

FCC 15.247

Linx Technologies
900 MHz FHSS RF Module
Model: TRM-900-TT
ANT-916-SP 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	51.31	V	74	-22.69	Peak	1.25	0	
1805.24	31.31	V	54	-22.69	Avg	1.25	0	
2707.86	50.04	V	74	-23.96	Peak	1.5	135	
2707.86	30.04	V	54	-23.96	Avg	1.5	135	
3610.48	37.16	V	74	-36.84	Peak	1.25	135	
3610.48	17.16	V	54	-36.84	Avg	1.25	135	
4513.1	51.35	V	74	-22.65	Peak	1.25	135	
4513.1	31.35	V	54	-22.65	Avg	1.25	135	
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

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

Date: 12/07/2012
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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	50.22	V	74	-23.78	Peak	2.25	315	
1805.24	30.22	V	54	-23.78	Avg	2.25	315	
2707.86	49.93	V	74	-24.07	Peak	2.25	135	
2707.86	29.93	V	54	-24.07	Avg	2.25	135	
3610.48	40.81	V	74	-33.19	Peak	1.25	155	
3610.48	20.81	V	54	-33.19	Avg	1.25	155	
4513.1	47.29	V	74	-26.71	Peak	1.25	135	
4513.1	27.29	V	54	-26.71	Avg	1.25	135	
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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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	48.08	V	74	-25.92	Peak	1.25	0	
1805.24	28.08	V	54	-25.92	Avg	1.25	0	
2707.86	51.99	V	74	-22.01	Peak	1.35	125	
2707.86	31.99	V	54	-22.01	Avg	1.35	125	
3610.48	41.61	V	74	-32.39	Peak	1.35	155	
3610.48	21.61	V	54	-32.39	Avg	1.35	155	
4513.1	47.54	V	74	-26.46	Peak	1.25	135	
4513.1	27.54	V	54	-26.46	Avg	1.25	135	
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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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	54.55	H	74	-19.45	Peak	1.25	155	
1805.24	34.55	H	54	-19.45	Avg	1.25	155	
2707.86	51.06	H	74	-22.94	Peak	1.35	155	
2707.86	31.06	H	54	-22.94	Avg	1.35	155	
3610.48	38.09	H	74	-35.91	Peak	1.25	165	
3610.48	18.09	H	54	-35.91	Avg	1.25	165	
4513.1	53.42	H	74	-20.58	Peak	1.25	135	
4513.1	33.42	H	54	-20.58	Avg	1.25	135	
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

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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	54.55	H	74	-19.45	Peak	1.25	0	
1805.24	34.55	H	54	-19.45	Avg	1.25	0	
2707.86	53.23	H	74	-20.77	Peak	1.15	125	
2707.86	33.23	H	54	-20.77	Avg	1.15	125	
3610.48	40.71	H	74	-33.29	Peak	1.25	165	
3610.48	20.71	H	54	-33.29	Avg	1.25	165	
4513.1	52.06	H	74	-21.94	Peak	1.25	135	
4513.1	32.06	H	54	-21.94	Avg	1.25	135	
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-SP Antenna

Date: 12/07/2012
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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	47.74	H	74	-26.26	Peak	1.25	165	
1805.24	27.74	H	54	-26.26	Avg	1.25	165	
2707.86	53.35	H	74	-20.65	Peak	1.25	155	
2707.86	33.35	H	54	-20.65	Avg	1.25	155	
3610.48	41.97	H	74	-32.03	Peak	1.35	175	
3610.48	21.97	H	54	-32.03	Avg	1.35	175	
4513.1	50.16	H	74	-23.84	Peak	1.25	135	
4513.1	30.16	H	54	-23.84	Avg	1.25	135	
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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 900 MHz FHSS RF Module
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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	49.19	V	74	-24.81	Peak	1.25	155	
1817.24	29.19	V	54	-24.81	Avg	1.25	155	
2725.86	50.22	V	74	-23.78	Peak	1.35	145	
2725.86	30.22	V	54	-23.78	Avg	1.35	145	
3634.48	41.21	V	74	-32.79	Peak	1.25	155	
3634.48	21.21	V	54	-32.79	Avg	1.25	155	
4543.1	50.89	V	74	-23.11	Peak	1.25	135	
4543.1	30.89	V	54	-23.11	Avg	1.25	135	
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								

