

3.4 Emission Mask

3.4.1 Limit of Emission Mask

The power of any emission must be attenuated below the unmodulated carrier power (P) as follows.

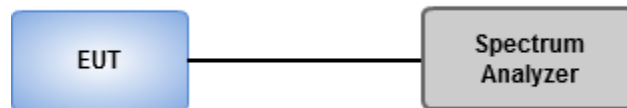
- (1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 100 percent of the authorized bandwidth: At least 25 dB.
- (2) On any frequency removed from the assigned frequency by more than 100 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB.
- (3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least $43 + 10 \log (P)$ dB.

3.4.2 Test Procedures

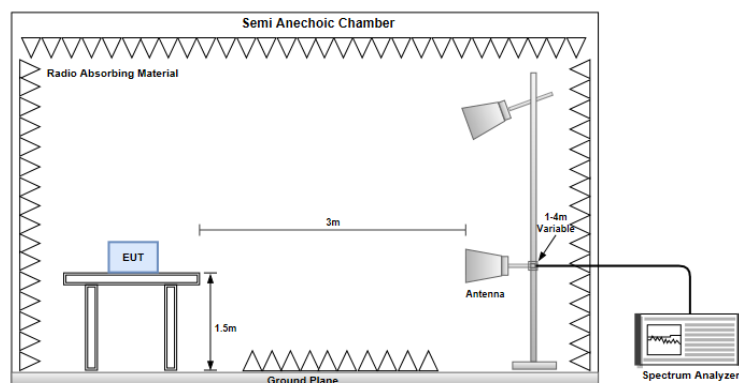
1. Set RBW=1% of 26dBc bandwidth, VBW=3 X RBW, detector=RMS, Sweep time = Auto.
2. Set EUT to transmit modulation signal to spectrum analyzer and confirm that the signal complies the limit or not.
3. Record the max trace value and capture the test plot.

