

9.5. SPURIOUS EMISSIONS IN-BAND – EMISSION MASK (LP)

LIMITS

FCC §15.407

(b)(7) For transmitters operating within the 5.925-7.125 GHz bands: power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

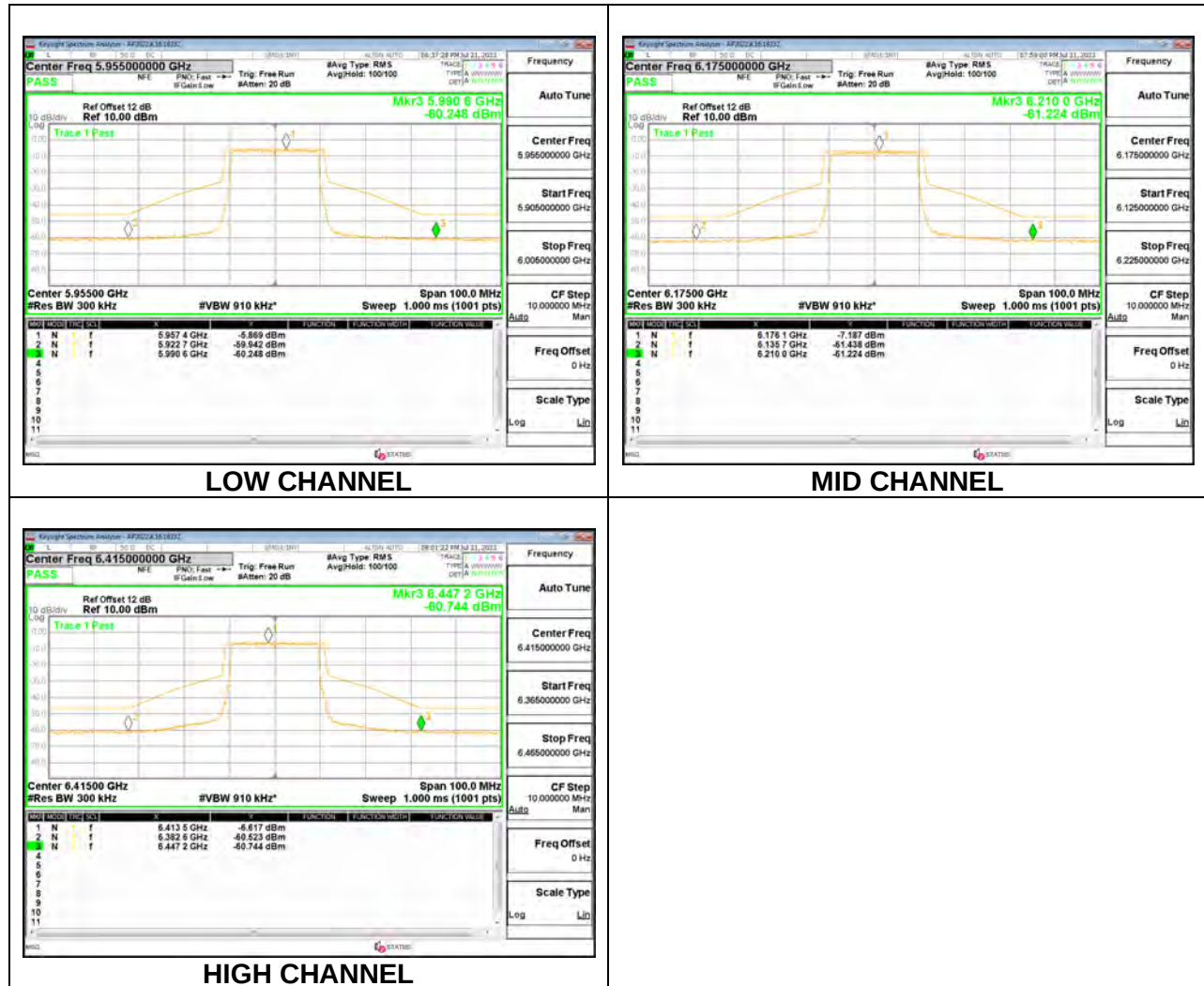
TEST PROCEDURE

Follow KCB 987594 D02 v01r01, Section II-J, RBW & VBW settings were based on 26dB bandwidth test settings. For RU26 tone for all bandwidths, the RBW & VBW settings were used equal or greater than 26dB bandwidth test settings.

