

9.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

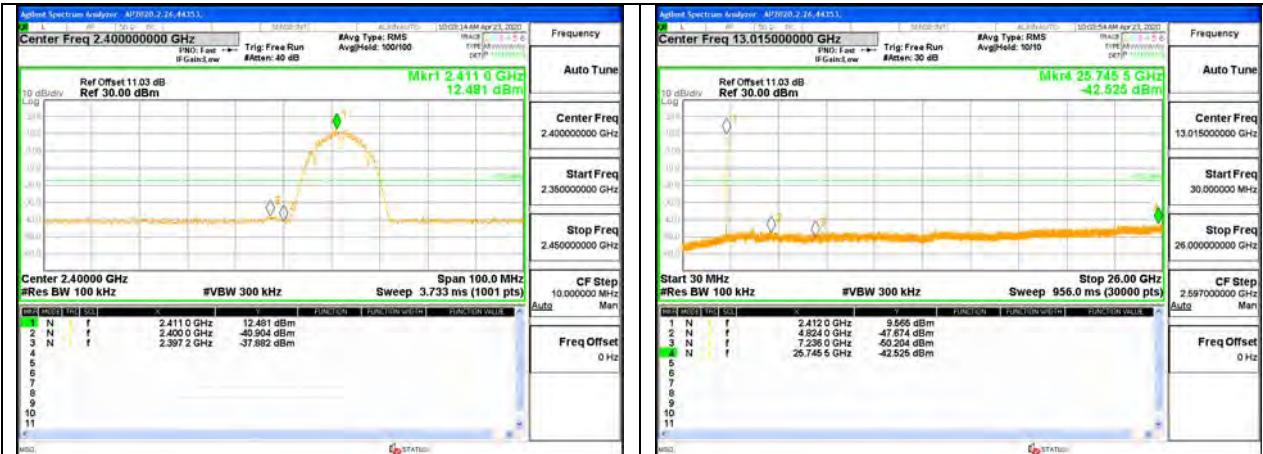
RSS-247 5.5

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. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

