

Annex A

Conducted Spurious Emissions Full Service Mask Filter ATSC 1.0 and ATSC 3.0

- 1_ Output Power at the Power Amplifier (PA) output
- 2_ Measurement Bandwidth Correction Factor
 (Attenuation (dB) = $10 \cdot \log(\text{BW alternate}/500)$
 MBCF (dB) = $10 \cdot \log(6000/500) = 10.79 \text{ dB}$
- 3_ Test Coupler insertion loss + test Cable Insertion loss
- 4_ Corrected Power at Mask Filter Input
 Corrected Power (dBm) = Output Power at PA output (dBm) + MBCF (dB) - Test Coupler Insertion Loss (dB) - Test Cable Insertion Loss (dB)
- 5_ Lowpass Filter Insertion Loss
- 6_ Mask Filter Insertion Loss
- 7_ Conducted Spurious Signal Level
 Final Signal Level (dBm) = Corrected Power (dBm) + Lowpass Filter Insertion Loss (dB) + Mask Filter Insertion Loss (dB)
- 9_ Reference Level
 Reference Level (dBm) = Channel Power (dBm)
- 10_ Final Conducted Spurious Signal Level
 Final Conducted Spurious Signal Level (dBm) = Conducted Spurious Signal Level (dBm) - Reference Level (dBm)

Table 1
542– 560 MHz _ ATSC 1.0

Freq MHz	1 dBm	2 dB	3 dB	4 dBm	5 dB	6 dB	7 dB	8 dBm	9 dBm	Limit dBC	Margin dB
542	-57.40	-10.79	-50.82	-17.37	-0.09	-65.39	-82.85	53.98	-136.83	-110.40	-26.43
542.045	-57.30	-10.79	-50.87	-17.21	-0.08	-65.72	-83.02	53.98	-137.00	-109.88	-27.11
542.09	-57.52	-10.79	-50.92	-17.39	-0.08	-65.34	-82.81	53.98	-136.79	-109.37	-27.43
542.135	-57.42	-10.79	-50.95	-17.26	-0.07	-65.32	-82.64	53.98	-136.62	-108.85	-27.77
542.18	-57.68	-10.79	-50.94	-17.53	-0.08	-65.36	-82.98	53.98	-136.96	-108.33	-28.63
542.225	-57.63	-10.79	-50.91	-17.51	-0.07	-65.58	-83.16	53.98	-137.14	-107.81	-29.33
542.27	-57.51	-10.79	-50.92	-17.38	-0.08	-65.66	-83.12	53.98	-137.10	-107.30	-29.80
542.315	-57.83	-10.79	-50.89	-17.73	-0.09	-65.56	-83.39	53.98	-137.37	-106.78	-30.59
542.36	-57.64	-10.79	-50.94	-17.50	-0.07	-65.64	-83.21	53.98	-137.19	-106.26	-30.93
542.405	-57.24	-10.79	-50.88	-17.15	-0.08	-65.83	-83.07	53.98	-137.05	-105.74	-31.30
542.45	-57.44	-10.79	-50.87	-17.36	-0.08	-65.68	-83.11	53.98	-137.09	-105.22	-31.87
542.495	-57.43	-10.79	-50.94	-17.28	-0.08	-65.68	-83.04	53.98	-137.02	-104.71	-32.31
542.54	-57.33	-10.79	-50.91	-17.21	-0.08	-65.66	-82.94	53.98	-136.92	-104.19	-32.73
542.585	-57.10	-10.79	-50.93	-16.97	-0.08	-65.75	-82.80	53.98	-136.78	-103.67	-33.10
542.63	-57.13	-10.79	-50.91	-17.01	-0.09	-65.67	-82.77	53.98	-136.75	-103.16	-33.59
542.675	-57.36	-10.79	-50.84	-17.31	-0.08	-65.48	-82.88	53.98	-136.86	-102.64	-34.22
542.72	-57.53	-10.79	-50.88	-17.43	-0.08	-65.94	-83.45	53.98	-137.43	-102.12	-35.31
542.765	-57.36	-10.79	-50.89	-17.26	-0.07	-65.95	-83.27	53.98	-137.25	-101.60	-35.65

542.81	-57.23	-10.79	-50.93	-17.09	-0.08	-66.12	-83.29	53.98	-137.27	-101.09	-36.18
542.855	-56.98	-10.79	-50.92	-16.85	-0.09	-66.08	-83.02	53.98	-137.00	-100.57	-36.43
542.9	-56.71	-10.79	-50.92	-16.58	-0.08	-66.07	-82.74	53.98	-136.72	-100.05	-36.67
542.945	-56.88	-10.79	-50.91	-16.76	-0.08	-66.50	-83.33	53.98	-137.31	-99.53	-37.78
542.99	-57.39	-10.79	-50.94	-17.25	-0.08	-66.52	-83.84	53.98	-137.82	-99.01	-38.80
543.035	-57.20	-10.79	-50.88	-17.12	-0.09	-66.66	-83.87	53.98	-137.85	-98.50	-39.35
543.08	-56.99	-10.79	-50.89	-16.88	-0.09	-67.07	-84.04	53.98	-138.02	-97.98	-40.04
543.125	-56.84	-10.79	-50.94	-16.69	-0.08	-67.35	-84.12	53.98	-138.10	-97.46	-40.64
543.17	-57.21	-10.79	-50.92	-17.08	-0.09	-67.59	-84.76	53.98	-138.74	-96.95	-41.79
543.215	-57.16	-10.79	-50.88	-17.07	-0.08	-67.84	-84.98	53.98	-138.96	-96.43	-42.54
543.26	-56.45	-10.79	-50.93	-16.31	-0.07	-68.42	-84.80	53.98	-138.78	-95.91	-42.87
543.305	-56.58	-10.79	-50.95	-16.42	-0.09	-68.52	-85.03	53.98	-139.01	-95.39	-43.62
543.35	-56.88	-10.79	-50.91	-16.75	-0.09	-68.96	-85.81	53.98	-139.79	-94.87	-44.91
543.395	-57.02	-10.79	-50.86	-16.95	-0.06	-69.40	-86.41	53.98	-140.39	-94.36	-46.03
543.44	-56.98	-10.79	-50.87	-16.90	-0.09	-70.38	-87.36	53.98	-141.34	-93.84	-47.50
543.485	-56.96	-10.79	-50.91	-16.84	-0.08	-70.73	-87.64	53.98	-141.62	-93.32	-48.30
543.53	-56.63	-10.79	-50.92	-16.50	-0.07	-71.42	-88.00	53.98	-141.98	-92.81	-49.17
543.575	-56.40	-10.79	-50.83	-16.37	-0.08	-72.49	-88.94	53.98	-142.92	-92.29	-50.63
543.62	-56.11	-10.79	-50.83	-16.06	-0.09	-73.03	-89.18	53.98	-143.16	-91.77	-51.39
543.665	-56.28	-10.79	-50.94	-16.13	-0.08	-74.47	-90.69	53.98	-144.67	-91.25	-53.42
543.71	-56.62	-10.79	-50.91	-16.50	-0.08	-76.19	-92.76	53.98	-146.74	-90.73	-56.00
543.755	-56.41	-10.79	-50.92	-16.27	-0.07	-79.19	-95.53	53.98	-149.51	-90.22	-59.30
543.8	-56.39	-10.79	-50.94	-16.24	-0.08	-78.95	-95.28	53.98	-149.26	-89.70	-59.56
543.845	-56.55	-10.79	-50.94	-16.39	-0.07	-77.17	-93.64	53.98	-147.62	-89.18	-58.44
543.89	-56.34	-10.79	-50.90	-16.24	-0.08	-74.55	-90.86	53.98	-144.84	-88.67	-56.17
543.935	-56.42	-10.79	-50.91	-16.30	-0.08	-73.11	-89.49	53.98	-143.47	-88.15	-55.32
543.98	-56.85	-10.79	-50.89	-16.75	-0.09	-71.52	-88.35	53.98	-142.33	-87.63	-54.70
544.025	-56.79	-10.79	-50.90	-16.67	-0.09	-69.29	-86.05	53.98	-140.03	-87.11	-52.92
544.07	-56.55	-10.79	-50.92	-16.42	-0.07	-68.03	-84.52	53.98	-138.50	-86.59	-51.90
544.115	-56.51	-10.79	-50.88	-16.42	-0.07	-66.58	-83.08	53.98	-137.06	-86.08	-50.98
544.16	-56.38	-10.79	-50.93	-16.24	-0.09	-65.06	-81.39	53.98	-135.37	-85.56	-49.81
544.205	-56.49	-10.79	-50.92	-16.36	-0.11	-63.83	-80.29	53.98	-134.27	-85.04	-49.23
544.25	-56.14	-10.79	-50.90	-16.04	-0.08	-62.82	-78.94	53.98	-132.92	-84.53	-48.39
544.295	-56.40	-10.79	-50.92	-16.27	-0.07	-61.81	-78.15	53.98	-132.13	-84.01	-48.13
544.34	-56.37	-10.79	-50.87	-16.29	-0.10	-60.80	-77.18	53.98	-131.16	-83.49	-47.67
544.385	-56.17	-10.79	-50.89	-16.07	-0.08	-59.59	-75.74	53.98	-129.72	-82.97	-46.75
544.43	-56.22	-10.79	-50.90	-16.11	-0.10	-58.80	-75.02	53.98	-129.00	-82.46	-46.54
544.475	-56.13	-10.79	-50.86	-16.06	-0.09	-57.80	-73.95	53.98	-127.93	-81.94	-45.99
544.52	-55.98	-10.79	-50.93	-15.84	-0.08	-56.95	-72.88	53.98	-126.86	-81.42	-45.44
544.565	-55.47	-10.79	-50.86	-15.40	-0.09	-56.01	-71.50	53.98	-125.48	-80.90	-44.57

544.61	-55.32	-10.79	-50.91	-15.20	-0.09	-55.16	-70.44	53.98	-124.42	-80.38	-44.04
544.655	-55.62	-10.79	-50.90	-15.51	-0.08	-54.38	-69.97	53.98	-123.95	-79.87	-44.08
544.7	-55.84	-10.79	-50.91	-15.72	-0.10	-53.64	-69.45	53.98	-123.43	-79.35	-44.08
544.745	-56.42	-10.79	-50.85	-16.37	-0.08	-52.89	-69.33	53.98	-123.31	-78.83	-44.48
544.79	-56.37	-10.79	-50.90	-16.26	-0.09	-52.14	-68.49	53.98	-122.46	-78.32	-44.15
544.835	-56.72	-10.79	-50.91	-16.60	-0.08	-51.30	-67.98	53.98	-121.96	-77.80	-44.16
544.88	-56.51	-10.79	-50.91	-16.38	-0.09	-50.55	-67.02	53.98	-121.00	-77.28	-43.72
544.925	-56.21	-10.79	-50.91	-16.08	-0.09	-49.84	-66.01	53.98	-119.99	-76.76	-43.23
544.97	-56.24	-10.79	-50.88	-16.15	-0.09	-49.08	-65.32	53.98	-119.30	-76.24	-43.05
545.015	-56.03	-10.79	-50.94	-15.88	-0.08	-48.38	-64.33	53.98	-118.31	-75.73	-42.58
545.06	-56.02	-10.79	-50.87	-15.94	-0.08	-47.73	-63.75	53.98	-117.73	-75.21	-42.52
545.105	-55.83	-10.79	-50.92	-15.70	-0.08	-47.05	-62.82	53.98	-116.80	-74.69	-42.11
545.15	-56.00	-10.79	-50.94	-15.85	-0.10	-46.38	-62.33	53.98	-116.31	-74.18	-42.14
545.195	-55.98	-10.79	-50.95	-15.82	-0.09	-45.68	-61.58	53.98	-115.56	-73.66	-41.91
545.24	-56.71	-10.79	-50.92	-16.58	-0.09	-44.95	-61.62	53.98	-115.60	-73.14	-42.46
545.285	-56.10	-10.79	-50.93	-15.96	-0.09	-44.29	-60.34	53.98	-114.32	-72.62	-41.70
545.33	-55.88	-10.79	-50.88	-15.79	-0.07	-43.63	-59.49	53.98	-113.47	-72.10	-41.37
545.375	-56.22	-10.79	-50.95	-16.06	-0.08	-42.85	-58.99	53.98	-112.97	-71.59	-41.38
545.42	-56.02	-10.79	-50.93	-15.88	-0.09	-42.27	-58.24	53.98	-112.22	-71.07	-41.15
545.465	-55.55	-10.79	-50.95	-15.39	-0.08	-41.60	-57.07	53.98	-111.05	-70.55	-40.50
545.51	-55.90	-10.79	-50.94	-15.75	-0.08	-40.91	-56.74	53.98	-110.71	-70.04	-40.68
545.555	-55.83	-10.79	-50.89	-15.72	-0.10	-40.27	-56.09	53.98	-110.07	-69.52	-40.55
545.6	-55.97	-10.79	-50.91	-15.85	-0.09	-39.59	-55.53	53.98	-109.51	-69.00	-40.51
545.645	-56.03	-10.79	-50.92	-15.90	-0.08	-38.93	-54.92	53.98	-108.89	-68.48	-40.41
545.69	-56.11	-10.79	-50.92	-15.98	-0.09	-38.30	-54.36	53.98	-108.34	-67.96	-40.38
545.735	-55.78	-10.79	-50.93	-15.63	-0.07	-37.63	-53.34	53.98	-107.32	-67.45	-39.87
545.78	-55.78	-10.79	-50.89	-15.68	-0.09	-36.96	-52.72	53.98	-106.70	-66.93	-39.77
545.825	-55.58	-10.79	-50.93	-15.44	-0.09	-36.31	-51.84	53.98	-105.82	-66.41	-39.41
545.87	-55.37	-10.79	-50.89	-15.27	-0.10	-35.66	-51.03	53.98	-105.01	-65.89	-39.11
545.915	-55.56	-10.79	-50.90	-15.45	-0.09	-34.99	-50.53	53.98	-104.51	-65.38	-39.13
545.96	-55.96	-10.79	-50.89	-15.86	-0.10	-34.34	-50.29	53.98	-104.27	-64.86	-39.41
546.005	-55.77	-10.79	-50.92	-15.63	-0.10	-33.65	-49.39	53.98	-103.37	-64.34	-39.02
546.05	-55.56	-10.79	-50.98	-15.37	-0.09	-33.01	-48.46	53.98	-102.44	-63.83	-38.62
546.095	-55.61	-10.79	-50.92	-15.48	-0.10	-32.34	-47.92	53.98	-101.90	-63.31	-38.59
546.14	-55.53	-10.79	-50.94	-15.39	-0.09	-31.69	-47.17	53.98	-101.15	-62.79	-38.36
546.185	-55.84	-10.79	-50.82	-15.81	-0.09	-31.01	-46.90	53.98	-100.88	-62.27	-38.61
546.23	-56.37	-10.79	-50.97	-16.20	-0.08	-30.31	-46.59	53.98	-100.57	-61.75	-38.81
546.275	-56.37	-10.79	-50.89	-16.27	-0.10	-29.67	-46.04	53.98	-100.02	-61.24	-38.78
546.32	-56.20	-10.79	-50.91	-16.08	-0.09	-28.98	-45.15	53.98	-99.13	-60.72	-38.41
546.365	-55.84	-10.79	-50.85	-15.77	-0.10	-28.31	-44.18	53.98	-98.16	-60.20	-37.96

546.41	-55.81	-10.79	-50.89	-15.71	-0.10	-27.64	-43.45	53.98	-97.43	-59.69	-37.74
546.455	-55.36	-10.79	-50.89	-15.25	-0.10	-26.98	-42.33	53.98	-96.31	-59.17	-37.14
546.5	-55.35	-10.79	-50.87	-15.27	-0.10	-26.28	-41.65	53.98	-95.63	-58.65	-36.98
546.545	-55.64	-10.79	-50.90	-15.53	-0.09	-25.62	-41.23	53.98	-95.21	-58.13	-37.08
546.59	-55.68	-10.79	-50.92	-15.54	-0.09	-24.95	-40.58	53.98	-94.56	-57.61	-36.94
546.635	-55.06	-10.79	-50.92	-14.93	-0.09	-24.29	-39.31	53.98	-93.29	-57.10	-36.19
546.68	-54.95	-10.79	-50.93	-14.81	-0.10	-23.60	-38.52	53.98	-92.50	-56.58	-35.92
546.725	-55.00	-10.79	-50.89	-14.90	-0.11	-22.93	-37.93	53.98	-91.91	-56.06	-35.85
546.77	-55.44	-10.79	-50.89	-15.34	-0.09	-22.23	-37.66	53.98	-91.64	-55.55	-36.10
546.815	-55.63	-10.79	-50.89	-15.53	-0.07	-21.63	-37.23	53.98	-91.21	-55.03	-36.18
546.86	-55.88	-10.79	-50.91	-15.76	-0.10	-20.99	-36.85	53.98	-90.83	-54.51	-36.32
546.905	-55.65	-10.79	-50.96	-15.47	-0.09	-20.34	-35.90	53.98	-89.88	-53.99	-35.89
546.95	-55.76	-10.79	-50.90	-15.65	-0.09	-19.72	-35.46	53.98	-89.44	-53.47	-35.97
546.995	-55.90	-10.79	-50.92	-15.77	-0.09	-19.11	-34.98	53.98	-88.96	-52.96	-36.00
547.04	-55.45	-10.79	-50.90	-15.34	-0.10	-18.56	-34.01	53.98	-87.98	-52.44	-35.54
547.085	-55.06	-10.79	-50.90	-14.95	-0.10	-18.02	-33.07	53.98	-87.05	-51.92	-35.12
547.13	-55.09	-10.79	-50.92	-14.96	-0.10	-17.54	-32.59	53.98	-86.57	-51.41	-35.17
547.175	-55.18	-10.79	-50.90	-15.07	-0.10	-17.07	-32.24	53.98	-86.22	-50.89	-35.34
547.22	-55.16	-10.79	-50.92	-15.03	-0.10	-16.73	-31.86	53.98	-85.84	-50.37	-35.47
547.265	-55.08	-10.79	-50.89	-14.98	-0.10	-16.46	-31.54	53.98	-85.52	-49.85	-35.67
547.31	-55.19	-10.79	-50.95	-15.04	-0.09	-16.33	-31.46	53.98	-85.44	-49.34	-36.10
547.355	-55.37	-10.79	-50.94	-15.21	-0.10	-16.34	-31.65	53.98	-85.63	-48.82	-36.81
547.4	-55.74	-10.79	-50.87	-15.66	-0.11	-16.47	-32.24	53.98	-86.22	-48.30	-37.92
547.445	-55.50	-10.79	-50.92	-15.37	-0.09	-16.87	-32.33	53.98	-86.30	-47.78	-38.52
547.49	-55.34	-10.79	-50.92	-15.21	-0.11	-17.71	-33.02	53.98	-87.00	-47.26	-39.74
547.535	-55.01	-10.79	-50.92	-14.88	-0.10	-18.45	-33.43	53.98	-87.41	-47.00	-40.41
547.58	-55.31	-10.79	-50.94	-15.16	-0.11	-13.58	-28.85	53.98	-82.83	-47.00	-35.83
547.625	-55.49	-10.79	-50.94	-15.34	-0.11	-9.77	-25.22	53.98	-79.20	-47.00	-32.20
547.67	-55.28	-10.79	-50.90	-15.16	-0.09	-6.88	-22.13	53.98	-76.11	-47.00	-29.11
547.715	-54.76	-10.79	-50.93	-14.62	-0.11	-4.79	-19.51	53.98	-73.49	-47.00	-26.49
547.76	-54.64	-10.79	-50.94	-14.50	-0.10	-3.54	-18.14	53.98	-72.12	-47.00	-25.12
547.805	-54.15	-10.79	-50.95	-13.99	-0.11	-2.81	-16.91	53.98	-70.89	-47.00	-23.89
547.85	-54.31	-10.79	-50.97	-14.13	-0.10	-2.31	-16.54	53.98	-70.52	-47.00	-23.52
547.895	-51.02	-10.79	-50.91	-10.90	-0.10	-2.03	-13.03	53.98	-67.01	-47.00	-20.01
547.94	-43.57	-10.79	-50.87	-3.49	-0.11	-1.81	-5.40	53.98	-59.38	-47.00	-12.38
547.985	-35.24	-10.79	-50.88	4.85	-0.11	-1.65	3.09	53.98	-50.89	-47.00	-3.89
548	In - Band Exclusion (548 - 554 MHz)										
554											
554.015	-34.52	-10.79	-50.93	5.63	-0.11	-1.56	3.96	53.98	-50.02	-47.00	-3.02
554.06	-42.00	-10.79	-50.92	-1.87	-0.12	-1.70	-3.68	53.98	-57.66	-47.00	-10.66

554.105	-49.79	-10.79	-50.96	-9.62	-0.12	-1.87	-11.61	53.98	-65.59	-47.00	-18.59
554.15	-54.26	-10.79	-50.93	-14.13	-0.11	-2.10	-16.34	53.98	-70.32	-47.00	-23.32
554.195	-55.37	-10.79	-50.94	-15.23	-0.13	-2.45	-17.80	53.98	-71.78	-47.00	-24.78
554.24	-55.22	-10.79	-50.90	-15.11	-0.12	-3.03	-18.26	53.98	-72.24	-47.00	-25.24
554.285	-54.88	-10.79	-50.90	-14.77	-0.12	-3.96	-18.85	53.98	-72.83	-47.00	-25.83
554.33	-55.33	-10.79	-50.91	-15.21	-0.12	-5.52	-20.85	53.98	-74.83	-47.00	-27.83
554.375	-55.21	-10.79	-50.93	-15.08	-0.13	-7.96	-23.17	53.98	-77.15	-47.00	-30.15
554.42	-54.76	-10.79	-50.93	-14.62	-0.11	-11.51	-26.24	53.98	-80.22	-47.00	-33.22
554.465	-55.37	-10.79	-50.96	-15.20	-0.12	-16.17	-31.48	53.98	-85.46	-47.00	-38.46
554.51	-55.80	-10.79	-50.93	-15.66	-0.13	-18.90	-34.69	53.98	-88.67	-47.26	-41.40
554.555	-55.41	-10.79	-50.93	-15.26	-0.12	-17.86	-33.25	53.98	-87.23	-47.78	-39.44
554.6	-54.80	-10.79	-50.94	-14.65	-0.12	-17.36	-32.13	53.98	-86.11	-48.30	-37.81
554.645	-55.06	-10.79	-50.90	-14.94	-0.11	-17.24	-32.30	53.98	-86.28	-48.82	-37.46
554.69	-55.42	-10.79	-50.95	-15.27	-0.11	-17.25	-32.63	53.98	-86.61	-49.34	-37.27
554.735	-55.35	-10.79	-50.92	-15.22	-0.12	-17.39	-32.73	53.98	-86.71	-49.85	-36.86
554.78	-54.94	-10.79	-50.97	-14.76	-0.12	-17.69	-32.57	53.98	-86.55	-50.37	-36.18
554.825	-54.85	-10.79	-50.94	-14.70	-0.12	-18.10	-32.92	53.98	-86.90	-50.89	-36.01
554.87	-55.09	-10.79	-50.95	-14.93	-0.12	-18.59	-33.63	53.98	-87.61	-51.41	-36.20
554.915	-55.41	-10.79	-50.92	-15.29	-0.12	-19.15	-34.56	53.98	-88.54	-51.92	-36.62
554.96	-55.39	-10.79	-50.89	-15.29	-0.12	-19.74	-35.14	53.98	-89.12	-52.44	-36.68
555.005	-55.33	-10.79	-50.92	-15.20	-0.11	-20.37	-35.68	53.98	-89.66	-52.96	-36.70
555.05	-55.93	-10.79	-50.94	-15.78	-0.11	-21.03	-36.92	53.98	-90.90	-53.47	-37.42
555.095	-55.96	-10.79	-50.94	-15.81	-0.12	-21.69	-37.62	53.98	-91.60	-53.99	-37.61
555.14	-55.83	-10.79	-50.89	-15.74	-0.12	-22.39	-38.24	53.98	-92.22	-54.51	-37.71
555.185	-56.15	-10.79	-50.93	-16.01	-0.12	-23.08	-39.20	53.98	-93.18	-55.03	-38.16
555.23	-55.74	-10.79	-50.92	-15.60	-0.13	-23.79	-39.52	53.98	-93.50	-55.55	-37.95
555.275	-55.46	-10.79	-50.94	-15.31	-0.12	-24.51	-39.94	53.98	-93.92	-56.06	-37.86
555.32	-55.28	-10.79	-50.91	-15.15	-0.13	-25.20	-40.48	53.98	-94.46	-56.58	-37.88
555.365	-54.87	-10.79	-50.93	-14.74	-0.11	-25.90	-40.75	53.98	-94.73	-57.10	-37.63
555.41	-55.00	-10.79	-50.91	-14.88	-0.12	-26.62	-41.61	53.98	-95.59	-57.61	-37.98
555.455	-55.48	-10.79	-50.88	-15.39	-0.11	-27.31	-42.82	53.98	-96.80	-58.13	-38.67
555.5	-55.84	-10.79	-50.92	-15.71	-0.11	-28.03	-43.85	53.98	-97.83	-58.65	-39.18
555.545	-55.70	-10.79	-50.90	-15.59	-0.11	-28.73	-44.43	53.98	-98.41	-59.17	-39.24
555.59	-55.64	-10.79	-50.92	-15.51	-0.12	-29.44	-45.07	53.98	-99.05	-59.69	-39.36
555.635	-55.87	-10.79	-50.94	-15.72	-0.12	-30.12	-45.95	53.98	-99.93	-60.20	-39.73
555.68	-56.14	-10.79	-50.93	-16.00	-0.12	-30.84	-46.96	53.98	-100.94	-60.72	-40.22
555.725	-55.85	-10.79	-50.96	-15.68	-0.11	-31.53	-47.32	53.98	-101.30	-61.24	-40.07
555.77	-55.88	-10.79	-50.97	-15.70	-0.11	-32.21	-48.02	53.98	-102.00	-61.75	-40.24
555.815	-55.67	-10.79	-50.95	-15.50	-0.13	-32.91	-48.54	53.98	-102.52	-62.27	-40.25
555.86	-55.34	-10.79	-50.95	-15.18	-0.11	-33.61	-48.91	53.98	-102.89	-62.79	-40.10

555.905	-55.50	-10.79	-50.96	-15.33	-0.11	-34.31	-49.75	53.98	-103.73	-63.31	-40.42
555.95	-55.53	-10.79	-50.94	-15.39	-0.11	-35.01	-50.51	53.98	-104.49	-63.83	-40.66
555.995	-54.93	-10.79	-50.91	-14.81	-0.11	-35.67	-50.59	53.98	-104.57	-64.34	-40.23
556.04	-55.01	-10.79	-50.92	-14.88	-0.11	-36.34	-51.33	53.98	-105.31	-64.86	-40.45
556.085	-55.77	-10.79	-50.94	-15.61	-0.12	-37.06	-52.79	53.98	-106.77	-65.38	-41.39
556.13	-55.20	-10.79	-50.93	-15.06	-0.12	-37.73	-52.91	53.98	-106.89	-65.89	-40.99
556.175	-54.96	-10.79	-50.89	-14.86	-0.11	-38.43	-53.41	53.98	-107.39	-66.41	-40.98
556.22	-55.24	-10.79	-50.95	-15.09	-0.10	-39.10	-54.29	53.98	-108.27	-66.93	-41.34
556.265	-55.41	-10.79	-50.90	-15.31	-0.11	-39.78	-55.20	53.98	-109.18	-67.45	-41.73
556.31	-55.46	-10.79	-50.88	-15.37	-0.11	-40.46	-55.95	53.98	-109.93	-67.96	-41.96
556.355	-55.60	-10.79	-50.94	-15.45	-0.11	-41.13	-56.68	53.98	-110.66	-68.48	-42.18
556.4	-55.65	-10.79	-50.93	-15.51	-0.11	-41.82	-57.45	53.98	-111.43	-69.00	-42.43
556.445	-55.62	-10.79	-50.92	-15.49	-0.11	-42.49	-58.09	53.98	-112.07	-69.52	-42.55
556.49	-55.56	-10.79	-50.91	-15.44	-0.11	-43.21	-58.75	53.98	-112.73	-70.04	-42.70
556.535	-55.71	-10.79	-50.93	-15.57	-0.12	-43.92	-59.61	53.98	-113.59	-70.55	-43.04
556.58	-56.08	-10.79	-50.89	-15.98	-0.11	-44.55	-60.63	53.98	-114.61	-71.07	-43.54
556.625	-56.29	-10.79	-50.95	-16.13	-0.12	-45.26	-61.51	53.98	-115.49	-71.59	-43.90
556.67	-55.99	-10.79	-50.93	-15.85	-0.11	-45.97	-61.93	53.98	-115.91	-72.10	-43.81
556.715	-55.69	-10.79	-50.92	-15.55	-0.11	-46.66	-62.32	53.98	-116.30	-72.62	-43.68
556.76	-55.68	-10.79	-50.93	-15.54	-0.11	-47.34	-62.99	53.98	-116.97	-73.14	-43.83
556.805	-55.69	-10.79	-50.93	-15.55	-0.11	-48.07	-63.73	53.98	-117.71	-73.66	-44.06
556.85	-55.92	-10.79	-50.89	-15.82	-0.11	-48.77	-64.70	53.98	-118.68	-74.18	-44.50
556.895	-55.62	-10.79	-50.92	-15.49	-0.10	-49.46	-65.05	53.98	-119.03	-74.69	-44.33
556.94	-55.71	-10.79	-50.92	-15.58	-0.10	-50.22	-65.90	53.98	-119.88	-75.21	-44.67
556.985	-56.04	-10.79	-50.93	-15.89	-0.12	-50.98	-66.98	53.98	-120.96	-75.73	-45.24
557.03	-55.83	-10.79	-50.91	-15.71	-0.12	-51.72	-67.55	53.98	-121.53	-76.24	-45.28
557.075	-56.19	-10.79	-50.99	-15.99	-0.12	-52.49	-68.60	53.98	-122.58	-76.76	-45.82
557.12	-56.32	-10.79	-50.98	-16.13	-0.10	-53.26	-69.49	53.98	-123.46	-77.28	-46.18
557.165	-56.17	-10.79	-50.89	-16.07	-0.11	-54.01	-70.19	53.98	-124.17	-77.80	-46.37
557.21	-55.70	-10.79	-50.96	-15.53	-0.10	-54.80	-70.44	53.98	-124.41	-78.32	-46.10
557.255	-55.45	-10.79	-50.91	-15.33	-0.10	-55.61	-71.04	53.98	-125.01	-78.83	-46.18
557.3	-56.29	-10.79	-50.90	-16.18	-0.11	-56.44	-72.73	53.98	-126.71	-79.35	-47.36
557.345	-56.54	-10.79	-50.91	-16.42	-0.10	-57.31	-73.84	53.98	-127.82	-79.87	-47.95
557.39	-56.22	-10.79	-50.95	-16.07	-0.11	-57.98	-74.16	53.98	-128.13	-80.38	-47.75
557.435	-56.14	-10.79	-50.90	-16.03	-0.12	-58.84	-74.98	53.98	-128.96	-80.90	-48.06
557.48	-55.80	-10.79	-50.92	-15.67	-0.11	-59.84	-75.63	53.98	-129.61	-81.42	-48.19
557.525	-55.95	-10.79	-50.97	-15.77	-0.10	-60.88	-76.76	53.98	-130.74	-81.94	-48.80
557.57	-56.24	-10.79	-50.92	-16.10	-0.11	-61.79	-78.00	53.98	-131.98	-82.46	-49.52
557.615	-56.09	-10.79	-50.93	-15.95	-0.11	-62.78	-78.84	53.98	-132.81	-82.97	-49.84
557.66	-55.78	-10.79	-50.91	-15.66	-0.11	-63.76	-79.53	53.98	-133.51	-83.49	-50.02

557.705	-55.89	-10.79	-50.99	-15.69	-0.11	-65.15	-80.95	53.98	-134.93	-84.01	-50.93
557.75	-56.30	-10.79	-50.95	-16.14	-0.10	-66.29	-82.53	53.98	-136.51	-84.53	-51.98
557.795	-56.22	-10.79	-50.93	-16.08	-0.11	-67.68	-83.87	53.98	-137.85	-85.04	-52.80
557.84	-56.23	-10.79	-50.88	-16.14	-0.11	-69.12	-85.37	53.98	-139.35	-85.56	-53.79
557.885	-56.03	-10.79	-50.93	-15.90	-0.10	-70.67	-86.67	53.98	-140.65	-86.08	-54.57
557.93	-56.21	-10.79	-50.90	-16.10	-0.09	-72.00	-88.20	53.98	-142.18	-86.59	-55.58
557.975	-56.53	-10.79	-50.91	-16.42	-0.10	-73.88	-90.40	53.98	-144.38	-87.11	-57.27
558.02	-56.33	-10.79	-50.92	-16.21	-0.10	-76.26	-92.57	53.98	-146.55	-87.63	-58.92
558.065	-56.16	-10.79	-50.94	-16.01	-0.10	-78.26	-94.37	53.98	-148.35	-88.15	-60.20
558.11	-56.23	-10.79	-50.91	-16.10	-0.10	-80.98	-97.19	53.98	-151.16	-88.67	-62.50
558.155	-56.14	-10.79	-50.95	-15.98	-0.09	-79.16	-95.23	53.98	-149.21	-89.18	-60.02
558.2	-56.29	-10.79	-50.93	-16.15	-0.09	-77.04	-93.28	53.98	-147.26	-89.70	-57.56
558.245	-56.21	-10.79	-50.96	-16.04	-0.09	-76.10	-92.23	53.98	-146.21	-90.22	-56.00
558.29	-56.63	-10.79	-50.93	-16.49	-0.10	-73.74	-90.33	53.98	-144.31	-90.73	-53.57
558.335	-56.54	-10.79	-50.96	-16.37	-0.11	-73.36	-89.85	53.98	-143.83	-91.25	-52.57
558.38	-56.27	-10.79	-50.94	-16.11	-0.10	-73.12	-89.33	53.98	-143.31	-91.77	-51.54
558.425	-56.03	-10.79	-50.99	-15.83	-0.09	-72.21	-88.12	53.98	-142.10	-92.29	-49.81
558.47	-56.27	-10.79	-50.91	-16.15	-0.09	-71.56	-87.80	53.98	-141.78	-92.81	-48.97
558.515	-56.30	-10.79	-50.91	-16.18	-0.10	-71.20	-87.48	53.98	-141.46	-93.32	-48.13
558.56	-56.44	-10.79	-50.94	-16.29	-0.10	-70.70	-87.08	53.98	-141.06	-93.84	-47.22
558.605	-56.24	-10.79	-50.97	-16.06	-0.11	-70.18	-86.34	53.98	-140.32	-94.36	-45.97
558.65	-56.14	-10.79	-50.91	-16.02	-0.09	-69.64	-85.74	53.98	-139.72	-94.87	-44.85
558.695	-56.46	-10.79	-50.94	-16.31	-0.10	-69.51	-85.92	53.98	-139.90	-95.39	-44.51
558.74	-56.55	-10.79	-50.88	-16.46	-0.10	-68.92	-85.49	53.98	-139.47	-95.91	-43.56
558.785	-56.21	-10.79	-50.92	-16.09	-0.09	-68.84	-85.03	53.98	-139.01	-96.43	-42.58
558.83	-56.35	-10.79	-50.91	-16.23	-0.09	-68.40	-84.72	53.98	-138.70	-96.95	-41.76
558.875	-56.13	-10.79	-50.93	-15.99	-0.10	-68.36	-84.44	53.98	-138.42	-97.46	-40.96
558.92	-55.57	-10.79	-50.93	-15.43	-0.09	-68.30	-83.82	53.98	-137.80	-97.98	-39.82
558.965	-55.65	-10.79	-50.98	-15.46	-0.09	-68.31	-83.86	53.98	-137.84	-98.50	-39.34
559.01	-56.20	-10.79	-50.96	-16.03	-0.10	-67.75	-83.88	53.98	-137.86	-99.01	-38.84
559.055	-56.20	-10.79	-51.00	-16.00	-0.09	-67.78	-83.87	53.98	-137.85	-99.53	-38.31
559.1	-56.04	-10.79	-50.94	-15.89	-0.10	-67.69	-83.68	53.98	-137.66	-100.05	-37.61
559.145	-56.45	-10.79	-50.95	-16.29	-0.10	-67.47	-83.85	53.98	-137.83	-100.57	-37.26
559.19	-56.57	-10.79	-50.94	-16.41	-0.10	-67.48	-84.00	53.98	-137.98	-101.09	-36.89
559.235	-56.43	-10.79	-50.95	-16.27	-0.10	-67.60	-83.96	53.98	-137.94	-101.60	-36.34
559.28	-56.38	-10.79	-50.95	-16.21	-0.09	-66.91	-83.21	53.98	-137.18	-102.12	-35.06
559.325	-56.86	-10.79	-50.91	-16.75	-0.09	-66.94	-83.77	53.98	-137.75	-102.64	-35.11
559.37	-56.57	-10.79	-50.92	-16.45	-0.09	-67.37	-83.90	53.98	-137.88	-103.16	-34.72
559.415	-56.32	-10.79	-50.96	-16.15	-0.08	-67.36	-83.59	53.98	-137.57	-103.67	-33.90
559.46	-56.46	-10.79	-50.95	-16.30	-0.09	-67.32	-83.70	53.98	-137.68	-104.19	-33.49

