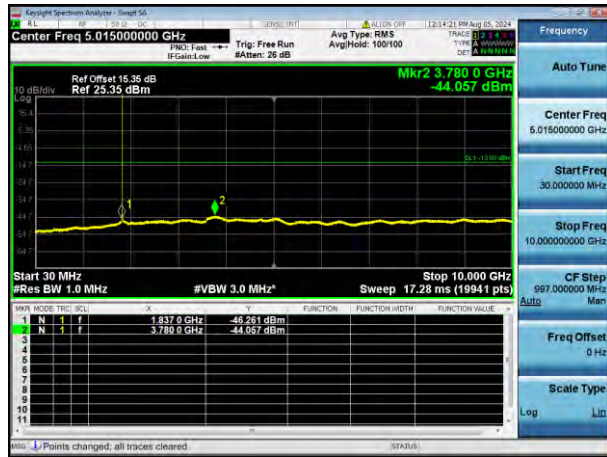


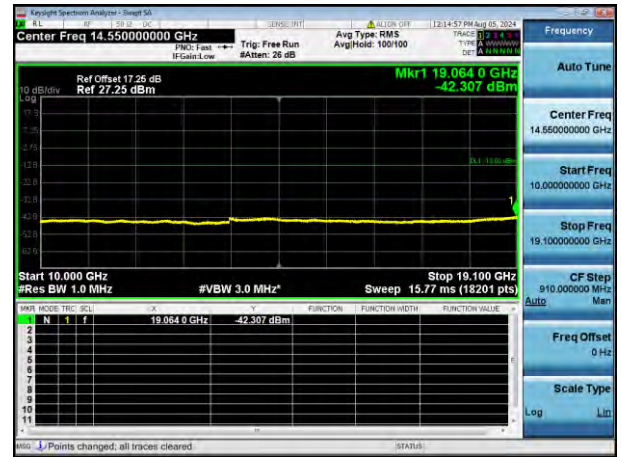
LTE Cat NB Appendix-CSE

LTE FDD Band 2, SCS: 3.75KHz

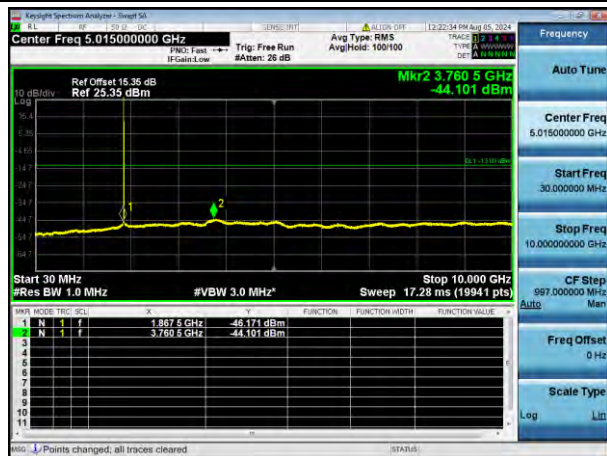
QPSK Low channel-30MHz~10GHz



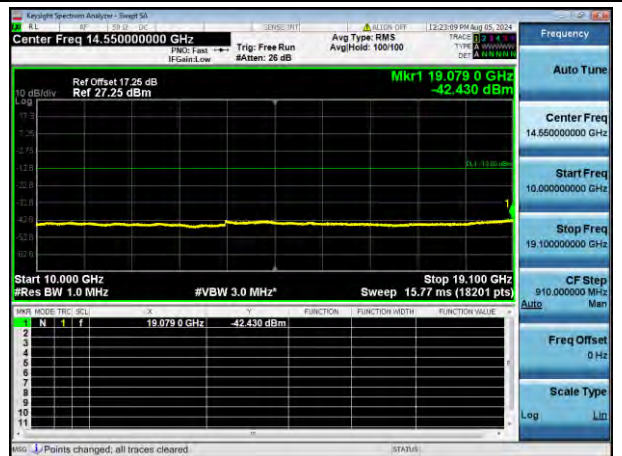
QPSK Low channel-10GHz~20GHz



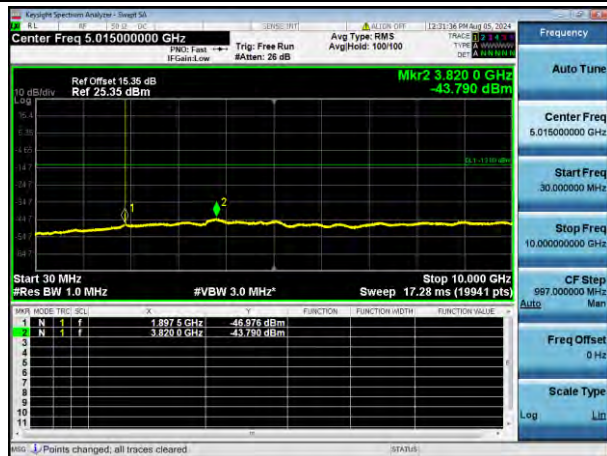
QPSK Middle channel-30MHz~10GHz



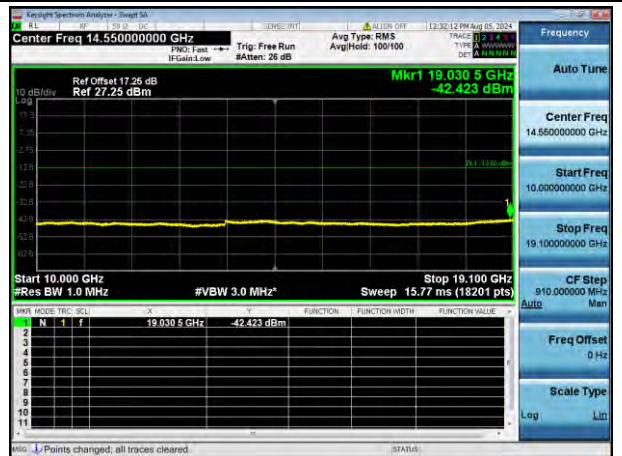
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

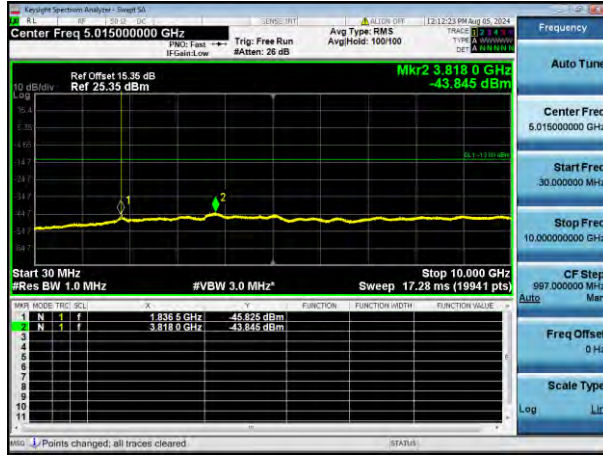


QPSK High channel-10GHz~20GHz

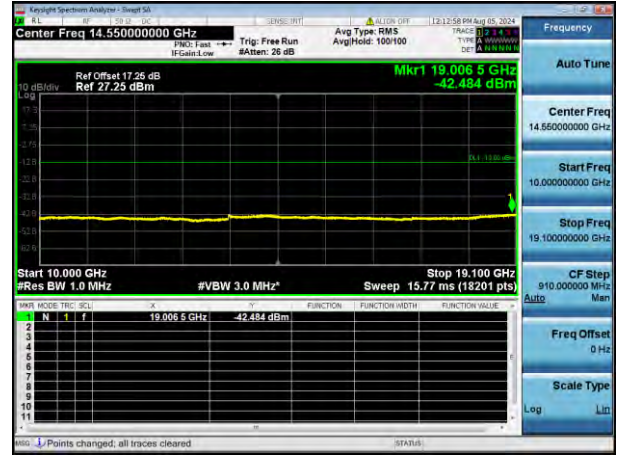


LTE FDD Band 2, SCS: 3.75KHz

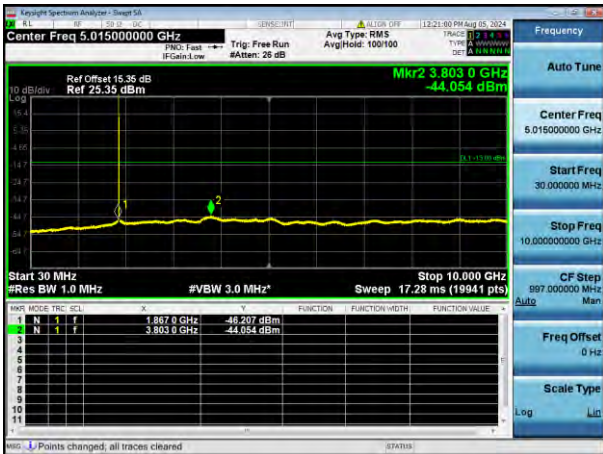
BPSK Low channel-30MHz~10GHz



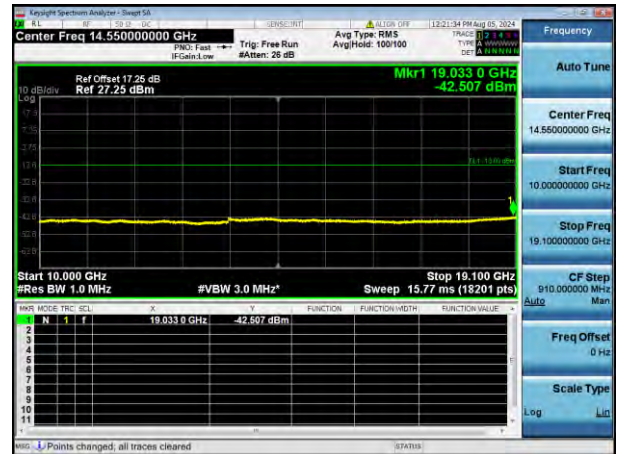
BPSK Low channel-10GHz~20GHz



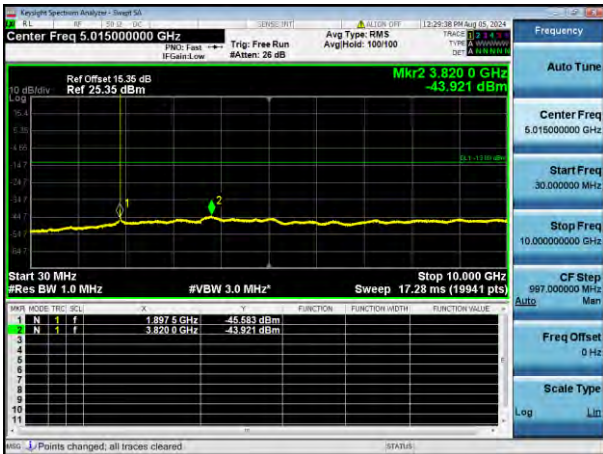
BPSK Middle channel-30MHz~10GHz



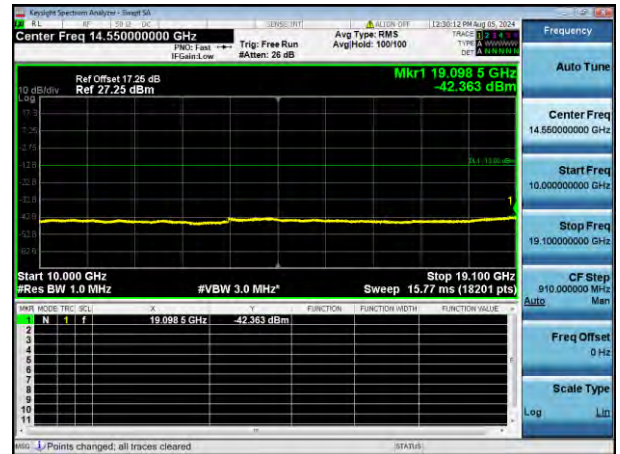
BPSK Middle channel-10GHz~20GHz



BPSK High channel-30MHz~10GHz

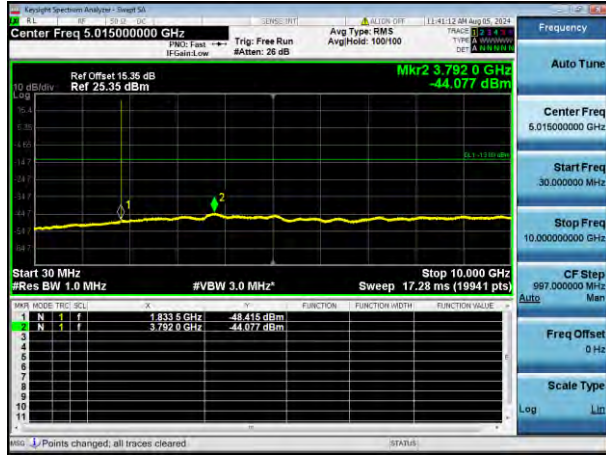


BPSK High channel-10GHz~20GHz

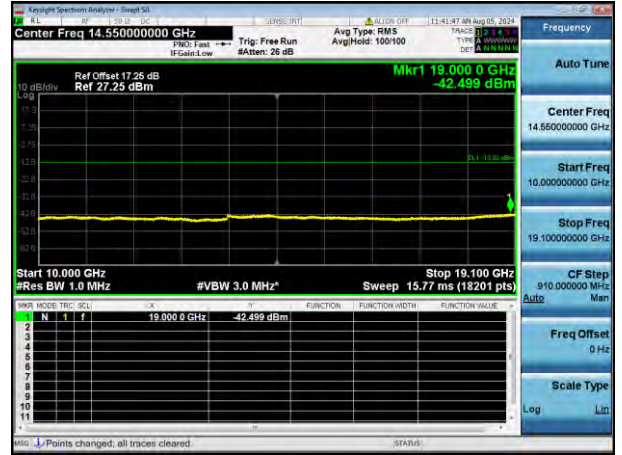


LTE FDD Band 2, SCS: 15KHz

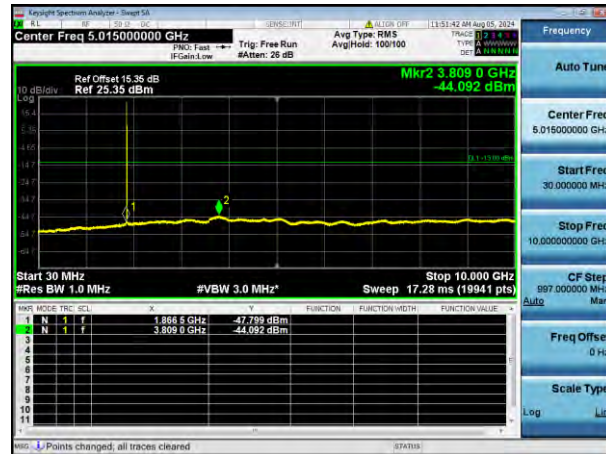
QPSK Low channel-30MHz~10GHz



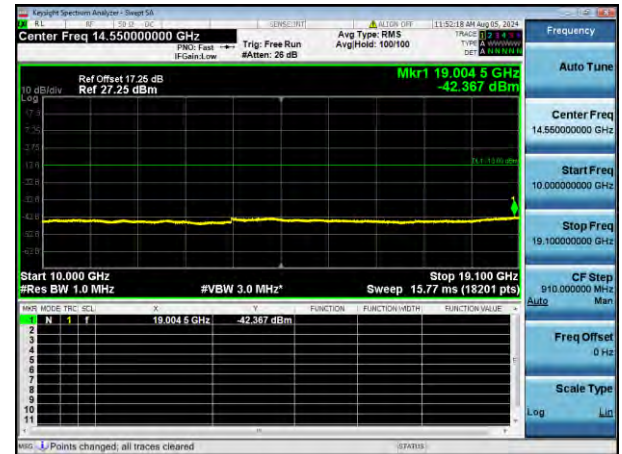
QPSK Low channel-10GHz~20GHz



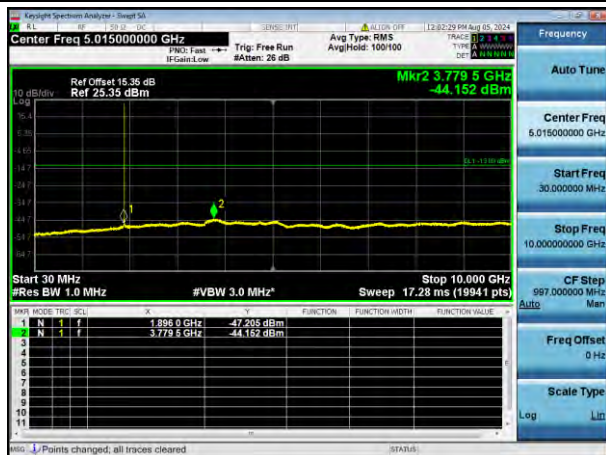
QPSK Middle channel-30MHz~10GHz



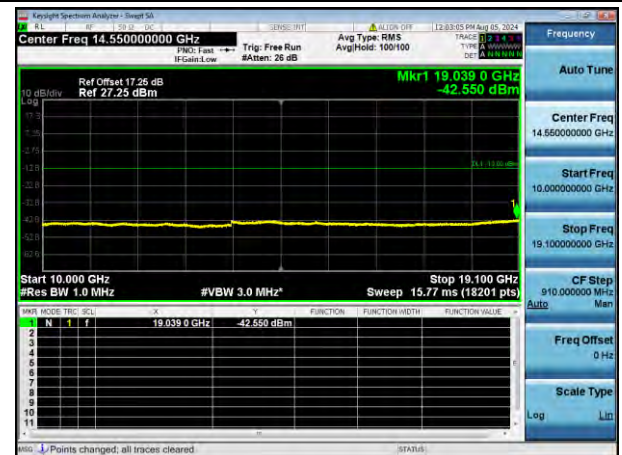
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

