



Declaration letter operation mode

FCC ID: NCI-IVT01

For Bluetooth BLE

Item	EUT information
Operating Frequency	2402 MHz ~ 2480 MHz
Channel Spacing	2 MHz
Channel Number	40
Data Rate	1Mbps
Operation Voltage	12Vdc
Modulation	GFSK
Maximum Output Power (mW)	0.7

For Bluetooth BT

Item	EUT information
Operating Frequency	2402 MHz ~ 2480 MHz
Channel Spacing	1 MHz
Channel Number	79
Operation Voltage	12Vdc
Modulation	GFSK, $\pi/4$ -DQPSK, 8DPSK
Maximum Output Power (mW)	4.14

For WiFi 2.4G

Item	EUT information
Operating Frequency	2412 MHz ~ 2462 MHz
Channel Spacing	5 MHz
Channel Number	802.11b/g/ac HT20: 11 802.11ac VHT40: 7
Data Rate	802.11b: 11.0 / 5.5 / 2.0 / 1.0 Mbps 802.11g: 54.0 / 48.0 / 36.0 / 24.0 / 18.0 / 12.0 / 9.0 / 6.0 Mbps 802.11n: up to MCS7
Operation Voltage	12Vdc
Modulation	DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) OFDMA (1024QAM)
Maximum Output Power (mW)	802.11b: 92.91
	802.11g: 330.56
	802.11n HT20: 283.52
	802.11n HT40: 284.83
	802.11ac VHT20: 287.79 802.11ac VHT40: 289.46



For WiFi 5G

Item	EUT information
Operating Frequency	Band 1: 5180 MHz ~ 5240 MHz Band 4: 5745 MHz ~ 5825 MHz
Channel Number	Band 1: 4 for 802.11a, 802.11n HT20, 802.11ac VHT20 2 for 802.11n HT40, 802.11ac VHT40 1 for 802.11ac VHT80 Band 4: 5 for 802.11a, 802.11n HT20, 802.11ac VHT20 2 for 802.11n HT40, 802.11ac VHT40 1 for 802.11ac VHT80
Data Rate	802.11a: 54.0 / 48.0 / 36.0 / 24.0 / 18.0 / 12.0 / 9.0 / 6.0 Mbps 802.11n: up to MCS7 802.11ac: up to MCS9
Operation Voltage	12Vdc
Modulation	802.11a, 802.11n HT20, 802.11n HT40: OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ac VHT20, 802.11ac VHT40, 802.11ac VHT80: OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Maximum Output Power (mW)	5180 ~ 5240 MHz: 98.91 5745 ~ 5825 MHz: 99.59

WiFi 5G Channel Frequency

Band	Channel	Frequency (MHz)	802.11a 802.11n HT20 802.11ac VHT20	802.11n HT40 802.11ac VHT40	802.11ac VHT80
U-NII-1 (Band 1)	36	5180	✓		
	38	5190		✓	
	40	5200	✓		
	42	5210			✓
	44	5220	✓		
	46	5230		✓	
	48	5240	✓		
U-NII-3 (Band 4)	149	5745	✓		
	151	5755		✓	
	153	5765	✓		
	155	5775			✓
	157	5785	✓		
	159	5795		✓	
	161	5805	✓		
165	5825	✓			

Mirror Hu

(Grantee Contact's Signature)
Mirror Hu/ Engineer