



**NWTA**  
No Wireless Tower Association

NEW DATA & CRITICAL UPDATE  
ON TOWER AT  
224 HEADLAND RD

# TABLE OF CONTENTS

<b>GLOSSARY</b>	<b>3</b>
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<b>SUMMARY REPORT</b>	<b>4</b>
-----------------------	----------

1.	<b>FALSE:</b> Real-Time data captured proves school understated radiation by 272-fold	5
2.	<b>FAIL:</b> Industry ignores basic Electromagnetic Energy (EME) regulations, and not kept accountable	5
3.	<b>FAIL:</b> ARPANSA discloses risks. Disclaims responsibility. ACMA ignores and fails to regulate.	5
4.	<b>HIGHER RISK:</b> CRITICAL NEW FINDING: Max (5030mw/m <sup>2</sup> ) is UNDERSTATED	7
5.	<b>NEVER APPROVED:</b> Tower rendered Illegal as was never approved	7
6.	<b>GEOFF LANCASTER – PRINCIPAL:</b> Response to claims	7
7.	<b>CONCLUSIONS</b>	8
8.	<b>YOUR NEXT STEPS</b>	9

<b>DETAILED REPORT</b>	<b>10</b>
------------------------	-----------

1.	<b>FALSE:</b> Real-Time data capture proves school understated radiation by 272-fold	11 - 16
2.	<b>FAIL:</b> Industry ignores basic Electromagnetic Energy EME regulations, and not kept accountable.	16 - 17
3.	<b>FAIL:</b> ARPANSA discloses risks. Disclaims responsibility. ACMA ignores and fails to regulate	18 - 19
4.	<b>HIGHER RISK:</b> CRITICAL NEW FINDING: Max (5030mw/m <sup>2</sup> ) is UNDERSTATED	20
5.	<b>NEVER APPROVED:</b> Tower rendered Illegal as was never approved	21
6.	<b>GEOFF LANCASTER - PRINCIPAL:</b> Response to claims	22 - 23
7.	<b>CONCLUSIONS</b>	24
8.	<b>YOUR NEXT STEPS</b>	25

# GLOSSARY

## KEY ABBREVIATIONS & TERMS USED

<b>NWTA</b>	No Wireless Tower Association
<b>EME</b>	Electromagnetic Energy
<b>ARPANSA</b>	Australian Radiation Protection and Nuclear Safety Agency
<b>ICRIRP</b>	International Commission on Non-Ionizing Radiation Protection
<b>ACMA</b>	Australian Communications and Media Authority
<b>mW</b>	A milliwatt (mW) is a unit of power equal to one thousandth of a watt.
<b>uW</b>	A microwatts (uW) is a unit of power equal to one millionth of a watt.
<b>V/M</b>	Volts per metre. Standard unit of electric field strength.
<b>GHz</b>	Gigahertz, a unit of frequency equal to one billion hertz.

# SUMMARY REPORT

4 Months of 24/7  
Real time radiation data  
gathering using SensaWeb  
technology



Radiation analysis proves St  
Luke's report underestimates  
radiation by 272 times



NSW Ombudsman  
launches investigation



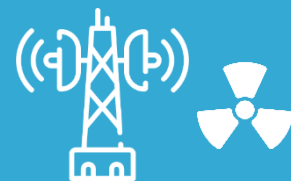
Abatement notice served to  
Council and Anglican Schools  
Corporation



Health issues to such  
radiation exposure outlined  
in this document



Undisclosed radiation  
equipment proved operational



## 1. **FALSE:** Real-Time data captured proves school understated radiation by more than 272-fold

We will show you that radiation data gathered by the school, with the intention of appeasing your concerns for your children, was grossly understated. NWTAs data monitoring project, utilised 24/7 real-time monitors, over a 4-month period, demonstrated the radiation risk to be 272 times more (18.5mW/m<sup>2</sup> vs 5,030mW/m<sup>2</sup>) more than the school communicated to you (in their letter dated 24 August 2023). We made requests to the school to inspect their approach and methodology. They were met with conditions which were declined. We will also demonstrate that the levels of radiation measured by NWTAs are 5 times higher than the maximums that been publicly disclosed in the industry regulated EME Report.

The school offered access to their report via email, then retracted this offer to propose a meeting with Dr Philip Knipe. Dr Knipe is a consultant to the telco industry which rendered this inspection to be conflicted.

## 2. **FAIL:** Industry ignores basic EME regulations, and not kept accountable

We will demonstrate to you how the industry participants have not been held accountable by ACMA to the standard of demonstrating corroborating data to support their projections on the EME Report (Note: ACMA are expected to hold industry participants to the guidelines articulated by ARPANSA, adopted from ICNIRP). As quoted: *“A minimum of three similar sources or sites have been measured and the relevant levels shown to be comparable within 3 dB of incident power density”* This has been ignored, thus placing your children, and the community at risk of relying upon data that has not been verified according to industry standards. We also wish to bring to your attention that Lloyds of London, the underwriter of choice for industry risks of this nature, have refused to insure for health risk associated with electromagnetic radiation. This being the case, we wish you to consider why this might be.

## 3. **FAIL:** ARPANSA discloses risks. Disclaims responsibility. ACMA ignores and fails to regulate.

ARPANSA declares that there is risk to humans at levels as low as .015mW/m<sup>2</sup> (excitability brain synapses) and therefore at the industry expected levels (932mW/m<sup>2</sup>) disclosed in the EME. At 5,030mW/m<sup>2</sup>, as measured by the independent devices, we speculate that the symptoms experienced by students and staff (including cancer, attention deficit hyperactivity disorder (ADHD), malfunctioning of medical implants) are connected to the radiation exposure that ARPANSA admits to being potentially possible.

