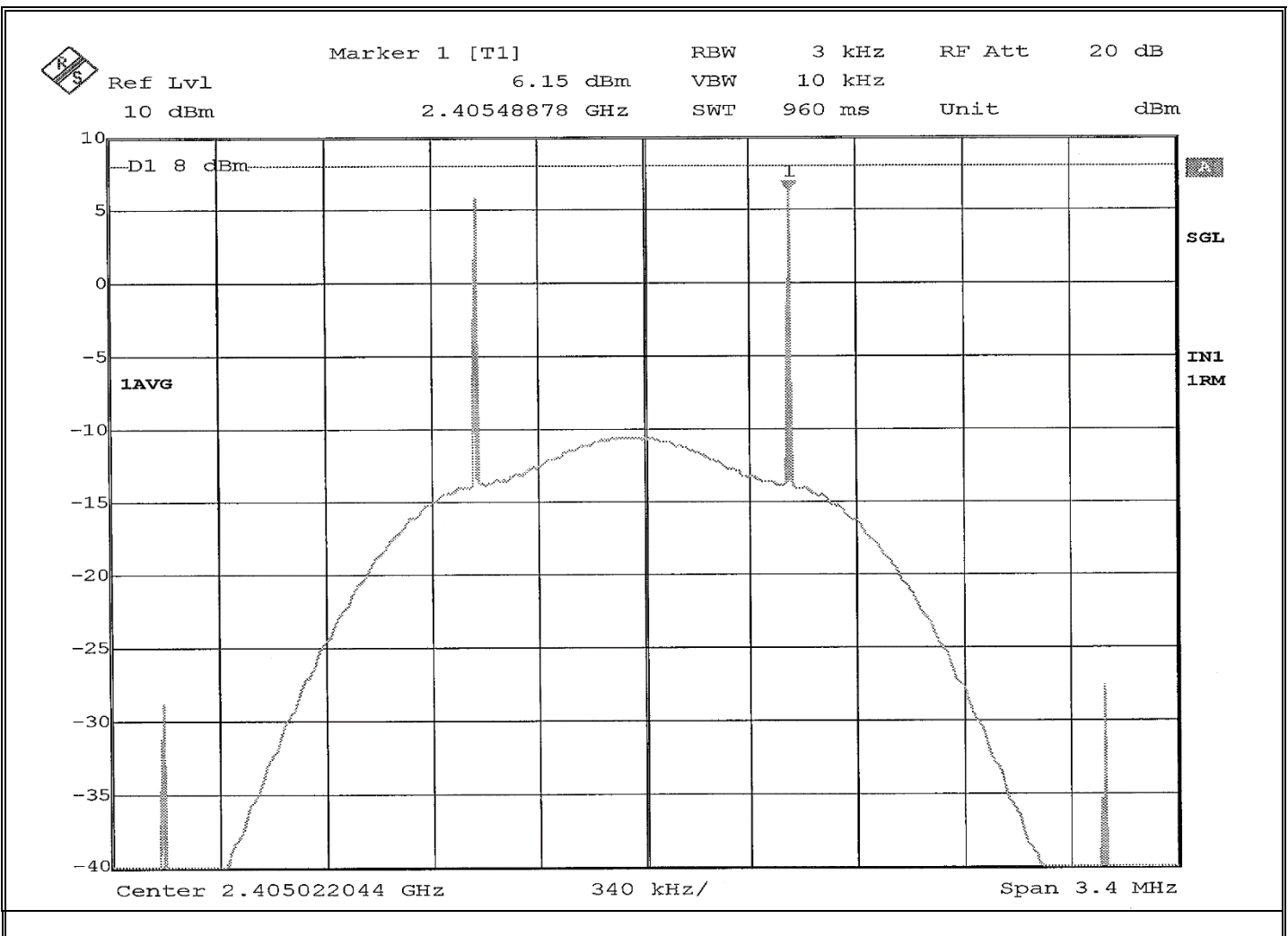
**Retlif Testing Laboratories**

Report No. R-6339N-1



## EMISSIONS TEST DATA SHEET

<b>Method:</b>	<b>Power Spectral Density</b>
<b>Test Specification:</b>	FCC Part 15, Subpart C Paragraph: 15.247 (e)
<b>Job Number:</b>	R-6339N-1
<b>Customer:</b>	Lord Corporation
<b>Test Sample:</b>	Wireless Analog Input Node
<b>Model Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS+) signal at 2.405 GHz
<b>Technician:</b>	M.Seamans
<b>Date(s):</b>	June 19 <sup>th</sup> , 2018
<b>Temp/ Relative Humidity:</b>	24.8 °C / 53.7 %
<b>Notes:</b>	KDB Method: 10.3 Power Spectral Density: 6.15 dBm