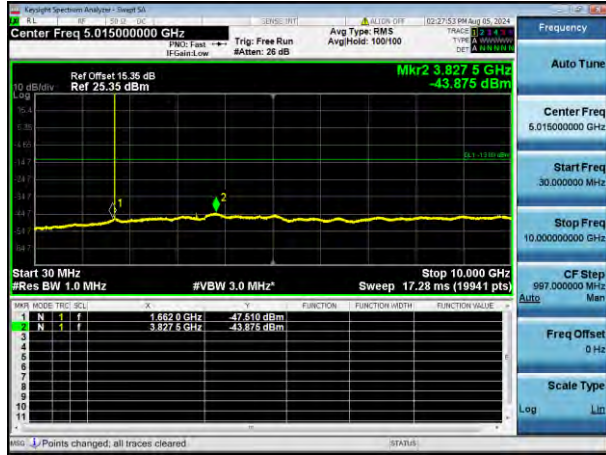


QPSK High channel-10GHz~20GHz

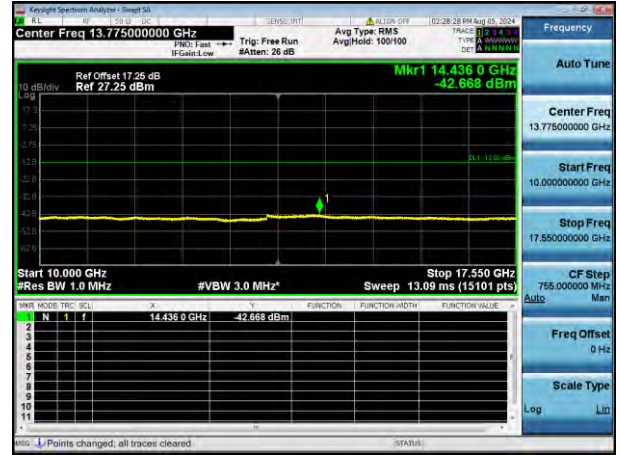


LTE FDD Band 4, SCS: 3.75KHz

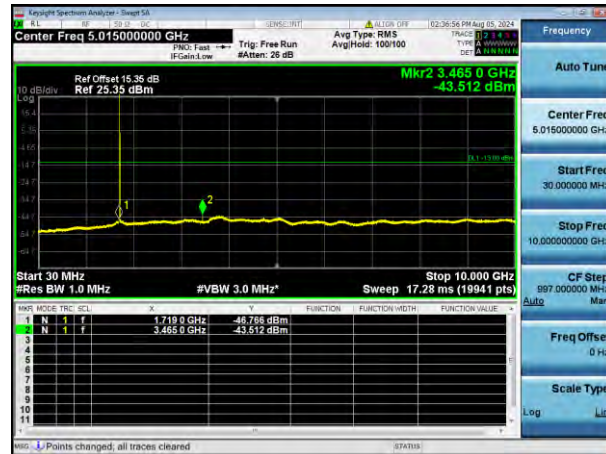
QPSK Low channel-30MHz~10GHz



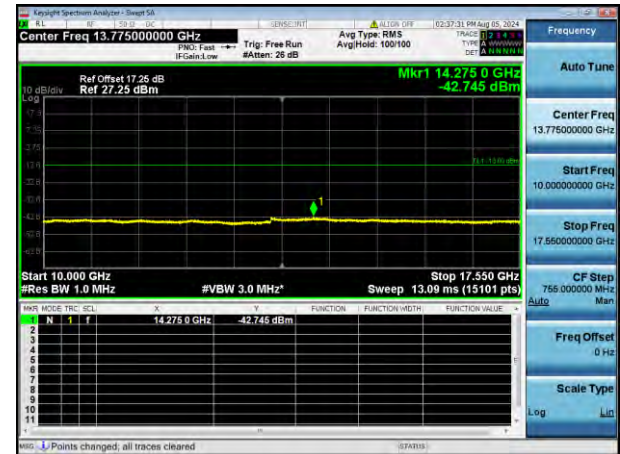
QPSK Low channel-10GHz~20GHz



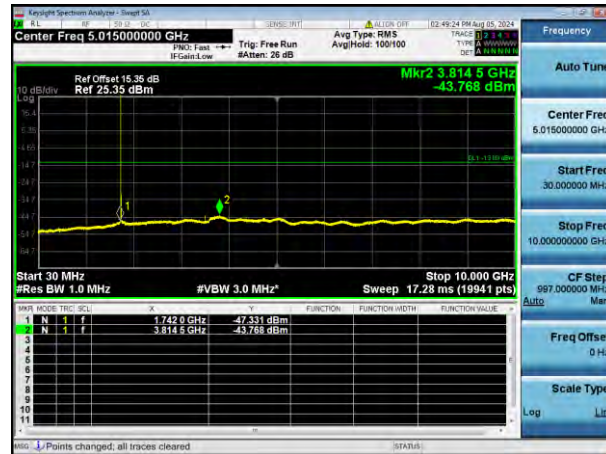
QPSK Middle channel-30MHz~10GHz



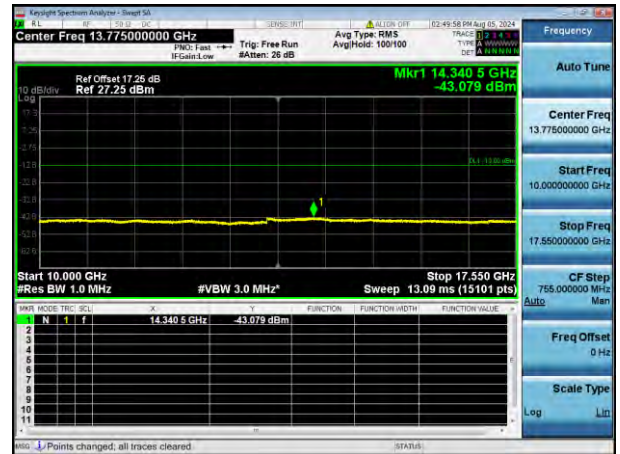
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