559.505	-56.87	-10.79	-50.92	-16.74	-0.10	-67.20	-84.04	53.98	-138.02	-104.71	-33.31
559.55	-56.92	-10.79	-50.91	-16.80	-0.10	-67.18	-84.08	53.98	-138.06	-105.22	-32.84
559.595	-56.46	-10.79	-50.94	-16.31	-0.09	-67.35	-83.75	53.98	-137.73	-105.74	-31.99
559.64	-56.62	-10.79	-50.93	-16.47	-0.09	-67.26	-83.82	53.98	-137.80	-106.26	-31.54
559.685	-57.00	-10.79	-50.97	-16.82	-0.09	-67.44	-84.35	53.98	-138.33	-106.78	-31.55
559.73	-56.97	-10.79	-50.93	-16.83	-0.10	-67.24	-84.17	53.98	-138.15	-107.30	-30.85
559.775	-56.93	-10.79	-50.90	-16.82	-0.10	-67.31	-84.22	53.98	-138.20	-107.81	-30.39
559.82	-56.39	-10.79	-50.93	-16.25	-0.08	-67.40	-83.73	53.98	-137.71	-108.33	-29.38
559.865	-56.47	-10.79	-50.95	-16.31	-0.09	-67.28	-83.68	53.98	-137.66	-108.85	-28.81
559.91	-56.66	-10.79	-50.94	-16.51	-0.09	-67.39	-83.99	53.98	-137.97	-109.37	-28.60
559.955	-56.91	-10.79	-50.97	-16.73	-0.10	-67.26	-84.09	53.98	-138.07	-109.88	-28.19
560	-56.75	-10.79	-50.95	-16.59	-0.09	-67.23	-83.92	53.98	-137.90	-110.40	-27.50

Table 2
50 – 1000 MHz_ ATSC 1.0

Freq	1	2	3	4	5	6	7	8	9	Limit	Margin
MHz	dBm	dB	dB	dBm	dB	dB	dB	dBm	dBm	dBc	dB
50.000	-88.36	-10.79	-75.32	-23.99	-1.06	-84.19	-109.23	53.98	-163.21	-110	-53.21
52.375	-89.10	-10.79	-76.70	-23.35	-1.30	-84.18	-108.83	53.98	-162.80	-110	-52.80
54.750	-88.90	-10.79	-75.43	-24.44	-1.29	-83.94	-109.67	53.98	-163.64	-110	-53.64
57.125	-88.91	-10.79	-74.83	-25.05	-1.30	-84.20	-110.55	53.98	-164.53	-110	-54.53
59.500	-88.73	-10.79	-75.75	-23.92	-1.31	-84.34	-109.57	53.98	-163.55	-110	-53.55
61.875	-88.53	-10.79	-73.98	-25.53	-1.35	-84.77	-111.65	53.98	-165.63	-110	-55.63
64.250	-88.60	-10.79	-74.14	-25.43	-1.46	-84.81	-111.71	53.98	-165.69	-110	-55.69
66.625	-87.92	-10.79	-74.42	-24.47	-1.48	-83.98	-109.93	53.98	-163.91	-110	-53.91
69.000	-87.89	-10.79	-73.40	-25.49	-0.54	-84.84	-110.87	53.98	-164.84	-110	-54.84
71.375	-87.90	-10.79	-73.45	-25.45	-0.63	-84.67	-110.74	53.98	-164.72	-110	-54.72
73.750	-88.42	-10.79	-72.16	-27.36	-0.70	-84.68	-112.73	53.98	-166.71	-110	-56.71
76.125	-89.02	-10.79	-71.49	-28.56	-0.76	-83.72	-113.04	53.98	-167.02	-110	-57.02
78.500	-89.25	-10.79	-71.18	-29.06	-0.90	-84.91	-114.87	53.98	-168.84	-110	-58.84
80.875	-89.14	-10.79	-71.08	-29.05	-0.92	-84.25	-114.22	53.98	-168.20	-110	-58.20
83.250	-89.22	-10.79	-70.46	-29.74	-0.94	-84.38	-115.06	53.98	-169.04	-110	-59.04
85.625	-89.19	-10.79	-70.29	-29.90	-0.90	-84.18	-114.98	53.98	-168.96	-110	-58.96
88.000	-89.54	-10.79	-69.51	-31.04	-0.82	-84.70	-116.56	53.98	-170.54	-110	-60.54
90.375	-89.02	-10.79	-69.46	-30.57	-0.69	-83.73	-114.99	53.98	-168.96	-110	-58.96
92.750	-89.18	-10.79	-69.54	-30.68	-0.64	-83.76	-115.08	53.98	-169.05	-110	-59.05
95.125	-89.50	-10.79	-69.20	-31.33	-0.51	-84.23	-116.07	53.98	-170.05	-110	-60.05
97.500	-89.34	-10.79	-68.62	-31.78	-0.48	-84.71	-116.97	53.98	-170.95	-110	-60.95
99.875	-89.31	-10.79	-68.49	-31.91	-0.47	-83.94	-116.33	53.98	-170.31	-110	-60.31

102.250	-89.23	-10.79	-68.08	-32.18	-0.47	-84.02	-116.68	53.98	-170.66	-110	-60.66
104.625	-89.26	-10.79	-67.85	-32.46	-0.50	-83.69	-116.65	53.98	-170.63	-110	-60.63
107.000	-89.08	-10.79	-67.12	-33.01	-0.58	-83.44	-117.03	53.98	-171.01	-110	-61.01
109.375	-88.47	-10.79	-67.13	-32.39	-0.68	-84.00	-117.06	53.98	-171.04	-110	-61.04
111.750	-89.03	-10.79	-66.70	-33.36	-0.77	-84.61	-118.75	53.98	-172.73	-110	-62.73
114.125	-88.58	-10.79	-66.62	-33.00	-0.81	-83.65	-117.46	53.98	-171.44	-110	-61.44
116.500	-88.10	-10.79	-66.31	-32.87	-0.86	-83.96	-117.70	53.98	-171.68	-110	-61.68
118.875	-87.99	-10.79	-65.80	-33.23	-0.88	-83.52	-117.63	53.98	-171.61	-110	-61.61
121.250	-88.48	-10.79	-65.71	-33.84	-0.75	-83.35	-117.95	53.98	-171.93	-110	-61.93
123.625	-88.14	-10.79	-65.34	-33.90	-0.58	-84.89	-119.37	53.98	-173.35	-110	-63.35
126.000	-87.56	-10.79	-65.20	-33.44	-0.51	-83.93	-117.87	53.98	-171.85	-110	-61.85
128.375	-86.74	-10.79	-64.34	-33.46	-0.44	-83.95	-117.85	53.98	-171.82	-110	-61.82
130.750	-85.88	-10.79	-64.70	-32.22	-0.22	-84.37	-116.81	53.98	-170.79	-110	-60.79
133.125	-85.78	-10.79	-64.07	-32.76	-0.15	-83.92	-116.83	53.98	-170.81	-110	-60.81
135.500	-84.76	-10.79	-64.00	-31.82	-0.09	-84.08	-116.00	53.98	-169.98	-110	-59.98
137.875	-84.03	-10.79	-63.87	-31.26	0.02	-84.08	-115.32	53.98	-169.30	-110	-59.30
140.250	-83.53	-10.79	-63.27	-31.37	0.00	-84.56	-115.93	53.98	-169.91	-110	-59.91
142.625	-82.64	-10.79	-63.02	-30.70	0.03	-83.78	-114.46	53.98	-168.44	-110	-58.44
145.000	-82.99	-10.79	-63.08	-31.06	-0.01	-83.22	-114.29	53.98	-168.27	-110	-58.27
147.375	-83.93	-10.79	-62.87	-32.16	-0.07	-84.66	-116.89	53.98	-170.87	-110	-60.87
149.750	-84.86	-10.79	-62.54	-33.40	-0.15	-84.23	-117.77	53.98	-171.75	-110	-61.75
152.125	-85.87	-10.79	-62.37	-34.60	-0.16	-84.55	-119.31	53.98	-173.29	-110	-63.29
154.500	-87.00	-10.79	-62.22	-35.91	-0.18	-83.20	-119.29	53.98	-173.27	-110	-63.27
156.875	-87.21	-10.79	-61.89	-36.39	-0.13	-84.35	-120.88	53.98	-174.86	-110	-64.86
159.250	-87.92	-10.79	-61.74	-37.27	-0.05	-83.77	-121.10	53.98	-175.08	-110	-65.08
161.625	-87.72	-10.79	-61.32	-37.49	0.07	-84.40	-121.82	53.98	-175.80	-110	-65.80
164.000	-88.17	-10.79	-61.28	-37.98	0.12	-83.90	-121.77	53.98	-175.75	-110	-65.75
166.375	-88.29	-10.79	-61.00	-38.44	0.23	-83.43	-121.64	53.98	-175.62	-110	-65.62
168.750	-88.11	-10.79	-60.87	-38.39	0.31	-83.82	-121.91	53.98	-175.89	-110	-65.89
171.125	-87.98	-10.79	-60.76	-38.36	0.33	-84.09	-122.12	53.98	-176.10	-110	-66.10
173.500	-88.24	-10.79	-60.61	-38.77	0.32	-83.71	-122.15	53.98	-176.13	-110	-66.13
175.875	-87.97	-10.79	-60.38	-38.72	0.33	-83.92	-122.30	53.98	-176.28	-110	-66.28
178.250	-88.65	-10.79	-60.32	-39.46	0.33	-84.58	-123.70	53.98	-177.68	-110	-67.68
180.625	-89.02	-10.79	-60.04	-40.09	0.35	-83.66	-123.41	53.98	-177.38	-110	-67.38
183.000	-88.35	-10.79	-59.77	-39.66	0.37	-83.16	-122.45	53.98	-176.43	-110	-66.43
185.375	-88.70	-10.79	-59.72	-40.12	0.38	-83.46	-123.20	53.98	-177.18	-110	-67.18
187.750	-88.72	-10.79	-59.51	-40.35	0.39	-84.05	-124.00	53.98	-177.98	-110	-67.98
190.125	-88.17	-10.79	-59.15	-40.15	0.37	-84.03	-123.81	53.98	-177.79	-110	-67.79
192.500	-88.89	-10.79	-59.33	-40.77	0.35	-84.07	-124.49	53.98	-178.47	-110	-68.47
194.875	-88.80	-10.79	-58.79	-41.17	0.37	-83.59	-124.40	53.98	-178.38	-110	-68.38

197.250	-88.92	-10.79	-58.74	-41.30	0.36	-83.95	-124.89	53.98	-178.87	-110	-68.87
199.625	-88.60	-10.79	-58.52	-41.24	0.31	-83.31	-124.24	53.98	-178.22	-110	-68.22
202.000	-89.09	-10.79	-58.54	-41.66	0.32	-84.14	-125.49	53.98	-179.47	-110	-69.47
204.375	-89.00	-10.79	-58.35	-41.81	0.27	-82.60	-124.14	53.98	-178.12	-110	-68.12
206.750	-89.46	-10.79	-58.15	-42.45	0.22	-83.53	-125.77	53.98	-179.75	-110	-69.75
209.125	-89.50	-10.79	-57.83	-42.80	0.12	-84.35	-127.03	53.98	-181.01	-110	-71.01
211.500	-88.77	-10.79	-57.73	-42.18	0.05	-83.66	-125.79	53.98	-179.77	-110	-69.77
213.875	-89.69	-10.79	-57.63	-43.24	-0.04	-84.19	-127.47	53.98	-181.44	-110	-71.44
216.250	-89.10	-10.79	-57.49	-42.78	-0.08	-84.16	-127.03	53.98	-181.00	-110	-71.00
218.625	-89.38	-10.79	-57.37	-43.19	-0.09	-83.42	-126.69	53.98	-180.67	-110	-70.67
221.000	-89.23	-10.79	-57.21	-43.15	-0.09	-83.98	-127.23	53.98	-181.20	-110	-71.20
223.375	-89.28	-10.79	-57.20	-43.25	-0.12	-83.00	-126.38	53.98	-180.36	-110	-70.36
225.750	-88.72	-10.79	-57.05	-42.83	-0.12	-84.15	-127.11	53.98	-181.09	-110	-71.09
228.125	-89.19	-10.79	-56.91	-43.43	-0.13	-83.85	-127.41	53.98	-181.39	-110	-71.39
230.500	-88.90	-10.79	-56.78	-43.31	-0.08	-83.98	-127.37	53.98	-181.35	-110	-71.35
232.875	-88.89	-10.79	-56.62	-43.45	-0.10	-82.91	-126.46	53.98	-180.44	-110	-70.44
235.250	-88.54	-10.79	-56.34	-43.39	-0.13	-84.03	-127.55	53.98	-181.53	-110	-71.53
237.625	-88.16	-10.79	-56.31	-43.07	-0.17	-84.09	-127.34	53.98	-181.31	-110	-71.31
240.000	-88.03	-10.79	-56.26	-42.97	-0.23	-83.97	-127.17	53.98	-181.15	-110	-71.15
242.375	-88.00	-10.79	-56.09	-43.12	-0.31	-84.17	-127.60	53.98	-181.58	-110	-71.58
244.750	-87.29	-10.79	-55.84	-42.72	-0.45	-83.72	-126.88	53.98	-180.86	-110	-70.86
247.125	-87.20	-10.79	-55.74	-42.67	-0.50	-82.96	-126.14	53.98	-180.11	-110	-70.11
249.500	-86.99	-10.79	-55.70	-42.51	-0.64	-83.42	-126.56	53.98	-180.54	-110	-70.54
251.875	-86.03	-10.79	-55.48	-41.72	-0.85	-82.71	-125.28	53.98	-179.26	-110	-69.26
254.250	-85.73	-10.79	-55.29	-41.58	-0.87	-83.20	-125.65	53.98	-179.63	-110	-69.63
256.625	-85.41	-10.79	-55.19	-41.37	-0.95	-82.74	-125.06	53.98	-179.04	-110	-69.04
259.000	-85.51	-10.79	-55.03	-41.68	-0.98	-83.40	-126.05	53.98	-180.03	-110	-70.03
261.375	-84.88	-10.79	-54.93	-41.16	-0.95	-83.98	-126.10	53.98	-180.08	-110	-70.08
263.750	-84.79	-10.79	-54.87	-41.16	-0.86	-83.89	-125.90	53.98	-179.88	-110	-69.88
266.125	-84.86	-10.79	-54.80	-41.30	-0.87	-83.39	-125.56	53.98	-179.54	-110	-69.54
268.500	-84.81	-10.79	-54.67	-41.35	-0.76	-83.67	-125.79	53.98	-179.77	-110	-69.77
270.875	-84.76	-10.79	-54.68	-41.32	-0.75	-83.44	-125.51	53.98	-179.49	-110	-69.49
273.250	-84.70	-10.79	-54.50	-41.45	-0.81	-83.27	-125.52	53.98	-179.50	-110	-69.50
275.625	-85.01	-10.79	-54.40	-41.81	-0.78	-83.84	-126.43	53.98	-180.41	-110	-70.41
278.000	-84.37	-10.79	-54.20	-41.37	-0.79	-83.28	-125.43	53.98	-179.41	-110	-69.41
280.375	-84.64	-10.79	-54.10	-41.73	-0.88	-83.46	-126.06	53.98	-180.04	-110	-70.04
282.750	-84.32	-10.79	-54.11	-41.42	-0.96	-83.03	-125.41	53.98	-179.39	-110	-69.39
285.125	-84.27	-10.79	-54.08	-41.41	-1.06	-82.56	-125.04	53.98	-179.02	-110	-69.02
287.500	-84.14	-10.79	-53.88	-41.51	-1.23	-83.60	-126.34	53.98	-180.32	-110	-70.32
289.875	-83.90	-10.79	-53.85	-41.33	-1.27	-83.04	-125.63	53.98	-179.61	-110	-69.61

292.250	-83.98	-10.79	-53.61	-41.63	-1.44	-83.11	-126.18	53.98	-180.16	-110	-70.16
294.625	-83.88	-10.79	-53.59	-41.54	-1.50	-82.58	-125.62	53.98	-179.60	-110	-69.60
297.000	-83.58	-10.79	-53.52	-41.29	-1.50	-83.42	-126.20	53.98	-180.18	-110	-70.18
299.375	-83.47	-10.79	-53.45	-41.24	-1.44	-83.37	-126.05	53.98	-180.03	-110	-70.03
301.750	-83.25	-10.79	-53.30	-41.19	-1.34	-83.47	-125.99	53.98	-179.97	-110	-69.97
304.125	-83.15	-10.79	-53.18	-41.21	-1.17	-83.54	-125.92	53.98	-179.90	-110	-69.90
306.500	-82.78	-10.79	-53.15	-40.86	-1.01	-83.15	-125.02	53.98	-179.00	-110	-69.00
308.875	-82.53	-10.79	-52.91	-40.88	-0.91	-82.71	-124.50	53.98	-178.48	-110	-68.48
311.250	-82.47	-10.79	-52.91	-40.81	-0.74	-82.59	-124.14	53.98	-178.12	-110	-68.12
313.625	-82.16	-10.79	-52.96	-40.48	-0.68	-83.15	-124.30	53.98	-178.28	-110	-68.28
316.000	-81.94	-10.79	-52.69	-40.54	-0.64	-83.16	-124.34	53.98	-178.32	-110	-68.32
318.375	-81.83	-10.79	-52.70	-40.42	-0.64	-83.09	-124.15	53.98	-178.12	-110	-68.12
320.750	-81.09	-10.79	-52.60	-39.74	-0.71	-83.23	-123.68	53.98	-177.65	-110	-67.65
323.125	-80.72	-10.79	-52.62	-39.38	-0.83	-83.43	-123.65	53.98	-177.62	-110	-67.62
325.500	-80.12	-10.79	-52.45	-38.92	-0.93	-82.41	-122.26	53.98	-176.24	-110	-66.24
327.875	-79.21	-10.79	-52.53	-37.95	-1.09	-83.12	-122.16	53.98	-176.14	-110	-66.14
330.250	-77.98	-10.79	-52.28	-37.02	-1.19	-83.37	-121.58	53.98	-175.56	-110	-65.56
332.625	-76.59	-10.79	-52.30	-35.53	-1.21	-83.22	-119.97	53.98	-173.95	-110	-63.95
335.000	-75.33	-10.79	-52.16	-34.50	-1.16	-82.56	-118.21	53.98	-172.19	-110	-62.19
337.375	-74.38	-10.79	-52.05	-33.60	-1.03	-83.27	-117.90	53.98	-171.88	-110	-61.88
339.750	-73.49	-10.79	-52.02	-32.74	-0.81	-82.61	-116.16	53.98	-170.14	-110	-60.14
342.125	-72.80	-10.79	-51.93	-32.17	-0.66	-82.62	-115.44	53.98	-169.42	-110	-59.42
344.500	-72.23	-10.79	-51.83	-31.67	-0.49	-82.44	-114.61	53.98	-168.58	-110	-58.58
346.875	-71.64	-10.79	-51.78	-31.07	-0.31	-82.77	-114.16	53.98	-168.14	-110	-58.14
349.250	-71.07	-10.79	-51.92	-30.45	-0.23	-82.11	-112.79	53.98	-166.77	-110	-56.77
351.625	-70.82	-10.79	-51.71	-30.36	-0.09	-83.07	-113.52	53.98	-167.50	-110	-57.50
354.000	-70.60	-10.79	-51.68	-30.15	0.01	-81.73	-111.88	53.98	-165.86	-110	-55.86
356.375	-70.26	-10.79	-51.58	-30.00	0.03	-82.98	-112.94	53.98	-166.92	-110	-56.92
358.750	-69.95	-10.79	-51.55	-29.67	0.03	-81.67	-111.31	53.98	-165.29	-110	-55.29
361.125	-69.67	-10.79	-51.56	-29.40	-0.05	-80.63	-110.08	53.98	-164.06	-110	-54.06
363.500	-69.46	-10.79	-51.60	-29.17	-0.15	-82.31	-111.62	53.98	-165.60	-110	-55.60
365.875	-69.08	-10.79	-51.45	-28.91	-0.17	-81.48	-110.56	53.98	-164.54	-110	-54.54
368.250	-68.89	-10.79	-51.43	-28.76	-0.30	-82.29	-111.36	53.98	-165.33	-110	-55.33
370.625	-68.50	-10.79	-51.46	-28.39	-0.33	-82.80	-111.52	53.98	-165.50	-110	-55.50
373.000	-67.87	-10.79	-51.36	-27.76	-0.31	-81.52	-109.59	53.98	-163.57	-110	-53.57
375.375	-67.65	-10.79	-51.36	-27.57	-0.27	-82.44	-110.27	53.98	-164.25	-110	-54.25
377.750	-67.22	-10.79	-51.16	-27.33	-0.14	-81.86	-109.32	53.98	-163.30	-110	-53.30
380.125	-66.95	-10.79	-51.23	-26.99	0.01	-82.15	-109.13	53.98	-163.11	-110	-53.11
382.500	-66.53	-10.79	-51.15	-26.65	0.11	-82.49	-109.02	53.98	-163.00	-110	-53.00
384.875	-66.43	-10.79	-51.13	-26.57	0.25	-82.04	-108.35	53.98	-162.33	-110	-52.33

387.250	-65.92	-10.79	-51.18	-26.08	0.32	-82.32	-108.08	53.98	-162.06	-110	-52.06
389.625	-65.73	-10.79	-51.17	-25.89	0.29	-82.84	-108.44	53.98	-162.42	-110	-52.42
392.000	-65.33	-10.79	-51.07	-25.58	0.28	-82.19	-107.48	53.98	-161.46	-110	-51.46
394.375	-64.93	-10.79	-51.12	-25.15	0.31	-82.38	-107.22	53.98	-161.20	-110	-51.20
396.750	-64.99	-10.79	-50.98	-25.29	0.23	-83.01	-108.07	53.98	-162.05	-110	-52.05
399.125	-64.68	-10.79	-51.07	-24.88	0.25	-82.95	-107.58	53.98	-161.56	-110	-51.56
401.500	-64.49	-10.79	-51.01	-24.79	0.26	-81.80	-106.34	53.98	-160.32	-110	-50.32
403.875	-64.32	-10.79	-50.96	-24.62	0.22	-82.52	-106.92	53.98	-160.90	-110	-50.90
406.250	-64.38	-10.79	-51.02	-24.68	0.20	-82.63	-107.11	53.98	-161.08	-110	-51.08
408.625	-64.04	-10.79	-50.98	-24.45	0.16	-81.02	-105.31	53.98	-159.29	-110	-49.29
411.000	-63.85	-10.79	-50.92	-24.27	0.16	-82.91	-107.02	53.98	-160.99	-110	-50.99
413.375	-63.22	-10.79	-50.99	-23.59	0.16	-83.00	-106.43	53.98	-160.41	-110	-50.41
415.750	-63.02	-10.79	-51.01	-23.34	0.20	-82.24	-105.38	53.98	-159.36	-110	-49.36
418.125	-62.85	-10.79	-50.96	-23.21	0.22	-82.81	-105.80	53.98	-159.78	-110	-49.78
420.500	-62.80	-10.79	-50.85	-23.27	0.21	-82.87	-105.93	53.98	-159.91	-110	-49.91
422.875	-62.58	-10.79	-50.83	-23.02	0.24	-82.97	-105.76	53.98	-159.73	-110	-49.73
425.250	-62.76	-10.79	-50.86	-23.21	0.18	-83.07	-106.10	53.98	-160.08	-110	-50.08
427.625	-62.54	-10.79	-50.80	-23.08	0.20	-81.71	-104.58	53.98	-158.56	-110	-48.56
430.000	-62.36	-10.79	-50.74	-22.92	0.22	-83.25	-105.95	53.98	-159.93	-110	-49.93
432.375	-62.34	-10.79	-50.83	-22.83	0.21	-83.03	-105.65	53.98	-159.63	-110	-49.63
434.750	-62.29	-10.79	-50.81	-22.84	0.25	-83.19	-105.79	53.98	-159.77	-110	-49.77
437.125	-62.24	-10.79	-50.80	-22.76	0.27	-82.96	-105.45	53.98	-159.42	-110	-49.42
439.500	-62.22	-10.79	-50.87	-22.73	0.27	-82.45	-104.91	53.98	-158.89	-110	-48.89
441.875	-62.33	-10.79	-50.77	-22.90	0.29	-82.84	-105.45	53.98	-159.43	-110	-49.43
444.250	-62.43	-10.79	-50.92	-22.87	0.25	-82.46	-105.08	53.98	-159.06	-110	-49.06
446.625	-62.32	-10.79	-50.88	-22.85	0.18	-82.11	-104.77	53.98	-158.75	-110	-48.75
449.000	-62.42	-10.79	-50.87	-22.94	-0.39	-81.50	-104.83	53.98	-158.81	-110	-48.81
451.375	-62.80	-10.79	-50.81	-23.34	-0.39	-82.53	-106.26	53.98	-160.24	-110	-50.24
453.750	-63.04	-10.79	-50.88	-23.58	-0.39	-81.65	-105.62	53.98	-159.60	-110	-49.60
456.125	-63.42	-10.79	-50.82	-23.96	-0.43	-82.74	-107.12	53.98	-161.09	-110	-51.09
458.500	-63.79	-10.79	-50.66	-24.46	-0.45	-82.57	-107.48	53.98	-161.46	-110	-51.46
460.875	-63.80	-10.79	-50.79	-24.39	-0.40	-82.09	-106.88	53.98	-160.86	-110	-50.86
463.250	-63.87	-10.79	-50.72	-24.48	-0.45	-82.08	-107.01	53.98	-160.99	-110	-50.99
465.625	-63.84	-10.79	-50.75	-24.43	-0.42	-81.96	-106.81	53.98	-160.79	-110	-50.79
468.000	-63.69	-10.79	-50.70	-24.32	-0.42	-82.22	-106.96	53.98	-160.94	-110	-50.94
470.375	-63.75	-10.79	-50.64	-24.48	-0.42	-81.78	-106.68	53.98	-160.66	-110	-50.66
472.750	-63.63	-10.79	-50.76	-24.24	-0.43	-81.90	-106.56	53.98	-160.54	-110	-50.54
475.125	-63.71	-10.79	-50.58	-24.49	-0.39	-81.97	-106.85	53.98	-160.83	-110	-50.83
477.500	-63.67	-10.79	-50.72	-24.33	-0.44	-81.92	-106.68	53.98	-160.66	-110	-50.66
479.875	-64.10	-10.79	-50.77	-24.69	-0.41	-81.53	-106.64	53.98	-160.62	-110	-50.62

482.250	-64.51	-10.79	-50.71	-25.17	-0.46	-81.61	-107.23	53.98	-161.21	-110	-51.21
484.625	-65.17	-10.79	-50.73	-25.85	-0.45	-81.88	-108.18	53.98	-162.16	-110	-52.16
487.000	-65.90	-10.79	-50.74	-26.58	-0.47	-82.20	-109.24	53.98	-163.22	-110	-53.22
489.375	-66.39	-10.79	-50.74	-27.00	-0.48	-82.76	-110.24	53.98	-164.22	-110	-54.22
491.750	-66.38	-10.79	-50.76	-27.01	-0.50	-82.00	-109.51	53.98	-163.49	-110	-53.49
494.125	-66.40	-10.79	-50.70	-27.08	-0.43	-82.16	-109.67	53.98	-163.65	-110	-53.65
496.500	-66.40	-10.79	-50.60	-27.13	-0.46	-81.80	-109.39	53.98	-163.37	-110	-53.37
498.875	-66.43	-10.79	-50.66	-27.15	-0.41	-82.38	-109.95	53.98	-163.93	-110	-53.93
501.250	-66.43	-10.79	-50.71	-27.12	-0.43	-82.79	-110.34	53.98	-164.32	-110	-54.32
503.625	-66.47	-10.79	-50.71	-27.13	-0.42	-82.44	-109.99	53.98	-163.97	-110	-53.97
506.000	-66.43	-10.79	-50.75	-27.06	-0.43	-82.58	-110.07	53.98	-164.05	-110	-54.05
508.375	-65.99	-10.79	-50.74	-26.61	-0.41	-81.99	-109.02	53.98	-162.99	-110	-52.99
510.750	-65.73	-10.79	-50.63	-26.41	-0.43	-81.68	-108.51	53.98	-162.49	-110	-52.49
513.125	-65.64	-10.79	-50.77	-26.26	-0.46	-82.72	-109.44	53.98	-163.42	-110	-53.42
515.500	-64.46	-10.79	-50.67	-25.13	-0.47	-82.78	-108.39	53.98	-162.36	-110	-52.36
517.875	-63.07	-10.79	-50.75	-23.72	-0.47	-82.70	-106.89	53.98	-160.87	-110	-50.87
520.250	-60.84	-10.79	-50.72	-21.54	-0.46	-82.08	-104.08	53.98	-158.06	-110	-48.06
522.625	-59.36	-10.79	-50.79	-20.01	-0.46	-82.71	-103.18	53.98	-157.16	-110	-47.16
525.000	-58.02	-10.79	-50.76	-18.68	-0.47	-82.67	-101.82	53.98	-155.80	-110	-45.80
527.375	-56.95	-10.79	-50.80	-17.60	-0.44	-83.06	-101.10	53.98	-155.08	-110	-45.08
529.750	-55.98	-10.79	-50.81	-16.65	-0.45	-83.12	-100.22	53.98	-154.20	-110	-44.20
532.125	-54.99	-10.79	-50.76	-15.65	-0.42	-82.65	-98.72	53.98	-152.70	-110	-42.70
534.5	-54.17	-10.79	-50.75	-14.79	-0.46	-79.89	-95.14	53.98	-149.12	-110	-39.12
536.875	-53.05	-10.79	-50.72	-13.75	-0.40	-75.35	-89.50	53.98	-143.48	-110	-33.48
539.25	-51.83	-10.79	-50.61	-12.60	-0.41	-70.24	-83.25	53.98	-137.23	-110	-27.23
541.625	-50.07	-10.79	-50.64	-10.77	-0.43	-66.47	-77.67	53.98	-131.65	-110	-21.65
542	Refer to Table "1" for 542 -- 560 MHz Conducted Spurious Emission Test Data										
560											
560.625	-49.65	-10.79	-50.68	-10.35	-0.41	-68.57	-79.33	53.98	-133.31	-110	-23.31
563.000	-50.48	-10.79	-50.75	-11.19	-0.44	-73.08	-84.72	53.98	-138.70	-110	-28.70
565.375	-51.30	-10.79	-50.72	-12.02	-0.43	-80.34	-92.79	53.98	-146.76	-110	-36.76
567.750	-52.06	-10.79	-50.78	-12.71	-0.44	-81.92	-95.07	53.98	-149.05	-110	-39.05
570.125	-52.80	-10.79	-50.87	-13.41	-0.49	-83.36	-97.26	53.98	-151.24	-110	-41.24
572.500	-53.82	-10.79	-50.79	-14.48	-0.56	-83.18	-98.22	53.98	-152.20	-110	-42.20
574.875	-54.83	-10.79	-50.85	-15.45	-0.56	-83.43	-99.43	53.98	-153.41	-110	-43.41
577.250	-56.21	-10.79	-50.90	-16.77	-0.56	-82.80	-100.12	53.98	-154.10	-110	-44.10
579.625	-57.92	-10.79	-50.72	-18.58	-0.54	-83.18	-102.30	53.98	-156.28	-110	-46.28
582.000	-59.74	-10.79	-50.72	-20.39	-0.49	-82.76	-103.65	53.98	-157.63	-110	-47.63
584.375	-61.38	-10.79	-50.72	-22.05	-0.44	-82.49	-104.98	53.98	-158.96	-110	-48.96
586.750	-62.56	-10.79	-50.68	-23.27	-0.46	-82.93	-106.66	53.98	-160.64	-110	-50.64

589.125	-63.38	-10.79	-50.66	-24.16	-0.45	-83.09	-107.69	53.98	-161.67	-110	-51.67
591.500	-63.92	-10.79	-50.64	-24.72	-0.45	-83.00	-108.17	53.98	-162.15	-110	-52.15
593.875	-63.97	-10.79	-50.60	-24.82	-0.45	-82.57	-107.83	53.98	-161.81	-110	-51.81
596.250	-63.91	-10.79	-50.69	-24.68	-0.48	-83.32	-108.49	53.98	-162.47	-110	-52.47
598.625	-63.93	-10.79	-50.64	-24.72	-0.47	-82.81	-108.00	53.98	-161.98	-110	-51.98
601.000	-63.84	-10.79	-50.71	-24.58	-0.49	-82.43	-107.50	53.98	-161.48	-110	-51.48
603.375	-63.70	-10.79	-50.75	-24.39	-0.52	-82.12	-107.03	53.98	-161.01	-110	-51.01
605.750	-63.35	-10.79	-50.68	-24.11	-0.52	-82.47	-107.09	53.98	-161.07	-110	-51.07
608.125	-63.28	-10.79	-50.73	-24.02	-0.53	-82.42	-106.98	53.98	-160.96	-110	-50.96
610.500	-63.27	-10.79	-50.79	-23.97	-0.55	-81.71	-106.23	53.98	-160.21	-110	-50.21
612.875	-63.63	-10.79	-50.73	-24.31	-0.50	-82.31	-107.11	53.98	-161.09	-110	-51.09
615.250	-63.87	-10.79	-50.79	-24.58	-0.47	-81.97	-107.02	53.98	-161.00	-110	-51.00
617.625	-64.32	-10.79	-50.83	-24.98	-0.42	-82.03	-107.43	53.98	-161.41	-110	-51.41
620.000	-64.94	-10.79	-50.79	-25.61	-0.45	-82.92	-108.99	53.98	-162.97	-110	-52.97
622.375	-65.59	-10.79	-50.86	-26.23	-0.43	-82.57	-109.22	53.98	-163.20	-110	-53.20
624.750	-66.02	-10.79	-50.79	-26.64	-0.54	-82.53	-109.70	53.98	-163.68	-110	-53.68
627.125	-66.34	-10.79	-50.82	-26.94	-0.57	-82.02	-109.53	53.98	-163.51	-110	-53.51
629.500	-66.36	-10.79	-50.76	-26.95	-0.53	-82.51	-109.99	53.98	-163.97	-110	-53.97
631.875	-66.41	-10.79	-50.64	-27.15	-0.52	-82.20	-109.87	53.98	-163.85	-110	-53.85
634.250	-66.71	-10.79	-50.76	-27.32	-0.49	-82.46	-110.27	53.98	-164.25	-110	-54.25
636.625	-66.82	-10.79	-50.66	-27.59	-0.42	-82.09	-110.10	53.98	-164.08	-110	-54.08
639.000	-67.27	-10.79	-50.75	-27.96	-0.42	-82.08	-110.46	53.98	-164.44	-110	-54.44
641.375	-67.55	-10.79	-50.63	-28.46	-0.40	-82.10	-110.96	53.98	-164.94	-110	-54.94
643.750	-67.61	-10.79	-50.76	-28.39	-0.44	-82.86	-111.69	53.98	-165.67	-110	-55.67
646.125	-67.78	-10.79	-50.75	-28.55	-0.52	-82.55	-111.62	53.98	-165.60	-110	-55.60
648.500	-68.01	-10.79	-50.77	-28.74	-0.49	-83.02	-112.25	53.98	-166.23	-110	-56.23
650.875	-68.39	-10.79	-50.71	-29.19	-0.51	-82.46	-112.16	53.98	-166.14	-110	-56.14
653.250	-68.61	-10.79	-50.73	-29.33	-0.48	-82.76	-112.57	53.98	-166.55	-110	-56.55
655.625	-69.10	-10.79	-50.74	-29.83	-0.51	-82.48	-112.83	53.98	-166.81	-110	-56.81
658.000	-69.44	-10.79	-50.67	-30.22	-0.53	-81.75	-112.51	53.98	-166.49	-110	-56.49
660.375	-69.81	-10.79	-50.66	-30.58	-0.50	-82.77	-113.85	53.98	-167.83	-110	-57.83
662.750	-70.11	-10.79	-50.63	-30.94	-0.53	-82.76	-114.23	53.98	-168.21	-110	-58.21
665.125	-70.21	-10.79	-50.68	-30.98	-0.55	-82.26	-113.79	53.98	-167.77	-110	-57.77
667.500	-70.52	-10.79	-50.80	-31.24	-0.50	-82.88	-114.63	53.98	-168.60	-110	-58.60
669.875	-70.84	-10.79	-50.74	-31.60	-0.46	-82.79	-114.85	53.98	-168.83	-110	-58.83
672.250	-71.29	-10.79	-50.73	-32.00	-0.46	-83.17	-115.62	53.98	-169.60	-110	-59.60
674.625	-71.58	-10.79	-50.90	-32.15	-0.49	-83.05	-115.69	53.98	-169.67	-110	-59.67
677.000	-72.03	-10.79	-50.85	-32.67	-0.53	-82.95	-116.16	53.98	-170.14	-110	-60.14
679.375	-72.44	-10.79	-50.79	-33.09	-0.59	-82.16	-115.85	53.98	-169.83	-110	-59.83
681.750	-72.63	-10.79	-50.77	-33.31	-0.66	-82.95	-116.92	53.98	-170.90	-110	-60.90

