FCC ID : PT7-P102

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.
According to KDB 447498 (2)(a)(i)

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mW)
Low Frequency (MHz)	High Frequency(MHz)		
2412	2462	2462	24.4

Maximum measured transmitter power

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mW)
9.02	2.0	14.2516

Remark: The best case gain of the antenna is 2.0dBi.
   2.5dBi logarithmic terms convert to numeric result is nearly 1.58
   According to the formula. calculate the EIRP test result:
   EIRP= P x G =9.02 x 1.58 = 14.2516

Threshold at which no SAR required is 24.4mW.
Maximum TX power is 14.2516mw.
Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A

Wifi Mode (802.11N40)

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.
According to KDB 447498 (2)(a)(i)

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mW)
Low Frequency (MHz)	High Frequency(MHz)		
2422	2452	2422	24.8

Maximum measured transmitter power

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mW)
7.60	2.0	12.008

Remark: The best case gain of the antenna is 2.0dBi.
2.5dBi logarithmic terms convert to numeric result is nearly 1.58
According to the formula. calculate the EIRP test result:
EIRP= P x G =7.60 x 1.78 = 12.008

Threshold at which no SAR required is 24.8mW.
Maximum TX power is 12.008mw.
Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A