

RFA-25-T200-N1-C262

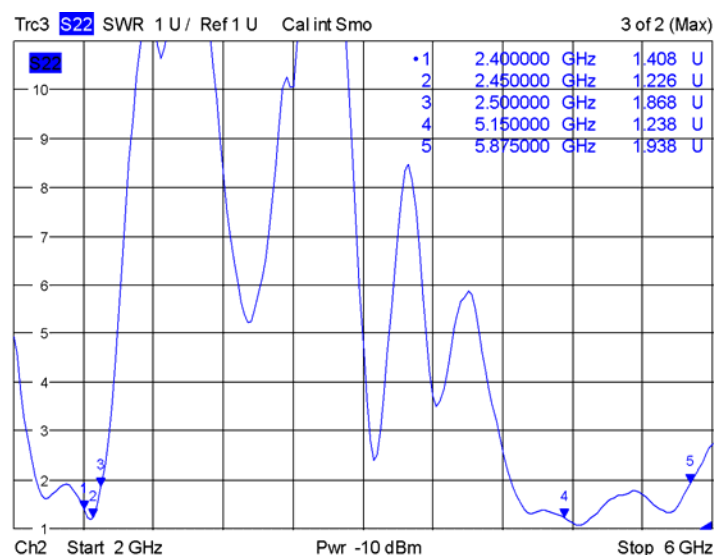
Specifications

Frequency range	2400-2500MHz	5150-5250 MHz	5250-5350 MHz	5470-5725 MHz	5725-5850 MHz
Peak gain	4.0 dBi	5.33 dBi	5.49 dBi	5.96 dBi	5.75 dBi
VSWR	2.0 : 1 Max.				
Polarization	Linear, vertical				
Power handling	2W (cw)				
Impedance	50 Ω				
Connector	N PLUG				

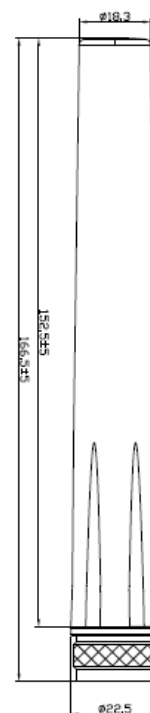
Environmental & Mechanical Characteristics