684.125	-73.09	-10.79	-50.76	-33.79	-0.75	-82.79	-117.33	53.98	-171.31	-110	-61.31
686.500	-73.59	-10.79	-50.75	-34.35	-1.00	-82.62	-117.96	53.98	-171.94	-110	-61.94
688.875	-74.14	-10.79	-50.81	-34.83	-1.14	-83.15	-119.13	53.98	-173.10	-110	-63.10
691.250	-74.67	-10.79	-50.64	-35.54	-1.42	-81.50	-118.45	53.98	-172.43	-110	-62.43
693.625	-75.33	-10.79	-50.60	-36.25	-1.82	-82.25	-120.32	53.98	-174.30	-110	-64.30
696.000	-75.64	-10.79	-50.75	-36.39	-2.09	-82.34	-120.82	53.98	-174.80	-110	-64.80
698.375	-76.13	-10.79	-50.77	-36.88	-2.35	-81.94	-121.18	53.98	-175.16	-110	-65.16
700.750	-76.49	-10.79	-50.81	-37.19	-2.64	-82.74	-122.57	53.98	-176.55	-110	-66.55
703.125	-76.76	-10.79	-50.82	-37.39	-2.85	-83.26	-123.50	53.98	-177.48	-110	-67.48
705.500	-77.06	-10.79	-50.70	-37.81	-3.26	-82.11	-123.18	53.98	-177.16	-110	-67.16
707.875	-77.16	-10.79	-50.83	-37.85	-4.13	-82.13	-124.12	53.98	-178.10	-110	-68.10
710.250	-77.17	-10.79	-50.77	-37.86	-4.95	-81.89	-124.69	53.98	-178.67	-110	-68.67
712.625	-77.40	-10.79	-50.81	-38.09	-5.87	-82.46	-126.42	53.98	-180.40	-110	-70.40
715.000	-77.66	-10.79	-50.86	-38.33	-7.37	-81.94	-127.64	53.98	-181.61	-110	-71.61
717.375	-77.73	-10.79	-50.82	-38.39	-8.38	-81.96	-128.73	53.98	-182.71	-110	-72.71
719.750	-77.85	-10.79	-50.85	-38.52	-9.24	-82.52	-130.29	53.98	-184.26	-110	-74.26
722.125	-77.93	-10.79	-50.90	-38.60	-10.47	-82.31	-131.38	53.98	-185.36	-110	-75.36
724.500	-78.17	-10.79	-50.87	-38.84	-11.19	-82.09	-132.12	53.98	-186.10	-110	-76.10
726.875	-78.34	-10.79	-50.84	-39.01	-11.85	-81.77	-132.62	53.98	-186.60	-110	-76.60
729.250	-78.74	-10.79	-50.76	-39.50	-12.62	-82.12	-134.24	53.98	-188.22	-110	-78.22
731.625	-79.08	-10.79	-50.71	-39.87	-13.10	-82.35	-135.31	53.98	-189.29	-110	-79.29
734.000	-79.21	-10.79	-50.70	-40.04	-13.52	-81.64	-135.20	53.98	-189.18	-110	-79.18
736.375	-79.77	-10.79	-50.68	-40.59	-14.27	-82.45	-137.31	53.98	-191.29	-110	-81.29
738.750	-79.95	-10.79	-50.80	-40.71	-14.96	-82.05	-137.71	53.98	-191.69	-110	-81.69
741.125	-80.14	-10.79	-50.63	-41.00	-15.69	-82.35	-139.04	53.98	-193.02	-110	-83.02
743.500	-80.44	-10.79	-50.66	-41.31	-17.04	-81.78	-140.13	53.98	-194.11	-110	-84.11
745.875	-80.45	-10.79	-50.83	-41.15	-18.07	-82.13	-141.36	53.98	-195.33	-110	-85.33
748.250	-80.72	-10.79	-50.90	-41.40	-19.03	-82.24	-142.67	53.98	-196.65	-110	-86.65
750.625	-80.68	-10.79	-50.84	-41.38	-20.54	-82.49	-144.41	53.98	-198.39	-110	-88.39
753.000	-80.78	-10.79	-50.84	-41.49	-21.43	-82.23	-145.15	53.98	-199.13	-110	-89.13
755.375	-81.25	-10.79	-50.87	-41.96	-22.24	-81.70	-145.90	53.98	-199.88	-110	-89.88
757.750	-81.42	-10.79	-50.85	-42.09	-23.26	-82.87	-148.22	53.98	-202.20	-110	-92.20
760.125	-81.62	-10.79	-50.90	-42.27	-23.90	-82.46	-148.63	53.98	-202.61	-110	-92.61
762.500	-81.62	-10.79	-50.83	-42.32	-24.67	-82.27	-149.27	53.98	-203.25	-110	-93.25
764.875	-81.82	-10.79	-50.81	-42.51	-25.11	-81.73	-149.34	53.98	-203.32	-110	-93.32
767.250	-82.16	-10.79	-50.84	-42.89	-25.50	-82.37	-150.76	53.98	-204.74	-110	-94.74
769.625	-82.05	-10.79	-50.72	-42.82	-25.98	-80.62	-149.43	53.98	-203.41	-110	-93.41
772.000	-82.28	-10.79	-50.77	-43.03	-26.29	-82.59	-151.91	53.98	-205.89	-110	-95.89
774.375	-82.50	-10.79	-50.84	-43.25	-26.56	-82.09	-151.90	53.98	-205.88	-110	-95.88
776.750	-82.53	-10.79	-50.74	-43.33	-27.20	-82.55	-153.08	53.98	-207.06	-110	-97.06

779.125	-82.59	-10.79	-50.79	-43.33	-27.70	-82.77	-153.79	53.98	-207.77	-110	-97.77
781.500	-82.27	-10.79	-50.72	-43.10	-28.38	-82.46	-153.93	53.98	-207.91	-110	-97.91
783.875	-82.39	-10.79	-50.75	-43.17	-29.53	-82.89	-155.59	53.98	-209.57	-110	-99.57
786.250	-82.02	-10.79	-50.79	-42.76	-30.34	-82.28	-155.38	53.98	-209.36	-110	-99.36
788.625	-81.91	-10.79	-50.75	-42.70	-31.12	-82.51	-156.33	53.98	-210.31	-110	-100.31
791.000	-81.72	-10.79	-50.68	-42.52	-32.38	-82.20	-157.10	53.98	-211.08	-110	-101.08
793.375	-81.33	-10.79	-50.88	-42.06	-33.17	-82.15	-157.38	53.98	-211.35	-110	-101.35
795.750	-81.03	-10.79	-50.81	-41.80	-33.88	-82.85	-158.54	53.98	-212.52	-110	-102.52
798.125	-81.12	-10.79	-50.81	-41.87	-34.81	-82.55	-159.24	53.98	-213.22	-110	-103.22
800.500	-80.71	-10.79	-50.83	-41.49	-35.29	-82.43	-159.21	53.98	-213.19	-110	-103.19
802.875	-80.58	-10.79	-50.81	-41.34	-35.76	-82.37	-159.47	53.98	-213.45	-110	-103.45
805.250	-80.54	-10.79	-50.86	-41.24	-36.26	-82.29	-159.79	53.98	-213.77	-110	-103.77
807.625	-80.38	-10.79	-50.79	-41.13	-36.58	-82.29	-160.00	53.98	-213.98	-110	-103.98
810.000	-80.44	-10.79	-50.81	-41.15	-36.76	-81.75	-159.66	53.98	-213.64	-110	-103.64
812.375	-80.27	-10.79	-50.77	-40.98	-36.99	-83.11	-161.08	53.98	-215.06	-110	-105.06
814.750	-80.46	-10.79	-50.84	-41.13	-37.21	-82.35	-160.69	53.98	-214.67	-110	-104.67
817.125	-80.44	-10.79	-50.66	-41.27	-37.39	-82.45	-161.12	53.98	-215.10	-110	-105.10
819.500	-80.71	-10.79	-50.72	-41.53	-37.80	-82.21	-161.54	53.98	-215.52	-110	-105.52
821.875	-81.88	-10.79	-50.75	-42.74	-38.22	-81.73	-162.69	53.98	-216.67	-110	-106.67
824.250	-82.21	-10.79	-50.63	-43.10	-38.75	-82.13	-163.99	53.98	-217.96	-110	-107.96
826.625	-83.14	-10.79	-50.74	-43.99	-39.64	-82.23	-165.86	53.98	-219.84	-110	-109.84
829.000	-83.51	-10.79	-50.77	-44.31	-40.38	-81.98	-166.67	53.98	-220.65	-110	-110.65
831.375	-83.76	-10.79	-50.86	-44.51	-41.15	-81.69	-167.34	53.98	-221.32	-110	-111.32
833.750	-84.46	-10.79	-50.83	-45.22	-42.28	-82.20	-169.69	53.98	-223.67	-110	-113.67
836.125	-84.24	-10.79	-50.74	-45.13	-43.05	-81.13	-169.31	53.98	-223.29	-110	-113.29
838.500	-83.57	-10.79	-50.76	-44.40	-44.04	-81.35	-169.79	53.98	-223.77	-110	-113.77
840.875	-83.90	-10.79	-50.73	-44.72	-44.49	-82.23	-171.44	53.98	-225.41	-110	-115.41
843.250	-83.65	-10.79	-50.86	-44.41	-44.99	-81.19	-170.58	53.98	-224.56	-110	-114.56
845.625	-82.58	-10.79	-50.85	-43.36	-45.55	-81.43	-170.34	53.98	-224.32	-110	-114.32
848.000	-82.61	-10.79	-50.86	-43.34	-45.85	-82.18	-171.36	53.98	-225.34	-110	-115.34
850.375	-82.07	-10.79	-50.78	-42.89	-46.04	-82.39	-171.32	53.98	-225.30	-110	-115.30
852.750	-82.04	-10.79	-50.79	-42.86	-46.33	-81.67	-170.85	53.98	-224.83	-110	-114.83
855.125	-82.27	-10.79	-50.79	-43.04	-46.37	-82.47	-171.87	53.98	-225.85	-110	-115.85
857.500	-81.85	-10.79	-50.79	-42.63	-46.45	-81.04	-170.12	53.98	-224.10	-110	-114.10
859.875	-81.83	-10.79	-50.78	-42.62	-46.61	-82.10	-171.32	53.98	-225.30	-110	-115.30
862.250	-81.84	-10.79	-50.78	-42.65	-46.79	-82.18	-171.62	53.98	-225.60	-110	-115.60
864.625	-81.97	-10.79	-50.70	-42.87	-47.09	-81.85	-171.82	53.98	-225.80	-110	-115.80
867.000	-82.25	-10.79	-50.74	-43.06	-47.74	-81.88	-172.67	53.98	-226.65	-110	-116.65
869.375	-82.63	-10.79	-50.79	-43.46	-48.39	-81.23	-173.08	53.98	-227.06	-110	-117.06
871.750	-82.47	-10.79	-50.71	-43.39	-49.03	-81.53	-173.95	53.98	-227.93	-110	-117.93

874.125	-82.93	-10.79	-50.72	-43.86	-50.20	-81.97	-176.03	53.98	-230.01	-110	-120.01
876.500	-82.96	-10.79	-50.70	-43.81	-50.90	-81.19	-175.90	53.98	-229.88	-110	-119.88
878.875	-83.63	-10.79	-50.81	-44.43	-51.57	-82.22	-178.23	53.98	-232.21	-110	-122.21
881.250	-83.92	-10.79	-50.79	-44.73	-52.49	-81.15	-178.37	53.98	-232.35	-110	-122.35
883.625	-83.84	-10.79	-50.85	-44.59	-53.12	-81.59	-179.30	53.98	-233.28	-110	-123.28
886.000	-83.53	-10.79	-50.81	-44.33	-53.65	-82.14	-180.13	53.98	-234.11	-110	-124.11
888.375	-83.24	-10.79	-50.77	-44.05	-53.82	-81.99	-179.85	53.98	-233.83	-110	-123.83
890.750	-82.90	-10.79	-50.91	-43.68	-54.05	-81.86	-179.59	53.98	-233.57	-110	-123.57
893.125	-82.89	-10.79	-50.77	-43.68	-54.24	-82.38	-180.30	53.98	-234.28	-110	-124.28
895.500	-83.31	-10.79	-50.93	-44.01	-54.29	-81.85	-180.14	53.98	-234.12	-110	-124.12
897.875	-83.11	-10.79	-50.78	-43.91	-54.39	-81.89	-180.19	53.98	-234.16	-110	-124.16
900.250	-83.27	-10.79	-50.74	-44.10	-54.54	-82.39	-181.03	53.98	-235.01	-110	-125.01
902.625	-82.78	-10.79	-50.85	-43.52	-54.72	-82.30	-180.54	53.98	-234.52	-110	-124.52
905.000	-82.66	-10.79	-50.80	-43.48	-54.82	-82.12	-180.41	53.98	-234.39	-110	-124.39
907.375	-81.74	-10.79	-50.75	-42.59	-55.52	-81.63	-179.74	53.98	-233.71	-110	-123.71
909.750	-80.99	-10.79	-50.78	-41.88	-56.05	-81.91	-179.84	53.98	-233.82	-110	-123.82
912.125	-80.50	-10.79	-50.73	-41.37	-56.64	-81.91	-179.92	53.98	-233.90	-110	-123.90
914.500	-79.52	-10.79	-50.80	-40.34	-57.60	-81.81	-179.75	53.98	-233.73	-110	-123.73
916.875	-78.84	-10.79	-50.69	-39.74	-58.22	-81.76	-179.72	53.98	-233.70	-110	-123.70
919.250	-78.02	-10.79	-50.67	-38.97	-58.92	-82.10	-179.99	53.98	-233.97	-110	-123.97
921.625	-77.19	-10.79	-50.60	-38.12	-59.61	-82.38	-180.11	53.98	-234.09	-110	-124.09
924.000	-76.44	-10.79	-50.74	-37.31	-60.06	-82.87	-180.24	53.98	-234.21	-110	-124.21
926.375	-75.66	-10.79	-50.67	-36.57	-60.26	-81.84	-178.66	53.98	-232.64	-110	-122.64
928.750	-74.96	-10.79	-50.69	-35.90	-60.74	-80.97	-177.61	53.98	-231.59	-110	-121.59
931.125	-74.39	-10.79	-50.81	-35.21	-61.00	-82.84	-179.05	53.98	-233.03	-110	-123.03
933.500	-73.81	-10.79	-50.79	-34.67	-61.27	-82.19	-178.14	53.98	-232.11	-110	-122.11
935.875	-73.12	-10.79	-50.85	-33.97	-61.23	-82.68	-177.88	53.98	-231.86	-110	-121.86
938.250	-72.48	-10.79	-50.87	-33.27	-61.33	-82.71	-177.30	53.98	-231.28	-110	-121.28
940.625	-72.10	-10.79	-50.74	-32.95	-61.45	-82.39	-176.79	53.98	-230.77	-110	-120.77
943.000	-71.79	-10.79	-50.82	-32.59	-61.60	-82.34	-176.53	53.98	-230.51	-110	-120.51
945.375	-71.29	-10.79	-50.75	-32.13	-61.77	-81.55	-175.46	53.98	-229.44	-110	-119.44
947.750	-71.01	-10.79	-50.72	-31.89	-62.25	-82.93	-177.06	53.98	-231.04	-110	-121.04
950.125	-70.71	-10.79	-50.77	-31.57	-62.57	-81.91	-176.06	53.98	-230.04	-110	-120.04
952.500	-70.45	-10.79	-50.70	-31.36	-63.01	-82.48	-176.85	53.98	-230.83	-110	-120.83
954.875	-70.72	-10.79	-50.81	-31.59	-64.31	-82.60	-178.49	53.98	-232.47	-110	-122.47
957.250	-70.72	-10.79	-50.71	-31.62	-64.53	-83.39	-179.54	53.98	-233.52	-110	-123.52
959.625	-70.65	-10.79	-50.66	-31.61	-65.31	-82.08	-179.00	53.98	-232.98	-110	-122.98
962.000	-70.57	-10.79	-50.75	-31.43	-65.89	-81.24	-178.55	53.98	-232.53	-110	-122.53
964.375	-71.12	-10.79	-50.71	-32.01	-66.14	-82.66	-180.81	53.98	-234.79	-110	-124.79
966.750	-71.37	-10.79	-50.67	-32.25	-66.63	-82.43	-181.31	53.98	-235.29	-110	-125.29

969.125	-71.84	-10.79	-50.81	-32.69	-67.24	-82.23	-182.16	53.98	-236.14	-110	-126.14
971.500	-72.63	-10.79	-50.73	-33.50	-67.30	-80.97	-181.78	53.98	-235.76	-110	-125.76
973.875	-73.81	-10.79	-50.81	-34.64	-67.23	-81.29	-183.16	53.98	-237.14	-110	-127.14
976.250	-74.79	-10.79	-50.92	-35.56	-67.62	-81.62	-184.81	53.98	-238.79	-110	-128.79
978.625	-75.41	-10.79	-50.88	-36.25	-67.79	-81.88	-185.91	53.98	-239.89	-110	-129.89
981.000	-75.66	-10.79	-50.97	-36.42	-67.25	-81.96	-185.63	53.98	-239.61	-110	-129.61
983.375	-75.14	-10.79	-50.84	-35.96	-67.42	-82.63	-186.01	53.98	-239.99	-110	-129.99
985.750	-74.16	-10.79	-50.81	-35.02	-68.01	-82.25	-185.28	53.98	-239.26	-110	-129.26
988.125	-72.91	-10.79	-50.83	-33.72	-67.67	-82.15	-183.54	53.98	-237.52	-110	-127.52
990.500	-71.40	-10.79	-50.67	-32.35	-68.20	-82.55	-183.10	53.98	-237.08	-110	-127.08
992.875	-70.24	-10.79	-50.60	-31.22	-68.34	-82.15	-181.72	53.98	-235.69	-110	-125.69
995.250	-69.15	-10.79	-50.67	-30.09	-69.08	-82.78	-181.95	53.98	-235.93	-110	-125.93
997.625	-68.07	-10.79	-50.60	-29.09	-69.46	-82.28	-180.82	53.98	-234.80	-110	-124.80
1000.000	-67.10	-10.79	-50.64	-28.08	-70.30	-80.14	-178.52	53.98	-232.50	-110	-122.50

Table 3
1000 – 6000 MHz_ATSC 1.0

Freq	1	2	3	4	5	6	7	8	9	Limit	Margin
MHz	dBm	dB	dB	dBm	dB	dB	dB	dBm	dBm	dBc	dB
1000	-65.51	-10.79	-50.52	-26.55	-69.18	-80.34	-176.07	53.98	-230.05	-110	-120.05
1012.5	-63.38	-10.79	-50.71	-24.32	-81.05	-80.32	-185.69	53.98	-239.67	-110	-129.67
1025	-64.91	-10.79	-50.81	-25.84	-72.08	-80.32	-178.24	53.98	-232.22	-110	-122.22
1037.5	-71.18	-10.79	-50.70	-32.08	-72.46	-80.42	-184.96	53.98	-238.94	-110	-128.94
1050	-79.47	-10.79	-50.58	-40.53	-77.54	-80.38	-198.45	53.98	-252.43	-110	-142.43
1062.5	-77.16	-10.79	-50.80	-38.09	-78.64	-80.15	-196.88	53.98	-250.86	-110	-140.86
1075	-65.01	-10.79	-50.77	-25.97	-79.13	-73.60	-178.69	53.98	-232.67	-110	-122.67
1087.5	-45.64	-10.79	-50.67	-6.58	-79.25	-80.08	-165.91	53.98	-219.89	-110	-109.89
1100	-27.71	-10.79	-50.64	11.17	-80.37	-80.21	-149.41	53.98	-203.39	-110	-93.39
1112.5	-34.83	-10.79	-50.76	4.15	-80.50	-79.53	-155.88	53.98	-209.86	-110	-99.86
1125	-57.37	-10.79	-50.82	-18.25	-78.87	-80.33	-177.45	53.98	-231.43	-110	-121.43
1137.5	-70.31	-10.79	-50.60	-31.44	-80.77	-79.85	-192.06	53.98	-246.04	-110	-136.04
1150	-81.81	-10.79	-50.79	-42.81	-80.96	-79.18	-202.94	53.98	-256.92	-110	-146.92
1162.5	-78.34	-10.79	-50.77	-39.34	-80.83	-79.05	-199.21	53.98	-253.19	-110	-143.19
1175	-75.82	-10.79	-50.69	-36.82	-79.97	-80.03	-196.82	53.98	-250.80	-110	-140.80
1187.5	-72.44	-10.79	-50.70	-33.49	-80.01	-80.32	-193.83	53.98	-247.81	-110	-137.81
1200	-73.25	-10.79	-50.86	-34.21	-80.47	-80.57	-195.26	53.98	-249.24	-110	-139.24
1212.5	-80.27	-10.79	-50.83	-41.23	-79.94	-80.59	-201.75	53.98	-255.73	-110	-145.73
1225	-83.98	-10.79	-50.80	-44.94	-80.38	-79.98	-205.30	53.98	-259.28	-110	-149.28
1237.5	-82.95	-10.79	-50.55	-44.09	-80.38	-79.78	-204.24	53.98	-258.22	-110	-148.22
1250	-81.00	-10.79	-50.77	-42.02	-80.35	-79.61	-201.97	53.98	-255.95	-110	-145.95

1262.5	-82.96	-10.79	-50.78	-43.98	-79.89	-79.75	-203.62	53.98	-257.60	-110	-147.60
1275	-84.53	-10.79	-50.52	-45.77	-80.58	-79.71	-206.05	53.98	-260.03	-110	-150.03
1287.5	-82.62	-10.79	-50.70	-43.69	-80.40	-79.68	-203.77	53.98	-257.75	-110	-147.75
1300	-81.62	-10.79	-50.74	-42.70	-80.22	-79.75	-202.68	53.98	-256.65	-110	-146.65
1312.5	-85.42	-10.79	-50.68	-46.52	-79.70	-79.85	-206.06	53.98	-260.04	-110	-150.04
1325	-89.02	-10.79	-50.51	-50.22	-80.41	-67.62	-198.25	53.98	-252.23	-110	-142.23
1337.5	-89.53	-10.79	-50.78	-50.67	-80.30	-75.68	-206.65	53.98	-260.63	-110	-150.63
1350	-89.43	-10.79	-50.78	-50.46	-80.40	-58.16	-189.02	53.98	-243.00	-110	-133.00
1362.5	-88.37	-10.79	-50.48	-49.64	-79.96	-79.84	-209.45	53.98	-263.43	-110	-153.43
1375	-87.06	-10.79	-50.60	-48.31	-79.99	-78.70	-207.00	53.98	-260.98	-110	-150.98
1387.5	-87.04	-10.79	-50.66	-48.20	-80.18	-75.88	-204.26	53.98	-258.24	-110	-148.24
1400	-88.67	-10.79	-50.49	-50.01	-80.87	-61.83	-192.72	53.98	-246.70	-110	-136.70
1412.5	-89.87	-10.79	-50.43	-51.29	-80.55	-50.40	-182.23	53.98	-236.21	-110	-126.21
1425	-88.30	-10.79	-50.55	-49.58	-80.07	-54.98	-184.62	53.98	-238.60	-110	-128.60
1437.5	-86.17	-10.79	-50.60	-47.44	-79.90	-37.64	-164.98	53.98	-218.96	-110	-108.96
1450	-87.38	-10.79	-50.37	-48.82	-79.91	-64.26	-192.99	53.98	-246.97	-110	-136.97
1462.5	-87.71	-10.79	-50.49	-49.18	-79.94	-67.45	-196.58	53.98	-250.56	-110	-140.56
1475	-87.75	-10.79	-50.43	-49.18	-80.37	-59.94	-189.49	53.98	-243.47	-110	-133.47
1487.5	-87.45	-10.79	-50.67	-48.67	-79.52	-42.26	-170.45	53.98	-224.43	-110	-114.43
1500	-87.67	-10.79	-50.18	-49.34	-79.64	-66.83	-195.82	53.98	-249.79	-110	-139.79
1512.5	-87.65	-10.79	-50.33	-49.15	-80.47	-72.60	-202.23	53.98	-256.21	-110	-146.21
1525	-85.51	-10.79	-50.48	-46.97	-80.20	-74.84	-202.01	53.98	-255.99	-110	-145.99
1537.5	-82.79	-10.79	-50.61	-44.14	-80.06	-71.76	-195.97	53.98	-249.95	-110	-139.95
1550	-79.33	-10.79	-50.02	-41.08	-79.44	-67.15	-187.68	53.98	-241.66	-110	-131.66
1562.5	-78.41	-10.79	-50.42	-39.96	-79.82	-45.83	-165.61	53.98	-219.59	-110	-109.59
1575	-80.96	-10.79	-50.33	-42.55	-79.97	-61.43	-183.95	53.98	-237.93	-110	-127.93
1587.5	-82.69	-10.79	-50.11	-44.48	-80.20	-53.42	-178.11	53.98	-232.09	-110	-122.09
1600	-81.91	-10.79	-50.13	-43.57	-79.94	-52.73	-176.24	53.98	-230.22	-110	-120.22
1612.5	-76.72	-10.79	-50.38	-38.39	-80.44	-66.61	-185.43	53.98	-239.41	-110	-129.41
1625	-66.01	-10.79	-50.34	-27.64	-79.93	-66.85	-174.43	53.98	-228.41	-110	-118.41
1637.5	-44.42	-10.79	-49.98	-6.30	-79.36	-64.75	-150.41	53.98	-204.39	-110	-94.39
1650	-29.68	-10.79	-50.09	8.48	-79.87	-49.59	-120.99	53.98	-174.97	-110	-64.97
1662.5	-34.85	-10.79	-50.17	3.38	-79.56	-63.13	-139.31	53.98	-193.29	-110	-83.29
1675	-62.09	-10.79	-49.95	-24.03	-79.74	-59.84	-163.61	53.98	-217.59	-110	-107.59
1687.5	-76.63	-10.79	-49.92	-38.62	-80.06	-56.05	-174.72	53.98	-228.70	-110	-118.70
1700	-81.60	-10.79	-50.05	-43.57	-80.21	-79.65	-203.42	53.98	-257.40	-110	-147.40
1712.5	-83.06	-10.79	-50.01	-45.03	-79.18	-79.00	-203.21	53.98	-257.19	-110	-147.19
1725	-84.17	-10.79	-49.73	-46.40	-79.53	-79.51	-205.44	53.98	-259.42	-110	-149.42
1737.5	-83.99	-10.79	-49.84	-46.15	-79.70	-79.79	-205.65	53.98	-259.63	-110	-149.63
1750	-84.24	-10.79	-50.04	-46.24	-79.76	-79.82	-205.82	53.98	-259.80	-110	-149.80

1762.5	-83.94	-10.79	-49.70	-46.27	-79.79	-79.62	-205.68	53.98	-259.66	-110	-149.66
1775	-83.25	-10.79	-49.79	-45.43	-79.47	-78.95	-203.85	53.98	-257.83	-110	-147.83
1787.5	-83.74	-10.79	-49.74	-45.95	-78.66	-79.03	-203.63	53.98	-257.61	-110	-147.61
1800	-85.25	-10.79	-49.92	-47.45	-79.55	-79.42	-206.42	53.98	-260.39	-110	-150.39
1812.5	-86.03	-10.79	-49.58	-48.43	-78.57	-78.87	-205.87	53.98	-259.84	-110	-149.84
1825	-87.08	-10.79	-49.70	-49.37	-79.66	-77.74	-206.77	53.98	-260.74	-110	-150.74
1837.5	-87.26	-10.79	-49.95	-49.40	-79.59	-79.02	-208.01	53.98	-261.99	-110	-151.99
1850	-87.86	-10.79	-49.90	-50.21	-79.67	-78.91	-208.79	53.98	-262.77	-110	-152.77
1862.5	-87.27	-10.79	-49.62	-49.65	-78.67	-79.08	-207.40	53.98	-261.38	-110	-151.38
1875	-87.34	-10.79	-49.77	-49.56	-79.75	-69.96	-199.27	53.98	-253.25	-110	-143.25
1887.5	-86.96	-10.79	-49.90	-49.13	-79.71	-78.92	-207.75	53.98	-261.73	-110	-151.73
1900	-87.12	-10.79	-49.75	-49.45	-78.37	-79.28	-207.10	53.98	-261.08	-110	-151.08
1912.5	-87.04	-10.79	-49.49	-49.61	-78.82	-78.94	-207.37	53.98	-261.35	-110	-151.35
1925	-86.66	-10.79	-49.81	-48.99	-79.04	-46.03	-174.06	53.98	-228.04	-110	-118.04
1937.5	-86.79	-10.79	-49.59	-49.18	-79.61	-38.66	-167.46	53.98	-221.44	-110	-111.44
1950	-86.21	-10.79	-49.37	-48.89	-79.31	-38.30	-166.50	53.98	-220.48	-110	-110.48
1962.5	-85.50	-10.79	-49.28	-48.25	-79.59	-60.94	-188.78	53.98	-242.76	-110	-132.76
1975	-84.59	-10.79	-49.26	-47.31	-79.23	-58.31	-184.85	53.98	-238.83	-110	-128.83
1987.5	-85.45	-10.79	-49.25	-48.30	-78.91	-73.64	-200.86	53.98	-254.84	-110	-144.84
2000	-85.05	-10.79	-46.55	-50.57	-79.41	-60.42	-190.40	53.98	-244.38	-110	-134.38
2012.5	-84.70	-10.79	-48.95	-47.77	-79.38	-40.26	-167.41	53.98	-221.39	-110	-111.39
2025	-84.24	-10.79	-48.81	-47.49	-79.44	-51.18	-178.11	53.98	-232.09	-110	-122.09
2037.5	-83.64	-10.79	-48.90	-46.91	-79.12	-79.01	-205.04	53.98	-259.02	-110	-149.02
2050	-82.94	-10.79	-48.94	-46.17	-78.93	-78.76	-203.86	53.98	-257.84	-110	-147.84
2062.5	-83.30	-10.79	-48.61	-46.78	-78.53	-78.11	-203.42	53.98	-257.40	-110	-147.40
2075	-83.44	-10.79	-48.65	-46.94	-78.75	-78.55	-204.25	53.98	-258.22	-110	-148.22
2087.5	-80.88	-10.79	-48.52	-44.41	-79.00	-78.05	-201.45	53.98	-255.43	-110	-145.43
2100	-77.76	-10.79	-48.37	-41.47	-78.78	-78.35	-198.59	53.98	-252.57	-110	-142.57
2112.5	-77.14	-10.79	-48.54	-40.70	-78.60	-78.30	-197.60	53.98	-251.58	-110	-141.58
2125	-77.76	-10.79	-48.26	-41.53	-79.28	-74.97	-195.78	53.98	-249.76	-110	-139.76
2137.5	-76.16	-10.79	-48.47	-39.90	-77.85	-69.13	-186.87	53.98	-240.85	-110	-130.85
2150	-72.25	-10.79	-48.14	-36.23	-78.90	-78.69	-193.82	53.98	-247.80	-110	-137.80
2162.5	-70.15	-10.79	-48.17	-34.16	-79.05	-77.59	-190.80	53.98	-244.78	-110	-134.78
2175	-66.54	-10.79	-48.31	-30.34	-79.19	-49.91	-159.44	53.98	-213.41	-110	-103.41
2187.5	-49.24	-10.79	-48.14	-13.27	-78.89	-77.68	-169.84	53.98	-223.82	-110	-113.82
2200	-40.85	-10.79	-48.15	-4.96	-79.36	-78.88	-163.20	53.98	-217.18	-110	-107.18
2212.5	-44.90	-10.79	-47.92	-9.11	-78.70	-78.59	-166.40	53.98	-220.38	-110	-110.38
2225	-70.35	-10.79	-47.96	-34.52	-79.09	-44.90	-158.51	53.98	-212.49	-110	-102.49
2237.5	-81.08	-10.79	-47.95	-45.27	-79.13	-71.36	-195.75	53.98	-249.73	-110	-139.73
2250	-86.07	-10.79	-47.74	-50.50	-78.27	-72.66	-201.42	53.98	-255.40	-110	-145.40

2262.5	-86.75	-10.79	-47.78	-51.21	-78.56	-46.10	-175.87	53.98	-229.84	-110	-119.84
2275	-85.76	-10.79	-47.87	-50.05	-78.92	-51.61	-180.58	53.98	-234.56	-110	-124.56
2287.5	-83.90	-10.79	-47.93	-48.19	-79.16	-78.39	-205.74	53.98	-259.72	-110	-149.72
2300	-84.78	-10.79	-47.62	-49.35	-78.34	-78.67	-206.36	53.98	-260.34	-110	-150.34
2312.5	-85.40	-10.79	-47.76	-49.89	-79.31	-78.61	-207.81	53.98	-261.79	-110	-151.79
2325	-86.00	-10.79	-47.85	-50.33	-78.57	-78.52	-207.42	53.98	-261.40	-110	-151.40
2337.5	-86.69	-10.79	-47.96	-50.85	-78.96	-77.69	-207.50	53.98	-261.48	-110	-151.48
2350	-87.98	-10.79	-47.81	-52.35	-78.63	-77.67	-208.64	53.98	-262.62	-110	-152.62
2362.5	-87.65	-10.79	-47.87	-52.02	-78.16	-78.63	-208.80	53.98	-262.78	-110	-152.78
2375	-86.55	-10.79	-47.83	-50.87	-78.63	-78.25	-207.75	53.98	-261.73	-110	-151.73
2387.5	-88.18	-10.79	-47.94	-52.40	-78.38	-78.54	-209.31	53.98	-263.29	-110	-153.29
2400	-88.05	-10.79	-47.83	-52.41	-78.43	-78.70	-209.53	53.98	-263.51	-110	-153.51
2412.5	-88.10	-10.79	-47.63	-52.69	-78.47	-78.07	-209.23	53.98	-263.21	-110	-153.21
2425	-88.68	-10.79	-47.74	-53.12	-78.30	-77.65	-209.07	53.98	-263.05	-110	-153.05
2437.5	-88.73	-10.79	-47.68	-53.27	-78.65	-51.65	-183.58	53.98	-237.56	-110	-127.56
2450	-89.08	-10.79	-47.79	-53.49	-78.09	-32.83	-164.42	53.98	-218.40	-110	-108.40
2462.5	-88.21	-10.79	-47.63	-52.76	-78.70	-39.20	-170.66	53.98	-224.64	-110	-114.64
2475	-88.45	-10.79	-47.56	-53.17	-77.89	-64.21	-195.26	53.98	-249.24	-110	-139.24
2487.5	-88.30	-10.79	-47.56	-52.99	-77.61	-68.17	-198.77	53.98	-252.75	-110	-142.75
2500	-88.03	-10.79	-47.42	-52.80	-77.72	-76.23	-206.75	53.98	-260.73	-110	-150.73
2512.5	-88.27	-10.79	-47.46	-53.03	-77.64	-74.61	-205.28	53.98	-259.26	-110	-149.26
2525	-88.51	-10.79	-47.15	-53.61	-77.63	-72.58	-203.82	53.98	-257.80	-110	-147.80
2537.5	-87.94	-10.79	-47.26	-53.06	-77.74	-71.67	-202.46	53.98	-256.44	-110	-146.44
2550	-86.26	-10.79	-47.31	-51.18	-77.61	-69.53	-198.32	53.98	-252.30	-110	-142.30
2562.5	-84.82	-10.79	-47.32	-49.75	-77.31	-56.69	-183.76	53.98	-237.74	-110	-127.74
2575	-84.68	-10.79	-47.07	-49.82	-77.29	-36.60	-163.70	53.98	-217.68	-110	-107.68
2587.5	-84.86	-10.79	-46.90	-50.22	-77.43	-47.83	-175.47	53.98	-229.45	-110	-119.45
2600	-84.94	-10.79	-46.90	-50.31	-77.73	-36.57	-164.61	53.98	-218.59	-110	-108.59
2612.5	-84.77	-10.79	-47.05	-49.96	-78.40	-45.35	-173.71	53.98	-227.69	-110	-117.69
2625	-82.92	-10.79	-47.02	-48.21	-78.31	-64.92	-191.44	53.98	-245.42	-110	-135.42
2637.5	-81.32	-10.79	-46.80	-46.80	-78.06	-67.00	-191.86	53.98	-245.84	-110	-135.84
2650	-81.98	-10.79	-46.64	-47.63	-78.04	-66.21	-191.88	53.98	-245.86	-110	-135.86
2662.5	-81.38	-10.79	-46.70	-46.97	-77.53	-56.52	-181.03	53.98	-235.01	-110	-125.01
2675	-81.08	-10.79	-44.30	-49.07	-77.55	-37.85	-164.48	53.98	-218.45	-110	-108.45
2687.5	-81.38	-10.79	-46.62	-47.03	-77.45	-47.23	-171.71	53.98	-225.69	-110	-115.69
2700	-81.46	-10.79	-46.45	-47.29	-78.16	-38.00	-163.44	53.98	-217.42	-110	-107.42
2712.5	-79.68	-10.79	-46.53	-45.52	-77.94	-45.52	-168.98	53.98	-222.96	-110	-112.96
2725	-73.85	-10.79	-46.58	-39.58	-77.83	-75.21	-192.63	53.98	-246.61	-110	-136.61
2737.5	-52.54	-10.79	-46.57	-18.19	-77.85	-74.60	-170.64	53.98	-224.62	-110	-114.62
2750	-42.64	-10.79	-46.28	-8.72	-76.33	-74.56	-159.61	53.98	-213.58	-110	-103.58