We will demonstrate to you that ARPANSA has made this clear on its website, and ACMA has ignored in its duty to regulate according to these standards; standards that discuss the risks of brain excitability, heart conditions, operability of medical device implants, childhood leukemia and lymphoma.

We will also demonstrate that notwithstanding knowledge of the risks, ARPANSA explicitly disclaims on its website that it cannot give medical advice and insists you refer to your Doctor.

# Harmful Effects On Human Body

Tinnitus  
Imbalance



Headache, tiredness, vomit, memory decline, sleep disorder, hair loss, movement and cognitive disorder. Long term – the human brain will produce abnormal electric flow which might be related to dementia

Mild symptoms include arrhythmia, abnormal heartbeat, difficulty breathing, etc. Under long term electromagnetic radiation, a higher chance of suffering from cardiovascular diseases.



Lens – aging and cloudy. Colour vision will deteriorate – in particular under darkness. Eyes will feel hot and dry under long term exposure to low-intensity electro-magnetic waves.

Skin rash  
Lesions



Joint pain and overall muscle pain

Under long term electromagnetic radiation, the formation of antibodies is inhibited. Immune system is damaged – increasing the chances of suffering from cancer.



According to the result of a health study, most of the radar controllers have a low level of white blood cells. When a human body is exposed to both radio wave and radiation, the harm will be more obvious than when exposed to only one of them.

Males may suffer from diminished sexual ability, impotence or suppressed sperm production with negative effect on fertility. Females may suffer from menstrual disorder, ovulation and fertility issues, early miscarriage.



## SOURCE

Electromagnetic waves have negative effects on various parts of human body (According to "Basic Environmental Science Series: Environmental Physics and Environmental Medical Science published by the Scientific & Technical Publishing Co Ltd)

## International Safety Standard of Electromagnetic Wave

According to the advice of Building Biology (2015) in Germany, the effects of electromagnetic wave on indoor environments such as sleeping environments, living spaces and work environments are as follows:

Frequency/Intensity of Interference	No Anomaly	Slight Anomaly	Severe Anomaly	Extreme Anomaly	Independently measured at St Lukes
High-frequency electromagnetic wave	<0.1 Uw/M <sup>2</sup>	0.1 - 10 Uw/M <sup>2</sup>	10 - 1000 Uw/M <sup>2</sup>	>1000 Uw/M <sup>2</sup>	5,030,000 Uw/M <sup>2</sup>

\*Slight Anomaly: Most people will not be affected.

\*Severe Anomaly: Sleeping quality will be strongly interfered.

\*Extreme Anomaly: In addition to insomnia, long term effects include harming central nervous system, immune system, cardiovascular system, circulatory system, visual system and even causing cancer.

\*UW is microwatts a unit of power equal to one millionth of a watt.

#### 4. **HIGHER RISK: CRITICAL NEW FINDING: Max** (5030mW/m<sup>2</sup>) is UNDERSTATED

We have commissioned a physical audit of the facility to determine if there are antennae affixed to the tower facility that are not disclosed on the EME Report. Initial results are clear that there is at least one antenna on the tower that is capable of broadcasting at 18GHz, which was omitted from the EME report - i.e., it is NOT disclosed or included in the radiation projections, as neither is it publicly disclosed, nor picked up by SensaWeb equipment. The implication is that your children are being radiated at far higher levels than we can measure currently. We have confirmed with the owner of this antenna that it is operational and broadcasting to another tower 10 kilometres away.

#### 5. **NEVER APPROVED: Tower rendered Illegal as was never approved**

Members of NWTa have discovered that a development application (DA) for the tower was never approved. NWTa contacted the Northern Beaches Council and, through a GIPA (Government information public access - freedom of information request), discovered the tower at 224 Headland Road Development Application was not approved. Northern Beaches Council have chosen not to act and investigate the illegal installation at 224 Headland Road. The New South Wales Ombudsman has now been contacted to initiate a formal investigation and confirmed receipt of NWTa's complaint. NWTa concludes the tower at 224 Headland Road has been illegally constructed.

#### 6. **GEOFF LANCASTER: Response made to claims**

NWTa would like to address several inaccuracies within the letter from Geoff Lancaster (GL) to NWTa - dated 24/08/2023. Namely - GL claims "The community is safe," GL claims 'According to ARPANSA limits based on over 25,000 studies, the risk of danger from electromagnetic radiation is almost non-existent' and GL claims "0.185% of the allowable limit and this was measured in the classroom closest to the base station.

Will respond accordingly with an unbiased, non-conflicted evidence and points of view that are directed at the safety of your children as a priority, rather than throwing caution to wind.

In summary, taking into consideration the above and all our findings, his arguments do not take into consideration ARPANSA admitting significant health risks at the levels he states your children are vulnerable to (18.5mW/m<sup>2</sup>). He may not be aware ARPANSA disclaims responsibility for the health of your children. He may be unaware that ACMA had failed to keep telcos accountable to industry regulations and may not be aware that the industry is systemically breaching their obligations to report what they are broadcasting (with undisclosed devices discovered on this tower and several others we have uncovered). He also may not be aware that EME radiation disclosures have been breached by Optus in this instance, as demonstrated by our independent study. It remains to be seen if he is aware of the illegal status of the tower, but we maintain that in conclusion, Geoff Lancaster should take all these findings into consideration before he declares the safety of your children.

