

# ANTENNA MURATA ANCV12G44SAA127

**OBJECT :** Real gain of the antenna for STMicroelectronics ZigBee module

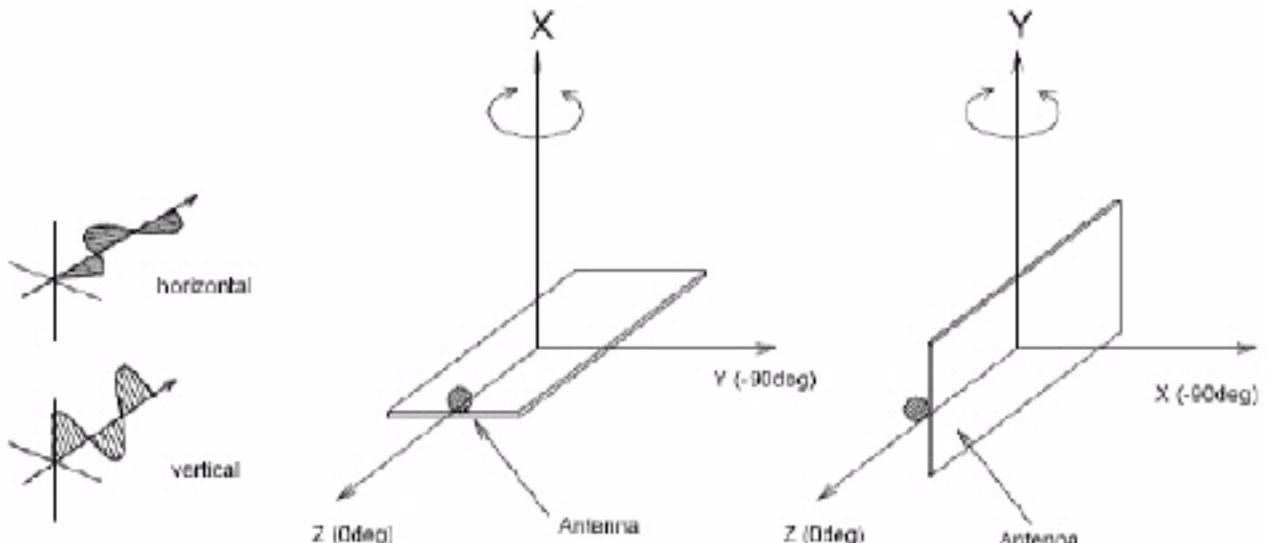
ZigBee modules SPZB260C-PRO and SPZB260A-PRO are complete modules with its own antenna included ; that means the user has not to calculate or adapt the antenna to the module ; adaptation is done on the module with the appropriate LC components.

Antenna type:

- Murata ANCV12G44SAA127

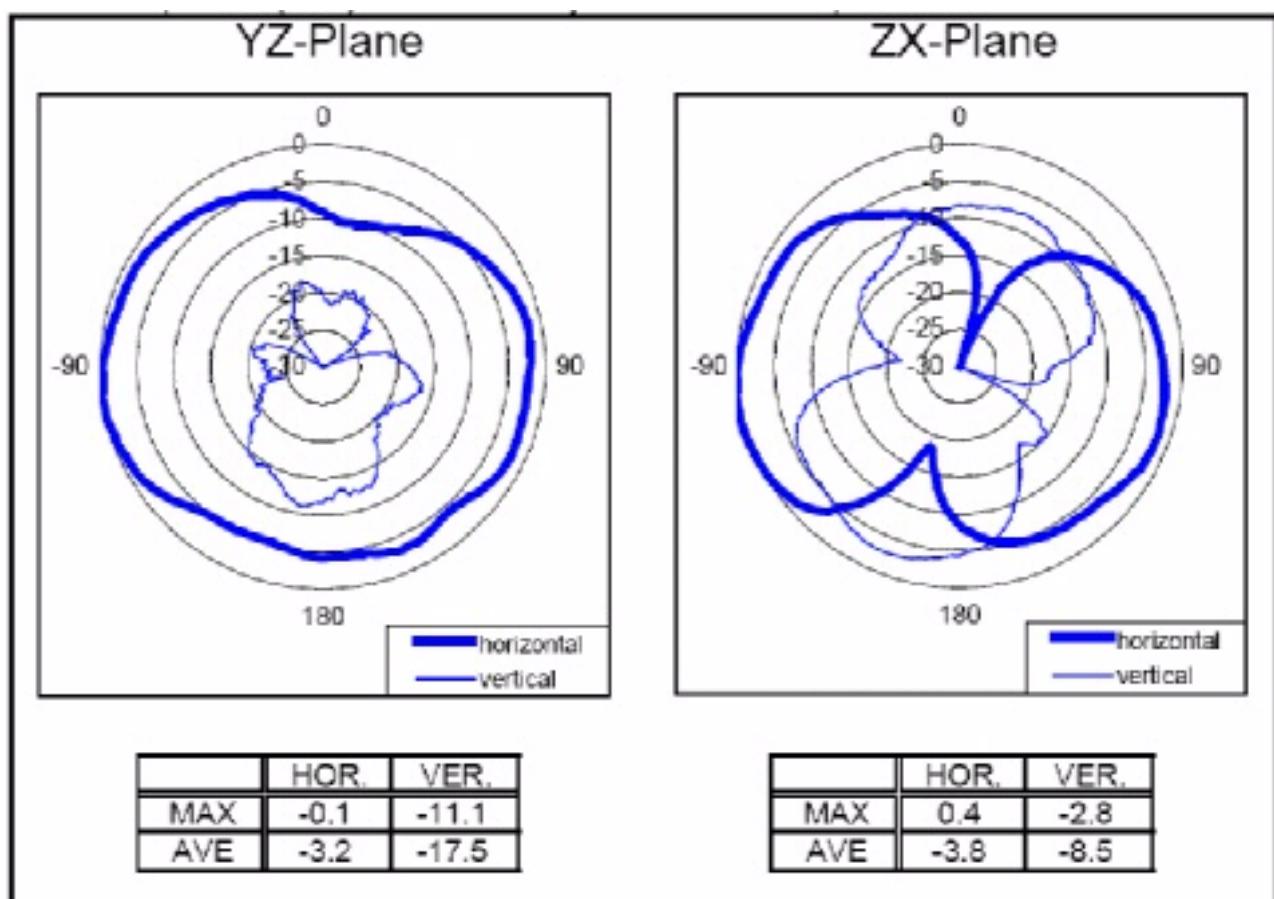
**Real antenna gain are the following:**

## Measurement direction



# ANTENNA MURATA ANCV12G44SAA127

LINEAR POLARIZATION		YZ-Plane		ZX-Plane		Efficiency	[dB]
		hor.	ver.	hor.	ver.		[dB]
2400 MHz	MAX	-1.1	-13.1	-1.1	-4.5	-2.8	
	AVE	-4.3	-18.0	-5.2	-9.7		-2.8
2450 MHz	MAX	-0.1	-11.1	0.4	-2.8	-1.7	
	AVE	-3.2	-17.5	-3.8	-8.5		-1.7
2500 MHz	MAX	-1.1	-11.8	-0.8	-5.2	-3.0	
	AVE	-4.7	-17.7	-5.1	-10.5		-3.0



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LINEAR POLARIZATION		YZ-Plane		ZX-Plane		Efficiency	[dB]
		hor.	ver.	hor.	ver.		[dBi]
2400 MHz	MAX	-1.7	-13.9	-1.7	-4.0	-3.2	
	AVE	-4.8	-19.4	-5.5	-9.6		-3.2
2450 MHz	MAX	<b>-0.6</b>	<b>-12.8</b>	<b>-0.3</b>	<b>-2.6</b>	-2.1	
	AVE	-3.5	-19.7	-4.3	-8.4		-2.1
2600 MHz	MAX	-1.7	-13.2	-1.8	-5.1	-3.7	
	AVE	-5.2	-19.6	-6.0	-10.7		-3.7

