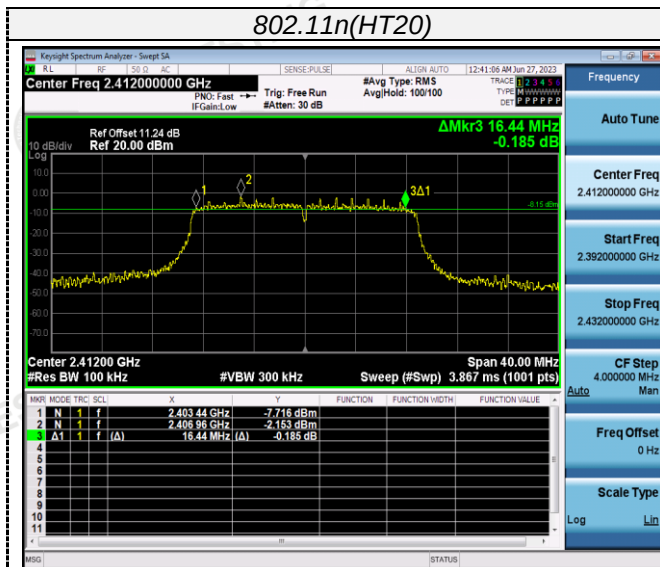
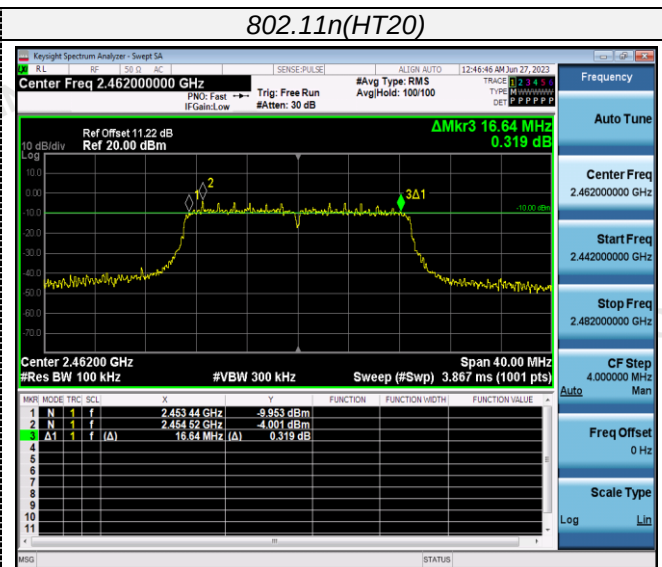


802.11n(HT20)

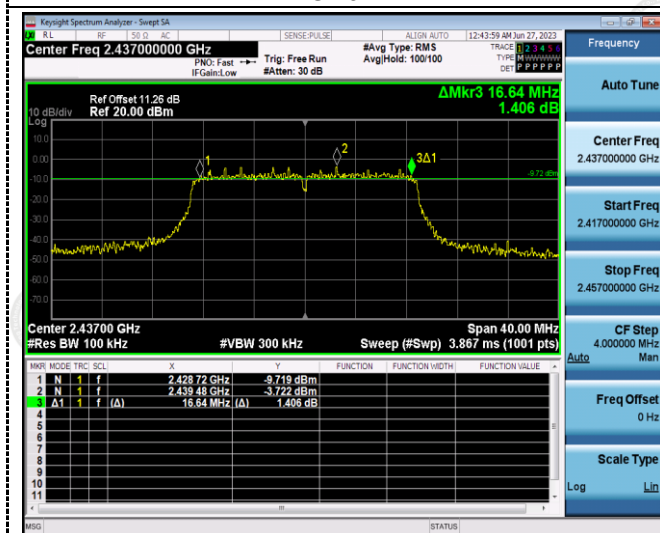


CH01

802.11n(HT20)



CH06



CH11

4.6 Out-of-band Emissions

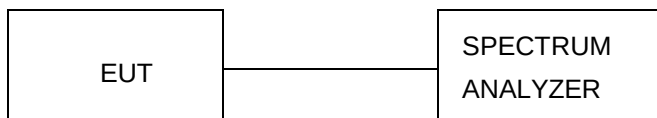
Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

Test Procedure

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, band edge and out-of-band emissions.