2762.5	-44.25	-10.79	-46.21	-10.49	-77.44	-71.78	-159.72	53.98	-213.70	-110	-103.70
2775	-61.51	-10.79	-46.59	-27.30	-77.45	-53.57	-158.32	53.98	-212.30	-110	-102.30
2787.5	-71.53	-10.79	-46.42	-37.39	-77.37	-35.54	-150.30	53.98	-204.28	-110	-94.28
2800	-78.03	-10.79	-46.41	-43.95	-74.21	-69.86	-188.01	53.98	-241.99	-110	-131.99
2812.5	-83.61	-10.79	-45.89	-50.11	-72.42	-42.13	-164.66	53.98	-218.63	-110	-108.63
2825	-86.20	-10.79	-46.12	-52.42	-76.18	-33.12	-161.73	53.98	-215.71	-110	-105.71
2837.5	-86.24	-10.79	-46.43	-52.17	-76.67	-41.05	-169.89	53.98	-223.87	-110	-113.87
2850	-86.17	-10.79	-45.88	-52.56	-76.39	-46.24	-175.19	53.98	-229.17	-110	-119.17
2862.5	-86.97	-10.79	-45.91	-53.45	-74.76	-61.44	-189.65	53.98	-243.63	-110	-133.63
2875	-87.63	-10.79	-46.02	-54.07	-74.62	-68.02	-196.72	53.98	-250.70	-110	-140.70
2887.5	-89.10	-10.79	-46.08	-55.34	-70.99	-65.63	-191.96	53.98	-245.94	-110	-135.94
2900	-89.28	-10.79	-45.99	-55.63	-69.91	-72.16	-197.71	53.98	-251.69	-110	-141.69
2912.5	-88.77	-10.79	-45.62	-55.48	-67.55	-72.10	-195.12	53.98	-249.10	-110	-139.10
2925	-89.55	-10.79	-45.51	-56.31	-62.54	-71.31	-190.16	53.98	-244.13	-110	-134.13
2937.5	-90.27	-10.79	-45.78	-56.86	-57.75	-63.31	-177.93	53.98	-231.91	-110	-121.91
2950	-89.40	-10.79	-45.91	-55.88	-50.66	-44.25	-150.79	53.98	-204.77	-110	-94.77
2962.5	-89.56	-10.79	-45.66	-56.23	-39.03	-70.19	-165.45	53.98	-219.43	-110	-109.43
2975	-89.32	-10.79	-45.46	-56.20	-20.31	-31.57	-108.08	53.98	-162.06	-110	-52.06
2987.5	-89.14	-10.79	-45.61	-55.92	-38.34	-32.93	-127.18	53.98	-181.16	-110	-71.16
3000	-89.84	-10.79	-45.71	-56.48	-40.38	-61.08	-157.94	53.98	-211.92	-110	-101.92
3012.5	-89.78	-10.79	-45.63	-56.51	-23.93	-70.93	-151.37	53.98	-205.35	-110	-95.35
3025	-89.50	-10.79	-45.47	-56.40	-16.94	-58.41	-131.75	53.98	-185.73	-110	-75.73
3037.5	-88.65	-10.79	-45.50	-55.56	-44.33	-30.64	-130.53	53.98	-184.51	-110	-74.51
3050	-89.52	-10.79	-45.44	-56.41	-49.35	-44.91	-150.67	53.98	-204.65	-110	-94.65
3062.5	-89.89	-10.79	-45.62	-56.66	-54.23	-29.23	-140.12	53.98	-194.10	-110	-84.10
3075	-89.56	-10.79	-45.50	-56.46	-58.12	-30.18	-144.76	53.98	-198.74	-110	-88.74
3087.5	-89.88	-10.79	-45.44	-56.87	-58.51	-61.48	-176.86	53.98	-230.84	-110	-120.84
3100	-89.00	-10.79	-45.39	-55.98	-60.74	-33.38	-150.11	53.98	-204.09	-110	-94.09
3112.5	-88.74	-10.79	-45.51	-55.65	-60.82	-65.95	-182.42	53.98	-236.39	-110	-126.39
3125	-86.11	-10.79	-45.62	-52.91	-60.91	-75.16	-188.98	53.98	-242.95	-110	-132.95
3137.5	-87.89	-10.79	-45.30	-54.93	-59.61	-75.79	-190.33	53.98	-244.31	-110	-134.31
3150	-89.65	-10.79	-45.01	-56.93	-59.16	-74.87	-190.96	53.98	-244.94	-110	-134.94
3162.5	-88.85	-10.79	-45.77	-55.63	-58.86	-75.59	-190.08	53.98	-244.06	-110	-134.06
3175	-88.69	-10.79	-45.87	-55.23	-58.74	-44.46	-158.44	53.98	-212.42	-110	-102.42
3187.5	-88.64	-10.79	-45.72	-55.43	-57.63	-65.50	-178.56	53.98	-232.54	-110	-122.54
3200	-89.01	-10.79	-44.96	-56.48	-57.27	-76.25	-189.99	53.98	-243.97	-110	-133.97
3212.5	-88.70	-10.79	-45.32	-55.83	-56.40	-76.10	-188.33	53.98	-242.31	-110	-132.31
3225	-89.14	-10.79	-46.00	-55.67	-54.61	-75.59	-185.88	53.98	-239.86	-110	-129.86
3237.5	-89.22	-10.79	-45.61	-56.05	-54.27	-43.84	-154.16	53.98	-208.14	-110	-98.14
3250	-88.88	-10.79	-45.13	-56.19	-54.10	-76.28	-186.57	53.98	-240.55	-110	-130.55

3262.5	-88.34	-10.79	-45.13	-55.70	-49.92	-76.23	-181.84	53.98	-235.82	-110	-125.82
3275	-83.23	-10.79	-45.72	-49.93	-49.00	-75.73	-174.66	53.98	-228.64	-110	-118.64
3287.5	-63.11	-10.79	-45.10	-30.30	-48.06	-76.02	-154.37	53.98	-208.35	-110	-98.35
3300	-55.07	-10.79	-45.23	-22.27	-44.71	-76.61	-143.58	53.98	-197.56	-110	-87.56
3312.5	-57.12	-10.79	-45.05	-24.49	-39.63	-54.30	-118.43	53.98	-172.41	-110	-62.41
3325	-72.80	-10.79	-45.45	-39.73	-36.43	-74.46	-150.61	53.98	-204.59	-110	-94.59
3337.5	-86.81	-10.79	-45.40	-53.84	-31.76	-72.19	-157.80	53.98	-211.78	-110	-101.78
3350	-89.13	-10.79	-45.13	-56.33	-26.46	-74.62	-157.40	53.98	-211.38	-110	-101.38
3362.5	-89.51	-10.79	-45.25	-56.68	-14.06	-50.85	-121.59	53.98	-175.56	-110	-65.56
3375	-89.19	-10.79	-45.50	-56.21	-2.94	-64.60	-123.75	53.98	-177.73	-110	-67.73
3387.5	-89.52	-10.79	-45.39	-56.63	-2.50	-69.51	-128.64	53.98	-182.62	-110	-72.62
3400	-89.81	-10.79	-45.37	-56.89	-15.37	-42.24	-114.50	53.98	-168.48	-110	-58.48
3412.5	-90.18	-10.79	-45.54	-57.09	-21.18	-27.31	-105.58	53.98	-159.56	-110	-49.56
3425	-90.00	-10.79	-45.37	-57.14	-25.95	-38.77	-121.86	53.98	-175.84	-110	-65.84
3437.5	-89.49	-10.79	-45.33	-56.70	-28.87	-40.75	-126.33	53.98	-180.31	-110	-70.31
3450	-90.31	-10.79	-45.53	-57.32	-30.49	-47.22	-135.02	53.98	-189.00	-110	-79.00
3462.5	-90.67	-10.79	-45.60	-57.61	-26.56	-36.17	-120.34	53.98	-174.32	-110	-64.32
3475	-90.07	-10.79	-45.31	-57.29	-13.40	-32.51	-103.21	53.98	-157.19	-110	-47.19
3487.5	-90.68	-10.79	-45.24	-57.96	-18.42	-69.41	-145.80	53.98	-199.78	-110	-89.78
3500	-90.74	-10.79	-45.44	-57.82	-35.45	-71.22	-164.49	53.98	-218.47	-110	-108.47
3512.5	-89.74	-10.79	-45.77	-56.49	-42.09	-74.92	-173.50	53.98	-227.48	-110	-117.48
3525	-90.44	-10.79	-45.41	-57.55	-44.62	-76.43	-178.59	53.98	-232.57	-110	-122.57
3537.5	-88.83	-10.79	-45.27	-56.08	-50.04	-76.88	-183.00	53.98	-236.98	-110	-126.98
3550	-90.40	-10.79	-45.43	-57.52	-50.87	-68.28	-176.67	53.98	-230.65	-110	-120.65
3562.5	-90.20	-10.79	-45.73	-56.96	-54.20	-67.26	-178.41	53.98	-232.39	-110	-122.39
3575	-89.49	-10.79	-45.69	-56.36	-55.33	-76.55	-188.24	53.98	-242.22	-110	-132.22
3587.5	-89.68	-10.79	-45.46	-56.74	-56.68	-76.38	-189.80	53.98	-243.78	-110	-133.78
3600	-89.73	-10.79	-45.60	-56.66	-60.59	-70.30	-187.56	53.98	-241.54	-110	-131.54
3612.5	-89.77	-10.79	-45.77	-56.61	-61.63	-75.59	-193.83	53.98	-247.81	-110	-137.81
3625	-90.49	-10.79	-45.99	-57.06	-60.97	-71.85	-189.88	53.98	-243.86	-110	-133.86
3637.5	-89.78	-10.79	-45.58	-56.75	-62.24	-64.14	-183.13	53.98	-237.11	-110	-127.11
3650	-90.30	-10.79	-45.67	-57.17	-63.45	-64.86	-185.48	53.98	-239.46	-110	-129.46
3662.5	-90.69	-10.79	-46.14	-57.11	-64.68	-76.59	-198.37	53.98	-252.35	-110	-142.35
3675	-91.29	-10.79	-46.24	-57.60	-65.63	-63.98	-187.21	53.98	-241.19	-110	-131.19
3687.5	-91.17	-10.79	-46.04	-57.72	-65.36	-39.24	-162.32	53.98	-216.30	-110	-106.30
3700	-91.54	-10.79	-45.77	-58.39	-65.28	-64.38	-188.05	53.98	-242.03	-110	-132.03
3712.5	-91.67	-10.79	-46.09	-58.15	-66.31	-53.83	-178.29	53.98	-232.27	-110	-122.27
3725	-91.67	-10.79	-46.32	-57.90	-67.44	-75.36	-200.69	53.98	-254.67	-110	-144.67
3737.5	-91.47	-10.79	-46.49	-57.59	-66.89	-53.82	-178.30	53.98	-232.28	-110	-122.28
3750	-91.47	-10.79	-46.00	-58.02	-66.99	-47.99	-173.00	53.98	-226.98	-110	-116.98

3762.5	-91.40	-10.79	-46.08	-57.92	-67.24	-69.28	-194.45	53.98	-248.42	-110	-138.42
3775	-91.33	-10.79	-46.59	-57.35	-68.93	-53.77	-180.05	53.98	-234.03	-110	-124.03
3787.5	-91.54	-10.79	-46.49	-57.68	-69.06	-58.41	-185.16	53.98	-239.13	-110	-129.13
3800	-91.46	-10.79	-46.41	-57.62	-70.93	-30.36	-158.90	53.98	-212.88	-110	-102.88
3812.5	-91.06	-10.79	-46.36	-57.26	-69.82	-32.83	-159.91	53.98	-213.88	-110	-103.88
3825	-91.09	-10.79	-46.44	-57.30	-70.15	-35.86	-163.31	53.98	-217.29	-110	-107.29
3837.5	-86.15	-10.79	-46.70	-52.05	-71.43	-31.67	-155.15	53.98	-209.13	-110	-99.13
3850	-80.97	-10.79	-47.01	-46.69	-71.49	-43.52	-161.71	53.98	-215.69	-110	-105.69
3862.5	-85.78	-10.79	-46.90	-51.56	-71.08	-42.22	-164.86	53.98	-218.84	-110	-108.84
3875	-90.05	-10.79	-46.54	-56.17	-70.62	-62.66	-189.44	53.98	-243.42	-110	-133.42
3887.5	-89.90	-10.79	-46.77	-55.80	-73.77	-75.29	-204.86	53.98	-258.84	-110	-148.84
3900	-89.43	-10.79	-47.27	-54.83	-73.09	-73.20	-201.11	53.98	-255.09	-110	-145.09
3912.5	-89.53	-10.79	-46.79	-55.42	-70.75	-47.83	-173.99	53.98	-227.97	-110	-117.97
3925	-89.18	-10.79	-46.83	-55.03	-74.02	-43.14	-172.18	53.98	-226.16	-110	-116.16
3937.5	-89.92	-10.79	-46.80	-55.78	-70.95	-44.88	-171.60	53.98	-225.58	-110	-115.58
3950	-90.08	-10.79	-47.67	-55.06	-70.92	-61.65	-187.63	53.98	-241.61	-110	-131.61
3962.5	-89.44	-10.79	-47.39	-54.71	-69.56	-56.86	-181.13	53.98	-235.11	-110	-125.11
3975	-89.50	-10.79	-47.08	-55.07	-70.28	-27.89	-153.24	53.98	-207.22	-110	-97.22
3987.5	-89.98	-10.79	-47.18	-55.47	-70.69	-33.04	-159.20	53.98	-213.18	-110	-103.18
4000	-90.34	-10.79	-47.94	-55.11	-69.42	-41.79	-166.32	53.98	-220.30	-110	-110.30
4012.5	-90.59	-10.79	-47.90	-55.40	-70.00	-29.03	-154.44	53.98	-208.42	-110	-98.42
4025	-90.84	-10.79	-47.47	-56.02	-68.44	-33.33	-157.78	53.98	-211.76	-110	-101.76
4037.5	-91.67	-10.79	-47.87	-56.45	-68.34	-49.13	-173.92	53.98	-227.90	-110	-117.90
4050	-91.93	-10.79	-47.98	-56.63	-67.77	-34.61	-159.01	53.98	-212.99	-110	-102.99
4062.5	-91.94	-10.79	-48.18	-56.40	-65.65	-43.08	-165.14	53.98	-219.12	-110	-109.12
4075	-92.62	-10.79	-48.23	-57.14	-64.44	-31.98	-153.57	53.98	-207.55	-110	-97.55
4087.5	-92.69	-10.79	-48.07	-57.27	-62.65	-28.63	-148.55	53.98	-202.53	-110	-92.53
4100	-92.75	-10.79	-48.43	-56.98	-61.34	-55.51	-173.83	53.98	-227.81	-110	-117.81
4112.5	-92.48	-10.79	-48.54	-56.65	-59.47	-56.69	-172.81	53.98	-226.79	-110	-116.79
4125	-93.15	-10.79	-48.76	-57.01	-57.19	-57.54	-171.74	53.98	-225.72	-110	-115.72
4137.5	-93.04	-10.79	-48.72	-57.00	-55.08	-43.92	-156.00	53.98	-209.98	-110	-99.98
4150	-92.82	-10.79	-48.65	-56.88	-49.82	-26.35	-133.05	53.98	-187.03	-110	-77.03
4162.5	-93.01	-10.79	-49.36	-56.47	-43.83	-24.79	-125.10	53.98	-179.08	-110	-69.08
4175	-92.91	-10.79	-49.52	-56.14	-39.07	-37.15	-132.35	53.98	-186.33	-110	-76.33
4187.5	-92.76	-10.79	-49.24	-56.16	-27.31	-57.25	-140.73	53.98	-194.71	-110	-84.71
4200	-92.71	-10.79	-48.96	-56.46	-41.38	-72.77	-170.61	53.98	-224.59	-110	-114.59
4212.5	-92.28	-10.79	-49.33	-55.72	-46.71	-75.18	-177.60	53.98	-231.58	-110	-121.58
4225	-92.25	-10.79	-49.83	-55.13	-46.87	-71.60	-173.59	53.98	-227.57	-110	-117.57
4237.5	-92.45	-10.79	-49.76	-55.40	-47.49	-48.60	-151.50	53.98	-205.48	-110	-95.48
4250	-91.69	-10.79	-49.75	-54.75	-48.34	-63.25	-166.35	53.98	-220.33	-110	-110.33

4262.5	-91.82	-10.79	-49.71	-54.93	-48.32	-49.21	-152.47	53.98	-206.45	-110	-96.45
4275	-91.54	-10.79	-49.86	-54.35	-45.80	-48.12	-148.27	53.98	-202.25	-110	-92.25
4287.5	-90.78	-10.79	-50.46	-53.02	-45.34	-47.81	-146.17	53.98	-200.15	-110	-90.15
4300	-90.87	-10.79	-50.05	-53.54	-45.06	-43.50	-142.10	53.98	-196.08	-110	-86.08
4312.5	-90.40	-10.79	-50.06	-53.12	-43.70	-40.00	-136.82	53.98	-190.80	-110	-80.80
4325	-90.46	-10.79	-50.37	-52.79	-41.49	-37.17	-131.45	53.98	-185.43	-110	-75.43
4337.5	-90.51	-10.79	-50.81	-52.47	-36.67	-43.34	-132.47	53.98	-186.45	-110	-76.45
4350	-90.84	-10.79	-50.57	-53.03	-34.45	-20.56	-108.03	53.98	-162.01	-110	-52.01
4362.5	-90.42	-10.79	-50.48	-52.71	-29.41	-22.88	-105.00	53.98	-158.98	-110	-48.98
4375	-90.89	-10.79	-50.53	-53.19	-26.98	-40.80	-120.97	53.98	-174.95	-110	-64.95
4387.5	-89.26	-10.79	-51.03	-51.00	-22.60	-45.46	-119.06	53.98	-173.04	-110	-63.04
4400	-88.28	-10.79	-51.06	-49.95	-12.76	-38.88	-101.59	53.98	-155.57	-110	-45.57
4412.5	-89.95	-10.79	-50.79	-51.92	-7.47	-39.30	-98.70	53.98	-152.68	-110	-42.68
4425	-91.33	-10.79	-50.95	-53.21	-5.28	-38.91	-97.39	53.98	-151.37	-110	-41.37
4437.5	-91.79	-10.79	-51.09	-53.51	-5.85	-36.34	-95.70	53.98	-149.68	-110	-39.68
4450	-92.18	-10.79	-52.00	-53.00	-12.09	-24.51	-89.61	53.98	-143.59	-110	-33.59
4462.5	-92.44	-10.79	-51.55	-53.64	-13.81	-27.21	-94.66	53.98	-148.64	-110	-38.64
4475	-92.51	-10.79	-51.57	-53.75	-12.59	-37.37	-103.71	53.98	-157.69	-110	-47.69
4487.5	-92.78	-10.79	-52.68	-53.02	-8.77	-33.18	-94.97	53.98	-148.95	-110	-38.95
4500	-92.92	-10.79	-53.00	-52.71	-12.53	-42.44	-107.68	53.98	-161.65	-110	-51.65
4512.5	-92.97	-10.79	-53.67	-52.06	-24.31	-32.88	-109.25	53.98	-163.23	-110	-53.23
4525	-92.90	-10.79	-53.36	-52.40	-29.04	-40.63	-122.07	53.98	-176.05	-110	-66.05
4537.5	-92.81	-10.79	-54.36	-51.36	-37.48	-40.00	-128.85	53.98	-182.83	-110	-72.83
4550	-92.80	-10.79	-54.83	-50.75	-40.41	-50.37	-141.52	53.98	-195.50	-110	-85.50
4562.5	-92.55	-10.79	-55.13	-50.20	-41.38	-40.30	-131.87	53.98	-185.85	-110	-75.85
4575	-92.51	-10.79	-54.76	-50.60	-44.89	-42.32	-137.81	53.98	-191.79	-110	-81.79
4587.5	-92.03	-10.79	-54.56	-50.34	-49.94	-40.04	-140.32	53.98	-194.30	-110	-84.30
4600	-92.29	-10.79	-55.81	-49.30	-50.57	-38.34	-138.21	53.98	-192.19	-110	-82.19
4612.5	-92.12	-10.79	-55.71	-49.19	-52.06	-38.54	-139.78	53.98	-193.76	-110	-83.76
4625	-92.31	-10.79	-55.82	-49.33	-53.95	-36.39	-139.67	53.98	-193.65	-110	-83.65
4637.5	-92.03	-10.79	-55.51	-49.37	-56.88	-33.80	-140.05	53.98	-194.03	-110	-84.03
4650	-92.16	-10.79	-55.71	-49.28	-56.63	-50.55	-156.46	53.98	-210.44	-110	-100.44
4662.5	-91.06	-10.79	-56.28	-47.57	-57.07	-32.91	-137.55	53.98	-191.53	-110	-81.53
4675	-90.70	-10.79	-56.39	-46.94	-60.73	-45.24	-152.91	53.98	-206.89	-110	-96.89
4687.5	-90.34	-10.79	-56.37	-46.92	-61.12	-34.08	-142.12	53.98	-196.09	-110	-86.09
4700	-89.87	-10.79	-56.38	-46.29	-60.89	-38.27	-145.45	53.98	-199.43	-110	-89.43
4712.5	-89.98	-10.79	-56.76	-46.03	-61.19	-50.07	-157.29	53.98	-211.27	-110	-101.27
4725	-89.58	-10.79	-57.15	-45.26	-63.66	-43.75	-152.67	53.98	-206.65	-110	-96.65
4737.5	-90.10	-10.79	-57.25	-45.73	-63.97	-57.44	-167.14	53.98	-221.12	-110	-111.12
4750	-89.55	-10.79	-57.77	-44.65	-61.69	-60.14	-166.48	53.98	-220.46	-110	-110.46

4762.5	-89.84	-10.79	-60.84	-41.85	-62.93	-57.86	-162.64	53.98	-216.62	-110	-106.62
4775	-90.86	-10.79	-61.08	-42.67	-64.89	-57.62	-165.18	53.98	-219.16	-110	-109.16
4787.5	-90.78	-10.79	-60.36	-43.41	-64.84	-69.78	-178.04	53.98	-232.02	-110	-122.02
4800	-90.36	-10.79	-59.73	-43.54	-65.66	-63.30	-172.50	53.98	-226.48	-110	-116.48
4812.5	-90.75	-10.79	-59.54	-44.07	-67.20	-63.49	-174.75	53.98	-228.73	-110	-118.73
4825	-91.15	-10.79	-60.34	-43.71	-67.00	-65.32	-176.03	53.98	-230.01	-110	-120.01
4837.5	-91.26	-10.79	-59.97	-44.18	-65.92	-58.63	-168.73	53.98	-222.71	-110	-112.71
4850	-91.34	-10.79	-58.87	-45.35	-65.70	-39.96	-151.00	53.98	-204.98	-110	-94.98
4862.5	-91.69	-10.79	-59.05	-45.55	-66.67	-38.21	-150.43	53.98	-204.41	-110	-94.41
4875	-92.02	-10.79	-58.95	-45.98	-66.78	-56.62	-169.39	53.98	-223.37	-110	-113.37
4887.5	-92.26	-10.79	-59.14	-46.02	-64.45	-49.40	-159.87	53.98	-213.85	-110	-103.85
4900	-92.52	-10.79	-58.24	-47.20	-65.10	-51.73	-164.03	53.98	-218.01	-110	-108.01
4912.5	-92.44	-10.79	-57.81	-47.57	-64.77	-54.02	-166.37	53.98	-220.35	-110	-110.35
4925	-92.31	-10.79	-58.44	-46.78	-63.51	-36.05	-146.35	53.98	-200.33	-110	-90.33
4937.5	-92.56	-10.79	-58.08	-47.38	-62.24	-32.55	-142.16	53.98	-196.14	-110	-86.14
4950	-92.58	-10.79	-58.04	-47.35	-61.02	-43.12	-151.49	53.98	-205.46	-110	-95.46
4962.5	-92.31	-10.79	-57.08	-48.18	-59.78	-46.46	-154.42	53.98	-208.40	-110	-98.40
4975	-92.34	-10.79	-56.95	-48.27	-57.78	-56.80	-162.85	53.98	-216.83	-110	-106.83
4987.5	-92.28	-10.79	-57.05	-48.17	-54.63	-57.87	-160.66	53.98	-214.64	-110	-104.64
5000	-92.41	-10.79	-56.91	-48.45	-53.09	-35.36	-136.90	53.98	-190.88	-110	-80.88
5012.5	-92.49	-10.79	-56.82	-48.62	-44.46	-44.96	-138.04	53.98	-192.02	-110	-82.02
5025	-92.38	-10.79	-56.12	-49.21	-37.49	-25.13	-111.82	53.98	-165.80	-110	-55.80
5037.5	-92.14	-10.79	-55.95	-49.08	-8.79	-28.86	-86.73	53.98	-140.70	-110	-30.70
5050	-92.05	-10.79	-56.14	-48.89	-5.92	-57.08	-111.89	53.98	-165.87	-110	-55.87
5062.5	-91.68	-10.79	-56.10	-48.51	-34.37	-39.38	-122.26	53.98	-176.24	-110	-66.24
5075	-91.86	-10.79	-55.50	-49.32	-52.08	-48.33	-149.73	53.98	-203.71	-110	-93.71
5087.5	-91.25	-10.79	-54.95	-49.21	-54.38	-54.00	-157.60	53.98	-211.58	-110	-101.58
5100	-91.17	-10.79	-55.42	-48.57	-58.51	-44.92	-152.00	53.98	-205.98	-110	-95.98
5112.5	-90.73	-10.79	-55.43	-48.31	-63.00	-53.94	-165.24	53.98	-219.22	-110	-109.22
5125	-90.83	-10.79	-55.30	-48.49	-67.78	-43.91	-160.19	53.98	-214.16	-110	-104.16
5137.5	-90.61	-10.79	-54.59	-48.96	-72.40	-49.13	-170.48	53.98	-224.46	-110	-114.46
5150	-90.52	-10.79	-54.72	-48.77	-73.17	-36.70	-158.64	53.98	-212.62	-110	-102.62
5162.5	-90.26	-10.79	-55.40	-47.86	-77.23	-24.26	-149.35	53.98	-203.33	-110	-93.33
5175	-90.18	-10.79	-55.25	-47.93	-75.06	-40.83	-163.83	53.98	-217.81	-110	-107.81
5187.5	-90.19	-10.79	-54.77	-48.34	-77.03	-29.97	-155.34	53.98	-209.32	-110	-99.32
5200	-90.74	-10.79	-54.72	-49.01	-76.89	-21.75	-147.66	53.98	-201.64	-110	-91.64
5212.5	-91.22	-10.79	-55.12	-49.09	-76.61	-20.37	-146.07	53.98	-200.05	-110	-90.05
5225	-91.13	-10.79	-55.92	-48.30	-76.63	-24.86	-149.80	53.98	-203.78	-110	-93.78
5237.5	-91.68	-10.79	-55.88	-48.75	-76.88	-16.91	-142.54	53.98	-196.52	-110	-86.52
5250	-91.87	-10.79	-55.79	-49.01	-77.41	-14.88	-141.30	53.98	-195.28	-110	-85.28

5262.5	-92.16	-10.79	-56.85	-48.37	-77.17	-32.81	-158.36	53.98	-212.34	-110	-102.34
5275	-92.34	-10.79	-57.76	-47.62	-76.89	-24.96	-149.47	53.98	-203.45	-110	-93.45
5287.5	-92.68	-10.79	-59.57	-46.05	-76.61	-18.73	-141.38	53.98	-195.36	-110	-85.36
5300	-92.61	-10.79	-60.61	-44.98	-77.05	-22.96	-144.99	53.98	-198.97	-110	-88.97
5312.5	-93.41	-10.79	-61.17	-45.24	-77.01	-21.49	-143.74	53.98	-197.72	-110	-87.72
5325	-93.29	-10.79	-63.87	-42.43	-76.66	-43.66	-162.75	53.98	-216.73	-110	-106.73
5337.5	-93.33	-10.79	-66.10	-40.15	-76.93	-31.32	-148.41	53.98	-202.39	-110	-92.39
5350	-93.46	-10.79	-69.77	-36.65	-76.91	-35.34	-148.91	53.98	-202.89	-110	-92.89
5362.5	-93.44	-10.79	-69.12	-37.45	-76.89	-47.95	-162.29	53.98	-216.27	-110	-106.27
5375	-93.43	-10.79	-68.09	-38.32	-77.22	-37.22	-152.76	53.98	-206.74	-110	-96.74
5387.5	-93.33	-10.79	-65.34	-41.01	-77.16	-40.02	-158.19	53.98	-212.17	-110	-102.17
5400	-93.50	-10.79	-62.49	-43.98	-76.53	-24.55	-145.05	53.98	-199.03	-110	-89.03
5412.5	-93.23	-10.79	-60.64	-45.58	-76.72	-39.24	-161.55	53.98	-215.53	-110	-105.53
5425	-93.02	-10.79	-59.89	-46.19	-76.19	-22.72	-145.10	53.98	-199.08	-110	-89.08
5437.5	-92.84	-10.79	-59.64	-46.24	-77.01	-15.91	-139.15	53.98	-193.13	-110	-83.13
5450	-92.59	-10.79	-59.49	-46.17	-76.33	-41.38	-163.88	53.98	-217.86	-110	-107.86
5462.5	-92.16	-10.79	-59.21	-46.02	-76.46	-38.08	-160.56	53.98	-214.53	-110	-104.53
5475	-91.41	-10.79	-58.92	-45.54	-76.33	-37.77	-159.64	53.98	-213.62	-110	-103.62
5487.5	-91.20	-10.79	-58.68	-45.58	-76.39	-25.80	-147.78	53.98	-201.76	-110	-91.76
5500	-90.52	-10.79	-59.01	-44.49	-76.77	-35.17	-156.43	53.98	-210.41	-110	-100.41
5512.5	-90.25	-10.79	-60.35	-42.98	-76.70	-49.14	-168.82	53.98	-222.80	-110	-112.80
5525	-90.34	-10.79	-60.41	-42.98	-76.47	-28.07	-147.51	53.98	-201.49	-110	-91.49
5537.5	-90.78	-10.79	-60.57	-43.32	-76.71	-45.94	-165.97	53.98	-219.95	-110	-109.95
5550	-90.54	-10.79	-61.42	-42.16	-76.26	-32.11	-150.53	53.98	-204.51	-110	-94.51
5562.5	-90.32	-10.79	-62.12	-41.19	-76.18	-19.14	-136.51	53.98	-190.49	-110	-80.49
5575	-90.56	-10.79	-63.45	-40.30	-75.85	-24.12	-140.28	53.98	-194.26	-110	-84.26
5587.5	-90.05	-10.79	-64.12	-39.08	-76.65	-25.13	-140.86	53.98	-194.84	-110	-84.84
5600	-90.72	-10.79	-66.37	-37.39	-76.41	-30.54	-144.34	53.98	-198.32	-110	-88.32
5612.5	-90.66	-10.79	-68.70	-35.01	-75.68	-23.68	-134.37	53.98	-188.35	-110	-78.35
5625	-90.74	-10.79	-69.74	-34.23	-76.01	-24.59	-134.83	53.98	-188.80	-110	-78.80
5637.5	-91.57	-10.79	-72.35	-32.39	-76.28	-28.08	-136.75	53.98	-190.73	-110	-80.73
5650	-91.86	-10.79	-74.07	-30.76	-76.48	-21.72	-128.96	53.98	-182.94	-110	-72.94
5662.5	-91.87	-10.79	-74.40	-30.48	-76.25	-31.79	-138.51	53.98	-192.49	-110	-82.49
5675	-91.76	-10.79	-71.34	-33.57	-76.74	-17.32	-127.63	53.98	-181.61	-110	-71.61
5687.5	-92.58	-10.79	-68.80	-36.97	-76.03	-33.98	-146.98	53.98	-200.96	-110	-90.96
5700	-92.61	-10.79	-65.35	-40.35	-75.91	-25.62	-141.89	53.98	-195.86	-110	-85.86
5712.5	-92.60	-10.79	-61.84	-43.90	-76.17	-48.92	-168.99	53.98	-222.97	-110	-112.97
5725	-93.06	-10.79	-60.61	-45.64	-75.89	-31.13	-152.67	53.98	-206.65	-110	-96.65
5737.5	-92.80	-10.79	-58.67	-47.32	-75.80	-46.23	-169.35	53.98	-223.33	-110	-113.33
5750	-92.77	-10.79	-57.48	-48.35	-76.43	-35.16	-159.93	53.98	-213.91	-110	-103.91

5762.5	-93.05	-10.79	-55.41	-50.73	-76.05	-23.30	-150.07	53.98	-204.05	-110	-94.05
5775	-92.75	-10.79	-54.69	-51.15	-76.16	-22.71	-150.02	53.98	-204.00	-110	-94.00
5787.5	-93.04	-10.79	-53.33	-52.85	-76.34	-33.44	-162.63	53.98	-216.60	-110	-106.60
5800	-93.00	-10.79	-52.12	-54.05	-76.18	-31.50	-161.73	53.98	-215.71	-110	-105.71
5812.5	-93.05	-10.79	-51.62	-54.62	-76.14	-35.33	-166.09	53.98	-220.07	-110	-110.07
5825	-92.85	-10.79	-51.03	-55.25	-76.54	-36.69	-168.49	53.98	-222.47	-110	-112.47
5837.5	-92.62	-10.79	-50.30	-55.24	-76.00	-26.05	-157.29	53.98	-211.27	-110	-101.27
5850	-92.40	-10.79	-51.04	-54.57	-75.51	-46.65	-176.72	53.98	-230.70	-110	-120.70
5862.5	-92.29	-10.79	-50.61	-54.85	-76.14	-32.59	-163.58	53.98	-217.56	-110	-107.56
5875	-92.13	-10.79	-50.90	-54.39	-76.56	-44.76	-175.71	53.98	-229.69	-110	-119.69
5887.5	-91.50	-10.79	-51.41	-53.29	-76.36	-36.95	-166.60	53.98	-220.58	-110	-110.58
5900	-91.31	-10.79	-52.53	-52.21	-76.26	-36.17	-164.63	53.98	-218.61	-110	-108.61
5912.5	-91.60	-10.79	-54.07	-50.84	-76.23	-40.31	-167.38	53.98	-221.36	-110	-111.36
5925	-90.72	-10.79	-54.15	-49.77	-75.71	-20.40	-145.88	53.98	-199.86	-110	-89.86
5937.5	-89.72	-10.79	-54.43	-48.47	-76.14	-23.68	-148.28	53.98	-202.26	-110	-92.26
5950	-90.36	-10.79	-56.51	-46.95	-75.86	-20.28	-143.09	53.98	-197.07	-110	-87.07
5962.5	-89.46	-10.79	-58.87	-43.84	-76.14	-28.85	-148.83	53.98	-202.81	-110	-92.81
5975	-89.29	-10.79	-59.10	-43.57	-74.95	-19.44	-137.96	53.98	-191.94	-110	-81.94
5987.5	-89.87	-10.79	-56.15	-46.90	-75.95	-18.92	-141.77	53.98	-195.75	-110	-85.75
6000	-89.39	-10.79	-64.78	-37.67	-79.68	-79.01	-196.37	53.98	-250.35	-110	-140.35

