

Client: Visiplex, Inc.	Job Number: JD101398
Model: VNS22xx	T-Log Number: T101482
Contact: Ben Agam	Project Manager: Deepa Shetty
Standard: FCC Part 90.217, Part 15	Project Coordinator: -
	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 Test: 6/2/2016

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.



EMC Test Data

Client: Visiplex, Inc.	Job Number: JD101398
Model: VNS22xx	T-Log Number: T101482
Contact: Ben Agam	Project Manager: Deepa Shetty
Standard: FCC Part 90.217, Part 15	Project Coordinator: -
	Class: N/A

FCC MPE Calculation

Use: General

Antenna:

USE THIS FOR 300-1500 MHz single transmitters (General use)

Freq. MHz	EUT Power		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
450	dBm	mW*	0	3	18.0	125.89	0.025	0.300
460	18.0	63.1	0	3	18.2	131.83	0.026	0.307
470	18.2	66.1	0	3	17.2	104.71	0.021	0.313

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 cm
450	0.025	0.300	5.8
460	0.026	0.307	5.8
470	0.021	0.313	5.2