Temperature	-40°C to +85°C
Humidity	95% @ 25°C

VSWR

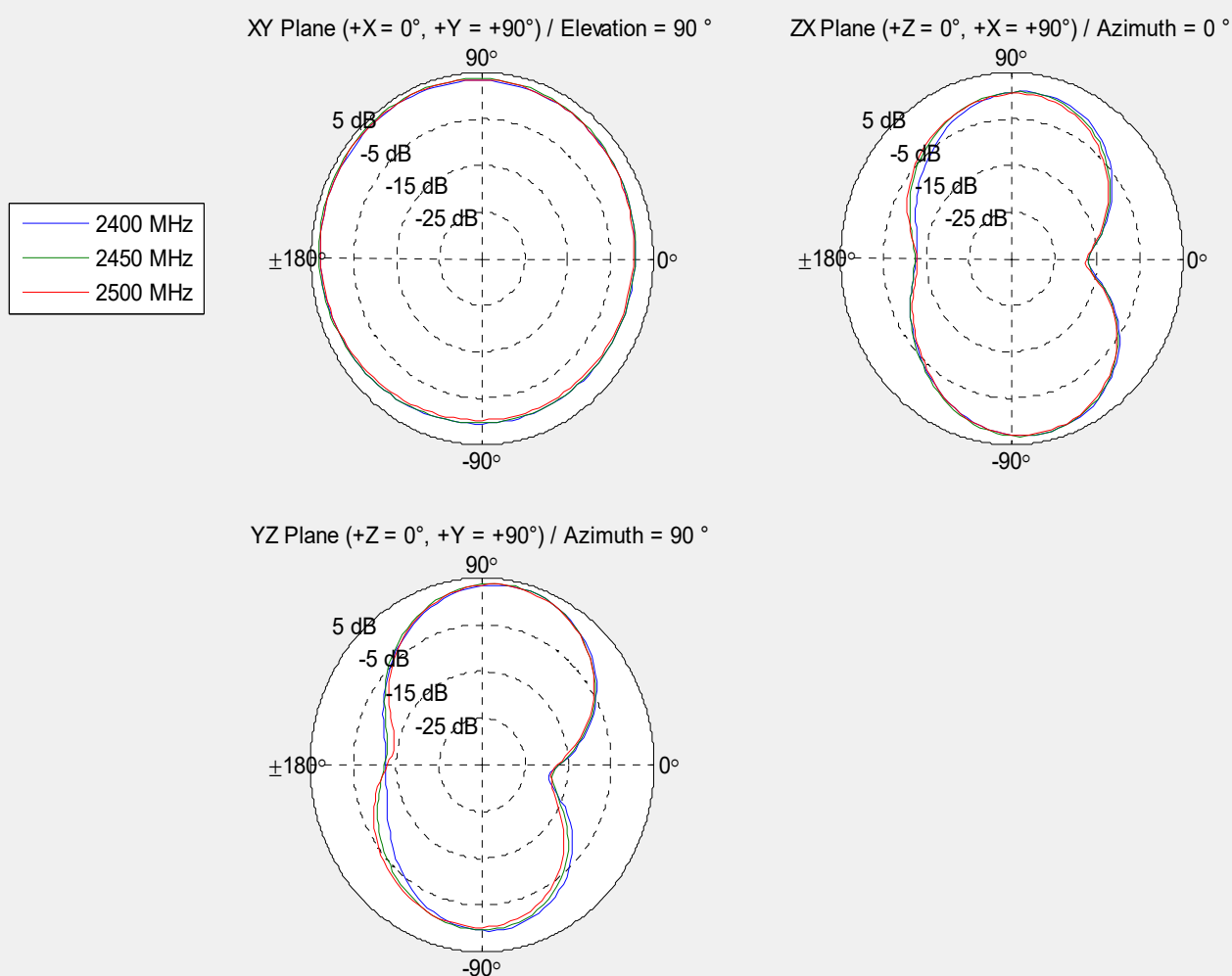


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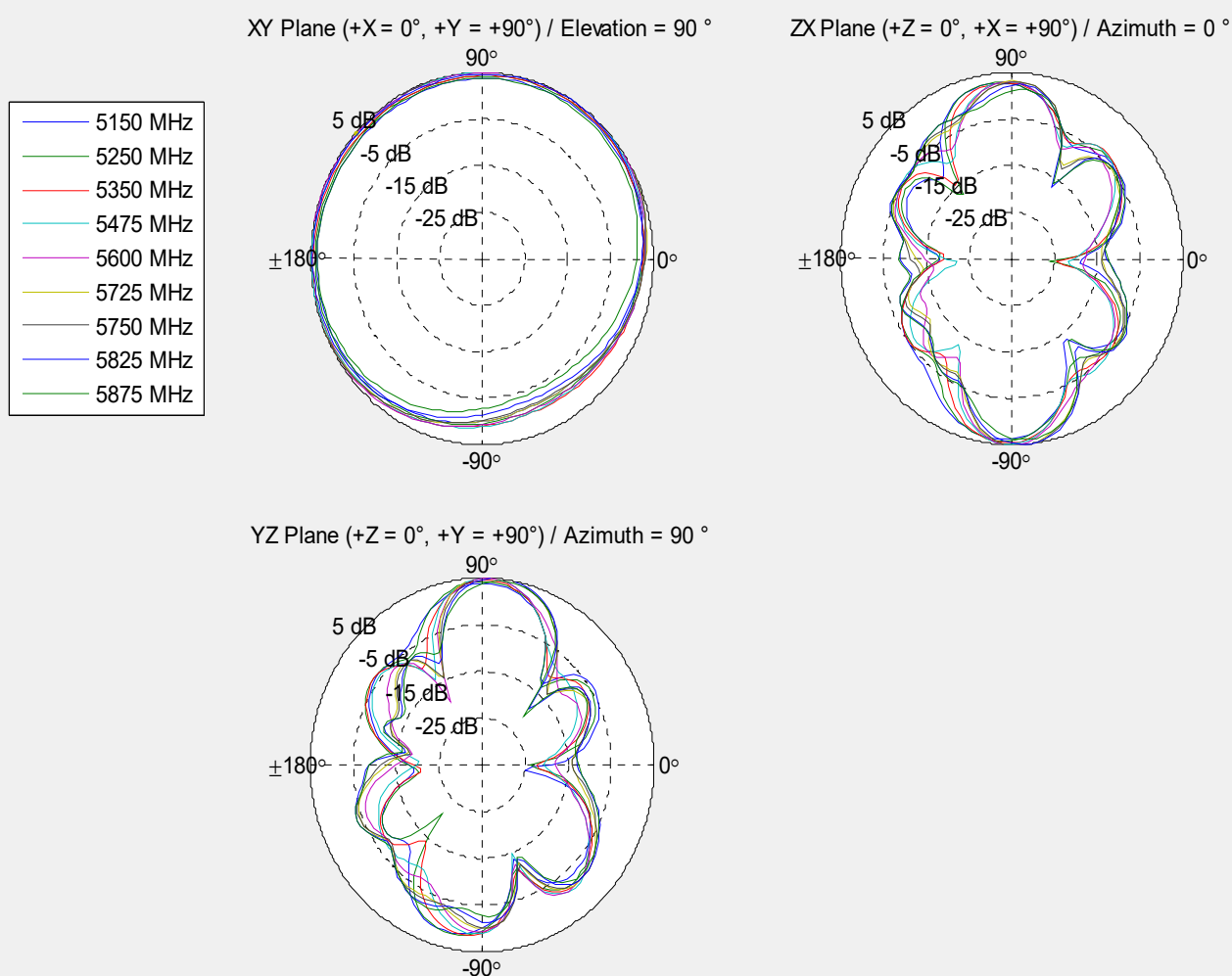
Radiation Pattern

