

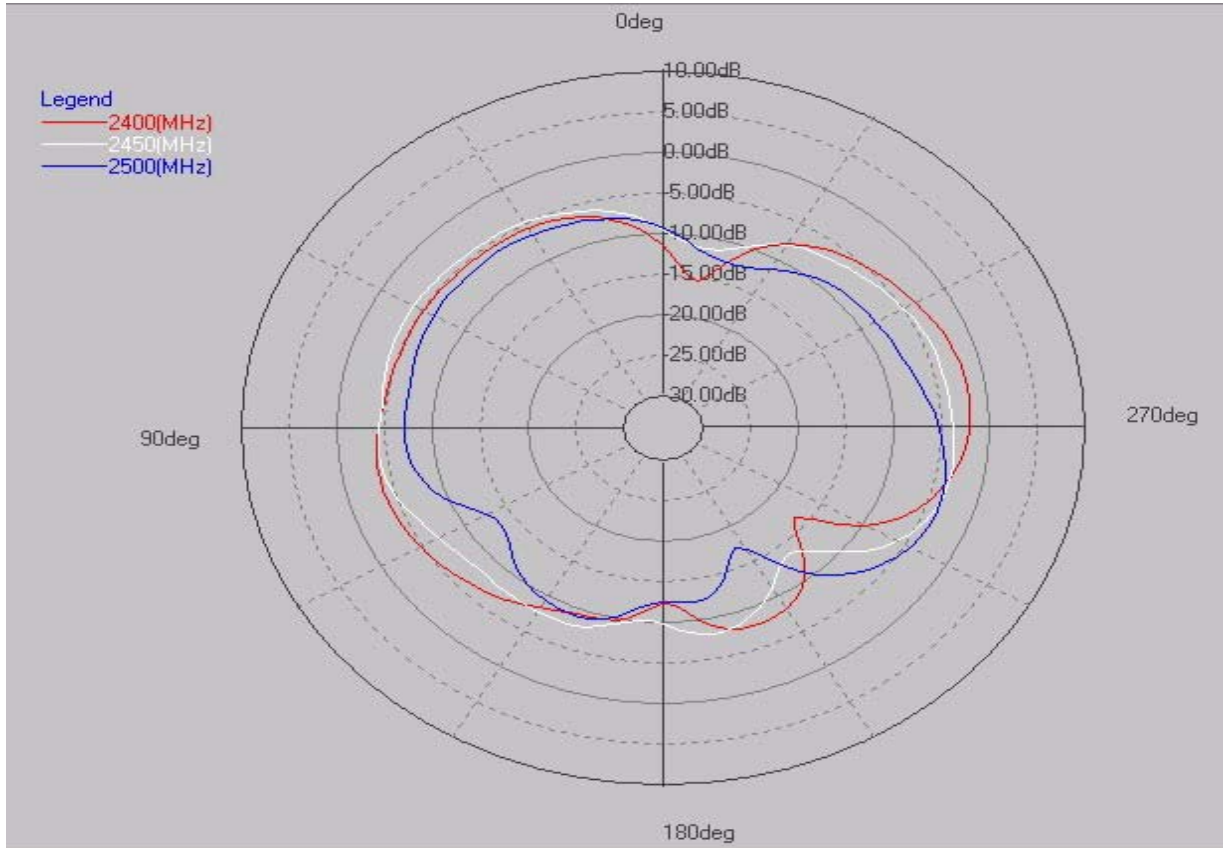
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Client: Zebra Technologies
Model: ZLAN11G Radio Module
Standards: FCC Part 15.247/IC RSS-210
FCC ID: I28MD-ZLAN11G/3798A-ZLAN11G
Report#: 2006127

