

RF Exposure Compliance (Exclusion)

Concerning FCC ID: YZF-A101201

EUT is a tabled PC and due to its intended use, it is considered a “portable” device. Calculations show that the device is categorically excluded from Routine Evaluation. The limits for Routine Evaluation are shown in the table below:

Exposure category	low threshold	high threshold
general population	(60/fGHz) mW, $d < 2.5$ cm (120/fGHz) mW, $d \geq 2.5$ cm	(900/fGHz) mW, $d < 20$ cm
occupational	(375/fGHz) mW, $d < 2.5$ cm (900/fGHz) mW, $d \geq 2.5$ cm	(2250/fGHz) mW, $d < 20$ cm

The measured Peak Output Power, including the antenna gain, appears to result in emissions staying below the 60/f(GHz) limit, above which evaluation is required for the general population. Therefore, this device is deemed to comply with the exposure limits for uncontrolled use, without restrictions using the device:

802.11b mode:

Channel No.	Frequency (MHz)	Measurement (dBm)	Ant. Gain (dBi)	Total emission (mW)	Limit: 60/f(GHz) (mW)	Verdict
01	2412	12.46	1.0	22.18	24.88	PASS
06	2437	12.34	1.0	21.58	24.62	PASS
11	2462	12.06	1.0	20.23	24.37	PASS

802.11g mode:

Channel No.	Frequency (MHz)	Measurement (dBm)	Ant. Gain (dBi)	Total emission (mW)	Limit: 60/f(GHz) (mW)	Verdict
01	2412	12.95	1.0	24.83	24.88	PASS
06	2437	12.46	1.0	22.18	24.62	PASS
11	2462	12.55	1.0	22.65	24.37	PASS

802.11n (20MHz) mode:

Channel No.	Frequency (MHz)	Measurement (dBm)	Ant. Gain (dBi)	Total emission (mW)	Limit: 60/f(GHz) (mW)	Verdict
01	2412	12.26	1.0	21.18	24.88	PASS
06	2437	12.09	1.0	20.37	24.62	PASS
11	2462	12.62	1.0	23.01	24.37	PASS

802.11n (40MHz) mode:

Channel No.	Frequency (MHz)	Measurement (dBm)	Ant. Gain (dBi)	Total emission (mW)	Limit: 60/f(GHz) (mW)	Verdict
03	2422	12.01	1.0	20.00	24.77	PASS
06	2437	12.17	1.0	20.75	24.62	PASS
09	2452	12.37	1.0	21.73	24.47	PASS