Test Configuration



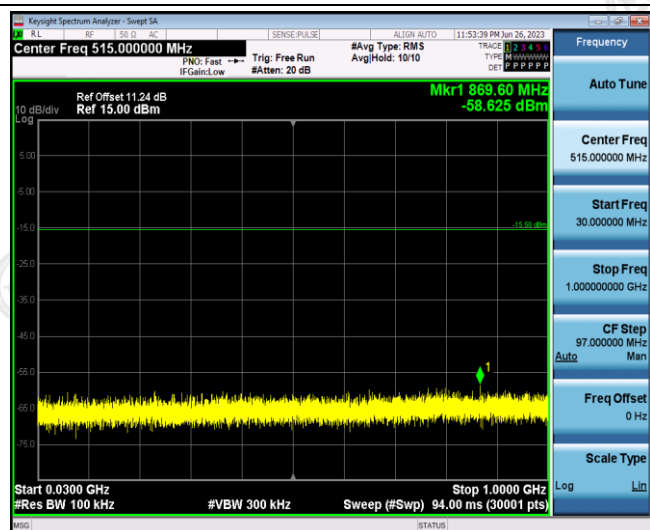
Test Results

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data. And record the worst data in the report.

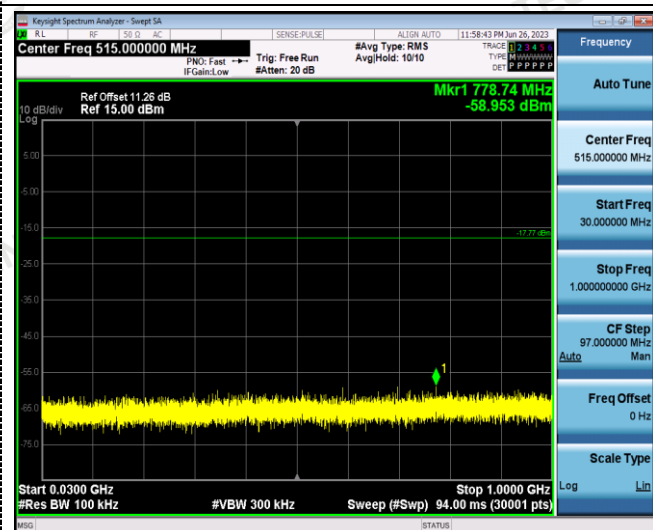
Test plot as follows:

ANT 1:

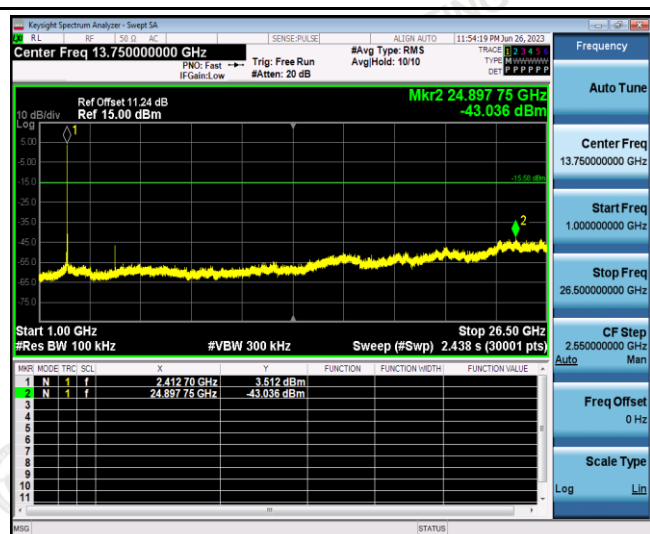
802.11b

Reference
CH01Reference
CH06

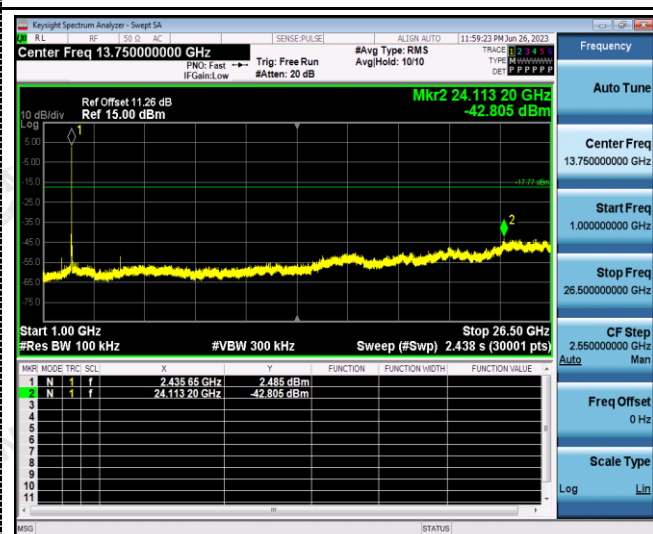
30MHz-3GHz