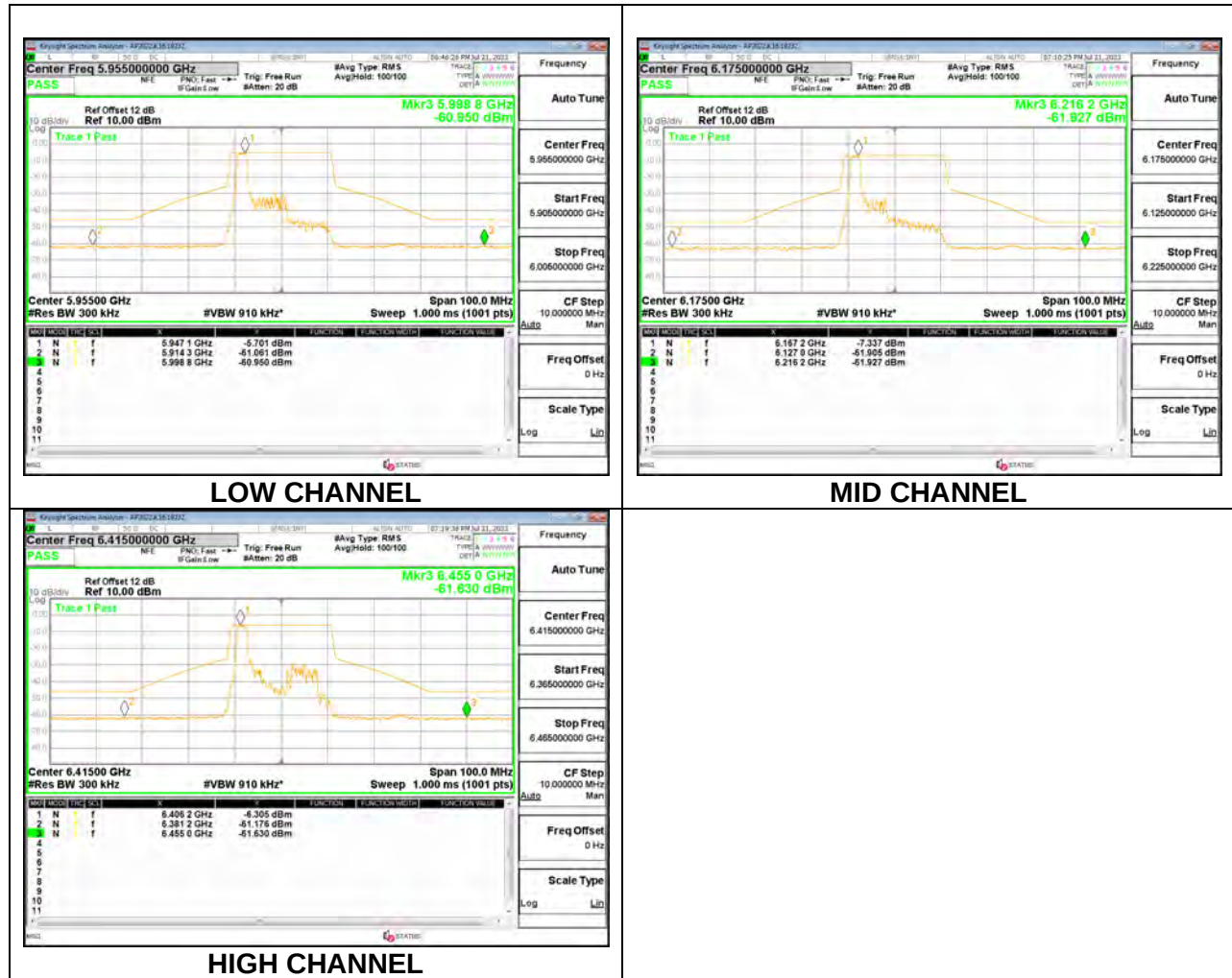
RESULTS

9.5.1. 802.11ax HE20 MODE IN THE UNII-5 BAND

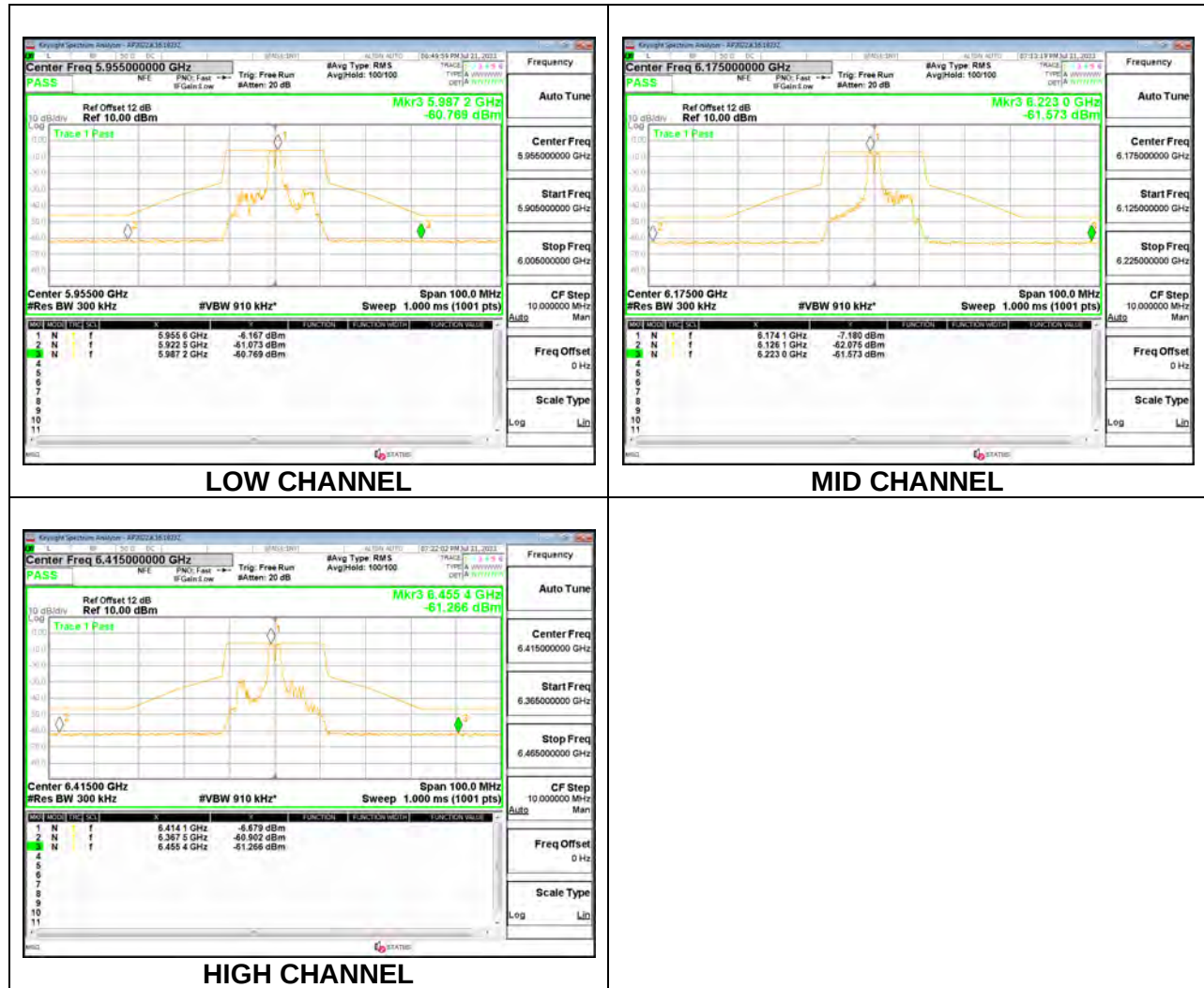
1TX Antenna 6 MODE: SU, Single User



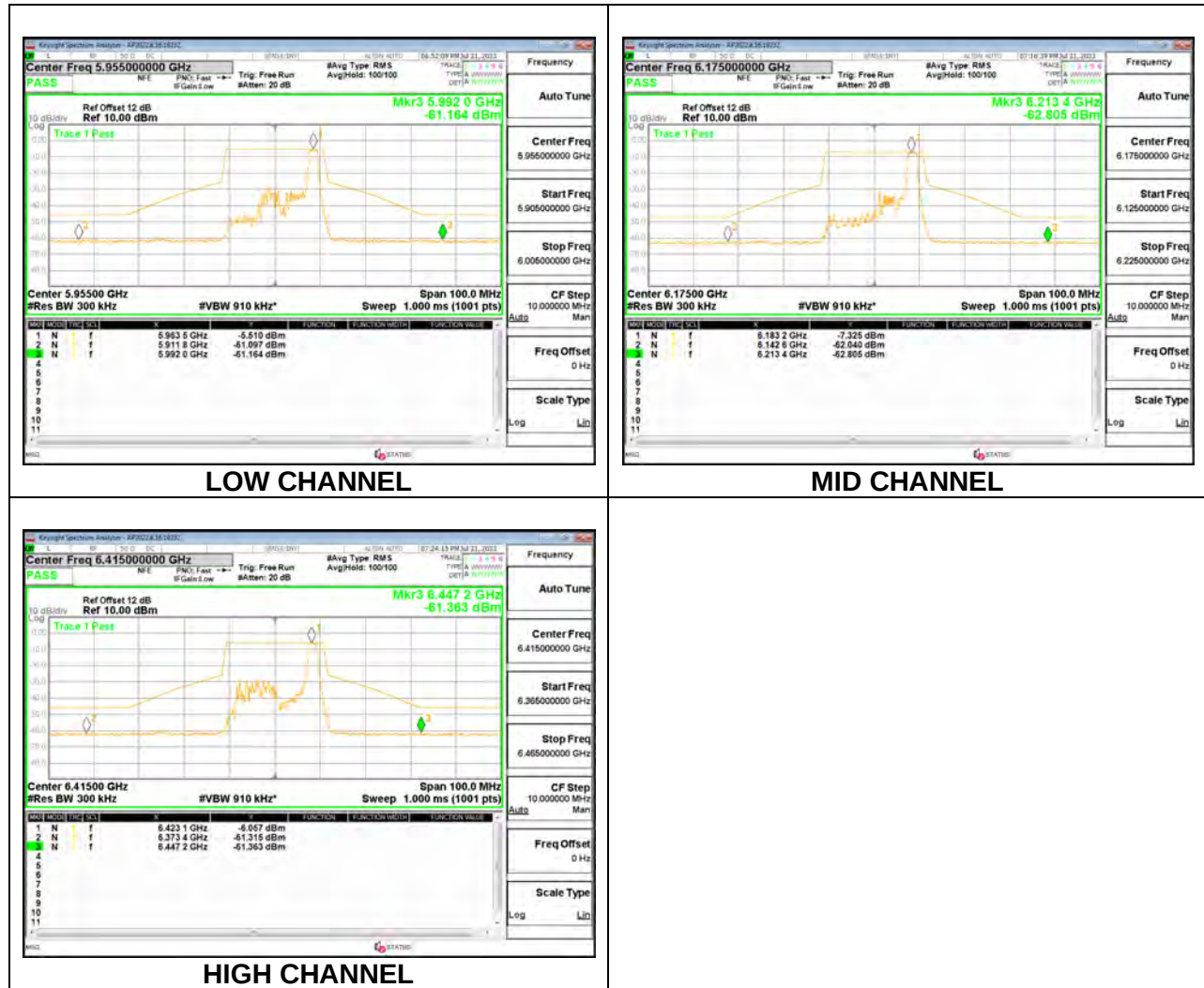
1TX Antenna 6 MODE: 26-Tone, RU Index 0



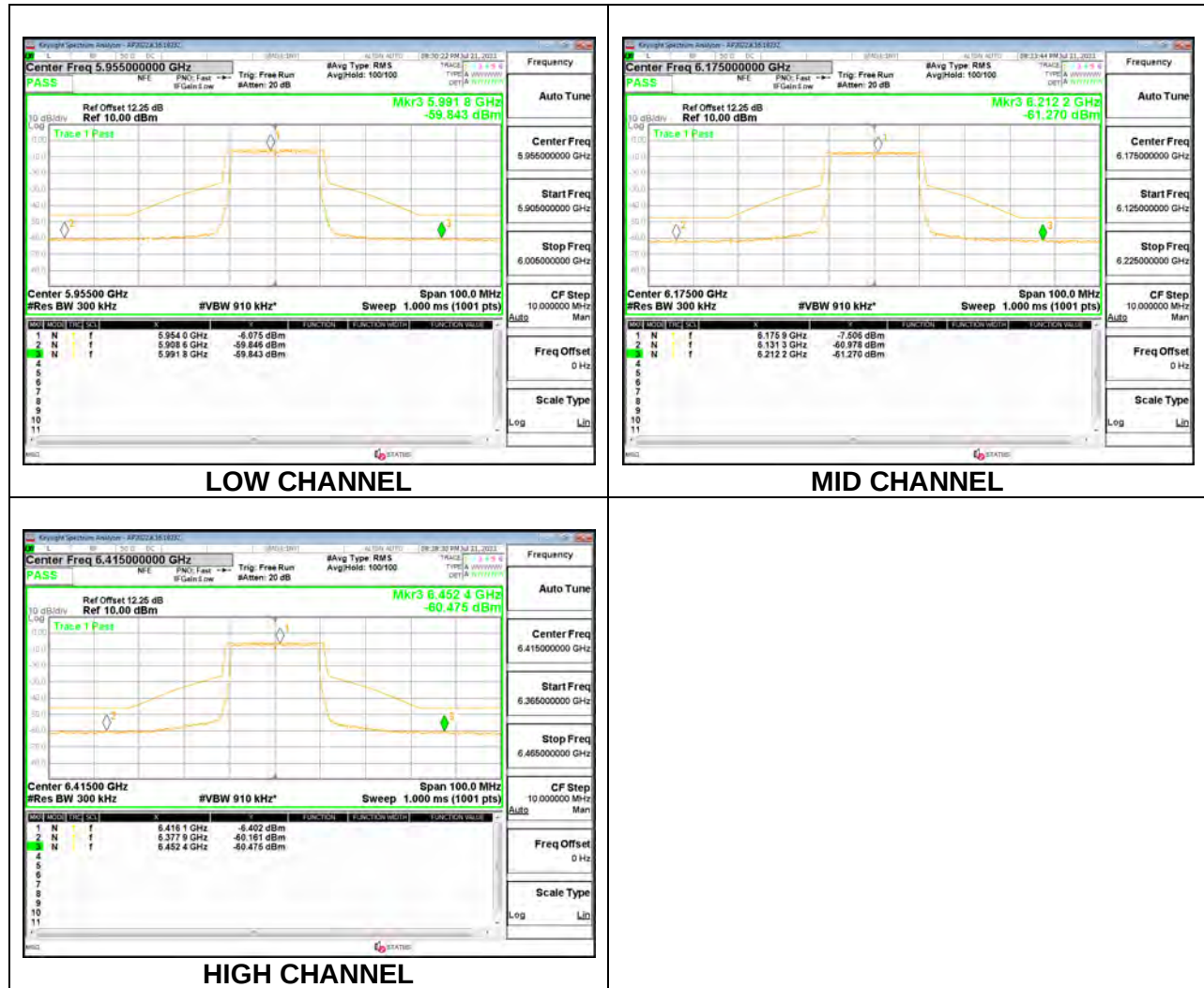
1TX Antenna 6 MODE: 26-Tone, RU Index 4



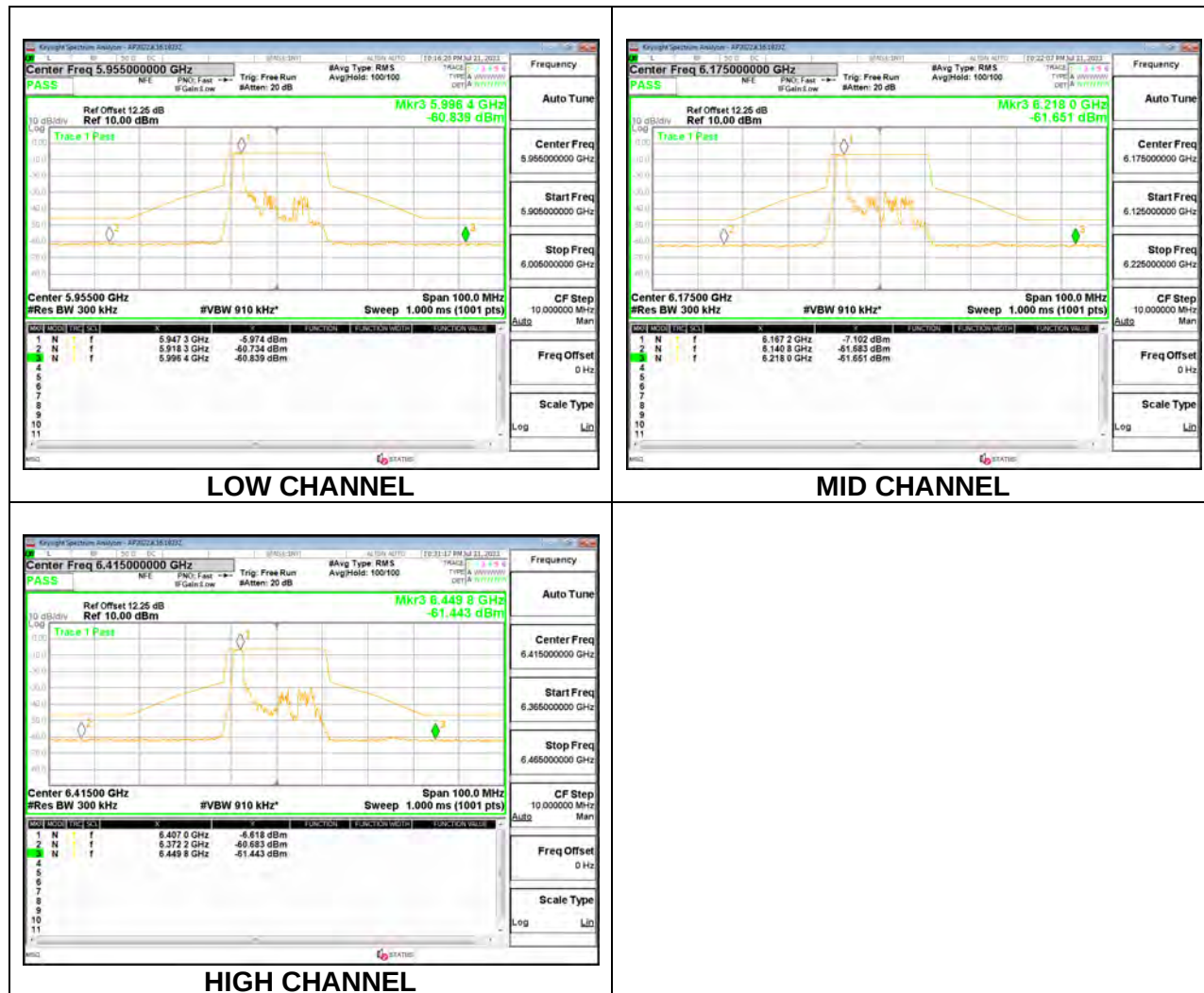
1TX Antenna 6 MODE: 26-Tone, RU Index 8



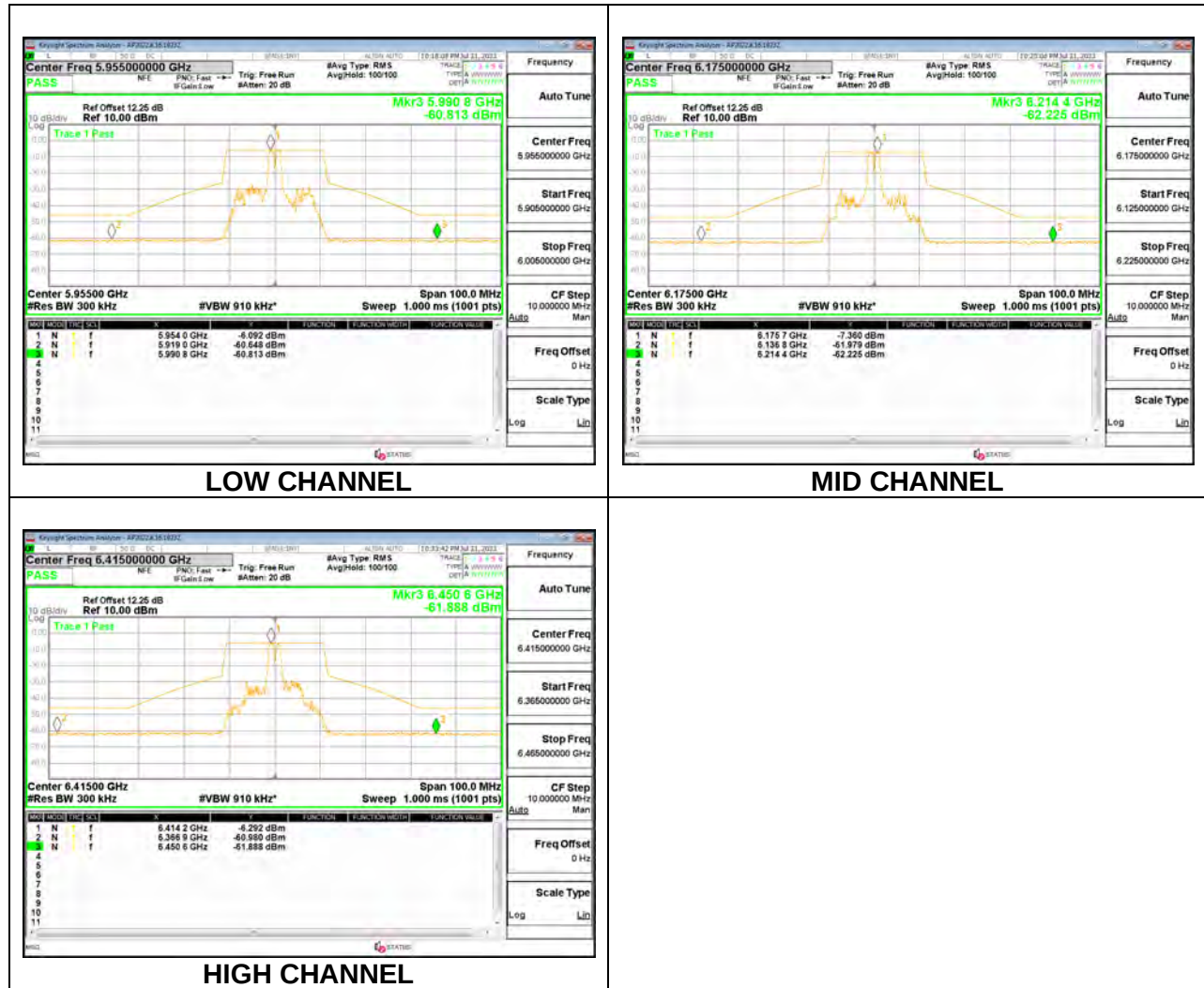
1TX Antenna 5 MODE: SU, Single User



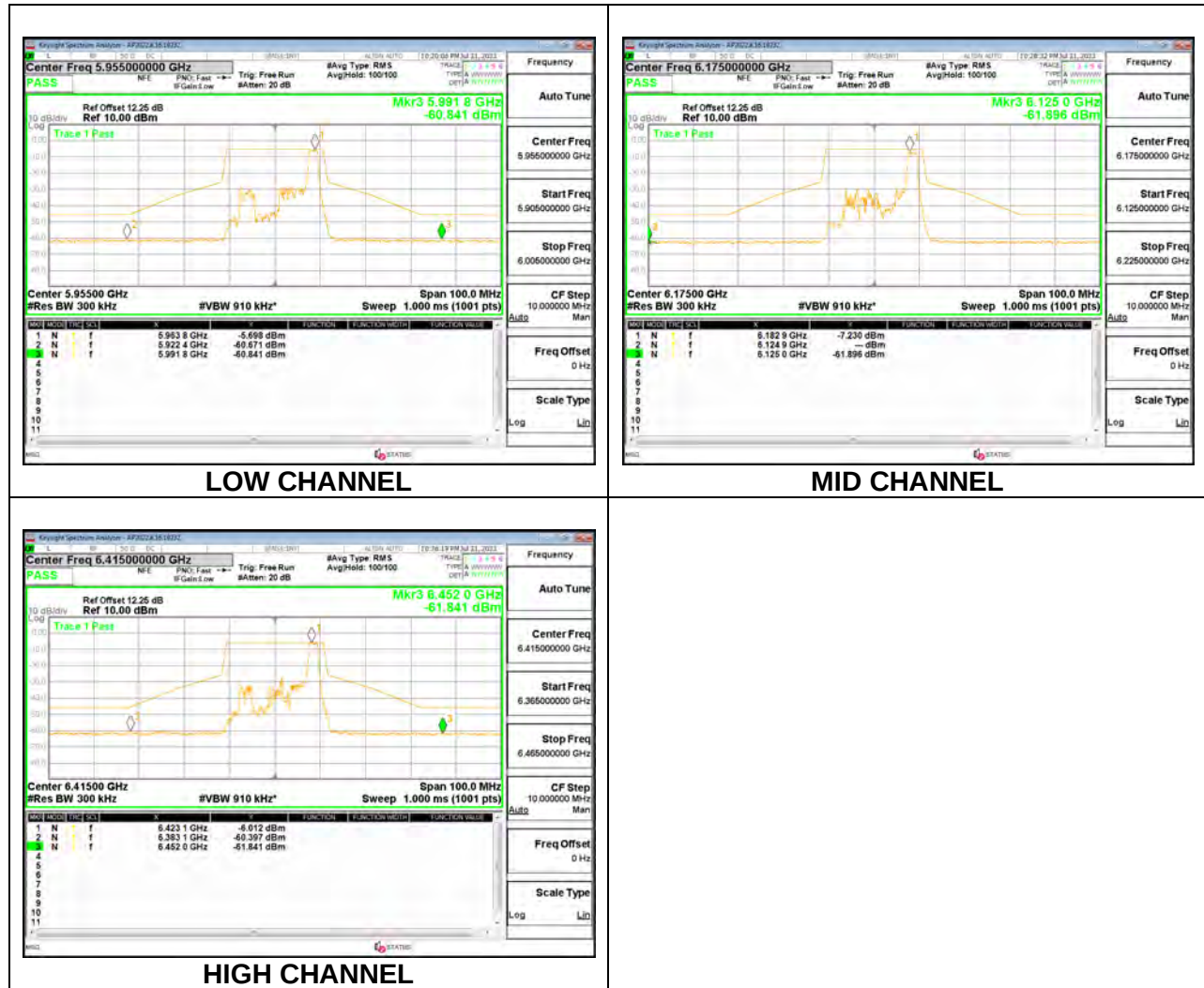
1TX Antenna 5 MODE: 26-Tone, RU Index 0



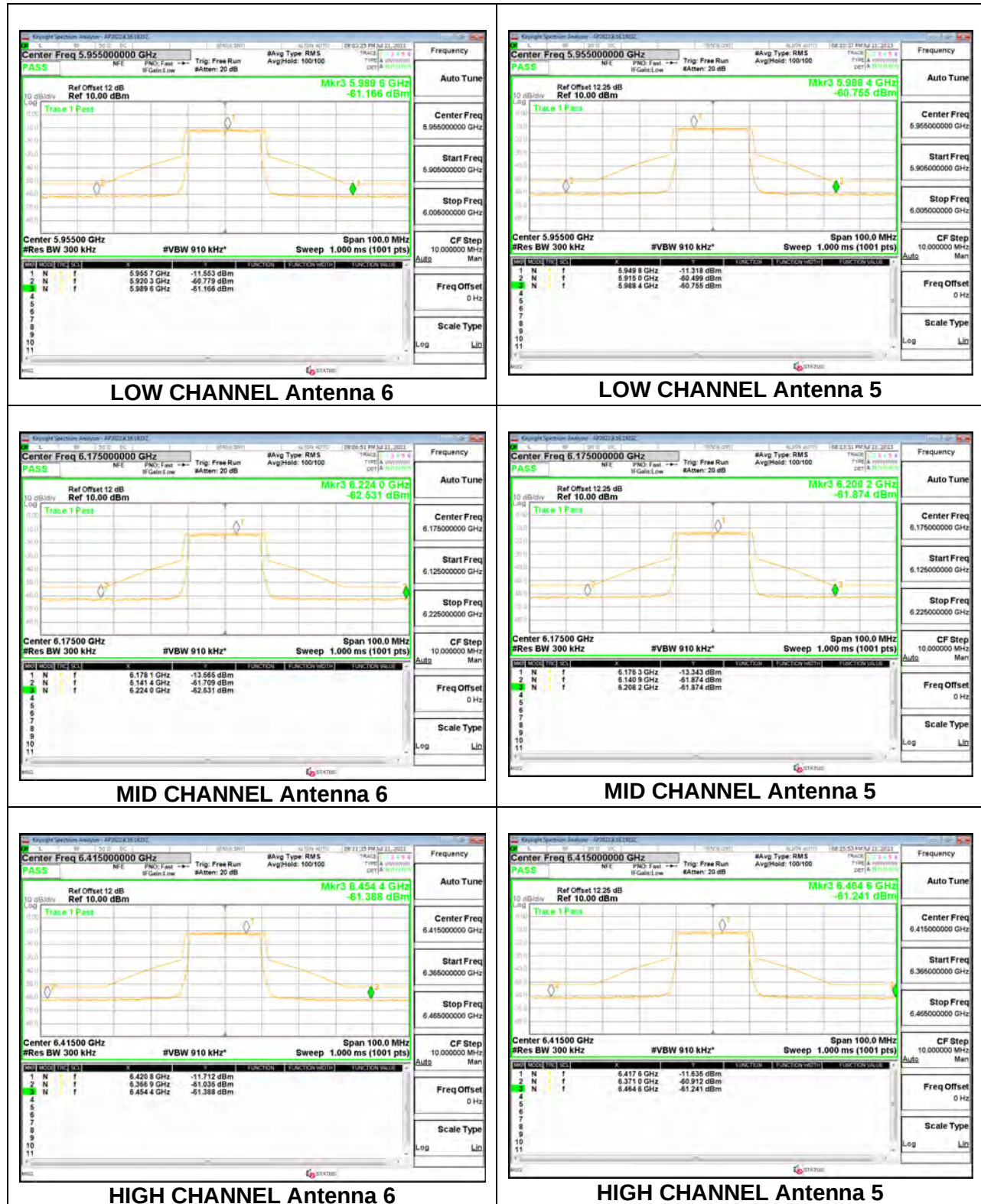
1TX Antenna 5 MODE: 26-Tone, RU Index 4



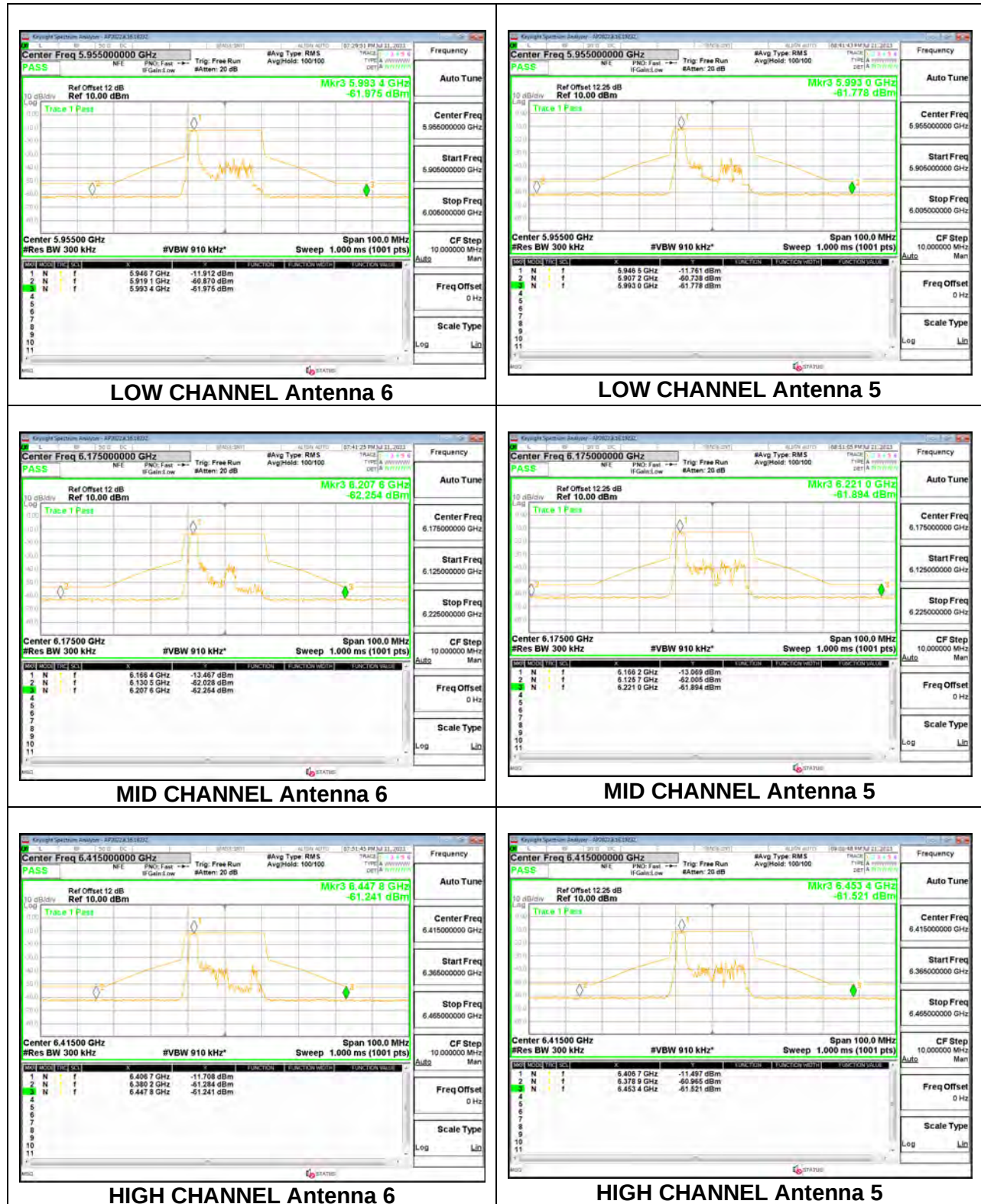
1TX Antenna 5 MODE: 26-Tone, RU Index 8



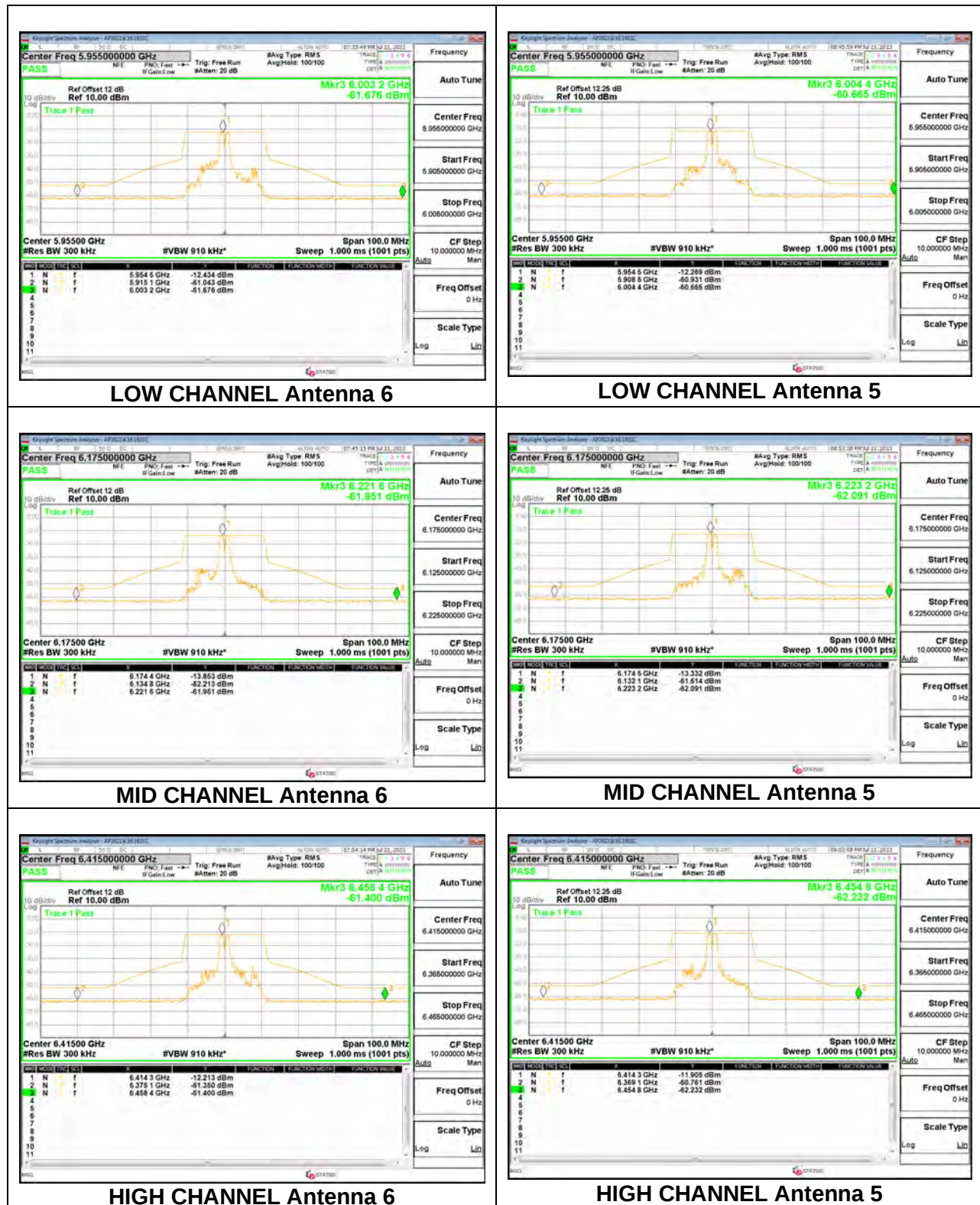
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User



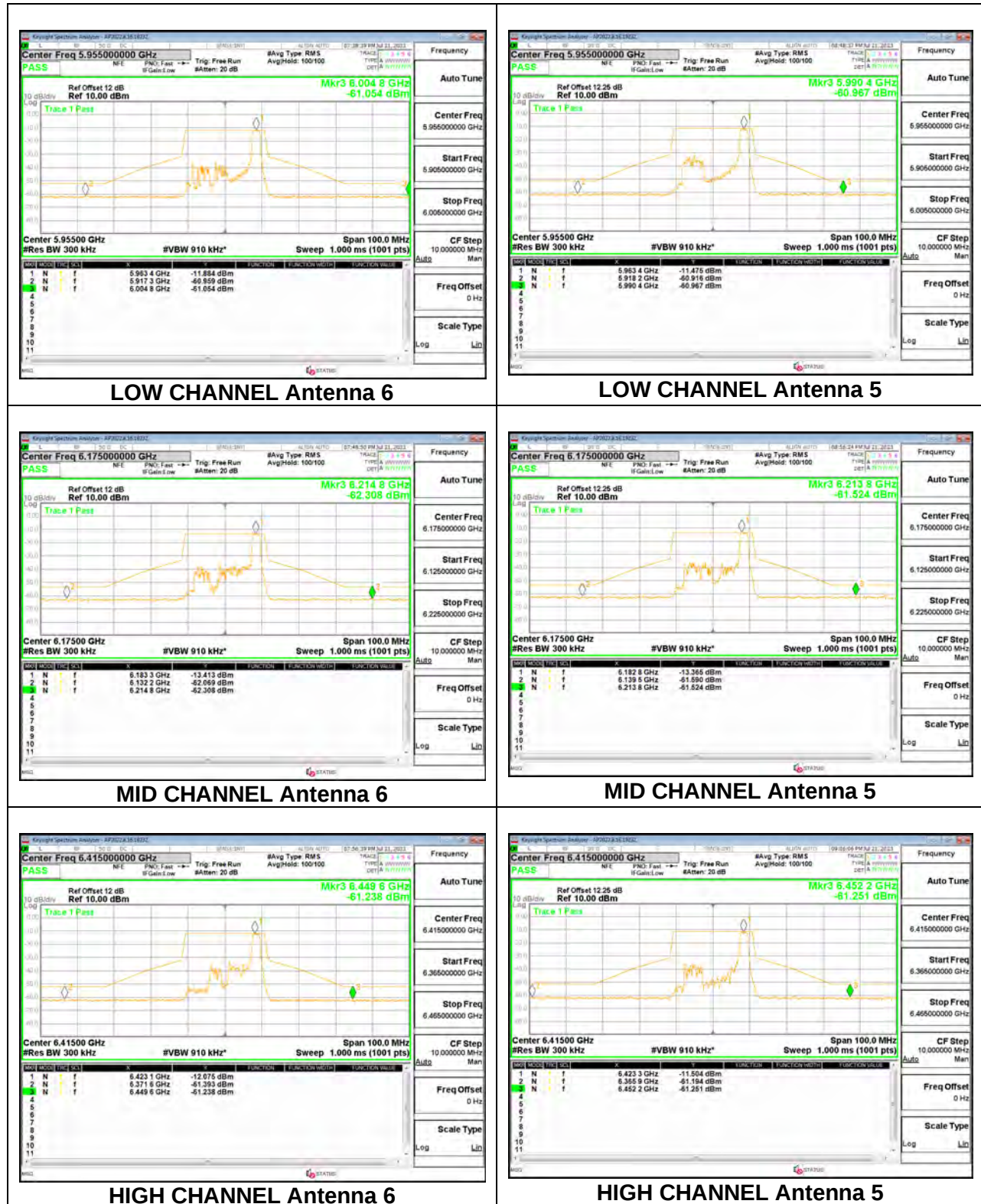
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0



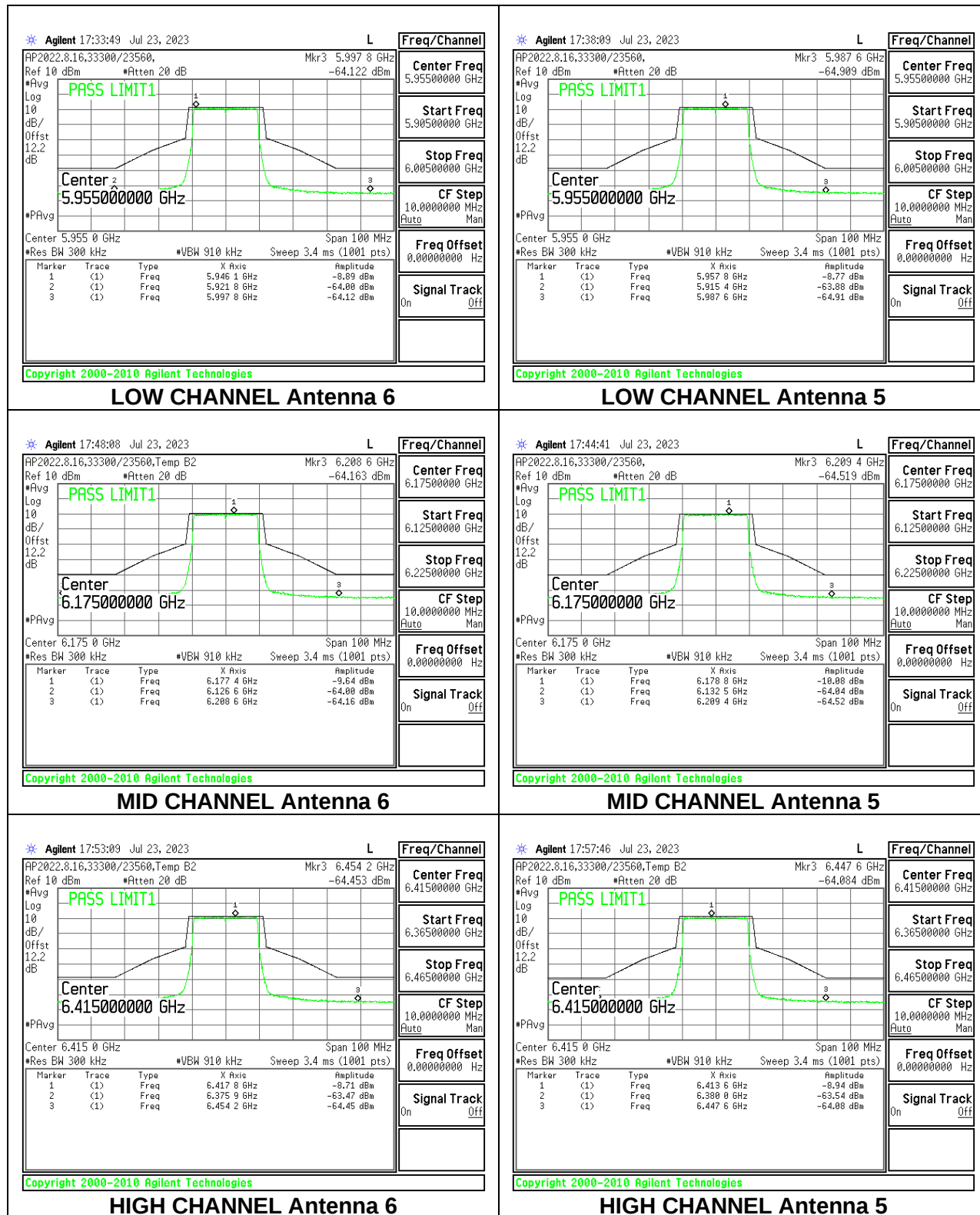
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 4



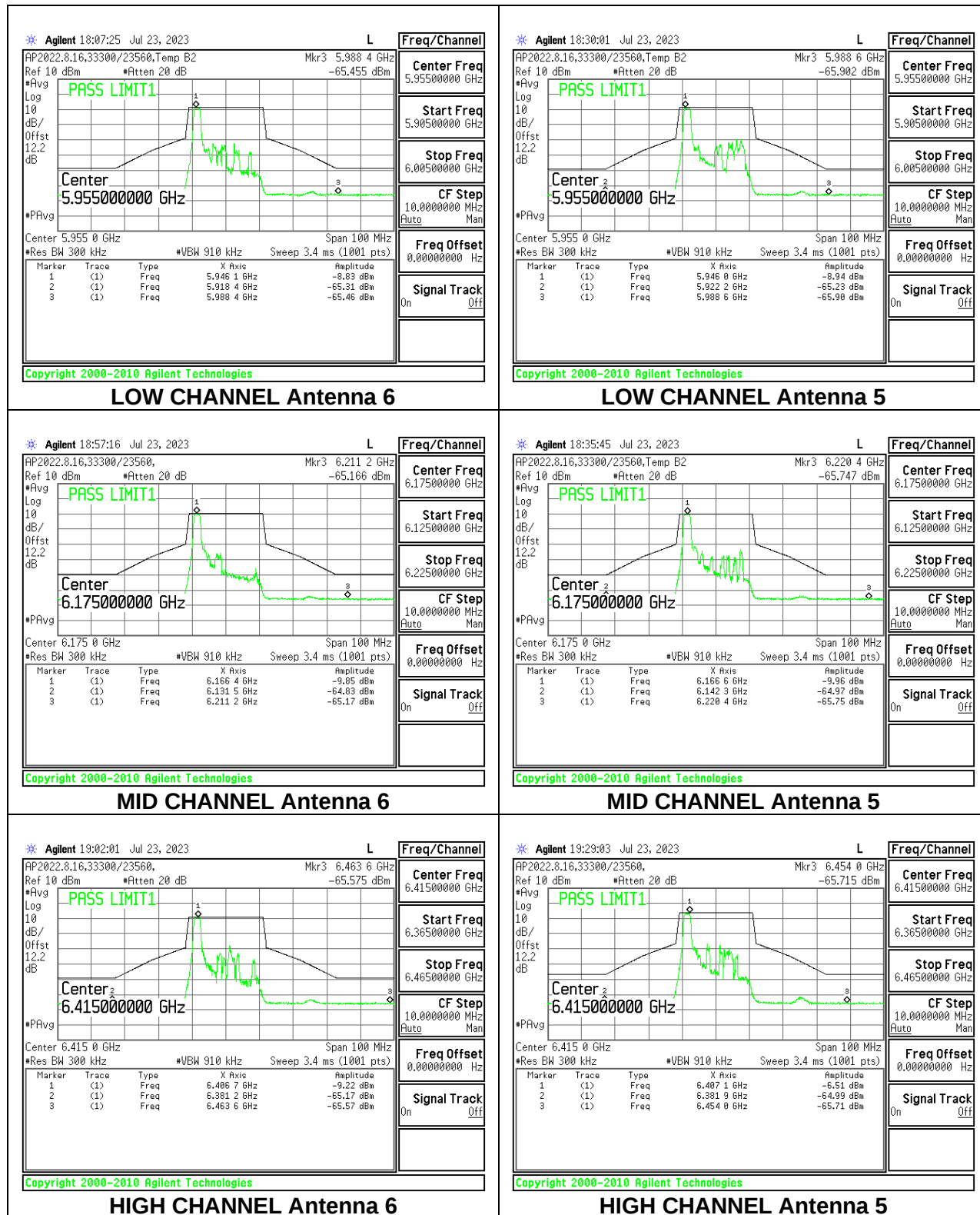
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8



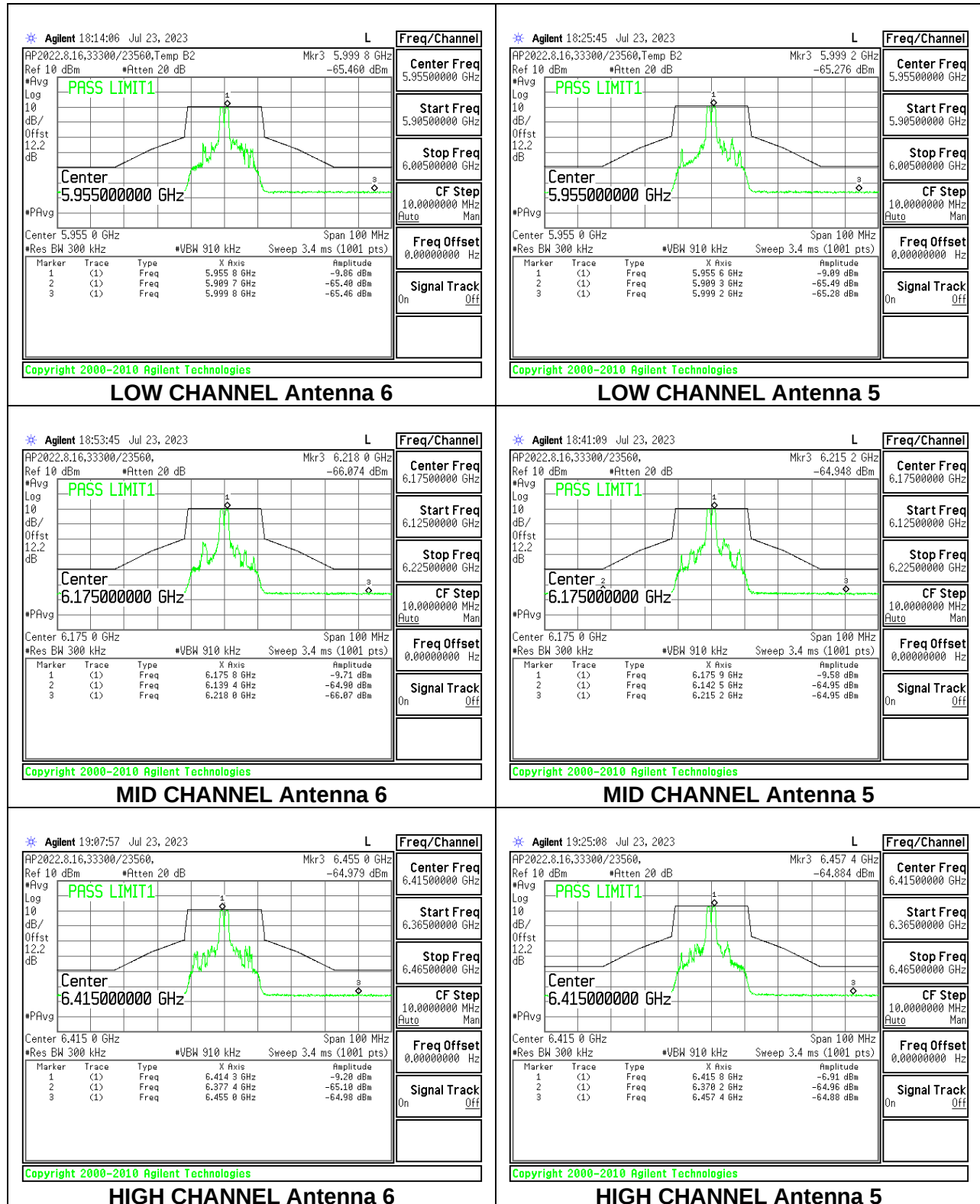
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User