3.4.3 Test Setup

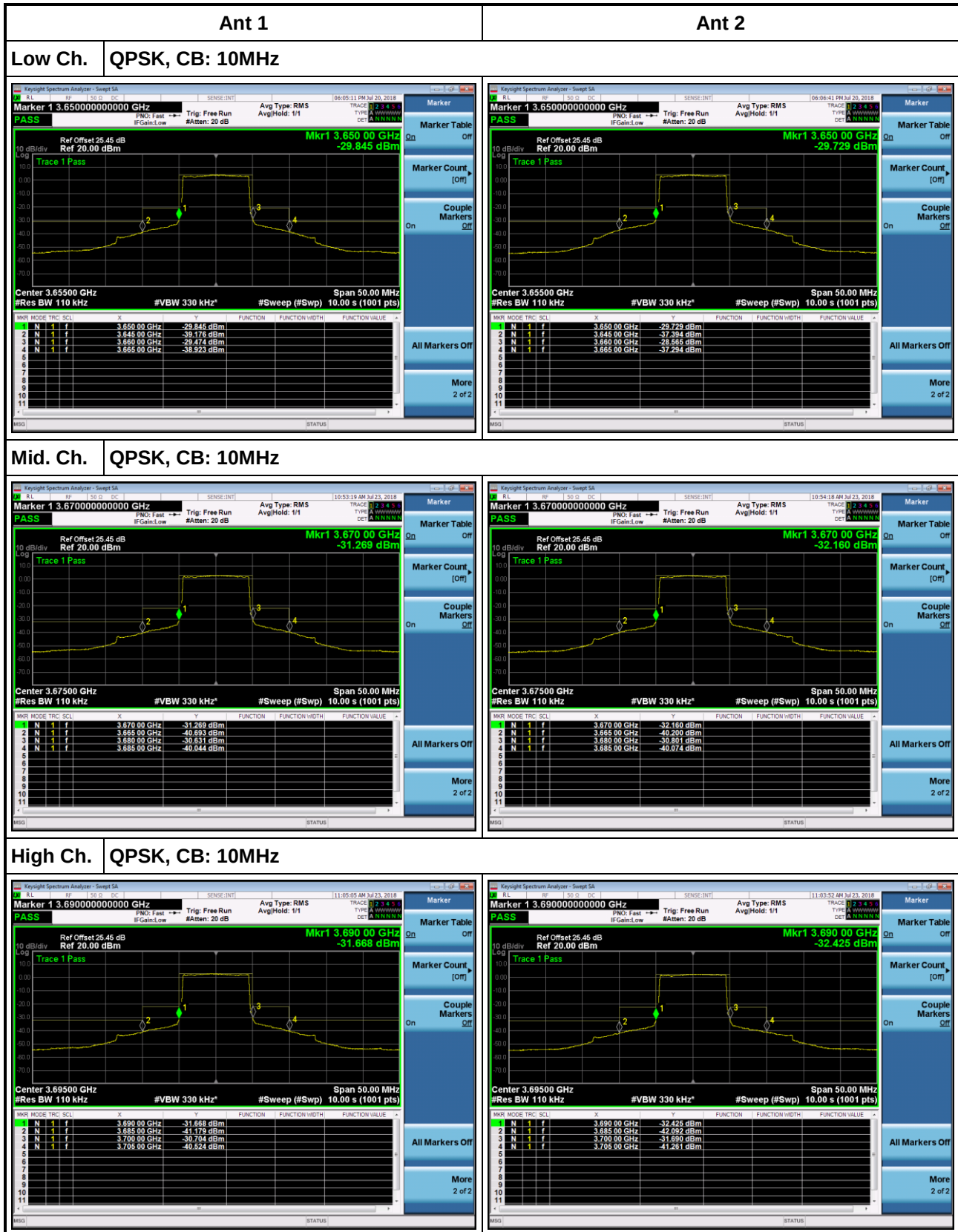
CDD mode



CA mode



3.4.4 Test Result of Emission Mask (CDD Mode)



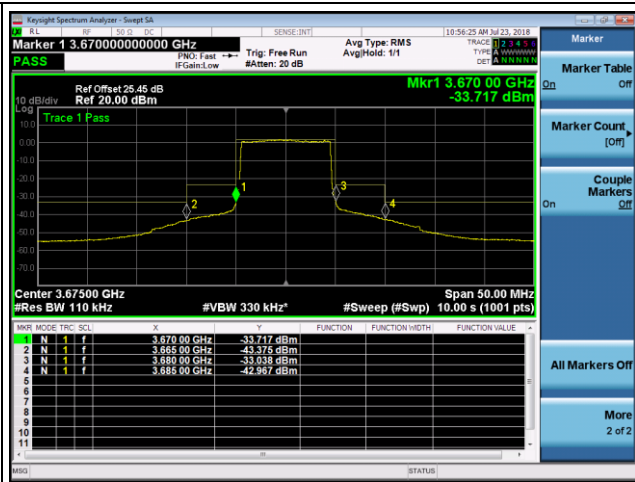
Ant 1

Ant 2