2G Band = 2400 - 2500 MHz % 2G Band



Radiation Pattern

5G Band = 4400 - 6000 MHz

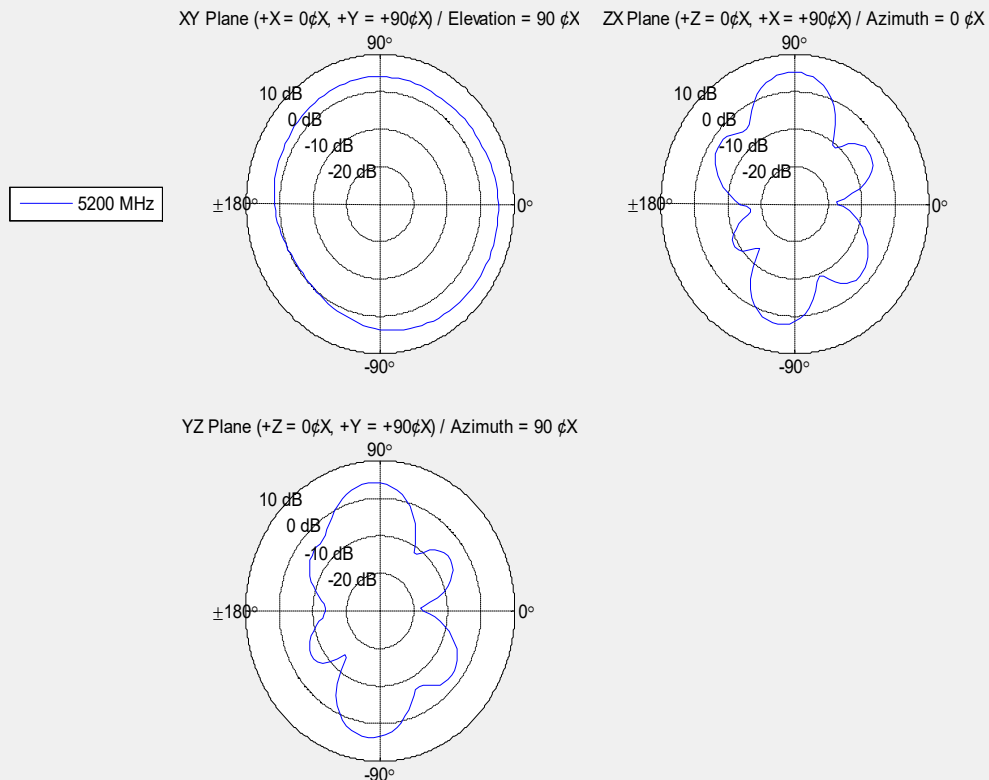


AP210-DB V3

RFA-25-T200-N1-C262

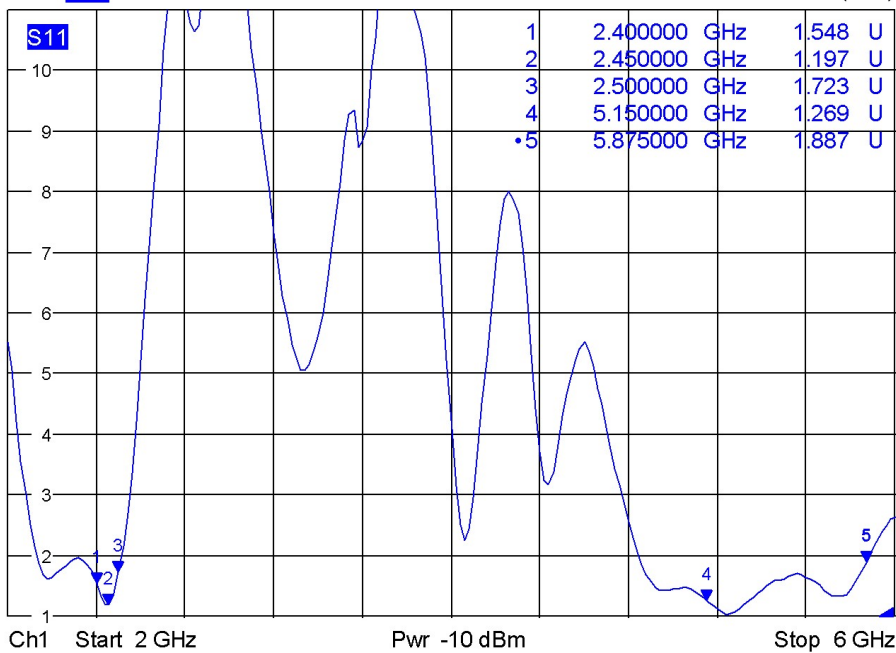
Frequency (MHz)	3D			V+H Avg. Gain			V+H Peak Gain		
	Efficiency	Avg. Gain	Peak Gain	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5200.00	79.28	-1.01	5.63	3.62	-2.06	-1.97	5.60	4.19	5.26

5G Band = 4900 - 5975 MHz



Trc3 S11 SWR 1 U / Ref 1 U Cal int Smo

3 of 2 (Max)



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XZ

2

Phi=0(deg)

Frequency	角度	Gain . dB
5.2E+09	-180	-13.8079
5.2E+09	-179	-14.3579
5.2E+09	-178	-14.9014
5.2E+09	-177	-15.4235
5.2E+09	-176	-15.9038
5.2E+09	-175	-16.3163
5.2E+09	-174	-16.6313
5.2E+09	-173	-16.8202
5.2E+09	-172	-16.8623
5.2E+09	-171	-16.751
5.2E+09	-170	-16.4963
5.2E+09	-169	-16.1217
5.2E+09	-168	-15.6579
5.2E+09	-167	-15.1358
5.2E+09	-166	-14.5824
5.2E+09	-165	-14.0191
5.2E+09	-164	-13.4614
5.2E+09	-163	-12.9204
5.2E+09	-162	-12.4032
5.2E+09	-161	-11.9147
5.2E+09	-160	-11.4579
5.2E+09	-159	-11.0346
5.2E+09	-158	-10.6459
5.2E+09	-157	-10.2925
5.2E+09	-156	-9.97495
5.2E+09	-155	-9.69353
5.2E+09	-154	-9.4487
5.2E+09	-153	-9.24094
5.2E+09	-152	-9.07088
5.2E+09	-151	-8.93933
5.2E+09	-150	-8.84732
5.2E+09	-149	-8.7961
5.2E+09	-148	-8.7872
5.2E+09	-147	-8.82245
5.2E+09	-146	-8.904
5.2E+09	-145	-9.03431
5.2E+09	-144	-9.21621
5.2E+09	-143	-9.45277
5.2E+09	-142	-9.74724