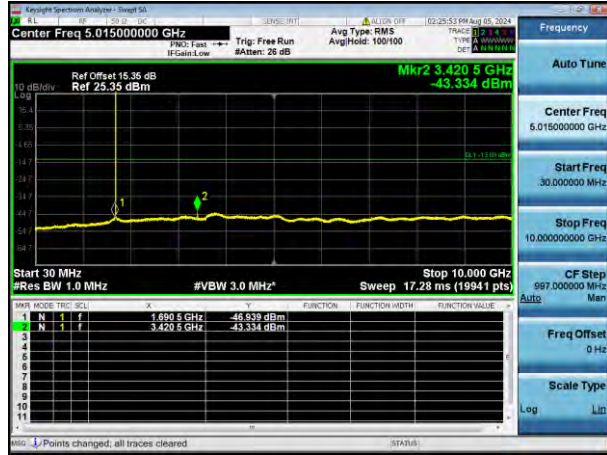


QPSK High channel-10GHz~20GHz

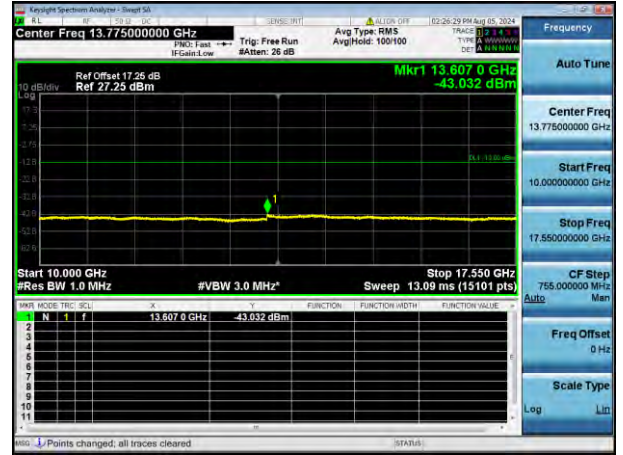


LTE FDD Band 4, SCS: 3.75KHz

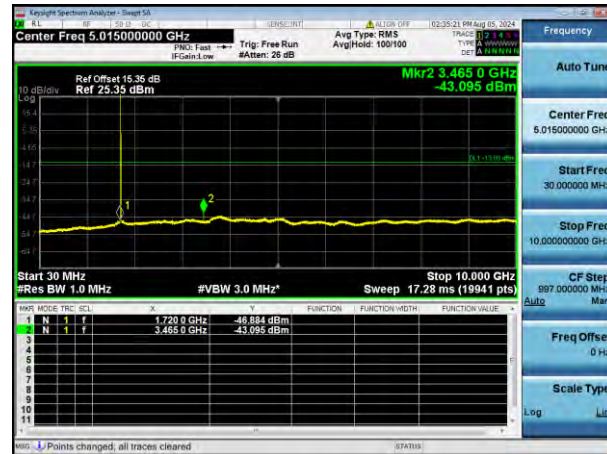
BPSK Low channel-30MHz~10GHz



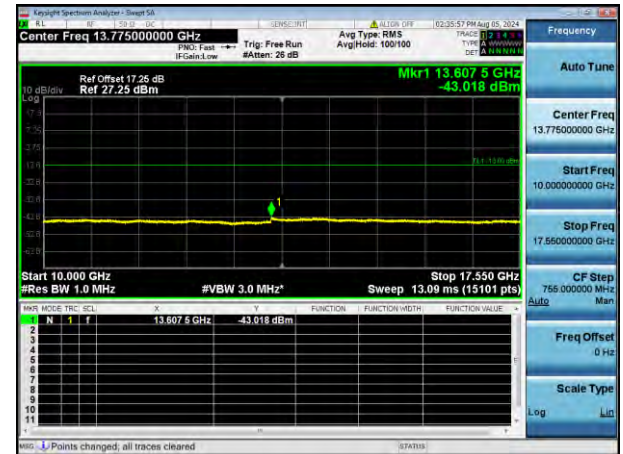
BPSK Low channel-10GHz~20GHz



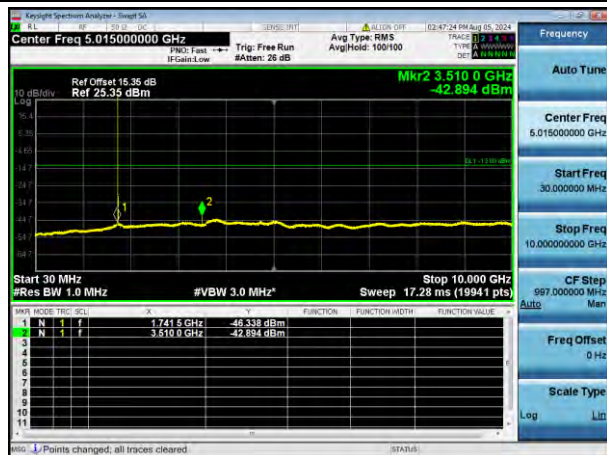
BPSK Middle channel-30MHz~10GHz



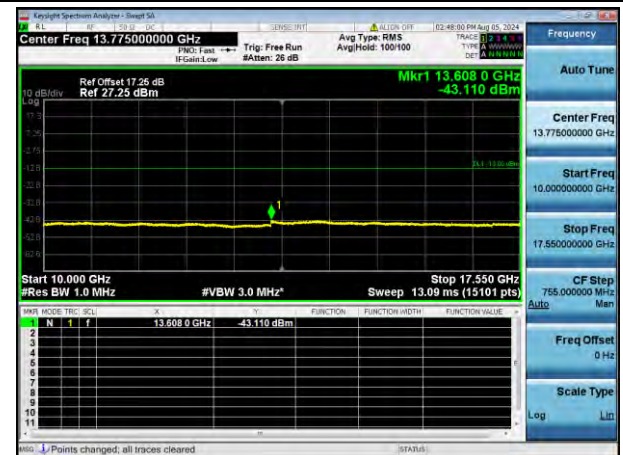
BPSK Middle channel-10GHz~20GHz



BPSK High channel-30MHz~10GHz

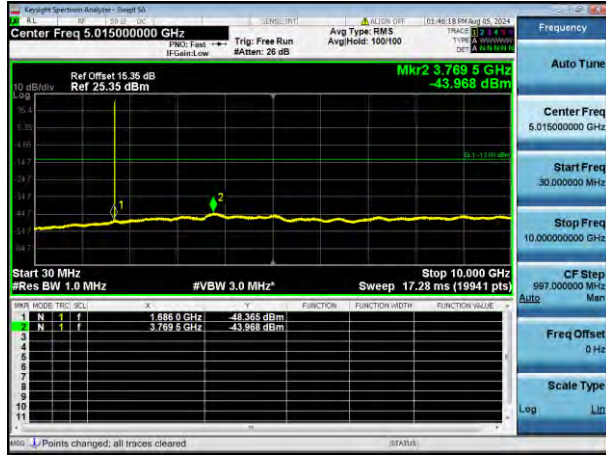


BPSK High channel-10GHz~20GHz

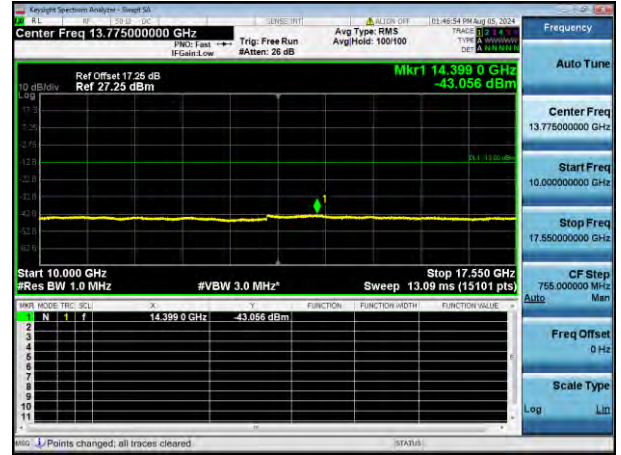


LTE FDD Band 4, SCS: 15KHz

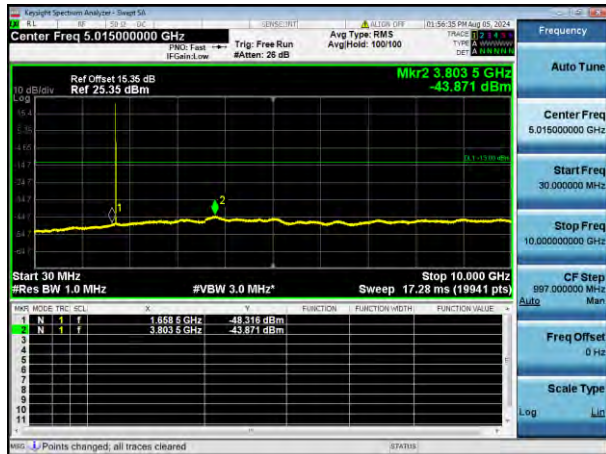
QPSK Low channel-30MHz~10GHz



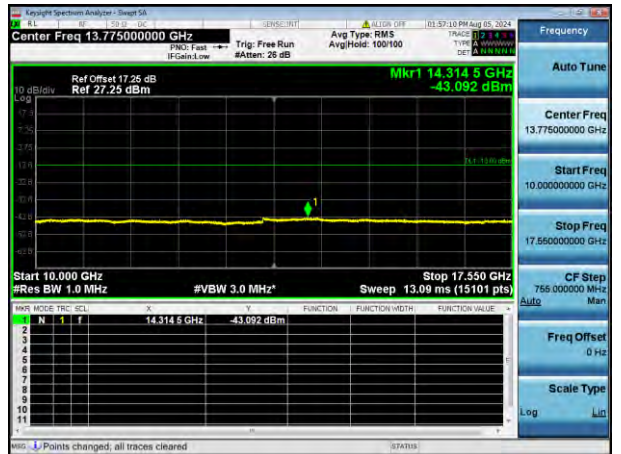
QPSK Low channel-10GHz~20GHz



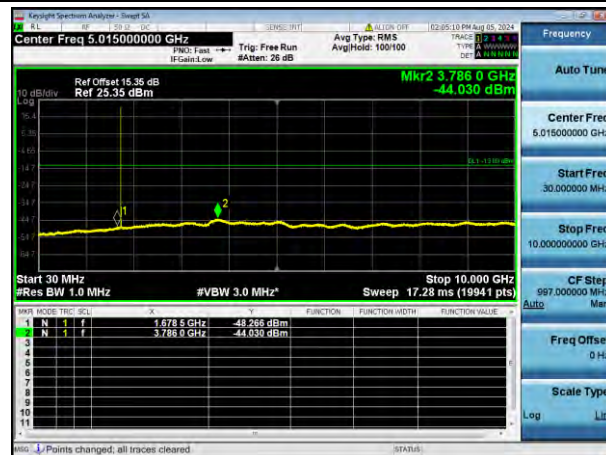
QPSK Middle channel-30MHz~10GHz



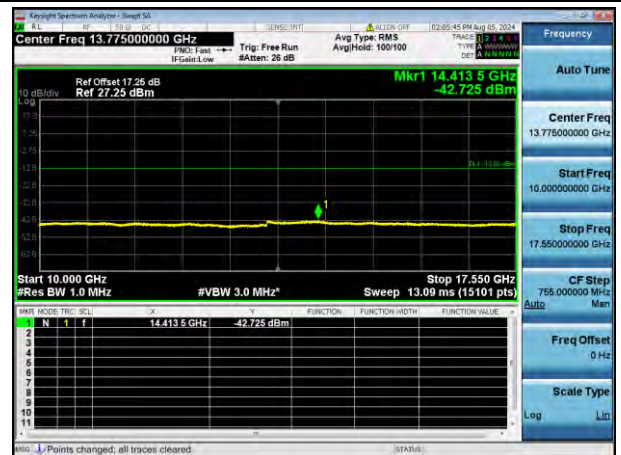
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

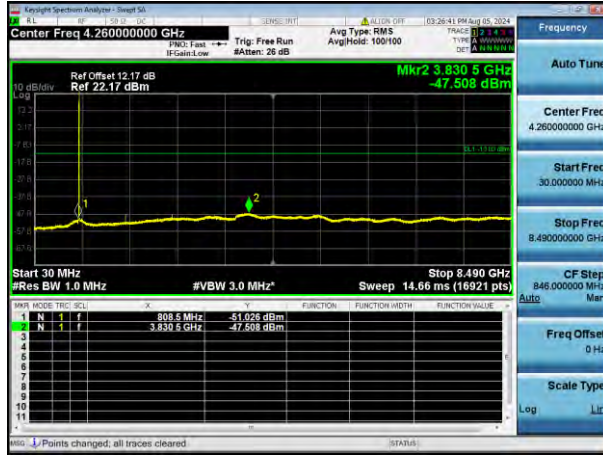


QPSK High channel-10GHz~20GHz

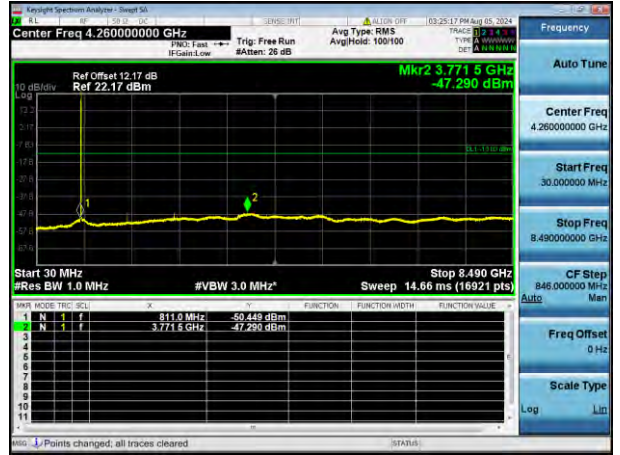


LTE FDD Band 5, SCS: 3.75KHz

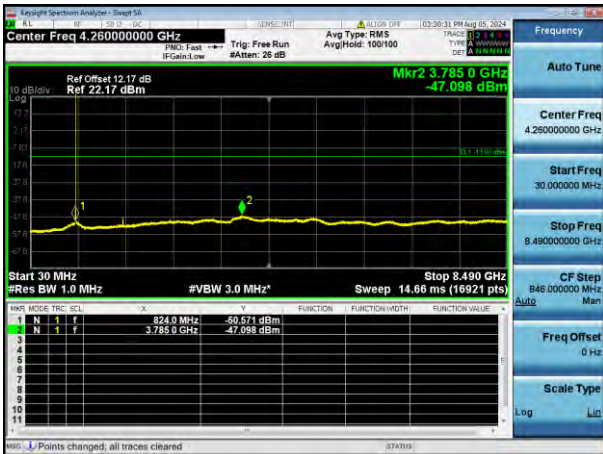
QPSK Low channel-30MHz~10GHz



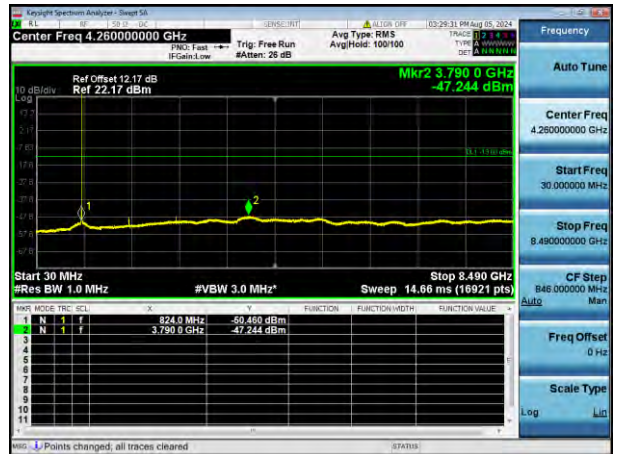
BPSK Low channel-30MHz~10GHz



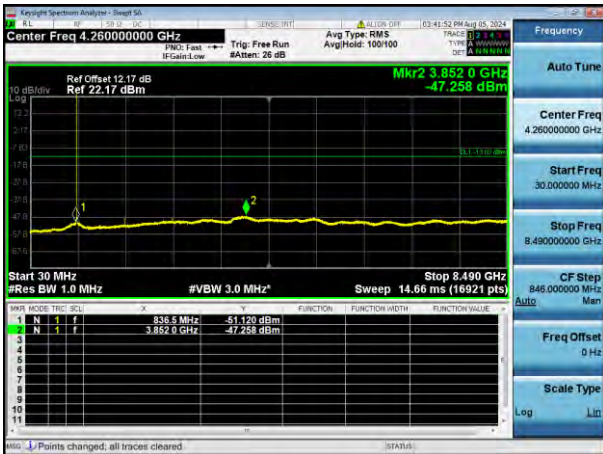
QPSK Middle channel-30MHz~10GHz



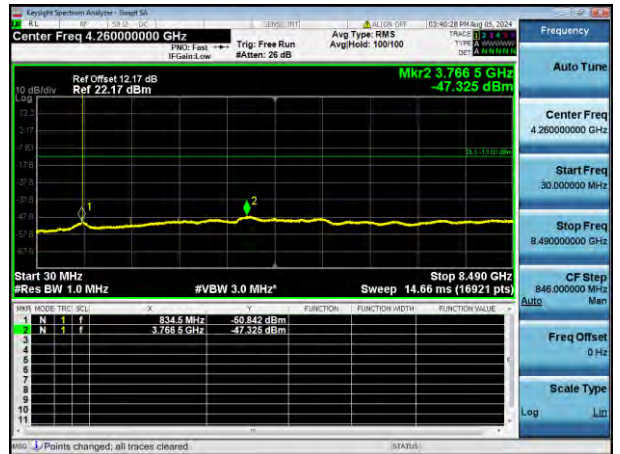
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

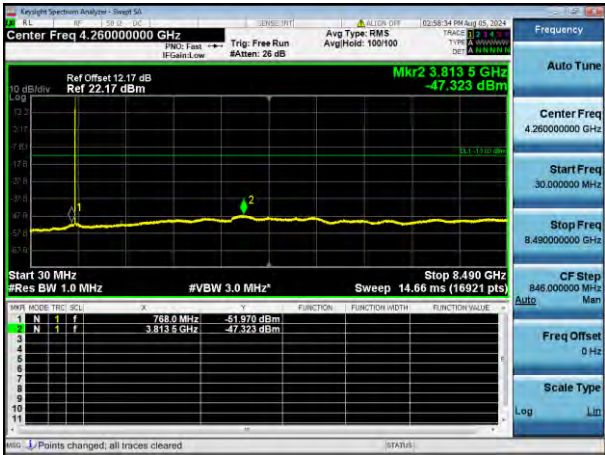


BPSK High channel-30MHz~10GHz

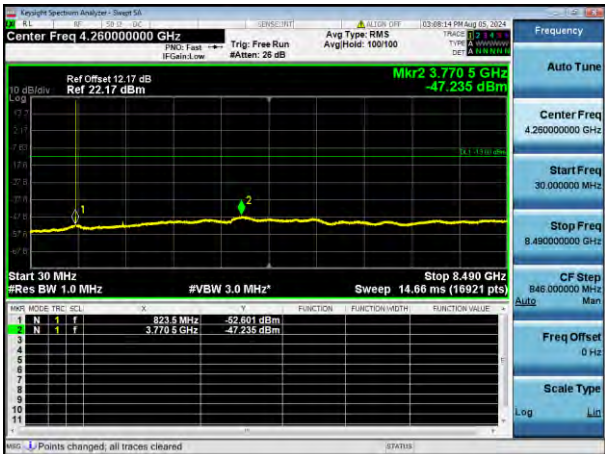


LTE FDD Band 5, SCS: 15KHz

QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz

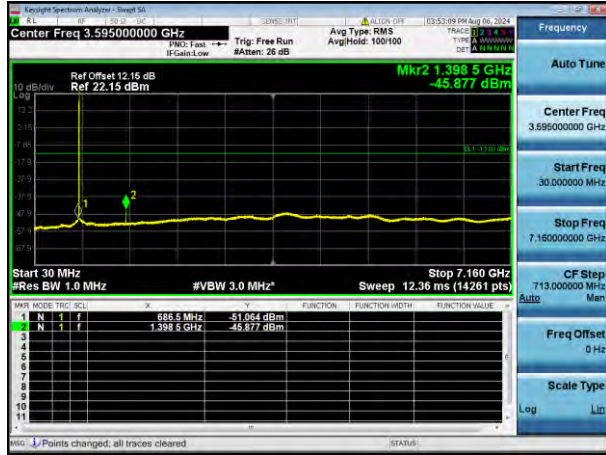


QPSK High channel-30MHz~10GHz

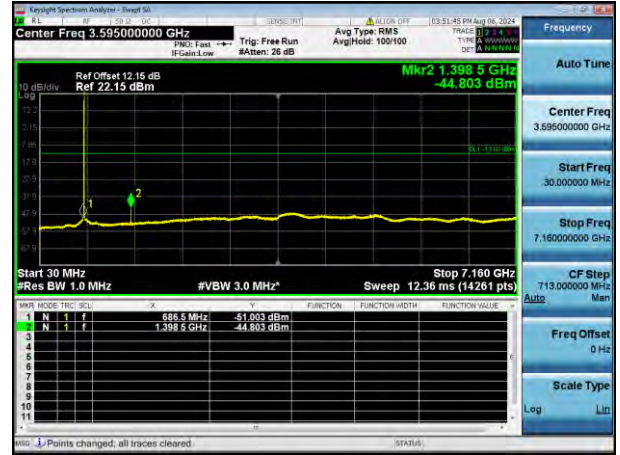


LTE FDD Band 12, SCS: 3.75KHz

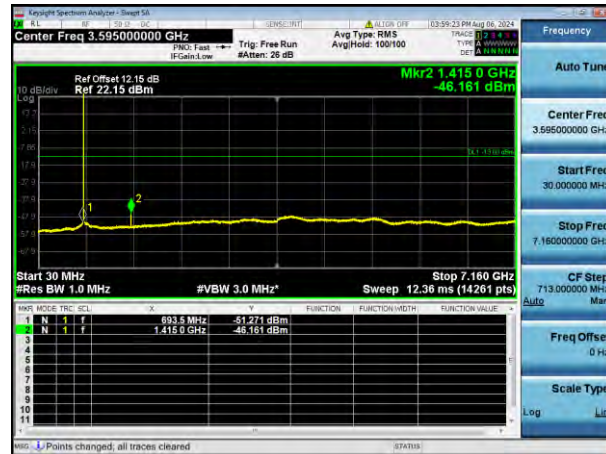
QPSK Low channel-30MHz~10GHz



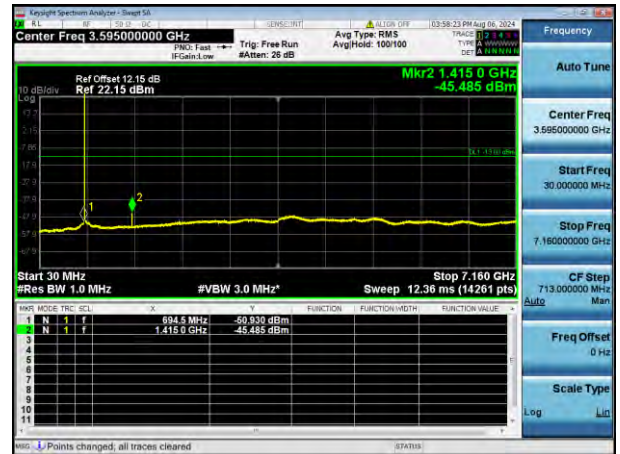
BPSK Low channel-30MHz~10GHz



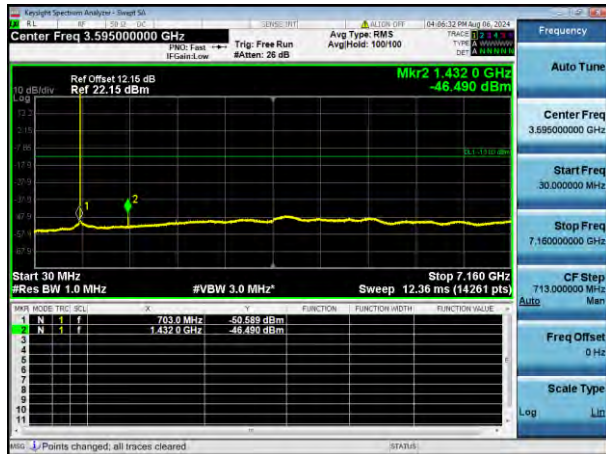
QPSK Middle channel-30MHz~10GHz



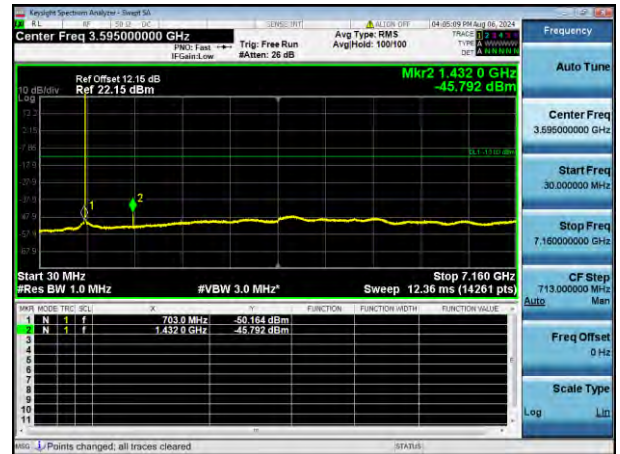
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