## 7. CONCLUSIONS

NWTA has undertaken an exhaustive investigation, and whilst many of our investigations are still underway the following can be concluded:

- a. Independent, industry calibrated, real time ACTUAL data has refuted the maximum potential projections put forward by both the industry and by the school. The school made their claim to maximum exposures of  $18.5\text{mW}/\text{m}^2$  in defense of our claims that children were being excessively radiated. Our investigations demonstrate your children are at risk of being radiated AT LEAST 272 times more than you are being told. Our investigations revealed that this likely number is still materially understated, with the discovery of non-disclosed broadcasting equipment on the tower at frequencies we understand require vastly more power to be able to deliver its designated purpose.
- b. Notwithstanding the above, symptomatically, children and or staff have either died, or continue to suffer from known symptoms of radiation. Knowledge of these symptoms and the connection of them to radiation, has been openly admitted to by ARPANSA, at the levels the school have claimed exist at the school ( $18.5\text{mW}/\text{m}^2$ ). We note that the ARPANSA is disclaiming any responsibility for your health, and therefore we declare that no one – not the industry, not the school, nor the council who you may have trusted to date, can be relied upon to tell you that this tower is safe.
- c. In case it was not clear, the school and the council may believe that ARPANSA has your health in mind in setting regulations, which it may. But the industry regulator, ACMA, is ignoring them, and further not holding the industry accountable to them. We have shown ARPANSA has disclaimed responsibility for your health and ACMA has failed to hold the industry accountable to ARPANSA's Standards.
- d. In fact, the industry participants are not complying with the explicit requirement to validate their projections. Worse still, they are misleading you into believing that the only equipment radiating the community is what they disclose on the EME report. This is false with the discovery of at least 1 unit that we have confirmed is broadcasting 18GHZ.
- e. NWTAs investigation has concluded that the tower itself was constructed illegally.
- f. Finally, subject to NWTA's immediate goal being met, immediate cessation of the broadcast of biologically harmful radiation, NWTA, its supporting networks and technical experts from around the world, propose a coming together of the infrastructure owners and our experts in pre-existing, biologically friendly communication systems, to resolve for the orderly transition from an infrastructure that emits high levels of toxicity to one that is at least biologically inert.



## f. YOUR NEXT STEPS

Despite threats by those who you trust with the welfare of your children, and attempts to silence the sharing of this information, a group of committed members of the community have come together.

They have facilitated an extraordinary collaboration between the community and industry experts, that as far as we know, has never been done before.

This is a world first. There is no precedent you can look for that has been done with the level of detail and thoroughness than this project. Anywhere.

These exceptional people have put themselves and their reputations firmly on the line, putting integrity to what they know to be true, first, notwithstanding the risk to their reputations and families.

The threat of being silenced has not stopped this intense 18+ month investigation.

Why?

Our children. Their teachers. The Staff. The local community.

They are simply not aware of the risks.

We have sought to right this, and at the very least, we expect you to express your concern and demand caution on the part of those who are saying there is NO danger, and sign a Withdrawal of Consent Notice:

Parents and carers, please sign a withdrawal of consent notice to stop the radiation of your children.

Teachers and staff, please sign a withdrawal of consent notice to protect yourselves and your pupils.

Residents and families, you more than any are exposed to the constant radiation emissions from 224 Headland Road, please sign a withdrawal of consent notice to protect yourselves.

Employers and staff situated near the tower, please sign a withdrawal of consent notice to protect yourself and your staff.

[Link to withdrawal of consent notice](#)



# Detailed Report

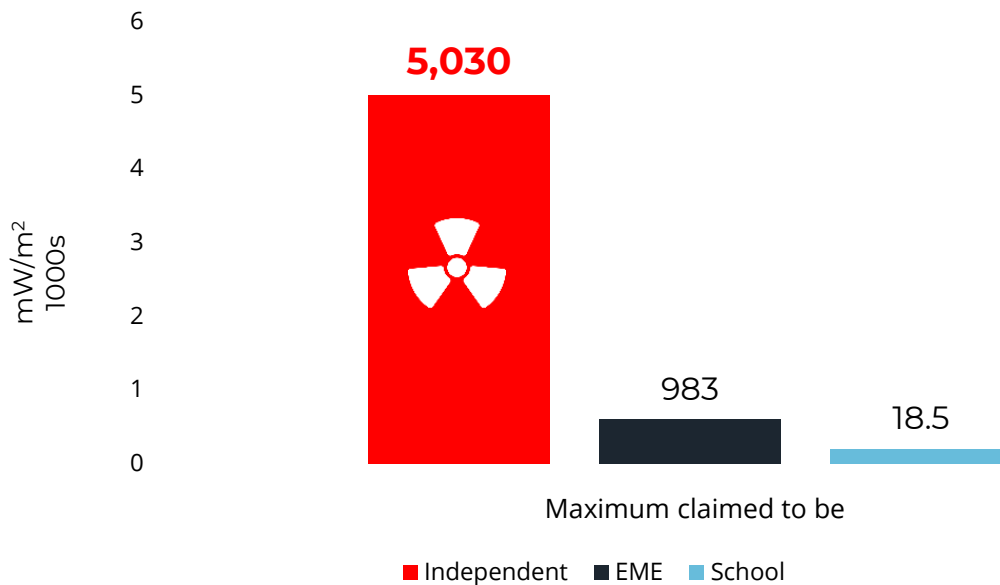
# 1. **FALSE:** Real-Time data captured, proves school understated radiation by more than 272-fold

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The school offered access to their report via email, then retracted this offer to propose a meeting with Dr Philip Knipe. Dr Knipe is a consultant to the telco industry which rendered this inspection to be conflicted.

## A. **Overview of Project Results**

The independent radiation monitoring project reveals the maximum potential radiation to be 272 times the radiation than the school disclosed (18.5mW/m<sup>2</sup> vs 5,030mw/m<sup>2</sup>) to you. The independent study also exceeds the maximum projected radiation that the industry claims should never exceed, by over 5 times.



## B. **School Commissioned Radiation Study**

The school rebutted our earlier claims that your children were exposed to unnecessary radiation risk, by commissioning its own study.

The only information we have is from the Headmaster dated June 21st, 2023.