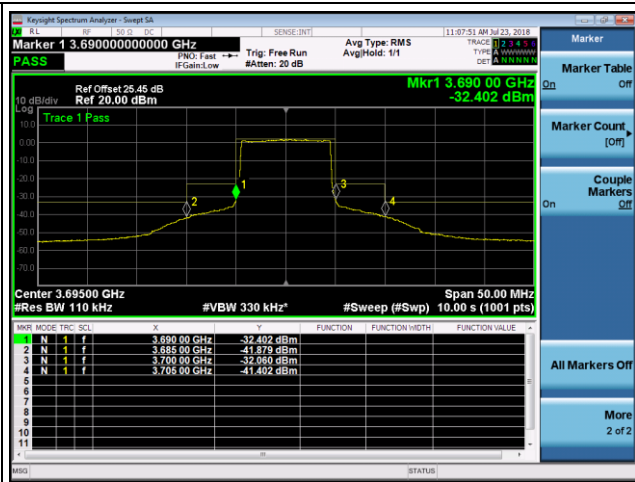
Low Ch. 16QAM, CB: 10MHz



Mid. Ch. 16QAM, CB: 10MHz



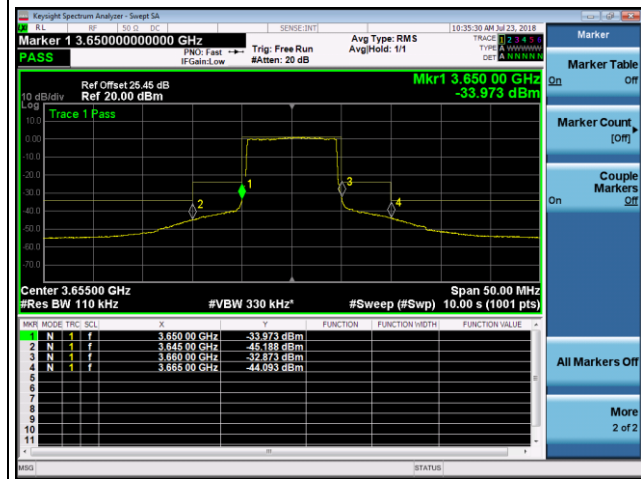
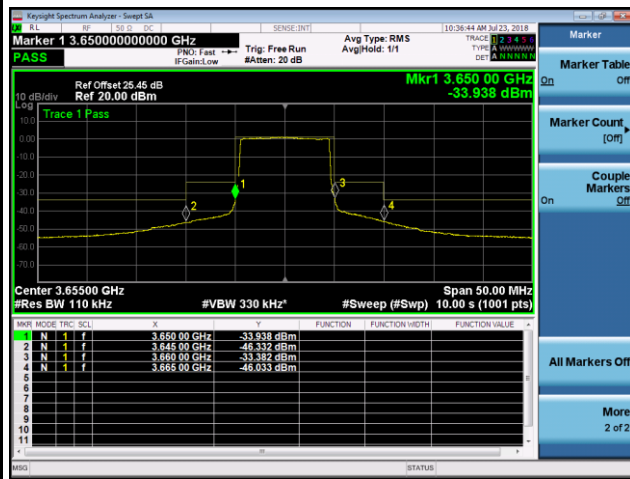
High Ch. 16QAM, CB: 10MHz



