How to Check the WiFi interference at your Premises and Produce a Report for NCF

- 1. Download, Install and Run <u>Acrylic WiFi Home</u>.
- 2. From the Menu [≡] at the top right corner of the window and turn on the [Advanced Mode]

Pro	, t	g+ ¥	in			
RSSI	Chan	802.11	Max Speed W	EP WPA	WPA2	Wi-Fi Ralink RT5390R 802.11bgn 🔸
-61 🔐	6	b, g, n	144.4 Mbps		PSK-(TKIP CCMP)	Advanced Mode 🛛 🤇 On 📰
-77 _{•ff}]	11	b, g, n	450 Mbps Oper			
-77 _{•ff}]	11	b, g, n	450 Mbps	PSK-(TKIP CCMP)	PSK-(TKIP CCMP)	Inventory
-75 🚛	6	b, g, n	216.7 Mbps		PSK-CCMP	
-41 1	1	b, g, n	144.4 Mbps		PSK-CCMP	Feedback Updates About
-70 🔐	1	b, g, n	216.7 Mbps		PSK-CCMP	
-39 <u>ail</u>	1	b, g, n	144.4 Mbps		PSK-CCMP	Configure ? EXIT
-79 eff	11	b, g, n	216.7 Mbps		PSK-CCMP	1.0 Sagemeon broadband 2 15.07.55 now
Q1	1117	han	300 Mbpc		DCK COMD	Hitron Technologies, Inc. 15:07:33, now

3. Look for your network in the [SSID] list and select it by clicking on it.

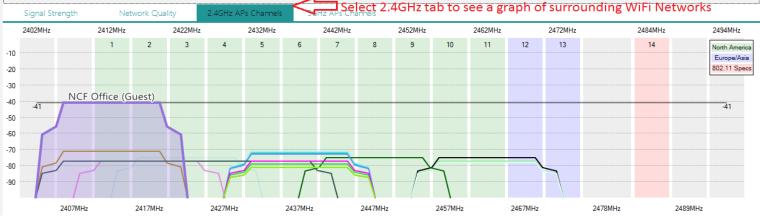
Acrylic Wi-Fi Home *GO Pro* fg+ ♥ in

SSID	MAC Address	RSSI	Chan	802.11	Max Speed
BELL302	4C:17:EB:D6:E3:25	-79 _{•11}	1	b, g, n	450 Mbps
BELL501	68:15:90:43:57:32	-75 🔐	1	b, g, n	450 Mbps
[Hidden]	BC:14:01:DE:CE:59	-81 📶	1+5	b, g, n	300 Mbps
BELL933	68:15:90:3F:C1:6A	-81 📶	1+5	b, g, n	450 Mbps
BELL952	A0:1B:29:DE:3C:9C	-81 📶	1	b, g, n	216.7 Mbps
Pierre	C8:91:F9:BE:DA:DE	-72 🔐	1	b, g, n	216.7 Mbps
BEI 1942	F0:82:61:40:53:5E	-77 📶	1	b, g, n	216.7 Mbps
NCF Office (Guest)	62:F2:00:96:9A:79	-41 . [b, g, n	144.4 Mbps
NCF Office (Secure)	F4:F2:60:96:9A:78	-41 📶	1	b, g, n	144.4 Mbps
BELL343	40:F2:01:E5:2C:41	-77 📶	1	b, g, n	216.7 Mbps
Chloe\&MJ	BC:14:01:DE:CE:58	-79 📶	1+5	b, g, n	300 Mbps
Rogers15150	84:94:8C:C4:19:C8	-77 📶	2	b, g, n	450 Mbps
dlink-CBE5	C0:A0:BB:E6:CB:E5	-77 📶	3	b, g, n	300 Mbps
Ritika	64:66:B3:3F:4C:9E	-81 📶	5+9	b, g, n	300 Mbps
BELL973	68:15:90:38:B3:EE	-79 <u>.</u> [[]	6	b, g, n	216.7 Mbps
BELL216	40:F2:01:EB:8F:5B	-77 📶	6	b, g, n	216.7 Mbps
Aardvaark@dianne	64:66:B3:34:83:D4	-79 <u>"</u> [[]	6+10	b, g, n	150 Mbps
[Hidden]	68:B6:FC:CE:8A:49	-81 📶	6	b, g, n	300 Mbps
Kitkatz	68:B6:FC:CE:8A:48	-79 <u>.</u> [[]	6	b, g, n	300 Mbps
1285RichmondRd	00:18:E7:8C:FD:5F	-81 📶	6	b, g	54 Mbps
BELL725	54:64:D9:F5:E3:B8	-83 📶	6	b, g, n	216.7 Mbps
BELL476	00:1E:C7:FA:39:B1	-79 📶	6	b, g	54 Mbps

