FCC ID : IBAPMT-ZZ0030

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)

Bluetooth Mode:

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2402	2480	2441	24.5

Maximum measured transmitter power (Bluetooth Mode)

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
0.766	0	0.766

Remark: The best case gain of the antenna is 0dBi.
       0dBi logarithmic terms convert to numeric result is nearly 1
       According to the formula. calculate the EIRP test result:
EIRP= P x G = 0.766mW x 1 = 0.766mW

Wi-Fi Mode(n20):

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2412	2462	2412	24.8

Maximum measured transmitter power (Wi-Fi Mode)

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
12.45	0	12.45

Remark: The best case gain of the antenna is 0dBi.
       0dBi logarithmic terms convert to numeric result is nearly 1
       According to the formula. calculate the EIRP test result:
EIRP= P x G = 12.45mW x 1 = 12.45mW

Wi-Fi Mode(n40):

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2422	2452	2422	24.7

Maximum measured transmitter power (Wi-Fi Mode)

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
11.67	0	11.67

Remark: The best case gain of the antenna is 0dBi.
       0dBi logarithmic terms convert to numeric result is nearly 1
       According to the formula. calculate the EIRP test result:
EIRP= P x G = 11.67mW x 1 = 11.67mW

Both Bluetooth and Wi-Fi Mode:

Frequency Range		Maximum measured transmitter power frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2402	2480	2412	24.8

Maximum measured transmitter power (Both Bluetooth and Wi-Fi Mode)

Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
13.04	0	13.04

Remark: The best case gain of the antenna is 0dBi.
       0dBi logarithmic terms convert to numeric result is nearly 1
       According to the formula. calculate the EIRP test result:
       EIRP= P x G = 13.04mW x 1 = 13.04mW

Threshold at which no SAR required is 24.8mw.
Maximum Tx power is 13.04mw EIRP.
Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A