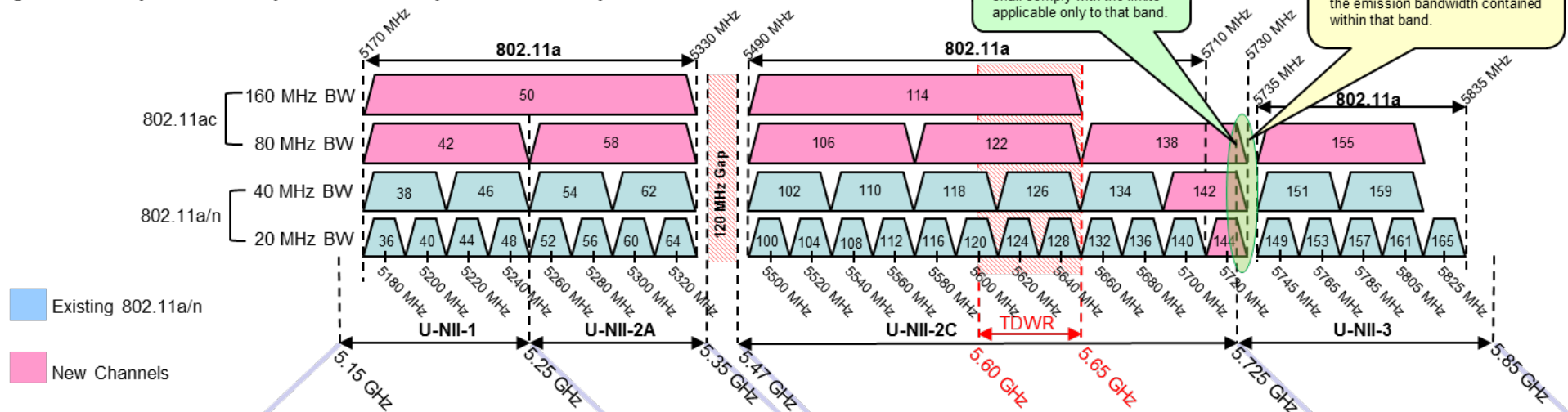


# OPERATION IN U-NII BANDS – 802.11 CHANNEL PLAN §15.407 (Part 15E), 1<sup>st</sup> R&O (FCC 06-96), effective 6/2/2014



Frequency Range (MHz)	5150-5250	5250-5350	5470-5725	5725-5850
Condition of Operation	Indoor/Outdoor, Master/Client, mobile/portable, and fixed Device, unless otherwise noted			
Max Conducted TX Power	30 dBm (1 W) for master device 24 dBm (250 mW) for mobile/portable client device	24dBm (250 mW) or 11 dBm + 10 log B, whichever is lower (B= 26-dB emission BW)		30 dBm (1 W)
Max_EIRP	4 W (36 dBm) with 6 dBi antenna 200 W (53 dBm) for fixed P-t-P application with 23 dBi antenna Additional rule for outdoor operation: Max_EIRP < 125 mW (21 dBm) at any elevation angle > 30° from horizon		1 W (30 dBm) with 6 dBi antenna	4 W (36 dBm) with 6 dBi antenna No EIRP limit for fixed P-t-P application (i.e. no antenna gain limit)
TX Power Reduction (dBm-by-dBi) required when antenna exceeds...	> 6dBi >23 dBi for fixed P-t-P application		> 6 dBi	> 6dBi Not required for fixed P-t-P application with any antenna gain
Out of Band e.i.r.p. Emission	≤-27 dBm/MHz outside 5150-5350 MHz		≤-27 dBm/MHz outside 5470-5725 MHz	≤-17 dBm/MHz within 5715-5725 MHz and 5850-5860 MHz ≤-27 dBm/MHz outside 5715-5860 MHz
Max Conducted Power Spectral Density (PSD)	17 dBm/MHz for master device 11 dBm/MHz for mobile/portable client device		11 dBm/MHz	30 dBm/500kHz
Dynamic Frequency Selection (DFS) required?	NO	YES, for master device with Detection Threshold of -64 dBm for 200 mW (23 dBm) ≤ Operating_EIRP ≤ 1W (30 dBm); -62dBm for Operating_EIRP < 200 mW (23 dBm) and PSD must be < 10 dBm/MHz. Device must sense for radar signals at 100% of its emission BW	NO, for client device	NO
Transmit Power Control (TPC) required?	NO	YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm	NO, if Max_EIRP < 500mW (27dBm)	NO
Minimum BW requirement	N/A			6-dB BW ≥ 500 kHz