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4. Click the [Chan] List to sort the WiFi networks by Channel Click on the [2.4Ghz APs Channels] Tab at the bottom

 Acrylic Wi- 	Fi Home GO	Pro	f_8+	in	-						
SSID	MAC Address	RSSI	Chan	• 802.11	Max Speed	WEP	WPA	WPA2	WPS	Vendor	First
BELL501	68:15:90:43:57:32	-79 📶	1	b, g, n	450 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:08:22
BELL952	A0:1B:29:DE:3C:9C	-77 eff	1	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:10:47
BELL302	4C:17:EB:D6:E3:25	-77 mil	1	b, g, n	450 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:09:01
BELL933	68:15:90:3F:C1:6A	-77 Juli	1+5	b, g, n	450 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:08:12
[Hidden]	BC:14:01:DE:CE:59	-81 Juli	1+5	b, g, n	300 Mbps			PSK-CCMP		Hitron Technologies	s. Inc 15:10:57
NCF Office (Secure)	F4:F2:6D:96:9A:78	-41	1	b, g, n	144.4 Mbps			PSK-CCMP		TP-LINK TECHNOL	OGIE 15:07:32
BELL942	F0:82:61:40:53:5E	-77 J	1	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:10:05
NCF Office (Guest)	62:F2:6D:96:9A:79	-41 atl	1	b, g, n	144.4 Mbps			PSK-CCMP			15:07:33
Pierre	C8:91:F9:BE:DA:DE	-71 .	1	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:07:32
BELL343	40:F2:01:E5:2C:41	-81 .m	1	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:10:25
Chloe\&MJ	BC:14:01:DE:CE:58	-83 Juli	1+5	b, g, n	300 Mbps		PSK-(TKIP CCMP)	PSK-(TKIP CCMP)	1.0	Hitron Technologies	s. Inc 15:10:13
Rogers15150	84:94:8C:C4:19:C8	-77 mil	2	b, g, n	450 Mbps		PSK-(TKIP CCMP)	PSK-(TKIP CCMP)	1.0	Hitron Technologies	s. Inc 15:07:36
rockingpat	BC:14:01:20:3A:B8	-77 .	3+7	b, g, n	300 Mbps		PSK-(TKIP CCMP)	PSK-(TKIP CCMP)	1.0	Hitron Technologies	s. Inc 15:16:38
[Hidden]	BC:14:01:20:3A:B9	-77 .ml	3+7	b, g, n	300 Mbps			PSK-CCMP		Hitron Technologies	s. Inc 15:15:47
dlink-CBE5	C0:A0:BB:E6:CB:E5	-75 .	3	b, g, n	300 Mbps		PSK-(TKIP CCMP)	PSK-(TKIP CCMP)	1.0	D-Link Internationa	al 15:07:34
Ritika	64:66:B3:3F:4C:9E	-77 .dl	5+9	b, g, n	300 Mbps			PSK-CCMP	1.0	TP-LINK TECHNOL	OGIE 15:08:09
[Hidden]	68:B6:FC:CE:8A:49	-81 📶	6	b, g, n	300 Mbps			PSK-CCMP		Hitron Technologies	s. Inc 15:13:18
BELL973	68:15:90:38:B3:EE	-81 .	6	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:13:51
BELL216	40:F2:01:EB:8F:5B	-79 .11	6	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	
Kitkatz	68:B6:FC:CE:8A:48	-77 .ml	6	b, g, n	300 Mbps		PSK-(TKIP CCMP)	PSK-(TKIP CCMP)	1.0	Hitron Technologies	
1285RichmondRd	00:18:E7:8C:FD:5F	-77 .dl	6	b, g	54 Mbps	SharedKey		- , ,	1.0	Cameo Communica	
BELL725	54:64:D9:F5:E3:B8	-81	6	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:12:03
Aardvaark@dianne	64:66:B3:34:83:D4	-79 .11	6+10	b, g, n	150 Mbps			PSK-CCMP	1.0	TP-LINK TECHNOL	
BELL884	44:E9:DD:46:CA:2A	-81 .	6	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	and § 15:07:37
BELL143	C8:91:F9:BE:B3:B6	-77 .ml	6	b, g, n	216.7 Mbps			PSK-CCMP	1.0	Sagemcom Broadba	
NETGEAR94	6C:B0:CE:E2:F1:15	-73	6	b, g, n	144.4 Mbps			PSK-CCMP	1.0	NETGEAR	15:07:53



