RADIO FREQUENCY EXPOSURE REPORT

REVISED FOR THE 110285-42

Device: Trainer Model: T2

Report No.: 110285-42A

Date of issue: December 20, 2024

PREPARED FOR:

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The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the sample equipment tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.

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Steve Behm
Director of Quality Assurance & Engineering Services
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Revision History

Original: Testing of Trainer Model: 500-0806, to Radio Frequency Exposure. **Revision A:** Revised Method & Other Considerations tables. Corrected MPE Calculation, US & IC MPE Assessment tables. Added RF Exposure Mobile Equipment Assessment information.

Purpose:

To demonstrate compliance with United States, Canada, Australia, New Zealand, European Union and/or United Kingdom RF Exposure requirements for Portable equipment (devices used ≤20cm from the body) with power output below exemption levels or Mobile equipment (devices used >20cm from the body) where Maximum Permissible Exposure (MPE) Calculations apply.

Device and Antenna Operating Configuration:

Device operating at maximum output power with continuous transmission of modulated data.

Method:

This equipment is evaluated in accordance with the guidelines set forth in 47 CFR 1.1310, KDB 447498 & ANSI C95.1 for the US, Health Canada Safety Code 6 & RSS 102 for Canada.

Other Considerations:

Report considers stand-alone equipment configurations only. RF Exposure limits are calculated at the mid-point of each operating band. Simultaneous transmissions are aggregated providing a worst case assessment.

Aggregation assessment assumes each radio operates simultaneously. Manufacturer declares WiFi radio operates on only one frequency at a time and does not support MiMo. Therefore, single transmit with worst case power output is assumed and represents worst case configuration.

Referenced Test Reports:

The following test reports were referenced in conjunction with this assessment: 110285-28 to 37 and 110285-50 to 55

Decision Rule:

Outcome of RF exposure assessment is listed in the comment section(s) below as a binary statement for simple acceptance rule according to ILAC-G8 (2019).

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Exposure Mobile Equipment Assessment Power Density Calculations

(Single Transmitter, Stand Alone)

MPE Calculation:

Power Density (S) = $\frac{EIRP}{4\pi d^2}$ Given: **EIRP** in mW or W and **d** in cm or m

US MPE Assessment

Power Reported is:	☐ Peak ⊠ Average									
Limit Used is:	⊠ Genera	☑ General Population □ Occupational Exposure								
Operating Band	Power	Ant Type/Gain	EIRP	Distance	MPE	Limit	Comment			
MHz	dBm	dBi	dBm	cm	mW/cm ²	mW/cm ²				
2402-2480	-1.16*	External/4.83	3.43	20	0.01	1.00	PASS			
(Bluetooth 1)	-1.10	LAternary 4.05	3.43	20	0.01	1.00	FA33			
2402-2480	8.91*	External/3.67	12.58	20	0.00	1.00	PASS			
(Bluetooth 2)	0.91	LACEITIAI/ 3.07	12.56	20	0.00	1.00	FA33			
2412-2462	13.79	External/3.76	17.55	20	0.00	1.00	PASS			
(802.11 Chain 0)	13.73	External/3.70	17.55	20	0.00	1.00	1 755			
2412-2462	15.28	External/3.76	19.04	20	0.02	1.00	PASS			
(802.11 Chain 1)	13.20	External/3.70	15.04	20	0.02	1.00	1 733			
5180-5240	12.34	External/4.66	17.00	20	0.01	1.00	PASS			
(802.11 Chain 0)	12.54	External 4.00	17.00	20	0.01	1.00	17.00			
5180-5240	13.21	External/4.66	17.87	20	0.01	1.00	PASS			
(802.11 Chain 1)	15.21	External 4.00	17.07	20	0.01	1.00	1 733			
5260-5320	12.45	External/4.66	17.11	20	0.01	1.00	PASS			
(802.11 Chain 0)	12.43	External 4.00	17.11	20	0.01	1.00	17.55			
5260-5320	13.29	External/4.66	17.95	20	0.01	1.00	PASS			
(802.11 Chain 1)	13.23	External 4.00	17.55	20	0.01	1.00	17.55			
5500-5720	11.18	External/4.66	15.84	20	0.01	1.00	PASS			
(802.11 Chain 0)		2/10/11/4/11/00			0.02		. ,			
5500-5720	12.00	External/4.66	16.66	20	0.01	1.00	PASS			
(802.11 Chain 1)	12.00	External 1100	10.00		0.01	2.00	17.00			
5745-5825	9.27	External/4.66	13.93	20	0.00	1.00	PASS			
(802.11 Chain 0)	J.2,	2,13011101/ 1100			5.00					
5745-5825	10.46	External/4.66	15.12	20	0.01	1.00	PASS			
(802.11 Chain 1)				_•						

