

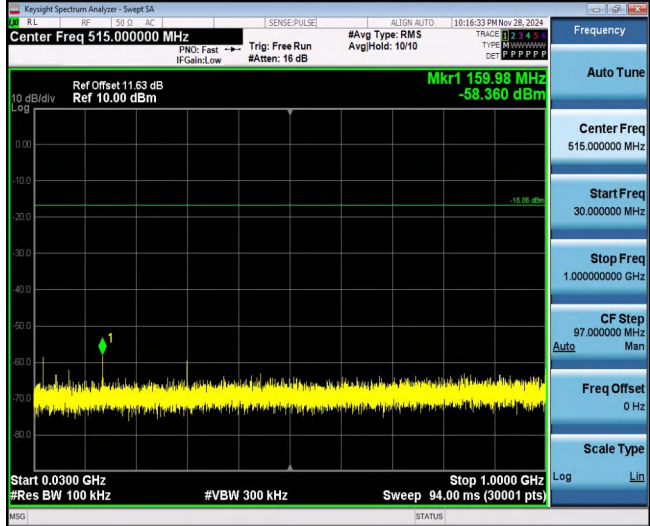
802.11b



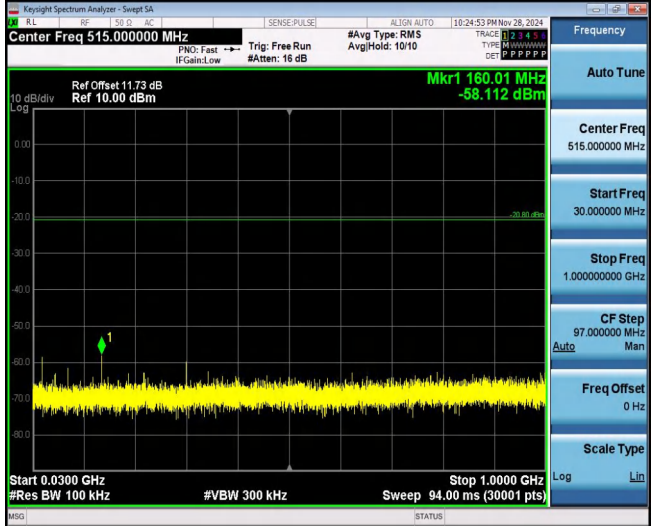
802.11g



CH11



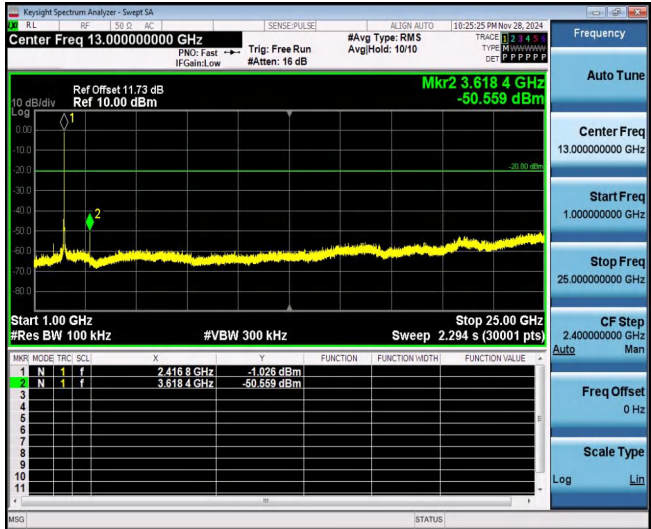
CH01



30MHz-1GHz



30MHz-1GHz



1GHz -25GHz

