

Client: Ubiquiti Networks	Job Number: J82268
Model: NanoBridgeM365 & NanoStationM365	T-Log Number: T82413
	Account Manager: Susan Pelzl
Contact: Jennifer Sanchez	
Standard: FCC 15B, 90Z, RSS	Class: N/A

## Maximum Permissible Exposure

### 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 Test:

Test Engineer:

### 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:	No
Minimum separation distance for 13dBi ant. (in cm):	20.9cm
Minimum separation distance for 21dBi ant. (in cm):	37.2cm

(Note - manual states 37.2 cm required)

### Modifications Made During Testing

No modifications were made to the EUT during testing

### Deviations From The Standard

No deviations were made from the requirements of the standard.

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Use: General  
 Antenna: 13dBi each of two chains = 16dBi

Freq. MHz	EUT Power <sup>1</sup>		Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>
	dBm	mW*						
3653 - 3672	21.4	138.0	0	16	21.4	5495.41	1.093	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm <sup>2</sup>	MPE Limit mW/cm <sup>2</sup>	Distance where S <= MPE Limit
3653 - 3672	1.093	1.000	20.9cm

Antenna: 21dBi each of two chains = 24dBi

Freq. MHz	EUT Power <sup>1</sup>		Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>
	dBm	mW*						
3653 - 3672	18.4	69.2	0	24	18.4	17378.01	3.457	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm <sup>2</sup>	MPE Limit mW/cm <sup>2</sup>	Distance where S <= MPE Limit
3653 - 3672	3.457	1.000	37.2cm

Note 1: Power is total for all chains