



**무지향성 다이폴 안테나**  
**모델: DP-2450-05(7)**

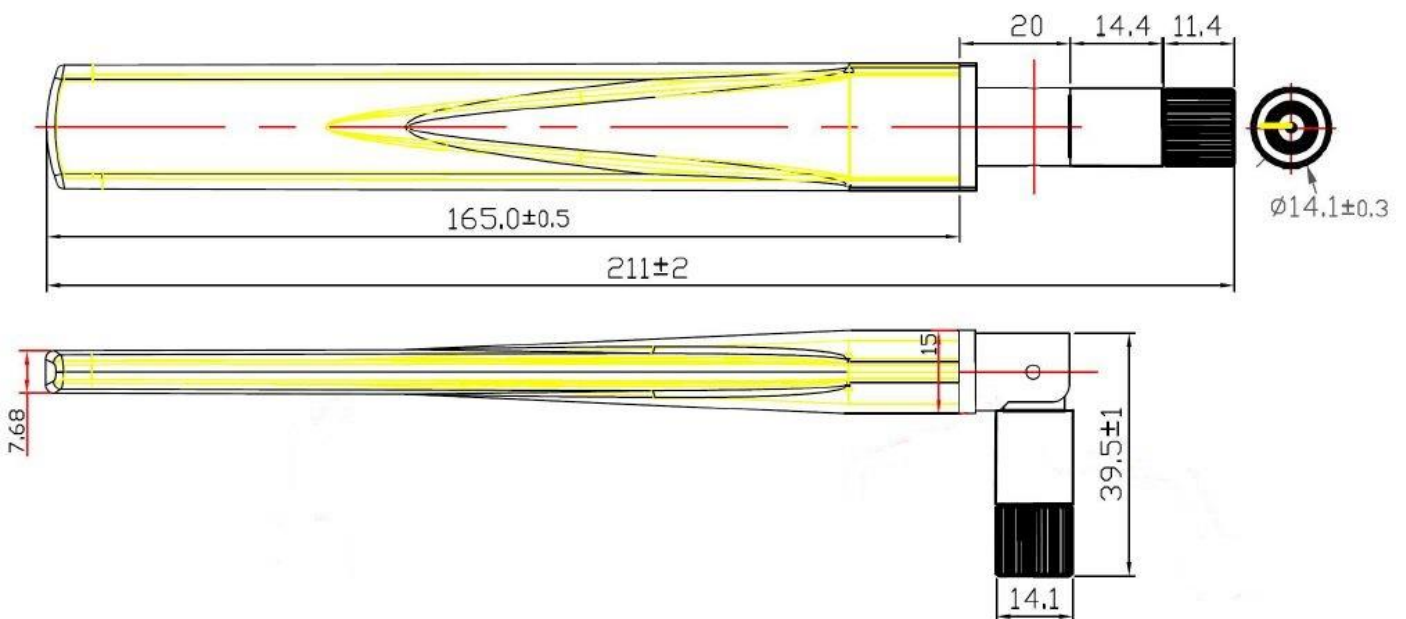
고성능 무지향성 안테나  
2.4/5 GHz 겸용  
실내 환경 사용

## DP-2450-05(7) 사양서

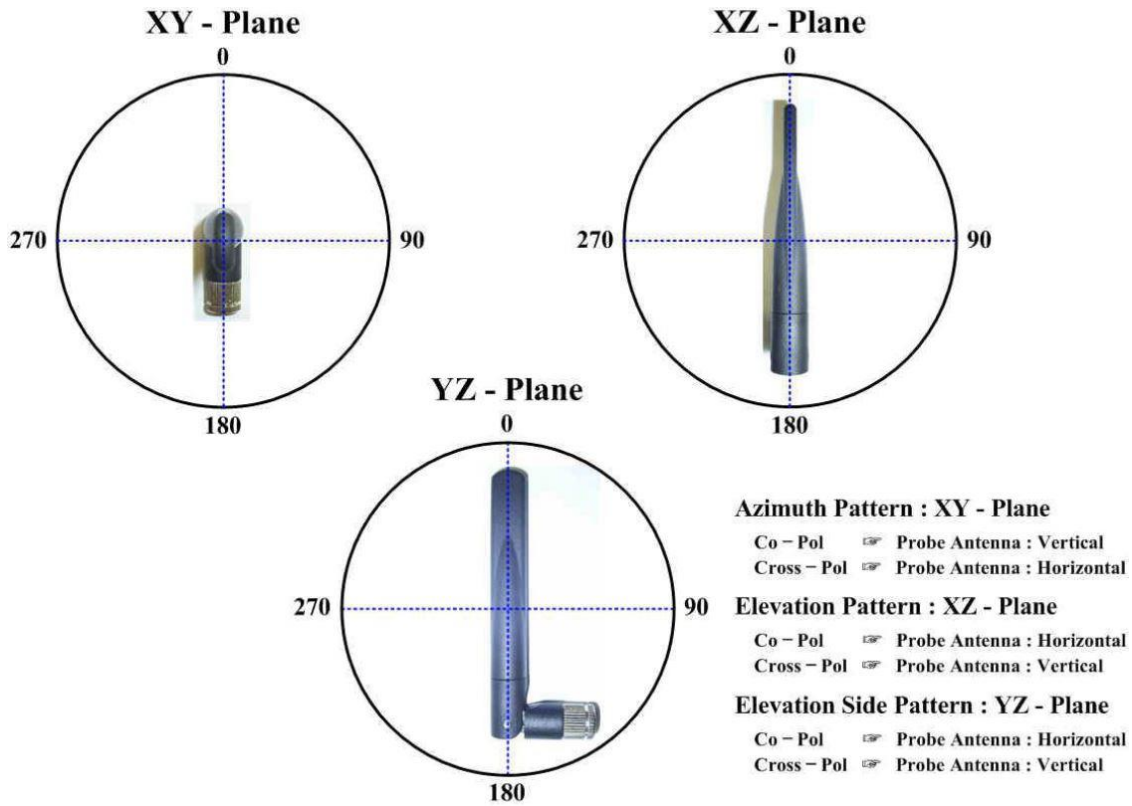
설치 환경	실내
지원 주파수	2400 ~ 2483.5 / 5150 ~ 5875 MHz
이득	5 dBi @ 2.4 GHz, 7 dBi @ 5 GHz
전압 정재파 비 (VSWR)	최대 2.0
임피던스	50 Ω
Polarization	Linear
커넥터	SMA Male
크기	211 x 23 x 15 mm
무게	33.5 g
동작 온도	-30 ~ +70°C
동작 습도	10 ~ 90%



