FPGA_7.2.4 性能回归测试

_BT_V1.1

版本 7.2.4_CHIP7.2.4_M1-FPGA-TMP-AUX_CON_RSP_d8cab62a_ver1.0.3.3_zxu_xilinx-vcu118_fmc-ver.b_2020-0115-0342-57_xilinx-80m-0_wifimac-eec6_wifibb-d747_btmac-5ef7_btbb-e47a_prob

更新日期 20200121

1. 包类型

每种速率分别有 10 种包。

Test run	Carrier frequency offset	Modulation index	Symbol timing error
1	100kHz	0.45	-50ppm
2	19kHz	0.48	-50ppm
3	-3kHz	0.46	+50ppm
4	1kHz	0.52	+50ppm
5	52kHz	0.53	+50ppm
6	0kHz	0.54	-50ppm
7	-56kHz	0.47	-50ppm
8	97kHz	0.5	-50ppm
9	-25kHz	0.45	-50ppm
10	-100kHz	0.55	+50ppm

2. 灵敏度总结

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
包类型 4												
1M												
2402MHz	-96dBm	1000	985	882	0.118	0	0.015	0.104569	-100.645685	-24.273096	-22.175635	76.445685
2440MHz	-96dBm	1000	952	753	0.247	1	0.048	0.209034	-100.454832	-24.25105	-22.245798	76.179622
2480MHz	-95dBm	1000	961	862	0.138	0	0.039	0.103018	-98.848075	-23.796046	-21.653486	75.058273

2M												
2402MHz	-92dBm	1000	932	799	0.201	1	0.068	0.142704	-99.290773	-25.579399	-21.095494	73.774678
2440MHz	-92dBm	1000	922	784	0.216	1	0.078	0.149675	-99.091106	-25.708243	-21.239696	73.467462
2480MHz	-92dBm	1000	910	738	0.262	1	0.09	0.189011	-98.471429	-25.645055	-21.312088	72.816484
500k												
2402MHz	-100dBm	1000	990	813	0.187	0	0.01	0.178788	-104.818182	-25.747475	-20.09596	87.09899
2440MHz	-99dBm	1000	996	831	0.169	0	0.004	0.165663	-103.592369	-24.936747	-20.374498	86.10241
2480MHz	-98dBm	1000	990	855	0.145	0	0.01	0.136364	-102.072727	-24.541414	-20.165657	85.538384
125k												
2402MHz	-104dBm	1000	956	887	0.113	0	0.044	0.072176	-108.029289	-25.492678	-19.969665	87.036611
2440MHz	-103dBm	1000	923	703	0.297	1	0.077	0.238353	-106.892741	-24.826652	-20.167931	86.052004
2480MHz	-101dBm	1000	945	836	0.164	0	0.055	0.115344	-104.707937	-25.046561	-20.269841	85.100529
包类型 1												
1M												
2402MHz	-94dBm	1000	964	768	0.232	1	0.036	0.20332	-98.676349	-23.602697	-21.70332	75.109959
2440MHz	-93dBm	1000	984	828	0.172	0	0.016	0.158537	-97.484756	-23.65752	-21.602642	73.904472
2480MHz	-93dBm	1000	980	775	0.225	1	0.02	0.209184	-96.881633	-23.609184	-21.773469	73.34898
2M												
2402MHz	-92dBm	1000	921	776	0.224	1	0.079	0.157438	-99.310532	-25.697068	-21.245385	73.697068
2440MHz	-92dBm	1000	928	791	0.209	1	0.072	0.147629	-99.109914	-25.751078	-21.341595	73.40625
2480MHz	-92dBm	1000	910	738	0.262	1	0.09	0.189011	-98.471429	-25.645055	-21.312088	72.816484
500k												
2402MHz	-98dBm	1000	983	838	0.162	0	0.017	0.147508	-102.826043	-25.866734	-20.166836	87.029502
2440MHz	-98dBm	1000	988	706	0.294	1	0.012	0.285425	-102.551619	-25.039474	-20.225709	86.286437
2480MHz	-97dBm	1000	971	736	0.264	1	0.029	0.242019	-101.072091	-24.829042	-20.499485	85.268795
125k												
2402MHz	-103dBm	1000	781	713	0.287	1	0.219	0.087068	-107.408451	-25.147247	-20.161332	86.239437
2440MHz	-101dBm	1000	941	897	0.103	0	0.059	0.046759	-105.463337	-24.583422	-20.190223	86.036132
2480MHz	-100dBm	1000	911	785	0.215	1	0.089	0.13831	-104.003293	-24.852909	-20.25247	85.144896

3. RX PER 测试数据（包类型 4）

3.1. 速率 1M

3.1.1. 速率 1M 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	4	0	1	1	0.996	1	-107.75	-22.25	-25	78
2402MHz	-104dBm	1000	13	0	1	1	0.987	1	-107.846154	-22.692308	-25.230769	77.923077
2402MHz	-103dBm	1000	31	0	1	1	0.969	1	-106.967742	-22.516129	-26.129032	77.967742
2402MHz	-102dBm	1000	88	0	1	1	0.912	1	-106.215909	-22.556818	-25.75	77.943182
2402MHz	-101dBm	1000	181	0	1	1	0.819	1	-105.40884	-24.176796	-24.834254	77.856354
2402MHz	-100dBm	1000	295	9	0.991	1	0.705	0.969492	-104.40339	-25.854237	-24.613559	77.542373
2402MHz	-99dBm	1000	514	77	0.923	1	0.486	0.850195	-103.457198	-25.935798	-23.902724	77.175097
2402MHz	-98dBm	1000	819	365	0.635	1	0.181	0.554335	-102.557998	-25.561661	-23.37851	76.95116
2402MHz	-97dBm	1000	941	669	0.331	1	0.059	0.289054	-101.652497	-24.811902	-22.709883	76.743889
2402MHz	-96dBm	1000	985	882	0.118	0	0.015	0.104569	-100.645685	-24.273096	-22.175635	76.445685
2402MHz	-95dBm	1000	993	956	0.044	0	0.007	0.037261	-99.6143	-23.846928	-21.67573	75.811682
2402MHz	-94dBm	1000	998	982	0.018	0	0.002	0.016032	-98.60521	-23.614228	-21.501002	74.98998
2402MHz	-93dBm	1000	998	996	0.004	0	0.002	0.002004	-97.607214	-23.597194	-21.566132	74.041082
2402MHz	-92dBm	1000	1000	994	0.006	0	0	0.006	-96.708	-23.611	-21.546	73.14
2402MHz	-91dBm	1000	1000	996	0.004	0	0	0.004	-95.705	-23.531	-21.461	72.187
2402MHz	-90dBm	1000	996	995	0.005	0	0.004	0.001004	-94.661647	-23.493976	-21.472892	71.208835
2402MHz	-89dBm	1000	998	996	0.004	0	0.002	0.002004	-93.554108	-23.357715	-21.334669	70.211423
2402MHz	-88dBm	1000	1000	997	0.003	0	0	0.003	-92.097	-22.885	-20.799	69.178
2402MHz	-87dBm	1000	1000	999	0.001	0	0	0.001	-90.923	-22.703	-20.659	68.174
2402MHz	-86dBm	1000	999	999	0.001	0	0.001	0	-89.937938	-22.666667	-20.585586	67.236236
2402MHz	-85dBm	1000	1000	998	0.002	0	0	0.002	-88.898	-22.6	-20.522	66.201
2402MHz	-84dBm	1000	1000	1000	0	0	0	0	-87.902	-22.641	-20.555	65.185
2402MHz	-83dBm	1000	1000	999	0.001	0	0	0.001	-87.279	-23.12	-21.021	64.223
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-86.284	-23.232	-21.131	63.212
2402MHz	-81dBm	1000	1000	1000	0	0	0	0	-85.127	-23.164	-21.107	62.143
2402MHz	-80dBm	1000	1000	1000	0	0	0	0	-84.063	-23.137	-21.064	61.15
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-82.674	-22.935	-20.704	59.676
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-81.908	-22.817	-20.543	58.935
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-80.911	-22.991	-20.901	57.751

2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-79.663	-23.361	-21.58	56.182
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-78.62	-23.319	-21.461	55.212
2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-77.957	-23.663	-21.873	54.312
2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-77.001	-23.525	-21.772	53.537
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-76.002	-23.374	-21.578	52.636
2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-75	-23.239	-21.377	51.748
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-74.001	-23.208	-21.433	50.799
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-73.055	-23.328	-21.711	49.877
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-72.066	-23.266	-21.621	48.914
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-71.018	-23.146	-21.425	47.977
2402MHz	-66dBm	1000	1000	1000	0	0	0	0	-70	-23.045	-21.177	46.978
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-68.998	-23.009	-21.12	45.996
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-67.873	-22.554	-20.886	44.998
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-66.913	-22.627	-20.946	43.997
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-65.993	-22.745	-20.99	42.998
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-64.987	-22.679	-20.992	42
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-63.836	-22.547	-20.957	41

3.1.2. 速率 1M 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	4	0	1	1	0.996	1	-108.75	-22	-26	78
2440MHz	-104dBm	1000	31	0	1	1	0.969	1	-107.16129	-22.516129	-27.387097	77.967742
2440MHz	-103dBm	1000	55	0	1	1	0.945	1	-106.690909	-23.581818	-25.218182	77.945455
2440MHz	-102dBm	1000	133	0	1	1	0.867	1	-105.691729	-24.067669	-25.255639	77.924812
2440MHz	-101dBm	1000	214	0	1	1	0.786	1	-104.96729	-24.901869	-25.009346	77.808411
2440MHz	-100dBm	1000	337	1	0.999	1	0.663	0.997033	-104.160237	-25.637982	-24.21365	77.462908
2440MHz	-99dBm	1000	507	19	0.981	1	0.493	0.962525	-103.209073	-25.769231	-23.919132	77.106509
2440MHz	-98dBm	1000	722	147	0.853	1	0.278	0.796399	-102.411357	-25.168975	-22.955679	76.83795
2440MHz	-97dBm	1000	887	443	0.557	1	0.113	0.500564	-101.410372	-24.612176	-22.57159	76.565953
2440MHz	-96dBm	1000	952	753	0.247	1	0.048	0.209034	-100.454832	-24.25105	-22.245798	76.179622
2440MHz	-95dBm	1000	985	900	0.1	0	0.015	0.086294	-99.479188	-24.028426	-21.902538	75.528934
2440MHz	-94dBm	1000	997	967	0.033	0	0.003	0.03009	-98.431294	-23.645938	-21.706118	74.724173
2440MHz	-93dBm	1000	1000	989	0.011	0	0	0.011	-97.451	-23.582	-21.577	73.862
2440MHz	-92dBm	1000	1000	996	0.004	0	0	0.004	-96.458	-23.433	-21.443	72.966
2440MHz	-91dBm	1000	1000	999	0.001	0	0	0.001	-95.436	-23.519	-21.46	71.957
2440MHz	-90dBm	1000	1000	1000	0	0	0	0	-94.398	-23.464	-21.376	70.995
2440MHz	-89dBm	1000	1000	1000	0	0	0	0	-93.211	-23.239	-21.252	69.975

2440MHz	-88dBm	1000	1000	1000	0	0	0	0	-91.783	-22.884	-20.801	68.938
2440MHz	-87dBm	1000	1000	1000	0	0	0	0	-90.749	-22.719	-20.657	67.959
2440MHz	-86dBm	1000	1000	1000	0	0	0	0	-89.679	-22.687	-20.59	66.968
2440MHz	-85dBm	1000	1000	1000	0	0	0	0	-88.624	-22.668	-20.614	65.966
2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-87.606	-22.734	-20.702	64.925
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-87.008	-23.183	-21.065	63.975
2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-86.017	-23.142	-21.065	62.982
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-85.008	-23.102	-20.997	61.984
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-83.932	-23.052	-20.915	60.955
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-82.128	-22.843	-20.531	59.47
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-81.157	-22.923	-20.735	58.396
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-80.416	-23.365	-21.395	57.117
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-79.17	-23.318	-21.43	55.984
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-78.239	-23.341	-21.542	54.99
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-77.827	-23.619	-21.801	54.168
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-76.976	-23.551	-21.744	53.302
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-75.941	-23.369	-21.611	52.371
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-74.916	-23.274	-21.544	51.423
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-73.997	-23.45	-21.644	50.457
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-73	-23.492	-21.72	49.474
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-72	-23.42	-21.563	48.509
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-70.994	-23.315	-21.472	47.571
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-69.989	-23.263	-21.41	46.593
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-68.652	-22.997	-21.103	45.647
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-67.102	-22.551	-20.713	44.669
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-66.122	-22.479	-20.689	43.767
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-65.339	-22.46	-20.753	42.899
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-64.234	-22.31	-20.626	41.967
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-63.064	-22.162	-20.402	40.98

3.1.3. 速率 1M 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-104dBm	1000	8	0	1	1	0.992	1	-106.125	-23.375	-24.5	78
2480MHz	-103dBm	1000	35	0	1	1	0.965	1	-105.742857	-24.142857	-24.714286	77.942857
2480MHz	-102dBm	1000	53	0	1	1	0.947	1	-105.075472	-24.150943	-24.924528	77.90566
2480MHz	-101dBm	1000	173	0	1	1	0.827	1	-104.236994	-25.456647	-24	77.647399

