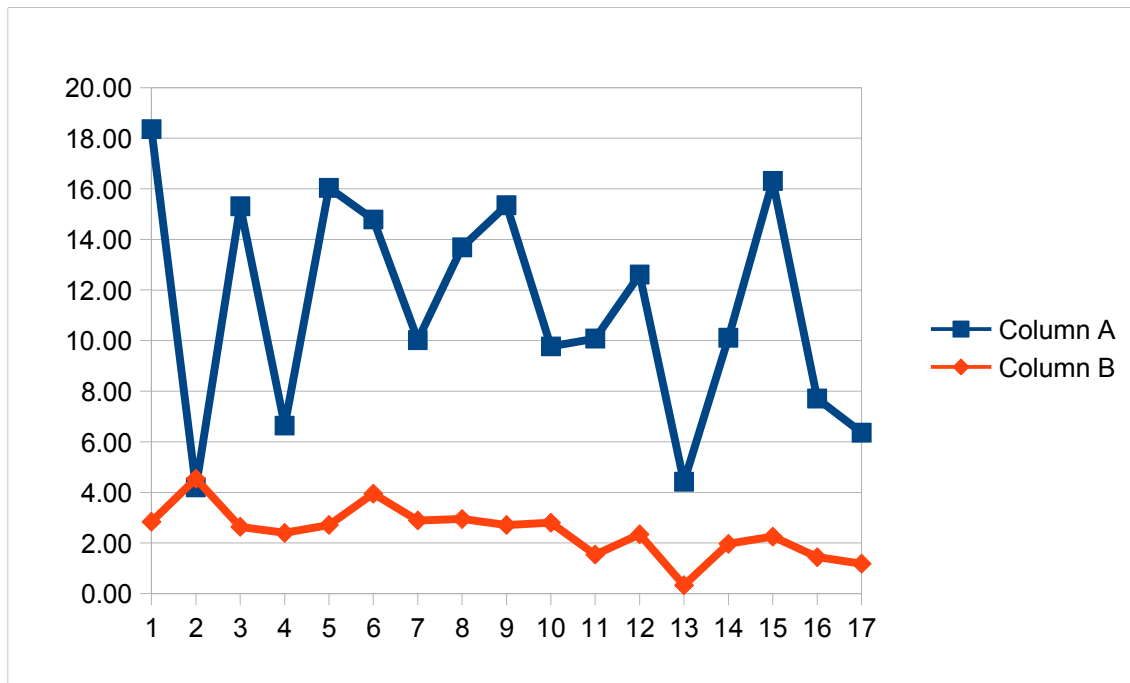


RESULTS

HughesNET Gen 5 Evaluation

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18.36	2.84
4.20	4.54
15.31	2.64
6.64	2.40
16.04	2.71
14.79	3.95
10.02	2.89
13.69	2.95
15.35	2.71
9.77	2.80
10.08	1.54
12.61	2.34
4.42	0.33
10.11	1.97
16.31	2.25
7.71	1.44
6.36	1.18
11.28	2.44



Test Done on 04/15/2019 3:30 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 106)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>		<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>					<i>5 GHz Channel</i>	
1	632	20.93	1.32		21.51	4.12
2	655	16.31	2.56		21.1	3.94
3	715	21.51	4.12		20.93	2.79
4	1529	21.1	2.79		18.24	2.56
5	709	18.24	3.94		16.31	1.32
				Mean =	19.62	2.95
				Median =	20.93	2.79
<i>2.4 GHz Channel</i>					<i>2.4 GHz Channel</i>	
1	659	15.41	2.32		20.58	3.56
2	811	18.63	3.56		18.63	2.82
3	645	13.87	2.23		16.98	2.7
4	714	16.98	2.82		15.41	2.32
5	720	20.58	2.7		13.87	2.23
				Mean =	17.09	2.73
				Median =	16.98	2.70
<i>Ethernet</i>					<i>Ethernet</i>	
1						
2						
3						
4						
5						
				Mean =	0.00	0.00
				Median =		
<i>Campground WiFi</i>					<i>Campground WiFi</i>	
1	na	na	na			
2	na	na	na			
3	na	na	na			
4	na	na	na			
5	na	na	na			
				Mean =	0.00	0.00
				Median =		
<i>DAILY MEAN</i>						
		21.51	4.12			
		21.1	3.94			
		20.93	3.56			
		20.58	2.82			
		18.63	2.79			
		18.24	2.7			
		16.98	2.56			
		16.31	2.32			
		15.41	2.23			
		13.87	1.32			
	Mean =	18.36	2.84			

