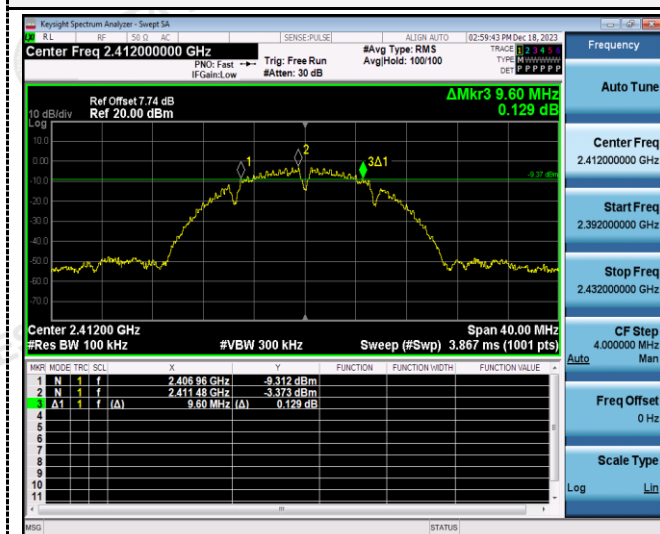


Ant2:

802.11b

802.11g



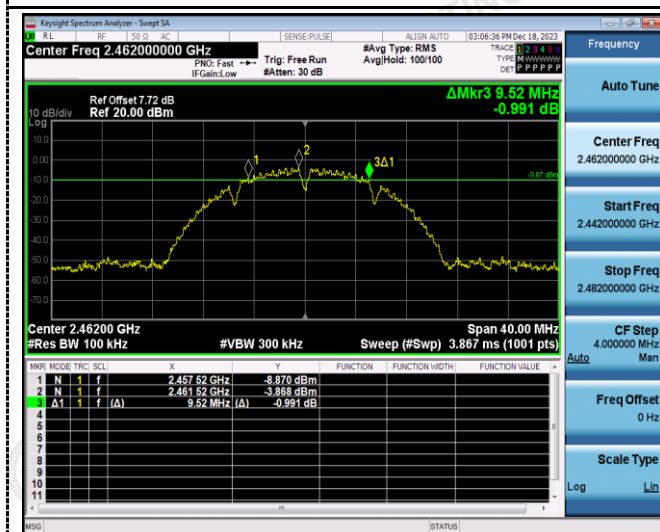
CH01

CH01



CH06

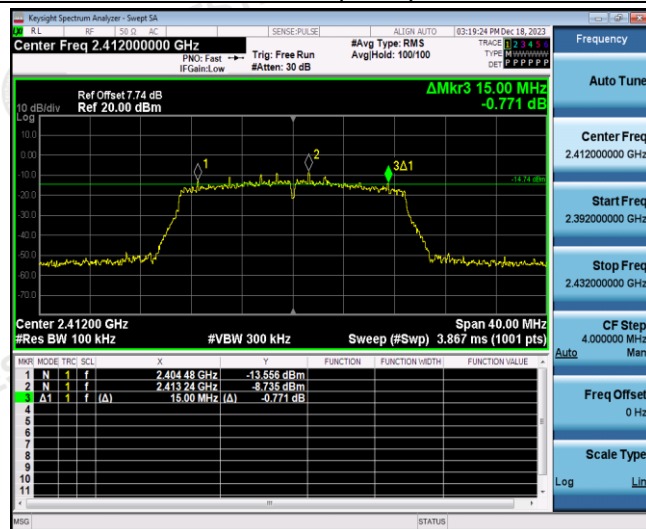
CH06



CH11

CH11

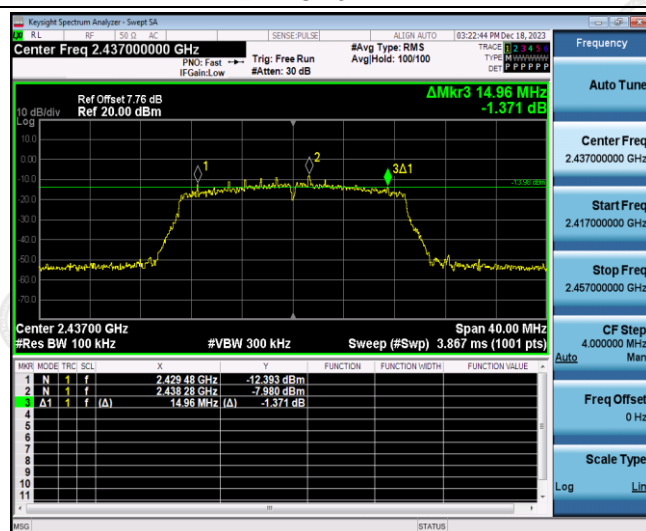
802.11n(HT20)



