



	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795
Cell0	-10.1319	-9.73628	-9.44121	-9.15468	-8.78491	-8.33774	-7.9249	-7.40622	-7.0618	-6.95649	-6.94298	-7.1444	-7.37277	-7.15518	-6.71882	-6.17658	-5.55877	-5.00106	-4.49213	-3.92061
Cell1	-3.75899	-3.39141	-3.0609	-2.6275	-2.04076	-1.50585	-1.18704	-0.92575	-0.76816	-0.69438	-0.68503	-0.9421	-1.362	-1.50572	-1.63671	-1.81386	-1.94049	-2.04022	-2.17336	-2.16717
Cell2	-12.2488	-11.3662	-10.5548	-9.88983	-9.31693	-8.85288	-8.39705	-7.77709	-7.20284	-6.73666	-6.32126	-6.14679	-6.17564	-5.92654	-5.56557	-5.12959	-4.54273	-4.05644	-3.68487	-3.26309
Cell3	-7.30544	-7.0066	-6.53107	-5.95169	-5.31097	-4.74754	-4.49638	-4.35023	-4.2776	-4.18747	-4.00653	-4.07549	-4.34993	-4.43635	-4.49904	-4.46826	-4.3079	-4.20434	-4.21804	-4.20697
Cell4	-6.44551	-5.96952	-5.3895	-4.72661	-4.03151	-3.47959	-3.12405	-2.73314	-2.41765	-2.19716	-2.06423	-2.21571	-2.5356	-2.63085	-2.77652	-2.98952	-3.19593	-3.53195	-3.95001	-4.31517
Cell5	-23.3971	-23.4972	-23.3947	-23.2195	-22.9732	-22.7523	-22.5863	-22.3318	-22.244	-22.2801	-22.2727	-22.2859	-22.1222	-21.4432	-20.7051	-20.1578	-19.9283	-20.2227	-20.336	-19.7697
	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	
Wifi2.4G_0	-0.00683	-0.02616	0.073629	0.198614	0.347075	0.449171	0.430808	0.389084	0.378287	0.445387	0.567515	0.687222	0.771516	0.74838	0.675507	0.601093	0.557505	0.577784	0.65625	
Wifi2.4G_1	-0.07726	-0.17578	-0.21633	-0.24108	-0.19025	-0.12324	-0.12345	-0.13625	-0.15069	-0.11368	-0.03441	0.054541	0.13476	0.154375	0.155916	0.169121	0.208777	0.301703	0.423657	
Wifi5G_0																				
Wifi5G_1																				
Wifi5G_2																				
Wifi5G_3																				

Antenna Name	Band(standalone)	type
Cell-ANT0	LB B5 TRx0 MB B2,B66 TRx1	PIFA
Cell-ANT1	LB B5,B13 DRX MB B2,B66 TRx0	Dipole
Cell-ANT2	LB , MB, B48, n77 RX2	Monopole
Cell-ANT3	LB, MB, B48, n77 RX3	PIFA
Cell-ANT4	LB B13-TRx0, B48 TRX0 N77 TRX1	Monopole
Cell-ANT5	n77 TRX0	Dipole

Cell 0: PIFA
Cell 1: Dipole
Cell 2:Monopole
Cell 3: PIFA
Cell 4: Monopole
Cell 5: Dipole
wifi antenna type :dipole