Appendix B: Antenna Specifications

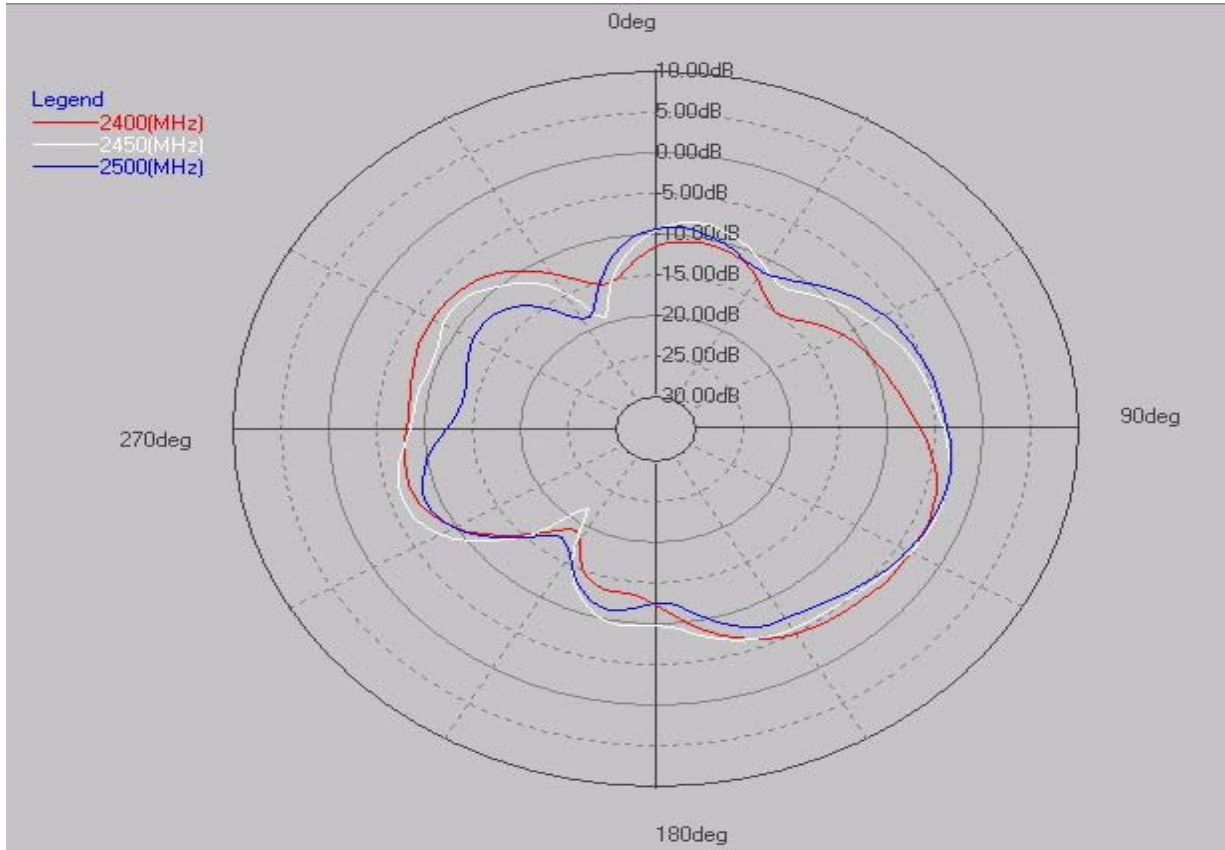
Please see the following pages.