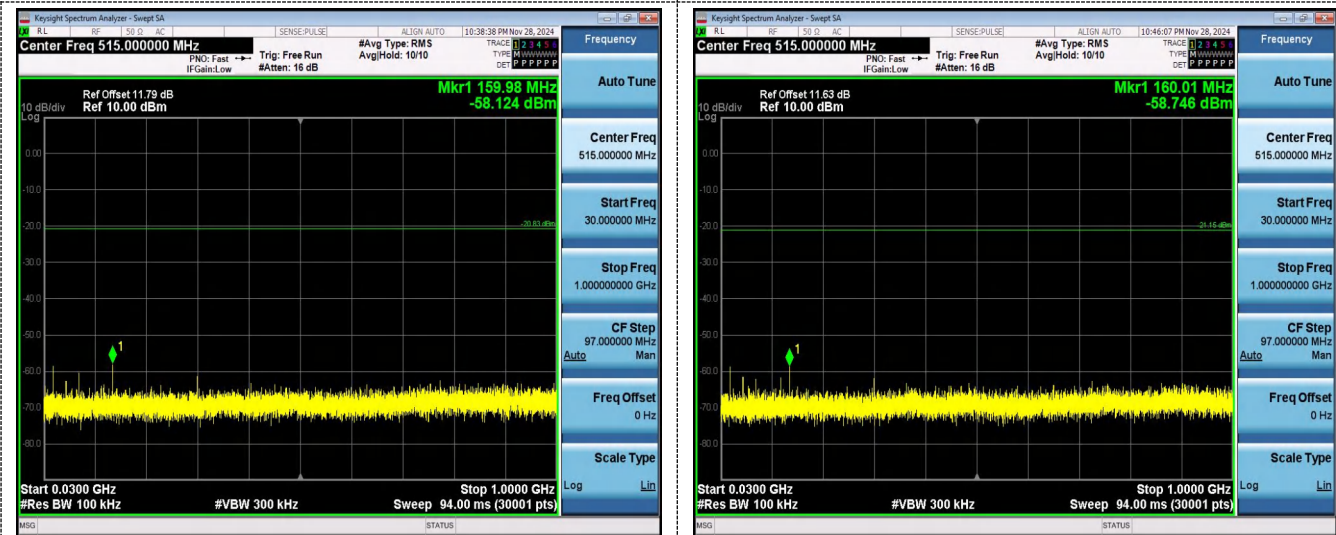
1GHz -25GHz

802.11g



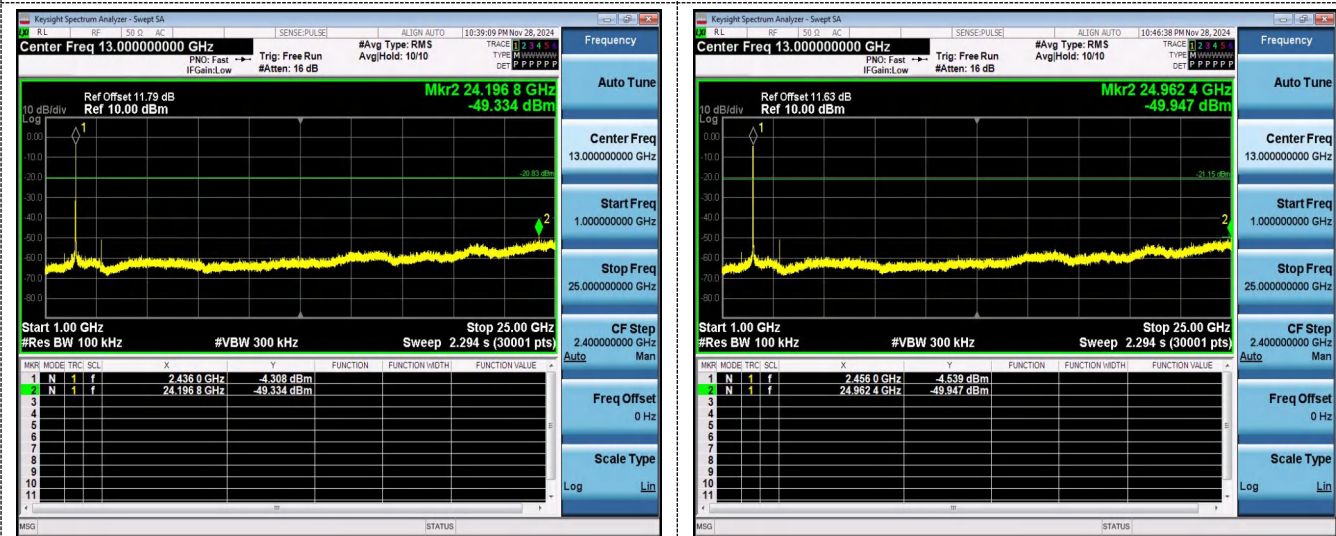
CH06

CH11



30MHz-1GHz

30MHz-1GHz



1GHz-25GHz

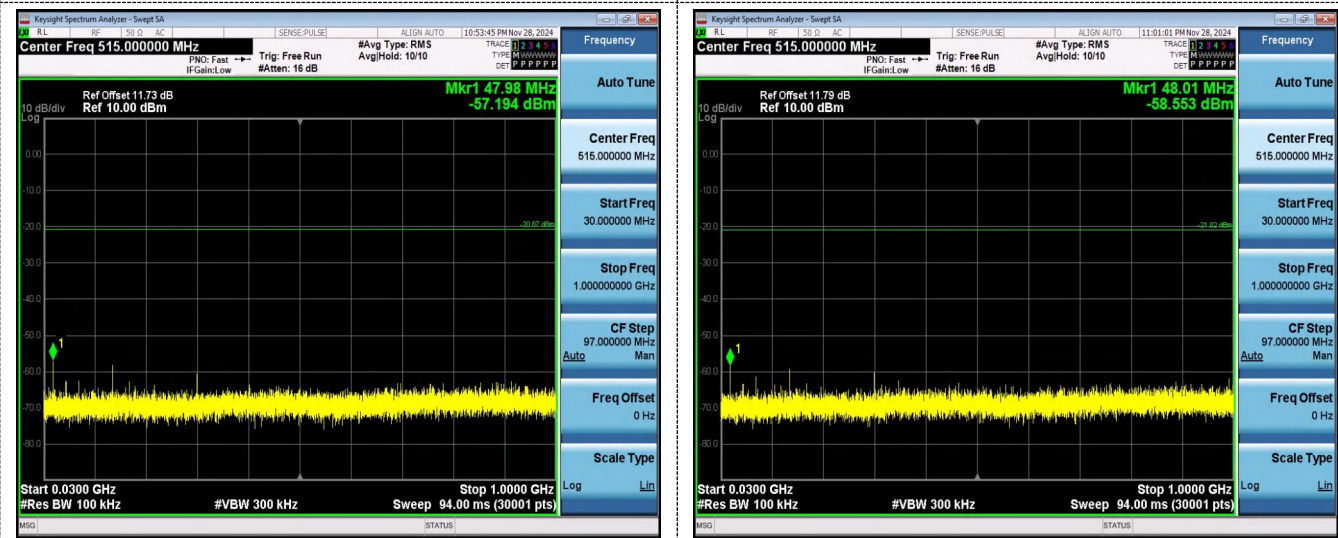
1GHz-25GHz

802.11n(HT20)