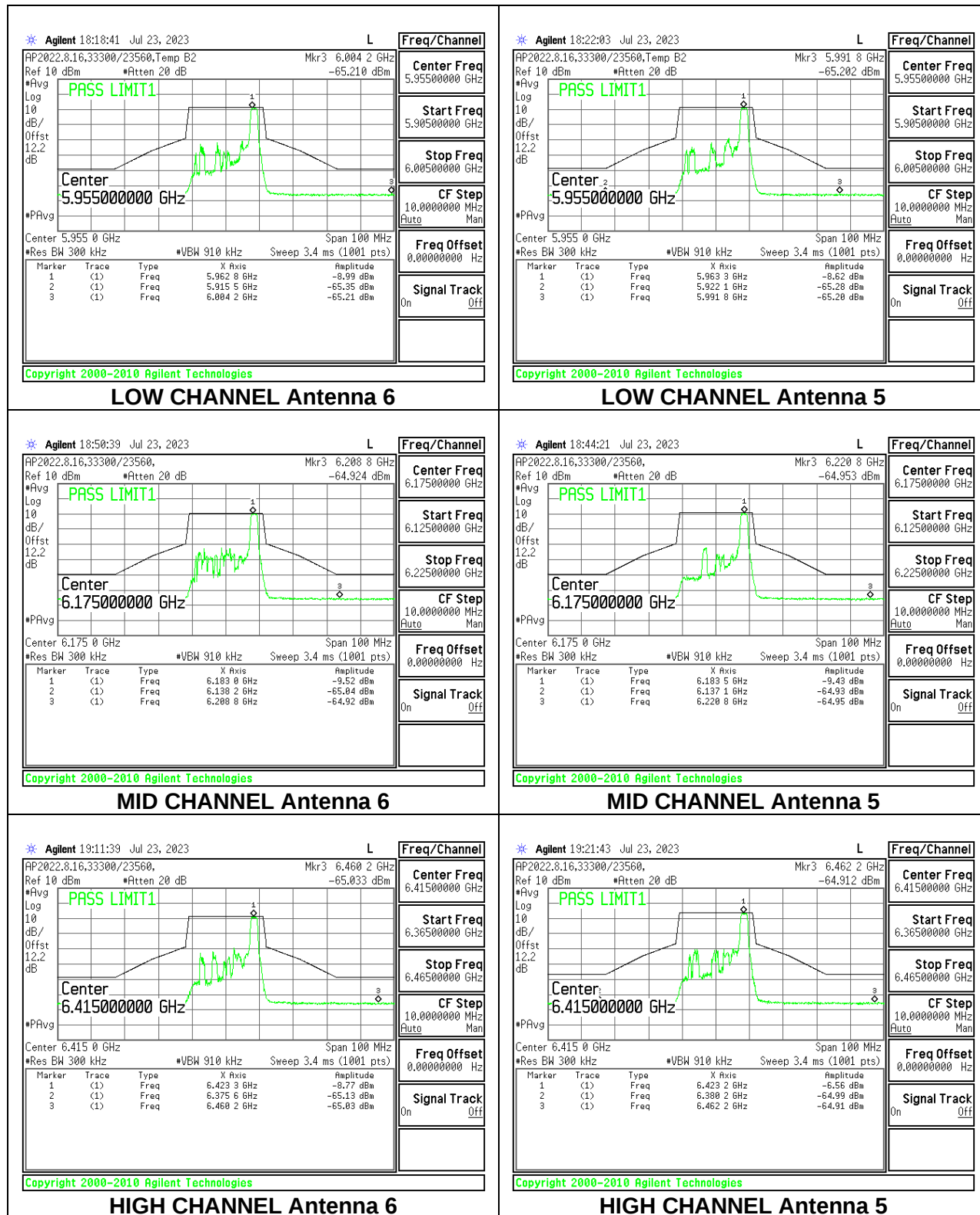
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 4

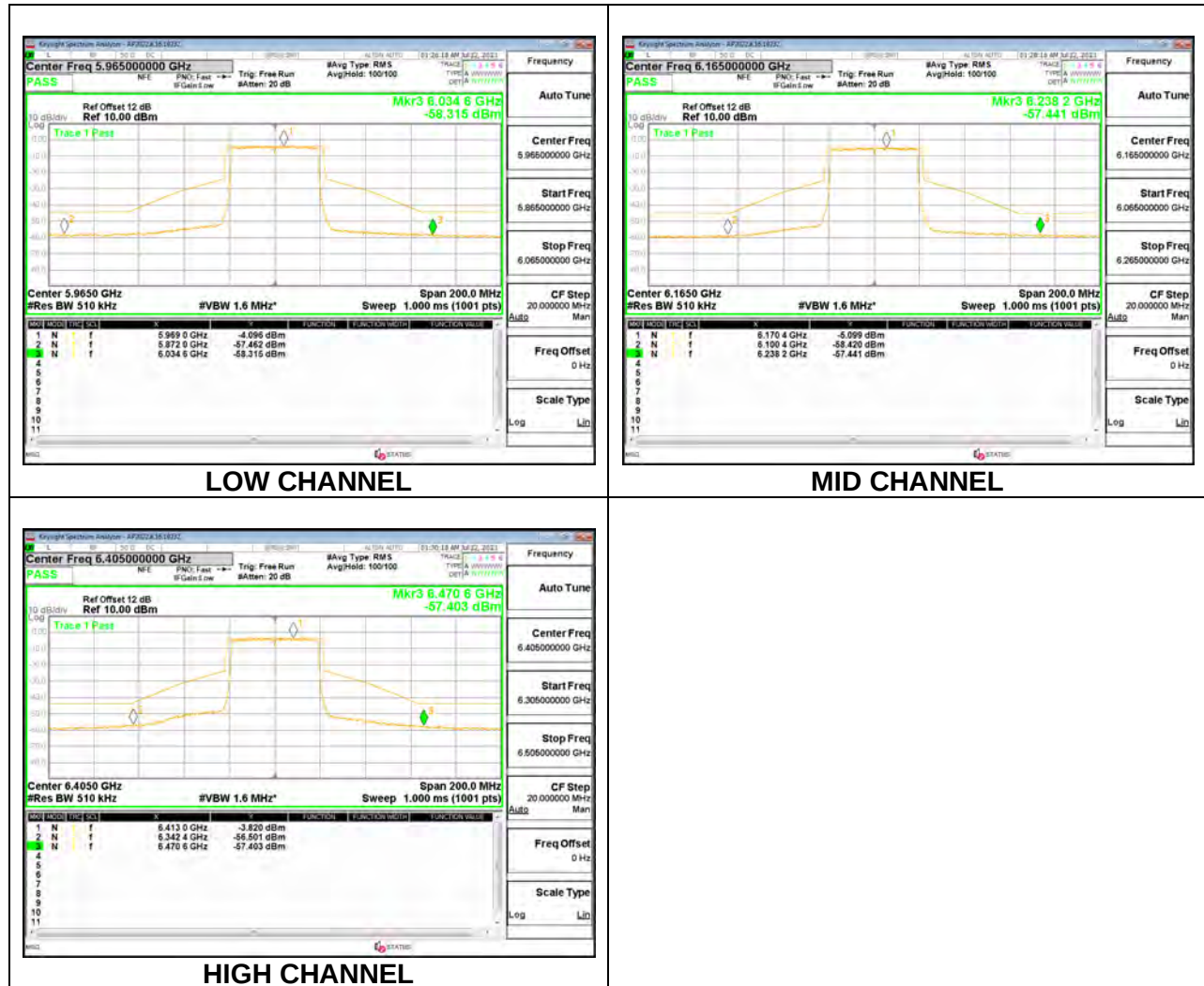


2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

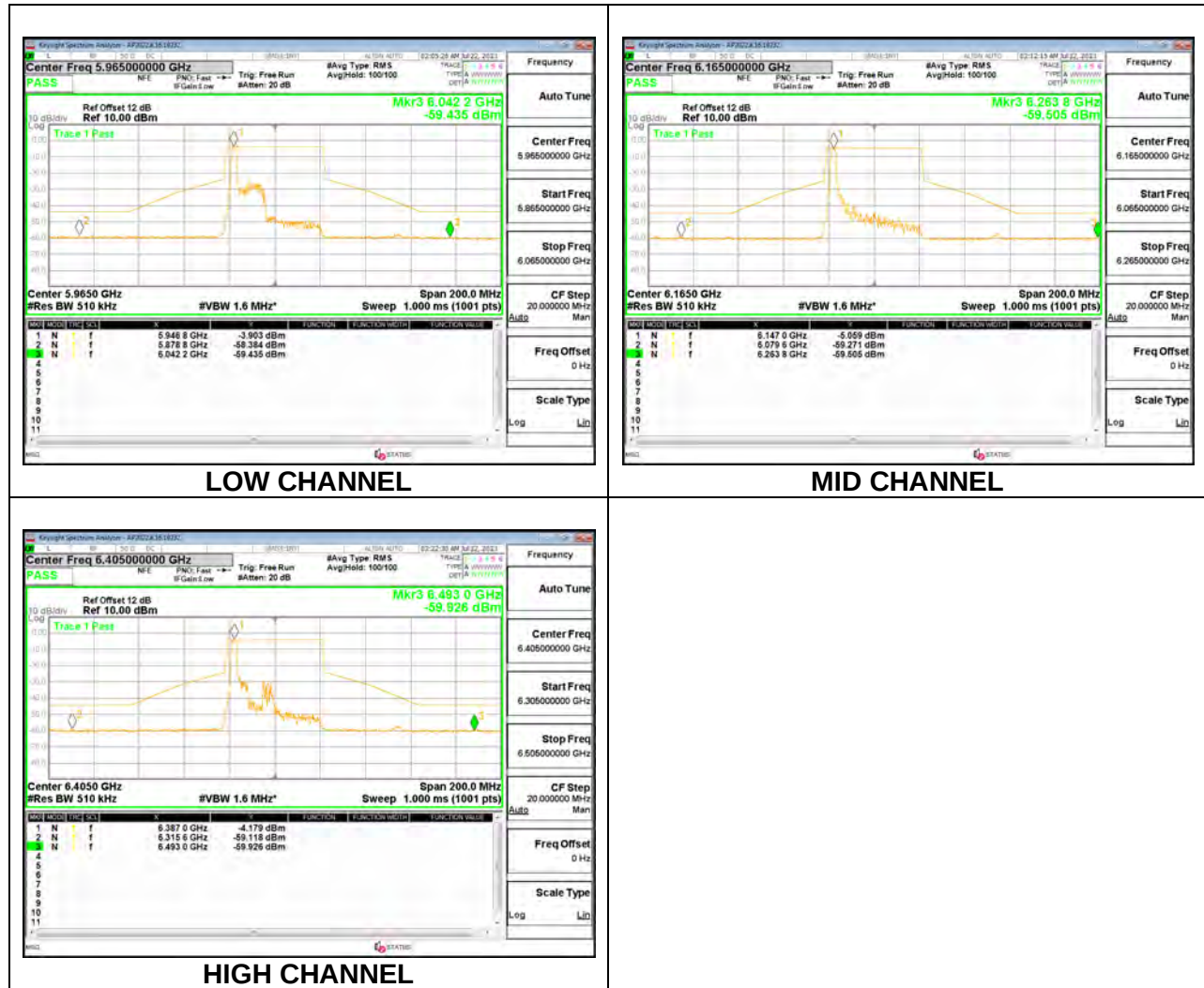


9.5.2. 802.11ax HE40 MODE IN THE UNII-5 BAND

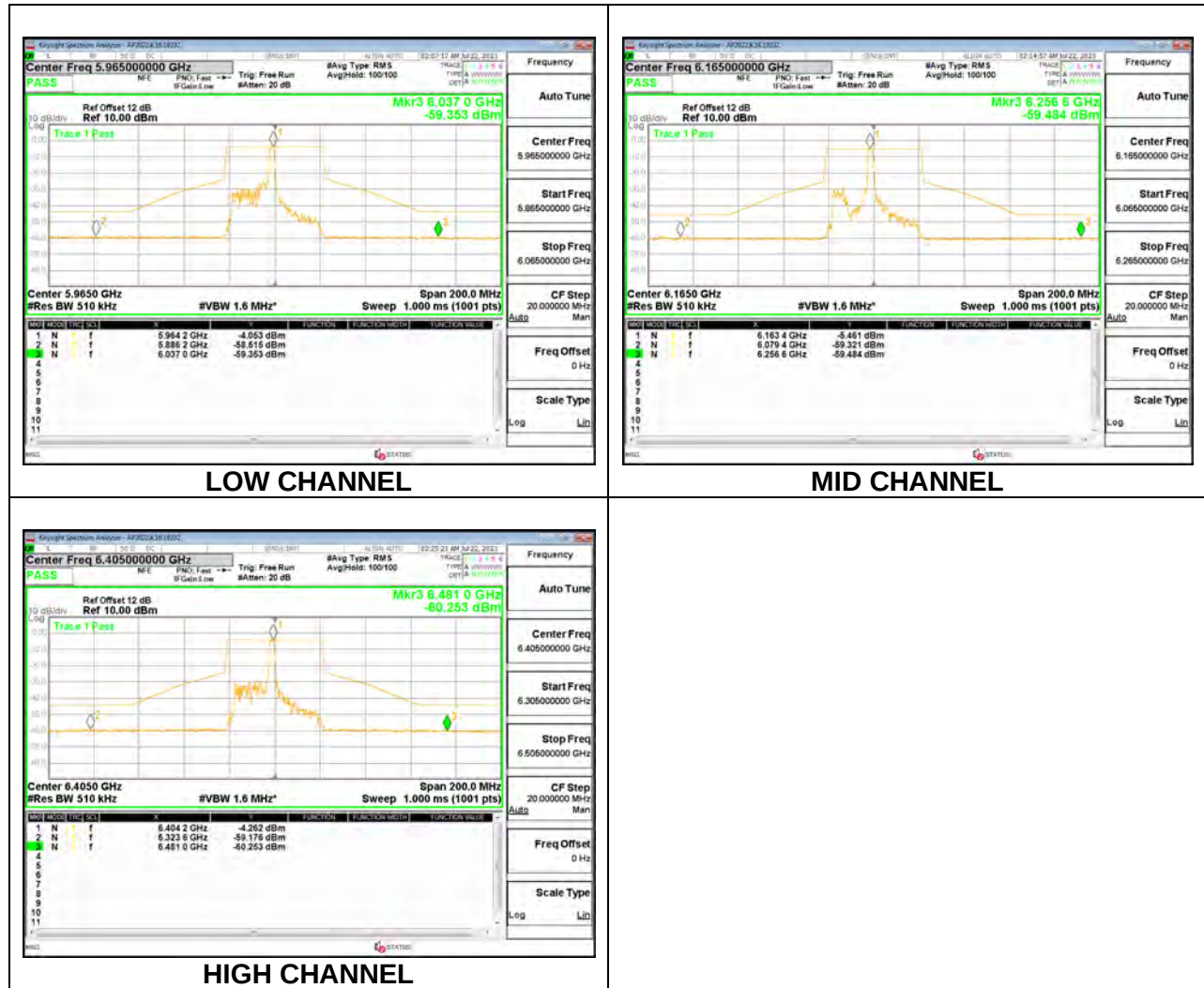
1TX Antenna 6 MODE: SU, Single User



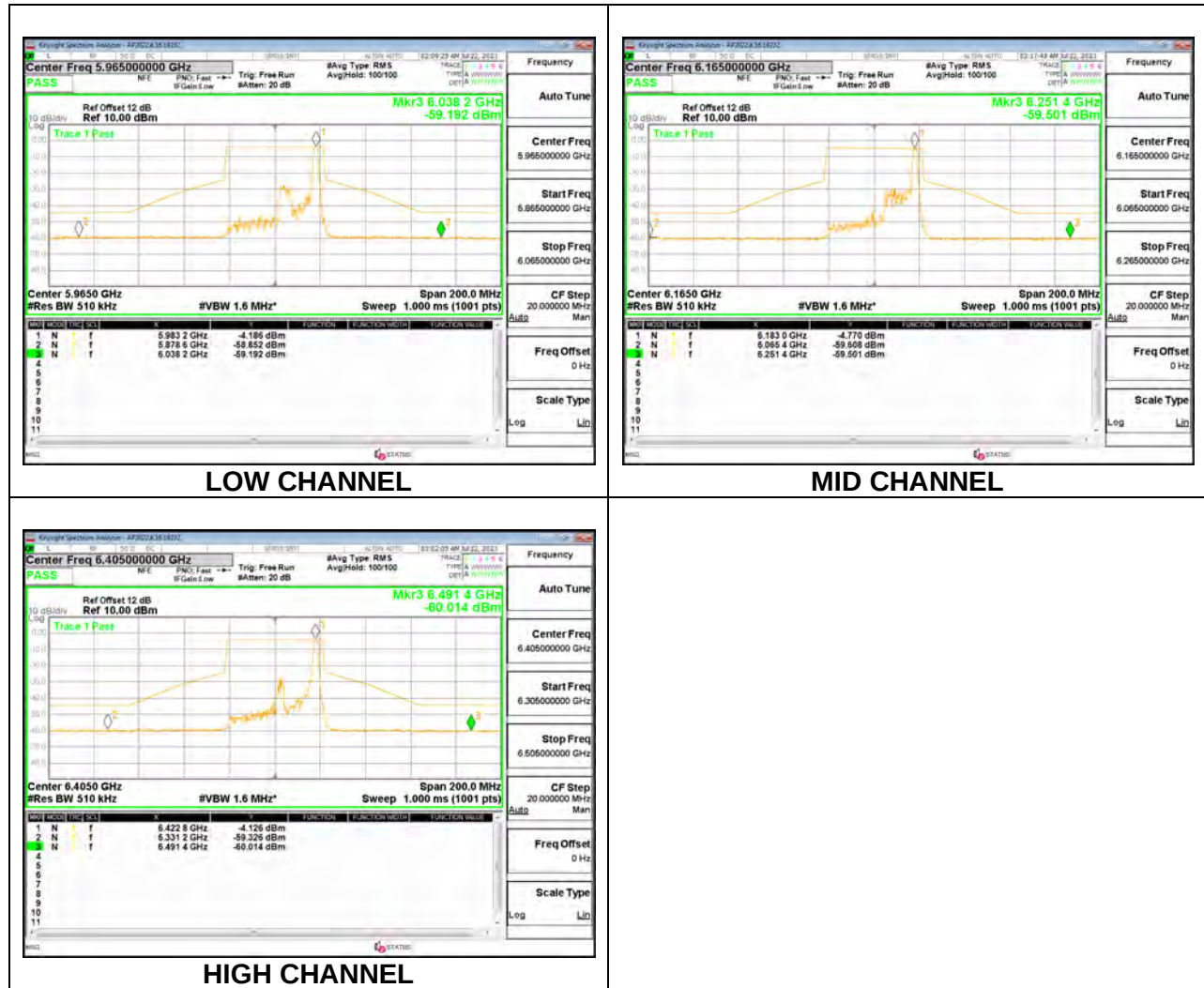
1TX Antenna 6 MODE: 26-Tone, RU Index 0



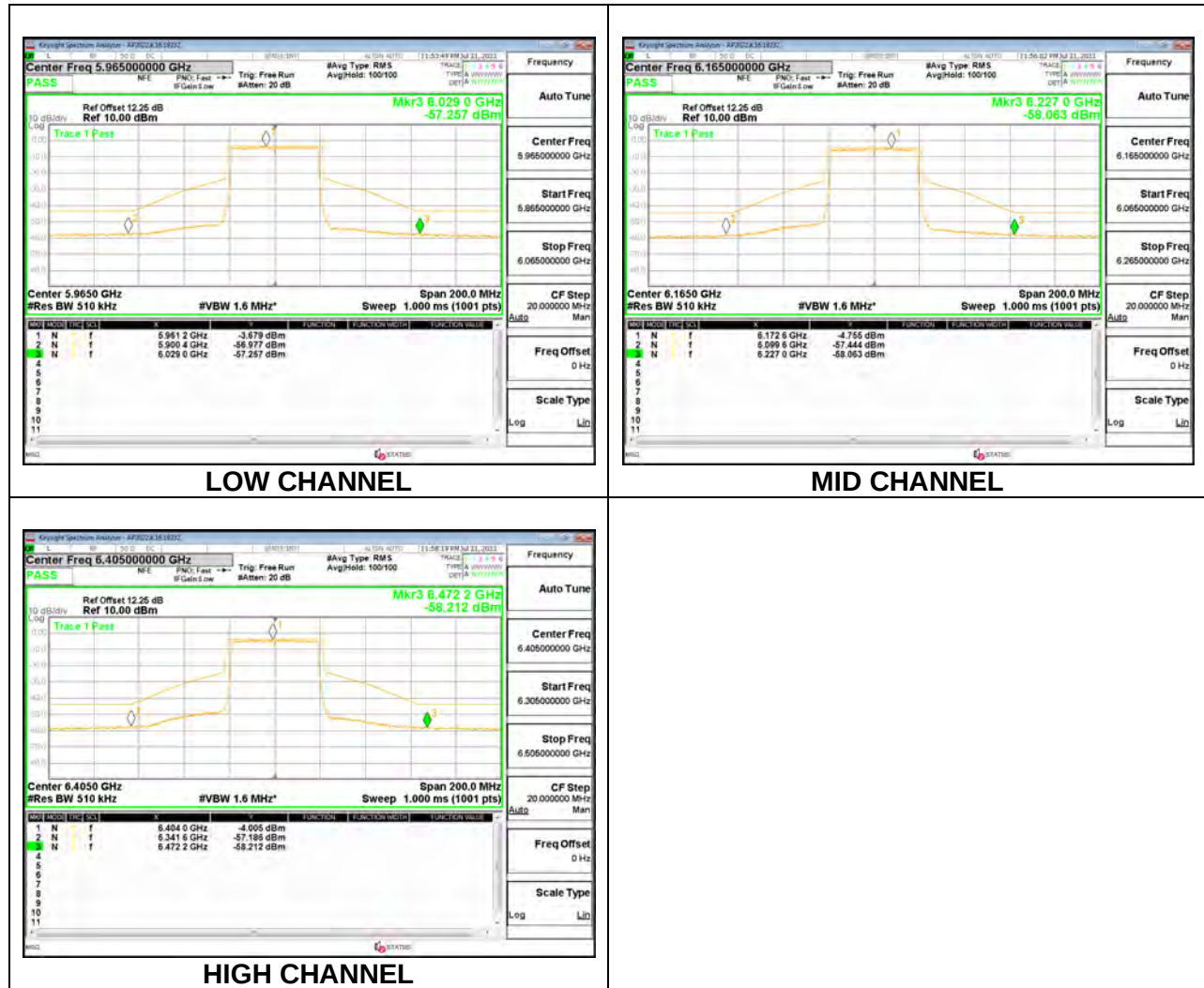
1TX Antenna 6 MODE: 26-Tone, RU Index 8



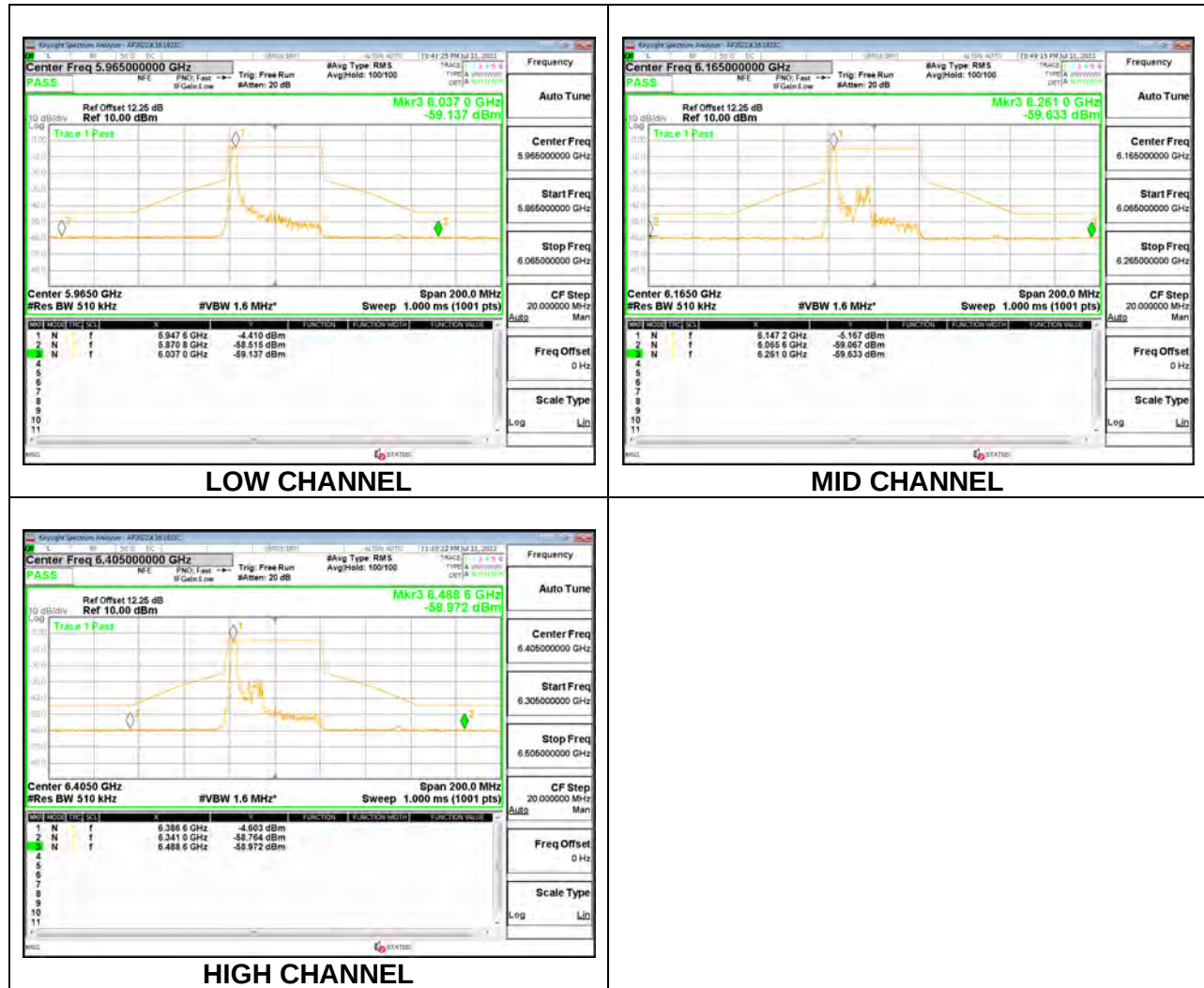
1TX Antenna 6 MODE: 26-Tone, RU Index 17