*“The highest measured cumulative time-averaged RF EME level from all sources between 420 MHz to 6 GHz was 0.185% of the RPS S-1 GP limit at Location 5 (classroom closest to the tower). The measured levels of RF EME at the selected locations were below the general public exposure limits specified by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) Standard for Limiting Exposure to Radiofrequency Fields – 100 kHz to 300 GHz, (RPS S-1 Rev. 1).”*

Note: the standard indices referred to in the above ARPANSA issued document do not align with how the industry discloses to you via the EME Report. We will assume the maximum referred to above can be converted to the same standard as disclosed publicly to you. That maximum, no matter if the distance from source is 10,000 mW/m<sup>2</sup>, this is how we arrived at Geoff Lancaster’s projected maximum: from his letter .185% of the maximum of 10,000 mW/m<sup>2</sup> equates to 18.5mW/m<sup>2</sup>.

We made a request to inspect this study, its data and methodology, they consented, subject to conditions being met, which rendered the inspection to be conflicted. Naturally, we would like to understand the precise location measured in meters from the antennae, the duration of the data capture, and the methodology of calculating the maximum potential, and compare in detail their data to ours. This was not made available.

This 18.5mW/m<sup>2</sup> will be the basis of comparison to both the industry expected maximums per the EME Report and the independent data. It will also assist you in understanding how much risk your children are under, when we discuss the specific, and industry-acknowledged symptoms.

## School Maximum: 18.5 mW/m<sup>2</sup>

### C. Independent Data Capture

Radiation monitors from the industry leading radiation engineering firm, SensaWeb, were deployed surrounding the school. Their patented monitors were independently, industry calibrated immediately prior to the project commencing.

SensaWeb’s technology was chosen because of its vastly superior technology to any other monitoring equipment. 24/7 real-time capture, and thus an accurate appreciation for the maximums that were in play over an extended period, were critical to the decision to partner with them.

NWTA maintains that this approach to be as close to a real-life scenario, approximating the risk to your children from these frequencies all day long.

Note – industry standards of assessing are considered inadequate in this way. They rely upon modelling and spot readings, which take limited or no account of the behaviour of the cumulative effect of frequencies, and radiation emitted on user demand. User demand is a reality of the variability of data use by the consuming public. For example, in our data we were able to see spikes in radiation, spot readings and modelling will likely fail to accommodate.

Industry methodology may attempt to predict this real time but is not monitoring (at least they are not disclosing this to the public).

Conclusions are drawn from data collected over a 4-month period, at various points relative to the school.

For the sake of simplicity, the data used in this report was that from a monitor closest to the tower, 70m from the base of the tower. We assume this to be a comparable distance to the school's commissioned study and the nearest classroom.

The data collected, demonstrated the risk to be 5,030mW/m<sup>2</sup> for the 4-month period.

**Independent Maximums: 5,030 mW/m<sup>2</sup>**

# Harmful Effects On Human Body

Tinnitus  
Imbalance



Headache, tiredness, vomit, memory decline, sleep disorder, hair loss, movement and cognitive disorder. Long term – the human brain will produce abnormal electric flow which might be related to dementia

Mild symptoms include arrhythmia, abnormal heartbeat, difficulty breathing, etc. Under long term electromagnetic radiation, a higher chance of suffering from cardiovascular diseases.



Lens – aging and cloudy. Colour vision will deteriorate – in particular under darkness. Eyes will feel hot and dry under long term exposure to low-intensity electro-magnetic waves.

Skin rash  
Lesions



Joint pain and overall muscle pain

Under long term electromagnetic radiation, the formation of antibodies is inhibited. Immune system is damaged – increasing the chances of suffering from cancer.



According to the result of a health study, most of the radar controllers have a low level of white blood cells. When a human body is exposed to both radio wave and radiation, the harm will be more obvious than when exposed to only one of them.

Males may suffer from diminished sexual ability, impotence or suppressed sperm production with negative effect on fertility. Females may suffer from menstrual disorder, ovulation and fertility issues, early miscarriage.



#### SOURCE

Electromagnetic waves have negative effects on various parts of human body (According to "Basic Environmental Science Series: Environmental Physics and Environmental Medical Science published by the Scientific & Technical Publishing Co Ltd)

## International Safety Standard of Electromagnetic Wave

According to the advice of Building Biology (2015) in Germany, the effects of electromagnetic wave on indoor environments such as sleeping environments, living spaces and work environments are as follows:

Frequency/Intensity of Interference	No Anomaly	Slight Anomaly	Severe Anomaly	Extreme Anomaly	Independently measured at St Lukes
High-frequency electromagnetic wave	<0.1 Uw/M <sup>2</sup>	0.1 - 10 Uw/M <sup>2</sup>	10 - 1000 Uw/M <sup>2</sup>	>1000 Uw/M <sup>2</sup>	5,030,000 Uw/M <sup>2</sup>

\*Slight Anomaly: Most people will not be affected.

\*Severe Anomaly: Sleeping quality will be strongly interfered.

\*Extreme Anomaly: In addition to insomnia, long term effects include harming central nervous system, immune system, cardiovascular system, circulatory system, visual system and even causing cancer.

\*uW is microwatts, a unit of power equal to one millionth of a watt.

#### D. Industry (EME Report) Expectations

The industry is required to disclose the maximum potential risk for a given telecom facility.

Note, industry measures and standards are expressed as maximum potential, and for the sake of simplicity, NWTA will use mW/m<sup>2</sup> as the measure of radiation risk.

Below is an excerpt from The Guide to The EME Report March 2020 (attached).