YZ

2

Phi=90.00000000000002(deg)

Frequency	角度	Gain . dB
5.2E+09	-180	-13.8079
5.2E+09	-179	-13.7307
5.2E+09	-178	-13.6028
5.2E+09	-177	-13.4274
5.2E+09	-176	-13.2089
5.2E+09	-175	-12.9525
5.2E+09	-174	-12.6638
5.2E+09	-173	-12.3489
5.2E+09	-172	-12.0137
5.2E+09	-171	-11.6637
5.2E+09	-170	-11.3041
5.2E+09	-169	-10.9396
5.2E+09	-168	-10.5743
5.2E+09	-167	-10.212
5.2E+09	-166	-9.85568
5.2E+09	-165	-9.50817
5.2E+09	-164	-9.17181
5.2E+09	-163	-8.84865
5.2E+09	-162	-8.54046
5.2E+09	-161	-8.24881
5.2E+09	-160	-7.97513
5.2E+09	-159	-7.72069
5.2E+09	-158	-7.48671
5.2E+09	-157	-7.27433
5.2E+09	-156	-7.0847
5.2E+09	-155	-6.91896
5.2E+09	-154	-6.7783
5.2E+09	-153	-6.66397
5.2E+09	-152	-6.57731
5.2E+09	-151	-6.51978
5.2E+09	-150	-6.493
5.2E+09	-149	-6.49878
5.2E+09	-148	-6.53914
5.2E+09	-147	-6.61639
5.2E+09	-146	-6.73317
5.2E+09	-145	-6.89252
5.2E+09	-144	-7.09794
5.2E+09	-143	-7.35347
5.2E+09	-142	-7.66383

5.2E+09	-141	-10.1028	5.2E+09	-141	-8.03443
5.2E+09	-140	-10.5218	5.2E+09	-140	-8.47148
5.2E+09	-139	-11.005	5.2E+09	-139	-8.98188
5.2E+09	-138	-11.5494	5.2E+09	-138	-9.57293
5.2E+09	-137	-12.1443	5.2E+09	-137	-10.2514
5.2E+09	-136	-12.7655	5.2E+09	-136	-11.0212
5.2E+09	-135	-13.3659	5.2E+09	-135	-11.878
5.2E+09	-134	-13.8666	5.2E+09	-134	-12.7983
5.2E+09	-133	-14.1588	5.2E+09	-133	-13.7168
5.2E+09	-132	-14.1339	5.2E+09	-132	-14.4967
5.2E+09	-131	-13.7407	5.2E+09	-131	-14.9215
5.2E+09	-130	-13.0198	5.2E+09	-130	-14.786
5.2E+09	-129	-12.0755	5.2E+09	-129	-14.0665
5.2E+09	-128	-11.0189	5.2E+09	-128	-12.9442
5.2E+09	-127	-9.93297	5.2E+09	-127	-11.6449
5.2E+09	-126	-8.86814	5.2E+09	-126	-10.323
5.2E+09	-125	-7.85079	5.2E+09	-125	-9.05563
5.2E+09	-124	-6.89262	5.2E+09	-124	-7.87269
5.2E+09	-123	-5.99719	5.2E+09	-123	-6.78118
5.2E+09	-122	-5.16393	5.2E+09	-122	-5.77829
5.2E+09	-121	-4.3903	5.2E+09	-121	-4.8576
5.2E+09	-120	-3.67298	5.2E+09	-120	-4.01184
5.2E+09	-119	-3.00845	5.2E+09	-119	-3.234
5.2E+09	-118	-2.39333	5.2E+09	-118	-2.51776
5.2E+09	-117	-1.82446	5.2E+09	-117	-1.85757
5.2E+09	-116	-1.29901	5.2E+09	-116	-1.24863
5.2E+09	-115	-0.81443	5.2E+09	-115	-0.68681
5.2E+09	-114	-0.36845	5.2E+09	-114	-0.16854
5.2E+09	-113	0.040901	5.2E+09	-113	0.309221
5.2E+09	-112	0.415381	5.2E+09	-112	0.749125
5.2E+09	-111	0.756524	5.2E+09	-111	1.153456
5.2E+09	-110	1.065671	5.2E+09	-110	1.524195
5.2E+09	-109	1.343996	5.2E+09	-109	1.863071
5.2E+09	-108	1.592518	5.2E+09	-108	2.171587
5.2E+09	-107	1.812121	5.2E+09	-107	2.451064
5.2E+09	-106	2.003565	5.2E+09	-106	2.702655
5.2E+09	-105	2.167497	5.2E+09	-105	2.927375
5.2E+09	-104	2.304464	5.2E+09	-104	3.126112
5.2E+09	-103	2.414915	5.2E+09	-103	3.299648
5.2E+09	-102	2.499211	5.2E+09	-102	3.448666
5.2E+09	-101	2.557631	5.2E+09	-101	3.573767
5.2E+09	-100	2.590372	5.2E+09	-100	3.675469
5.2E+09	-99	2.597552	5.2E+09	-99	3.754224
5.2E+09	-98	2.579216	5.2E+09	-98	3.81042
5.2E+09	-97	2.535331	5.2E+09	-97	3.844386
5.2E+09	-96	2.465787	5.2E+09	-96	3.856396