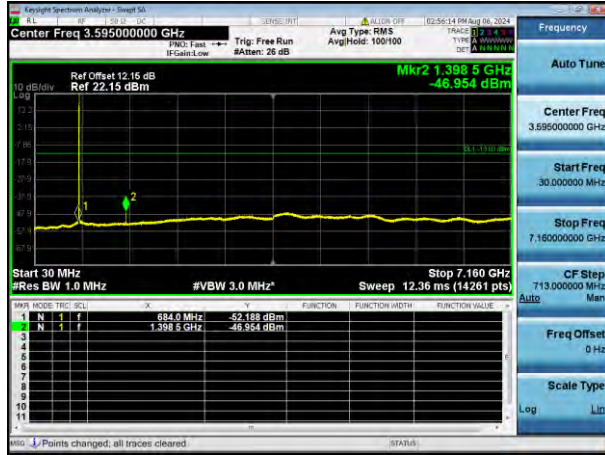


BPSK High channel-30MHz~10GHz

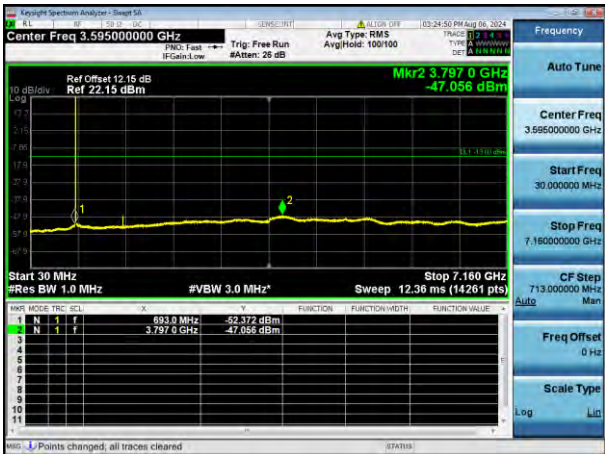


LTE FDD Band 12, SCS: 15KHz

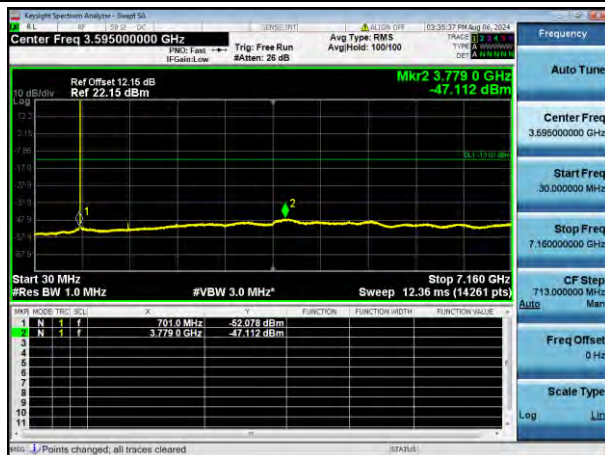
QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz

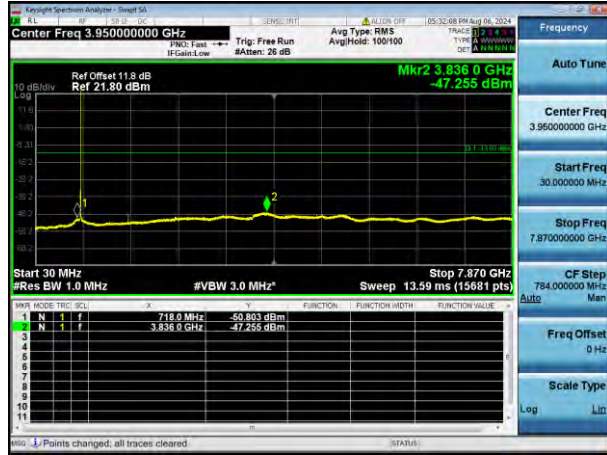


QPSK High channel-30MHz~10GHz

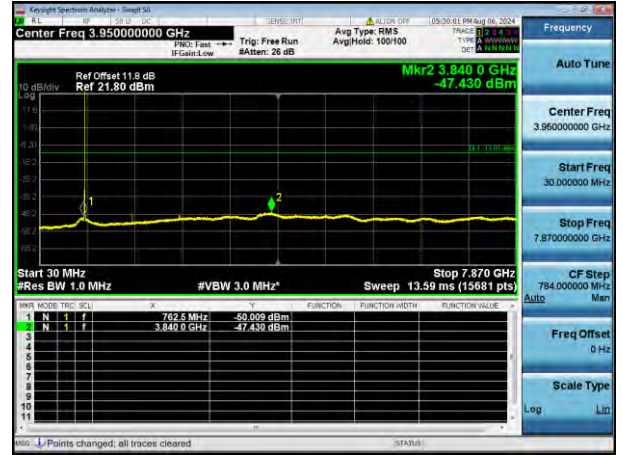


LTE FDD Band 13, SCS: 3.75KHz

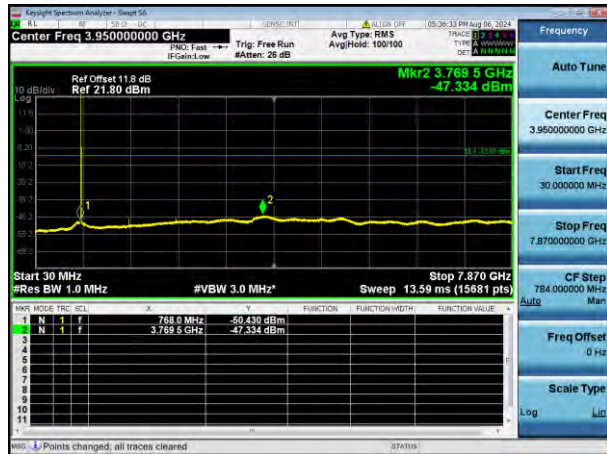
QPSK Low channel-30MHz~10GHz



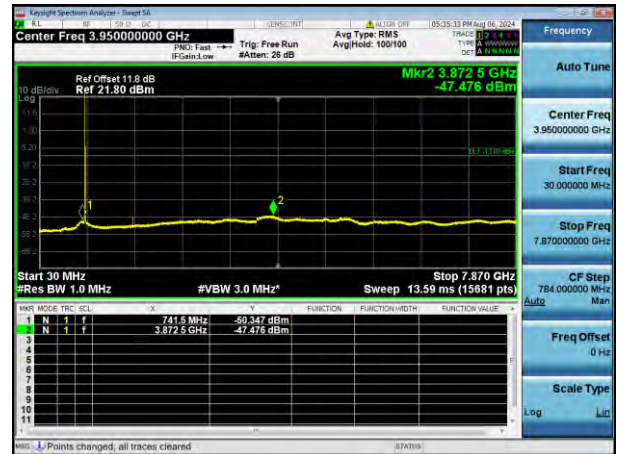
BPSK Low channel-30MHz~10GHz



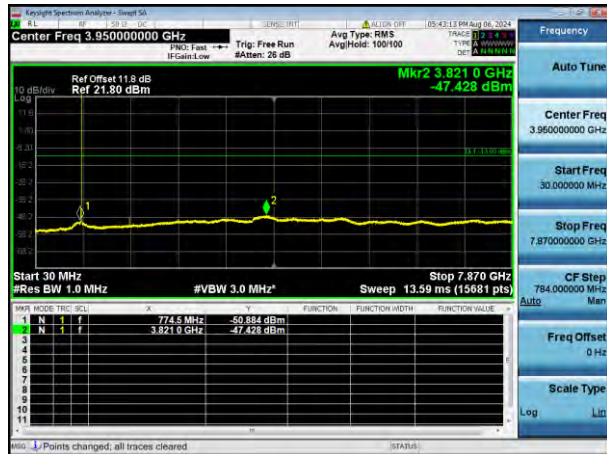
QPSK Middle channel-30MHz~10GHz



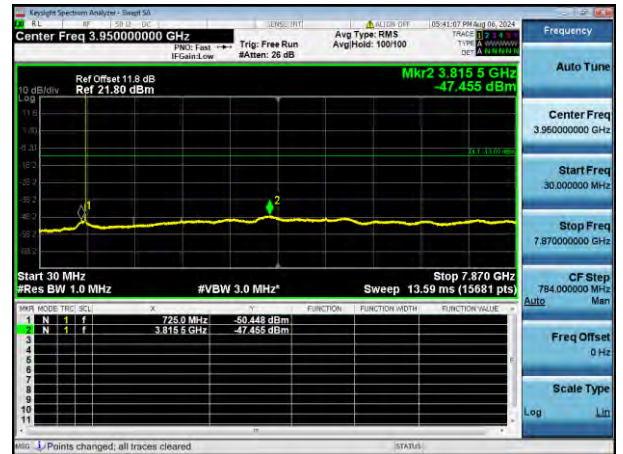
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

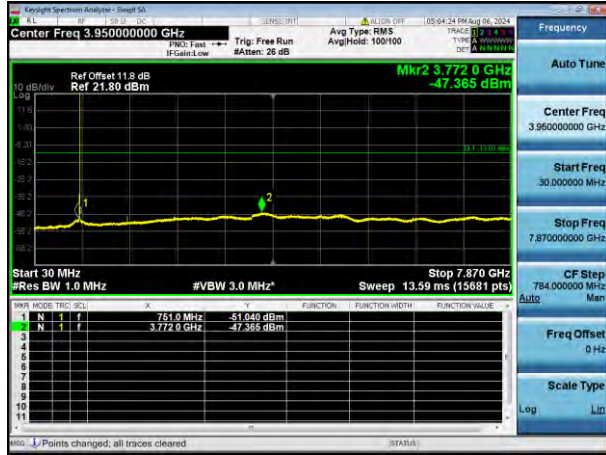


BPSK High channel-30MHz~10GHz

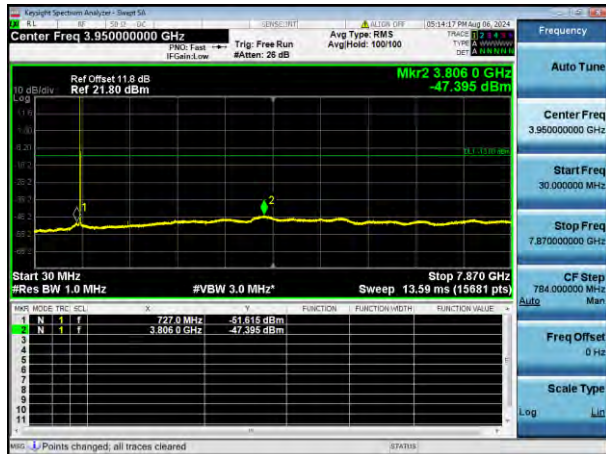


LTE FDD Band 13, SCS: 15KHz

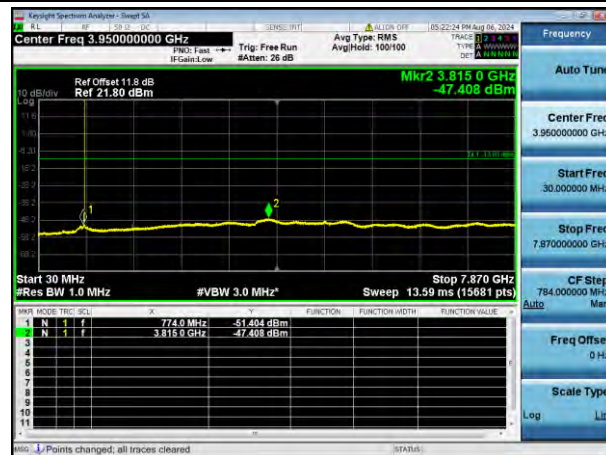
QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz

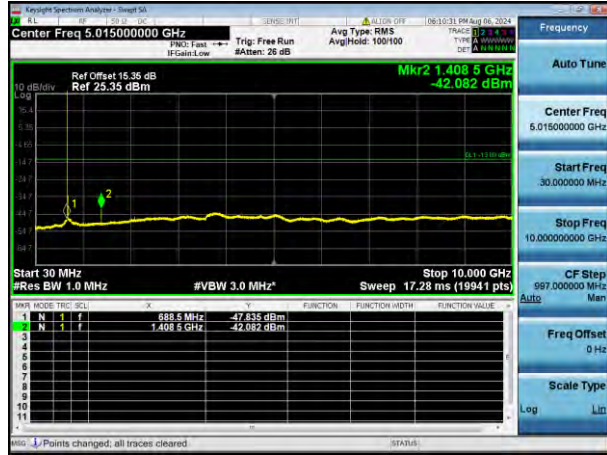


QPSK High channel-30MHz~10GHz

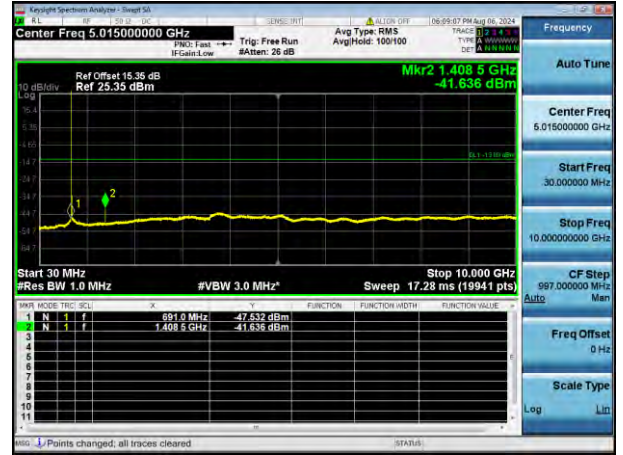


LTE FDD Band 17, SCS: 3.75KHz

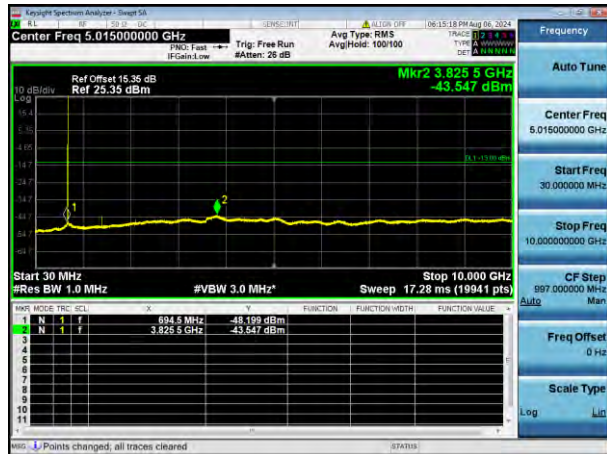
QPSK Low channel-30MHz~10GHz



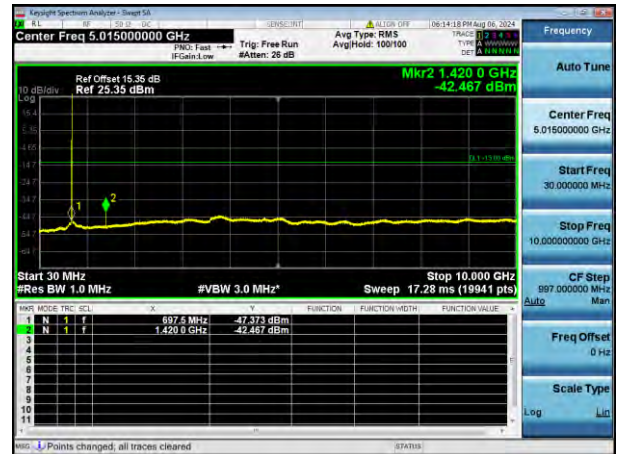
BPSK Low channel-30MHz~10GHz



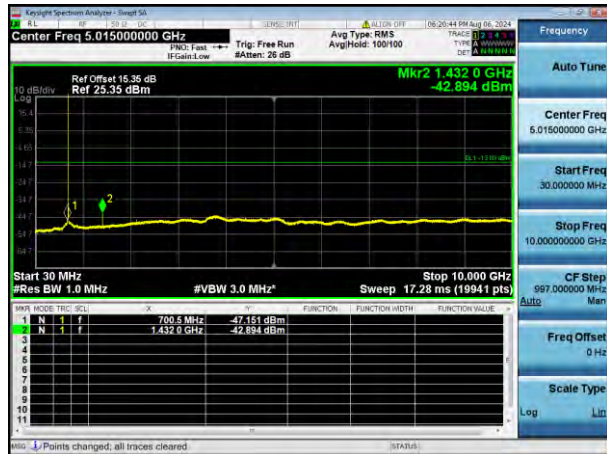
QPSK Middle channel-30MHz~10GHz



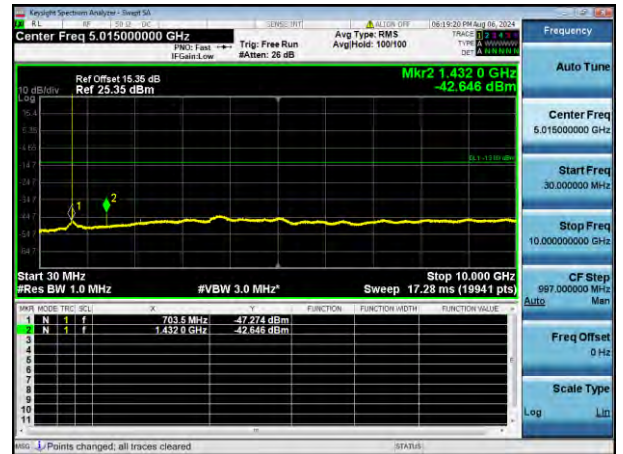
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

