

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.247

Linx Technologies
900 MHz FHSS RF Module
Model: TRM-900-TT
ANT-916-CHP Antenna

Date: 12/07/2012
Lab: B
Tested By: Kyle Fujimoto

Low Channel**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1805.24	59.31	V	74	-14.69	Peak	1.25	0	
1805.24	39.31	V	54	-14.69	Avg	1.25	0	
2707.86	49.18	V	74	-24.82	Peak	1.5	135	
2707.86	29.18	V	54	-24.82	Avg	1.5	135	
3610.48	35.06	V	74	-38.94	Peak	1.25	135	
3610.48	15.06	V	54	-38.94	Avg	1.25	135	
4513.1								No Emissions Detected
4513.1								
5415.72								No Emissions Detected
5415.72								
6318.34								No Emissions Detected
6318.34								
7220.96								No Emissions Detected
7220.96								
8123.58								No Emissions Detected
8123.58								
9026.2								No Emissions Detected
9026.2								

FCC 15.247

Linx Technologies
900 MHz FHSS RF Module
Model: TRM-900-TT
ANT-916-CHP Antenna

Date: 12/07/2012
Lab: B
Tested By: Kyle Fujimoto

Low Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1805.24	57.83	V	74	-16.17	Peak	2.25	315	
1805.24	37.83	V	54	-16.17	Avg	2.25	315	
2707.86	45.64	V	74	-28.36	Peak	2.25	135	
2707.86	25.64	V	54	-28.36	Avg	2.25	135	
3610.48	36.45	V	74	-37.55	Peak	1.25	155	
3610.48	16.45	V	54	-37.55	Avg	1.25	155	
4513.1								No Emissions Detected
4513.1								
5415.72								No Emissions Detected
5415.72								
6318.34								No Emissions Detected
6318.34								
7220.96								No Emissions Detected
7220.96								
8123.58								No Emissions Detected
8123.58								
9026.2								No Emissions Detected
9026.2								

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Linx Technologies
900 MHz FHSS RF Module
Model: TRM-900-TT
ANT-916-CHP Antenna

Date: 12/07/2012
Lab: B
Tested By: Kyle Fujimoto

Low Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBUV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1805.24	59.56	V	74	-14.44	Peak	1.25	0	
1805.24	39.56	V	54	-14.44	Avg	1.25	0	
2707.86	45.62	V	74	-28.38	Peak	1.35	125	
2707.86	25.62	V	54	-28.38	Avg	1.35	125	
3610.48	38.11	V	74	-35.89	Peak	1.35	155	
3610.48	18.11	V	54	-35.89	Avg	1.35	155	
4513.1								No Emissions Detected
4513.1								
5415.72								No Emissions Detected
5415.72								
6318.34								No Emissions Detected
6318.34								
7220.96								No Emissions Detected
7220.96								
8123.58								No Emissions Detected
8123.58								
9026.2								No Emissions Detected
9026.2								

FCC 15.247

Linx Technologies
900 MHz FHSS RF Module
Model: TRM-900-TT
ANT-916-CHP Antenna

Date: 12/07/2012

Lab: B

Tested By: Kyle Fujimoto

Low Channel**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1805.24	57.72	H	74	-16.28	Peak	1.25	155	
1805.24	37.72	H	54	-16.28	Avg	1.25	155	
2707.86	46.65	H	74	-27.35	Peak	1.35	155	
2707.86	26.65	H	54	-27.35	Avg	1.35	155	
3610.48	39.03	H	74	-34.97	Peak	1.25	165	
3610.48	19.03	H	54	-34.97	Avg	1.25	165	
4513.1								No Emissions Detected
4513.1								
5415.72								No Emissions Detected
5415.72								
6318.34								No Emissions Detected
6318.34								
7220.96								No Emissions Detected
7220.96								
8123.58								No Emissions Detected
8123.58								
9026.2								No Emissions Detected
9026.2								

