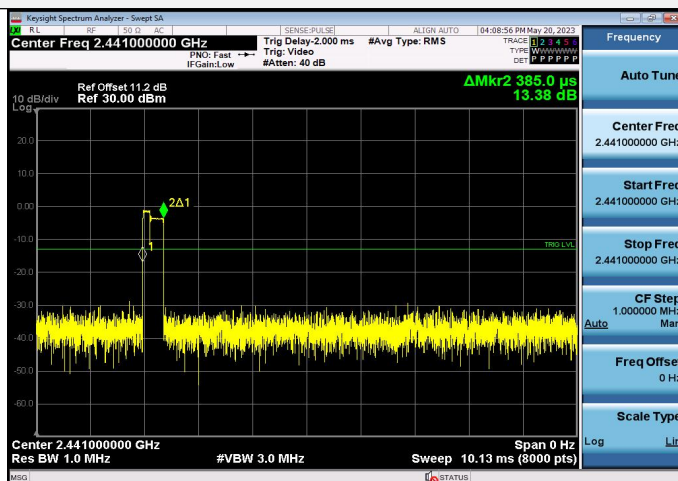
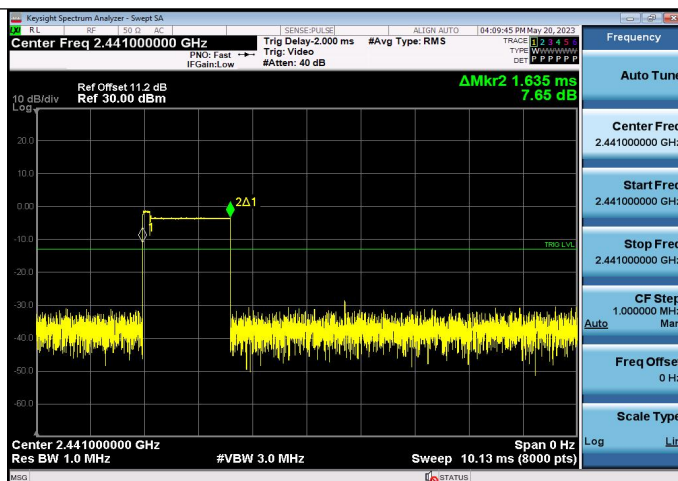