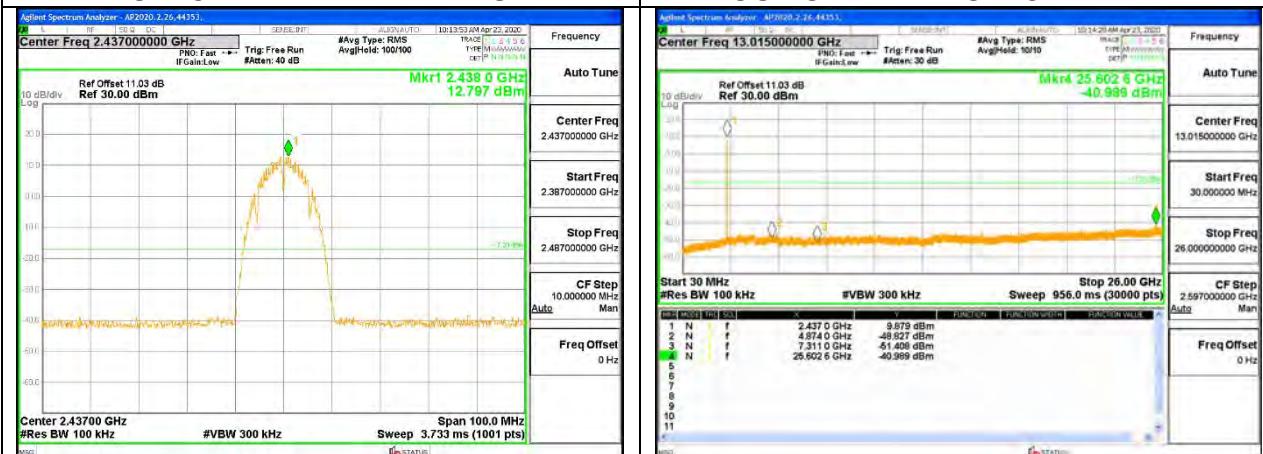
RESULTS

9.6.1. 802.11b MODE 1TX

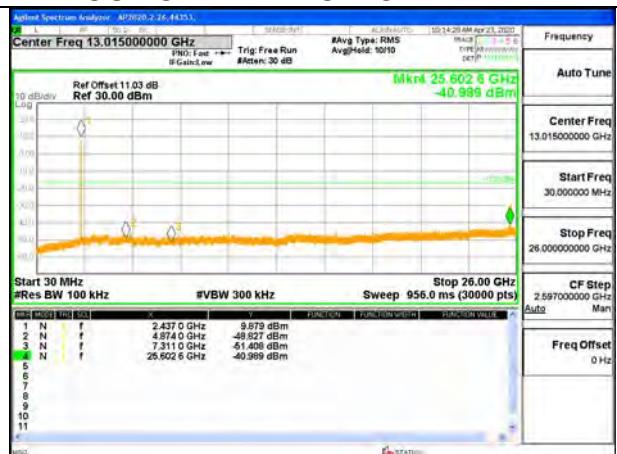
1TX ANT 4



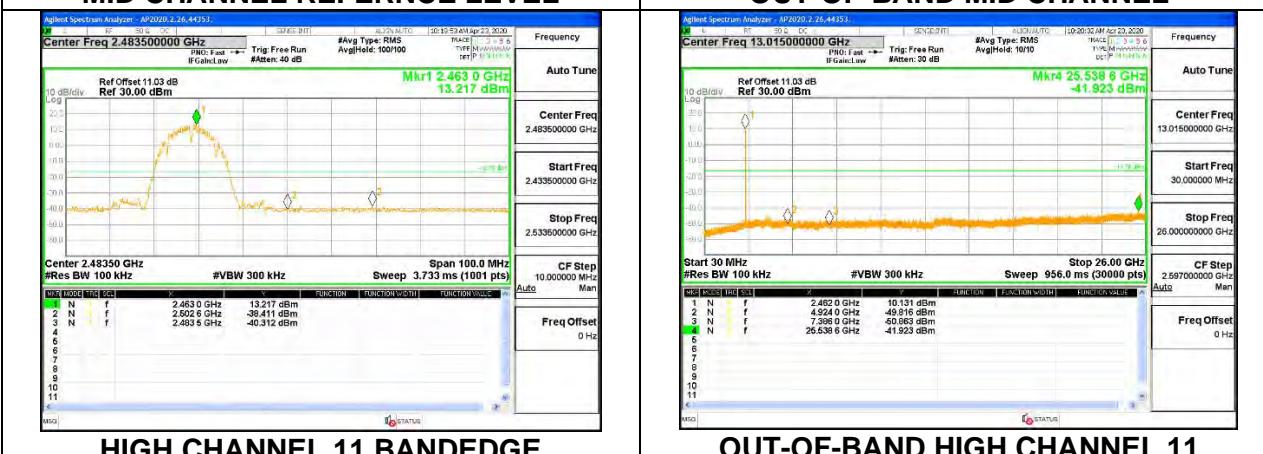
LOW CHANNEL 1 BANDEDGE



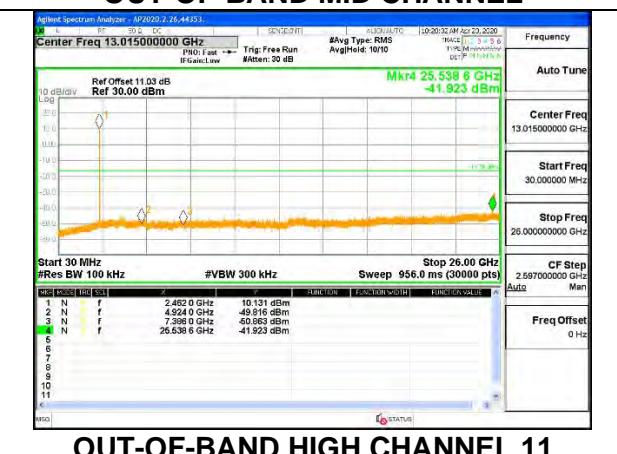
OUT-OF-BAND LOW CHANNEL 1



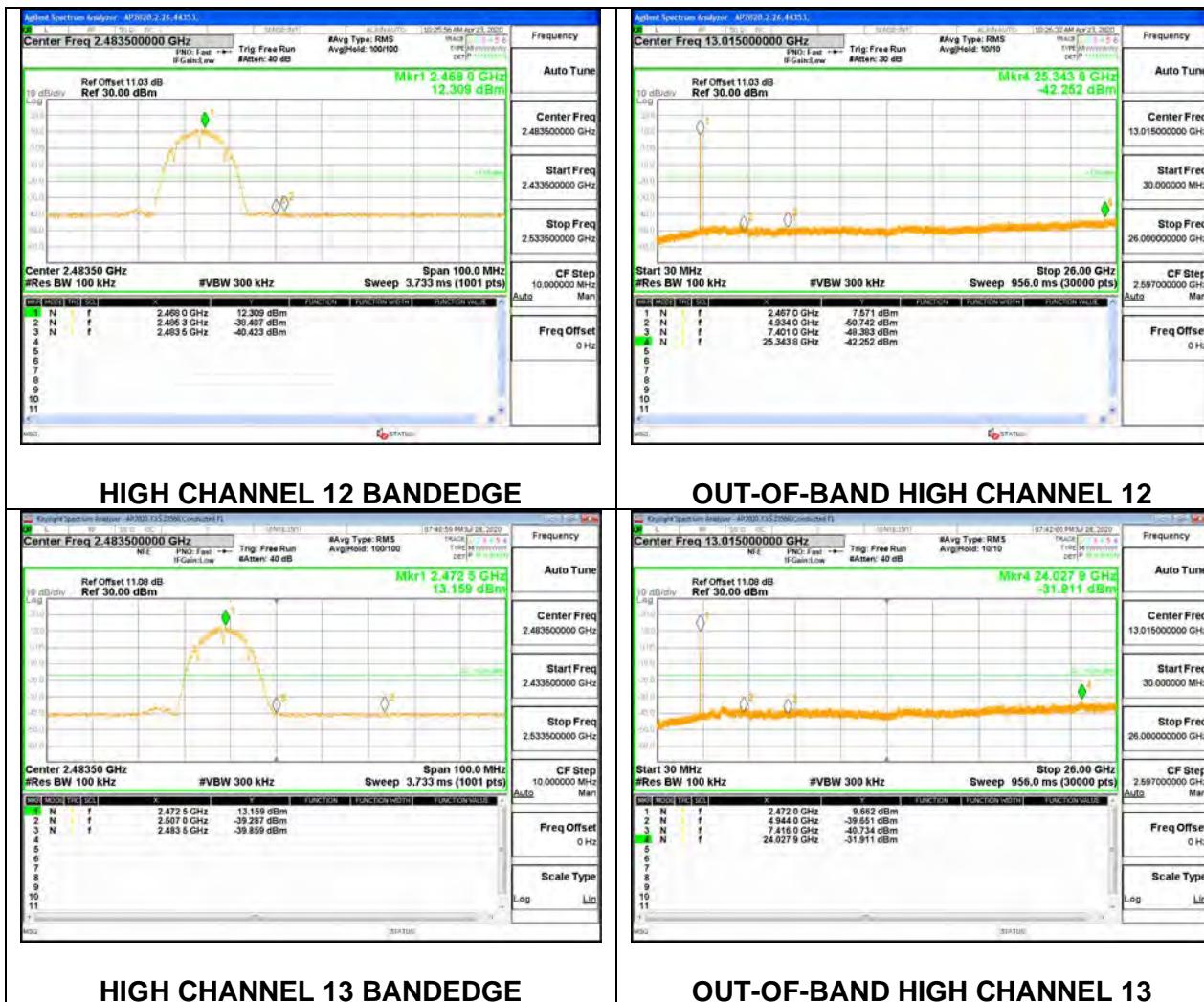
MID CHANNEL REFERENCE LEVEL



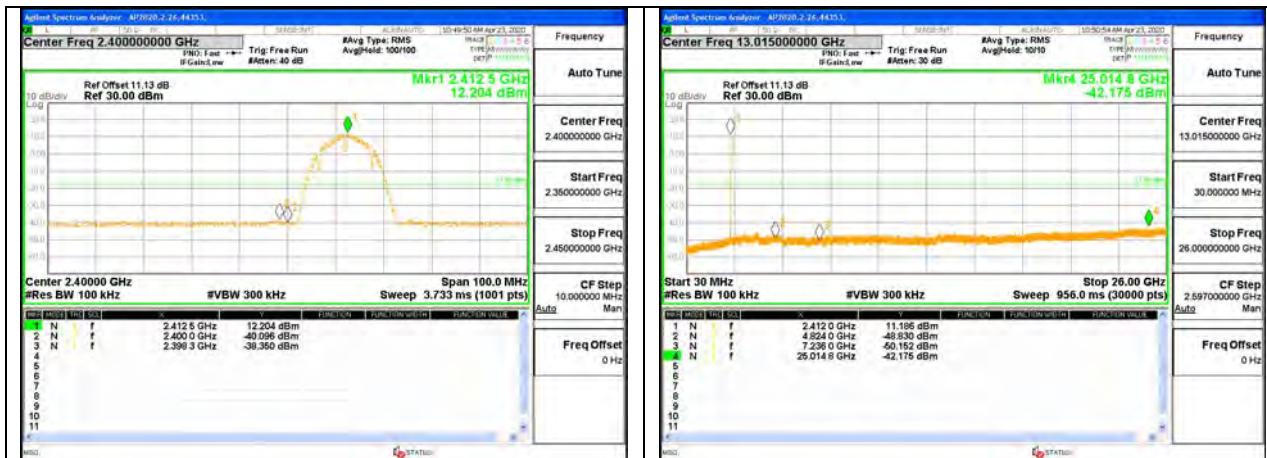
HIGH CHANNEL 11 BANDEDGE



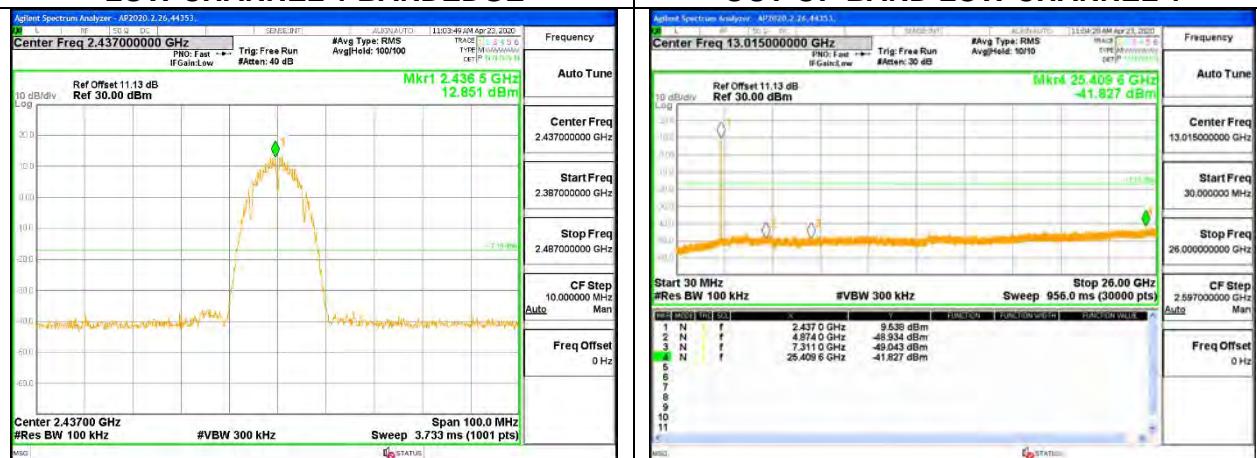
OUT-OF-BAND MID CHANNEL



1TX ANT 3



LOW CHANNEL 1 BANDEDGE

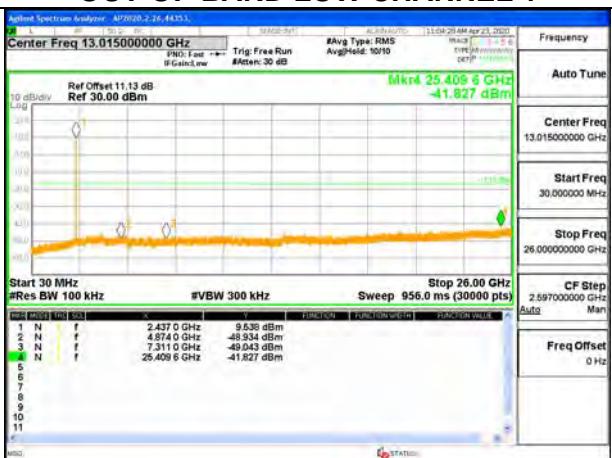


MID CHANNEL REFERENCE LEVEL



HIGH CHANNEL 11 BANDEDGE

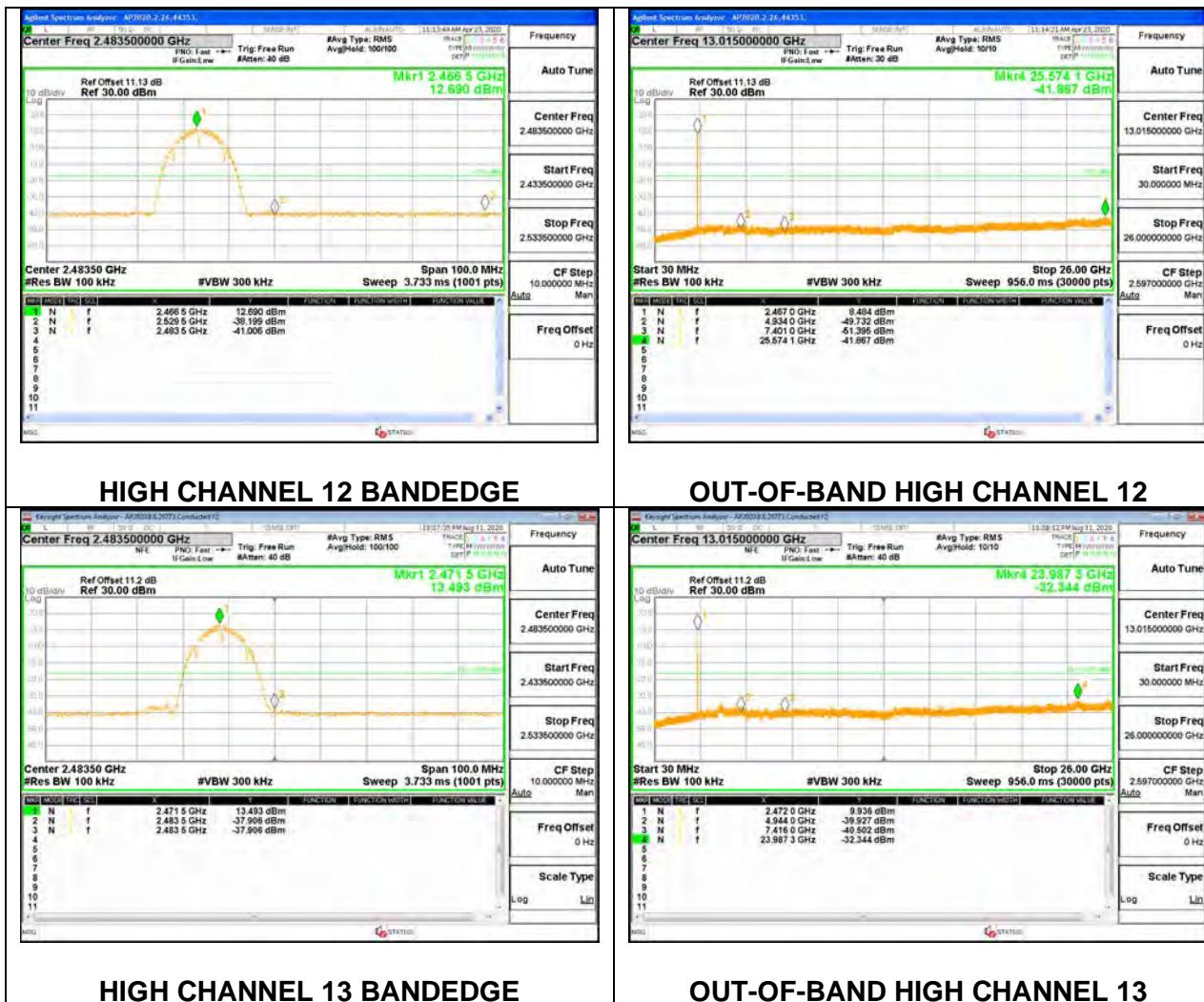
OUT-OF-BAND LOW CHANNEL 1



OUT-OF-BAND MID CHANNEL

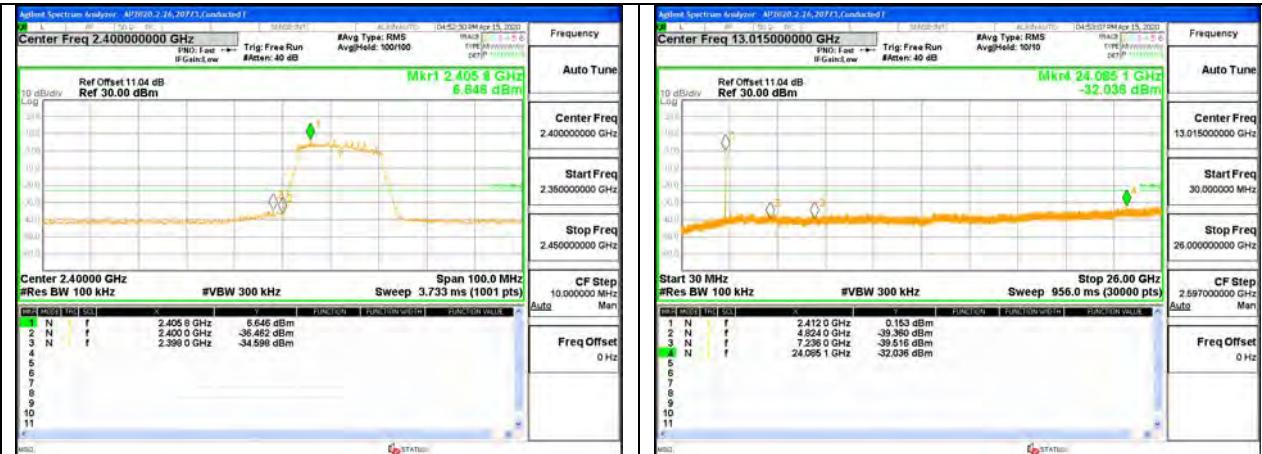


OUT-OF-BAND HIGH CHANNEL 11

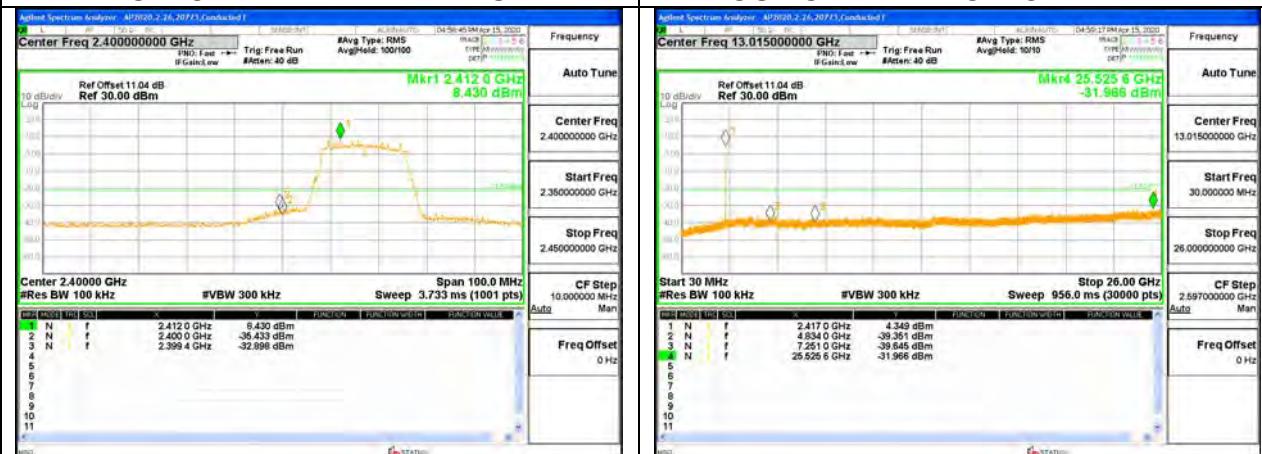


9.6.2. 802.11n HT20 MODE

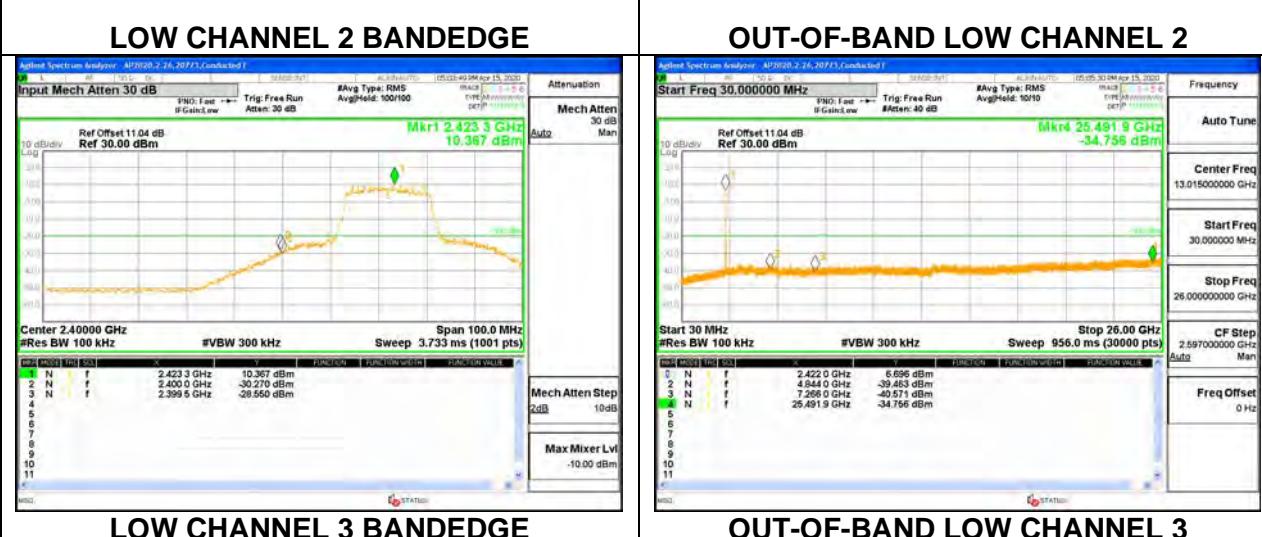
1TX ANT 4



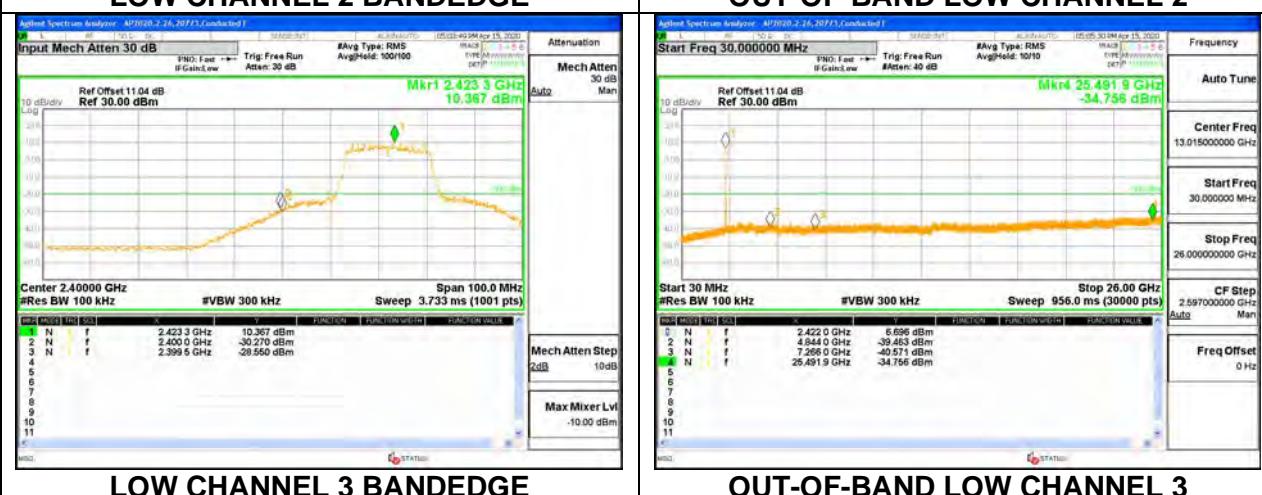
LOW CHANNEL 1 BANDEDGE



OUT-OF-BAND LOW CHANNEL 1



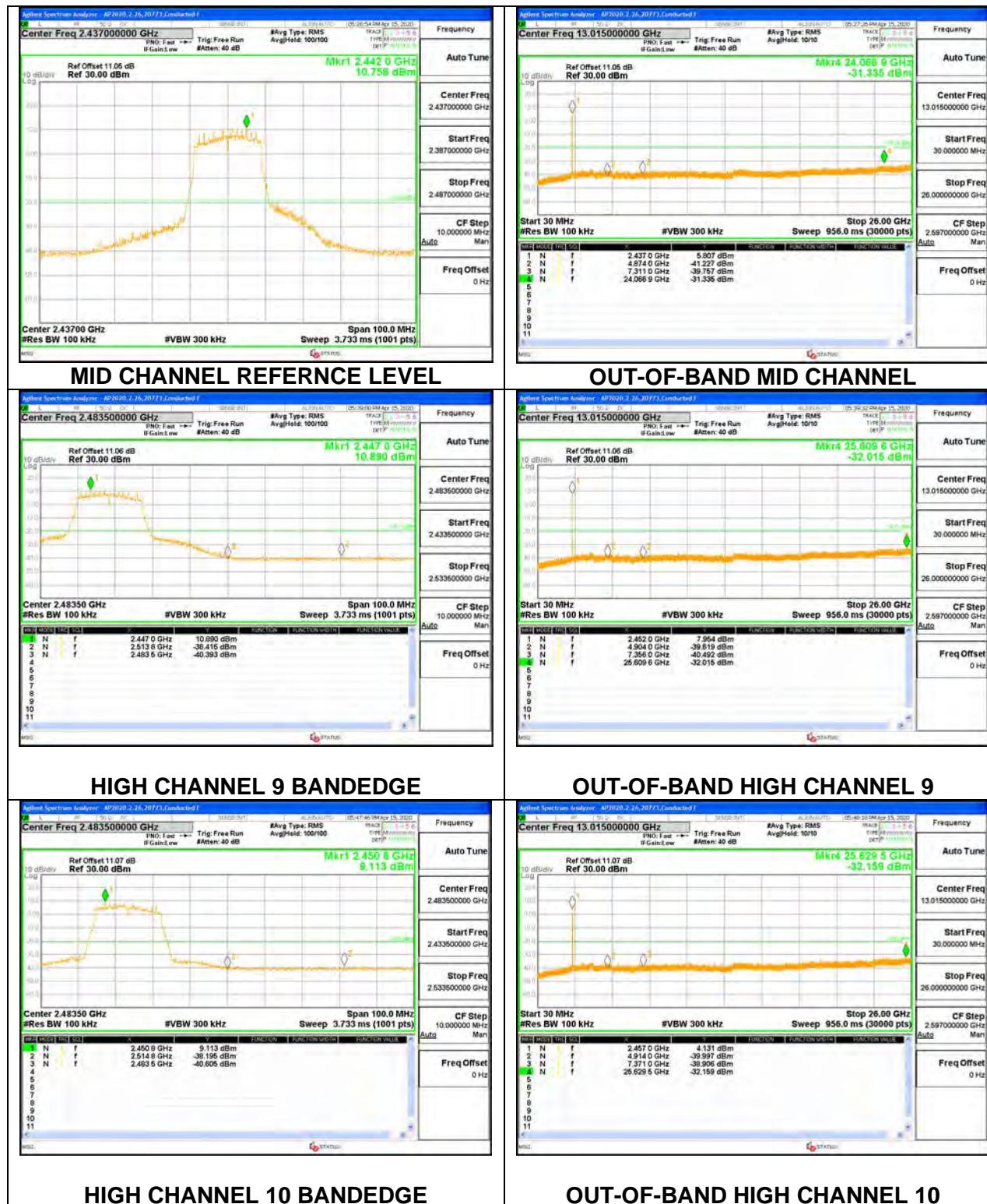
LOW CHANNEL 2 BANDEDGE

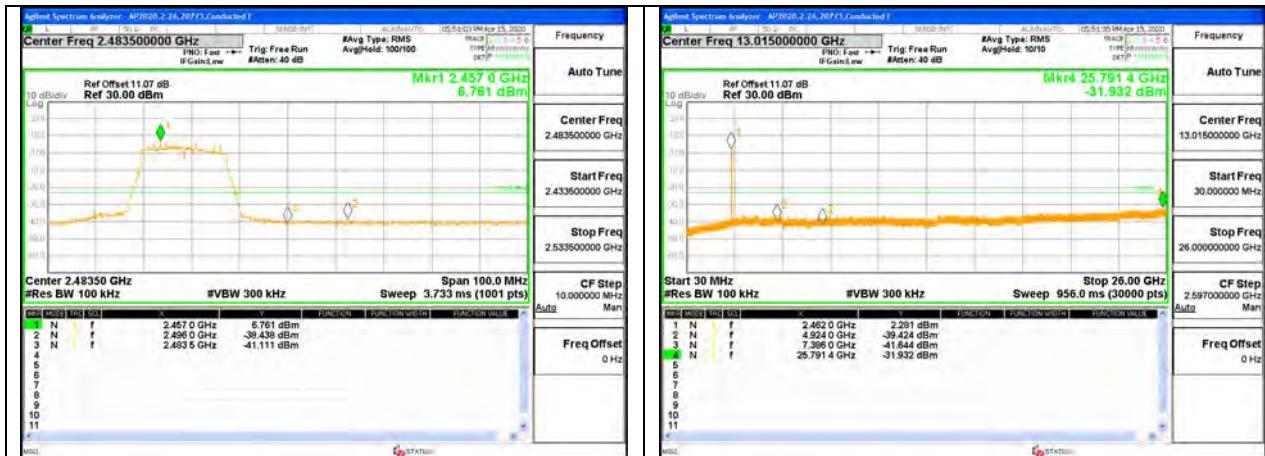


OUT-OF-BAND LOW CHANNEL 2

LOW CHANNEL 3 BANDEDGE

OUT-OF-BAND LOW CHANNEL 3





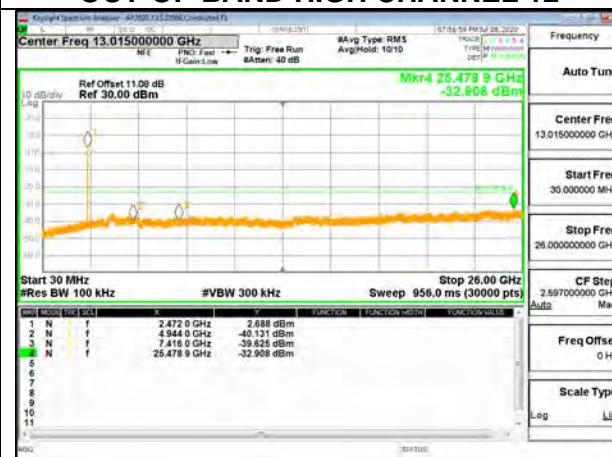
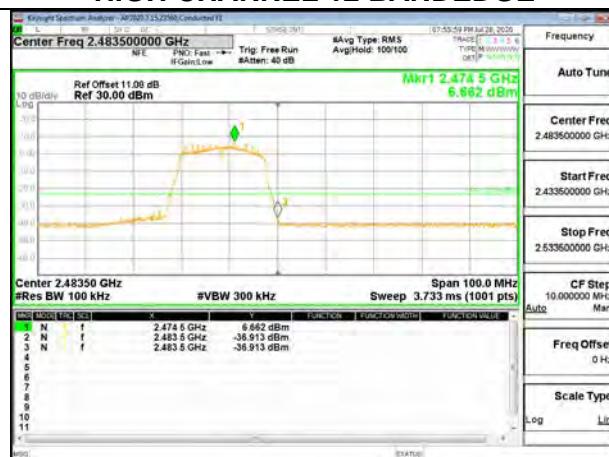
HIGH CHANNEL 11 BANDEDGE



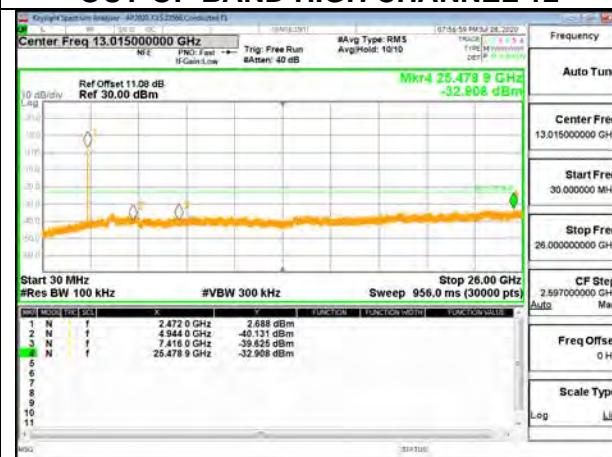
OUT-OF-BAND HIGH CHANNEL 11



HIGH CHANNEL 12 BANDEDGE



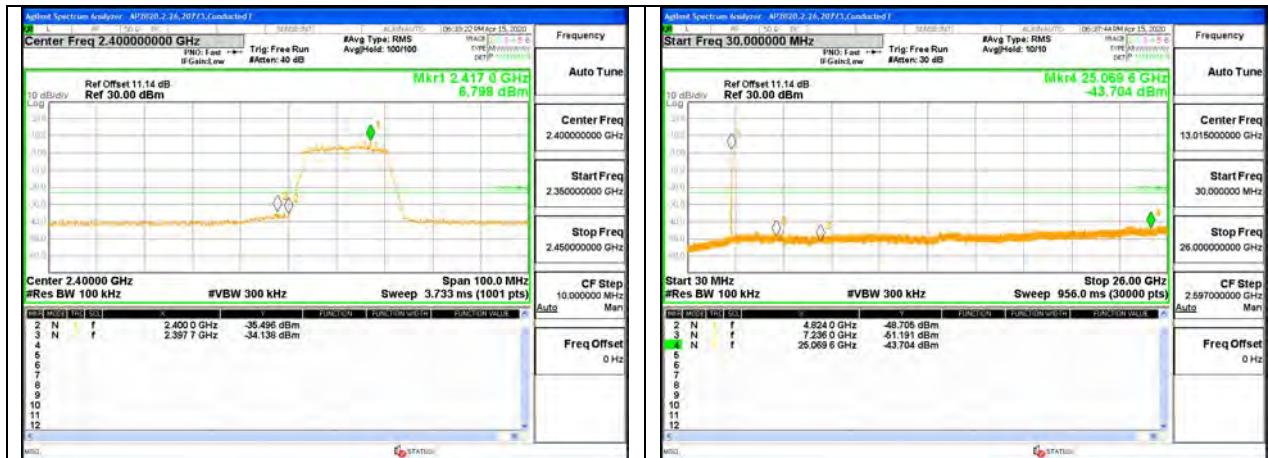
OUT-OF-BAND HIGH CHANNEL 12



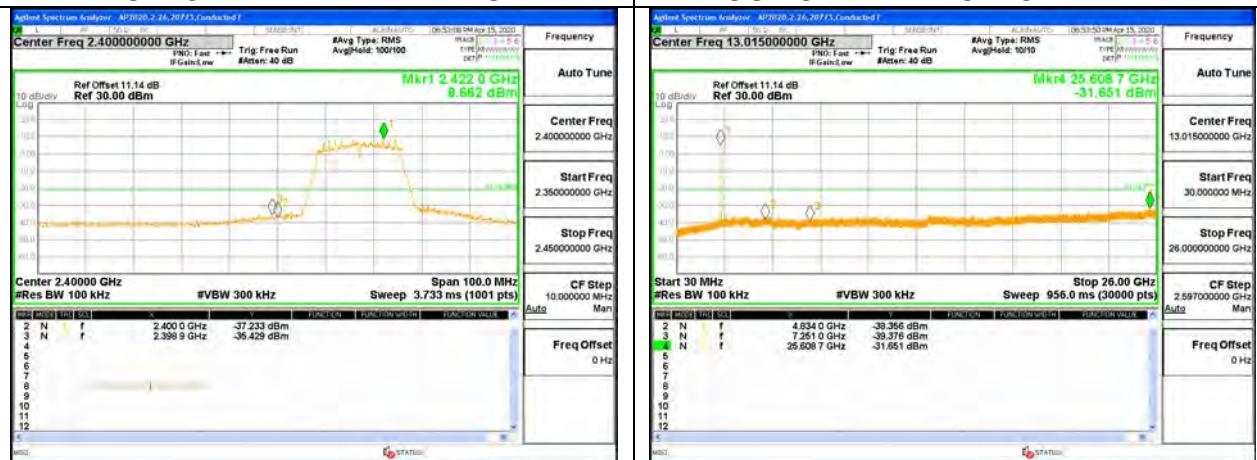
HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 13