^{*}Peak power used, assumes worst case.

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IC MPE Assessment

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Power Reported is:		☐ Peak ⊠ Average									
Limit Used is:	⊠ Genera	☐ General Population ☐ Occupational Exposure									
Operating Band	Power	Ant Type/Gain	EIRP	Distance	MPE	Limit	Comment				
MHz	dBm	dBi	dBm	m	W/m ²	W/m ²					
2402-2480 (Bluetooth 1)	-1.40*	External/4.83	3.43	0.2	0.11	5.37	PASS				
2402-2480 (Bluetooth 2)	8.91*	External/3.67	12.58	0.2	0.00	5.35	PASS				
2412-2462 (802.11 Chain 0)	13.79	External/3.76	17.55	0.2	0.04	5.41	PASS				
2412-2462 (802.11 Chain 1)	15.28	External/3.76	19.04	0.2	0.16	5.37	PASS				
5180-5240 (802.11 Chain 0)	12.34	External/4.66	17.00	0.2	0.10	9.12	PASS				
5180-5240 (802.11 Chain 1)	13.21	External/4.66	17.87	0.2	0.12	9.09	PASS				
5260-5320 (802.11 Chain 0)	12.45	External/4.66	17.11	0.2	0.10	9.14	PASS				
5260-5320 (802.11 Chain 1)	13.29	External/4.66	17.95	0.2	0.12	9.14	PASS				
5500-5720 (802.11 Chain 0)	11.18	External/4.66	15.84	0.2	0.08	9.43	PASS				
5500-5720 (802.11 Chain 1)	12.00	External/4.66	16.66	0.2	0.09	9.43	PASS				
5745-5825 (802.11 Chain 0)	9.27	External/4.66	13.93	0.2	0.05	9.76	PASS				
5745-5825 (802.11 Chain 1)	10.46	External/4.66	15.12	0.2	0.06	9.71	PASS				

^{*}Peak power used, assumes worst case.

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RF Exposure Mobile Equipment Assessment (Multi Transmitter, Simultaneous Transmission)

MPE Calculation:

Power Density (S) =
$$\frac{EIRP}{4\pi d^2}$$
 Given: **EIRP** in mW or W and **d** in cm or m

For multi-transmitter (including multi-band) equipment with simultaneous transmission, assessment of compliance to MPE limits is based on fractional analysis for each band of operation: $\sum_{i} \frac{S(Calculated)_{i}}{MPE\ Limit_{i}} \leq 1$.

For Mixed Measurements, the calculation is modified to include multiple RF exposure assessment types:

$$\sum_{i} \frac{S(Calculated)_{i}}{MPE\ Limit_{i}} + \sum_{i} \frac{S(Measured)_{i}}{MPE\ Limit_{i}} + \sum_{i} \frac{SAR_{i}}{SAR\ Limit_{i}} \leq 1.$$

The equipment is deemed to meet mobile RF exposure conditions when aggregate values are less than 1.

