FCC RF EXPOSURE REPORT

FCC ID: X4Y20006

Project	1412C242
Equipment	: Zenit1200 Dual-Band Wireless AC USB
	Adapter
Model	: AULUB905U1
Applicant	: NEXXT SOLUTIONS
Address	: 3505 N.W MIAMI, FL, 33178
According:	: FCC Guidelines for Human Exposure IEEE
	C95.1

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Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	Printed	N/A	3.00	TX/RX
2	N/A	N/A	Printed	N/A	3.00	TX/RX

Note:

The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, Direction gain = GANT, that is Directional gain=3.0.

GENERAL CONCULUSION:

According to section 4.3.1 of FCC KDB447498 D01:

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

 $[(max. \ power \ of \ channel, \ including \ tune-up \ tolerance, \ mW)/(min. \ test \ separation \ distance, \ mm)] \cdot$

 $[\sqrt{} f_{\text{(GHz)}}\,] ~{\leq} 3.0$ for 1-g SAR and ${\leq} 7.5$ for 10-g extremity SAR, where

- + $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- \cdot $\,$ Power and distance are rounded to the nearest $\,$ mW and mm before calculation
- The result is rounded to one decimal place for comparison
- \cdot 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

2.4G						
Max AVG	Max AVG	Channel	Min. test	Result	SAR test exclusion	
Power	Power	(GHz)	seperation		threshlod for 1-g	
(dBm)	(mW)		distance(mm)		SAR	
8.92	7.798301105	2.412	5	2.422248	3	

8.92

SG UNII-1							
	Max AVG	Max AVG	Channel	Min. test	Result	SAR test exclusion	
	Power	Power	(GHz)	seperation		threshlod for 1-g	
	(dBm)	(mW)		distance(mm)		SAR	
	7 98	6 280583588	5 180	5	2 858873	3	

5G UNII-3

Max AVG	Max AVG	Channel	Min. test	Result	SAR test exclusion
Power	Power	(GHz)	seperation		threshlod for 1-g
(dBm)	(mW)		distance(mm)		SAR
7.47	5.584701947	5.825	5	2.695740	3

Conclusion: No SAR evaluation required since transmitter power is below FCC threshold