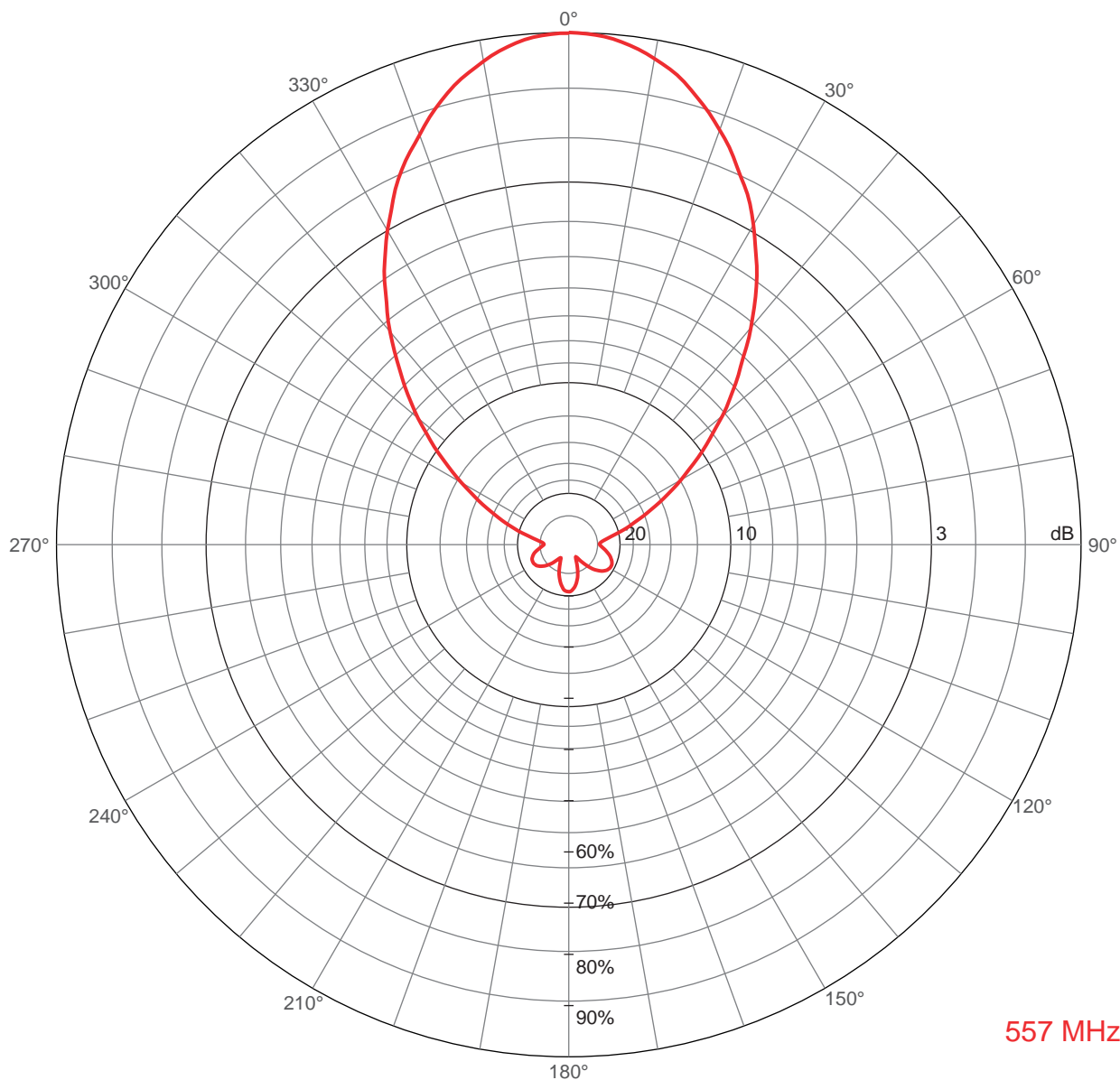


Azimuthal Pattern (polar-linear)