5.2E+09	-95	2.370401	5.2E+09	-95	3.846671
5.2E+09	-94	2.248904	5.2E+09	-94	3.815388
5.2E+09	-93	2.100951	5.2E+09	-93	3.762673
5.2E+09	-92	1.926105	5.2E+09	-92	3.688613
5.2E+09	-91	1.723844	5.2E+09	-91	3.593247
5.2E+09	-90	1.493544	5.2E+09	-90	3.476577
5.2E+09	-89	1.234486	5.2E+09	-89	3.338562
5.2E+09	-88	0.945844	5.2E+09	-88	3.17912
5.2E+09	-87	0.626685	5.2E+09	-87	2.998135
5.2E+09	-86	0.275965	5.2E+09	-86	2.795448
5.2E+09	-85	-0.10746	5.2E+09	-85	2.570871
5.2E+09	-84	-0.52484	5.2E+09	-84	2.324178
5.2E+09	-83	-0.97746	5.2E+09	-83	2.055121
5.2E+09	-82	-1.46664	5.2E+09	-82	1.763431
5.2E+09	-81	-1.99361	5.2E+09	-81	1.448828
5.2E+09	-80	-2.55938	5.2E+09	-80	1.111042
5.2E+09	-79	-3.16445	5.2E+09	-79	0.749831
5.2E+09	-78	-3.80842	5.2E+09	-78	0.365021
5.2E+09	-77	-4.48933	5.2E+09	-77	-0.04345
5.2E+09	-76	-5.20261	5.2E+09	-76	-0.47548
5.2E+09	-75	-5.93953	5.2E+09	-75	-0.93065
5.2E+09	-74	-6.68513	5.2E+09	-74	-1.40818
5.2E+09	-73	-7.41556	5.2E+09	-73	-1.90666
5.2E+09	-72	-8.09597	5.2E+09	-72	-2.42385
5.2E+09	-71	-8.68063	5.2E+09	-71	-2.95635
5.2E+09	-70	-9.11846	5.2E+09	-70	-3.49917
5.2E+09	-69	-9.36556	5.2E+09	-69	-4.04529
5.2E+09	-68	-9.40094	5.2E+09	-68	-4.58512
5.2E+09	-67	-9.2355	5.2E+09	-67	-5.10614
5.2E+09	-66	-8.90716	5.2E+09	-66	-5.59284
5.2E+09	-65	-8.46613	5.2E+09	-65	-6.02724
5.2E+09	-64	-7.96057	5.2E+09	-64	-6.39043
5.2E+09	-63	-7.4288	5.2E+09	-63	-6.66505
5.2E+09	-62	-6.89782	5.2E+09	-62	-6.83845
5.2E+09	-61	-6.38492	5.2E+09	-61	-6.90545
5.2E+09	-60	-5.90039	5.2E+09	-60	-6.86955
5.2E+09	-59	-5.44974	5.2E+09	-59	-6.74211
5.2E+09	-58	-5.03544	5.2E+09	-58	-6.53986
5.2E+09	-57	-4.65815	5.2E+09	-57	-6.28167
5.2E+09	-56	-4.31743	5.2E+09	-56	-5.98595
5.2E+09	-55	-4.01224	5.2E+09	-55	-5.66886
5.2E+09	-54	-3.74128	5.2E+09	-54	-5.34361
5.2E+09	-53	-3.50311	5.2E+09	-53	-5.02044
5.2E+09	-52	-3.2963	5.2E+09	-52	-4.70695
5.2E+09	-51	-3.11946	5.2E+09	-51	-4.40857
5.2E+09	-50	-2.97132	5.2E+09	-50	-4.12908