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	715	4.24	1.92				
2	727	4.61	2.98				
3	715	6.41	1.95				
4	1351	4.99	3.31				
5	715	4.22	3.27				
<i>2.4 GHz Channel</i>							
1	715	3.78	2.61				
2	703	4.35	2.72				
3	1950	4.48	2.67				
4	1357	4.55	2.08				
5	730	0.36	1.93				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		6.41	3.31				
		4.99	3.27				
		4.61	2.98				
		4.24	1.95				
		4.22	1.92				
Mean =		4.89	2.69				
Median =		4.61	2.98				
<i>2.4 GHz Channel</i>							
		4.55	2.72				
		4.48	2.67				
		4.35	2.61				
		3.78	2.08				
		0.36	1.93				
Mean =		3.50	2.40				
Median =		4.35	2.61				
<i>DAILY MEAN</i>							
		4.24	1.92				
		4.61	2.98				
		6.41	1.95				
		4.99	3.31				
		4.22	3.27				
		3.78	2.61				
		4.35	2.72				
		4.48	2.67				
		4.55	2.08				
		0.36	1.93				
Mean =		4.20	2.54				

Test Done on 04/17/2019 12:00 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 103)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	613	13.96	2.56				
2	672	17.16	3.27				
3	714	5.69	2.06				
4	676	15.49	3.36				
5	712	20.56	2.76				
<i>2.4 GHz Channel</i>							
1	1266	29.08	2.7				
2	1453	21.51	3.03				
3	668	16.15	2.77				
4	595	0.2	0.36				
5	708	13.3	3.5				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		20.56	3.36				
		17.16	3.27				
		15.49	2.76				
		13.96	2.56				
		5.69	2.06				
Mean =		14.57	2.80				
Median =		15.49	2.76				
<i>2.4 GHz Channel</i>							
		29.08	3.5				
		21.51	3.03				
		16.15	2.77				
		13.3	2.7				
		0.2	0.36				
Mean =		16.05	2.47				
Median =		16.15	2.77				
<i>DAILY MEAN</i>							
		13.96	2.56				
		17.16	3.27				
		5.69	2.06				
		15.49	3.36				
		20.56	2.76				
		29.08	2.7				
		21.51	3.03				
		16.15	2.77				
		0.2	0.36				
		13.3	3.5				
Mean =		15.31	2.64				

Test Done on 04/18/2019 8:00 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 106)

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	817	0.2	0.38				
2	735	2.15	2.39				
3	727	10.32	2.71				
4	1515	10.74	2.55				
5	724	0.2	0.33				
<i>2.4 GHz Channel</i>							
1	2231	7.51	2.96				
2	868	9.21	3.09				
3	1102	6.91	3.45				
4	714	6.39	3.47				
5	733	12.8	2.63				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		10.74	2.71				
		10.32	2.55				
		2.15	2.39				
		0.2	0.38				
		0.2	0.33				
Mean =		4.72	1.67				
Median =		2.15	2.39				
<i>2.4 GHz Channel</i>							
		12.8	3.47				
		9.21	3.45				
		7.51	3.09				
		6.91	2.96				
		6.39	2.63				
Mean =		8.56	3.12				
Median =		7.51	3.09				
<i>DAILY MEAN</i>							
		0.2	0.38				
		2.15	2.39				
		10.32	2.71				
		10.74	2.55				
		0.2	0.33				
		7.51	2.96				
		9.21	3.09				
		6.91	3.45				
		6.39	3.47				
		12.8	2.63				
Mean =		6.64	2.40				