Antenna, Order No. 75010210

Panels per Bay: 1

Frequency: 557 MHz

Azimuthal Directivity: 7.43 dB

Directivity: 11.1 dBd

No.	Azimuth [°]	Radius [mm]	Offset [mm]	Power	Phase [°]
1	0	270	0	1	0

Azimuthal Pattern

Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB
0	0	45	-6.59	90	-24.38	135	-23.38	180	-20.73	225	-25.13	270	-26.27	315	-6.74
1	-0.01	46	-6.88	91	-24.26	136	-23.77	181	-20.75	226	-24.82	271	-26.29	316	-6.46
2	-0.02	47	-7.2	92	-24.11	137	-24.24	182	-20.77	227	-24.51	272	-26.21	317	-6.16
3	-0.03	48	-7.5	93	-23.94	138	-24.73	183	-20.8	228	-24.19	273	-26.09	318	-5.87
4	-0.05	49	-7.79	94	-23.77	139	-25.22	184	-20.86	229	-23.94	274	-25.88	319	-5.59
5	-0.08	50	-8.13	95	-23.57	140	-25.75	185	-20.92	230	-23.73	275	-25.55	320	-5.31
6	-0.12	51	-8.52	96	-23.36	141	-26.32	186	-21.02	231	-23.5	276	-25.1	321	-5.04
7	-0.16	52	-8.89	97	-23.15	142	-26.92	187	-21.18	232	-23.29	277	-24.63	322	-4.8
8	-0.2	53	-9.22	98	-22.94	143	-27.49	188	-21.39	233	-23.09	278	-24.17	323	-4.57
9	-0.26	54	-9.57	99	-22.73	144	-28.07	189	-21.62	234	-22.93	279	-23.64	324	-4.32
10	-0.32	55	-9.94	100	-22.56	145	-28.78	190	-21.83	235	-22.78	280	-23.06	325	-4.06
11	-0.39	56	-10.32	101	-22.37	146	-29.55	191	-22.06	236	-22.63	281	-22.51	326	-3.82
12	-0.45	57	-10.73	102	-22.18	147	-30.23	192	-22.32	237	-22.5	282	-21.95	327	-3.61
13	-0.53	58	-11.16	103	-21.99	148	-30.66	193	-22.62	238	-22.42	283	-21.28	328	-3.41
14	-0.62	59	-11.55	104	-21.81	149	-31	194	-22.93	239	-22.37	284	-20.56	329	-3.2
15	-0.73	60	-11.93	105	-21.65	150	-31.18	195	-23.25	240	-22.32	285	-19.91	330	-3
16	-0.83	61	-12.34	106	-21.49	151	-31.12	196	-23.58	241	-22.24	286	-19.38	331	-2.82
17	-0.94	62	-12.8	107	-21.37	152	-30.81	197	-23.93	242	-22.19	287	-18.83	332	-2.64
18	-1.05	63	-13.26	108	-21.26	153	-30.4	198	-24.29	243	-22.18	288	-18.24	333	-2.44
19	-1.17	64	-13.71	109	-21.14	154	-29.9	199	-24.7	244	-22.18	289	-17.67	334	-2.24
20	-1.3	65	-14.17	110	-21.01	155	-29.29	200	-25.19	245	-22.18	290	-17.15	335	-2.08
21	-1.42	66	-14.67	111	-20.92	156	-28.61	201	-25.75	246	-22.19	291	-16.65	336	-1.92
22	-1.55	67	-15.18	112	-20.84	157	-27.92	202	-26.29	247	-22.21	292	-16.17	337	-1.78
23	-1.7	68	-15.66	113	-20.77	158	-27.27	203	-26.82	248	-22.24	293	-15.67	338	-1.65
24	-1.86	69	-16.13	114	-20.71	159	-26.65	204	-27.39	249	-22.29	294	-15.14	339	-1.53
25	-2.01	70	-16.67	115	-20.66	160	-26.04	205	-27.94	250	-22.38	295	-14.63	340	-1.4
26	-2.15	71	-17.22	116	-20.64	161	-25.45	206	-28.43	251	-22.5	296	-14.16	341	-1.26
27	-2.29	72	-17.69	117	-20.65	162	-24.93	207	-28.9	252	-22.6	297	-13.73	342	-1.13
28	-2.46	73	-18.12	118	-20.66	163	-24.47	208	-29.4	253	-22.72	298	-13.28	343	-1.01
29	-2.65	74	-18.61	119	-20.67	164	-23.97	209	-29.9	254	-22.85	299	-12.8	344	-0.9
30	-2.84	75	-19.17	120	-20.71	165	-23.54	210	-30.26	255	-23	300	-12.32	345	-0.79
31	-3.05	76	-19.76	121	-20.77	166	-23.22	211	-30.4	256	-23.16	301	-11.88	346	-0.69
32	-3.26	77	-20.34	122	-20.84	167	-22.91	212	-30.37	257	-23.35	302	-11.45	347	-0.6
33	-3.46	78	-20.9	123	-20.9	168	-22.59	213	-30.2	258	-23.58	303	-11.04	348	-0.52
34	-3.66	79	-21.43	124	-20.98	169	-22.28	214	-29.9	259	-23.81	304	-10.62	349	-0.45
35	-3.87	80	-21.91	125	-21.11	170	-22.04	215	-29.53	260	-24.07	305	-10.19	350	-0.37
36	-4.11	81	-22.35	126	-21.25	171	-21.8	216	-29.09	261	-24.34	306	-9.78	351	-0.3
37	-4.35	82	-22.78	127	-21.39	172	-21.58	217	-28.61	262	-24.6	307	-9.41	352	-0.24
38	-4.61	83	-23.19	128	-21.55	173	-21.4	218	-28.16	263	-24.82	308	-9.06	353	-0.18
39	-4.88	84	-23.54	129	-21.73	174	-21.26	219	-27.68	264	-25.05	309	-8.68	354	-0.13
40	-5.14	85	-23.84	130	-21.97	175	-21.11	220	-27.17	265	-25.3	310	-8.31	355	-0.09
41	-5.41	86	-24.07	131	-22.23	176	-20.96	221	-26.65	266	-25.51	311	-7.98	356	-0.06
42	-5.72	87	-24.25	132	-22.5	177	-20.86	222	-26.2	267	-25.73	312	-7.66	357	-0.04
43	-6.04	88	-24.38	133	-22.77	178	-20.77	223	-25.83	268	-25.93	313	-7.34	358	-0.02
44	-6.32	89	-24.42	134	-23.05	179	-20.73	224	-25.47	269	-26.14	314	-7.03	359	-0.01