5. Leave the program to run for about 15 minutes and take a screenshot of the report. Save it as a word file (Open Word and hit [Ctrl+V]) and include in a reply to the most recent ticket email you received from support@ncf.ca.

The channels with the most wifi networks represent the frequency bands with the most interference from other networks.

6. If you live in a WiFi-dense Setting (have more than 15 wireless networks on your list), sort the list by RSSI value instead of channels. Click the [RSSI] List to sort the Wifi networks by Signal Strength from the lowest digit trending higher (For example, going from -30 to -80). You may have to click on [RSSI] twice to get the right order. We focus on the signals closest to you to find a channel that's least busy channel.

7. Leave the program to run for about 15 minutes again and another take a screenshot of the report. Add it to your word file (Open Word and hit [Ctrl+V]) and include in a reply to the most recent ticket email we sent to you or email to support@ncf.ca with your ticket number in the subject.

SSID	MAC Address	bee	Chan	802.11	May Creek
			Chan	002.11	Max Spee
NCF Office (Guest)	62:F2:6D:96:9A:79	-39 1	1	b, g, n	144.4 N
NCF Office (Secure)	F4:F2:6D:96:9A:78	-39 1	1	b, g, n	144.4 N
Nutrichem	C0:C1:C0:95:82:97	-63 🚛	6	b, g, n	144.4 N
Tardis1a	40:16:7E:A2:C4:70	-67 📶	6	b, g, n	216.7 N
Rogers15150	84:94:8C:C4:19:C8	-73 📶	2	b, g, n	450 N
MaxPower	0C:47:3D:C3:89:88	-77 📶	8	b, g, n	450 N
NETGEAR94	6C:B0:CE:E2:F1:15	-71 📶	6	b, g, n	144.4 N
BELL343	40:F2:01:E5:2C:41	-75 📶	1	b, g, n	216.7 N
dlink-CBE5	C0:A0:BB:E6:CB:E5	-75 📶	3	b, g, n	300 N
Ritika	64:66:B3:3F:4C:9E	-75 📶	4+8	b, g, n	300 N
BELL466	18:62:2C:DF:44:27	-73	6	b, g, n	450 N
BELL302	4C:17:EB:D6:E3:25	-75 📶	1+5	b, g, n	450 N
BELL216	40:F2:01:EB:8F:5B	-75 📶	6	b, g, n	216.7 N
Rogers32012	84:94:8C:C9:A5:D8	-79 📶	9	b, g, n	450 N
BELL501	68:15:90:43:57:32	-77 .cf	1	b, g, n	450 N
BELL091	F0:82:61:45:77:69	-77 .ml	11	b, g, n	216.7 N
Pierre	C8:91:F9:BE:DA:DE	-77 .ml	1	b, g, n	216.7 N
BELL952	A0:1B:29:DE:3C:9C	-77 .ml	11	b, g, n	216.7 N
[Hidden]	BC:14:01:20:3A:B9	-77 .ml	3+7	b, g, n	300 N
BELL143	C8:91:F9:BE:B3:B6	-77 Juli	6	b, g, n	216.7 N
BELL933	68:15:90:3F:C1:6A	-77 .ml	1	b, g, n	450 N
0511.000		77			24671

Note:

• If your house is bigger than a two bedroom apartment, it is recommended that you generate this report from different locations in your house. Include a brief description with each screenshot in that case.