

8. RF Exposure Report

8.1. Limit

According to §15.247(i), 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 levels in excess of the Commission's guidelines. See KDB 447498 D01 General RF Exposure Guidance V05.

8.2. EUT Specification

Frequency Bands	Max. EIRP (mW)
2.412~2.462GHz Band	9.0
5.180~5.240GHz Band	6.8
5.745~5.825GHz Band	5.8

For 2.4GHz Band:

Maximum measured transmitter power: 802.11b / port.1

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.53	4.0	5.66	10mW

Maximum measured transmitter power: 802.11g / port.1

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
4.19	4.0	6.59	10mW

Maximum measured transmitter power: 802.11n HT20 / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
4.39	4.0	6.90	10mW

Maximum measured transmitter power: 802.11n HT40 / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.53	4.0	5.66	10mW

For 5GHz Band (5180-5240MHz):

Maximum measured transmitter power: 802.11n HT20 / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.93	4.0	6.21	7mW

Maximum measured transmitter power: 802.11n HT40 / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.81	4.0	6.04	7mW

Maximum measured transmitter power: 802.11a / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.25	4.0	5.31	7mW

For 5GHz Band (5745-5825MHz):

Maximum measured transmitter power: 802.11n HT20 / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.41	4.0	5.51	6mW

Maximum measured transmitter power: 802.11n HT40 / port.1+port.2

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.44	4.0	5.55	6mW

Maximum measured transmitter power: 802.11a / port.1

AV Conducted Power (dBm)	Max. Antenna Gain (dBi)	Max. EIRP (mw)	SAR Limitation
3.41	4.0	5.51	6mW

8.3. Test Results

Threshold at which no SAR required

Maximum Tx Output power for 2.4GHz Band(2.412-2.462GHz) is 6.90mW EIRP.

Maximum Tx Output power for 5GHz Band(5.180-5.240GHz) is 6.21mW EIRP.

Maximum Tx Output power for 5GHz Band(5.745-5.825GHz) is 5.55mW EIRP.

Conclusion: No SAR is required.