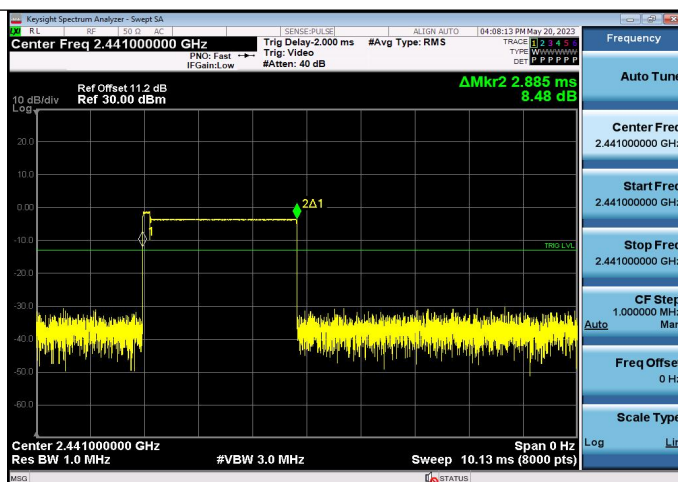
8DPSK Modulation



3-DH1 burst time



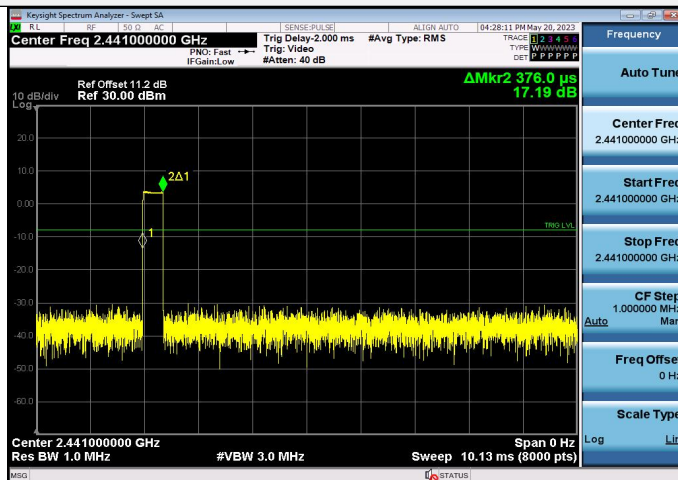
3-DH3 burst time



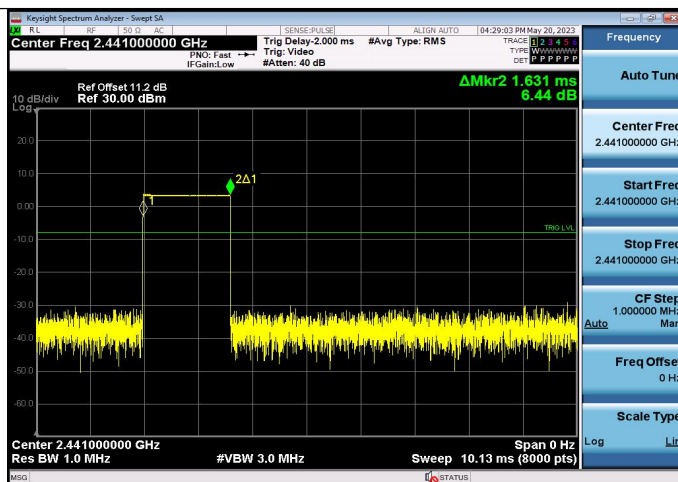
3-DH5 burst time

Right ear

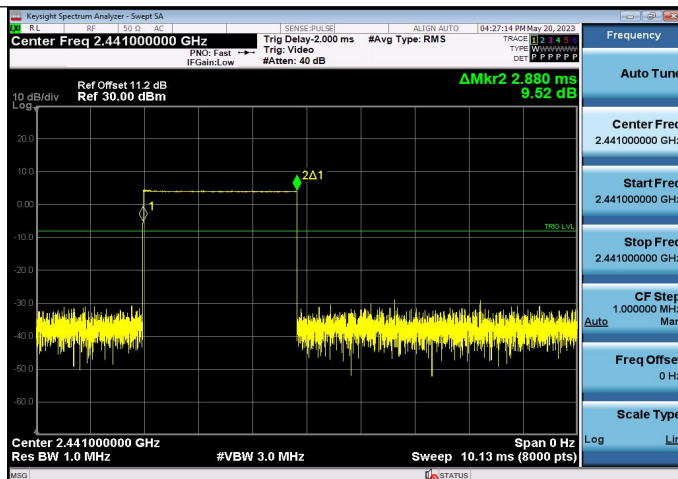
GFSK Modulation



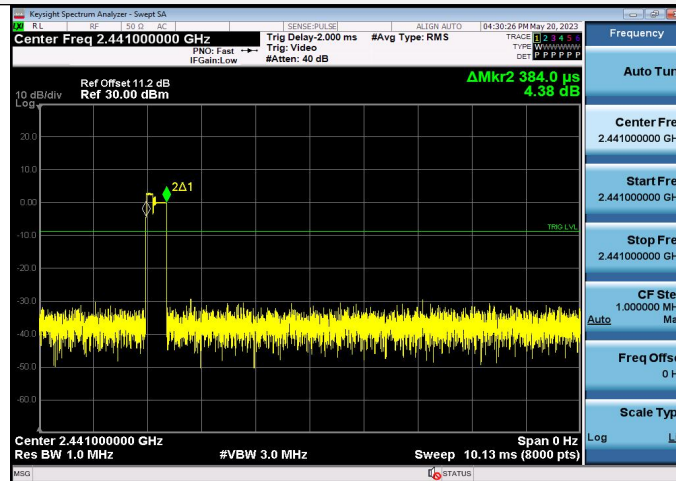
DH1 burst time



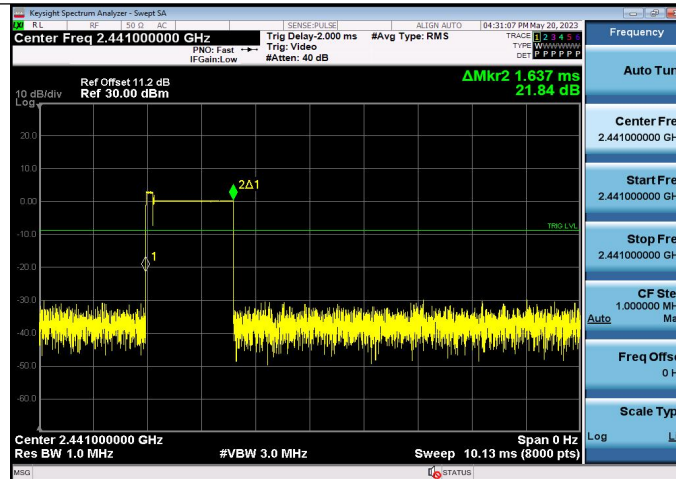
