

# Operational Description

FCC ID : PY313200228

IC : 4054A-13200228

The device is an 802.11 ac USB WiFi Adapter which operates at 2.4 and 5GHz band. It supports 802.11 a / b /g / HT20 / HT40 / VHT 20 / VHT40 / VHT 80 without 80+80 MHz mode. This device is not capable of transmitting simultaneously in more than one Part 15 band between 5 and 6 GHz and therefore not subject to the PBA as defined in KDB 644545. RF main chip is RT8811AU

RF main chip	RTL8811AU
Oscillating frequency	40 MHz
Antenna type	PIFA
Operating frequency range	2412~2462 MHz 5180~5240 MHz 5260~5320 MHz 5500~5700 MHz 5745~5825 MHz
Modulation type	DBPSK, DQPSK, CCK BPSK, QPSK, 16QAM, 64QAM, 256QAM
Working voltage	5Vdc

Channel frequency of 2.4GHz band

Mode	Channel	Frequency (MHz)
11b/g/HT20	1	2412
	2	2417
	3	2422
	4	2427
	5	2432
	6	2437
	7	2442
	8	2447
	9	2452
	10	2457
	11	2462

Mode	Channel	Frequency (MHz)
HT40	3	2422
	4	2427
	5	2432
	6	2437
	7	2442
	8	2447
	9	2452

# Operational Description

Channel frequency of 5GHz band

Mode	Channel	Frequency (MHz)
11a HT20 VHT20	36	5180
	40	5200
	44	5220
	48	5240
	52	5260
	56	5280
	60	5300
	64	5320
	100	5500
	104	5520
	108	5540
	112	5560
	116	5580
	132	5660
	136	5680
	140	5700
	149	5745
	153	5765
157	5785	
161	5805	
165	5825	

Mode	Channel	Frequency (MHz)
HT40 VHT40	38	5190
	46	5230
	54	5270
	62	5310
	102	5510
	110	5550
	134	5670
	151	5755
	159	5795

Mode	Channel	Frequency (MHz)
VHT80	42	5210
	58	5290
	106	5530
	155	5775