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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	51.04	V	74	-22.96	Peak	1.5	225	
1817.24	31.04	V	54	-22.96	Avg	1.5	225	
2725.86	54.15	V	74	-19.85	Peak	1.45	135	
2725.86	34.15	V	54	-19.85	Avg	1.45	135	
3634.48	40.93	V	74	-33.07	Peak	1.3	250	
3634.48	20.93	V	54	-33.07	Avg	1.3	250	
4543.1	48.81	V	74	-25.19	Peak	1.25	135	
4543.1	28.81	V	54	-25.19	Avg	1.25	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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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	44.22	V	74	-29.78	Peak	1.5	225	
1817.24	24.22	V	54	-29.78	Avg	1.5	225	
2725.86	51.17	V	74	-22.83	Peak	1.3	250	
2725.86	31.17	V	54	-22.83	Avg	1.3	250	
3634.48	43.62	V	74	-30.38	Peak	1.3	250	
3634.48	23.62	V	54	-30.38	Avg	1.3	250	
4543.1	50.01	V	74	-23.99	Peak	1.25	135	
4543.1	30.01	V	54	-23.99	Avg	1.25	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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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	57.85	H	74	-16.15	Peak	2.5	45	
1817.24	37.85	H	54	-16.15	Avg	2.5	45	
2725.86	48.07	H	74	-25.93	Peak	1.3	250	
2725.86	28.07	H	54	-25.93	Avg	1.3	250	
3634.48	42.12	H	74	-31.88	Peak	1.3	250	
3634.48	22.12	H	54	-31.88	Avg	1.3	250	
4543.1	50.41	H	74	-23.59	Peak	1.25	135	
4543.1	30.41	H	54	-23.59	Avg	1.25	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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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	49.95	H	74	-24.05	Peak	1.5	45	
1817.24	29.95	H	54	-24.05	Avg	1.5	45	
2725.86	55.01	H	74	-18.99	Peak	1.3	250	
2725.86	35.01	H	54	-18.99	Avg	1.3	250	
3634.48	41.41	H	74	-32.59	Peak	1.3	250	
3634.48	21.41	H	54	-32.59	Avg	1.3	250	
4543.1	49.43	H	74	-24.57	Peak	1.25	135	
4543.1	29.43	H	54	-24.57	Avg	1.25	135	
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								

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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	42.22	H	74	-31.78	Peak	1.5	225	
1817.24	22.22	H	54	-31.78	Avg	1.5	225	
2725.86	51.58	H	74	-22.42	Peak	1.25	45	
2725.86	31.58	H	54	-22.42	Avg	1.25	45	
3634.48	40.74	H	74	-33.26	Peak	1.3	250	
3634.48	20.74	H	54	-33.26	Avg	1.3	250	
4543.1	50.01	H	74	-23.99	Peak	1.25	135	
4543.1	30.01	H	54	-23.99	Avg	1.25	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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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	47.24	V	74	-26.76	Peak	1.25	180	
1829.24	27.24	V	54	-26.76	Avg	1.25	180	
2743.86	49.31	V	74	-24.69	Peak	1.3	250	
2743.86	29.31	V	54	-24.69	Avg	1.3	250	
3658.48	39.42	V	74	-34.58	Peak	1.3	250	
3658.48	19.42	V	54	-34.58	Avg	1.3	250	
4573.1	49.08	V	74	-24.92	Peak	1.25	135	
4573.1	29.08	V	54	-24.92	Avg	1.25	135	
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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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	53.69	V	74	-20.31	Peak	1.25	180	
1829.24	33.69	V	54	-20.31	Avg	1.25	180	
2743.86	51.73	V	74	-22.27	Peak	1.3	250	
2743.86	31.73	V	54	-22.27	Avg	1.3	250	
3658.48	41.31	V	74	-32.69	Peak	1.3	250	
3658.48	21.31	V	54	-32.69	Avg	1.3	250	
4573.1	45.25	V	74	-28.75	Peak	1.25	135	
4573.1	25.25	V	54	-28.75	Avg	1.25	135	
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	46.91	V	74	-27.09	Peak	1.25	315	
1829.24	26.91	V	54	-27.09	Avg	1.25	315	
2743.86	49.36	V	74	-24.64	Peak	1.3	250	
2743.86	29.36	V	54	-24.64	Avg	1.3	250	
3658.48	43.01	V	74	-30.99	Peak	1.3	250	
3658.48	23.01	V	54	-30.99	Avg	1.3	250	
4573.1	45.91	V	74	-28.09	Peak	1.25	135	
4573.1	25.91	V	54	-28.09	Avg	1.25	135	
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	51.31	H	74	-22.69	Peak	1.25	180	
1829.24	31.31	H	54	-22.69	Avg	1.25	180	
2743.86	52.05	H	74	-21.95	Peak	1.85	315	
2743.86	32.05	H	54	-21.95	Avg	1.85	315	
3658.48	41.07	H	74	-32.93	Peak	1.25	165	
3658.48	21.07	H	54	-32.93	Avg	1.25	165	
4573.1	50.26	H	74	-23.74	Peak	1.25	135	
4573.1	30.26	H	54	-23.74	Avg	1.25	135	
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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Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1829.24	52.71	H	74	-21.29	Peak	1.25	180	
1829.24	32.71	H	54	-21.29	Avg	1.25	180	
2743.86	50.04	H	74	-23.96	Peak	1.3	250	
2743.86	30.04	H	54	-23.96	Avg	1.3	250	
3658.48	40.84	H	74	-33.16	Peak	1.3	250	
3658.48	20.84	H	54	-33.16	Avg	1.3	250	
4573.1	52.61	H	74	-21.39	Peak	1.25	135	
4573.1	32.61	H	54	-21.39	Avg	1.25	135	
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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Linx Technologies
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	45.61	H	74	-28.39	Peak	1.4	90	
1829.24	25.61	H	54	-28.39	Avg	1.4	90	
2743.86	50.62	H	74	-23.38	Peak	1.3	250	
2743.86	30.62	H	54	-23.38	Avg	1.3	250	
3658.48	44.14	H	74	-29.86	Peak	1.3	250	
3658.48	24.14	H	54	-29.86	Avg	1.3	250	
4573.1	48.43	H	74	-25.57	Peak	1.25	135	
4573.1	28.43	H	54	-25.57	Avg	1.25	135	
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								