DH3 burst time



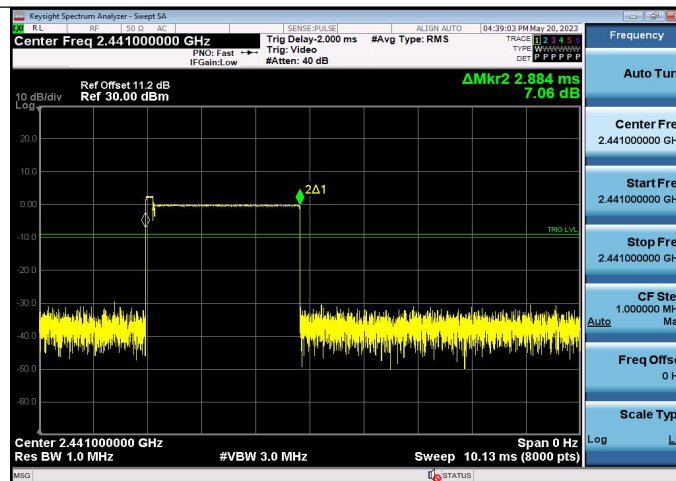
DH5 burst time

$\pi/4$ DQPSK Modulation

2-DH1 burst time

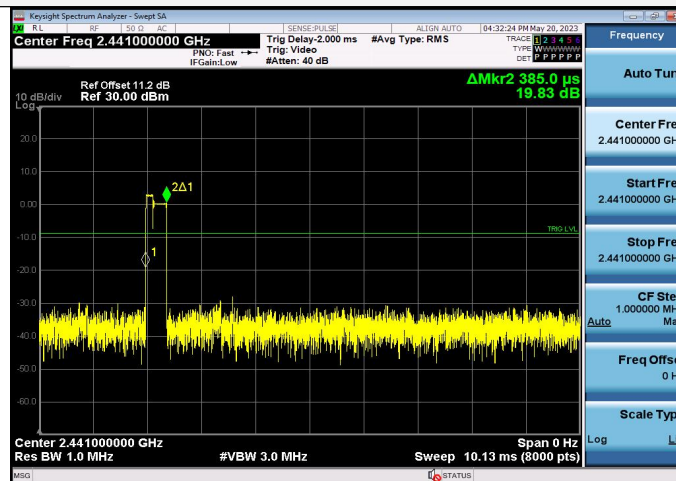


2-DH3 burst time

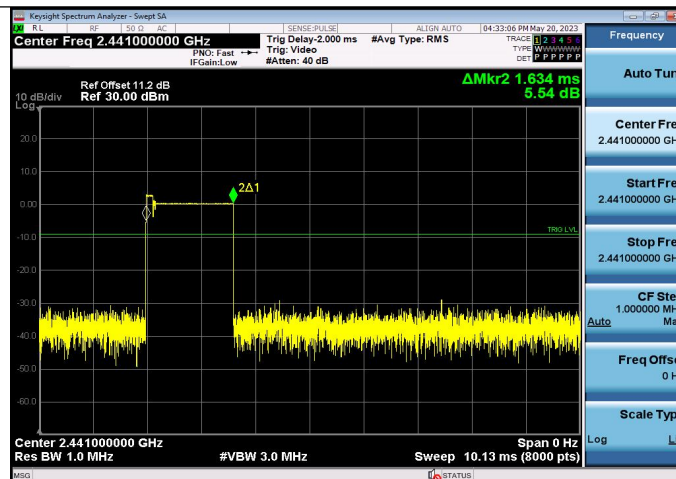


2-DH5 burst time

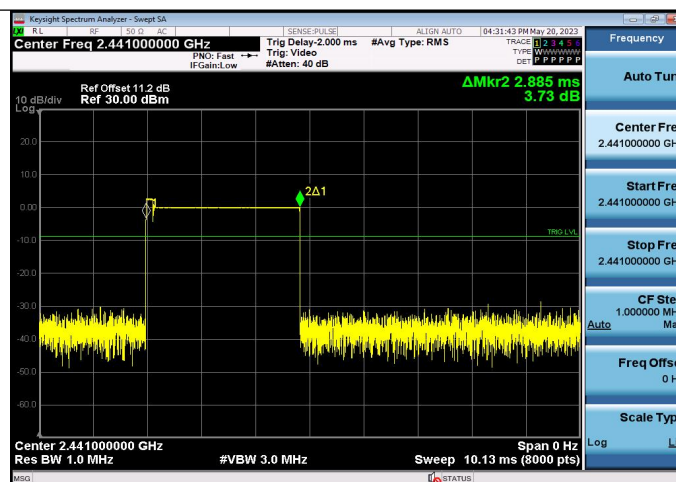
8DPSK Modulation



3-DH1 burst time



3-DH3 burst time



3-DH5 burst time