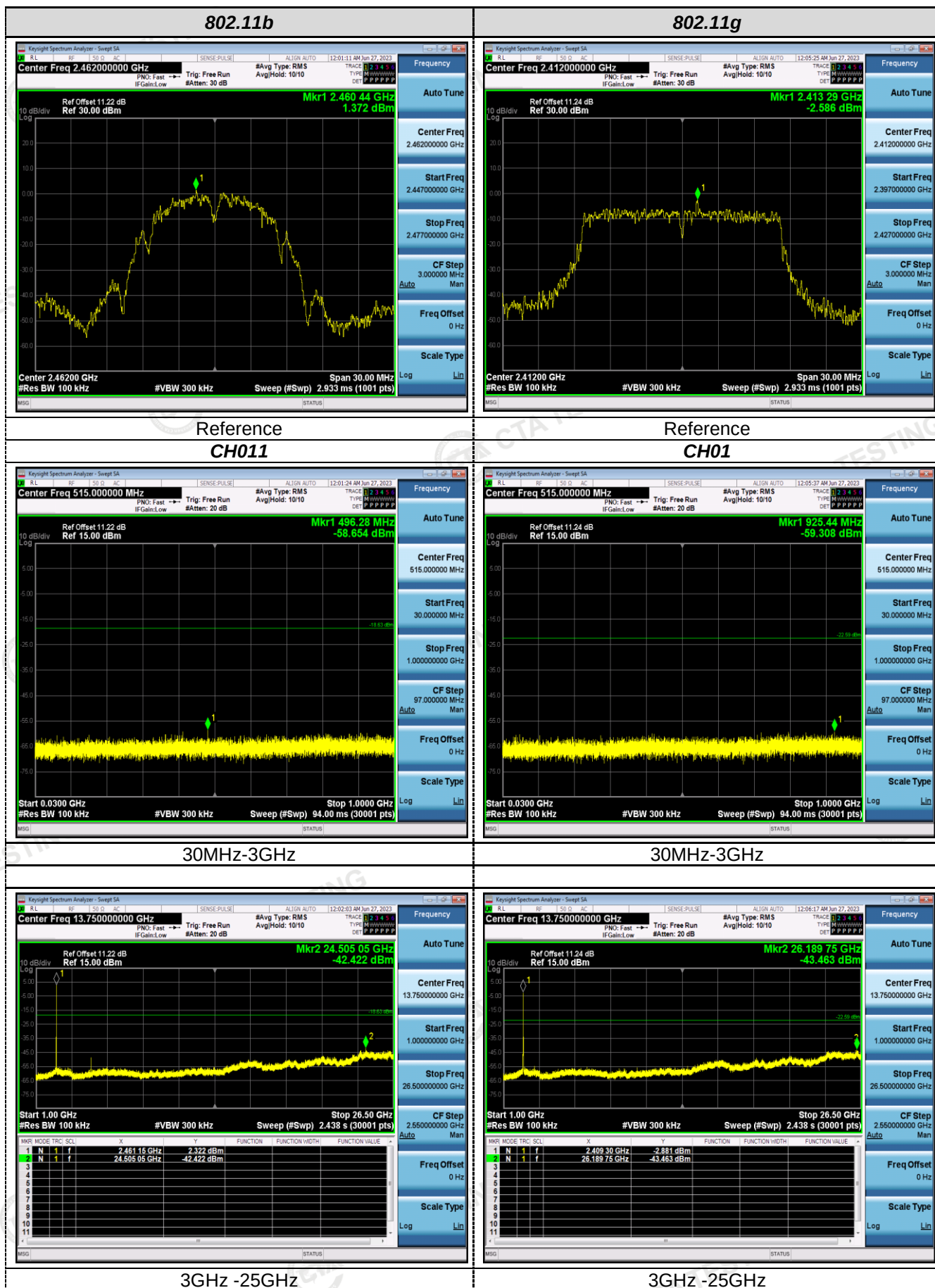
30MHz-3GHz



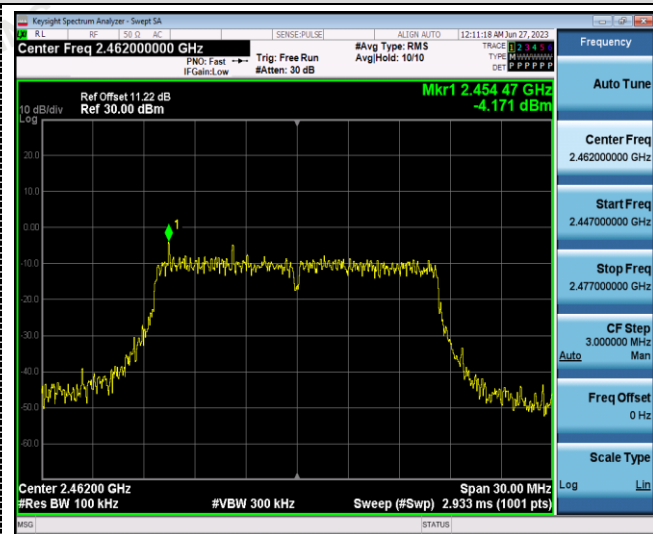
3GHz-25GHz



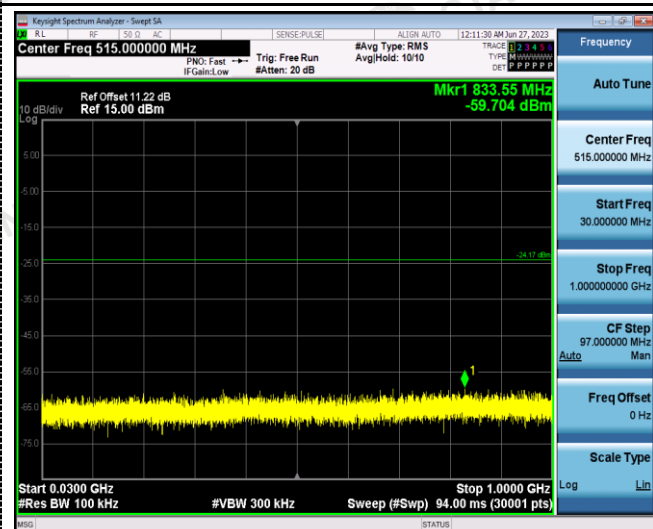
3GHz-25GHz