Table 1
542– 560 MHz _ ATSC 3.0

Freq	1	2	3	4	5	6	7	8	9	Limit	Margin
MHz	dBm	dB	dB	dBm	dB	dB	dB	dBm	dBm	dBc	dB
542	-61.49	-10.79	-50.82	-22.31	-0.09	-65.39	-87.79	53.22	-141.02	-110.40	-30.62
542.045	-61.87	-10.79	-50.87	-22.64	-0.08	-65.72	-88.44	53.22	-141.66	-109.88	-31.78
542.09	-62.53	-10.79	-50.92	-23.28	-0.08	-65.34	-88.70	53.22	-141.92	-109.37	-32.55
542.135	-62.26	-10.79	-50.95	-22.99	-0.07	-65.32	-88.37	53.22	-141.59	-108.85	-32.74
542.18	-62.10	-10.79	-50.94	-22.84	-0.08	-65.36	-88.29	53.22	-141.51	-108.33	-33.18
542.225	-61.92	-10.79	-50.91	-22.69	-0.07	-65.58	-88.34	53.22	-141.56	-107.81	-33.75
542.27	-61.93	-10.79	-50.92	-22.69	-0.08	-65.66	-88.42	53.22	-141.65	-107.30	-34.35
542.315	-62.01	-10.79	-50.89	-22.79	-0.09	-65.56	-88.44	53.22	-141.67	-106.78	-34.89
542.36	-62.50	-10.79	-50.94	-23.24	-0.07	-65.64	-88.95	53.22	-142.18	-106.26	-35.92
542.405	-62.24	-10.79	-50.88	-23.03	-0.08	-65.83	-88.95	53.22	-142.17	-105.74	-36.43
542.45	-62.19	-10.79	-50.87	-22.99	-0.08	-65.68	-88.74	53.22	-141.96	-105.22	-36.73
542.495	-61.33	-10.79	-50.94	-22.05	-0.08	-65.68	-87.81	53.22	-141.04	-104.71	-36.33
542.54	-60.49	-10.79	-50.91	-21.23	-0.08	-65.66	-86.97	53.22	-140.19	-104.19	-36.00
542.585	-60.66	-10.79	-50.93	-21.40	-0.08	-65.75	-87.24	53.22	-140.46	-103.67	-36.79
542.63	-61.86	-10.79	-50.91	-22.62	-0.09	-65.67	-88.38	53.22	-141.61	-103.16	-38.45
542.675	-61.93	-10.79	-50.84	-22.77	-0.08	-65.48	-88.34	53.22	-141.56	-102.64	-38.92
542.72	-61.59	-10.79	-50.88	-22.37	-0.08	-65.94	-88.39	53.22	-141.61	-102.12	-39.49
542.765	-61.26	-10.79	-50.89	-22.04	-0.07	-65.95	-88.06	53.22	-141.28	-101.60	-39.68
542.81	-60.81	-10.79	-50.93	-21.55	-0.08	-66.12	-87.74	53.22	-140.97	-101.09	-39.88
542.855	-60.67	-10.79	-50.92	-21.40	-0.09	-66.08	-87.57	53.22	-140.79	-100.57	-40.22
542.9	-60.55	-10.79	-50.92	-21.31	-0.08	-66.07	-87.47	53.22	-140.69	-100.05	-40.64
542.945	-60.44	-10.79	-50.91	-21.20	-0.08	-66.50	-87.77	53.22	-141.00	-99.53	-41.46
542.99	-60.29	-10.79	-50.94	-21.04	-0.08	-66.52	-87.63	53.22	-140.85	-99.01	-41.84
543.035	-60.42	-10.79	-50.88	-21.22	-0.09	-66.66	-87.98	53.22	-141.20	-98.50	-42.70
543.08	-60.43	-10.79	-50.89	-21.21	-0.09	-67.07	-88.36	53.22	-141.59	-97.98	-43.61
543.125	-60.12	-10.79	-50.94	-20.86	-0.08	-67.35	-88.29	53.22	-141.51	-97.46	-44.05
543.17	-59.99	-10.79	-50.92	-20.75	-0.09	-67.59	-88.43	53.22	-141.65	-96.95	-44.70
543.215	-60.72	-10.79	-50.88	-21.52	-0.08	-67.84	-89.43	53.22	-142.65	-96.43	-46.22
543.26	-60.75	-10.79	-50.93	-21.50	-0.07	-68.42	-89.99	53.22	-143.21	-95.91	-47.30
543.305	-60.73	-10.79	-50.95	-21.47	-0.09	-68.52	-90.08	53.22	-143.30	-95.39	-47.91
543.35	-60.71	-10.79	-50.91	-21.48	-0.09	-68.96	-90.53	53.22	-143.75	-94.87	-48.88
543.395	-60.56	-10.79	-50.86	-21.37	-0.06	-69.40	-90.83	53.22	-144.05	-94.36	-49.70
543.44	-60.50	-10.79	-50.87	-21.30	-0.09	-70.38	-91.76	53.22	-144.99	-93.84	-51.15
543.485	-60.87	-10.79	-50.91	-21.63	-0.08	-70.73	-92.43	53.22	-145.66	-93.32	-52.33
543.53	-60.90	-10.79	-50.92	-21.65	-0.07	-71.42	-93.15	53.22	-146.37	-92.81	-53.57
543.575	-60.50	-10.79	-50.83	-21.35	-0.08	-72.49	-93.92	53.22	-147.14	-92.29	-54.85

543.62	-59.51	-10.79	-50.83	-20.35	-0.09	-73.03	-93.47	53.22	-146.70	-91.77	-54.93
543.665	-59.63	-10.79	-50.94	-20.37	-0.08	-74.47	-94.92	53.22	-148.14	-91.25	-56.89
543.71	-59.74	-10.79	-50.91	-20.50	-0.08	-76.19	-96.76	53.22	-149.98	-90.73	-59.25
543.755	-59.80	-10.79	-50.92	-20.55	-0.07	-79.19	-99.81	53.22	-153.03	-90.22	-62.81
543.8	-59.48	-10.79	-50.94	-20.22	-0.08	-78.95	-99.25	53.22	-152.47	-89.70	-62.77
543.845	-59.46	-10.79	-50.94	-20.19	-0.07	-77.17	-97.43	53.22	-150.66	-89.18	-61.47
543.89	-59.54	-10.79	-50.90	-20.31	-0.08	-74.55	-94.93	53.22	-148.15	-88.67	-59.49
543.935	-59.17	-10.79	-50.91	-19.93	-0.08	-73.11	-93.12	53.22	-146.34	-88.15	-58.19
543.98	-58.59	-10.79	-50.89	-19.36	-0.09	-71.52	-90.97	53.22	-144.19	-87.63	-56.56
544.025	-58.30	-10.79	-50.90	-19.06	-0.09	-69.29	-88.44	53.22	-141.66	-87.11	-54.54
544.07	-58.25	-10.79	-50.92	-18.99	-0.07	-68.03	-87.09	53.22	-140.32	-86.59	-53.72
544.115	-58.28	-10.79	-50.88	-19.08	-0.07	-66.58	-85.73	53.22	-138.95	-86.08	-52.87
544.16	-58.87	-10.79	-50.93	-19.62	-0.09	-65.06	-84.77	53.22	-137.99	-85.56	-52.43
544.205	-58.43	-10.79	-50.92	-19.19	-0.11	-63.83	-83.12	53.22	-136.34	-85.04	-51.30
544.25	-58.60	-10.79	-50.90	-19.37	-0.08	-62.82	-82.27	53.22	-135.49	-84.53	-50.97
544.295	-58.65	-10.79	-50.92	-19.41	-0.07	-61.81	-81.29	53.22	-134.51	-84.01	-50.50
544.34	-58.72	-10.79	-50.87	-19.49	-0.10	-60.80	-80.38	53.22	-133.61	-83.49	-50.12
544.385	-58.59	-10.79	-50.89	-19.36	-0.08	-59.59	-79.04	53.22	-132.26	-82.97	-49.29
544.43	-58.46	-10.79	-50.90	-19.23	-0.10	-58.80	-78.13	53.22	-131.36	-82.46	-48.90
544.475	-58.87	-10.79	-50.86	-19.68	-0.09	-57.80	-77.57	53.22	-130.79	-81.94	-48.85
544.52	-58.59	-10.79	-50.93	-19.34	-0.08	-56.95	-76.37	53.22	-129.59	-81.42	-48.17
544.565	-58.54	-10.79	-50.86	-19.35	-0.09	-56.01	-75.45	53.22	-128.67	-80.90	-47.76
544.61	-58.49	-10.79	-50.91	-19.26	-0.09	-55.16	-74.50	53.22	-127.73	-80.38	-47.34
544.655	-58.19	-10.79	-50.90	-18.95	-0.08	-54.38	-73.42	53.22	-126.64	-79.87	-46.77
544.7	-58.52	-10.79	-50.91	-19.28	-0.10	-53.64	-73.02	53.22	-126.24	-79.35	-46.89
544.745	-57.95	-10.79	-50.85	-18.77	-0.08	-52.89	-71.74	53.22	-124.96	-78.83	-46.13
544.79	-57.81	-10.79	-50.90	-18.58	-0.09	-52.14	-70.80	53.22	-124.03	-78.32	-45.71
544.835	-57.89	-10.79	-50.91	-18.65	-0.08	-51.30	-70.03	53.22	-123.26	-77.80	-45.46
544.88	-57.38	-10.79	-50.91	-18.14	-0.09	-50.55	-68.78	53.22	-122.01	-77.28	-44.73
544.925	-56.88	-10.79	-50.91	-17.65	-0.09	-49.84	-67.58	53.22	-120.80	-76.76	-44.04
544.97	-57.31	-10.79	-50.88	-18.11	-0.09	-49.08	-67.28	53.22	-120.51	-76.24	-44.26
545.015	-58.31	-10.79	-50.94	-19.05	-0.08	-48.38	-67.51	53.22	-120.73	-75.73	-45.00
545.06	-58.79	-10.79	-50.87	-19.60	-0.08	-47.73	-67.41	53.22	-120.63	-75.21	-45.42
545.105	-58.73	-10.79	-50.92	-19.48	-0.08	-47.05	-66.60	53.22	-119.83	-74.69	-45.13
545.15	-57.94	-10.79	-50.94	-18.69	-0.10	-46.38	-65.17	53.22	-118.40	-74.18	-44.22
545.195	-57.34	-10.79	-50.95	-18.08	-0.09	-45.68	-63.84	53.22	-117.06	-73.66	-43.40
545.24	-57.74	-10.79	-50.92	-18.49	-0.09	-44.95	-63.53	53.22	-116.75	-73.14	-43.61
545.285	-58.28	-10.79	-50.93	-19.06	-0.09	-44.29	-63.44	53.22	-116.66	-72.62	-44.04
545.33	-57.97	-10.79	-50.88	-18.76	-0.07	-43.63	-62.47	53.22	-115.69	-72.10	-43.58
545.375	-57.43	-10.79	-50.95	-18.17	-0.08	-42.85	-61.10	53.22	-114.32	-71.59	-42.73

545.42	-57.17	-10.79	-50.93	-17.92	-0.09	-42.27	-60.28	53.22	-113.50	-71.07	-42.43
545.465	-57.44	-10.79	-50.95	-18.18	-0.08	-41.60	-59.85	53.22	-113.08	-70.55	-42.52
545.51	-57.91	-10.79	-50.94	-18.64	-0.08	-40.91	-59.63	53.22	-112.85	-70.04	-42.82
545.555	-57.86	-10.79	-50.89	-18.64	-0.10	-40.27	-59.01	53.22	-112.23	-69.52	-42.71
545.6	-57.44	-10.79	-50.91	-18.20	-0.09	-39.59	-57.89	53.22	-111.11	-69.00	-42.11
545.645	-57.65	-10.79	-50.92	-18.40	-0.08	-38.93	-57.42	53.22	-110.64	-68.48	-42.16
545.69	-57.55	-10.79	-50.92	-18.33	-0.09	-38.30	-56.71	53.22	-109.93	-67.96	-41.97
545.735	-57.27	-10.79	-50.93	-18.03	-0.07	-37.63	-55.74	53.22	-108.97	-67.45	-41.52
545.78	-56.90	-10.79	-50.89	-17.69	-0.09	-36.96	-54.73	53.22	-107.96	-66.93	-41.03
545.825	-56.29	-10.79	-50.93	-17.05	-0.09	-36.31	-53.46	53.22	-106.68	-66.41	-40.27
545.87	-56.26	-10.79	-50.89	-17.04	-0.10	-35.66	-52.80	53.22	-106.02	-65.89	-40.13
545.915	-56.67	-10.79	-50.90	-17.45	-0.09	-34.99	-52.53	53.22	-105.75	-65.38	-40.37
545.96	-57.08	-10.79	-50.89	-17.88	-0.10	-34.34	-52.32	53.22	-105.54	-64.86	-40.68
546.005	-56.62	-10.79	-50.92	-17.38	-0.10	-33.65	-51.13	53.22	-104.35	-64.34	-40.01
546.05	-56.22	-10.79	-50.98	-16.94	-0.09	-33.01	-50.03	53.22	-103.25	-63.83	-39.43
546.095	-56.79	-10.79	-50.92	-17.56	-0.10	-32.34	-50.00	53.22	-103.22	-63.31	-39.91
546.14	-56.84	-10.79	-50.94	-17.60	-0.09	-31.69	-49.38	53.22	-102.61	-62.79	-39.82
546.185	-56.97	-10.79	-50.82	-17.83	-0.09	-31.01	-48.92	53.22	-102.15	-62.27	-39.87
546.23	-57.05	-10.79	-50.97	-17.77	-0.08	-30.31	-48.16	53.22	-101.38	-61.75	-39.63
546.275	-56.58	-10.79	-50.89	-17.37	-0.10	-29.67	-47.14	53.22	-100.36	-61.24	-39.12
546.32	-56.20	-10.79	-50.91	-16.97	-0.09	-28.98	-46.04	53.22	-99.27	-60.72	-38.55
546.365	-56.18	-10.79	-50.85	-17.01	-0.10	-28.31	-45.42	53.22	-98.64	-60.20	-38.44
546.41	-56.07	-10.79	-50.89	-16.86	-0.10	-27.64	-44.60	53.22	-97.82	-59.69	-38.14
546.455	-56.00	-10.79	-50.89	-16.79	-0.10	-26.98	-43.87	53.22	-97.09	-59.17	-37.92
546.5	-56.04	-10.79	-50.87	-16.85	-0.10	-26.28	-43.24	53.22	-96.46	-58.65	-37.81
546.545	-56.15	-10.79	-50.90	-16.94	-0.09	-25.62	-42.64	53.22	-95.87	-58.13	-37.73
546.59	-56.18	-10.79	-50.92	-16.94	-0.09	-24.95	-41.97	53.22	-95.20	-57.61	-37.58
546.635	-56.84	-10.79	-50.92	-17.61	-0.09	-24.29	-41.99	53.22	-95.21	-57.10	-38.12
546.68	-56.58	-10.79	-50.93	-17.34	-0.10	-23.60	-41.04	53.22	-94.26	-56.58	-37.68
546.725	-56.38	-10.79	-50.89	-17.16	-0.11	-22.93	-40.20	53.22	-93.42	-56.06	-37.36
546.77	-56.14	-10.79	-50.89	-16.93	-0.09	-22.23	-39.25	53.22	-92.47	-55.55	-36.93
546.815	-56.62	-10.79	-50.89	-17.42	-0.07	-21.63	-39.11	53.22	-92.34	-55.03	-37.31
546.86	-57.09	-10.79	-50.91	-17.87	-0.10	-20.99	-38.96	53.22	-92.19	-54.51	-37.68
546.905	-56.75	-10.79	-50.96	-17.48	-0.09	-20.34	-37.91	53.22	-91.13	-53.99	-37.14
546.95	-56.95	-10.79	-50.90	-17.75	-0.09	-19.72	-37.56	53.22	-90.78	-53.47	-37.31
546.995	-56.03	-10.79	-50.92	-16.79	-0.09	-19.11	-36.00	53.22	-89.22	-52.96	-36.26
547.04	-55.05	-10.79	-50.90	-15.84	-0.10	-18.56	-34.51	53.22	-87.73	-52.44	-35.29
547.085	-54.89	-10.79	-50.90	-15.66	-0.10	-18.02	-33.77	53.22	-87.00	-51.92	-35.07
547.13	-55.11	-10.79	-50.92	-15.87	-0.10	-17.54	-33.50	53.22	-86.73	-51.41	-35.32
547.175	-55.76	-10.79	-50.90	-16.54	-0.10	-17.07	-33.71	53.22	-86.93	-50.89	-36.04

547.22	-55.62	-10.79	-50.92	-16.40	-0.10	-16.73	-33.23	53.22	-86.45	-50.37	-36.08
547.265	-55.38	-10.79	-50.89	-16.17	-0.10	-16.46	-32.73	53.22	-85.96	-49.85	-36.10
547.31	-55.20	-10.79	-50.95	-15.94	-0.09	-16.33	-32.36	53.22	-85.59	-49.34	-36.25
547.355	-55.81	-10.79	-50.94	-16.57	-0.10	-16.34	-33.01	53.22	-86.23	-48.82	-37.41
547.4	-56.08	-10.79	-50.87	-16.89	-0.11	-16.47	-33.47	53.22	-86.69	-48.30	-38.39
547.445	-56.26	-10.79	-50.92	-17.03	-0.09	-16.87	-33.98	53.22	-87.21	-47.78	-39.42
547.49	-56.13	-10.79	-50.92	-16.90	-0.11	-17.71	-34.72	53.22	-87.94	-47.26	-40.67
547.535	-56.26	-10.79	-50.92	-17.01	-0.10	-18.45	-35.56	53.22	-88.78	-47.00	-41.78
547.58	-55.86	-10.79	-50.94	-16.61	-0.11	-13.58	-30.30	53.22	-83.52	-47.00	-36.52
547.625	-54.82	-10.79	-50.94	-15.57	-0.11	-9.77	-25.44	53.22	-78.67	-47.00	-31.67
547.67	-54.83	-10.79	-50.90	-15.62	-0.09	-6.88	-22.59	53.22	-75.81	-47.00	-28.81
547.715	-55.46	-10.79	-50.93	-16.24	-0.11	-4.79	-21.14	53.22	-74.36	-47.00	-27.36
547.76	-56.25	-10.79	-50.94	-17.00	-0.10	-3.54	-20.65	53.22	-73.87	-47.00	-26.87
547.805	-56.38	-10.79	-50.95	-17.13	-0.11	-2.81	-20.05	53.22	-73.27	-47.00	-26.27
547.85	-55.77	-10.79	-50.97	-16.50	-0.10	-2.31	-18.91	53.22	-72.13	-47.00	-25.13
547.895	-49.97	-10.79	-50.91	-10.75	-0.10	-2.03	-12.88	53.22	-66.11	-47.00	-19.11
547.94	-39.91	-10.79	-50.87	-0.73	-0.11	-1.81	-2.65	53.22	-55.87	-47.00	-8.87
547.985	-31.72	-10.79	-50.88	7.46	-0.11	-1.65	5.70	53.22	-47.52	-47.00	-0.52
548	In - Band Exclusion (548 - 554 MHz)										
554											
554.015	-32.10	-10.79	-50.93	7.14	-0.11	-1.56	5.47	53.22	-47.75	-47.00	-0.75
554.06	-38.67	-10.79	-50.92	0.56	-0.12	-1.70	-1.25	53.22	-54.47	-47.00	-7.47
554.105	-48.97	-10.79	-50.96	-9.71	-0.12	-1.87	-11.69	53.22	-64.92	-47.00	-17.92
554.15	-54.91	-10.79	-50.93	-15.68	-0.11	-2.10	-17.90	53.22	-71.12	-47.00	-24.12
554.195	-55.99	-10.79	-50.94	-16.75	-0.13	-2.45	-19.32	53.22	-72.54	-47.00	-25.54
554.24	-55.93	-10.79	-50.90	-16.73	-0.12	-3.03	-19.88	53.22	-73.11	-47.00	-26.11
554.285	-55.23	-10.79	-50.90	-16.02	-0.12	-3.96	-20.10	53.22	-73.32	-47.00	-26.32
554.33	-54.93	-10.79	-50.91	-15.71	-0.12	-5.52	-21.34	53.22	-74.57	-47.00	-27.57
554.375	-55.40	-10.79	-50.93	-16.16	-0.13	-7.96	-24.25	53.22	-77.47	-47.00	-30.47
554.42	-54.90	-10.79	-50.93	-15.67	-0.11	-11.51	-27.29	53.22	-80.51	-47.00	-33.51
554.465	-54.44	-10.79	-50.96	-15.17	-0.12	-16.17	-31.45	53.22	-84.67	-47.00	-37.67
554.51	-54.97	-10.79	-50.93	-15.73	-0.13	-18.90	-34.76	53.22	-87.99	-47.26	-40.72
554.555	-55.55	-10.79	-50.93	-16.30	-0.12	-17.86	-34.28	53.22	-87.51	-47.78	-39.72
554.6	-55.93	-10.79	-50.94	-16.68	-0.12	-17.36	-34.16	53.22	-87.38	-48.30	-39.08
554.645	-56.06	-10.79	-50.90	-16.85	-0.11	-17.24	-34.21	53.22	-87.43	-48.82	-38.61
554.69	-55.53	-10.79	-50.95	-16.29	-0.11	-17.25	-33.64	53.22	-86.87	-49.34	-37.53
554.735	-56.05	-10.79	-50.92	-16.82	-0.12	-17.39	-34.33	53.22	-87.56	-49.85	-37.70
554.78	-56.23	-10.79	-50.97	-16.96	-0.12	-17.69	-34.77	53.22	-88.00	-50.37	-37.63
554.825	-56.11	-10.79	-50.94	-16.86	-0.12	-18.10	-35.08	53.22	-88.30	-50.89	-37.42
554.87	-55.73	-10.79	-50.95	-16.46	-0.12	-18.59	-35.16	53.22	-88.39	-51.41	-36.98

554.915	-56.53	-10.79	-50.92	-17.31	-0.12	-19.15	-36.58	53.22	-89.81	-51.92	-37.88
554.96	-56.35	-10.79	-50.89	-17.16	-0.12	-19.74	-37.01	53.22	-90.23	-52.44	-37.79
555.005	-56.04	-10.79	-50.92	-16.81	-0.11	-20.37	-37.29	53.22	-90.52	-52.96	-37.56
555.05	-56.33	-10.79	-50.94	-17.08	-0.11	-21.03	-38.22	53.22	-91.44	-53.47	-37.97
555.095	-56.44	-10.79	-50.94	-17.18	-0.12	-21.69	-39.00	53.22	-92.22	-53.99	-38.23
555.14	-56.29	-10.79	-50.89	-17.09	-0.12	-22.39	-39.60	53.22	-92.82	-54.51	-38.31
555.185	-55.82	-10.79	-50.93	-16.56	-0.12	-23.08	-39.75	53.22	-92.97	-55.03	-37.95
555.23	-55.91	-10.79	-50.92	-16.68	-0.13	-23.79	-40.59	53.22	-93.82	-55.55	-38.27
555.275	-56.19	-10.79	-50.94	-16.95	-0.12	-24.51	-41.59	53.22	-94.81	-56.06	-38.74
555.32	-56.58	-10.79	-50.91	-17.34	-0.13	-25.20	-42.67	53.22	-95.89	-56.58	-39.31
555.365	-57.15	-10.79	-50.93	-17.91	-0.11	-25.90	-43.92	53.22	-97.15	-57.10	-40.05
555.41	-57.40	-10.79	-50.91	-18.17	-0.12	-26.62	-44.91	53.22	-98.13	-57.61	-40.51
555.455	-57.87	-10.79	-50.88	-18.68	-0.11	-27.31	-46.11	53.22	-99.33	-58.13	-41.20
555.5	-57.83	-10.79	-50.92	-18.59	-0.11	-28.03	-46.74	53.22	-99.96	-58.65	-41.31
555.545	-57.16	-10.79	-50.90	-17.95	-0.11	-28.73	-46.79	53.22	-100.01	-59.17	-40.84
555.59	-56.36	-10.79	-50.92	-17.15	-0.12	-29.44	-46.70	53.22	-99.92	-59.69	-40.24
555.635	-56.51	-10.79	-50.94	-17.26	-0.12	-30.12	-47.49	53.22	-100.71	-60.20	-40.51
555.68	-57.22	-10.79	-50.93	-17.96	-0.12	-30.84	-48.92	53.22	-102.14	-60.72	-41.42
555.725	-57.60	-10.79	-50.96	-18.33	-0.11	-31.53	-49.97	53.22	-103.20	-61.24	-41.96
555.77	-58.14	-10.79	-50.97	-18.86	-0.11	-32.21	-51.19	53.22	-104.41	-61.75	-42.65
555.815	-56.97	-10.79	-50.95	-17.71	-0.13	-32.91	-50.76	53.22	-103.98	-62.27	-41.71
555.86	-56.80	-10.79	-50.95	-17.54	-0.11	-33.61	-51.26	53.22	-104.49	-62.79	-41.70
555.905	-56.74	-10.79	-50.96	-17.48	-0.11	-34.31	-51.90	53.22	-105.12	-63.31	-41.81
555.95	-56.74	-10.79	-50.94	-17.49	-0.11	-35.01	-52.61	53.22	-105.83	-63.83	-42.01
555.995	-57.13	-10.79	-50.91	-17.91	-0.11	-35.67	-53.70	53.22	-106.92	-64.34	-42.58
556.04	-57.59	-10.79	-50.92	-18.36	-0.11	-36.34	-54.81	53.22	-108.03	-64.86	-43.17
556.085	-56.89	-10.79	-50.94	-17.65	-0.12	-37.06	-54.83	53.22	-108.05	-65.38	-42.67
556.13	-56.64	-10.79	-50.93	-17.40	-0.12	-37.73	-55.25	53.22	-108.47	-65.89	-42.58
556.175	-56.80	-10.79	-50.89	-17.61	-0.11	-38.43	-56.15	53.22	-109.37	-66.41	-42.96
556.22	-57.44	-10.79	-50.95	-18.20	-0.10	-39.10	-57.40	53.22	-110.62	-66.93	-43.69
556.265	-57.26	-10.79	-50.90	-18.05	-0.11	-39.78	-57.94	53.22	-111.16	-67.45	-43.72
556.31	-57.01	-10.79	-50.88	-17.82	-0.11	-40.46	-58.40	53.22	-111.62	-67.96	-43.65
556.355	-56.37	-10.79	-50.94	-17.12	-0.11	-41.13	-58.36	53.22	-111.58	-68.48	-43.10
556.4	-56.79	-10.79	-50.93	-17.55	-0.11	-41.82	-59.49	53.22	-112.71	-69.00	-43.71
556.445	-57.52	-10.79	-50.92	-18.30	-0.11	-42.49	-60.90	53.22	-114.13	-69.52	-44.61
556.49	-56.78	-10.79	-50.91	-17.56	-0.11	-43.21	-60.87	53.22	-114.10	-70.04	-44.06
556.535	-56.86	-10.79	-50.93	-17.62	-0.12	-43.92	-61.66	53.22	-114.89	-70.55	-44.33
556.58	-56.82	-10.79	-50.89	-17.60	-0.11	-44.55	-62.26	53.22	-115.48	-71.07	-44.41
556.625	-57.33	-10.79	-50.95	-18.07	-0.12	-45.26	-63.45	53.22	-116.67	-71.59	-45.08
556.67	-57.18	-10.79	-50.93	-17.94	-0.11	-45.97	-64.02	53.22	-117.25	-72.10	-45.14

556.715	-57.04	-10.79	-50.92	-17.82	-0.11	-46.66	-64.59	53.22	-117.81	-72.62	-45.19
556.76	-57.17	-10.79	-50.93	-17.94	-0.11	-47.34	-65.38	53.22	-118.61	-73.14	-45.47
556.805	-57.46	-10.79	-50.93	-18.22	-0.11	-48.07	-66.41	53.22	-119.63	-73.66	-45.97
556.85	-57.35	-10.79	-50.89	-18.14	-0.11	-48.77	-67.03	53.22	-120.25	-74.18	-46.07
556.895	-57.59	-10.79	-50.92	-18.35	-0.10	-49.46	-67.91	53.22	-121.13	-74.69	-46.44
556.94	-57.33	-10.79	-50.92	-18.11	-0.10	-50.22	-68.43	53.22	-121.65	-75.21	-46.44
556.985	-57.45	-10.79	-50.93	-18.21	-0.12	-50.98	-69.30	53.22	-122.52	-75.73	-46.79
557.03	-57.18	-10.79	-50.91	-17.95	-0.12	-51.72	-69.79	53.22	-123.01	-76.24	-46.77
557.075	-57.15	-10.79	-50.99	-17.87	-0.12	-52.49	-70.48	53.22	-123.70	-76.76	-46.94
557.12	-57.14	-10.79	-50.98	-17.85	-0.10	-53.26	-71.21	53.22	-124.43	-77.28	-47.15
557.165	-57.40	-10.79	-50.89	-18.20	-0.11	-54.01	-72.32	53.22	-125.55	-77.80	-47.75
557.21	-57.22	-10.79	-50.96	-17.96	-0.10	-54.80	-72.86	53.22	-126.08	-78.32	-47.77
557.255	-57.76	-10.79	-50.91	-18.53	-0.10	-55.61	-74.24	53.22	-127.46	-78.83	-48.62
557.3	-58.52	-10.79	-50.90	-19.31	-0.11	-56.44	-75.86	53.22	-129.08	-79.35	-49.73
557.345	-58.34	-10.79	-50.91	-19.12	-0.10	-57.31	-76.54	53.22	-129.76	-79.87	-49.89
557.39	-58.24	-10.79	-50.95	-18.98	-0.11	-57.98	-77.07	53.22	-130.30	-80.38	-49.91
557.435	-57.90	-10.79	-50.90	-18.68	-0.12	-58.84	-77.64	53.22	-130.86	-80.90	-49.96
557.48	-57.35	-10.79	-50.92	-18.09	-0.11	-59.84	-78.05	53.22	-131.27	-81.42	-49.85
557.525	-57.21	-10.79	-50.97	-17.95	-0.10	-60.88	-78.93	53.22	-132.15	-81.94	-50.22
557.57	-57.49	-10.79	-50.92	-18.26	-0.11	-61.79	-80.15	53.22	-133.37	-82.46	-50.92
557.615	-57.26	-10.79	-50.93	-18.04	-0.11	-62.78	-80.93	53.22	-134.15	-82.97	-51.18
557.66	-57.07	-10.79	-50.91	-17.85	-0.11	-63.76	-81.72	53.22	-134.95	-83.49	-51.46
557.705	-57.83	-10.79	-50.99	-18.54	-0.11	-65.15	-83.80	53.22	-137.02	-84.01	-53.01
557.75	-57.82	-10.79	-50.95	-18.57	-0.10	-66.29	-84.96	53.22	-138.19	-84.53	-53.66
557.795	-57.49	-10.79	-50.93	-18.25	-0.11	-67.68	-86.04	53.22	-139.27	-85.04	-54.22
557.84	-56.88	-10.79	-50.88	-17.69	-0.11	-69.12	-86.92	53.22	-140.14	-85.56	-54.58
557.885	-56.70	-10.79	-50.93	-17.46	-0.10	-70.67	-88.23	53.22	-141.46	-86.08	-55.38
557.93	-57.72	-10.79	-50.90	-18.52	-0.09	-72.00	-90.61	53.22	-143.84	-86.59	-57.24
557.975	-58.05	-10.79	-50.91	-18.84	-0.10	-73.88	-92.82	53.22	-146.05	-87.11	-58.93
558.02	-58.28	-10.79	-50.92	-19.04	-0.10	-76.26	-95.40	53.22	-148.63	-87.63	-61.00
558.065	-57.62	-10.79	-50.94	-18.37	-0.10	-78.26	-96.73	53.22	-149.95	-88.15	-61.80
558.11	-57.50	-10.79	-50.91	-18.26	-0.10	-80.98	-99.34	53.22	-152.56	-88.67	-63.90
558.155	-57.86	-10.79	-50.95	-18.61	-0.09	-79.16	-97.86	53.22	-151.08	-89.18	-61.90
558.2	-58.52	-10.79	-50.93	-19.29	-0.09	-77.04	-96.42	53.22	-149.65	-89.70	-59.95
558.245	-59.21	-10.79	-50.96	-19.95	-0.09	-76.10	-96.14	53.22	-149.36	-90.22	-59.14
558.29	-58.68	-10.79	-50.93	-19.44	-0.10	-73.74	-93.28	53.22	-146.50	-90.73	-55.77
558.335	-57.90	-10.79	-50.96	-18.66	-0.11	-73.36	-92.13	53.22	-145.35	-91.25	-54.10
558.38	-57.98	-10.79	-50.94	-18.73	-0.10	-73.12	-91.95	53.22	-145.17	-91.77	-53.40
558.425	-58.03	-10.79	-50.99	-18.74	-0.09	-72.21	-91.03	53.22	-144.25	-92.29	-51.97
558.47	-57.67	-10.79	-50.91	-18.45	-0.09	-71.56	-90.10	53.22	-143.32	-92.81	-50.52

558.515	-57.52	-10.79	-50.91	-18.30	-0.10	-71.20	-89.60	53.22	-142.82	-93.32	-49.50
558.56	-57.34	-10.79	-50.94	-18.09	-0.10	-70.70	-88.88	53.22	-142.10	-93.84	-48.26
558.605	-57.69	-10.79	-50.97	-18.43	-0.11	-70.18	-88.71	53.22	-141.94	-94.36	-47.58
558.65	-58.13	-10.79	-50.91	-18.92	-0.09	-69.64	-88.65	53.22	-141.87	-94.87	-46.99
558.695	-57.66	-10.79	-50.94	-18.42	-0.10	-69.51	-88.03	53.22	-141.25	-95.39	-45.86
558.74	-58.25	-10.79	-50.88	-19.07	-0.10	-68.92	-88.09	53.22	-141.32	-95.91	-45.41
558.785	-58.25	-10.79	-50.92	-19.03	-0.09	-68.84	-87.97	53.22	-141.20	-96.43	-44.77
558.83	-58.25	-10.79	-50.91	-19.04	-0.09	-68.40	-87.53	53.22	-140.75	-96.95	-43.81
558.875	-57.96	-10.79	-50.93	-18.72	-0.10	-68.36	-87.17	53.22	-140.40	-97.46	-42.93
558.92	-57.70	-10.79	-50.93	-18.46	-0.09	-68.30	-86.86	53.22	-140.08	-97.98	-42.10
558.965	-57.51	-10.79	-50.98	-18.22	-0.09	-68.31	-86.62	53.22	-139.85	-98.50	-41.35
559.01	-57.75	-10.79	-50.96	-18.49	-0.10	-67.75	-86.34	53.22	-139.57	-99.01	-40.55
559.055	-58.43	-10.79	-51.00	-19.16	-0.09	-67.78	-87.03	53.22	-140.25	-99.53	-40.72
559.1	-58.63	-10.79	-50.94	-19.40	-0.10	-67.69	-87.20	53.22	-140.42	-100.05	-40.37
559.145	-58.89	-10.79	-50.95	-19.64	-0.10	-67.47	-87.21	53.22	-140.44	-100.57	-39.87
559.19	-58.95	-10.79	-50.94	-19.70	-0.10	-67.48	-87.28	53.22	-140.50	-101.09	-39.42
559.235	-59.07	-10.79	-50.95	-19.83	-0.10	-67.60	-87.52	53.22	-140.74	-101.60	-39.14
559.28	-59.55	-10.79	-50.95	-20.31	-0.09	-66.91	-87.30	53.22	-140.52	-102.12	-38.40
559.325	-59.64	-10.79	-50.91	-20.43	-0.09	-66.94	-87.46	53.22	-140.68	-102.64	-38.04
559.37	-59.79	-10.79	-50.92	-20.57	-0.09	-67.37	-88.02	53.22	-141.25	-103.16	-38.09
559.415	-59.02	-10.79	-50.96	-19.76	-0.08	-67.36	-87.20	53.22	-140.43	-103.67	-36.75
559.46	-58.62	-10.79	-50.95	-19.39	-0.09	-67.32	-86.79	53.22	-140.01	-104.19	-35.82
559.505	-58.84	-10.79	-50.92	-19.64	-0.10	-67.20	-86.94	53.22	-140.16	-104.71	-35.45
559.55	-58.73	-10.79	-50.91	-19.50	-0.10	-67.18	-86.79	53.22	-140.01	-105.22	-34.78
559.595	-58.86	-10.79	-50.94	-19.62	-0.09	-67.35	-87.06	53.22	-140.29	-105.74	-34.54
559.64	-58.83	-10.79	-50.93	-19.60	-0.09	-67.26	-86.95	53.22	-140.17	-106.26	-33.91
559.685	-58.46	-10.79	-50.97	-19.20	-0.09	-67.44	-86.73	53.22	-139.95	-106.78	-33.18
559.73	-58.54	-10.79	-50.93	-19.32	-0.10	-67.24	-86.65	53.22	-139.87	-107.30	-32.58
559.775	-58.66	-10.79	-50.90	-19.46	-0.10	-67.31	-86.87	53.22	-140.09	-107.81	-32.28
559.82	-58.97	-10.79	-50.93	-19.74	-0.08	-67.40	-87.22	53.22	-140.44	-108.33	-32.11
559.865	-58.99	-10.79	-50.95	-19.75	-0.09	-67.28	-87.11	53.22	-140.34	-108.85	-31.49
559.91	-59.07	-10.79	-50.94	-19.83	-0.09	-67.39	-87.30	53.22	-140.53	-109.37	-31.16
559.955	-58.95	-10.79	-50.97	-19.69	-0.10	-67.26	-87.05	53.22	-140.27	-109.88	-30.39
560	-59.28	-10.79	-50.95	-20.03	-0.09	-67.23	-87.36	53.22	-140.58	-110.40	-30.18