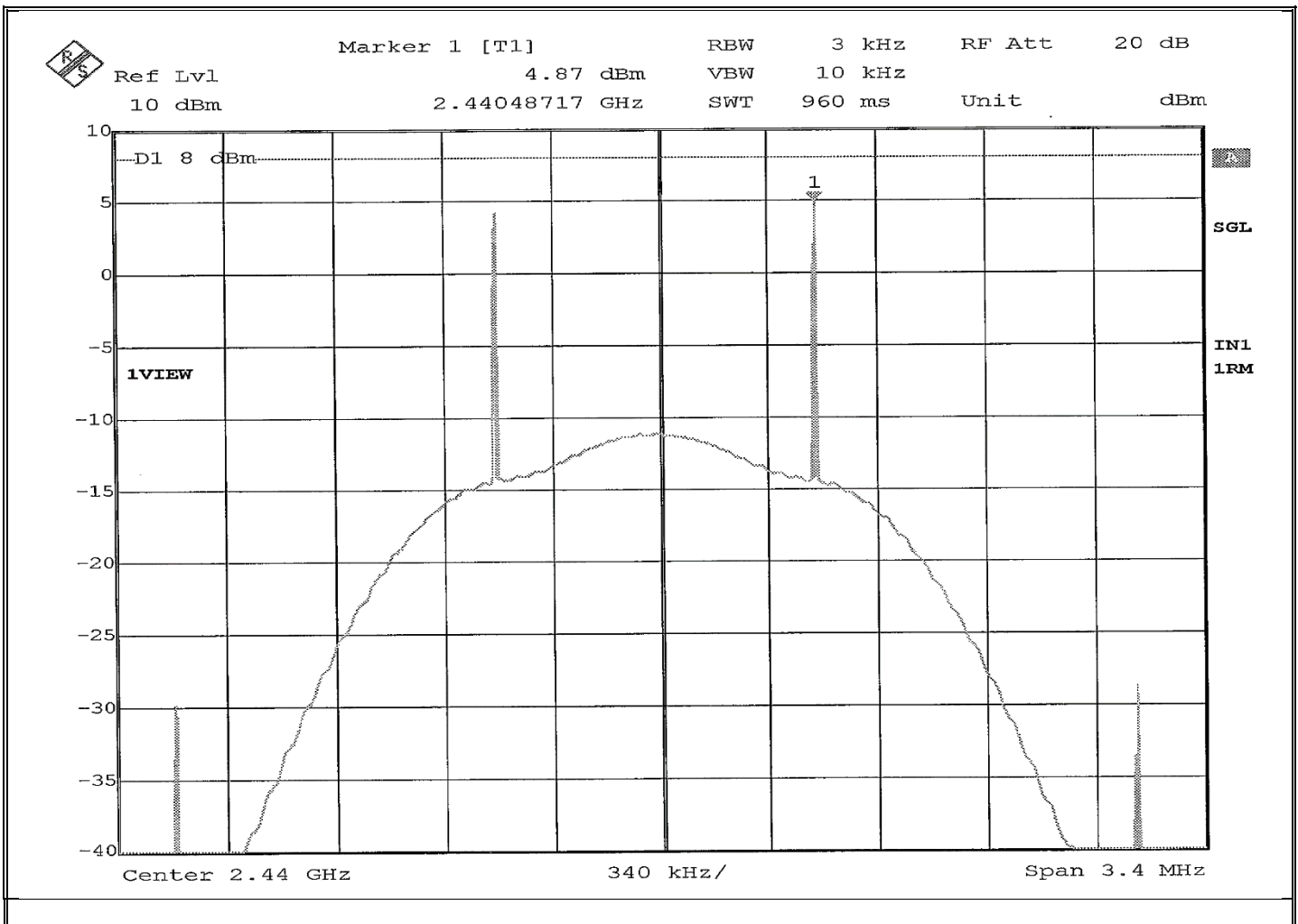


**Retlif Testing Laboratories**

Report No. R-6339N-1

## EMISSIONS TEST DATA SHEET

<b>Method:</b>	<b>Power Spectral Density</b>
<b>Test Specification:</b>	FCC Part 15, Subpart C Paragraph: 15.247 (e)
<b>Job Number:</b>	R-6339N-1
<b>Customer:</b>	Lord Corporation
<b>Test Sample:</b>	Wireless Analog Input Node
<b>Model Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS+) signal at 2.440 GHz
<b>Technician:</b>	M.Seamans
<b>Date(s):</b>	June 19 <sup>th</sup> , 2018
<b>Temp/ Relative Humidity:</b>	24.8 °C / 53.7 %
<b>Notes:</b>	KDB Method: 10.3 Power Spectral Density: 4.87 dBm

