



PAS-K01

UWB Antenna
specification



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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: Chip antenna

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ZT : Chip antenna (Part no. : ACS5200HFAUWB)

			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		2.4	-16.2	-12.85	160	15		-17.26	-13.74	15	71.38		-14.65	-12.89	160	154.38		-16.91	-13.53	-165	181.47	
2	1000		2.32	-16.34	-13.28	-80	60		-16.75	-13.72	195	103.27		-15.3	-13.52	160	254.2		-16.87	-13.79	-50	60.32	
3	1100		2	-16.99	-12.84	-60	75		-15.66	-13.01	240	107.46		-17.27	-15.04	170	64.26		-17.24	-13.17	-60	52.55	
4	1500		6.61	-11.8	-7.09	110	105		-10.01	-8	255	89.05		-14.4	-11.58	-120	79.86		-11.92	-7.27	110	46.6	
5	2400		44.72	-3.49	1.57	-120	0		-2.55	0.51	270	33.55		-2.6	1.57	-120	58.19		-4.23	0.66	-95	33.63	
6	3000		58.54	-2.33	3.1	125	0		-1.8	0.28	75	106.12		-2.02	3.1	125	48.72		-3.33	1.13	105	71.57	
7	3743.6		73.64	-1.33	3.96	115	135		-1.16	1.19	210	132.56		-1.45	2.86	-130	61.55		-3.37	0.63	145	20.81	
8	3993.6		77.41	-1.11	4.25	-125	15		-1.54	1.82	195	88.06		-0.75	2.62	-135	66.81		-2.79	1.6	70	83.82	
9	4243.6		61.53	-2.11	3.06	-130	15		-2.74	-0.39	330	50		-2.02	1.26	145	40.83		-4.35	-0.12	135	98.4	
10	6000		59.76	-2.24	4.27	-145	150		-1.74	1.92	15	82.55		-1.01	2.36	105	76.68		-3.8	2.11	125	28.24	
11	8500		26.04	-5.84	0.6	-125	165		-5.16	-0.59	345	64.84		-3.78	0.45	-110	53.21		-8.48	-0.73	-110	9.91	
12	11000		14.85	-8.28	-3.52	70	75		-8.11	-4.45	135	163.86		-8.34	-4.27	70	53.3		-10.44	-4.24	70	55.24	
1	6489		41.92	-3.78	1.19	260	0		-2.49	0.44	210	107.09		-3.04	1.19	-100	62.94		-6.42	-0.64	-140	17.44	
2	7987		57.48	-2.41	4.23	200	105		-1.78	2.04	180	70.07		-1.3	2.82	140	27.5		-5.15	1.4	110	11.34	
3	8500		63.64	-1.96	4.74	200	105		-1.75	2.02	195	54.7		-0.43	4.28	110	23.91		-4.12	2.06	115	8.89	
4	12978		8.05	-10.94	-4.48	210	120		-11.29	-6.86	300	33.09		-11.32	-7.6	-105	19.62		-11.81	-6.22	-165	8.09	