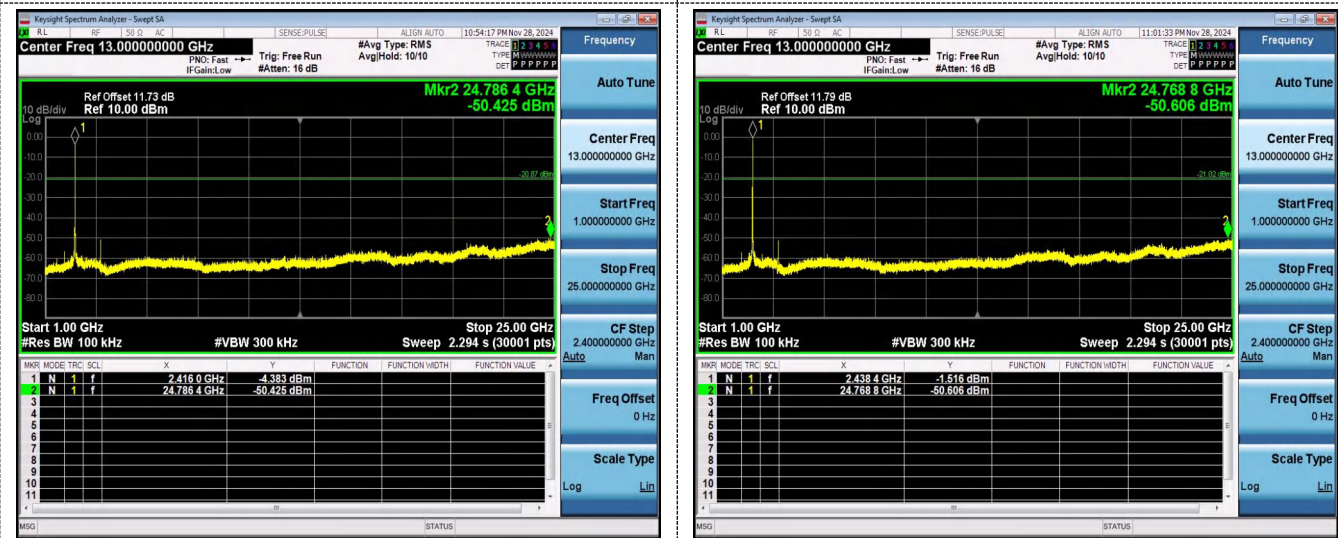
CH01

CH06



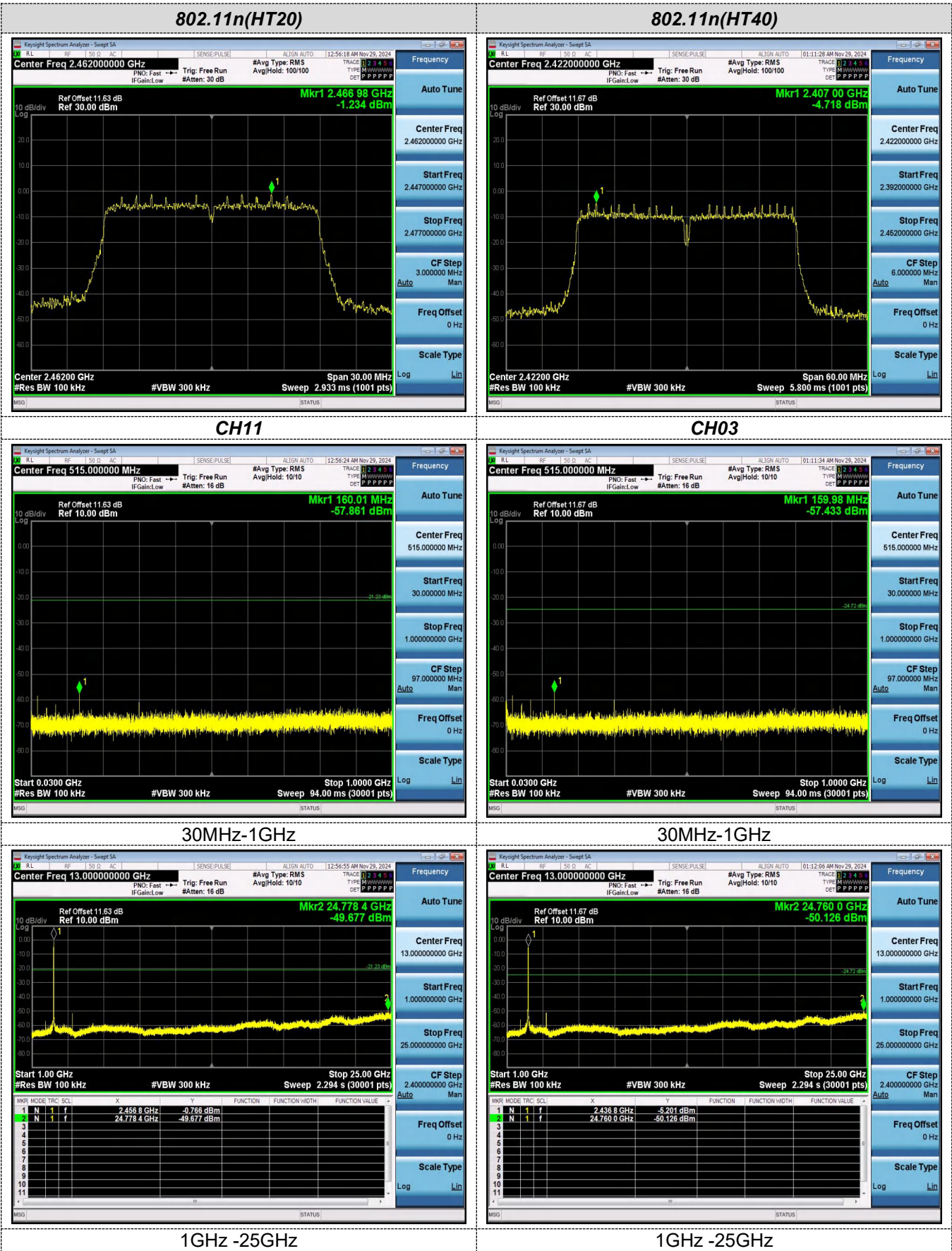
30MHz-1GHz

30MHz-1GHz

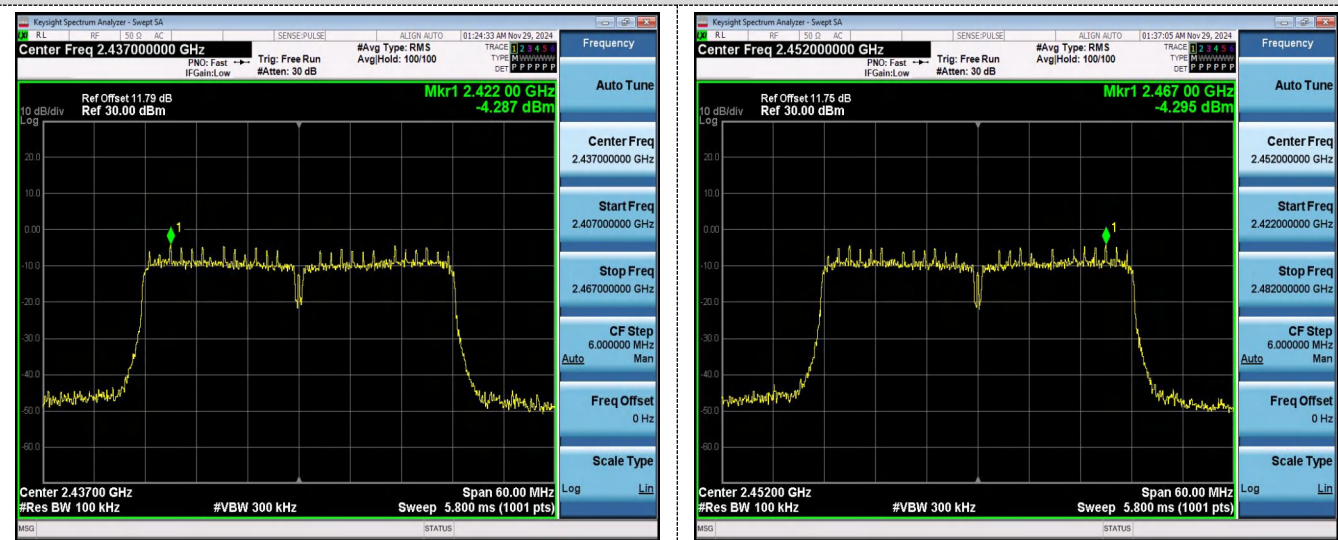


1GHz-25GHz

1GHz-25GHz

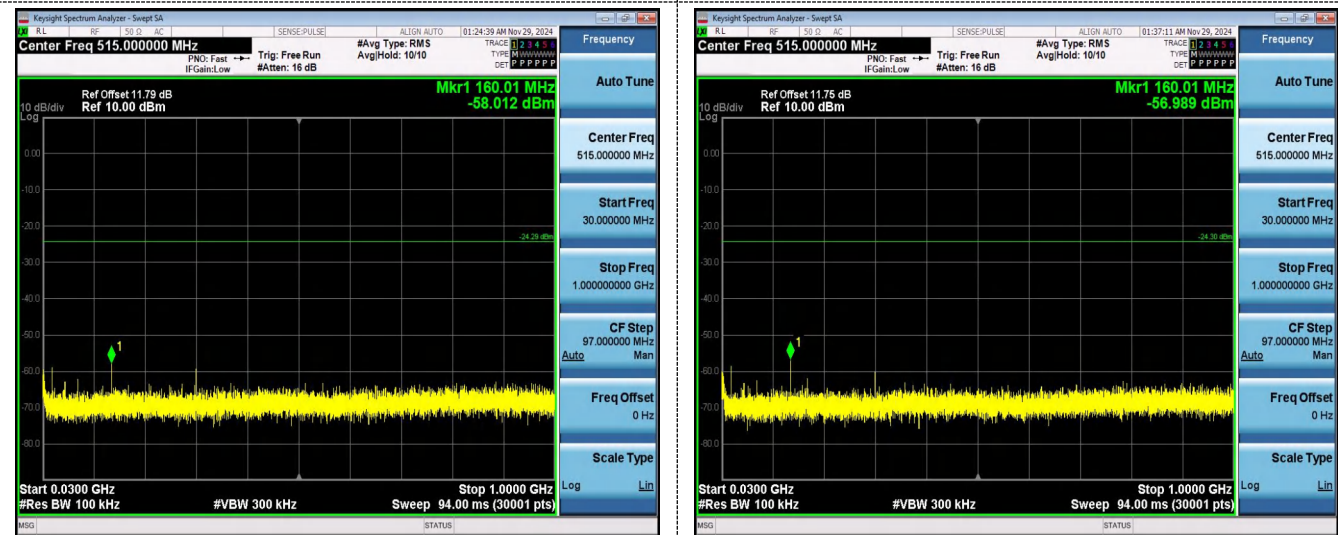


802.11n(HT40)