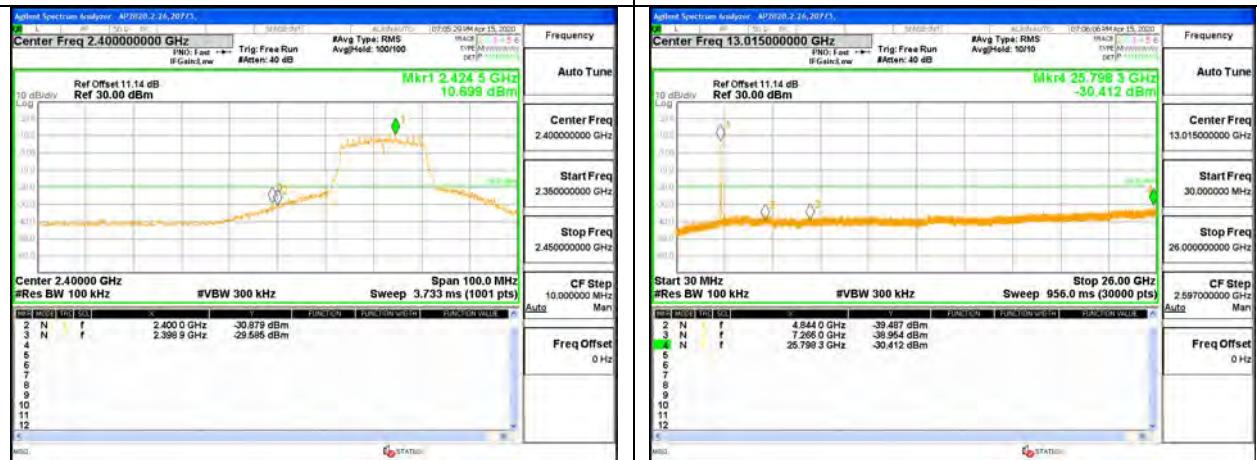
1TX ANT 3



LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE

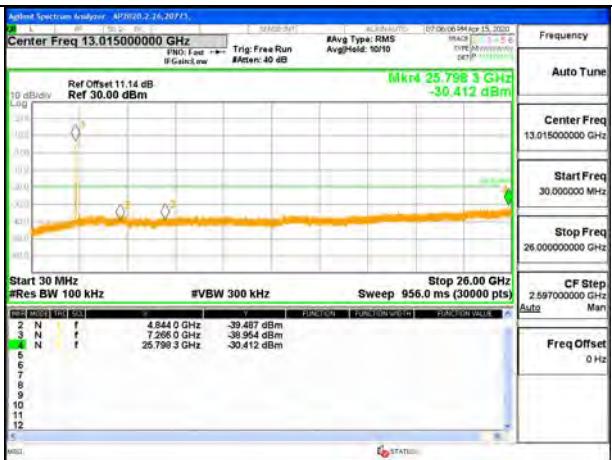


LOW CHANNEL 3 BANDEDGE

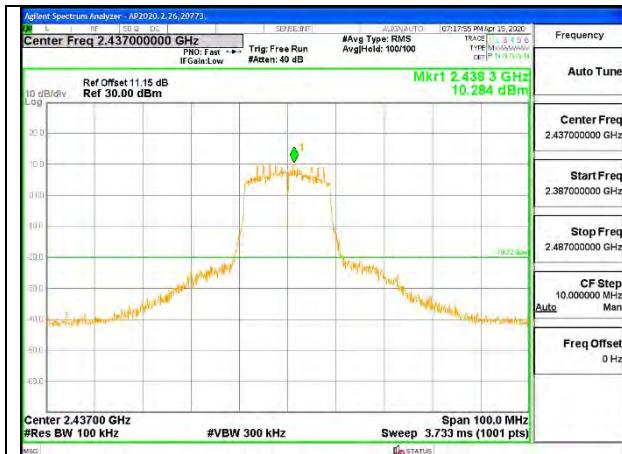
OUT-OF-BAND LOW CHANNEL 1



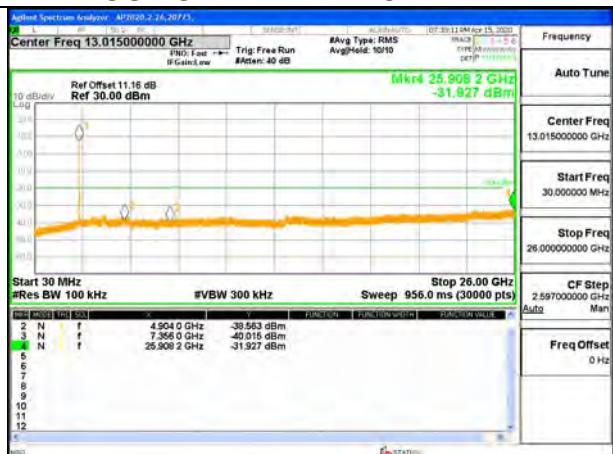
OUT-OF-BAND LOW CHANNEL 2



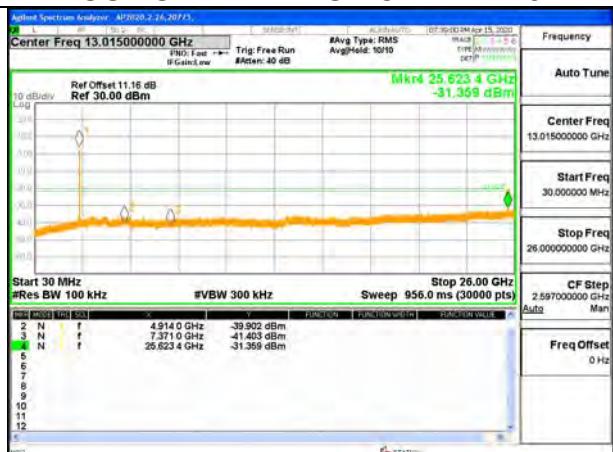
OUT-OF-BAND LOW CHANNEL 3



MID CHANNEL REFERENCE LEVEL

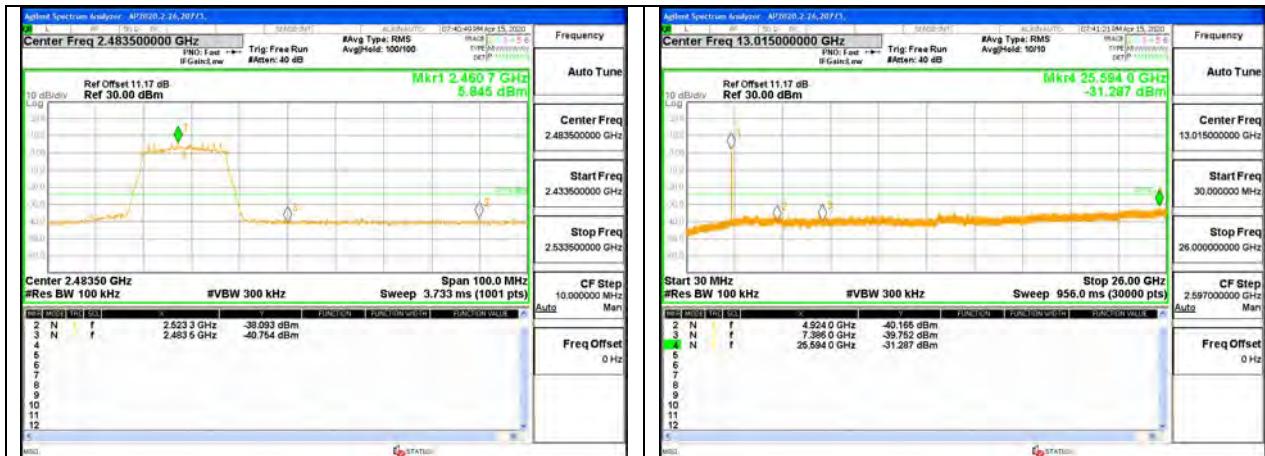


HIGH CHANNEL 9 BANDEDGE



HIGH CHANNEL 10 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 10



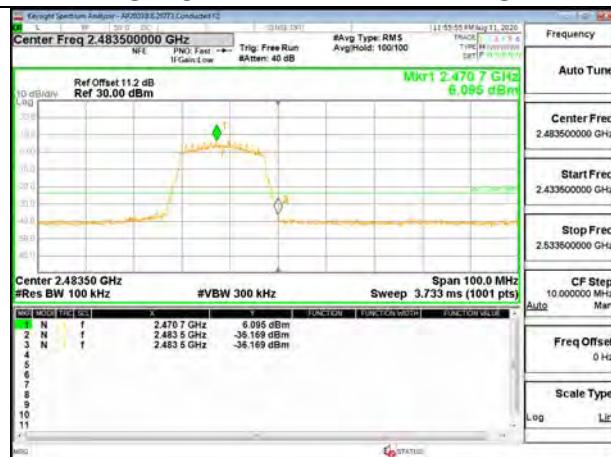
HIGH CHANNEL 11 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 11



HIGH CHANNEL 12 BANDEDGE



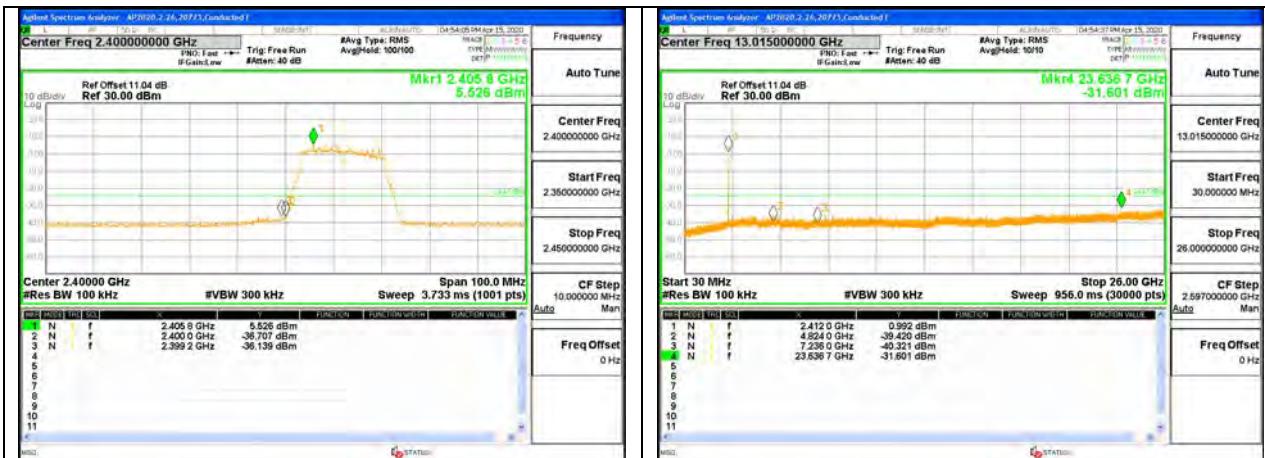
OUT-OF-BAND HIGH CHANNEL 12



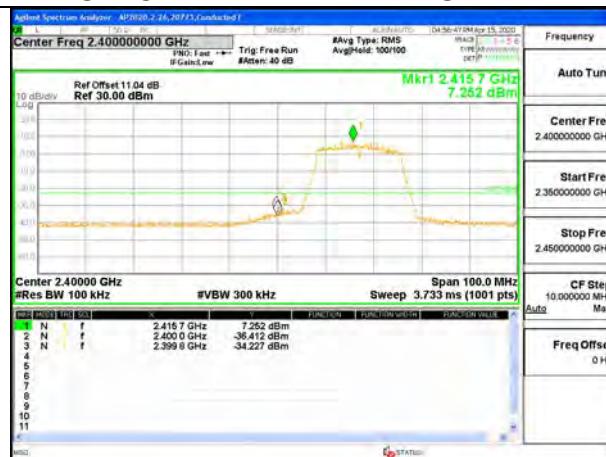
HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 13

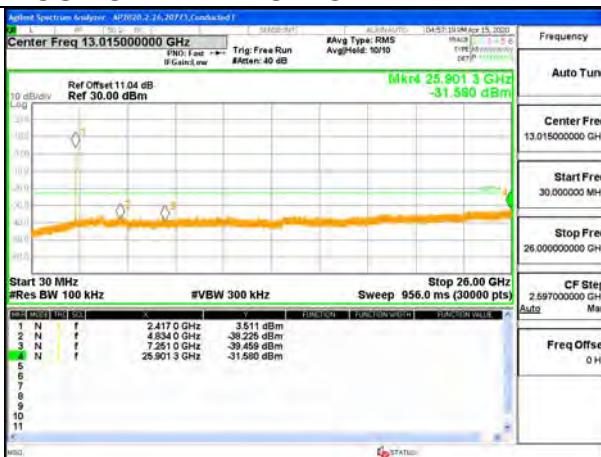
9.6.3. 802.11n HT20 MODE 2TX
2TX ANT 4 + ANT 3 CDD



LOW CHANNEL 1 BANDEDGE ANT 4



OUT-OF-BAND LOW CHANNEL 1 ANT 4



LOW CHANNEL 2 BANDEDGE ANT 4

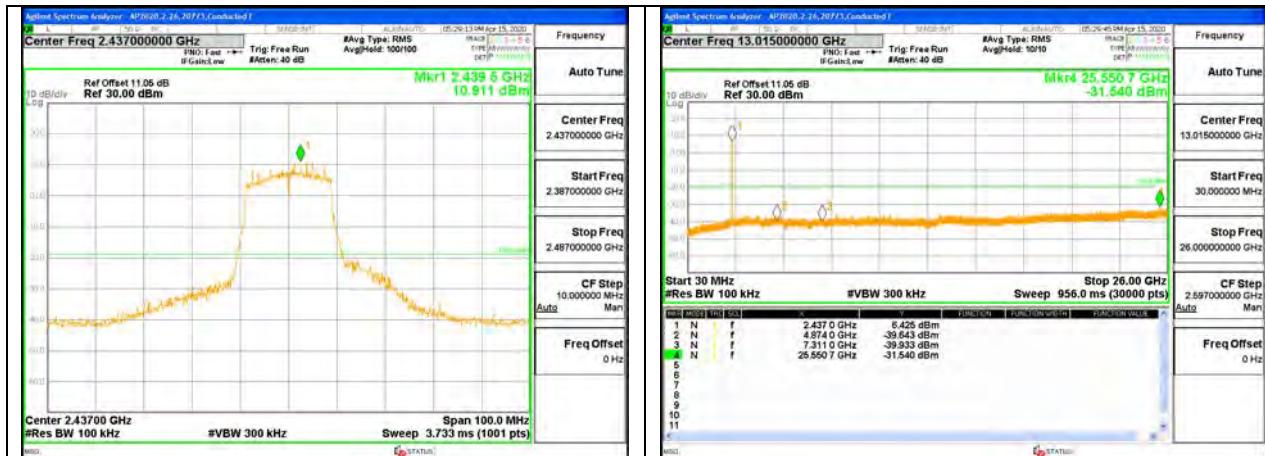


OUT-OF-BAND LOW CHANNEL 2 ANT 4



LOW CHANNEL 3 BANDEDGE ANT 4

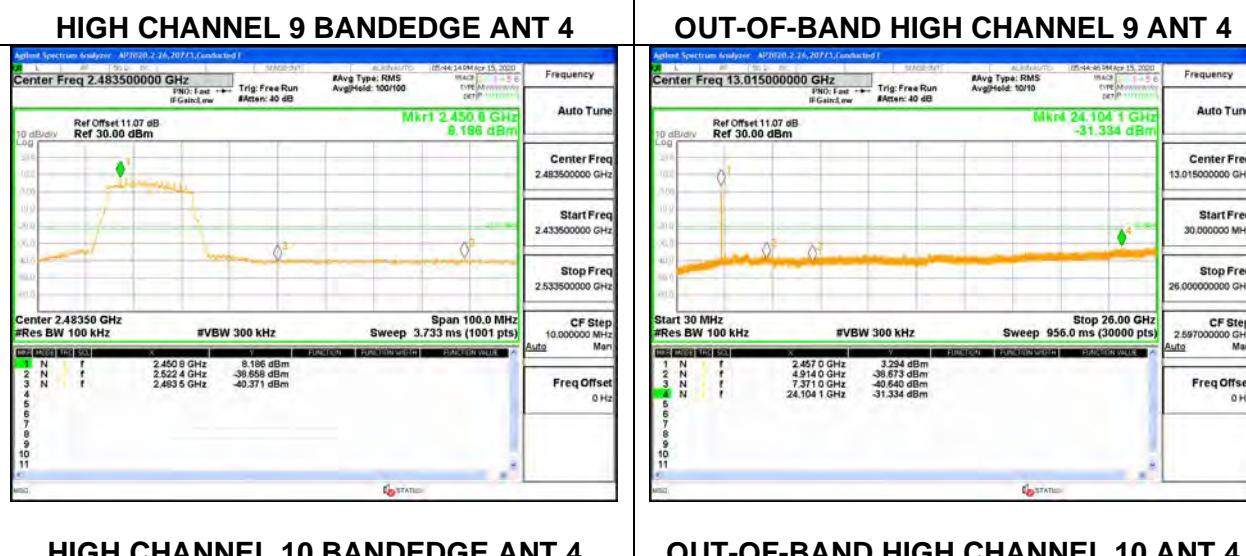
OUT-OF-BAND LOW CHANNEL 3 ANT 4



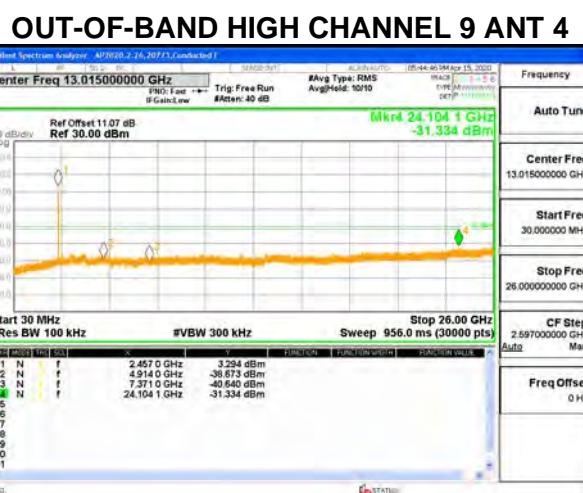
MID CHANNEL REFERENCE LEVEL ANT 4



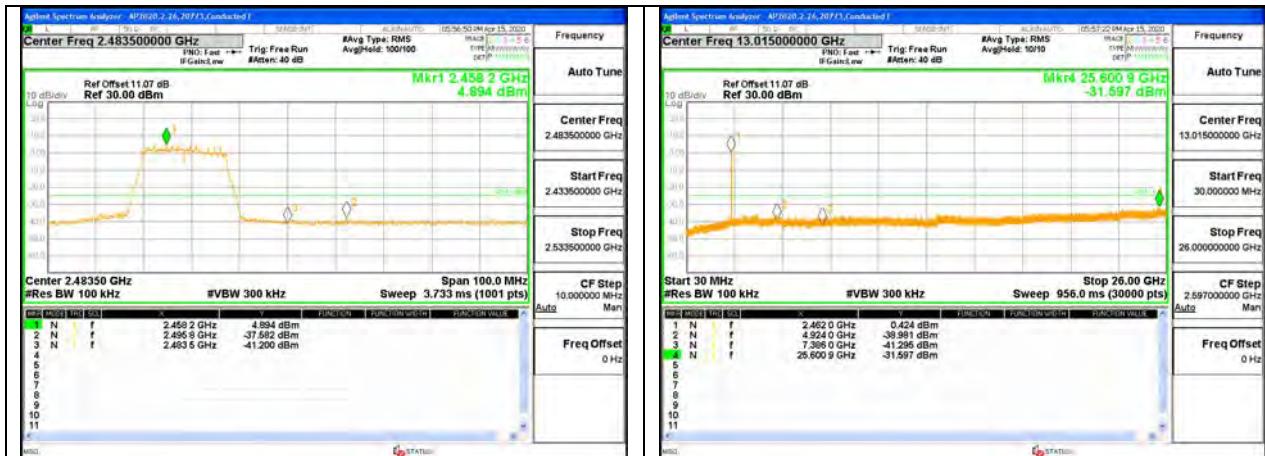
OUT-OF-BAND MID CHANNEL ANT 4



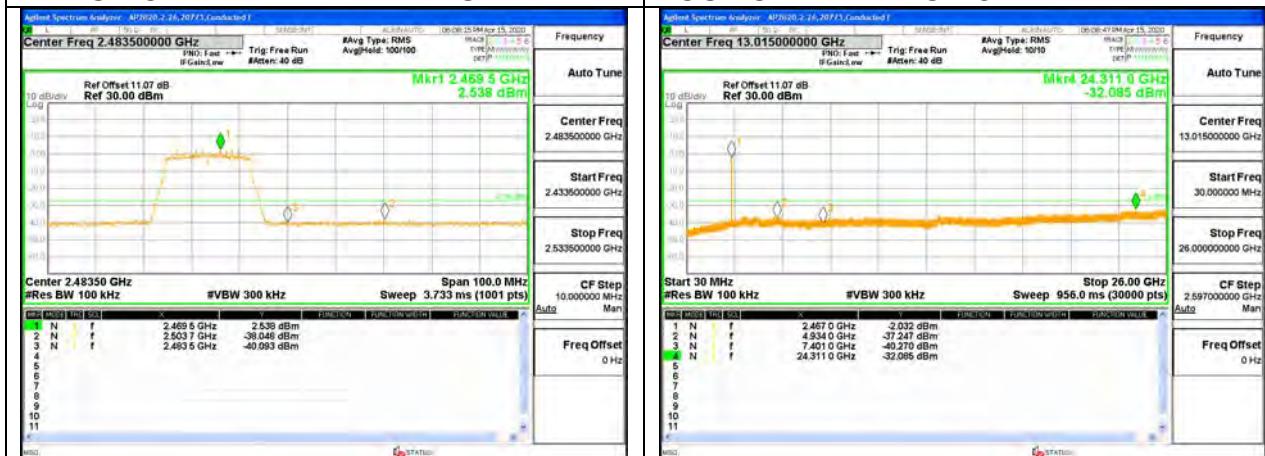
HIGH CHANNEL 9 BANDEDGE ANT 4



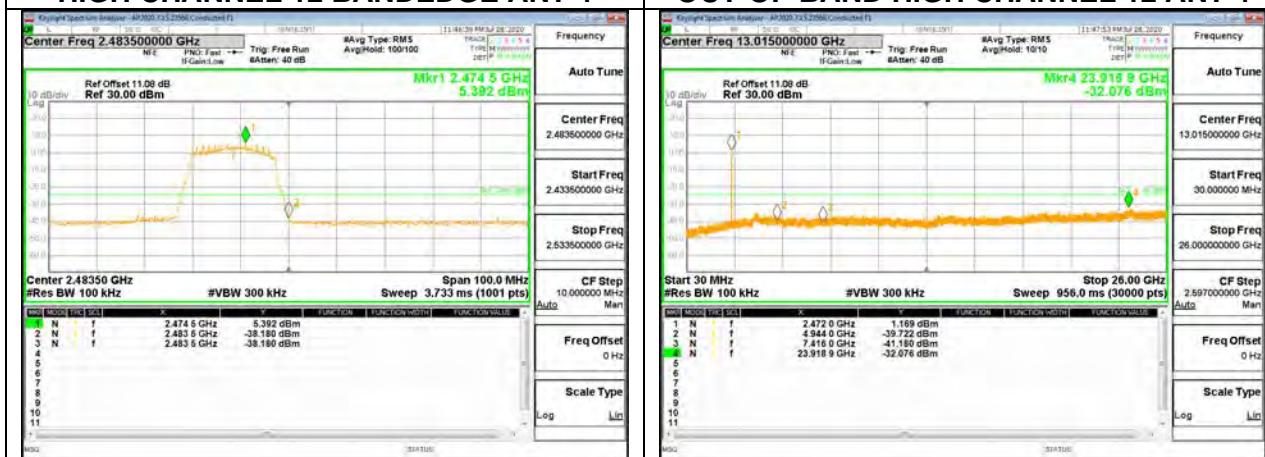
OUT-OF-BAND HIGH CHANNEL 10 ANT 4



HIGH CHANNEL 11 BANDEDGE ANT 4



HIGH CHANNEL 12 BANDEDGE ANT 4

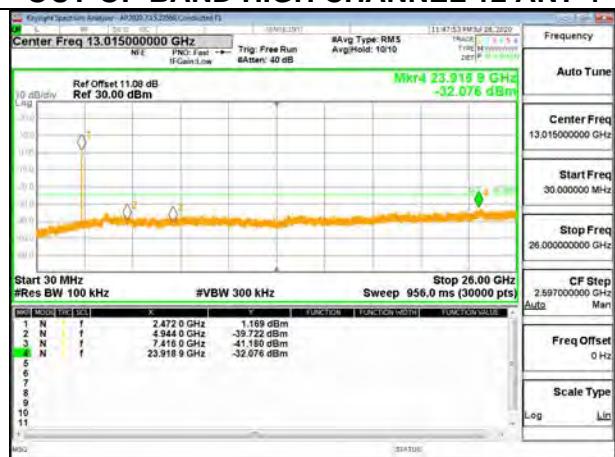


HIGH CHANNEL 13 BANDEDGE ANT 4

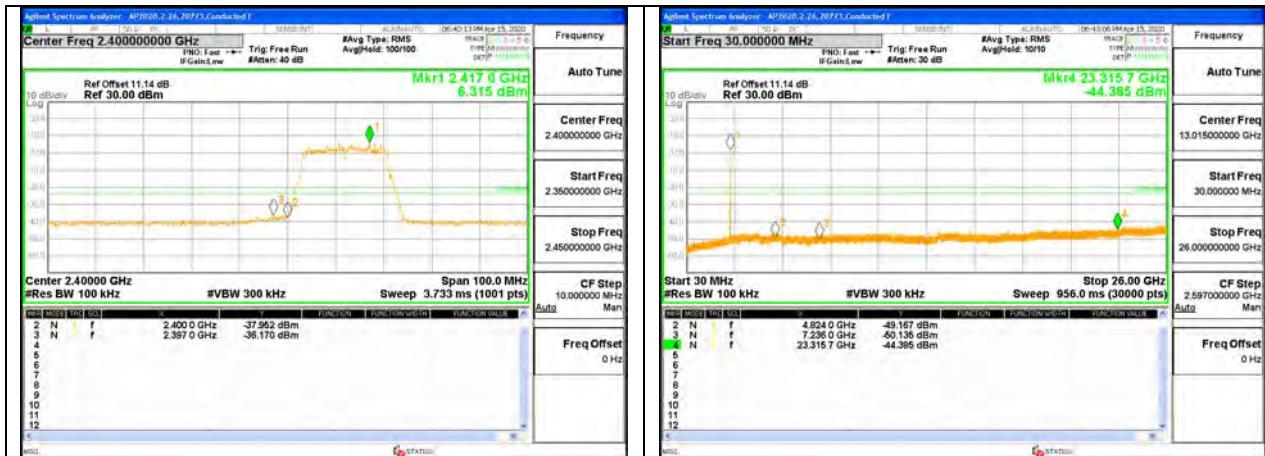
OUT-OF-BAND HIGH CHANNEL 11 ANT 4



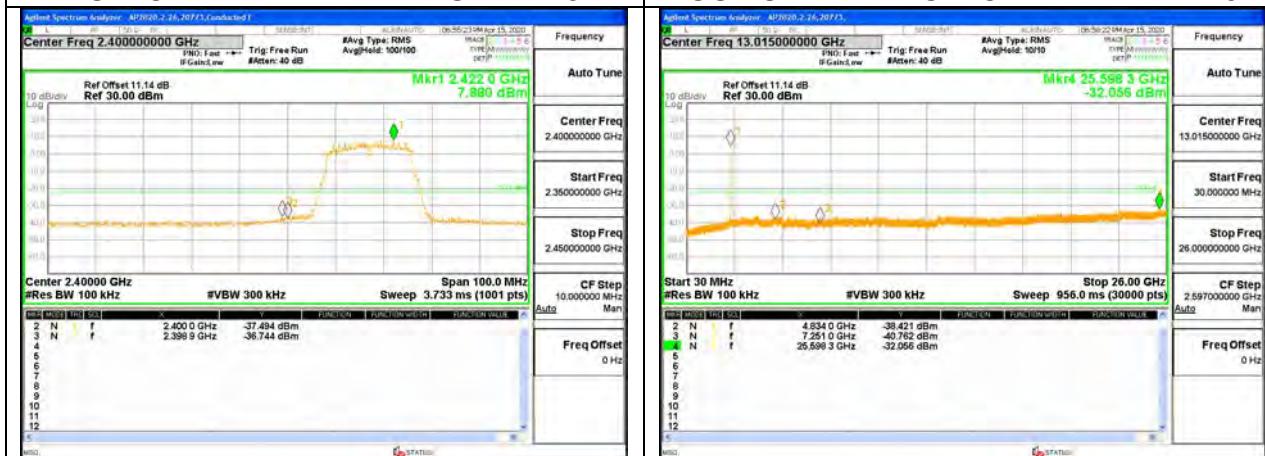
OUT-OF-BAND HIGH CHANNEL 12 ANT 4



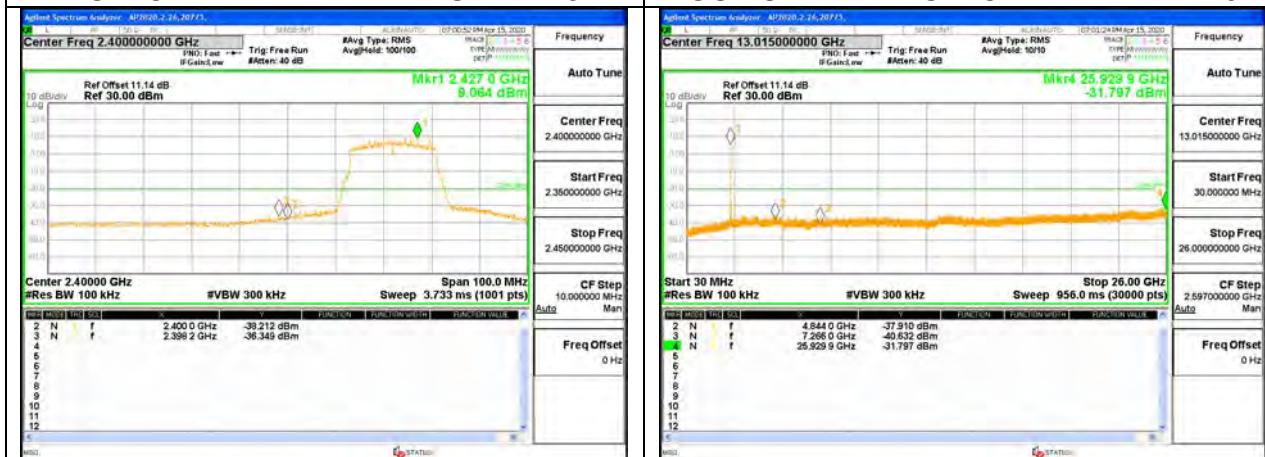
OUT-OF-BAND HIGH CHANNEL 13 ANT 4



LOW CHANNEL 1 BANDEDGE ANT 3



LOW CHANNEL 2 BANDEDGE ANT 3



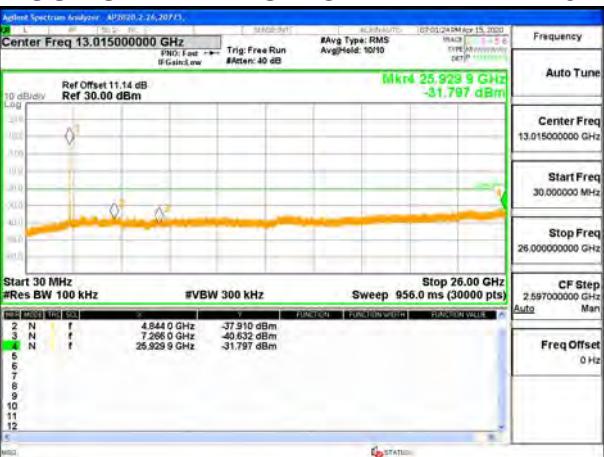
LOW CHANNEL 3 BANDEDGE ANT 3



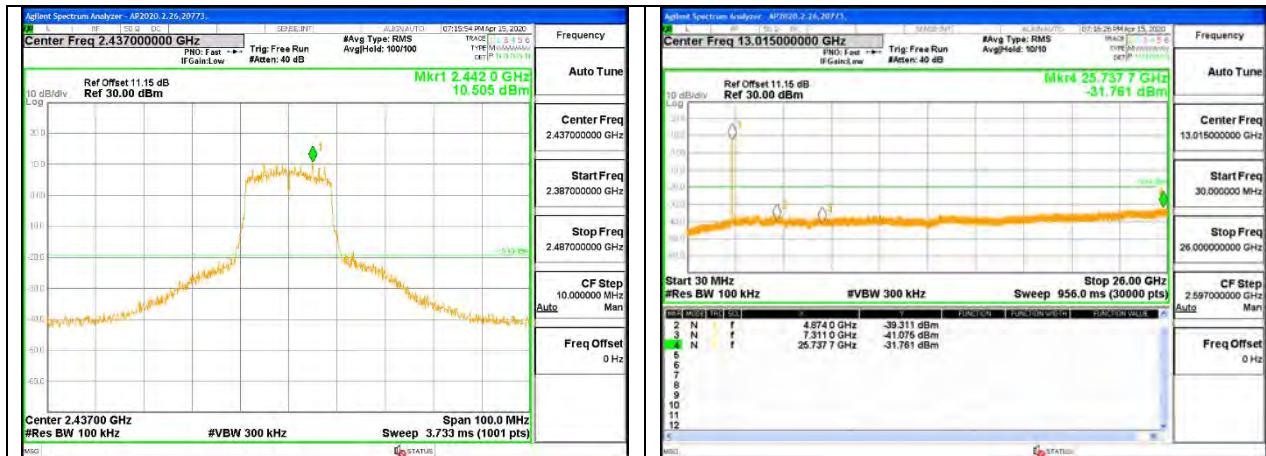
OUT-OF-BAND LOW CHANNEL 1 ANT 3



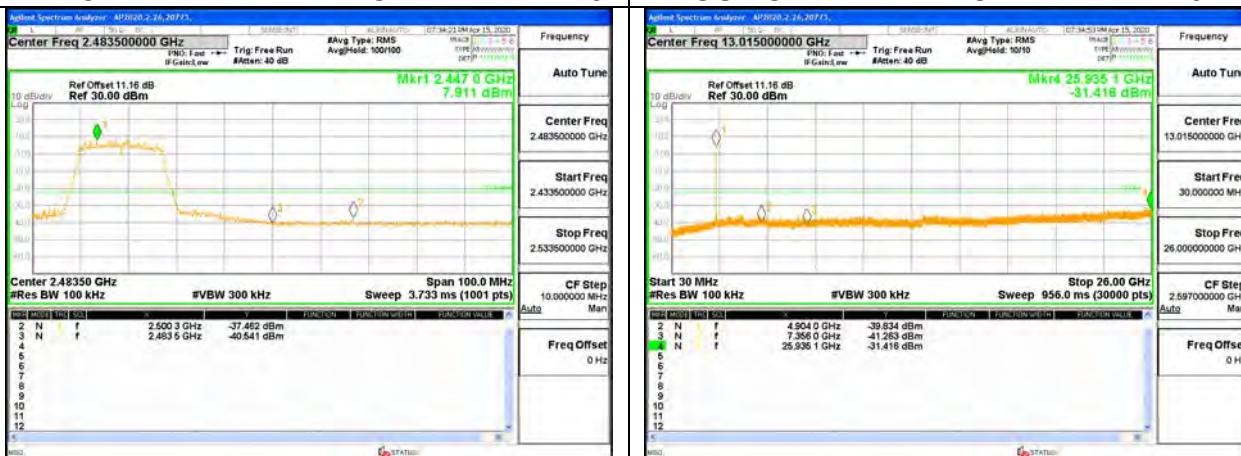
OUT-OF-BAND LOW CHANNEL 2 ANT 3



OUT-OF-BAND LOW CHANNEL 3 ANT 3



MID CHANNEL REFERENCE LEVEL ANT 3



HIGH CHANNEL 9 BANDEDGE ANT 3



HIGH CHANNEL 10 BANDEDGE ANT 3

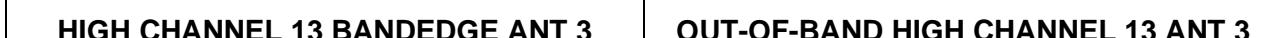
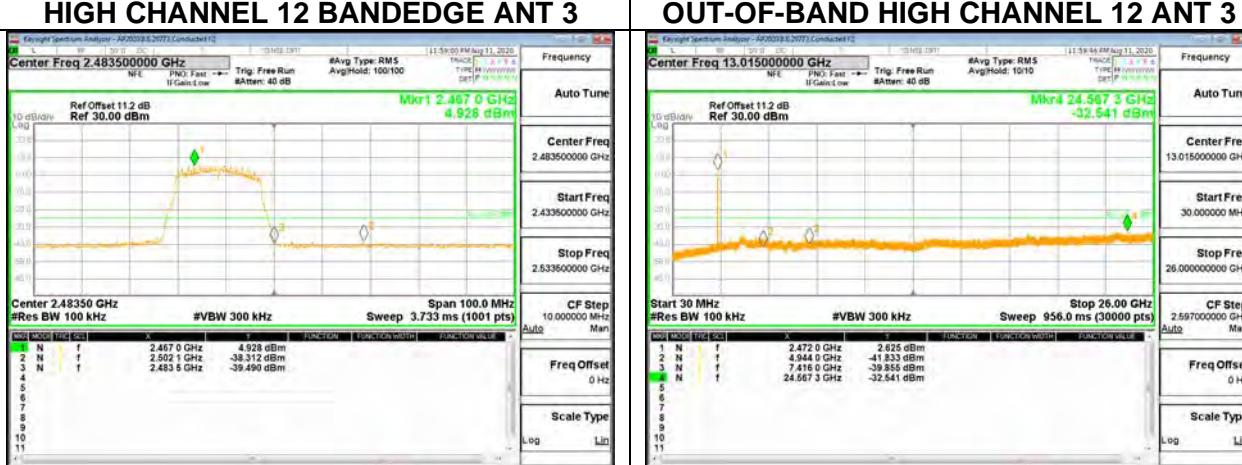
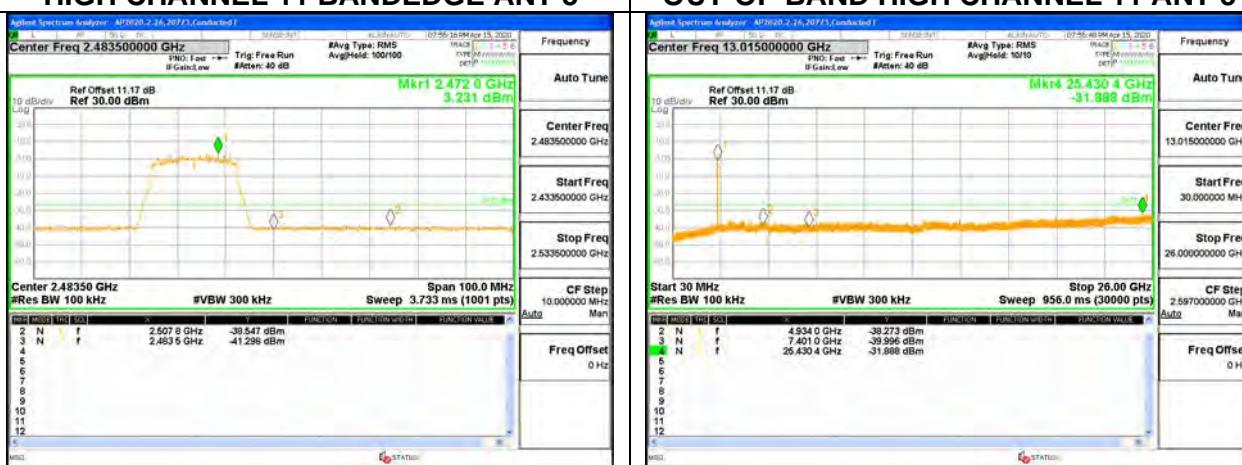
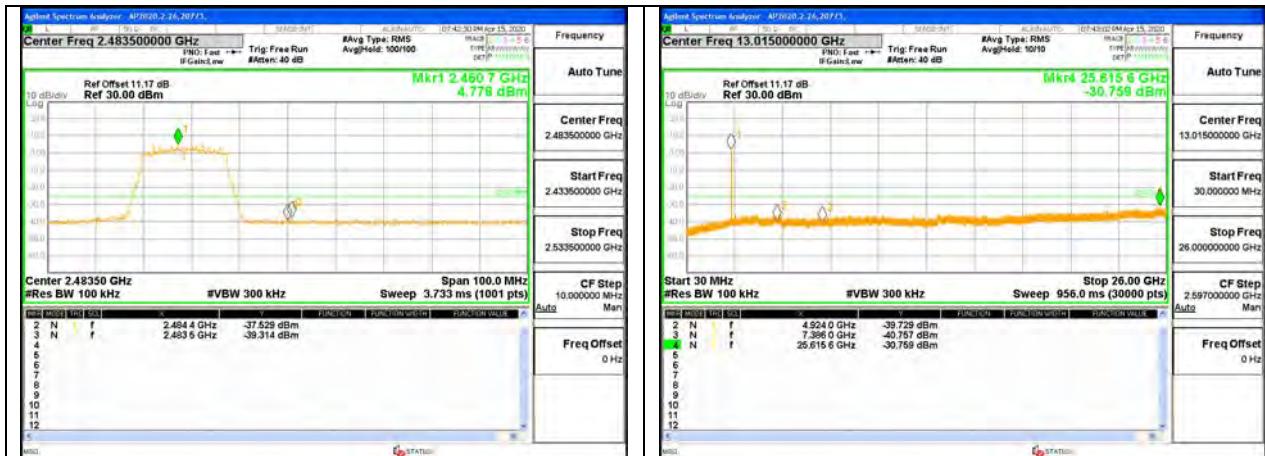
OUT-OF-BAND MID CHANNEL ANT 3



