

FCC ID : ZD6PHECDA-P13

Wi-Fi & Bluetooth (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		Center frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2412	2462	2437	25
2422	2452	2437	25
2402	2480	2441	25

For 802.11b & BT-Maximum measured transmitter power:

Wi-Fi_Conducted Power (mw)	BT_Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
23.2	1.5038	0	24.7038

Remark: $EIRP = P * G = 24.7038 * 1 = 24.7038 \text{ mW}$

Threshold at which no SAR required is 25 mw.

Maximum total Tx power is 24.7038 mw EIRP.

Conclusion: No SAR is required.

For 802.11g & BT-Maximum measured transmitter power:

Wi-Fi_Conducted Power (mw)	BT_Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
19.3	1.5038	0	20.8038

Remark: $EIRP = P * G = 20.8038 * 1 = 20.8038 \text{ mW}$

Threshold at which no SAR required is 25 mw.

Maximum total Tx power is 20.8038 mw EIRP.

Conclusion: No SAR is required.

For 802.11n/HT20 & BT-Maximum measured transmitter power:

Wi-Fi_Conducted Power (mw)	BT_Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
14.5	1.5038	0	16.0038

Remark: $EIRP = P * G = 16.0038 * 1 = 16.0038 \text{ mW}$

Threshold at which no SAR required is 25 mw.

Maximum total Tx power is 16.0038 mw EIRP.

Conclusion: No SAR is required.

For 802.11n/HT40 & BT-Maximum measured transmitter power:

Wi-Fi_Conducted Power (mw)	BT_Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
14.6	1.5038	0	16.1038

Remark: $EIRP = P * G = 16.1038 * 1 = 16.1038 \text{ mW}$

Threshold at which no SAR required is 25 mw.

Maximum total Tx power is 16.1038 mw EIRP.

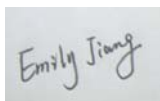
Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

Wish

N/A

Signature



/ Engineer