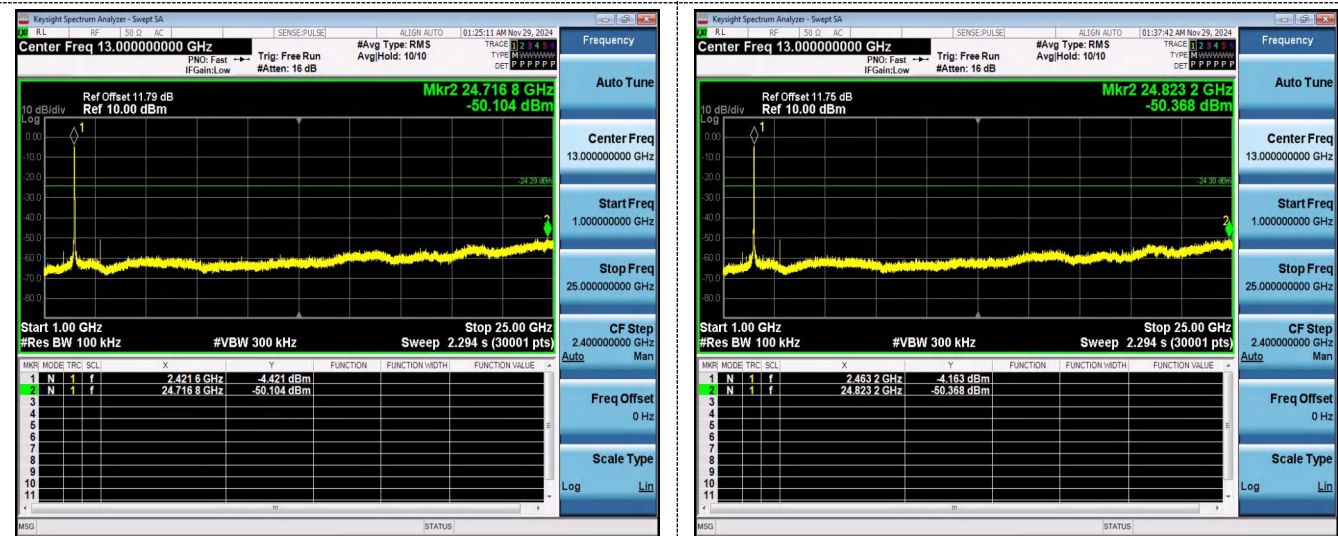
CH06

CH09



30MHz-1GHz

30MHz-1GHz



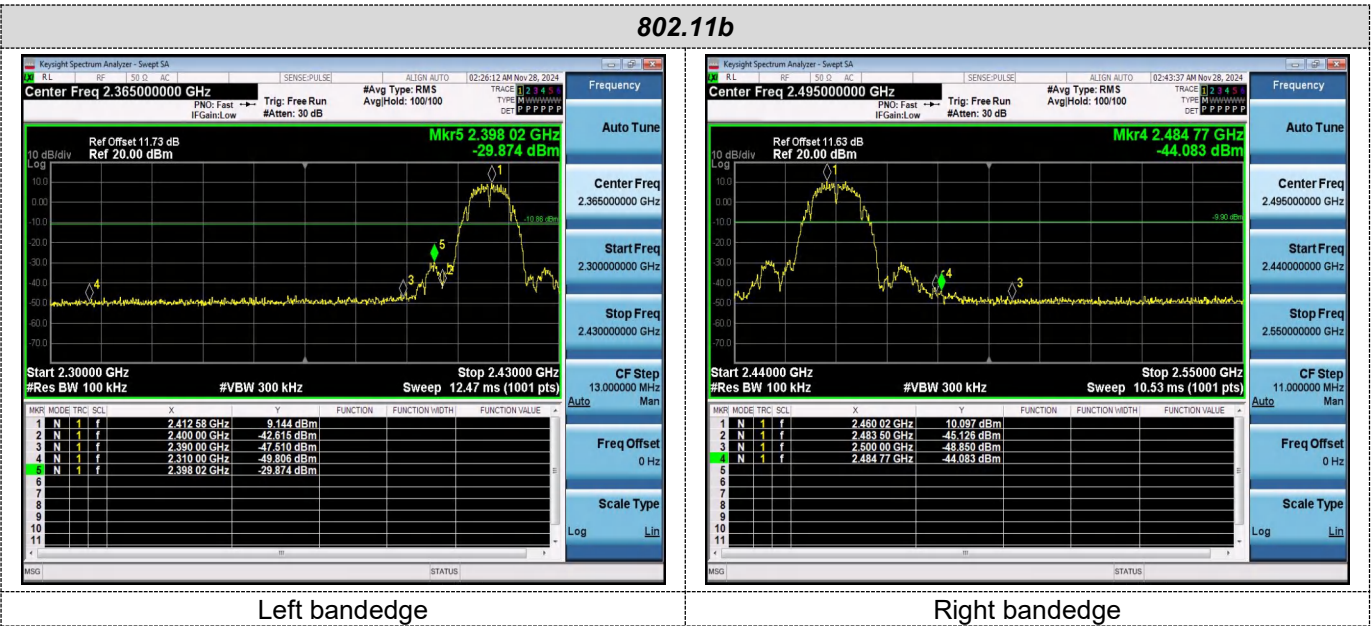
1GHz-25GHz

1GHz-25GHz

Band-edge Measurements for RF Conducted Emissions:

Ant 1

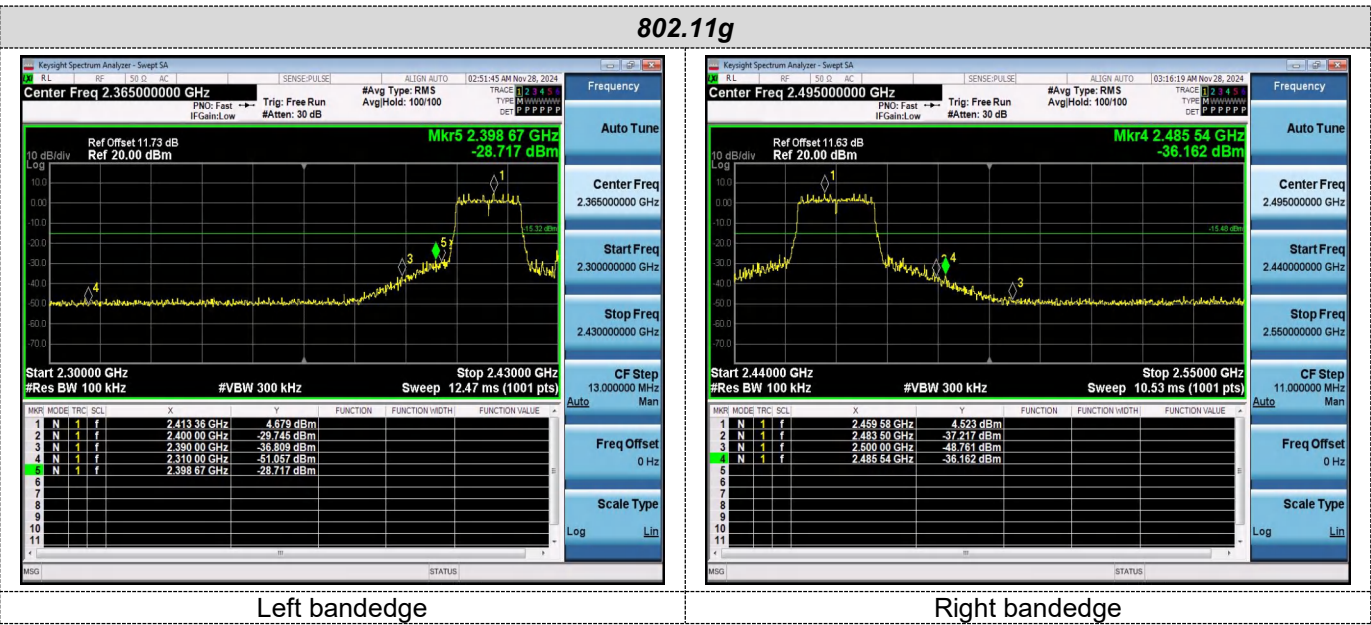
802.11b



Left bandedge

Right bandedge

802.11g



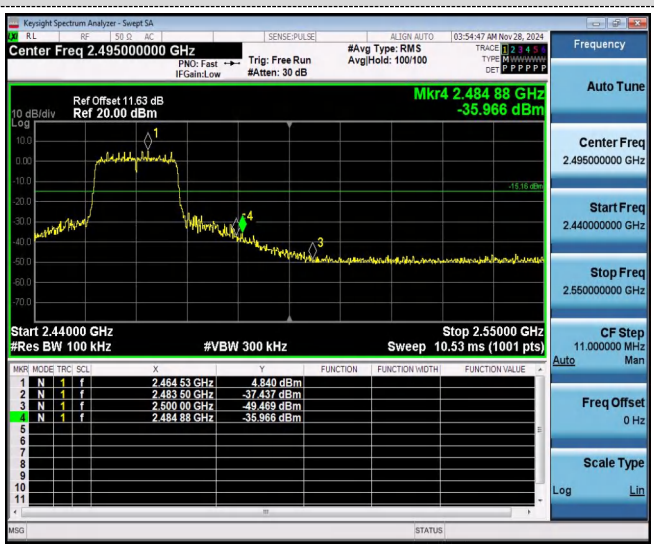
Left bandedge

Right bandedge

802.11n(HT20)