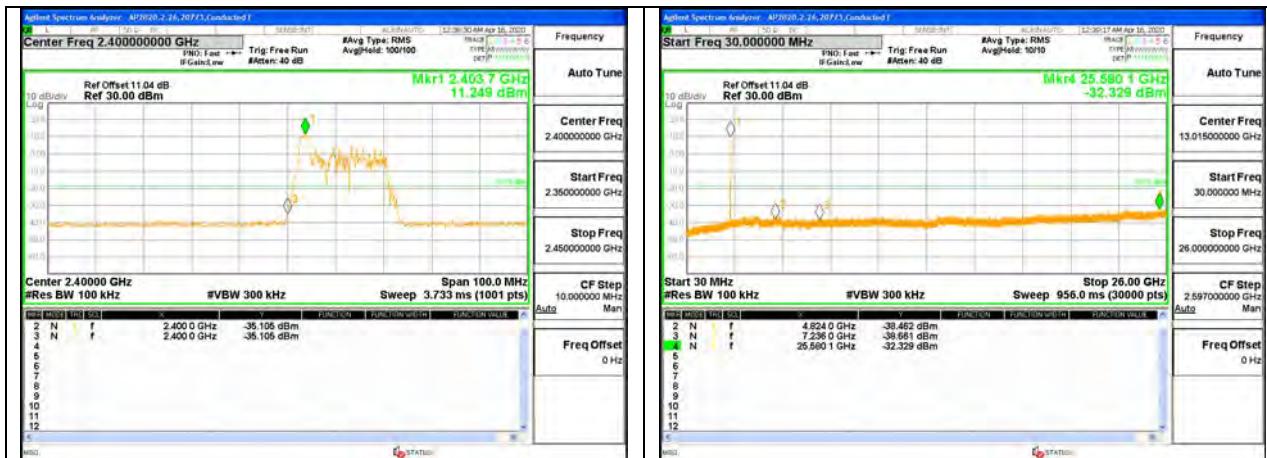
OUT-OF-BAND HIGH CHANNEL 9 ANT 3



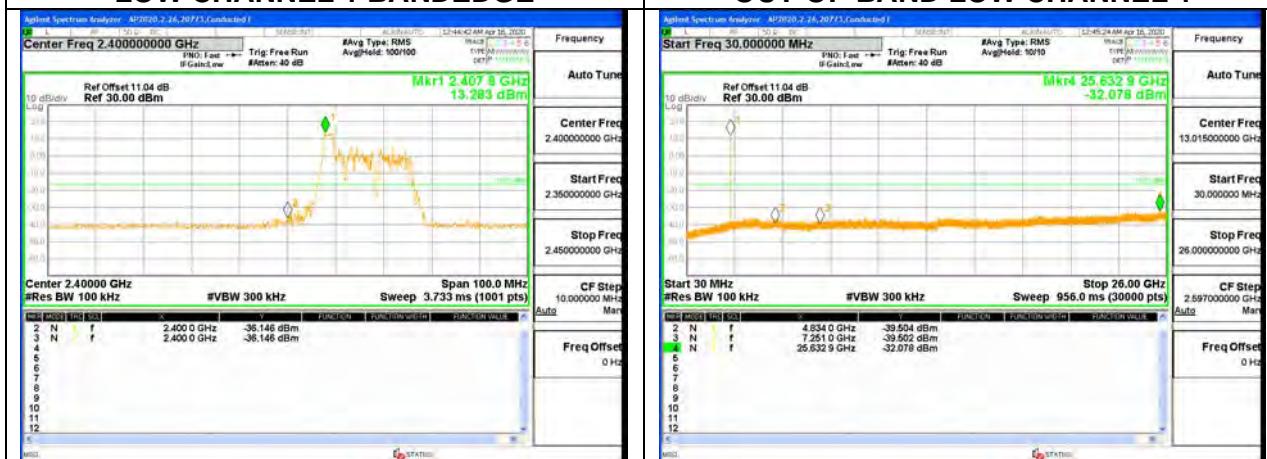
OUT-OF-BAND HIGH CHANNEL 10 ANT 3



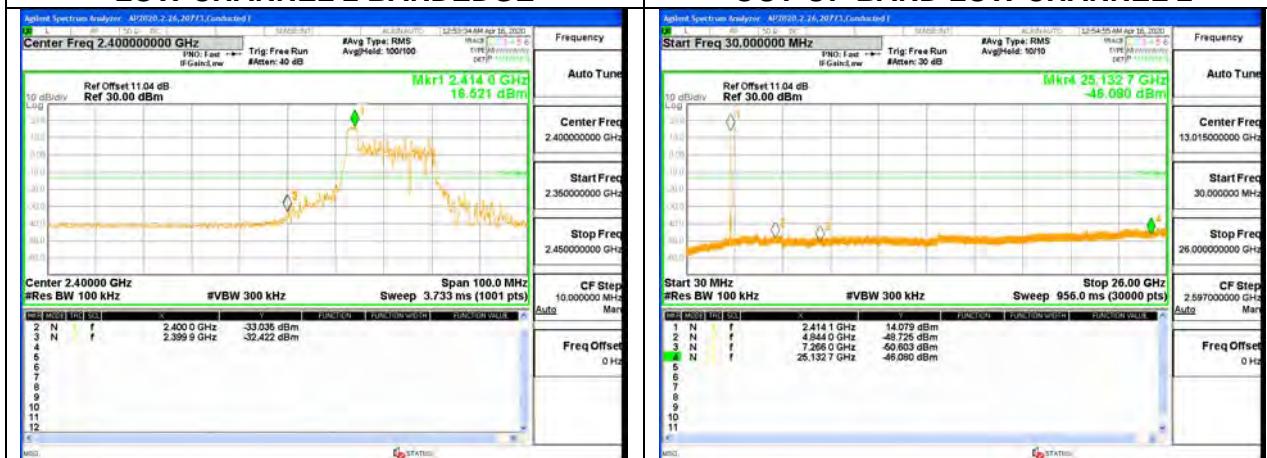
9.6.4. 802.11ax HE20 MODE
1TX ANT 4 26-Tone RU Index 0



LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE



LOW CHANNEL 3 BANDEDGE

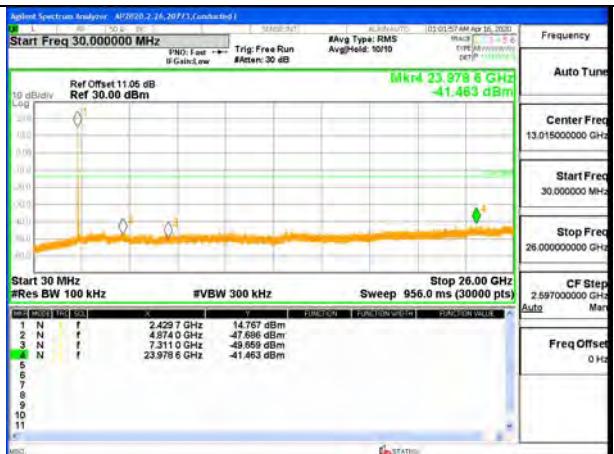
OUT-OF-BAND LOW CHANNEL 1



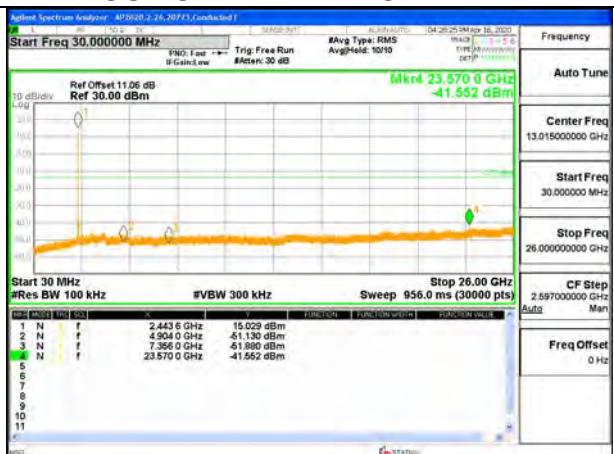
OUT-OF-BAND LOW CHANNEL 2



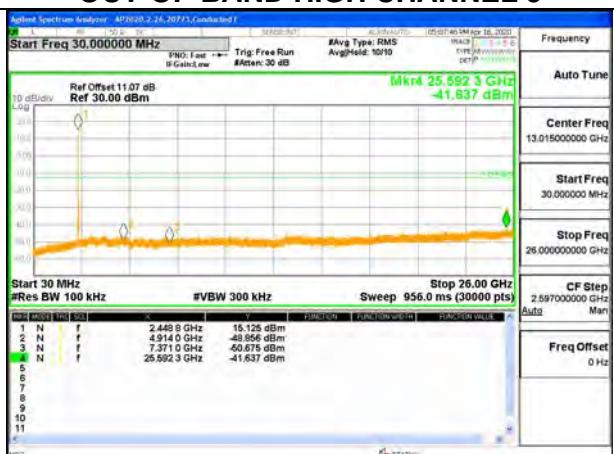
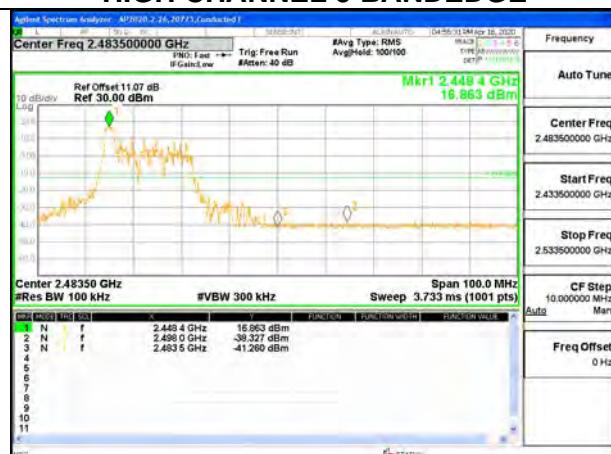
OUT-OF-BAND LOW CHANNEL 3



MID CHANNEL REFERENCE LEVEL

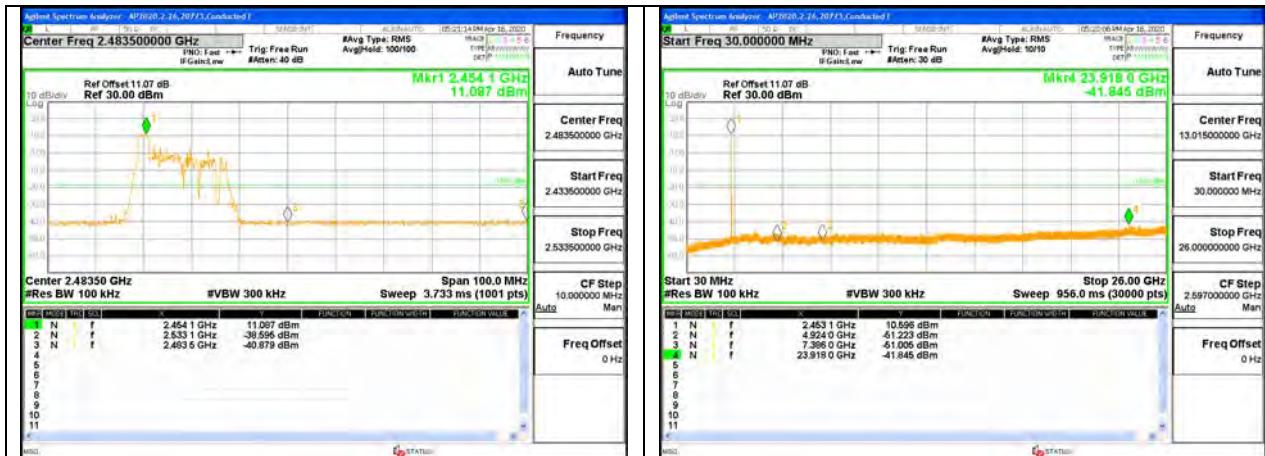


HIGH CHANNEL 9 BANDEDGE

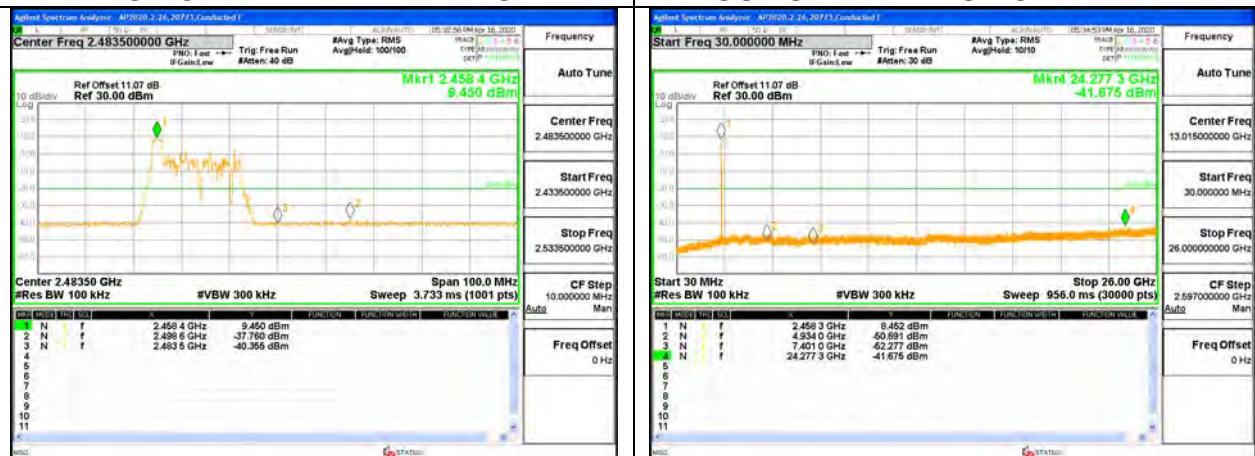


HIGH CHANNEL 10 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 10



HIGH CHANNEL 11 BANDEDGE



HIGH CHANNEL 11 OUT-OF-BAND



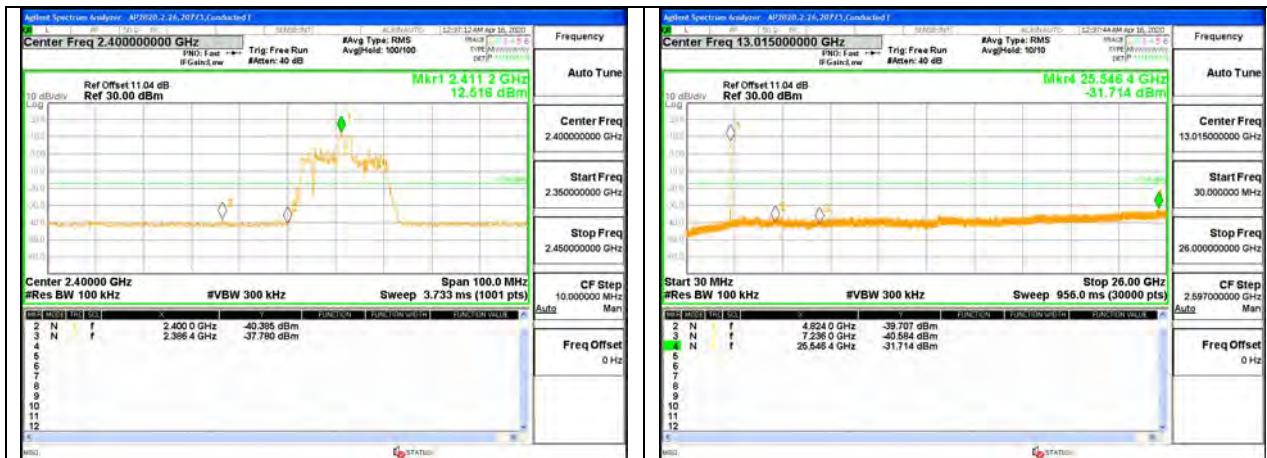
HIGH CHANNEL 12 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 11

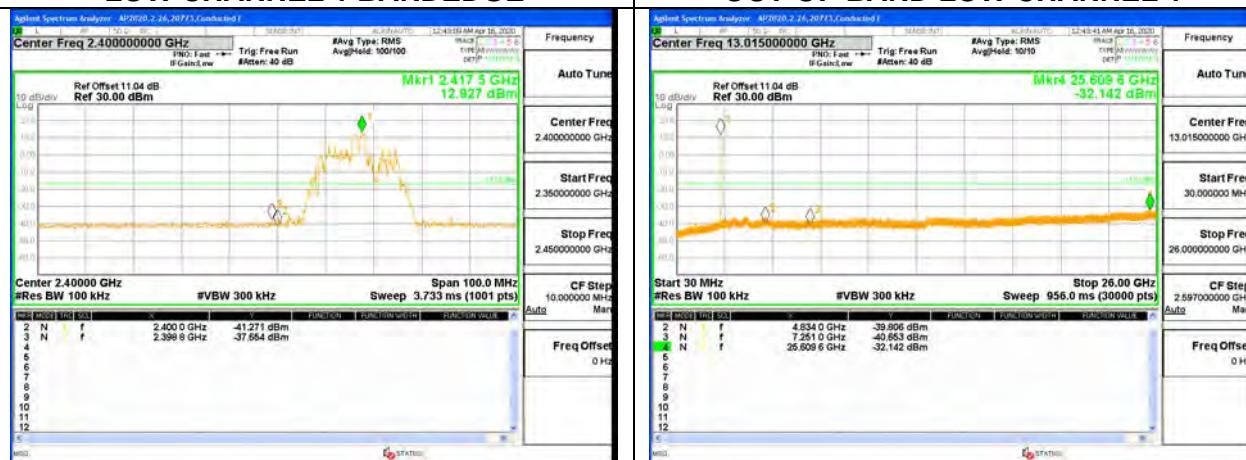


OUT-OF-BAND HIGH CHANNEL 12

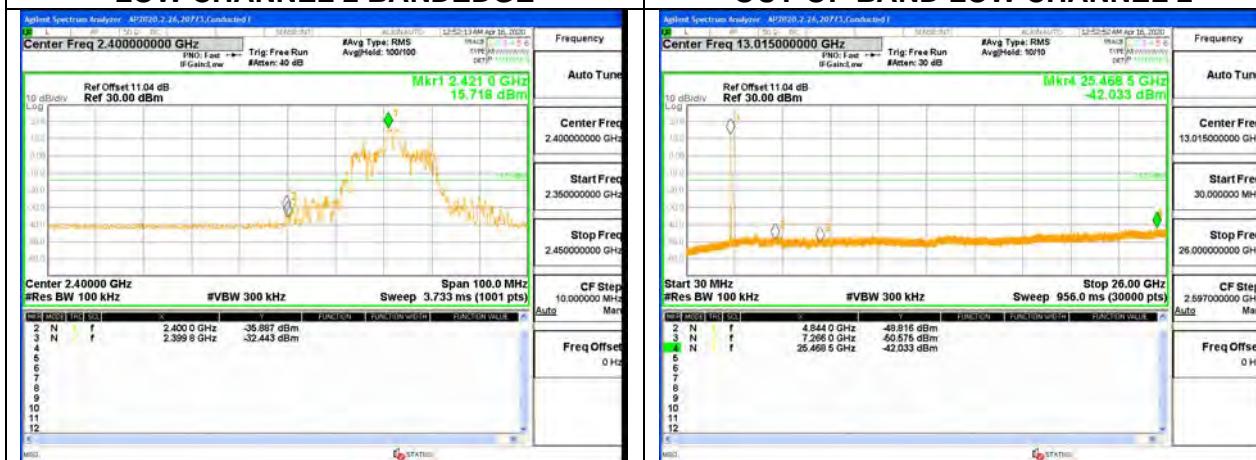
1TX ANT 4 26-Tone RU Index 4



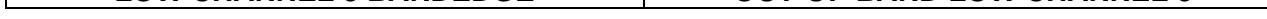
LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE



LOW CHANNEL 3 BANDEDGE



OUT-OF-BAND LOW CHANNEL 1



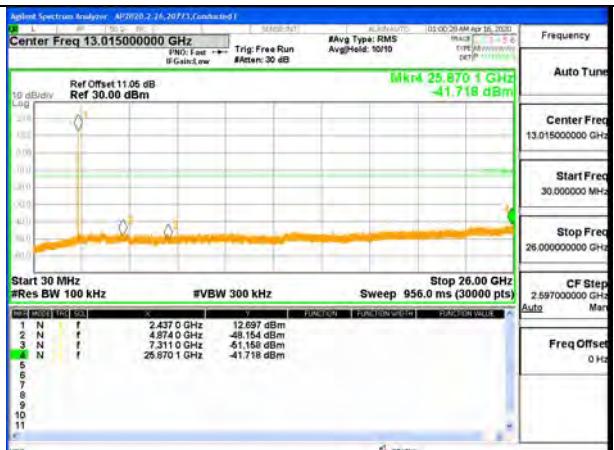
OUT-OF-BAND LOW CHANNEL 2



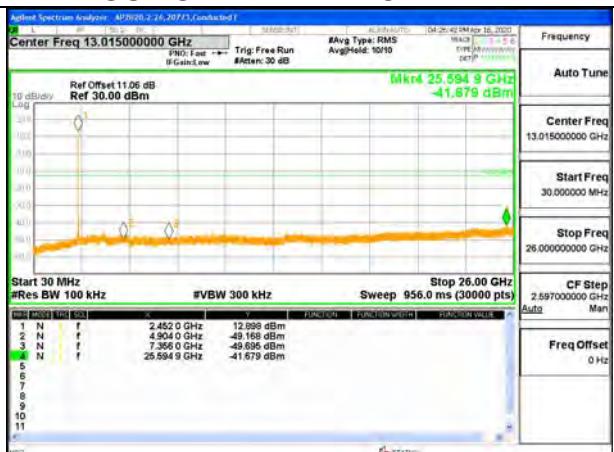
OUT-OF-BAND LOW CHANNEL 3



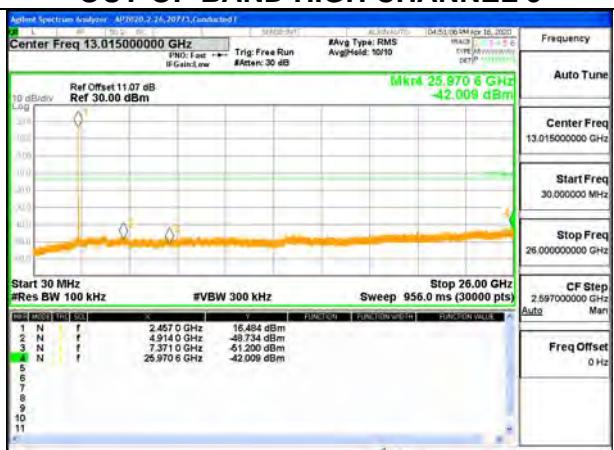
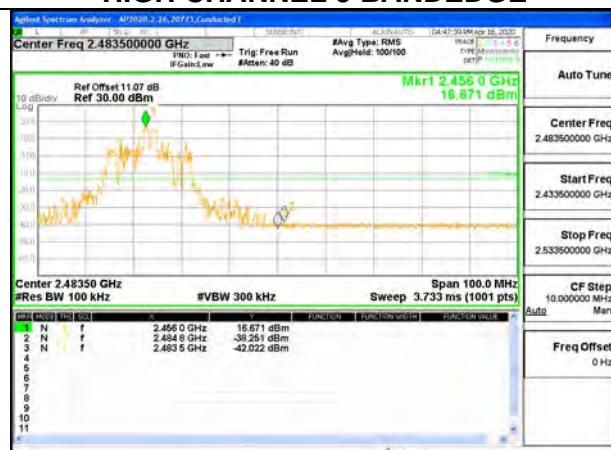
MID CHANNEL REFERNCE LEVEL



OUT-OF-BAND MID CHANNEL

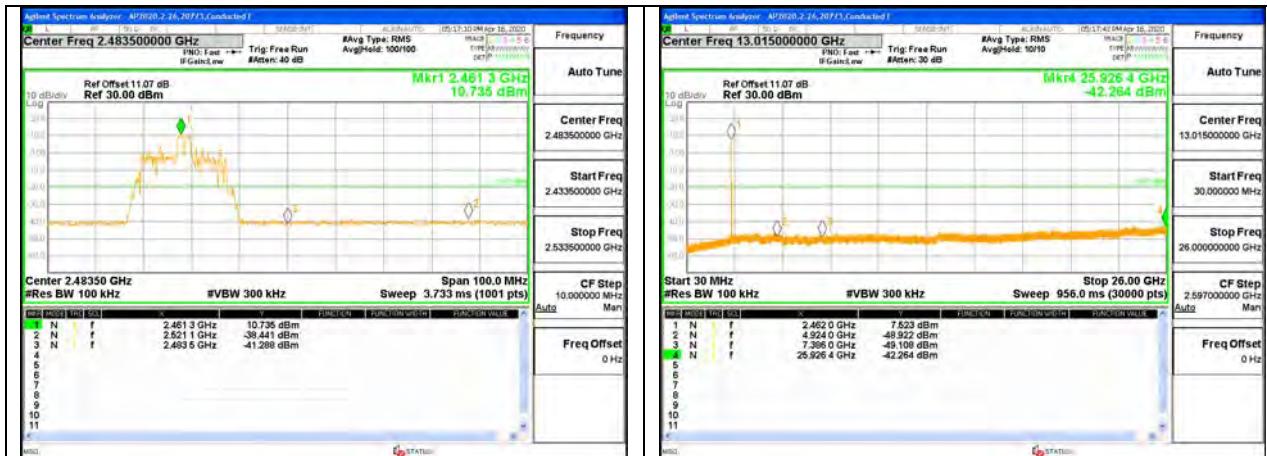


HIGH CHANNEL 9 BANDEDGE

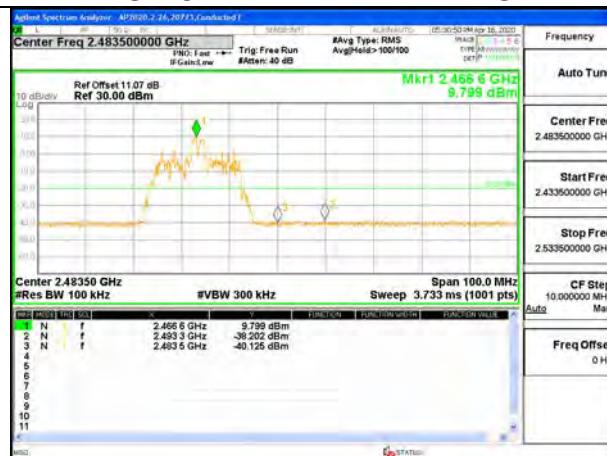


HIGH CHANNEL 10 BANDEDGE

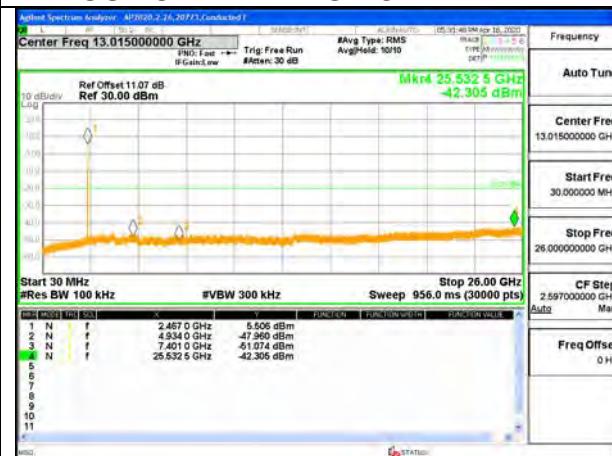
OUT-OF-BAND HIGH CHANNEL 10



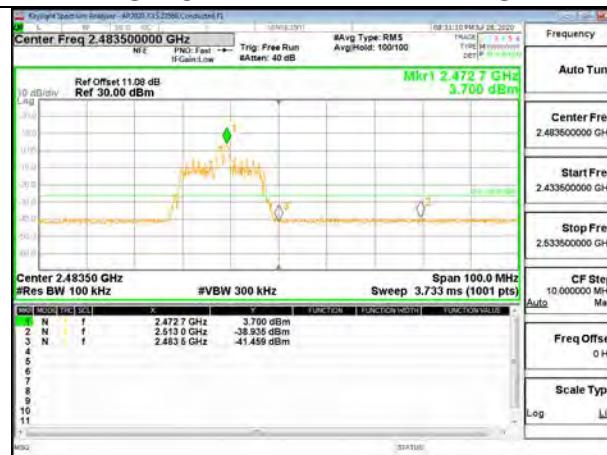
HIGH CHANNEL 11 BANDEDGE



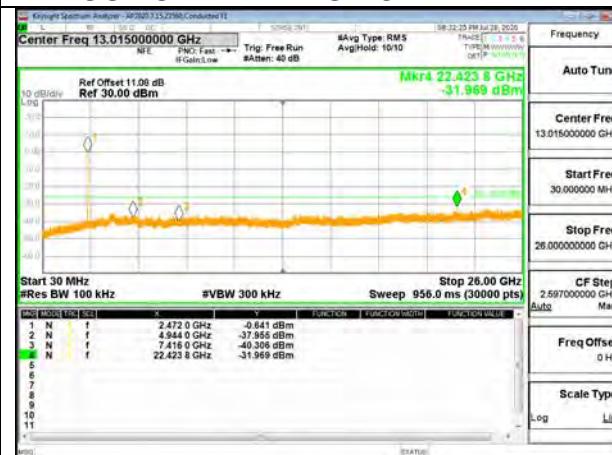
OUT-OF-BAND HIGH CHANNEL 11



HIGH CHANNEL 12 BANDEDGE



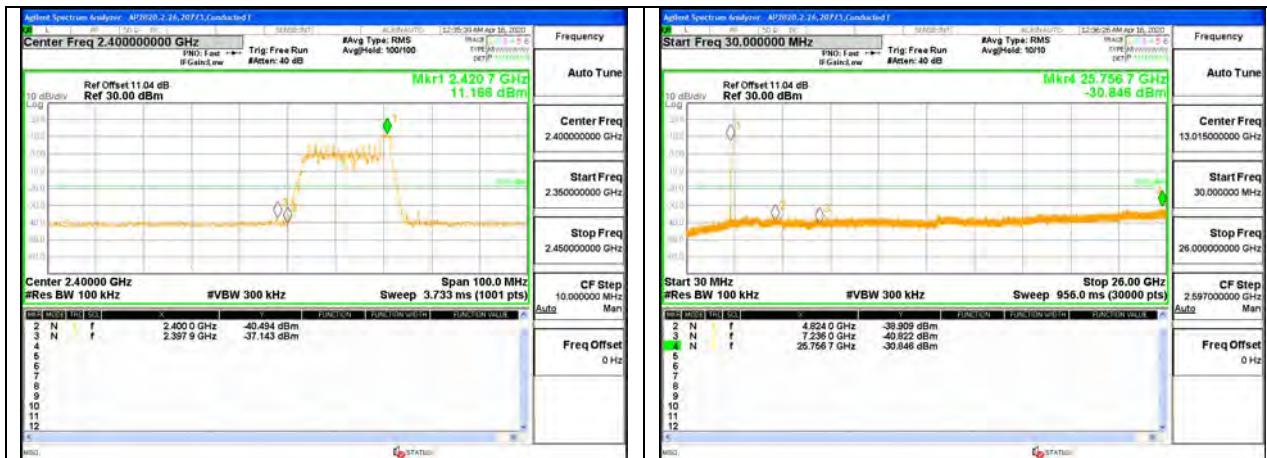
OUT-OF-BAND HIGH CHANNEL 12



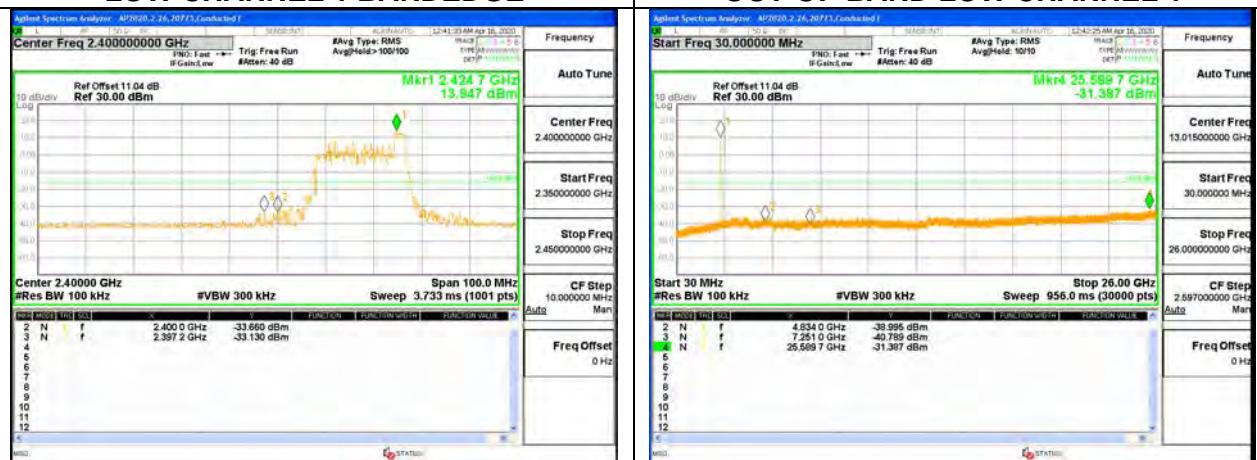
HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 13

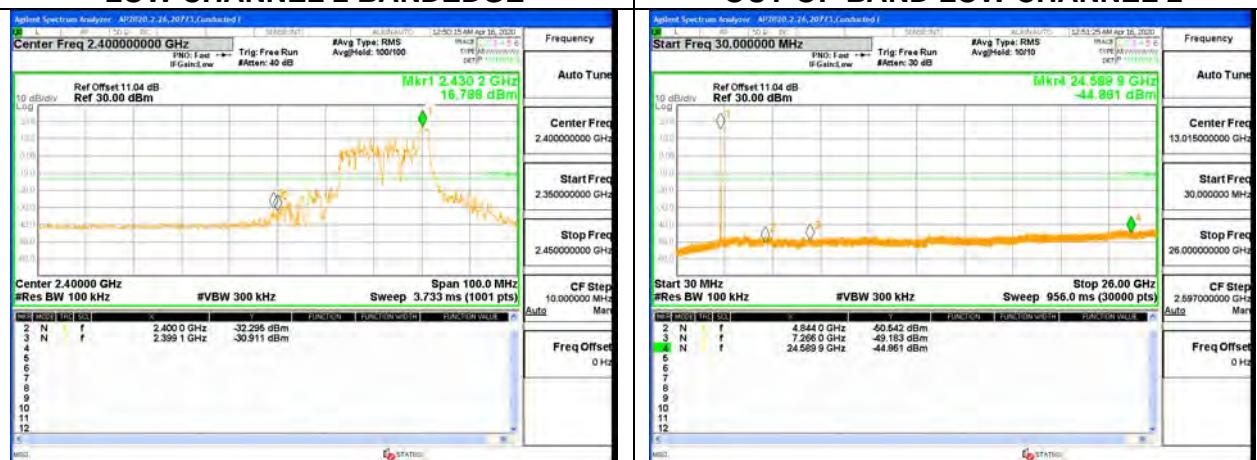
1TX ANT 4 26-Tone RU Index 8



LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE



LOW CHANNEL 3 BANDEDGE

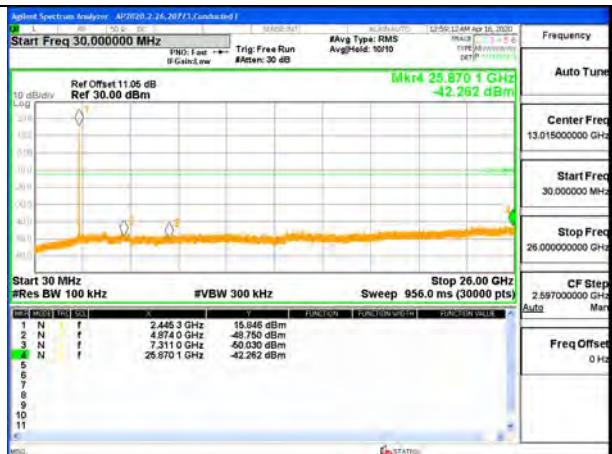
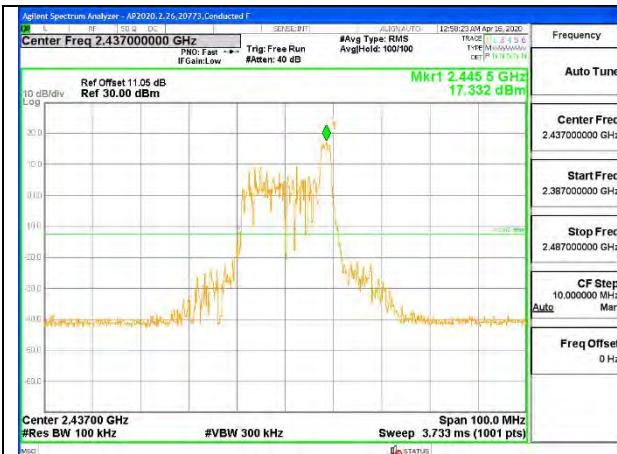
OUT-OF-BAND LOW CHANNEL 1



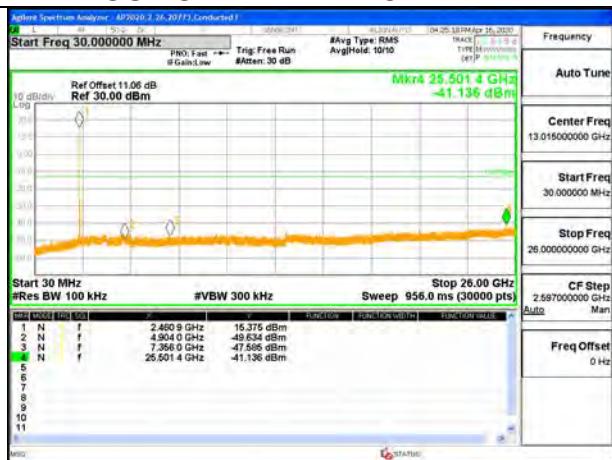
OUT-OF-BAND LOW CHANNEL 2



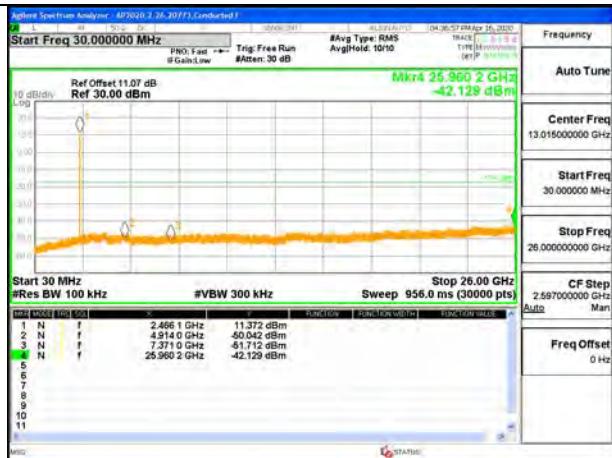
OUT-OF-BAND LOW CHANNEL 3



IN-BAND REFERENCE LEVEL

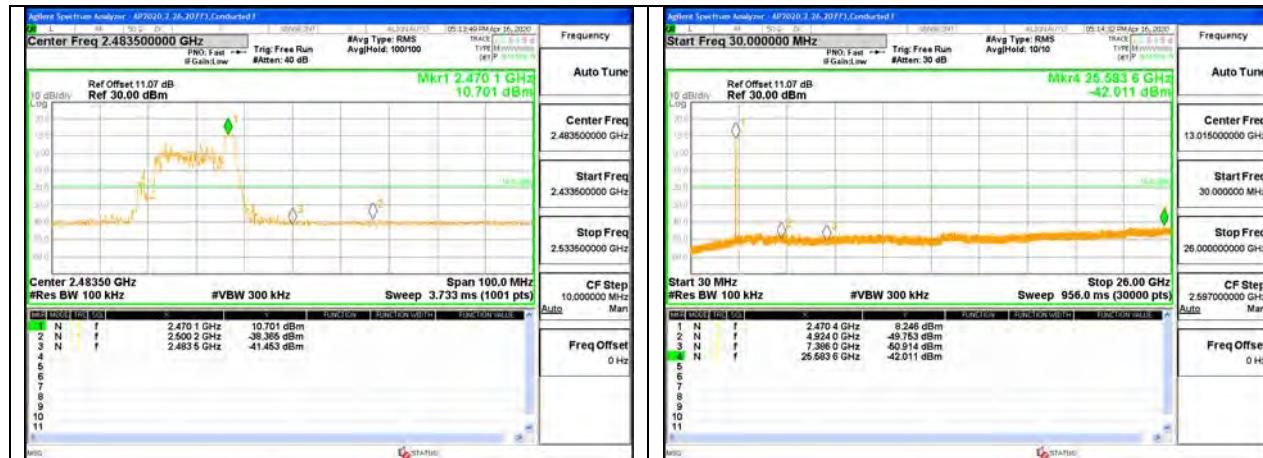


HIGH CHANNEL 9 BANDEDGE

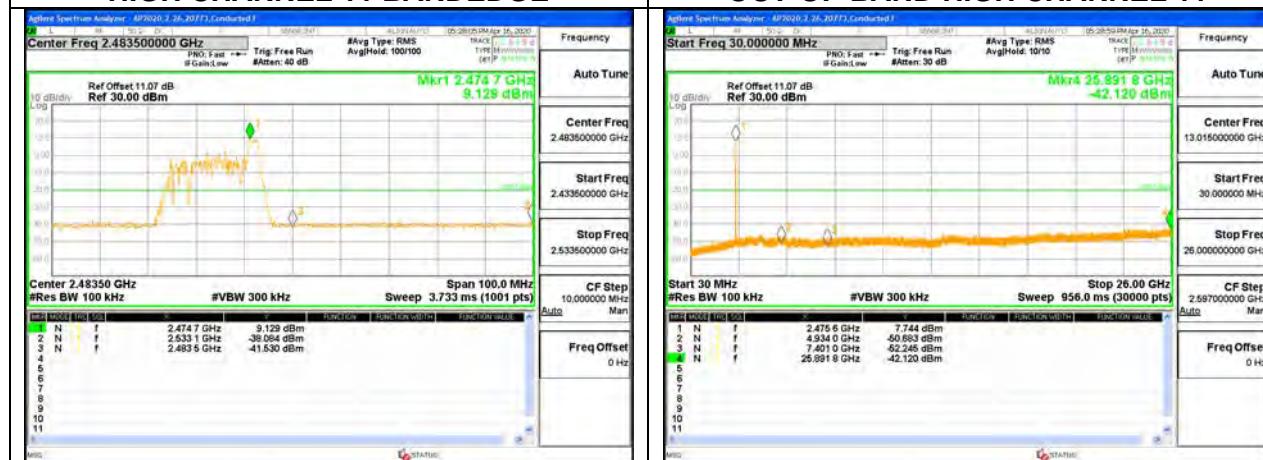


HIGH CHANNEL 10 BANDEDGE

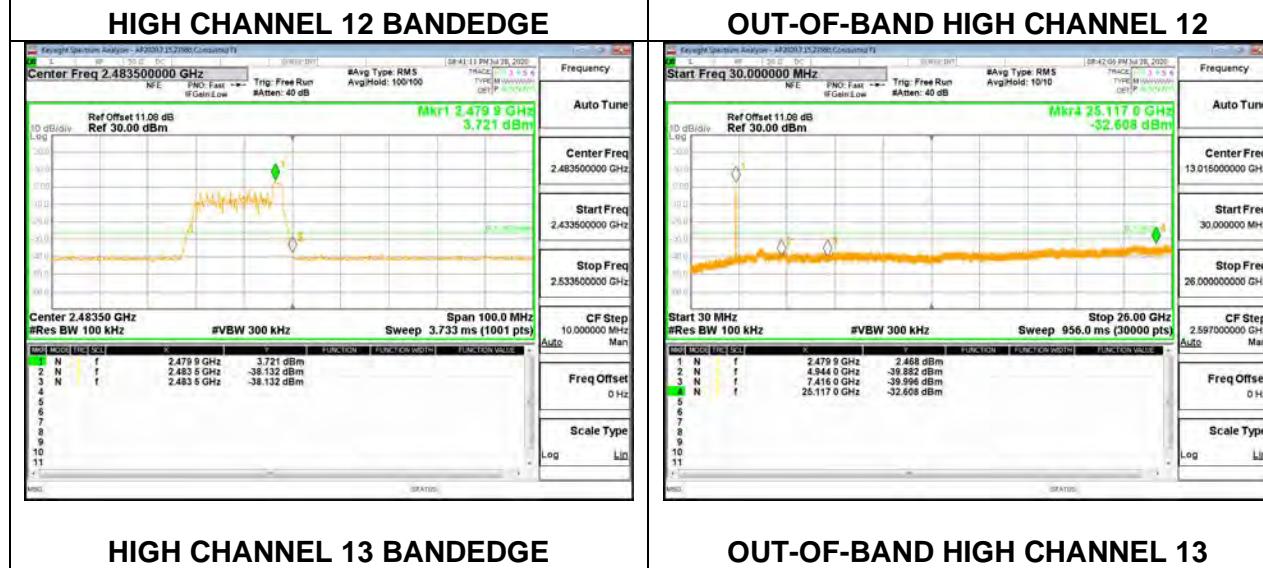
OUT-OF-BAND HIGH CHANNEL 10



HIGH CHANNEL 11 BANDEDGE

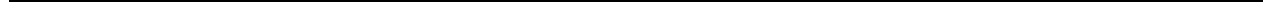


OUT-OF-BAND HIGH CHANNEL 11



HIGH CHANNEL 12 BANDEDGE

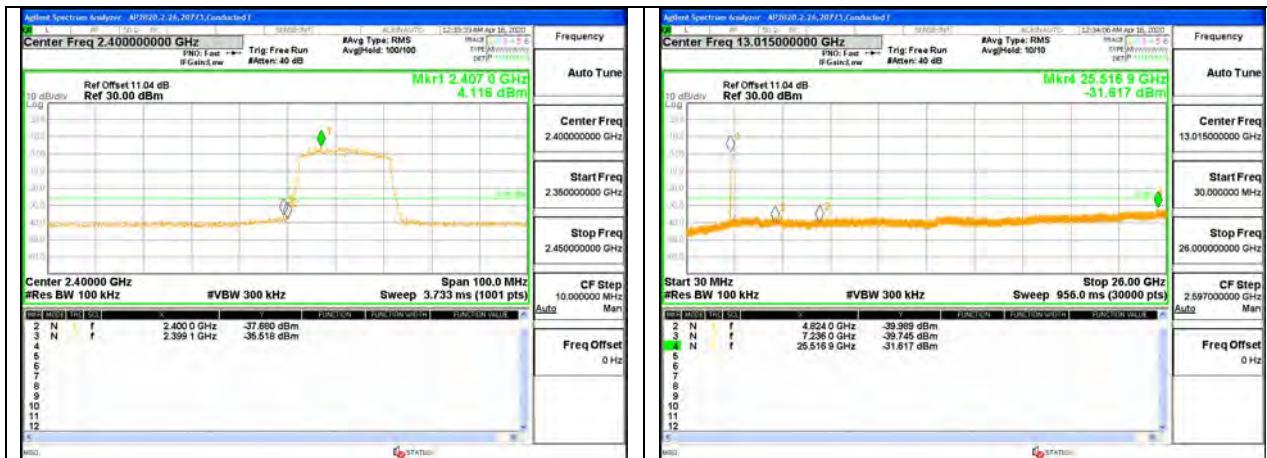
OUT-OF-BAND HIGH CHANNEL 12



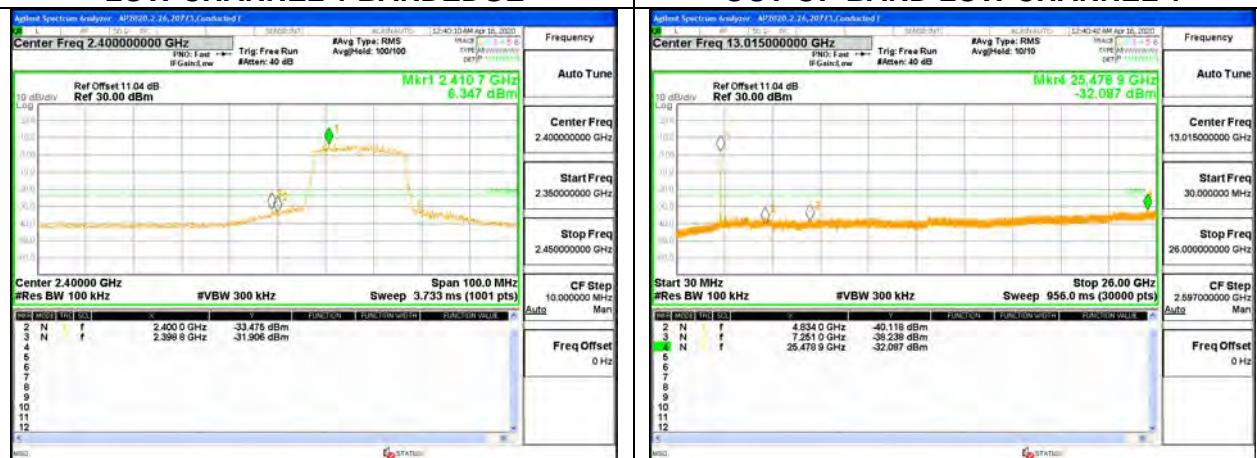
HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 13

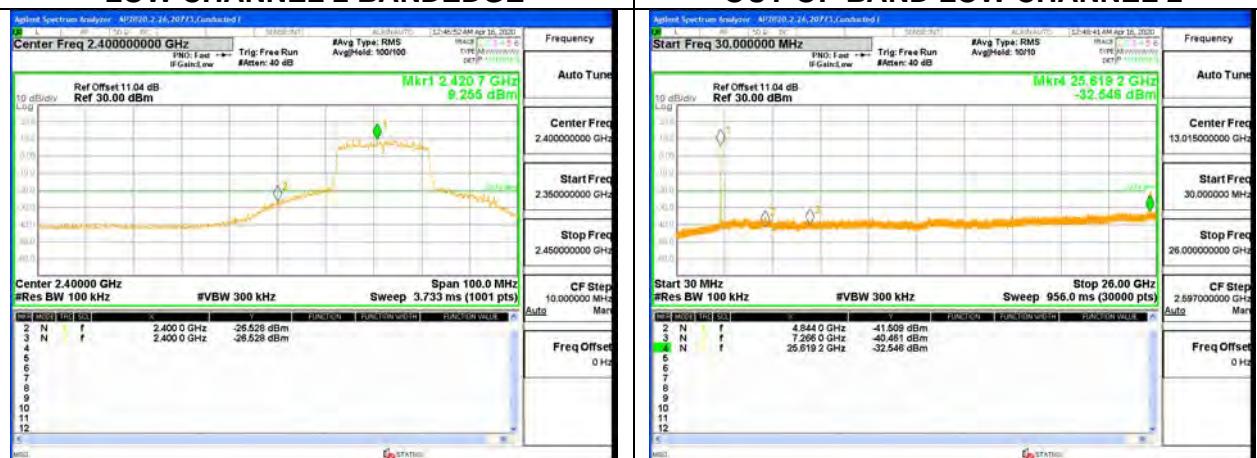
1TX ANT 4 242-Tone RU Index 61



LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE



LOW CHANNEL 3 BANDEDGE

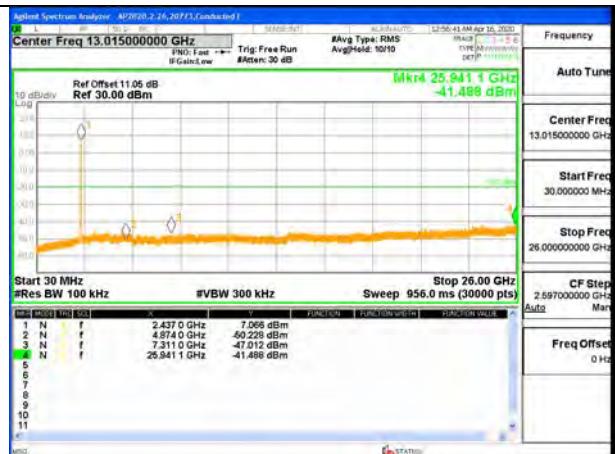
OUT-OF-BAND LOW CHANNEL 1



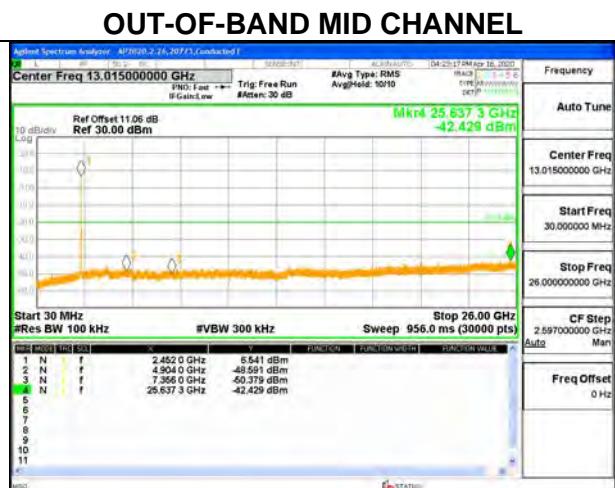
OUT-OF-BAND LOW CHANNEL 2



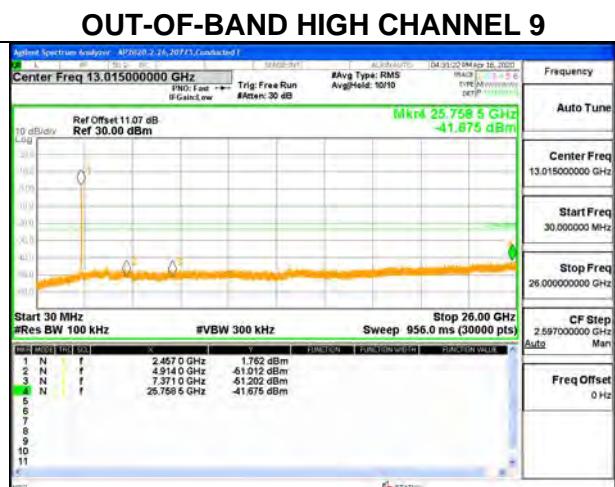
OUT-OF-BAND LOW CHANNEL 3



IN-BAND REFERENCE LEVEL

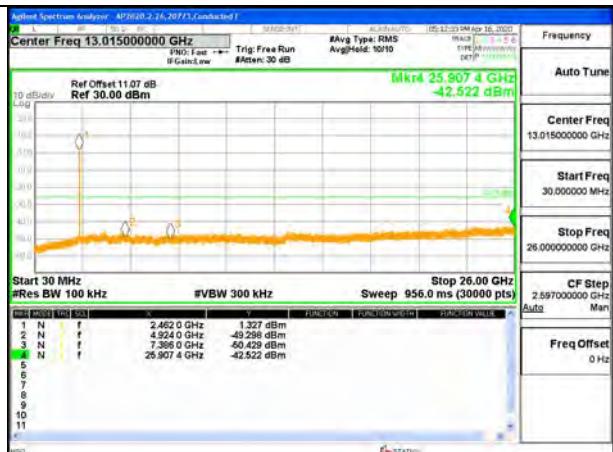
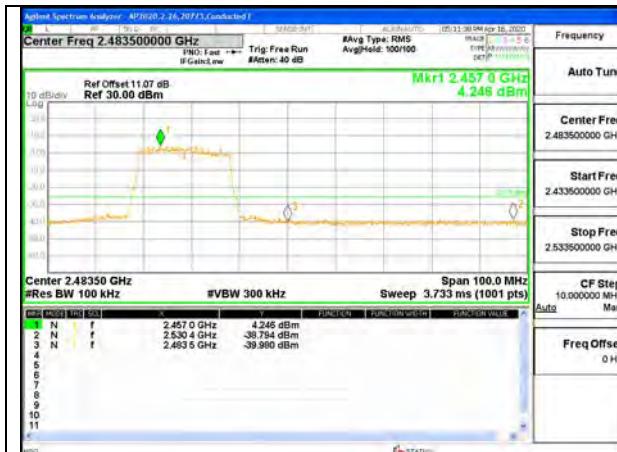


HIGH CHANNEL 9 BANDEDGE

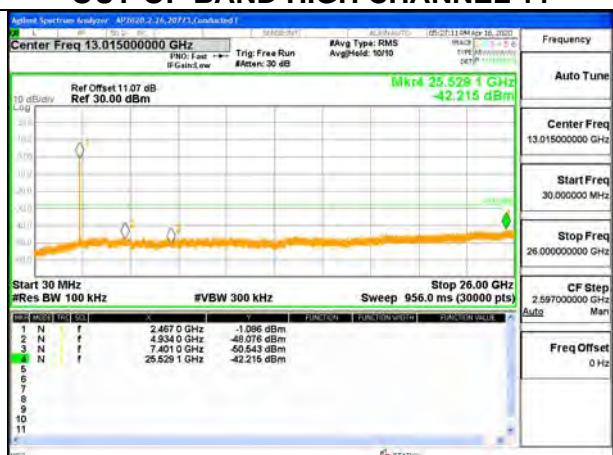


HIGH CHANNEL 10 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 10



HIGH CHANNEL 11 BANDEDGE



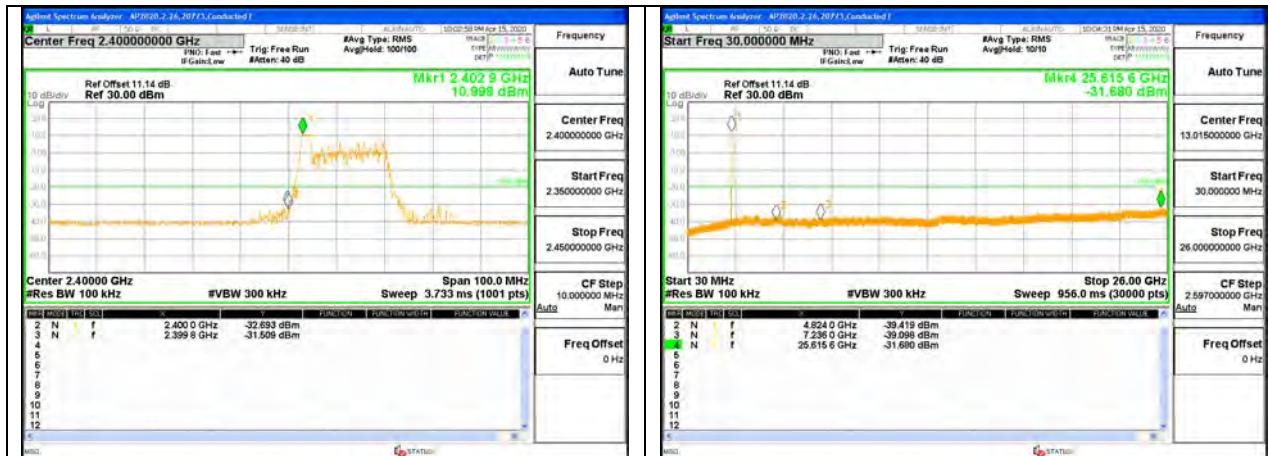
HIGH CHANNEL 12 BANDEDGE



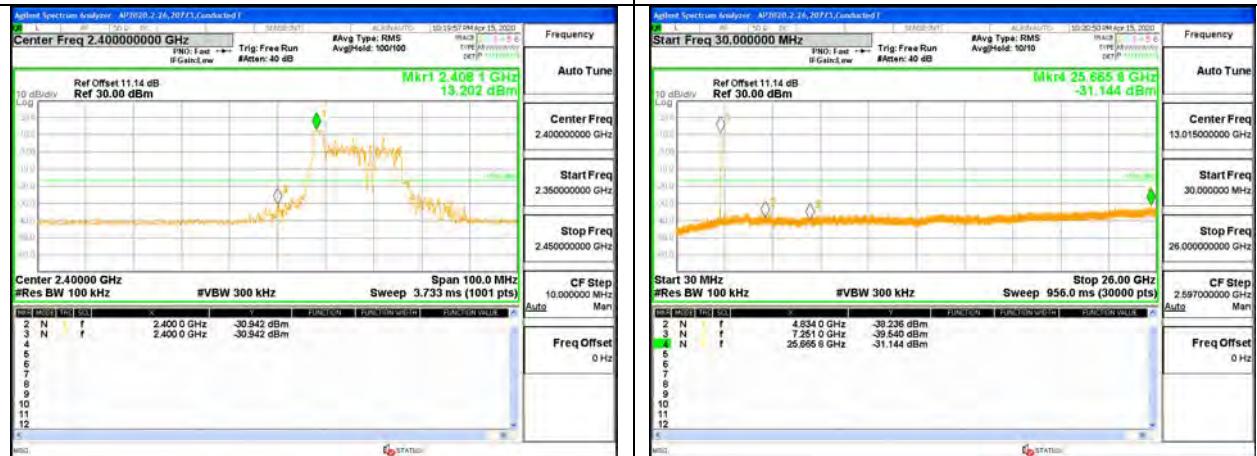
HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 13