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	2078	26.77	3.5				
2	714	0.2	0.41				
3	1482	23.61	2.17				
4	715	16.62	3.13				
5	1060	15.68	2.68				
<i>2.4 GHz Channel</i>							
1	1682	14.37	2.73				
2	1582	17.58	2.81				
3	1531	13.79	2.87				
4	1437	16.81	3.66				
5	710	14.98	3.09				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		26.77	3.5				
		23.61	3.13				
		16.62	2.68				
		15.68	2.17				
		0.2	0.41				
Mean =		16.58	2.38				
Median =		16.62	2.68				
<i>2.4 GHz Channel</i>							
		14.37	2.73				
		17.58	2.81				
		13.79	2.87				
		16.81	3.66				
		14.98	3.09				
Mean =		15.51	3.03				
Median =		13.79	2.87				
<i>DAILY MEAN</i>							
		26.77	3.5				
		0.2	0.41				
		23.61	2.17				
		16.62	3.13				
		15.68	2.68				
		14.37	2.73				
		17.58	2.81				
		13.79	2.87				
		16.81	3.66				
		14.98	3.09				
Mean =		16.04	2.71				

Test Done on 04/20/2019 1:30 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 101)

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
-------------	-------------	-----------------	---------------	-------------	-------------	-----------------	---------------

5 GHz Channel

1	684	15.74	3.28
2	735	15.48	2.53
3	715	15.9	3.13
4	674	19.19	3.33
5	638	19.23	3.9

2.4 GHz Channel

1	1053	13.36	2.93
2	613	18.97	4.03
3	816	0.38	9.23
4	669	12.68	3.59
5	709	16.94	3.56

Campground WiFi

1	na	na	na
2	na	na	na
3	na	na	na
4	na	na	na
5	na	na	na

5 GHz Channel

19.23	3.9
19.19	3.33
15.9	3.28
15.74	3.13
15.48	2.53

Mean = 17.11 3.23

Median = 15.90 3.28

2.4 GHz Channel

18.97	9.23
16.94	4.03
13.36	3.59
12.68	3.56
0.38	2.93

Mean = 12.47 4.67

Median = 13.36 3.59

DAILY MEAN

19.23	3.9
19.19	3.33
15.9	3.28
15.74	3.13
15.48	2.53
18.97	9.23
16.94	4.03
13.36	3.59
12.68	3.56
0.38	2.93

Mean = 14.79 3.95

Test Done on 04/21/2019 5:48 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 104)

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	645	13.3	3.38				
2	674	12.53	3.49				
3	1536	9.74	3.6				
4	714	17.32	3				
5	1475	12.33	3.41				
<i>2.4 GHz Channel</i>							
1	714	13.06	2.96				
2	691	5.3	2.74				
3	900	5.33	1.53				
4	1125	7.25	2.56				
5	847	4.03	2.24				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		17.32	3.6				
		13.3	3.49				
		12.53	3.41				
		12.33	3.38				
		9.74	3				
Mean =		13.04	3.38				
Median =		12.53	3.41				
<i>2.4 GHz Channel</i>							
		13.06	2.96				
		7.25	2.74				
		5.33	2.56				
		5.3	2.24				
		4.03	1.53				
Mean =		6.99	2.41				
Median =		5.33	2.56				
<i>DAILY MEAN</i>							
		17.32	3.6				
		13.3	3.49				
		12.53	3.41				
		12.33	3.38				
		9.74	3				
		13.06	2.96				
		7.25	2.74				
		5.33	2.56				
		5.3	2.24				
		4.03	1.53				
Mean =		10.02	2.89				

Test Done on 04/22/2019 10:48 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 106)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	710	16.2	3.38				
2	1583	21.13	3.03				
3	715	0.2	0.52				
4	694	17.24	2.94				
5	665	17.14	3.09				
<i>2.4 GHz Channel</i>							
1	973	12.47	3.5				
2	714	15.11	3.13				
3	745	8.32	2.99				
4	714	14.93	2.86				
5	609	14.16	4.03				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		21.13	3.38				
		17.24	3.09				
		17.14	3.03				
		16.2	2.94				
		0.2	0.52				
Mean =		14.38	2.59				
Median =		17.14	3.03				
<i>2.4 GHz Channel</i>							
		15.11	4.03				
		14.93	3.5				
		14.16	3.13				
		12.47	2.99				
		8.32	2.86				
Mean =		13.00	3.30				
Median =		14.16	3.13				
<i>DAILY MEAN</i>							
		21.13	3.38				
		17.24	3.09				
		17.14	3.03				
		16.2	2.94				
		0.2	0.52				
		15.11	4.03				
		14.93	3.5				
		14.16	3.13				
		12.47	2.99				
		8.32	2.86				
Mean =		13.69	2.95				

