An Coimisiún um Rialáil Cumarsáide
Commission for Communications Regulation

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1. Survey Summary

Address of Transmitter Site Surveyed:	Q-Park, Grand Parade, Cork.
Survey Date:	05/10/2026
Base Station ID's:	CK0141 / CK224
Network Operators:	Vodafone/ Three
Technologies Measured:	GSM / LTE / NR5G / UMTS
Frequency Bands:	700 / 800 / 900 / 1800 / 2100 / 2300 / 2600 / 3600 MHz
Technology Bands:	L7 / L8 / G9 / U9 / L9 / L18 / L21 / N23 / L26 / N36[1]

Measurement Location: (at point of maximum non-ionising radiation near site, approximate distance from site.)	On top floor of multi-storey carpark, close to antenna location.

Measurement Location Coordinates (decimal):	**LAT**	**LONG**
	51.896764	- 8.474167

Purpose and Conduct of Survey:

The purpose of this survey was to assess compliance with the limits for general public exposure to non-ionising radiation (**NIR**) set by the International Commission on Non-Ionising Radiation Protection (**ICNIRP**) **("ICNIRP Public Exposure Limits")**.

Compliance with the ICNIRP Public Exposure Limits is a condition of a General Authorisation for an electronic communications network/service as well as of various Wireless Telegraphy licences issued by the Commission for Communications Regulation (**ComReg**).

The survey was conducted by:

- measuring the overall electromagnetic field (**EMF**) present at the point of highest exposure in a public area associated with the designated transmitter site;
- identifying the frequency of the principal emissions contributing to the EMF; and
- measuring the intensity (or level) of same.

Overall Conclusions of the Survey	
Frequency Selective Measurements: (Individual emissions measured at specific frequencies)	**Below ICNIRP Public Exposure Limits [Compliant]**
Total Exposure Quotient: (Assessment of cumulative emissions from multiple transmitters)	**Below ICNIRP Public Exposure Limits [Compliant]**

[1] Where the letters refer to a technology G refers to GSM , L refers to LTE, U refers to UMTS, N refers to NR5G, T refers to Tetra , and the numbers refer to a frequency band 7 refers to 700 MHz, 8 refers to 800 MHz , 9 refers to 900 MHz, 18 refers to 1800 MHz , 21 refers to 2100 MHz , 23 refers to 2300 MHz , 26 refers to 2600 MHz, 36 refers to 3600 MHz and the combination to a technology in a frequency band , L21 refers to LTE in the 2100MHz band , N21 refers to NR5G in the 2100 MHz band , L18 refers to LTE in the 1800 MHz band , N18 refers to NR5G in the 1800 MHz band etc. etc.

2. Surveyors

Survey conducted for ComReg by:	**Compliance Engineering Ireland Ltd.**	COMPLIANCE ENGINEERING IRELAND LTD

Survey Engineer(s):	**Report Writer:**	**Report Reviewer:**
Michael Reilly, BEng	Michael Reilly, BEng	John McAuley, MEng

3. Survey Location Details

Designated Transmitter Site Photo



Survey Weather

Sky: Light Cloud

Temperature:
16° C

Relative Humidity:
47 %

Map(s) of Designated Transmitter Site and Measurement Location (Checks and Final)



Initial measurement point check readings: (approximate)	1. 1.97 V/m 2. 0.80 V/m 3. 0.94 V/m 4. 1.52 V/m 5. 22.03 V/m	6. 1.24 V/m 7. 0.71 V/m 8. 1.56 V/m 9. 1.47 V/m 10. 1.82 V/m

4. Introductory Note

Purpose of Survey

The survey of the designated transmitter site (**"Designated Site"**) was commissioned by ComReg as part of its Programme of Measurement of Non-Ionising Radiation. The purpose of the survey was to assess whether NIR (occurring within the radio frequency part of the electromagnetic spectrum) from the Designated Site complied with the limits for general public exposure specified in the guidelines published by ICNIRP ("**ICNIRP Public Exposure Limits"**).[2] Compliance with the ICNIRP Public Exposure Limits is a condition of a General Authorisation for the provision of an electronic communications network/service (e.g. mobile phone and broadcasting networks) as well as of various Wireless Telegraphy licences (in respect of transmitting stations) issued by ComReg.

