

Co-Location Calculation of MPE (FCC limits)

Manufacturer	Kontron Canada, Inc.
Product	Wireless Gateway
Model	WPEB-263ACNI(BT)
FCC ID	S3I-WPEB263ACNIBT

Operation mode: LTE 700 group with Wi-Fi 2.4 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
725	0.079201	0.483333	0.163864	0.19139	1.00000	7.18083
2436	0.027525	1.000000	0.027525			

Operation mode: LTE 700 group with Wi-Fi 5 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
725	0.079201	0.483333	0.163864	0.19197	1.00000	7.16775
5500	0.028102	1.000000	0.028102			

Operation mode: LTE 800 group with Wi-Fi 2.4 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
836	0.079201	0.557333	0.142107	0.16963	1.00000	7.70492
2436	0.027525	1.000000	0.027525			

Operation mode: LTE 800 group with Wi-Fi 5 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
836	0.079201	0.557333	0.142107	0.17021	1.00000	7.69017
5500	0.028102	1.000000	0.028102			

Operation mode: LTE 1700 group with Wi-Fi 2.4 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
1710	0.079201	1.000000	0.079201	0.10673	1.00000	9.71730
2436	0.027525	1.000000	0.027525			

Operation mode: LTE 1700 group with Wi-Fi 5 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
1710	0.079201	1.000000	0.079201	0.10730	1.00000	9.69388
5500	0.028102	1.000000	0.028102			

Operation mode: LTE 1900 group with Wi-Fi 2.4 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
1880	0.079201	1.000000	0.079201	0.10673	1.00000	9.71730
2436	0.027525	1.000000	0.027525			

Operation mode: LTE 1900 group with Wi-Fi 5 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
1880	0.079201	1.000000	0.079201	0.10730	1.00000	9.69388
5500	0.028102	1.000000	0.028102			

Operation mode: LTE 2500 group with Wi-Fi 2.4 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
2310	0.075636	1.000000	0.075636	0.10316	1.00000	9.86484
2436	0.027525	1.000000	0.027525			

Operation mode: LTE 2500 group with Wi-Fi 5 GHz

TX Frequency (MHz)	MPE result (mW/cm ²)	MPE Limit (mW)	Ratio	Sum of the ratios	Limit	Margin (dB)
2310	0.075636	1.000000	0.075636	0.10374	1.00000	9.84062
5500	0.028102	1.000000	0.028102			

2. Attestation

ATTESTATION: I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

Signature	
Date	February 1, 2021
Name	Andrey Adelberg, Senior Wireless/EMC Specialist