Frequency: 557 MHz

Gain: 11.1 dBd

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1x1 750 10210

ch 16 / 18

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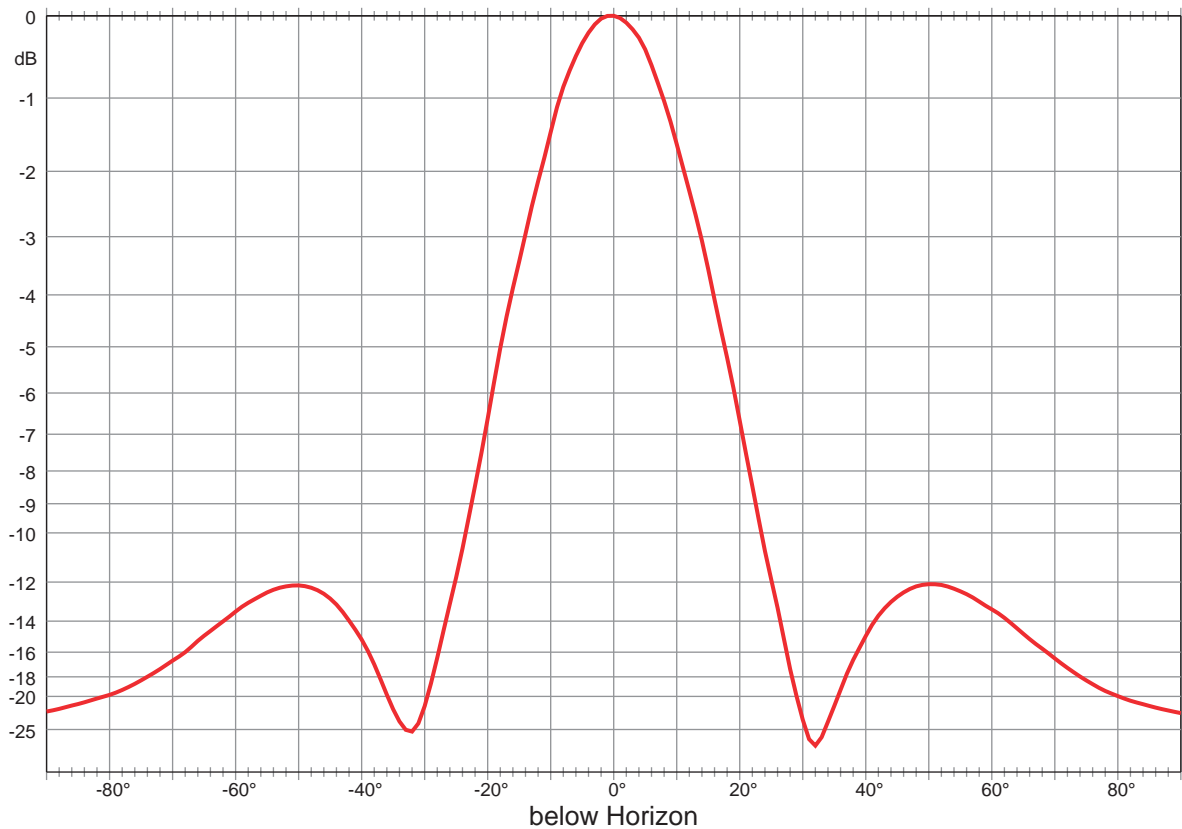
Date: 2018.05.25