Survey Methodology

Measurements of the NIR from the Designated Site were conducted in accordance with the methodology outlined in ComReg Document 08/51R4[3]. Once standardised, these methodologies are to be incorporated. Methodologies used in conducting this site reports are listed below;

- European Electronic Communications Committee (**ECC**) Recommendation (02)04[4];
- European Committee for Electrotechnical Standardisation (**CENELEC**) measurement standard EN 50492:2008[5], and
- Measurement techniques developed by the Institut für Mobil- und Satellitenfunktechnik (**IMST**) and the EM-Institut on behalf of the German Federal Office for Radiation Protection.[6]

Additional methodologies to be used in conducting this site report are listed below:

- Measurement techniques as published by Dr. Helmut Keller on behalf of Narda Safety Test Solutions.[7]

Note re this Report Version

If you have downloaded this report from ComReg's Siteviewer[8] or from www.comreg.ie, you are reading an abbreviated version. The full technical version of this report also contains a comprehensive technical record of the measurements and any calculations performed, a list of equipment used, and a technical appendix. A copy of the full report is available upon request from ComReg.

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[2] Current ICNIRP guidelines:

- *"Guidelines for Limiting Exposure to Electromagnetic Fields (100 kHz to 300 GHz)",* ICNIRP, published in 'Health Physics', March 2020, Volume 118, No. 5: https://www.icnirp.org/cms/upload/publications/ICNIRPrfgdl2020.pdf
- *"Guidelines for Limiting Exposure to Time-Varying Electric and Magnetic Fields (1 Hz to 100 kHz)"*, ICNIRP, published in 'Health Physics', December 2010, Volume 99, No. 6: https://www.icnirp.org/cms/upload/publications/ICNIRPLFgdl.pdf

[3] https://www.comreg.ie/publication/programme-of-measurement-of-non-ionising-radiation-methodology-for-the-conduct-of-surveys-to-measure-non-ionising-radiation-from-transmission-sites

[4] ECC RECOMMENDATION (02)04, *"Measuring Non-Ionising Electromagnetic Radiation (9 kHz – 300 GHz)"*, ECC, (revised Bratislava 2003, Helsinki 2007): http://www.erodocdb.dk/Docs/doc98/official/pdf/REC0204.PDF

[5] EN 50492:2008, *"Basic standard for the in-situ measurement of electromagnetic field strength related to human exposure in the vicinity of base stations"*, CENELEC, November 2008: http://www.cenelec.eu

[6] See: http://www.bfs.de .

[7] *"On the Assessment of Human Exposure to Electromagnetic Fields Transmitted by 5G NR Base Stations", published in 'Health Physics', November 2019 Volume 117, No.5: https://journals.lww.com/health-physics/fulltext/2019/11000/on_the_assessment_of_human_exposure_to.7.aspx*

8 https://siteviewer.comreg.ie/

5. Survey Overview

Survey Stages

In accordance with the methodology outlined in ComReg Document 08/51R4, this survey was conducted in three stages:

1. **Initial Site Survey**
2. **Full Survey – Broadband Measurements**
3. **Full Survey – Frequency Selective Measurements**

An outline of each stage, along with the results and conclusions of the measurements, are presented in the following three sections.

Measurement of Electromagnetic Fields

Electromagnetic fields (**EMFs**) can be sub-divided into two components:

- Electric field (**E-field**) (measured in volts per metre or "V/m"]; and
- Magnetic field (**H-field)** (measured in amperes per metre or "A/m"].

The E-field and the H-field are mathematically interdependent[9] in the **radiating near-field**[10] and the **far-field**[11]**,** which are located before and beyond a distance of at least the wavelength of the radiated EMF respectively. The measurement locations for most transmitter installations lie well within the far-field, as the wavelengths of the transmitted signals are relatively short, and the antennas are typically located many metres from any public area.

The following table gives examples of wavelengths for some commonly transmitted signals:

Transmitter Type	Frequency	Wavelength
PMR Low Band VHF	68 MHz	4.41 m
UHF TV	470 MHz	0.64 m
GSM 900 (2G mobile base station)	925 MHz	0.32 m
LTE 1800 (4G mobile base station)	1805 MHz	0.17 m
UMTS (3G mobile base station)	2110 MHz	0.14 m
5G NR (5G Mobile base station)	3500 MHz	0.09 m

In the radiating near-field and far-field, only one component needs to be measured, as the other component can be readily derived from it. Normally, it is the E-field which is measured.

