Wireless Coverage Site Survey

Skyview, Eagle

Project	Eagle Cell Tower													
Address	Sky View Ln., Eagle ID, 83616													
Contact	Hank													
Email	hank@hdpacific.com													
Phone	208-370-3388													
Name	Location		Date-Time											
Skyview Ln. In front of Tower	43.7191607896(	-116.369487(	06/17/2021 6:18pm											
Carrier	Technology	Band	DL Frequenc	RSSI (dBm)	RSRQ/ECIO(dB)	RSRP/RSCP(dBm)	MCC	MNC	TAC/LAC	PCID/SC	CID	Status	Latitude	Longitude
AT&T Mobility	3G	5	876.4	-67	-9	-76	310	410	43998	241	20186675	CELL_SUITABLE	43.7023	-116.339
AT&T Mobility	3G	5	871.8	-84	-9	-93	310	410	45988	289	20841839	CELL_SUITABLE	43.6096	-116.4167
AT&T Mobility	4G	2	1980	-71	-11	-102	310	410	38656	197	110349066	CELL_SUITABLE	43.7072	-116.3996
AT&T Mobility	4G	4	2125	-76	-12	-105	310	410	38656	197	110349080	CELL_SUITABLE		
T-Mobile	3G	2	1952.2	-74	-4	-78	310	260	5098	76	48256380	CELL_SUITABLE		
T-Mobile	4G	2	1937.5	-71	-13	-103	310	260	10798	491	45550350	CELL_SUITABLE	43.7103	-116.3542
T-Mobile	4G	4	2145	-71	-11	-102	310	260	10798	491	45550340	CELL_SUITABLE	43.6975	-116.3379
T-Mobile	4G	12	731.5	-75	-13	-102	310	260	10798	103	47497749	CELL_SUITABLE		
Verizon Wireless	4G	13	751	-38	-11	-66	311	480	2817	450	2951425	CELL_SUITABLE		
Verizon Wireless	4G	13	751	-38	-15	-70	311	480	2817	452	2951427	CELL_SUITABLE		
Verizon Wireless	4G	2	1967.5	-38	-9	-61	311	480	2817	452	79751458	CELL_SUITABLE		
Verizon Wireless	4G	4	2115	-36	-8	-61	311	480	2817	452	79751456	CELL_SUITABLE		
Verizon Wireless	4G	4	2115	-35	-14	-66	311	480	2817	450	79751436	CELL_SUITABLE		
Verizon Wireless	4G	4	2132.5	-38	-8	-60	311	480	2817	452	79751457	CELL_SUITABLE		
Verizon Wireless	4G	4	2132.5	-38	-12	-64	311	480	2817	450	79751437	CELL_SUITABLE		
Verizon Wireless	4G	5	885	-38	-8	-63	311	480	2817	452	2951462	CELL_SUITABLE		
Verizon Wireless	4G	5	885	-39	-12	-68	311	480	2817	450	2951442	CELL_SUITABLE		
Name	Location		Date-Time											
Hanks yard 600yd away	43.7164591765(	-116.363878(	06/16/2021 5:04pm											
Carrier	Technology	Band	DL Frequenc	RSSI (dBm)	RSRQ/ECIO(dB)	RSRP/RSCP(dBm)	MCC	MNC	TAC/LAC	PCID/SC	CID	Status	Latitude	Longitude
AT&T Mobility	3G	5	876.4	-83	-11	-94	310	410	43998	241	20186675	CELL_SUITABLE	43.7023	-116.339
AT&T Mobility	3G	5	1947.5	-91	-11	-102	310	410	43998	393	20187374	CELL_SUITABLE	43.7248	-116.2968
AT&T Mobility	4G	2	1980	-80	-13	-113	310	410	38656	234	110359304	CELL_SUITABLE		
T-Mobile	3G	2	1952.2	-89	-9	-98	310	260	5098	433	48269761	CELL_SUITABLE		
T-Mobile	4G	2	1937.5	-80	-12	-111	310	260	10798	491	45550350	CELL_SUITABLE	43.7103	-116.3542
T-Mobile	4G	4	2145	-80	-11	-111	310	260	10798	491	45550340	CELL_SUITABLE	43.6975	-116.3379

Verizon Wireless	4G	13	751	-48	-7	-72	311	480	2817	450	2951425	CELL_SUITABLE		
Verizon Wireless	4G	2	1957.5	-83	-12	-109	311	480	2817	97	2951425	CELL_SUITABLE		
Verizon Wireless	4G	2	1957.5	-83	-15	-112	311	480	2817	127	2951425	CELL_SUITABLE		
Verizon Wireless	4G	2	1967.5	-52	-7	-73	311	480	2817	450	79751438	CELL_SUITABLE		
Verizon Wireless	4G	4	2132.5	-64	-7	-85	311	480	2817	450	79751437	CELL_SUITABLE		
Verizon Wireless	4G	4	2115	-60	-7	-84	311	480	2817	450	79751436	CELL_SUITABLE		
Verizon Wireless	4G	5	885	-49	-7	-73	311	480	2817	450	2951442	CELL_SUITABLE		

It has been my experience that RSSI levels greater that -80 dBm wreak havoc on my health (Afib, Heart palpitations, fatigue, ringing of the ears, headaches, trouble sleeping) -30 dBm is extremely high, all levels of RF radiation have been scientifically proven to cause biological harm

Notice how much higher Verizon is that AT&T and T Moble. Not good.

What is Good Signal Strength for a Cell Phone?

The strength of a cellular signal can be accurately measured using decibel milliwatts, or dBms. Signal strength in dBms is expressed as a negative number and typically falls into a range that spans from -30 dBm to -110 dBm, with numbers closer to zero expressing stronger cellular signals. Essentially, this means that -77 dBm is a stronger signal than -86 dBm.

Signals better than -85 decibels are considered usable and strong, and you'll rarely see a signal stronger than -50 dBm. At the other end of the spectrum, a signal that's weaker than -100 dBm is likely too problematic to be useful — resulting in dropped calls and incomplete data transmissions.