

Model: **PHP80U22211E**
 Location: **HOUSTON**
 Customer:
 Date:

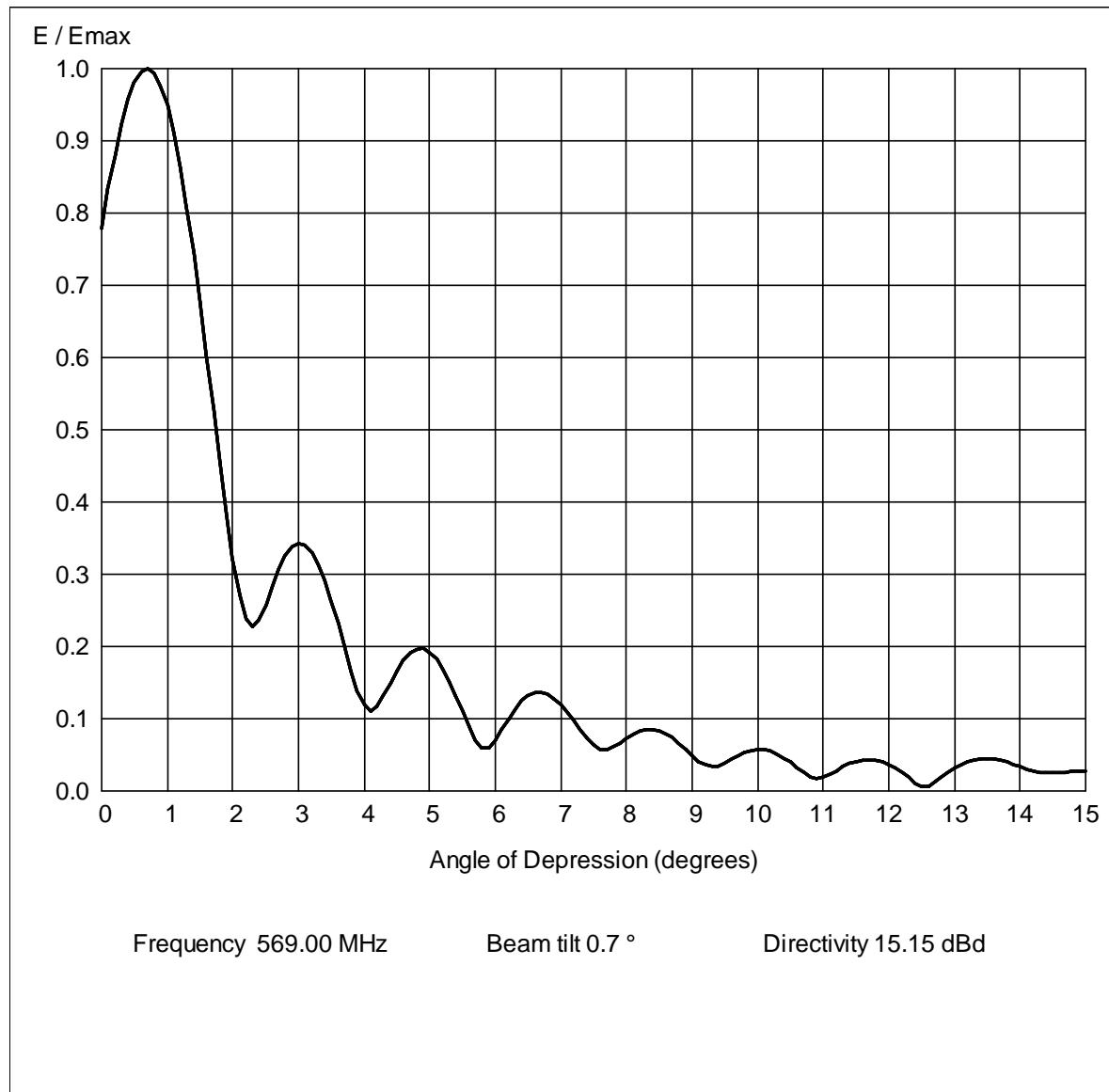
Polarisation: **Horizontal**
 Frequency (MHz): **569.00**
 Directivity: **1.74 dB**
 Elevation Angle: **0.7 degrees**
 Rotation Angle: **35 degrees**