FCC 15.247

Linx Technologies
900 MHz FHSS RF Module
Model: TRM-900-TT
ANT-916-CHP Antenna

Date: 12/07/2012

Lab: B

Tested By: Kyle Fujimoto

Low Channel**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1805.24	56.23	H	74	-17.77	Peak	1.25	0	
1805.24	36.23	H	54	-17.77	Avg	1.25	0	
2707.86	44.48	H	74	-29.52	Peak	1.15	125	
2707.86	24.48	H	54	-29.52	Avg	1.15	125	
3610.48	39.32	H	74	-34.68	Peak	1.25	165	
3610.48	19.32	H	54	-34.68	Avg	1.25	165	
4513.1	50.81	H	74	-23.19	Peak	1.25	165	
4513.1	30.81	H	54	-23.19	Avg	1.25	165	
5415.72								No Emissions Detected
5415.72								
6318.34								No Emissions Detected
6318.34								
7220.96								No Emissions Detected
7220.96								
8123.58								No Emissions Detected
8123.58								
9026.2								No Emissions Detected
9026.2								

FCC 15.247

Linx Technologies
 900 MHz FHSS RF Module
 Model: TRM-900-TT
 ANT-916-CHP Antenna

Date: 12/07/2012
 Lab: B
 Tested By: Kyle Fujimoto

Low Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1805.24	56.11	H	74	-17.89	Peak	1.25	165	
1805.24	36.11	H	54	-17.89	Avg	1.25	165	
2707.86	45.54	H	74	-28.46	Peak	1.25	155	
2707.86	25.54	H	54	-28.46	Avg	1.25	155	
3610.48	38.04	H	74	-35.96	Peak	1.35	175	
3610.48	18.04	H	54	-35.96	Avg	1.35	175	
4513.1	50.22	H	74	-23.78	Peak	1.35	175	
4513.1	30.22	H	54	-23.78	Avg	1.35	175	
5415.72								No Emissions
5415.72								Detected
6318.34								No Emissions
6318.34								Detected
7220.96								No Emissions
7220.96								Detected
8123.58								No Emissions
8123.58								Detected
9026.2								No Emissions
9026.2								Detected

FCC 15.247

Linx Technologies
 900 MHz FHSS RF Module
 Model: TRM-900-TT
 ANT-916-CHP Antenna

Date: 12/07/2012
 Lab: B
 Tested By: Kyle Fujimoto

**Middle Channel
Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1817.24	59.21	V	74	-14.79	Peak	1.25	155	
1817.24	39.21	V	54	-14.79	Avg	1.25	155	
2725.86	45.59	V	74	-28.41	Peak	1.35	145	
2725.86	25.59	V	54	-28.41	Avg	1.35	145	
3634.48	38.35	V	74	-35.65	Peak	1.25	155	
3634.48	18.35	V	54	-35.65	Avg	1.25	155	
4543.1								No Emissions
4543.1								Detected
5451.72								No Emissions
5451.72								Detected
6360.34								No Emissions
6360.34								Detected
7268.96								No Emissions
7268.96								Detected
8177.58								No Emissions
8177.58								Detected
9086.2								No Emissions
9086.2								Detected

FCC 15.247

Linx Technologies
 900 MHz FHSS RF Module
 Model: TRM-900-TT
 ANT-916-CHP Antenna

Date: 12/07/2012
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1817.24	57.09	V	74	-16.91	Peak	1.5	225	
1817.24	37.09	V	54	-16.91	Avg	1.5	225	
2725.86	47.28	V	74	-26.72	Peak	1.45	135	
2725.86	27.28	V	54	-26.72	Avg	1.45	135	
3634.48	39.31	V	74	-34.69	Peak	1.3	250	
3634.48	19.31	V	54	-34.69	Avg	1.3	250	
4543.1	50.34	V	74	-23.66	Peak	1.3	250	
4543.1	30.34	V	54	-23.66	Avg	1.3	250	
5451.72								No Emissions
5451.72								Detected
6360.34								No Emissions
6360.34								Detected
7268.96								No Emissions
7268.96								Detected
8177.58								No Emissions
8177.58								Detected
9086.2								No Emissions
9086.2								Detected

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Linx Technologies
 900 MHz FHSS RF Module
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 ANT-916-CHP Antenna

Date: 12/07/2012
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Middle Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1817.24	57.62	V	74	-16.38	Peak	1.5	225	
1817.24	37.62	V	54	-16.38	Avg	1.5	225	
2725.86	45.04	V	74	-28.96	Peak	1.3	250	
2725.86	25.04	V	54	-28.96	Avg	1.3	250	
3634.48	38.31	V	74	-35.69	Peak	1.3	250	
3634.48	18.31	V	54	-35.69	Avg	1.3	250	
4543.1	52.01	V	74	-21.99	Peak	1.3	250	
4543.1	32.01	V	54	-21.99	Avg	1.3	250	
5451.72								No Emissions
5451.72								Detected
6360.34								No Emissions
6360.34								Detected
7268.96								No Emissions
7268.96								Detected
8177.58								No Emissions
8177.58								Detected
9086.2								No Emissions
9086.2								Detected

