



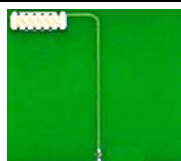
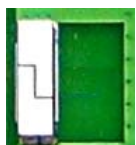



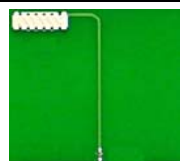

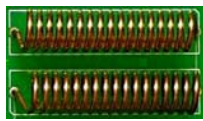

Design / Application Note	DN007	AN043	DN004	AN040	DN024	DN034	AN048
Frequency	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz
Typical Efficiency	80%(EB) 94%(SA)	68%(EB)	80%(EB)	80%(EB)	76%(EB) 87%(SA)	72%(SA)	55%(USB)
Bandwidth@ VSWR 2:0	280 MHz	101 MHz	100 MHz	80 MHz	400 MHz	497 MHz	150 MHz
Dimensions (mm)	26 x 8	15 x 6	46 x 9	48 x 8	39 x 25	150 x 100	7 x 3

							
Design / Application Note	DN024	DN023	DN031	DN031	DN033	DN031	DN016
Frequency	868 / 915 / 955 MHz	868 / 915 / 955 MHz	868 / 915 / 955 MHz	868 / 915 / 955 MHz	868 / 915 / 955 MHz	868 / 915 / 955 MHz	868 / 915 / 955 MHz
Typical Efficiency	64%(EB) 91%(SA)	80%(SA)	69%(EB)	64%(EB)	48%(EB)	63%(EB)	20%(EB)
Bandwidth @ VSWR 2:0	46 MHz	40 MHz	62 MHz	56 MHz	56 MHz	6 MHz	21 MHz
Dimensions (mm)	39 x 25	43 x 20	10 x 28	48 x 8	15 x (5 to 29)	10 x 14	9 x 8

						<h3>Antenna Support Documentation</h3> <pre> graph TD A[Antenna Selection Comprehensive Guide AN058] --> B[CC-Antenna-DK & Antenna Measurements Summary DN031] C[Antenna Selection Quick Guide DN035] --> B B --> D[Antenna Reference Designs AN040, AN043, AN048, DN004, DN007, DN016, DN023, DN024, DN031, DN034] D --> E[OTA Measurement Reports DN6xx] B --> F[Range Measurements in an Open Field DN018] </pre>
Design / Application Note	DN031	DN031	DN031	DN031	DN031	
Frequency	433 MHz	433 MHz	433 MHz	315 MHz	136 - 240 MHz	
Typical Efficiency	20%(EB)	26%(EB)	15%(EB)	15%(EB)	7%(EB)	
Bandwidth @ VSWR 2:0	23 MHz	38 MHz	30 MHz	4 MHz	3 MHz	
Dimensions (mm)	37 x 9	42 x (10 to 29)	15 x (5 to 29)	37 x 9	42 x (22 to 29)	

EB: SmartRF Evaluation Board
SA: Stand Alone

SWRA351

By Richard Wallace

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