2480MHz	-100dBm	1000	325	1	0.999	1	0.675	0.996923	-103.52	-25.458462	-23.538462	77.356923
2480MHz	-99dBm	1000	545	23	0.977	1	0.455	0.957798	-102.622018	-25.104587	-23.12844	77.031193
2480MHz	-98dBm	1000	719	125	0.875	1	0.281	0.826147	-101.766342	-24.848401	-22.680111	76.681502
2480MHz	-97dBm	1000	849	389	0.611	1	0.151	0.541814	-100.85159	-24.522968	-22.369847	76.26384
2480MHz	-96dBm	1000	931	683	0.317	1	0.069	0.26638	-99.813104	-24.121375	-21.950591	75.72073
2480MHz	-95dBm	1000	961	862	0.138	0	0.039	0.103018	-98.848075	-23.796046	-21.653486	75.058273
2480MHz	-94dBm	1000	990	942	0.058	0	0.01	0.048485	-97.889899	-23.662626	-21.59596	74.274747
2480MHz	-93dBm	1000	991	978	0.022	0	0.009	0.013118	-96.854692	-23.557013	-21.445005	73.346115
2480MHz	-92dBm	1000	995	988	0.012	0	0.005	0.007035	-95.838191	-23.532663	-21.464322	72.394975
2480MHz	-91dBm	1000	1000	992	0.008	0	0	0.008	-94.85	-23.46	-21.446	71.368
2480MHz	-90dBm	1000	999	997	0.003	0	0.001	0.002002	-93.761762	-23.347347	-21.345345	70.447447
2480MHz	-89dBm	1000	997	997	0.003	0	0.003	0	-92.537613	-23.155466	-21.057172	69.399198
2480MHz	-88dBm	1000	998	998	0.002	0	0.002	0	-91.325651	-22.97495	-20.882766	68.493988
2480MHz	-87dBm	1000	1000	999	0.001	0	0	0.001	-90.248	-22.997	-20.933	67.424
2480MHz	-86dBm	1000	1000	1000	0	0	0	0	-89.196	-22.83	-20.672	66.492
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-88.132	-22.804	-20.743	65.482
2480MHz	-84dBm	1000	1000	1000	0	0	0	0	-87.646	-23.369	-21.215	64.397
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-87.018	-23.685	-21.547	63.434
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-86.005	-23.668	-21.543	62.403
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-84.994	-23.561	-21.5	61.442
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-83.44	-23.32	-21.046	60.239
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-82.27	-23.229	-20.872	59.181
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-81.354	-23.367	-21.232	58.112
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-80.636	-23.427	-21.514	57.144
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-79.553	-23.364	-21.476	56.168
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-78.311	-23.236	-21.453	55.135
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-77.638	-23.361	-21.606	54.216
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-76.683	-23.25	-21.507	53.321
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-75.515	-23.112	-21.385	52.364
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-74.432	-22.994	-21.311	51.45
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-73.84	-23.307	-21.59	50.462
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-72.999	-23.506	-21.762	49.446
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-71.996	-23.462	-21.653	48.451
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-70.984	-23.392	-21.586	47.468
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-69.951	-23.298	-21.498	46.497
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-68.633	-23.035	-21.142	45.604
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-67.239	-22.74	-20.917	44.599
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-66.31	-22.685	-20.906	43.684
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-65.512	-22.639	-20.908	42.835
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-64.406	-22.517	-20.802	41.882

2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-63.172	-22.39	-20.718	40.868

3.2. 速率 2M

3.2.1. 速率 2M 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2402MHz	-104dBm	1000	0	0	1	1	1	1	0	0	0	0
2402MHz	-103dBm	1000	0	0	1	1	1	1	0	0	0	0
2402MHz	-102dBm	1000	7	0	1	1	0.993	1	-108.428571	-22.142857	-24.714286	78
2402MHz	-101dBm	1000	17	0	1	1	0.983	1	-107.235294	-23.058824	-25.705882	77.882353
2402MHz	-100dBm	1000	47	0	1	1	0.953	1	-106.723404	-24.021277	-25.170213	77.893617
2402MHz	-99dBm	1000	97	0	1	1	0.903	1	-105.907216	-26.515464	-23.979381	77.618557
2402MHz	-98dBm	1000	187	0	1	1	0.813	1	-105.02139	-27.069519	-23.44385	77.31016
2402MHz	-97dBm	1000	330	15	0.985	1	0.67	0.954545	-104.230303	-27.090909	-22.657576	77.024242
2402MHz	-96dBm	1000	493	73	0.927	1	0.507	0.851927	-103.200811	-26.478702	-22.03854	76.791075
2402MHz	-95dBm	1000	616	249	0.751	1	0.384	0.595779	-102.274351	-26.00974	-21.451299	76.344156
2402MHz	-94dBm	1000	770	504	0.496	1	0.23	0.345455	-101.253247	-25.728571	-21.235065	75.516883
2402MHz	-93dBm	1000	863	652	0.348	1	0.137	0.244496	-100.276941	-25.682503	-21.170336	74.650058
2402MHz	-92dBm	1000	932	799	0.201	1	0.068	0.142704	-99.290773	-25.579399	-21.095494	73.774678
2402MHz	-91dBm	1000	966	883	0.117	0	0.034	0.085921	-98.328157	-25.699793	-21.28882	72.73706
2402MHz	-90dBm	1000	989	947	0.053	0	0.011	0.042467	-97.325581	-25.705763	-21.268959	71.757331
2402MHz	-89dBm	1000	994	964	0.036	0	0.006	0.030181	-96.22837	-25.588531	-21.225352	70.802817
2402MHz	-88dBm	1000	1000	986	0.014	0	0	0.014	-94.968	-25.315	-20.854	69.762
2402MHz	-87dBm	1000	999	994	0.006	0	0.001	0.005005	-93.585586	-24.886887	-20.369369	68.755756
2402MHz	-86dBm	1000	1000	997	0.003	0	0	0.003	-92.616	-24.81	-20.338	67.795
2402MHz	-85dBm	1000	1000	997	0.003	0	0	0.003	-91.487	-24.775	-20.247	66.824
2402MHz	-84dBm	1000	1000	999	0.001	0	0	0.001	-90.387	-24.694	-20.201	65.824
2402MHz	-83dBm	1000	1000	999	0.001	0	0	0.001	-89.489	-24.728	-20.18	64.884
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-89.008	-25.315	-20.575	63.909
2402MHz	-81dBm	1000	1000	1000	0	0	0	0	-88.003	-25.239	-20.537	62.907
2402MHz	-80dBm	1000	1000	1000	0	0	0	0	-87.001	-25.146	-20.451	61.939
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-85.952	-25.122	-20.46	60.931
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-84.177	-25.18	-20.26	59.277
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-83.207	-25.475	-20.714	58.013
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-82.024	-26.019	-21.61	56.328
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-81.011	-25.937	-21.376	55.26

2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-80.595	-26.238	-21.852	54.464
2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-79.925	-26.216	-21.853	53.708
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-78.991	-26.15	-21.781	52.804
2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-77.983	-26.067	-21.616	51.868
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-76.985	-26.016	-21.562	50.917
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-76	-26.064	-21.812	49.975
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-75	-26.061	-21.92	48.977
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-74	-26.01	-21.862	47.996
2402MHz	-66dBm	1000	1000	1000	0	0	0	0	-73	-25.998	-21.718	47.002
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-72	-26	-21.701	46
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-70.011	-25.346	-20.988	44.999
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-69.024	-25.419	-20.993	44
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-68.196	-25.583	-21.004	42.999
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-67.066	-25.493	-21	42
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-66.001	-25.252	-21	41

3.2.2. 速率 2M 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2440MHz	-104dBm	1000	1	0	1	1	0.999	1	-107	-22	-28	78
2440MHz	-103dBm	1000	2	0	1	1	0.998	1	-108.5	-22	-24.5	78
2440MHz	-102dBm	1000	3	0	1	1	0.997	1	-107.666667	-22.333333	-24.666667	78
2440MHz	-101dBm	1000	6	0	1	1	0.994	1	-107	-23.166667	-23.333333	78
2440MHz	-100dBm	1000	37	0	1	1	0.963	1	-106.324324	-24.72973	-24.864865	77.864865
2440MHz	-99dBm	1000	78	0	1	1	0.922	1	-105.448718	-25.820513	-24.153846	77.75641
2440MHz	-98dBm	1000	160	0	1	1	0.84	1	-104.55625	-25.7375	-22.89375	77.41875
2440MHz	-97dBm	1000	326	6	0.994	1	0.674	0.981595	-103.941718	-26.236196	-22.484663	76.91411
2440MHz	-96dBm	1000	460	38	0.962	1	0.54	0.917391	-103.013043	-25.830435	-21.93913	76.558696
2440MHz	-95dBm	1000	598	181	0.819	1	0.402	0.697324	-102.041806	-25.85786	-21.648829	76.018395
2440MHz	-94dBm	1000	755	406	0.594	1	0.245	0.462252	-101.015894	-25.635762	-21.287417	75.301987
2440MHz	-93dBm	1000	873	650	0.35	1	0.127	0.255441	-100.053837	-25.696449	-21.209622	74.408935
2440MHz	-92dBm	1000	922	784	0.216	1	0.078	0.149675	-99.091106	-25.708243	-21.239696	73.467462
2440MHz	-91dBm	1000	947	848	0.152	0	0.053	0.104541	-98.112988	-25.725449	-21.250264	72.461457
2440MHz	-90dBm	1000	988	937	0.063	0	0.012	0.051619	-97.075911	-25.654858	-21.265182	71.504049
2440MHz	-89dBm	1000	995	961	0.039	0	0.005	0.034171	-96.005025	-25.499497	-21.074372	70.571859
2440MHz	-88dBm	1000	1000	985	0.015	0	0	0.015	-94.637	-25.272	-20.762	69.486
2440MHz	-87dBm	1000	1000	996	0.004	0	0	0.004	-93.365	-24.956	-20.388	68.51

2440MHz	-86dBm	1000	999	994	0.006	0	0.001	0.005005	-92.258258	-24.883884	-20.362362	67.505506
2440MHz	-85dBm	1000	1000	999	0.001	0	0	0.001	-91.192	-24.81	-20.257	66.565
2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.082	-24.787	-20.255	65.487
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.492	-25.088	-20.382	64.518
2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-88.957	-25.372	-20.611	63.547
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-87.965	-25.342	-20.581	62.504
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-86.904	-25.303	-20.61	61.496
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-85.368	-25.271	-20.435	60.06
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-84	-25.231	-20.349	58.778
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-83.007	-26.108	-21.767	57.089
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-82	-26.001	-21.556	56.075
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-81.065	-25.99	-21.372	55.122
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-80.448	-26.249	-21.854	54.266
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-79.512	-26.263	-21.823	53.394
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-78.25	-26.076	-21.679	52.483
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-77.112	-25.969	-21.603	51.517
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-76.444	-25.976	-21.622	50.563
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-75.938	-26.306	-21.8	49.592
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-74.954	-26.225	-21.754	48.636
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-73.902	-26.109	-21.543	47.714
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-72.627	-25.993	-21.43	46.701
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-71.471	-25.809	-21.223	45.779
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-70	-25.209	-20.919	44.815
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-69	-25.153	-20.917	43.885
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-68	-25.09	-20.957	42.975
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-67	-25.03	-20.948	41.996
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-66	-25.003	-20.892	40.998

3.2.3. 速率 2M 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-104dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-103dBm	1000	1	0	1	1	0.999	1	-108	-22	-19	78
2480MHz	-102dBm	1000	2	0	1	1	0.998	1	-107.5	-22	-24.5	78
2480MHz	-101dBm	1000	4	0	1	1	0.996	1	-107	-22.75	-26	78
2480MHz	-100dBm	1000	27	0	1	1	0.973	1	-105.37037	-24.925926	-23.481481	77.666667
2480MHz	-99dBm	1000	63	0	1	1	0.937	1	-104.777778	-26.079365	-23.444444	77.587302

2480MHz	-98dBm	1000	162	0	1	1	0.838	1	-104.006173	-25.975309	-22.376543	77.222222
2480MHz	-97dBm	1000	280	1	0.999	1	0.72	0.996429	-103.307143	-25.85	-22.296429	76.875
2480MHz	-96dBm	1000	436	35	0.965	1	0.564	0.919725	-102.385321	-25.571101	-21.922018	76.243119
2480MHz	-95dBm	1000	587	147	0.853	1	0.413	0.749574	-101.425894	-25.505963	-21.555366	75.616695
2480MHz	-94dBm	1000	736	368	0.632	1	0.264	0.5	-100.509511	-25.644022	-21.22962	74.702446
2480MHz	-93dBm	1000	848	606	0.394	1	0.152	0.285377	-99.462264	-25.741745	-21.311321	73.761792
2480MHz	-92dBm	1000	918	756	0.244	1	0.082	0.176471	-98.5	-25.674292	-21.154684	72.812636
2480MHz	-91dBm	1000	963	855	0.145	0	0.037	0.11215	-97.470405	-25.647975	-21.212876	71.90135
2480MHz	-90dBm	1000	982	922	0.078	0	0.018	0.0611	-96.459267	-25.581466	-21.137475	71.021385
2480MHz	-89dBm	1000	991	948	0.052	0	0.009	0.043391	-95.332997	-25.462159	-20.926337	70
2480MHz	-88dBm	1000	993	973	0.027	0	0.007	0.020141	-94.053374	-25.283988	-20.698892	68.87714
2480MHz	-87dBm	1000	998	986	0.014	0	0.002	0.012024	-92.998998	-25.143287	-20.577154	67.930862
2480MHz	-86dBm	1000	999	989	0.011	0	0.001	0.01001	-92.004004	-25.073073	-20.542543	66.962963
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-90.981	-25.042	-20.498	65.99
2480MHz	-84dBm	1000	1000	999	0.001	0	0	0.001	-90.131	-25.199	-20.625	64.925
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.829	-25.831	-21.02	63.987
2480MHz	-82dBm	1000	1000	999	0.001	0	0	0.001	-88.932	-25.869	-21.098	62.992
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-87.898	-25.826	-21.074	62.006
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-86.794	-25.753	-21.059	60.979
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-85.028	-25.621	-20.57	59.59
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-84.004	-25.898	-21.24	58.316
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-83.041	-26.127	-21.656	57.237
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-82.018	-26.058	-21.643	56.242
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-81.01	-25.916	-21.395	55.236
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-80.045	-25.896	-21.599	54.404
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-79.042	-25.885	-21.549	53.496
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-78.005	-25.791	-21.526	52.475
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-77.009	-25.661	-21.414	51.545
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-76.385	-25.786	-21.575	50.551
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-75.915	-26.302	-21.895	49.583
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-74.913	-26.235	-21.756	48.591
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-73.815	-26.131	-21.633	47.646
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-72.56	-26.014	-21.481	46.672
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-71.421	-25.831	-21.294	45.773
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-70	-25.397	-21.009	44.761
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-69.001	-25.354	-21.049	43.8
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-68.001	-25.283	-21.028	42.918
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-67.017	-25.16	-20.977	41.992
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-66	-25.08	-20.958	40.956