Page: 5

TABULATED DATA FOR AZIMUTH PATTERN

ANGLE	FIELD	ANGLE	FIELD	ANGLE	FIELD	ANGLE	FIELD	ANGLE	FIELD	ANGLE	FIELD	ANGLE	FIELD
0	1.000	52	0.359	104	0.081	156	0.037	208	0.034	260	0.063	312	0.414
1	0.999	53	0.346	105	0.083	157	0.040	209	0.032	261	0.061	313	0.430
2	0.998	54	0.332	106	0.084	158	0.043	210	0.031	262	0.059	314	0.445
3	0.997	55	0.318	107	0.085	159	0.047	211	0.030	263	0.057	315	0.460
4	0.994	56	0.305	108	0.086	160	0.050	212	0.030	264	0.056	316	0.475
5	0.991	57	0.291	109	0.088	161	0.053	213	0.031	265	0.054	317	0.492
6	0.986	58	0.277	110	0.089	162	0.057	214	0.032	266	0.053	318	0.509
7	0.982	59	0.265	111	0.090	163	0.060	215	0.033	267	0.052	319	0.525
8	0.977	60	0.253	112	0.091	164	0.063	216	0.035	268	0.051	320	0.543
9	0.971	61	0.242	113	0.092	165	0.067	217	0.037	269	0.049	321	0.560
10	0.964	62	0.229	114	0.092	166	0.069	218	0.039	270	0.049	322	0.575
11	0.956	63	0.217	115	0.093	167	0.072	219	0.041	271	0.048	323	0.591
12	0.950	64	0.206	116	0.093	168	0.074	220	0.044	272	0.049	324	0.608
13	0.941	65	0.196	117	0.093	169	0.077	221	0.047	273	0.050	325	0.627
14	0.931	66	0.185	118	0.093	170	0.079	222	0.049	274	0.051	326	0.644
15	0.919	67	0.174	119	0.093	171	0.081	223	0.051	275	0.053	327	0.660
16	0.909	68	0.165	120	0.092	172	0.083	224	0.053	276	0.056	328	0.675
17	0.897	69	0.156	121	0.092	173	0.085	225	0.055	277	0.059	329	0.692
18	0.886	70	0.147	122	0.091	174	0.086	226	0.057	278	0.062	330	0.708
19	0.874	71	0.138	123	0.090	175	0.088	227	0.059	279	0.066	331	0.723
20	0.861	72	0.130	124	0.089	176	0.090	228	0.062	280	0.070	332	0.738
21	0.849	73	0.124	125	0.088	177	0.091	229	0.064	281	0.075	333	0.755
22	0.837	74	0.117	126	0.087	178	0.092	230	0.065	282	0.080	334	0.773
23	0.822	75	0.110	127	0.085	179	0.092	231	0.067	283	0.086	335	0.787
24	0.807	76	0.103	128	0.084	180	0.092	232	0.068	284	0.094	336	0.802
25	0.793	77	0.096	129	0.082	181	0.092	233	0.070	285	0.101	337	0.815
26	0.781	78	0.090	130	0.080	182	0.092	234	0.071	286	0.107	338	0.827
27	0.768	79	0.085	131	0.077	183	0.091	235	0.073	287	0.114	339	0.838
28	0.753	80	0.080	132	0.075	184	0.091	236	0.074	288	0.122	340	0.851
29	0.737	81	0.076	133	0.073	185	0.090	237	0.075	289	0.131	341	0.865
30	0.721	82	0.073	134	0.070	186	0.089	238	0.076	290	0.139	342	0.878
31	0.704	83	0.069	135	0.068	187	0.087	239	0.076	291	0.147	343	0.890
32	0.687	84	0.067	136	0.065	188	0.085	240	0.077	292	0.155	344	0.902
33	0.671	85	0.064	137	0.061	189	0.083	241	0.077	293	0.165	345	0.913
34	0.656	86	0.063	138	0.058	190	0.081	242	0.078	294	0.175	346	0.924
35	0.640	87	0.061	139	0.055	191	0.079	243	0.078	295	0.186	347	0.933
36	0.623	88	0.060	140	0.052	192	0.077	244	0.078	296	0.196	348	0.942
37	0.606	89	0.060	141	0.048	193	0.074	245	0.078	297	0.206	349	0.950
38	0.588	90	0.060	142	0.045	194	0.071	246	0.078	298	0.217	350	0.958
39	0.570	91	0.061	143	0.042	195	0.069	247	0.078	299	0.229	351	0.966
40	0.553	92	0.062	144	0.039	196	0.066	248	0.077	300	0.242	352	0.973
41	0.536	93	0.064	145	0.036	197	0.064	249	0.077	301	0.255	353	0.979
42	0.518	94	0.065	146	0.033	198	0.061	250	0.076	302	0.268	354	0.985
43	0.499	95	0.066	147	0.031	199	0.058	251	0.075	303	0.281	355	0.990
44	0.483	96	0.068	148	0.029	200	0.055	252	0.074	304	0.294	356	0.993
45	0.468	97	0.070	149	0.028	201	0.052	253	0.073	305	0.309	357	0.995
46	0.453	98	0.071	150	0.028	202	0.048	254	0.072	306	0.324	358	0.998
47	0.437	99	0.073	151	0.028	203	0.046	255	0.071	307	0.338	359	0.999
48	0.422	100	0.074	152	0.029	204	0.043	256	0.070	308	0.352		
49	0.408	101	0.076	153	0.030	205	0.040	257	0.068	309	0.368		
50	0.392	102	0.078	154	0.032	206	0.038	258	0.066	310	0.384		
51	0.375	103	0.080	155	0.034	207	0.036	259	0.064	311	0.399		

Elevation Pattern (cartesian-linear)



