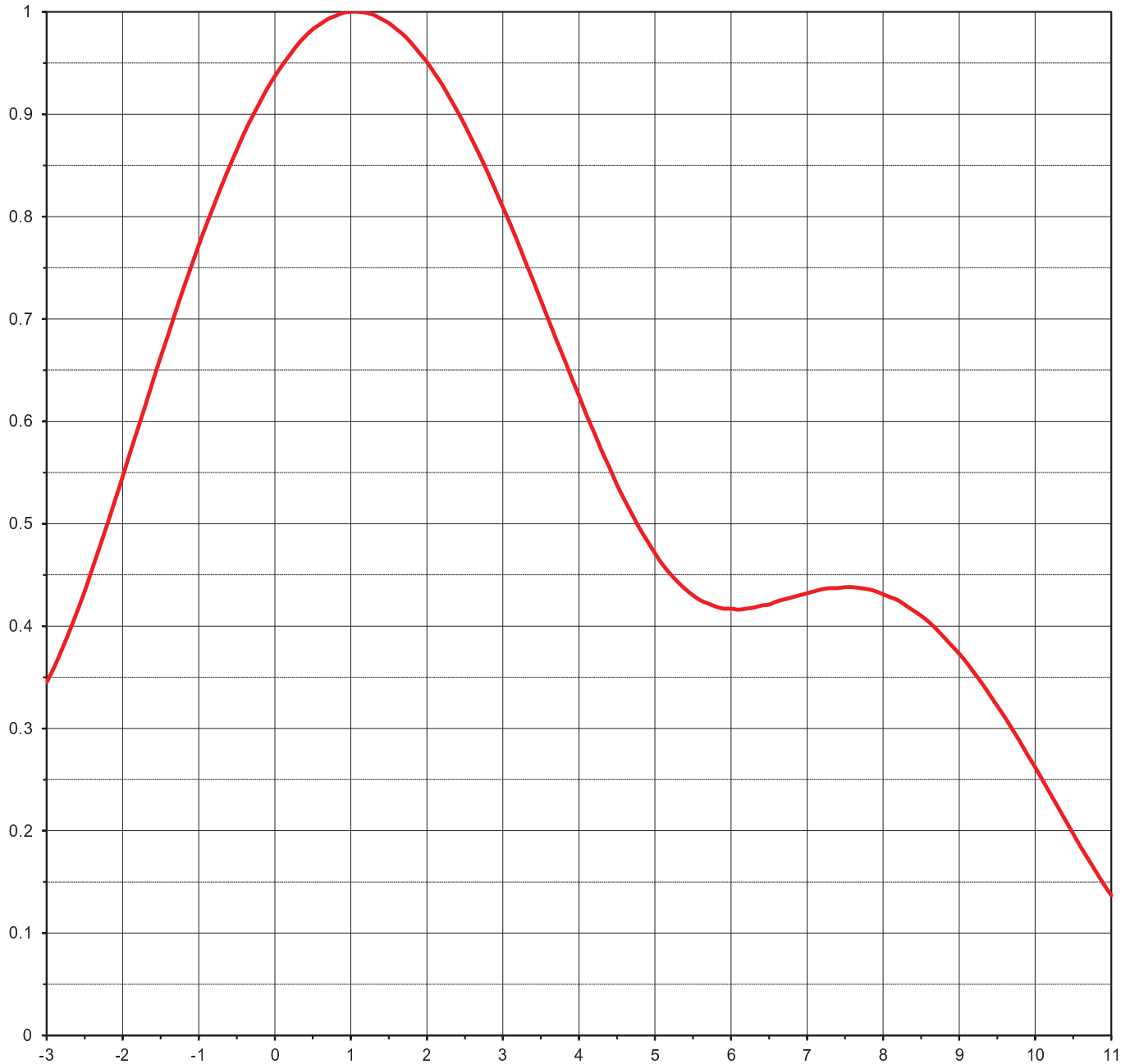


ELEVATION PATTERN

RMS Gain at Main Lobe **6.72 (8.27 dB)**
 RMS Gain at Horizontal **5.90 (7.71 dB)**
 Calculated / Measured **Calculated**

