

To : Vest Anti-Radiation Technology

Date: 29/05/2014

From: Yossi Ben-David

Subject: Air Tube Headset- Attenuation Test

1. We performed an attenuation test to two models of "Air Tube Headset" connected to a cellular phone.
2. The two tested models :
 - 2.1. Vest Headset
 - 2.2. Vest Headset (Bluetooth version)The above Headsets were connected to a Samsung Galaxy S4 cellphone model (as the source of radiation).
3. The test was conducted in a Semi-anechoic chamber, in 2 set up test:
 - 3.1. Open door – full strength signal receiving, same as open air
 - 3.2. Closed door – minimal signal receiving, maximum cellphone radiation.
4. We have measured the following two parameters:
 - 4.1. Electric field strength [V/M]
 - 4.2. Electric field intensity [μ W/cm²]
5. The result were measured during the following time zones:
 - 5.1. Ring – the device search for a network and making the connection
 - 5.2. Talk – during the conversation.
6. **Test Results** are detailed in appendix A.
7. **Conclusions:**
 - 7.1. When there is a high level of radiation from the cellphone the "air tube Headset" attenuate the intensity and the electric field strength
Up to 97.5%
 - 7.2. We can find a low attenuation in the Bluetooth version because the device itself radiates as well (low level).

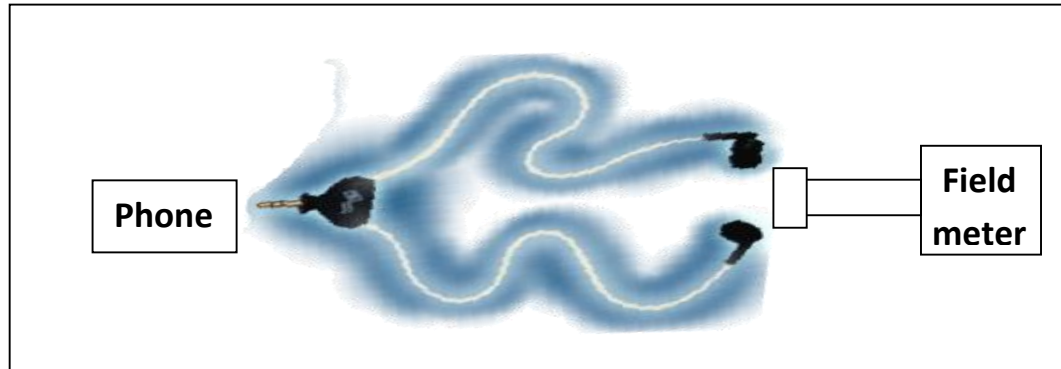
Best Regards

Yossi Ben-David

Ordos Technologies

Appendix A – Air tube efficiency

- **Tested configuration**



- **Test results**

	<u>Phone alone</u>		<u>Vest Headset</u>	
Door Open	Ring 3 V/M	Talk 1.9 V/M	Ring 2 V/M	Talk 2 V/M
	Ring 1 $\mu\text{W}/\text{cm}^2$	Talk 1 $\mu\text{W}/\text{cm}^2$	Ring 1.5 $\mu\text{W}/\text{cm}^2$	Talk 1.4 $\mu\text{W}/\text{cm}^2$
Door Closed	Ring 15.5 V/M	Talk 14 V/M	Ring 2.6 V/M	Talk 2.4 V/M
	Ring 77 $\mu\text{W}/\text{cm}^2$	Talk 57 $\mu\text{W}/\text{cm}^2$	Ring 1.6 $\mu\text{W}/\text{cm}^2$	Talk 1.8 $\mu\text{W}/\text{cm}^2$

	<u>Vest Headset (Bluetooth version)</u>		<u>Bluetooth device</u>	
Door Open	Ring 2.1 V/M	Talk 1.6 V/M	Ring 1 V/M	Talk 9. V/M
	Ring 1.1 $\mu\text{W}/\text{cm}^2$	Talk 0.5 $\mu\text{W}/\text{cm}^2$	Ring 0.6 $\mu\text{W}/\text{cm}^2$	Talk 0.3 $\mu\text{W}/\text{cm}^2$
Door Closed	Ring 2.4 V/M	Talk 2.3 V/M	Ring 1.9 V/M	Talk 1.6 V/M
	Ring 1.6 $\mu\text{W}/\text{cm}^2$	Talk 1.8 $\mu\text{W}/\text{cm}^2$	Ring 0.8 $\mu\text{W}/\text{cm}^2$	Talk 0.6 $\mu\text{W}/\text{cm}^2$

- **Pictures**

- Pic #1: Vest Headset setup



- Pic #2: Vest Headset (Bluetooth version) setup