4.8 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, bandedge 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 bandedge measurement data.

We measured all conditions (DH1, DH3, DH5) and recorded worst case at DH5.

Test plot as follows:

Left ear

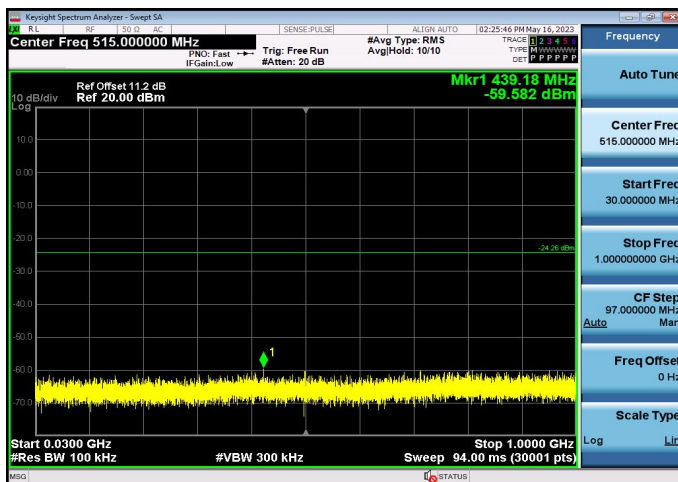
GFSK(CH00)



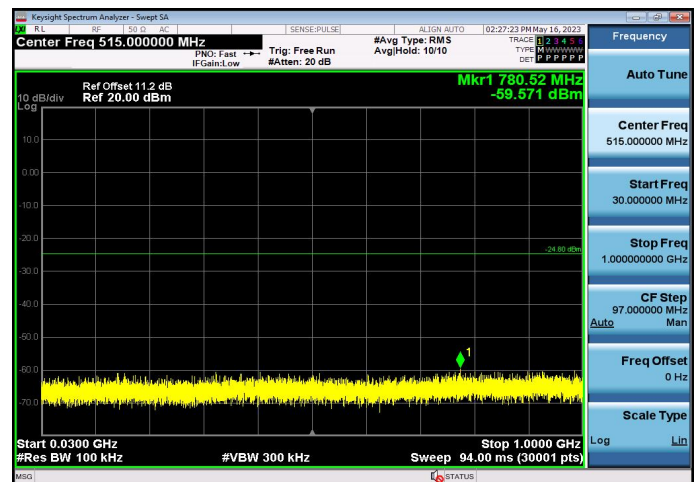
GFSK(CH39)