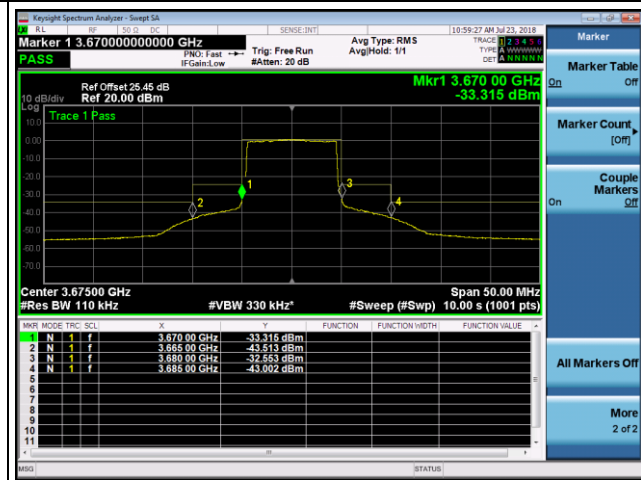
Ant 1

Ant 2

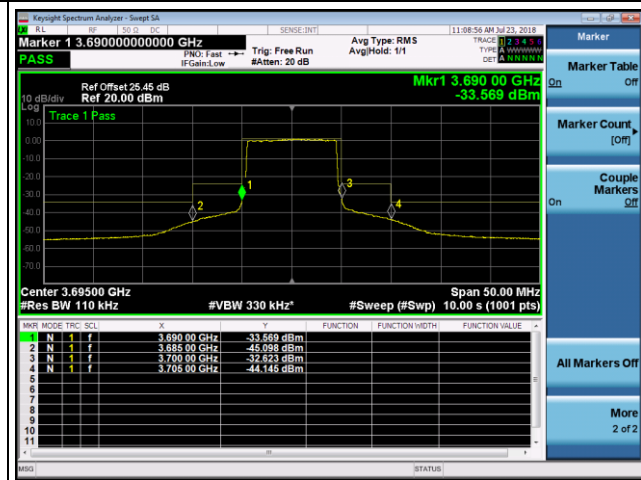
Low Ch. 64QAM, CB: 10MHz



Mid. Ch. 64QAM, CB: 10MHz



High Ch. 64QAM, CB: 10MHz



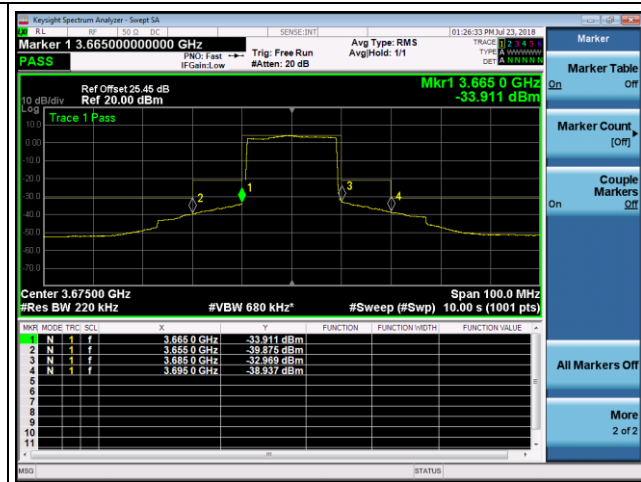
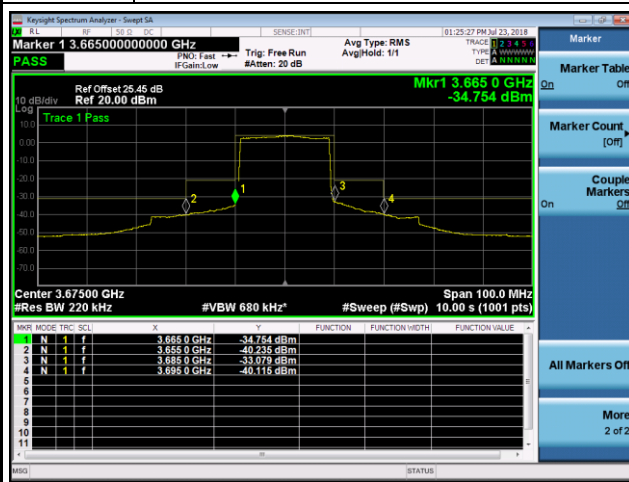
Ant 1