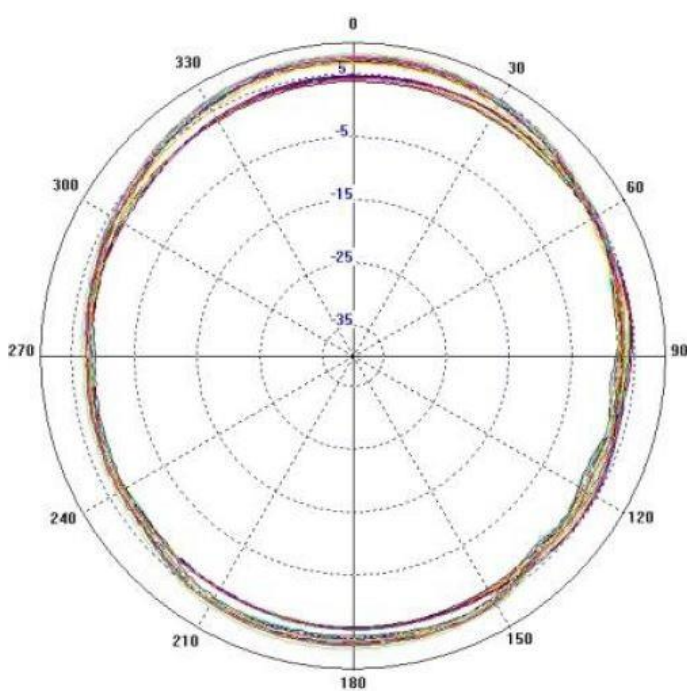
## Dimension



**Axis Definitions**

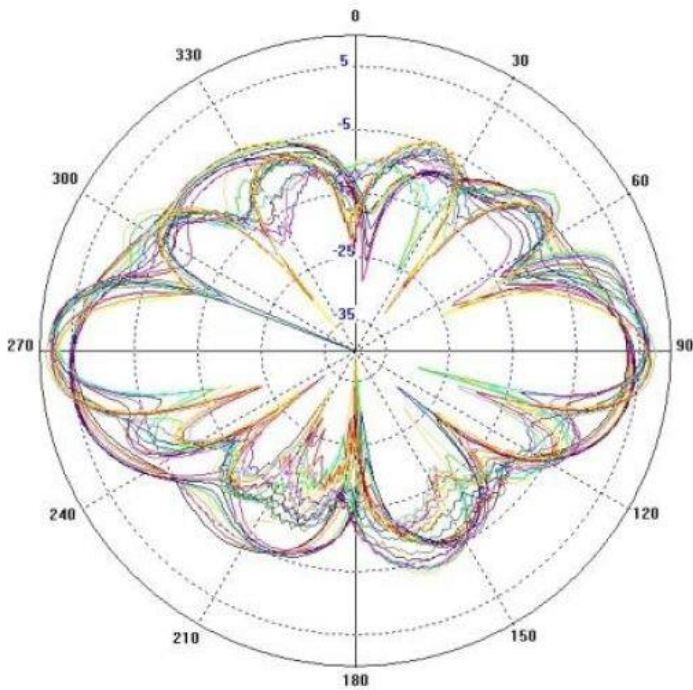


**Azimuth Pattern: Co-pol**



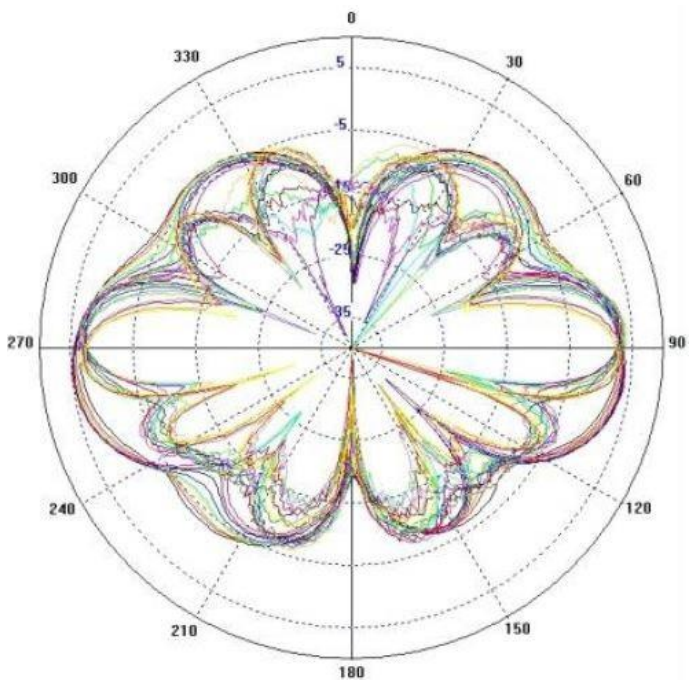
	Frequency [GHz]	Maximum [dB]	Degree	Minimum [dB]	Degree	Average [dB]	BeamWidth -3[dB]	F/B [dB]
Aver.	4.35	6.400	145.67	1.976	187.13	4.140	163.63	1.548
	2.4	3.931	61	1.992	235	3.085	N/A	1.214
	2.412	4.184	65	2.077	276	3.310	N/A	1.357
	2.422	4.475	360	2.059	273	3.492	N/A	0.794
	2.437	4.776	19	1.940	270	3.609	N/A	1.108
	2.442	4.892	16	1.929	268	3.665	N/A	1.216
	2.452	4.984	19	1.801	265	3.631	349.00	1.469
	2.462	4.841	26	1.708	266	3.475	351.00	1.539
	2.472	5.077	26	2.029	262	3.728	354.00	1.587
	2.4835	4.863	28	1.791	262	3.501	353.00	1.581
	5.15	7.319	23	1.897	91	4.530	123.00	2.119
	5.2	7.505	344	2.072	112	4.655	125.00	1.621
	5.25	6.837	342	1.314	270	4.048	129.00	1.437
	5.3	7.410	354	1.801	95	4.588	129.00	1.650
	5.35	7.754	358	2.074	95	4.828	123.00	1.795
	5.4	7.085	360	1.165	117	3.905	109.00	2.149
	5.47	7.908	6	2.031	113	4.769	106.00	1.998
	5.5	7.358	358	1.540	118	4.204	106.00	2.013
	5.55	7.412	357	1.926	116	4.476	108.00	1.629
	5.6	7.937	360	2.554	97	4.927	106.00	1.701
	5.65	8.316	2	2.994	118	5.348	104.00	1.586
	5.725	7.466	0	2.247	268	4.618	107.00	1.490
	5.755	7.635	4	2.540	119	4.728	106.00	1.529
	5.8	6.926	6	2.057	118	4.159	109.00	1.324
	5.825	6.703	2	1.897	267	4.074	112.00	1.248

