



PAS-K01

UWB Antenna
specification



PAS-K01 UWB Antenna specification

1. Measurement Agency: Korea Radio Promotion Association (RAPA)
2. Measurement Equipment: E8362B PNA Network Analyzer, Far-field 10m / ZNA26, Vector Network Analyzers, Far-field 7m
3. Antenna Type: PCB Pattern Antenna

PAS-K01 UWB Antenna specification

4. Passive gain measurement

PT : PCB pattern antenna

			PwrSum					H(Theta =90)					E1(Phi=0)					E2(Phi=9 0)				
No.	Freq.		Eff.[%]	Avg.[dBi]	Peak[dBi]	Theta[de g]	Phi[deg]		Avg.[dBi]	Peak[dBi]	Phi[deg]	BW[deg]		Avg.[dBi]	Peak[dBi]	Theta[de g]	BW[deg]		Avg.[dBi]	Peak[dBi]	Theta[de g]	BW[deg]
1	900		7.7	-11.13	-7.1	135	135		-10.36	-8.16	195	99.12		-10.8	-7.89	-95	81.98		-11.54	-8.44	145	85.83
2	1000		12.54	-9.02	-5.07	140	120		-9.29	-6.3	210	79.09		-8.3	-6.3	-100	247.99		-8.98	-5.46	145	67.06
3	1100		14.24	-8.46	-4.14	150	120		-8.71	-6.02	315	167.81		-7.95	-4.96	175	108.42		-8.05	-4.43	155	75.92
4	1500		21.71	-6.63	-2.59	-130	150		-6.33	-3.64	330	130.31		-5.31	-3.53	180	170.11		-7.4	-2.65	180	50.05
5	2400		43.09	-3.66	1.21	-145	45		-4.11	0.11	195	63.43		-2.73	-0.11	-145	124.45		-5.13	-0.06	-175	192.87
6	3000		51.91	-2.85	1.86	-85	150		-3.2	1.34	330	51.16		-5.19	-2.3	-70	136.59		-3.71	1.16	-150	35.63
7	3743.6		78.34	-1.06	3.66	-110	45		-1.09	3.15	315	45.85		-5.69	-1.88	-100	74.69		-2.11	2.51	-140	36.68
8	3993.6		78.41	-1.06	3.33	-110	135		-1.08	2.82	210	55.73		-4.35	-0.1	-105	110.12		-2.13	1.79	-145	33.65
9	4243.6		75.72	-1.21	3.4	-115	45		-0.97	2.94	225	45.88		-4.06	-0.78	-75	163.79		-2.35	1.54	-50	41.98
10	6000		62.24	-2.06	2.27	-90	75		-2.09	2.27	255	96.69		-2.28	0.65	-90	94.32		-1.74	1.52	150	55.31
11	8500		44.65	-3.5	2.2	130	75		-5.78	-2.33	120	58.36		-5.48	-2.16	40	61.7		-2.47	2.05	130	25.82
12	11000		59.07	-2.29	2.78	60	75		-5.69	-2.05	105	63.39		-3.19	1.22	-160	37.16		-2.02	2.35	60	33.97
1	6489		79	-1.02	2.59	45	165		-0.65	0.77	300	182.65		-1.58	2.25	-45	68.14		-2.97	1.85	120	30.54
2	7987		47.81	-3.2	2.59	140	45		-5.66	-2.25	90	80.11		-3.56	0.65	35	31.44		-3.46	2.51	75	25.13
3	8500		33.61	-4.74	1.13	50	45		-6.56	-4.24	30	90.68		-4.17	0.56	-45	36.74		-7.27	-2.72	80	21.87
4	12978		60.82	-2.16	3.17	40	135		-1.61	1.88	180	72.58		-1.53	2.69	-85	38.83		-7.23	-1.52	-125	8.52