Ant 2

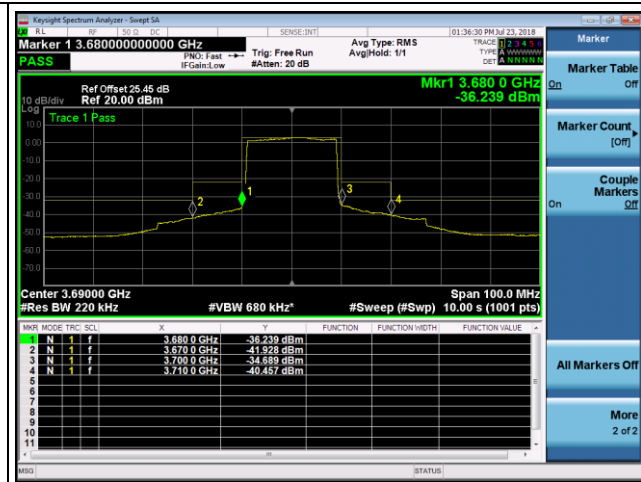
Low Ch. QPSK, CB: 20MHz



Mid. Ch. QPSK, CB: 20MHz



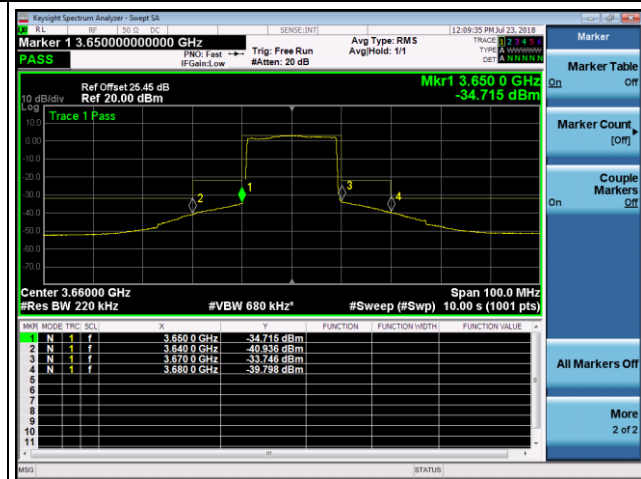
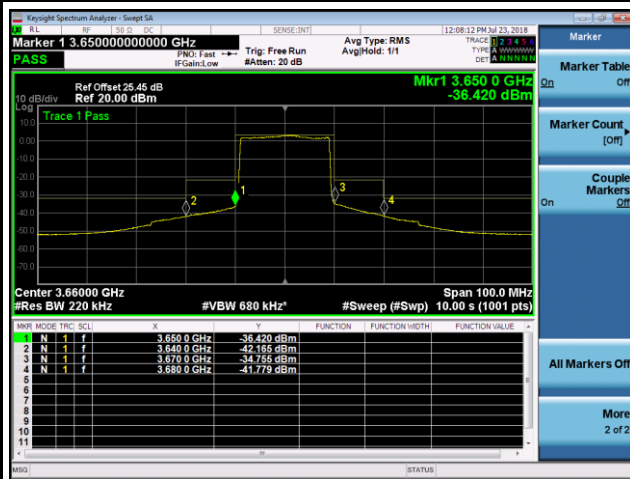
High Ch. QPSK, CB: 20MHz



