



2020-02-26

Request for reference test data for Cisco Model: AIR-AP1815I-B-K9, FCC ID: LDK102108

We, Cisco System, Inc. would like to reference the EMC test data from the following application

FCC ID: LDK102107

Equipment Class: NII

Rule Part: FCC Part 15.407

Frequency Band: 5725-5850 MHz

AP1815I is electrically identical with AP1815T. The chipsets and FEMs used by these models are the same. The only difference is the antenna gain. Please see details below,

Model Number	Antenna Type	Antenna Assembly	Max. Antenna Gain @ 5 GHz (dBi)
AP1815I	Single-band Monopole	Integrated	4
AP1815T	Single-band Monopole	Integrated	3

Both systems were originally certified with grant note 49. In order to remove the grant note, and to be able to continue manufacturer, market, sell, and import after March 2, 2020, the band-edge emissions were re-measured for the U-NII-3 band to show compliance with the FCC §15.407 (b)(4)(i). The measurement was completed on AP1815T, and the results were found to be compliance. As demonstrated in the test report EDCS-18342224, the band-edge emissions were all under the limit. The worst margin of 6.76 dB is sufficient to cover the 1 dB difference in the antenna gain.

Based on the similarity between AP1815T and AP1815I described above and Cisco's evaluation, we would like to reference test data from AP1815T for the application of AP1815I. We will take full responsibility that the test data as referenced represents compliance for AP1815I under the current application

Signature

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