EMC Test Data

Client:	Xetawave LLC	Job Number:	JD103500
Model:	Voto1	T-Log Number:	T103571
MOUEI.		Project Manager:	Christine Krebill
Contact:	Sandee Malang	Project Coordinator:	-
Standard:	FCC Part 90, RSS-119	Class:	N/A

Maximum Permissible Exposure

Test Specific Details

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

Date of Test: 1/6/2017 Test Engineer: Deniz Demirci

General Test Configuration

Calculation uses the free space transmission formula:

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

Where: S is power density (W/m²), 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 20 cm separation:	No
Required separation distance for US (in cm):	160.3
Required separation distance for Canada (in cm):	199.5

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.

	WE ENGINEE	R SUCCESS						Test Da	
Client:	Xetawave LLC						Job Number: JD103500		
Model	Voto1						T-Log Number: T103571		
Model.	l: Xeta1						Project Manager: Christine Krebill		
Contact:	: Sandee Malang						Project Coordinator: -		
Standard:	FCC Part 9	0, RSS-119					Class: N/A		
F CC MPE (Use:	Calculation General								
Antenna:	11 dBi								
For 30 - 30) MHz single	<u>e transmitte</u>	rs (General u						
Eroc		UT wer	Cable Loss	Ant Cain	Power	EIRP	Power Density (S) at 20 cm	MPE Limit at 20 cm	
Freq. MHz	dBm	mW*	Loss dB	Gain dBi	at Ant dBm	mW	mW/cm ²	mW/cm ²	
150	37.1	5128.6	0	11	37.1	64565.42	12.845	0.200	
162	37.1	5128.6	0	11	37.1	64565.42	12.845	0.200	
173	37.1	5128.6	0	11	37.1	64565.42	12.845	0.200	
Jse: Antenna:	12 12 12 5 5 6 6 9 6 9 12 12 12 12 12 12 12 12 12 12 12 12 12		mW/c 0.2 0.2 0.2 c Development rs (General u	00 00 00 nt Canada	10 10 10	m 50.3 50.3 50.3 ation			
01 10 000		UT	Cable Loss	Ant	Power		Power Density (S)	MPE Limit	
Freq.		ower	Loss	Gain	at Ant	EIRP	at 20 cm	at 20 cm	
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2	mW/cm^2	
150 162	37.1	5128.6	0	11	37.1	64565.42	12.845 12.845	0.1291 0.1291	
162	37.1 37.1	5128.6 5128.6	0	<u>11</u> 11	37.1 37.1	64565.42 64565.42	12.845	0.1291	
1/7	es where S > the MPE Lin Power Density (S) at 20 cm mW/cm^2 12.845 12.845 12.845		mit MPE	PE Limit Distance when the second secon		ce where IPE Limit	12.040	0.1201	