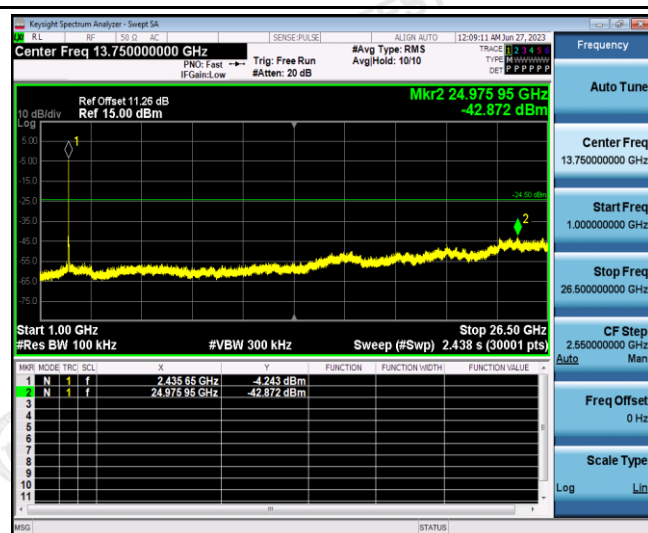
802.11g

Reference
CH06Reference
CH11

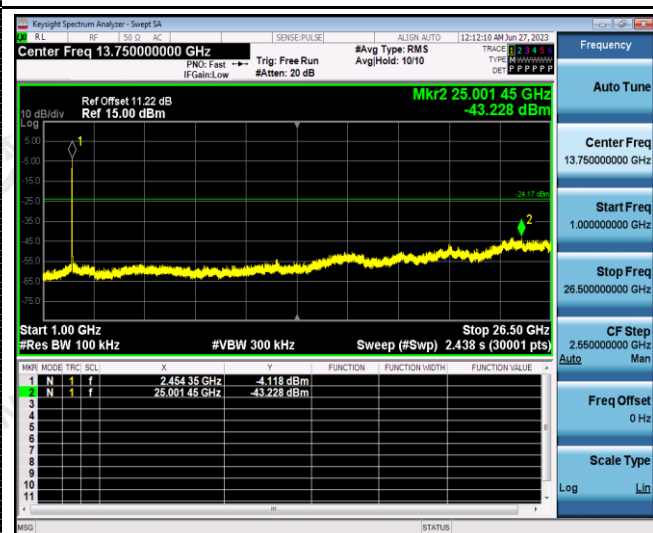
30MHz-3GHz



30MHz-3GHz