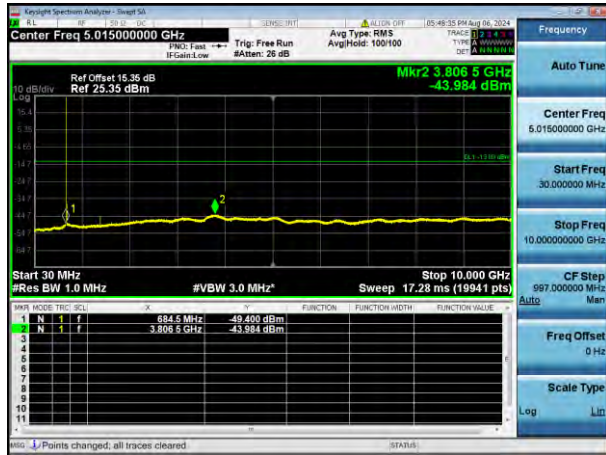


BPSK High channel-30MHz~10GHz

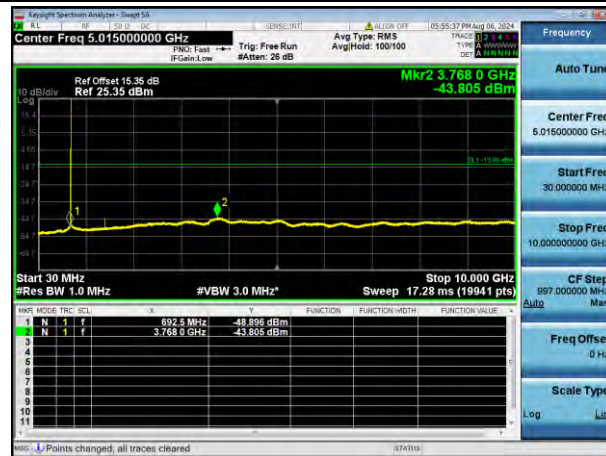


LTE FDD Band 17, SCS: 15KHz

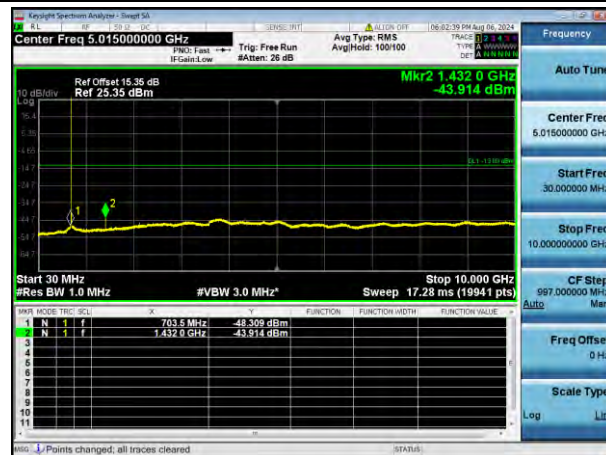
QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz

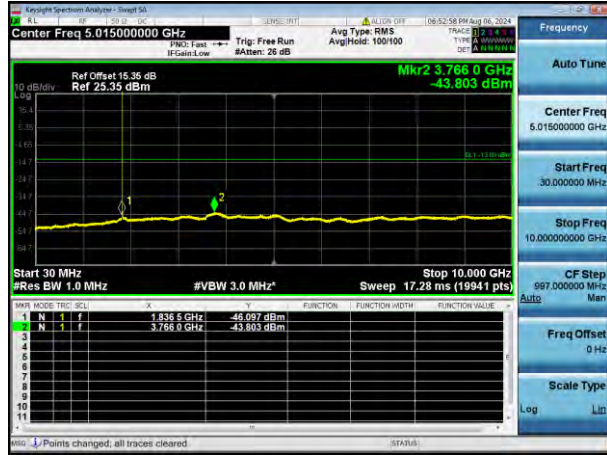


QPSK High channel-30MHz~10GHz

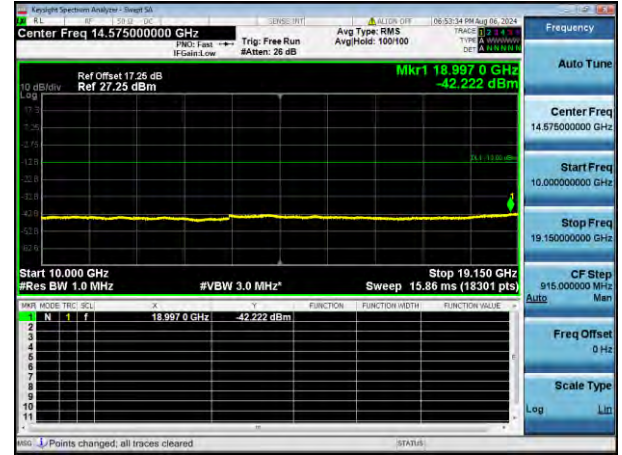


LTE FDD Band 25, SCS: 3.75KHz

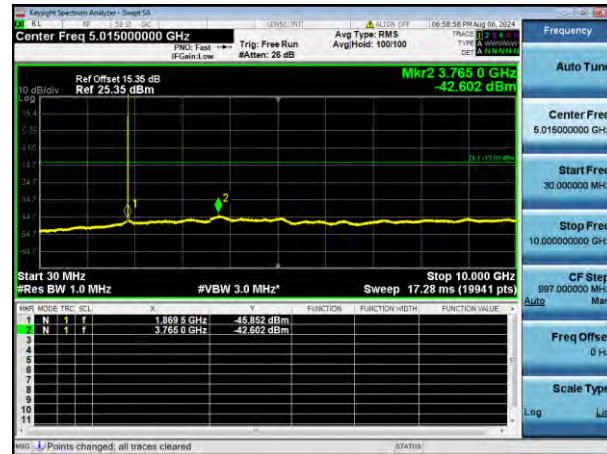
QPSK Low channel-30MHz~10GHz



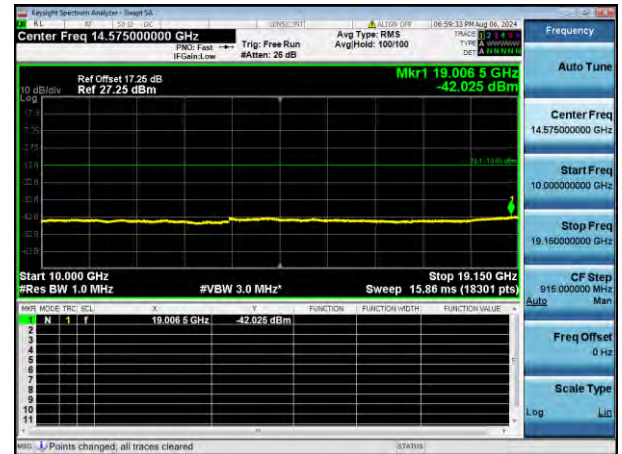
QPSK Low channel-10GHz~20GHz



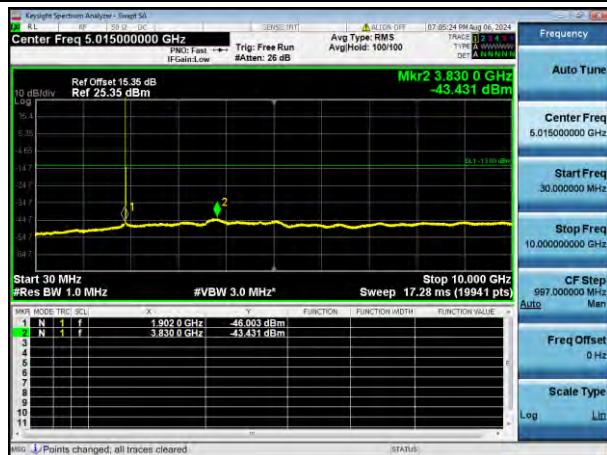
QPSK Middle channel-30MHz~10GHz



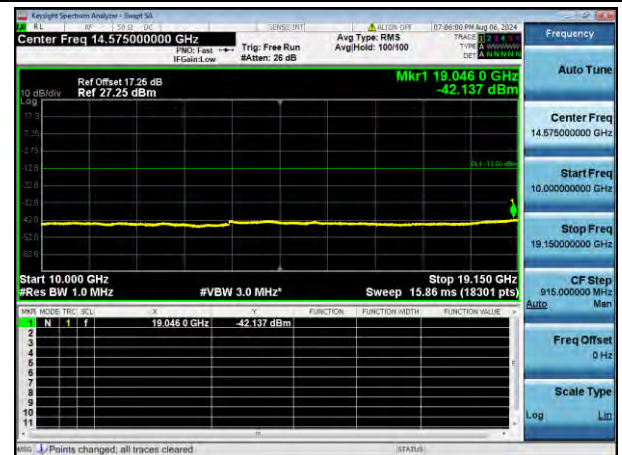
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