TABULATED AZIMUTH PATTERN

Angl	Field																
0	0.869	45	0.921	90	0.775	135	0.885	180	0.794	225	0.617	270	0.768	315	0.885		
1	0.851	46	0.906	91	0.775	136	0.884	181	0.799	226	0.609	271	0.779	316	0.900		
2	0.831	47	0.891	92	0.781	137	0.883	182	0.802	227	0.601	272	0.791	317	0.913		
3	0.810	48	0.877	93	0.791	138	0.879	183	0.806	228	0.594	273	0.802	318	0.925		
4	0.791	49	0.865	94	0.803	139	0.876	184	0.806	229	0.589	274	0.813	319	0.938		
5	0.773	50	0.856	95	0.817	140	0.867	185	0.804	230	0.585	275	0.822	320	0.950		
6	0.756	51	0.857	96	0.833	141	0.856	186	0.802	231	0.584	276	0.828	321	0.960		
7	0.741	52	0.862	97	0.849	142	0.844	187	0.792	232	0.584	277	0.832	322	0.969		
8	0.726	53	0.870	98	0.865	143	0.832	188	0.781	233	0.591	278	0.834	323	0.976		
9	0.713	54	0.881	99	0.880	144	0.837	189	0.767	234	0.589	279	0.833	324	0.977		
10	0.703	55	0.893	100	0.895	145	0.827	190	0.753	235	0.589	280	0.831	325	0.977		
11	0.694	56	0.906	101	0.909	146	0.816	191	0.738	236	0.594	281	0.826	326	0.975		
12	0.687	57	0.920	102	0.922	147	0.803	192	0.725	237	0.603	282	0.820	327	0.972		
13	0.685	58	0.936	103	0.937	148	0.789	193	0.713	238	0.613	283	0.813	328	0.968		
14	0.687	59	0.950	104	0.952	149	0.777	194	0.703	239	0.626	284	0.801	329	0.964		
15	0.691	60	0.963	105	0.966	150	0.764	195	0.700	240	0.640	285	0.784	330	0.960		
16	0.699	61	0.972	106	0.978	151	0.753	196	0.699	241	0.652	286	0.768	331	0.949		
17	0.714	62	0.979	107	0.990	152	0.740	197	0.702	242	0.665	287	0.753	332	0.937		
18	0.722	63	0.985	108	0.995	153	0.728	198	0.707	243	0.676	288	0.754	333	0.925		
19	0.735	64	0.986	109	0.999	154	0.716	199	0.713	244	0.686	289	0.741	334	0.914		
20	0.752	65	0.987	110	0.999	155	0.703	200	0.720	245	0.696	290	0.728	335	0.903		
21	0.772	66	0.985	111	1	156	0.690	201	0.728	246	0.705	291	0.714	336	0.893		
22	0.793	67	0.983	112	0.996	157	0.678	202	0.737	247	0.716	292	0.701	337	0.884		
23	0.814	68	0.978	113	0.991	158	0.668	203	0.745	248	0.727	293	0.690	338	0.879		
24	0.836	69	0.970	114	0.984	159	0.66	204	0.752	249	0.739	294	0.680	339	0.882		
25	0.857	70	0.962	115	0.969	160	0.653	205	0.756	250	0.750	295	0.674	340	0.887		
26	0.878	71	0.953	116	0.954	161	0.658	206	0.76	251	0.760	296	0.666	341	0.895		
27	0.895	72	0.948	117	0.935	162	0.647	207	0.761	252	0.765	297	0.661	342	0.905		
28	0.911	73	0.936	118	0.916	163	0.640	208	0.761	253	0.769	298	0.658	343	0.915		
29	0.925	74	0.923	119	0.896	164	0.637	209	0.759	254	0.771	299	0.656	344	0.925		
30	0.938	75	0.908	120	0.877	165	0.640	210	0.755	255	0.774	300	0.657	345	0.935		
31	0.951	76	0.893	121	0.858	166	0.645	211	0.751	256	0.775	301	0.662	346	0.946		
32	0.964	77	0.880	122	0.843	167	0.654	212	0.741	257	0.775	302	0.669	347	0.955		
33	0.974	78	0.866	123	0.834	168	0.664	213	0.728	258	0.776	303	0.678	348	0.961		
34	0.982	79	0.854	124	0.829	169	0.674	214	0.715	259	0.770	304	0.689	349	0.964		
35	0.989	80	0.841	125	0.829	170	0.685	215	0.700	260	0.763	305	0.705	350	0.965		
36	0.990	81	0.828	126	0.831	171	0.696	216	0.709	261	0.755	306	0.716	351	0.964		
37	0.989	82	0.816	127	0.834	172	0.707	217	0.699	262	0.749	307	0.731	352	0.96		
38	0.986	83	0.804	128	0.84	173	0.717	218	0.688	263	0.742	308	0.749	353	0.954		
39	0.983	84	0.793	129	0.846	174	0.726	219	0.676	264	0.737	309	0.770	354	0.946		
40	0.977	85	0.784	130	0.855	175	0.738	220	0.665	265	0.733	310	0.789	355	0.938		
41	0.971	86	0.777	131	0.864	176	0.750	221	0.654	266	0.732	311	0.810	356	0.927		
42	0.965	87	0.773	132	0.872	177	0.763	222	0.643	267	0.738	312	0.831	357	0.911		
43	0.951	88	0.771	133	0.877	178	0.775	223	0.636	268	0.746	313	0.850	358	0.896		
44	0.936	89	0.780	134	0.882	179	0.788	224	0.626	269	0.756	314	0.869	359	0.881		