US MPE Assessment

Power Reported is:	☐ Peak 🗵	☐ Peak ☒ Average								
Limit Used is:	⊠ Genera	☐ General Population ☐ Occupational Exposure								
Operating Band	Power	Ant Type/Gain	EIRP	Distance	MPE	Limit	S/Limit			
MHz	dBm	Bm dBi dBm cm mW/cm² mW/cm²								
2402-2480 (BT1)	-1.16*	4.83	3.67	20	0.000	1	0.000			
2402-2480 (BT2)	8.91*	3.67	12.58	20	0.004	1	0.004			
2412-2462	15.28	3.76	19.04	20	0.016	1	0.016			
						:	0.020			
					Comment	•	Pass			

IC MPE Assessment

Power Reported is:	☐ Peak ⊠ Average								
Limit Used is:	⊠ Genera	☐ General Population ☐ Occupational Exposure							
Operating Band	Power	Ant Type/Gain	EIRP	Distance	MPE	Limit	S/Limit		
MHz	dBm	dBi	dBm	m	W/m ²	W/m ²			
2402-2480 (1)	-1.16*	4.83	3.67	0.2	0.00	5.41	0.001		
2402-2480 (2)	8.91*	3.67	12.58	0.2	0.01	5.41	0.002		
2412-2462	15.28	3.76	19.04	0.2	0.04	5.41	0.007		
						:	0.039		
					Comment		Pass		

^{*} Peak power used, assumes worst case.

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Summary:

Exemptions:

Equipment demonstrating compliance by portable RF exposure exemption have been evaluated, without further testing, for use under either portable or mobile RF exposure configurations. Additional configurations including collocation or simultaneous transmission with other transmitters (including necessary separation distances) are subject to further assessment. Certain exemption criteria may define specific separation distances. It is assumed that the manufacturer shall design the equipment such that these minimum separation distance is met.

MPE Calculation Results:

Equipment demonstrating compliance with MPE calculations have been evaluated, without further testing, for use under mobile RF exposure configurations as identified herein. Additional configurations including collocation or simultaneous transmission with other transmitters (including necessary separation distances) are subject to further assessment. It is assumed that the manufacturer shall design the equipment such that the minimum separation distance of 20cm (or greater, as listed above) is met or that the manufacturer provides a protection guide (e.g. installation instructions) to the end user such that the antenna(s) may be installed in accordance with the manufacturer's instructions in such a manor to maintain the minimum separation distance.

General Comments:

The absorption and distribution of Electromagnetic energy in the body is a very complex phenomena that depends on the mass, shape and physiological condition of the body; the orientation of the body with respect to the fields; and, the electrical properties of the body and the environment. Variables that may play a substantial role in possible biological effects are those that characterize the environment (including but not limited to: ambient temperature, air velocity, relative humidity and body insulation); and those that characterize the individual (including but not limited to: age, gender, activity level and existing debilitation or disease). Because innumerable factors may interact to determine specific biological effects of exposure to electromagnetic fields, any protection guide should consider both intended and unintended operational environments and provide guidance for installation and use of the equipment such that proper separation distances can be maintained. (ANSI C95.1)

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APPENDIX A - RF Exposure Limits

United States Compliance Requirements (1.1310):

RF Exposure Evaluation Limits Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	•	
0.3-3.0	614	1.63	*(100)	< 6
3.0-30	1842 / f _{MHz}	4.89 / f _{MHz}	*(900 / f _{MHz} ²)	< 6
30-300	61.4	0.163	1	< 6
300-1500			f _{MHz} / 300	< 6
1500-100,000			5.0	< 6

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Power Density Strength (A/m) (mW/cm²)		Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	< 30
1.34-30	824 / f _{MHz}	2.19 / f _{MHz}	*(180 / f _{MHz} ²)	< 30
30-300	27.5	0.073	0.2	< 30
300-1500	1		f _{MHz} / 1500	< 30
1500-100,000	1		1.0	< 30

^{*} Plane wave equivalent power density

Limit is calculated based on the mid-band frequency used in the operating frequency range.