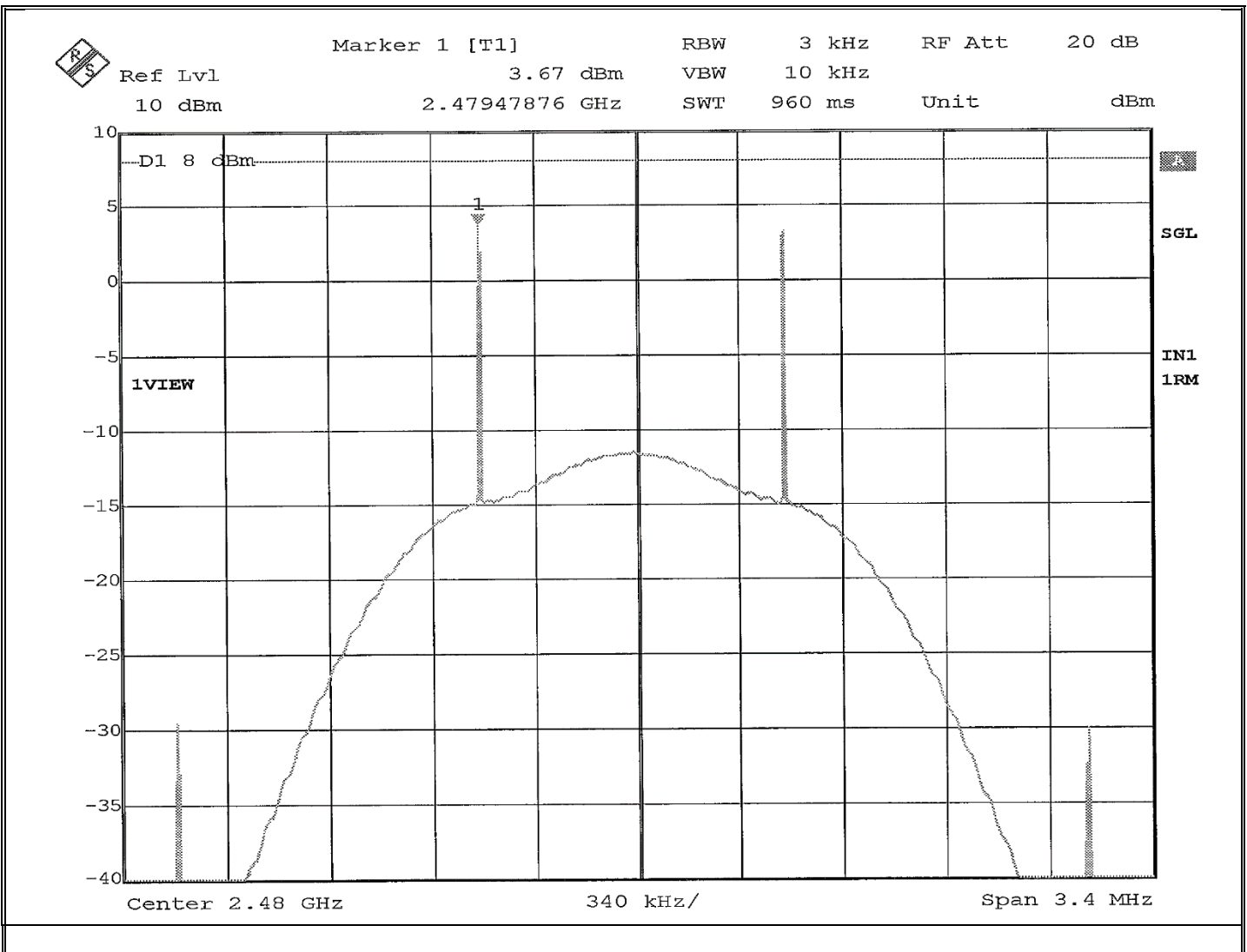


**Retlif Testing Laboratories**

Report No. R-6339N-1

## EMISSIONS TEST DATA SHEET

<b>Method:</b>	<b>Power Spectral Density</b>
<b>Test Specification:</b>	FCC Part 15, Subpart C Paragraph: 15.247 (e)
<b>Job Number:</b>	R-6339N-1
<b>Customer:</b>	Lord Corporation
<b>Test Sample:</b>	Wireless Analog Input Node
<b>Model Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS+) signal at 2.480 GHz
<b>Technician:</b>	M.Seamans
<b>Date(s):</b>	June 19 <sup>th</sup> , 2018
<b>Temp/ Relative Humidity:</b>	24.8 °C / 53.7 %
<b>Notes:</b>	KDB Method: 10.3 Power Spectral Density: 3.67 dBm



**Retlif Testing Laboratories**

Report No. R-6339N-1

**Test Photographs  
AC Conducted Emissions**



Test Setup



**Retlif Testing Laboratories**

Report No. R-6339N-1

**FCC Section 15.207(a)  
AC Conducted Emissions  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6339N-1

## EMISSIONS TEST DATA SHEET

<b>Test Specification:</b>	FCC Part 15, Subpart B, Section 15.207(a), Conducted Emissions
<b>Method:</b>	ANSI C63.4, Section 7., AC power-line conducted emission measurements
<b>Job Number/Customer:</b>	R-6339N-1