800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955
-3.33196	-3.07806	-2.86308	-2.83822	-2.9143	-3.01352	-3.17267	-3.22014	-2.98385	-2.71831	-2.41266	-2.20336	-2.03443	-1.98617	-1.96266	-1.81833	-1.72409	-1.53927	-1.40751	-1.27431	-1.31217	-1.30103	-1.35461	-1.43881	-1.58666	-1.84519	-2.18497	-2.46553	-2.88691	-3.11377	-3.42616	-3.87527
-2.09927	-2.26535	-2.34346	-2.46285	-2.55032	-2.54176	-2.55035	-2.50802	-2.37209	-2.40931	-2.46323	-2.56983	-2.60249	-2.6661	-2.74898	-2.77322	-2.90289	-2.94479	-2.96907	-2.94266	-3.04655	-3.16398	-3.42957	-3.71397	-3.86685	-3.84744	-3.71369	-3.47183	-3.45478	-3.36471	-3.40618	-3.49882
-2.76319	-2.4262	-2.01116	-1.73346	-1.58103	-1.47935	-1.46357	-1.43059	-1.28602	-1.29761	-1.35422	-1.474	-1.52892	-1.65035	-1.85462	-2.03087	-2.31208	-2.50477	-2.66575	-2.77467	-3.03154	-3.26899	-3.6127	-4.00361	-4.34245	-4.5924	-4.78341	-4.89742	-5.22187	-5.46432	-5.79008	-6.11173
-4.1421	-4.25082	-4.23441	-4.26002	-4.32916	-4.45383	-4.68962	-4.91779	-4.99359	-5.12811	-5.2281	-5.39946	-5.60758	-5.97859	-6.43358	-6.77786	-7.11688	-7.29236	-7.47046	-7.64485	-7.90953	-8.00235	-8.06307	-8.07389	-8.0302	-7.95999	-7.87395	-7.71186	-7.72285	-7.52294	-7.38571	-7.38476
-4.58728	-5.09813	-5.55806	-6.05265	-6.49886	-6.80226	-7.03962	-7.16812	-7.04638	-6.94309	-6.75802	-6.59082	-6.39734	-6.30932	-6.36443	-6.50447	-6.87028	-7.23739	-7.5752	-7.73916	-7.9022	-7.90875	-8.01589	-8.24124	-8.62686	-9.13389	-9.59499	-9.86895	-10.2272	-10.4672	-10.9076	-11.5579
-18.8659	-18.0889	-17.4469	-17.1346	-16.893	-16.5366	-16.2372	-15.835	-15.448	-15.5868	-16.1019	-16.9098	-17.6931	-18.402	-18.9744	-19.2848	-19.5807	-19.687	-19.7395	-19.6924	-19.6946	-19.5426	-19.4556	-19.4921	-19.5887	-19.6605	-19.66	-19.4664	-19.3771	-19.197	-19.1972	-19.3139
5000	5020	5040	5060	5080	5100	5120	5140	5160	5180	5200	5220	5240	5260	5280	5300	5320	5340	5360	5380	5400	5420	5440	5460	5480	5500	5520	5540	5560	5580	5600	5620
-1.22971	-1.08896	-1.24168	-1.00021	-1.16355	-1.13129	-1.34465	-1.10216	-1.3223	-1.07732	-1.19972	-1.03706	-1.25458	-1.10256	-1.35917	-1.10557	-1.24559	-1.15968	-1.29753	-1.24169	-1.21928	-1.31341	-1.1754	-1.43955	-1.46485	-1.64397	-1.54569	-1.66425	-1.77832	-1.86067	-2.11723	-1.85813
-1.54123	-1.8944	-2.4251	-2.15871	-3.12475	-2.7524	-3.84499	-2.93367	-3.99669	-3.48623	-3.72685	-3.32907	-2.84288	-2.90302	-2.21837	-2.40354	-1.51702	-1.76137	-1.339	-1.33289	-1.05565	-0.84394	-1.02973	-0.72203	-1.31804	-0.74988	-1.29993	-0.81092	-1.49788	-1.44545	-2.01771	-2.1587
-1.95207	-1.80575	-1.93408	-1.6694	-1.92863	-1.7222	-2.18592	-1.68217	-2.09705	-1.68187	-1.93192	-1.73818	-1.87365	-1.9778	-2.03837	-2.14098	-1.49412	-1.72214	-2.00952	-1.93006	-1.94557	-1.78856	-1.7236	-1.77309	-1.7982	-1.84016	-1.59578	-1.59952	-1.53896	-1.72438	-1.79523	-1.60258
-1.36818	-1.3633	-1.62318	-1.29169	-1.76082	-1.43346	-2.0864	-1.53562	-1.97741	-1.59466	-1.74277	-1.58089	-1.46469	-1.53847	-1.3252	-1.39598	-1.22018	-1.30881	-1.28952	-1.19368	-1.07366	-0.87331	-0.82525	-0.80464	-0.97452	-0.79029	-0.69056	-0.49184	-0.64175	-0.63998	-0.76969	-0.64294