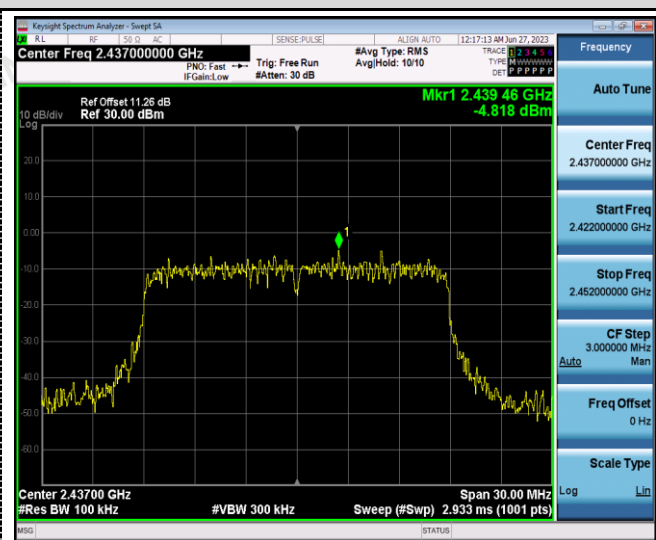
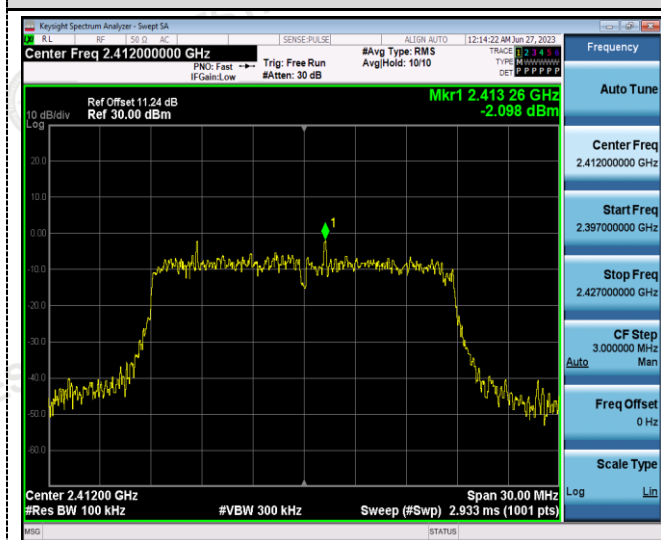
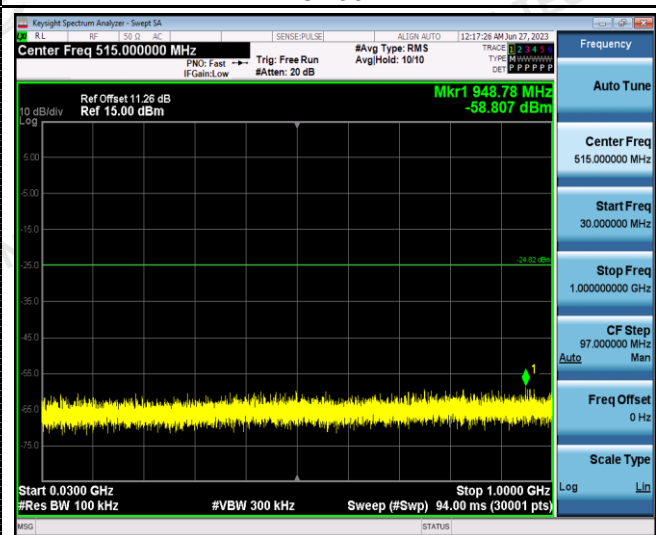
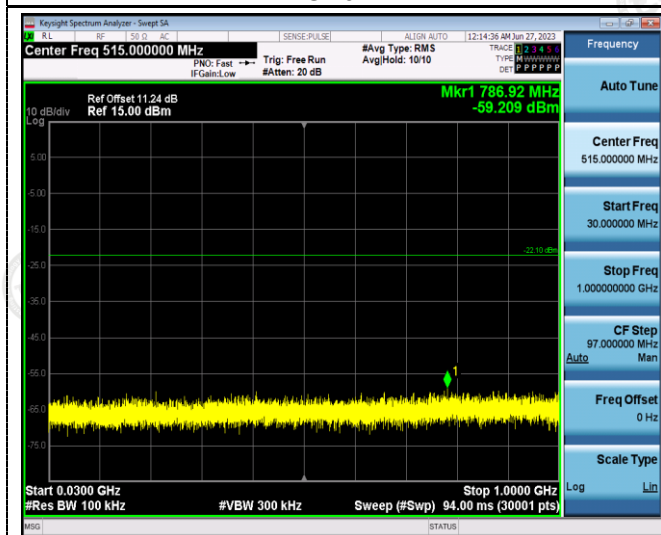


