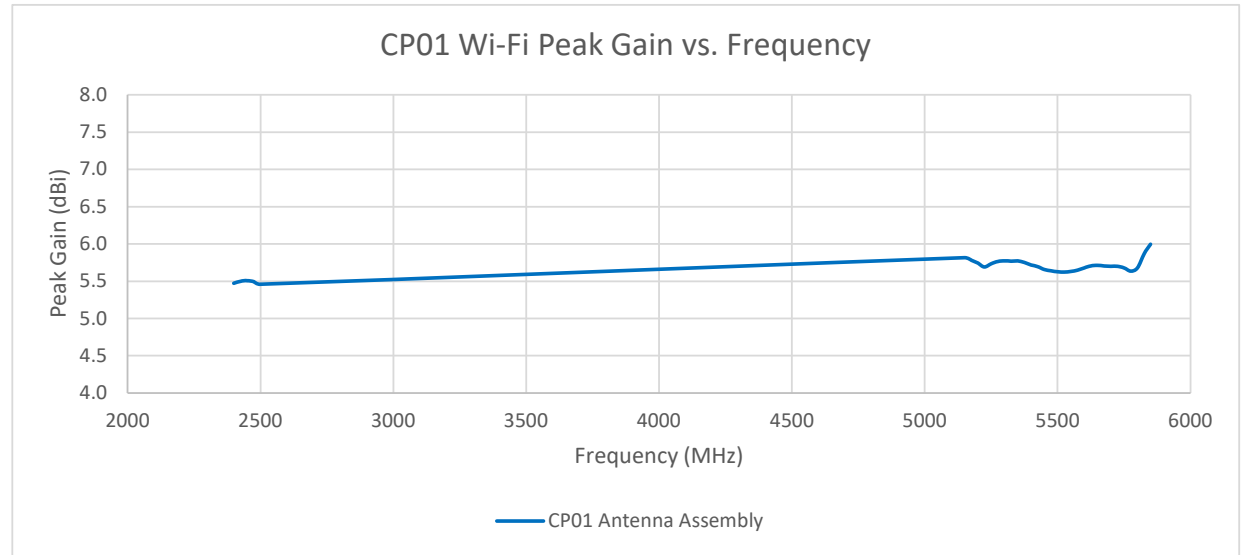


Test Antenna 1
 CP01 Custom Monopole Antennas

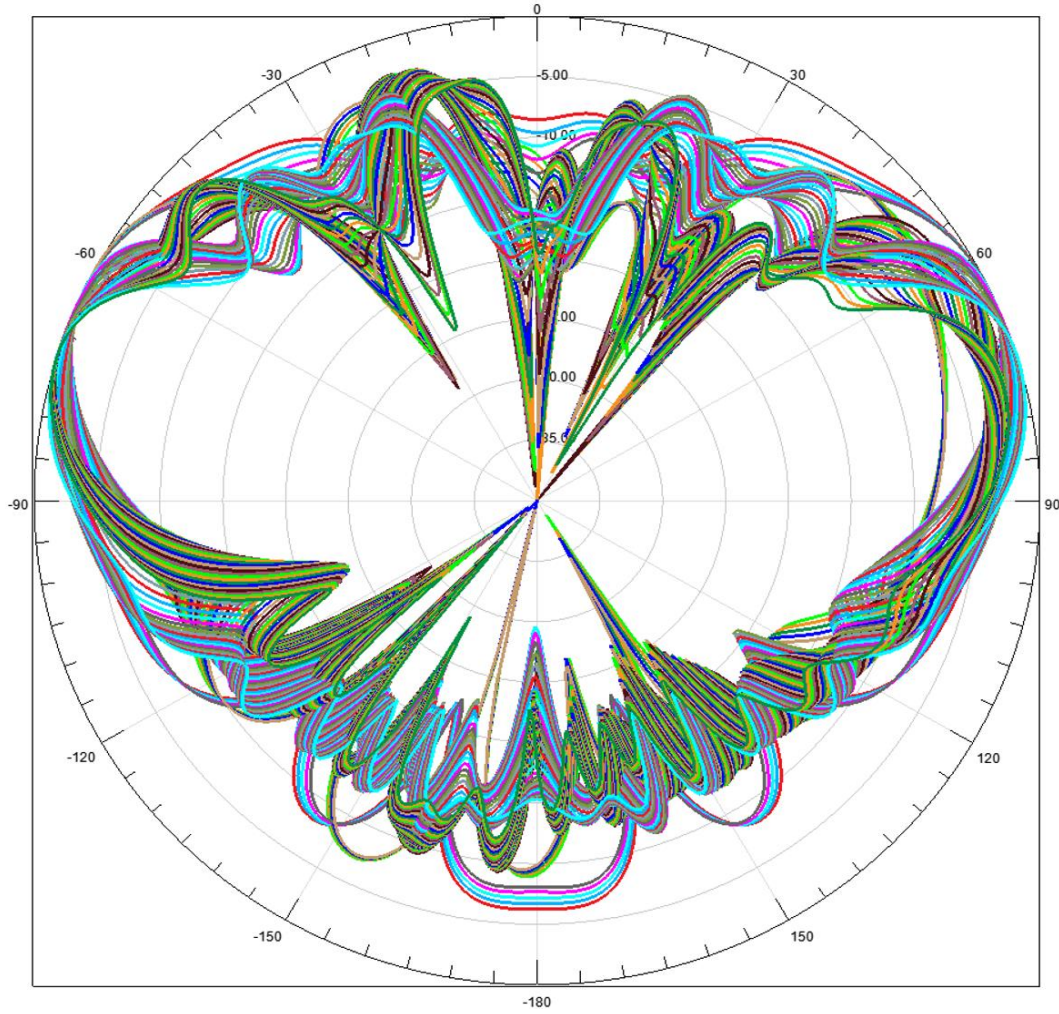
Freq.	Peak Gain (dB)		CP01 Antenna Assembly
	LMR200 cable loss (dB)	WiFi no coax	
2400	1.0510	6.5204	5.4694
2425	1.0567	6.5548	5.4980
2450	1.0624	6.5693	5.5069
2475	1.0681	6.5618	5.4938
2500	1.0737	6.5307	5.4570
5150	1.5724	7.3849	5.8125
5175	1.5765	7.3569	5.7805
5200	1.5805	7.3203	5.7398
5225	1.5846	7.2747	5.6901
5250	1.5886	7.3202	5.7316
5275	1.5926	7.3563	5.7637
5300	1.5966	7.3692	5.7725
5325	1.6007	7.3698	5.7691
5350	1.6047	7.3748	5.7701
5375	1.6087	7.3575	5.7488
5400	1.6126	7.3290	5.7163
5425	1.6166	7.3128	5.6961
5450	1.6206	7.2761	5.6555
5475	1.6246	7.2620	5.6375
5500	1.6285	7.2519	5.6234
5525	1.6325	7.2535	5.6210
5550	1.6364	7.2673	5.6309
5575	1.6403	7.2876	5.6473
5600	1.6443	7.3225	5.6782
5625	1.6482	7.3528	5.7046
5650	1.6521	7.3654	5.7133
5675	1.6560	7.3605	5.7045
5700	1.6599	7.3578	5.6979
5725	1.6638	7.3622	5.6984
5750	1.6677	7.3453	5.6777
5775	1.6715	7.3069	5.6353
5800	1.6754	7.3519	5.6765
5825	1.6792	7.5431	5.8638
5850	1.6831	7.6788	5.9957



