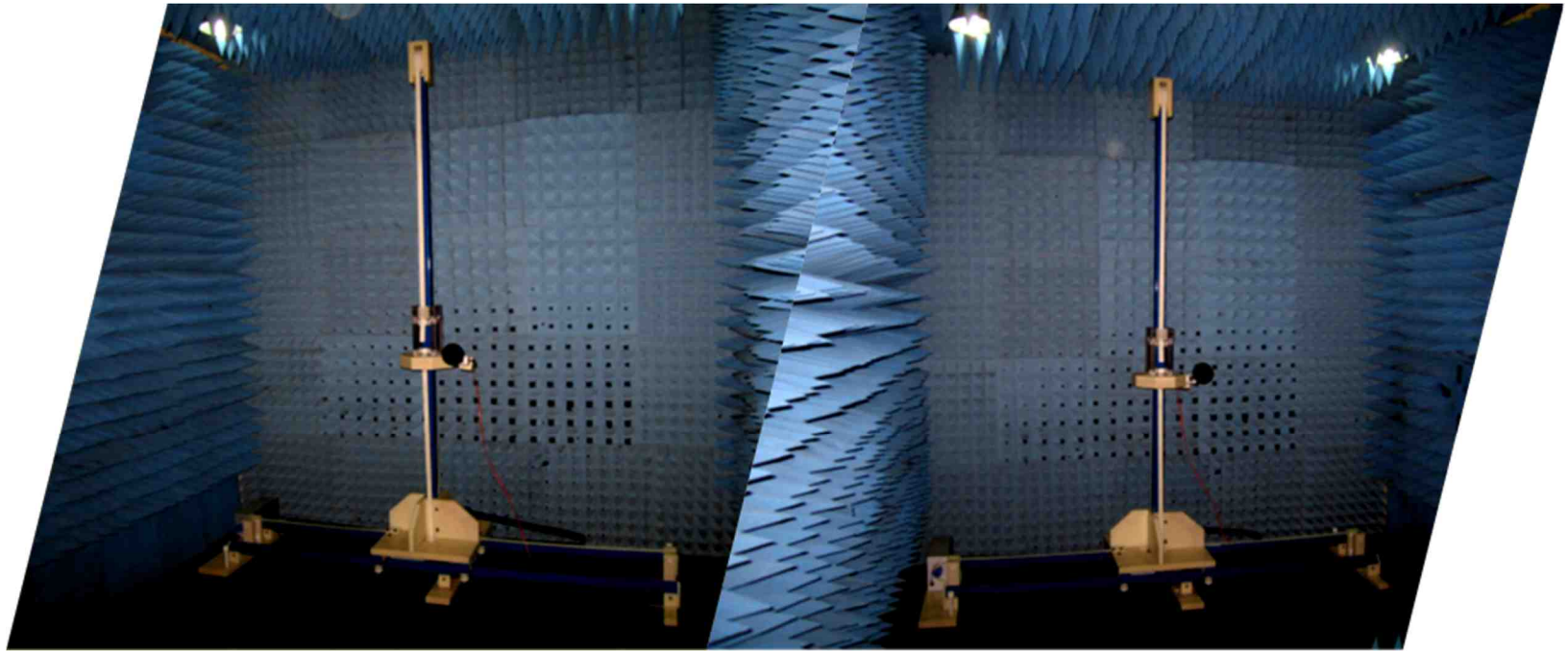


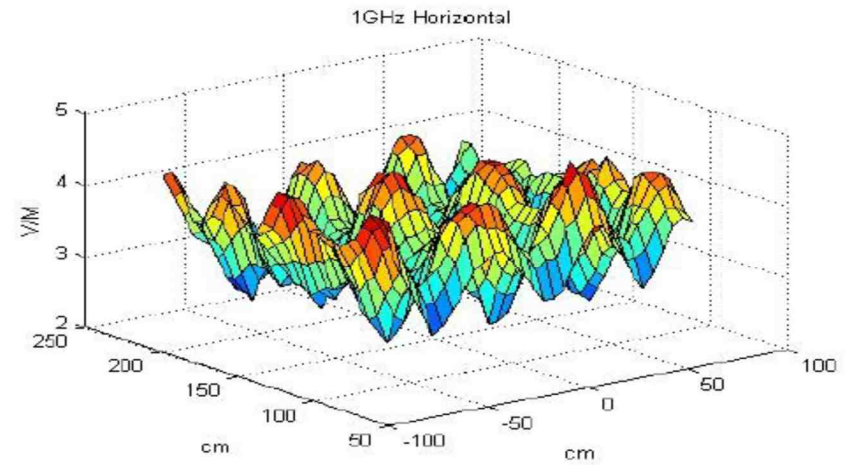
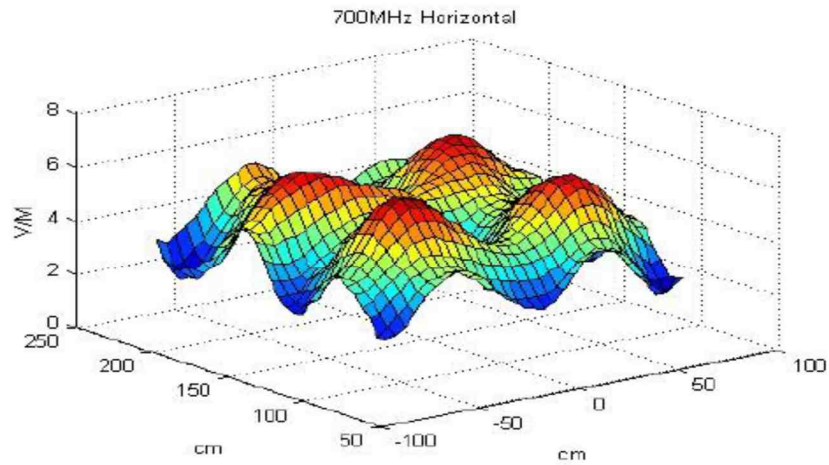
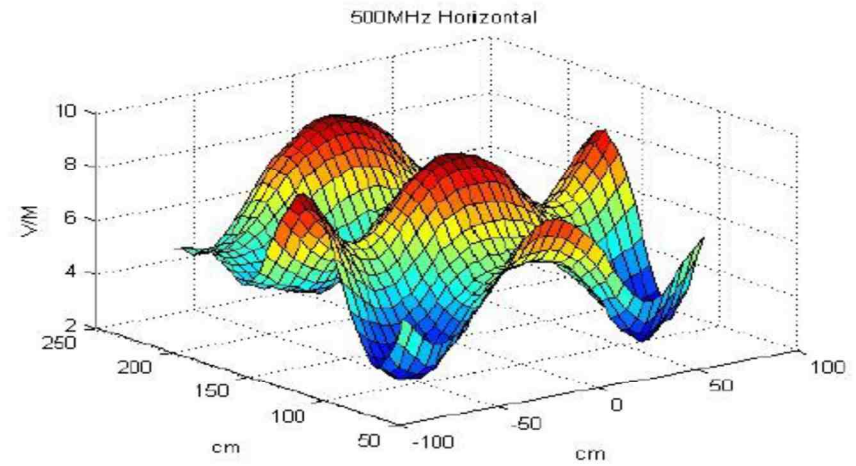
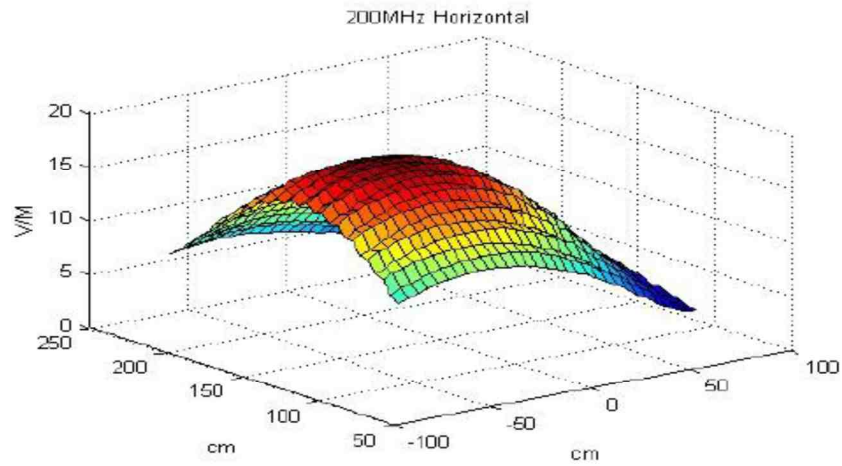
# AUTOMATIC 3D POSITIONER

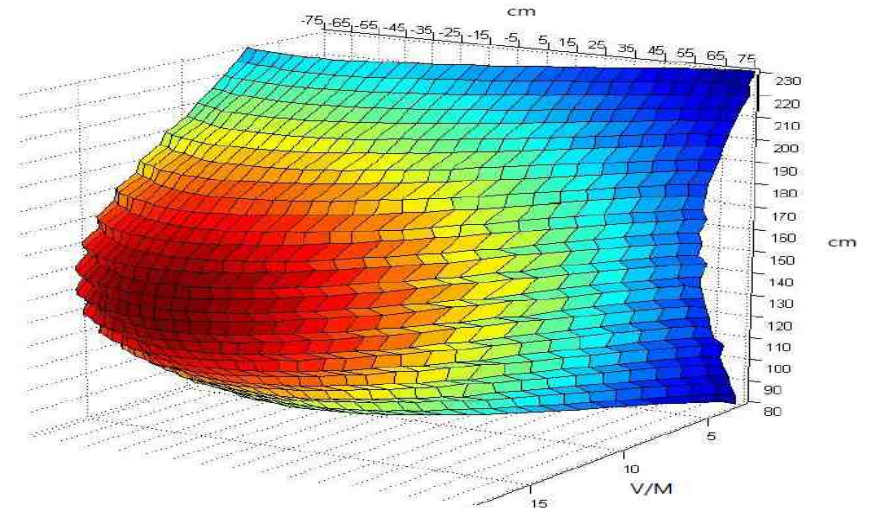
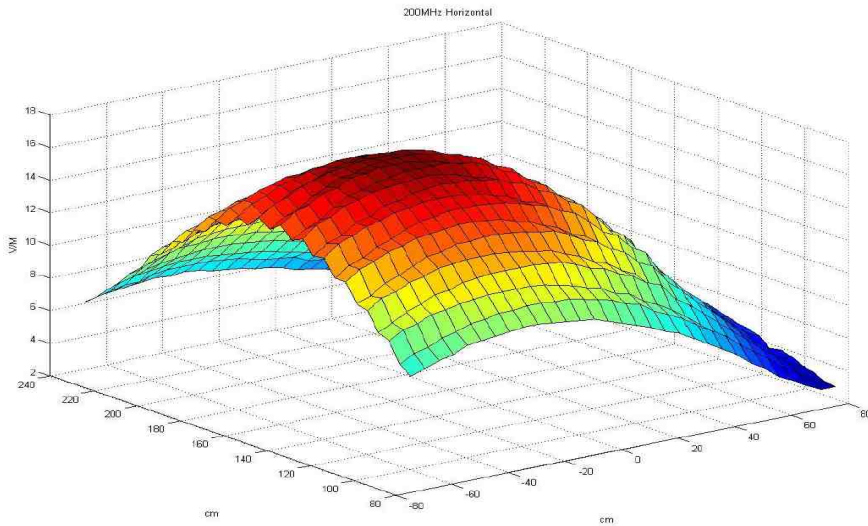
(AFP 3.5X2 FIELD POSITIONER)



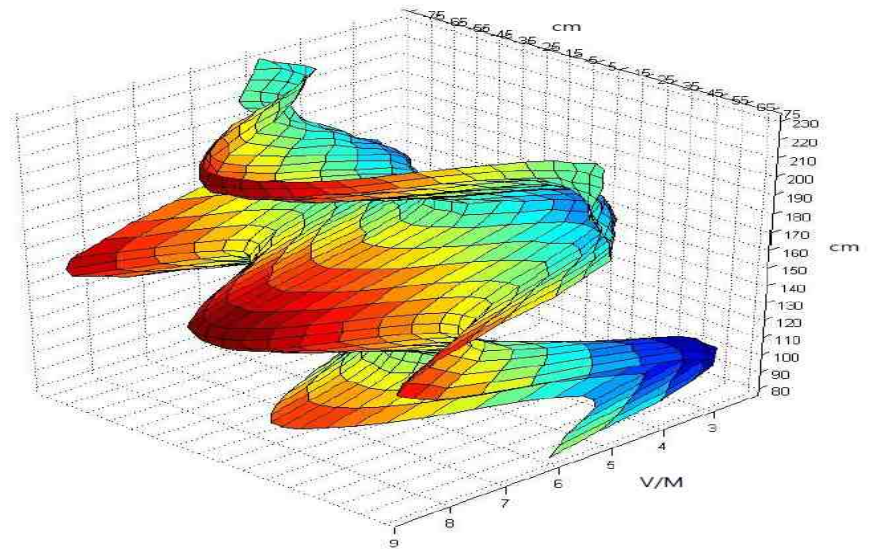
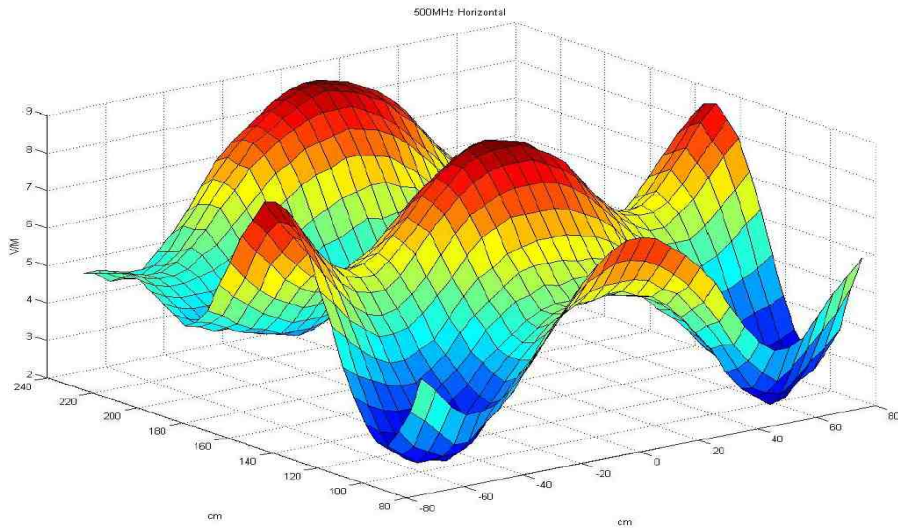


# Horizontal





	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75					
230	9.1	9.4	9.7	9.9	10.3	10.4	10.5	10.6	10.7	10.7	10.6	10.5	10.4	10.3	10	9.7	9.4	9.1	8.7	8.4	7.9	7.4	6.9	6.4	5.7	5.2	4.5	4.1	3.7	3.3	3					
225	9.6	10.1	10.3	10.7	10.9	11.2	11.3	11.5	11.5	11.6	11.5	11.5	11.3	11	11	11	11	10	9.7	9.3	8.9	8.3	7.8	7.3	6.6	6	5.4	4.7	4.2	3.7	3.3					
220	10.8	11.3	11.5	11.9	12	12.2	12.3	12.4	12.4	12.4	12.4	12.3	12.1	11.9	12	11	11	11	10	9.7	9.2	8.6	7.9	7.3	6.7	6	5.3	4.6	4.2	3.7	3.3					