3.3. 速率 500k

3.3.1. 速率 500k 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	523	0	1	1	0.477	1	-108.886538	-25.25	-20.123077	86.736538
2402MHz	-104dBm	1000	748	0	1	1	0.252	1	-108.103079	-25.559572	-20.02008	87.058902
2402MHz	-103dBm	1000	866	22	0.978	1	0.134	0.974596	-107.287529	-25.794457	-20.34642	87.10739
2402MHz	-102dBm	1000	939	164	0.836	1	0.061	0.825346	-106.504792	-25.657082	-20.470714	87.059638
2402MHz	-101dBm	1000	984	526	0.474	1	0.016	0.465447	-105.695122	-25.537602	-20.134146	87.195122
2402MHz	-100dBm	1000	990	813	0.187	0	0.01	0.178788	-104.818182	-25.747475	-20.09596	87.09899
2402MHz	-99dBm	1000	1000	918	0.082	0	0	0.082	-103.866	-25.782	-20.169	87.064
2402MHz	-98dBm	1000	1000	972	0.028	0	0	0.028	-102.914	-25.748	-20.177	87.01
2402MHz	-97dBm	1000	1000	982	0.018	0	0	0.018	-102.052	-25.496	-20.258	87.04
2402MHz	-96dBm	1000	1000	996	0.004	0	0	0.004	-101.067	-25.697	-20.22	87.071
2402MHz	-95dBm	1000	1000	996	0.004	0	0	0.004	-100.072	-25.862	-20.092	87.123
2402MHz	-94dBm	1000	1000	998	0.002	0	0	0.002	-99.097	-25.82	-20.19	87.09
2402MHz	-93dBm	1000	1000	1000	0	0	0	0	-98.14	-25.608	-20.145	87.083
2402MHz	-92dBm	1000	1000	1000	0	0	0	0	-97.208	-25.834	-20.152	86.94
2402MHz	-91dBm	1000	1000	998	0.002	0	0	0.002	-96.272	-25.729	-20.14	87.155
2402MHz	-90dBm	1000	1000	1000	0	0	0	0	-95.325	-25.801	-20.2	87.08
2402MHz	-89dBm	1000	1000	1000	0	0	0	0	-94.409	-26.027	-20.332	87.144
2402MHz	-88dBm	1000	1000	1000	0	0	0	0	-93.56	-25.542	-19.97	87.098
2402MHz	-87dBm	1000	1000	1000	0	0	0	0	-92.842	-25.908	-20.165	87.077
2402MHz	-86dBm	1000	1000	1000	0	0	0	0	-92.205	-25.636	-20.134	87.105
2402MHz	-85dBm	1000	1000	1000	0	0	0	0	-91.713	-25.82	-20.356	87.017
2402MHz	-84dBm	1000	1000	1000	0	0	0	0	-91.488	-25.796	-20.281	87.129
2402MHz	-83dBm	1000	1000	1000	0	0	0	0	-91.437	-25.721	-19.949	87.286
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-91.158	-25.7	-20.056	87.109
2402MHz	-81dBm	1000	1000	1000	0	0	0	0	-91.221	-25.672	-20.084	87.206
2402MHz	-80dBm	1000	1000	1000	0	0	0	0	-91.122	-25.773	-20.073	87.119
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-91.215	-25.693	-20.043	87.215
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-91.101	-25.866	-20.074	87.1
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-91.094	-25.822	-20.206	87.094
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-91.134	-25.699	-20.154	87.134
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-91.18	-25.705	-20.083	87.18
2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-91.078	-25.742	-20.075	87.078

2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-91.064	-25.933	-20.134	87.064
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-91.174	-25.56	-20.124	87.174
2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-91.135	-25.585	-20.144	87.135
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-91.087	-25.875	-20.174	87.087
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-91.137	-25.644	-19.913	87.137
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-91.192	-25.519	-20.073	87.192
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-91.119	-25.778	-20.147	87.119
2402MHz	-66dBm	1000	1000	1000	0	0	0	0	-91.055	-25.908	-20.286	87.055
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.993	-25.821	-20.35	86.993
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-91.22	-25.678	-20.063	87.22
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-91.145	-25.501	-20.308	87.145
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.998	-25.777	-20.125	86.998
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-91.084	-25.641	-20.229	87.084
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-90.861	-25.696	-20.229	86.861

3.3.2. 速率 500k 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2440MHz	-104dBm	1000	0	0	1	1	1	1	0	0	0	0
2440MHz	-103dBm	1000	653	0	1	1	0.347	1	-106.863497	-24.763804	-20.404908	85.929448
2440MHz	-102dBm	1000	803	3	0.997	1	0.197	0.996264	-106.108479	-25.077307	-20.325436	86.074813
2440MHz	-101dBm	1000	926	110	0.89	1	0.074	0.88121	-105.335853	-25.194384	-20.293737	86.171706
2440MHz	-100dBm	1000	983	514	0.486	1	0.017	0.477111	-104.474059	-25.148525	-20.412004	86.148525
2440MHz	-99dBm	1000	996	831	0.169	0	0.004	0.165663	-103.592369	-24.936747	-20.374498	86.10241
2440MHz	-98dBm	1000	1000	949	0.051	0	0	0.051	-102.704	-25.122	-20.371	86.254
2440MHz	-97dBm	1000	1000	987	0.013	0	0	0.013	-101.8	-25.044	-20.365	86.139
2440MHz	-96dBm	1000	1000	993	0.007	0	0	0.007	-100.835	-25.406	-20.588	85.983
2440MHz	-95dBm	1000	1000	999	0.001	0	0	0.001	-99.851	-25.012	-20.199	86.245
2440MHz	-94dBm	1000	1000	1000	0	0	0	0	-98.868	-25.114	-20.432	86.133
2440MHz	-93dBm	1000	1000	998	0.002	0	0	0.002	-97.922	-25.138	-20.462	86.215
2440MHz	-92dBm	1000	1000	1000	0	0	0	0	-96.991	-25.111	-20.445	86.191
2440MHz	-91dBm	1000	1000	1000	0	0	0	0	-96.006	-24.891	-20.429	86.289
2440MHz	-90dBm	1000	1000	999	0.001	0	0	0.001	-95.077	-25.01	-20.25	86.148
2440MHz	-89dBm	1000	1000	1000	0	0	0	0	-94.165	-24.873	-20.378	86.083
2440MHz	-88dBm	1000	1000	1000	0	0	0	0	-93.188	-25.134	-20.38	86.015
2440MHz	-87dBm	1000	1000	1000	0	0	0	0	-92.442	-25.269	-20.307	86.229
2440MHz	-86dBm	1000	1000	1000	0	0	0	0	-91.774	-24.957	-20.375	86.251

2440MHz	-85dBm	1000	1000	1000	0	0	0	0	-91.171	-24.947	-20.333	86.228
2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.689	-25.28	-20.364	86.101
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-90.385	-25.338	-20.41	86.088
2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-90.308	-25.198	-20.456	86.184
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-90.231	-25.049	-20.358	86.18
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-90.067	-25.313	-20.433	86.047
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-90.249	-24.824	-20.35	86.244
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-90.182	-25.034	-20.222	86.182
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-90.226	-24.96	-20.223	86.226
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-90.283	-24.98	-20.292	86.283
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-90.105	-25.307	-20.201	86.105
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-89.924	-25.028	-20.502	85.875
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-90.262	-25.122	-20.095	86.262
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-90.263	-25.215	-20.32	86.263
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-90.156	-25.123	-20.445	86.156
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-90.201	-25.19	-20.2	86.201
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-90.141	-25.257	-20.565	86.141
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-90.253	-24.995	-20.385	86.253
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-90.196	-24.921	-20.434	86.196
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-90.19	-25.272	-20.458	86.19
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.267	-25.037	-20.426	86.267
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-90.261	-25.003	-20.314	86.261
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-89.955	-25.456	-20.403	85.955
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.019	-25.239	-20.279	86.019
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-90.06	-25.13	-20.547	86.06
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-90.212	-24.965	-20.216	86.212

3.3.3. 速率 500k 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-104dBm	1000	107	0	1	1	0.893	1	-106.897196	-24.476636	-20.869159	84.82243
2480MHz	-103dBm	1000	413	0	1	1	0.587	1	-106.208232	-24.917676	-20.556901	84.7046
2480MHz	-102dBm	1000	653	3	0.997	1	0.347	0.995406	-105.502304	-24.863287	-20.648233	84.766513
2480MHz	-101dBm	1000	794	102	0.898	1	0.206	0.871537	-104.633039	-24.832282	-20.239596	85.199243
2480MHz	-100dBm	1000	913	334	0.666	1	0.087	0.634173	-103.847588	-24.849781	-20.515351	85.201754
2480MHz	-99dBm	1000	967	632	0.368	1	0.033	0.346432	-102.980352	-24.854188	-20.224405	85.365047
2480MHz	-98dBm	1000	990	855	0.145	0	0.01	0.136364	-102.072727	-24.541414	-20.165657	85.538384

2480MHz	-97dBm	1000	994	948	0.052	0	0.006	0.046278	-101.167002	-25.015091	-20.300805	85.33501
2480MHz	-96dBm	1000	990	972	0.028	0	0.01	0.018182	-100.173737	-24.950505	-20.692929	85.274747
2480MHz	-95dBm	1000	994	981	0.019	0	0.006	0.013078	-99.206237	-25.057344	-20.280684	85.235412
2480MHz	-94dBm	1000	998	992	0.008	0	0.002	0.006012	-98.283567	-25.111222	-20.222445	85.287575
2480MHz	-93dBm	1000	1000	996	0.004	0	0	0.004	-97.329	-24.959	-20.519	85.161
2480MHz	-92dBm	1000	996	995	0.005	0	0.004	0.001004	-96.353414	-25.003012	-20.130522	85.400602
2480MHz	-91dBm	1000	997	997	0.003	0	0.003	0	-95.396189	-24.933801	-20.10331	85.345035
2480MHz	-90dBm	1000	999	998	0.002	0	0.001	0.001001	-94.453453	-25.05005	-20.374374	85.262262
2480MHz	-89dBm	1000	1000	1000	0	0	0	0	-93.555	-24.939	-20.292	85.284
2480MHz	-88dBm	1000	1000	1000	0	0	0	0	-92.651	-24.89	-20.309	85.283
2480MHz	-87dBm	1000	1000	1000	0	0	0	0	-91.8	-25.04	-20.38	85.242
2480MHz	-86dBm	1000	1000	1000	0	0	0	0	-91.062	-24.991	-20.53	85.086
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-90.433	-24.885	-20.363	85.064
2480MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.112	-24.839	-20.384	85.369
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.69	-24.89	-20.682	85.196
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-89.613	-24.734	-20.139	85.402
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-89.356	-25.015	-20.548	85.246
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-89.379	-24.923	-20.399	85.334
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-89.409	-24.808	-20.355	85.391
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-89.153	-25.176	-20.445	85.146
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-89.123	-24.815	-20.513	85.112
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-89.419	-24.915	-20.266	85.418
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-89.184	-25.061	-20.503	85.184
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-89.397	-24.886	-20.322	85.397
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-89.33	-24.906	-20.353	85.33
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-89.18	-24.94	-20.451	85.18
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-89.427	-24.92	-20.203	85.427
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-89.135	-24.957	-20.33	85.135
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-89.062	-25.061	-20.532	85.062
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-89.054	-24.852	-20.424	85.054
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-89.283	-24.962	-20.224	85.283
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-89.332	-24.768	-20.323	85.313
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-89.332	-24.899	-20.203	85.332
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-89.187	-25.093	-20.219	85.187
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-89.289	-25.076	-20.393	85.289
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-89.171	-25.044	-20.389	85.171
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-89.144	-24.831	-20.362	85.144
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-89.307	-24.945	-20.325	85.307

