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Bruno Clavier, NCE
Vice President, Operations
Rhein Tech Laboratories, Inc.
360 Herndon Pkwy, Suite 1400, Herndon, VA 20170

SUBJECT: Antenna gain for IX250

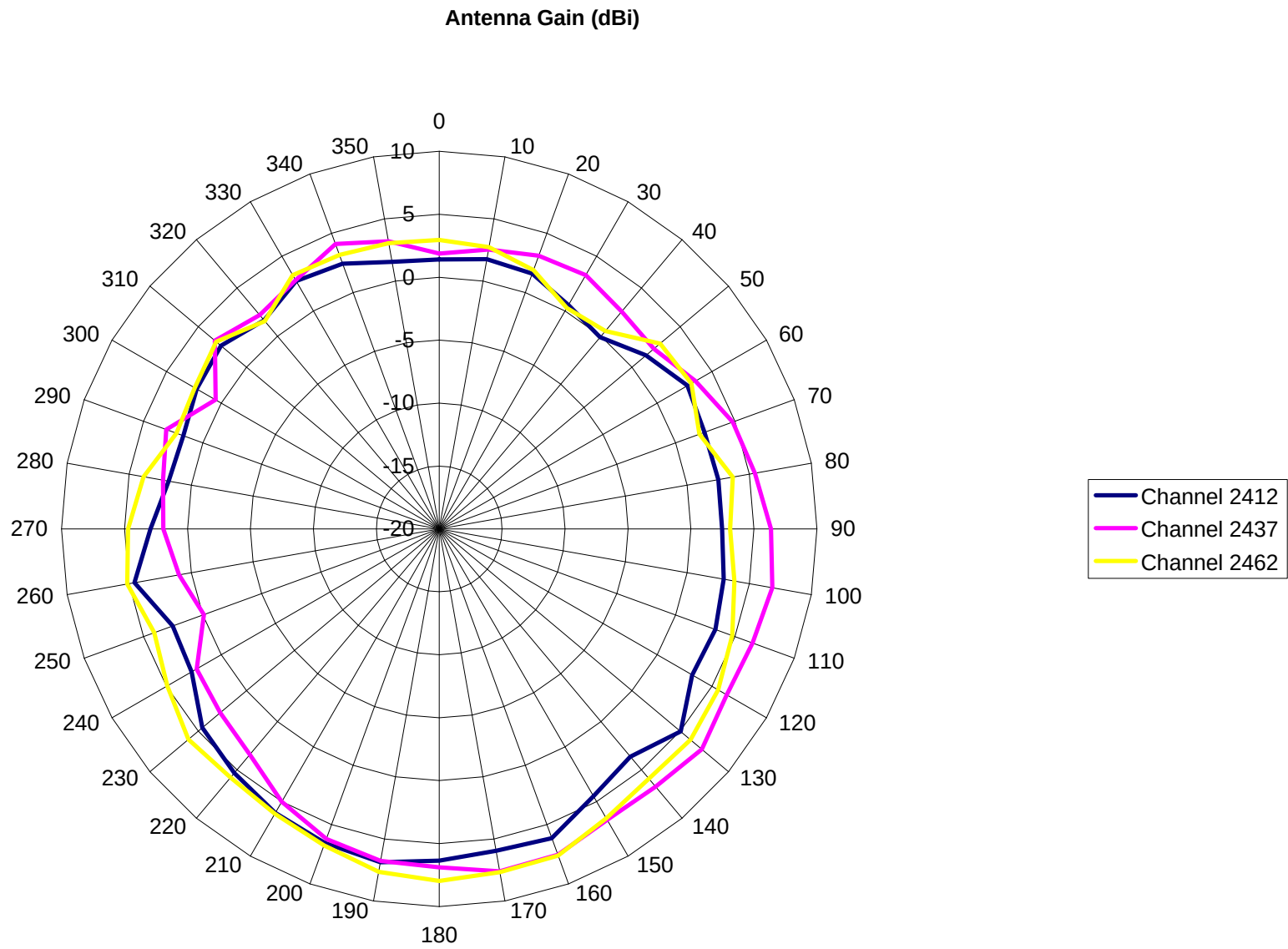
Dear Bruno,

This letter is to provide you with the gain of the integrated antenna implemented on the IX250 to support the Cisco LMC352 WLAN PC-card. The gain below is calculated from the Celltech report (S/N: 050201-102KBC). I am including the results in tabular and graphical form.

Sincerely,

Duane Radmer
Sr. Electrical Engineer
Wireless Product Development
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Enclosures: Antenna Gain



Gain in dBi

Average dBi 4.37

Max 7.96

Min -0.13

Angle	Average	Ch 2412	Ch 2437	Ch 2462
0	2.13	1.40	1.87	2.96
10	2.36	1.77	2.53	2.72
20	2.23	1.58	3.10	1.87
30	1.58	0.53	3.27	0.27
40	1.12	-0.13	2.53	0.51
50	2.24	1.46	2.25	2.89
60	3.13	2.76	3.48	3.12
70	3.27	2.43	4.81	2.01
80	4.05	2.50	5.46	3.68
90	4.33	2.46	6.36	3.10
100	4.88	2.94	6.87	3.80
110	5.04	3.33	6.48	4.75
120	5.24	3.21	6.38	5.56
130	6.20	5.04	7.23	6.05
140	5.61	3.61	6.73	5.91
150	6.01	4.50	6.68	6.54
160	7.14	6.14	7.53	7.60
170	7.16	5.96	7.62	7.69
180	7.12	6.35	6.89	7.96
190	7.13	6.89	6.78	7.67
200	6.50	6.54	6.20	6.75
210	5.75	6.03	5.02	6.11
220	4.95	5.32	3.41	5.77
230	4.64	4.57	2.73	6.02
240	3.46	2.71	2.25	4.92
250	2.49	2.53	-0.10	4.08
260	3.93	4.59	0.98	5.17
270	3.35	2.94	1.92	4.71
280	2.74	1.84	2.28	3.84
290	2.35	1.65	3.08	2.21
300	1.80	2.23	0.52	2.42
310	3.02	2.64	3.27	3.12
320	1.80	1.65	2.18	1.55
330	2.95	2.74	2.80	3.28
340	3.28	2.43	4.09	3.17
350	2.67	1.53	3.22	3.07