In the case of transmitters of very long wavelength signals, such as long wave radio (1.19 km wavelength), the H-field and E-field must be measured separately as the point of measurement will most likely lie within the **reactive near-field**[12] region. In this region, located within a distance of at least the wavelength of the radiated EMF, the relationship between E and H becomes very complex and there is no direct correlation between both components of the EMF.

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[9] $E \approx H \times Z_0$ (Radiating Near Field) and $E = H \times Z_0$ (Far Field), where Z_0 (characteristic impedance of free space) $\approx 377\ \Omega$

[10] Beyond a distance of max(λ, D, $D^2/4\lambda$), where λ is the wavelength and D is the antenna's largest dimension

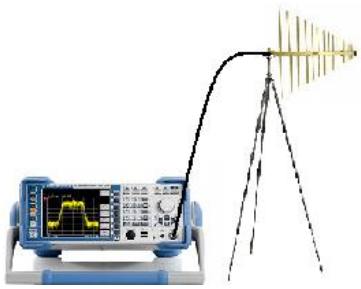
[11] Beyond a distance of max(5λ, 5D, $0.6D^2/\lambda$)

[12] Within a distance of max (λ, D, $D^2/4\lambda$)

Measurement Equipment

The measurement of EMFs is a complex process which involves the use of various meters, spectrum analysers, probes and antennas, appropriate to the frequencies of the emissions being measured.

The table below shows examples of equipment typically used to measure EMFs in NIR surveys.

<table>
<tr><th>Initial Site Survey and Broadband Measurements</th><th colspan="2">Frequency Selective Measurements</th></tr>
<tr><td>
</td><td colspan="2">SPECTRUM ANALYSER WITH TRIPOD MOUNTED ANTENNA CONNECTED

PORTABLE SPECTRUM ANALYSER WITH ANTENNA DIRECTLY CONNECTED
</td></tr>
<tr><td>Used to measure the overall electric or magnetic field present over a range of frequencies (e.g. 100kHz to 3GHz).</td><td colspan="2">Spectrum analysers are used to measure individual emissions at specific frequencies. Individual emissions contribute to the overall EMF. Examples of individual emissions are a TV signal, and a mobile phone signal for a particular mobile operator. There may be a number of emissions from different transmitters contributing to the overall EMF at a particular location.</td></tr>
</table>

6. Initial Site Survey

An initial survey was carried out in the area around the Designated Site in order to determine the point of maximum NIR. This is the location at which the overall E-field strength level measured was somewhat higher than that measured in other areas around the site and represents the highest level of exposure to which a member of the general public might be subjected in the vicinity of the transmitter.

For this initial survey a calibrated field strength meter fitted with a **3 GHz isotropic probe** was used. The meter and probe were used to measure the sum of all electrical fields present at **all frequencies from 100 kHz up to 3 GHz**.

Once the point of maximum NIR was determined, broadband and frequency-selective measurements were conducted at that location (see following two sections). For the duration of those measurements, the various instruments, antennas and probes used were mounted on non-metallic supports.

