

## **Antenna Selection Quick Guide**

## **DN035**

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Design / Application Note	DN007 *1	AN043 *2	<u>DN004</u>	<u>DN041</u>	<u>DN024</u>	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)	65%(Zlight2)	76%(EB) 94%(SA)	72%(SA)	55%(USB)
Bandwidth@ VSWR 2:0	280 MHz	101 MHz	100 MHz	150 MHz	354 MHz (SA)	497 MHz	150 MHz
Dimensions (mm)	26 x 8	15 x 6	46 x 9	45 x 2.5	38 x 25	150 x 100	7 x 3
		COMO I P		4			Antenna Antenna Match
Design / Application Note	<u>DN024 *1</u>	<u>DN023</u>	<u>DN031</u>	<u>DN031</u>	<u>DN033</u>	<u>DN031</u>	DN038 *2
Frequency	868 / 915 / 920 MHz	868 / 915 / 920 MHz	868 / 915 / 920 MHz	868 / 915 / 920 MHz	868 / 915 / 920 MHz	868 / 915 / 920 MHz	868 / 915 / 920 MHz
Typical Efficiency	64%(EB) 98%(SA)	80%(SA)	69%(EB)	64%(EB)	48%(EB)	63%(EB)	66%(EB)
Bandwidth @ VSWR 2:0	88 MHz (SA)	40 MHz	62 MHz	56 MHz	56 MHz	6 MHz	40 MHz
Dimensions (mm)	38 x 25	43 x 20	10 x 28	48 x 8	15 x (5 to 29)	10 x 14	19 x 12
	(Harrist)	<b>TWWWWWW</b>	100000 P	( <del>111111111111111111111111111111111111</del>	7.000000000000000000000000000000000000	Antenna Support Documentation  Antenna Selection Comprehensive Guide AN058  Antenna Selection Quick Guide DN035	
Design / Application Note	DN031	DN031 *1	DN031	DN031 *1	DN031 *1	CC-Antenna-DK & Antenna Measurements Summary  DN031  Antenna Reference Designs  AN040, AN043, AN048, DN004, DN007, DN016, DN023, DN024, DN031, DN034, DN038, DN041	
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	*1 First Choice Recommended Antenna	*2 Second Choice Recommended Antenna		SWRA351A	By Richard Wallace	OTA Measurement Re <u>DN6xx</u>	ports

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