3.4. 速率 125k

3.4.1. 速率 125k 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	829	512	0.488	1	0.171	0.382388	-108.636912	-25.282268	-19.916767	86.756333
2402MHz	-104dBm	1000	956	887	0.113	0	0.044	0.072176	-108.029289	-25.492678	-19.969665	87.036611
2402MHz	-103dBm	1000	993	975	0.025	0	0.007	0.018127	-107.323263	-25.361531	-19.882175	87.06143
2402MHz	-102dBm	1000	987	974	0.026	0	0.013	0.013171	-106.529889	-25.600811	-19.752786	87.090172
2402MHz	-101dBm	1000	995	985	0.015	0	0.005	0.01005	-105.684422	-25.437186	-19.699497	87.129648
2402MHz	-100dBm	1000	995	986	0.014	0	0.005	0.009045	-104.81608	-25.357789	-19.678392	87.037186
2402MHz	-99dBm	1000	995	983	0.017	0	0.005	0.01206	-103.879397	-25.531658	-19.974874	86.958794
2402MHz	-98dBm	1000	998	987	0.013	0	0.002	0.011022	-102.973948	-25.523046	-19.857715	87.071142
2402MHz	-97dBm	1000	997	993	0.007	0	0.003	0.004012	-102.076229	-25.160481	-19.624875	87.11334
2402MHz	-96dBm	1000	997	989	0.011	0	0.003	0.008024	-101.076229	-25.120361	-19.461384	87.124373
2402MHz	-95dBm	1000	996	989	0.011	0	0.004	0.007028	-100.104418	-25.154618	-19.667671	87.058233
2402MHz	-94dBm	1000	997	988	0.012	0	0.003	0.009027	-99.102307	-25.102307	-19.444333	87.094283
2402MHz	-93dBm	1000	998	988	0.012	0	0.002	0.01002	-98.165331	-25.272545	-19.441884	87.102204
2402MHz	-92dBm	1000	992	983	0.017	0	0.008	0.009073	-97.25	-24.929435	-19.205645	87.176411
2402MHz	-91dBm	1000	998	990	0.01	0	0.002	0.008016	-96.278557	-24.948898	-19.324649	87.164329
2402MHz	-90dBm	1000	999	998	0.002	0	0.001	0.001001	-95.355355	-25.06006	-18.782783	87.12012
2402MHz	-89dBm	1000	1000	1000	0	0	0	0	-94.452	-25.084	-18.816	87.165
2402MHz	-88dBm	1000	1000	1000	0	0	0	0	-93.579	-24.632	-18.459	87.142
2402MHz	-87dBm	1000	1000	1000	0	0	0	0	-92.844	-24.921	-18.784	87.144
2402MHz	-86dBm	1000	1000	1000	0	0	0	0	-92.295	-24.53	-18.323	87.159
2402MHz	-85dBm	1000	1000	1000	0	0	0	0	-91.87	-24.779	-19.17	87.191
2402MHz	-84dBm	1000	1000	1000	0	0	0	0	-91.495	-24.587	-18.689	87.158
2402MHz	-83dBm	1000	1000	1000	0	0	0	0	-91.191	-25.084	-18.828	86.968
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-91.226	-24.463	-18.735	87.086
2402MHz	-81dBm	1000	1000	1000	0	0	0	0	-91.159	-24.872	-18.627	87.12
2402MHz	-80dBm	1000	1000	1000	0	0	0	0	-91.027	-24.306	-18.449	86.991
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-91.239	-24.737	-18.507	87.233
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-91.141	-25.07	-18.937	87.09
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-90.998	-25.092	-18.6	86.871
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-90.94	-24.512	-18.454	86.813
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-91.221	-24.711	-18.47	87.144
2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-90.998	-24.466	-18.54	86.857

2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-90.912	-24.472	-18.152	86.808
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-91.092	-25.004	-18.496	86.914
2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-91.026	-24.749	-18.192	86.946
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-91.109	-25.066	-18.703	86.988
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-91.219	-24.507	-17.997	87.079
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-90.903	-24.847	-18.285	86.783
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-91.016	-24.604	-18.403	86.878
2402MHz	-66dBm	1000	1000	1000	0	0	0	0	-91.024	-24.484	-18.352	86.964
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.811	-24.425	-18.12	86.634
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-90.992	-24.844	-18.797	86.776
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-90.947	-24.536	-18.379	86.815
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.858	-24.82	-18.367	86.743
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-90.769	-24.699	-18.413	86.641
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-90.957	-24.818	-18.626	86.901

3.4.2. 速率 125k 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	275	2	0.998	1	0.725	0.992727	-108.39781	-23.715328	-20.481752	84.945255
2440MHz	-104dBm	1000	633	146	0.854	1	0.367	0.769352	-107.658768	-24.366509	-20.372828	85.410742
2440MHz	-103dBm	1000	923	703	0.297	1	0.077	0.238353	-106.892741	-24.826652	-20.167931	86.052004
2440MHz	-102dBm	1000	987	963	0.037	0	0.013	0.024316	-106.199595	-25.017224	-20.325228	86.120567
2440MHz	-101dBm	1000	999	993	0.007	0	0.001	0.006006	-105.404404	-25.184184	-20.333333	86.066066
2440MHz	-100dBm	1000	998	998	0.002	0	0.002	0	-104.529058	-25.241483	-20.340681	86.093186
2440MHz	-99dBm	1000	997	997	0.003	0	0.003	0	-103.708124	-24.621866	-20.199599	86.300903
2440MHz	-98dBm	1000	997	997	0.003	0	0.003	0	-102.767302	-24.941825	-20.297894	86.151454
2440MHz	-97dBm	1000	1000	1000	0	0	0	0	-101.818	-24.768	-20.154	86.241
2440MHz	-96dBm	1000	999	999	0.001	0	0.001	0	-100.946947	-25.01001	-20.265265	86.183183
2440MHz	-95dBm	1000	1000	1000	0	0	0	0	-99.97	-24.786	-20.196	86.148
2440MHz	-94dBm	1000	1000	1000	0	0	0	0	-98.976	-24.983	-19.915	86.141
2440MHz	-93dBm	1000	1000	1000	0	0	0	0	-98.023	-24.964	-19.903	86.185
2440MHz	-92dBm	1000	1000	1000	0	0	0	0	-97.043	-24.834	-19.86	86.145
2440MHz	-91dBm	1000	1000	1000	0	0	0	0	-96.108	-24.919	-20.009	86.295
2440MHz	-90dBm	1000	1000	1000	0	0	0	0	-95.172	-24.872	-19.771	86.172
2440MHz	-89dBm	1000	1000	1000	0	0	0	0	-94.284	-24.546	-19.509	86.374
2440MHz	-88dBm	1000	1000	1000	0	0	0	0	-93.333	-24.58	-19.561	86.233
2440MHz	-87dBm	1000	1000	1000	0	0	0	0	-92.452	-24.993	-19.683	86.07
2440MHz	-86dBm	1000	1000	1000	0	0	0	0	-91.809	-24.641	-19.585	86.154

2440MHz	-85dBm	1000	1000	1000	0	0	0	0	-91.182	-24.905	-19.384	86.007
2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.8	-24.452	-19.183	86.198
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-90.625	-24.553	-19.335	86.32
2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-90.295	-24.653	-19.426	86.15
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-90.263	-24.684	-19.372	86.209
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-90.262	-24.544	-19.051	86.247
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-90.072	-24.839	-19.36	86.067
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-90.168	-24.744	-19.524	86.146
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-90.154	-24.525	-19.128	86.154
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-90.07	-24.731	-19.294	86.07
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-90.102	-24.786	-19.281	86.083
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-90.18	-24.738	-19.407	86.14
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-90.015	-24.713	-18.92	86.015
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-90.123	-24.617	-19.269	86.082
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-90.121	-24.334	-19.085	86.101
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-90.013	-24.894	-19.316	86.013
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-90.17	-24.466	-19.219	86.15
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-90.155	-24.615	-19.03	86.135
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-90.106	-24.614	-19.359	86.067
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-90.084	-24.758	-19.372	86.064
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.219	-24.705	-19.342	86.219
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-90.131	-24.523	-18.8	86.131
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-90.289	-24.475	-19.243	86.27
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.168	-24.568	-19.073	86.15
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-90.241	-24.645	-19.093	86.223
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-90.002	-25.069	-18.96	85.965

3.4.3. 速率 125k 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	28	1	0.999	1	0.972	0.964286	-107.75	-25.428571	-20.5	83.785714
2480MHz	-104dBm	1000	209	91	0.909	1	0.791	0.564593	-107.172249	-24.617225	-19.985646	84.4689
2480MHz	-103dBm	1000	583	392	0.608	1	0.417	0.327616	-106.500858	-24.447684	-19.984563	84.663808
2480MHz	-102dBm	1000	844	609	0.391	1	0.156	0.278436	-105.57109	-24.722749	-20.037915	85.119668
2480MHz	-101dBm	1000	945	836	0.164	0	0.055	0.115344	-104.707937	-25.046561	-20.269841	85.100529
2480MHz	-100dBm	1000	991	948	0.052	0	0.009	0.043391	-103.905146	-24.887992	-20.363269	85.195762
2480MHz	-99dBm	1000	978	948	0.052	0	0.022	0.030675	-102.984663	-24.688139	-20.066462	85.280164
2480MHz	-98dBm	1000	992	959	0.041	0	0.008	0.033266	-102.122984	-24.72379	-20.304435	85.178427

2480MHz	-97dBm	1000	992	962	0.038	0	0.008	0.030242	-101.186492	-24.710685	-19.988911	85.349798
2480MHz	-96dBm	1000	996	969	0.031	0	0.004	0.027108	-100.236948	-25.039157	-20.00502	85.202811
2480MHz	-95dBm	1000	996	980	0.02	0	0.004	0.016064	-99.299197	-24.818273	-20.115462	85.297189
2480MHz	-94dBm	1000	991	979	0.021	0	0.009	0.012109	-98.326942	-24.900101	-19.964682	85.220989
2480MHz	-93dBm	1000	992	983	0.017	0	0.008	0.009073	-97.363911	-24.842742	-20.106855	85.178427
2480MHz	-92dBm	1000	999	991	0.009	0	0.001	0.008008	-96.415415	-24.574575	-20.082082	85.13013
2480MHz	-91dBm	1000	999	992	0.008	0	0.001	0.007007	-95.491491	-24.527528	-19.985986	85.243243
2480MHz	-90dBm	1000	996	995	0.005	0	0.004	0.001004	-94.556225	-24.635542	-19.799197	85.442771
2480MHz	-89dBm	1000	999	999	0.001	0	0.001	0	-93.653654	-24.642643	-19.817818	85.238238
2480MHz	-88dBm	1000	1000	1000	0	0	0	0	-92.706	-24.589	-19.841	85.22
2480MHz	-87dBm	1000	1000	1000	0	0	0	0	-91.87	-24.932	-19.863	85.203
2480MHz	-86dBm	1000	1000	1000	0	0	0	0	-91.176	-24.663	-19.564	85.245
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-90.525	-24.778	-20.093	85.173
2480MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.103	-24.517	-19.557	85.322
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.806	-24.472	-19.781	85.328
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-89.57	-24.634	-19.202	85.3
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-89.431	-24.421	-19.609	85.298
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-89.4	-24.448	-19.591	85.334
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-89.263	-24.633	-19.478	85.241
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-89.23	-24.257	-19.433	85.217
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-89.008	-25.084	-19.88	84.995
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-89.347	-24.351	-19.432	85.343
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-89.055	-24.319	-19.503	85.049
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-89.229	-24.695	-19.647	85.208
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-89.325	-24.782	-19.729	85.323
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-89.225	-24.641	-19.758	85.225
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-89.412	-24.387	-19.52	85.411
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-89.252	-24.491	-19.367	85.191
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-89.201	-24.672	-19.655	85.161
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-89.184	-24.495	-19.115	85.164
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-89.348	-24.415	-19.169	85.348
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-89.205	-24.548	-19.662	85.205
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-88.998	-24.779	-19.901	84.998
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-89.174	-24.487	-19.329	85.154
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-89.239	-24.371	-19.444	85.2
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-89.233	-24.562	-19.451	85.233
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-89.266	-24.639	-19.587	85.266
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-89.28	-24.466	-19.374	85.262