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Linx Technologies
 900 MHz FHSS RF Module
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 ANT-916-CHP Antenna

Date: 12/07/2012

Lab: B

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Middle Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1817.24	59.21	H	74	-14.79	Peak	2.5	45	
1817.24	39.21	H	54	-14.79	Avg	2.5	45	
2725.86	47.84	H	74	-26.16	Peak	1.3	250	
2725.86	27.84	H	54	-26.16	Avg	1.3	250	
3634.48	38.29	H	74	-35.71	Peak	1.3	250	
3634.48	18.29	H	54	-35.71	Avg	1.3	250	
4543.1	53.02	H	74	-20.98	Peak	2	135	
4543.1	33.02	H	54	-20.98	Avg	2	135	
5451.72								No Emissions
5451.72								Detected
6360.34								No Emissions
6360.34								Detected
7268.96								No Emissions
7268.96								Detected
8177.58								No Emissions
8177.58								Detected
9086.2								No Emissions
9086.2								Detected

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 900 MHz FHSS RF Module
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Date: 12/07/2012
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**Middle Channel
Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1817.24	56.31	H	74	-17.69	Peak	1.5	45	
1817.24	36.31	H	54	-17.69	Avg	1.5	45	
2725.86	44.14	H	74	-29.86	Peak	1.3	250	
2725.86	24.14	H	54	-29.86	Avg	1.3	250	
3634.48	36.24	H	74	-37.76	Peak	1.3	250	
3634.48	16.24	H	54	-37.76	Avg	1.3	250	
4543.1	53.02	H	74	-20.98	Peak	1.3	250	
4543.1	33.02	H	54	-20.98	Avg	1.3	250	
5451.72								No Emissions
5451.72								Detected
6360.34								No Emissions
6360.34								Detected
7268.96								No Emissions
7268.96								Detected
8177.58								No Emissions
8177.58								Detected
9086.2								No Emissions
9086.2								Detected

FCC 15.247

Linx Technologies
 900 MHz FHSS RF Module
 Model: TRM-900-TT
 ANT-916-CHP Antenna

Date: 12/07/2012
 Lab: B
 Tested By: Kyle Fujimoto

**Middle Channel
Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1817.24	55.74	H	74	-18.26	Peak	1.5	225	
1817.24	35.74	H	54	-18.26	Avg	1.5	225	
2725.86	50.34	H	74	-23.66	Peak	1.25	45	
2725.86	30.34	H	54	-23.66	Avg	1.25	45	
3634.48	37.64	H	74	-36.36	Peak	1.3	250	
3634.48	17.64	H	54	-36.36	Avg	1.3	250	
4543.1								No Emissions Detected
4543.1								
5451.72								No Emissions Detected
5451.72								
6360.34								No Emissions Detected
6360.34								
7268.96								No Emissions Detected
7268.96								
8177.58								No Emissions Detected
8177.58								
9086.2								No Emissions Detected
9086.2								

FCC 15.247

Linx Technologies
 900 MHz FHSS RF Module
 Model: TRM-900-TT
 ANT-916-CHP Antenna

Date: 12/07/2012

Lab: B

Tested By: Kyle Fujimoto

High Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	58.94	V	74	-15.06	Peak	1.25	180	
1829.24	38.94	V	54	-15.06	Avg	1.25	180	
2743.86	49.64	V	74	-24.36	Peak	1.3	250	
2743.86	29.64	V	54	-24.36	Avg	1.3	250	
3658.48	38.79	V	74	-35.21	Peak	1.3	250	
3658.48	18.79	V	54	-35.21	Avg	1.3	250	
4573.1	55.93	V	74	-18.07	Peak	1.3	250	
4573.1	35.93	V	54	-18.07	Avg	1.3	250	
5487.72								No Emissions Detected
5487.72								
6402.34								No Emissions Detected
6402.34								
7316.96								No Emissions Detected
7316.96								
8231.58								No Emissions Detected
8231.58								
9146.2								No Emissions Detected
9146.2								