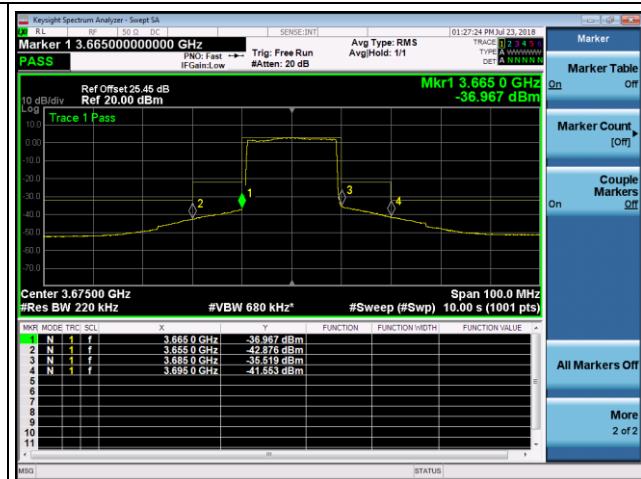
Ant 1

Ant 2

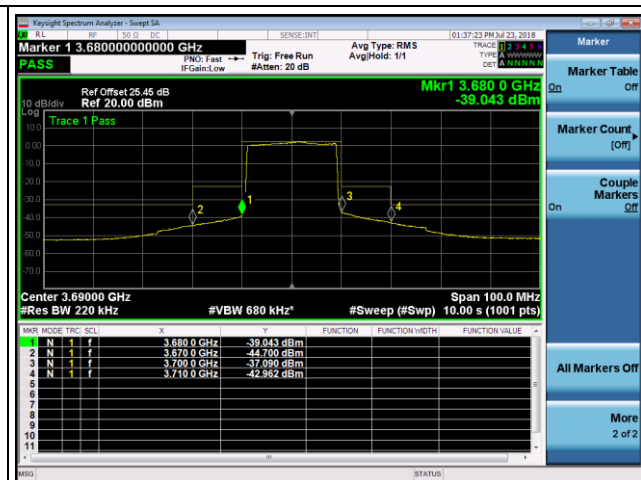
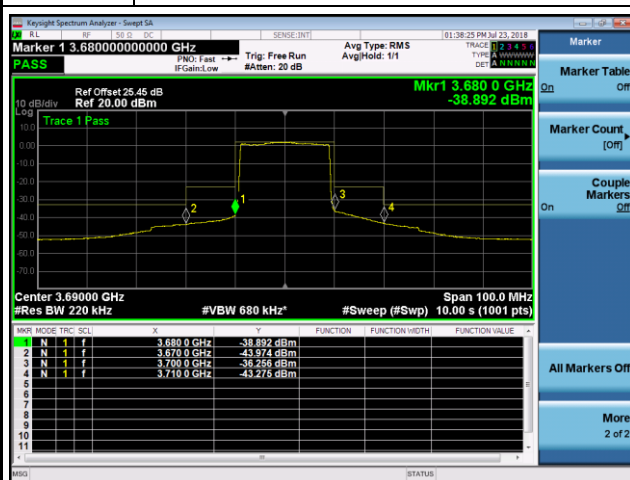
Low Ch. 16QAM, CB: 20MHz



Mid. Ch. 16QAM, CB: 20MHz



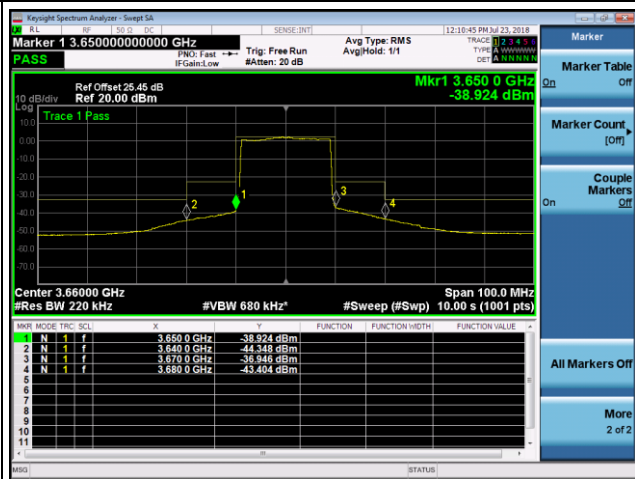
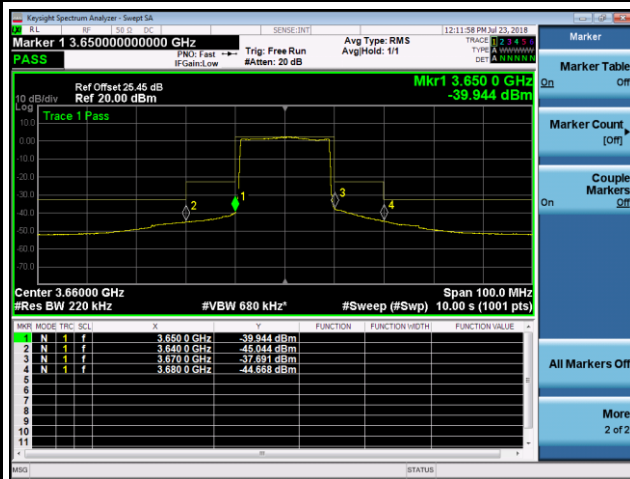
High Ch. 16QAM, CB: 20MHz