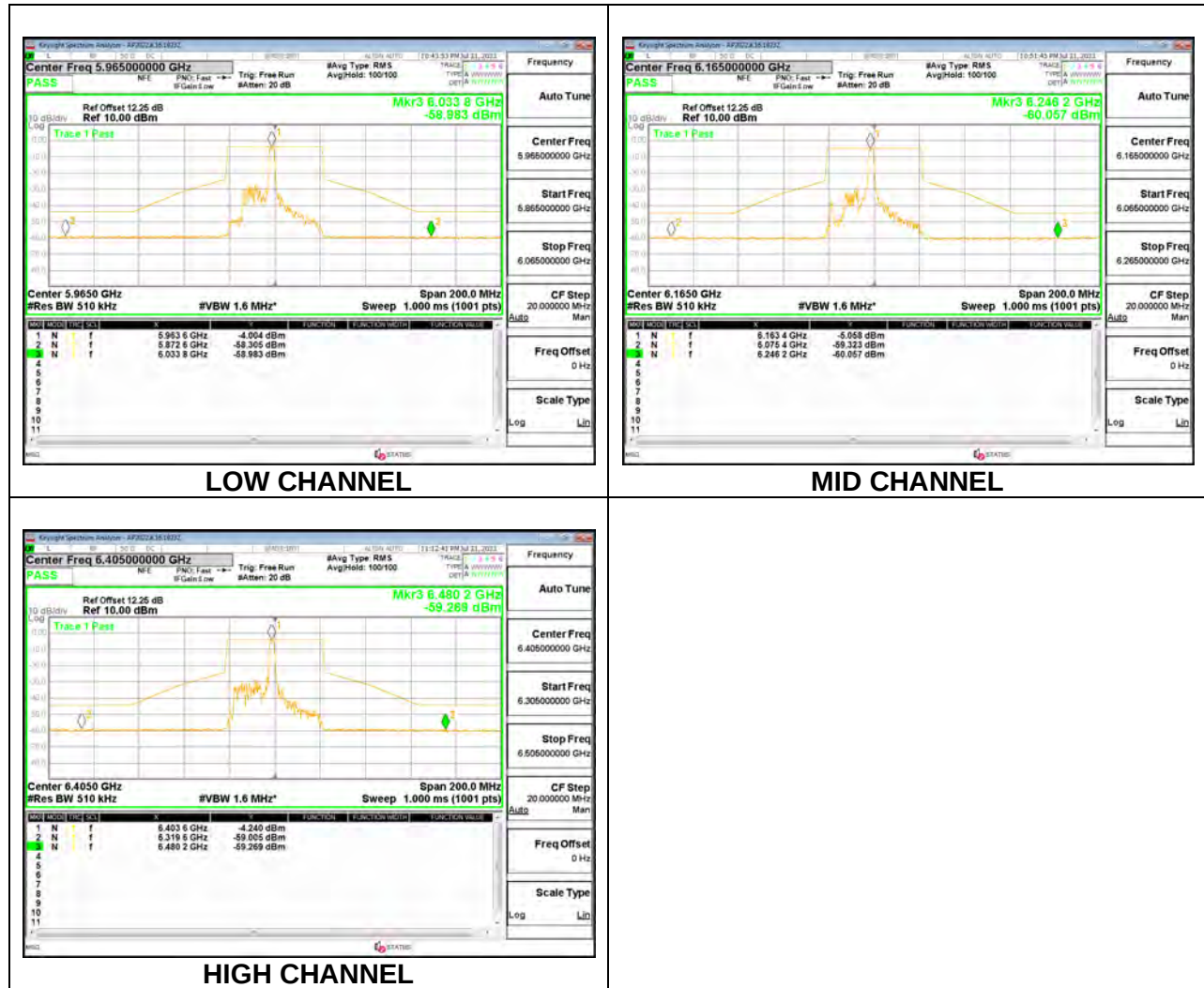
1TX Antenna 5 MODE: SU, Single User



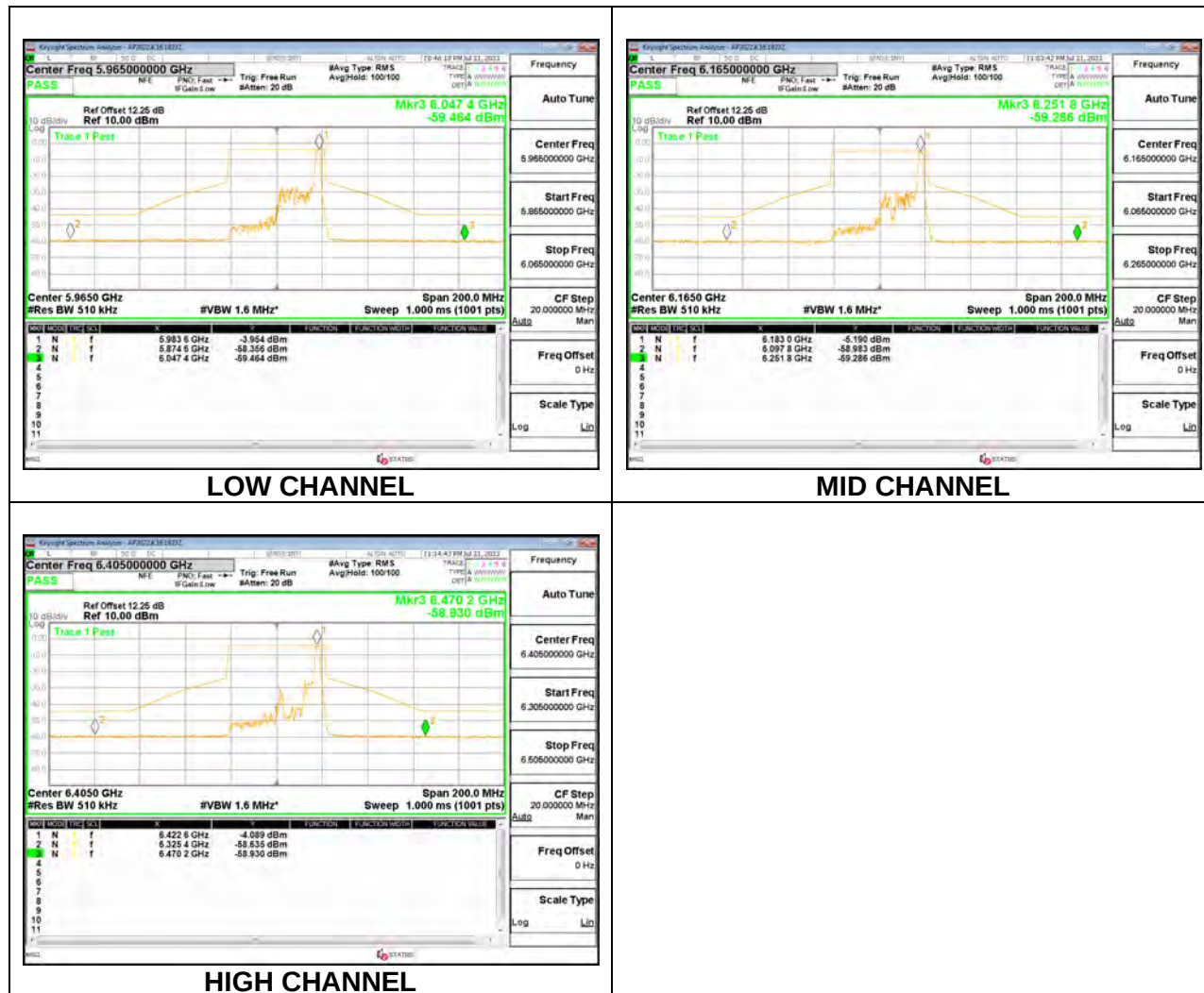
1TX Antenna 5 MODE: 26-Tone, RU Index 0



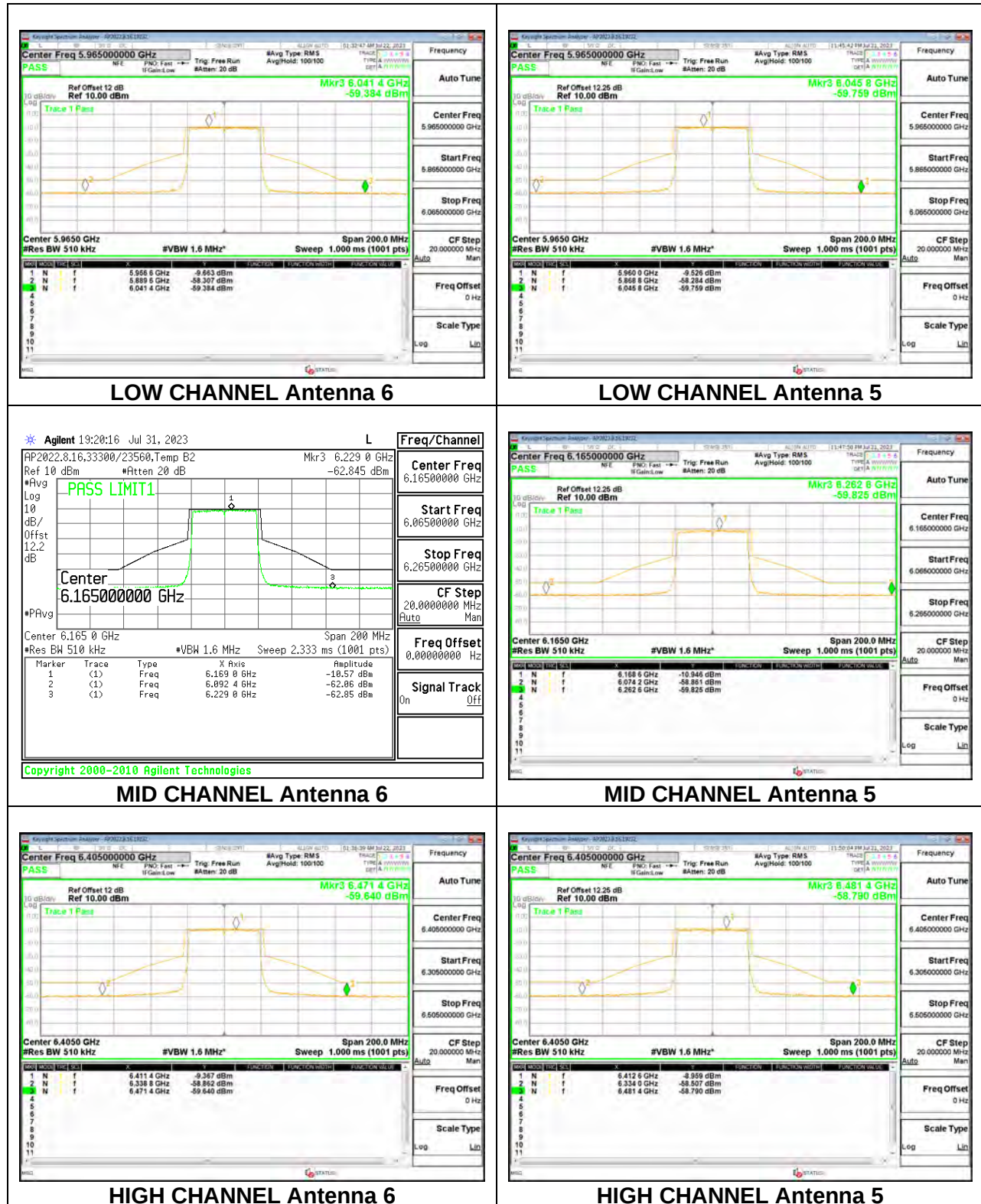
1TX Antenna 5 MODE: 26-Tone, RU Index 8



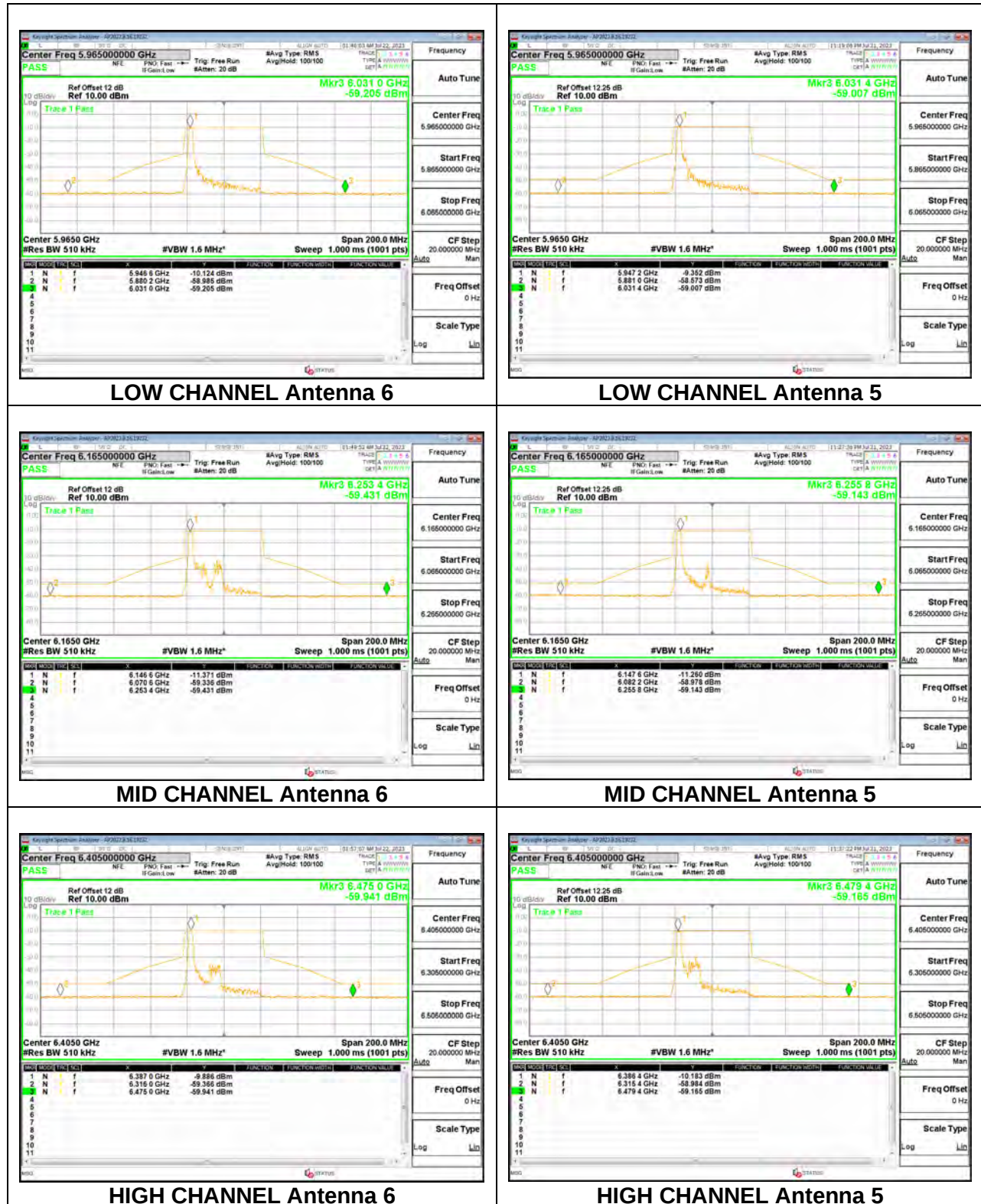
1TX Antenna 5 MODE: 26-Tone, RU Index 17



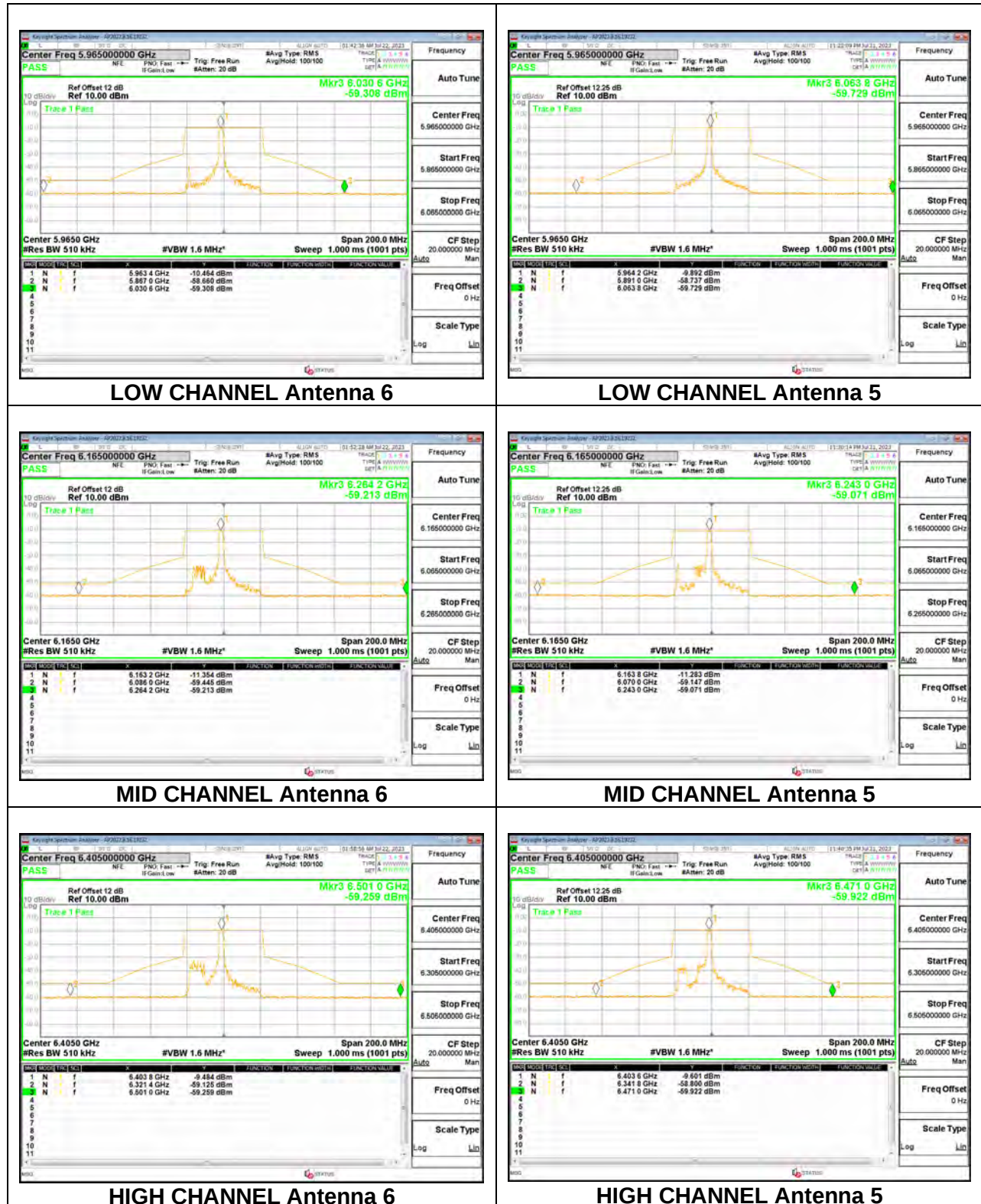
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User



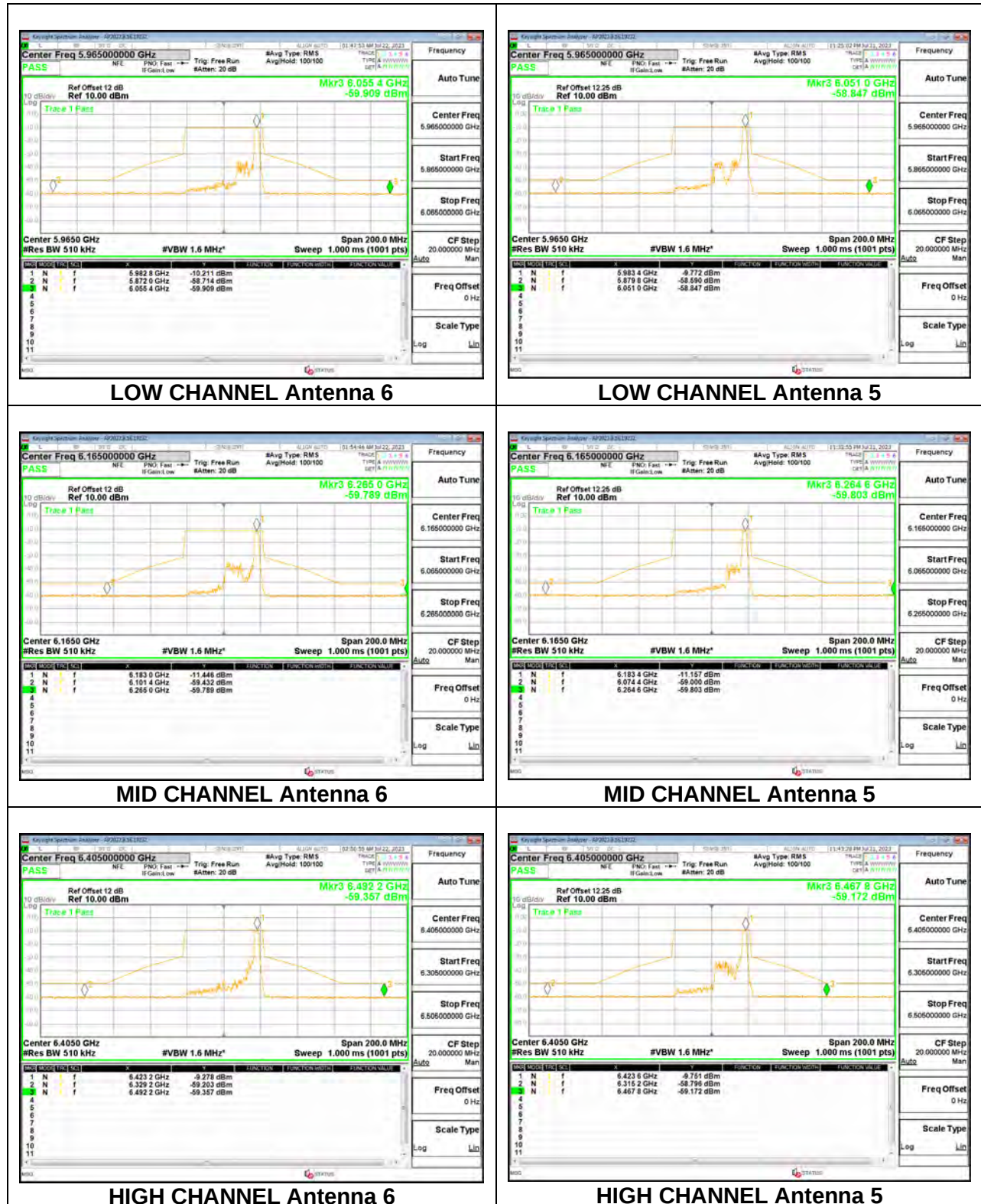
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0



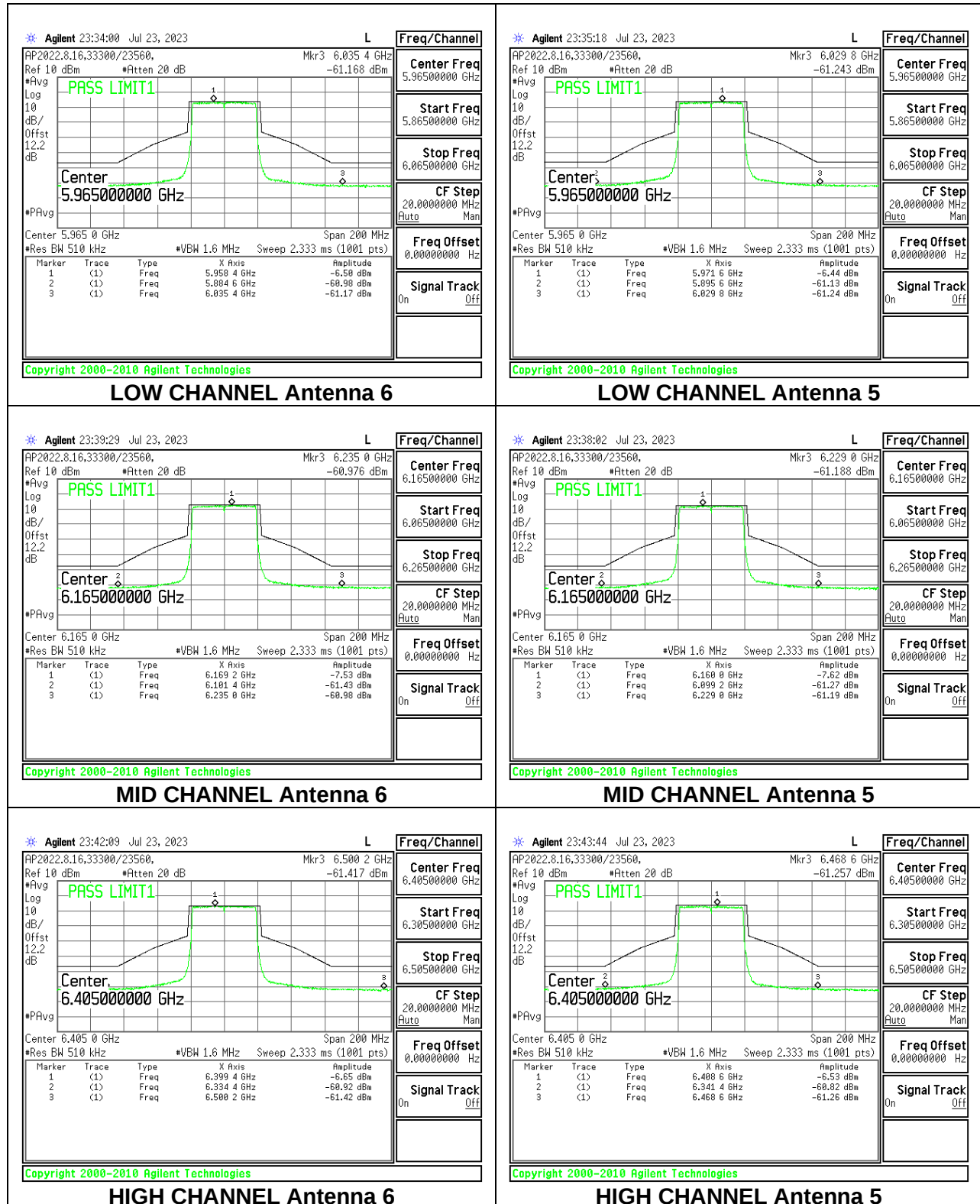
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8



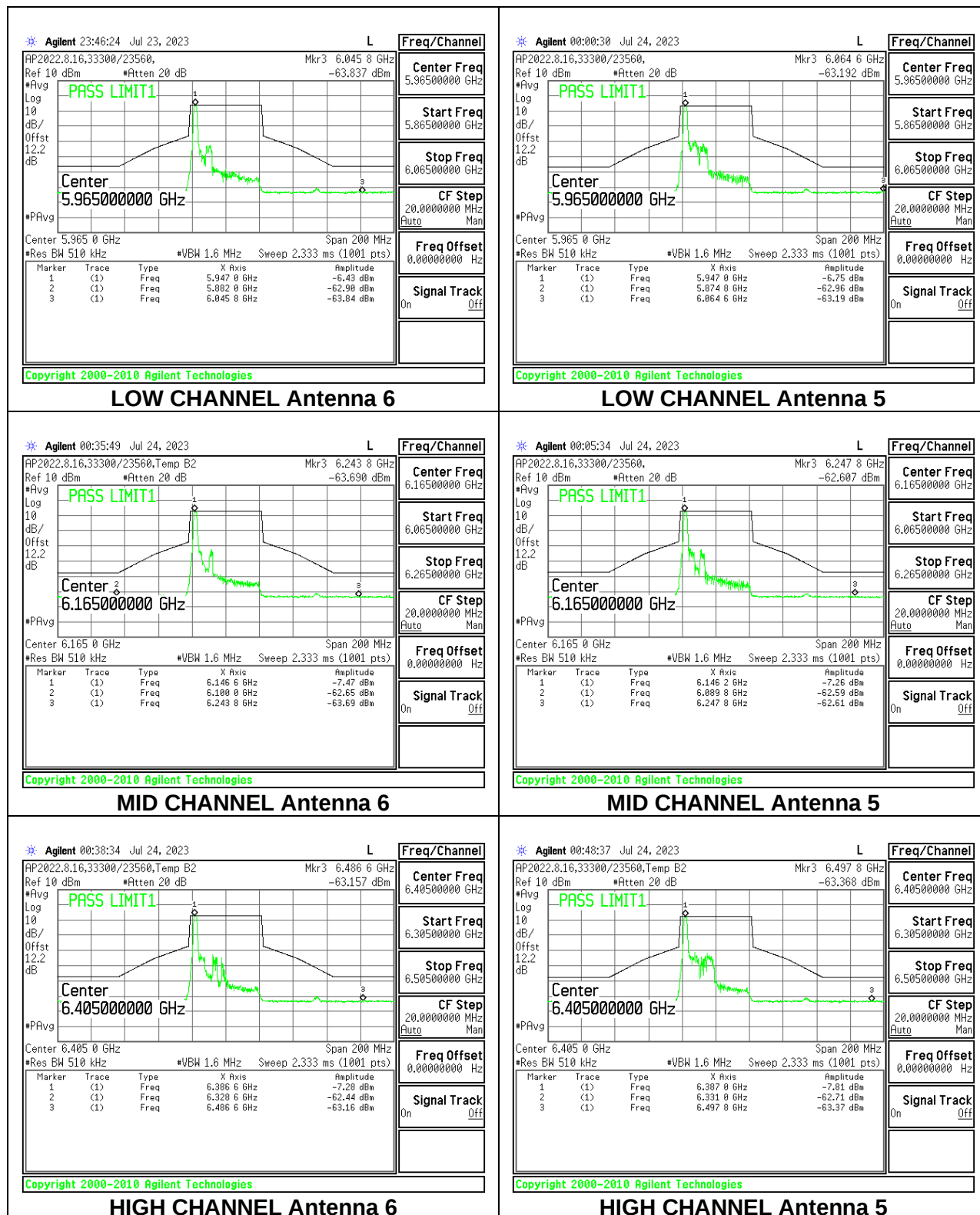
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 17