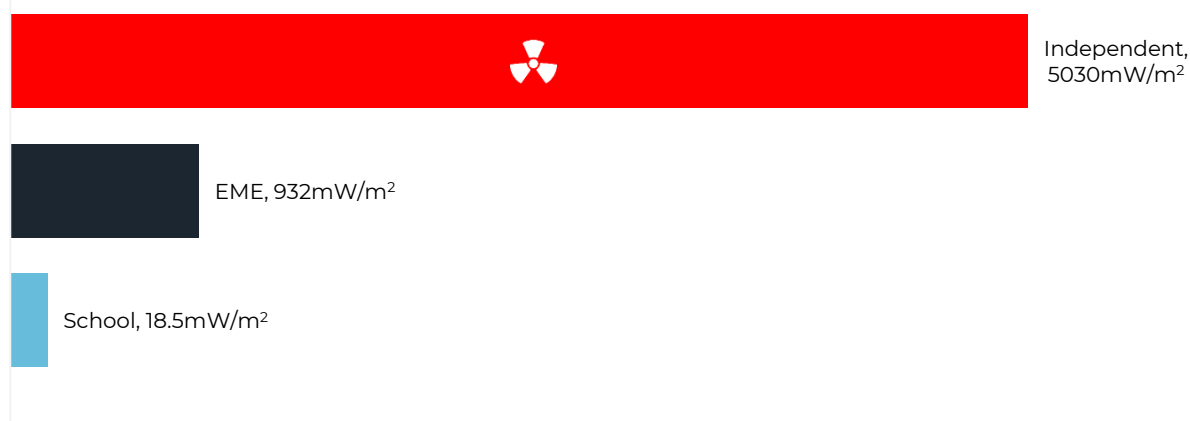
*“The values of EME provided in the report are intended to be maximum levels that can almost never be exceeded when the base station is operating” p6.*

The excerpt from the EME Report for the tower at 224 Headland Road declares that radiation emitted should never exceed 932.04mW/m<sup>2</sup> at a distance of 50-100m from the base of the tower (See EME Report attached)

Proposed configuration			
Distance from the site	Electric field (V/m)	Power density (mW/m <sup>2</sup> )	Percentage of the public exposure limit
0-50m	17.29	792.64	8.41%
50-100m	18.75	932.04	12.59%
100-200m	16.78	747.03	9.83%
200-300m	8.50	191.84	2.51%
300-400m	5.23	72.64	0.90%
400-500m	3.81	38.45	0.46%

**EME: 932.04 mW/m<sup>2</sup>**

#### Maximums Compared



NWTA maintains that because of the extremes observed, deeper questions need to be asked, and greater caution taken with assumptions that conditions at school are safe just because of one number.

The remainder of this report will highlight that we have asked those questions and what we have found is extremely disturbing.

The first question we asked was what guidelines industry participants are given to give the public assurance that they are safe.

## 2. **FAIL:** Industry ignores basic EME regulations, and not kept accountable.

We will demonstrate to you how the industry participants have not been held accountable by ACMA to the standard of demonstrating corroborating data to support their projections on the EME Report (Note: ACMA are expected to hold industry participants to the guidelines articulated by ARPANSA, adopted from ICNIRP). As quoted: “A minimum of three similar sources or sites have been measured and the relevant levels shown to be comparable within 3 dB of incident power density” This has been ignored, thus placing your children, and the community at risk of relying upon data that has not been verified according to industry standards. We also wish to bring to your attention that Lloyds of London, the underwriter of choice for industry risks of this nature, have refused to insure for health risk associated with electromagnetic radiation. This being the case, we wish you to consider why this might be.

NWTA refers you to p18 of ARPANSA’s Standard for Limiting Exposure to Radiofrequency Fields – 100 kHz to 300 GHz, Section 4.2.

Here is the relevant excerpt:

*4.2 Type testing/RF site evaluation Type testing of RF sources or RF site evaluation may be used to demonstrate compliance with Sections 2 and 3, provided that a minimum of three similar sources or sites have been measured and the relevant levels shown to be comparable within 3 dB of incident power density. Type testing or RF site evaluation must not be used where the RF levels are unpredictable e.g., Industrial RF heaters and plastic welders where the RF levels vary depending on the weld or the material to be welded. Antenna structures where the RF field pattern is likely to be significantly influenced by the local ground plane conditions or ‘environmental clutter.’ Environmental clutter refers to buildings, vehicles, trees/vegetation, or other structures that have an influence on the measured levels of RF by introducing reflections, scattering or absorption that is difficult to predict.*

We specifically draw your attention to 4.2 (b) where the public would ordinarily be expected to see:

“a minimum of three similar sources or sites have been measured and the relevant levels shown to be comparable within 3 dB of incident power density”

The EME Reports are formulaically derived and referred to as Type Testing where in the instance of the tower at 224 Headland Road, the presence of buildings and trees are sufficient to require



emitters to demonstrate 3 similar sources. The EME report makes no mention of these 3 similar sources.

In conclusion, you cannot trust the industry declared maximum of 932mW/m<sup>2</sup>, as 3 corroborating sources have not been offered. The public are being misled into believing regulations are being followed. The next question we asked in our investigations were how much the industry admits to the health risks and is it regulating to these levels. What we discovered was shocking.

### **ARPANSA Reference levels**

Reference levels have been accessed from ICNIRP, who use a combination of computational modelling and experimental measurement studies to provide a means of demonstrating compliance using quantities that are more easily assessed than basic restrictions. They provide an equivalent level of protection to the basic restrictions for worst-case exposure scenarios. However, as the derivations rely on conservative assumptions, in most exposure scenarios the reference levels will be more conservative than the corresponding basic restrictions. Further details regarding the reference levels is provided in the ICNIRP guidelines (2020a).

- Whole body exposure (averaged over 30 minutes) Not 7 hours a day a school.
- Local exposure (averaged over 6 minutes). Not 7 hours a day at school.