5.2E+09	-49	-2.8507	5.2E+09	-49	-3.87103
5.2E+09	-48	-2.75651	5.2E+09	-48	-3.63604
5.2E+09	-47	-2.68781	5.2E+09	-47	-3.42512
5.2E+09	-46	-2.64372	5.2E+09	-46	-3.23883
5.2E+09	-45	-2.62348	5.2E+09	-45	-3.07742
5.2E+09	-44	-2.6264	5.2E+09	-44	-2.94095
5.2E+09	-43	-2.65186	5.2E+09	-43	-2.82936
5.2E+09	-42	-2.69932	5.2E+09	-42	-2.7425
5.2E+09	-41	-2.76827	5.2E+09	-41	-2.68019
5.2E+09	-40	-2.85825	5.2E+09	-40	-2.64222
5.2E+09	-39	-2.96881	5.2E+09	-39	-2.62839
5.2E+09	-38	-3.09952	5.2E+09	-38	-2.63849
5.2E+09	-37	-3.24996	5.2E+09	-37	-2.67232
5.2E+09	-36	-3.41969	5.2E+09	-36	-2.72972
5.2E+09	-35	-3.60822	5.2E+09	-35	-2.8105
5.2E+09	-34	-3.81504	5.2E+09	-34	-2.91449
5.2E+09	-33	-4.03958	5.2E+09	-33	-3.04155
5.2E+09	-32	-4.28116	5.2E+09	-32	-3.19151
5.2E+09	-31	-4.53903	5.2E+09	-31	-3.36419
5.2E+09	-30	-4.81233	5.2E+09	-30	-3.55939
5.2E+09	-29	-5.10007	5.2E+09	-29	-3.7769
5.2E+09	-28	-5.40112	5.2E+09	-28	-4.01647
5.2E+09	-27	-5.71423	5.2E+09	-27	-4.27778
5.2E+09	-26	-6.038	5.2E+09	-26	-4.56047
5.2E+09	-25	-6.37092	5.2E+09	-25	-4.86411
5.2E+09	-24	-6.71138	5.2E+09	-24	-5.18817
5.2E+09	-23	-7.05774	5.2E+09	-23	-5.53204
5.2E+09	-22	-7.40835	5.2E+09	-22	-5.89501
5.2E+09	-21	-7.76169	5.2E+09	-21	-6.27624
5.2E+09	-20	-8.11641	5.2E+09	-20	-6.67481
5.2E+09	-19	-8.47146	5.2E+09	-19	-7.08969
5.2E+09	-18	-8.82623	5.2E+09	-18	-7.51976
5.2E+09	-17	-9.18063	5.2E+09	-17	-7.96387
5.2E+09	-16	-9.53519	5.2E+09	-16	-8.42083
5.2E+09	-15	-9.89113	5.2E+09	-15	-8.88955
5.2E+09	-14	-10.2504	5.2E+09	-14	-9.36902
5.2E+09	-13	-10.6157	5.2E+09	-13	-9.85848
5.2E+09	-12	-10.9905	5.2E+09	-12	-10.3575
5.2E+09	-11	-11.3786	5.2E+09	-11	-10.8659
5.2E+09	-10	-11.7846	5.2E+09	-10	-11.3842
5.2E+09	-9	-12.2133	5.2E+09	-9	-11.9132
5.2E+09	-8	-12.6693	5.2E+09	-8	-12.4542
5.2E+09	-7	-13.1573	5.2E+09	-7	-13.0089
5.2E+09	-6	-13.6807	5.2E+09	-6	-13.5787
5.2E+09	-5	-14.2407	5.2E+09	-5	-14.1647
5.2E+09	-4	-14.8349	5.2E+09	-4	-14.7665

5.2E+09	-3	-15.4542	5.2E+09	-3	-15.3805
5.2E+09	-2	-16.078	5.2E+09	-2	-15.9984
5.2E+09	-1	-16.6691	5.2E+09	-1	-16.6037
5.2E+09	0	-17.1684	5.2E+09	0	-17.1684
5.2E+09	1	-17.4973	5.2E+09	1	-17.6503
5.2E+09	2	-17.5763	5.2E+09	2	-17.9947
5.2E+09	3	-17.3587	5.2E+09	3	-18.1443
5.2E+09	4	-16.8571	5.2E+09	4	-18.0582
5.2E+09	5	-16.1362	5.2E+09	5	-17.7307
5.2E+09	6	-15.2801	5.2E+09	6	-17.1946
5.2E+09	7	-14.3631	5.2E+09	7	-16.5071
5.2E+09	8	-13.4374	5.2E+09	8	-15.7288
5.2E+09	9	-12.5353	5.2E+09	9	-14.9102
5.2E+09	10	-11.6745	5.2E+09	10	-14.0874
5.2E+09	11	-10.8635	5.2E+09	11	-13.2835
5.2E+09	12	-10.1055	5.2E+09	12	-12.5124
5.2E+09	13	-9.40052	5.2E+09	13	-11.7814
5.2E+09	14	-8.74734	5.2E+09	14	-11.0939
5.2E+09	15	-8.14383	5.2E+09	15	-10.4509
5.2E+09	16	-7.58766	5.2E+09	16	-9.85201
5.2E+09	17	-7.07648	5.2E+09	17	-9.29618
5.2E+09	18	-6.60807	5.2E+09	18	-8.78189
5.2E+09	19	-6.18038	5.2E+09	19	-8.30749
5.2E+09	20	-5.79158	5.2E+09	20	-7.87133
5.2E+09	21	-5.44004	5.2E+09	21	-7.47182
5.2E+09	22	-5.12437	5.2E+09	22	-7.10745
5.2E+09	23	-4.84337	5.2E+09	23	-6.77686
5.2E+09	24	-4.59601	5.2E+09	24	-6.47881
5.2E+09	25	-4.38149	5.2E+09	25	-6.2122
5.2E+09	26	-4.19915	5.2E+09	26	-5.97605
5.2E+09	27	-4.04852	5.2E+09	27	-5.76955
5.2E+09	28	-3.9293	5.2E+09	28	-5.59198
5.2E+09	29	-3.84133	5.2E+09	29	-5.44279
5.2E+09	30	-3.78465	5.2E+09	30	-5.32154
5.2E+09	31	-3.75944	5.2E+09	31	-5.22793
5.2E+09	32	-3.76607	5.2E+09	32	-5.1618
5.2E+09	33	-3.80508	5.2E+09	33	-5.12311
5.2E+09	34	-3.87722	5.2E+09	34	-5.112
5.2E+09	35	-3.98342	5.2E+09	35	-5.12871
5.2E+09	36	-4.12484	5.2E+09	36	-5.17368
5.2E+09	37	-4.30286	5.2E+09	37	-5.2475
5.2E+09	38	-4.51909	5.2E+09	38	-5.35091
5.2E+09	39	-4.77539	5.2E+09	39	-5.48486
5.2E+09	40	-5.07382	5.2E+09	40	-5.65045
5.2E+09	41	-5.41662	5.2E+09	41	-5.84899
5.2E+09	42	-5.80606	5.2E+09	42	-6.08193