4. RX PER 测试数据（包类型 1）

4.1. 速率 1M

4.1.1. 速率 1M 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	2	0	1	1	0.998	1	-108	-22	-23.5	78
2402MHz	-104dBm	1000	7	0	1	1	0.993	1	-108.285714	-22.142857	-27.285714	78
2402MHz	-103dBm	1000	24	0	1	1	0.976	1	-107.291667	-22.583333	-26	78.041667
2402MHz	-102dBm	1000	59	0	1	1	0.941	1	-106.355932	-23.20339	-25.559322	78
2402MHz	-101dBm	1000	109	0	1	1	0.891	1	-105.53211	-23.834862	-24.715596	77.963303
2402MHz	-100dBm	1000	156	0	1	1	0.844	1	-104.49359	-25.24359	-24.115385	77.782051
2402MHz	-99dBm	1000	223	0	1	1	0.777	1	-103.609865	-25.672646	-23.932735	77.358744
2402MHz	-98dBm	1000	442	4	0.996	1	0.558	0.99095	-102.701357	-25.680995	-23.357466	76.988688
2402MHz	-97dBm	1000	678	49	0.951	1	0.322	0.927729	-101.668142	-24.800885	-22.619469	76.839233
2402MHz	-96dBm	1000	828	246	0.754	1	0.172	0.702899	-100.699275	-24.258454	-22.213768	76.514493
2402MHz	-95dBm	1000	912	516	0.484	1	0.088	0.434211	-99.682018	-23.848684	-21.748904	75.948465
2402MHz	-94dBm	1000	964	768	0.232	1	0.036	0.20332	-98.676349	-23.602697	-21.70332	75.109959
2402MHz	-93dBm	1000	991	896	0.104	0	0.009	0.095863	-97.721493	-23.583249	-21.559031	74.237134
2402MHz	-92dBm	1000	996	941	0.059	0	0.004	0.055221	-96.774096	-23.630522	-21.678715	73.26506
2402MHz	-91dBm	1000	1000	979	0.021	0	0	0.021	-95.789	-23.541	-21.568	72.362
2402MHz	-90dBm	1000	1000	991	0.009	0	0	0.009	-94.752	-23.595	-21.576	71.341
2402MHz	-89dBm	1000	999	998	0.002	0	0.001	0.001001	-93.6997	-23.432432	-21.468468	70.379379
2402MHz	-88dBm	1000	1000	1000	0	0	0	0	-92.186	-23.05	-20.977	69.312
2402MHz	-87dBm	1000	1000	1000	0	0	0	0	-90.961	-22.805	-20.744	68.337
2402MHz	-86dBm	1000	1000	1000	0	0	0	0	-89.959	-22.749	-20.746	67.347
2402MHz	-85dBm	1000	1000	1000	0	0	0	0	-88.938	-22.71	-20.644	66.38
2402MHz	-84dBm	1000	1000	1000	0	0	0	0	-87.914	-22.662	-20.728	65.349
2402MHz	-83dBm	1000	1000	1000	0	0	0	0	-87.27	-23.075	-20.925	64.384
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-86.445	-23.319	-21.076	63.392
2402MHz	-81dBm	1000	1000	1000	0	0	0	0	-85.278	-23.282	-21.107	62.342
2402MHz	-80dBm	1000	1000	1000	0	0	0	0	-84.222	-23.28	-21.116	61.294
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-82.736	-22.998	-20.643	59.925
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-81.811	-22.738	-20.277	59.227
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-80.868	-22.843	-20.618	58.03
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-79.623	-23.413	-21.345	56.393
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-78.557	-23.031	-20.874	55.683

2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-77.586	-22.703	-20.678	55.073
2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-76.782	-22.763	-20.865	54.242
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-76.001	-22.752	-20.875	53.293
2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-75.006	-22.692	-20.827	52.291
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-74	-22.715	-20.828	51.22
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-73.07	-22.828	-20.764	50.232
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-72.109	-22.87	-21.161	49.169
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-71.04	-22.9	-21.19	48.122
2402MHz	-66dBm	1000	1000	1000	0	0	0	0	-70	-22.905	-20.998	47.088
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-69	-22.94	-21.003	46.052
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-67.635	-22.258	-20.929	45.042
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-66.641	-22.281	-20.946	44.044
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-65.79	-22.374	-20.919	43.081
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-64.782	-22.259	-20.835	42.164
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-63.54	-22.192	-20.91	41.085

4.1.2. 速率 1M 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2440MHz	-104dBm	1000	6	0	1	1	0.994	1	-107.333333	-22.166667	-24.333333	78
2440MHz	-103dBm	1000	16	0	1	1	0.984	1	-106.3125	-22.4375	-26.25	78
2440MHz	-102dBm	1000	45	0	1	1	0.955	1	-105.511111	-23.8	-25.155556	77.977778
2440MHz	-101dBm	1000	102	0	1	1	0.898	1	-104.892157	-24.882353	-24.303922	77.931373
2440MHz	-100dBm	1000	184	0	1	1	0.816	1	-104.168478	-25.076087	-24.125	77.755435
2440MHz	-99dBm	1000	265	0	1	1	0.735	1	-103.275472	-25.641509	-23.879245	77.218868
2440MHz	-98dBm	1000	471	1	0.999	1	0.529	0.997877	-102.380042	-25.384289	-23.061571	76.864119
2440MHz	-97dBm	1000	621	7	0.993	1	0.379	0.988728	-101.389694	-24.816425	-22.826087	76.537842
2440MHz	-96dBm	1000	788	110	0.89	1	0.212	0.860406	-100.430203	-24.28934	-22.115482	76.211929
2440MHz	-95dBm	1000	922	317	0.683	1	0.078	0.656182	-99.44577	-23.856833	-21.835141	75.639913
2440MHz	-94dBm	1000	964	606	0.394	1	0.036	0.371369	-98.466805	-23.695021	-21.620332	74.864108
2440MHz	-93dBm	1000	984	828	0.172	0	0.016	0.158537	-97.484756	-23.65752	-21.602642	73.904472
2440MHz	-92dBm	1000	995	918	0.082	0	0.005	0.077387	-96.500503	-23.548744	-21.520603	73.100503
2440MHz	-91dBm	1000	996	968	0.032	0	0.004	0.028112	-95.49498	-23.533133	-21.52008	72.085341
2440MHz	-90dBm	1000	1000	990	0.01	0	0	0.01	-94.467	-23.491	-21.5	71.113
2440MHz	-89dBm	1000	1000	992	0.008	0	0	0.008	-93.295	-23.353	-21.392	70.13
2440MHz	-88dBm	1000	1000	998	0.002	0	0	0.002	-91.862	-22.946	-21.043	69.064
2440MHz	-87dBm	1000	1000	999	0.001	0	0	0.001	-90.713	-22.771	-20.8	68.1
2440MHz	-86dBm	1000	1000	1000	0	0	0	0	-89.69	-22.783	-20.753	67.123

2440MHz	-85dBm	1000	1000	1000	0	0	0	0	-88.675	-22.722	-20.701	66.129
2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-87.593	-22.763	-20.756	65.084
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-87.028	-23.153	-21.004	64.124
2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-86.102	-23.273	-21.071	63.093
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-85.037	-23.213	-21.091	62.103
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-83.995	-23.21	-21.049	61.058
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-82.246	-22.912	-20.467	59.597
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-81.23	-22.914	-20.531	58.605
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-80.442	-23.206	-21.255	57.319
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-79.211	-23.373	-21.253	56.166
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-78.179	-22.985	-20.831	55.435
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-77.413	-22.849	-20.839	54.73
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-76.884	-22.988	-21.063	53.859
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-75.95	-22.908	-21.049	52.879
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-74.894	-22.746	-20.991	51.922
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-73.835	-22.744	-20.999	50.921
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-72.996	-22.903	-20.639	49.931
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-71.999	-22.882	-21.096	48.95
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-71	-22.83	-21.04	47.974
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-69.986	-22.713	-21.021	46.977
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-68.985	-22.64	-20.997	45.993
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-67.113	-22.069	-20.505	44.99
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-66.143	-22.07	-20.563	43.993
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-65.27	-22.085	-20.754	42.999
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-64.199	-22.073	-20.68	41.995
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-63.062	-22.01	-20.439	40.995

4.1.3. 速率 1M 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	1	0	1	1	0.999	1	-107	-22	-29	78
2480MHz	-104dBm	1000	2	0	1	1	0.998	1	-105.5	-22	-26	78
2480MHz	-103dBm	1000	3	0	1	1	0.997	1	-104.666667	-26	-21	78
2480MHz	-102dBm	1000	15	0	1	1	0.985	1	-104.666667	-25	-25.866667	78
2480MHz	-101dBm	1000	73	0	1	1	0.927	1	-104.30137	-25.150685	-23.90411	77.931507
2480MHz	-100dBm	1000	159	0	1	1	0.841	1	-103.503145	-25.113208	-23.377358	77.616352
2480MHz	-99dBm	1000	259	0	1	1	0.741	1	-102.602317	-25.247104	-23.092664	77.185328
2480MHz	-98dBm	1000	434	0	1	1	0.566	1	-101.71659	-25.156682	-22.960829	76.656682
2480MHz	-97dBm	1000	597	8	0.992	1	0.403	0.9866	-100.79397	-24.522613	-22.311558	76.242881

2480MHz	-96dBm	1000	758	75	0.925	1	0.242	0.901055	-99.965699	-24.113456	-21.866755	75.751979
2480MHz	-95dBm	1000	881	292	0.708	1	0.119	0.668558	-98.955732	-23.820658	-21.68899	75.103292
2480MHz	-94dBm	1000	947	556	0.444	1	0.053	0.412883	-97.894403	-23.637804	-21.63886	74.2566
2480MHz	-93dBm	1000	980	775	0.225	1	0.02	0.209184	-96.881633	-23.609184	-21.773469	73.34898
2480MHz	-92dBm	1000	988	907	0.093	0	0.012	0.081984	-95.961538	-23.564777	-21.533401	72.463563
2480MHz	-91dBm	1000	993	950	0.05	0	0.007	0.043303	-94.874119	-23.495468	-21.551863	71.500504
2480MHz	-90dBm	1000	995	980	0.02	0	0.005	0.015075	-93.815075	-23.491457	-21.505528	70.555779
2480MHz	-89dBm	1000	996	991	0.009	0	0.004	0.00502	-92.688755	-23.254016	-21.126506	69.616466
2480MHz	-88dBm	1000	999	994	0.006	0	0.001	0.005005	-91.382382	-23.02002	-20.991992	68.58959
2480MHz	-87dBm	1000	996	994	0.006	0	0.004	0.002008	-90.328313	-22.997992	-20.930723	67.588353
2480MHz	-86dBm	1000	1000	998	0.002	0	0	0.002	-89.287	-22.955	-20.928	66.585
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-88.266	-22.904	-20.877	65.631
2480MHz	-84dBm	1000	998	997	0.003	0	0.002	0.001002	-87.62024	-23.303607	-21.214429	64.571142
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-87.083	-23.74	-21.492	63.617
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-86.052	-23.71	-21.553	62.588
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-85.023	-23.627	-21.508	61.639
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-83.668	-23.373	-21.096	60.423
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-82.358	-23.139	-20.639	59.452
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-81.4	-23.306	-21.166	58.218
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-80.603	-23.476	-21.405	57.282
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-79.584	-23.377	-21.253	56.437
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-78.343	-22.856	-20.819	55.664
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-77.449	-22.771	-20.807	54.764
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-76.682	-22.685	-20.856	53.86
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-75.555	-22.602	-20.821	52.862
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-74.434	-22.514	-20.798	51.83
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-73.413	-22.544	-20.821	50.896
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-72.946	-22.888	-20.715	49.899
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-71.995	-22.93	-21.189	48.879
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-70.993	-22.869	-21.145	47.884
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-69.979	-22.725	-21.083	46.911
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-68.955	-22.667	-21.012	45.96
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-67.26	-22.199	-20.63	44.953
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-66.304	-22.177	-20.647	44.004
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-65.404	-22.24	-20.814	42.98
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-64.347	-22.178	-20.778	41.986
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-63.188	-22.09	-20.619	40.978

4.2. 速率 2M

4.2.1. 速率 2M 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2402MHz	-104dBm	1000	1	0	1	1	0.999	1	-109	-22	-22	78
2402MHz	-103dBm	1000	1	0	1	1	0.999	1	-108	-22	-27	78
2402MHz	-102dBm	1000	10	0	1	1	0.99	1	-108.2	-22.8	-24.1	78
2402MHz	-101dBm	1000	19	0	1	1	0.981	1	-107.210526	-23.736842	-24.842105	77.947368
2402MHz	-100dBm	1000	46	0	1	1	0.954	1	-106.782609	-25.065217	-24.434783	77.869565
2402MHz	-99dBm	1000	90	0	1	1	0.91	1	-105.833333	-26.455556	-24.155556	77.633333
2402MHz	-98dBm	1000	192	2	0.998	1	0.808	0.989583	-105.052083	-26.963542	-23.604167	77.328125
2402MHz	-97dBm	1000	351	9	0.991	1	0.649	0.974359	-104.11396	-26.880342	-22.948718	77.037037
2402MHz	-96dBm	1000	488	83	0.917	1	0.512	0.829918	-103.223361	-26.403689	-22.135246	76.727459
2402MHz	-95dBm	1000	646	256	0.744	1	0.354	0.603715	-102.260062	-25.982972	-21.583591	76.317337
2402MHz	-94dBm	1000	755	454	0.546	1	0.245	0.398675	-101.217219	-25.821192	-21.303311	75.524503
2402MHz	-93dBm	1000	855	692	0.308	1	0.145	0.190643	-100.235088	-25.718129	-21.17193	74.643275
2402MHz	-92dBm	1000	921	776	0.224	1	0.079	0.157438	-99.310532	-25.697068	-21.245385	73.697068
2402MHz	-91dBm	1000	960	883	0.117	0	0.04	0.080208	-98.34375	-25.744792	-21.308333	72.688542
2402MHz	-90dBm	1000	989	951	0.049	0	0.011	0.038423	-97.276036	-25.655207	-21.220425	71.757331
2402MHz	-89dBm	1000	994	974	0.026	0	0.006	0.020121	-96.226358	-25.541247	-21.163984	70.805835
2402MHz	-88dBm	1000	1000	987	0.013	0	0	0.013	-94.93	-25.323	-20.86	69.748
2402MHz	-87dBm	1000	1000	998	0.002	0	0	0.002	-93.545	-24.96	-20.361	68.722
2402MHz	-86dBm	1000	1000	997	0.003	0	0	0.003	-92.558	-24.845	-20.311	67.771
2402MHz	-85dBm	1000	1000	1000	0	0	0	0	-91.526	-24.756	-20.228	66.835
2402MHz	-84dBm	1000	1000	998	0.002	0	0	0.002	-90.397	-24.694	-20.213	65.814
2402MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.479	-24.75	-20.205	64.878
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-89.003	-25.32	-20.582	63.896
2402MHz	-81dBm	1000	1000	1000	0	0	0	0	-88.001	-25.259	-20.506	62.9
2402MHz	-80dBm	1000	1000	1000	0	0	0	0	-86.996	-25.168	-20.427	61.93
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-85.92	-25.144	-20.446	60.875
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-84.148	-25.208	-20.314	59.251
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-83.165	-25.488	-20.733	57.977
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-82.024	-26.074	-21.65	56.285
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-81.009	-25.993	-21.36	55.225
2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-80.618	-26.301	-21.884	54.416
2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-79.935	-26.262	-21.934	53.662
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-78.985	-26.164	-21.794	52.793