RW220 ZLAN11G antenna (CQ18317) - X-Z Plane



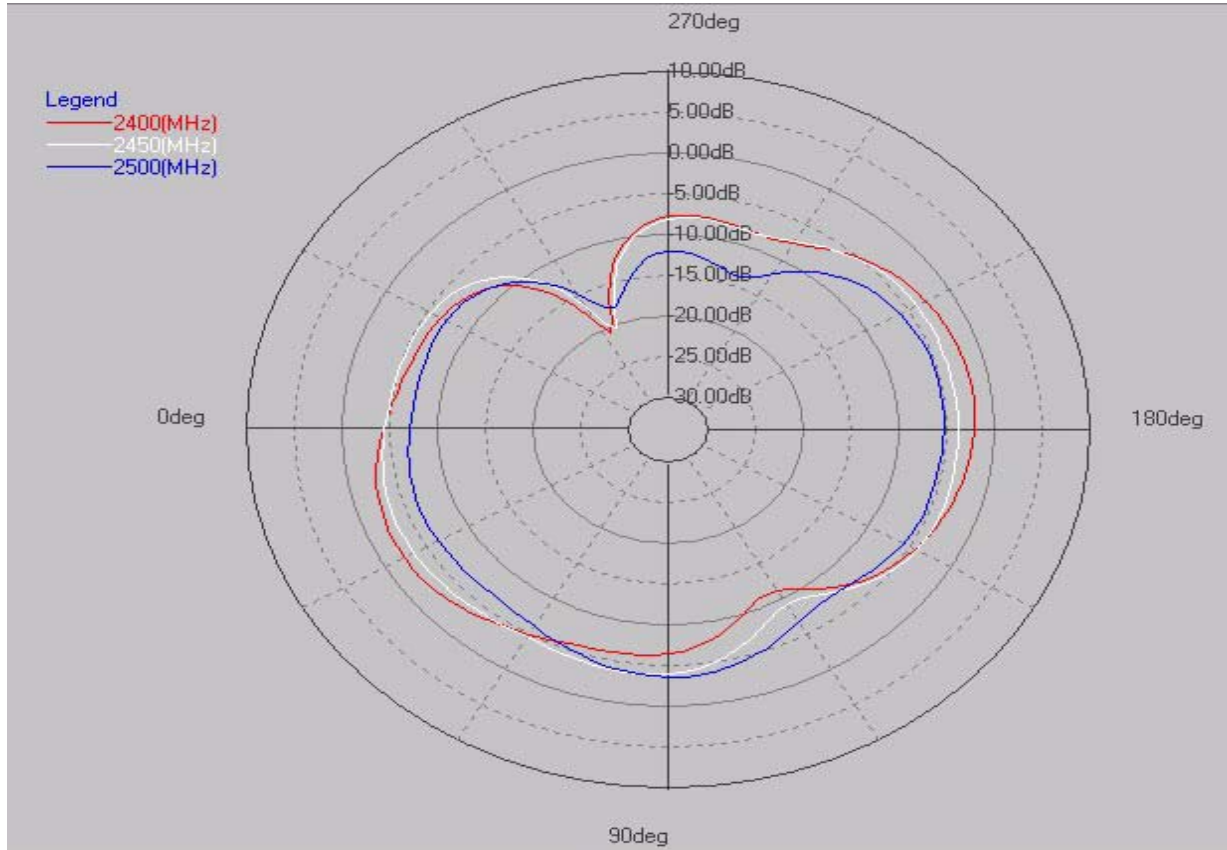
Frequency (MHz)	Max Gain (dBi)	Position	Min Gain (dBi)	Position	BeamWidth	Average Gain (dBi)
2400(MHz)	-1.92 dB	-84.00 deg	-16.42 dB	-129.00 deg	59.58 deg	-6.55 dB
2450(MHz)	-3.46 dB	-99.00 deg	-13.70 dB	-141.00 deg	75.26 deg	-6.55 dB
2500(MHz)	-3.68 dB	-111.00 deg	-17.47 dB	-153.00 deg	50.70 deg	-8.54 dB

RW220 ZLAN11G antenna (CQ18317) - Y-Z Plane



Frequency (MHz)	Max Gain (dBi)	Position	Min Gain (dBi)	Position	BeamWidth	Average Gain (dBi)
2400(MHz)	-3.41 dB	117.00 deg	-19.05 dB	-147.00 deg	68.50 deg	-9.07 dB
2450(MHz)	-2.79 dB	105.00 deg	-22.06 dB	-144.00 deg	79.07 deg	-8.30 dB
2500(MHz)	-2.90 dB	102.00 deg	-18.88 dB	-27.00 deg	71.20 deg	-9.19 dB

