



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22106-20997-C-1

FCC ID: 2ANCG-ATA10001

3.2 Equivalent Isotropic Radiated Power (EIRP)

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

WLAN

EIRP = 10.25 dBm + 0.51 dBi [antenna gain claimed by manufacturer] = 10.76 dBm = 11.9124 mW
BT

EIRP = 1.46 dBm + 0.69 dBi [antenna gain claimed by manufacturer] = 2.15 dBm = 1.6406 mW

BLE

EIRP = -6.68 dBm + 0.69 dBi [antenna gain claimed by manufacturer] = -5.99 dBm = 0.2518 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

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
2462	24.95	47.43	72.37	94.85	119.8	SAR Test Exclusion Threshold (mW)
2480	24.88	47.3	72.18	94.6	119.48	

MHz	30	35	40	45	50	mm
2462	142.25	217.5	192.13	214.6	239.55	SAR Test Exclusion Threshold (mW)
2480	141.85	166.73	191.58	214.03	238.9	

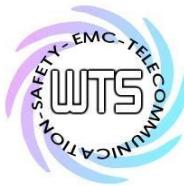
10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

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.

Established separation distance is 10 mm.

Operating frequency band: 2412-2462, 2422-2452 MHz (WLAN)

Max. output power level at 10 mm separation distance at 2462 MHz according to table is: 47.43 mW
The product is exempt from SAR Evaluation/Testing because the output power of 11.9124 mW is below the exemption limit of 47.43 mW.



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Operating frequency band: 2402-2480 MHz (BT)

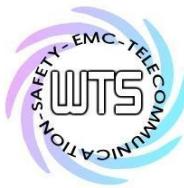
Max. output power level at 10 mm separation distance at 2480 MHz according to table is: 47.3 mW

The product is exempt from SAR Evaluation/Testing because the output power of 1.6406 mW is below the exemption limit of 47.3 mW.

Operating frequency band: 2402-2480 MHz (BLE)

Max. output power level at 10 mm separation distance at 2480 MHz according to table is: 47.3 mW

The product is exempt from SAR Evaluation/Testing because the output power of 0.2518 mW is below the exemption limit of 47.3 mW.



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3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.

This function will be declared by manufacturer.

3.7 Reserved, FCC 15.407 (d)

3.8 Indoor Operation Restriction, FCC 15.407 (e)

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

3.9 Equivalent Isotropic Radiated Power (EIRP), FCC 15.407 (f)

Band 1

EIRP = max. conducted output power + antenna gain

EIRP = 9.64 dBm + 1.24 dBi [antenna gain claimed by manufacturer] = 10.88 dBm = 12.2462 mW

Test equipment used: ETSTW-RE 055

3.10 Exemption Limits for Routine Evaluation according to FCC KDB Publication

RESULT:

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

3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

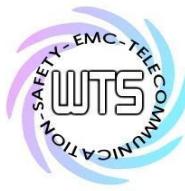
SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified 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
5220	17.25	32.5	49.75	65	82.25	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
5220	97.5	114.75	132.25	147.25	164.75	SAR Test Exclusion Threshold (mW)

10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.



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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.

Established separation distance is 10 mm.

Operating frequency band: 5180-5240 MHz

Max. output power level at 10 mm separation distance at 5220 MHz according to table is: 32.5 mW

The product is exempt from SAR Evaluation/Testing because the output power of 12.2462 mW is below the exemption limit of 32.5 mW.