802.11n(HT40)

/

CH01



CH03

/

CH06



CH06

/

CH11

CH09

4.6 Out-of-band Emissions

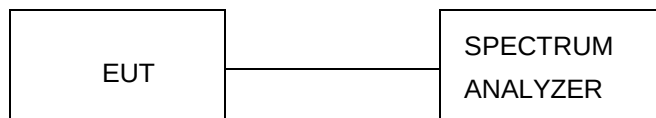
Limit

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

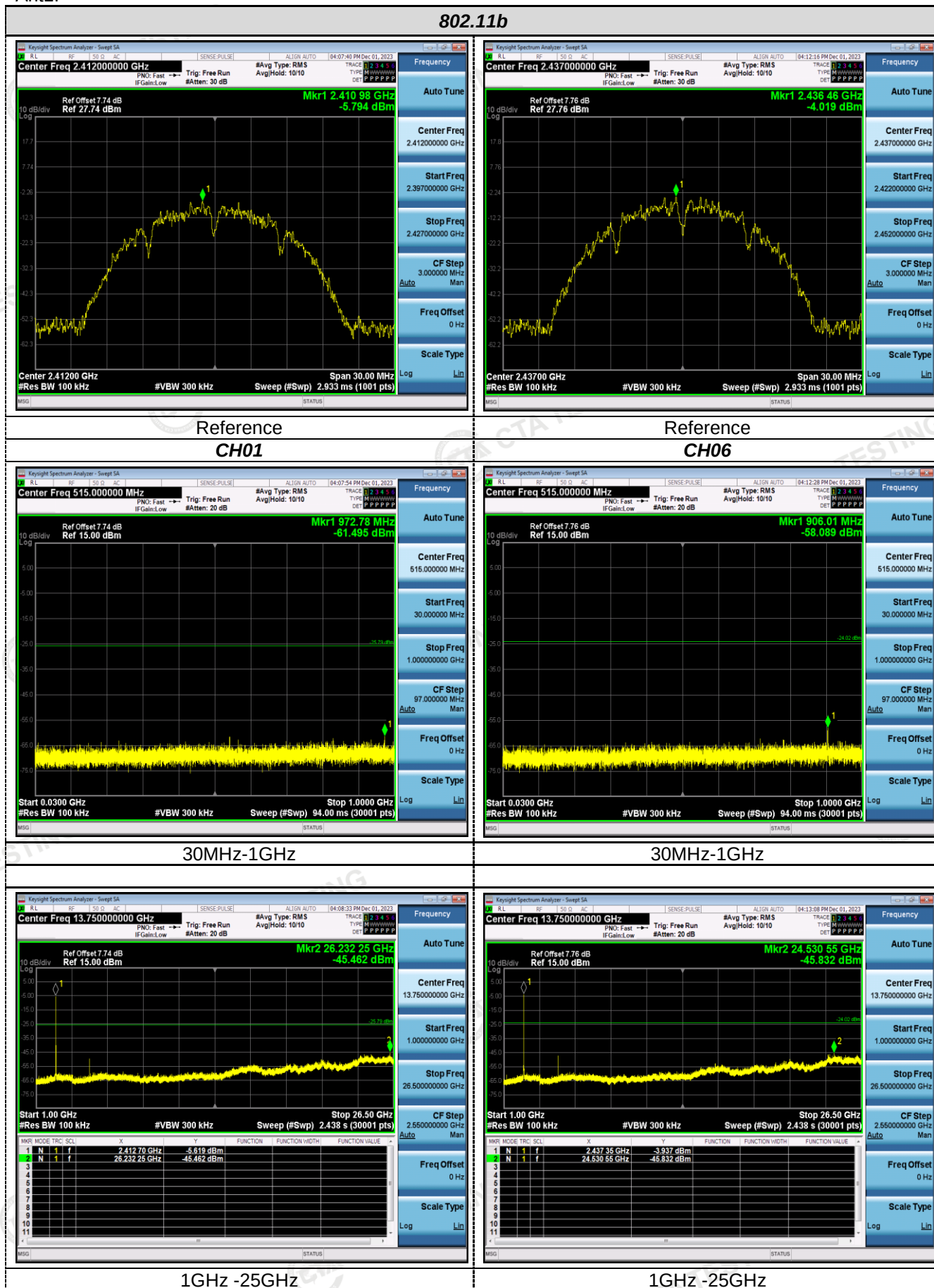


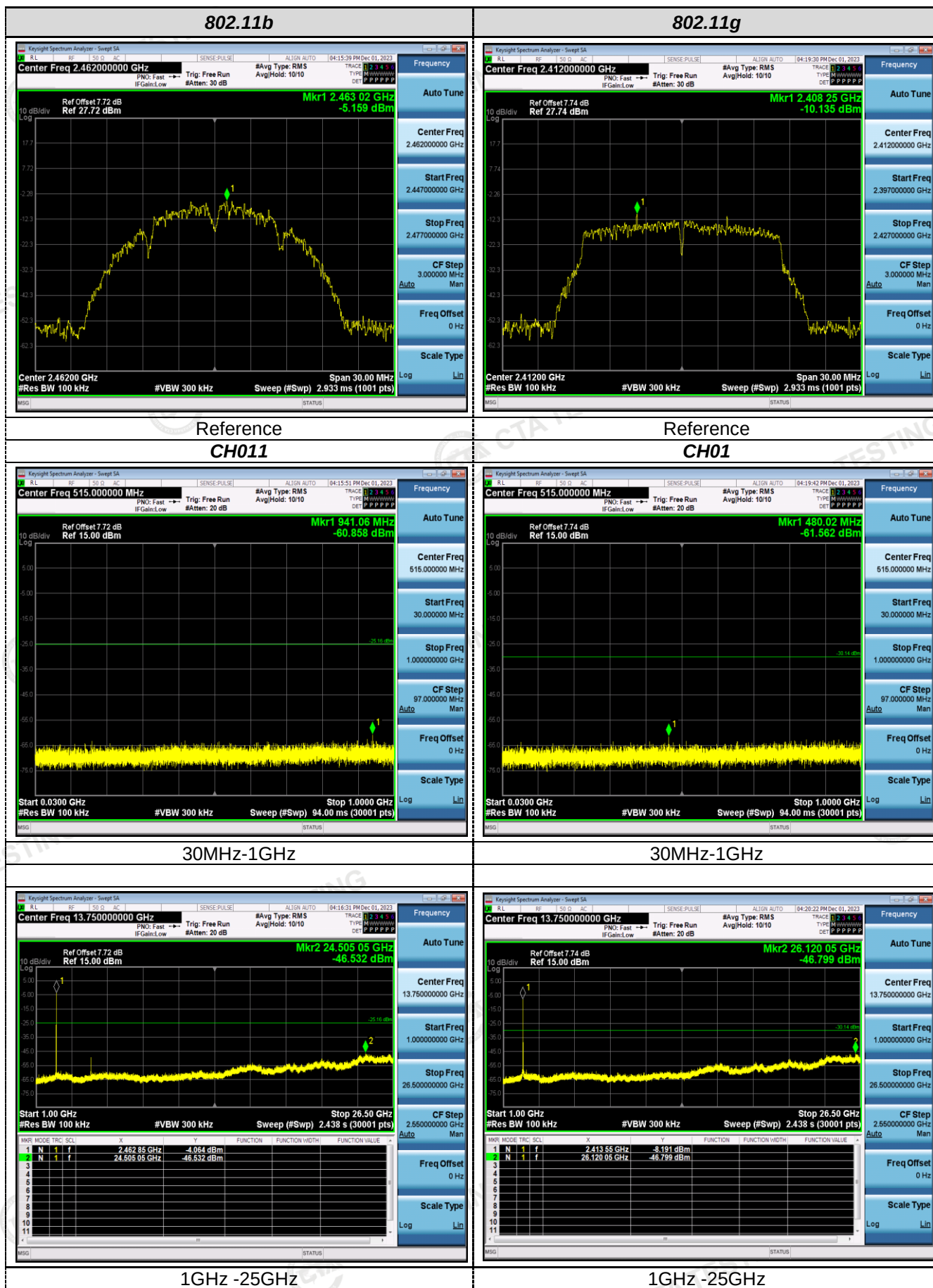
Test Results