### **Non-Insurable**

Lloyds of London has refused to ensure illnesses caused by electromagnetic radiation -

*“The Electromagnetic Fields Exclusion (Exclusion 32) is a General Insurance Exclusion and is applied across the market as standard. The purpose of the exclusion is to exclude cover for illnesses caused by continuous long-term non-ionizing radiation exposure, i.e., through mobile phone usage” (UK agent for Lloyd’s of London) 18 February 2015. (see notes links below) “Due to the high risk that electromagnetic (EMF) field exposure poses, most insurance companies do not cover electromagnetic fields and have very clear “electromagnetic field exclusions.”*

The Telco’s, Northern Beaches Council and St Luke’s Grammar hold no insurance covering public liability for 224 Headland Road.

## **3. FAIL: ARPANSA discloses risks. Disclaims responsibility ACMA ignores and fails to regulate.**

ARPANSA declares that there is risk to humans at levels as low as .015mW/m<sup>2</sup> (excitability brain synapses) and therefore at the industry expected levels (932mW/m<sup>2</sup>) disclosed in the EME. At 5,030mW/m<sup>2</sup>, as measured by the independent devices, we speculate that the symptoms experienced by students and staff (including cancer, attention deficit hyperactivity disorder (ADHD), malfunctioning of medical implants) are connected to the radiation exposure that ARPANSA admits to being potentially possible.

We will demonstrate to you that ARPANSA has made this clear on its website, and ACMA has ignored in its duty to regulate according to these standards; standards that discuss the risks of brain excitability, heart conditions, operability of medical device implants, childhood leukemia and lymphoma.

We will also demonstrate that notwithstanding knowledge of the risks, ARPANSA explicitly disclaims on its website that it cannot give medical advice and insists you refer to your Doctor for medical advice, and despite many Doctors in turn writing to ARPANSA, exposure to radiation continues.

ARPANSA quotes various reports and papers by its Consultant Specialist on Occupational Medicine, Dr Bruce Hocking.

His paper referred to on the ARPANSA website – Medical Aspects of Overexposure to Electro-Magnetic Fields (attached) details the following:

*“50/60Hz Fields. The main acute health effects of 50/60 Hz electromagnetic fields are caused by the induction of voltage gradients which may elicit an action potential and cause excitation of nerve, muscle, and cardiac tissue. There is a very wide range in excitability of tissue ranging from alteration of synapse activity in the brain (0.075V/ m peak), stimulation of a 20 µm diameter nerve (6.15 V/m peak) or a 10 µm diameter nerve (12.30 V/m peak) or cardiac muscle (12.0 V/m peak); a range of over 160-fold.8,9”*

For your reference from the excerpt attached:

$$.075 \text{ V/M} = .0014 \text{ mW/m}^2$$

$$6.15 \text{ V/M} = 100.34 \text{ mW/m}^2$$

$$12.30 \text{ V/M} = 401.30 \text{ mW/m}^2$$

We conclude ARPANSA admits to health risks arising from radiation at levels far BELOW the maximum permitted levels. Thus, we assert that not only is the regulator ignoring these risks, but by default the telcos, who are accountable to the regulator, and the school, who is presumably trusting in the regulator to maintain public safety.

They are all ignoring the risk to your children; the same children who are perpetually exposed to radiation levels in excess of 10 times the highest level quoted above. 10 x above the levels that cause these symptoms.

The same author to the ARPANSA reference document, Dr John Hocking also authored a peer reviewed paper, published in the Australian Medical Journal, and referenced by ARPANSA as follows (verbatim):

*“ In a study in Sydney, Hocking et al (1996) showed increased incidence and mortality rates of childhood Leukemia in the aggregate of three local authority areas close to a VHF-TV Transmitter, compared to areas further away”*

Dr John Hocking also wrote an advisory paper outlining specific procedures in relation to Risk management of electro-magnetic compatibility with medical devices.

ARPANSA knows the risks to children and all biological life alike whether this is at the industry expected levels (932mW/m<sup>2</sup>) or that purported by the school (18.5 mW/m<sup>2</sup>).

At 5,030mW/m<sup>2</sup> as measured by our independent study, we speculate that the symptoms experienced by student and staff are caused or exacerbated by radiation exposure that ARPANSA admits to being a risk.

Despite ACMAs failure to regulate the levels emitted to not exceed radiation that according to ARPANSA

- causes cancer (leukemia & lymphoma)
- causes ADHD
- penetrates your children's tissue
- exacerbates Crohn's disease
- disrupts the functioning of insulin monitors, heart pacemakers, cochlear implants
- disrupts brain synapses &
- other symptoms including heart arrhythmia

ARPANSA explicitly disclaims responsibility for your health on their website, and ACMA ignores this. ACMA is the industry regulator and advises the government on the health risks to the public. ARPANSA claims to be the Australian Governments primary authority on radiation protection and nuclear safety. Perplexingly, on its own website it makes a disclaimer that it and its scientists cannot give health advice and that if people are concerned for their health, they should seek medical advice from a medical practitioner.

Several children who attend the school complain of these symptoms, including:

- one child dying of lymphoma
- an unacceptable number of children with ADHD & behavioral issues
- at least one case of an insulin monitor malfunctioning, and
- a recent diagnosis of early-onset Alzheimer's in the community.

Of course, the impact on staff and residents in the community is also of grave concern and we do know of:

- at least two members of staff who have passed from lymphoma and
- four who have recovered.

NWTA has access to an enormous database of references that support the assertion that the symptoms experienced by staff and students at the school are associated with radiation, at levels far below what we have discovered through our independent study.