**Elevation Pattern: Co-pol**



	Frequency [GHz]	Maximum [dB]	Degree	Minimum [dB]	Degree	Average [dB]	BeamWidth -3[dB]	F/B [dB]
Aver	4.35	6.886	268.96	-29.807	170.42	-7.090	23.88	1.517
	2.4	4.608	269	-30.185	181	-4.922	36.00	1.671
	2.412	4.953	268	-36.143	180	-5.088	35.00	1.751
	2.422	5.168	267	-38.203	179	-5.135	35.00	1.747
	2.437	5.274	266	-37.241	177	-5.303	35.00	1.394
	2.442	5.388	265	-35.997	176	-5.358	35.00	1.280
	2.452	5.364	265	-31.344	131	-5.619	34.00	1.072
	2.462	5.093	264	-23.415	7	-6.058	33.00	1.034
	2.472	5.211	263	-25.607	7	-6.202	33.00	1.035
	2.4835	4.988	264	-28.737	6	-6.953	32.00	1.011
	5.15	7.587	273	-48.050	185	-6.596	16.00	1.116
	5.2	7.513	273	-29.750	105	-7.176	17.00	1.242
	5.25	7.331	272	-26.225	208	-7.806	17.00	1.552
	5.3	7.988	272	-32.795	212	-7.451	17.00	1.775
	5.35	8.271	274	-22.696	232	-6.853	17.00	1.965
	5.4	7.905	272	-20.015	234	-6.906	18.00	2.170
	5.47	8.428	273	-18.385	235	-6.437	18.00	2.022
	5.5	7.970	273	-17.644	358	-7.124	19.00	2.002
	5.55	7.963	270	-40.326	292	-7.783	20.00	1.895
	5.6	8.234	270	-20.698	0	-7.959	20.00	1.727
	5.65	8.849	270	-23.707	359	-8.041	19.00	1.527
	5.725	7.890	268	-26.751	37	-9.812	18.00	1.350
	5.755	8.159	267	-33.627	232	-9.929	17.00	1.526
	5.8	7.618	269	-32.509	37	-9.964	16.00	1.326
	5.825	7.502	268	-35.324	320	-9.680	16.00	1.218

**Elevation Side Pattern: Co-pol**



	Frequency [GHz]	Maximum [dB]	Degree	Minimum [dB]	Degree	Average [dB]	BeamWidth -3[dB]	F/B [dB]
Aver	4.35	3.790	193.04	-34.383	126.46	-8.761	23.83	0.565
	2.4	3.651	269	-40.263	178	-5.318	36.00	0.977
	2.412	4.156	267	-33.606	178	-5.382	35.00	0.996
	2.422	4.496	266	-30.868	178	-5.470	34.00	1.061
	2.437	4.703	265	-27.764	1	-5.668	34.00	0.947
	2.442	4.816	265	-28.186	2	-5.719	33.00	0.939
	2.452	4.850	265	-29.387	2	-6.085	33.00	0.950
	2.462	4.649	264	-29.143	3	-6.774	32.00	1.048
	2.472	4.884	264	-32.491	132	-7.094	32.00	1.151
	2.4835	4.817	264	-29.489	3	-7.711	32.00	1.346
	5.15	4.059	86	-49.671	105	-8.671	19.00	0.609
	5.2	3.818	86	-32.766	144	-9.249	20.00	0.289
	5.25	3.175	273	-39.346	33	-10.407	18.00	0.295
	5.3	3.717	274	-37.885	335	-10.342	18.00	0.516
	5.35	3.515	274	-27.688	180	-9.591	18.00	0.060
	5.4	3.040	86	-28.792	181	-9.533	19.00	0.233
	5.47	3.500	87	-28.844	181	-8.885	19.00	0.320
	5.5	2.936	88	-33.347	181	-9.788	20.00	0.201
	5.55	3.115	90	-35.127	181	-10.496	19.00	0.465
	5.6	3.198	89	-35.612	180	-10.893	19.00	0.142
	5.65	3.826	270	-46.176	42	-11.101	18.00	0.156
	5.725	3.173	91	-35.798	182	-12.055	16.00	0.420
	5.755	3.399	91	-44.384	108	-11.500	16.00	0.276
	5.8	2.792	91	-32.560	144	-11.367	17.00	0.039
	5.825	2.672	268	-35.988	181	-11.177	15.00	0.113

**견적/기술 문의**

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DATASHEET – DP-2450-05(7)

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