Exemption Limits for Stand-Alone SAR Evaluation:

In accordance with 47 CFR 1.1307(b)(3)(i)

E	Exemption Threshold for Maximum Time Averaged Output Power or EIRP (mW)									
Frequency (MHz)	0.5 ≤ d ≤ 20cm	20cm < d ≤ 40cm								
0.1 - 100,000	≤ 1 (includ	ling d<0.5)								
0.3 - 1.34	1.64 * 192 * ($d^2 \mid d \ge \lambda/2\pi$								
1.34 – 30	$1.64 * 345 * \frac{d}{f_M^2}$	$\frac{d^2}{ddz} \mid d \ge \lambda/2\pi$								
30 – 300	$1.64 * 0.383 * d^2 \mid d \ge \lambda/2\pi$									
300 - 1500 -	$1.64 * 0.00128 * d^{2} * f_{MHz} \mid d \ge \lambda/2\pi, or$ $1.64 * 2.04 * f_{MHz} * \left(\frac{d}{20}\right)^{-Log\left(\frac{60}{2040*f_{MHz}^{1.5}}\right)-4.5}$	$1.64*0.00128*d^2*f_{MHz} \mid d \geq \lambda/2\pi, or$ $1.64*2.04*f_{MHz}$								
1500 – 6000	$164 * 1.92 * d^{2} \mid d \ge \lambda/2\pi, or$ $1.64 * 3060 * \left(\frac{d}{20}\right)^{-Log\left(\frac{60}{3060 * f_{MHz}^{0.5}}\right) - 1.5}$	$1.64 * 1.92 * d^2 d \ge \lambda/2\pi$, or $1.64 * 3060$								
6000 - 100,000	$1.64 * 1.92 * d^2 d \ge \lambda / 2\pi$									

 $Equations\ have\ been\ modified\ from\ the\ published\ version\ to\ reflect\ consistent\ units\ of\ d\ in\ cm,\ P_{th}\ in\ mW\ (EIRP)\ and\ f\ in\ MHz.$

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Canadian Compliance Requirements (RSS-102):

RF Exposure Evaluation Limits Occupational / Controlled Exposure:

Companional / Controlled Exposure.									
Frequency Range (MHz)	Electric Field Strength (V/m)	,		Averaging Time (minutes)					
0.003-10	170	180		Instantaneous					
0.1-10		1.6 / f _{MHz}		6					
1.29-10	193 / f _{MHz} ^{0.5}			6					
10-20	61.4	0.163	10	6					
20-48	129.8 / f ^{0.5}	0.3444 / f _{MHz} ^{0.25}	44.72 / f _{MHz} ^{0.5}	6					
48-100	49.33	0.1309	6.455	6					
100-6000	15.60 f _{MHz} ^{0.25}	0.04138 f _{MHz} ^{0.25}	0.6455 f _{MHz} ^{0.5}	6					
6000-15000	137	0.364	50	6					
15000-150,000	137	0.364	50	616000 / f _{MHz} ^{1.2}					
150,000-300,000	0.354 f _{MHz} ^{0.5}	9.40x10 ⁻⁴ f _{MHz} ^{0.5}	3.33x10 ⁻⁴ f _{MHz}	616000 / f _{MHz} ^{1.2}					

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Frequency Range (MHz)	•		Power Density (W/m²)	Averaging Time (minutes)
0.003-10	83	90	-	Instantaneous
0.1-10		0.73 / f		6
1.1-10	$87 / f_{MHz}^{0.5}$		1	6
10-20	27.46	0.0728	2	6
20-48	58.07 / f _{MHz} ^{0.25}	0.1540 / f _{MHz} ^{0.25}	$8.944 / f_{MHz}^{0.5}$	6
48-300	22.06	0.05852	1.291	6
300-6000	$3.142 f_{MHz}^{0.3417}$	0.008335 f _{MHz} ^{0.3417}	$0.02619 f_{MHz}^{0.6834}$	6
6000-15000	61.4	0.163	10	6
15000-150,000	61.4	0.163	10	616000 / f _{MHz} ^{1.2}
150,000-300,000	$0.158 f_{MHz}^{0.5}$	4.21x10 ⁻⁴ f _{MHz} 0.5	6.67x10 ⁻⁵ f _{MHz}	616000 / f _{MHz} ^{1.2}

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Exemption Limits for Stand-Alone SAR Evaluation:

Exemption Limits (mW) at Separation Distance (mm)											
Freq(MHz)	≤5	10	15	20	25	30	35	40	45	≥50	
≤300	71	101	132	162	193	223	254	284	315	345	
450	52	70	88	106	123	141	159	177	195	213	
835	17	30	42	55	67	80	92	105	117	130	
1900	7	10	18	34	60	99	153	225	316	431	
2450	4	7	15	30	52	83	123	173	235	309	
3500	2	6	16	32	55	86	124	170	225	290	
5800	1	6	15	27	41	56	71	85	97	106	

Exemption Limits for Stand-Alone Mobile Routine Evaluation:

Frequency (MHz)	RF Exposure Exemption Limit (mW)
<20	1000
20-48	4490 / f _{MHz} ^{0.5}
48-300	600
300-6000	13.1 f _{MHz} ^{0.6834}
≥6000	5000

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Australian Radiation Protection and Nuclear Safety Agency Requirements (ARPANSA):

RF Exposure Evaluation Limits Occupational / Controlled Exposure:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Power Density Strength (A/m) (W/m²)		Averaging Time (minutes)
0.1 - 6.943	170	4.9 / f _{MHz}	-	30
6.943-30	660 / f _{MHz}	4.9 / f _{MHz}		30
30-400	61	0.16	10	30
400-2000	3 * f _{MHz} ^{0.5}	0.008 * f _{MHz} ^{0.5}	f _{MHz} / 40	30
2000-300,000			50	30

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.1 - 6.27	83	2.2 / f _{MHz}		30
6.27 – 30	300 / f _{MHz} ^{0.7}	2.2 / f _{MHz}		30
30-400	27.7	0.073	2	30
400-2000	1.375 f _{MHz} ^{0.5}	0.0037* f _{MHz} ^{0.5}	f _{MHz} / 200	30
2000-300,000			10	30

Exemption Limits for Stand-Alone Evaluation:

In accordance with ARPANSA RPS S-1 Advisory Note.

Exemption Threshold for Maximum Time Averaged Output Power (mW)				
Frequency (MHz) General Public Occupational				
0.1 - 6000	20	100		
6000 – 30,000 8		40		
30,000 – 300,000 4 20				

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New Zealand Requirements (NZS 2772.1):

RF Exposure Evaluation Limits Occupational / Controlled Exposure:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.1 – 1	610	1.6 / f _{MHz}	1	6
1-10	610 / f _{MHz}	1.6 / f _{MHz}	-	6
10-400	61	0.16	10	6
400-2000	3 * f _{MHz} ^{0.5}	0.008 * f _{MHz} ^{0.5}	f _{MHz} / 40	6
2000-300,000	137	0.36	50	6

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.1 – 0.15	87	5		6
0.15 – 1	87	0.73 / f _{MHz}		6
1-10	87 / f _{MHz} ^{0.5}	0.73 / f _{MHz}		6
10-400	28	0.073	2	6
400-2000	1.375 f _{MHz} ^{0.5}	0.0037* f _{MHz} ^{0.5}	f _{MHz} / 200	6
2000-300,000	61	0.16	10	6

Exemption Limits for Stand-Alone Evaluation:

Mean Power < 20mW

Mean power < 2011W Mean power with duty cycle \leq 50% and d > 2.5cm: $\begin{cases} 7000 \mid 0.1 < f_{MHz} < 450 \, MHz \\ 630,000/f_{MHz} \mid 450 < f_{MHz} < 2500 \, MHz \end{cases}$ mW

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European Union Compliance Requirements 1999/519/EC

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.003-0.150	87	5.0		6
0.150-1.0	87	0.73 / f _{MHz}		6
1.0-10	87 / f _{MHz} ^{0.5}	0.73 / f _{MHz}		6
10-400	28	0.073	2	6
400-2000	1.375 f _{MHz} ^{0.5}	0.0037* f _{MHz} ^{0.5}	f _{MHz} / 200	6
2000-300,000	61	0.16	10	6

^{*}Power density limit applicable >100MHz

Exemption Limits¹ for Stand-Alone SAR Evaluation:

Head / Body: 20mW Extremity: 40mW

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¹ EN 62479 Annex A, General Public

General Reference Levels for Local Exposure (ICNIRP 1998):

