



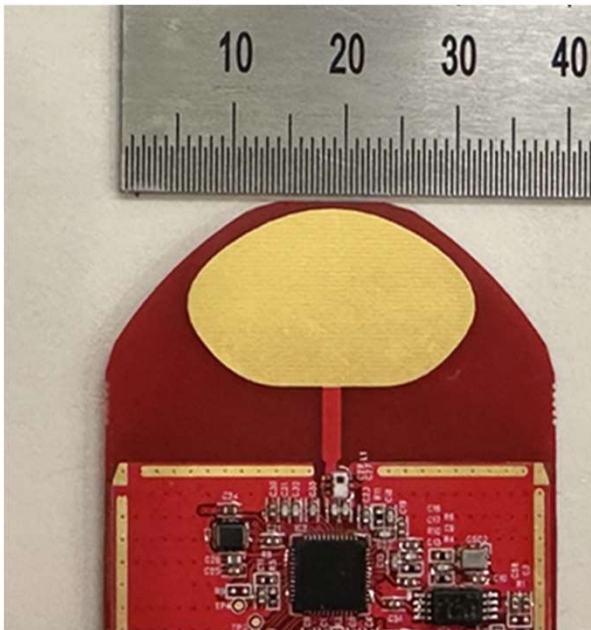
PAS-K01-12

UWB Antenna specification



PAS-K01 UWB Antenna specification

1. 측정 기관 : 한국전파진흥협회 - RAPA
2. 측정 장비 : ZNA26, Vector Network Analyzers, Far-field 7m
3. 안테나 종류 : PCB Pattern Antenna
4. 안테나 제작 : KYUNGWOO SYSTECH INC. / +82-2-985-8085



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4. Passive gain measurement

			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	800		3.59	-14.44	-11.45	120	170		-14.89	-11.67	345	87.13		-13.29	-12.12	-105	243.81		-15.66	-12.69	-170	161.89	
2	1000		11.92	-9.24	-6.31	-105	160		-9.99	-7.24	200	82.86		-7.88	-7.07	175	999		-10.16	-7.14	-175	168.67	
3	1500		62.11	-2.07	1.48	180	5		-3.02	-0.84	180	120.13		-0.62	1.36	175	324.1		-3.06	0.91	170	49.25	
4	2400		29.65	-5.28	-1.15	-180	175		-7.78	-4.12	205	61.73		-4.67	-1.84	-10	51.66		-5.32	-1.62	-40	71.26	
5	3000		11.07	-9.56	-4.18	-45	85		-9.34	-5.55	305	57.7		-11.55	-8.63	175	20.08		-9.36	-4.19	-45	45.11	
6	3994		71.95	-1.43	3.96	85	60		-1.86	3.76	60	33.51		-1.76	1.44	35	43.02		-2.81	1.2	130	34.28	
7	4493		49.38	-3.06	2.04	-50	5		-3.97	0.62	120	46.46		-2.01	2.01	-50	44.12		-5.33	-2.2	-150	36.28	
8	4800		58.35	-2.34	3.01	35	0		-3.55	1.37	60	41.81		-0.61	3.01	35	68.1		-4.18	0.77	5	48.12	
9	5990		13.99	-8.54	-2.65	95	40		-7.91	-2.8	35	40.33		-9.21	-5.16	20	27.57		-10.15	-5.6	-160	20.64	
10	6000		14.19	-8.48	-2.54	85	40		-7.83	-2.68	35	40.53		-9.16	-5.02	20	27.09		-10.07	-5.43	-160	213.29	
11	6490		39.89	-3.99	2.09	85	35		-3.85	1.89	30	41.62		-3.99	-2.1	150	33.57		-7.76	-2.52	-160	211.25	
12	6989		22.44	-6.49	-1.33	120	30		-7.57	-2.78	125	35.3		-6.66	-3.44	140	42.73		-8.49	-4.52	145	23.74	
13	7488		46.46	-3.33	2.22	120	130		-6.37	-1.17	70	31.52		-2.98	-0.37	145	55.79		-4.56	-0.07	-155	27.17	
14	7987		12.6	-9	-3.42	115	125		-10.24	-3.51	130	21.64		-10.18	-5.49	140	31.92		-9.91	-4.11	135	23.51	
15	8486		34.96	-4.56	2.46	95	130		-3.56	2.36	130	29.03		-7.14	-2.09	145	22.17		-6.72	-2.57	125	28.72	
16	10200		56.47	-2.48	4.58	90	70		0.18	4.58	70	16.06		-3.23	0.71	-100	36.63		-5.86	0.14	125	19.76	
17	11000		26.18	-5.82	0.42	85	70		-4.2	-0.05	15	46.97		-4.92	-0.32	85	42.66		-9.16	-2.45	135	23.56	
18	12979		29.88	-5.25	1.7	80	0		-4	1.25	5	34.82		-2.74	1.7	80	54.96		-7.41	-1.23	55	23.88	
19	17000		30.92	-5.1	2.62	90	30		-2.9	2.62	30	9.25		-5.95	-1.08	-105	35.81		-6.49	1.19	75	13.29	

