

CC3100/CC3200/CC3100MOD/CC3200MOD Certification Information

Type of Equipment	Wideband Other than FHSS
Adaptive Equipment	Yes
Operating Mode	Single Antenna Equipment Equipment with only 1 antenna
Modulation Types	DSSS, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM
Nominal Output Power	18 dBm (CC3100/CC3200 QFN) 17 dBm (CC3100MOD/CC3200MOD)
Nominal 99% Bandwidth	20 Mhz
Operating Frequency Range(s)	2.412 – 2.472 GHz
Occupied Channel Bandwidth(s)	20 MHz
Maximum Duty Cycle (in actual use)	Host dependent
Maximum Number of channels	13
Channel Separation	5 MHz
Number of Antennas	1
Antenna Diversity	No
Integral Antenna	Yes
Smart Antenna systems	No
Reduced output power on any channels	Yes, Channel 1 and 11 have reduced output power
Adaptive / non-adaptive equipment	Adaptive Equipment which can also operate in a non-adaptive mode
Channel Occupancy Time implemented by the equipment	11.8 ms
LBT based Detect and Avoid mechanism	Yes
Non-LBT based Detect and Avoid mechanism	No
Frame Based Equipment	No
Load Based Equipment	Yes
Can the equipment switch dynamically between Frame Based and Load Based	No
CCA time implemented by the equipment	9 μ s
The value q as referred to in clause 4.3.2.5.2.2.2	32
Can operate in more than one Adaptive Mode	No
Antenna Type	Integral
Antenna Gain	1.9 dBi (using reference antenna)
Supported WLAN Operating Modes	802.11b, 802.11g, 802.11n
40 MHz mode supported	No