

5 GHz Channel Allocations

500 MHz



Frequency		5000 + 5 X Ch. Number				DFS Channels				DFS Channels																PROFESSIONAL													
Radio Band		U-NII-1				U-NII-2a				Past Proposal UNII-2b								TDWR U-NII-2c (Extended)								U-NII-3				Proposed UNII-4									
Center Freq		5180	5200	5220	5240	5260	5280	5300	5320	5340	5360	5380	5400	5420	5440	5460	5480	5500	5520	5540	5560	5580	5600	5620	5640	5660	5680	5700	5720	5745	5765	5785	5805	5825	5845	5865	5885		
Qty	25	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	149	153	157	161	165	169	173	177		
	12	38		46		54		62		70		78		86		94		102		110		118		126		134		142		151		159		167		175			
	6	42				58				74				90				106				122				138				155				171					
	2	50								82								114								165 was ISM, now U-NII-3								Proposed					
FCC - US		1,000 mW Tx Power Indoor & Outdoor No DFS needed				250 mw w/6dBi Indoor & Outdoor DFS Required				Not Currently Available for Unlicensed								250 mw w/6dBi Indoor & Outdoor DFS Required				120, 124, 128 US - Allowed				144 Now Allowed				1,000 mW Tx Power Indoor & Outdoor No DFS needed				Not Currently Available For Unlicensed					
ISED - Canada		FCC - Except Outdoor License Req. >200 mW				Same as FCC												Same as FCC				TDWR Not Allowed				Same as FCC				Canada PtP allows Higher EIRP									
ACMA - Australia		200 mW EIRP Indoor				200 mW EIRP - DFS & TPC 100 mW EIRP - DFS-Only Indoor												1,000 mW - DFS & TPC 500 mW - DFS-Only - No TPC Indoor/Outdoor				TDWR Not Allowed				1,000 mW - DFS & TPC 500 mW - DFS-Only Indoor/Outdoor				4,000 mW Tx Power Indoor & Outdoor No DFS needed									
ETSI - EU		100 mW No DFS/TPC Indoor				200 mW EIRP DFS/TPC Indoor												1,000 mW EIRP DFS/TPC Indoor/Outdoor				UK No 144				25mW SRD				4,000 mW EIRP DFS/TPC - Outdoor Fixed Wireless Access									
20 MHz		36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	149	153	157	161	165	169	173	177		
Center Freq		5180	5200	5220	5240	5260	5280	5300	5320	5340	5360	5380	5400	5420	5440	5460	5480	5500	5520	5540	5560	5580	5600	5620	5640	5660	5680	5700	5720	5745	5765	5785	5805	5825	5845	5865	5885		
<- Wavelength 5.8cm - 2.3"																																				Wavelength 5.1cm - 2.0" ->			
Free Space Path Loss 1m		-45.74	-45.77	-45.80	-45.84	-45.87	-45.90	-45.94	-45.97	-46.00	-46.03	-46.07	-46.10	-46.13	-46.16	-46.19	-46.23	-46.26	-46.29	-46.32	-46.35	-46.38	-46.41	-46.44	-46.48	-46.51	-46.54	-46.57	-46.60	-46.64	-46.67	-46.70	-46.73	-46.76	-46.79	-46.82	-46.84		