Table 2
50 – 1000 MHz _ ATSC 3.0

Freq	1	2	3	4	5	6	7	8	9	Limit	Margin
MHz	dBm	dB	dB	dBm	dB	dB	dB	dBm	dBm	dBc	dB
50.000	-89.43	-10.79	-75.32	-25.06	-1.06	-84.19	-110.30	53.22	-163.52	-110	-53.52
52.375	-89.03	-10.79	-76.70	-23.28	-1.30	-84.18	-108.75	53.22	-161.98	-110	-51.98
54.750	-89.29	-10.79	-75.43	-24.83	-1.29	-83.94	-110.06	53.22	-163.28	-110	-53.28
57.125	-88.74	-10.79	-74.83	-24.89	-1.30	-84.20	-110.39	53.22	-163.61	-110	-53.61
59.500	-89.09	-10.79	-75.75	-24.28	-1.31	-84.34	-109.93	53.22	-163.15	-110	-53.15
61.875	-88.89	-10.79	-73.98	-25.90	-1.35	-84.77	-112.01	53.22	-165.24	-110	-55.24
64.250	-88.14	-10.79	-74.14	-24.98	-1.46	-84.81	-111.25	53.22	-164.47	-110	-54.47
66.625	-88.32	-10.79	-74.42	-24.87	-1.48	-83.98	-110.32	53.22	-163.54	-110	-53.54
69.000	-87.91	-10.79	-73.40	-25.50	-0.54	-84.84	-110.88	53.22	-164.11	-110	-54.11
71.375	-88.27	-10.79	-73.45	-25.82	-0.63	-84.67	-111.12	53.22	-164.34	-110	-54.34
73.750	-88.09	-10.79	-72.16	-27.03	-0.70	-84.68	-112.40	53.22	-165.62	-110	-55.62
76.125	-88.68	-10.79	-71.49	-28.22	-0.76	-83.72	-112.70	53.22	-165.92	-110	-55.92
78.500	-89.43	-10.79	-71.18	-29.23	-0.90	-84.91	-115.04	53.22	-168.26	-110	-58.26
80.875	-88.86	-10.79	-71.08	-28.77	-0.92	-84.25	-113.94	53.22	-167.17	-110	-57.17
83.250	-89.01	-10.79	-70.46	-29.53	-0.94	-84.38	-114.86	53.22	-168.08	-110	-58.08
85.625	-88.51	-10.79	-70.29	-29.22	-0.90	-84.18	-114.30	53.22	-167.52	-110	-57.52
88.000	-89.33	-10.79	-69.51	-30.83	-0.82	-84.70	-116.35	53.22	-169.58	-110	-59.58
90.375	-89.00	-10.79	-69.46	-30.54	-0.69	-83.73	-114.96	53.22	-168.18	-110	-58.18
92.750	-89.11	-10.79	-69.54	-30.61	-0.64	-83.76	-115.01	53.22	-168.23	-110	-58.23
95.125	-88.72	-10.79	-69.20	-30.55	-0.51	-84.23	-115.29	53.22	-168.51	-110	-58.51
97.500	-89.20	-10.79	-68.62	-31.64	-0.48	-84.71	-116.84	53.22	-170.06	-110	-60.06
99.875	-89.18	-10.79	-68.49	-31.78	-0.47	-83.94	-116.20	53.22	-169.42	-110	-59.42
102.250	-89.20	-10.79	-68.08	-32.15	-0.47	-84.02	-116.64	53.22	-169.87	-110	-59.87
104.625	-88.93	-10.79	-67.85	-32.13	-0.50	-83.69	-116.32	53.22	-169.54	-110	-59.54
107.000	-88.98	-10.79	-67.12	-32.91	-0.58	-83.44	-116.93	53.22	-170.15	-110	-60.15
109.375	-88.61	-10.79	-67.13	-32.53	-0.68	-84.00	-117.20	53.22	-170.42	-110	-60.42
111.750	-88.64	-10.79	-66.70	-32.97	-0.77	-84.61	-118.36	53.22	-171.58	-110	-61.58
114.125	-89.13	-10.79	-66.62	-33.54	-0.81	-83.65	-118.01	53.22	-171.23	-110	-61.23
116.500	-88.58	-10.79	-66.31	-33.35	-0.86	-83.96	-118.17	53.22	-171.39	-110	-61.39
118.875	-88.53	-10.79	-65.80	-33.77	-0.88	-83.52	-118.17	53.22	-171.39	-110	-61.39
121.250	-88.31	-10.79	-65.71	-33.68	-0.75	-83.35	-117.78	53.22	-171.00	-110	-61.00
123.625	-87.57	-10.79	-65.34	-33.33	-0.58	-84.89	-118.80	53.22	-172.02	-110	-62.02
126.000	-87.54	-10.79	-65.20	-33.41	-0.51	-83.93	-117.85	53.22	-171.07	-110	-61.07
128.375	-87.22	-10.79	-64.34	-33.94	-0.44	-83.95	-118.32	53.22	-171.55	-110	-61.55
130.750	-86.49	-10.79	-64.70	-32.84	-0.22	-84.37	-117.42	53.22	-170.64	-110	-60.64
133.125	-85.99	-10.79	-64.07	-32.97	-0.15	-83.92	-117.04	53.22	-170.26	-110	-60.26

135.500	-84.94	-10.79	-64.00	-32.00	-0.09	-84.08	-116.17	53.22	-169.39	-110	-59.39
137.875	-84.15	-10.79	-63.87	-31.38	0.02	-84.08	-115.44	53.22	-168.66	-110	-58.66
140.250	-83.34	-10.79	-63.27	-31.18	0.00	-84.56	-115.74	53.22	-168.96	-110	-58.96
142.625	-82.98	-10.79	-63.02	-31.04	0.03	-83.78	-114.80	53.22	-168.02	-110	-58.02
145.000	-83.25	-10.79	-63.08	-31.32	-0.01	-83.22	-114.54	53.22	-167.77	-110	-57.77
147.375	-83.83	-10.79	-62.87	-32.06	-0.07	-84.66	-116.79	53.22	-170.01	-110	-60.01
149.750	-84.96	-10.79	-62.54	-33.49	-0.15	-84.23	-117.87	53.22	-171.09	-110	-61.09
152.125	-85.93	-10.79	-62.37	-34.67	-0.16	-84.55	-119.37	53.22	-172.59	-110	-62.59
154.500	-86.81	-10.79	-62.22	-35.72	-0.18	-83.20	-119.09	53.22	-172.32	-110	-62.32
156.875	-87.59	-10.79	-61.89	-36.78	-0.13	-84.35	-121.27	53.22	-174.49	-110	-64.49
159.250	-87.64	-10.79	-61.74	-37.00	-0.05	-83.77	-120.82	53.22	-174.04	-110	-64.04
161.625	-88.23	-10.79	-61.32	-38.00	0.07	-84.40	-122.33	53.22	-175.55	-110	-65.55
164.000	-88.12	-10.79	-61.28	-37.94	0.12	-83.90	-121.72	53.22	-174.94	-110	-64.94
166.375	-87.90	-10.79	-61.00	-38.05	0.23	-83.43	-121.25	53.22	-174.47	-110	-64.47
168.750	-88.51	-10.79	-60.87	-38.79	0.31	-83.82	-122.31	53.22	-175.53	-110	-65.53
171.125	-88.05	-10.79	-60.76	-38.43	0.33	-84.09	-122.19	53.22	-175.42	-110	-65.42
173.500	-87.99	-10.79	-60.61	-38.53	0.32	-83.71	-121.91	53.22	-175.13	-110	-65.13
175.875	-88.23	-10.79	-60.38	-38.97	0.33	-83.92	-122.56	53.22	-175.78	-110	-65.78
178.250	-88.45	-10.79	-60.32	-39.26	0.33	-84.58	-123.50	53.22	-176.72	-110	-66.72
180.625	-88.06	-10.79	-60.04	-39.14	0.35	-83.66	-122.45	53.22	-175.67	-110	-65.67
183.000	-88.29	-10.79	-59.77	-39.60	0.37	-83.16	-122.39	53.22	-175.61	-110	-65.61
185.375	-88.10	-10.79	-59.72	-39.51	0.38	-83.46	-122.59	53.22	-175.81	-110	-65.81
187.750	-88.66	-10.79	-59.51	-40.29	0.39	-84.05	-123.95	53.22	-177.17	-110	-67.17
190.125	-88.51	-10.79	-59.15	-40.49	0.37	-84.03	-124.15	53.22	-177.37	-110	-67.37
192.500	-88.66	-10.79	-59.33	-40.54	0.35	-84.07	-124.25	53.22	-177.48	-110	-67.48
194.875	-88.54	-10.79	-58.79	-40.90	0.37	-83.59	-124.13	53.22	-177.35	-110	-67.35
197.250	-88.40	-10.79	-58.74	-40.79	0.36	-83.95	-124.38	53.22	-177.60	-110	-67.60
199.625	-88.40	-10.79	-58.52	-41.04	0.31	-83.31	-124.04	53.22	-177.26	-110	-67.26
202.000	-88.60	-10.79	-58.54	-41.18	0.32	-84.14	-125.00	53.22	-178.22	-110	-68.22
204.375	-89.21	-10.79	-58.35	-42.02	0.27	-82.60	-124.35	53.22	-177.57	-110	-67.57
206.750	-89.06	-10.79	-58.15	-42.05	0.22	-83.53	-125.37	53.22	-178.59	-110	-68.59
209.125	-89.51	-10.79	-57.83	-42.80	0.12	-84.35	-127.03	53.22	-180.26	-110	-70.26
211.500	-89.47	-10.79	-57.73	-42.88	0.05	-83.66	-126.49	53.22	-179.71	-110	-69.71
213.875	-89.56	-10.79	-57.63	-43.11	-0.04	-84.19	-127.34	53.22	-180.56	-110	-70.56
216.250	-89.20	-10.79	-57.49	-42.88	-0.08	-84.16	-127.13	53.22	-180.35	-110	-70.35
218.625	-89.57	-10.79	-57.37	-43.38	-0.09	-83.42	-126.88	53.22	-180.10	-110	-70.10
221.000	-88.95	-10.79	-57.21	-42.88	-0.09	-83.98	-126.95	53.22	-180.17	-110	-70.17
223.375	-89.46	-10.79	-57.20	-43.43	-0.12	-83.00	-126.55	53.22	-179.77	-110	-69.77
225.750	-89.79	-10.79	-57.05	-43.90	-0.12	-84.15	-128.18	53.22	-181.40	-110	-71.40
228.125	-89.52	-10.79	-56.91	-43.76	-0.13	-83.85	-127.74	53.22	-180.96	-110	-70.96

230.500	-89.06	-10.79	-56.78	-43.48	-0.08	-83.98	-127.54	53.22	-180.76	-110	-70.76
232.875	-88.79	-10.79	-56.62	-43.35	-0.10	-82.91	-126.36	53.22	-179.58	-110	-69.58
235.250	-88.36	-10.79	-56.34	-43.21	-0.13	-84.03	-127.37	53.22	-180.59	-110	-70.59
237.625	-87.92	-10.79	-56.31	-42.83	-0.17	-84.09	-127.09	53.22	-180.31	-110	-70.31
240.000	-87.89	-10.79	-56.26	-42.84	-0.23	-83.97	-127.03	53.22	-180.26	-110	-70.26
242.375	-87.60	-10.79	-56.09	-42.72	-0.31	-84.17	-127.20	53.22	-180.42	-110	-70.42
244.750	-86.87	-10.79	-55.84	-42.29	-0.45	-83.72	-126.45	53.22	-179.68	-110	-69.68
247.125	-86.65	-10.79	-55.74	-42.12	-0.50	-82.96	-125.58	53.22	-178.81	-110	-68.81
249.500	-86.29	-10.79	-55.70	-41.81	-0.64	-83.42	-125.86	53.22	-179.09	-110	-69.09
251.875	-86.43	-10.79	-55.48	-42.12	-0.85	-82.71	-125.67	53.22	-178.90	-110	-68.90
254.250	-85.66	-10.79	-55.29	-41.51	-0.87	-83.20	-125.58	53.22	-178.80	-110	-68.80
256.625	-85.40	-10.79	-55.19	-41.36	-0.95	-82.74	-125.05	53.22	-178.27	-110	-68.27
259.000	-85.02	-10.79	-55.03	-41.19	-0.98	-83.40	-125.56	53.22	-178.78	-110	-68.78
261.375	-85.07	-10.79	-54.93	-41.35	-0.95	-83.98	-126.29	53.22	-179.51	-110	-69.51
263.750	-85.23	-10.79	-54.87	-41.61	-0.86	-83.89	-126.35	53.22	-179.57	-110	-69.57
266.125	-84.55	-10.79	-54.80	-40.99	-0.87	-83.39	-125.25	53.22	-178.47	-110	-68.47
268.500	-84.56	-10.79	-54.67	-41.10	-0.76	-83.67	-125.53	53.22	-178.75	-110	-68.75
270.875	-84.67	-10.79	-54.68	-41.23	-0.75	-83.44	-125.42	53.22	-178.65	-110	-68.65
273.250	-84.69	-10.79	-54.50	-41.43	-0.81	-83.27	-125.50	53.22	-178.72	-110	-68.72
275.625	-84.78	-10.79	-54.40	-41.57	-0.78	-83.84	-126.19	53.22	-179.42	-110	-69.42
278.000	-84.73	-10.79	-54.20	-41.72	-0.79	-83.28	-125.79	53.22	-179.02	-110	-69.02
280.375	-84.73	-10.79	-54.10	-41.82	-0.88	-83.46	-126.16	53.22	-179.38	-110	-69.38
282.750	-84.51	-10.79	-54.11	-41.61	-0.96	-83.03	-125.60	53.22	-178.82	-110	-68.82
285.125	-84.25	-10.79	-54.08	-41.39	-1.06	-82.56	-125.02	53.22	-178.24	-110	-68.24
287.500	-84.13	-10.79	-53.88	-41.50	-1.23	-83.60	-126.33	53.22	-179.56	-110	-69.56
289.875	-84.17	-10.79	-53.85	-41.60	-1.27	-83.04	-125.90	53.22	-179.12	-110	-69.12
292.250	-83.86	-10.79	-53.61	-41.51	-1.44	-83.11	-126.06	53.22	-179.28	-110	-69.28
294.625	-83.75	-10.79	-53.59	-41.41	-1.50	-82.58	-125.49	53.22	-178.71	-110	-68.71
297.000	-83.73	-10.79	-53.52	-41.44	-1.50	-83.42	-126.36	53.22	-179.58	-110	-69.58
299.375	-83.46	-10.79	-53.45	-41.23	-1.44	-83.37	-126.04	53.22	-179.26	-110	-69.26
301.750	-83.07	-10.79	-53.30	-41.01	-1.34	-83.47	-125.82	53.22	-179.04	-110	-69.04
304.125	-83.11	-10.79	-53.18	-41.17	-1.17	-83.54	-125.88	53.22	-179.10	-110	-69.10
306.500	-82.73	-10.79	-53.15	-40.81	-1.01	-83.15	-124.97	53.22	-178.20	-110	-68.20
308.875	-82.87	-10.79	-52.91	-41.22	-0.91	-82.71	-124.84	53.22	-178.06	-110	-68.06
311.250	-82.55	-10.79	-52.91	-40.88	-0.74	-82.59	-124.21	53.22	-177.44	-110	-67.44
313.625	-82.20	-10.79	-52.96	-40.51	-0.68	-83.15	-124.34	53.22	-177.56	-110	-67.56
316.000	-82.06	-10.79	-52.69	-40.66	-0.64	-83.16	-124.46	53.22	-177.68	-110	-67.68
318.375	-81.66	-10.79	-52.70	-40.24	-0.64	-83.09	-123.97	53.22	-177.19	-110	-67.19
320.750	-81.37	-10.79	-52.60	-40.01	-0.71	-83.23	-123.95	53.22	-177.17	-110	-67.17
323.125	-80.74	-10.79	-52.62	-39.40	-0.83	-83.43	-123.66	53.22	-176.89	-110	-66.89

325.500	-80.07	-10.79	-52.45	-38.87	-0.93	-82.41	-122.21	53.22	-175.43	-110	-65.43
327.875	-78.96	-10.79	-52.53	-37.70	-1.09	-83.12	-121.91	53.22	-175.13	-110	-65.13
330.250	-78.03	-10.79	-52.28	-37.07	-1.19	-83.37	-121.63	53.22	-174.85	-110	-64.85
332.625	-76.58	-10.79	-52.30	-35.52	-1.21	-83.22	-119.96	53.22	-173.18	-110	-63.18
335.000	-75.14	-10.79	-52.16	-34.31	-1.16	-82.56	-118.02	53.22	-171.24	-110	-61.24
337.375	-74.25	-10.79	-52.05	-33.48	-1.03	-83.27	-117.78	53.22	-171.00	-110	-61.00
339.750	-73.56	-10.79	-52.02	-32.82	-0.81	-82.61	-116.24	53.22	-169.46	-110	-59.46
342.125	-72.98	-10.79	-51.93	-32.34	-0.66	-82.62	-115.62	53.22	-168.84	-110	-58.84
344.500	-72.21	-10.79	-51.83	-31.65	-0.49	-82.44	-114.59	53.22	-167.81	-110	-57.81
346.875	-71.65	-10.79	-51.78	-31.08	-0.31	-82.77	-114.17	53.22	-167.39	-110	-57.39
349.250	-71.27	-10.79	-51.92	-30.65	-0.23	-82.11	-112.99	53.22	-166.21	-110	-56.21
351.625	-70.94	-10.79	-51.71	-30.48	-0.09	-83.07	-113.64	53.22	-166.86	-110	-56.86
354.000	-70.59	-10.79	-51.68	-30.15	0.01	-81.73	-111.88	53.22	-165.10	-110	-55.10
356.375	-70.27	-10.79	-51.58	-30.02	0.03	-82.98	-112.96	53.22	-166.19	-110	-56.19
358.750	-69.80	-10.79	-51.55	-29.52	0.03	-81.67	-111.17	53.22	-164.39	-110	-54.39
361.125	-69.73	-10.79	-51.56	-29.46	-0.05	-80.63	-110.15	53.22	-163.37	-110	-53.37
363.500	-69.49	-10.79	-51.60	-29.21	-0.15	-82.31	-111.66	53.22	-164.88	-110	-54.88
365.875	-68.84	-10.79	-51.45	-28.67	-0.17	-81.48	-110.31	53.22	-163.54	-110	-53.54
368.250	-68.68	-10.79	-51.43	-28.55	-0.30	-82.29	-111.14	53.22	-164.36	-110	-54.36
370.625	-68.43	-10.79	-51.46	-28.31	-0.33	-82.80	-111.45	53.22	-164.67	-110	-54.67
373.000	-68.11	-10.79	-51.36	-28.00	-0.31	-81.52	-109.83	53.22	-163.05	-110	-53.05
375.375	-67.69	-10.79	-51.36	-27.61	-0.27	-82.44	-110.31	53.22	-163.54	-110	-53.54
377.750	-67.22	-10.79	-51.16	-27.32	-0.14	-81.86	-109.32	53.22	-162.54	-110	-52.54
380.125	-67.03	-10.79	-51.23	-27.06	0.01	-82.15	-109.21	53.22	-162.43	-110	-52.43
382.500	-66.74	-10.79	-51.15	-26.86	0.11	-82.49	-109.24	53.22	-162.46	-110	-52.46
384.875	-66.25	-10.79	-51.13	-26.39	0.25	-82.04	-108.18	53.22	-161.40	-110	-51.40
387.250	-66.15	-10.79	-51.18	-26.31	0.32	-82.32	-108.31	53.22	-161.53	-110	-51.53
389.625	-65.77	-10.79	-51.17	-25.93	0.29	-82.84	-108.49	53.22	-161.71	-110	-51.71
392.000	-65.30	-10.79	-51.07	-25.55	0.28	-82.19	-107.46	53.22	-160.68	-110	-50.68
394.375	-65.24	-10.79	-51.12	-25.46	0.31	-82.38	-107.53	53.22	-160.75	-110	-50.75
396.750	-64.85	-10.79	-50.98	-25.15	0.23	-83.01	-107.93	53.22	-161.15	-110	-51.15
399.125	-64.73	-10.79	-51.07	-24.93	0.25	-82.95	-107.63	53.22	-160.85	-110	-50.85
401.500	-64.51	-10.79	-51.01	-24.81	0.26	-81.80	-106.35	53.22	-159.58	-110	-49.58
403.875	-64.52	-10.79	-50.96	-24.82	0.22	-82.52	-107.13	53.22	-160.35	-110	-50.35
406.250	-64.44	-10.79	-51.02	-24.74	0.20	-82.63	-107.16	53.22	-160.38	-110	-50.38
408.625	-64.13	-10.79	-50.98	-24.54	0.16	-81.02	-105.41	53.22	-158.63	-110	-48.63
411.000	-63.80	-10.79	-50.92	-24.22	0.16	-82.91	-106.97	53.22	-160.19	-110	-50.19
413.375	-63.23	-10.79	-50.99	-23.60	0.16	-83.00	-106.44	53.22	-159.67	-110	-49.67
415.750	-63.04	-10.79	-51.01	-23.36	0.20	-82.24	-105.40	53.22	-158.62	-110	-48.62
418.125	-62.87	-10.79	-50.96	-23.23	0.22	-82.81	-105.81	53.22	-159.03	-110	-49.03

420.500	-62.88	-10.79	-50.85	-23.34	0.21	-82.87	-106.01	53.22	-159.23	-110	-49.23
422.875	-62.71	-10.79	-50.83	-23.15	0.24	-82.97	-105.89	53.22	-159.11	-110	-49.11
425.250	-62.58	-10.79	-50.86	-23.02	0.18	-83.07	-105.91	53.22	-159.13	-110	-49.13
427.625	-62.63	-10.79	-50.80	-23.16	0.20	-81.71	-104.67	53.22	-157.89	-110	-47.89
430.000	-62.37	-10.79	-50.74	-22.93	0.22	-83.25	-105.97	53.22	-159.19	-110	-49.19
432.375	-62.31	-10.79	-50.83	-22.80	0.21	-83.03	-105.62	53.22	-158.85	-110	-48.85
434.750	-62.40	-10.79	-50.81	-22.95	0.25	-83.19	-105.90	53.22	-159.12	-110	-49.12
437.125	-62.42	-10.79	-50.80	-22.94	0.27	-82.96	-105.63	53.22	-158.85	-110	-48.85
439.500	-62.20	-10.79	-50.87	-22.71	0.27	-82.45	-104.89	53.22	-158.11	-110	-48.11
441.875	-62.14	-10.79	-50.77	-22.71	0.29	-82.84	-105.26	53.22	-158.48	-110	-48.48
444.250	-62.24	-10.79	-50.92	-22.69	0.25	-82.46	-104.90	53.22	-158.12	-110	-48.12
446.625	-62.51	-10.79	-50.88	-23.03	0.18	-82.11	-104.96	53.22	-158.18	-110	-48.18
449.000	-62.47	-10.79	-50.87	-22.99	-0.39	-81.50	-104.88	53.22	-158.10	-110	-48.10
451.375	-63.00	-10.79	-50.81	-23.54	-0.39	-82.53	-106.46	53.22	-159.69	-110	-49.69
453.750	-63.05	-10.79	-50.88	-23.58	-0.39	-81.65	-105.62	53.22	-158.84	-110	-48.84
456.125	-63.13	-10.79	-50.82	-23.67	-0.43	-82.74	-106.83	53.22	-160.05	-110	-50.05
458.500	-63.61	-10.79	-50.66	-24.28	-0.45	-82.57	-107.30	53.22	-160.53	-110	-50.53
460.875	-63.89	-10.79	-50.79	-24.49	-0.40	-82.09	-106.98	53.22	-160.20	-110	-50.20
463.250	-63.77	-10.79	-50.72	-24.38	-0.45	-82.08	-106.91	53.22	-160.13	-110	-50.13
465.625	-63.78	-10.79	-50.75	-24.36	-0.42	-81.96	-106.74	53.22	-159.97	-110	-49.97
468.000	-63.77	-10.79	-50.70	-24.41	-0.42	-82.22	-107.05	53.22	-160.27	-110	-50.27
470.375	-63.62	-10.79	-50.64	-24.35	-0.42	-81.78	-106.55	53.22	-159.77	-110	-49.77
472.750	-63.63	-10.79	-50.76	-24.24	-0.43	-81.90	-106.56	53.22	-159.79	-110	-49.79
475.125	-63.72	-10.79	-50.58	-24.49	-0.39	-81.97	-106.85	53.22	-160.08	-110	-50.08
477.500	-63.73	-10.79	-50.72	-24.39	-0.44	-81.92	-106.74	53.22	-159.96	-110	-49.96
479.875	-63.98	-10.79	-50.77	-24.58	-0.41	-81.53	-106.53	53.22	-159.75	-110	-49.75
482.250	-64.52	-10.79	-50.71	-25.18	-0.46	-81.61	-107.24	53.22	-160.47	-110	-50.47
484.625	-65.21	-10.79	-50.73	-25.89	-0.45	-81.88	-108.23	53.22	-161.45	-110	-51.45
487.000	-65.86	-10.79	-50.74	-26.54	-0.47	-82.20	-109.21	53.22	-162.43	-110	-52.43
489.375	-66.27	-10.79	-50.74	-26.88	-0.48	-82.76	-110.12	53.22	-163.34	-110	-53.34
491.750	-66.37	-10.79	-50.76	-26.99	-0.50	-82.00	-109.49	53.22	-162.71	-110	-52.71
494.125	-66.44	-10.79	-50.70	-27.12	-0.43	-82.16	-109.71	53.22	-162.93	-110	-52.93
496.500	-66.61	-10.79	-50.60	-27.35	-0.46	-81.80	-109.61	53.22	-162.83	-110	-52.83
498.875	-66.47	-10.79	-50.66	-27.20	-0.41	-82.38	-109.99	53.22	-163.22	-110	-53.22
501.250	-66.48	-10.79	-50.71	-27.17	-0.43	-82.79	-110.39	53.22	-163.61	-110	-53.61
503.625	-66.42	-10.79	-50.71	-27.08	-0.42	-82.44	-109.94	53.22	-163.16	-110	-53.16
506.000	-66.35	-10.79	-50.75	-26.99	-0.43	-82.58	-110.00	53.22	-163.22	-110	-53.22
508.375	-66.13	-10.79	-50.74	-26.74	-0.41	-81.99	-109.15	53.22	-162.37	-110	-52.37
510.750	-65.79	-10.79	-50.63	-26.47	-0.43	-81.68	-108.57	53.22	-161.80	-110	-51.80
513.125	-65.44	-10.79	-50.77	-26.05	-0.46	-82.72	-109.23	53.22	-162.45	-110	-52.45

515.500	-64.57	-10.79	-50.67	-25.25	-0.47	-82.78	-108.50	53.22	-161.72	-110	-51.72
517.875	-62.88	-10.79	-50.75	-23.53	-0.47	-82.70	-106.70	53.22	-159.92	-110	-49.92
520.250	-61.05	-10.79	-50.72	-21.75	-0.46	-82.08	-104.29	53.22	-157.51	-110	-47.51
522.625	-59.45	-10.79	-50.79	-20.09	-0.46	-82.71	-103.26	53.22	-156.49	-110	-46.49
525.000	-57.89	-10.79	-50.76	-18.55	-0.47	-82.67	-101.69	53.22	-154.91	-110	-44.91
527.375	-56.91	-10.79	-50.80	-17.56	-0.44	-83.06	-101.06	53.22	-154.28	-110	-44.28
529.750	-56.05	-10.79	-50.81	-16.72	-0.45	-83.12	-100.28	53.22	-153.51	-110	-43.51
532.125	-55.18	-10.79	-50.76	-15.84	-0.42	-82.65	-98.91	53.22	-152.13	-110	-42.13
534.5	-54.09	-10.79	-50.75	-14.71	-0.46	-79.89	-95.06	53.22	-148.28	-110	-38.28
536.875	-52.80	-10.79	-50.72	-13.50	-0.40	-75.35	-89.25	53.22	-142.47	-110	-32.47
539.25	-51.85	-10.79	-50.61	-12.62	-0.41	-70.24	-83.27	53.22	-136.49	-110	-26.49
541.625	-50.30	-10.79	-50.64	-10.99	-0.43	-66.47	-77.89	53.22	-131.11	-110	-21.11
542	Refer to Table "1" for 542 -- 560 MHz Conducted Spurious Emission Test Data										
560											
560.625	-49.77	-10.79	-50.68	-10.47	-0.41	-68.57	-79.45	53.22	-132.67	-110	-22.67
563.000	-50.52	-10.79	-50.75	-11.23	-0.44	-73.08	-84.76	53.22	-137.98	-110	-27.98
565.375	-51.38	-10.79	-50.72	-12.09	-0.43	-80.34	-92.86	53.22	-146.09	-110	-36.09
567.750	-52.01	-10.79	-50.78	-12.66	-0.44	-81.92	-95.02	53.22	-148.24	-110	-38.24
570.125	-52.82	-10.79	-50.87	-13.43	-0.49	-83.36	-97.28	53.22	-150.50	-110	-40.50
572.500	-53.58	-10.79	-50.79	-14.25	-0.56	-83.18	-97.99	53.22	-151.21	-110	-41.21
574.875	-54.83	-10.79	-50.85	-15.44	-0.56	-83.43	-99.43	53.22	-152.66	-110	-42.66
577.250	-56.25	-10.79	-50.90	-16.81	-0.56	-82.80	-100.17	53.22	-153.39	-110	-43.39
579.625	-57.96	-10.79	-50.72	-18.62	-0.54	-83.18	-102.34	53.22	-155.56	-110	-45.56
582.000	-59.71	-10.79	-50.72	-20.37	-0.49	-82.76	-103.63	53.22	-156.85	-110	-46.85
584.375	-61.41	-10.79	-50.72	-22.09	-0.44	-82.49	-105.02	53.22	-158.24	-110	-48.24
586.750	-62.50	-10.79	-50.68	-23.20	-0.46	-82.93	-106.60	53.22	-159.82	-110	-49.82
589.125	-63.45	-10.79	-50.66	-24.23	-0.45	-83.09	-107.77	53.22	-160.99	-110	-50.99
591.500	-63.85	-10.79	-50.64	-24.65	-0.45	-83.00	-108.10	53.22	-161.32	-110	-51.32
593.875	-64.09	-10.79	-50.60	-24.95	-0.45	-82.57	-107.96	53.22	-161.18	-110	-51.18
596.250	-64.01	-10.79	-50.69	-24.79	-0.48	-83.32	-108.59	53.22	-161.81	-110	-51.81
598.625	-63.90	-10.79	-50.64	-24.69	-0.47	-82.81	-107.97	53.22	-161.19	-110	-51.19
601.000	-63.83	-10.79	-50.71	-24.57	-0.49	-82.43	-107.49	53.22	-160.71	-110	-50.71
603.375	-63.78	-10.79	-50.75	-24.47	-0.52	-82.12	-107.10	53.22	-160.33	-110	-50.33
605.750	-63.56	-10.79	-50.68	-24.32	-0.52	-82.47	-107.30	53.22	-160.53	-110	-50.53
608.125	-63.33	-10.79	-50.73	-24.07	-0.53	-82.42	-107.03	53.22	-160.25	-110	-50.25
610.500	-63.46	-10.79	-50.79	-24.17	-0.55	-81.71	-106.43	53.22	-159.65	-110	-49.65
612.875	-63.70	-10.79	-50.73	-24.37	-0.50	-82.31	-107.18	53.22	-160.40	-110	-50.40
615.250	-63.79	-10.79	-50.79	-24.50	-0.47	-81.97	-106.94	53.22	-160.16	-110	-50.16
617.625	-64.16	-10.79	-50.83	-24.83	-0.42	-82.03	-107.27	53.22	-160.49	-110	-50.49
620.000	-64.76	-10.79	-50.79	-25.43	-0.45	-82.92	-108.80	53.22	-162.02	-110	-52.02

622.375	-65.48	-10.79	-50.86	-26.12	-0.43	-82.57	-109.12	53.22	-162.34	-110	-52.34
624.750	-66.17	-10.79	-50.79	-26.79	-0.54	-82.53	-109.85	53.22	-163.07	-110	-53.07
627.125	-66.26	-10.79	-50.82	-26.86	-0.57	-82.02	-109.46	53.22	-162.68	-110	-52.68
629.500	-66.31	-10.79	-50.76	-26.90	-0.53	-82.51	-109.94	53.22	-163.16	-110	-53.16
631.875	-66.41	-10.79	-50.64	-27.15	-0.52	-82.20	-109.87	53.22	-163.09	-110	-53.09
634.250	-66.79	-10.79	-50.76	-27.41	-0.49	-82.46	-110.36	53.22	-163.58	-110	-53.58
636.625	-66.79	-10.79	-50.66	-27.56	-0.42	-82.09	-110.07	53.22	-163.29	-110	-53.29
639.000	-67.16	-10.79	-50.75	-27.85	-0.42	-82.08	-110.35	53.22	-163.58	-110	-53.58
641.375	-67.35	-10.79	-50.63	-28.26	-0.40	-82.10	-110.76	53.22	-163.98	-110	-53.98
643.750	-67.68	-10.79	-50.76	-28.46	-0.44	-82.86	-111.77	53.22	-164.99	-110	-54.99
646.125	-67.83	-10.79	-50.75	-28.59	-0.52	-82.55	-111.67	53.22	-164.89	-110	-54.89
648.500	-68.12	-10.79	-50.77	-28.85	-0.49	-83.02	-112.36	53.22	-165.58	-110	-55.58
650.875	-68.36	-10.79	-50.71	-29.16	-0.51	-82.46	-112.13	53.22	-165.36	-110	-55.36
653.250	-68.75	-10.79	-50.73	-29.47	-0.48	-82.76	-112.71	53.22	-165.94	-110	-55.94
655.625	-69.03	-10.79	-50.74	-29.77	-0.51	-82.48	-112.76	53.22	-165.98	-110	-55.98
658.000	-69.55	-10.79	-50.67	-30.33	-0.53	-81.75	-112.62	53.22	-165.84	-110	-55.84
660.375	-69.79	-10.79	-50.66	-30.56	-0.50	-82.77	-113.83	53.22	-167.06	-110	-57.06
662.750	-70.03	-10.79	-50.63	-30.87	-0.53	-82.76	-114.15	53.22	-167.38	-110	-57.38
665.125	-70.17	-10.79	-50.68	-30.94	-0.55	-82.26	-113.75	53.22	-166.97	-110	-56.97
667.500	-70.52	-10.79	-50.80	-31.25	-0.50	-82.88	-114.63	53.22	-167.85	-110	-57.85
669.875	-70.90	-10.79	-50.74	-31.66	-0.46	-82.79	-114.91	53.22	-168.14	-110	-58.14
672.250	-71.25	-10.79	-50.73	-31.95	-0.46	-83.17	-115.58	53.22	-168.80	-110	-58.80
674.625	-71.72	-10.79	-50.90	-32.29	-0.49	-83.05	-115.83	53.22	-169.05	-110	-59.05
677.000	-72.06	-10.79	-50.85	-32.69	-0.53	-82.95	-116.18	53.22	-169.41	-110	-59.41
679.375	-72.35	-10.79	-50.79	-33.00	-0.59	-82.16	-115.76	53.22	-168.98	-110	-58.98
681.750	-72.69	-10.79	-50.77	-33.38	-0.66	-82.95	-116.98	53.22	-170.20	-110	-60.20
684.125	-73.10	-10.79	-50.76	-33.80	-0.75	-82.79	-117.34	53.22	-170.56	-110	-60.56
686.500	-73.69	-10.79	-50.75	-34.44	-1.00	-82.62	-118.05	53.22	-171.28	-110	-61.28
688.875	-74.21	-10.79	-50.81	-34.90	-1.14	-83.15	-119.20	53.22	-172.42	-110	-62.42
691.250	-74.62	-10.79	-50.64	-35.49	-1.42	-81.50	-118.40	53.22	-171.63	-110	-61.63
693.625	-75.18	-10.79	-50.60	-36.09	-1.82	-82.25	-120.16	53.22	-173.38	-110	-63.38
696.000	-75.70	-10.79	-50.75	-36.45	-2.09	-82.34	-120.89	53.22	-174.11	-110	-64.11
698.375	-76.11	-10.79	-50.77	-36.86	-2.35	-81.94	-121.16	53.22	-174.38	-110	-64.38
700.750	-76.44	-10.79	-50.81	-37.14	-2.64	-82.74	-122.52	53.22	-175.74	-110	-65.74
703.125	-76.64	-10.79	-50.82	-37.27	-2.85	-83.26	-123.39	53.22	-176.61	-110	-66.61
705.500	-77.18	-10.79	-50.70	-37.93	-3.26	-82.11	-123.30	53.22	-176.52	-110	-66.52
707.875	-77.02	-10.79	-50.83	-37.71	-4.13	-82.13	-123.97	53.22	-177.19	-110	-67.19
710.250	-77.48	-10.79	-50.77	-38.17	-4.95	-81.89	-125.01	53.22	-178.23	-110	-68.23
712.625	-77.30	-10.79	-50.81	-37.99	-5.87	-82.46	-126.33	53.22	-179.55	-110	-69.55
715.000	-77.52	-10.79	-50.86	-38.18	-7.37	-81.94	-127.49	53.22	-180.71	-110	-70.71