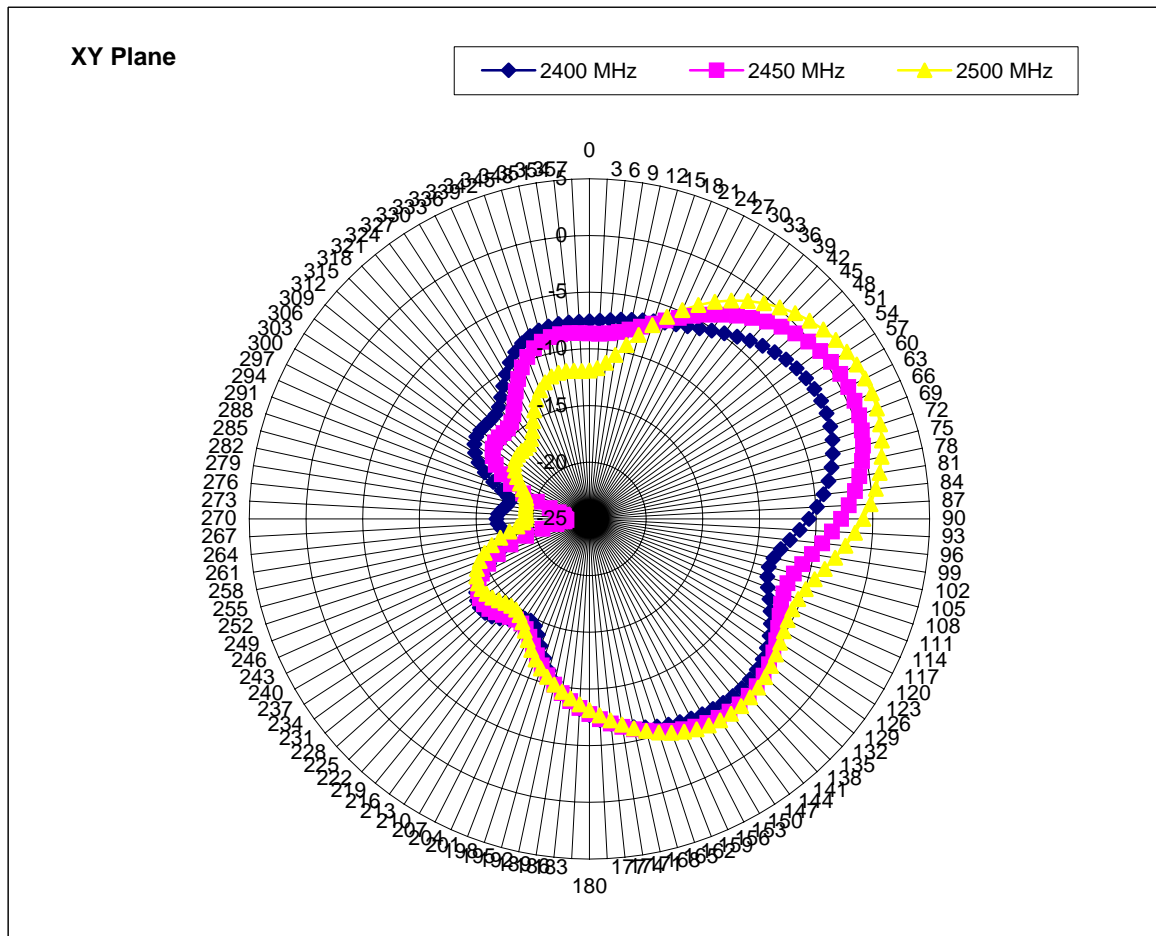
RW220 ZLAN11G antenna (CQ18317) - X-Y Plane



Frequency (MHz)	Max Gain (dBi)	Position	Min Gain (dBi)	Position	BeamWidth	Average Gain (dBi)
2400(MHz)	-1.92 dBi	189.00 deg	-20.86 dBi	297.00 deg	78.76 deg	-5.72 dBi
2450(MHz)	-3.42 dBi	24.00 deg	-20.68 dBi	294.00 deg	----	-5.71 dBi
2500(MHz)	-3.67 dBi	90.00 deg	-18.28 dBi	291.00 deg	67.85 deg	-7.31 dBi