Test Done on 04/23/2019 3:15 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 101)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	1496	0.2	0.48				
2	1504	17.22	2.57				
3	670	17.14	2.34				
4	714	13.59	3.18				
5	597	21.46	3.49				
<i>2.4 GHz Channel</i>							
1	714	17.72	2.54				
2	652	18.59	2.01				
3	612	15.38	3.43				
4	714	15	3.49				
5	1409	17.23	3.59				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		21.46	3.49				
		17.22	3.18				
		17.14	2.57				
		13.59	2.34				
		0.2	0.48				
Mean =		13.92	2.41				
Median =		17.14	2.57				
<i>2.4 GHz Channel</i>							
		18.59	3.59				
		17.72	3.49				
		17.23	3.43				
		15.38	2.54				
		15	2.01				
Mean =		16.78	3.01				
Median =		17.23	3.43				
<i>DAILY MEAN</i>							
		21.46	3.49				
		17.22	3.18				
		17.14	2.57				
		13.59	2.34				
		0.2	0.48				
		18.59	3.59				
		17.72	3.49				
		17.23	3.43				
		15.38	2.54				
		15	2.01				
Mean =		15.35	2.71				

Test Done on 04/24/2019 9:15 PM @ Trailer Village, Grand Canyon, AZ (HughesNET signal = 104)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	635	9.4	2.78				
2	718	8.37	3.29				
3	869	9.47	2.78				
4	1039	7.92	2.61				
5	715	16.06	2.58				
<i>2.4 GHz Channel</i>							
1	1477	17.77	2.49				
2	1599	8.66	3.51				
3	1564	7.9	2.72				
4	714	1.39	2.4				
5	635	10.73	2.79				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		16.06	3.29				
		9.47	2.78				
		9.4	2.78				
		8.37	2.61				
		7.92	2.58				
Mean =		10.24	2.81				
Median =		9.40	2.78				
<i>2.4 GHz Channel</i>							
		17.77	3.51				
		10.73	2.79				
		8.66	2.72				
		7.9	2.49				
		1.39	2.4				
Mean =		9.29	2.78				
Median =		8.66	2.72				
<i>DAILY MEAN</i>							
		16.06	3.29				
		9.47	2.78				
		9.4	2.78				
		8.37	2.61				
		7.92	2.58				
		17.77	3.51				
		10.73	2.79				
		8.66	2.72				
		7.9	2.49				
		1.39	2.4				
Mean =		9.77	2.80				

Test Done on 05/13/2019 6:55 PM @ Indian Flat Campground, El Portal, CA (HughesNET signal = 128)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	652	19.55	2.03				
2	1658	18.13	1.13				
3	841	12.22	1.03				
4	2727	12.22	1.12				
5	1167	7.81	1.34				
<i>2.4 GHz Channel</i>							
1	2176	1.1	4.58				
2	715	6.07	0.97				
3	2315	10.97	0.67				
4	666	4.43	1.1				
5	1380	8.32	1.43				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		19.55	2.03				
		18.13	1.34				
		12.22	1.13				
		12.22	1.12				
		7.81	1.03				
Mean =		13.99	1.33				
Median =		12.22	1.13				
<i>2.4 GHz Channel</i>							
		10.97	4.58				
		8.32	1.43				
		6.07	1.1				
		4.43	0.97				
		1.1	0.67				
Mean =		6.18	1.75				
Median =		6.07	1.10				
<i>DAILY MEAN</i>							
		19.55	2.03				
		18.13	1.34				
		12.22	1.13				
		12.22	1.12				
		7.81	1.03				
		10.97	4.58				
		8.32	1.43				
		6.07	1.1				
		4.43	0.97				
		1.1	0.67				
Mean =		10.08	1.54				