717.375	-77.70	-10.79	-50.82	-38.36	-8.38	-81.96	-128.69	53.22	-181.92	-110	-71.92
719.750	-77.80	-10.79	-50.85	-38.48	-9.24	-82.52	-130.24	53.22	-183.46	-110	-73.46
722.125	-77.73	-10.79	-50.90	-38.40	-10.47	-82.31	-131.17	53.22	-184.40	-110	-74.40
724.500	-78.22	-10.79	-50.87	-38.90	-11.19	-82.09	-132.17	53.22	-185.40	-110	-75.40
726.875	-78.36	-10.79	-50.84	-39.03	-11.85	-81.77	-132.65	53.22	-185.87	-110	-75.87
729.250	-78.74	-10.79	-50.76	-39.49	-12.62	-82.12	-134.24	53.22	-187.46	-110	-77.46
731.625	-79.12	-10.79	-50.71	-39.90	-13.10	-82.35	-135.34	53.22	-188.56	-110	-78.56
734.000	-79.45	-10.79	-50.70	-40.28	-13.52	-81.64	-135.44	53.22	-188.67	-110	-78.67
736.375	-79.52	-10.79	-50.68	-40.34	-14.27	-82.45	-137.06	53.22	-190.28	-110	-80.28
738.750	-80.03	-10.79	-50.80	-40.78	-14.96	-82.05	-137.79	53.22	-191.01	-110	-81.01
741.125	-80.01	-10.79	-50.63	-40.87	-15.69	-82.35	-138.91	53.22	-192.13	-110	-82.13
743.500	-80.04	-10.79	-50.66	-40.91	-17.04	-81.78	-139.73	53.22	-192.95	-110	-82.95
745.875	-80.60	-10.79	-50.83	-41.30	-18.07	-82.13	-141.50	53.22	-194.72	-110	-84.72
748.250	-80.65	-10.79	-50.90	-41.33	-19.03	-82.24	-142.60	53.22	-195.82	-110	-85.82
750.625	-80.80	-10.79	-50.84	-41.50	-20.54	-82.49	-144.53	53.22	-197.75	-110	-87.75
753.000	-80.87	-10.79	-50.84	-41.58	-21.43	-82.23	-145.24	53.22	-198.46	-110	-88.46
755.375	-81.39	-10.79	-50.87	-42.10	-22.24	-81.70	-146.03	53.22	-199.26	-110	-89.26
757.750	-81.49	-10.79	-50.85	-42.16	-23.26	-82.87	-148.29	53.22	-201.52	-110	-91.52
760.125	-81.57	-10.79	-50.90	-42.22	-23.90	-82.46	-148.58	53.22	-201.80	-110	-91.80
762.500	-81.68	-10.79	-50.83	-42.38	-24.67	-82.27	-149.33	53.22	-202.55	-110	-92.55
764.875	-81.92	-10.79	-50.81	-42.61	-25.11	-81.73	-149.44	53.22	-202.67	-110	-92.67
767.250	-81.85	-10.79	-50.84	-42.58	-25.50	-82.37	-150.45	53.22	-203.67	-110	-93.67
769.625	-81.93	-10.79	-50.72	-42.70	-25.98	-80.62	-149.30	53.22	-202.53	-110	-92.53
772.000	-82.39	-10.79	-50.77	-43.14	-26.29	-82.59	-152.02	53.22	-205.24	-110	-95.24
774.375	-82.31	-10.79	-50.84	-43.06	-26.56	-82.09	-151.71	53.22	-204.93	-110	-94.93
776.750	-82.19	-10.79	-50.74	-42.99	-27.20	-82.55	-152.74	53.22	-205.96	-110	-95.96
779.125	-82.49	-10.79	-50.79	-43.22	-27.70	-82.77	-153.68	53.22	-206.90	-110	-96.90
781.500	-82.59	-10.79	-50.72	-43.41	-28.38	-82.46	-154.24	53.22	-207.47	-110	-97.47
783.875	-82.30	-10.79	-50.75	-43.09	-29.53	-82.89	-155.50	53.22	-208.73	-110	-98.73
786.250	-81.90	-10.79	-50.79	-42.63	-30.34	-82.28	-155.26	53.22	-208.48	-110	-98.48
788.625	-81.83	-10.79	-50.75	-42.62	-31.12	-82.51	-156.25	53.22	-209.48	-110	-99.48
791.000	-81.67	-10.79	-50.68	-42.48	-32.38	-82.20	-157.05	53.22	-210.28	-110	-100.28
793.375	-81.37	-10.79	-50.88	-42.11	-33.17	-82.15	-157.42	53.22	-210.64	-110	-100.64
795.750	-81.20	-10.79	-50.81	-41.98	-33.88	-82.85	-158.71	53.22	-211.93	-110	-101.93
798.125	-81.13	-10.79	-50.81	-41.89	-34.81	-82.55	-159.25	53.22	-212.48	-110	-102.48
800.500	-80.82	-10.79	-50.83	-41.60	-35.29	-82.43	-159.32	53.22	-212.54	-110	-102.54
802.875	-80.70	-10.79	-50.81	-41.47	-35.76	-82.37	-159.60	53.22	-212.82	-110	-102.82
805.250	-80.52	-10.79	-50.86	-41.22	-36.26	-82.29	-159.77	53.22	-212.99	-110	-102.99
807.625	-80.57	-10.79	-50.79	-41.33	-36.58	-82.29	-160.20	53.22	-213.42	-110	-103.42
810.000	-80.42	-10.79	-50.81	-41.14	-36.76	-81.75	-159.64	53.22	-212.87	-110	-102.87

812.375	-80.36	-10.79	-50.77	-41.08	-36.99	-83.11	-161.18	53.22	-214.40	-110	-104.40
814.750	-80.16	-10.79	-50.84	-40.83	-37.21	-82.35	-160.39	53.22	-213.61	-110	-103.61
817.125	-80.40	-10.79	-50.66	-41.23	-37.39	-82.45	-161.07	53.22	-214.30	-110	-104.30
819.500	-80.85	-10.79	-50.72	-41.67	-37.80	-82.21	-161.68	53.22	-214.90	-110	-104.90
821.875	-81.46	-10.79	-50.75	-42.33	-38.22	-81.73	-162.27	53.22	-215.50	-110	-105.50
824.250	-82.16	-10.79	-50.63	-43.05	-38.75	-82.13	-163.93	53.22	-217.16	-110	-107.16
826.625	-82.92	-10.79	-50.74	-43.77	-39.64	-82.23	-165.65	53.22	-218.87	-110	-108.87
829.000	-83.28	-10.79	-50.77	-44.08	-40.38	-81.98	-166.43	53.22	-219.66	-110	-109.66
831.375	-84.32	-10.79	-50.86	-45.07	-41.15	-81.69	-167.90	53.22	-221.12	-110	-111.12
833.750	-84.07	-10.79	-50.83	-44.83	-42.28	-82.20	-169.30	53.22	-222.53	-110	-112.53
836.125	-83.61	-10.79	-50.74	-44.51	-43.05	-81.13	-168.68	53.22	-221.90	-110	-111.90
838.500	-83.81	-10.79	-50.76	-44.64	-44.04	-81.35	-170.04	53.22	-223.26	-110	-113.26
840.875	-83.50	-10.79	-50.73	-44.32	-44.49	-82.23	-171.04	53.22	-224.26	-110	-114.26
843.250	-82.94	-10.79	-50.86	-43.70	-44.99	-81.19	-169.87	53.22	-223.09	-110	-113.09
845.625	-82.73	-10.79	-50.85	-43.51	-45.55	-81.43	-170.50	53.22	-223.72	-110	-113.72
848.000	-82.51	-10.79	-50.86	-43.24	-45.85	-82.18	-171.27	53.22	-224.49	-110	-114.49
850.375	-82.03	-10.79	-50.78	-42.84	-46.04	-82.39	-171.27	53.22	-224.50	-110	-114.50
852.750	-81.86	-10.79	-50.79	-42.68	-46.33	-81.67	-170.68	53.22	-223.90	-110	-113.90
855.125	-81.88	-10.79	-50.79	-42.65	-46.37	-82.47	-171.48	53.22	-224.71	-110	-114.71
857.500	-81.67	-10.79	-50.79	-42.44	-46.45	-81.04	-169.94	53.22	-223.16	-110	-113.16
859.875	-81.70	-10.79	-50.78	-42.49	-46.61	-82.10	-171.19	53.22	-224.41	-110	-114.41
862.250	-82.00	-10.79	-50.78	-42.82	-46.79	-82.18	-171.79	53.22	-225.01	-110	-115.01
864.625	-82.21	-10.79	-50.70	-43.11	-47.09	-81.85	-172.05	53.22	-225.27	-110	-115.27
867.000	-82.24	-10.79	-50.74	-43.05	-47.74	-81.88	-172.67	53.22	-225.89	-110	-115.89
869.375	-82.51	-10.79	-50.79	-43.35	-48.39	-81.23	-172.96	53.22	-226.19	-110	-116.19
871.750	-82.46	-10.79	-50.71	-43.38	-49.03	-81.53	-173.94	53.22	-227.16	-110	-117.16
874.125	-82.73	-10.79	-50.72	-43.66	-50.20	-81.97	-175.83	53.22	-229.05	-110	-119.05
876.500	-83.18	-10.79	-50.70	-44.03	-50.90	-81.19	-176.12	53.22	-229.34	-110	-119.34
878.875	-83.38	-10.79	-50.81	-44.19	-51.57	-82.22	-177.99	53.22	-231.21	-110	-121.21
881.250	-83.75	-10.79	-50.79	-44.55	-52.49	-81.15	-178.19	53.22	-231.42	-110	-121.42
883.625	-83.91	-10.79	-50.85	-44.66	-53.12	-81.59	-179.37	53.22	-232.59	-110	-122.59
886.000	-83.65	-10.79	-50.81	-44.45	-53.65	-82.14	-180.25	53.22	-233.47	-110	-123.47
888.375	-83.14	-10.79	-50.77	-43.94	-53.82	-81.99	-179.75	53.22	-232.97	-110	-122.97
890.750	-82.80	-10.79	-50.91	-43.58	-54.05	-81.86	-179.49	53.22	-232.71	-110	-122.71
893.125	-82.86	-10.79	-50.77	-43.66	-54.24	-82.38	-180.28	53.22	-233.50	-110	-123.50
895.500	-83.13	-10.79	-50.93	-43.83	-54.29	-81.85	-179.96	53.22	-233.19	-110	-123.19
897.875	-83.00	-10.79	-50.78	-43.80	-54.39	-81.89	-180.08	53.22	-233.30	-110	-123.30
900.250	-83.35	-10.79	-50.74	-44.17	-54.54	-82.39	-181.10	53.22	-234.33	-110	-124.33
902.625	-82.87	-10.79	-50.85	-43.61	-54.72	-82.30	-180.63	53.22	-233.85	-110	-123.85
905.000	-82.29	-10.79	-50.80	-43.11	-54.82	-82.12	-180.05	53.22	-233.27	-110	-123.27

907.375	-81.71	-10.79	-50.75	-42.57	-55.52	-81.63	-179.71	53.22	-232.93	-110	-122.93
909.750	-81.22	-10.79	-50.78	-42.11	-56.05	-81.91	-180.07	53.22	-233.29	-110	-123.29
912.125	-80.49	-10.79	-50.73	-41.36	-56.64	-81.91	-179.91	53.22	-233.13	-110	-123.13
914.500	-79.53	-10.79	-50.80	-40.34	-57.60	-81.81	-179.75	53.22	-232.98	-110	-122.98
916.875	-78.81	-10.79	-50.69	-39.71	-58.22	-81.76	-179.69	53.22	-232.92	-110	-122.92
919.250	-77.90	-10.79	-50.67	-38.84	-58.92	-82.10	-179.86	53.22	-233.08	-110	-123.08
921.625	-77.20	-10.79	-50.60	-38.13	-59.61	-82.38	-180.12	53.22	-233.35	-110	-123.35
924.000	-76.60	-10.79	-50.74	-37.47	-60.06	-82.87	-180.39	53.22	-233.62	-110	-123.62
926.375	-75.60	-10.79	-50.67	-36.50	-60.26	-81.84	-178.59	53.22	-231.82	-110	-121.82
928.750	-75.01	-10.79	-50.69	-35.94	-60.74	-80.97	-177.65	53.22	-230.87	-110	-120.87
931.125	-74.38	-10.79	-50.81	-35.20	-61.00	-82.84	-179.04	53.22	-232.26	-110	-122.26
933.500	-73.69	-10.79	-50.79	-34.55	-61.27	-82.19	-178.01	53.22	-231.24	-110	-121.24
935.875	-73.19	-10.79	-50.85	-34.04	-61.23	-82.68	-177.95	53.22	-231.18	-110	-121.18
938.250	-72.63	-10.79	-50.87	-33.42	-61.33	-82.71	-177.45	53.22	-230.68	-110	-120.68
940.625	-72.09	-10.79	-50.74	-32.95	-61.45	-82.39	-176.79	53.22	-230.01	-110	-120.01
943.000	-71.78	-10.79	-50.82	-32.58	-61.60	-82.34	-176.52	53.22	-229.74	-110	-119.74
945.375	-71.27	-10.79	-50.75	-32.12	-61.77	-81.55	-175.45	53.22	-228.67	-110	-118.67
947.750	-71.07	-10.79	-50.72	-31.94	-62.25	-82.93	-177.12	53.22	-230.34	-110	-120.34
950.125	-70.85	-10.79	-50.77	-31.71	-62.57	-81.91	-176.20	53.22	-229.42	-110	-119.42
952.500	-70.60	-10.79	-50.70	-31.51	-63.01	-82.48	-177.00	53.22	-230.22	-110	-120.22
954.875	-70.59	-10.79	-50.81	-31.46	-64.31	-82.60	-178.36	53.22	-231.58	-110	-121.58
957.250	-70.76	-10.79	-50.71	-31.66	-64.53	-83.39	-179.58	53.22	-232.80	-110	-122.80
959.625	-70.61	-10.79	-50.66	-31.57	-65.31	-82.08	-178.96	53.22	-232.18	-110	-122.18
962.000	-70.72	-10.79	-50.75	-31.59	-65.89	-81.24	-178.71	53.22	-231.93	-110	-121.93
964.375	-71.01	-10.79	-50.71	-31.90	-66.14	-82.66	-180.70	53.22	-233.92	-110	-123.92
966.750	-71.32	-10.79	-50.67	-32.20	-66.63	-82.43	-181.26	53.22	-234.49	-110	-124.49
969.125	-71.98	-10.79	-50.81	-32.83	-67.24	-82.23	-182.30	53.22	-235.52	-110	-125.52
971.500	-72.72	-10.79	-50.73	-33.60	-67.30	-80.97	-181.87	53.22	-235.10	-110	-125.10
973.875	-73.63	-10.79	-50.81	-34.47	-67.23	-81.29	-182.98	53.22	-236.21	-110	-126.21
976.250	-74.68	-10.79	-50.92	-35.46	-67.62	-81.62	-184.70	53.22	-237.92	-110	-127.92
978.625	-75.35	-10.79	-50.88	-36.19	-67.79	-81.88	-185.85	53.22	-239.08	-110	-129.08
981.000	-75.62	-10.79	-50.97	-36.38	-67.25	-81.96	-185.59	53.22	-238.81	-110	-128.81
983.375	-75.06	-10.79	-50.84	-35.88	-67.42	-82.63	-185.93	53.22	-239.15	-110	-129.15
985.750	-73.98	-10.79	-50.81	-34.83	-68.01	-82.25	-185.09	53.22	-238.32	-110	-128.32
988.125	-72.96	-10.79	-50.83	-33.77	-67.67	-82.15	-183.59	53.22	-236.81	-110	-126.81
990.500	-71.42	-10.79	-50.67	-32.37	-68.20	-82.55	-183.12	53.22	-236.34	-110	-126.34
992.875	-70.09	-10.79	-50.60	-31.07	-68.34	-82.15	-181.57	53.22	-234.79	-110	-124.79
995.250	-69.08	-10.79	-50.67	-30.02	-69.08	-82.78	-181.88	53.22	-235.10	-110	-125.10
997.625	-68.15	-10.79	-50.60	-29.17	-69.46	-82.28	-180.90	53.22	-234.13	-110	-124.13
1000.000	-67.20	-10.79	-50.64	-28.18	-70.30	-80.14	-178.62	53.22	-231.84	-110	-121.84

Table 3
1000 – 6000 MHz_ATSC 3.0

Freq	1	2	3	4	5	6	7	8	9	Limit	Margin
MHz	dBm	dB	dB	dBm	dB	dB	dB	dBm	dBm	dBc	dB
1000	-64.17	-10.79	-50.52	-25.21	-69.18	-80.34	-174.73	53.22	-227.95	-110	-117.95
1012.5	-62.37	-10.79	-50.71	-23.30	-81.05	-80.32	-184.67	53.22	-237.89	-110	-127.89
1025	-64.05	-10.79	-50.81	-24.98	-72.08	-80.32	-177.38	53.22	-230.60	-110	-120.60
1037.5	-70.15	-10.79	-50.70	-31.05	-72.46	-80.42	-183.93	53.22	-237.15	-110	-127.15
1050	-78.47	-10.79	-50.58	-39.53	-77.54	-80.38	-197.45	53.22	-250.67	-110	-140.67
1062.5	-78.46	-10.79	-50.80	-39.40	-78.64	-80.15	-198.19	53.22	-251.41	-110	-141.41
1075	-69.79	-10.79	-50.77	-30.75	-79.13	-73.60	-183.47	53.22	-236.69	-110	-126.69
1087.5	-48.29	-10.79	-50.67	-9.23	-79.25	-80.08	-168.56	53.22	-221.78	-110	-111.78
1100	-26.53	-10.79	-50.64	12.34	-80.37	-80.21	-148.24	53.22	-201.46	-110	-91.46
1112.5	-32.80	-10.79	-50.76	6.18	-80.50	-79.53	-153.84	53.22	-207.07	-110	-97.07
1125	-62.68	-10.79	-50.82	-23.56	-78.87	-80.33	-182.76	53.22	-235.98	-110	-125.98
1137.5	-75.95	-10.79	-50.60	-37.09	-80.77	-79.85	-197.71	53.22	-250.93	-110	-140.93
1150	-81.17	-10.79	-50.79	-42.17	-80.96	-79.18	-202.30	53.22	-255.52	-110	-145.52
1162.5	-77.28	-10.79	-50.77	-38.28	-80.83	-79.05	-198.16	53.22	-251.38	-110	-141.38
1175	-75.16	-10.79	-50.69	-36.15	-79.97	-80.03	-196.16	53.22	-249.38	-110	-139.38
1187.5	-72.53	-10.79	-50.70	-33.59	-80.01	-80.32	-193.92	53.22	-247.15	-110	-137.15
1200	-73.51	-10.79	-50.86	-34.47	-80.47	-80.57	-195.52	53.22	-248.74	-110	-138.74
1212.5	-81.04	-10.79	-50.83	-42.00	-79.94	-80.59	-202.53	53.22	-255.75	-110	-145.75
1225	-84.22	-10.79	-50.80	-45.18	-80.38	-79.98	-205.54	53.22	-258.76	-110	-148.76
1237.5	-83.92	-10.79	-50.55	-45.06	-80.38	-79.78	-205.21	53.22	-258.43	-110	-148.43
1250	-83.35	-10.79	-50.77	-44.37	-80.35	-79.61	-204.32	53.22	-257.55	-110	-147.55
1262.5	-85.15	-10.79	-50.78	-46.16	-79.89	-79.75	-205.81	53.22	-259.03	-110	-149.03
1275	-85.87	-10.79	-50.52	-47.11	-80.58	-79.71	-207.40	53.22	-260.62	-110	-150.62
1287.5	-84.33	-10.79	-50.70	-45.40	-80.40	-79.68	-205.48	53.22	-258.70	-110	-148.70
1300	-83.81	-10.79	-50.74	-44.89	-80.22	-79.75	-204.86	53.22	-258.08	-110	-148.08
1312.5	-87.20	-10.79	-50.68	-48.30	-79.70	-79.85	-207.85	53.22	-261.07	-110	-151.07
1325	-90.04	-10.79	-50.51	-51.24	-80.41	-67.62	-199.28	53.22	-252.50	-110	-142.50
1337.5	-90.43	-10.79	-50.78	-51.58	-80.30	-75.68	-207.55	53.22	-260.78	-110	-150.78
1350	-90.54	-10.79	-50.78	-51.56	-80.40	-58.16	-190.12	53.22	-243.35	-110	-133.35
1362.5	-89.02	-10.79	-50.48	-50.28	-79.96	-79.84	-210.09	53.22	-263.31	-110	-153.31
1375	-87.88	-10.79	-50.60	-49.13	-79.99	-78.70	-207.82	53.22	-261.05	-110	-151.05
1387.5	-88.06	-10.79	-50.66	-49.23	-80.18	-75.88	-205.29	53.22	-258.51	-110	-148.51
1400	-89.77	-10.79	-50.49	-51.11	-80.87	-61.83	-193.82	53.22	-247.04	-110	-137.04
1412.5	-91.04	-10.79	-50.43	-52.46	-80.55	-50.40	-183.41	53.22	-236.63	-110	-126.63
1425	-89.41	-10.79	-50.55	-50.69	-80.07	-54.98	-185.74	53.22	-238.96	-110	-128.96
1437.5	-87.45	-10.79	-50.60	-48.71	-79.90	-37.64	-166.26	53.22	-219.48	-110	-109.48

1450	-89.13	-10.79	-50.37	-50.57	-79.91	-64.26	-194.74	53.22	-247.96	-110	-137.96
1462.5	-89.39	-10.79	-50.49	-50.86	-79.94	-67.45	-198.26	53.22	-251.48	-110	-141.48
1475	-89.04	-10.79	-50.43	-50.47	-80.37	-59.94	-190.78	53.22	-244.01	-110	-134.01
1487.5	-88.94	-10.79	-50.67	-50.15	-79.52	-42.26	-171.93	53.22	-225.16	-110	-115.16
1500	-89.05	-10.79	-50.18	-50.73	-79.64	-66.83	-197.20	53.22	-250.42	-110	-140.42
1512.5	-89.31	-10.79	-50.33	-50.81	-80.47	-72.60	-203.89	53.22	-257.11	-110	-147.11
1525	-87.27	-10.79	-50.48	-48.72	-80.20	-74.84	-203.76	53.22	-256.99	-110	-146.99
1537.5	-84.07	-10.79	-50.61	-45.42	-80.06	-71.76	-197.24	53.22	-250.47	-110	-140.47
1550	-80.19	-10.79	-50.02	-41.94	-79.44	-67.15	-188.54	53.22	-241.76	-110	-131.76
1562.5	-79.03	-10.79	-50.42	-40.59	-79.82	-45.83	-166.24	53.22	-219.46	-110	-109.46
1575	-81.40	-10.79	-50.33	-42.99	-79.97	-61.43	-184.39	53.22	-237.61	-110	-127.61
1587.5	-83.05	-10.79	-50.11	-44.85	-80.20	-53.42	-178.48	53.22	-231.70	-110	-121.70
1600	-83.11	-10.79	-50.13	-44.77	-79.94	-52.73	-177.44	53.22	-230.66	-110	-120.66
1612.5	-81.70	-10.79	-50.38	-43.37	-80.44	-66.61	-190.41	53.22	-243.64	-110	-133.64
1625	-72.76	-10.79	-50.34	-34.40	-79.93	-66.85	-181.18	53.22	-234.41	-110	-124.41
1637.5	-48.75	-10.79	-49.98	-10.63	-79.36	-64.75	-154.73	53.22	-207.96	-110	-97.96
1650	-32.41	-10.79	-50.09	5.75	-79.87	-49.59	-123.72	53.22	-176.94	-110	-66.94
1662.5	-36.44	-10.79	-50.17	1.79	-79.56	-63.13	-140.90	53.22	-194.12	-110	-84.12
1675	-65.85	-10.79	-49.95	-27.79	-79.74	-59.84	-167.37	53.22	-220.59	-110	-110.59
1687.5	-77.07	-10.79	-49.92	-39.06	-80.06	-56.05	-175.17	53.22	-228.39	-110	-118.39
1700	-81.82	-10.79	-50.05	-43.79	-80.21	-79.65	-203.65	53.22	-256.87	-110	-146.87
1712.5	-82.89	-10.79	-50.01	-44.86	-79.18	-79.00	-203.04	53.22	-256.26	-110	-146.26
1725	-84.46	-10.79	-49.73	-46.69	-79.53	-79.51	-205.73	53.22	-258.96	-110	-148.96
1737.5	-85.11	-10.79	-49.84	-47.28	-79.70	-79.79	-206.77	53.22	-259.99	-110	-149.99
1750	-85.84	-10.79	-50.04	-47.85	-79.76	-79.82	-207.43	53.22	-260.65	-110	-150.65
1762.5	-85.69	-10.79	-49.70	-48.01	-79.79	-79.62	-207.43	53.22	-260.65	-110	-150.65
1775	-85.49	-10.79	-49.79	-47.68	-79.47	-78.95	-206.10	53.22	-259.32	-110	-149.32
1787.5	-85.85	-10.79	-49.74	-48.06	-78.66	-79.03	-205.74	53.22	-258.97	-110	-148.97
1800	-87.17	-10.79	-49.92	-49.37	-79.55	-79.42	-208.34	53.22	-261.56	-110	-151.56
1812.5	-88.20	-10.79	-49.58	-50.59	-78.57	-78.87	-208.03	53.22	-261.26	-110	-151.26
1825	-88.68	-10.79	-49.70	-50.97	-79.66	-77.74	-208.36	53.22	-261.59	-110	-151.59
1837.5	-88.43	-10.79	-49.95	-50.56	-79.59	-79.02	-209.17	53.22	-262.40	-110	-152.40
1850	-88.71	-10.79	-49.90	-51.06	-79.67	-78.91	-209.64	53.22	-262.86	-110	-152.86
1862.5	-88.47	-10.79	-49.62	-50.85	-78.67	-79.08	-208.60	53.22	-261.82	-110	-151.82
1875	-88.34	-10.79	-49.77	-50.56	-79.75	-69.96	-200.27	53.22	-253.49	-110	-143.49
1887.5	-88.23	-10.79	-49.90	-50.39	-79.71	-78.92	-209.02	53.22	-262.24	-110	-152.24
1900	-88.16	-10.79	-49.75	-50.49	-78.37	-79.28	-208.14	53.22	-261.36	-110	-151.36
1912.5	-88.37	-10.79	-49.49	-50.94	-78.82	-78.94	-208.70	53.22	-261.92	-110	-151.92
1925	-87.87	-10.79	-49.81	-50.20	-79.04	-46.03	-175.27	53.22	-228.49	-110	-118.49
1937.5	-87.69	-10.79	-49.59	-50.09	-79.61	-38.66	-168.37	53.22	-221.59	-110	-111.59

1950	-87.52	-10.79	-49.37	-50.20	-79.31	-38.30	-167.81	53.22	-221.04	-110	-111.04
1962.5	-86.89	-10.79	-49.28	-49.63	-79.59	-60.94	-190.17	53.22	-243.39	-110	-133.39
1975	-86.27	-10.79	-49.26	-48.99	-79.23	-58.31	-186.54	53.22	-239.76	-110	-129.76
1987.5	-86.81	-10.79	-49.25	-49.66	-78.91	-73.64	-202.22	53.22	-255.44	-110	-145.44
2000	-86.14	-10.79	-46.55	-51.66	-79.41	-60.42	-191.49	53.22	-244.72	-110	-134.72
2012.5	-85.17	-10.79	-48.95	-48.24	-79.38	-40.26	-167.88	53.22	-221.10	-110	-111.10
2025	-84.21	-10.79	-48.81	-47.46	-79.44	-51.18	-178.08	53.22	-231.30	-110	-121.30
2037.5	-83.62	-10.79	-48.90	-46.89	-79.12	-79.01	-205.02	53.22	-258.24	-110	-148.24
2050	-82.63	-10.79	-48.94	-45.87	-78.93	-78.76	-203.55	53.22	-256.78	-110	-146.78
2062.5	-82.79	-10.79	-48.61	-46.28	-78.53	-78.11	-202.92	53.22	-256.14	-110	-146.14
2075	-84.17	-10.79	-48.65	-47.67	-78.75	-78.55	-204.97	53.22	-258.20	-110	-148.20
2087.5	-81.60	-10.79	-48.52	-45.13	-79.00	-78.05	-202.18	53.22	-255.40	-110	-145.40
2100	-77.80	-10.79	-48.37	-41.51	-78.78	-78.35	-198.63	53.22	-251.86	-110	-141.86
2112.5	-77.17	-10.79	-48.54	-40.73	-78.60	-78.30	-197.63	53.22	-250.85	-110	-140.85
2125	-77.64	-10.79	-48.26	-41.41	-79.28	-74.97	-195.66	53.22	-248.88	-110	-138.88
2137.5	-76.88	-10.79	-48.47	-40.62	-77.85	-69.13	-187.59	53.22	-240.81	-110	-130.81
2150	-73.96	-10.79	-48.14	-37.94	-78.90	-78.69	-195.53	53.22	-248.75	-110	-138.75
2162.5	-73.69	-10.79	-48.17	-37.70	-79.05	-77.59	-194.35	53.22	-247.57	-110	-137.57
2175	-72.59	-10.79	-48.31	-36.38	-79.19	-49.91	-165.48	53.22	-218.70	-110	-108.70
2187.5	-54.74	-10.79	-48.14	-18.77	-78.89	-77.68	-175.34	53.22	-228.56	-110	-118.56
2200	-42.79	-10.79	-48.15	-6.90	-79.36	-78.88	-165.14	53.22	-218.36	-110	-108.36
2212.5	-45.74	-10.79	-47.92	-9.95	-78.70	-78.59	-167.24	53.22	-220.46	-110	-110.46
2225	-71.91	-10.79	-47.96	-36.08	-79.09	-44.90	-160.07	53.22	-213.30	-110	-103.30
2237.5	-83.81	-10.79	-47.95	-47.99	-79.13	-71.36	-198.48	53.22	-251.70	-110	-141.70
2250	-87.67	-10.79	-47.74	-52.10	-78.27	-72.66	-203.03	53.22	-256.25	-110	-146.25
2262.5	-88.08	-10.79	-47.78	-52.54	-78.56	-46.10	-177.20	53.22	-230.42	-110	-120.42
2275	-86.73	-10.79	-47.87	-51.01	-78.92	-51.61	-181.54	53.22	-234.76	-110	-124.76
2287.5	-84.25	-10.79	-47.93	-48.55	-79.16	-78.39	-206.10	53.22	-259.32	-110	-149.32
2300	-85.15	-10.79	-47.62	-49.72	-78.34	-78.67	-206.73	53.22	-259.95	-110	-149.95
2312.5	-86.34	-10.79	-47.76	-50.82	-79.31	-78.61	-208.75	53.22	-261.97	-110	-151.97
2325	-86.69	-10.79	-47.85	-51.02	-78.57	-78.52	-208.11	53.22	-261.33	-110	-151.33
2337.5	-87.98	-10.79	-47.96	-52.14	-78.96	-77.69	-208.79	53.22	-262.01	-110	-152.01
2350	-88.92	-10.79	-47.81	-53.29	-78.63	-77.67	-209.59	53.22	-262.81	-110	-152.81
2362.5	-88.82	-10.79	-47.87	-53.19	-78.16	-78.63	-209.98	53.22	-263.20	-110	-153.20
2375	-88.85	-10.79	-47.83	-53.18	-78.63	-78.25	-210.06	53.22	-263.28	-110	-153.28
2387.5	-89.09	-10.79	-47.94	-53.32	-78.38	-78.54	-210.23	53.22	-263.45	-110	-153.45
2400	-89.47	-10.79	-47.83	-53.83	-78.43	-78.70	-210.95	53.22	-264.17	-110	-154.17
2412.5	-89.49	-10.79	-47.63	-54.08	-78.47	-78.07	-210.62	53.22	-263.84	-110	-153.84
2425	-89.82	-10.79	-47.74	-54.26	-78.30	-77.65	-210.22	53.22	-263.44	-110	-153.44
2437.5	-89.83	-10.79	-47.68	-54.38	-78.65	-51.65	-184.68	53.22	-237.90	-110	-127.90

