TRANZEO
EMC LABS INC

RF Exposure Evaluation

FCCID: QRF-NYYON23

2.4 GHz and 5.8 GHz Wireless Network Adapter
Tranzeo Wireless Technologies Inc.

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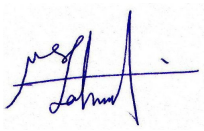
Report No.: 230307.1

Labs: 19473 Fraser Way, Pitt Meadows, BC, Canada V3Y 2V4



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RF Exposure Evaluation

FCC 1.1310 states the criteria listed in the table below shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in Section 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of Section 2.1093 of this chapter. Further information on evaluating compliance with these limits can be found in the FCC's OST/OET Bulletin Number 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation".

Frequency Range (MHZ)	Electric Field Strength (V/m)	Magnetic Field Strength (A/M)	Power Density (mW/cm^2)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	--	--	F/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/Uncontrolled Exposures				
300-1500	--	--	F/1500	6
1500-100,000	--	--	1	30

EUT Operating Condition

The maximum antenna gain is 24 dBi at 2.4 GHz and 32 dBi at 5.8 GHz.

RF exposure evaluation distance calculation

EUT with 24 dBi antenna

Mode OFDM/ Channel BW = 10MHz			
Freq (MHz)	Output Power to Antenna (dBm)	Antenna Gain (dBi)	r (cm)
2412	19.59	24	42.6
2437	20.22	24	45.8
2462	15.28	24	26.1

EUT with 32 dBi antenna

Mode OFDM/ Channel BW = 20MHz			
Freq (MHz)	Output Power to Antenna (dBm)	Antenna Gain (dBi)	r (cm)
5745	16.83	32	73.6
5785	16.22	32	72.8
5825	16.88	32	78.6

As shown above, the minimum distance where the MPE limit is reached is 78.6 cm for the EUT.