#### 4. **HIGHER RISK: CRITICAL NEW FINDING:** Max (5030mW/m<sup>2</sup>) is UNDERSTATED

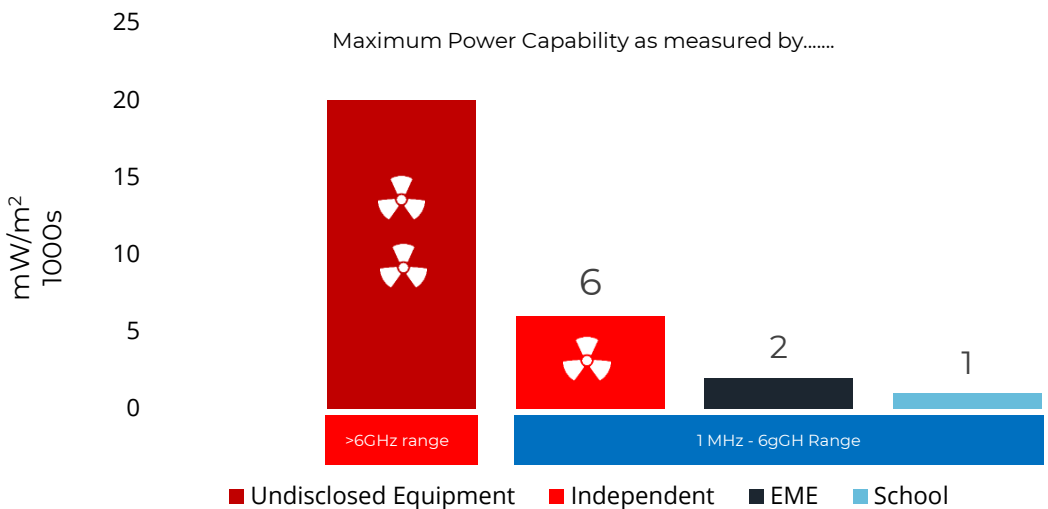
In summary - We have commissioned a physical audit of the facility to determine if there are antennae affixed to the tower facility that are not disclosed on the EME Report. Initial results are clear, that there is at least one antenna on the tower that is capable of broadcasting at 18GHz, which was omitted from the EME report - i.e., it is NOT disclosed or included in the radiation projections, as neither is it publicly disclosed, nor picked up by SensaWeb equipment. The implication is that your children are being radiated at far higher levels than we can measure currently. We have confirmed with the owner of this antenna that it is operational and broadcasting to another tower 10 kilometres away.

The observation of an unusual out of the norm antenna was observed on this tower by chance. On investigation, this antenna was found to belong to a company who we contacted who confirmed their ownership and that it has been broadcasting for “some time”

The implications of this discovery are as follows:

- 1) All investigations to date have the EME report as the baseline projection of what radiation is to be expected.
- 2) Since NWTAs were unaware of the potential for this tower to be radiating at frequencies greater than 6GHz, then it was considered moot that SensaWeb's technology was designed to capture radiation at frequencies no more than 6GHz.
- 3) The maximum projected radiation per SensaWeb's technology ONLY relates to frequencies less than or equal to 6GHz.
- 4) The discovery of an 18GHz antenna that is broadcasting, confirms the maximum projected radiation to be in EXCESS of 5,030mW/m<sup>2</sup> per this study. SensaWeb devices are currently calibrated to capture power and frequencies below 6 GHz.

In our conversations with the company that owns this 18GHz antenna, they confirm they have been broadcasting for “some time.”



## 5. **NEVER APPROVED:** Tower rendered Illegal as was never approved.

NWTA Refers you to p18 of ARPANSA's Standard for Limiting Exposure to Radiofrequency Fields – 100 kHz to 300 GHz, Section 4.2.

Members of NWTA have discovered that a DA for the tower was never approved.

NWTA contacted the Northern Beaches Council and, through a GIPA (freedom of information request), discovered the tower at 224 Headland Road Development Application was not approved.

Approval is deemed necessary due to the height of the tower and proximity to residencies.

A letter to, and response from, the Federal Minister of Communications confirmed Northern Beaches Council's responsibility in granting approval for the tower at 224 Headland Road. Under the Telecommunication Act 1997 – Schedule 3, Part 1, Division 3 Clause 6 item 5 – a tower over 5m is not deemed to be low impacted and requires a Development Application.

The tower at 224 Headland Rd North Curl does not comply with this Act as it is 20m tall.

NWTA have been informed that a structure could only be installed as a temporary facility under schedule 3 of the Act.

Any other form of Antenna / Tower over 5m had to have Council approval.

NWTA have also contacted the NSW Department of Planning and Environment to ascertain if 224 Headland Road had been registered as exempt or a compliant development, nothing had been lodged.

They too informed NWTA that the Council should be responsible for approving a structure of this size.

The letter from the Federal Minister for Communications states

*“The Government’s firm view is that the carriers should engage meaningfully and sensitively with the stakeholders, including the community and Local Council, when deploying infrastructure under the Commonwealth Laws.”*

This particular tower seems to have been installed without any notification or consultation processes as set out in the Industry Code.

Northern Beaches Council have chosen not to act and investigate the illegal installation at 224 Headland Road. The New South Wales Ombudsman has now been contacted to initiate a formal investigation and confirm receipt of NWTA’s complaint.

NWTA concludes the tower at 224 Headland Road has been illegally constructed.

## 6. **GEOFF LANCASTER:** Response to claims

NWTA would like to address several inaccuracies within the letter from Geoff Lancaster (GL) to NWTA - dated 24/08/2023. Namely - GL claims "The community is safe"; GL claims 'According to ARPANSA limits based on over 25,000 studies, the risk of danger from electromagnetic radiation is almost non-existent' and GL claims "0.185% of the allowable limit and this was measured in the classroom closest to the base station.

GL claims 'The community is safe'

- iii. NWTA claim that the regulators, telcos & insurance companies never use the word safe for a reason. It is not clear how GL can arrive at this conclusion. NWTA would like GL to support this statement with exactly those studies that show 18.5mW/m<sup>2</sup> or for that matter, 5,030 mW/m<sup>2</sup> (NWTA Data) is safe for humans.
- iv. NWTA would also like to draw attention to the 1000's of independent studies, independent scientists, and the existence of Oceania Radiofrequency Scientific Advisory Association Inc (ORSA), which has the signatures of 100s of scientists that state the exact opposite - that it is not safe.