7. Full Survey – Broadband Measurements

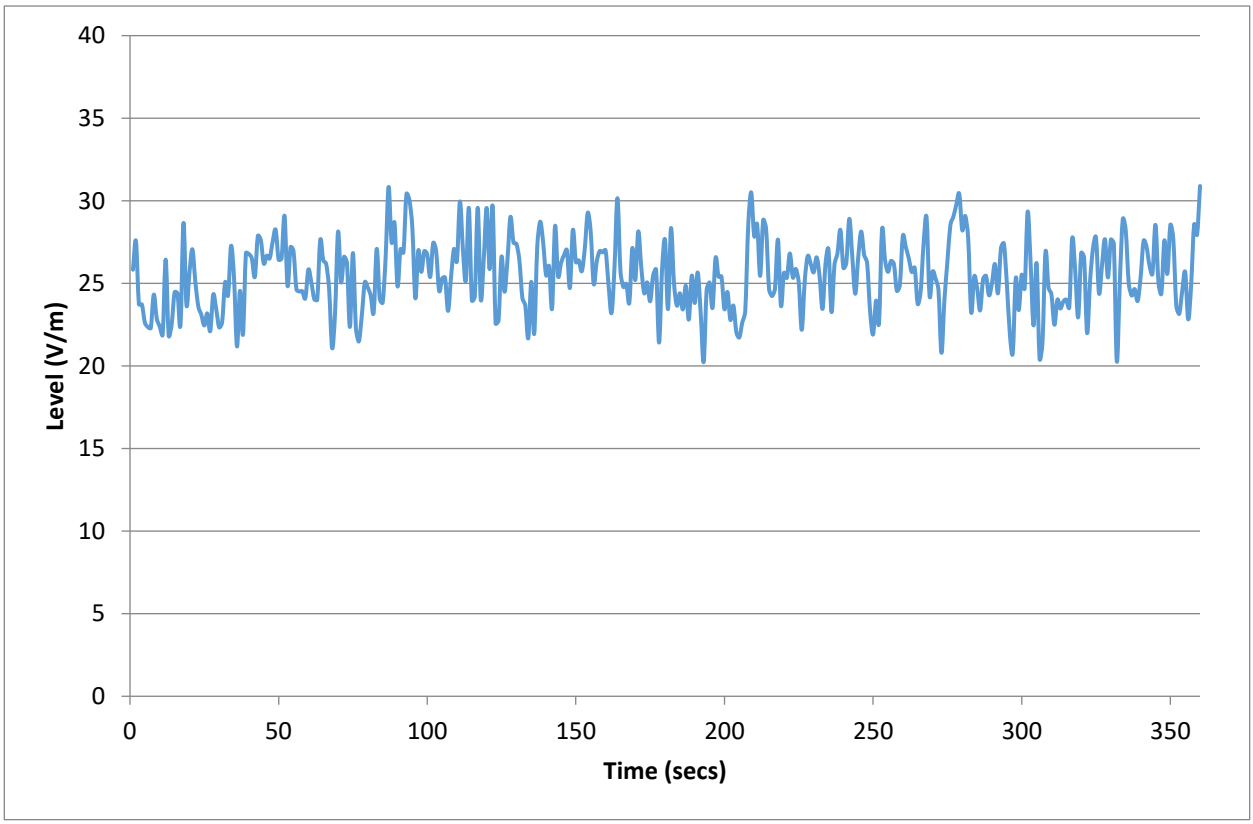
The purpose of these measurements was to get an overview of the intensity of the EMF present at the point of maximum NIR near the Designated Site.

There, the field strength meter (which was mounted on a tripod and fitted with **3GHz isotropic probe)**, was set to record, over a six-minute period, simultaneous measurements of the sum of all received signals within the frequency range of the probe. This measurement was then repeated using a **40 GHz isotropic probe**.

The broadband measurement results presented below show the levels in volts per metre (V/m) recorded during the six-minute period. The average and maximum levels can be compared to the lowest maximum ICNIRP Public Exposure Limits which is 27.7 V/m.

If a broadband measurement is higher than 27.7 V/m, it does not necessarily follow that the ICNIRP Public Exposure Limits have been exceeded because the limits are frequency dependent. A more detailed investigation involving frequency selective measurement is necessary to assess compliance with the ICNIRP Public Exposure Limits (see following section).