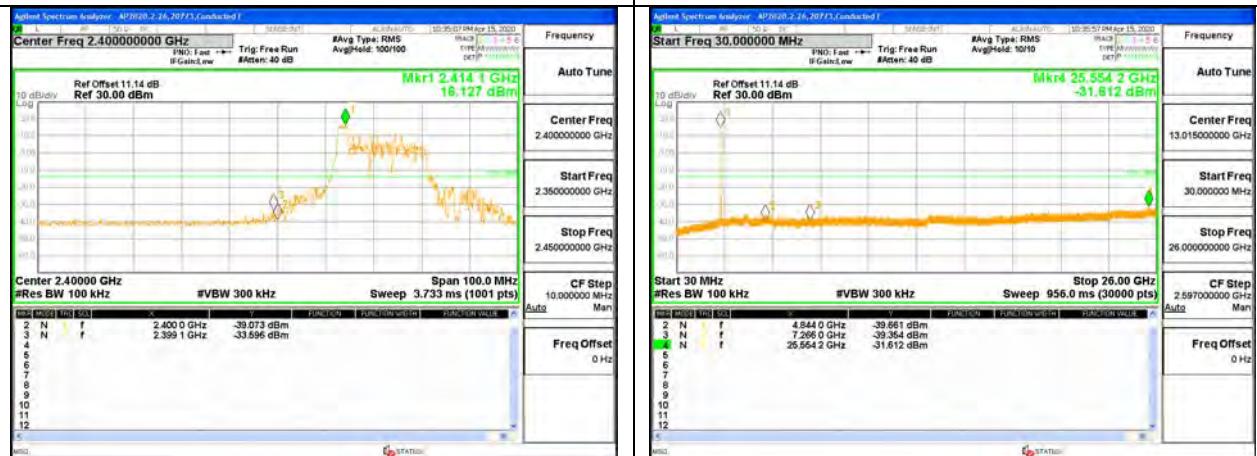
1TX ANT 3 26-Tone RU Index 0



LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE



LOW CHANNEL 3 BANDEDGE

OUT-OF-BAND LOW CHANNEL 1

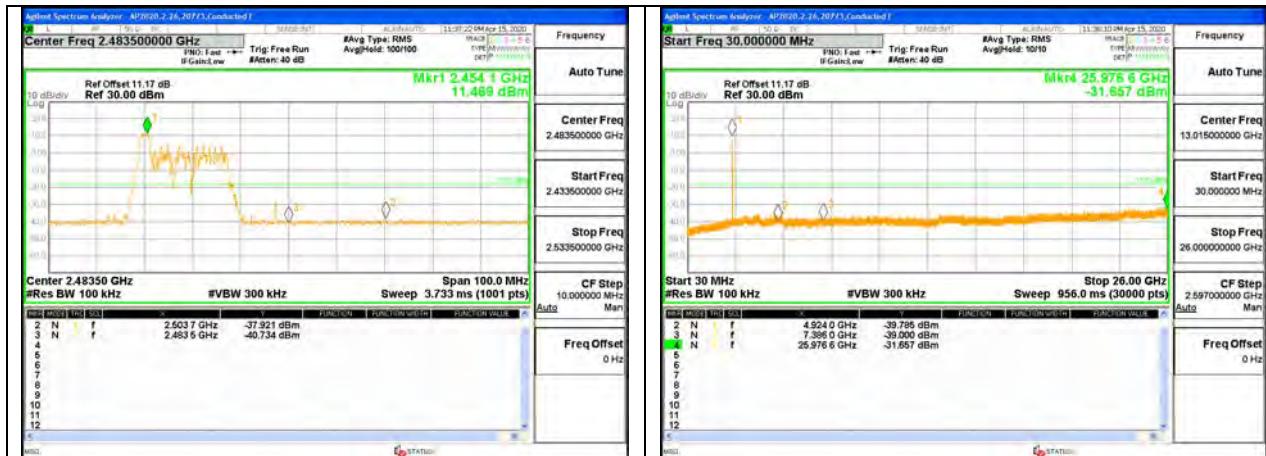


OUT-OF-BAND LOW CHANNEL 2

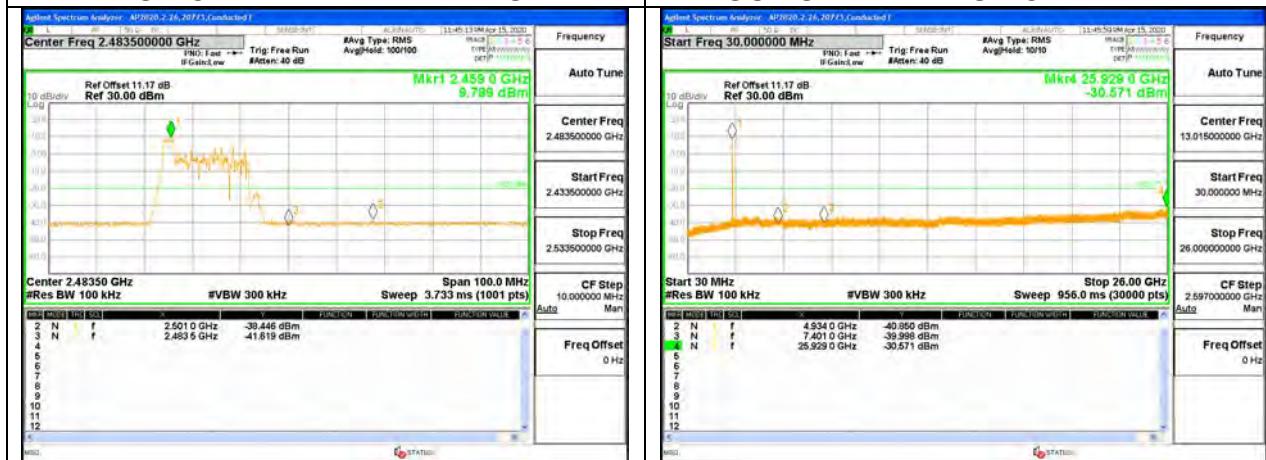


OUT-OF-BAND LOW CHANNEL 3

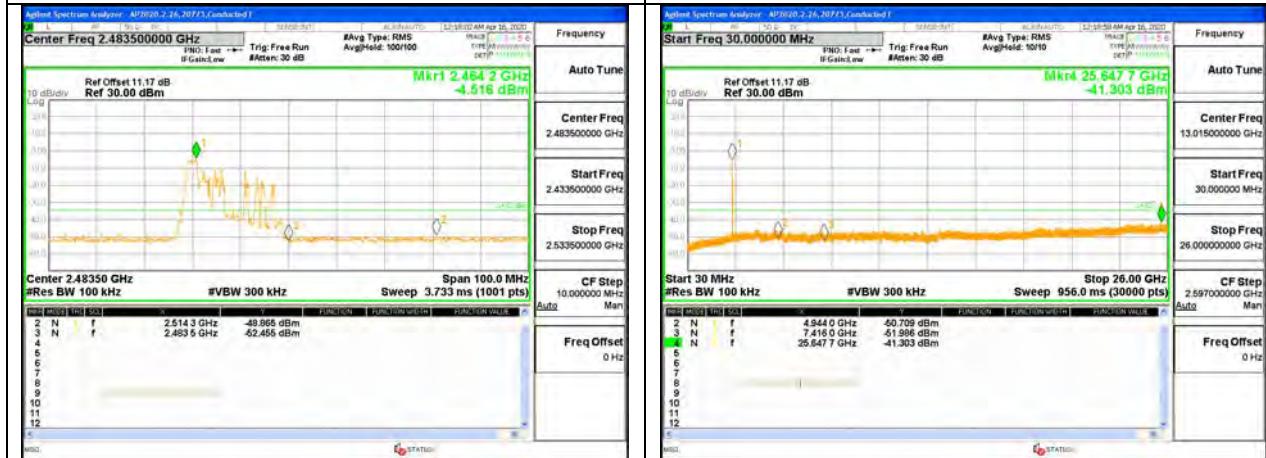




HIGH CHANNEL 11 BANDEDGE

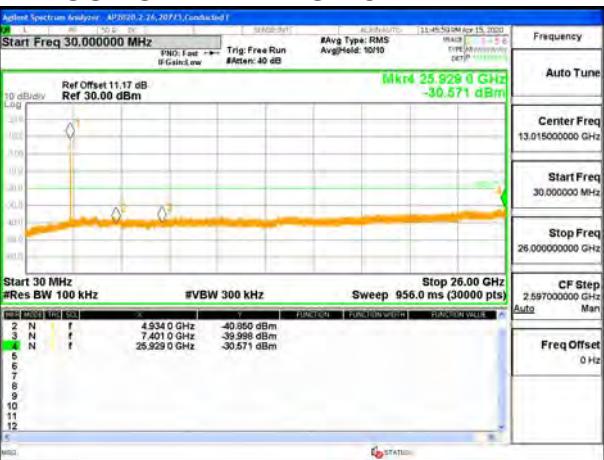


HIGH CHANNEL 12 BANDEDGE



HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 11

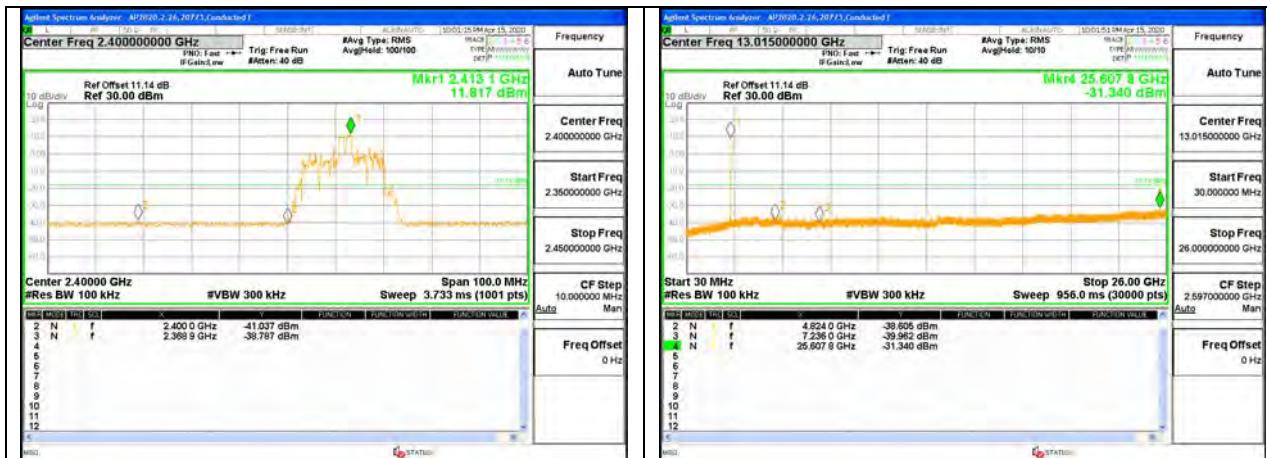


OUT-OF-BAND HIGH CHANNEL 12

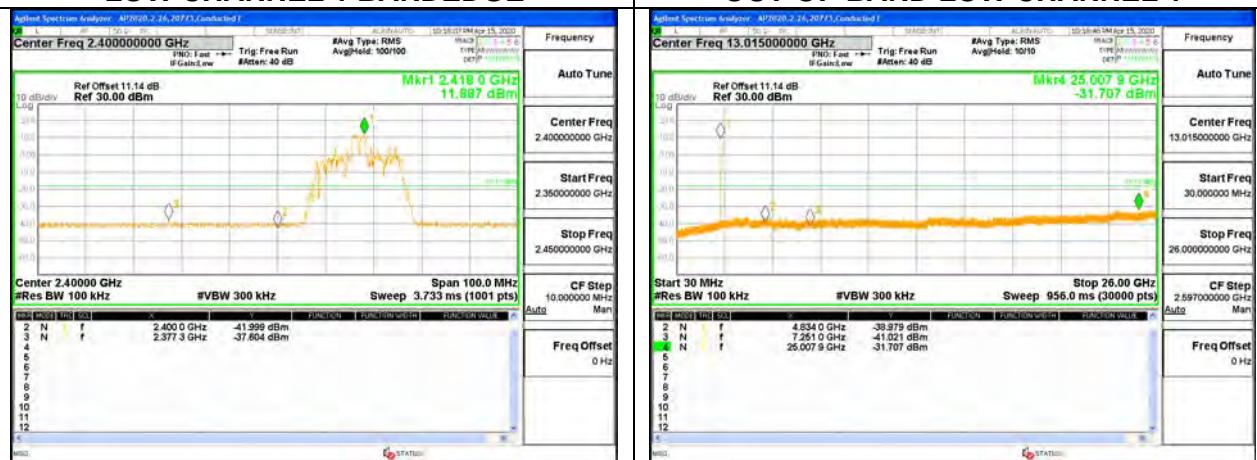


OUT-OF-BAND HIGH CHANNEL 13

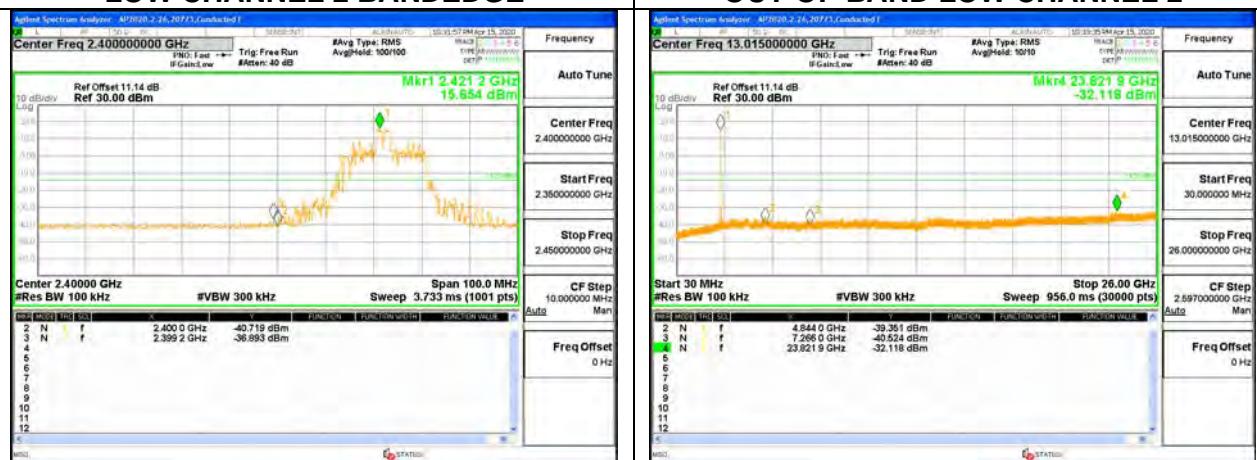
1TX ANT 3 26-Tone RU Index 4



LOW CHANNEL 1 BANDEDGE



LOW CHANNEL 2 BANDEDGE



LOW CHANNEL 3 BANDEDGE

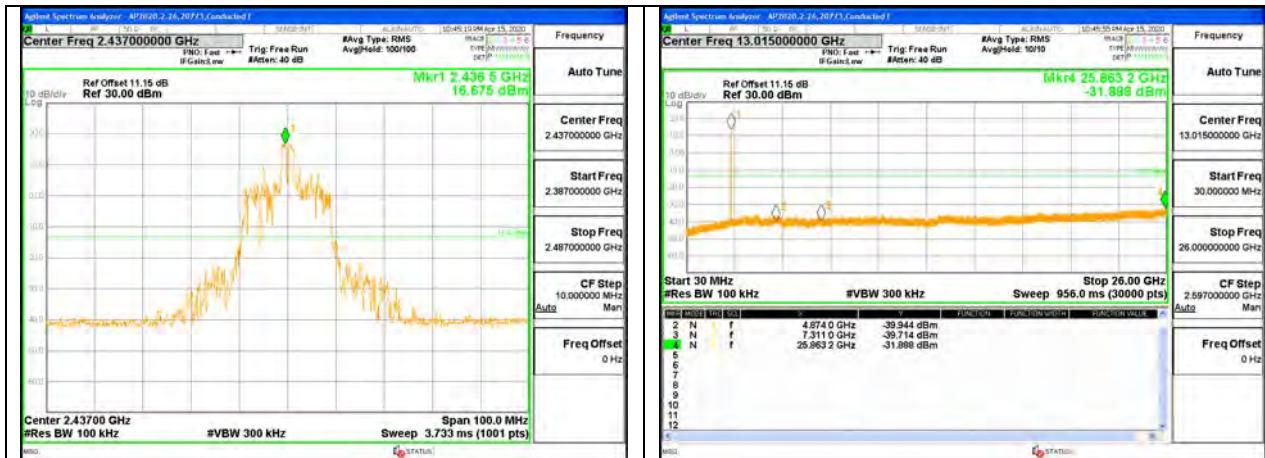
OUT-OF-BAND LOW CHANNEL 1



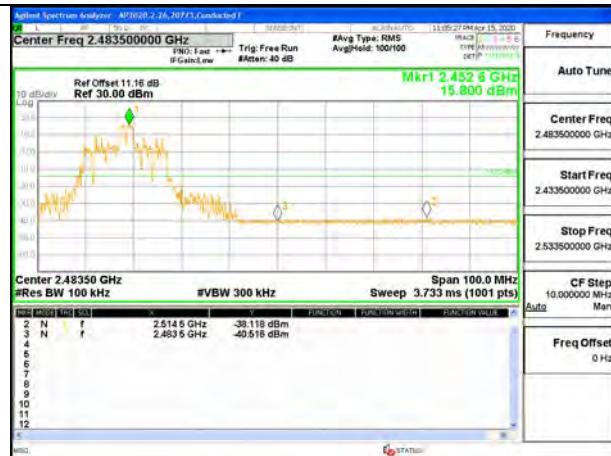
OUT-OF-BAND LOW CHANNEL 2



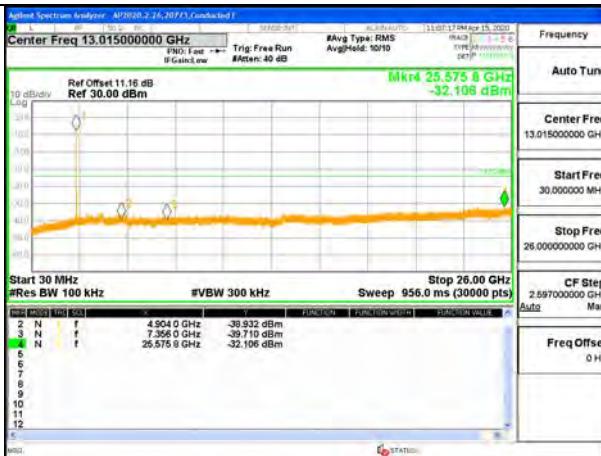
OUT-OF-BAND LOW CHANNEL 3



IN-BAND REFERENCE LEVEL



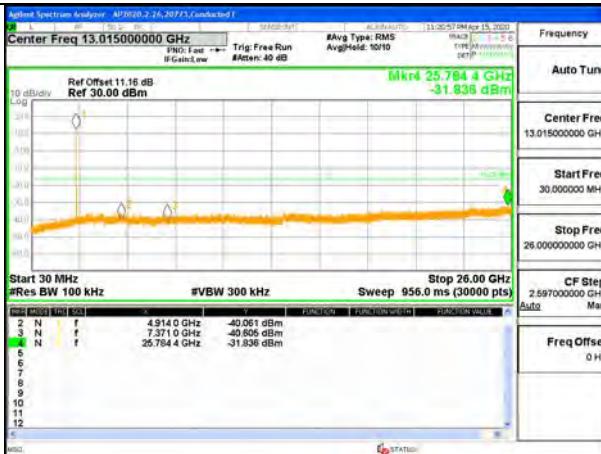
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL 9 BANDEDGE

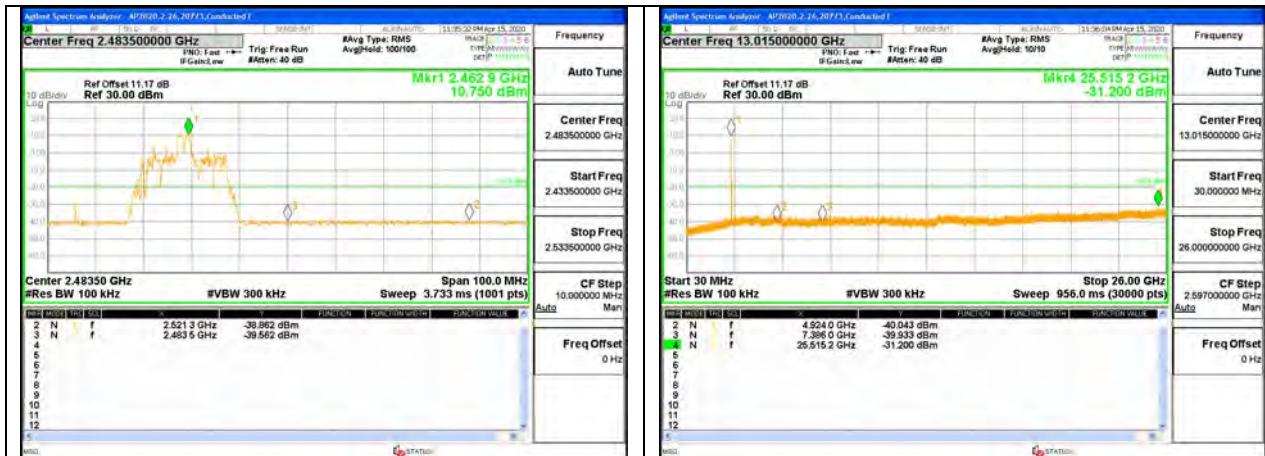


OUT-OF-BAND HIGH CHANNEL 9

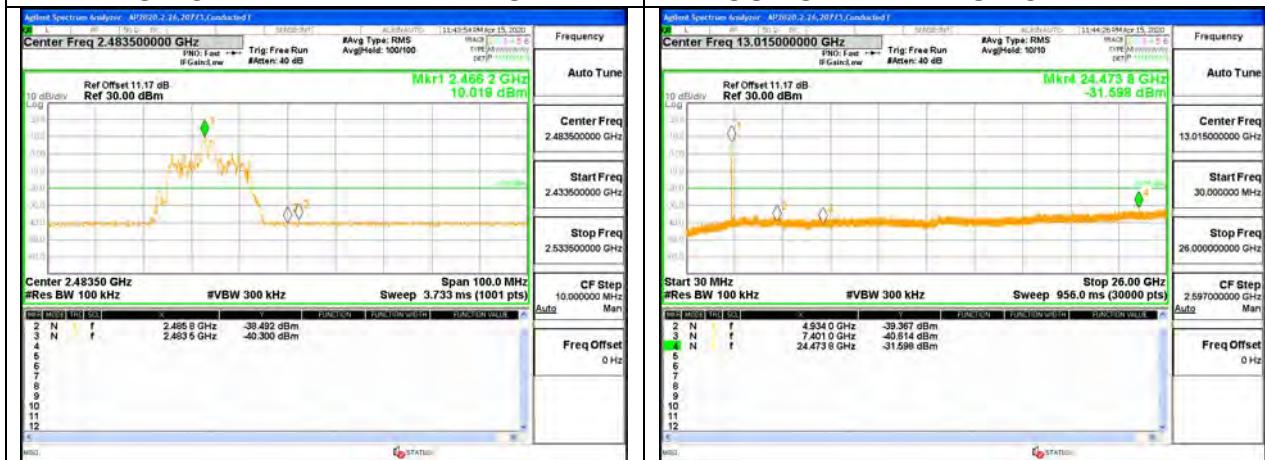


HIGH CHANNEL 10 BANDEDGE

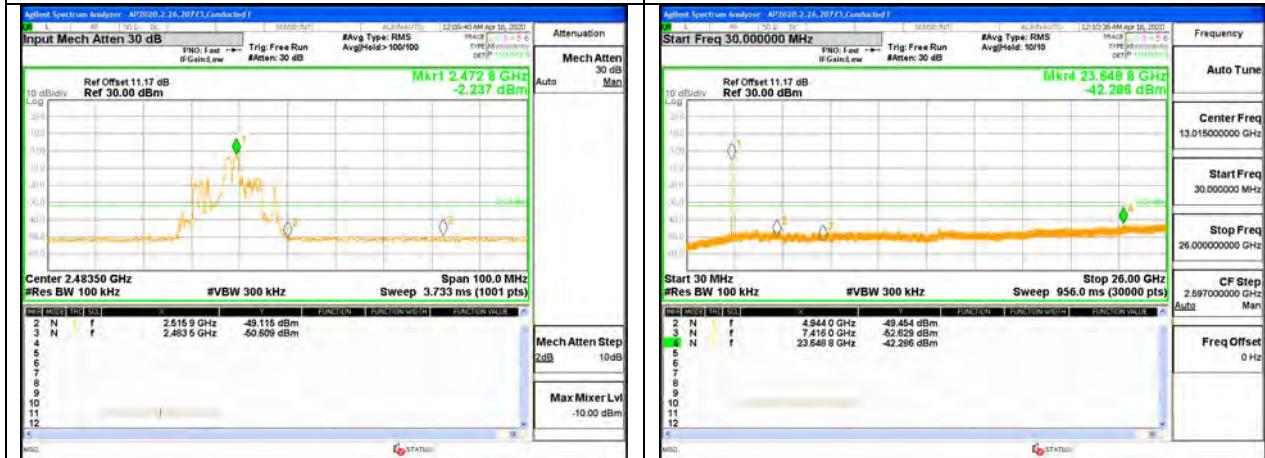
OUT-OF-BAND HIGH CHANNEL 10



HIGH CHANNEL 11 BANDEDGE



HIGH CHANNEL 12 BANDEDGE



HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 11



OUT-OF-BAND HIGH CHANNEL 12



OUT-OF-BAND HIGH CHANNEL 13