

MPE CALCULATION
FCC ID: N6C-SXPCEAN2

RF Exposure Requirements: 47 CFR §1.1307(b)

RF Radiation Exposure Limits: 47 CFR §1.1310

RF Radiation Exposure Guidelines: FCC OST/OET Bulletin Number 65

EUT Frequency Band: 5 GHz 5180- 5320MHz, 5500-5700MHz, 5745-5825MHz
5190-5230MHz, 5270-5310MHz, 5510-5670MHz
5755-5795MHz

Limits for General Population/Uncontrolled Exposure in the band of: 1500 - 100,000 MHz

Power Density Limit: 1 mW / cm²

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where, S = Power Density
P = Power Input to Antenna
G = Antenna Gain
R = distance to the center of radiated antenna

Prediction distance 20cm

PCI Express Half mini card WLAN Module

Type	Ch Freq (MHz)	Conducted Power (dBm)	Tune up Tolerance	Tune up Max Power (dBm)	Antenna Gain (dBi)	Directional Gain (dBi)	Measurement distance (cm)	Calculated MPE (mW/m2)	MPE Limit (mW/m2)	Pass / Fail
5GHz WLAN	5260	16.86	±1 dB	17.86	1.38	4.39	20	0.0265	1	Pass

Note: Different radio do not transmit simultaneously.

The Above Result had shown that the Device complied with MPE requirement.

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