GL claims 'According to ARPANSA limits based on over 25,000 studies, the risk of danger from electromagnetic radiation is almost non-existent'.

- iii. NWTA claims virtually all studies that purportedly support the claim that non-ionizing radiation does not cause harm, can be traced back to direct or indirect funding of the telecommunications Industry. These studies are not independent. Their conclusions are conflicted, and in sourcing the studies as evidence of safety, the regulating bodies that the public rely upon, and trust are misleading.
- iv. NWTA have sourced over 2000 independent studies that refute these studies. Independent of industry funding, whilst not a guarantee of accuracy at least it guarantees impartiality.

GL claims "0.185% of the allowable limit and this was measured in the classroom closest to the base station".

- ii. NWTA's groundbreaking independently collected data, collected 24/7 real-time, over the course of 4 months, and with new data collection now underway every 40 seconds, also 24/7, using independent, industry recognised, calibrated devices, NWTA believes this is a quantum leap in terms of accuracy from the apparent method used by Dr Philip Knipe. NWTA knows its methodology of collection is a quantum leap, when compared to any other method used in the industry, here in Australia, and across the Western world.
- iii. Several requests to be able to access this data, and its methodology of collection to be better able to demonstrate the inadequacies of their inferior approach. Our requests were met with conditions rendering this exercise futile.

In summary, taking into consideration the above and all our findings, his arguments do not take into consideration ARPANSA admits significant health risks at the levels he states your children are vulnerable to (18.5mW/m<sup>2</sup>). He may not be aware ARPANSA disclaims responsibility for the health of your children. He may be unaware that ARPANSA had failed to keep telcos accountable to industry regulations and may not be aware that the industry are systemically breaching their obligations to report what they are broadcasting (with undisclosed devices discovered on this

tower and several others we have uncovered). He also may not be aware that ARPANSA radiation limits have been breached by Optus in this instance, as demonstrated by our independent study. It remains to be seen if he is aware of the illegal status of the tower, but we maintain that in conclusion, Geoff Lancaster should take all these findings into consideration before he declares the safety of your children.

## 7. CONCLUSIONS

NWTA has undertaken an exhaustive investigation, the following can be concluded, even though many of our investigations are still underway:

- a. Independent, industry calibrated, real time ACTUAL data has refuted the maximum potential projections put forward by both the industry and by the school. The school made their claim to maximum exposures of  $18.5\text{mW}/\text{m}^2$  in defense of our claims that children were being excessively radiated. Our investigations demonstrate your children are at risk of being radiated AT LEAST 272 times more than you are being told. Our investigations revealed that this likely number is still materially understated, with the discovery of non-disclosed broadcasting equipment on the tower at frequencies we understand require vastly more power to be able to deliver its designated purpose.
- b. Notwithstanding the above, symptomatically, children and or staff have either died, or continue to suffer from known symptoms of radiation. Knowledge of these symptoms and the connection of them to radiation, has been openly admitted to by ARPANSA, at the levels the school have claimed exist at the school ( $18.5\text{mW}/\text{m}^2$ ). We note that the ARPANSA is disclaiming any responsibility for your health, and therefore we declare that no one – not the industry, not the school, nor the council who you may have trusted to date, can be relied upon to tell you that this tower is safe.
- c. In case it was not clear, the school and the council may believe that ARPANSA has your health in mind in setting regulations, which it may. But the industry regulator, ACMA, is ignoring them, and further not holding the industry accountable to them. We have shown ARPANSA has disclaimed responsibility for your health and ACMA has failed to hold the industry accountable to ARPANSA's Standards.
- d. In fact, the industry participants are not complying with the explicit requirement to validate their projections. Worse still, they are misleading you into believing that the only equipment radiating the community is what they disclose on the EME report. This is false with the discovery of at least 1 unit that we have confirmed is broadcasting 18GHz.
- e. NWTAs investigation has concluded that the tower itself was constructed illegally.
- f. Finally, subject to NWTA's immediate goal being met, immediate cessation of the broadcast of biologically harmful radiation, NWTA, its supporting networks and technical experts from around the world, propose a coming together of the infrastructure owners and our experts in pre-existing, biologically friendly communication systems, to resolve for the orderly transition from an infrastructure that emits high levels of toxicity to one that is at least biologically inert.



## 8. YOUR NEXT STEPS

Despite threats by those who you trust with the welfare of your children, and attempts to silence the sharing of this information, a group of committed members of the community have come together.

They have facilitated an extraordinary collaboration between the community and industry experts, that as far as we know, has never been done before.

This is a world first. There is no precedent you can look for that has been done with the level of detail and thoroughness than this project. Anywhere.

These exceptional people have put themselves and their reputations firmly on the line, putting integrity to what they know to be true, first, notwithstanding the risk to their reputations and families.

The threat of being silenced has not stopped this intense 18+ month investigation.

Why?

Our children. Their teachers. The Staff. The local community.

They are simply not aware of the risks.

We have sought to right this, and at the very least, we expect you to express your concern and demand caution on the part of those who are saying there is NO danger, and sign a Withdrawal of Consent Notice:

Parents and carers, please sign a withdrawal of consent notice to stop the radiation of your children.

Teachers and staff, please sign a withdrawal of consent notice to protect yourselves and your pupils.

Residents and families, you more than any are exposed to the constant radiation emissions from 224 Headland Road, please sign a withdrawal of consent notice to protect yourselves.

Employers and staff situated near the tower, please sign a withdrawal of consent notice to protect yourself and your staff.

[Link to withdrawal of consent notice](#)