Beam Tilt **1.05 deg**
 Frequency **695.00 MHz**
 Drawing # **08W067105**



Degrees Below Horizontal

ELEVATION PATTERN

RMS Gain at Main Lobe **6.72 (8.27 dB)**

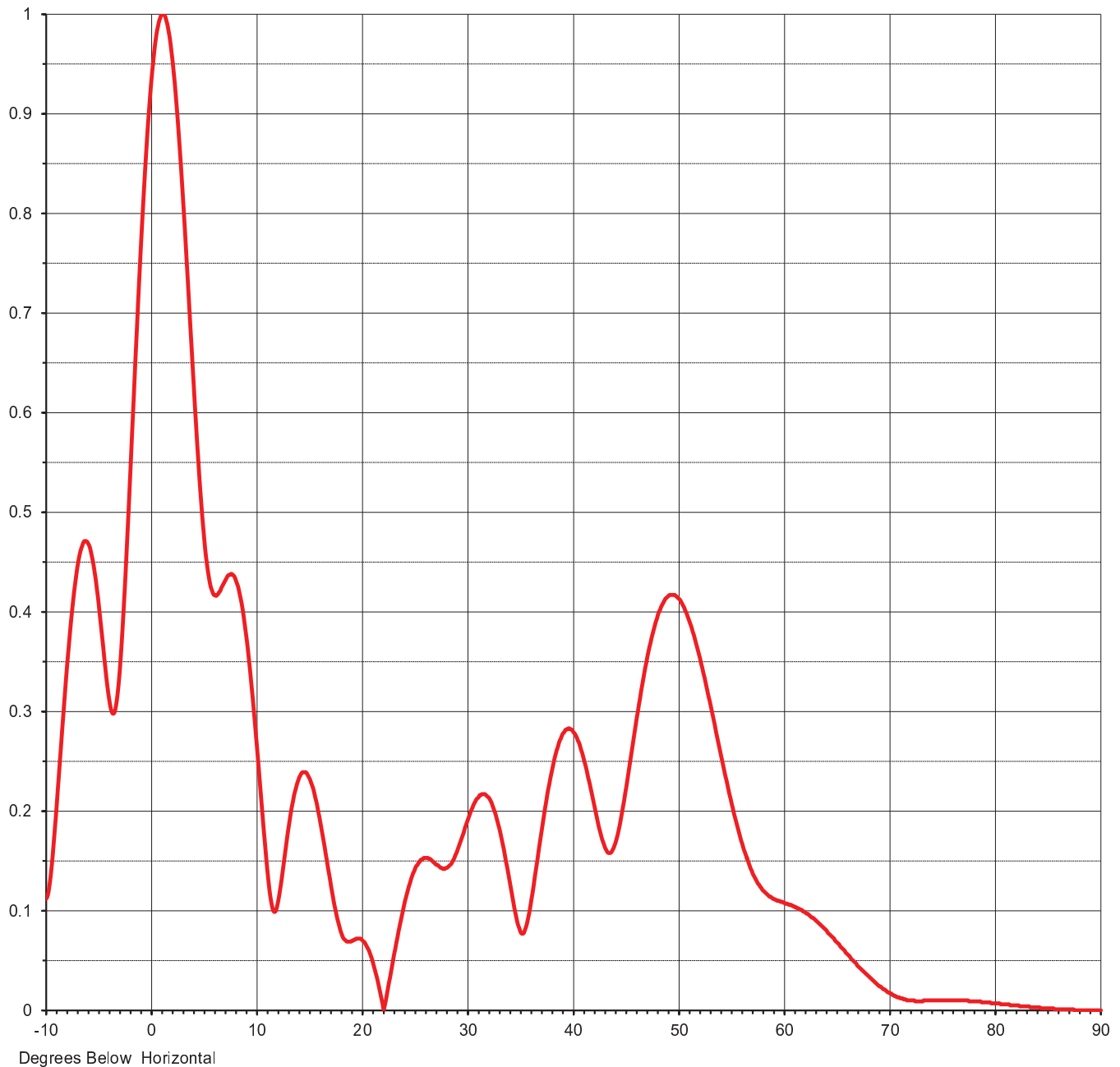
RMS Gain at Horizontal **5.90 (7.71 dB)**