215	11.1	11.5	11.8	12.3	12.7	12.9	13.1	13.2	13.3	13.3	13.3	13.2	13	12.8	12.8	12.7	12.6	12.4	12.1	11.8	11.4	11	10.5	9.9	9.2	8.5	7.6	6.8	6.1	5.4	4.8	4.1				
210	12.2	12.8	13	13.4	13.8	13.9	14	14.1	14.1	14.1	14	13.9	13.7	13.6	13.5	13.4	13.2	13	12.7	12.4	12	11	10	9.7	8.9	8.3	7.5	6.8	6	5.3	4.7	4.1	3.5			
205	12.4	12.7	13.3	13.8	14	14.4	14.5	14.8	14.8	14.8	14.8	14.8	14.7	14.5	14	14	14	13	13	12	11	11	9.9	9.2	8.3	7.6	6.8	6	5.2	4.6	4.3	3.8				
200	13.5	14.1	14.4	14.8	15	15.3	15.4	15.5	15.6	15.6	15.6	15.5	15.4	15.1	14.8	15	14	13	13	12	11	10	9.8	9.1	8.2	7.5	6.6	5.9	5.1	4.5	4.2	3.7				
195	13.2	14.1	14.4	14.9	15.2	15.6	15.9	16	16.2	16.2	16.2	16.1	16	15.8	16	15	15	14	13	12	11	10	9.9	9.1	8.2	7.5	6.5	5.8	5.1	4.7	4.1	3.5				
190	14.5	15.2	15.5	15.9	16.1	16.4	16.5	16.7	16.7	16.7	16.6	16.5	16.2	16	16	15	15	14	13	12	11	10	9.7	8.9	8.1	7	6.3	5.5	4.9	4.4	3.8	3.2				
185	14.4	15	15.3	15.9	16.1	16.6	16.7	17	17.1	17.2	17.1	17.1	16.9	16.8	16.8	16	16	15	15	14	13	12	11	9.8	8.8	7.9	7	6.3	5.5	5	4.5	3.9	3.3			
