



Antenna Specification

Ant Name: Stand-alone Bluetooth 5 ANT

Model Name: ANNA-B112

Client: /

Test category: sample delivery test

1 General test conditions:

- 1) This report is only valid for the tested samples.
- 2) The report itself does not represent the identification of this product by the certification body or authorized organization.
- 3) This document is only valid as a whole. Without the written permission of the testing center, this report cannot be partially copied.

2 Test items and requirements:

2.1 Antenna efficiency test (Passive): the test frequency is 2400~2500MHZ, and points are taken every 10MHz.

3 Test equipment:

3.1 Environmental conditions of test area:

temperature	Minimum value: 20 °C, maximum value: 25 °C	
relative humidity	Minimum: 40%, maximum: 70%	
Darkroom size	10m(L)×3.6m(W)×3.6m(H)	
Shielding effect	≥90dB	frequency range: 0.45-6G
System impedance to ground	<1Ω	

3.2 Tested equipment information:

Product	Stand-alone Bluetooth 5 ANT	Brand	/
Model	ANNA-B112		
Frequency Band	2400~2500MHZ		

4 Test conditions:

4.1 Appearance of tested equipment:

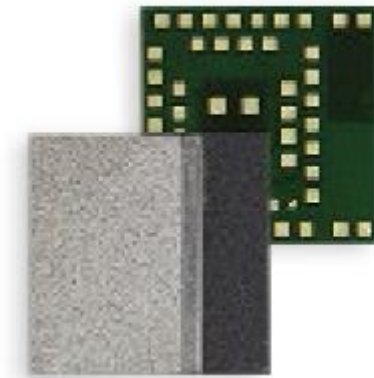


Figure 1 Sample Appearance

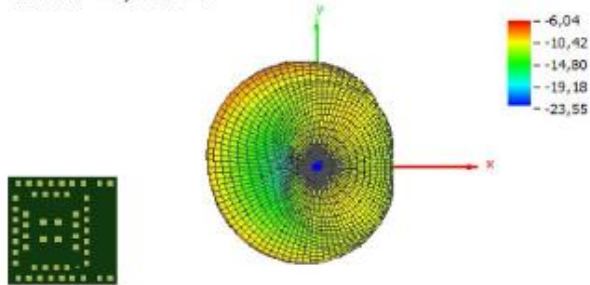
5 Test result:

5.1 Passive:

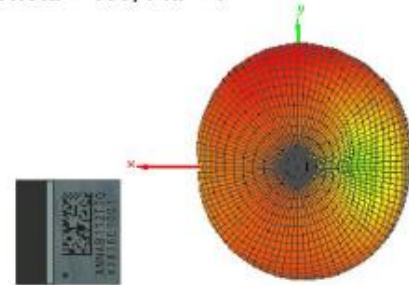
Model	Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
ANNA-B112	2400	-4.6	34.7	0.5
	2410	-4.6	34.5	-0.5
	2420	-4.8	33.3	0.4
	2430	-4.6	34.4	0.5
	2440	-4.4	36.0	0.7
	2450	-4.6	34.4	-0.5
	2460	-4.5	35.2	0.6
	2470	-4.7	33.6	0.4
	2480	-4.8	33.4	0.4
	2490	-4.6	35.0	0.6
	2500	-4.4	36.0	-0.8

ANNA-B112:

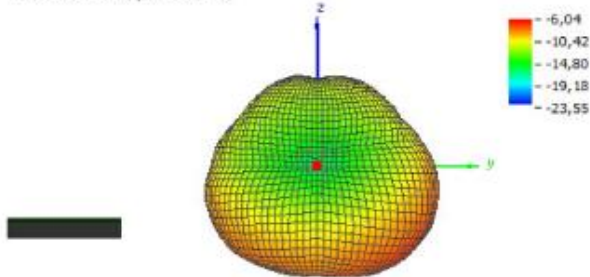
Theta = 0, Phi = 0



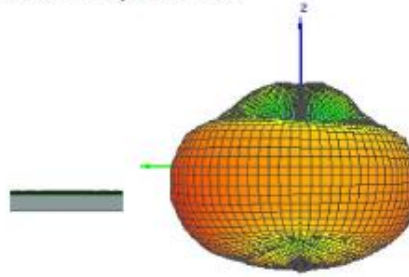
Theta = 180, Phi = 0



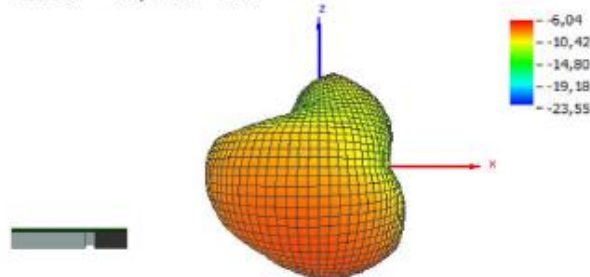
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