2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-77.981	-26.077	-21.645	51.845
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-76.983	-26.029	-21.583	50.906
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-76	-26.072	-21.838	49.956
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-75	-26.046	-21.922	48.985
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-74	-26.013	-21.88	47.993
2402MHz	-66dBm	1000	1000	1000	0	0	0	0	-73	-26	-21.69	46.999
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-71.999	-26	-21.706	45.999
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-70.023	-25.324	-20.968	45.032
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-69.02	-25.387	-20.999	44
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-68.146	-25.555	-21.003	43
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-67.036	-25.475	-21.001	41.999
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-66	-25.246	-21	41

4.2.2. 速率 2M 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2440MHz	-104dBm	1000	1	0	1	1	0.999	1	-109	-23	-25	78
2440MHz	-103dBm	1000	2	0	1	1	0.998	1	-108	-23	-27.5	78
2440MHz	-102dBm	1000	3	0	1	1	0.997	1	-107.666667	-22	-23	78
2440MHz	-101dBm	1000	10	0	1	1	0.99	1	-106.9	-23.4	-24.1	78
2440MHz	-100dBm	1000	38	0	1	1	0.962	1	-106.447368	-25.447368	-23.921053	77.842105
2440MHz	-99dBm	1000	93	0	1	1	0.907	1	-105.494624	-25.16129	-23.473118	77.602151
2440MHz	-98dBm	1000	182	0	1	1	0.818	1	-104.758242	-25.835165	-23.395604	77.346154
2440MHz	-97dBm	1000	300	7	0.993	1	0.7	0.976667	-103.833333	-26.093333	-22.643333	76.883333
2440MHz	-96dBm	1000	456	34	0.966	1	0.544	0.925439	-102.964912	-26.098684	-22.120614	76.486842
2440MHz	-95dBm	1000	611	184	0.816	1	0.389	0.698854	-101.998363	-25.913257	-21.592471	75.993453
2440MHz	-94dBm	1000	754	426	0.574	1	0.246	0.435013	-101.030504	-25.700265	-21.35809	75.262599
2440MHz	-93dBm	1000	842	601	0.399	1	0.158	0.286223	-100.062945	-25.660333	-21.268409	74.350356
2440MHz	-92dBm	1000	928	791	0.209	1	0.072	0.147629	-99.109914	-25.751078	-21.341595	73.40625
2440MHz	-91dBm	1000	945	853	0.147	0	0.055	0.097354	-98.096296	-25.697354	-21.224339	72.522751
2440MHz	-90dBm	1000	986	937	0.063	0	0.014	0.049696	-97.087221	-25.658215	-21.18357	71.532454
2440MHz	-89dBm	1000	994	980	0.02	0	0.006	0.014085	-95.983903	-25.577465	-21.104628	70.574447
2440MHz	-88dBm	1000	997	979	0.021	0	0.003	0.018054	-94.615848	-25.120361	-20.818455	69.354062
2440MHz	-87dBm	1000	1000	992	0.008	0	0	0.008	-93.317	-24.872	-20.562	68.542
2440MHz	-86dBm	1000	1000	996	0.004	0	0	0.004	-92.25	-24.863	-20.325	67.566
2440MHz	-85dBm	1000	1000	999	0.001	0	0	0.001	-91.179	-24.817	-20.269	66.545
2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.087	-24.753	-20.261	65.511
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.491	-25.046	-20.414	64.526

2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-88.956	-25.402	-20.62	63.537
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-87.948	-25.357	-20.579	62.538
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-86.885	-25.281	-20.576	61.518
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-85.456	-25.219	-20.399	60.244
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-84	-25.252	-20.34	58.835
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-83.002	-25.925	-21.457	57.344
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-82.001	-26.037	-21.552	56.075
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-81.058	-26.019	-21.375	55.104
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-80.444	-26.221	-21.867	54.287
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-79.527	-26.247	-21.84	53.426
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-78.248	-26.089	-21.7	52.464
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-77.107	-26.016	-21.612	51.495
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-76.464	-25.976	-21.629	50.547
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-75.926	-26.31	-21.796	49.57
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-74.94	-26.229	-21.722	48.619
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-73.863	-26.115	-21.586	47.681
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-72.586	-26.025	-21.436	46.688
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-71.449	-25.796	-21.22	45.778
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-70	-25.22	-20.915	44.809
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-69	-25.157	-20.943	43.873
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-68	-25.108	-20.971	42.968
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-67	-25.029	-20.949	41.991
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-66	-25.004	-20.887	40.996

4.2.3. 速率 2M 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-104dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-103dBm	1000	0	0	1	1	1	1	0	0	0	0
2480MHz	-102dBm	1000	4	0	1	1	0.996	1	-107.25	-23.75	-22.25	77.75
2480MHz	-101dBm	1000	13	0	1	1	0.987	1	-106.153846	-24.307692	-24.923077	77.923077
2480MHz	-100dBm	1000	18	0	1	1	0.982	1	-105.666667	-24.722222	-23.666667	77.944444
2480MHz	-99dBm	1000	54	0	1	1	0.946	1	-105.166667	-24.296296	-23.185185	77.851852
2480MHz	-98dBm	1000	135	0	1	1	0.865	1	-104.066667	-25.4	-23.096296	77.281481
2480MHz	-97dBm	1000	264	1	0.999	1	0.736	0.996212	-103.340909	-25.871212	-22.094697	76.878788
2480MHz	-96dBm	1000	429	36	0.964	1	0.571	0.916084	-102.361305	-26.002331	-21.652681	76.244755
2480MHz	-95dBm	1000	577	151	0.849	1	0.423	0.738302	-101.443674	-25.707106	-21.405546	75.556326
2480MHz	-94dBm	1000	728	366	0.634	1	0.272	0.497253	-100.409341	-25.552198	-21.350275	74.888736

2480MHz	-93dBm	1000	847	598	0.402	1	0.153	0.293979	-99.475797	-25.652893	-21.362456	73.765053
2480MHz	-92dBm	1000	910	738	0.262	1	0.09	0.189011	-98.471429	-25.645055	-21.312088	72.816484
2480MHz	-91dBm	1000	971	873	0.127	0	0.029	0.100927	-97.456231	-25.699279	-21.300721	71.861998
2480MHz	-90dBm	1000	974	903	0.097	0	0.026	0.072895	-96.48152	-25.528747	-21.193018	70.98152
2480MHz	-89dBm	1000	990	967	0.033	0	0.01	0.023232	-95.321212	-25.50303	-21.007071	69.937374
2480MHz	-88dBm	1000	997	977	0.023	0	0.003	0.02006	-94.076229	-25.229689	-20.64995	68.944835
2480MHz	-87dBm	1000	1000	992	0.008	0	0	0.008	-93.004	-25.132	-20.672	67.953
2480MHz	-86dBm	1000	1000	996	0.004	0	0	0.004	-91.994	-25.101	-20.52	66.982
2480MHz	-85dBm	1000	1000	998	0.002	0	0	0.002	-90.976	-25.034	-20.5	65.963
2480MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.138	-25.185	-20.631	64.933
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.836	-25.793	-21.08	63.974
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-88.928	-25.892	-21.127	62.979
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-87.876	-25.832	-21.088	62
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-86.779	-25.791	-21.049	60.949
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-85.032	-25.576	-20.551	59.587
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-84.006	-25.904	-21.24	58.314
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-83.048	-26.121	-21.626	57.25
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-82.029	-26.024	-21.602	56.262
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-81.01	-25.905	-21.432	55.256
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-80.048	-25.946	-21.635	54.365
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-79.043	-25.926	-21.585	53.463
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-78.004	-25.797	-21.498	52.478
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-77.013	-25.645	-21.438	51.546
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-76.426	-25.774	-21.578	50.561
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-75.939	-26.306	-21.889	49.582
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-74.927	-26.251	-21.789	48.593
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-73.846	-26.127	-21.578	47.659
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-72.588	-26.045	-21.506	46.641
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-71.395	-25.875	-21.298	45.742
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-70	-25.373	-20.996	44.76
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-69.015	-25.326	-20.997	43.853
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-68.001	-25.296	-21.032	42.913
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-67.017	-25.16	-20.969	41.999
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-66	-25.078	-20.967	40.957

4.3. 速率 500k

4.3.1. 速率 500k 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	193	0	1	1	0.807	1	-108.715026	-25.544041	-20.316062	85.823834
2402MHz	-104dBm	1000	363	0	1	1	0.637	1	-108	-25.628099	-20.352617	86.146006
2402MHz	-103dBm	1000	571	0	1	1	0.429	1	-107.189807	-25.536028	-20.268893	86.537786
2402MHz	-102dBm	1000	759	5	0.995	1	0.241	0.993412	-106.334651	-25.68643	-20.254282	86.732543
2402MHz	-101dBm	1000	887	83	0.917	1	0.113	0.906426	-105.568362	-25.672316	-20.377401	86.901695
2402MHz	-100dBm	1000	960	373	0.627	1	0.04	0.611458	-104.676042	-25.690625	-20.228125	87.011458
2402MHz	-99dBm	1000	964	640	0.36	1	0.036	0.3361	-103.756224	-25.622407	-20.009336	87.030083
2402MHz	-98dBm	1000	983	838	0.162	0	0.017	0.147508	-102.826043	-25.866734	-20.166836	87.029502
2402MHz	-97dBm	1000	987	915	0.085	0	0.013	0.072948	-101.886525	-25.620061	-19.906788	87.058764
2402MHz	-96dBm	1000	977	923	0.077	0	0.023	0.055271	-100.88434	-25.995906	-20.282497	87.008188
2402MHz	-95dBm	1000	987	955	0.045	0	0.013	0.032421	-99.929078	-25.805471	-20.172239	87.099291
2402MHz	-94dBm	1000	990	974	0.026	0	0.01	0.016162	-98.921212	-25.754545	-19.985859	87.156566
2402MHz	-93dBm	1000	1000	987	0.013	0	0	0.013	-97.973	-25.69	-20.355	87.09
2402MHz	-92dBm	1000	995	985	0.015	0	0.005	0.01005	-97.041206	-25.671357	-20.072362	87.237186
2402MHz	-91dBm	1000	988	980	0.02	0	0.012	0.008097	-96.106275	-25.603239	-20.057692	87.27834
2402MHz	-90dBm	1000	1000	993	0.007	0	0	0.007	-95.168	-25.7	-20.168	87.121
2402MHz	-89dBm	1000	1000	992	0.008	0	0	0.008	-94.325	-25.676	-20.019	87.201
2402MHz	-88dBm	1000	1000	995	0.005	0	0	0.005	-93.436	-25.948	-20.173	87.024
2402MHz	-87dBm	1000	1000	999	0.001	0	0	0.001	-92.733	-25.644	-20.139	87.101
2402MHz	-86dBm	1000	999	999	0.001	0	0.001	0	-92.105105	-25.804805	-20.23023	86.93994
2402MHz	-85dBm	1000	1000	1000	0	0	0	0	-91.684	-25.668	-20.223	87.119
2402MHz	-84dBm	1000	999	999	0.001	0	0.001	0	-91.318318	-25.893894	-20.185185	87.015015
2402MHz	-83dBm	1000	1000	1000	0	0	0	0	-91.091	-25.659	-20.05	86.963
2402MHz	-82dBm	1000	1000	1000	0	0	0	0	-91.103	-25.694	-20.271	87.059
2402MHz	-81dBm	1000	999	999	0.001	0	0.001	0	-91.171171	-25.677678	-20.389389	87.161161
2402MHz	-80dBm	1000	999	999	0.001	0	0.001	0	-90.991992	-26.078078	-20.202202	86.987988
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-91.055	-25.746	-20.121	87.055
2402MHz	-78dBm	1000	1000	1000	0	0	0	0	-90.947	-25.897	-20.213	86.926
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-91.168	-25.706	-20.053	87.168
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-91.244	-25.469	-19.996	87.244
2402MHz	-75dBm	1000	1000	1000	0	0	0	0	-91.162	-25.683	-20.011	87.162
2402MHz	-74dBm	1000	1000	1000	0	0	0	0	-91.256	-25.573	-20.042	87.253

2402MHz	-73dBm	1000	999	999	0.001	0	0.001	0	-91.178178	-25.562563	-20.173173	87.178178
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-91.08	-25.684	-20.129	87.08
2402MHz	-71dBm	1000	1000	1000	0	0	0	0	-91.156	-25.686	-19.99	87.156
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-91.003	-25.776	-20.25	87.003
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-91.124	-25.652	-20.246	87.124
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-91.138	-25.737	-20.057	87.138
2402MHz	-67dBm	1000	1000	1000	0	0	0	0	-91.039	-25.714	-20.051	87.039
2402MHz	-66dBm	1000	999	999	0.001	0	0.001	0	-91.29029	-25.564565	-19.93994	87.29029
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-91.033	-25.911	-20.249	87.033
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-91.182	-25.242	-19.91	87.182
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-91.08	-26.016	-20.2	87.08
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-91.023	-25.799	-20.064	87.023
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-91.102	-25.734	-20.005	87.102
2402MHz	-60dBm	1000	1000	1000	0	0	0	0	-91.043	-25.779	-20.274	87.043

