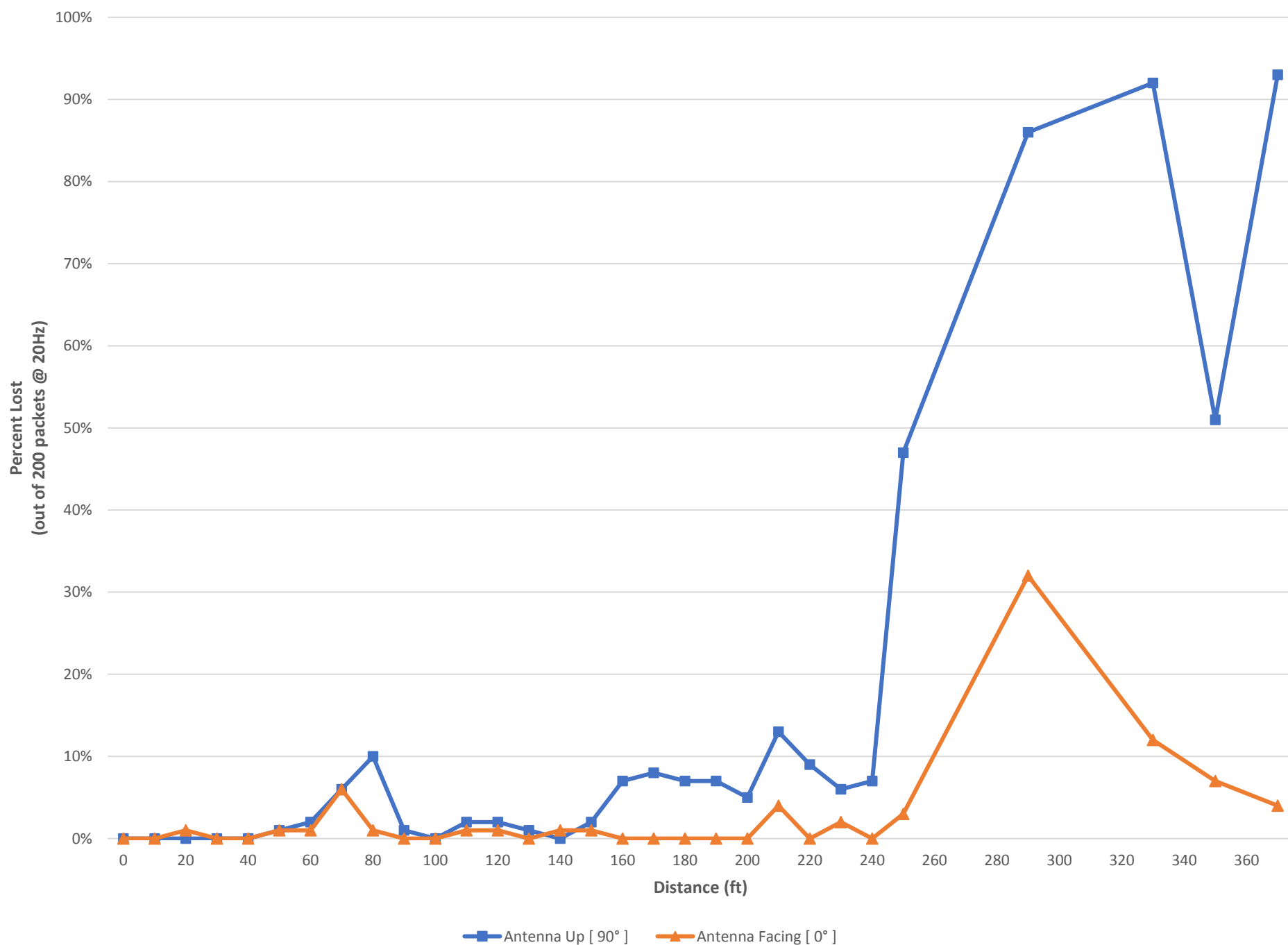
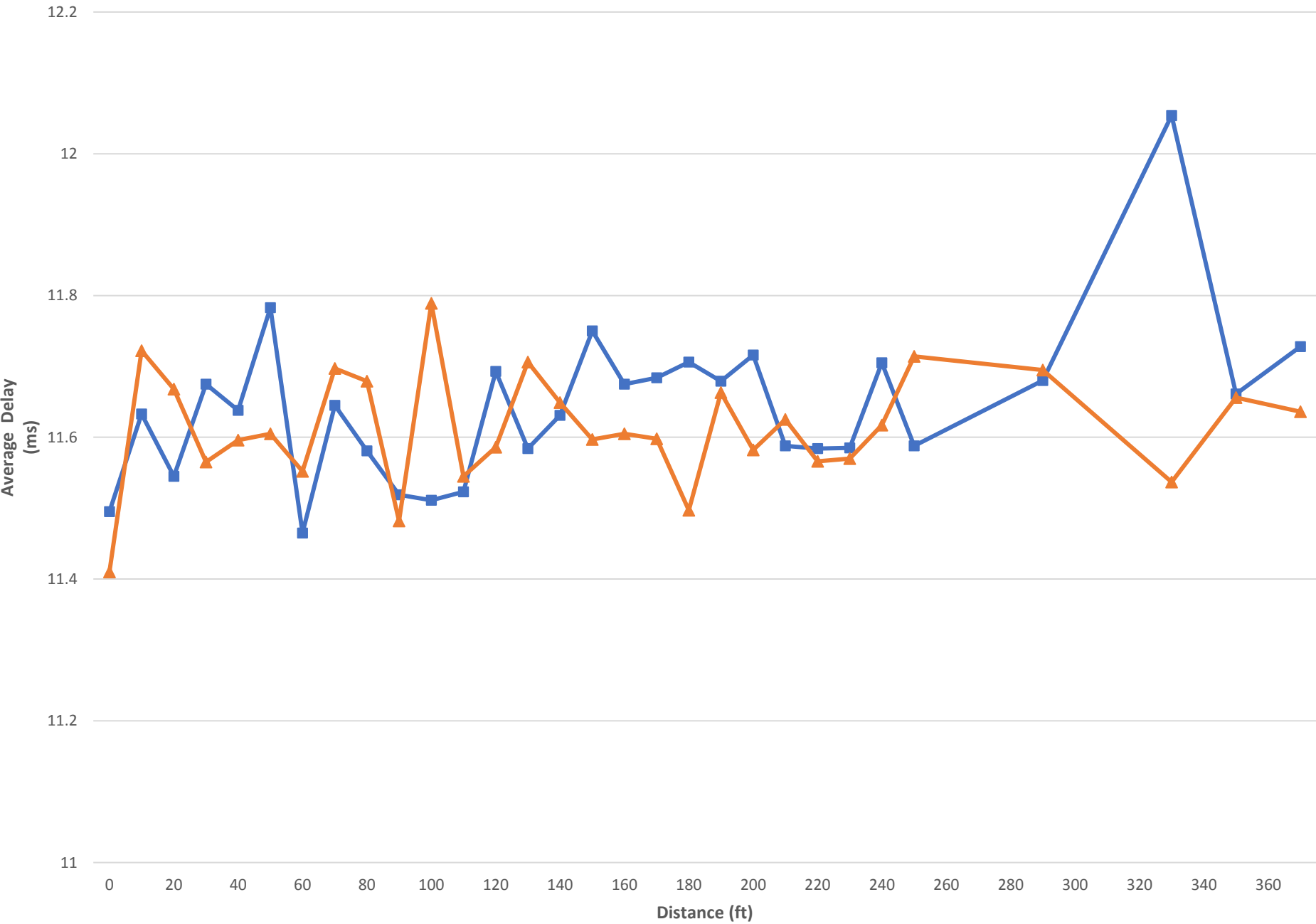