3GHz-25GHz



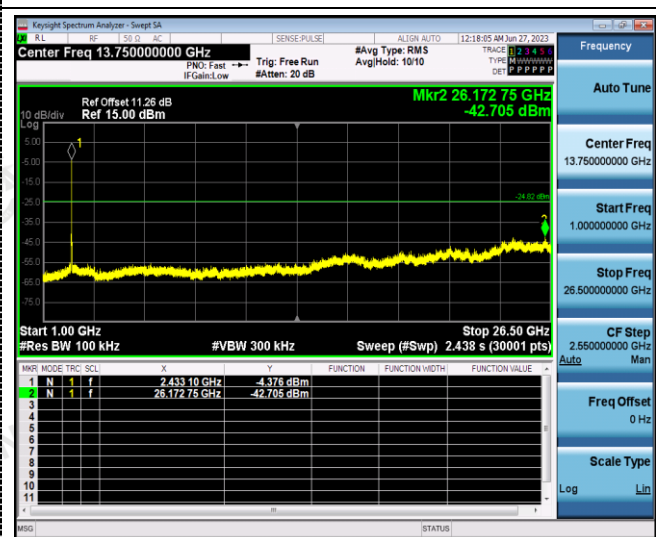
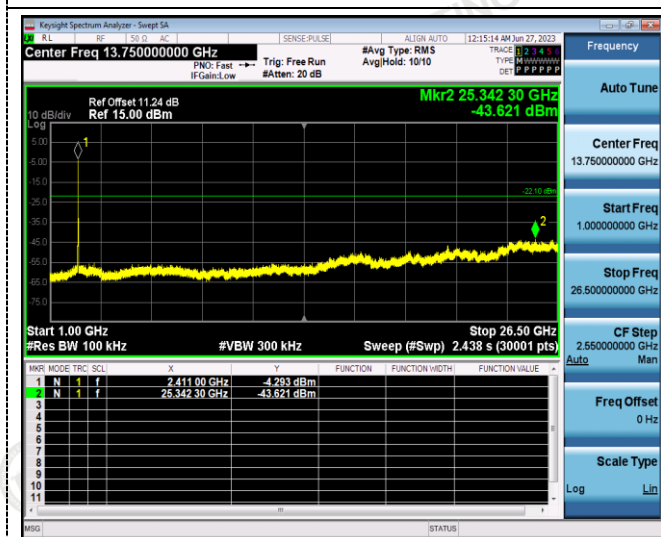
3GHz-25GHz