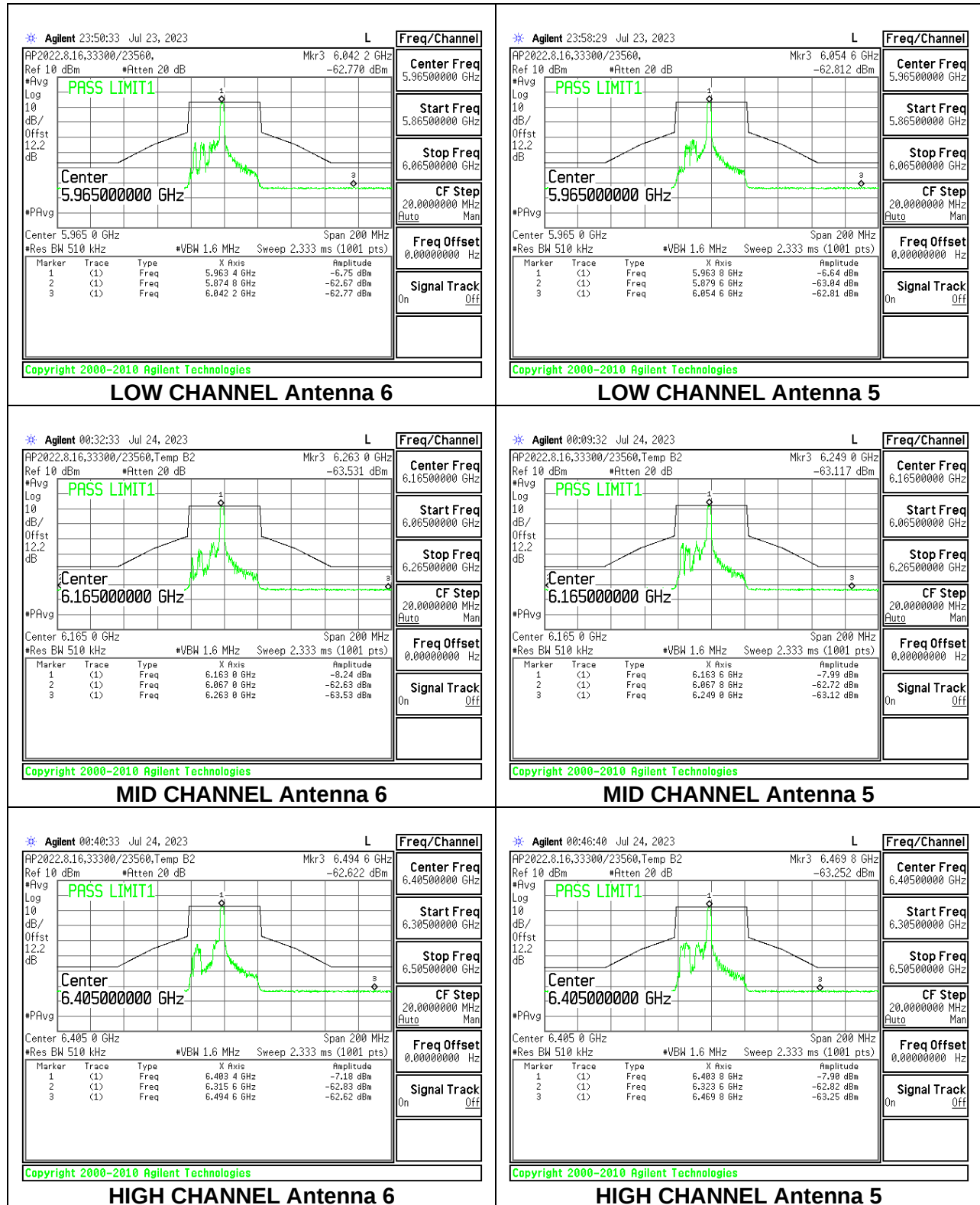
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User



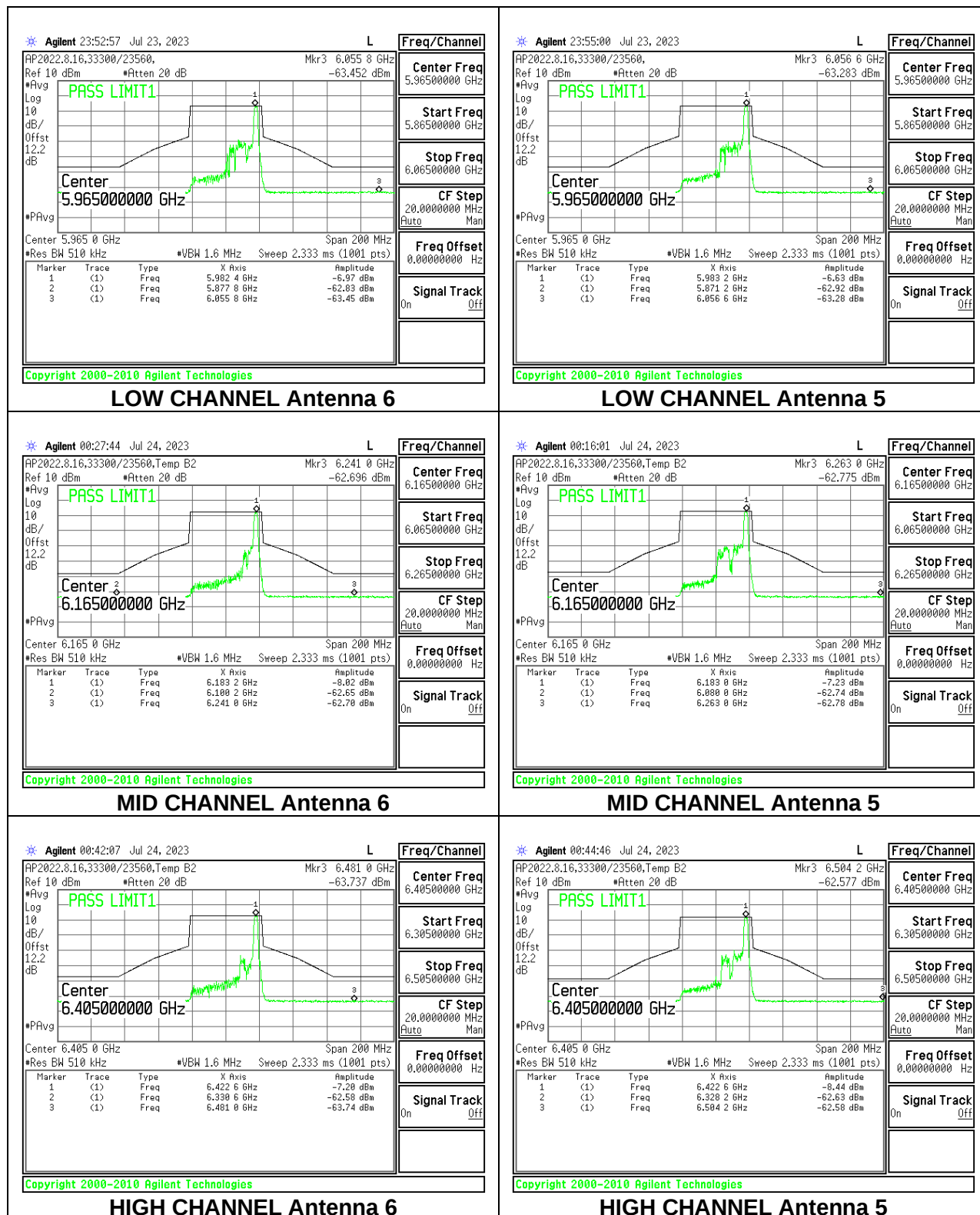
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

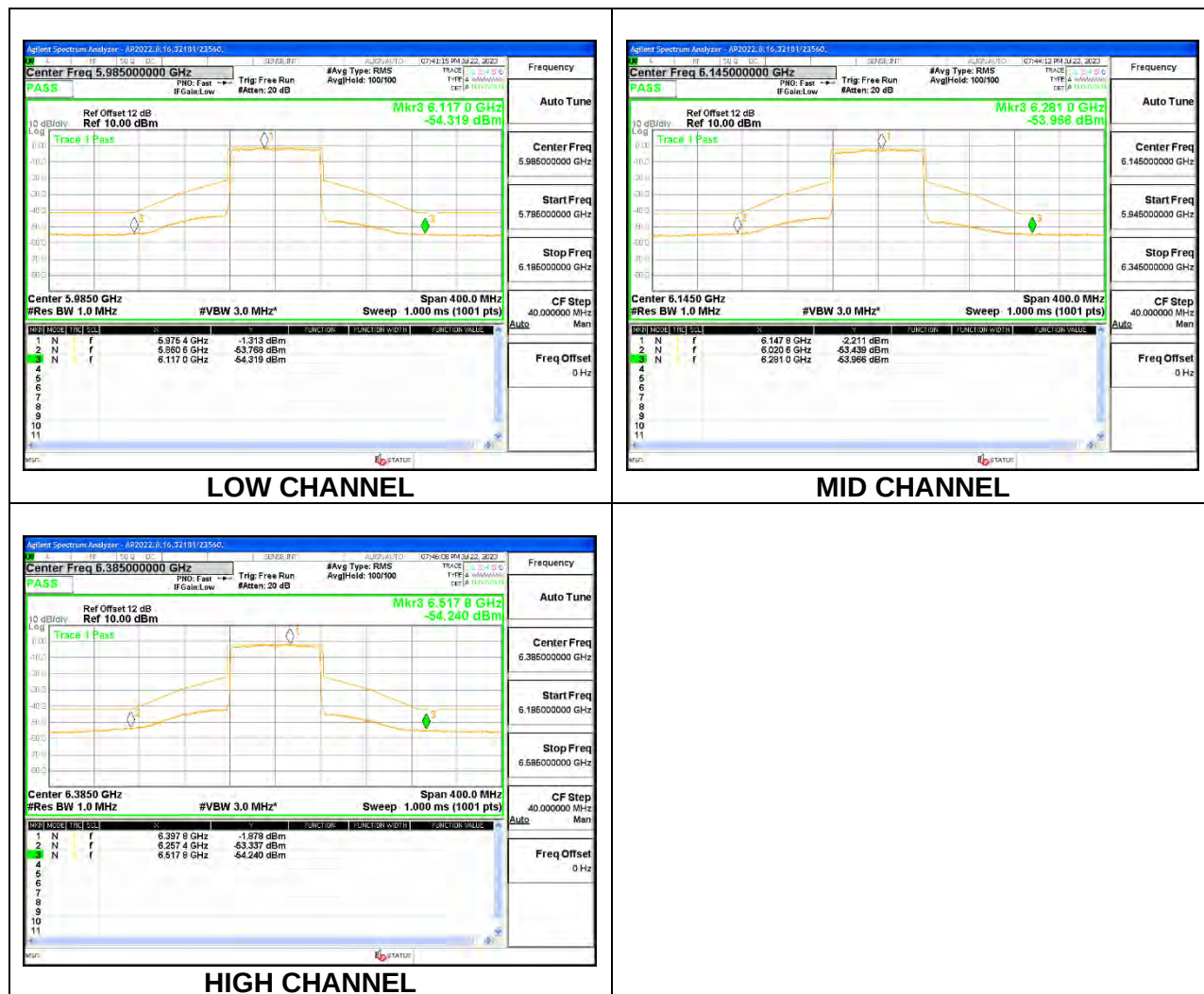


2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 17



9.5.3. 802.11ax HE80 MODE IN THE UNII-5 BAND

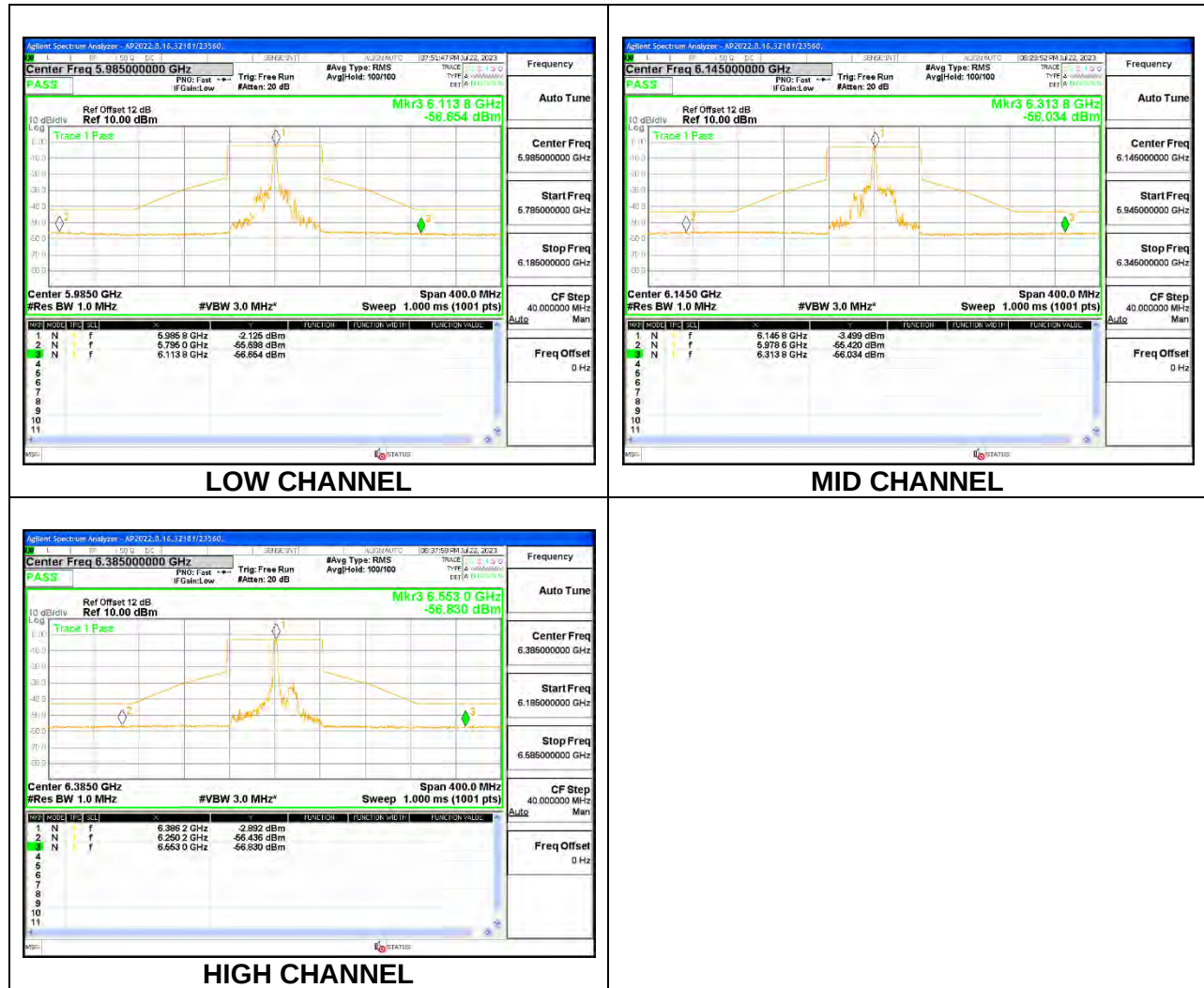
1TX Antenna 6 MODE: SU, Single User



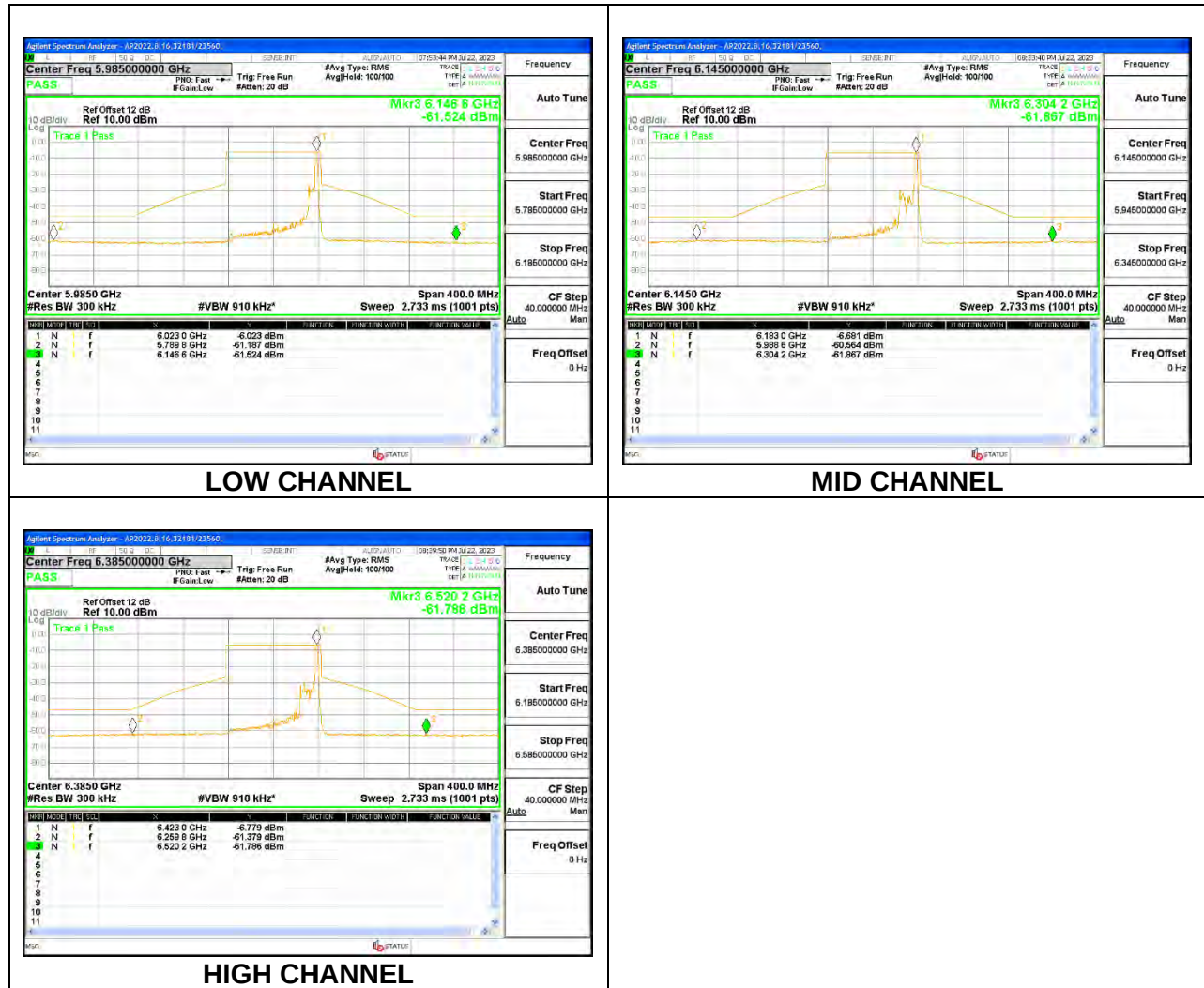
1TX Antenna 6 MODE: 26-Tone, RU Index 0



1TX Antenna 6 MODE: 26-Tone, RU Index 18



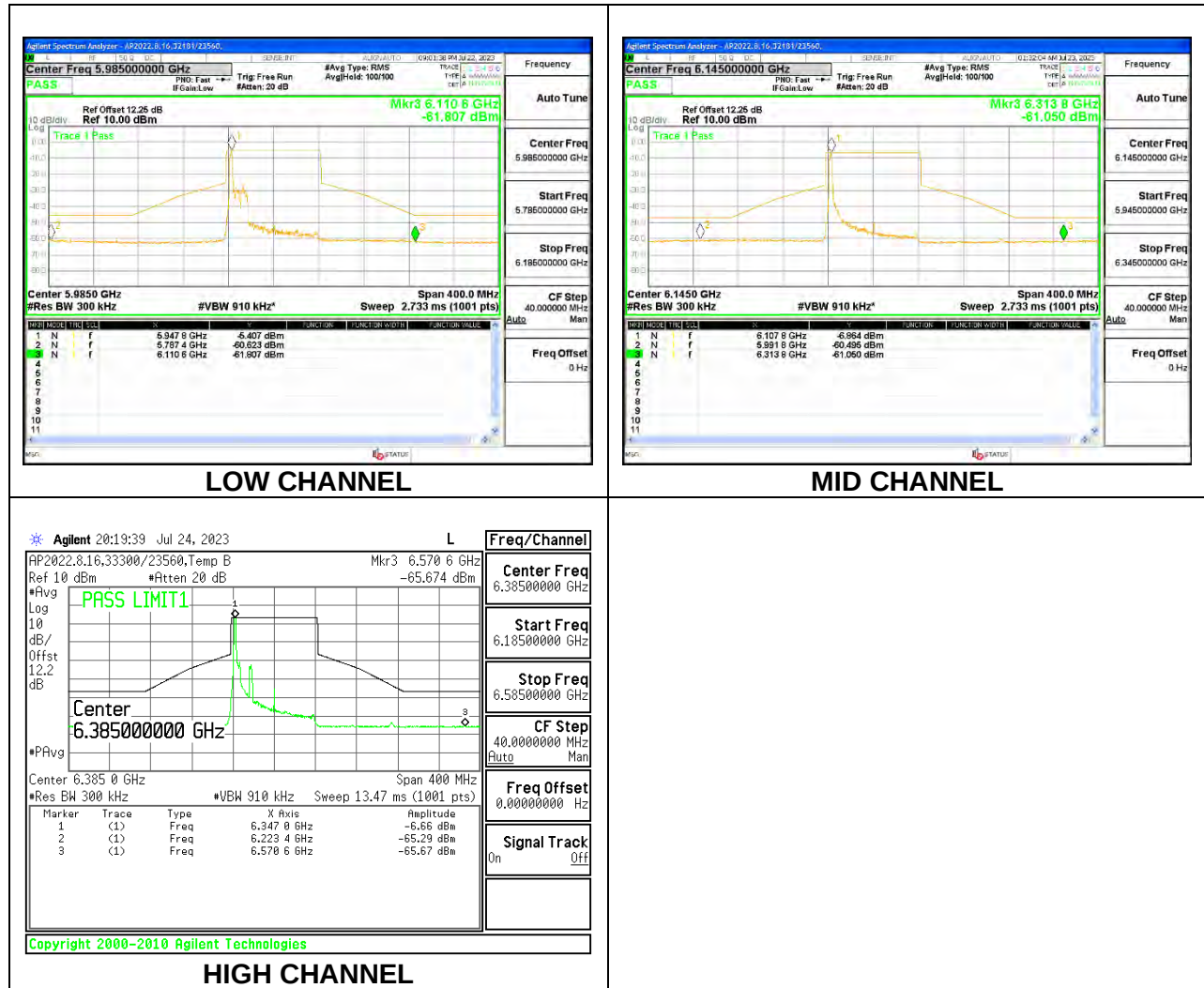
1TX Antenna 6 MODE: 26-Tone, RU Index 36



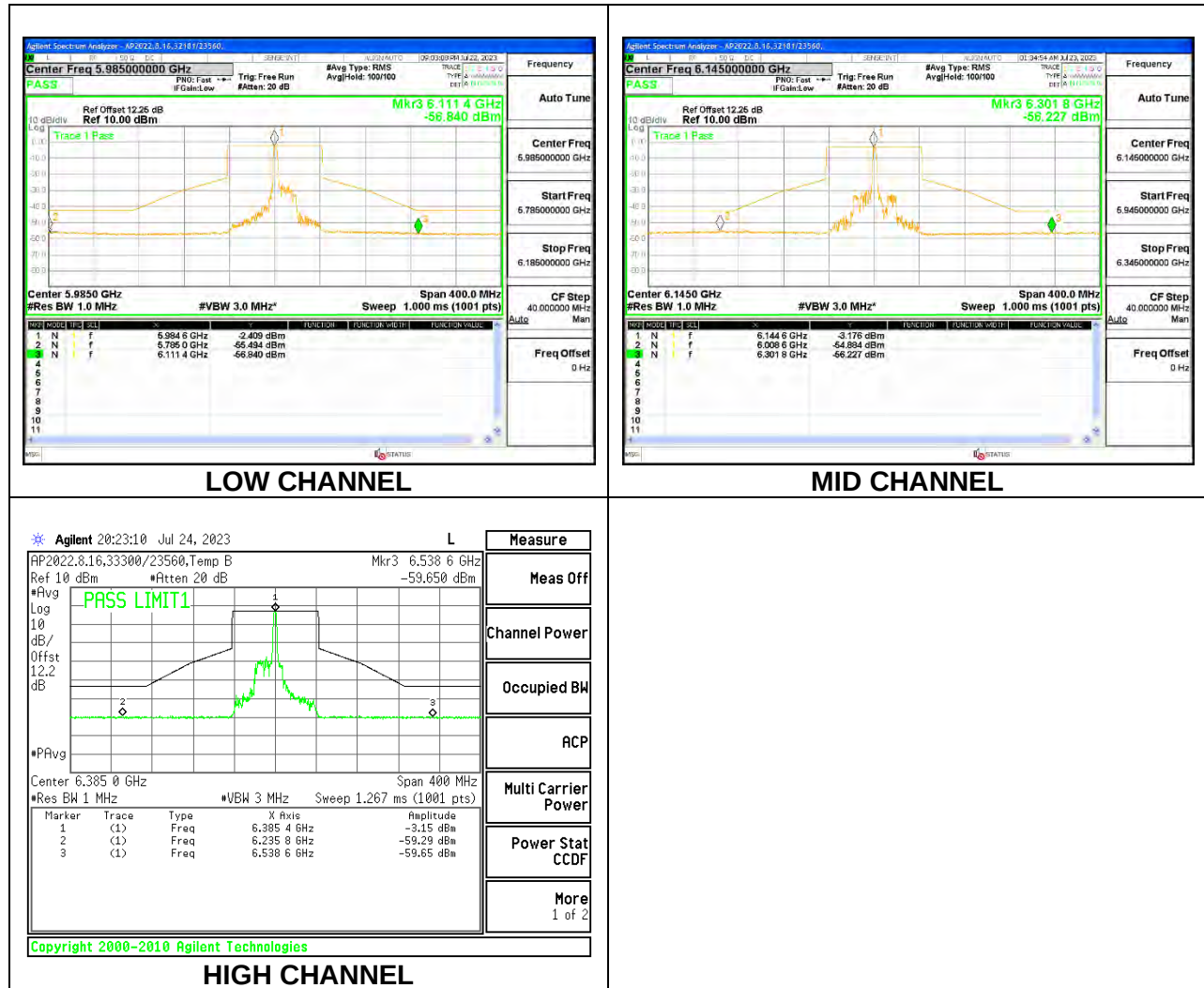
1TX Antenna 5 MODE: SU, Single User



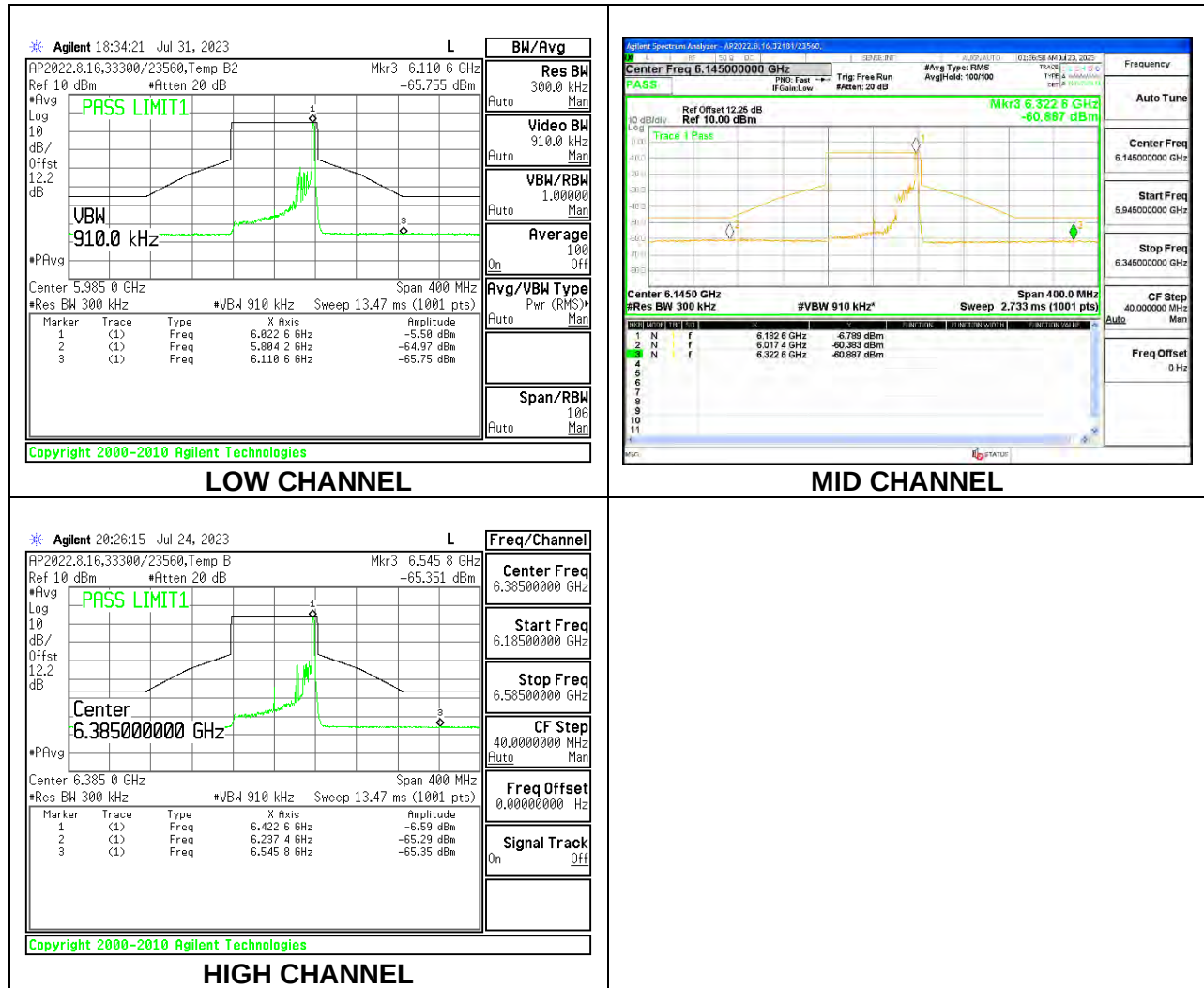
1TX Antenna 5 MODE: 26-Tone, RU Index 0



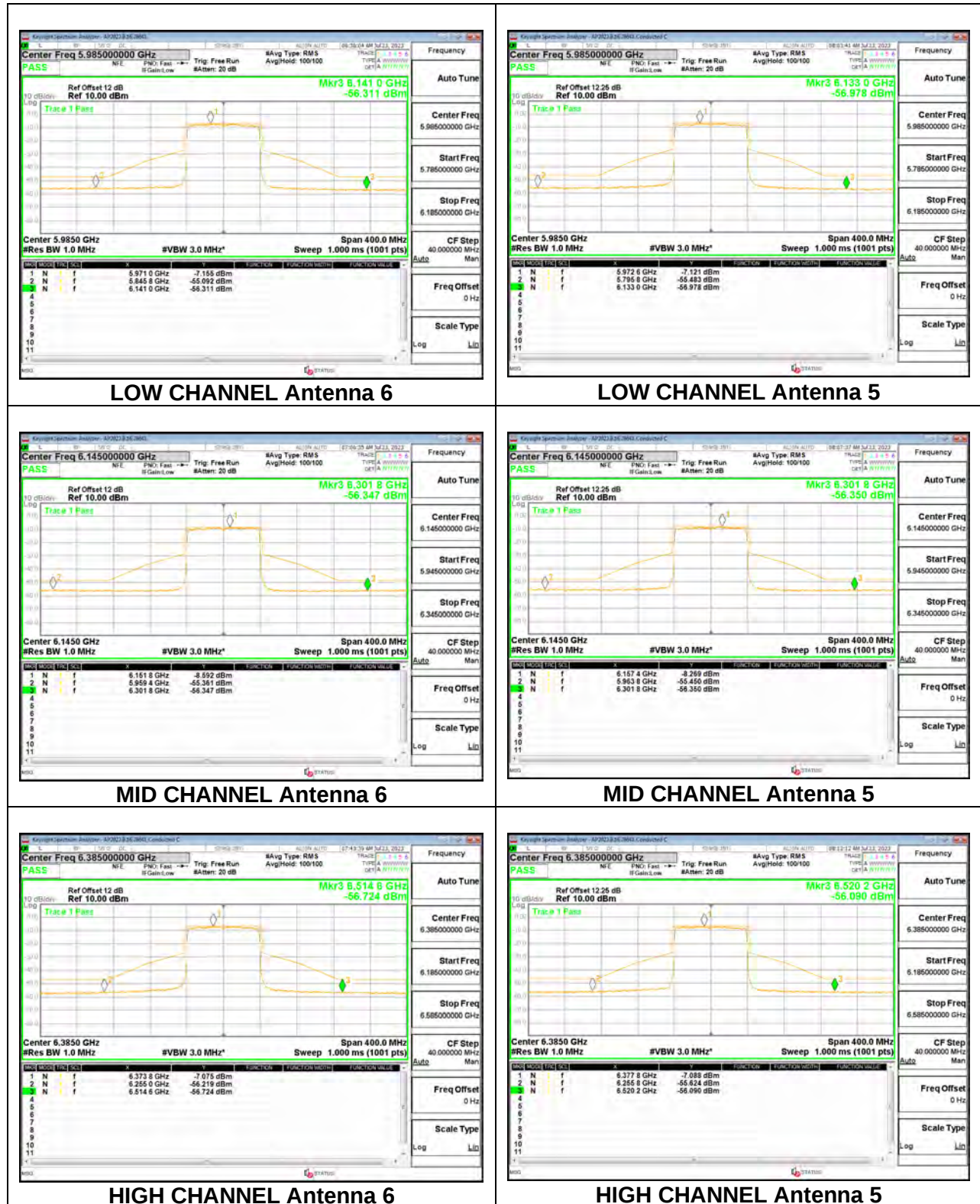
1TX Antenna 5 MODE: 26-Tone, RU Index 18



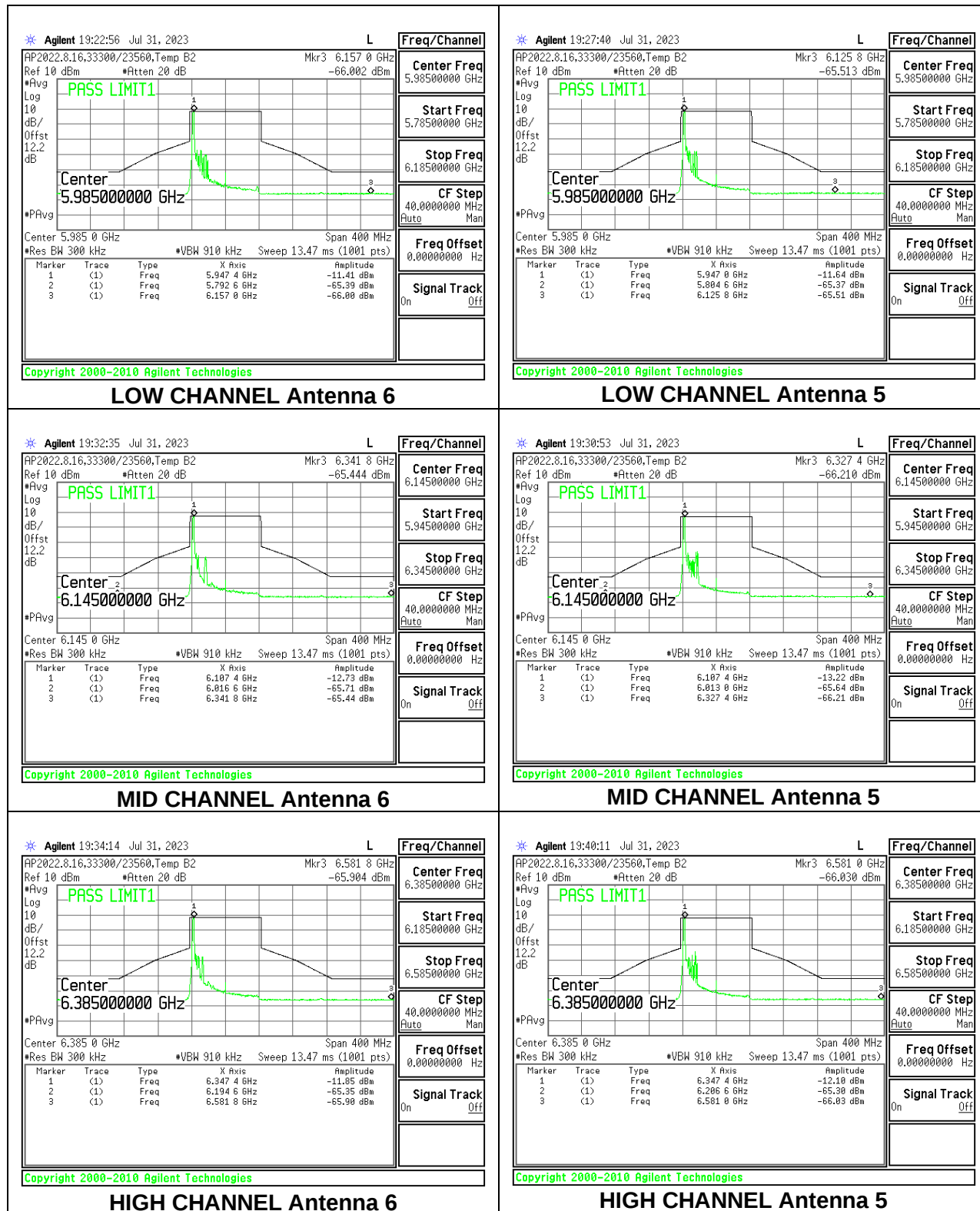
1TX Antenna 5 MODE: 26-Tone, RU Index 36



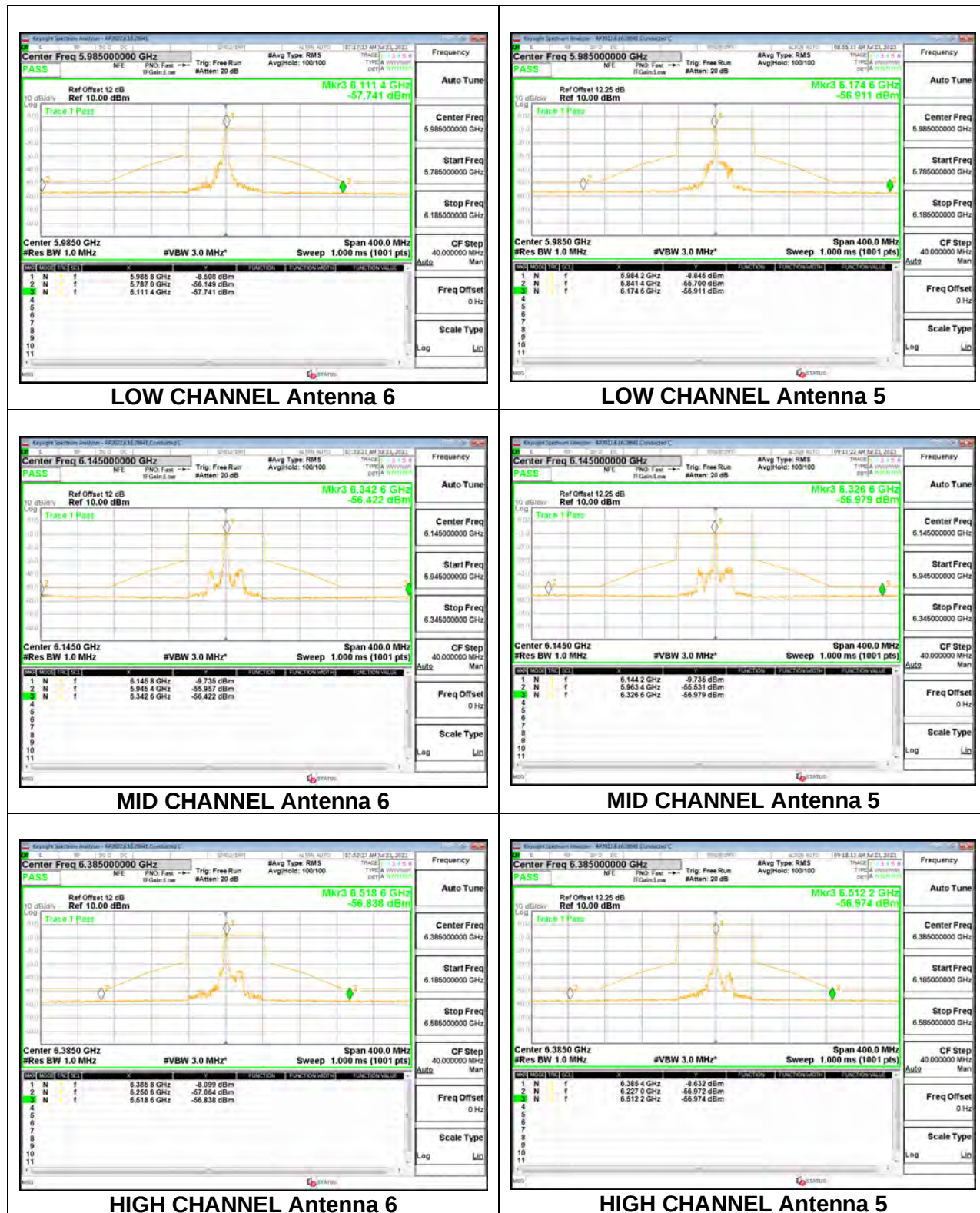
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User



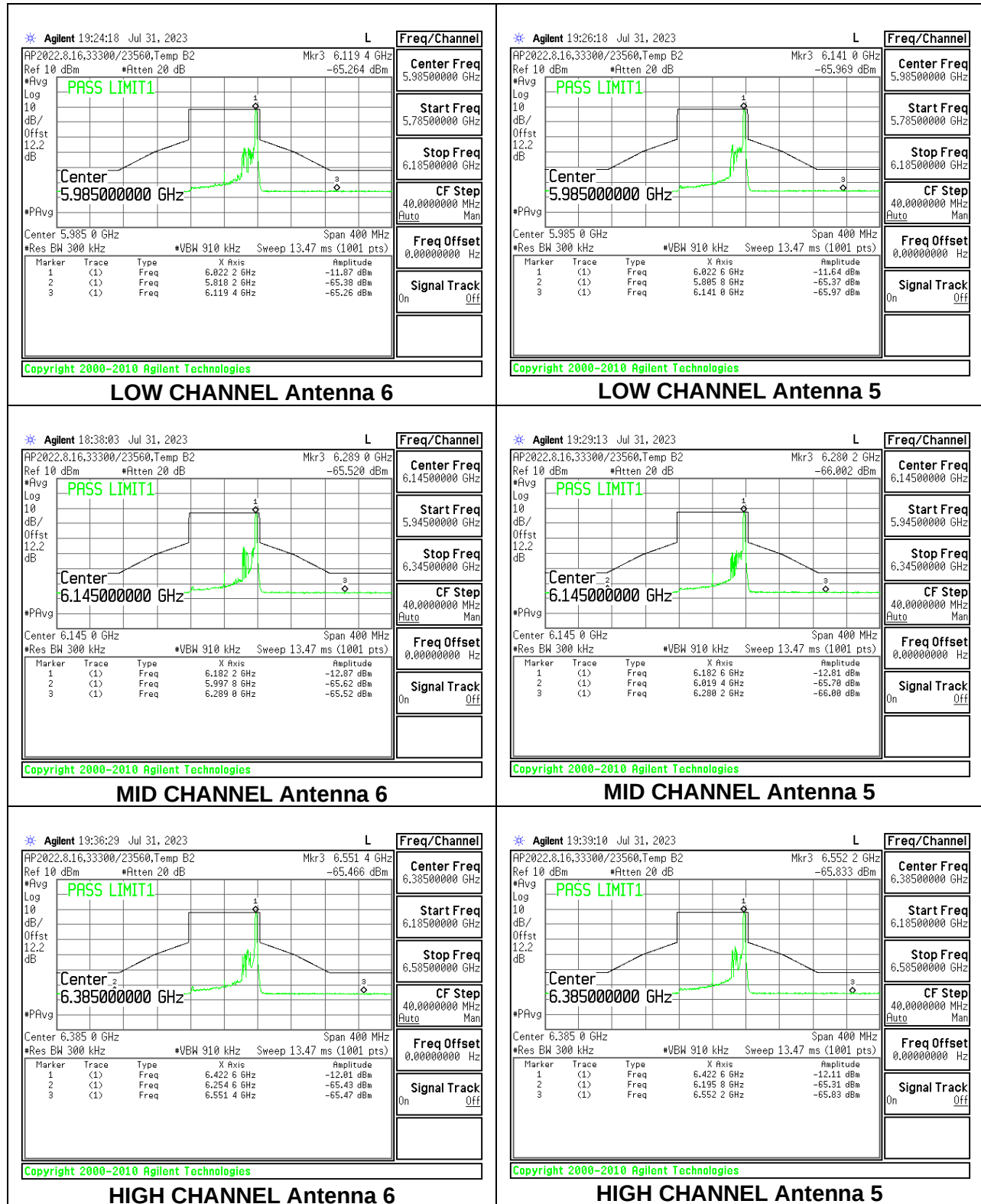
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0



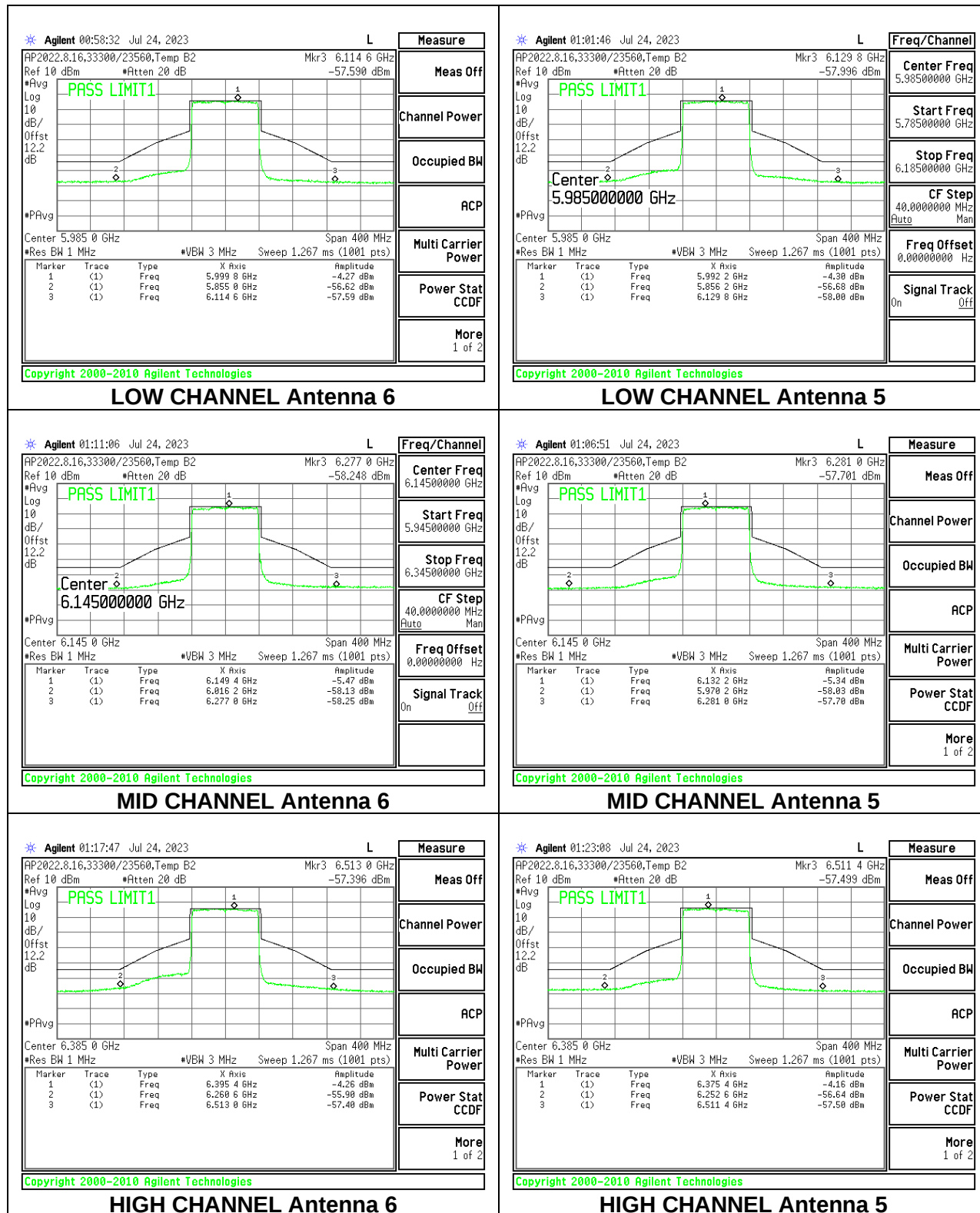
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 18



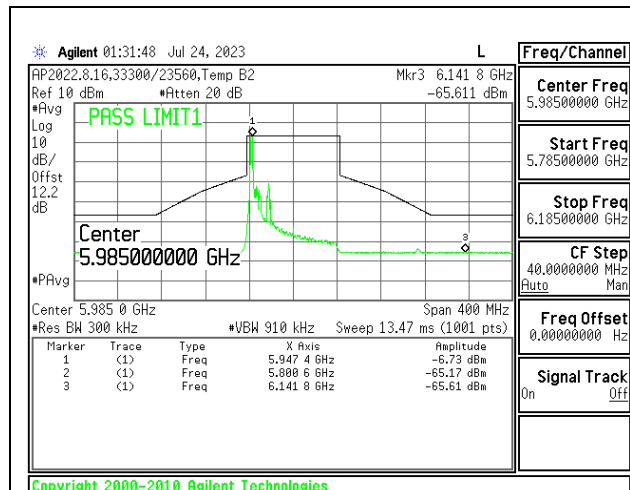
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36



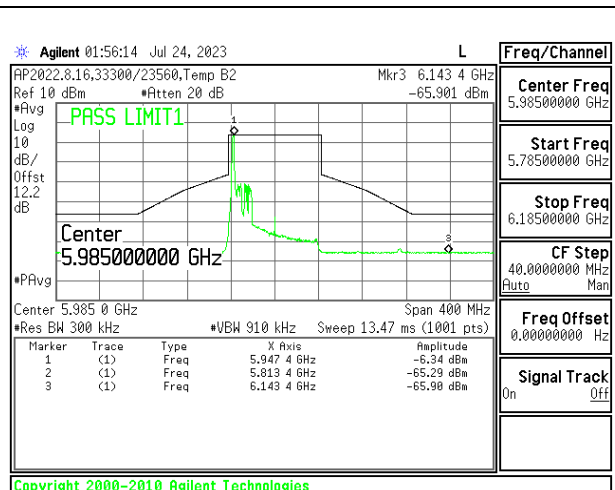
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0



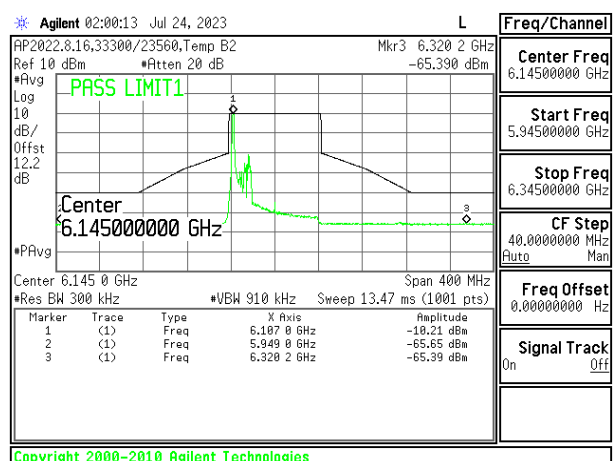
LOW CHANNEL Antenna 6



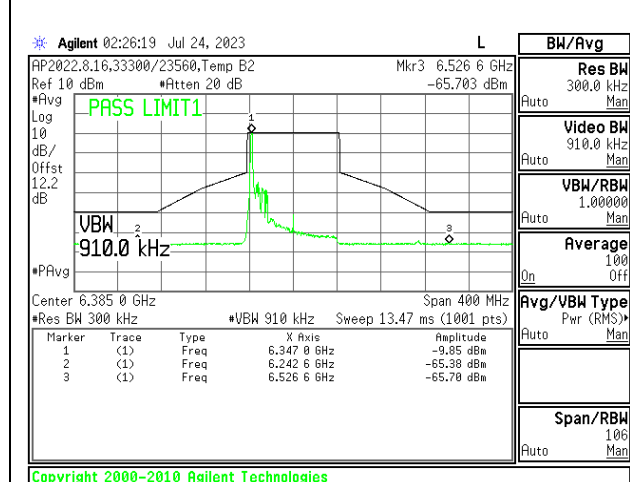
LOW CHANNEL Antenna 5



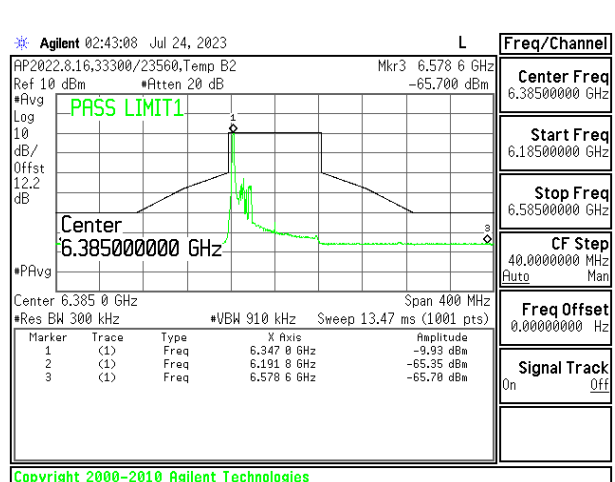
MID CHANNEL Antenna 6



MID CHANNEL Antenna 5

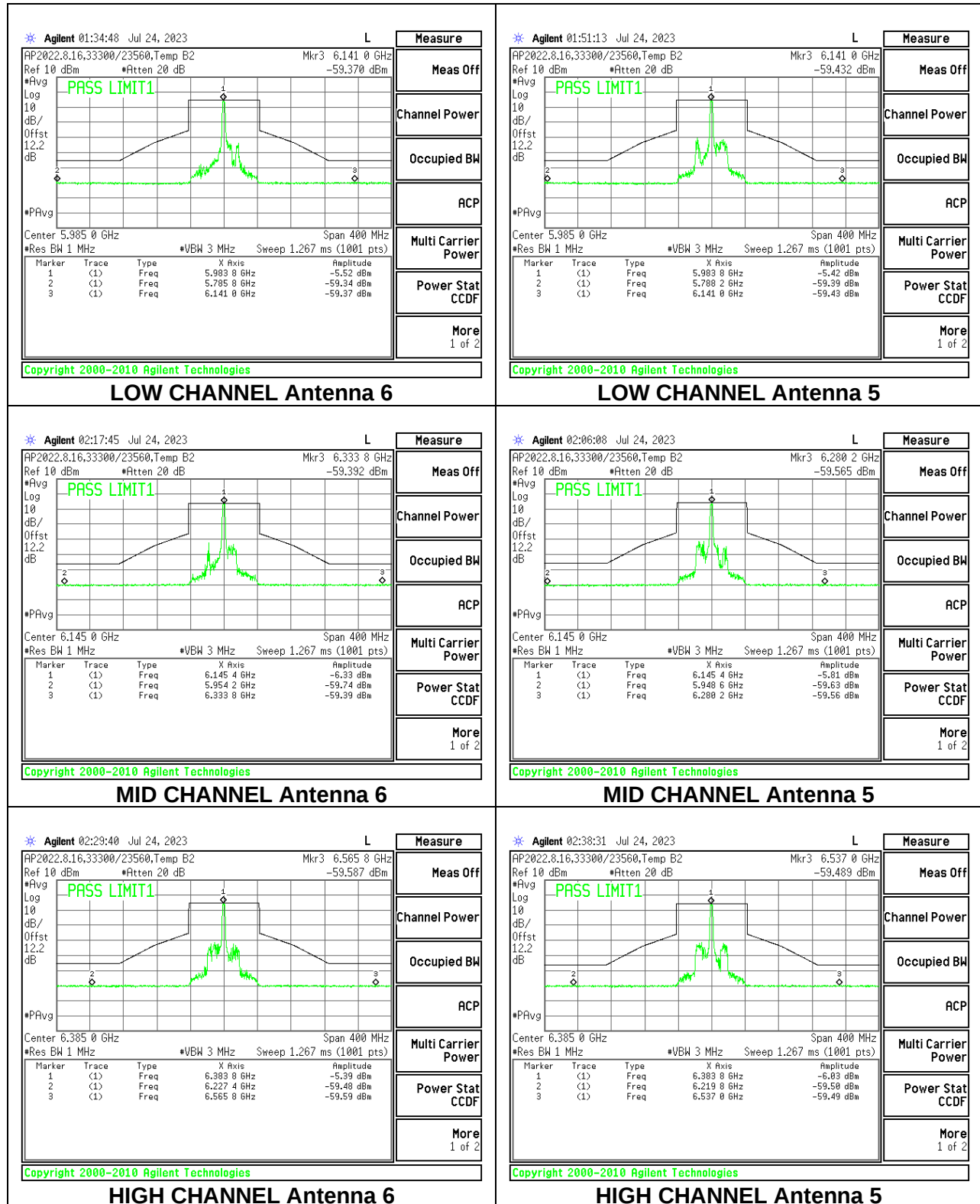


HIGH CHANNEL Antenna 6

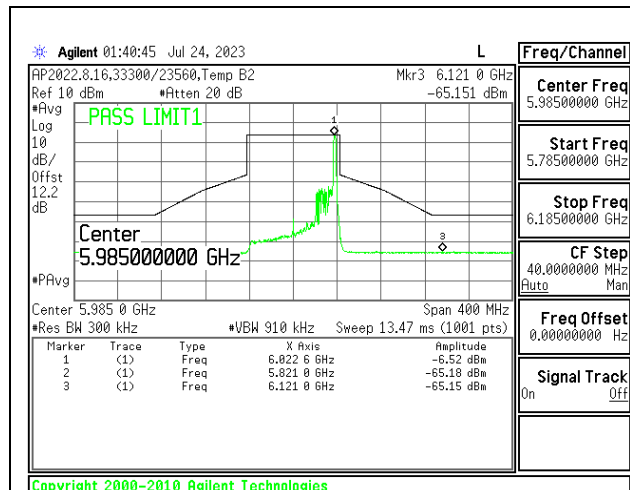


HIGH CHANNEL Antenna 5

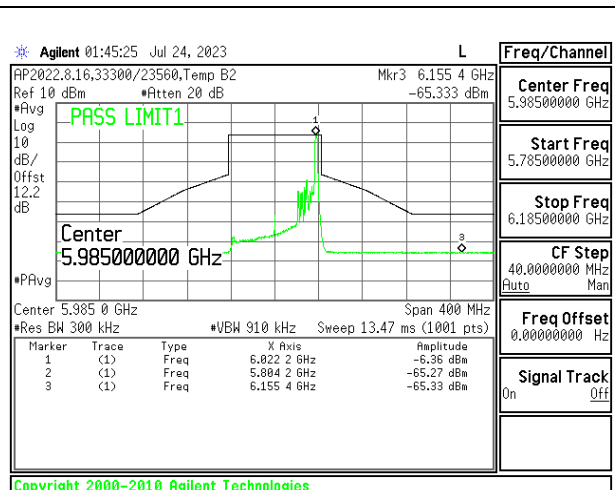
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 18



