

IC Exposure Exemption Calculations

| Band of Operation | | Conducted Power, dBm | |
|-------------------|-----------|----------------------|-----|
| Type | MHz | dBm | mW |
| WiFi | 2412-2462 | 20.7 | 117 |
| WiFi | 2422-2452 | 15.05 | 32 |
| WiFi | 5180-5240 | 15.05 | 32 |
| WiFi | 5190-5230 | 14.77 | 30 |
| WiFi | 5260-5320 | 14.47 | 28 |
| WiFi | 5270-5310 | 14.62 | 29 |
| WiFi | 5500-5700 | 15.19 | 33 |
| WiFi | 5510-5670 | 15.31 | 34 |
| WiFi | 5745-5825 | 15.56 | 36 |
| WiFi | 5755-5795 | 20.79 | 120 |

| Antenna Gain |
|--------------|
| 2.7 |
| 2.7 |
| 2.3 |
| 3.6 |
| 3.6 |
| 3.6 |
| 3.6 |
| 3.6 |
| 3.6 |
| 4.6 |
| 4.6 |

| Cable Loss |
|------------|
| 2.8 |
| 2.8 |
| 2.3 |
| 1.8 |
| 1.1 |
| 1.0 |
| 3.2 |
| 2.5 |
| 3.8 |
| 3.0 |

| Band of Operation | Peak Radiated Power, dBm | | Average EIRP (100% duty cycle) | Distance (R) | Power Density $EIRP_{Avg}/(4\pi R^2)$ | IC Limit | Verdict | Verdict |
|-------------------|--------------------------|-----|-----------------------------------|--------------|--|----------|---------|---------|
| | dBm | mW | mW | cm | mW | W | | |
| ISM 2.4 G | 20.6 | 115 | 115 | 20 | 0.02279 | 5.00 | Pass | Pass |
| ISM 2.4 G | 15.0 | 31 | 31 | 20 | 0.00623 | 5.00 | Pass | Pass |
| ISM 5GHz | 15.1 | 32 | 32 | 20 | 0.00636 | 5.00 | Pass | Pass |
| U-NII | 16.6 | 45 | 45 | 20 | 0.00901 | 5.00 | Pass | Pass |
| U-NII | 17.0 | 50 | 50 | 20 | 0.00995 | 5.00 | Pass | Pass |
| U-NII | 17.2 | 53 | 53 | 20 | 0.01051 | 5.00 | Pass | Pass |
| U-NII | 15.6 | 36 | 36 | 20 | 0.00726 | 5.00 | Pass | Pass |
| U-NII | 16.4 | 44 | 44 | 20 | 0.00876 | 5.00 | Pass | Pass |
| DTS 5 GHz | 16.4 | 43 | 43 | 20 | 0.00860 | 5.00 | Pass | Pass |
| DTS 5 GHz | 22.4 | 173 | 173 | 20 | 0.03449 | 5.00 | Pass | Pass |