4.3.2. 速率 500k 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	17	0	1	1	0.983	1	-108.294118	-25.176471	-21.176471	84.647059
2440MHz	-104dBm	1000	101	0	1	1	0.899	1	-107.455446	-24.475248	-20.544554	84.960396
2440MHz	-103dBm	1000	286	0	1	1	0.714	1	-106.807692	-24.814685	-20.342657	85.157343
2440MHz	-102dBm	1000	499	0	1	1	0.501	1	-106.126761	-24.768612	-20.591549	85.380282
2440MHz	-101dBm	1000	683	1	0.999	1	0.317	0.998536	-105.271261	-25.041056	-20.514663	85.81085
2440MHz	-100dBm	1000	863	61	0.939	1	0.137	0.929316	-104.397451	-25.429896	-20.497103	85.894554
2440MHz	-99dBm	1000	960	330	0.67	1	0.04	0.65625	-103.536458	-25.270833	-20.183333	86.152083
2440MHz	-98dBm	1000	988	706	0.294	1	0.012	0.285425	-102.551619	-25.039474	-20.225709	86.286437
2440MHz	-97dBm	1000	983	855	0.145	0	0.017	0.130214	-101.649034	-25.020346	-20.477111	86.192269
2440MHz	-96dBm	1000	988	933	0.067	0	0.012	0.055668	-100.699393	-25.172065	-20.438259	86.050607
2440MHz	-95dBm	1000	986	951	0.049	0	0.014	0.035497	-99.721095	-25.250507	-20.474645	86.189655
2440MHz	-94dBm	1000	994	980	0.02	0	0.006	0.014085	-98.691147	-25.087525	-20.417505	86.118712
2440MHz	-93dBm	1000	997	991	0.009	0	0.003	0.006018	-97.777332	-25.270812	-20.322969	86.204614
2440MHz	-92dBm	1000	998	995	0.005	0	0.002	0.003006	-96.803607	-25.194389	-20.387776	86.291583
2440MHz	-91dBm	1000	998	992	0.008	0	0.002	0.006012	-95.828657	-25.104208	-20.383768	86.209419
2440MHz	-90dBm	1000	1000	1000	0	0	0	0	-94.909	-25.24	-20.455	86.084
2440MHz	-89dBm	1000	1000	1000	0	0	0	0	-93.994	-25.278	-20.605	85.963
2440MHz	-88dBm	1000	1000	999	0.001	0	0	0.001	-93.117	-25.317	-20.352	86.239
2440MHz	-87dBm	1000	1000	999	0.001	0	0	0.001	-92.316	-25.164	-20.373	86.147
2440MHz	-86dBm	1000	1000	999	0.001	0	0	0.001	-91.702	-24.952	-20.411	86.304
2440MHz	-85dBm	1000	1000	999	0.001	0	0	0.001	-91.235	-24.847	-20.175	86.388

2440MHz	-84dBm	1000	1000	1000	0	0	0	0	-90.644	-25.231	-20.26	86.173
2440MHz	-83dBm	1000	999	998	0.002	0	0.001	0.001001	-90.446446	-24.991992	-20.225225	86.195195
2440MHz	-82dBm	1000	999	999	0.001	0	0.001	0	-90.309309	-25.057057	-20.468468	86.197197
2440MHz	-81dBm	1000	1000	1000	0	0	0	0	-90.147	-25.166	-20.406	86.101
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-90.23	-25.072	-20.336	86.215
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-90.208	-25.011	-20.446	86.206
2440MHz	-78dBm	1000	1000	1000	0	0	0	0	-90.306	-25.014	-20.318	86.306
2440MHz	-77dBm	1000	1000	1000	0	0	0	0	-90.059	-25.194	-20.393	86.059
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-90.173	-25.235	-20.439	86.173
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-90.169	-25.055	-20.436	86.169
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-90.138	-25.188	-20.398	86.138
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-90.267	-25.185	-20.405	86.267
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-90.259	-25.24	-20.337	86.259
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-90.054	-25.208	-20.526	86.054
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-90.098	-25.253	-20.425	86.098
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-90.16	-25.195	-20.528	86.16
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-90.084	-25.263	-20.6	86.084
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-90.204	-25.12	-20.365	86.204
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-90.143	-25.366	-20.577	86.143
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.217	-24.929	-20.293	86.217
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-90.232	-24.917	-20.474	86.232
2440MHz	-63dBm	1000	1000	1000	0	0	0	0	-90.119	-25.471	-20.413	86.119
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.263	-24.972	-20.514	86.263
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-90.149	-25.101	-20.469	86.149
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-90.144	-25.173	-20.261	86.144

4.3.3. 速率 500k 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	6	0	1	1	0.994	1	-107.166667	-26.333333	-21.166667	84.333333
2480MHz	-104dBm	1000	16	0	1	1	0.984	1	-106.5	-24.4375	-19.0625	84.6875
2480MHz	-103dBm	1000	42	0	1	1	0.958	1	-106.02381	-24.238095	-20.97619	84.595238
2480MHz	-102dBm	1000	308	0	1	1	0.692	1	-105.422078	-24.766234	-20.477273	84.425325
2480MHz	-101dBm	1000	545	2	0.998	1	0.455	0.99633	-104.629358	-24.812844	-20.53945	84.941284
2480MHz	-100dBm	1000	714	41	0.959	1	0.286	0.942577	-103.692847	-24.865358	-20.478261	85.126227
2480MHz	-99dBm	1000	868	251	0.749	1	0.132	0.710829	-102.957373	-25.099078	-20.394009	85.279954
2480MHz	-98dBm	1000	929	479	0.521	1	0.071	0.484392	-101.966631	-24.927879	-20.438105	85.107643
2480MHz	-97dBm	1000	971	736	0.264	1	0.029	0.242019	-101.072091	-24.829042	-20.499485	85.268795
2480MHz	-96dBm	1000	971	887	0.113	0	0.029	0.086509	-100.035015	-24.954686	-20.38723	85.209063

2480MHz	-95dBm	1000	992	961	0.039	0	0.008	0.03125	-99.103831	-24.72379	-20.419355	85.28629
2480MHz	-94dBm	1000	975	952	0.048	0	0.025	0.02359	-98.088205	-25.048205	-20.435897	85.130256
2480MHz	-93dBm	1000	989	979	0.021	0	0.011	0.010111	-97.159757	-24.854398	-20.286148	85.233569
2480MHz	-92dBm	1000	995	976	0.024	0	0.005	0.019095	-96.198995	-25.034171	-20.302513	85.323618
2480MHz	-91dBm	1000	996	985	0.015	0	0.004	0.011044	-95.214859	-24.702811	-20.393574	85.254016
2480MHz	-90dBm	1000	999	993	0.007	0	0.001	0.006006	-94.322322	-24.914915	-20.580581	85.201201
2480MHz	-89dBm	1000	1000	997	0.003	0	0	0.003	-93.405	-25.015	-20.337	85.255
2480MHz	-88dBm	1000	999	999	0.001	0	0.001	0	-92.488488	-24.884885	-20.34034	85.238238
2480MHz	-87dBm	1000	999	999	0.001	0	0.001	0	-91.693694	-24.976977	-20.431431	85.178178
2480MHz	-86dBm	1000	1000	1000	0	0	0	0	-90.981	-24.976	-20.448	85.237
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-90.321	-25.001	-20.521	85.098
2480MHz	-84dBm	1000	1000	1000	0	0	0	0	-89.98	-24.853	-20.458	85.285
2480MHz	-83dBm	1000	1000	1000	0	0	0	0	-89.603	-25.007	-20.33	85.146
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-89.6	-24.751	-20.308	85.45
2480MHz	-81dBm	1000	999	999	0.001	0	0.001	0	-89.295295	-25.086086	-20.495495	85.173173
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-89.34	-24.798	-20.431	85.309
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-89.223	-25.071	-20.397	85.199
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-89.307	-24.67	-20.432	85.304
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-88.986	-24.897	-20.491	84.985
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-88.97	-25.276	-20.568	84.961
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-89.234	-24.8	-20.333	85.234
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-89.365	-24.86	-20.369	85.365
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-89.215	-24.931	-20.411	85.215
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-89.129	-24.976	-20.49	85.129
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-89.323	-24.664	-20.226	85.303
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-89.164	-25.006	-20.312	85.164
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-89.207	-24.917	-20.176	85.207
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-89.385	-24.7	-20.283	85.385
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-89.371	-24.858	-20.178	85.371
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-89.15	-24.904	-20.329	85.15
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-89.194	-24.93	-20.352	85.194
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-89.314	-24.653	-20.258	85.314
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-89.33	-24.881	-20.277	85.33
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-89.196	-24.63	-20.308	85.177
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-89.374	-24.775	-20.244	85.374
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-89.275	-24.935	-20.355	85.275

4.4. 速率 125k

4.4.1. 速率 125k 信道 2402MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2402MHz	-105dBm	1000	241	23	0.977	1	0.759	0.904564	-108.692946	-24.448133	-20.647303	85.099585
2402MHz	-104dBm	1000	544	284	0.716	1	0.456	0.477941	-108.216912	-24.858456	-20.59375	85.580882
2402MHz	-103dBm	1000	781	713	0.287	1	0.219	0.087068	-107.408451	-25.147247	-20.161332	86.239437
2402MHz	-102dBm	1000	944	927	0.073	0	0.056	0.018008	-106.64089	-25.501059	-19.798729	86.911017
2402MHz	-101dBm	1000	967	959	0.041	0	0.033	0.008273	-105.779731	-25.531541	-19.918304	86.914168
2402MHz	-100dBm	1000	967	939	0.061	0	0.033	0.028956	-104.945191	-25.422958	-19.827301	86.884178
2402MHz	-99dBm	1000	940	926	0.074	0	0.06	0.014894	-104.035106	-25.335106	-20.041489	86.707447
2402MHz	-98dBm	1000	932	914	0.086	0	0.068	0.019313	-103.106337	-24.965628	-19.924812	86.590763
2402MHz	-97dBm	1000	924	916	0.084	0	0.076	0.008658	-102.145179	-25.110509	-19.650054	86.682557
2402MHz	-96dBm	1000	937	927	0.073	0	0.063	0.010672	-101.201708	-25.13127	-19.695838	86.693703
2402MHz	-95dBm	1000	945	936	0.064	0	0.055	0.009524	-100.269841	-24.912169	-19.530159	87.025397
2402MHz	-94dBm	1000	957	950	0.05	0	0.043	0.007315	-99.23302	-25.324974	-19.350052	86.965517
2402MHz	-93dBm	1000	963	958	0.042	0	0.037	0.005192	-98.278297	-25.257529	-19.437175	86.895119
2402MHz	-92dBm	1000	955	943	0.057	0	0.045	0.012565	-97.358115	-25.386387	-19.348691	86.904712
2402MHz	-91dBm	1000	961	953	0.047	0	0.039	0.008325	-96.422477	-25.369407	-19.341311	87.014568
2402MHz	-90dBm	1000	978	977	0.023	0	0.022	0.001022	-95.517382	-24.969325	-19.01227	87.08998
2402MHz	-89dBm	1000	983	983	0.017	0	0.017	0	-94.609359	-24.91353	-19.056968	86.961343
2402MHz	-88dBm	1000	993	993	0.007	0	0.007	0	-93.736153	-24.981873	-18.916415	87.111782
2402MHz	-87dBm	1000	999	999	0.001	0	0.001	0	-92.988989	-24.754755	-19.014014	87.062062
2402MHz	-86dBm	1000	999	999	0.001	0	0.001	0	-92.373373	-24.815816	-18.674675	87.165165
2402MHz	-85dBm	1000	996	996	0.004	0	0.004	0	-91.763052	-24.993976	-18.717871	86.793173
2402MHz	-84dBm	1000	998	998	0.002	0	0.002	0	-91.383768	-24.820641	-18.780561	86.916834
2402MHz	-83dBm	1000	996	996	0.004	0	0.004	0	-91.291165	-24.720884	-18.834337	87.080321
2402MHz	-82dBm	1000	999	999	0.001	0	0.001	0	-91.188188	-25.116116	-18.677678	87.043043
2402MHz	-81dBm	1000	999	999	0.001	0	0.001	0	-91.109109	-24.544545	-18.551552	87.052052
2402MHz	-80dBm	1000	999	999	0.001	0	0.001	0	-91.107107	-24.692693	-18.32032	87.086086
2402MHz	-79dBm	1000	1000	1000	0	0	0	0	-91.097	-24.704	-18.609	87.026
2402MHz	-78dBm	1000	999	999	0.001	0	0.001	0	-90.946947	-24.585586	-18.386386	86.858859
2402MHz	-77dBm	1000	1000	1000	0	0	0	0	-91.053	-24.898	-18.437	86.952
2402MHz	-76dBm	1000	1000	1000	0	0	0	0	-90.895	-24.698	-18.691	86.79
2402MHz	-75dBm	1000	999	999	0.001	0	0.001	0	-91.083083	-24.797798	-18.52953	87
2402MHz	-74dBm	1000	999	999	0.001	0	0.001	0	-90.98999	-24.800801	-18.500501	86.768769
2402MHz	-73dBm	1000	1000	1000	0	0	0	0	-90.923	-24.825	-18.691	86.799
2402MHz	-72dBm	1000	1000	1000	0	0	0	0	-91.168	-24.737	-18.393	87.068