Cradlepoint, Inc. Custom WiFi antenna

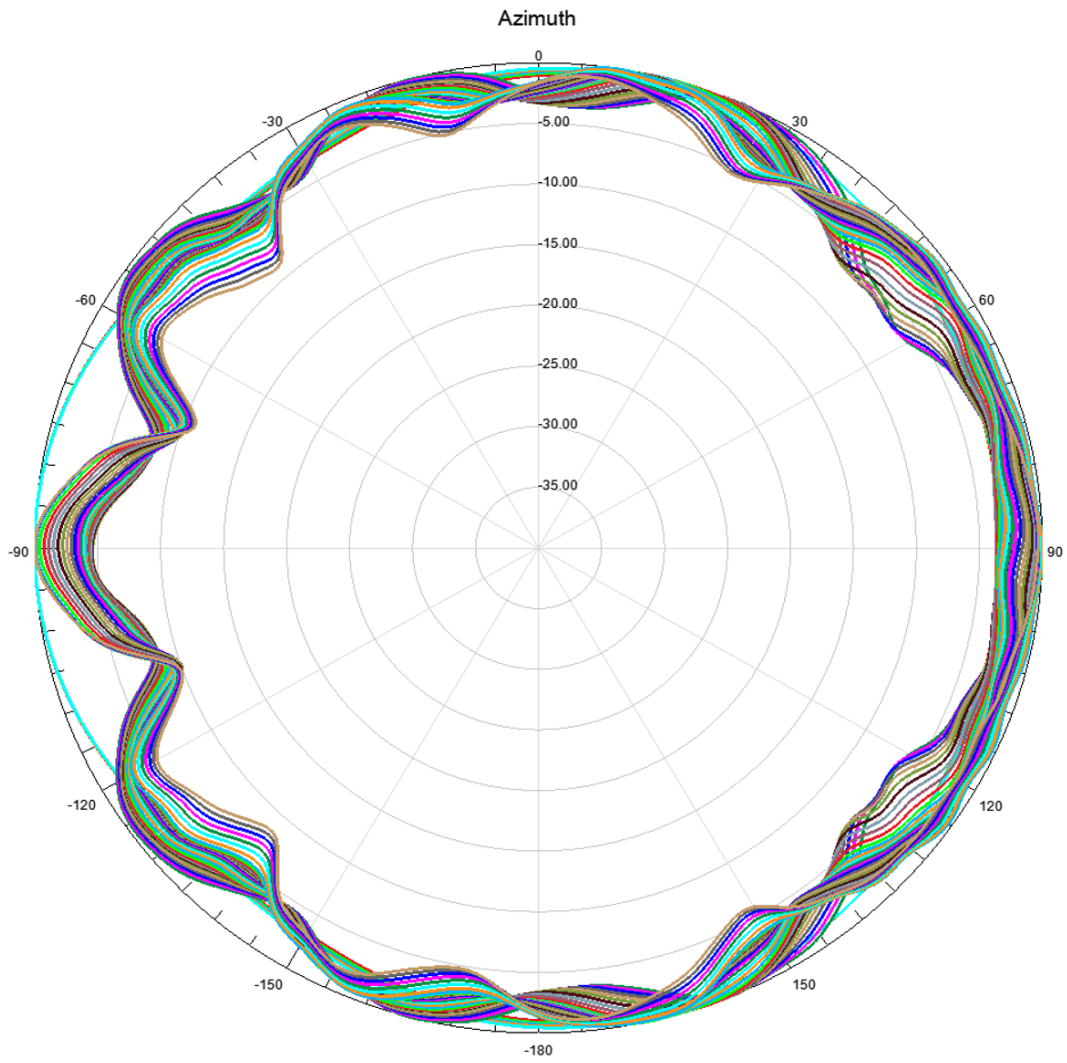
Cradlepoint, Inc.
 1111 W Jefferson St.
 Boise, ID 83704

Elevation



HFSSDesign37 ANSYS

Curve Info
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.4GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.4GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.425GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.425GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.45GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.45GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.475GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.475GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.5GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.5GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.5GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=2.5GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=5.1GHz' gpr=7in' Phi=0deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=5.1GHz' gpr=7in' Phi=90deg'
dB10normalize(RealizedGainTotal) Setup 1 : Sweep Freq=5.125GHz' gpr=7in' Phi=0deg'



Curve Info	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=2.4GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=2.425GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=2.45GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=2.475GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=2.5GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.1GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.125GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.15GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.175GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.2GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.225GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.25GHz' gpr=7in' Theta=90deg'	
—	dB10normalize(RealizedGainTotal)
Setup 1 : Sweep	
Freq=5.275GHz' gpr=7in' Theta=90deg'	