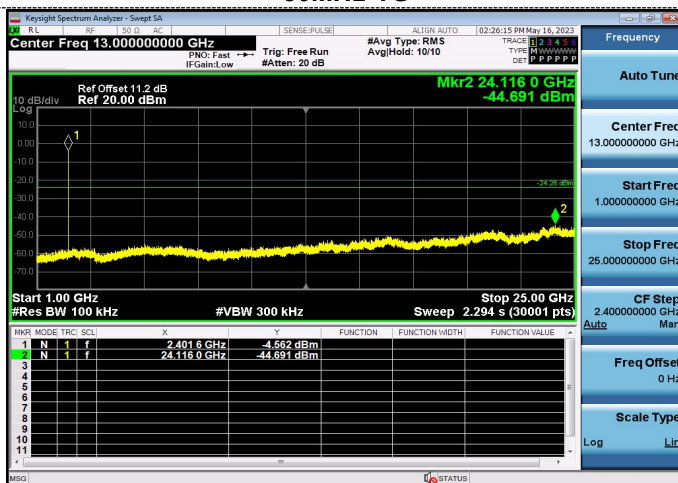
reference



reference



30MHz-1G



30MHz-1G



1G-25G

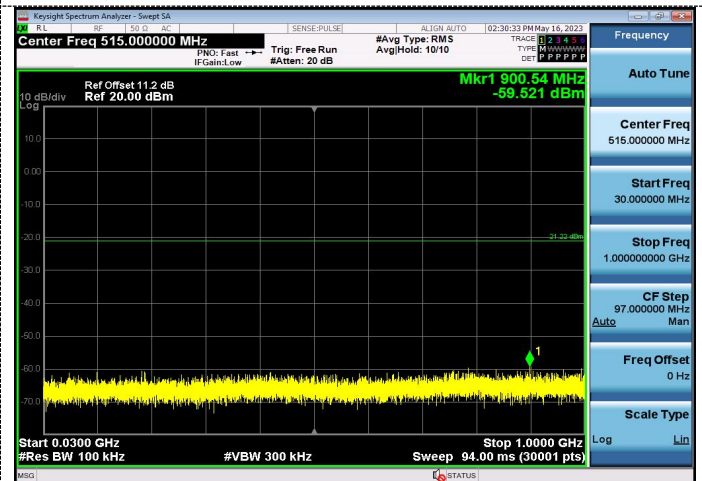
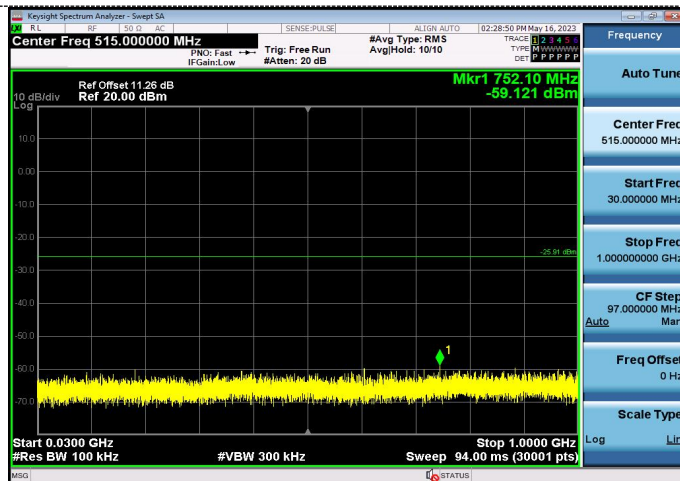
1G-25G

GFSK(CH78)

 $\pi/4$ DQPSK (CH00)

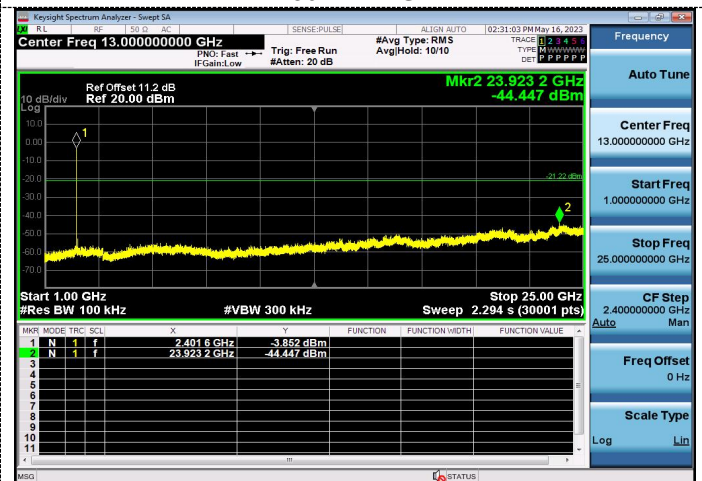
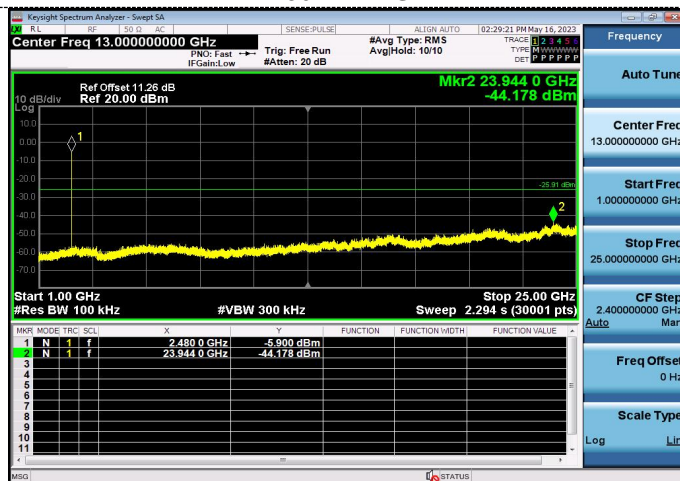
reference

