

In reference to: FCC ID: 2AAEH-104 and -106

Regarding: Conducted measurements for bandedge spurious emissions below 5150

Conducted measurements are being used to demonstrate compliance with the spurious limits in the restricted band immediately below 5150MHz (all other spurious emissions are measured using the radiated test method with the antennas connected). The limits are 54dBuV/m average and 74dBuV/m peak, which are equivalent to eirp of -41.2 dBm and -21.2dBm respectively. The plots include an offset to account for the EUT antenna gain and external attenuation between EUT antenna port and spectrum analyzer. As the two antenna chains feed cross polarized antennas with un- correlated signals the two chains are treated independently and the emissions do not need to be summed.

The 26dB bandwidth of the channels covered in these applications is below 5250MHz for all bandwidths. The actual values are:

10MHz bandwidth:

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low	5166	10.64	10.67
Mid	5200	10.67	10.67
High	5240	10.86	10.89

20MHz bandwidth:

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low 1	5181	21.22	21.12
Low 2	5191	21.22	21.15
Mid	5200	21.22	21.19
High	5235	21.58	21.62

40MHz bandwidth:

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low 1	5190	40.610	40.424
Low 2	5200	41.130	41.130
Low 3	5210	40.548	40.424
Mid	5220	40.548	40.424
High	5225	40.548	40.362

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