



Certification Exhibit

FCC ID: 2AQ4D-5066500

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 72160507

Manufacturer: Frymaster, LLC
Model: WG7833-B0

RF Exposure

TÜV SÜD America
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General Information:

Applicant: Frymaster, LLC
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:**Table 1: Technical Information**

	Mode		
	BLE	2.4 GHz Wi-Fi	5 GHz Wi-Fi
Antenna Type	PCB	PCB	PCB
Antenna Gain (dBi)	4.13	4.13	4.59
Conducted Power (dBm)	2.67	10.21	16.29
Conducted Power (mW)	1.85	10.5	42.56
Maximum EIRP (dBm)	6.8	14.34	20.88
Maximum EIRP (mW)	4.79	27.16	122.46

Exposure Conditions: 20 centimeters or greater

MPE Calculation

The Power Density (mW/cm²) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Table 2: MPE Calculation

Mode	Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/Cm2)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm^2)
BLE	2480	2.67	1.00	1.85	4.13	2.588	20	0.001
2.4 GHz Wi-Fi	2462	10.21	1.00	10.50	4.13	2.588	20	0.005
5 GHz Wi-Fi	5825	16.29	1.00	42.56	4.59	2.877	20	0.024