

## FCC RF Exposure

FCC ID: APISB350C

Frequency: 2402-2480 MHz (79 Ch)

Modulation: FHSS (79 Ch: GFSK,  $\pi/4$ -DQPSK, 8DPSK)

Mid-Channel or highest-measured Peak Power, Conducted: 5.91 dBm = 3.90 mW

Antenna Gain: G = 3.04 dBi

Peak, Radiated = 5.91 dBm + 3.04 dBi = 8.95 dBm = 7.85 mW

SAR Test Exclusion Thresholds specified in KDB447498 Appendix A:

| MHz  | 5  | 10 | 15  | 20  | 25  | mm                                      |
|------|----|----|-----|-----|-----|---|
| 150  | 39 | 77 | 116 | 155 | 194 | SAR Test<br>Exclusion<br>Threshold (mW) |
| 300  | 27 | 55 | 82  | 110 | 137 |   |
| 450  | 22 | 45 | 67  | 89  | 112 |   |
| 835  | 16 | 33 | 49  | 66  | 82  |   |
| 900  | 16 | 32 | 47  | 63  | 79  |   |
| 1500 | 12 | 24 | 37  | 49  | 61  |   |
| 1900 | 11 | 22 | 33  | 44  | 54  |   |
| 2450 | 10 | 19 | 29  | 38  | 48  |   |
| 3600 | 8  | 16 | 24  | 32  | 40  |   |
| 5200 | 7  | 13 | 20  | 26  | 33  |   |
| 5400 | 6  | 13 | 19  | 26  | 32  |   |
| 5800 | 6  | 12 | 19  | 25  | 31  |   |

  

| MHz  | 30  | 35  | 40  | 45  | 50  | mm                                      |
|------|-----|-----|-----|-----|-----|---|
| 150  | 232 | 271 | 310 | 349 | 387 | SAR Test<br>Exclusion<br>Threshold (mW) |
| 300  | 164 | 192 | 219 | 246 | 274 |   |
| 450  | 134 | 157 | 179 | 201 | 224 |   |
| 835  | 98  | 115 | 131 | 148 | 164 |   |
| 900  | 95  | 111 | 126 | 142 | 158 |   |
| 1500 | 73  | 86  | 98  | 110 | 122 |   |
| 1900 | 65  | 76  | 87  | 98  | 109 |   |
| 2450 | 57  | 67  | 77  | 86  | 96  |   |
| 3600 | 47  | 55  | 63  | 71  | 79  |   |
| 5200 | 39  | 46  | 53  | 59  | 66  |   |
| 5400 | 39  | 45  | 52  | 58  | 65  |   |
| 5800 | 37  | 44  | 50  | 56  | 62  |   |

### Evaluation:

The Calculated Radiated Peak output power is taken as worst case, and this emission level appears to be under the maximum allowed emission level at even the closest distance for 2.4G device specified in this table.

### Conclusion:

The emitted power appears to be (far) below the required limit, so PASS.