reference



30MHz-1G

30MHz-1G



1G-25G

1G-25G

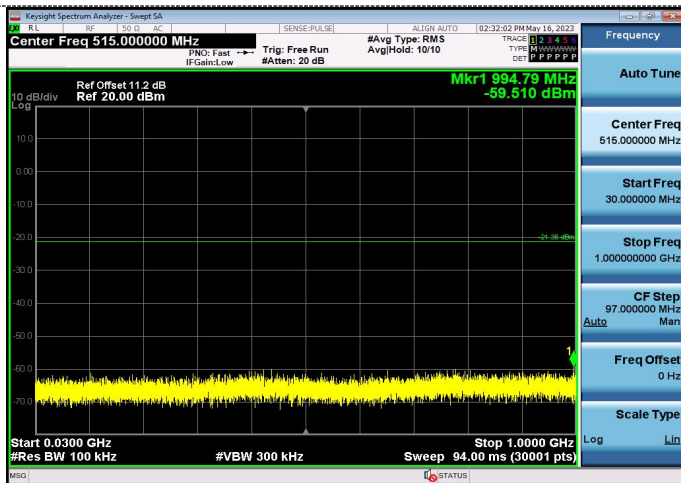
$\pi/4$ DQPSK (CH39)



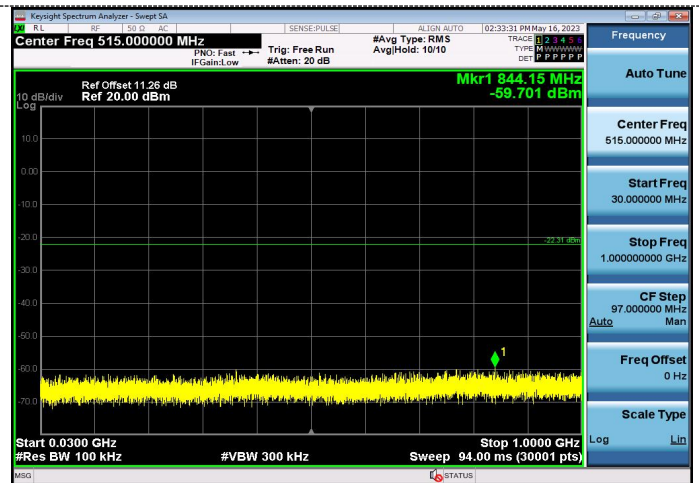
$\pi/4$ DQPSK (CH78)



