

frequency	e'	e''
1700000000.0000	55.6465	13.0859
1706000000.0000	56.2952	13.8042
1712000000.0000	56.8839	14.6254
1718000000.0000	57.3709	15.0258
1724000000.0000	57.5430	15.2579
1730000000.0000	57.9756	15.3876
1736000000.0000	58.2457	15.3686
1742000000.0000	58.2872	15.1914
1748000000.0000	58.2569	14.8570
1754000000.0000	57.9397	14.3994
1760000000.0000	57.2514	13.5395
1766000000.0000	56.8493	13.0559
1772000000.0000	56.4500	12.9372
1778000000.0000	55.8442	12.5723
1784000000.0000	55.3305	12.3416
1790000000.0000	54.8789	12.2537
1796000000.0000	54.6097	12.3915
1802000000.0000	54.5062	12.6503
1808000000.0000	54.5468	13.0604
1814000000.0000	54.8017	13.6806
1820000000.0000	55.3285	14.3556
1826000000.0000	55.9140	15.0589
1832000000.0000	56.6392	15.6633
1838000000.0000	57.3015	16.0447
1844000000.0000	57.8938	16.3939
1850000000.0000	58.4390	16.5726
1856000000.0000	58.5871	16.5566
1862000000.0000	58.1945	16.3389
1868000000.0000	58.0364	16.0237
1874000000.0000	57.7299	15.4710
1880000000.0000	57.2603	14.8894
1886000000.0000	56.7386	14.2447
1892000000.0000	56.1446	13.6652
1898000000.0000	55.5631	13.1782
1904000000.0000	55.0004	12.8554
1910000000.0000	54.5928	12.7339
1916000000.0000	54.2886	12.7988
1922000000.0000	54.1481	13.1006
1928000000.0000	54.1739	13.5470
1934000000.0000	54.4581	14.2086
1940000000.0000	54.8198	14.9578
1946000000.0000	55.3369	15.6835
1952000000.0000	55.9145	16.4935
1958000000.0000	56.8628	17.1721
1964000000.0000	57.2074	17.4134
1970000000.0000	58.1444	17.7258
1976000000.0000	58.3815	17.6392
1982000000.0000	58.2311	17.3540
1988000000.0000	57.8913	16.9021
1994000000.0000	57.6097	16.2519
2000000000.0000	57.1064	15.5258

frequency	e'	e''
700000000.0000	56.6936	21.2967
705000000.0000	56.5189	21.2965
710000000.0000	56.2255	21.3525
715000000.0000	56.1775	21.3252
720000000.0000	56.1692	21.3581
725000000.0000	56.2038	21.2825
730000000.0000	56.3410	21.2790
735000000.0000	56.4913	21.1514
740000000.0000	56.7114	21.0607
745000000.0000	56.9721	20.9188
750000000.0000	57.2128	20.7889
755000000.0000	57.4599	20.5626
760000000.0000	57.4550	20.4160
765000000.0000	57.4997	20.1831
770000000.0000	57.5014	19.9971
775000000.0000	57.5017	19.9441
780000000.0000	57.4377	19.7944
785000000.0000	57.2930	19.7632
790000000.0000	57.1464	19.7159
795000000.0000	56.8505	19.7126
800000000.0000	56.6277	19.7365
805000000.0000	56.2969	19.7740
810000000.0000	55.9230	19.8589
815000000.0000	55.6535	19.9531
820000000.0000	55.4018	20.0479
825000000.0000	55.2046	20.1371
830000000.0000	55.0454	20.2247
835000000.0000	54.9374	20.2363
840000000.0000	54.9284	20.2795
845000000.0000	54.9582	20.2527
850000000.0000	55.0272	20.1510
855000000.0000	55.2846	20.1119
860000000.0000	55.4747	19.9142
865000000.0000	55.7100	19.7769
870000000.0000	56.0169	19.6834
875000000.0000	56.2235	19.5396
880000000.0000	56.3762	19.3511
885000000.0000	56.5775	19.1672
890000000.0000	56.6502	18.9676
895000000.0000	56.6847	18.9077
900000000.0000	56.5037	18.7974
905000000.0000	56.3417	18.7160
910000000.0000	56.1302	18.7264
915000000.0000	55.8841	18.7806
920000000.0000	55.7030	18.8600
925000000.0000	55.2557	18.9209
930000000.0000	54.9290	19.1035
935000000.0000	54.6027	19.2113
940000000.0000	54.3641	19.2923
945000000.0000	54.1341	19.4650
950000000.0000	53.9176	19.5179