



Registration number: W6M21912-19558-C-1

FCC ID: WCO-SG101

3.2 Equivalent Isotropic Radiated Power (EIRP)

FCC Rule: 15.247(b)(3)

BT4.0

EIRP = max. conducted output power + antenna gain

EIRP = 3.78 dBm + (2.71 dBi [antenna gain claimed by manufacturer]) = 6.49 dBm = 4.4566 mW

BT5.0

EIRP = max. conducted output power + antenna gain

EIRP = 3.91 dBm + (2.71 dBi [antenna gain claimed by manufacturer]) = 6.62 dBm = 4.5920 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.

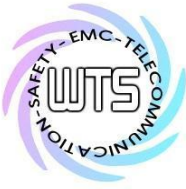
3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

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

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)



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Established separation distance is 5 mm.

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

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 4.5920 mW is below the exemption limit of 9.95 mW.