557 MHz

Antenna, Order No. 75010210

Number of Bays: 1

Frequency: 557 MHz

Elevation Directivity: 3.67 dBd

Directivity: 11.1 dBd

Downtilt: 0°

Compensation: 0 %

No.	Vert. Distance [mm]	Power	Phase [°]
1	0	1	0

Subject to alternation

Elevation Pattern

Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB	Angle	dB
0	0	45	-12.7	90	-22.17	135	-34.52	180	-23.4	225	-38.06	270	-21.94	315	-12.79
1	-0.03	46	-12.49	91	-22.35	136	-34.56	181	-23.41	226	-37.65	271	-21.77	316	-13.09
2	-0.08	47	-12.32	92	-22.52	137	-34.47	182	-23.49	227	-37.14	272	-21.57	317	-13.49
3	-0.16	48	-12.2	93	-22.69	138	-34.38	183	-23.65	228	-36.71	273	-21.34	318	-13.97
4	-0.25	49	-12.13	94	-22.85	139	-34.29	184	-23.89	229	-36.42	274	-21.12	319	-14.51
5	-0.4	50	-12.1	95	-23.04	140	-34.29	185	-24.1	230	-36.08	275	-20.92	320	-15.13
6	-0.59	51	-12.1	96	-23.22	141	-34.24	186	-24.24	231	-35.65	276	-20.71	321	-15.92
7	-0.81	52	-12.13	97	-23.4	142	-34.15	187	-24.35	232	-35.29	277	-20.47	322	-16.94
8	-1.04	53	-12.21	98	-23.58	143	-33.94	188	-24.48	233	-34.94	278	-20.25	323	-18.23
9	-1.31	54	-12.31	99	-23.77	144	-33.72	189	-24.67	234	-34.56	279	-20.03	324	-19.81
10	-1.62	55	-12.43	100	-24	145	-33.51	190	-24.9	235	-34.11	280	-19.83	325	-21.62
11	-1.95	56	-12.57	101	-24.21	146	-33.27	191	-25.15	236	-33.68	281	-19.58	326	-23.49
12	-2.29	57	-12.74	102	-24.45	147	-32.96	192	-25.45	237	-33.19	282	-19.29	327	-25.07
13	-2.66	58	-12.94	103	-24.73	148	-32.62	193	-25.78	238	-32.77	283	-18.98	328	-25.43
14	-3.07	59	-13.15	104	-25.04	149	-32.36	194	-26.13	239	-32.29	284	-18.67	329	-23.84
15	-3.54	60	-13.35	105	-25.3	150	-32.01	195	-26.45	240	-31.84	285	-18.33	330	-21.2
16	-4.09	61	-13.56	106	-25.55	151	-31.47	196	-26.78	241	-31.37	286	-17.99	331	-18.62
17	-4.65	62	-13.81	107	-25.81	152	-30.84	197	-27.21	242	-30.93	287	-17.66	332	-16.41
18	-5.23	63	-14.11	108	-26.11	153	-30.37	198	-27.68	243	-30.54	288	-17.32	333	-14.56
19	-5.88	64	-14.42	109	-26.41	154	-30.01	199	-28.2	244	-30.12	289	-16.97	334	-13.05
20	-6.66	65	-14.76	110	-26.69	155	-29.66	200	-28.75	245	-29.63	290	-16.64	335	-11.78