5.2E+09	43	-6.24427	5.2E+09	43	-6.35084
5.2E+09	44	-6.7328	5.2E+09	44	-6.65738
5.2E+09	45	-7.27184	5.2E+09	45	-7.00311
5.2E+09	46	-7.85893	5.2E+09	46	-7.38932
5.2E+09	47	-8.48664	5.2E+09	47	-7.8166
5.2E+09	48	-9.13889	5.2E+09	48	-8.28421
5.2E+09	49	-9.78552	5.2E+09	49	-8.78898
5.2E+09	50	-10.3762	5.2E+09	50	-9.32362
5.2E+09	51	-10.8375	5.2E+09	51	-9.87411
5.2E+09	52	-11.0829	5.2E+09	52	-10.4162
5.2E+09	53	-11.0409	5.2E+09	53	-10.912
5.2E+09	54	-10.6919	5.2E+09	54	-11.3079
5.2E+09	55	-10.0793	5.2E+09	55	-11.5406
5.2E+09	56	-9.28468	5.2E+09	56	-11.5527
5.2E+09	57	-8.39158	5.2E+09	57	-11.3153
5.2E+09	58	-7.46418	5.2E+09	58	-10.8425
5.2E+09	59	-6.54391	5.2E+09	59	-10.184
5.2E+09	60	-5.65433	5.2E+09	60	-9.40351
5.2E+09	61	-4.80726	5.2E+09	61	-8.55935
5.2E+09	62	-4.00754	5.2E+09	62	-7.69529
5.2E+09	63	-3.25607	5.2E+09	63	-6.84025
5.2E+09	64	-2.5517	5.2E+09	64	-6.01157
5.2E+09	65	-1.89228	5.2E+09	65	-5.21865
5.2E+09	66	-1.27526	5.2E+09	66	-4.46593
5.2E+09	67	-0.69803	5.2E+09	67	-3.75483
5.2E+09	68	-0.15805	5.2E+09	68	-3.0851
5.2E+09	69	0.347046	5.2E+09	69	-2.45556
5.2E+09	70	0.819407	5.2E+09	70	-1.86456
5.2E+09	71	1.26098	5.2E+09	71	-1.31029
5.2E+09	72	1.673505	5.2E+09	72	-0.79094
5.2E+09	73	2.058529	5.2E+09	73	-0.30472
5.2E+09	74	2.41743	5.2E+09	74	0.150014
5.2E+09	75	2.751417	5.2E+09	75	0.574794
5.2E+09	76	3.061566	5.2E+09	76	0.971019
5.2E+09	77	3.348817	5.2E+09	77	1.339958
5.2E+09	78	3.613997	5.2E+09	78	1.682757
5.2E+09	79	3.857825	5.2E+09	79	2.00045
5.2E+09	80	4.08093	5.2E+09	80	2.293967
5.2E+09	81	4.283852	5.2E+09	81	2.564143
5.2E+09	82	4.467052	5.2E+09	82	2.811727
5.2E+09	83	4.630923	5.2E+09	83	3.037391
5.2E+09	84	4.77579	5.2E+09	84	3.241738
5.2E+09	85	4.901916	5.2E+09	85	3.425304
5.2E+09	86	5.00951	5.2E+09	86	3.588572
5.2E+09	87	5.098724	5.2E+09	87	3.731971
5.2E+09	88	5.169662	5.2E+09	88	3.855881