Test Done on 05/14/2019 2:30 PM @ Indian Flat Campground, El Portal, CA (HughesNET signal = 127)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	596	15.95	3.32				
2	699	13.59	3.46				
3	714	17.93	1.53				
4	706	8.62	3.34				
5	1398	7.12	2.11				
<i>2.4 GHz Channel</i>							
1	744	10.77	1.54				
2	713	10.14	2.42				
3	707	13.14	3.18				
4	827	16.57	1.49				
5	1191	12.24	1.01				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		17.93	3.46				
		15.95	3.34				
		13.59	3.32				
		8.62	2.11				
		7.12	1.53				
Mean =		12.64	2.75				
Median =		13.59	3.32				
<i>2.4 GHz Channel</i>							
		16.57	3.18				
		13.14	2.42				
		12.24	1.54				
		10.77	1.49				
		10.14	1.01				
Mean =		12.57	1.93				
Median =		12.24	1.54				
<i>DAILY MEAN</i>							
		17.93	3.46				
		15.95	3.34				
		13.59	3.32				
		8.62	2.11				
		7.12	1.53				
		16.57	3.18				
		13.14	2.42				
		12.24	1.54				
		10.77	1.49				
		10.14	1.01				
Mean =		12.61	2.34				

HEAVY CLOUD COVER

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

Test	Ping	Download	Upload	Test	Ping	Download	Upload
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5 GHz Channel

1	1640	5.5	0.28
2	2177	4.03	0.25
3	3728	4.27	0.41
4	2146	3.73	0.19
5	1083	2.3	0.22

2.4 GHz Channel

1	567	0.78	0.15
2	1864	2.88	0.85
3	1438	7.65	0.36
4	1476	8.15	0.36
5	2423	4.86	0.26

Campground WiFi

1	na	na	na
2	na	na	na
3	na	na	na
4	na	na	na
5	na	na	na

5 GHz Channel

5.5	0.41
4.27	0.28
4.03	0.25
3.73	0.22
2.3	0.19

Mean = **3.97** **0.27**
Median = **4.03** **0.25**

2.4 GHz Channel

8.15	0.85
7.65	0.36
4.86	0.36
2.88	0.26
0.78	0.15

Mean = **4.86** **0.40**
Median = **4.86** **0.36**

DAILY MEAN

5.5	0.41
4.27	0.28
4.03	0.25
3.73	0.22
2.3	0.19
8.15	0.85
7.65	0.36
4.86	0.36
2.88	0.26
0.78	0.15

Mean = **4.42** **0.33**

Test Done on 05/16/2019 2:00 PM @ Indian Flat Campground, El Portal, CA (HughesNET signal = 120)

HEAVY CLOUD COVER

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
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5 GHz Channel

1	600	0.79	1.28
2	713	8.7	1.73
3	1543	4.83	0.96
4	638	11.34	2.69
5	2198	9.17	1.55

2.4 GHz Channel

1	572	11.67	2.5
2	1184	15.52	2.62
3	2009	13.73	2.76
4	700	9.03	1.57
5	1968	16.36	2.04

Campground WiFi

1	na	na	na
2	na	na	na
3	na	na	na
4	na	na	na
5	na	na	na

5 GHz Channel

11.34	2.69
9.17	1.73
8.7	1.55
4.83	1.28
0.79	0.96

Mean = 6.97 1.64

Median = 8.70 1.55

2.4 GHz Channel

16.36	2.76
15.52	2.62
13.73	2.5
11.67	2.04
9.03	1.57

Mean = 13.26 2.30

Median = 13.73 2.50

DAILY MEAN

11.34	2.69
9.17	1.73
8.7	1.55
4.83	1.28
0.79	0.96
16.36	2.76
15.52	2.62
13.73	2.5
11.67	2.04
9.03	1.57

