

MPE CALCULATION

FCC ID: DBZM2C

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: 470.100-614.375MHz
Limits for General Population/Uncontrolled Exposure in the band of: 300 - 1500 MHz
Power Density Limit: 0.3134 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

EUT: Active Antenna Combiner, Model No. : M2C

Power = 18.93 dBm, Array Gain + Antenna Gain = 2.15 dBi, Power density = 0.0255 mW/ cm²

Type	CH Freq (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Directional Gain (dBi)	Measurement Distance (cm)	Calculated MPE (mW/cm ²)	MPE Limit (mW/cm ²)	Pass/Fail
UHF	470.1	18.93	2.15	2.15	20	0.0255	0.3134	Pass

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

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Date: 09/25/2018