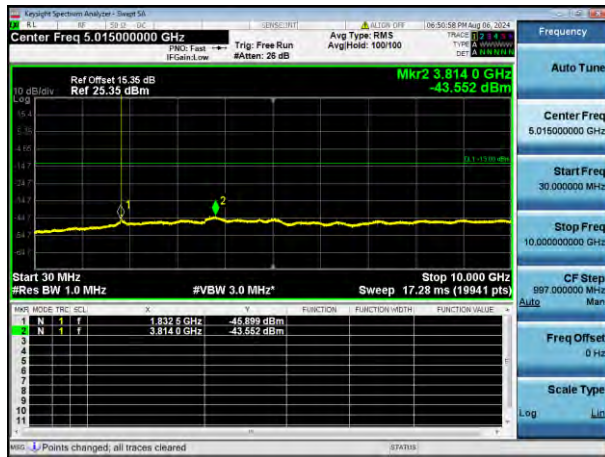


QPSK High channel-10GHz~20GHz

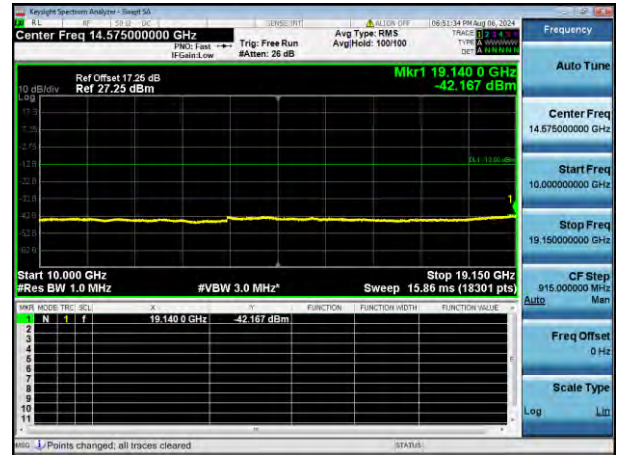


LTE FDD Band 25, SCS: 3.75KHz

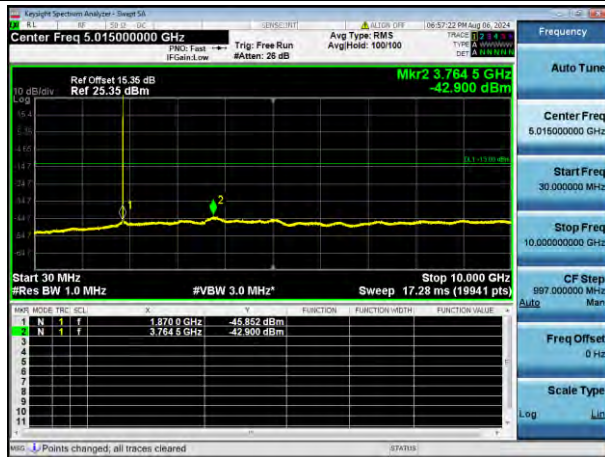
BPSK Low channel-30MHz~10GHz



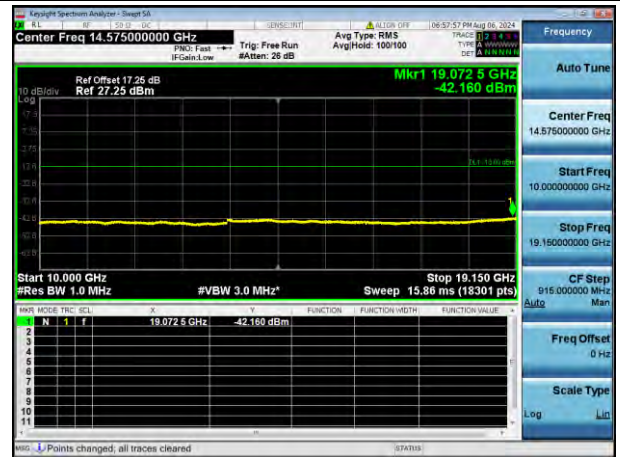
BPSK Low channel-10GHz~20GHz



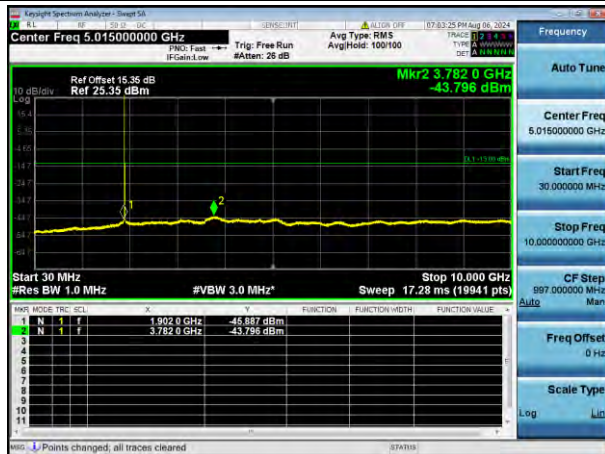
BPSK Middle channel-30MHz~10GHz



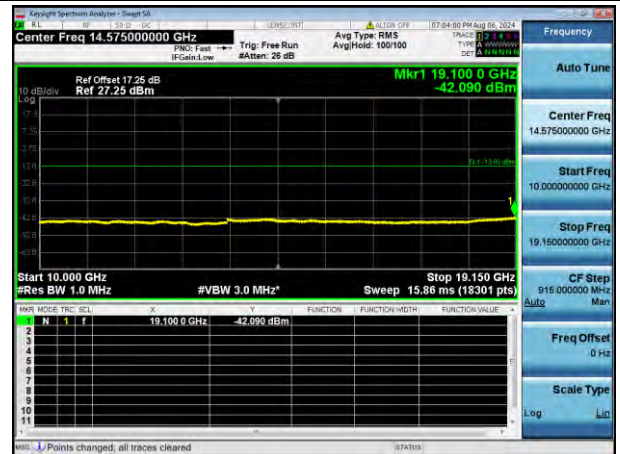
BPSK Middle channel-10GHz~20GHz



BPSK High channel-30MHz~10GHz

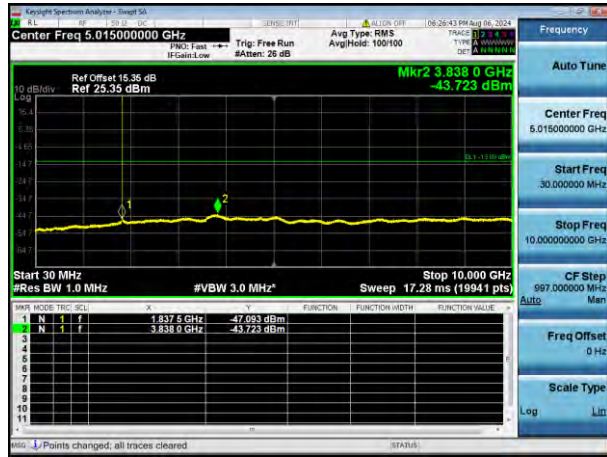


BPSK High channel-10GHz~20GHz

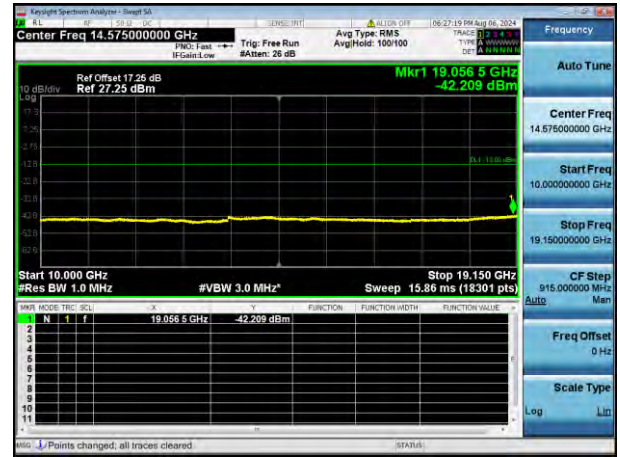


LTE FDD Band 25, SCS: 15KHz

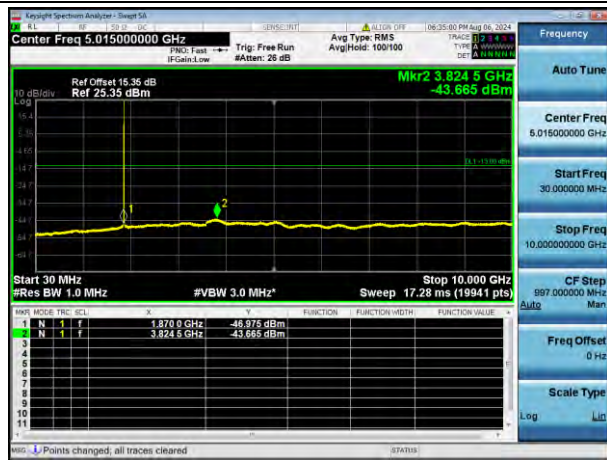
QPSK Low channel-30MHz~10GHz



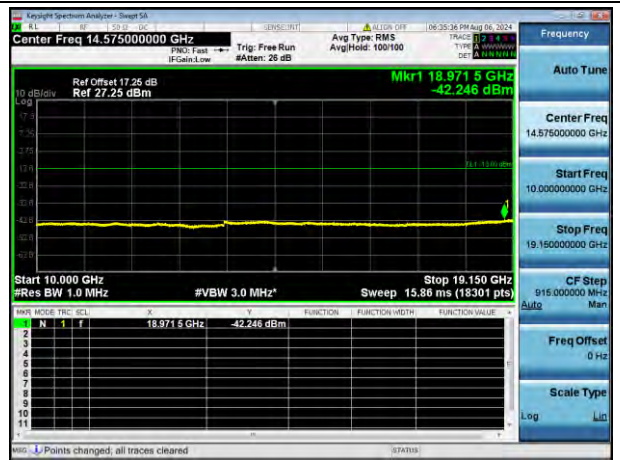
QPSK Low channel-10GHz~20GHz



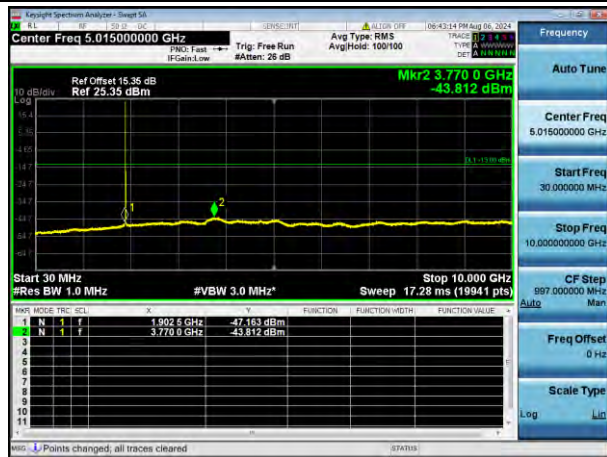
QPSK Middle channel-30MHz~10GHz



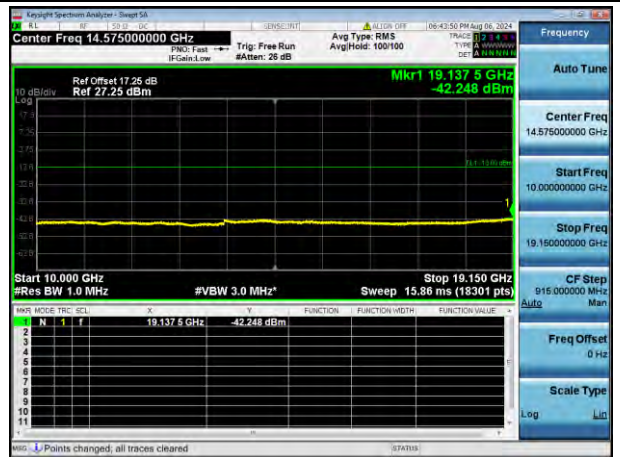
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

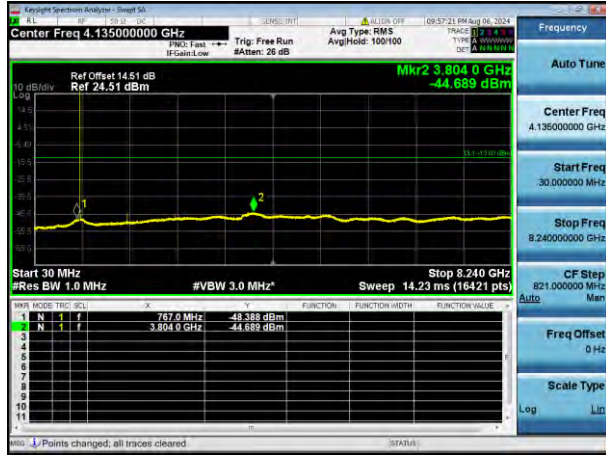


QPSK High channel-10GHz~20GHz

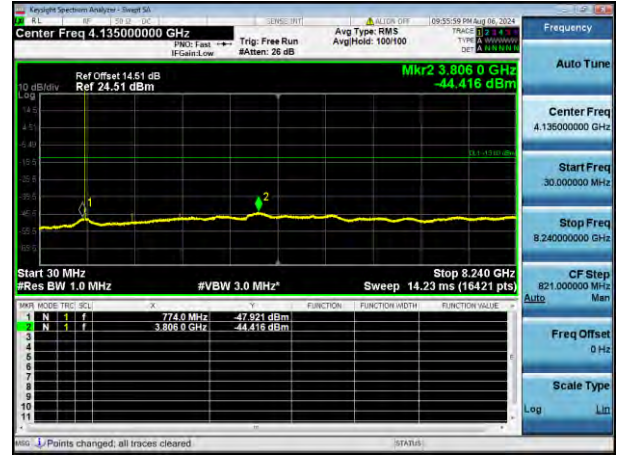


LTE FDD Band 26a, SCS: 3.75KHz

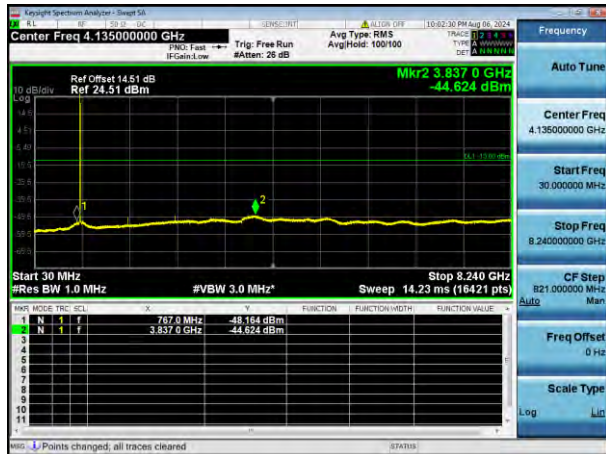
QPSK Low channel-30MHz~10GHz



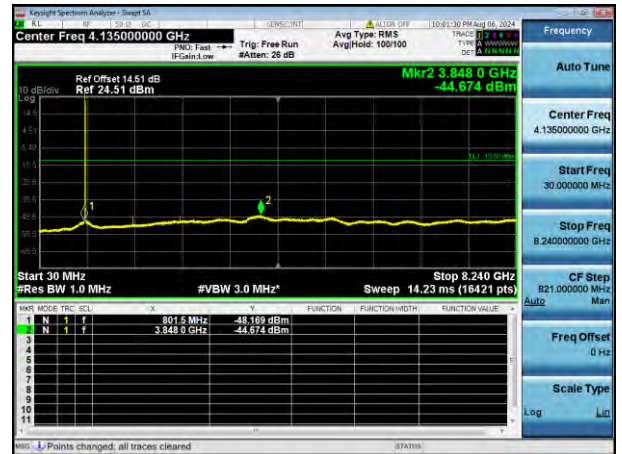
BPSK Low channel-30MHz~10GHz



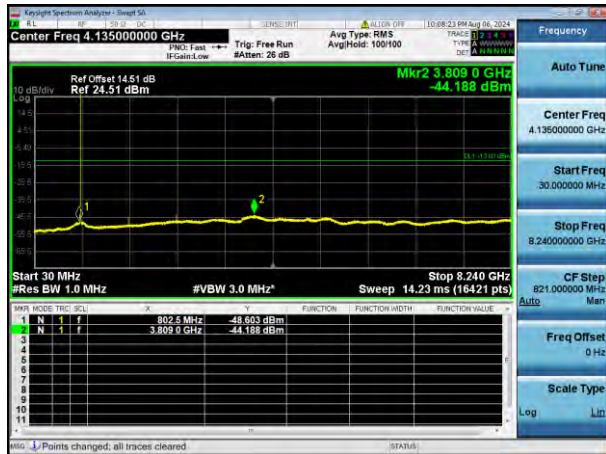
QPSK Middle channel-30MHz~10GHz



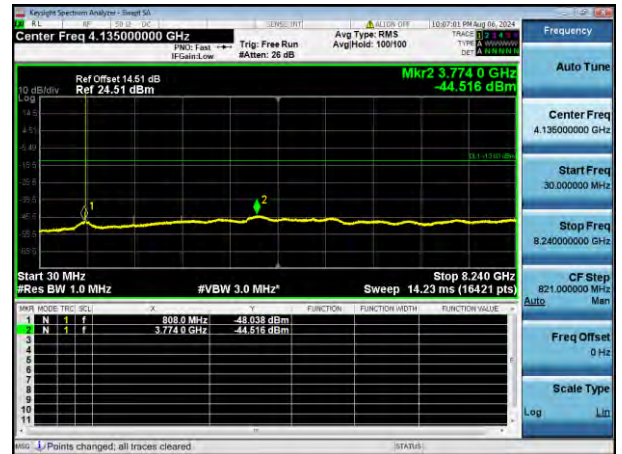
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

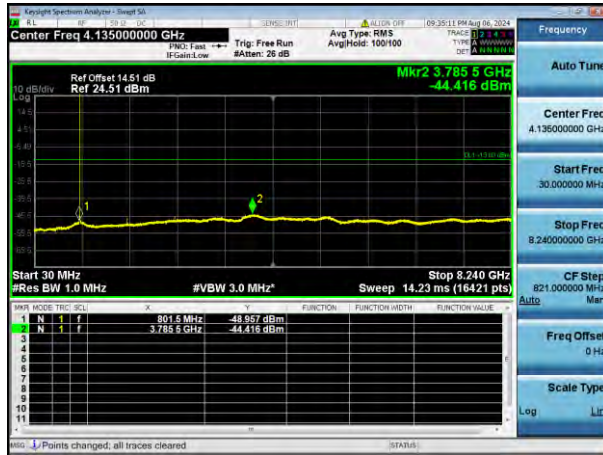


BPSK High channel-30MHz~10GHz

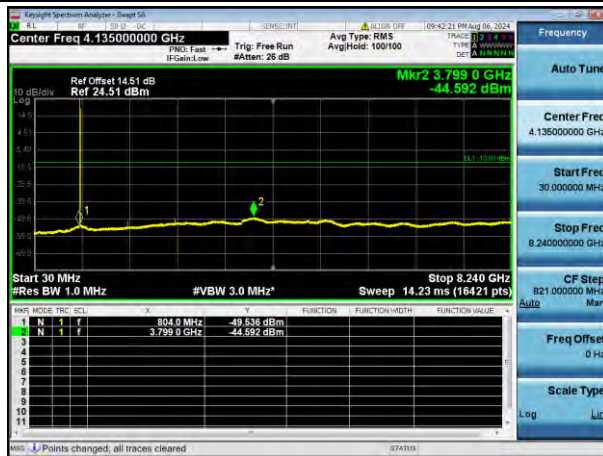


LTE FDD Band 26a, SCS: 15KHz

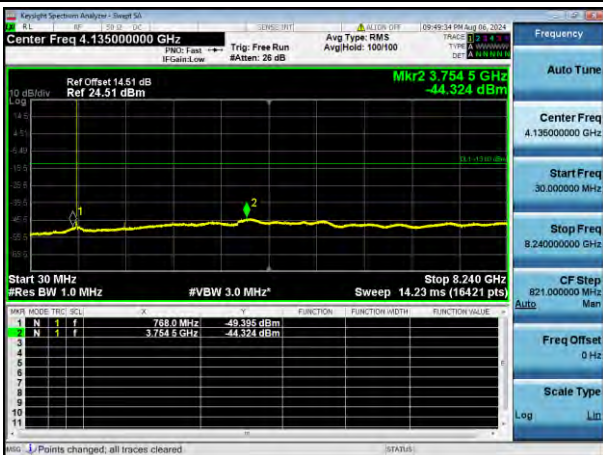
QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz

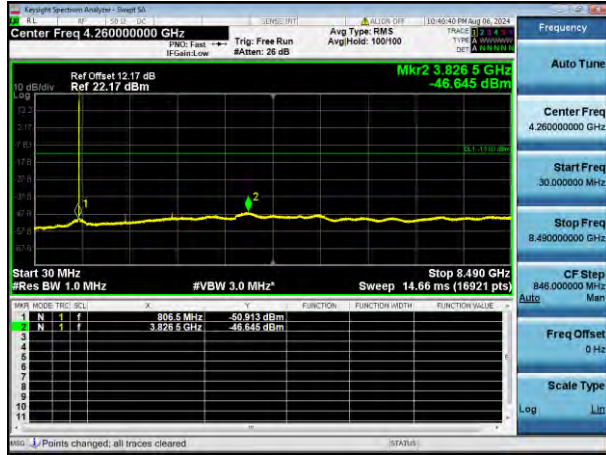


QPSK High channel-30MHz~10GHz

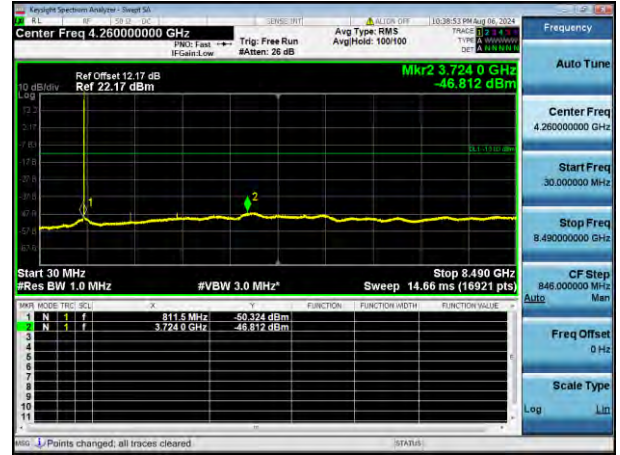


LTE FDD Band 26b, SCS: 3.75KHz

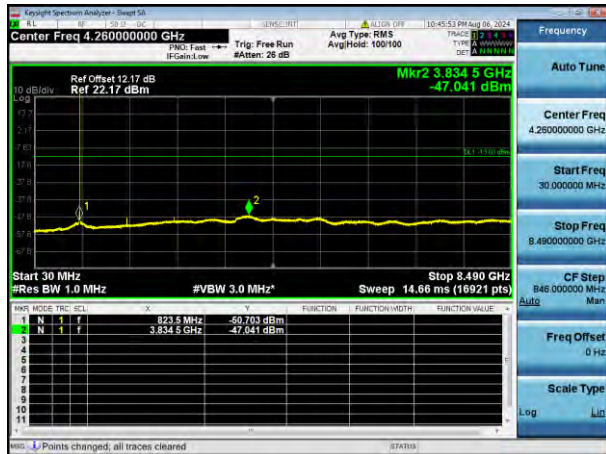
QPSK Low channel-30MHz~10GHz



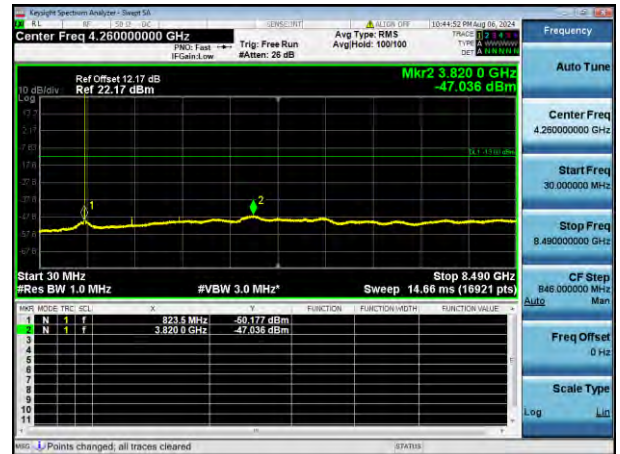
BPSK Low channel-30MHz~10GHz



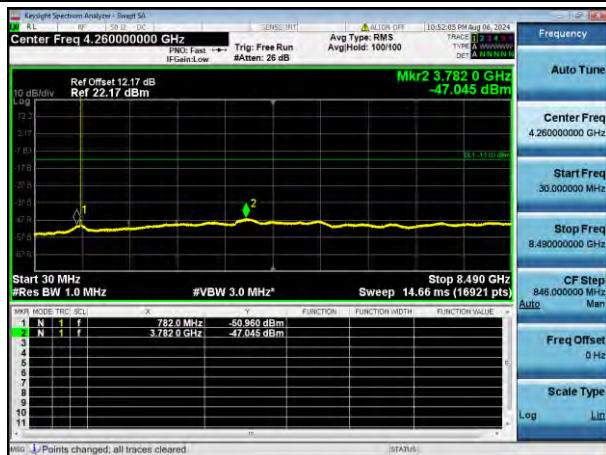
QPSK Middle channel-30MHz~10GHz



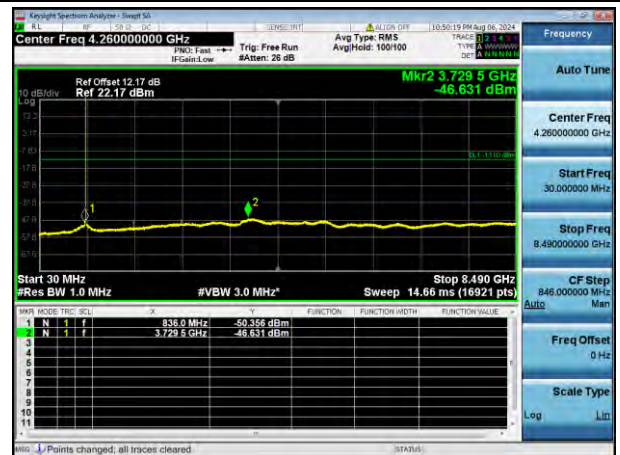
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

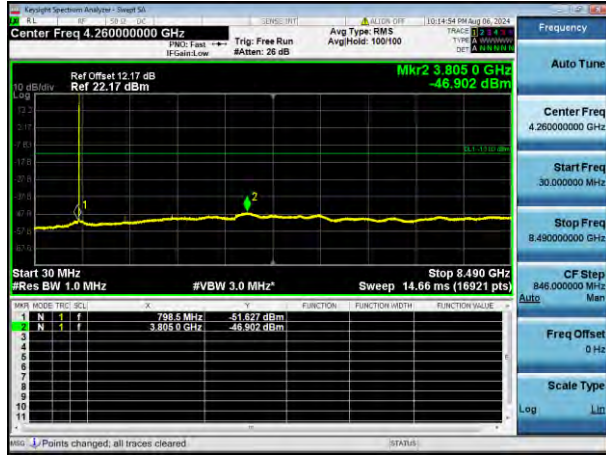


BPSK High channel-30MHz~10GHz

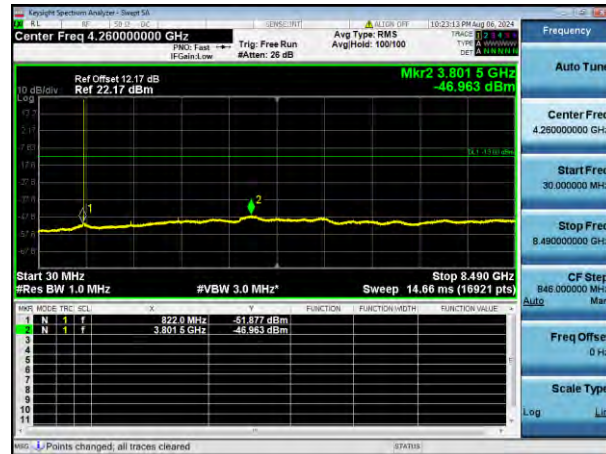


LTE FDD Band 26b, SCS: 15KHz

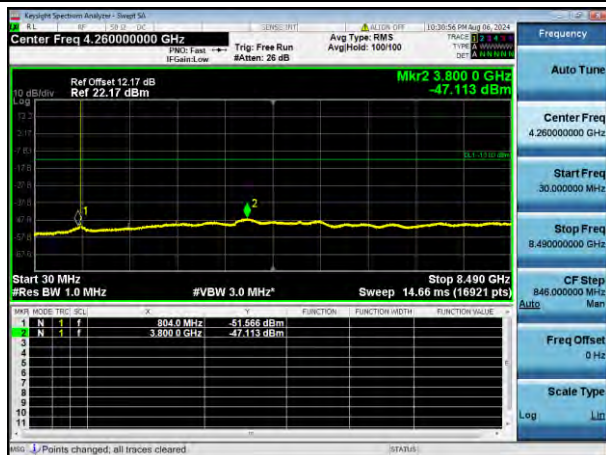
QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz

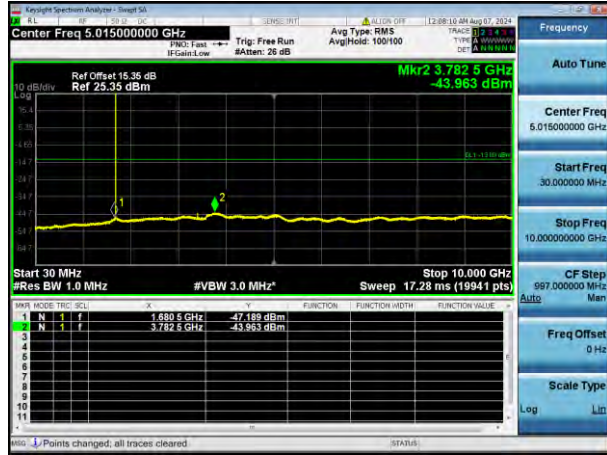


QPSK High channel-30MHz~10GHz

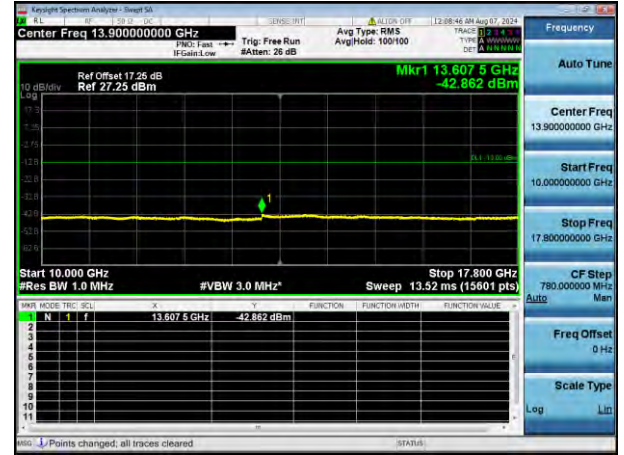


LTE FDD Band 66, SCS: 3.75KHz

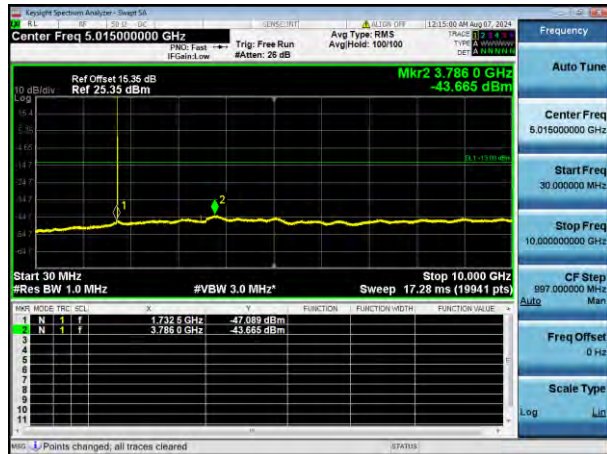
QPSK Low channel-30MHz~10GHz



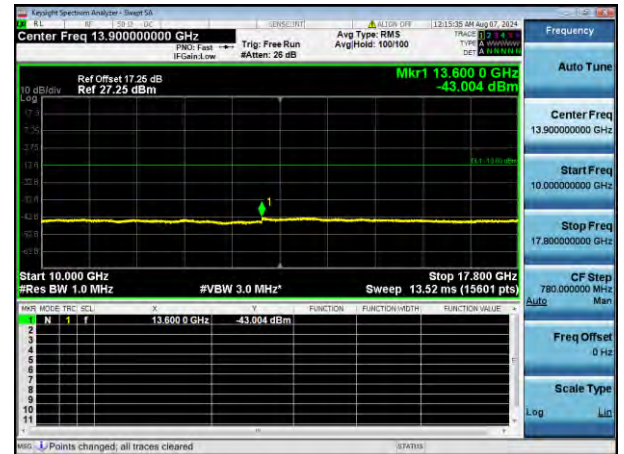
QPSK Low channel-10GHz~20GHz



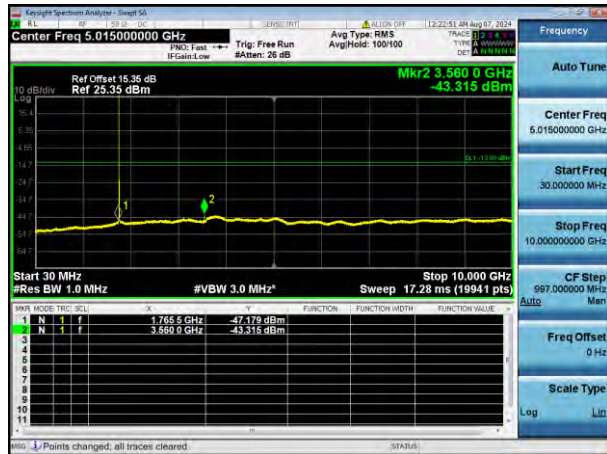
QPSK Middle channel-30MHz~10GHz



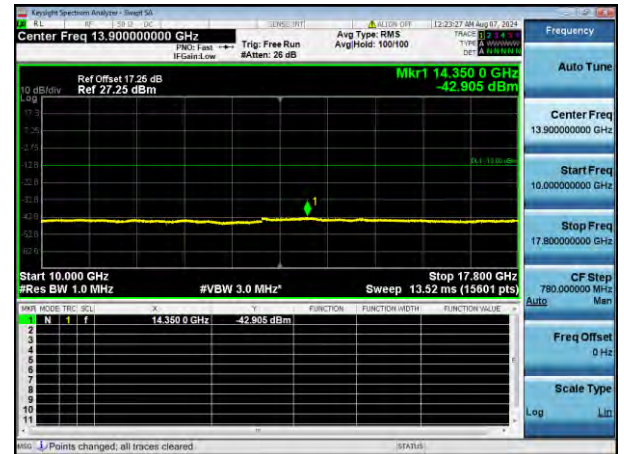
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