2450	-89.70	-10.79	-47.79	-54.11	-78.09	-32.83	-165.04	53.22	-218.26	-110	-108.26
2462.5	-90.06	-10.79	-47.63	-54.61	-78.70	-39.20	-172.51	53.22	-225.73	-110	-115.73
2475	-89.40	-10.79	-47.56	-54.12	-77.89	-64.21	-196.21	53.22	-249.43	-110	-139.43
2487.5	-89.82	-10.79	-47.56	-54.51	-77.61	-68.17	-200.28	53.22	-253.51	-110	-143.51
2500	-89.64	-10.79	-47.42	-54.41	-77.72	-76.23	-208.36	53.22	-261.58	-110	-151.58
2512.5	-89.67	-10.79	-47.46	-54.42	-77.64	-74.61	-206.68	53.22	-259.90	-110	-149.90
2525	-89.42	-10.79	-47.15	-54.52	-77.63	-72.58	-204.73	53.22	-257.95	-110	-147.95
2537.5	-89.32	-10.79	-47.26	-54.43	-77.74	-71.67	-203.83	53.22	-257.06	-110	-147.06
2550	-88.74	-10.79	-47.31	-53.66	-77.61	-69.53	-200.80	53.22	-254.02	-110	-144.02
2562.5	-86.58	-10.79	-47.32	-51.51	-77.31	-56.69	-185.52	53.22	-238.74	-110	-128.74
2575	-86.56	-10.79	-47.07	-51.69	-77.29	-36.60	-165.58	53.22	-218.80	-110	-108.80
2587.5	-86.16	-10.79	-46.90	-51.52	-77.43	-47.83	-176.77	53.22	-229.99	-110	-119.99
2600	-85.47	-10.79	-46.90	-50.84	-77.73	-36.57	-165.14	53.22	-218.36	-110	-108.36
2612.5	-85.81	-10.79	-47.05	-51.00	-78.40	-45.35	-174.75	53.22	-227.97	-110	-117.97
2625	-84.58	-10.79	-47.02	-49.87	-78.31	-64.92	-193.10	53.22	-246.32	-110	-136.32
2637.5	-82.55	-10.79	-46.80	-48.03	-78.06	-67.00	-193.09	53.22	-246.31	-110	-136.31
2650	-83.35	-10.79	-46.64	-49.00	-78.04	-66.21	-193.25	53.22	-246.47	-110	-136.47
2662.5	-82.31	-10.79	-46.70	-47.91	-77.53	-56.52	-181.97	53.22	-235.19	-110	-125.19
2675	-81.56	-10.79	-44.30	-49.54	-77.55	-37.85	-164.95	53.22	-218.17	-110	-108.17
2687.5	-81.95	-10.79	-46.62	-47.59	-77.45	-47.23	-172.27	53.22	-225.49	-110	-115.49
2700	-82.59	-10.79	-46.45	-48.42	-78.16	-38.00	-164.58	53.22	-217.80	-110	-107.80
2712.5	-80.92	-10.79	-46.53	-46.76	-77.94	-45.52	-170.22	53.22	-223.44	-110	-113.44
2725	-77.14	-10.79	-46.58	-42.87	-77.83	-75.21	-195.91	53.22	-249.14	-110	-139.14
2737.5	-59.77	-10.79	-46.57	-25.42	-77.85	-74.60	-177.87	53.22	-231.09	-110	-121.09
2750	-44.50	-10.79	-46.28	-10.58	-76.33	-74.56	-161.47	53.22	-214.69	-110	-104.69
2762.5	-45.66	-10.79	-46.21	-11.90	-77.44	-71.78	-161.13	53.22	-214.35	-110	-104.35
2775	-63.38	-10.79	-46.59	-29.17	-77.45	-53.57	-160.19	53.22	-213.41	-110	-103.41
2787.5	-74.32	-10.79	-46.42	-40.18	-77.37	-35.54	-153.10	53.22	-206.32	-110	-96.32
2800	-78.69	-10.79	-46.41	-44.61	-74.21	-69.86	-188.67	53.22	-241.90	-110	-131.90
2812.5	-84.24	-10.79	-45.89	-50.73	-72.42	-42.13	-165.28	53.22	-218.50	-110	-108.50
2825	-87.07	-10.79	-46.12	-53.30	-76.18	-33.12	-162.60	53.22	-215.82	-110	-105.82
2837.5	-87.29	-10.79	-46.43	-53.21	-76.67	-41.05	-170.93	53.22	-224.16	-110	-114.16
2850	-88.38	-10.79	-45.88	-54.76	-76.39	-46.24	-177.40	53.22	-230.62	-110	-120.62
2862.5	-88.91	-10.79	-45.91	-55.38	-74.76	-61.44	-191.58	53.22	-244.80	-110	-134.80
2875	-89.38	-10.79	-46.02	-55.82	-74.62	-68.02	-198.46	53.22	-251.69	-110	-141.69
2887.5	-90.68	-10.79	-46.08	-56.92	-70.99	-65.63	-193.54	53.22	-246.77	-110	-136.77
2900	-91.14	-10.79	-45.99	-57.49	-69.91	-72.16	-199.57	53.22	-252.79	-110	-142.79
2912.5	-91.31	-10.79	-45.62	-58.02	-67.55	-72.10	-197.67	53.22	-250.89	-110	-140.89
2925	-91.43	-10.79	-45.51	-58.18	-62.54	-71.31	-192.03	53.22	-245.25	-110	-135.25
2937.5	-91.43	-10.79	-45.78	-58.03	-57.75	-63.31	-179.10	53.22	-232.32	-110	-122.32

2950	-91.52	-10.79	-45.91	-58.00	-50.66	-44.25	-152.91	53.22	-206.13	-110	-96.13
2962.5	-91.25	-10.79	-45.66	-57.93	-39.03	-70.19	-167.14	53.22	-220.37	-110	-110.37
2975	-91.23	-10.79	-45.46	-58.11	-20.31	-31.57	-109.99	53.22	-163.21	-110	-53.21
2987.5	-90.96	-10.79	-45.61	-57.74	-38.34	-32.93	-129.00	53.22	-182.22	-110	-72.22
3000	-91.43	-10.79	-45.71	-58.07	-40.38	-61.08	-159.53	53.22	-212.75	-110	-102.75
3012.5	-90.46	-10.79	-45.63	-57.19	-23.93	-70.93	-152.05	53.22	-205.27	-110	-95.27
3025	-91.19	-10.79	-45.47	-58.08	-16.94	-58.41	-133.44	53.22	-186.66	-110	-76.66
3037.5	-90.77	-10.79	-45.50	-57.69	-44.33	-30.64	-132.66	53.22	-185.88	-110	-75.88
3050	-90.25	-10.79	-45.44	-57.14	-49.35	-44.91	-151.40	53.22	-204.62	-110	-94.62
3062.5	-90.88	-10.79	-45.62	-57.65	-54.23	-29.23	-141.11	53.22	-194.33	-110	-84.33
3075	-90.50	-10.79	-45.50	-57.40	-58.12	-30.18	-145.70	53.22	-198.92	-110	-88.92
3087.5	-90.31	-10.79	-45.44	-57.30	-58.51	-61.48	-177.29	53.22	-230.51	-110	-120.51
3100	-90.51	-10.79	-45.39	-57.50	-60.74	-33.38	-151.63	53.22	-204.85	-110	-94.85
3112.5	-89.10	-10.79	-45.51	-56.01	-60.82	-65.95	-182.78	53.22	-236.00	-110	-126.00
3125	-84.66	-10.79	-45.62	-51.46	-60.91	-75.16	-187.53	53.22	-240.75	-110	-130.75
3137.5	-88.07	-10.79	-45.30	-55.11	-59.61	-75.79	-190.51	53.22	-243.73	-110	-133.73
3150	-90.34	-10.79	-45.01	-57.62	-59.16	-74.87	-191.65	53.22	-244.87	-110	-134.87
3162.5	-90.42	-10.79	-45.77	-57.21	-58.86	-75.59	-191.66	53.22	-244.88	-110	-134.88
3175	-90.16	-10.79	-45.87	-56.71	-58.74	-44.46	-159.92	53.22	-213.14	-110	-103.14
3187.5	-89.63	-10.79	-45.72	-56.42	-57.63	-65.50	-179.55	53.22	-232.77	-110	-122.77
3200	-89.55	-10.79	-44.96	-57.02	-57.27	-76.25	-190.53	53.22	-243.75	-110	-133.75
3212.5	-89.97	-10.79	-45.32	-57.10	-56.40	-76.10	-189.60	53.22	-242.82	-110	-132.82
3225	-89.52	-10.79	-46.00	-56.05	-54.61	-75.59	-186.26	53.22	-239.48	-110	-129.48
3237.5	-90.16	-10.79	-45.61	-56.99	-54.27	-43.84	-155.10	53.22	-208.32	-110	-98.32
3250	-90.56	-10.79	-45.13	-57.87	-54.10	-76.28	-188.24	53.22	-241.46	-110	-131.46
3262.5	-90.02	-10.79	-45.13	-57.38	-49.92	-76.23	-183.53	53.22	-236.75	-110	-126.75
3275	-88.02	-10.79	-45.72	-54.72	-49.00	-75.73	-179.46	53.22	-232.68	-110	-122.68
3287.5	-70.95	-10.79	-45.10	-38.14	-48.06	-76.02	-162.21	53.22	-215.43	-110	-105.43
3300	-56.79	-10.79	-45.23	-23.98	-44.71	-76.61	-145.30	53.22	-198.53	-110	-88.53
3312.5	-57.30	-10.79	-45.05	-24.68	-39.63	-54.30	-118.61	53.22	-171.84	-110	-61.84
3325	-70.92	-10.79	-45.45	-37.85	-36.43	-74.46	-148.73	53.22	-201.96	-110	-91.96
3337.5	-87.43	-10.79	-45.40	-54.46	-31.76	-72.19	-158.42	53.22	-211.64	-110	-101.64
3350	-90.64	-10.79	-45.13	-57.83	-26.46	-74.62	-158.91	53.22	-212.13	-110	-102.13
3362.5	-91.01	-10.79	-45.25	-58.18	-14.06	-50.85	-123.08	53.22	-176.31	-110	-66.31
3375	-90.57	-10.79	-45.50	-57.59	-2.94	-64.60	-125.13	53.22	-178.35	-110	-68.35
3387.5	-90.96	-10.79	-45.39	-58.07	-2.50	-69.51	-130.08	53.22	-183.30	-110	-73.30
3400	-90.78	-10.79	-45.37	-57.87	-15.37	-42.24	-115.48	53.22	-168.70	-110	-58.70
3412.5	-91.06	-10.79	-45.54	-57.97	-21.18	-27.31	-106.46	53.22	-159.68	-110	-49.68
3425	-91.29	-10.79	-45.37	-58.43	-25.95	-38.77	-123.15	53.22	-176.38	-110	-66.38
3437.5	-91.22	-10.79	-45.33	-58.42	-28.87	-40.75	-128.05	53.22	-181.27	-110	-71.27

3450	-91.71	-10.79	-45.53	-58.72	-30.49	-47.22	-136.43	53.22	-189.65	-110	-79.65
3462.5	-91.37	-10.79	-45.60	-58.31	-26.56	-36.17	-121.04	53.22	-174.26	-110	-64.26
3475	-90.98	-10.79	-45.31	-58.20	-13.40	-32.51	-104.11	53.22	-157.33	-110	-47.33
3487.5	-91.23	-10.79	-45.24	-58.51	-18.42	-69.41	-146.35	53.22	-199.57	-110	-89.57
3500	-91.58	-10.79	-45.44	-58.66	-35.45	-71.22	-165.33	53.22	-218.55	-110	-108.55
3512.5	-91.56	-10.79	-45.77	-58.31	-42.09	-74.92	-175.32	53.22	-228.54	-110	-118.54
3525	-91.03	-10.79	-45.41	-58.13	-44.62	-76.43	-179.18	53.22	-232.40	-110	-122.40
3537.5	-91.22	-10.79	-45.27	-58.48	-50.04	-76.88	-185.40	53.22	-238.62	-110	-128.62
3550	-91.46	-10.79	-45.43	-58.58	-50.87	-68.28	-177.73	53.22	-230.95	-110	-120.95
3562.5	-91.28	-10.79	-45.73	-58.03	-54.20	-67.26	-179.48	53.22	-232.71	-110	-122.71
3575	-91.29	-10.79	-45.69	-58.16	-55.33	-76.55	-190.04	53.22	-243.26	-110	-133.26
3587.5	-90.80	-10.79	-45.46	-57.86	-56.68	-76.38	-190.92	53.22	-244.14	-110	-134.14
3600	-89.87	-10.79	-45.60	-56.80	-60.59	-70.30	-187.70	53.22	-240.92	-110	-130.92
3612.5	-90.23	-10.79	-45.77	-57.06	-61.63	-75.59	-194.28	53.22	-247.50	-110	-137.50
3625	-90.42	-10.79	-45.99	-56.99	-60.97	-71.85	-189.81	53.22	-243.03	-110	-133.03
3637.5	-90.13	-10.79	-45.58	-57.11	-62.24	-64.14	-183.48	53.22	-236.71	-110	-126.71
3650	-90.59	-10.79	-45.67	-57.46	-63.45	-64.86	-185.78	53.22	-239.00	-110	-129.00
3662.5	-91.08	-10.79	-46.14	-57.50	-64.68	-76.59	-198.76	53.22	-251.99	-110	-141.99
3675	-91.14	-10.79	-46.24	-57.45	-65.63	-63.98	-187.06	53.22	-240.28	-110	-130.28
3687.5	-91.39	-10.79	-46.04	-57.93	-65.36	-39.24	-162.54	53.22	-215.76	-110	-105.76
3700	-91.48	-10.79	-45.77	-58.32	-65.28	-64.38	-187.98	53.22	-241.20	-110	-131.20
3712.5	-91.57	-10.79	-46.09	-58.05	-66.31	-53.83	-178.19	53.22	-231.41	-110	-121.41
3725	-91.71	-10.79	-46.32	-57.94	-67.44	-75.36	-200.73	53.22	-253.96	-110	-143.96
3737.5	-91.73	-10.79	-46.49	-57.86	-66.89	-53.82	-178.56	53.22	-231.78	-110	-121.78
3750	-91.45	-10.79	-46.00	-58.01	-66.99	-47.99	-172.98	53.22	-226.21	-110	-116.21
3762.5	-91.51	-10.79	-46.08	-58.04	-67.24	-69.28	-194.56	53.22	-247.78	-110	-137.78
3775	-91.60	-10.79	-46.59	-57.62	-68.93	-53.77	-180.32	53.22	-233.54	-110	-123.54
3787.5	-91.14	-10.79	-46.49	-57.28	-69.06	-58.41	-184.75	53.22	-237.97	-110	-127.97
3800	-91.45	-10.79	-46.41	-57.60	-70.93	-30.36	-158.89	53.22	-212.11	-110	-102.11
3812.5	-90.94	-10.79	-46.36	-57.14	-69.82	-32.83	-159.78	53.22	-213.01	-110	-103.01
3825	-90.84	-10.79	-46.44	-57.05	-70.15	-35.86	-163.06	53.22	-216.28	-110	-106.28
3837.5	-86.92	-10.79	-46.70	-52.82	-71.43	-31.67	-155.92	53.22	-209.15	-110	-99.15
3850	-78.94	-10.79	-47.01	-44.66	-71.49	-43.52	-159.68	53.22	-212.90	-110	-102.90
3862.5	-81.74	-10.79	-46.90	-47.52	-71.08	-42.22	-160.82	53.22	-214.04	-110	-104.04
3875	-90.06	-10.79	-46.54	-56.18	-70.62	-62.66	-189.45	53.22	-242.67	-110	-132.67
3887.5	-89.61	-10.79	-46.77	-55.51	-73.77	-75.29	-204.58	53.22	-257.80	-110	-147.80
3900	-89.27	-10.79	-47.27	-54.67	-73.09	-73.20	-200.95	53.22	-254.18	-110	-144.18
3912.5	-89.36	-10.79	-46.79	-55.24	-70.75	-47.83	-173.82	53.22	-227.04	-110	-117.04
3925	-89.75	-10.79	-46.83	-55.60	-74.02	-43.14	-172.75	53.22	-225.97	-110	-115.97
3937.5	-88.99	-10.79	-46.80	-54.85	-70.95	-44.88	-170.68	53.22	-223.90	-110	-113.90

3950	-89.27	-10.79	-47.67	-54.25	-70.92	-61.65	-186.82	53.22	-240.05	-110	-130.05
3962.5	-89.70	-10.79	-47.39	-54.96	-69.56	-56.86	-181.38	53.22	-234.61	-110	-124.61
3975	-89.96	-10.79	-47.08	-55.53	-70.28	-27.89	-153.70	53.22	-206.92	-110	-96.92
3987.5	-90.02	-10.79	-47.18	-55.50	-70.69	-33.04	-159.24	53.22	-212.46	-110	-102.46
4000	-90.12	-10.79	-47.94	-54.89	-69.42	-41.79	-166.09	53.22	-219.31	-110	-109.31
4012.5	-90.65	-10.79	-47.90	-55.46	-70.00	-29.03	-154.50	53.22	-207.72	-110	-97.72
4025	-90.97	-10.79	-47.47	-56.15	-68.44	-33.33	-157.91	53.22	-211.13	-110	-101.13
4037.5	-91.44	-10.79	-47.87	-56.22	-68.34	-49.13	-173.69	53.22	-226.91	-110	-116.91
4050	-91.72	-10.79	-47.98	-56.42	-67.77	-34.61	-158.80	53.22	-212.02	-110	-102.02
4062.5	-92.17	-10.79	-48.18	-56.64	-65.65	-43.08	-165.37	53.22	-218.60	-110	-108.60
4075	-92.33	-10.79	-48.23	-56.86	-64.44	-31.98	-153.28	53.22	-206.50	-110	-96.50
4087.5	-92.45	-10.79	-48.07	-57.03	-62.65	-28.63	-148.31	53.22	-201.53	-110	-91.53
4100	-92.80	-10.79	-48.43	-57.03	-61.34	-55.51	-173.88	53.22	-227.10	-110	-117.10
4112.5	-92.94	-10.79	-48.54	-57.11	-59.47	-56.69	-173.27	53.22	-226.49	-110	-116.49
4125	-93.08	-10.79	-48.76	-56.94	-57.19	-57.54	-171.67	53.22	-224.89	-110	-114.89
4137.5	-93.00	-10.79	-48.72	-56.96	-55.08	-43.92	-155.96	53.22	-209.19	-110	-99.19
4150	-93.06	-10.79	-48.65	-57.13	-49.82	-26.35	-133.30	53.22	-186.52	-110	-76.52
4162.5	-93.03	-10.79	-49.36	-56.49	-43.83	-24.79	-125.12	53.22	-178.34	-110	-68.34
4175	-92.84	-10.79	-49.52	-56.07	-39.07	-37.15	-132.28	53.22	-185.50	-110	-75.50
4187.5	-92.54	-10.79	-49.24	-55.94	-27.31	-57.25	-140.51	53.22	-193.73	-110	-83.73
4200	-92.68	-10.79	-48.96	-56.43	-41.38	-72.77	-170.58	53.22	-223.81	-110	-113.81
4212.5	-92.43	-10.79	-49.33	-55.87	-46.71	-75.18	-177.75	53.22	-230.97	-110	-120.97
4225	-92.43	-10.79	-49.83	-55.32	-46.87	-71.60	-173.78	53.22	-227.00	-110	-117.00
4237.5	-92.16	-10.79	-49.76	-55.11	-47.49	-48.60	-151.21	53.22	-204.43	-110	-94.43
4250	-91.65	-10.79	-49.75	-54.72	-48.34	-63.25	-166.31	53.22	-219.53	-110	-109.53
4262.5	-91.87	-10.79	-49.71	-54.99	-48.32	-49.21	-152.53	53.22	-205.75	-110	-95.75
4275	-91.12	-10.79	-49.86	-53.93	-45.80	-48.12	-147.85	53.22	-201.07	-110	-91.07
4287.5	-90.64	-10.79	-50.46	-52.87	-45.34	-47.81	-146.03	53.22	-199.25	-110	-89.25
4300	-90.80	-10.79	-50.05	-53.47	-45.06	-43.50	-142.03	53.22	-195.25	-110	-85.25
4312.5	-90.48	-10.79	-50.06	-53.20	-43.70	-40.00	-136.91	53.22	-190.13	-110	-80.13
4325	-90.14	-10.79	-50.37	-52.47	-41.49	-37.17	-131.13	53.22	-184.35	-110	-74.35
4337.5	-90.54	-10.79	-50.81	-52.49	-36.67	-43.34	-132.50	53.22	-185.72	-110	-75.72
4350	-90.48	-10.79	-50.57	-52.67	-34.45	-20.56	-107.67	53.22	-160.90	-110	-50.90
4362.5	-90.32	-10.79	-50.48	-52.61	-29.41	-22.88	-104.90	53.22	-158.12	-110	-48.12
4375	-90.33	-10.79	-50.53	-52.63	-26.98	-40.80	-120.41	53.22	-173.63	-110	-63.63
4387.5	-90.56	-10.79	-51.03	-52.30	-22.60	-45.46	-120.36	53.22	-173.59	-110	-63.59
4400	-90.05	-10.79	-51.06	-51.72	-12.76	-38.88	-103.36	53.22	-156.58	-110	-46.58
4412.5	-90.19	-10.79	-50.79	-52.16	-7.47	-39.30	-98.94	53.22	-152.16	-110	-42.16
4425	-91.14	-10.79	-50.95	-53.02	-5.28	-38.91	-97.21	53.22	-150.43	-110	-40.43
4437.5	-91.82	-10.79	-51.09	-53.54	-5.85	-36.34	-95.73	53.22	-148.95	-110	-38.95

4450	-92.36	-10.79	-52.00	-53.18	-12.09	-24.51	-89.78	53.22	-143.01	-110	-33.01
4462.5	-92.32	-10.79	-51.55	-53.52	-13.81	-27.21	-94.54	53.22	-147.76	-110	-37.76
4475	-92.64	-10.79	-51.57	-53.88	-12.59	-37.37	-103.84	53.22	-157.06	-110	-47.06
4487.5	-92.80	-10.79	-52.68	-53.03	-8.77	-33.18	-94.98	53.22	-148.20	-110	-38.20
4500	-92.92	-10.79	-53.00	-52.72	-12.53	-42.44	-107.68	53.22	-160.91	-110	-50.91
4512.5	-93.09	-10.79	-53.67	-52.17	-24.31	-32.88	-109.36	53.22	-162.58	-110	-52.58
4525	-92.76	-10.79	-53.36	-52.26	-29.04	-40.63	-121.93	53.22	-175.15	-110	-65.15
4537.5	-92.74	-10.79	-54.36	-51.30	-37.48	-40.00	-128.78	53.22	-182.01	-110	-72.01
4550	-92.76	-10.79	-54.83	-50.71	-40.41	-50.37	-141.48	53.22	-194.70	-110	-84.70
4562.5	-92.45	-10.79	-55.13	-50.10	-41.38	-40.30	-131.77	53.22	-184.99	-110	-74.99
4575	-92.42	-10.79	-54.76	-50.51	-44.89	-42.32	-137.72	53.22	-190.94	-110	-80.94
4587.5	-92.38	-10.79	-54.56	-50.68	-49.94	-40.04	-140.67	53.22	-193.89	-110	-83.89
4600	-92.29	-10.79	-55.81	-49.30	-50.57	-38.34	-138.20	53.22	-191.42	-110	-81.42
4612.5	-92.27	-10.79	-55.71	-49.34	-52.06	-38.54	-139.94	53.22	-193.16	-110	-83.16
4625	-92.50	-10.79	-55.82	-49.52	-53.95	-36.39	-139.87	53.22	-193.09	-110	-83.09
4637.5	-92.30	-10.79	-55.51	-49.64	-56.88	-33.80	-140.32	53.22	-193.54	-110	-83.54
4650	-92.02	-10.79	-55.71	-49.13	-56.63	-50.55	-156.32	53.22	-209.54	-110	-99.54
4662.5	-91.30	-10.79	-56.28	-47.81	-57.07	-32.91	-137.79	53.22	-191.01	-110	-81.01
4675	-90.92	-10.79	-56.39	-47.17	-60.73	-45.24	-153.14	53.22	-206.36	-110	-96.36
4687.5	-90.51	-10.79	-56.37	-47.09	-61.12	-34.08	-142.29	53.22	-195.51	-110	-85.51
4700	-89.87	-10.79	-56.38	-46.30	-60.89	-38.27	-145.46	53.22	-198.68	-110	-88.68
4712.5	-89.41	-10.79	-56.76	-45.45	-61.19	-50.07	-156.71	53.22	-209.93	-110	-99.93
4725	-88.92	-10.79	-57.15	-44.60	-63.66	-43.75	-152.01	53.22	-205.23	-110	-95.23
4737.5	-89.75	-10.79	-57.25	-45.39	-63.97	-57.44	-166.80	53.22	-220.02	-110	-110.02
4750	-89.62	-10.79	-57.77	-44.72	-61.69	-60.14	-166.54	53.22	-219.77	-110	-109.77
4762.5	-89.97	-10.79	-60.84	-41.98	-62.93	-57.86	-162.77	53.22	-215.99	-110	-105.99
4775	-90.31	-10.79	-61.08	-42.12	-64.89	-57.62	-164.63	53.22	-217.85	-110	-107.85
4787.5	-90.31	-10.79	-60.36	-42.94	-64.84	-69.78	-177.57	53.22	-230.79	-110	-120.79
4800	-90.05	-10.79	-59.73	-43.23	-65.66	-63.30	-172.18	53.22	-225.41	-110	-115.41
4812.5	-90.89	-10.79	-59.54	-44.21	-67.20	-63.49	-174.90	53.22	-228.12	-110	-118.12
4825	-90.83	-10.79	-60.34	-43.39	-67.00	-65.32	-175.71	53.22	-228.94	-110	-118.94
4837.5	-91.36	-10.79	-59.97	-44.28	-65.92	-58.63	-168.83	53.22	-222.06	-110	-112.06
4850	-91.39	-10.79	-58.87	-45.40	-65.70	-39.96	-151.05	53.22	-204.27	-110	-94.27
4862.5	-91.87	-10.79	-59.05	-45.73	-66.67	-38.21	-150.61	53.22	-203.83	-110	-93.83
4875	-91.86	-10.79	-58.95	-45.82	-66.78	-56.62	-169.22	53.22	-222.45	-110	-112.45
4887.5	-92.27	-10.79	-59.14	-46.03	-64.45	-49.40	-159.87	53.22	-213.10	-110	-103.10
4900	-92.48	-10.79	-58.24	-47.16	-65.10	-51.73	-163.99	53.22	-217.21	-110	-107.21
4912.5	-92.32	-10.79	-57.81	-47.45	-64.77	-54.02	-166.25	53.22	-219.47	-110	-109.47
4925	-92.51	-10.79	-58.44	-46.98	-63.51	-36.05	-146.55	53.22	-199.77	-110	-89.77
4937.5	-92.45	-10.79	-58.08	-47.27	-62.24	-32.55	-142.06	53.22	-195.28	-110	-85.28

4950	-92.44	-10.79	-58.04	-47.21	-61.02	-43.12	-151.34	53.22	-204.56	-110	-94.56
4962.5	-92.25	-10.79	-57.08	-48.12	-59.78	-46.46	-154.36	53.22	-207.58	-110	-97.58
4975	-92.67	-10.79	-56.95	-48.60	-57.78	-56.80	-163.18	53.22	-216.40	-110	-106.40
4987.5	-92.49	-10.79	-57.05	-48.37	-54.63	-57.87	-160.87	53.22	-214.10	-110	-104.10
5000	-92.25	-10.79	-56.91	-48.29	-53.09	-35.36	-136.74	53.22	-189.96	-110	-79.96
5012.5	-92.43	-10.79	-56.82	-48.57	-44.46	-44.96	-137.99	53.22	-191.21	-110	-81.21
5025	-92.17	-10.79	-56.12	-49.01	-37.49	-25.13	-111.62	53.22	-164.84	-110	-54.84
5037.5	-92.10	-10.79	-55.95	-49.04	-8.79	-28.86	-86.69	53.22	-139.91	-110	-29.91
5050	-91.74	-10.79	-56.14	-48.59	-5.92	-57.08	-111.58	53.22	-164.81	-110	-54.81
5062.5	-91.70	-10.79	-56.10	-48.54	-34.37	-39.38	-122.29	53.22	-175.51	-110	-65.51
5075	-91.16	-10.79	-55.50	-48.62	-52.08	-48.33	-149.03	53.22	-202.25	-110	-92.25
5087.5	-90.85	-10.79	-54.95	-48.81	-54.38	-54.00	-157.20	53.22	-210.42	-110	-100.42
5100	-90.81	-10.79	-55.42	-48.22	-58.51	-44.92	-151.65	53.22	-204.87	-110	-94.87
5112.5	-90.60	-10.79	-55.43	-48.18	-63.00	-53.94	-165.11	53.22	-218.33	-110	-108.33
5125	-90.78	-10.79	-55.30	-48.44	-67.78	-43.91	-160.14	53.22	-213.36	-110	-103.36
5137.5	-89.95	-10.79	-54.59	-48.29	-72.40	-49.13	-169.81	53.22	-223.03	-110	-113.03
5150	-90.12	-10.79	-54.72	-48.38	-73.17	-36.70	-158.25	53.22	-211.47	-110	-101.47
5162.5	-90.20	-10.79	-55.40	-47.79	-77.23	-24.26	-149.29	53.22	-202.51	-110	-92.51
5175	-90.44	-10.79	-55.25	-48.19	-75.06	-40.83	-164.08	53.22	-217.30	-110	-107.30
5187.5	-90.49	-10.79	-54.77	-48.64	-77.03	-29.97	-155.64	53.22	-208.86	-110	-98.86
5200	-90.81	-10.79	-54.72	-49.08	-76.89	-21.75	-147.72	53.22	-200.95	-110	-90.95
5212.5	-90.90	-10.79	-55.12	-48.77	-76.61	-20.37	-145.75	53.22	-198.98	-110	-88.98
5225	-90.56	-10.79	-55.92	-47.73	-76.63	-24.86	-149.23	53.22	-202.45	-110	-92.45
5237.5	-91.72	-10.79	-55.88	-48.80	-76.88	-16.91	-142.58	53.22	-195.80	-110	-85.80
5250	-92.10	-10.79	-55.79	-49.24	-77.41	-14.88	-141.53	53.22	-194.75	-110	-84.75
5262.5	-92.00	-10.79	-56.85	-48.21	-77.17	-32.81	-158.19	53.22	-211.42	-110	-101.42
5275	-92.21	-10.79	-57.76	-47.50	-76.89	-24.96	-149.35	53.22	-202.57	-110	-92.57
5287.5	-92.73	-10.79	-59.57	-46.09	-76.61	-18.73	-141.43	53.22	-194.65	-110	-84.65
5300	-92.88	-10.79	-60.61	-45.25	-77.05	-22.96	-145.26	53.22	-198.48	-110	-88.48
5312.5	-93.05	-10.79	-61.17	-44.88	-77.01	-21.49	-143.38	53.22	-196.60	-110	-86.60
5325	-93.30	-10.79	-63.87	-42.45	-76.66	-43.66	-162.77	53.22	-215.99	-110	-105.99
5337.5	-93.30	-10.79	-66.10	-40.13	-76.93	-31.32	-148.38	53.22	-201.60	-110	-91.60
5350	-93.46	-10.79	-69.77	-36.65	-76.91	-35.34	-148.90	53.22	-202.13	-110	-92.13
5362.5	-93.46	-10.79	-69.12	-37.48	-76.89	-47.95	-162.31	53.22	-215.53	-110	-105.53
5375	-93.44	-10.79	-68.09	-38.33	-77.22	-37.22	-152.77	53.22	-205.99	-110	-95.99
5387.5	-93.42	-10.79	-65.34	-41.10	-77.16	-40.02	-158.28	53.22	-211.50	-110	-101.50
5400	-93.40	-10.79	-62.49	-43.88	-76.53	-24.55	-144.95	53.22	-198.17	-110	-88.17
5412.5	-93.15	-10.79	-60.64	-45.51	-76.72	-39.24	-161.47	53.22	-214.70	-110	-104.70
5425	-92.83	-10.79	-59.89	-46.00	-76.19	-22.72	-144.91	53.22	-198.13	-110	-88.13
5437.5	-92.74	-10.79	-59.64	-46.14	-77.01	-15.91	-139.05	53.22	-192.28	-110	-82.28

5450	-92.30	-10.79	-59.49	-45.88	-76.33	-41.38	-163.59	53.22	-216.81	-110	-106.81
5462.5	-91.83	-10.79	-59.21	-45.68	-76.46	-38.08	-160.22	53.22	-213.44	-110	-103.44
5475	-91.95	-10.79	-58.92	-46.08	-76.33	-37.77	-160.18	53.22	-213.40	-110	-103.40
5487.5	-91.54	-10.79	-58.68	-45.93	-76.39	-25.80	-148.13	53.22	-201.35	-110	-91.35
5500	-90.55	-10.79	-59.01	-44.52	-76.77	-35.17	-156.46	53.22	-209.68	-110	-99.68
5512.5	-90.16	-10.79	-60.35	-42.88	-76.70	-49.14	-168.73	53.22	-221.95	-110	-111.95
5525	-90.31	-10.79	-60.41	-42.95	-76.47	-28.07	-147.48	53.22	-200.70	-110	-90.70
5537.5	-90.11	-10.79	-60.57	-42.64	-76.71	-45.94	-165.29	53.22	-218.51	-110	-108.51
5550	-90.21	-10.79	-61.42	-41.83	-76.26	-32.11	-150.20	53.22	-203.42	-110	-93.42
5562.5	-90.13	-10.79	-62.12	-41.00	-76.18	-19.14	-136.32	53.22	-189.54	-110	-79.54
5575	-90.39	-10.79	-63.45	-40.14	-75.85	-24.12	-140.11	53.22	-193.33	-110	-83.33
5587.5	-90.10	-10.79	-64.12	-39.13	-76.65	-25.13	-140.92	53.22	-194.14	-110	-84.14
5600	-90.45	-10.79	-66.37	-37.12	-76.41	-30.54	-144.07	53.22	-197.30	-110	-87.30
5612.5	-90.80	-10.79	-68.70	-35.15	-75.68	-23.68	-134.51	53.22	-187.74	-110	-77.74
5625	-91.39	-10.79	-69.74	-34.88	-76.01	-24.59	-135.48	53.22	-188.70	-110	-78.70
5637.5	-91.24	-10.79	-72.35	-32.06	-76.28	-28.08	-136.42	53.22	-189.64	-110	-79.64
5650	-91.71	-10.79	-74.07	-30.60	-76.48	-21.72	-128.80	53.22	-182.03	-110	-72.03
5662.5	-91.76	-10.79	-74.40	-30.36	-76.25	-31.79	-138.40	53.22	-191.62	-110	-81.62
5675	-91.98	-10.79	-71.34	-33.79	-76.74	-17.32	-127.85	53.22	-181.07	-110	-71.07
5687.5	-92.22	-10.79	-68.80	-36.62	-76.03	-33.98	-146.62	53.22	-199.85	-110	-89.85
5700	-92.57	-10.79	-65.35	-40.32	-75.91	-25.62	-141.85	53.22	-195.07	-110	-85.07
5712.5	-92.76	-10.79	-61.84	-44.06	-76.17	-48.92	-169.15	53.22	-222.37	-110	-112.37
5725	-92.60	-10.79	-60.61	-45.19	-75.89	-31.13	-152.22	53.22	-205.44	-110	-95.44
5737.5	-93.00	-10.79	-58.67	-47.52	-75.80	-46.23	-169.55	53.22	-222.77	-110	-112.77
5750	-92.79	-10.79	-57.48	-48.36	-76.43	-35.16	-159.95	53.22	-213.17	-110	-103.17
5762.5	-93.02	-10.79	-55.41	-50.70	-76.05	-23.30	-150.05	53.22	-203.27	-110	-93.27
5775	-92.96	-10.79	-54.69	-51.36	-76.16	-22.71	-150.24	53.22	-203.46	-110	-93.46
5787.5	-92.94	-10.79	-53.33	-52.74	-76.34	-33.44	-162.52	53.22	-215.74	-110	-105.74
5800	-93.08	-10.79	-52.12	-54.13	-76.18	-31.50	-161.81	53.22	-215.03	-110	-105.03
5812.5	-92.88	-10.79	-51.62	-54.45	-76.14	-35.33	-165.92	53.22	-219.14	-110	-109.14
5825	-92.82	-10.79	-51.03	-55.22	-76.54	-36.69	-168.46	53.22	-221.68	-110	-111.68
5837.5	-92.59	-10.79	-50.30	-55.21	-76.00	-26.05	-157.26	53.22	-210.48	-110	-100.48
5850	-92.49	-10.79	-51.04	-54.66	-75.51	-46.65	-176.81	53.22	-230.03	-110	-120.03
5862.5	-91.93	-10.79	-50.61	-54.49	-76.14	-32.59	-163.22	53.22	-216.45	-110	-106.45
5875	-92.00	-10.79	-50.90	-54.27	-76.56	-44.76	-175.59	53.22	-228.81	-110	-118.81
5887.5	-91.34	-10.79	-51.41	-53.13	-76.36	-36.95	-166.44	53.22	-219.66	-110	-109.66
5900	-91.06	-10.79	-52.53	-51.95	-76.26	-36.17	-164.38	53.22	-217.60	-110	-107.60
5912.5	-90.08	-10.79	-54.07	-49.32	-76.23	-40.31	-165.86	53.22	-219.08	-110	-109.08
5925	-90.52	-10.79	-54.15	-49.57	-75.71	-20.40	-145.69	53.22	-198.91	-110	-88.91
5937.5	-90.27	-10.79	-54.43	-49.01	-76.14	-23.68	-148.83	53.22	-202.05	-110	-92.05

5950	-89.80	-10.79	-56.51	-46.39	-75.86	-20.28	-142.53	53.22	-195.75	-110	-85.75
5962.5	-89.84	-10.79	-58.87	-44.22	-76.14	-28.85	-149.21	53.22	-202.43	-110	-92.43
5975	-89.41	-10.79	-59.10	-43.70	-74.95	-19.44	-138.09	53.22	-191.31	-110	-81.31
5987.5	-89.31	-10.79	-56.15	-46.34	-75.95	-18.92	-141.22	53.22	-194.44	-110	-84.44
6000	-89.50	-10.79	-64.78	-37.78	-79.68	-79.01	-196.48	53.22	-249.70	-110	-139.70