FCC 15.247

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 900 MHz FHSS RF Module
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 ANT-916-CHP Antenna

Date: 12/07/2012
 Lab: B
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**High Channel
Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	57.28	V	74	-16.72	Peak	1.25	180	
1829.24	37.28	V	54	-16.72	Avg	1.25	180	
2743.86	45.09	V	74	-28.91	Peak	1.3	250	
2743.86	25.09	V	54	-28.91	Avg	1.3	250	
3658.48	37.11	V	74	-36.89	Peak	1.3	250	
3658.48	17.11	V	54	-36.89	Avg	1.3	250	
4573.1	50.88	V	74	-23.12	Peak	1.3	250	
4573.1	30.88	V	54	-23.12	Avg	1.3	250	
5487.72								No Emissions
5487.72								Detected
6402.34								No Emissions
6402.34								Detected
7316.96								No Emissions
7316.96								Detected
8231.58								No Emissions
8231.58								Detected
9146.2								No Emissions
9146.2								Detected

FCC 15.247

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900 MHz FHSS RF Module
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**High Channel
Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	60.12	V	74	-13.88	Peak	1.25	315	
1829.24	40.12	V	54	-13.88	Avg	1.25	315	
2743.86	47.26	V	74	-26.74	Peak	1.3	250	
2743.86	27.26	V	54	-26.74	Avg	1.3	250	
3658.48	38.77	V	74	-35.23	Peak	1.3	250	
3658.48	18.77	V	54	-35.23	Avg	1.3	250	
4573.1								No Emissions Detected
4573.1								
5487.72								No Emissions Detected
5487.72								
6402.34								No Emissions Detected
6402.34								
7316.96								No Emissions Detected
7316.96								
8231.58								No Emissions Detected
8231.58								
9146.2								No Emissions Detected
9146.2								

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Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	59.27	H	74	-14.73	Peak	1.25	180	
1829.24	39.27	H	54	-14.73	Avg	1.25	180	
2743.86	47.51	H	74	-26.49	Peak	1.85	315	
2743.86	27.51	H	54	-26.49	Avg	1.85	315	
3658.48	40.72	H	74	-33.28	Peak	1.25	165	
3658.48	20.72	H	54	-33.28	Avg	1.25	165	
4573.1	50.36	H	74	-23.64	Peak	1.25	165	
4573.1	30.36	H	54	-23.64	Avg	1.25	165	
5487.72								No Emissions
5487.72								Detected
6402.34								No Emissions
6402.34								Detected
7316.96								No Emissions
7316.96								Detected
8231.58								No Emissions
8231.58								Detected
9146.2								No Emissions
9146.2								Detected

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900 MHz FHSS RF Module
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**High Channel
Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	59.07	H	74	-14.93	Peak	1.25	180	
1829.24	39.07	H	54	-14.93	Avg	1.25	180	
2743.86	44.51	H	74	-29.49	Peak	1.3	250	
2743.86	24.51	H	54	-29.49	Avg	1.3	250	
3658.48	38.06	H	74	-35.94	Peak	1.3	250	
3658.48	18.06	H	54	-35.94	Avg	1.3	250	
4573.1								No Emissions Detected
4573.1								
5487.72								No Emissions Detected
5487.72								
6402.34								No Emissions Detected
6402.34								
7316.96								No Emissions Detected
7316.96								
8231.58								No Emissions Detected
8231.58								
9146.2								No Emissions Detected
9146.2								

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**High Channel
Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	57.02	H	74	-16.98	Peak	1.4	90	
1829.24	37.02	H	54	-16.98	Avg	1.4	90	
2743.86	48.21	H	74	-25.79	Peak	1.3	250	
2743.86	28.21	H	54	-25.79	Avg	1.3	250	
3658.48	34.31	H	74	-39.69	Peak	1.3	250	
3658.48	14.31	H	54	-39.69	Avg	1.3	250	
4573.1	55.47	H	74	-18.53	Peak	1.3	250	
4573.1	35.47	H	54	-18.53	Avg	1.3	250	
5487.72								No Emissions Detected
5487.72								
6402.34								No Emissions Detected
6402.34								
7316.96								No Emissions Detected
7316.96								
8231.58								No Emissions Detected
8231.58								
9146.2								No Emissions Detected
9146.2								