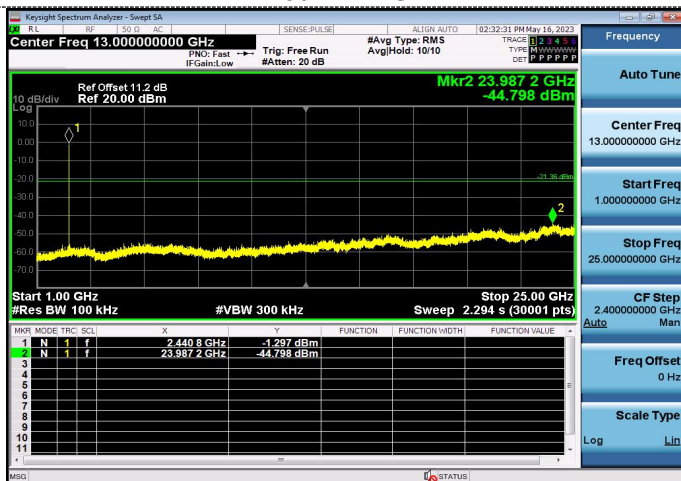
reference



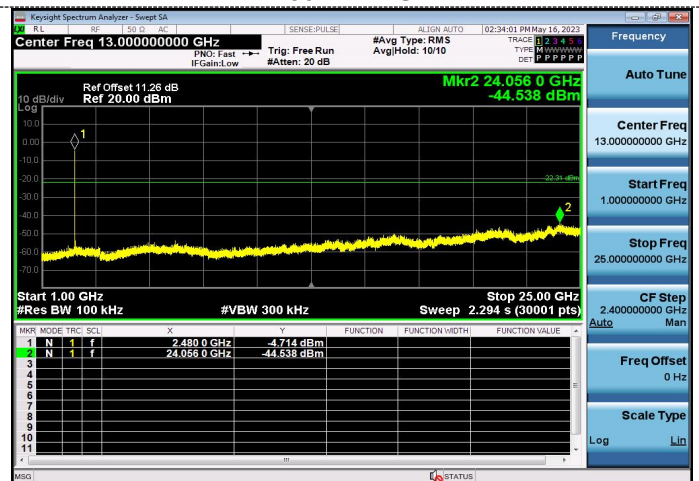
reference



30MHz-1G



30MHz-1G



1G-25G

1G-25G

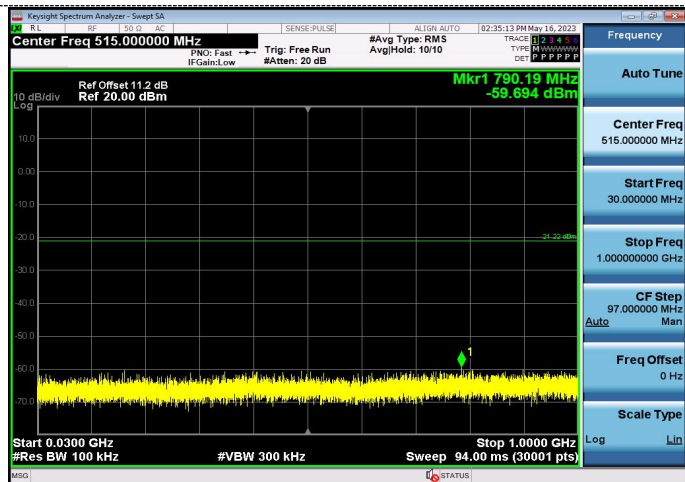
8DPSK (CH00)



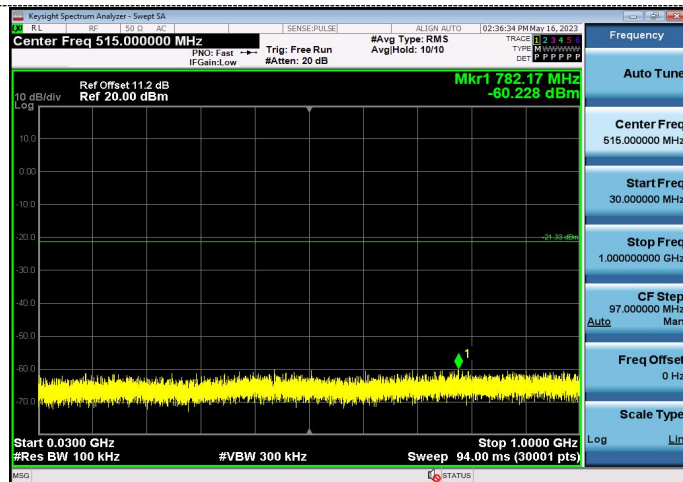
8DPSK (CH39)