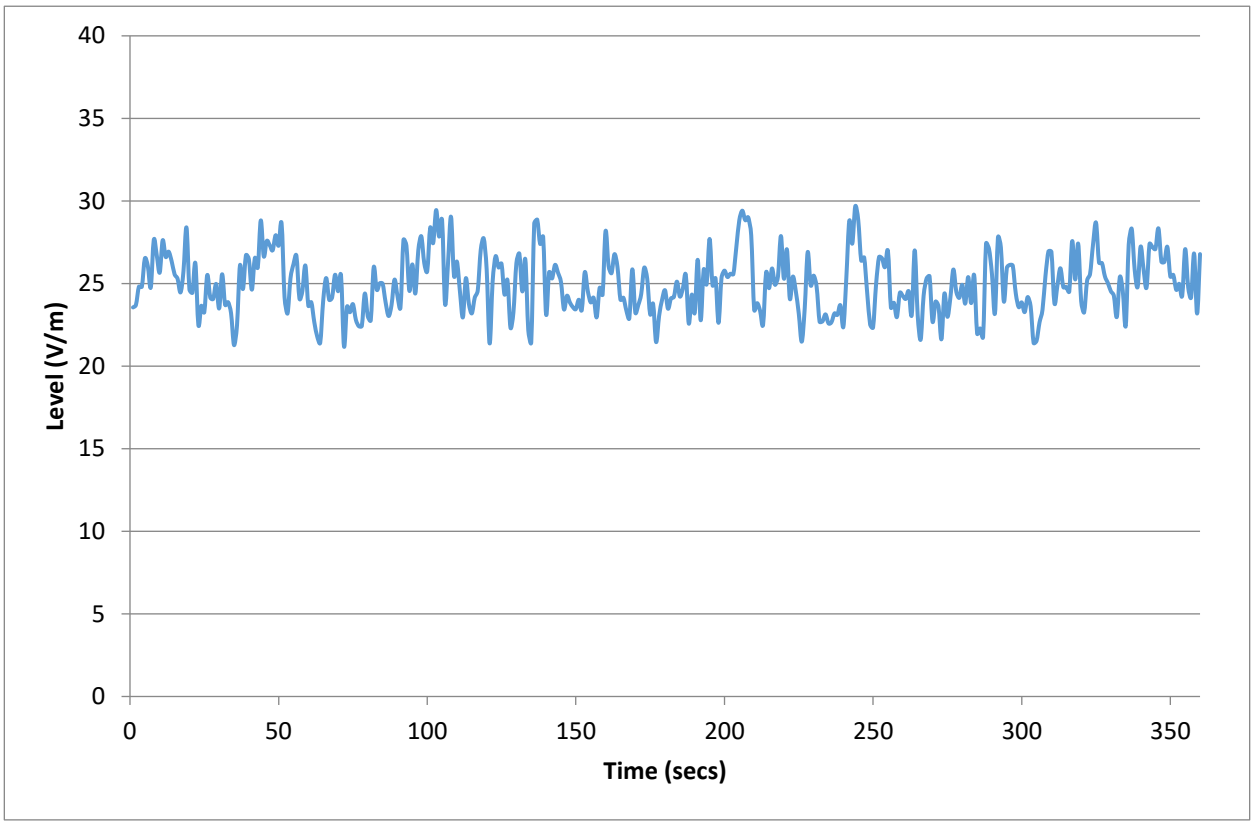
Electric field strengths recorded over 6-minute period using 3 GHz probe at point of maximum NIR



Acquisition Mode: 1 Sec. Sampling

Mean Measurement V/m:	25.51 V/m	**Peak Measurement V/m:**	30.90 V/m
Date:	05/10/2026	**Start Time:**	11:31
Meter:	NBM-550	**Probe:**	EF3091
Frequency Range:	100 kHz – 3 GHz		

Electric field strengths recorded over 6 min period using 40 GHz probe at point of maximum NIR



Acquisition Mode: 1 Sec. Sampling

Mean Measurement V/m:	25.02 V/m	**Peak Measurement V/m:**	29.68 V/m
Date:	05/10/2026	**Start Time:**	11:44
Meter:	NBM-550	**Probe:**	EF 4091
Frequency Range:	27 MHz – 40 GHz		

Conclusion of the Broadband Measurements

The mean measurements were below the lowest ICNIRP guideline limit of 27.7 V/m. The peak measurements were above the lowest ICNIRP guideline limit, but at the individual frequencies, the measurements were below the ICNIRP limits, so the measurements comply with the ICNIRP guidelines.

8. Full Survey – Frequency Selective Measurements

Basic Measurement Procedure

A more detailed survey was performed at the point of maximum NIR near the Designated Site to identify the individual transmit frequencies and field strengths of each type of emission - e.g. mobile (GSM, UMTS, LTE and 5G NR), wireless broadband (BWA), television (DVB-T), FM radio - and their contribution to the total EMF.

The measurements were performed using spectrum analyser equipment and a range of antennas to match the frequency bands in which emissions were measured.

Table of Measurement Results

A list of the measurements made is presented in the table on the following page. For each emission measured, the table shows:

- **Emission Type** (e.g. GSM, UMTS, LTE, 5G NR, DVB-T etc);
- Transmission **frequency** of the signal;
- **Measured Level** (in volts per metre (V/m));
- **Adjusted Level** (if applicable to account for the characteristics of certain signal types or to compensate for limitations of measurement equipment or to estimate emissions for maximum call or data traffic); and
- **ICNIRP Public Limit**.