<b>Test Sample:</b>	Lord Corporation
<b>Model Number:</b>	Wireless Analog Input Node
<b>Part Number:</b>	SG-Link-200-OEM
<b>Serial Number:</b>	6308-4201-00002
<b>Operating Mode:</b>	Transmitting modulated (LXRS) signal at 2.405 GHz
<b>Technician:</b>	T. Hannemann
<b>Date(s):</b>	September 21, 2018
<b>Temperature:</b>	21.0 °C
<b>Relative Humidity:</b>	34.9 %
<b>Port Tested:</b>	120 VAC 60 Hz of Representative AC-DC Adapter

Frequency	Lead Tested	Peak Meter Reading			Quasi-Peak Limit	Average Limit
MHz		dBuV			dBuV	dBuV
0.158	Hot	46.54			65.56	55.56
0.158	Neutral	45.70			65.56	55.56
0.437	Hot	37.33			57.10	47.10
0.437	Neutral	36.21			57.10	47.10
1.78	Hot	23.61			56	46
1.78	Neutral	24.61			56	46
5.0	Hot	17.81			56	46
5.0	Neutral	17.82			56	46
10.0	Hot	18.87			60	50
10.0	Neutral	18.87			60	50
30.0	Hot	17.86			60	50
30.0	Neutral	17.86			60	50

The frequency range was scanned from 0.15 MHz to 30 MHz.  
 The six highest emissions relative to the limit are presented.  
 The emissions observed from the EUT do not exceed the specified limits.



**Retlif Testing Laboratories**

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