802.11n20

Reference
CH01Reference
CH06

30MHz-3GHz

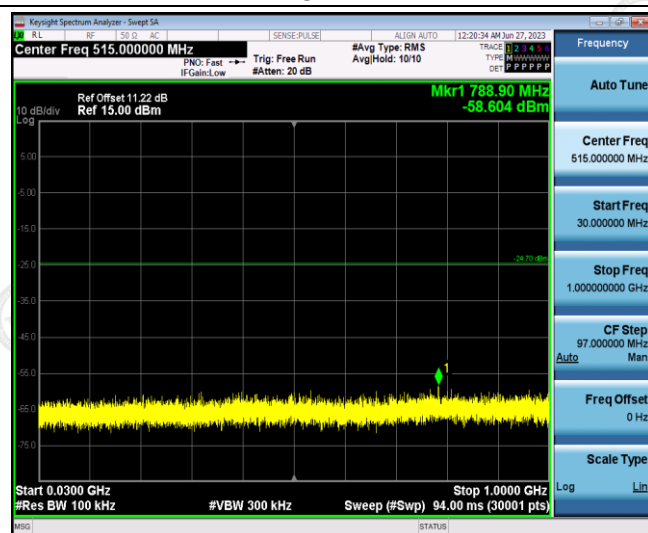
30MHz-3GHz



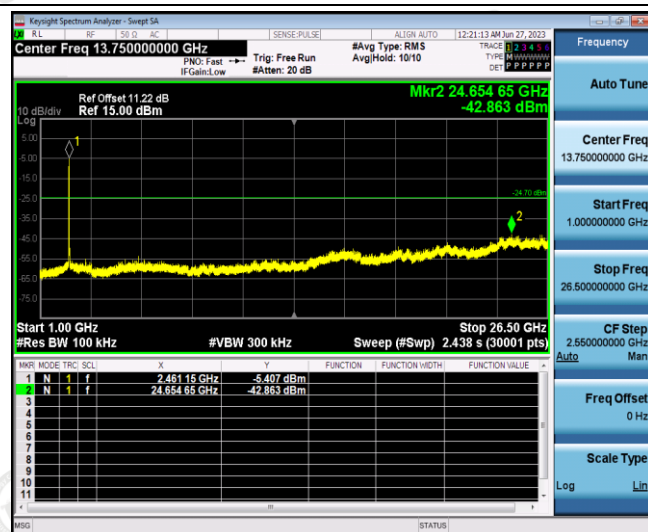
3GHz-25GHz

3GHz-25GHz

802.11n20

Reference
CH11

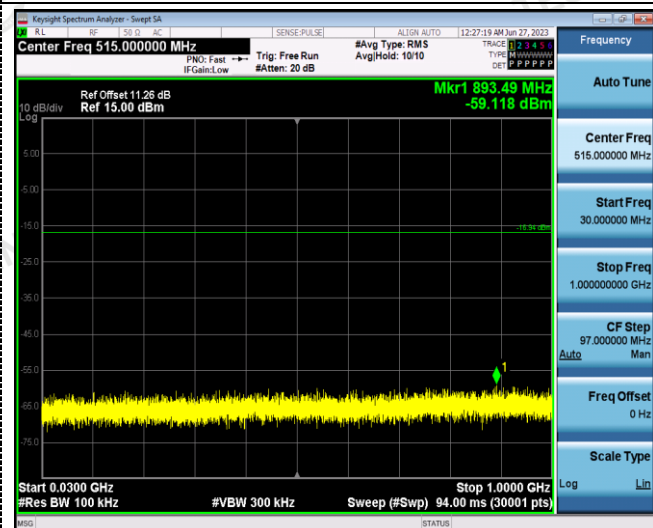
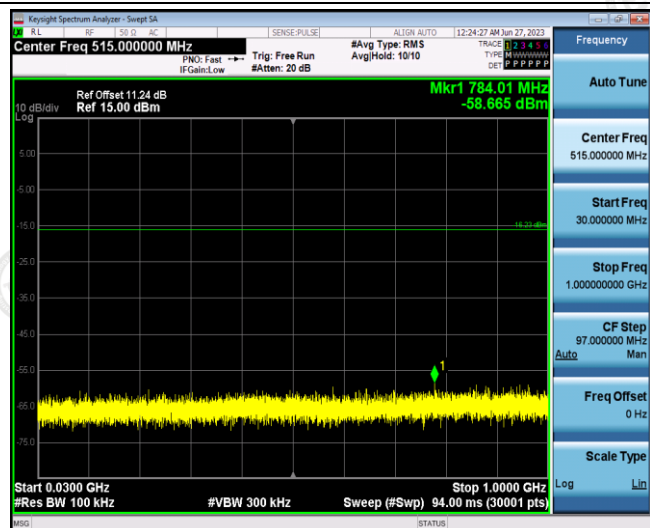
30MHz-3GHz



3GHz -25GHz

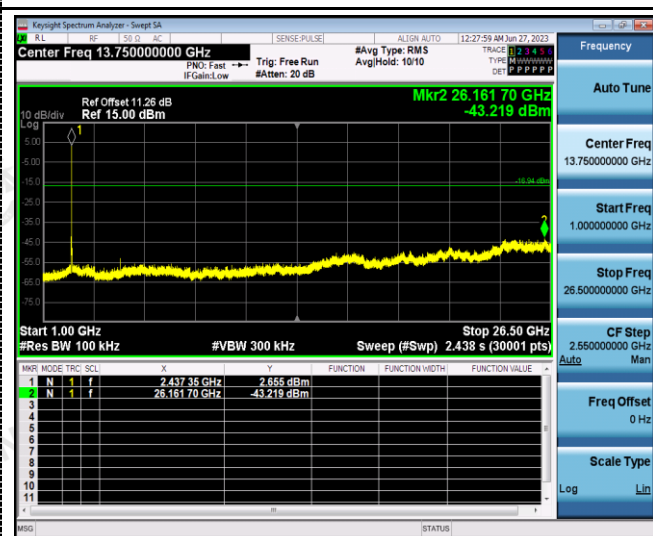
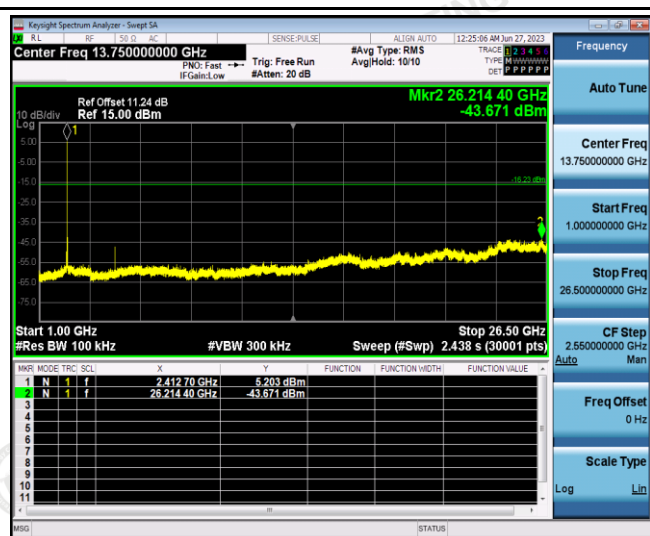
ANT 2:

802.11b

Reference
CH01Reference
CH06

30MHz-3GHz

30MHz-3GHz



3GHz-25GHz

3GHz-25GHz