CH30 - 569MHz HPol VRP



Model: **PHP80U22211E**
 Location: **HOUSTON**
 Customer:
 Date:

Polarisation: **Horizontal**
 Frequency (MHz): **569.00**
 Directivity (Main Lobe): **15.15 dB**
 Beam Tilt: **0.7 degrees**



TABULATED ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angl	Field	Angle	Field	Angle	Field
-10	0.012	2.2	0.2768	27	0.0086	68	0.0047				
-9.5	0.0254	2.4	0.3271	28	0.0186	69	0.0044				
-8.5	0.024	2.6	0.362	29	0.0149	70	0.0026				
-8	0.0322	2.8	0.3608	30	0.0269	71	0.0012				
-7.5	0.0046	3	0.3226	31	0.0199	72	0.003				
-7	0.0337	3.2	0.2572	32	0.0122	73	0.0043				
-6.5	0.036	3.4	0.1845	33	0.0153	74	0.0045				
-6	0.0186	3.6	0.1381	34	0.0061	75	0.004				
-5.5	0.0542	3.8	0.1472	35	0.0137	76	0.0036				
-5	0.0606	4	0.1828	36	0.0146	77	0.0043				
-4.5	0.058	4.2	0.2075	37	0.0202	78	0.0055				
-4	0.0706	4.4	0.208	38	0.0165	79	0.0065				
-3.5	0.0587	4.6	0.1838	39	0.0064	80	0.0071				
-3	0.0866	4.8	0.1417	40	0.0133	81	0.0073				
-2.8	0.1034	5	0.0962	41	0.0075	82	0.0072				
-2.6	0.1126	5.5	0.11	42	0.0195	83	0.007				
-2.4	0.1123	6	0.1393	43	0.0275	84	0.0068				
-2.2	0.107	6.5	0.0876	44	0.0254	85	0.0066				
-2	0.1086	7	0.0802	45	0.0249	86	0.0065				
-1.8	0.1279	7.5	0.0872	46	0.0184	87	0.0064				
-1.6	0.162	8	0.0519	47	0.0173	88	0.0063				
-1.4	0.2004	8.5	0.0553	48	0.0308	89	0.0063				
-1.2	0.2371	9	0.0556	49	0.04	90	0.0063				
-1	0.2745	9.5	0.0293	50	0.0811						
-0.8	0.3231	10	0.0403	51	0.1547						
-0.6	0.396	11	0.0123	52	0.204						
-0.4	0.4975	12	0.02	53	0.1633						
-0.2	0.6203	13	0.0277	54	0.0655						
0	0.7492	14	0.015	55	0.0557						
0.2	0.8656	15	0.0106	56	0.0593						
0.4	0.9528	16	0.0258	57	0.0219						
0.6	0.997	17	0.0229	58	0.0302						
0.7	1	18	0.0065	59	0.0305						
0.8	0.9894	19	0.0252	60	0.0061						
0.9	0.9652	20	0.0237	61	0.0177						
1	0.9277	21	0.03	62	0.0257						
1.2	0.816	22	0.0546	63	0.0207						
1.4	0.6679	23	0.1105	64	0.0136						
1.6	0.5035	24	0.0915	65	0.0099						
1.8	0.3543	25	0.0191	66	0.0067						
2	0.2685	26	0.0205	67	0.0044						