

RF exposure

FCC ID : 2BCF6-IHP-W01AU

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,

Where;

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Results

Mode	Frequency (GHz)	Distance (mm)	Max tune-up power (dBm)		Calculation value	Exclusion Threshold
			(dBm)	(mW)		
LE	2 402	5	7	5.01	1.55	≤ 3.0
	2 442		7	5.01	1.57	
	2 480		7	5.01	1.58	
802.11b	2 412		9	7.94	2.47	
	2 437		9	7.94	2.48	
	2 462		9	7.94	2.49	
802.11g	2 412		9	7.94	2.47	
	2 437		9	7.94	2.48	
	2 462		9	7.94	2.49	
802.11n_HT20	2 412		9	7.94	2.47	
	2 437		9	7.94	2.48	
	2 462		9	7.94	2.49	
802.11n_HT40	2 422		9	7.94	2.47	
	2 437		9	7.94	2.48	
	2 452		9	7.94	2.49	

Note.

1. This IHP-W01AU model's BLE and WLAN cannot transmission simultaneously.

Tune-up

LE 1Mbps			
Frequency range and channel		2 402 MHz ~ 2 480 MHz : 40 ch	
Tune-up Average Power	2 402 MHz	6.0 dBm (± 1.00 dB)	Max. : 7.00 dBm
	2 442 MHz	6.0 dBm (± 1.00 dB)	Max. : 7.00 dBm
	2 480 MHz	6.0 dBm (± 1.00 dB)	Max. : 7.00 dBm
802.11b			
Frequency range and channel		2 412 MHz ~ 2 462 MHz : 11 ch	
Tune-up Average Power	2 412 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 437 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 462 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
802.11g			
Frequency range and channel		2 412 MHz ~ 2 462 MHz : 11 ch	
Tune-up Average Power	2 412 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 437 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 462 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
802.11n_HT20			
Frequency range and channel		2 412 MHz ~ 2 462 MHz : 11 ch	
Tune-up Average Power	2 412 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 437 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 462 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
802.11n_HT40			
Frequency range and channel		2 422 MHz ~ 2 452 MHz : 7 ch	
Tune-up Average Power	2 422 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 437 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm
	2 452 MHz	8.5 dBm (± 0.50 dB)	Max. : 9.00 dBm