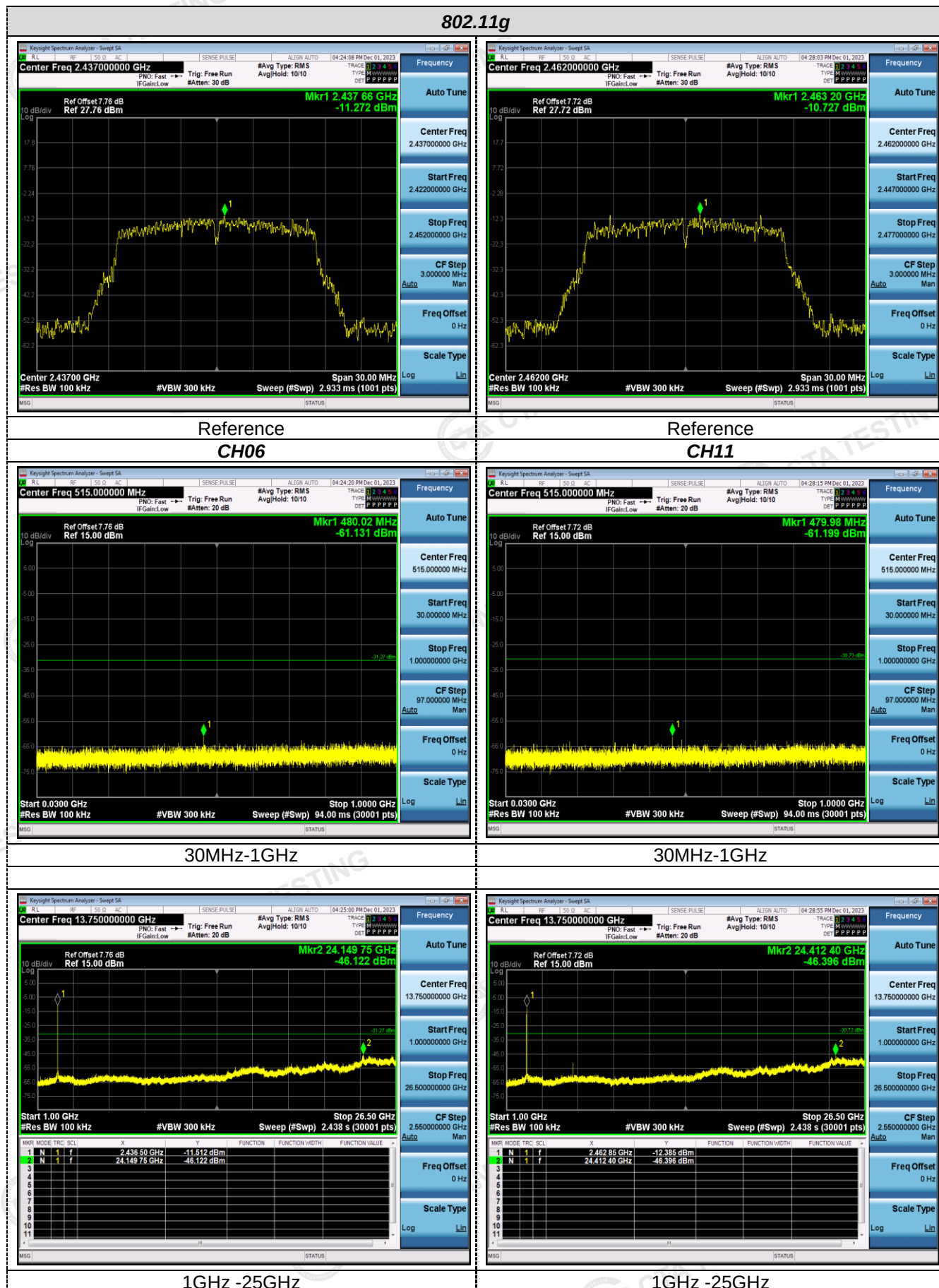
Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data. And record the worst data in the report.