180	15.2	15.9	16.2	16.7	16.9	17.2	17.3	17.4	17.5	17.5	17.4	17.2	16.9	16.7	16	16	15	14	13	12	11	10	9.9	9.3	8.5	7.5	6.7	5.9	5.3	5.2	4.6	4	3.4			
175	14.9	15.4	15.8	16.4	16.9	17.1	17.4	17.5	17.7	17.7	17.7	17.7	17.5	17.4	17	17	16	16	15	14	13	12	11	11	9.2	8.3	7.4	6.6	5.9	5.4	4.8	4.2	3.6	3		
170	15.6	16.2	16.5	17	17.2	17.6	17.7	17.9	17.9	17.8	17.7	17.6	17.3	17.1	17	16	16	15	14	13	12	11	10	9.7	8.6	7.8	7	6.2	5.6	5.6	5	4.4	3.8	3.2		
165	15.1	15.7	16	16.6	17	17.4	17.5	17.8	17.9	17.9	17.9	17.8	17.6	17.4	17	17	16	16	15	14	13	12	11	10	9.3	8.2	7.6	6.9	6.1	5.6	5	4.4	3.8	3.2		
160	15.6	16.2	16.5	17	17.2	17.5	17.6	17.8	17.8	17.8	17.7	17.6	17.2	17	17	16	16	15	14	13	12	11	10	9.7	8.8	8	7.2	6.4	5.8	5	4.4	3.8	3.2	2.6		
155	14.9	15.4	15.8	16.4	16.6	17	17.4	17.5	17.6	17.7	17.6	17.4	17.2	17	17	16	16	15	14	13	12	11	10	9.3	8.5	7.7	6.9	6.2	5.8	5.4	4.8	4.2	3.6	3		
150	15.2	15.9	16.1	16.6	16.8	17.1	17.2	17.4	17.4	17.3	17.2	17.1	16.7	16.5	16	16	15	14	13	12	11	10	9.5	8.7	8	7.1	6.5	5.9	5.3	4.7	4.1	3.5	2.9	2.3		