Left bandedge

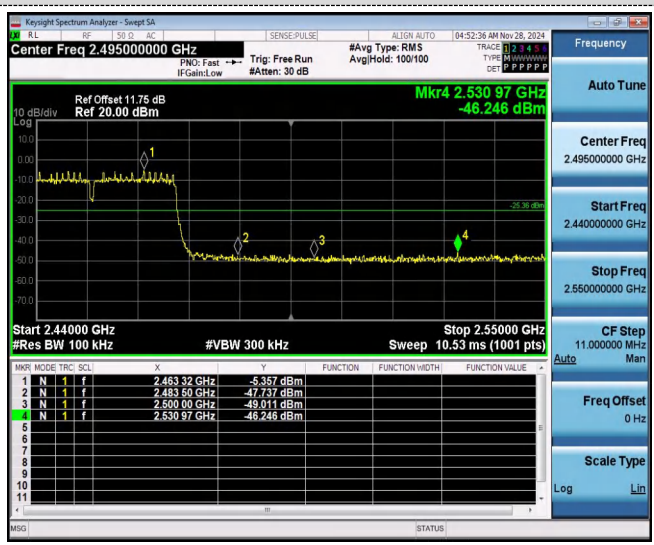


Right bandedge

802.11n(HT40)

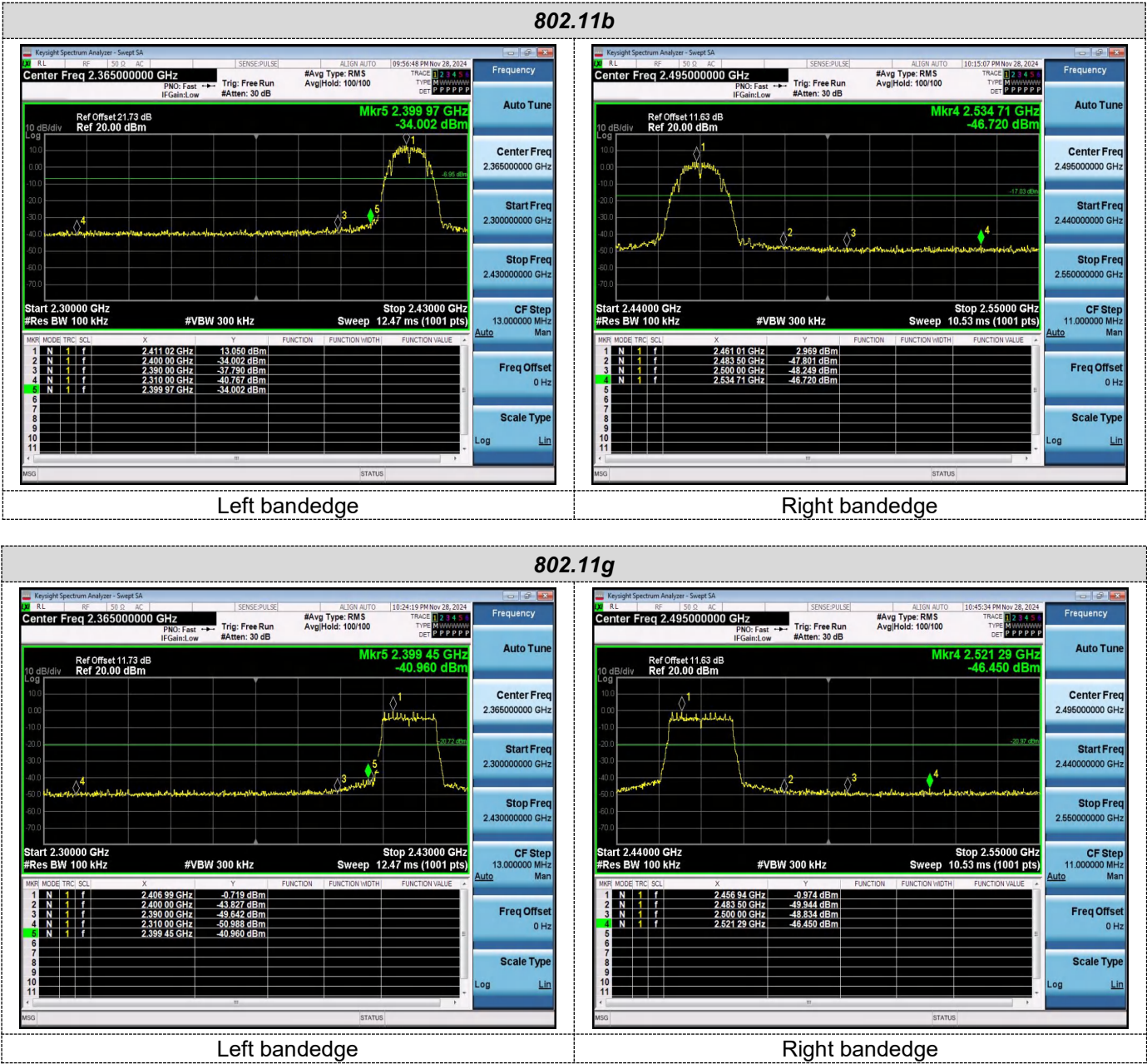


Left bandedge

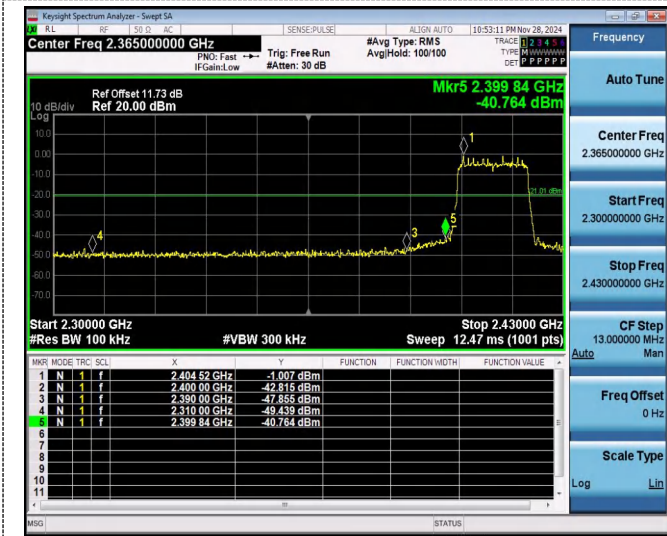


Right bandedge

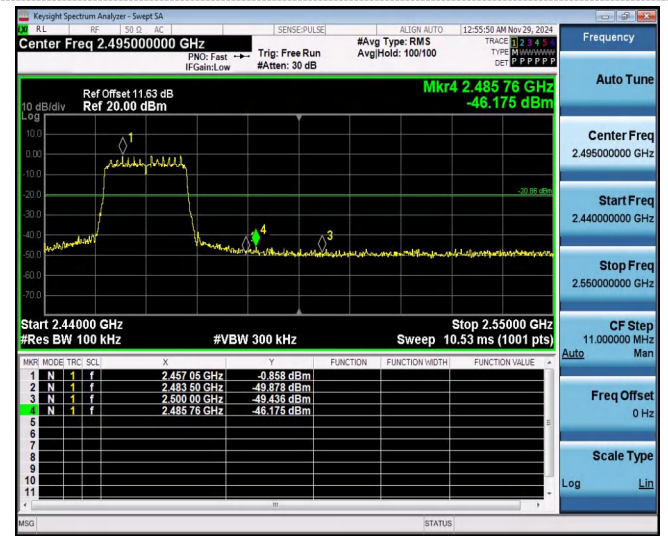
Ant 2



802.11n(HT20)

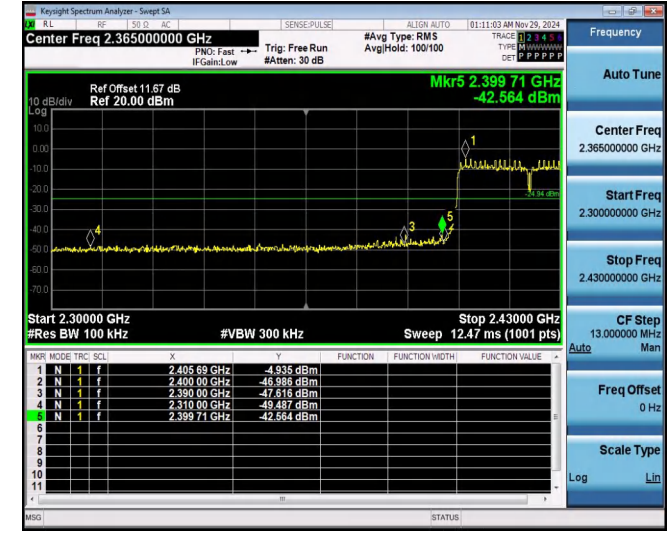


Left bandedge

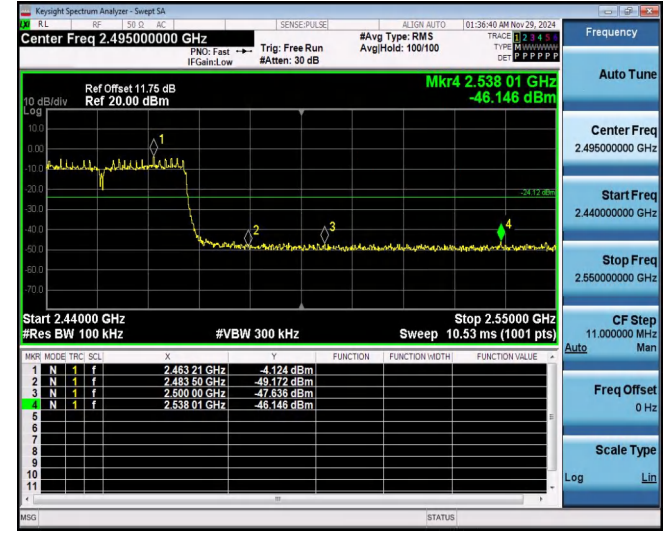


Right bandedge

802.11n(HT40)



Left bandedge



Right bandedge

4.7 Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

The maximum gain of antenna was 3.28 dBi for 2.4GHz WIFI Ant 1, the maximum gain of antenna was 3.09 dBi for 2.4GHz WIFI Ant 2.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen GUOREN Certification Technology Service Co., Ltd. does not assume any responsibility.