21	-7.52	66	-15.1	111	-26.94	156	-29.29	201	-29.32	246	-29.12	291	-16.33	336	-10.59
22	-8.45	67	-15.43	112	-27.23	157	-28.92	202	-29.9	247	-28.61	292	-16	337	-9.45
23	-9.51	68	-15.75	113	-27.62	158	-28.57	203	-30.43	248	-28.18	293	-15.61	338	-8.43
24	-10.69	69	-16.09	114	-28	159	-28.16	204	-30.96	249	-27.79	294	-15.22	339	-7.5
25	-11.89	70	-16.47	115	-28.36	160	-27.74	205	-31.63	250	-27.37	295	-14.88	340	-6.61
26	-13.26	71	-16.84	116	-28.71	161	-27.33	206	-32.4	251	-26.96	296	-14.59	341	-5.77
27	-15.07	72	-17.22	117	-29.04	162	-26.94	207	-33.11	252	-26.58	297	-14.29	342	-5.03
28	-17.33	73	-17.6	118	-29.42	163	-26.58	208	-33.68	253	-26.25	298	-14.01	343	-4.4
29	-19.93	74	-17.97	119	-29.79	164	-26.21	209	-34.2	254	-25.93	299	-13.74	344	-3.88
30	-23.2	75	-18.34	120	-30.2	165	-25.93	210	-34.75	255	-25.6	300	-13.47	345	-3.41
31	-27.23	76	-18.7	121	-30.57	166	-25.71	211	-35.34	256	-25.22	301	-13.21	346	-2.96
32	-29.14	77	-19.06	122	-30.96	167	-25.5	212	-35.81	257	-24.88	302	-13	347	-2.52
33	-26.73	78	-19.4	123	-31.4	168	-25.19	213	-36.31	258	-24.63	303	-12.82	348	-2.15
34	-23.54	79	-19.68	124	-31.87	169	-24.84	214	-36.83	259	-24.39	304	-12.65	349	-1.8
35	-21.18	80	-19.97	125	-32.29	170	-24.54	215	-37.33	260	-24.12	305	-12.49	350	-1.45
36	-19.28	81	-20.25	126	-32.65	171	-24.34	216	-37.72	261	-23.82	306	-12.36	351	-1.12
37	-17.73	82	-20.51	127	-33.03	172	-24.12	217	-38.13	262	-23.56	307	-12.26	352	-0.86
38	-16.58	83	-20.73	128	-33.35	173	-23.9	218	-38.42	263	-23.34	308	-12.2	353	-0.65
39	-15.69	84	-20.94	129	-33.64	174	-23.72	219	-38.56	264	-23.11	309	-12.16	354	-0.47
40	-14.9	85	-21.17	130	-33.81	175	-23.57	220	-38.64	265	-22.88	310	-12.15	355	-0.32
41	-14.22	86	-21.39	131	-33.98	176	-23.47	221	-38.56	266	-22.67	311	-12.19	356	-0.2
42	-13.69	87	-21.6	132	-34.15	177	-23.41	222	-38.42	267	-22.5	312	-12.26	357	-0.1
43	-13.29	88	-21.79	133	-34.33	178	-23.4	223	-38.27	268	-22.32	313	-12.38	358	-0.03
44	-12.96	89	-21.98	134	-34.47	179	-23.4	224	-38.2	269	-22.12	314	-12.55	359	0