2402MHz	-71dBm	1000	999	999	0.001	0	0.001	0	-91.026026	-25.066066	-18.528529	86.867868
2402MHz	-70dBm	1000	1000	1000	0	0	0	0	-91.002	-24.707	-18.534	86.862
2402MHz	-69dBm	1000	1000	1000	0	0	0	0	-90.948	-24.738	-18.781	86.811
2402MHz	-68dBm	1000	1000	1000	0	0	0	0	-90.91	-24.618	-18.617	86.732
2402MHz	-67dBm	1000	999	999	0.001	0	0.001	0	-91.178178	-24.728729	-18.580581	87.04004
2402MHz	-66dBm	1000	999	999	0.001	0	0.001	0	-90.582583	-24.674675	-18.257257	86.345345
2402MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.686	-24.807	-18.421	86.492
2402MHz	-64dBm	1000	1000	1000	0	0	0	0	-90.845	-24.757	-18.579	86.651
2402MHz	-63dBm	1000	1000	1000	0	0	0	0	-90.957	-24.765	-18.402	86.822
2402MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.967	-24.729	-18.504	86.852
2402MHz	-61dBm	1000	1000	1000	0	0	0	0	-91.113	-24.721	-18.517	87.018
2402MHz	-60dBm	1000	999	999	0.001	0	0.001	0	-90.967968	-24.524525	-18.173173	86.892893

4.4.2. 速率 125k 信道 2440MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2440MHz	-105dBm	1000	22	0	1	1	0.978	1	-108.409091	-23.590909	-20.045455	85
2440MHz	-104dBm	1000	142	0	1	1	0.858	1	-107.535211	-24.570423	-20.978873	84.084507
2440MHz	-103dBm	1000	470	74	0.926	1	0.53	0.842553	-106.942553	-23.817021	-20.77234	84.63617
2440MHz	-102dBm	1000	784	531	0.469	1	0.216	0.322704	-106.191327	-24.721939	-20.321429	85.456633
2440MHz	-101dBm	1000	941	897	0.103	0	0.059	0.046759	-105.463337	-24.583422	-20.190223	86.036132
2440MHz	-100dBm	1000	977	974	0.026	0	0.023	0.003071	-104.573183	-24.778915	-20.389969	86.042989
2440MHz	-99dBm	1000	964	961	0.039	0	0.036	0.003112	-103.711618	-24.814315	-20.006224	86.154564
2440MHz	-98dBm	1000	951	945	0.055	0	0.049	0.006309	-102.855941	-24.882229	-20.154574	85.995794
2440MHz	-97dBm	1000	936	929	0.071	0	0.064	0.007479	-101.898504	-25.080128	-20.07265	85.880342
2440MHz	-96dBm	1000	945	939	0.061	0	0.055	0.006349	-100.929101	-24.944974	-20.042328	86.008466
2440MHz	-95dBm	1000	933	932	0.068	0	0.067	0.001072	-100.041801	-24.892819	-20.036442	86.11254
2440MHz	-94dBm	1000	963	962	0.038	0	0.037	0.001038	-99.011423	-24.834891	-19.969886	86.218069
2440MHz	-93dBm	1000	968	968	0.032	0	0.032	0	-98.01343	-25.054752	-19.636364	86.18905
2440MHz	-92dBm	1000	972	972	0.028	0	0.028	0	-97.134774	-24.614198	-19.644033	86.260288
2440MHz	-91dBm	1000	969	969	0.031	0	0.031	0	-96.166151	-24.824561	-19.877193	86.237358
2440MHz	-90dBm	1000	987	987	0.013	0	0.013	0	-95.208713	-24.663627	-19.674772	86.176292
2440MHz	-89dBm	1000	988	988	0.012	0	0.012	0	-94.324899	-24.58502	-19.387652	86.364372
2440MHz	-88dBm	1000	998	998	0.002	0	0.002	0	-93.368737	-24.5	-19.353707	86.366733
2440MHz	-87dBm	1000	1000	1000	0	0	0	0	-92.546	-24.737	-19.534	86.219
2440MHz	-86dBm	1000	999	999	0.001	0	0.001	0	-91.827828	-24.740741	-19.555556	86.243243
2440MHz	-85dBm	1000	999	999	0.001	0	0.001	0	-91.251251	-24.826827	-19.344344	86.162162
2440MHz	-84dBm	1000	999	999	0.001	0	0.001	0	-90.753754	-24.488488	-19.008008	86.129129
2440MHz	-83dBm	1000	1000	1000	0	0	0	0	-90.645	-24.748	-19.667	86.322

2440MHz	-82dBm	1000	1000	1000	0	0	0	0	-90.336	-24.821	-19.63	86.173
2440MHz	-81dBm	1000	999	999	0.001	0	0.001	0	-90.219219	-24.489489	-19.327327	86.153153
2440MHz	-80dBm	1000	1000	1000	0	0	0	0	-90.385	-24.619	-19.538	86.368
2440MHz	-79dBm	1000	1000	1000	0	0	0	0	-90.206	-25.023	-19.507	86.199
2440MHz	-78dBm	1000	998	998	0.002	0	0.002	0	-90.244489	-24.507014	-19.307615	86.243487
2440MHz	-77dBm	1000	999	999	0.001	0	0.001	0	-90.095095	-24.670671	-19.294294	86.076076
2440MHz	-76dBm	1000	1000	1000	0	0	0	0	-90.182	-24.599	-19.253	86.163
2440MHz	-75dBm	1000	1000	1000	0	0	0	0	-90.191	-24.717	-19.495	86.172
2440MHz	-74dBm	1000	1000	1000	0	0	0	0	-90.199	-24.664	-19.224	86.179
2440MHz	-73dBm	1000	1000	1000	0	0	0	0	-90.34	-24.535	-19.225	86.301
2440MHz	-72dBm	1000	1000	1000	0	0	0	0	-90.083	-24.737	-19.185	86.063
2440MHz	-71dBm	1000	1000	1000	0	0	0	0	-90.012	-24.534	-19.175	85.993
2440MHz	-70dBm	1000	1000	1000	0	0	0	0	-90.178	-24.586	-19.262	86.138
2440MHz	-69dBm	1000	1000	1000	0	0	0	0	-90.228	-24.374	-18.906	86.188
2440MHz	-68dBm	1000	1000	1000	0	0	0	0	-90.298	-24.661	-19.412	86.298
2440MHz	-67dBm	1000	1000	1000	0	0	0	0	-90.225	-24.666	-18.755	86.185
2440MHz	-66dBm	1000	1000	1000	0	0	0	0	-90.166	-24.787	-19.25	86.146
2440MHz	-65dBm	1000	1000	1000	0	0	0	0	-90.086	-24.696	-19.057	86.086
2440MHz	-64dBm	1000	1000	1000	0	0	0	0	-90.224	-24.44	-18.927	86.224
2440MHz	-63dBm	1000	999	999	0.001	0	0.001	0	-90.214214	-24.788789	-19.293293	86.176176
2440MHz	-62dBm	1000	1000	1000	0	0	0	0	-90.149	-24.639	-19.323	86.149
2440MHz	-61dBm	1000	1000	1000	0	0	0	0	-89.985	-24.86	-19.434	85.966
2440MHz	-60dBm	1000	1000	1000	0	0	0	0	-90.199	-24.671	-19.128	86.199

4.4.3. 速率 125ks 信道 2480MHz

Channel	TX power	TX pac	RX pac	RX correct pac	PER	fail	AER	PER RX pac	RSSI	inband	fullband	gain
2480MHz	-105dBm	1000	1	0	1	1	0.999	1	-106	-22	-18	90
2480MHz	-104dBm	1000	27	0	1	1	0.973	1	-107.259259	-24.037037	-20.555556	84.222222
2480MHz	-103dBm	1000	44	12	0.988	1	0.956	0.727273	-106.363636	-24.886364	-20.840909	83.227273
2480MHz	-102dBm	1000	351	201	0.799	1	0.649	0.42735	-105.595442	-24.202279	-20.282051	83.991453
2480MHz	-101dBm	1000	741	491	0.509	1	0.259	0.337382	-104.839406	-24.34278	-20.564103	84.631579
2480MHz	-100dBm	1000	911	785	0.215	1	0.089	0.13831	-104.003293	-24.852909	-20.25247	85.144896
2480MHz	-99dBm	1000	955	916	0.084	0	0.045	0.040838	-103.053403	-24.93089	-20.164398	85.074346
2480MHz	-98dBm	1000	942	906	0.094	0	0.058	0.038217	-102.197452	-24.856688	-20.076433	84.971338
2480MHz	-97dBm	1000	934	903	0.097	0	0.066	0.033191	-101.329764	-24.82334	-20.09743	85.006424
2480MHz	-96dBm	1000	917	892	0.108	0	0.083	0.027263	-100.309706	-24.95747	-20.343511	84.814613
2480MHz	-95dBm	1000	927	905	0.095	0	0.073	0.023732	-99.355987	-24.970874	-20.036677	85.168285

2480MHz	-94dBm	1000	948	931	0.069	0	0.052	0.017932	-98.416051	-25.091869	-20.199578	85.145723
2480MHz	-93dBm	1000	973	962	0.038	0	0.027	0.011305	-97.448099	-24.76259	-19.930113	85.380267
2480MHz	-92dBm	1000	952	943	0.057	0	0.048	0.009454	-96.496849	-24.793067	-20.115546	85.335084
2480MHz	-91dBm	1000	981	971	0.029	0	0.019	0.010194	-95.561672	-24.760449	-19.793068	85.29052
2480MHz	-90dBm	1000	982	981	0.019	0	0.018	0.001018	-94.630346	-24.441955	-19.714868	85.348269
2480MHz	-89dBm	1000	996	996	0.004	0	0.004	0	-93.758032	-24.865462	-19.781124	85.323293
2480MHz	-88dBm	1000	997	997	0.003	0	0.003	0	-92.798395	-24.630893	-19.811434	85.270812
2480MHz	-87dBm	1000	999	999	0.001	0	0.001	0	-91.984985	-24.517518	-19.675676	85.122122
2480MHz	-86dBm	1000	1000	1000	0	0	0	0	-91.295	-24.636	-19.787	85.214
2480MHz	-85dBm	1000	1000	1000	0	0	0	0	-90.703	-24.503	-19.867	85.364
2480MHz	-84dBm	1000	999	999	0.001	0	0.001	0	-90.069069	-24.670671	-19.528529	85.143143
2480MHz	-83dBm	1000	999	999	0.001	0	0.001	0	-89.796797	-24.473473	-19.667668	85.301301
2480MHz	-82dBm	1000	1000	1000	0	0	0	0	-89.433	-24.802	-19.779	85.154
2480MHz	-81dBm	1000	1000	1000	0	0	0	0	-89.429	-24.721	-19.552	85.319
2480MHz	-80dBm	1000	1000	1000	0	0	0	0	-89.152	-24.653	-19.761	85.068
2480MHz	-79dBm	1000	1000	1000	0	0	0	0	-89.243	-24.704	-19.838	85.205
2480MHz	-78dBm	1000	1000	1000	0	0	0	0	-89.282	-24.33	-19.681	85.275
2480MHz	-77dBm	1000	1000	1000	0	0	0	0	-89.336	-24.563	-19.348	85.317
2480MHz	-76dBm	1000	1000	1000	0	0	0	0	-89.253	-24.65	-19.629	85.249
2480MHz	-75dBm	1000	1000	1000	0	0	0	0	-89.221	-24.392	-19.355	85.216
2480MHz	-74dBm	1000	1000	1000	0	0	0	0	-89.21	-24.707	-19.773	85.19
2480MHz	-73dBm	1000	1000	1000	0	0	0	0	-89.274	-24.654	-19.593	85.272
2480MHz	-72dBm	1000	1000	1000	0	0	0	0	-89.199	-24.788	-19.572	85.199
2480MHz	-71dBm	1000	1000	1000	0	0	0	0	-89.372	-24.967	-19.531	85.372
2480MHz	-70dBm	1000	1000	1000	0	0	0	0	-89.073	-24.838	-19.772	85.073
2480MHz	-69dBm	1000	1000	1000	0	0	0	0	-89.236	-24.579	-19.432	85.216
2480MHz	-68dBm	1000	1000	1000	0	0	0	0	-89.136	-24.726	-19.91	85.136
2480MHz	-67dBm	1000	1000	1000	0	0	0	0	-89.193	-24.644	-19.848	85.193
2480MHz	-66dBm	1000	1000	1000	0	0	0	0	-89.11	-24.489	-19.753	85.09
2480MHz	-65dBm	1000	1000	1000	0	0	0	0	-89.16	-24.595	-19.409	85.16
2480MHz	-64dBm	1000	1000	1000	0	0	0	0	-89.082	-24.637	-19.726	85.082
2480MHz	-63dBm	1000	1000	1000	0	0	0	0	-89.179	-24.474	-19.605	85.139
2480MHz	-62dBm	1000	1000	1000	0	0	0	0	-89.301	-24.599	-19.582	85.301
2480MHz	-61dBm	1000	1000	1000	0	0	0	0	-89.128	-24.81	-19.766	85.089
2480MHz	-60dBm	1000	1000	1000	0	0	0	0	-89.432	-24.511	-19.427	85.432