Mean = 10.11 1.97

Test Done on 05/17/2019 9:00 AM @ Indian Flat Campground, El Portal, CA (HughesNET signal = 124)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
<i>5 GHz Channel</i>							
1	1544	17.18	2.8				
2	1366	18.2	1.58				
3	2083	12.06	2.2				
4	1393	17.95	2.57				
5	646	16.4	3.07				
<i>2.4 GHz Channel</i>							
1	712	23.09	2.6				
2	603	11.74	0.96				
3	714	17.86	3.42				
4	1563	17.45	1.38				
5	611	11.14	1.93				
<i>Campground WiFi</i>							
1	na	na	na				
2	na	na	na				
3	na	na	na				
4	na	na	na				
5	na	na	na				
<i>5 GHz Channel</i>							
		18.2	3.07				
		17.95	2.8				
		17.18	2.57				
		16.4	2.2				
		12.06	1.58				
Mean =		16.36	2.44				
Median =		17.18	2.57				
<i>2.4 GHz Channel</i>							
		23.09	3.42				
		17.86	2.6				
		17.45	1.93				
		11.74	1.38				
		11.14	0.96				
Mean =		16.26	2.06				
Median =		17.45	1.93				
<i>DAILY MEAN</i>							
		18.2	3.07				
		17.95	2.8				
		17.18	2.57				
		16.4	2.2				
		12.06	1.58				
		23.09	3.42				
		17.86	2.6				
		17.45	1.93				
		11.74	1.38				
		11.14	0.96				
Mean =		16.31	2.25				

Test Done on 05/18/2019 9:00 AM @ Indian Flat Campground, El Portal, CA (HughesNET signal = 123)
 Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
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5 GHz Channel

1	621	1.11	0.29
2	612	0.8	0.77
3	1477	8.18	1.19
4	2568	13.77	1.42
5	4114	6.64	1.16

2.4 GHz Channel

1	952	5.6	1.52
2	714	8.57	1.89
3	804	3.3	2.69
4	712	16.61	1.51
5	714	12.48	1.97

Ethernet

1	2214	6.9	0.47
2	778	4.39	1.15
3	621	7.5	2.08
4	2297	4.61	2.18
5	592	10.71	0.83

Campground WiFi

1	na	na	na
2	na	na	na
3	na	na	na
4	na	na	na
5	na	na	na

5 GHz Channel

13.77	1.42
8.18	1.19
6.64	1.16
1.11	0.77
0.8	0.29

Mean = **6.10** **0.97**
 Median = **6.64** **1.16**

2.4 GHz Channel

16.61	2.69
12.48	1.97
8.57	1.89
5.6	1.52
3.3	1.51

Mean = **9.31** **1.92**
 Median = **8.57** **1.89**

Ethernet

10.71	2.18
7.5	2.08
6.9	1.15
4.61	0.83
4.39	0.47

Mean = **6.82** **1.34**
 Median = **6.90** **1.15**

DAILY MEAN

13.77	1.42
8.18	1.19
6.64	1.16
1.11	0.77
0.8	0.29
16.61	2.69
12.48	1.97
8.57	1.89
5.6	1.52
3.3	1.51

Mean = **7.71** **1.44**

HEAVY OVERCAST/RAINING

Ping values in ms. Upload and Download Values in Mbps. Speedof.me used for all tests except where noted.

<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>	<u>Test</u>	<u>Ping</u>	<u>Download</u>	<u>Upload</u>
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5 GHz Channel

1	781	8.93	1.9
2	1976	9.78	0.92
3	1584	0.2	0.15
4	1727	0.78	0.56
5	884	5.28	1.5

2.4 GHz Channel

1	715	12.84	1.5
2	696	4.6	1.46
3	825	7.19	2.08
4	714	6.47	1.24
5	1195	7.53	0.44

Ethernet

1	1385	6.89	1.26
2	713	3.44	0.28
3	1362	2.04	1.93
4	624	3.18	3.65
5	701	8.56	1.12

Campground WiFi

1	na	na	na
2	na	na	na
3	na	na	na
4	na	na	na
5	na	na	na

5 GHz Channel

9.78	1.9
8.93	1.5
5.28	0.92
0.78	0.56
0.2	0.15

Mean = 4.99 1.01
Median = 5.28 0.92

2.4 GHz Channel

12.84	2.08
7.53	1.5
7.19	1.46
6.47	1.24
4.6	0.44

Mean = 7.73 1.34
Median = 7.19 1.46

Ethernet

8.56	3.65
6.89	1.93
3.44	1.26
3.18	1.12
2.04	0.28

Mean = 4.82 1.65
Median = 3.44 1.26

DAILY MEAN

9.78	1.9
8.93	1.5
5.28	0.92
0.78	0.56
0.2	0.15
12.84	2.08
7.53	1.5
7.19	1.46
6.47	1.24
4.6	0.44

Mean = 6.36 1.18