



Registration number: W6M21909-19394-C-1

FCC ID: WXAAUR720

3.2 Equivalent isotropic radiated power (EIRP)

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

UHF (902.75-927.25 MHz)

EIRP = 10.28 dBm+ (-0.44 dBi [antenna gain claimed by manufacturer]) = 9.84 dBm = 9.6383 mW

BLE (2402-2480 MHz)

EIRP = 4.38 dBm+ (1.3 dBi [antenna gain claimed by manufacturer]) = 5.68 dBm = 3.6983 mW

BLE (2405-2480 MHz)

EIRP = 4.41 dBm+ (1.3 dBi [antenna gain claimed by manufacturer]) = 5.71 dBm = 3.7239 mW

3.3 Exemption Limits for Routine Evaluation according to FCC KDB Publication

RESULT:

Test standard : FCC KDB Publication
447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table .

Table: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance

UHF

MHz	5	10	15	20	25	mm
927.25	15.82	31.64	46.55	62.36	78.18	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
927.25	94	109.86	124.73	140.55	156.37	SAR Test Exclusion Threshold (mW)

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.



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Established separation distance is 5 mm.

Operating frequency band (UHF): 902.75-927.25 MHz

Max. output power level at 5 mm separation distance at 927.25 MHz
according to table is: 15.82 mW

The product is exempt from SAR Evaluation/Testing because the output power of 9.6383 mW is below the exemption limit of 15.82 mW.

BLE

MHz	5	10	15	20	25	mm
2480	9.95	18.92	28.87	37.84	47.79	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
2480	56.74	66.69	76.63	85.61	95.56	SAR Test Exclusion Threshold (mW)

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Operating frequency band (BLE): 2402-2480 MHz, 2405-2480 MHz

Max. output power level at 5 mm separation distance at 2480 MHz
according to table is: 9.95 mW

The product is exempt from SAR Evaluation/Testing because the output power of 3.7239 mW is below the exemption limit of 9.95 mW.

Note: UHF and BLE can't operate simultaneously.