Calculated / Measured **Calculated**

Beam Tilt **1.05 deg**

Frequency **695.00 MHz**

Drawing # **08W067105-90**





Proposal Number **C-06377**
Date **17-Jun-16**

Call Letters

Channel **51**

Location

Customer

Antenna Type **TFU-8WB-1-R**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **08W067105-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.112	2.4	0.903	10.6	0.197	30.5	0.203	51.0	0.393	71.5	0.011
-9.5	0.143	2.6	0.874	10.8	0.172	31.0	0.213	51.5	0.377	72.0	0.010
-9.0	0.207	2.8	0.843	11.0	0.148	31.5	0.217	52.0	0.357	72.5	0.009
-8.5	0.280	3.0	0.809	11.5	0.105	32.0	0.214	52.5	0.335	73.0	0.009
-8.0	0.349	3.2	0.774	12.0	0.105	32.5	0.203	53.0	0.311	73.5	0.010
-7.5	0.406	3.4	0.737	12.5	0.138	33.0	0.185	53.5	0.286	74.0	0.010
-7.0	0.448	3.6	0.699	13.0	0.178	33.5	0.161	54.0	0.260	74.5	0.010
-6.5	0.469	3.8	0.662	13.5	0.210	34.0	0.132	54.5	0.235	75.0	0.010
-6.0	0.468	4.0	0.625	14.0	0.231	34.5	0.102	55.0	0.212	75.5	0.010
-5.5	0.446	4.2	0.589	14.5	0.239	35.0	0.081	55.5	0.190	76.0	0.010
-5.0	0.405	4.4	0.555	15.0	0.234	35.5	0.081	56.0	0.170	76.5	0.010
-4.5	0.354	4.6	0.523	15.5	0.219	36.0	0.104	56.5	0.154	77.0	0.010
-4.0	0.310	4.8	0.495	16.0	0.194	36.5	0.139	57.0	0.140	77.5	0.009
-3.5	0.300	5.0	0.471	16.5	0.164	37.0	0.175	57.5	0.129	78.0	0.009
-3.0	0.345	5.2	0.451	17.0	0.132	37.5	0.209	58.0	0.121	78.5	0.009
-2.8	0.377	5.4	0.436	17.5	0.102	38.0	0.238	58.5	0.116	79.0	0.008
-2.6	0.414	5.6	0.425	18.0	0.080	38.5	0.261	59.0	0.112	79.5	0.008
-2.4	0.456	5.8	0.419	18.5	0.070	39.0	0.276	59.5	0.110	80.0	0.007
-2.2	0.500	6.0	0.417	19.0	0.069	39.5	0.282	60.0	0.108	80.5	0.006
-2.0	0.546	6.2	0.417	19.5	0.072	40.0	0.281	60.5	0.106	81.0	0.006
-1.8	0.593	6.4	0.420	20.0	0.071	40.5	0.271	61.0	0.104	81.5	0.005
-1.6	0.640	6.6	0.424	20.5	0.064	41.0	0.255	61.5	0.102	82.0	0.005
-1.4	0.685	6.8	0.428	21.0	0.051	41.5	0.233	62.0	0.099	82.5	0.004
-1.2	0.730	7.0	0.432	21.5	0.031	42.0	0.209	62.5	0.095	83.0	0.004
-1.0	0.772	7.2	0.436	22.0	0.006	42.5	0.184	63.0	0.091	83.5	0.003
-0.8	0.811	7.4	0.437	22.5	0.022	43.0	0.166	63.5	0.086	84.0	0.003
-0.6	0.848	7.6	0.438	23.0	0.051	43.5	0.158	64.0	0.081	84.5	0.002
-0.4	0.882	7.8	0.436	23.5	0.079	44.0	0.166	64.5	0.074	85.0	0.002
-0.2	0.911	8.0	0.431	24.0	0.104	44.5	0.187	65.0	0.068	85.5	0.002
0.0	0.937	8.2	0.425	24.5	0.125	45.0	0.218	65.5	0.062	86.0	0.001
0.2	0.958	8.4	0.415	25.0	0.140	45.5	0.252	66.0	0.056	86.5	0.001
0.4	0.976	8.6	0.404	25.5	0.149	46.0	0.287	66.5	0.050	87.0	0.001
0.6	0.988	8.8	0.389	26.0	0.153	46.5	0.320	67.0	0.044	87.5	0.000
0.8	0.996	9.0	0.373	26.5	0.152	47.0	0.349	67.5	0.039	88.0	0.000
1.0	1.000	9.2	0.354	27.0	0.147	47.5	0.374	68.0	0.034	88.5	0.000
1.2	0.999	9.4	0.333	27.5	0.143	48.0	0.393	68.5	0.029	89.0	0.000
1.4	0.993	9.6	0.311	28.0	0.143	48.5	0.407	69.0	0.024	89.5	0.000
1.6	0.983	9.8	0.299	28.5	0.147	49.0	0.415	69.5	0.021	90.0	0.000
1.8	0.969	10.0	0.274	29.0	0.158	49.5	0.417	70.0	0.017		
2.0	0.951	10.2	0.249	29.5	0.173	50.0	0.414	70.5	0.014		
2.2	0.929	10.4	0.223	30.0	0.189	50.5	0.406	71.0	0.012		