Further details of Adjusted Level/s and ICNIRP Public Exposure Limits are in the explanatory notes which follow the table of measurement results.

Assessment of ICNIRP Compliance of Individual Emissions

The levels for each measured emission (as adjusted where necessary) are compared to the relevant ICNIRP Public Exposure Limit which applies for the particular frequency of the emission. It should be again noted that the ICNIRP Public Exposure Limit varies according to frequency - the limits for the different measurements presented in the tables will vary as the measurements have been performed at different frequencies.

Assessment of ICNIRP Compliance of Cumulative Emissions

The levels measured for individual emissions are used to calculate **Total Exposure Quotients** to assess the cumulative effect of individual emissions from multiple transmitters. Further details of these quotients are in the explanatory notes which follow the table of measurement results.

The calculated values of the Total Exposure Quotients must be ≤ 1 in order for the aggregate of multiple measurements to satisfy the criteria of the ICNIRP Public Exposure Limit.

Table of Frequency Selective Measurement Results					
Emission Type	**Frequency (MHz)**	**Measured Level (V/m)**	**Adjusted Level (V/m)**	**ICNIRP Exposure Limit (V/m)**	**Times below Limit** [adjusted Values]
FM Radio	106.102	0.05317	0.05317	27.7	520.970
FM Radio	102.600	0.03726	0.03726	27.7	743.425
FM Radio	96.400	0.03009	0.03009	27.7	920.572
FM Radio	98.800	0.02211	0.02211	27.7	1252.827
FM Radio	101.500	0.01332	0.01332	27.7	2079.580
FM Radio	94.750	0.01283	0.01283	27.7	2159.002
FM Radio	93.550	0.01209	0.01209	27.7	2291.150
FM Radio	99.250	0.01100	0.01100	27.7	2518.182
FM Radio	93.100	0.01006	0.01006	27.7	2753.479
FM Radio	101.050	0.00833	0.00833	27.7	3326.928
FM Radio	89.200	0.00737	0.00737	27.7	3760.521
FM Radio	90.850	0.00691	0.00691	27.7	4011.005
FM Radio	92.050	0.00657	0.00657	27.7	4214.210
FM Radio	91.450	0.00645	0.00645	27.7	4294.574
FM Radio	94.150	0.00558	0.00558	27.7	4966.828
FM Radio	98.350	0.00551	0.00551	27.7	5024.488
FM Radio	107.795	0.00408	0.00408	27.7	6787.552
FM Radio	89.650	0.00291	0.00291	27.7	9522.173
FM Radio	88.150	0.00092	0.00092	27.7	30174.292
PMR	redacted	0.01198	0.01198	27.7	2312.187
PMR	redacted	0.01153	0.01153	27.7	2402.428
PMR	redacted	0.00072	0.00072	27.7	38611.653
T-DAB	188.670	0.02531	0.02531	27.7	1094.429
TETRA	redacted	redacted	redacted	27.7	redacted
TETRA	redacted	redacted	redacted	27.7	redacted
TETRA	redacted	redacted	redacted	27.7	redacted
TETRA	redacted	redacted	redacted	27.7	redacted
TETRA	redacted	redacted	redacted	27.7	redacted
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TETRA	redacted	redacted	redacted	27.7	redacted