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36



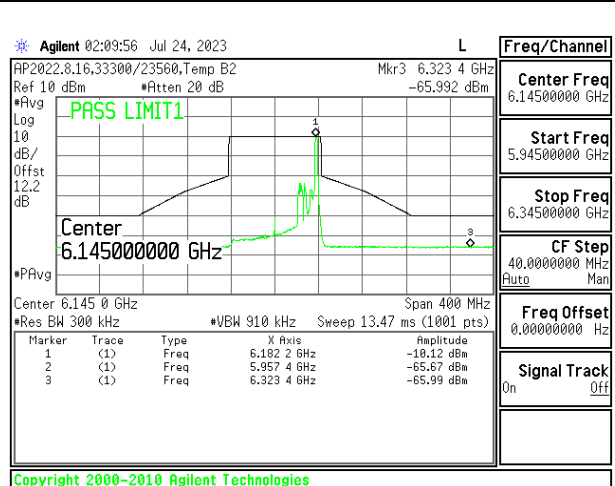
LOW CHANNEL Antenna 6



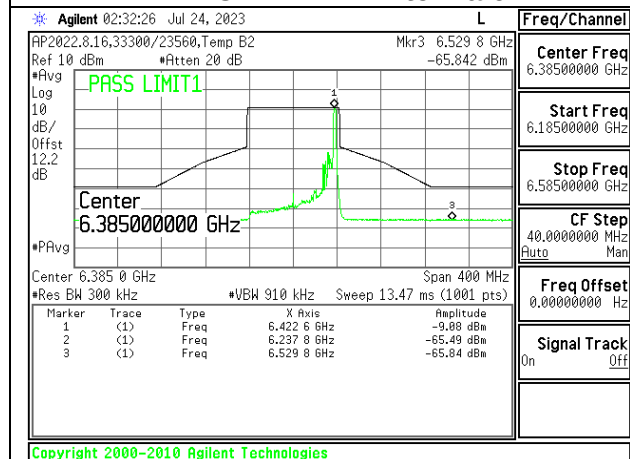
LOW CHANNEL Antenna 5



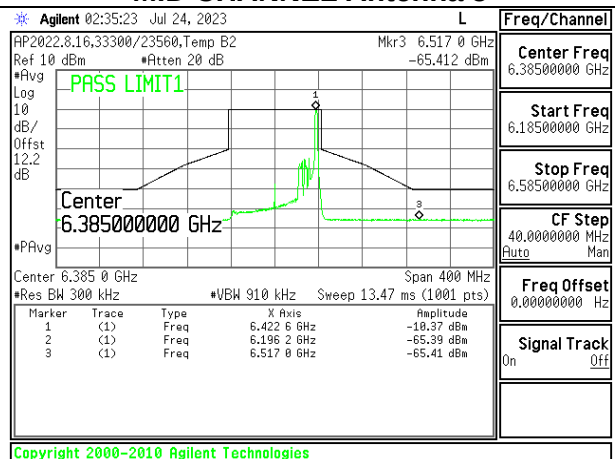
MID CHANNEL Antenna 6



MID CHANNEL Antenna 5



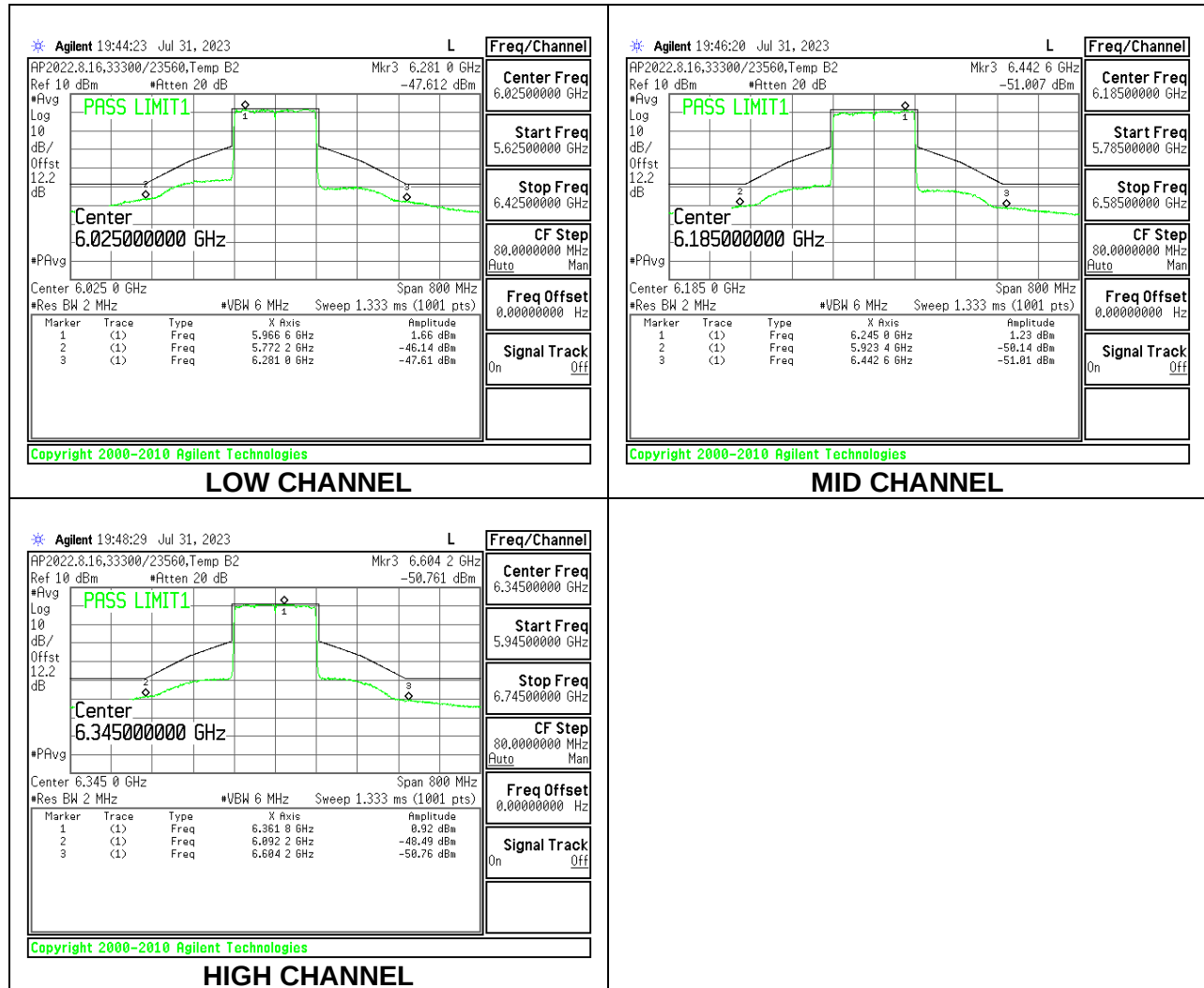
HIGH CHANNEL Antenna 6



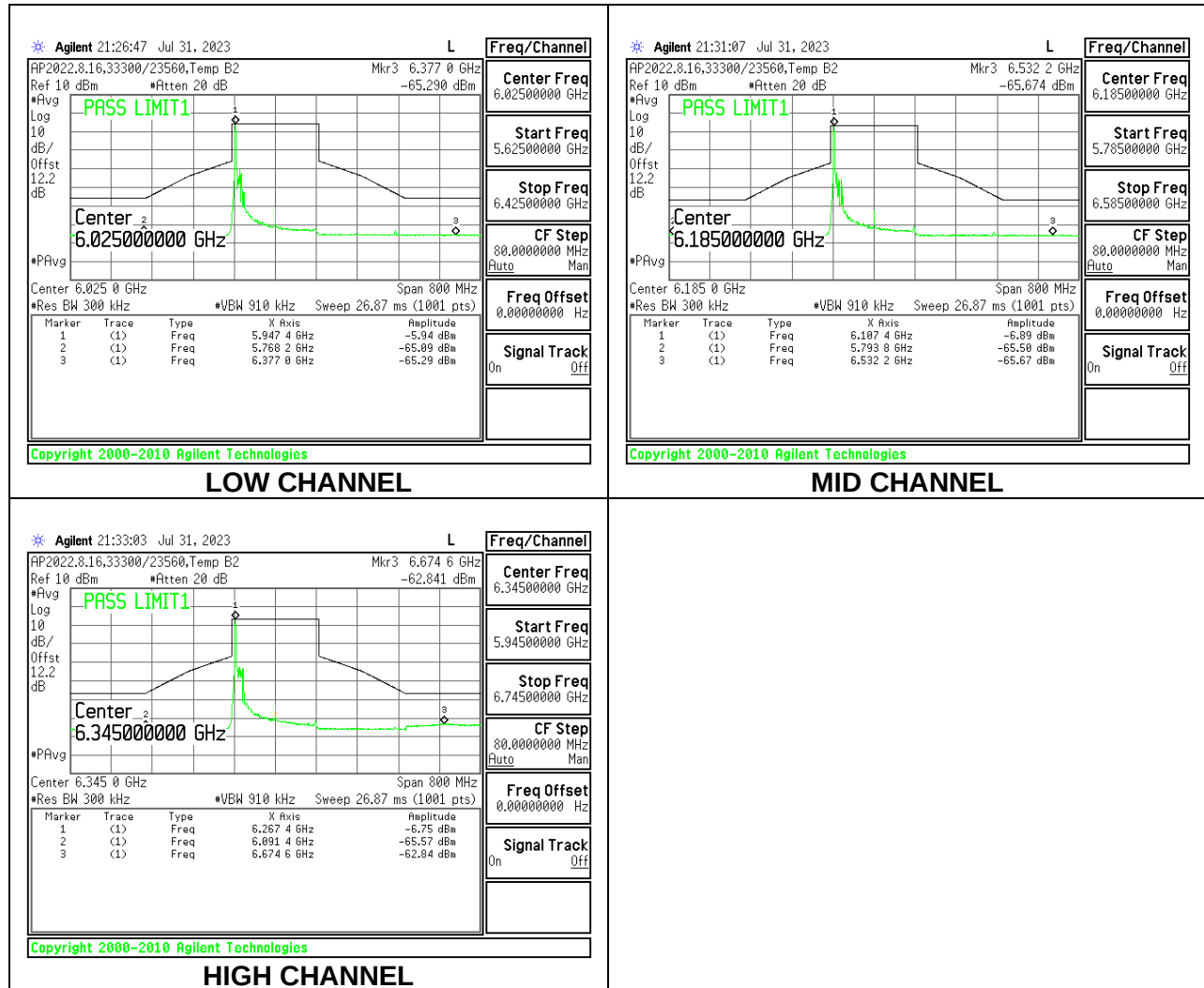
HIGH CHANNEL Antenna 5

9.5.4. 802.11ax HE160 MODE IN THE UNII-5 BAND

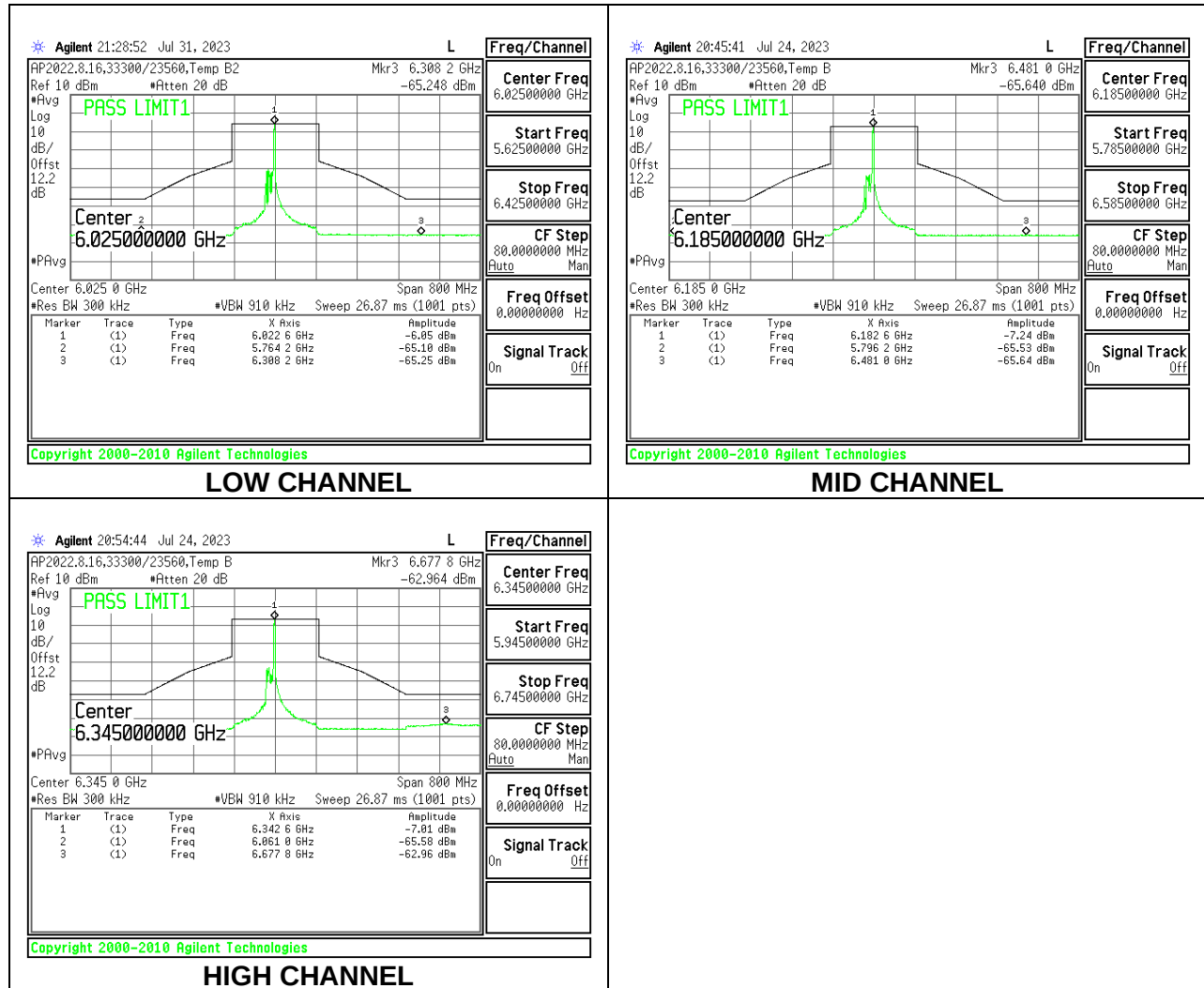
1TX Antenna 6 MODE: SU, Single User



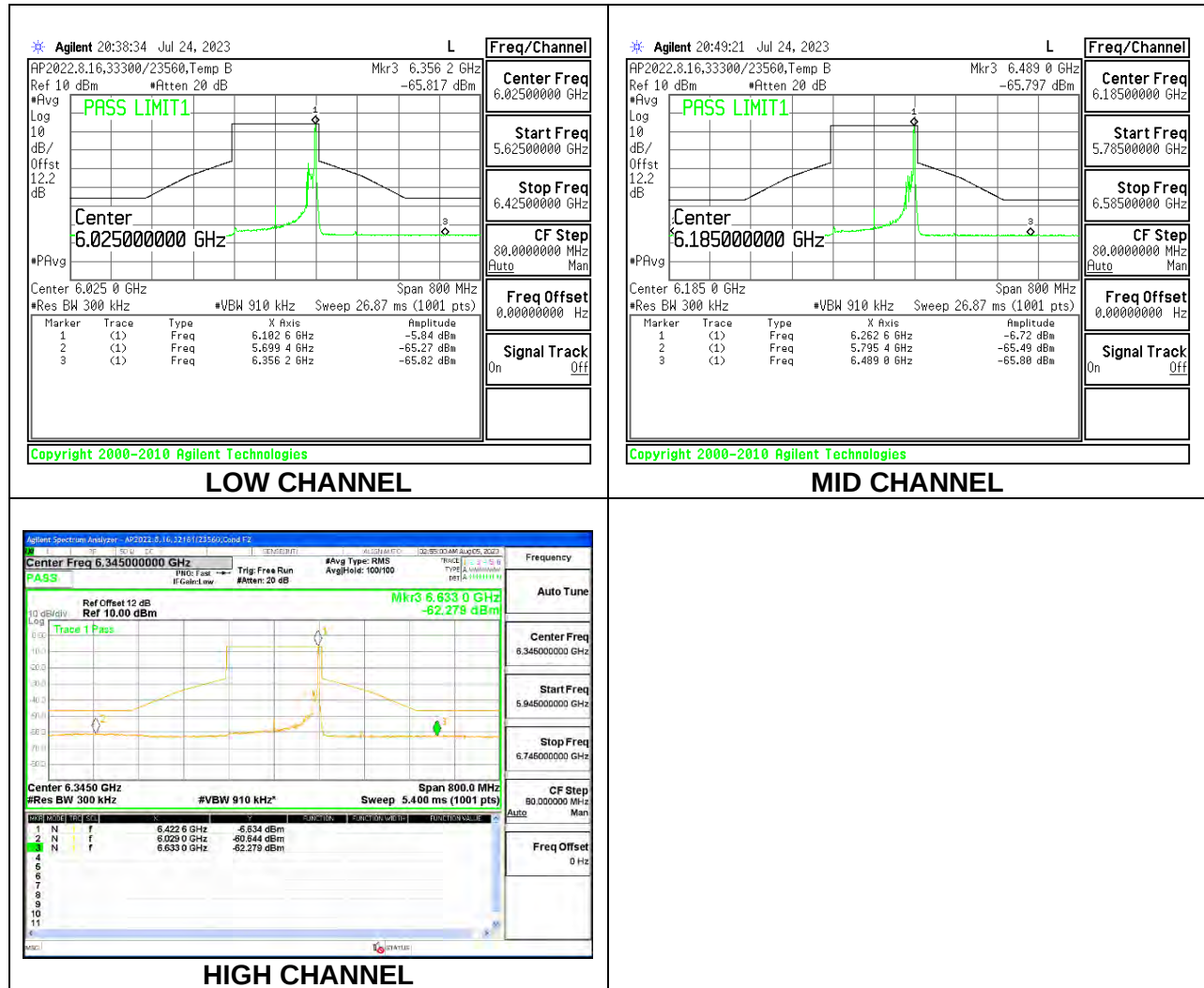
1TX Antenna 6 MODE: 26-Tone, RU Index 0



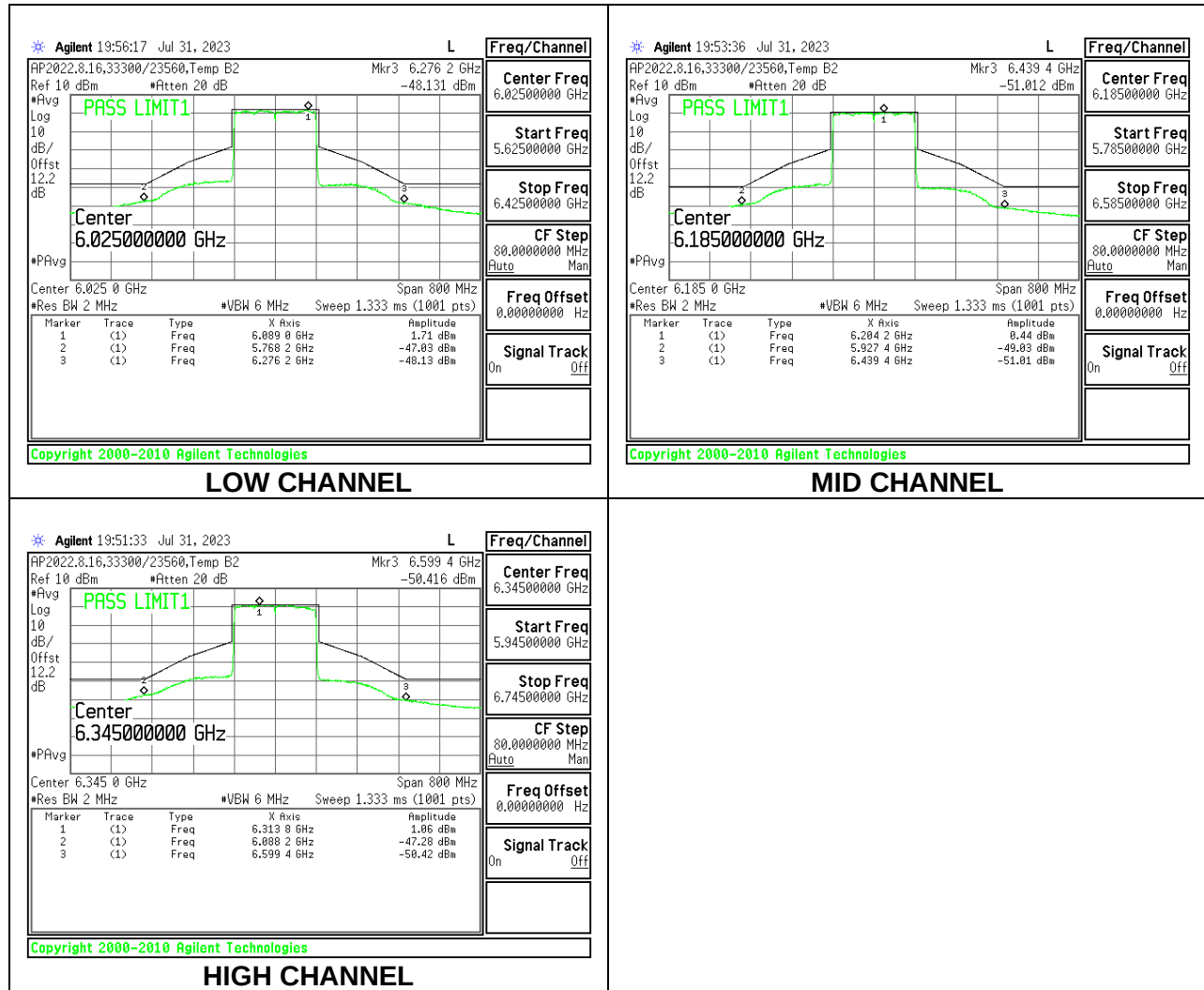
1TX Antenna 6 MODE: 26-Tone, RU Index 36



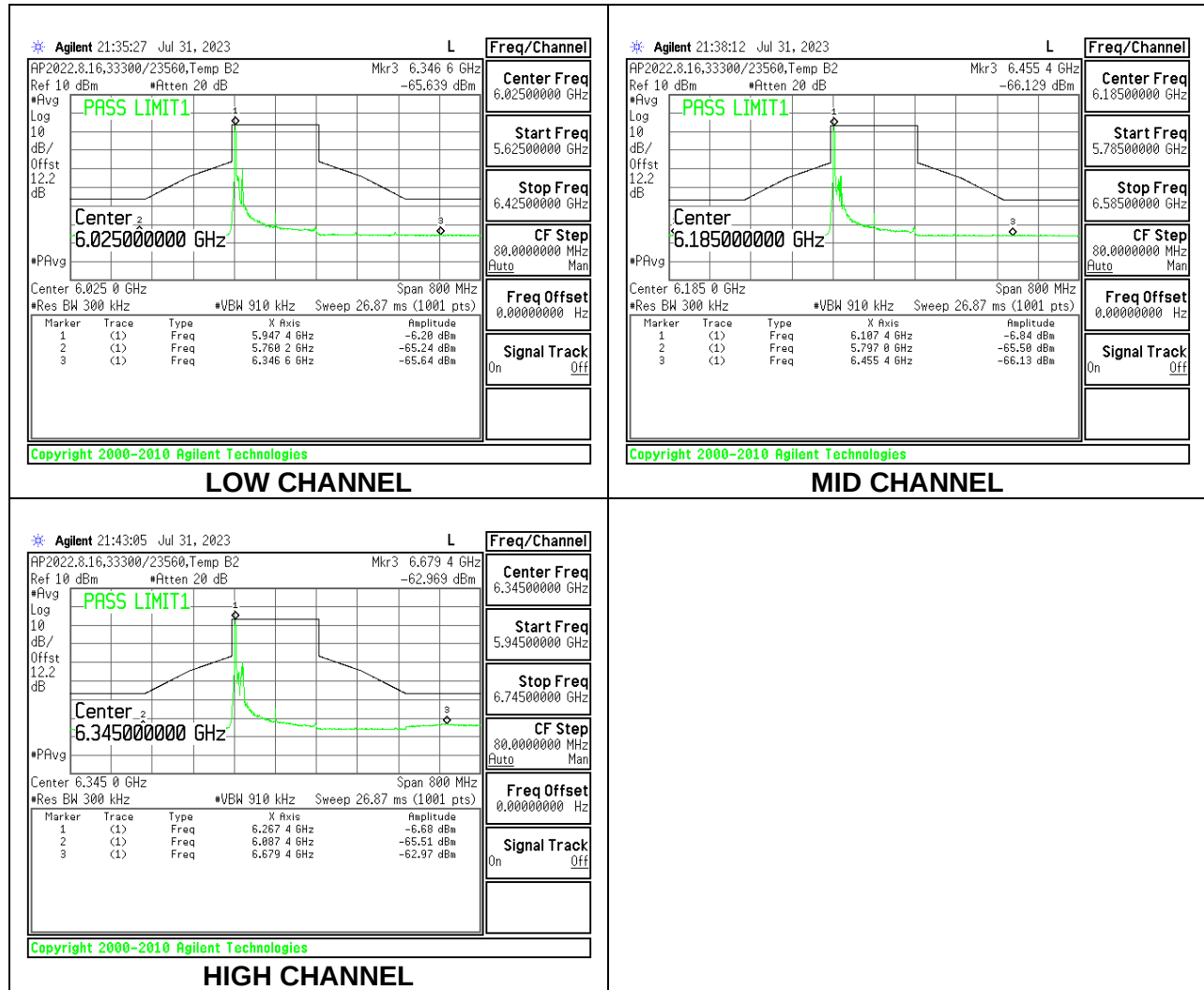
1TX Antenna 6 MODE: 26-Tone, RU Index S36