5.2E+09	89	5.222381	5.2E+09	89	3.960641
5.2E+09	90	5.256889	5.2E+09	90	4.046549
5.2E+09	91	5.273151	5.2E+09	91	4.113867
5.2E+09	92	5.27109	5.2E+09	92	4.162827
5.2E+09	93	5.250585	5.2E+09	93	4.193626
5.2E+09	94	5.211472	5.2E+09	94	4.206437
5.2E+09	95	5.153548	5.2E+09	95	4.201407
5.2E+09	96	5.076568	5.2E+09	96	4.178663
5.2E+09	97	4.980245	5.2E+09	97	4.138309
5.2E+09	98	4.864248	5.2E+09	98	4.080436
5.2E+09	99	4.728209	5.2E+09	99	4.005119
5.2E+09	100	4.571716	5.2E+09	100	3.912424
5.2E+09	101	4.394314	5.2E+09	101	3.80241
5.2E+09	102	4.195511	5.2E+09	102	3.675133
5.2E+09	103	3.974777	5.2E+09	103	3.530656
5.2E+09	104	3.731544	5.2E+09	104	3.369047
5.2E+09	105	3.465218	5.2E+09	105	3.190394
5.2E+09	106	3.175187	5.2E+09	106	2.99481
5.2E+09	107	2.86083	5.2E+09	107	2.782442
5.2E+09	108	2.521543	5.2E+09	108	2.553492
5.2E+09	109	2.156768	5.2E+09	109	2.308221
5.2E+09	110	1.766036	5.2E+09	110	2.04698
5.2E+09	111	1.349032	5.2E+09	111	1.77022
5.2E+09	112	0.90569	5.2E+09	112	1.478528
5.2E+09	113	0.436316	5.2E+09	113	1.172654
5.2E+09	114	-0.05822	5.2E+09	114	0.853544
5.2E+09	115	-0.57626	5.2E+09	115	0.522382
5.2E+09	116	-1.11498	5.2E+09	116	0.18063
5.2E+09	117	-1.66999	5.2E+09	117	-0.16992
5.2E+09	118	-2.23477	5.2E+09	118	-0.52713
5.2E+09	119	-2.80014	5.2E+09	119	-0.88843
5.2E+09	120	-3.35362	5.2E+09	120	-1.25086
5.2E+09	121	-3.87926	5.2E+09	121	-1.61101
5.2E+09	122	-4.35799	5.2E+09	122	-1.9651
5.2E+09	123	-4.76901	5.2E+09	123	-2.30904
5.2E+09	124	-5.09252	5.2E+09	124	-2.63856
5.2E+09	125	-5.31334	5.2E+09	125	-2.94942
5.2E+09	126	-5.4243	5.2E+09	126	-3.23762
5.2E+09	127	-5.42816	5.2E+09	127	-3.49973
5.2E+09	128	-5.33685	5.2E+09	128	-3.73308
5.2E+09	129	-5.16865	5.2E+09	129	-3.9361
5.2E+09	130	-4.94443	5.2E+09	130	-4.10838
5.2E+09	131	-4.68451	5.2E+09	131	-4.25078
5.2E+09	132	-4.40655	5.2E+09	132	-4.36532
5.2E+09	133	-4.12481	5.2E+09	133	-4.45504
5.2E+09	134	-3.8501	5.2E+09	134	-4.5237

5.2E+09	135	-3.59026	5.2E+09	135	-4.57556
5.2E+09	136	-3.35075	5.2E+09	136	-4.61505
5.2E+09	137	-3.13516	5.2E+09	137	-4.64659
5.2E+09	138	-2.94577	5.2E+09	138	-4.67438
5.2E+09	139	-2.78389	5.2E+09	139	-4.70226
5.2E+09	140	-2.65014	5.2E+09	140	-4.73369
5.2E+09	141	-2.54467	5.2E+09	141	-4.77168
5.2E+09	142	-2.46731	5.2E+09	142	-4.81879
5.2E+09	143	-2.4177	5.2E+09	143	-4.87721
5.2E+09	144	-2.39529	5.2E+09	144	-4.94871
5.2E+09	145	-2.39948	5.2E+09	145	-5.03474
5.2E+09	146	-2.42961	5.2E+09	146	-5.13645
5.2E+09	147	-2.48495	5.2E+09	147	-5.25474
5.2E+09	148	-2.56478	5.2E+09	148	-5.39026
5.2E+09	149	-2.66835	5.2E+09	149	-5.54349
5.2E+09	150	-2.79489	5.2E+09	150	-5.71472
5.2E+09	151	-2.94365	5.2E+09	151	-5.90408
5.2E+09	152	-3.11382	5.2E+09	152	-6.11156
5.2E+09	153	-3.30462	5.2E+09	153	-6.33701
5.2E+09	154	-3.51523	5.2E+09	154	-6.58015
5.2E+09	155	-3.74481	5.2E+09	155	-6.84057
5.2E+09	156	-3.99252	5.2E+09	156	-7.11773
5.2E+09	157	-4.2575	5.2E+09	157	-7.41095
5.2E+09	158	-4.53886	5.2E+09	158	-7.71937
5.2E+09	159	-4.83572	5.2E+09	159	-8.04201
5.2E+09	160	-5.1472	5.2E+09	160	-8.37769
5.2E+09	161	-5.47243	5.2E+09	161	-8.72504
5.2E+09	162	-5.81059	5.2E+09	162	-9.08247
5.2E+09	163	-6.16087	5.2E+09	163	-9.44816
5.2E+09	164	-6.52257	5.2E+09	164	-9.82006
5.2E+09	165	-6.89506	5.2E+09	165	-10.1958
5.2E+09	166	-7.27786	5.2E+09	166	-10.5728
5.2E+09	167	-7.67062	5.2E+09	167	-10.948
5.2E+09	168	-8.07315	5.2E+09	168	-11.3181
5.2E+09	169	-8.48549	5.2E+09	169	-11.6796
5.2E+09	170	-8.90786	5.2E+09	170	-12.0285
5.2E+09	171	-9.34068	5.2E+09	171	-12.3603
5.2E+09	172	-9.78458	5.2E+09	172	-12.6705
5.2E+09	173	-10.2403	5.2E+09	173	-12.9542
5.2E+09	174	-10.7088	5.2E+09	174	-13.2063
5.2E+09	175	-11.1908	5.2E+09	175	-13.4219
5.2E+09	176	-11.6872	5.2E+09	176	-13.5963
5.2E+09	177	-12.1981	5.2E+09	177	-13.725
5.2E+09	178	-12.7232	5.2E+09	178	-13.8046
5.2E+09	179	-13.2609	5.2E+09	179	-13.8326
5.2E+09	180	-13.8079	5.2E+09	180	-13.8079