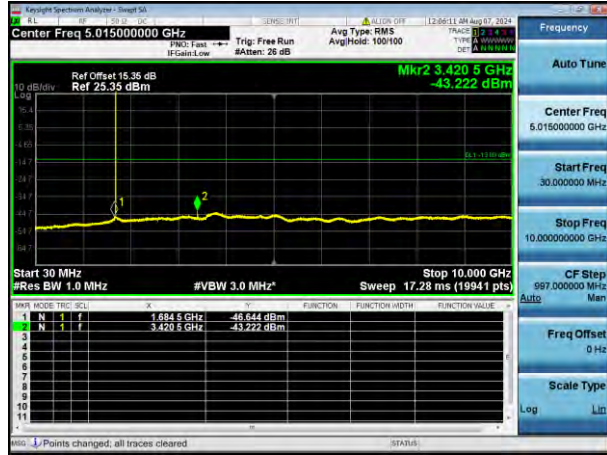


QPSK High channel-10GHz~20GHz

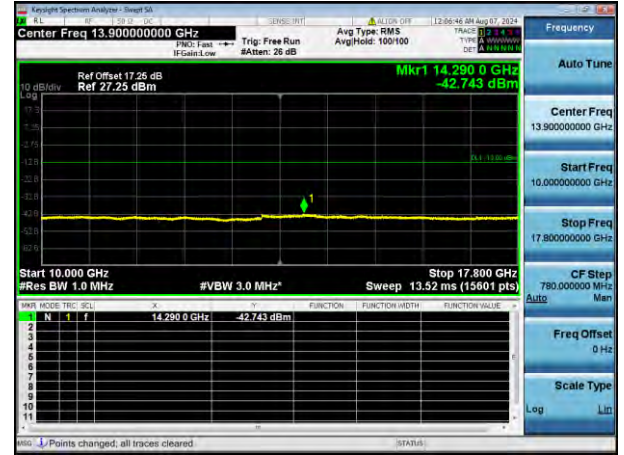


LTE FDD Band 66, SCS: 3.75KHz

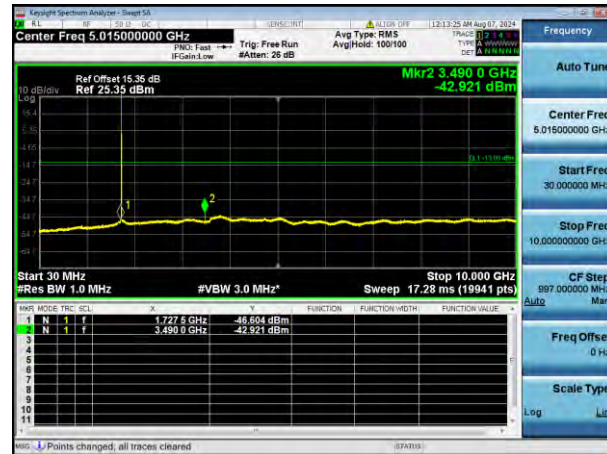
BPSK Low channel-30MHz~10GHz



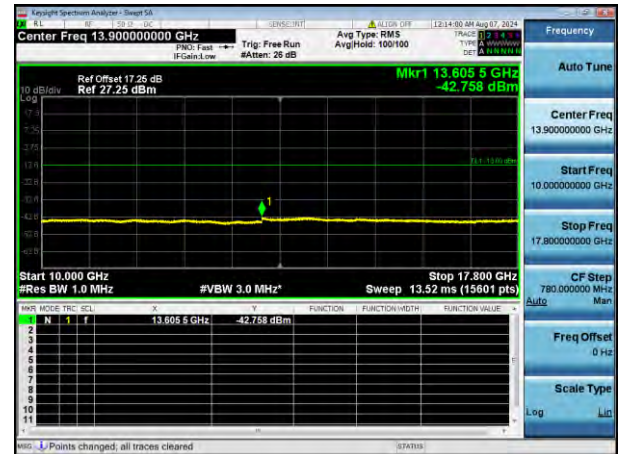
BPSK Low channel-10GHz~20GHz



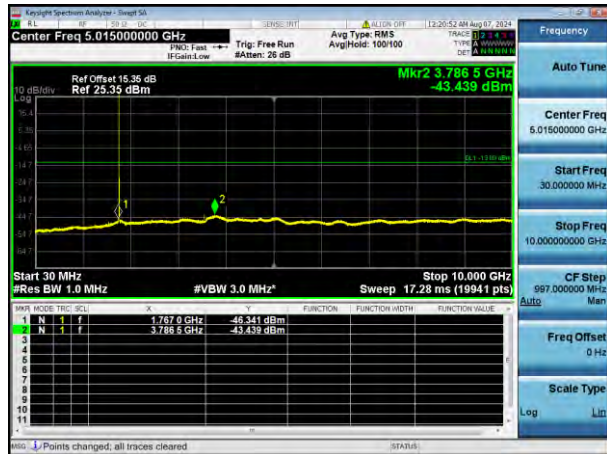
BPSK Middle channel-30MHz~10GHz



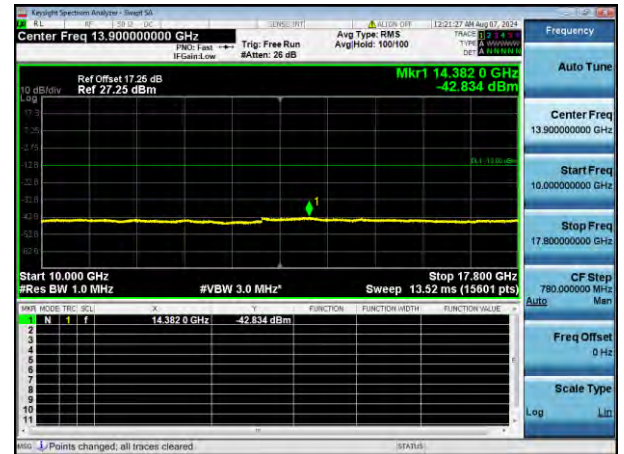
BPSK Middle channel-10GHz~20GHz



BPSK High channel-30MHz~10GHz

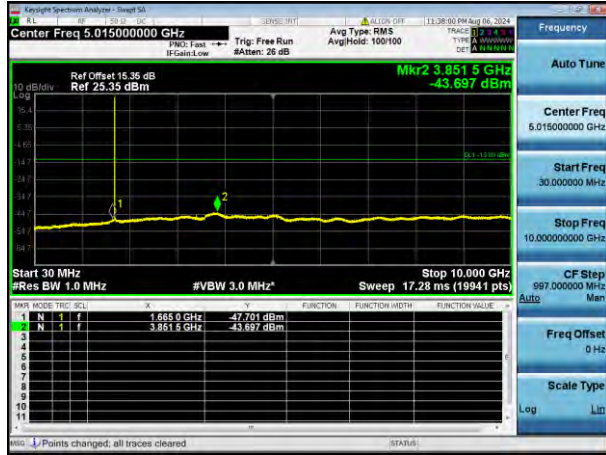


BPSK High channel-10GHz~20GHz

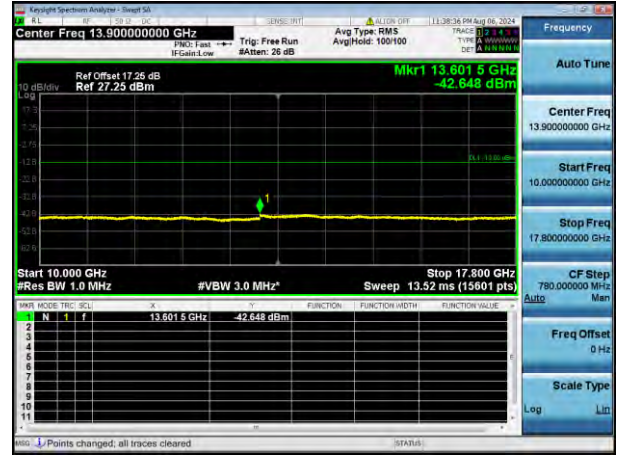


LTE FDD Band 66, SCS: 15KHz

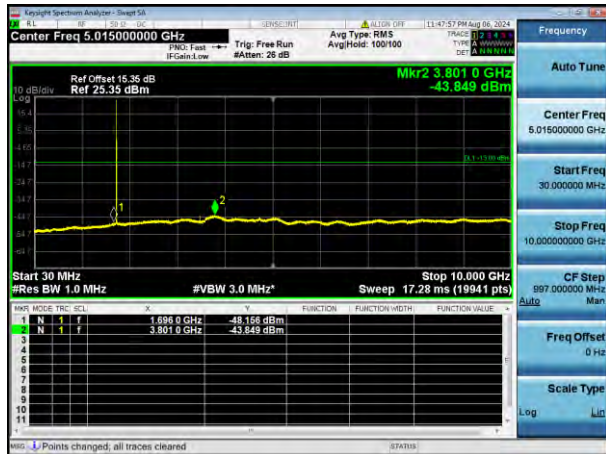
QPSK Low channel-30MHz~10GHz



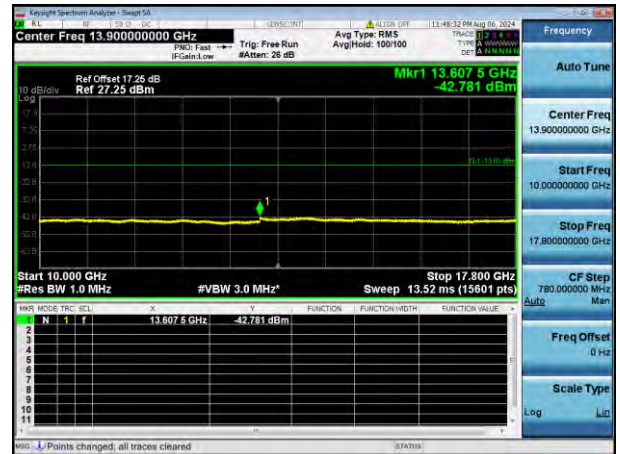
QPSK Low channel-10GHz~20GHz



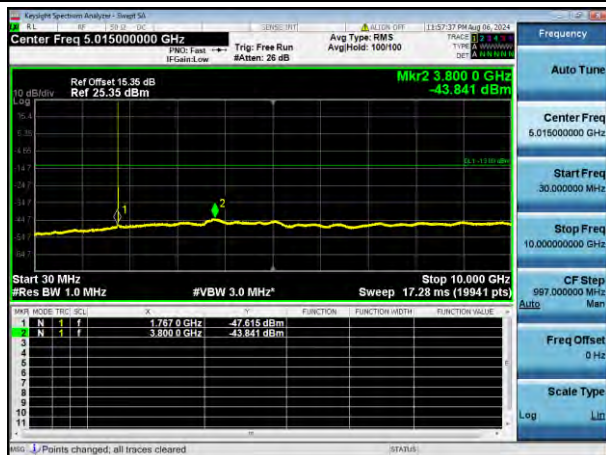
QPSK Middle channel-30MHz~10GHz



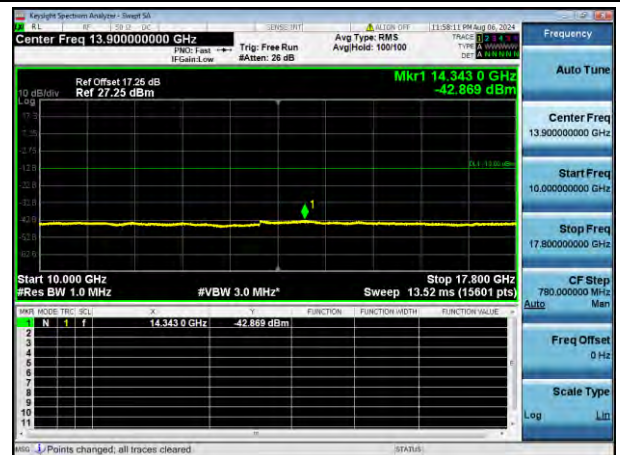
QPSK Middle channel-10GHz~20GHz



QPSK High channel-30MHz~10GHz

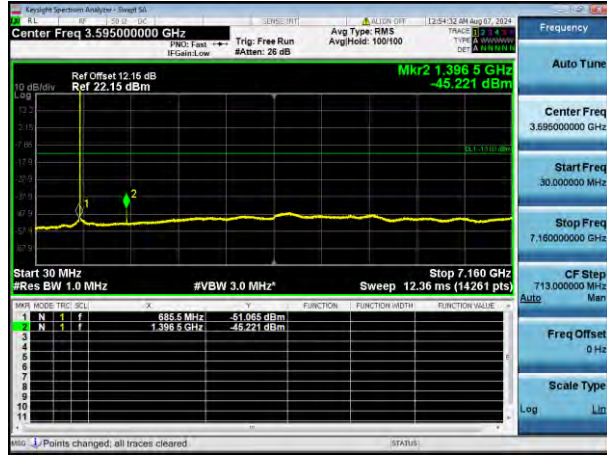


QPSK High channel-10GHz~20GHz

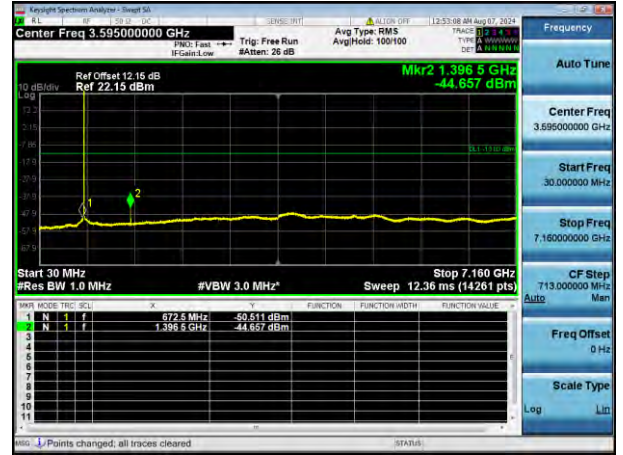


LTE FDD Band 85, SCS: 3.75KHz

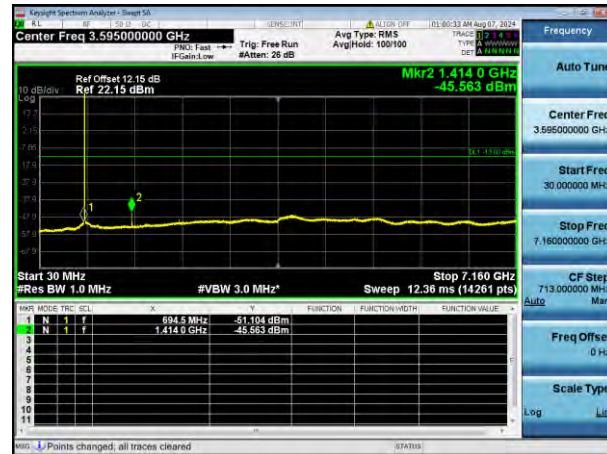
QPSK Low channel-30MHz~10GHz



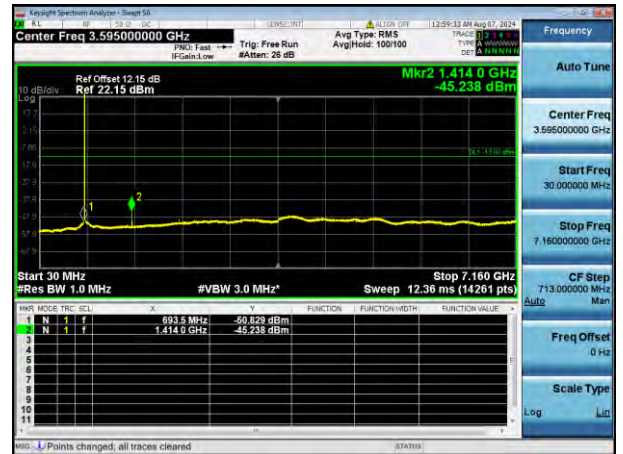
BPSK Low channel-30MHz~10GHz



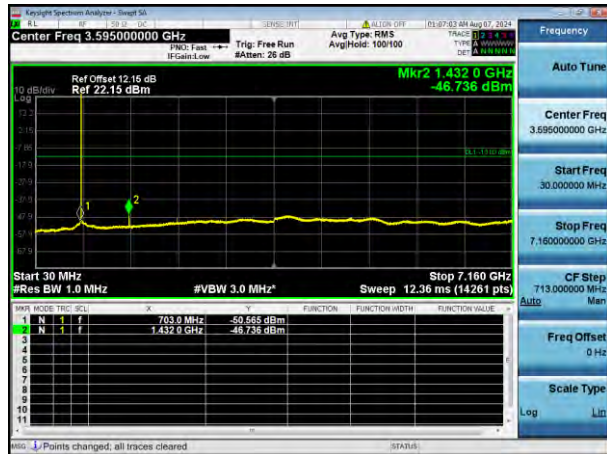
QPSK Middle channel-30MHz~10GHz



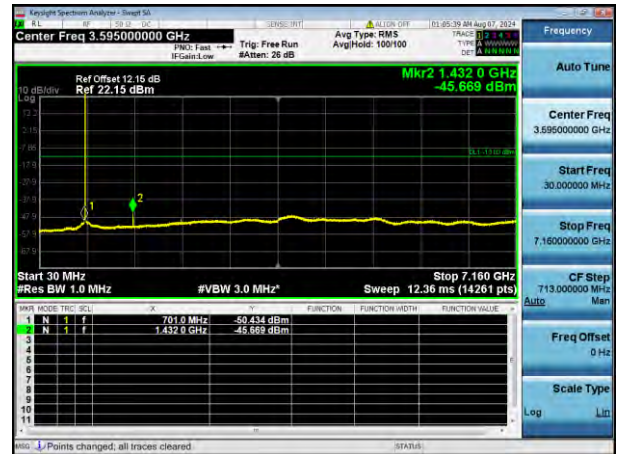
BPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz

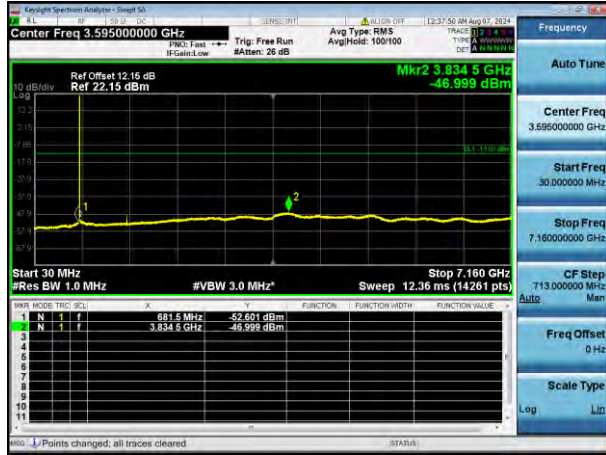


BPSK High channel-30MHz~10GHz

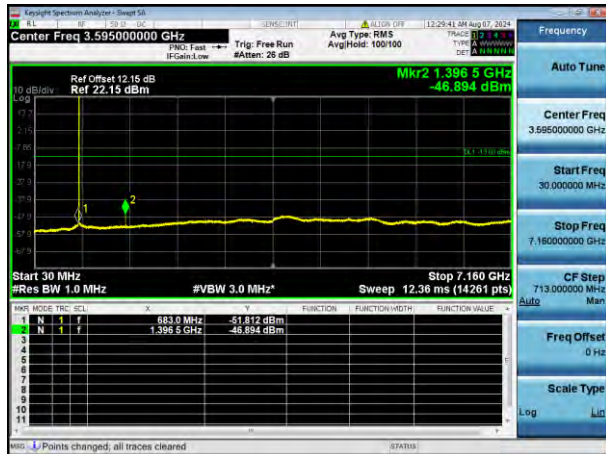


LTE FDD Band 85, SCS: 15KHz

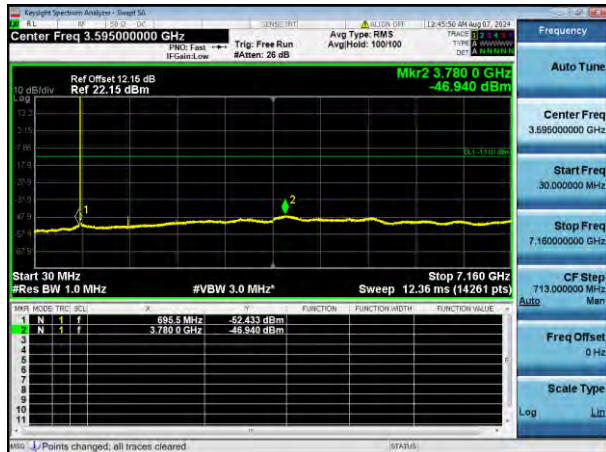
QPSK Low channel-30MHz~10GHz



QPSK Middle channel-30MHz~10GHz



QPSK High channel-30MHz~10GHz



Remark: For all the test, N_{tone} were set to 1@0 for L & M channel, 1@max for H channel;