TETRA	redacted	redacted	redacted	27.7	redacted
TETRA	redacted	redacted	redacted	27.7	redacted
PMR	redacted	0.09380	0.09380	29.3	312.129
PMR	redacted	0.01991	0.01991	29.4	1478.650
PMR	redacted	0.00877	0.00877	29.5	3361.810
PMR	redacted	0.00076	0.00076	29.2	38224.949
PMR	redacted	0.00068	0.00068	29.4	42990.115
PMR	redacted	0.00051	0.00051	29.4	57871.647
PMR	redacted	0.00046	0.00046	29.4	63925.988
PMR	redacted	0.00044	0.00044	29.3	66051.560
PMR	redacted	0.00040	0.00040	29.2	72278.193
PMR	redacted	0.00028	0.00028	29.6	105191.131
PMR	redacted	0.00027	0.00027	29.4	108675.431
DVB-T	666.170	0.04428	0.05225	35.5	679.212
DVB-T	562.450	0.03636	0.04290	32.6	760.044
DVB-T	578.610	0.03045	0.03593	33.1	920.505
DVB-T	617.990	0.02669	0.03149	34.2	1085.333
LTE	763.000	0.04560	0.13042	38.0	291.229
LTE	773.000	1.20000	3.43200	38.2	11.139
LTE	783.000	0.64540	1.84584	38.5	20.844
LTE	796.000	0.05710	0.16331	38.8	237.551
LTE	806.000	0.96680	2.76505	39.0	14.118
LTE	816.000	1.30000	3.71800	39.3	10.564
GSM	946.001	5.37300	10.74600	42.3	3.936
GSM	957.397	2.98200	5.96400	42.5	7.134
GSM	948.600	0.84420	1.68840	42.3	25.082
GSM	949.200	0.83230	1.66460	42.4	25.449
GSM	949.800	0.83230	1.66460	42.4	25.457
GSM	955.992	0.63110	1.26220	42.5	33.682
GSM	946.600	0.26320	0.52640	42.3	80.366
GSM	947.200	0.17010	0.34020	42.3	124.391
GSM	926.100	0.10460	0.20920	41.8	200.018
GSM	929.100	0.10250	0.20500	41.9	204.447
GSM	947.800	0.07885	0.15770	42.3	268.429
GSM	928.800	0.05025	0.10050	41.9	416.963
GSM	928.300	0.04540	0.09080	41.9	461.382
GSM	925.400	0.04540	0.09080	41.8	460.661
GSM	927.500	0.04425	0.08850	41.9	473.169
UMTS FDD	937.000	0.95600	3.57001	42.1	11.790
UMTS FDD	932.500	0.31970	1.19386	42.0	35.170
LTE	952.500	0.87250	1.85843	42.4	22.834
LTE	1815.000	3.50000	12.26136	58.6	4.778
LTE	1830.000	1.10000	4.44972	58.8	13.219
LTE	1855.000	1.40000	5.66328	59.2	10.457
LTE	1875.000	0.07810	0.27360	59.5	217.611
LTE	2120.000	3.40000	14.48400	61.0	4.212
LTE	2140.000	1.10000	4.68600	61.0	13.017
LTE	2160.000	0.07970	0.33952	61.0	179.664

5G NR	2345.000	0.02070	1.13400	61.0	53.792
WiFi	2432.000	0.06206	0.10097	61.0	604.167
WiFi	2402.000	0.05724	0.09312	61.0	655.042
WiFi	2482.000	0.04899	0.07970	61.0	765.353
WiFi	2417.000	0.04050	0.06589	61.0	925.793
WiFi	2437.000	0.02482	0.04038	61.0	1510.662
WiFi	2447.000	0.01562	0.02541	61.0	2400.424
WiFi	2467.000	0.01184	0.01926	61.0	3166.775
LTE	2665.000	0.62890	2.67911	61.0	22.769
LTE	2685.000	0.75190	2.77451	61.0	21.986
5G NR	3525.000	0.30908	17.84500	61.0	3.418
5G NR	3660.000	0.06281	3.24400	61.0	18.804
5G NR	3750.000	0.58586	33.82400	61.0	1.803
WiFi	5180.000	0.01330	0.09829	61.0	620.614
WiFi	5240.000	0.00771	0.06153	61.0	991.405
WiFi	5320.000	0.02000	0.15962	61.0	382.158
WiFi	5640.000	0.03846	0.54378	61.0	112.178
WiFi	5780.000	0.00220	0.01936	61.0	3151.157
WiFi	5840.000	0.01560	0.11999	61.0	508.392

Total Exposure Quotients [calculated from Adjusted Levels]			
Quotient	**Frequency Range**	**Calculated Quotient Value**	**Limit**
Electrical Stimulation Effects (as per ICNIRP 2010)	**1 Hz to 10 MHz**	n/a	1
Thermal Effects etc. (as per ICNIRP 2020)	**100 kHz and above**	0.645725	1

Overall Conclusions of the Survey	
Frequency Selective Measurements: (Individual emissions measured at specific frequencies)	**Below ICNIRP Public Exposure Limits (Compliant)**
Total Exposure Quotient: (Assessment of cumulative emissions from multiple transmitters)	**Below ICNIRP Public Exposure Limits (Compliant)**