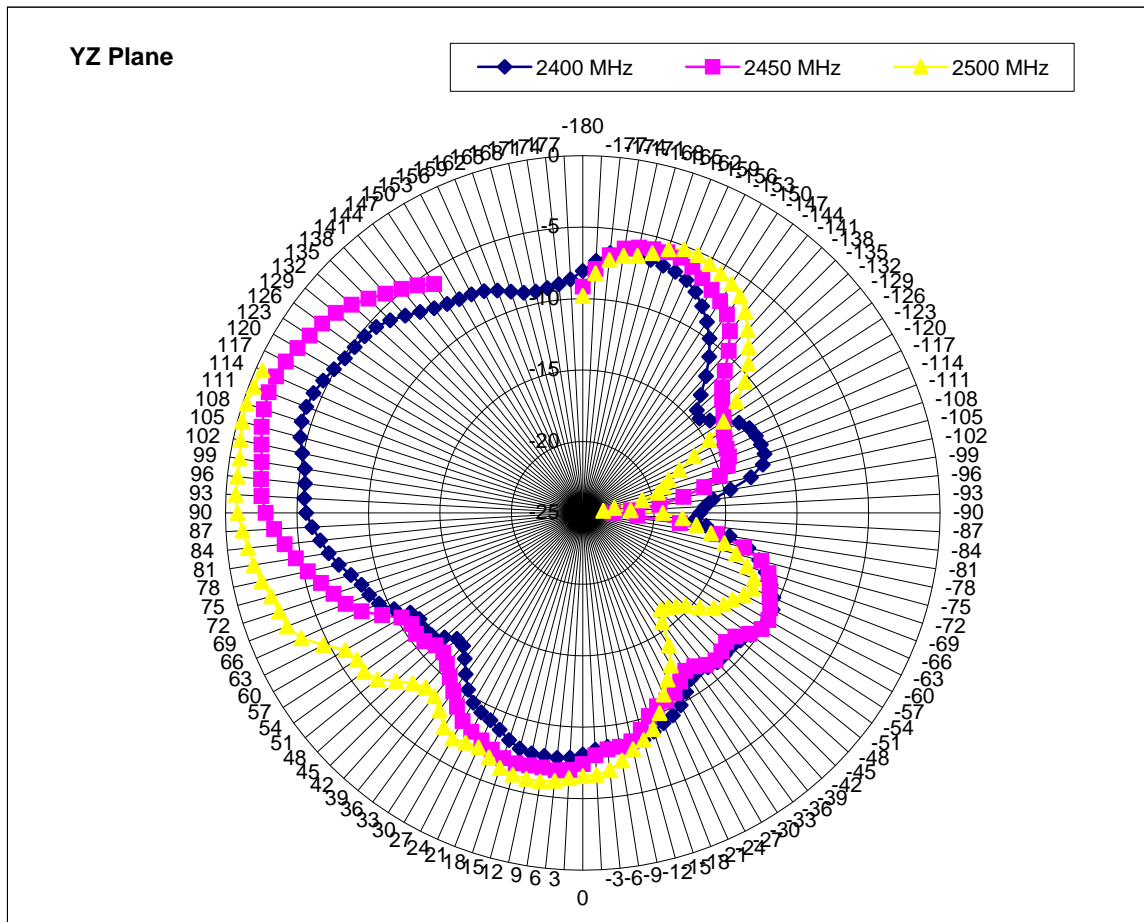
CQ17252-1 RW420 ZLAN11B/G antenna gain pattern

	XY			
	Max	Min	Ave	Efficiency
2400 MHz	-2.069541	-17.80064	-9.210513	-6.71278
2450 MHz	0.622088	-22.98593	-9.302906	-5.698853
2500 MHz	2.286176	-19.43561	-9.120367	-5.207014



CQ17252-1 RW420 ZLAN11B/G antenna gain pattern

	YZ		
	Max	Min	Ave
2400 MHz	-4.280304	-17.09745	-9.402626
2450 MHz	-3.134606	-22.89453	-8.949046
2500 MHz	-0.267465	-23.56055	-8.206234



CQ17252-1 RW420 ZLAN11B/G antenna gain pattern

	XZ		
	Max	Min	Ave
2400 MHz	-3.179794	-17.26928	-7.391796
2450 MHz	-3.14142	-31.98504	-6.067317
2500 MHz	-3.305833	-13.92065	-8.137309

