RF Exposure Compliance Requirement (BT)

FCC ID:2ATPR-INVUE-MS1002

The product belongs to **standalone portable device** base the FCC rule part 2.1091&2.1093. The transmission frequencies of the device are between 100 MHz and 6 GHz.

The SAR Test Exclusion Threshold for 100 MHz to 6 GHz is calculated from:

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances

≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

[√ f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation *distance is* < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

The Max Conducted Output Power and SAR Test Exclusion Threshold (mW) are listed below:

Transmit frequency (GHz)	Max Conducted Output Power (dBm)	Max Conducted Output Power (mW)	SAR Test Exclusion Threshold (mW)
2.402	-3.15	0.48	9.68
2.440	-3.40	0.46	9.62
2.480	-4.16	0.38	9.52

SAR Test Exclusion Threshold (mW) = 3.0 x (min. test separation distance, 5mm) / [√ f(GHz)]

According to SAR Exclusion Threshold in KDB 447498 (D01) General RF Exposure Guidance v06, the SAR report is not required.

RF Exposure Compliance Requirement (WiFi)

FCC ID:2ATPR-INVUE-MS1002

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] •[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison Worse

case is as below: [2462MHz 8.82dBm（7.6mW） output power]

(7.6mW /5mm) •[√2.462(GHz)]= 2.38 <3.0 for 1-g SAR

Then SAR evaluation is not required

Measurement Result

Modulation	Maximum Peak Output Power (dBm)		
	Low Channel	Middle Channel	High Channel
802.11b	8.48	8.59	8.82
802.11g	7.12	7.41	7.88
802.11n-HT20	7.43	7.76	7.82
802.11n-HT40	7.33	7.75	7.63

BT LE and WIFI could not transmit simultaneously, so no need to evaluate RF exposure in this mode;