Ellio Ellio	tt Frompany	Ei	MC Test Data
Client:	Berntsen International	Job Number:	J87669
Product	Truffle	T-Log Number:	T87893
		Account Manager:	Christine Krebill
Contact:	Steven Hungate		-
Emissions Standard(s):	FCC 15.247 MPE	Class:	-
Immunity Standard(s):	-	Environment:	-

EMC Test Data

For The

Berntsen International

Product

Truffle

Date of Last Test: 6/5/2012



EMC Test Data

	An ZAZES company		
Client:	Berntsen International	Job Number:	J87669
Model:	Trufflo	T-Log Number:	T87893
	Truille	Account Manager:	Christine Krebill
Contact:	Steven Hungate		
Standard:	FCC 15.247 MPE	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: 6/5/2012 Test Engineer: Mark Hill

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

Power Density requirements at 20cm separation:	Device compli
r Density (mW/cm^2) @ 20cm: 0.537	

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.



EMC Test Data

	An ZiZE3 company		
Client:	Berntsen International	Job Number:	J87669
Model:	Trufflo	T-Log Number:	T87893
	Trunie	Account Manager:	Christine Krebill
Contact:	Steven Hungate		
Standard:	FCC 15.247 MPE	Class:	N/A

Use: General

Antenna: 6dBi (RFID) and -2.83dBi (Bluetooth)

902<u>-928 MHz RFID Radio</u>

	EU	ΙŢ	Cable	Ant	Power		Power Density (S)	MPE Limit
Freq.	Pov	ver	Loss	Gain	at Ant	EIRP	at 20 cm	at 20 cm
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2	mW/cm ²
915	28.3	671.4	0	6	28.3	2673.01	0.532	0.610

For the cases where S > the MPE Limit

	Power Density	MPE Limit	Distance where
Freq.	at 20 cm	at 20 cm	S <= MPE Limit
MHz	mW/cm^2	mW/cm ²	cm
915	0.532	0.610	18.7

Bluetooth Radio

	EU	ΙŢ	Cable	Ant	Power		Power Density (S)	MPE Limit
Freq.	Pov	ver	Loss	Gain	at Ant	EIRP	at 20 cm	at 20 cm
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm ²	mW/cm^2
2440	10.1	10.3	0	-2.83	10.1	5.37	0.001	1.000

For the cases where S > the MPE Limit

Freq.	S @ 20 cm	MPE Limit	Distance where
MHz	mW/cm^2	mW/cm ²	S <= MPE Limit
2440	0.001	1 000	0.7cm