Explanatory Notes

Adjusted Levels

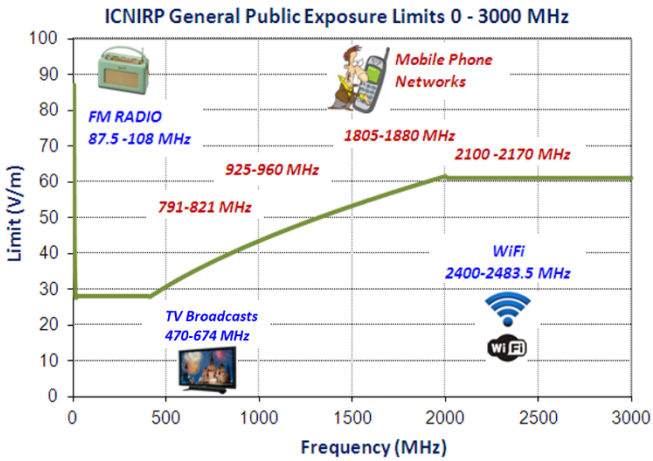
For some emissions, an adjusted level may be required to be derived from the measured level:

(1) **to compensate for the limited measurement resolution of the spectrum analyser.** For example, a measurement of a DVB-T (digital TV) signal performed with a resolution of 5 MHz needs to be adjusted upwards using a correction factor to account for the energy present within the full 7.61 MHz bandwidth of the signal; and/or

(2) **to extrapolate to an estimate of the level under maximum traffic or duty cycle from the transmitter.** For example, the base stations of mobile phone networks produce emissions which vary according to the changing volume of calls or data traffic over the course of the day.

ICNIRP Public Exposure Limits

These are set out in the ICNIRP Guidelines as reference levels for the practical assessment of exposure to electric and magnetic fields, as experienced by the general public (excluding occupational exposure and exposure during medical procedures). The limits vary according to the frequency of the emissions as illustrated in the adjacent diagram. For example, the limits for Wi-Fi in the 2400-2483.5 MHz frequency band are higher than those for FM Radio transmissions in the much lower 87.5-108 MHz frequency band.



Total Exposure Quotients

The Total Exposure Quotients (which must be ≤ 1) are calculated in accordance with mathematical formulas specified in the ICNIRP Guidelines to assess the cumulative effect of emissions from multiple transmitters. The quotients in this report are calculated from the Adjusted Levels rather than from the Measured Levels to account for total potential public exposure under maximum traffic conditions.

The two quotients are as follows:

(1) **Quotient for Electrical Stimulation Effects (1 Hz to 10 MHz)**
This quotient is calculated only in a small number of cases where strong emissions in the frequency range between 1 Hz and 10 MHz are present at the survey location (e.g. near a long wave radio transmitter site). This essentially involves summing the ratios (measured field strength/applicable limit) for each emission.

(2) **Quotient for Thermal Effects etc. (100 kHz and above)**
The measurements of any emissions above 100 kHz are used to calculate a quotient to assess any thermal (heat) and other effects as per ICNIRP 2020. This essentially involves summing the squares of the ratios (measured field strength/applicable limit) for each emission.

1. Measurement Equipment List

Broadband Measurements

Field Strength Meter

Manufacturer:	Narda
Model:	NBM-550
Serial Number:	A-0068
Calibration Date:	15/04/2025

3 GHz Probe

Manufacturer:	Narda
Model:	EF 0391
Serial Number:	A-0119
Calibration Date:	15/04/2025
Frequency Range:	100 kHz – 3 GHz

40 GHz Probe

Manufacturer:	Narda
Model:	EF 4091
Serial Number:	A-0110
Calibration Date:	15/04/2025
Frequency Range:	27 MHz – 40 GHz

Frequency Selective Measurements

Spectrum Analyser

Manufacturer:	Narda
Model:	Signalshark 3310
Serial Number:	AA-0268
Calibration Date:	20/03/2025

Spectrum Analyser

Manufacturer:	Rohde & Schwarz
Model:	FSH20
Serial Number:	102532
Calibration Date:	05/06/2026

See individual band scans in previous section for details of antennas used.

2. Site Photographs



Photo 1. Broadband Measurement location looking towards antennas



Photo 2. Frequency selective measurement location looking towards antennas