



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

VT : : PCB pattern antenna

			PwrSum					H(Theta=90)					E1(Phi=0)				E2(Phi=90)					
No.	Freq.		Eff.[%]	Avg.[dBi]	Peak[dBi]	Theta[deg]	Phi[deg]		Avg.[dBi]	Peak[dBi]	Phi[deg]	BW[deg]		Avg.[dBi]	Peak[dBi]	Theta[deg]	BW[deg]		Avg.[dBi]	Peak[dBi]	Theta[deg]	BW[deg]
1	900		9.81	-10.08	-6.08	135	135		-10.96	-7.97	15	95.98		-9.08	-7.48	80	181.43		-10.79	-8.35	140	68.8
2	1000		21.97	-6.58	-2.06	140	120		-7.31	-4.01	15	68.01		-5.18	-2.38	135	99.05		-7.24	-3.54	145	73.92
3	1100		26.84	-5.71	-1.47	145	120		-6.34	-3.42	150	67.36		-4.78	-1.69	135	62.92		-6.45	-3.65	150	74.81
4	1500		67.56	-1.7	1.86	105	15		-2.27	0.93	15	79.85		-0.95	1.57	125	101.07		-1.74	1.06	170	87.81
5	2400		35.96	-4.44	-1.06	-5	165		-5.9	-2.4	345	61.27		-4.56	-2.68	-145	27.32		-4.21	-1.57	25	137.67
6	3000		25.38	-5.96	-1.85	-65	90		-7.37	-4.23	60	33.42		-7.03	-4.06	10	87.1		-4.99	-1.85	-65	41.52
7	3743.6		52.37	-2.81	2.41	90	60		-2.19	2.41	60	28.88		-2.92	-0.62	50	134.35		-3.25	1.92	55	40.56
8	3993.6		75.28	-1.23	3.7	100	60		-0.69	3.69	60	33.56		-0.58	2.16	105	135.32		-2.57	2.08	50	44.71
9	4243.6		73.48	-1.34	2.87	75	120		-1.36	2.58	120	40.49		-0.9	1.65	-50	49.23		-2.44	2.06	55	40.31
10	6000		80.27	-0.95	3.72	100	120		-2.26	3.14	120	25.58		-0.06	2.52	15	61.93		-1.94	2.11	130	29.91
11	8500		69.48	-1.58	6.24	35	120		-2.71	4.13	45	20.24		-4	0.96	135	12.97		-5.7	-0.18	30	33.49
12	11000		67.19	-1.73	4.69	110	105		-1.5	2.35	120	56.51		-2.1	2.87	-115	18.8		-4.48	0.66	105	45.66
1	6489		47.57	-3.23	3.03	120	120		-4.61	0.72	135	44.96		-2.11	0.81	-150	34.3		-4.24	1.65	-15	36.63
2	7987		70.25	-1.53	5.1	120	60		-2.95	4.52	45	16.31		-3.27	1.46	135	36.49		-4.68	2.88	35	26.21
3	8500		53.55	-2.71	6.14	75	135		-4.69	3.03	135	13.65		-6.51	-0.41	140	14.92		-6.66	0.74	30	23.49
4	12978		38.73	-4.12	3.74	110	120		-3.06	1.5	15	23.83		-2.83	2.23	105	35.66		-5.63	-0.74	115	28.43