6LoWPAN Packet Loss vs. Distance



6LoWPAN Packet Loss vs. Distance



Antenna Up [90°] Antenna Facing [0°]

DISTANCE (FT)	PACKET LOSS (%) [ANTENNA UP]	PACKET LOSS (%) [ANTENNA FACING]	AV. DELAY (MS) [ANTENNA UP]	AV. DELAY (MS) [ANTENNA FACING]
0	0%	0%	11.495	11.41
10	0%	0%	11.633	11.722
20	0%	1%	11.545	11.668
30	0%	0%	11.675	11.565
40	0%	0%	11.638	11.596
50	1%	1%	11.783	11.605
60	2%	1%	11.465	11.552
70	6%	6%	11.645	11.697
80	10%	1%	11.581	11.679
90	1%	0%	11.519	11.482
100	0%	0%	11.511	11.789
110	2%	1%	11.523	11.545
120	2%	1%	11.693	11.586
130	1%	0%	11.584	11.706
140	0%	1%	11.631	11.649
150	2%	1%	11.75	11.597
160	7%	0%	11.675	11.605
170	8%	0%	11.684	11.598
180	7%	0%	11.706	11.497
190	7%	0%	11.679	11.663
200	5%	0%	11.716	11.582
210	13%	4%	11.588	11.625
220	9%	0%	11.584	11.566
230	6%	2%	11.585	11.57
240	7%	0%	11.705	11.617
250	47%	3%	11.588	11.714
290	86%	32%	11.68	11.695
330	92%	12%	12.054	11.537
350	51%	7%	11.661	11.656
370	93%	4%	11.728	11.636

Test Details:

200 pings per test
Pings at frequency of 20Hz

Location Details:

Hartwell's Lockstation, Ottawa, ON
45°23'03.6"N 75°42'05.4"W
22/10/2017 4:00pm-7:00pm

Environment Notes:

Non-noisy environment
2.4GHz interference < -95 dBm average
Large, open space
Line-of-sight between radios for tests