

Wikipedia			https://en.wikipedia.org/wiki/List_of_WLAN_channels											
5 GHz (802.11a/h/j/n/ac/ax)														
Channel	Center frequency (MHz)	Frequency range (MHz)	10 MHz	20 MHz	40 MHz	80 MHz	160 MHz	United States FCC U-NII band(s)	United States <a href="#">[16]</a>	Canada <sup>[17][18]</sup>	United Kingdom <a href="#">[19]</a>	Europe <sup>[20][21][22][23][24][25]</sup>	South Africa <a href="#">[39]</a>	
7	5035	5030–5040	10	20	<div></div>	<div></div>	<div></div>	—	No	No	No	No	No	
8	5040	5030–5050			<div></div>	<div></div>	<div></div>	—	No	No	No	No	No	
9	5045	5040–5050	10		<div></div>	<div></div>	<div></div>	—	No	No	No	No	No	
11	5055	5050–5060	10	20	<div></div>	<div></div>	<div></div>	—	No	No	No	No	No	
12	5060	5050–5070			<div></div>	<div></div>	<div></div>	—	No	No	No	No	No	
16	5080	5070–5090			<div></div>	<div></div>	<div></div>	—	No	No	No	No	No	
32	5160	5150–5170	20	40	40	80	160	U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Un-known	
34	5170	5150–5190						U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC	
36	5180	5170–5190	20	40	40	80		U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC	
38	5190	5170–5210						U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC	
40	5200	5190–5210	20					U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC	
42	5210	5170–5250	20	40	40	80		U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	No	
44	5220	5210–5230						20	U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
46	5230	5210–5250							U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
48	5240	5230–5250						20	U-NII-1	Yes	Indoors	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/T PC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
50	5250	5170–5330						U-NII-1 and U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS/TPC or <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC or <sup>[note 1]</sup> <sup>[note 2]</sup>	No	
		5230–5330						<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS	Indoors/DFS	Indoors/DFS/		

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52	5260	5250–5270	20		40	80		U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	/TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	/TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	TPC
54	5270	5250–5290						U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
56	5280	5270–5290	20					U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
58	5290	5250–5330						U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	No
60	5300	5290–5310	20		40			U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
62	5310	5290–5330						U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
64	5320	5310–5330	20					U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS/TPC
68	5340	5330–5350	20					U-NII-2A	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Indoors/DFS /TPC <sup>[note 1]</sup> <sup>[note 2]</sup>	Un-known
96	5480	5470–5490	20					U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	Indoors/DFS /TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	Un-known
100	5500	5490–5510	20		40			U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
102	5510	5490–5530						U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
		5510–5530							<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC <sup>[note 7]</sup> <sup>[note 8]</sup>	

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104	5520	5510–5530		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	or <sup>[note 7]</sup> <sup>[note 8]</sup>	or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
106	5530	5490–5570				80		U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	No
108	5540	5530–5550		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
110	5550	5530–5570			40			U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
112	5560	5550–5570		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
114	5570	5490–5650					160	U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	No
116	5580	5570–5590		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
118	5590	5570–5610			40			U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS
120	5600	5590–5610		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
122	5610	5570–5650				80		U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	No
124	5620	5610–5630		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
126	5630	5610–5650			40			U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
		5630–56							<a href="#">DFS/TPC</a>		DFS/TPC	DFS/TPC	

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128	5640	5640–5650		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	No	or <sup>[note 7]</sup> <sup>[note 8]</sup>	or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
132	5660	5650–5670		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
134	5670	5650–5690			40			U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
136	5680	5670–5690		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
138	5690	5650–5730				80		U-NII-2C and U-NII-3	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup> + SRD (25 mW)	No
140	5700	5690–5710		20				U-NII-2C	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	Yes
142	5710	5690–5730			40			U-NII-2C and U-NII-3	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup> + SRD (25 mW)	No
144	5720	5710–5730		20				U-NII-2C and U-NII-3	<a href="#">DFS/TPC or [note 5]</a>	<a href="#">DFS/TPC or [note 5]</a>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup>	DFS/TPC or <sup>[note 7]</sup> <sup>[note 8]</sup> + SRD (25 mW)	No
149	5745	5735–5755		20				U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No
151	5755	5735–5775			40			U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No
153	5765	5755–5775		20				U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No
155	5775	5735–5815				80		U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No
157	5785	5775–5795		20				U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No
159	5795	5775–5815			40			U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No
161	5805	5795–5845		20				U-NII-3	Yes	Yes	SRD (200 mW) <sup>[SRD (25 mW)][45]</sup>	<a href="#">SRD (25 mW)[45]</a>	No

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		5735–5895									)	<a href="#">45]</a>	
163	5815	5735–5895					160	U-NII-3 and U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	No	No	No
165	5825	5815–5835		20				U-NII-3	Yes	Yes	SRD (200 mW)	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	No
167	5835	5815–5855			40			U-NII-3 and U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	No
169	5845	5835–5855		20				U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	No
171	5855	5815–5895				80		U-NII-3 and U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	No
173	5865	5855–5875		20				U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	<a href="#">SRD</a> <a href="#">(25 mW)</a> <a href="#">[45]</a>	No
175	5875	5855–5895			40			U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	No	No	No
177	5885	5875–5895		20				U-NII-4	<a href="#">Indoors</a> <a href="#">[46]</a>	No	No	No	No
182	5910	5905–5915	10		<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	No	No	No
183 (proposed)	5915	5905–5925		20	<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	No	No	No
184	5920	5915–5925	10		<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	Indoors/SRD (250 mW)	No	No
187	5935	5930–5940	10		<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	Indoors/SRD (250 mW)	No	No
188	5940	5930–5950		20	<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	Indoors/SRD (250 mW)	No	No
189	5945	5940–5950	10		<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	Indoors/SRD (250 mW)	No	No
192	5960	5950–5970		20	<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	Indoors/SRD (250 mW)	No	No
196	5980	5970–5990		20	<div>✗</div>	<div>✗</div>	<div>✗</div>	—	No	No	Indoors/SRD (250 mW)	No	No