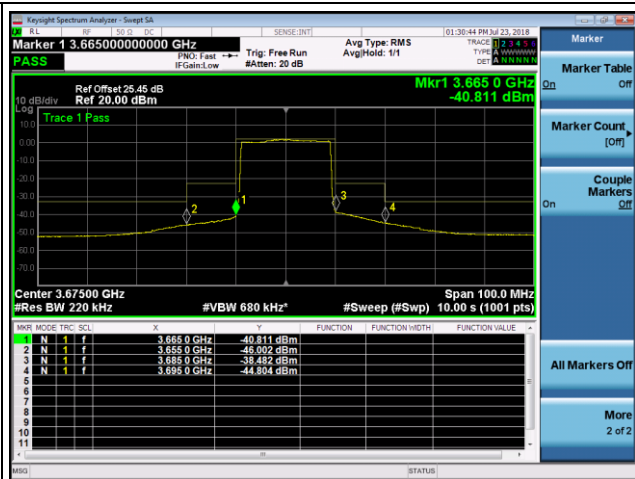
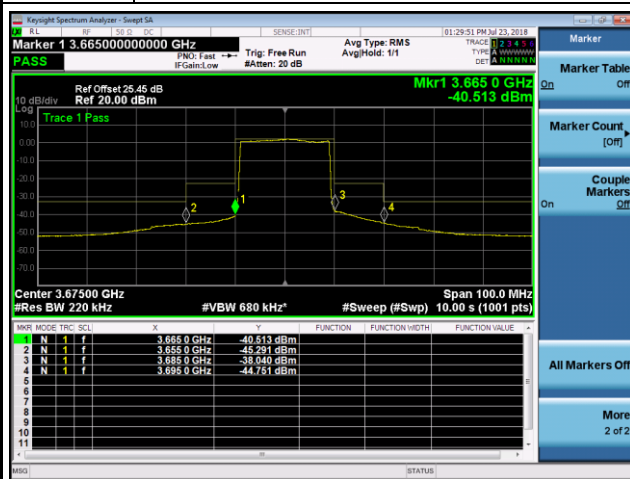
Ant 1

Ant 2

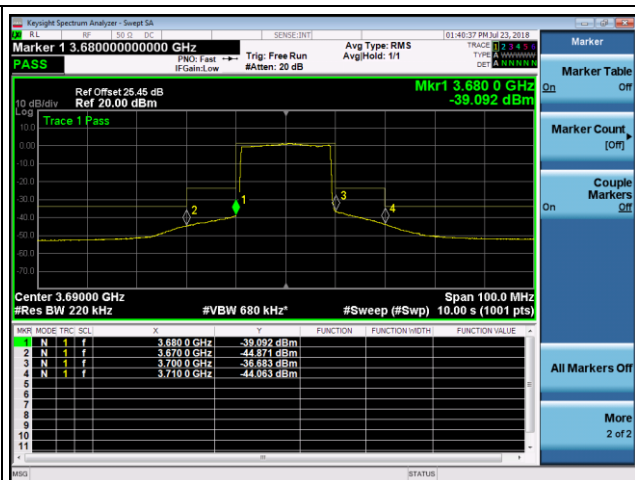
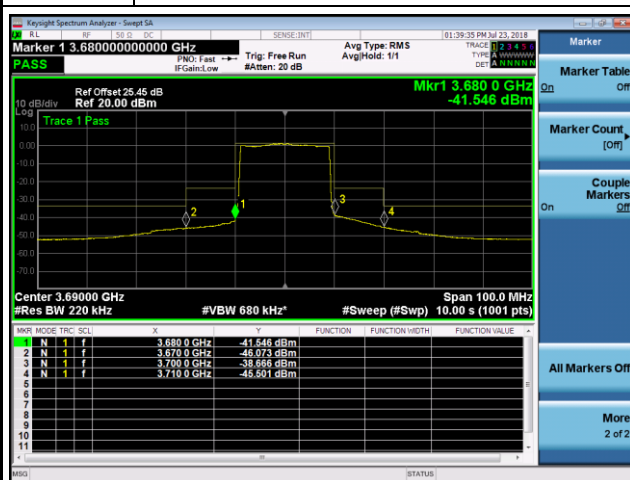
Low Ch. 64QAM, CB: 20MHz



Mid. Ch. 64QAM, CB: 20MHz



High Ch. 64QAM, CB: 20MHz



3.4.5 Test Result of Emission Mask (CA Mode)