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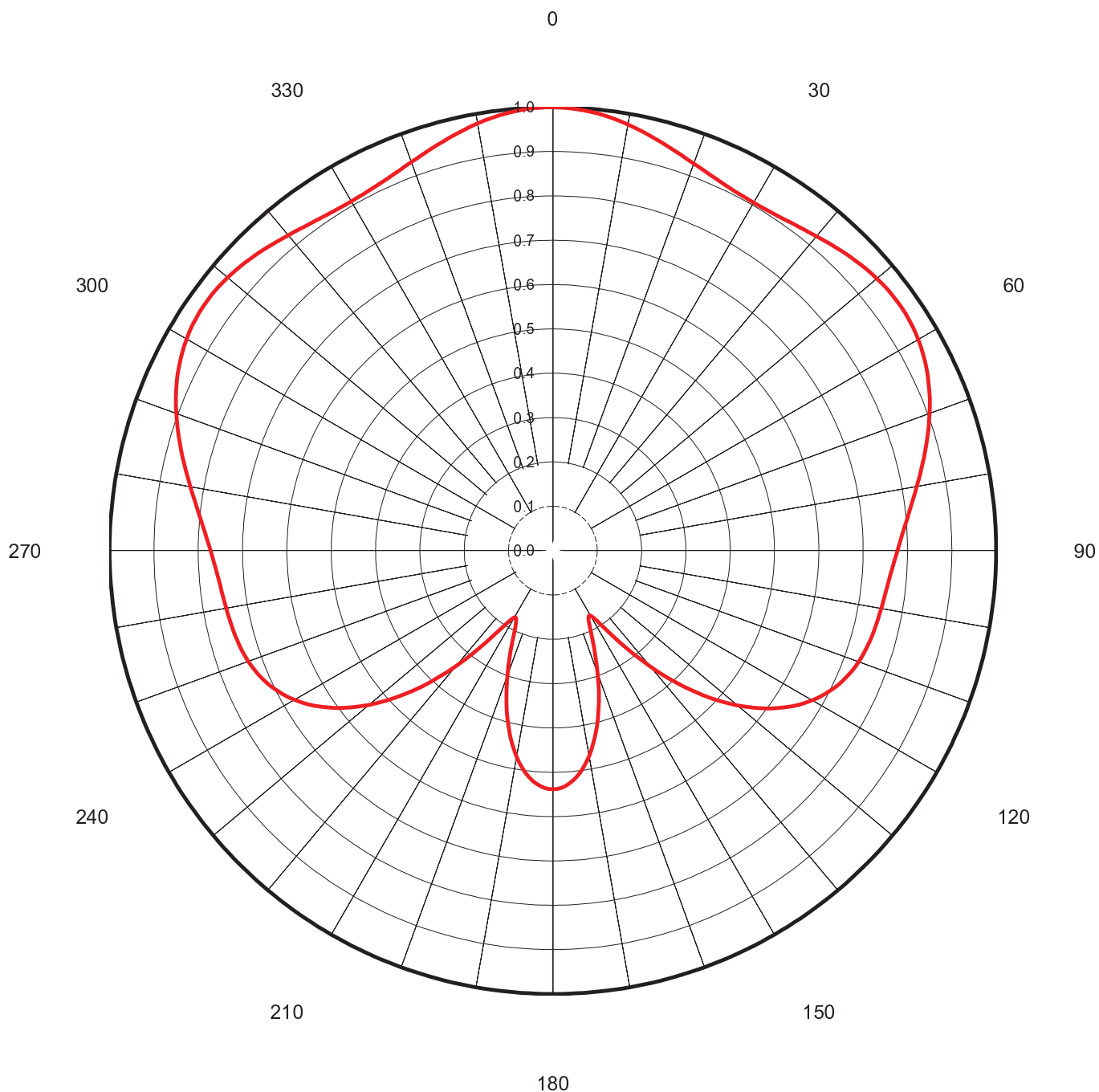
Proposal Number **C-06377**
 Date **17-Jun-16**
 Call Letters
 Location
 Customer
 Antenna Type **TFU-8WB-1-R**