[illegible]



2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	3200	3220	3240	3260	3280	3300	3320
-2.05768	-2.17592	-2.10938	-2.12794	-2.21451	-2.16915	-2.05924	-2.20293	-2.21308	-2.06044	-2.08024	-2.13681	-2.08724	-1.96014	-2.00476	-2.05419	-2.0191	-2.00101	-2.04135	-2.08361	-1.91988	-1.93626	-2.17995	-2.4683	-2.47356	-6.36923	-7.06389	-8.16224	-8.64375	-9.7901	-10.3611	-11.5064
-0.47528	-0.54944	-0.48308	-0.40385	-0.32201	-0.22286	-0.16167	0.090419	0.063289	0.129915	0.107695	0.156818	0.109476	0.12158	0.095847	-0.0123	-0.10416	-0.10883	-0.1736	-0.29281	-0.13922	-0.12414	-0.3518	-0.54024	-0.40991	-2.91393	-3.33751	-3.07184	-3.12868	-2.81571	-2.53949	-2.35282
-1.71333	-1.70717	-1.62433	-1.46798	-1.4606	-1.55143	-1.45286	-1.4961	-1.73527	-1.83187	-1.93208	-2.17582	-2.44608	-2.48085	-2.62641	-2.95516	-3.06174	-2.97326	-3.04807	-3.03404	-2.59251	-2.43414	-2.60515	-2.66374	-2.43538	-2.81878	-2.60376	-2.86655	-2.75433	-2.99551	-3.22171	-3.46392
-2.75714	-2.81186	-2.7727	-2.43608	-2.25829	-2.22569	-1.95015	-1.85442	-1.95913	-1.89712	-1.85709	-1.92361	-2.02092	-1.92036	-1.87397	-1.99164	-2.04456	-1.97167	-2.04676	-2.24658	-2.12497	-2.14942	-2.46439	-2.71557	-2.6434	-3.96647	-4.3555	-3.96634	-4.11172	-3.74236	-3.69466	-3.34433
-3.98195	-3.92801	-4.1616	-3.88503	-3.27976	-3.28682	-3.28998	-3.03389	-2.70111	-2.74028	-2.73152	-2.3909	-2.3334	-2.54745	-2.50175	-2.25698	-2.42106	-2.61664	-2.35087	-2.19683	-2.39816	-2.58562	-2.4977	-2.75748	-3.08994	-0.62258	-0.89972	-0.77542	-1.01018	-0.95459	-1.21819	-1.12545
-10.0622	-9.76986	-9.15681	-7.84965	-7.84934	-7.94878	-7.48898	-7.10847	-7.26428	-7.13276	-6.84095	-6.83579	-6.98334	-6.811	-6.69264	-6.81868	-6.64923	-6.18332	-5.9672	-5.74777	-5.01449	-4.55687	-4.53584	-4.43243	-4.15248	-2.03574	-1.98157	-1.99219	-2.11776	-2.05648	-2.28304	-2.11032



