

FCC RF EXPOSURE REPORT

FCC ID: VW3FAST4320HP

Project No. : 1211C023A
Equipment : Wireless xDSL Bonding Router
Model : F@ST 4320 US
Applicant : SAGEMCOM SAS
Address : 250 Route de l'Empereur, RUEIL MALMAISON
CEDEX, France

According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:



S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1		N2430GNS	Embedded Antenna	N/A	5
2		N2430GNS	Embedded Antenna	N/A	5

TEST RESULTS

EUT :	Wireless xDSL Bonding Router	Model Name :	F@ST 4320 US
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	22.43	174.9847	0.11014134	1	Complies
5	3.1623	22.02	159.2209	0.10021907	1	Complies
5	3.1623	22.67	184.9269	0.11639930	1	Complies

EUT :	Wireless xDSL Bonding Router	Model Name :	F@ST 4320 US
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	16.67	46.4515	0.02923818	1	Complies
5	3.1623	21.62	145.2112	0.09140088	1	Complies
5	3.1623	18.94	78.3430	0.04931174	1	Complies

EUT :	Wireless xDSL Bonding Router	Model Name :	F@ST 4320 US
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	23.30	213.7962	0.13457066	1	Complies
5	3.1623	22.21	166.3413	0.10470089	1	Complies
5	3.1623	26.54	450.8167	0.28375947	1	Complies

EUT :	Wireless xDSL Bonding Router	Model Name :	F@ST 4320 US
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	21.10	128.8250	0.08108684	1	Complies
5	3.1623	18.43	69.6627	0.04384806	1	Complies
5	3.1623	25.94	392.6449	0.24714417	1	Complies

Note: the calculated distance is 20 cm.