Frequency: 557 MHz

Gain: 11.1 dBd

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1x1 750 10210

ch 16 / 18

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Date: 2018.05.25

Page: 6

Kathrein Scala 1x1 75010210 - Ch. 28

TABULATED DATA FOR ELEVATION PATTERN

ANGLE	FIELD	ANGLE	FIELD	ANGLE	FIELD
-10	0.846	24	0.292	58	0.225
-9	0.879	25	0.254	59	0.220
-8	0.906	26	0.217	60	0.215
-7	0.928	27	0.176	61	0.210
-6	0.947	28	0.136	62	0.204
-5	0.964	29	0.101	63	0.197
-4	0.977	30	0.069	64	0.190
-3	0.989	31	0.044	65	0.183
-2	0.997	32	0.035	66	0.176
-1	1.000	33	0.046	67	0.169
0	1.000	34	0.067	68	0.163
1	0.997	35	0.087	69	0.157
2	0.991	36	0.109	70	0.150
3	0.982	37	0.130	71	0.144
4	0.972	38	0.148	72	0.138
5	0.955	39	0.164	73	0.132
6	0.934	40	0.180	74	0.126
7	0.911	41	0.195	75	0.121
8	0.887	42	0.207	76	0.116
9	0.860	43	0.217	77	0.111
10	0.830	44	0.225	78	0.107
11	0.799	45	0.232	79	0.104
12	0.768	46	0.237	80	0.100
13	0.736	47	0.242	81	0.097
14	0.702	48	0.245	82	0.094
15	0.665	49	0.247	83	0.092
16	0.624	50	0.248	84	0.090
17	0.585	51	0.248	85	0.087
18	0.548	52	0.247	86	0.085
19	0.508	53	0.245	87	0.083
20	0.465	54	0.242	88	0.081
21	0.421	55	0.239	89	0.080
22	0.378	56	0.235	90	0.078
23	0.335	57	0.231		