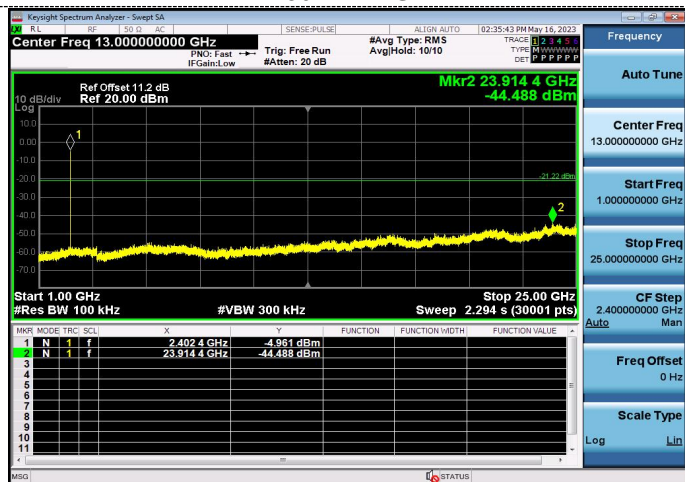
reference



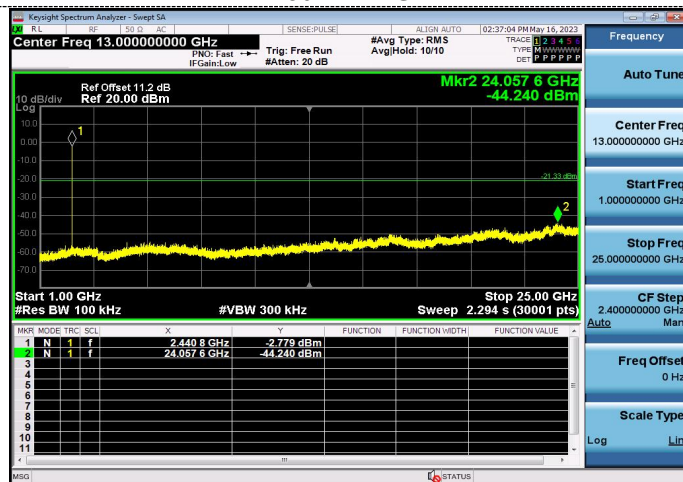
reference



30MHz-1G

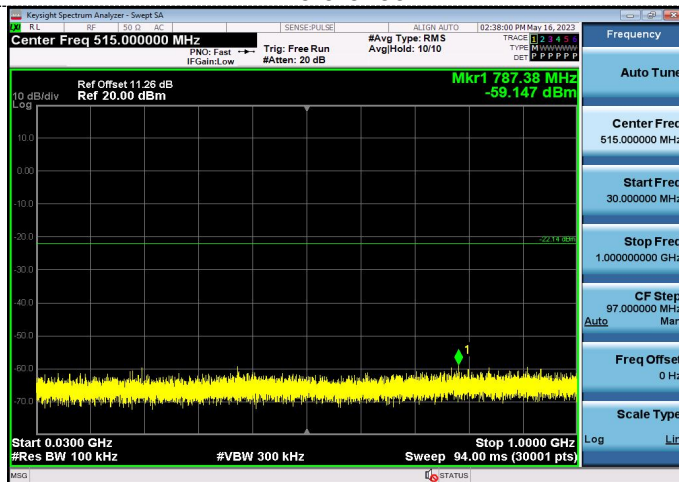
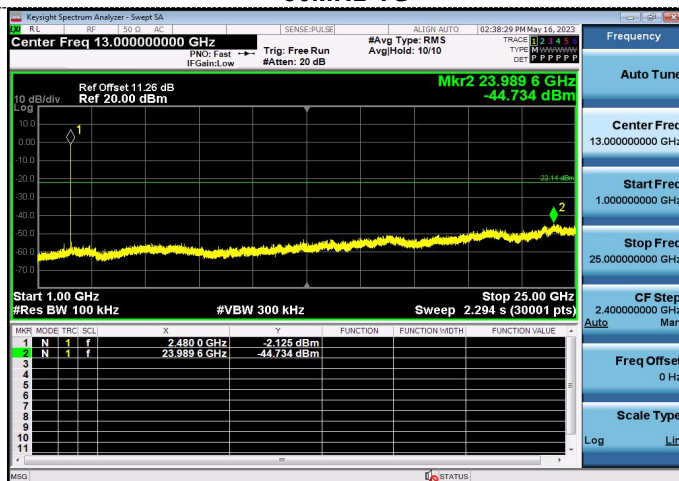


30MHz-1G



1G-25G

1G-25G

8DPSK (CH78)**reference****30MHz-1G****1G-25G**