145	14.4	14.8	15.4	15.7	16.1	16.5	16.7	16.9	16.9	17	17	16.8	16.7	16.4	16	16	16	15	14	13	12	11	10	9.9	9.1	8.3	7.5	6.8	6.2	5.8	5.4	4.8	4.2	3.6	3	
140	14.5	15.1	15.4	15.8	16	16.3	16.3	16.5	16.5	16.4	16.3	16.2	15.8	15.7	15	15	14	14	13	12	11	10	9.9	9.1	8.4	7.6	6.9	6.4	5.7	5.4	4.8	4.2	3.6	3		
135	13.6	14.1	14.4	14.9	15.1	15.5	15.6	15.8	15.9	15.9	15.8	15.5	15.4	15	15	14	14	13	13	12	11	10	11	11	10	9.2	8.6	7.8	7.1	6.6	5.9	5.6	5	4.4	3.8	3.2
130	13.3	14.1	14.3	14.7	14.8	15.1	15.2	15.3	15.3	15.2	15	14.9	14.6	14.4	14	14	13	13	12	11	11	10	9.9	9.2	8.5	7.8	7.2	6.5	6	5.5	5.4	4.8	4.2	3.6	3	
125	12.5	12.9	13.2	13.7	14	14.2	14.4	14.5	14.6	14.6	14.5	14.4	14.2	14	14	13	13	12	11	11	10	10	9.7	9.1	8.5	7.9	7.2	6.7	6	5.6	5.3	4.7	4.1	3.5	2.9	
120	12.3	12.6	13	13.4	13.5	13.7	13.7	13.8	13.8	13.7	13.5	13.4	13.1	13	12	12	12	11	11	10	10	9.9	9.4	8.9	8.3	7.7	7.1	6.5	6	5.4	5	4.4	3.8	3.2	2.6	
115	11.3	11.6	12.1	12.3	12.5	12.8	12.9	13	13	13	12.9	12.8	12.5	12.4	12	12	11	11	10	10	9.8	9.2	8.6	8.1	7.6	7	6.5	5.9	5.5	5	4.7	4.1	3.5	2.9	2.3	
110	11	11.4	11.6	11.8	12	12.1	12.3	12.3	12.3	12.3	12.3	12.2	11.9	11.8	11.5	11.3	11	11	10	10	9.5	9.1	8.7	8.2	7.8	7.2	6.7	6.2	5.8	5.3	4.9	4.5	4.1	3.7	3.3	
105	9.9	10.3	10.5	10.8	11.1	11.2	11.3	11.3	11.3	11.2	11.1	10.9	10.8	11	10	9.8	9.5	9.1	8.7	8.4	7.9	7.5	7	6.6	6.1	5.8	5.2	4.7	4.5	4.2	3.8	3.4	3	2.6	2.2	
100	9.4	9.7	9.9	10.3	10.4	10.4	10.5	10.5	10.4	10.4	10.2	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.1	7.8	7.4	7	6.6	6.1	5.8	5.4	5	4.5	4.3	4	3.6	3.2	2.8	2.4	2	
95	8.6	8.8	9.1	9.3	9.4	9.5	9.6	9.6	9.6	9.5	9.4	9.3	9.1	8.9	8.7	8.5	8.2	7.9	7.6	7.3	7	6.6	6.3	5.8	5.5	5	4.8	4.3	4.1	3.8	3.4	3	2.6	2.2	1.8	
90	8	8.3	8.5	8.6	8.7	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.2	8	7.8	7.6	7.3	7	6.8	6.4	6.2	5.8	5.5	5.1	4.9	4.4	4.1	3.8	3.4	3	2.6	2.2	1.8	1.4		
85	7.3	7.5	7.7	7.7	8	8.1	8.1	8.1	8.1	8	7.9	7.7	7.5	7.4	7.3	6.9	6.8	6.6	6.3	6	5.7	5.4	5.2	4.9	4.5	4.1	3.9	3.5	3	2.6	2.2	1.8	1.4	1		
80	6.8	7	7.1	7.2	7.3	7.4	7.3	7.4	7.3	7.1	7	6.9	6.7	6.6	6.4	6.1	6	5.8	5.5	5.2	5	4.7	4.5	4.3	4	3.7	3.4	3	2.6	2.2	1.8	1.4	1	0.6	0.2	



	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
230	5.1	4.7	4.3	3.9	3.9	4	4.3	4.7	5.2	5.8	6.3	6.8	7.2	7.5	8	8	8	7	7	7	6	5	5	4	4	4	4	5	5	6	6
225	4.1	3.8	3.4	3	3	3.4	3.7	4.1	4.7	5.2	5.7	6.2	6.6	6.8	7	7	7	6	6	6	5	4	4	3	3	3	3	4	4	5	5
220	3.5	3	2.8	2.6	2.6	2.8	3.3	3.8	4.3	4.7	5.3	5.7	6	6.2	6	6	6	6	6	6	5	5	4	3	3	3	3	3	3	4	4
215	3	2.7	2.4	2.4	2.3	2.8	3.2	3.6	4.1	4.6	5	5.4	5.6	5.8	6	6	6	6	6	6	5	5	4	4	3	3	2	2	2	3	3
210	3	2.7	2.4	2.6	2.6	2.8	3.2	3.7	4.2	4.6	4.9	5.2	5.5	5.6	6	6	6	6	6	6	5	5	4	4	3	3	2	2	2	3	3
205	3.4	3.1	3	2.8	3	3.3	3.6	3.9	4.4	4.7	5	5.3	5.5	5.6	6	6	6	6	6	6	5	5	4	4	3	3	3	3	3	3	3
200	4	3.7	3.5	3.4	3.4	3.5	3.9	4.2	4.6	5.1	5.4	5.7	5.8	6	6	6	6	6	6	6	5	5	4	4	4	4	3	3	3	3	4
195	4.7	4.4	4.2	4	3.9	3.9	4.2	4.5	5	5.4	5.7	6	6.3	6.4	6	6	6	6	6	6	6	5	5	4	4	4	4	4	4	4	4
190	5.7	5.3	4.9	4.6	4.4	4.4	4.6	4.8	5.3	5.8	6.2	6.4	6.7	6.8	7	7	7	7	7	7	6	6	5	5	5	5	5	5	5	5	5
185	6.5	6.1	5.6	5.3	5	5	5.1	5.4	5.8	6.2	6.7	7.1	7.3	7.5	8	8	8	7	7	7	7	6	6	6	5	5	5	5	5	6	6
180	7.4	6.8	6.3	5.8	5.5	5.4	5.5	5.8	6.2	6.7	7.2	7.6	7.8	8	8	8	8	8	8	7	7	6	6	6	6	6	6	6	6	7	7
175	7.9	7.4	6.8	6.3	6	5.9	5.9	6.2	6.7	7.2	7.6	8	8.3	8.5	9	9	9	9	8	8	8	7	7	7	6	6	6	6	7	7	8
170	8.4	7.8	7.2	6.7	6.3	6.2	6.2	6.5	6.9	7.3	7.8	8.2	8.6	8.8	9	9	9	9	9	8	8	7	7	6	6	6	6	7	7	8	8
165	8.3	7.8	7.3	6.8	6.5	6.3	6.4	6.6	7	7.4	7.9	8.3	8.6	8.9	9	9	9	9	9	8	8	7	7	6	6	6	6	7	7	8	8
160	8.4	7.8	7.3	6.8	6.4	6.2	6.4	6.7	7.1	7.6	8	8.3	8.6	8.9	9	9	9	9	8	8	7	7	6	6	6	6	6	7	7	8	8
155	7.8	7.4	6.8	6.4	6	5.9	5.9	6.2	6.4	6.8	7.2	7.6	7.9	8.2	8	8	8	8	8	8	7	7	6	6	6	6	6	7	7	8	8
150	7.3	6.8	6.4	5.9	5.6	5.4	5.4	5.6	5.8	6.1	6.5	6.8	7.2	7.4	8	8	8	8	7	7	7	6	6	6	6	6	6	6	7	7	8
145	6.5	6	5.6	5.3	5.1	4.9	4.9	5	5.2	5.5	5.9	6.2	6.5	6.7	7	7	7	7	7	6	6	6	6	5	5	5	5	5	6	6	7
140	5.8	5.4	5.1	4.8	4.6	4.4	4.4	4.4	4.5	4.7	5	5.3	5.6	5.8	6	6	6	6	6	6	5	5	5	5	4	4	4	5	5	6	6
135	5	4.8	4.5	4.3	4.2	4	4	4	4.1	4.3	4.5	4.6	5	5.1	5	6	6	6	6	5	5	5	4	4	4	4	4	4	5	5	6
130	4.6	4.5	4.3	4.1	4	3.9	3.8	3.7	3.8	4	4.1	4.3	4.6	4.7	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	5
125	4.4	4.3	4.1	4.1	4	3.8	3.9	3.9	4	4.1	4.3	4.4	4.6	4.8	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	5
120	4.6	4.4	4.3	4.2	4.2	4.2	4.2	4.3	4.4	4.6	4.8	5	5.1	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	5
115	4.8	4.6	4.5	4.5	4.4	4.4	4.5	4.7	4.8	5	5.2	5.5	5.6	5.8	6	6	6	6	6	5	5	5	4	4	4	4	4	4	5	5	5
110	5	4.8	4.7	4.7	4.7	4.8	4.8	5	5.2	5.6	5.8	6.1	6.3	6.5	7	7	7	7	7	6	6	6	5	5	5	4	4	4	5	5	5
105	5.2	5	4.9	4.9	5	5.1	5.3	5.6	6	6.3	6.6	6.9	7.1	7.2	7	7	7	7	7	6	6	6	5	5	5	5	5	5	5	5	5
100	5.3	5.1	5	5	5.1	5.4	5.6	6	6.4	6.8	7.2	7.4	7.7	7.8	8	8	8	8	8	7	7	7	6	6	5	5	5	5	5	5	5
95	5.2	5.1	5	5	5.2	5.5	5.9	6.4	6.8	7.3	7.6	7.9	8.1	8.3	8	8	8	8	8	8	7	7	6	6	5	5	5	5	5	5	5
90	5.1	4.9	4.8	4.8	5	5.3	5.8	6.4	6.9	7.3	7.8	8	8.3	8.5	9	9	9	9	9	8	8	8	7	6	6	6	6	6	6	6	6
85	5	4.7	4.7	4.7	4.9	5.2	5.8	6.3	6.9	7.4	7.8	8.1	8.4	8.6	9	9	9	9	9	8	8	7	6	6	6	6	6	6	6	6	6
80	4.9	4.9	4.8	4.7	4.7	5.1	5.5	6	6.6	7.2	7.6	7.9	8.2	8.5	9	9	9	9	9	8	8	8	7	6	6	6	6	6	6	6	6

