Client:	Barracuda Networks	Job Number:	JD99428
Model:	BNHW027 (Bullet)	T-Log Number:	T100883
		Project Manager:	Christine Krebill
Contact:	Gary Liu	Project Coordinator:	-
Standard:	FCC part 15, RSS-247	Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Evaluation: 4/25/2016

Test Engineer: David Bare

General Test Configuration

Calculation uses the free space transmission formula:

$$S = (PG)/(4\ \pi d^2)$$

Where: S is power density (W/m^2), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with Power Density requirements at 20cm separation:	Yes
If not, required separation distance (in cm):	

Deviations From The Standard

No deviations were made from the requirements of the standard.

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FCC MPE Calculation

Use: General

Antenna: 3.2 dBi Whip

Rated powr plus tolerance

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
2412	16.0	39.8	0	3.2	16.0	83.18	0.017	1.000
2437	16.0	39.8	0	3.2	16.0	83.18	0.017	1.000
2462	16.0	39.8	0	3.2	16.0	83.18	0.017	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm^2	MPE Limit mW/cm^2	Distance where S <= MPE Limit
2412	0.017	1.000	2.6cm
2437	0.017	1.000	2.6cm
2462	0.017	1.000	2.6cm

Industry Canada MPE Calculation

Use: General

Antenna: 3.2 dBi Whip

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
2412	16.0	39.8	0	3.2	16.0	83.18	0.017	0.537
2437	16.0	39.8	0	3.2	16.0	83.18	0.017	0.540
2462	16.0	39.8	0	3.2	16.0	83.18	0.017	0.544

For the cases where S > the MPE Limit

Freq. MHz	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2	Distance where S <= MPE Limit
2412	0.017	0.537	3.5cm
2437	0.017	0.540	3.5cm
2462	0.017	0.544	3.5cm