										VZW B48 Channel										VZW n77 Channel											
3340	3360	3380	3400	3420	3440	3460	3480	3500	3520	3540	3560	3580	3600	3620	3640	3660	3680	3700	3720	3740	3760	3780	3800	3820	3840	3860	3880	3900	3920	3940	3960
-12.1747	-13.116	-14.2699	-14.8239	-16.0662	-16.1998	-17.2713	-17.2046	-18.393	-18.3005	-19.065	-19.2968	-19.7972	-20.4495	-20.6076	-21.4998	-21.271	-22.1679	-21.8705	-22.7347	-22.6764	-23.0714	-23.0585	-23.0733	-23.975	-24.1426	-25.0476	-24.6184	-25.7459	-25.3806	-26.088	-25.6456
-2.10041	-2.04688	-2.18496	-1.99865	-2.30979	-1.97731	-2.23656	-2.05874	-2.13727	-2.18921	-1.9993	-2.23348	-1.98389	-1.92834	-1.85617	-1.7621	-1.98408	-2.09173	-2.49097	-2.81206	-2.66054	-2.76832	-2.24869	-2.12711	-1.86352	-1.89839	-2.01846	-1.76141	-3.15706	-2.40939	-2.34255	-2.00891
-3.97125	-3.89754	-4.55382	-4.19443	-4.57115	-4.15224	-4.30146	-3.9402	-3.91154	-3.7989	-3.62101	-3.86149	-3.6209	-3.77181	-3.42128	-3.40547	-3.09811	-2.92848	-2.87391	-2.72537	-2.76568	-2.63405	-2.58771	-2.50353	-2.42714	-2.36587	-2.29239	-2.22062	-2.36699	-2.25259	-2.49479	-2.235
-3.14741	-2.85241	-2.5898	-2.43634	-2.38869	-2.25819	-2.3252	-2.24857	-2.4226	-2.34594	-2.67229	-2.55827	-2.91604	-3.0326	-3.15735	-3.41308	-3.23516	-3.58692	-3.15781	-3.23984	-2.90774	-2.86917	-2.98871	-2.85984	-3.19733	-3.01731	-3.22488	-3.06582	-3.14991	-3.1402	-2.98117	-2.9905
-1.35109	-1.16631	-1.13989	-1.07454	-1.00386	-1.11676	-1.12117	-1.23471	-1.05494	-1.2269	-1.20313	-1.2444	-1.18935	-1.04092	-1.01311	-0.93551	-1.02755	-0.85709	-1.0104	-0.88575	-1.06378	-0.97936	-1.04683	-0.96313	-0.90405	-0.84079	-0.77885	-0.72235	-0.73313	-0.70932	-0.77415	-0.67148
-2.31201	-2.01055	-2.00293	-1.79314	-1.7997	-1.72702	-1.87614	-1.79714	-1.91281	-1.81224	-1.86842	-1.89977	-1.9223	-1.96284	-1.91759	-2.00091	-1.94412	-2.03008	-1.868	-1.96694	-2.09189	-2.30133	-2.33642	-2.31693	-2.12156	-2.11859	-2.23446	-2.19621	-2.4475	-2.4144	-2.64935	-2.51218



3980	4000	4020	4040	4060	4080	4100	4120	4140	4160	4180	4200	4220	4240	4260	4280	4300
-25.6818	-25.5635	-25.5219	-25.7342	-25.0649	-25.2106	-24.5926	-25.0288	-24.0588	-24.0606	-23.3524	-23.1395	-22.774	-22.6383	-23.0156	-22.6942	-23.6487
-2.05678	-2.12893	-2.13194	-2.47691	-2.47629	-2.89264	-2.84841	-2.94447	-2.92889	-2.80266	-3.06561	-2.96837	-3.27878	-3.40434	-3.61049	-3.94946	-3.76606
-2.54219	-2.30843	-2.73702	-2.7729	-3.06615	-3.2552	-3.39734	-3.9766	-3.84259	-4.43684	-4.15256	-4.62035	-4.38615	-4.63644	-4.36586	-4.33831	-4.5014
-2.89169	-2.76526	-2.70436	-2.5677	-2.61754	-2.45107	-2.42065	-2.33914	-2.24194	-2.30619	-2.10385	-2.16754	-2.03575	-2.12402	-1.94339	-1.94459	-1.8677
-0.75283	-0.59708	-0.67575	-0.65005	-0.72996	-0.83153	-0.8396	-1.02056	-0.89781	-1.036	-0.96603	-0.99923	-0.99759	-0.9893	-1.12241	-1.00007	-1.2087
-2.64053	-2.6275	-2.70244	-2.81446	-2.84744	-2.9763	-2.99057	-3.051	-3.04733	-3.06671	-3.12757	-3.24653	-3.31716	-3.46944	-3.36111	-3.44284	-3.25763