Test plot as follows:

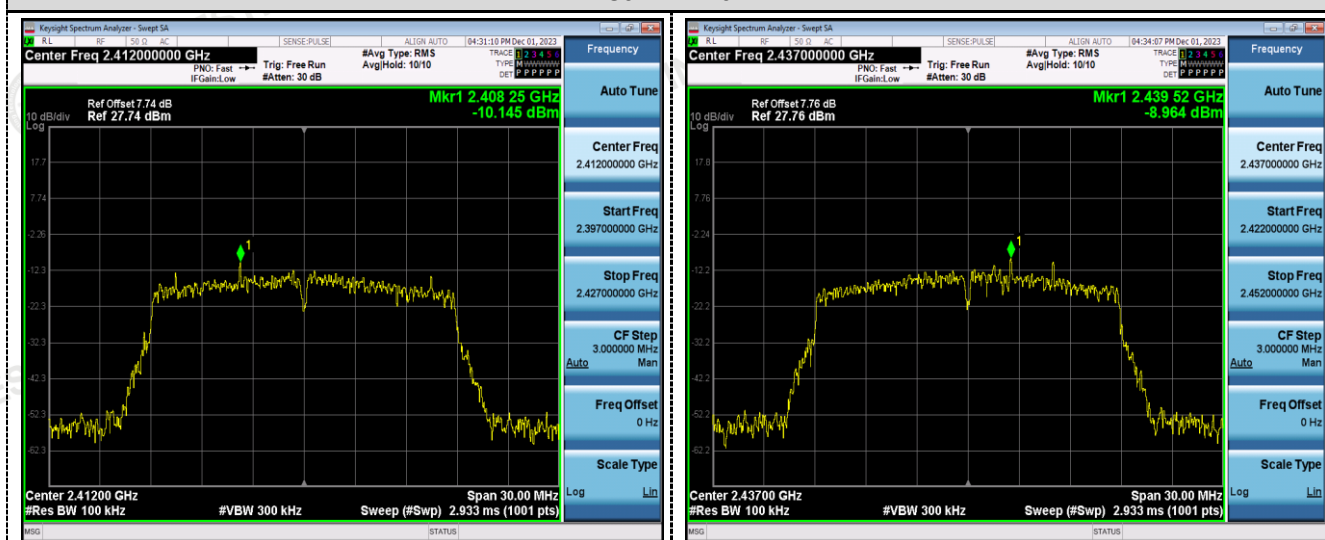
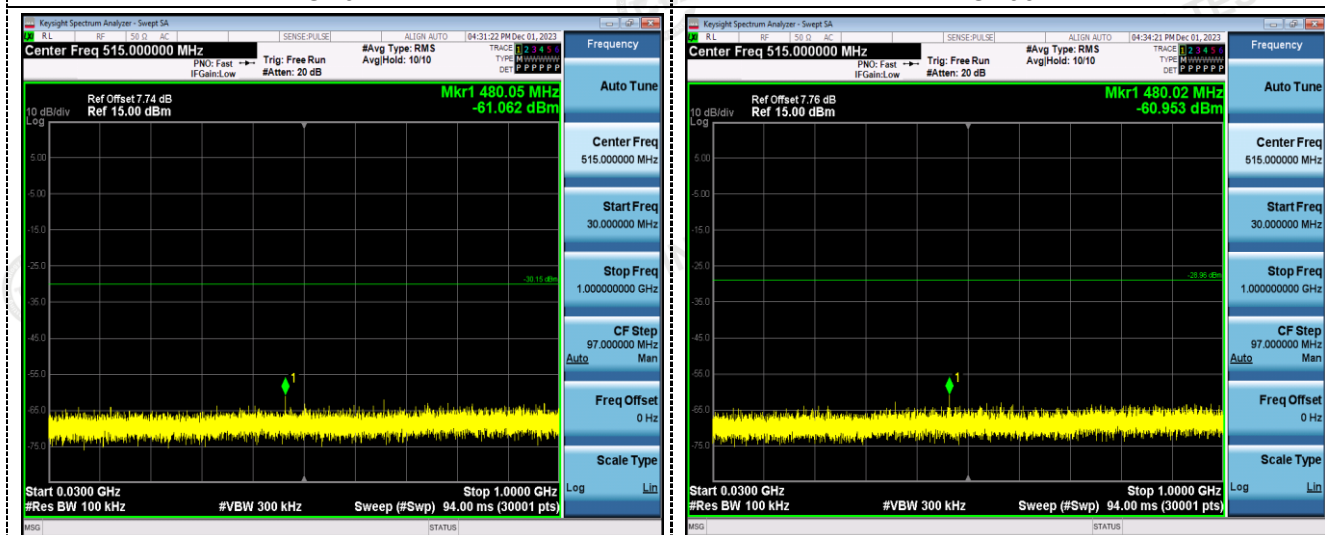
Ant1:





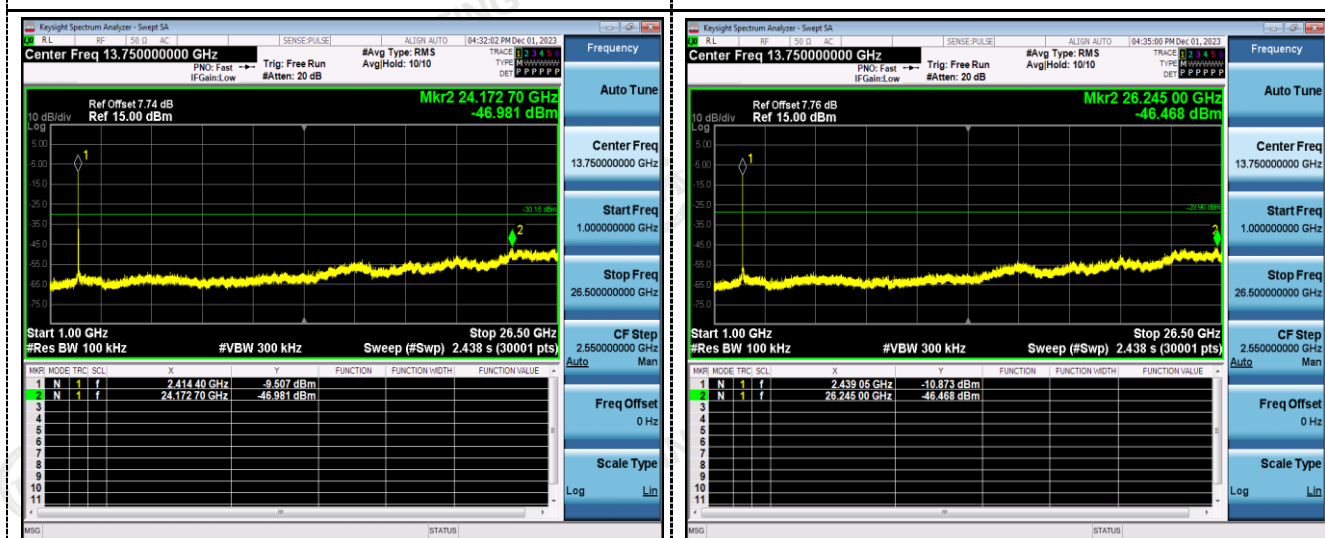


802.11n20

Reference
CH01Reference
CH06

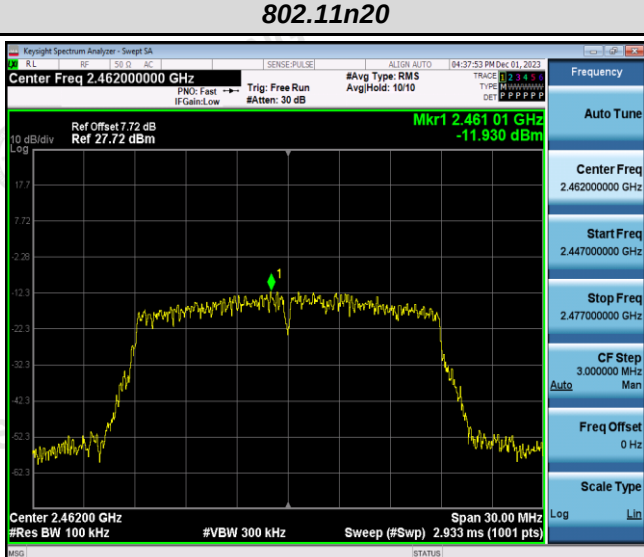
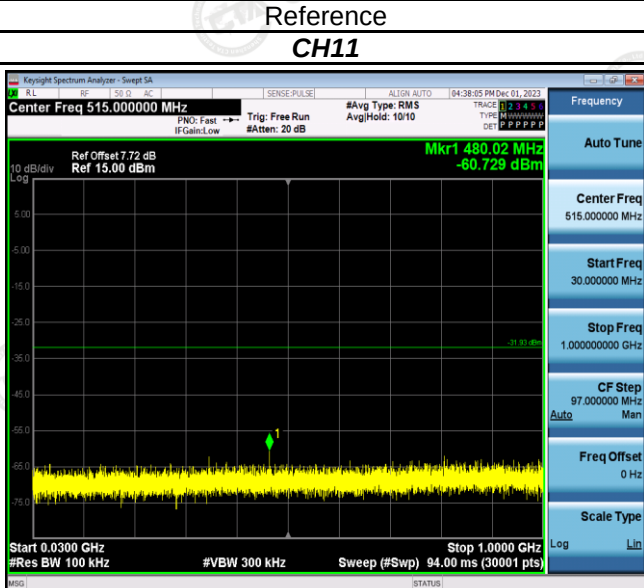
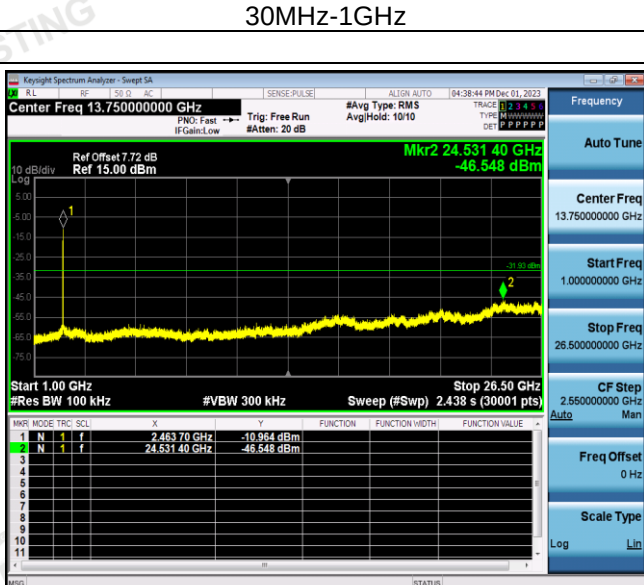
30MHz-1GHz

30MHz-1GHz



1GHz-25GHz

1GHz-25GHz

802.11n20	802.11n40
 Center Freq 2.46200000 GHz Ref Offset 7.72 dB Ref 27.72 dBm Mkr1 2.461 01 GHz -11.930 dBm Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep (#Swp) 2.933 ms (1001 pts) Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.44700000 GHz Stop Freq 2.47700000 GHz CF Step 3.000000 MHz Man Freq Offset 0 Hz Scale Type Log	Reference CH11
 Center Freq 515.000000 MHz Ref Offset 7.72 dB Ref 15.00 dBm Mkr1 480.02 MHz -60.729 dBm Start 0.0300 GHz #Res BW 100 kHz #VBW 300 kHz Sweep (#Swp) 94.00 ms (30001 pts) Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.00000000 GHz CF Step 97.000000 MHz Man Freq Offset 0 Hz Scale Type Log	Reference CH03
30MHz-1GHz	30MHz-1GHz
 Center Freq 13.75000000 GHz Ref Offset 7.72 dB Ref 15.00 dBm Mkr2 24.531 40 GHz -46.548 dBm Start 1.00 GHz #Res BW 100 kHz #VBW 300 kHz Sweep (#Swp) 2.438 s (30001 pts) Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz Man Freq Offset 0 Hz Scale Type Log	1GHz -25GHz
1GHz -25GHz	1GHz -25GHz

Ant2:

