Client:	Visiplex, Inc	Job Number:	JD104072
Model:	VTX-1	T-Log Number:	T104092
		Project Manager:	Deepa Shetty
Contact:	Ben Agam	Project Coordinator:	-
Standard:	FCC parts 15 and 90	Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

Objective: Evaluate the RF Exposure requirements per FCC 1.1310, 2.1091 and RSS-102.

Date of Evaluation: 7/17/2017
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):	

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FCC MPE Calculation
Use: General
Antenna: 3.0 dBi

FOR 300-1500 MHz single transmitters (General use)

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
406.1	19.4	87.1	0	3	19.4	173.78	0.035	0.271
435	19.1	81.3	0	3	19.1	162.18	0.032	0.290
470	18.4	69.2	0	3	18.4	138.04	0.027	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
406.1	0.035	0.271	7.1
435	0.032	0.290	6.7
470	0.027	0.313	5.9