Channel **51**

AZIMUTH PATTERN

Gain **1.73** **(2.38 dB)**
 Calculated / Measured **Calculated**

Frequency **695.00 MHz**
 Drawing # **WB-C170H-51**





Proposal Number

C-06377

Date

17-Jun-16

Call Letters

Channel

51

Location

Customer

Antenna Type

TFU-8WB-1-R**TABULATION OF AZIMUTH PATTERN**Azimuth Pattern Drawing #: **WB-C170H-51**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.942	90	0.777	135	0.449	180	0.538	225	0.447	270	0.772	315	0.945
1	1.000	46	0.945	91	0.773	136	0.428	181	0.538	226	0.467	271	0.777	316	0.942
2	0.999	47	0.948	92	0.770	137	0.406	182	0.536	227	0.487	272	0.781	317	0.939
3	0.997	48	0.950	93	0.767	138	0.385	183	0.532	228	0.506	273	0.786	318	0.935
4	0.996	49	0.952	94	0.764	139	0.363	184	0.528	229	0.524	274	0.792	319	0.932
5	0.993	50	0.955	95	0.761	140	0.341	185	0.521	230	0.541	275	0.797	320	0.929
6	0.990	51	0.956	96	0.759	141	0.319	186	0.514	231	0.558	276	0.803	321	0.926
7	0.987	52	0.957	97	0.757	142	0.297	187	0.505	232	0.574	277	0.810	322	0.923
8	0.984	53	0.958	98	0.755	143	0.275	188	0.495	233	0.589	278	0.816	323	0.920
9	0.980	54	0.959	99	0.754	144	0.254	189	0.484	234	0.604	279	0.823	324	0.917
10	0.976	55	0.959	100	0.752	145	0.234	190	0.472	235	0.617	280	0.830	325	0.915
11	0.971	56	0.958	101	0.751	146	0.216	191	0.458	236	0.630	281	0.838	326	0.913
12	0.967	57	0.957	102	0.749	147	0.199	192	0.444	237	0.642	282	0.845	327	0.911
13	0.962	58	0.956	103	0.748	148	0.186	193	0.428	238	0.653	283	0.853	328	0.910
14	0.957	59	0.954	104	0.747	149	0.176	194	0.412	239	0.664	284	0.860	329	0.910
15	0.952	60	0.952	105	0.745	150	0.169	195	0.395	240	0.673	285	0.868	330	0.910
16	0.947	61	0.949	106	0.743	151	0.168	196	0.377	241	0.682	286	0.875	331	0.910
17	0.943	62	0.946	107	0.742	152	0.171	197	0.358	242	0.690	287	0.883	332	0.911
18	0.938	63	0.942	108	0.739	153	0.178	198	0.339	243	0.697	288	0.890	333	0.912
19	0.933	64	0.938	109	0.737	154	0.189	199	0.319	244	0.704	289	0.897	334	0.914