RF Exposure Evaluation Limits Occupational / Controlled Exposure:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.00082-0.065	610	24.4	1	6
0.065-1.0	610	1.6/f	1	6
1.0-10	610 / f _{MHz}	1.6/f		6
10-400	61	0.16	10	6
400-2000	3.0 * f _{MHz} ^{0.5}	0.008 * f _{MHz} ^{0.5}	f _{MHz} / 40	6
2000-300,000	137	0.36	50	6

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Concrete operation, Character and Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.003-0.150	87	5.0	-	6
0.150-1.0	87	0.73 / f _{MHz}	-	6
1.0-10	87 / f _{MHz} ^{0.5}	0.73 / f _{MHz}	1	6
10-400	28	0.073	2	6
400-2000	1.375 f _{MHz} ^{0.5}	0.0037* f _{MHz} 0.5	f _{MHz} / 200	6
2000-300,000	61	0.16	10	6

^{*}Power density limit applicable >100MHz

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General Reference Levels for Local Exposure (ICNIRP 2020):

RF Exposure Evaluation Limits Occupational / Controlled Exposure:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.1-30	1504 / f _{MHz} ^{0.7}	10.8/f _{MHz}		6
30-400	139	0.36	50	6
400-2000	10.58 * f _{MHz} ^{0.43}	0.0274 * f _{MHz} ^{0.43}	0.29 * f _{MHz} ^{0.86}	6
2000-6000			200	6
6000-300,000			275 / f _{GHz} ^{0.177}	6
300,000			100	6

RF Exposure Evaluation Limits General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (W/m²)	Averaging Time (minutes)
0.1-30	671 / f _{MHz} ^{0.7}	4.9 / f _{MHz}		6
30-400	62	0.163	10	6
400-2000	4.72 f _{MHz} ^{0.43}	0.0123 * f _{MHz} ^{0.43}	0.058 * f _{MHz} ^{0.86}	6
2000-6000			40	6
6000-300,000			55 / f _{GHz} ^{0.177}	6
300,000			20	6

Selected Excerpts:

Note 4: For frequencies of 100 kHz to 30 MHz, regardless of the far-field/near-field zone distinctions, compliance is demonstrated if neither peak spatial Electric Field or peak spatial Magnetic Field, over the projected whole-body space, exceeds the above reference level values.

Note 5: For frequencies of >30MHz to 6 GHz: within the far-field zone, compliance is demonstrated if one of peak spatial Incident Power Density, Electric Field or Magnetic Field, over the projected wholebody space, does not exceed the above reference level values (only one is required)

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Appendix B - References

- 1. ACMA Radiocommunications (Electromagnetic Radio Human Exposure) Standard, 2014.
- 2. AS/NZS 2772.2, Radiofrequency fields Principles and method of measurement and computation 3 kHz to 300 GHz, 2011.
- 3. Australian Radiation Protection and Nuclear Safety Agency, ARPANSA RPS S-1, <u>Standard for Limiting Exposure</u> to Radiofrequency Fields 100 kHz to 300 GHz, 2021.
- 4. New Zealand Standard, NZS 2772.1, Radiofrequency Fields Part 1: Maximum Exposure Levels 3 kHz to 300 GHz, 1999
- 5. Federal Communications Commission Knowledge Database (KDB) Publication 447498, "What are the RF exposure requirements and procedures for mobile and portable devices?" As in effect on the issue date of this report.
- 6. Title 47 Code of Federal Regulations, Part 1.1307(b)(3), "Determination of exemption." As in effect on the issue date of this report.
- 7. Title 47 Code of Federal Regulations, Part 1.1310, "Radiofrequency radiation exposure limits." As in effect on the issue date of this report.
- 8. Title 47 Code of Federal Regulations, Part 2.1091, "Radiofrequency radiation exposure evaluation: mobile devices." As in effect on the issue date of this report.
- 9. ANSI C95.1 (2005) <u>IEEE Standard for Safety Level with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3kHz to 300 GHz, 2005.</u>
- 10. Health Canada Safety Code 6 <u>Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the</u> Frequency Range from 3 kHz to 300 GHz, 2015.
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