20	0.929	65	0.933	110	0.734	155	0.203	200	0.300	245	0.710	290	0.904	335	0.916
21	0.925	66	0.928	111	0.731	156	0.220	201	0.280	246	0.715	291	0.911	336	0.918
22	0.921	67	0.923	112	0.727	157	0.238	202	0.261	247	0.720	292	0.917	337	0.921
23	0.918	68	0.917	113	0.723	158	0.257	203	0.242	248	0.724	293	0.923	338	0.925
24	0.915	69	0.911	114	0.718	159	0.276	204	0.224	249	0.728	294	0.929	339	0.929
25	0.912	70	0.904	115	0.712	160	0.296	205	0.208	250	0.731	295	0.934	340	0.933
26	0.910	71	0.898	116	0.706	161	0.316	206	0.194	251	0.734	296	0.939	341	0.937
27	0.908	72	0.891	117	0.700	162	0.336	207	0.183	252	0.736	297	0.944	342	0.941
28	0.907	73	0.884	118	0.692	163	0.355	208	0.176	253	0.738	298	0.948	343	0.946
29	0.906	74	0.877	119	0.684	164	0.374	209	0.173	254	0.740	299	0.951	344	0.951
30	0.906	75	0.870	120	0.675	165	0.392	210	0.174	255	0.742	300	0.954	345	0.956
31	0.906	76	0.862	121	0.666	166	0.410	211	0.179	256	0.743	301	0.957	346	0.960
32	0.907	77	0.855	122	0.655	167	0.426	212	0.189	257	0.744	302	0.959	347	0.965
33	0.908	78	0.848	123	0.644	168	0.442	213	0.202	258	0.746	303	0.960	348	0.970
34	0.910	79	0.841	124	0.632	169	0.457	214	0.218	259	0.747	304	0.961	349	0.974
35	0.912	80	0.834	125	0.619	170	0.470	215	0.236	260	0.748	305	0.962	350	0.978
36	0.914	81	0.827	126	0.606	171	0.483	216	0.255	261	0.749	306	0.962	351	0.982
37	0.916	82	0.820	127	0.591	172	0.494	217	0.276	262	0.751	307	0.962	352	0.986
38	0.919	83	0.814	128	0.576	173	0.504	218	0.297	263	0.753	308	0.961	353	0.989
39	0.922	84	0.808	129	0.560	174	0.513	219	0.318	264	0.755	309	0.960	354	0.992
40	0.925	85	0.802	130	0.543	175	0.521	220	0.340	265	0.757	310	0.958	355	0.995
41	0.929	86	0.796	131	0.526	176	0.527	221	0.362	266	0.759	311	0.956	356	0.997
42	0.932	87	0.791	132	0.507	177	0.532	222	0.384	267	0.762	312	0.954	357	0.998
43	0.935	88	0.786	133	0.488	178	0.535	223	0.405	268	0.765	313	0.951	358	0.999
44	0.938	89	0.781	134	0.469	179	0.538	224	0.426	269	0.769	314	0.948	359	1.000

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