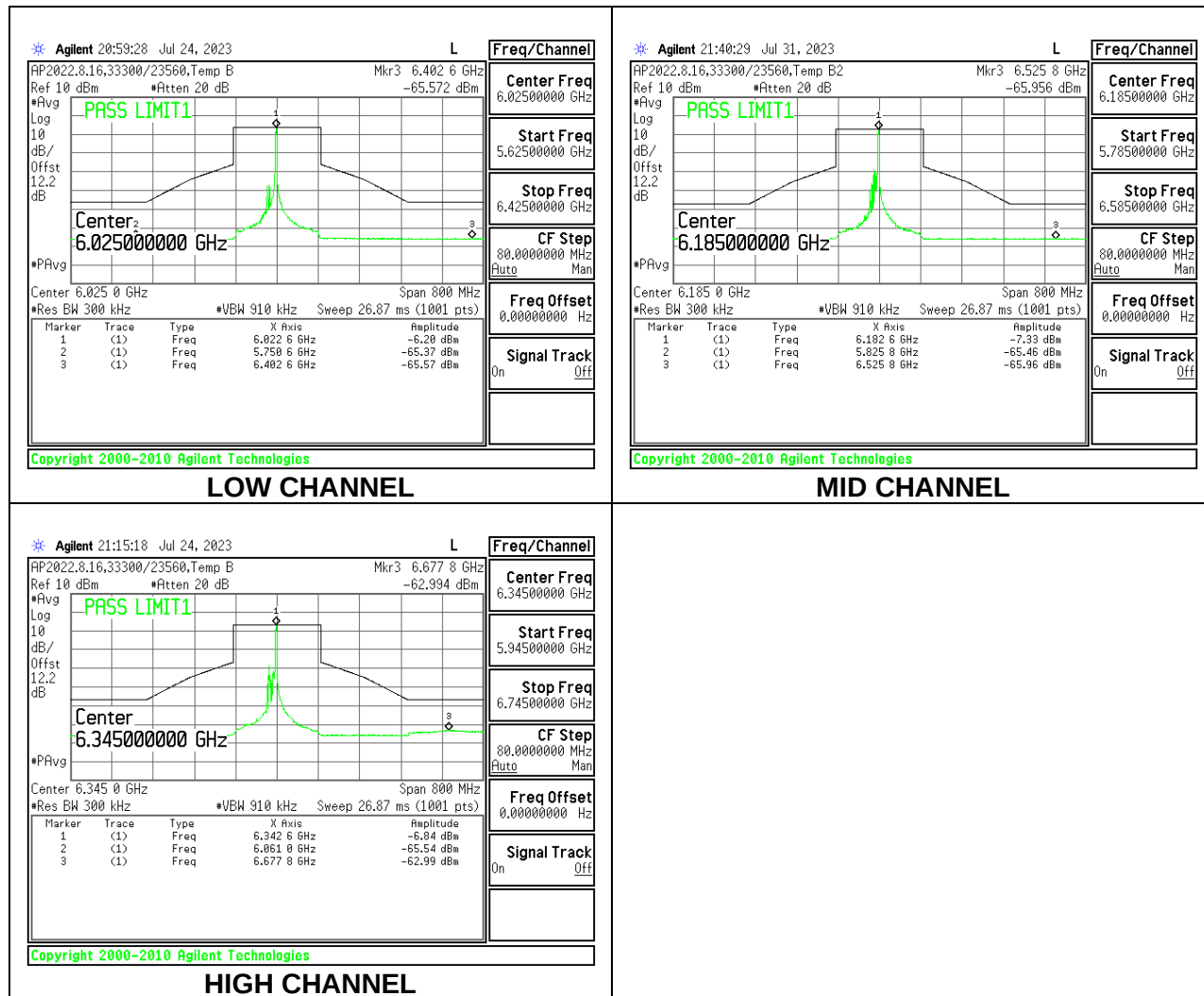
1TX Antenna 5 MODE: SU, Single User



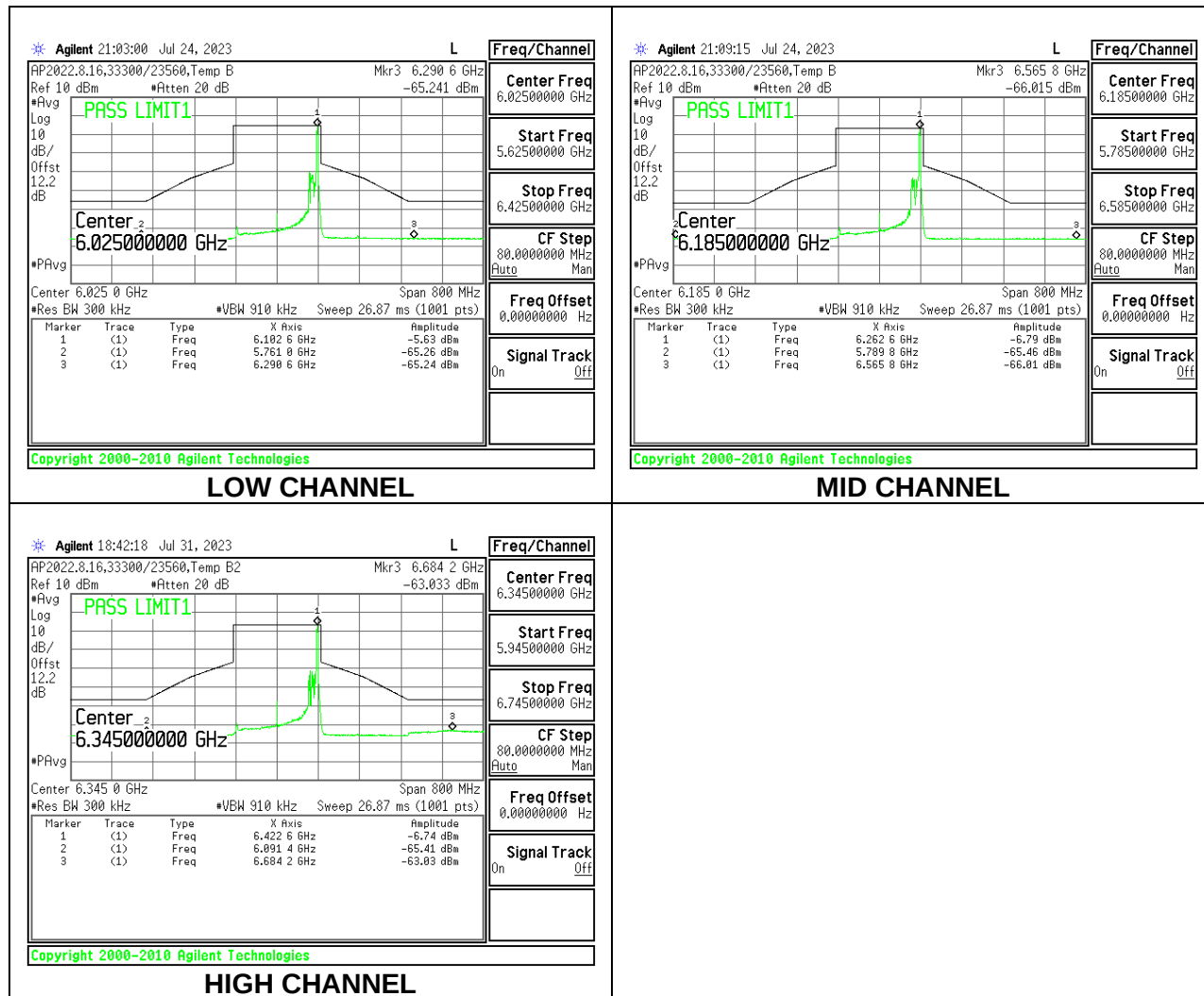
1TX Antenna 5 MODE: 26-Tone, RU Index 0



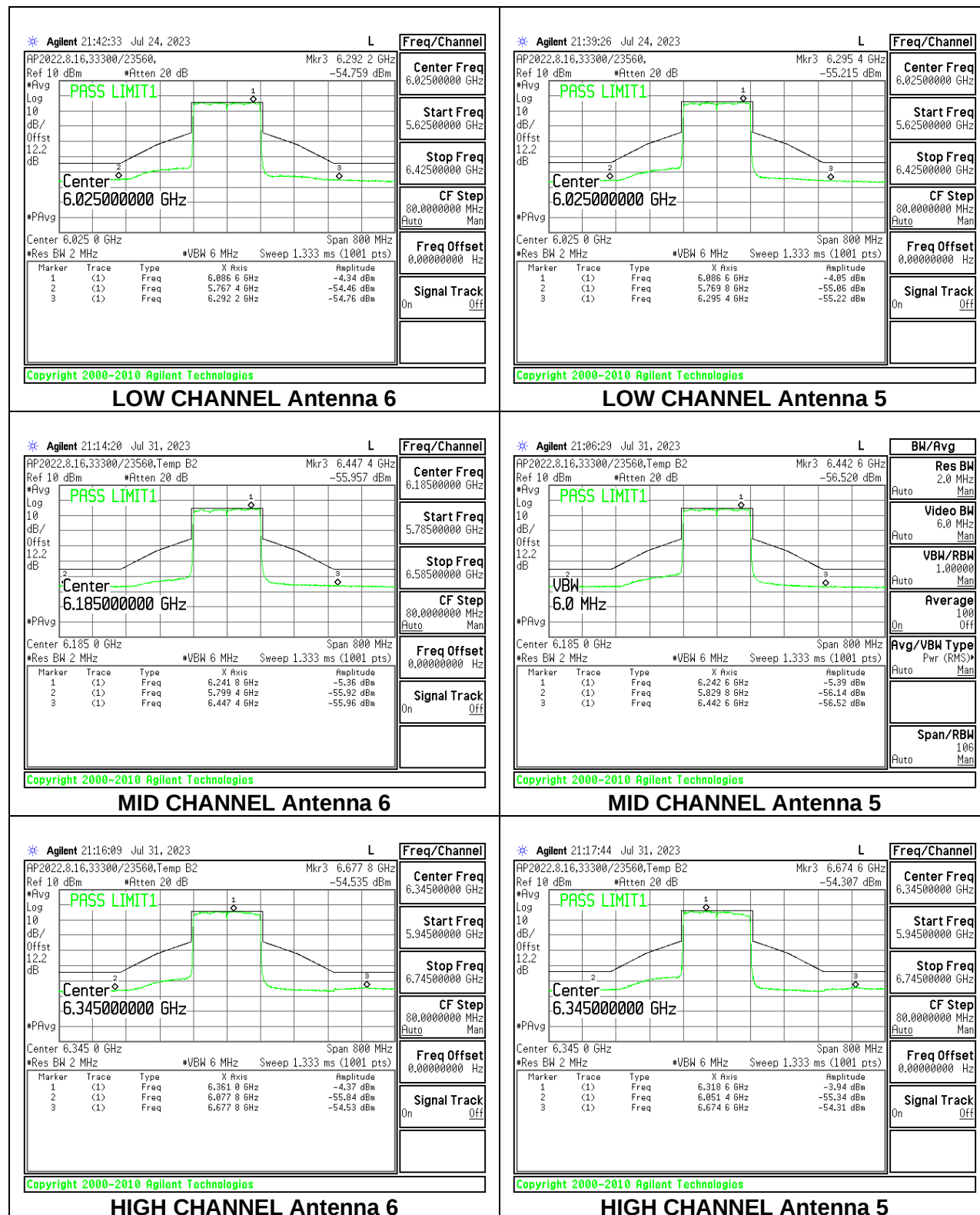
1TX Antenna 5 MODE: 26-Tone, RU Index 36



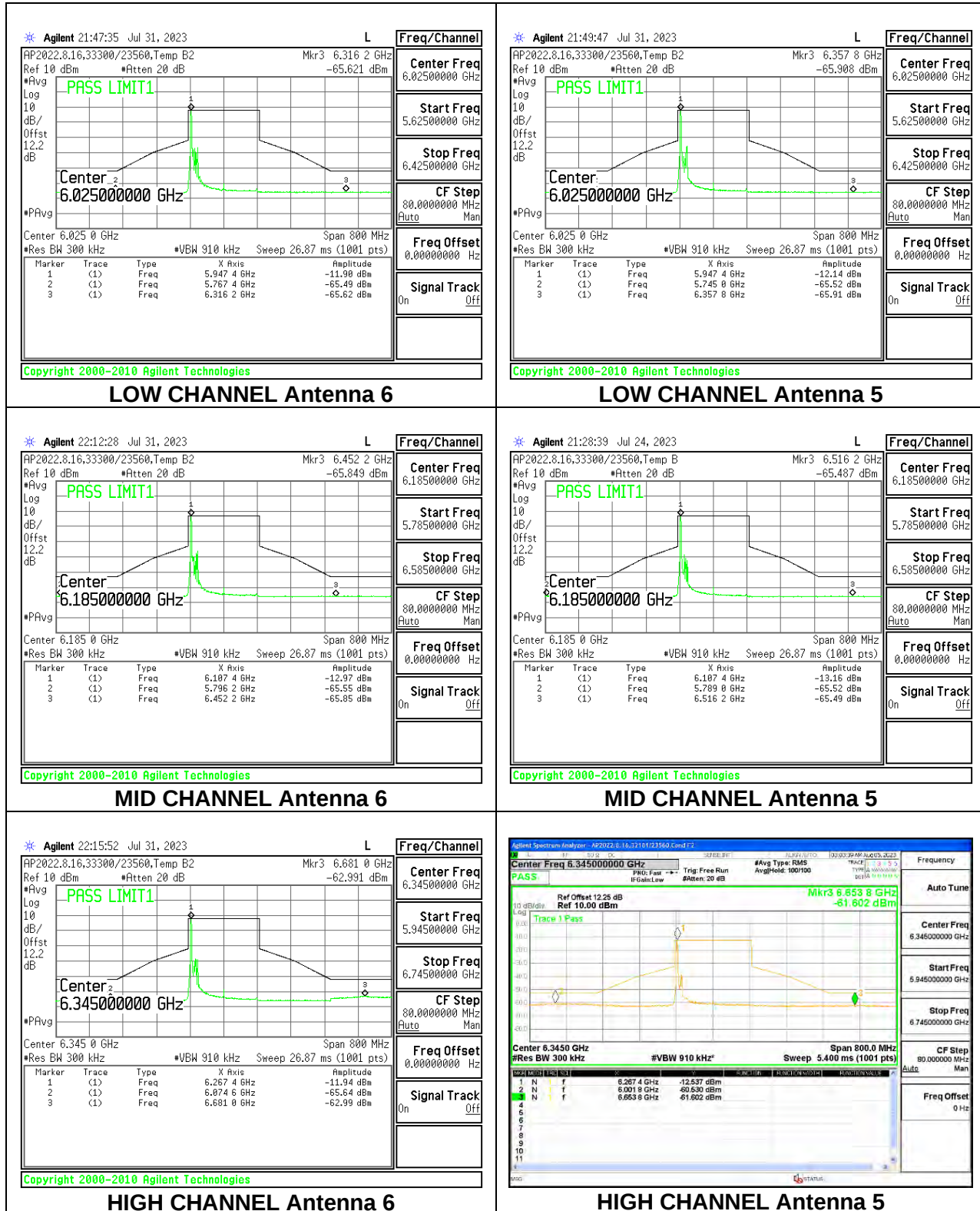
1TX Antenna 5 MODE: 26-Tone, RU Index S36



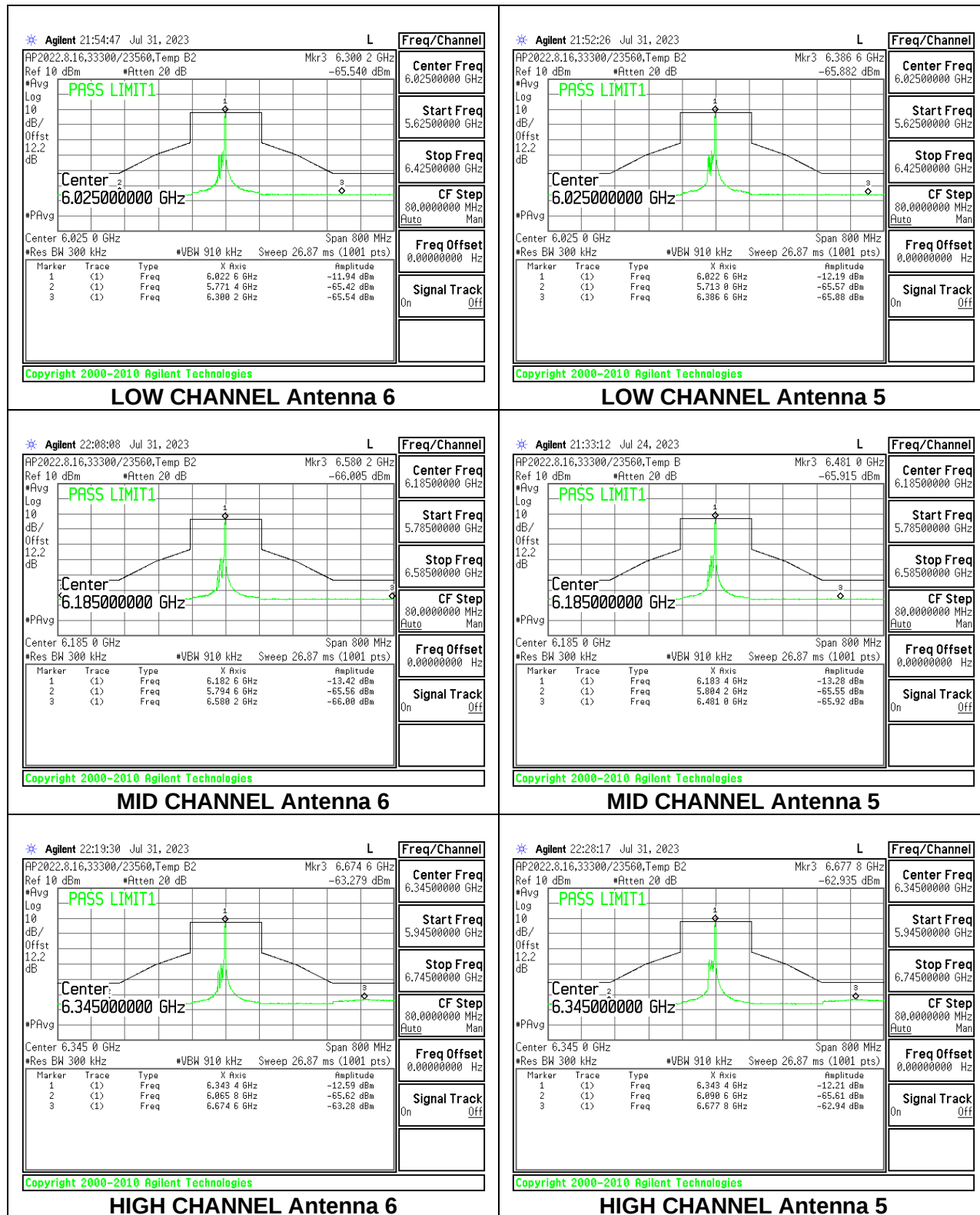
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User



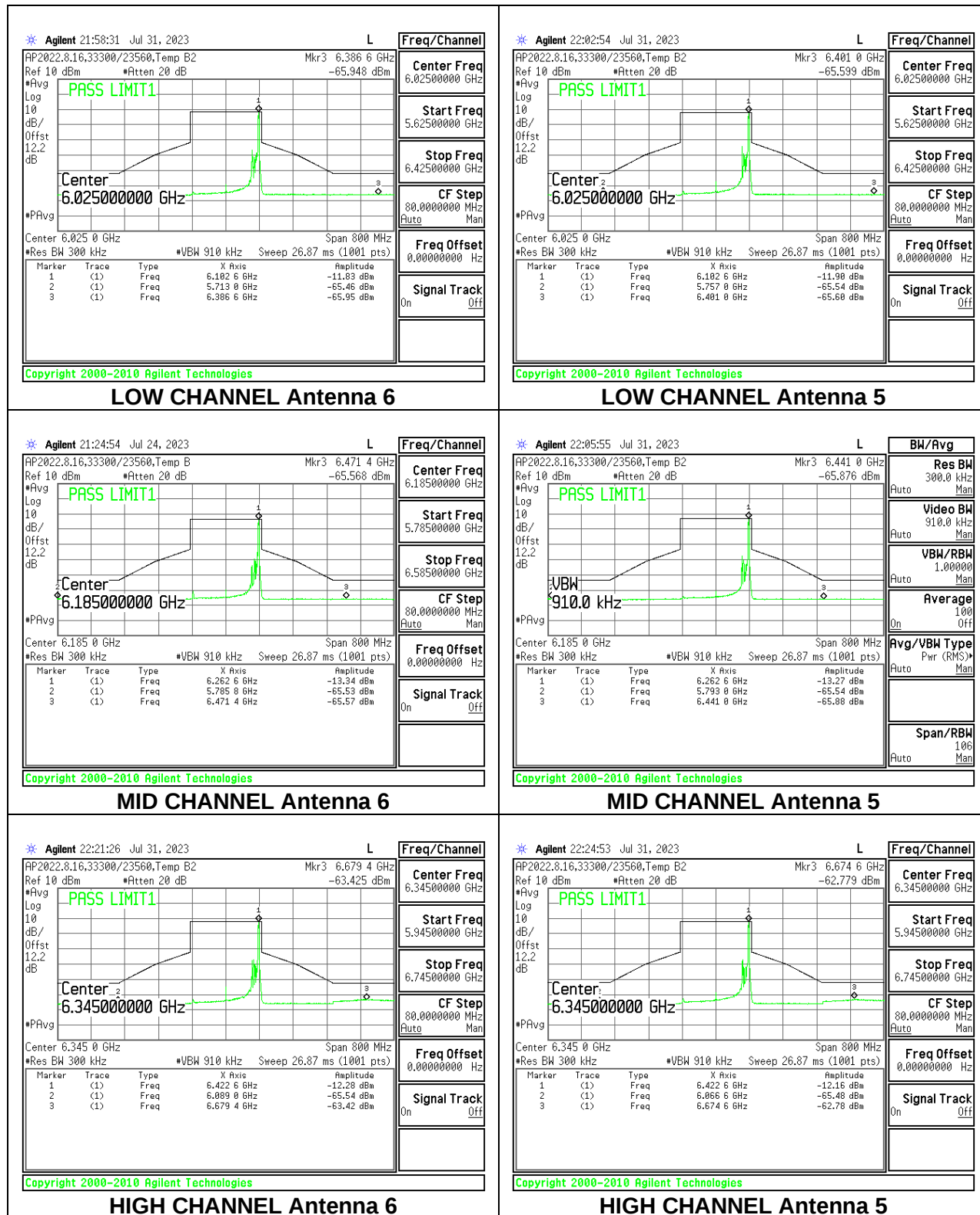
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0



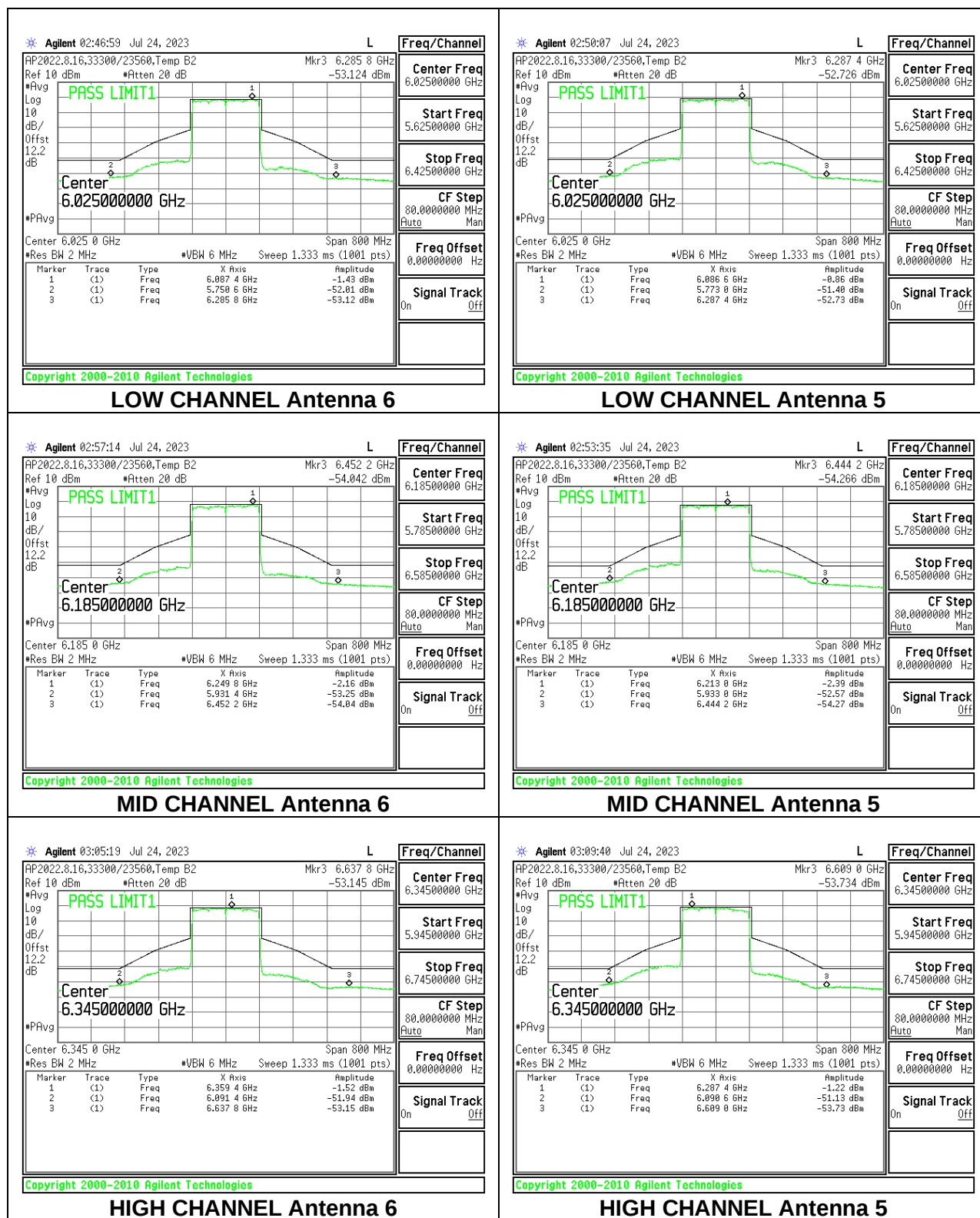
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 36



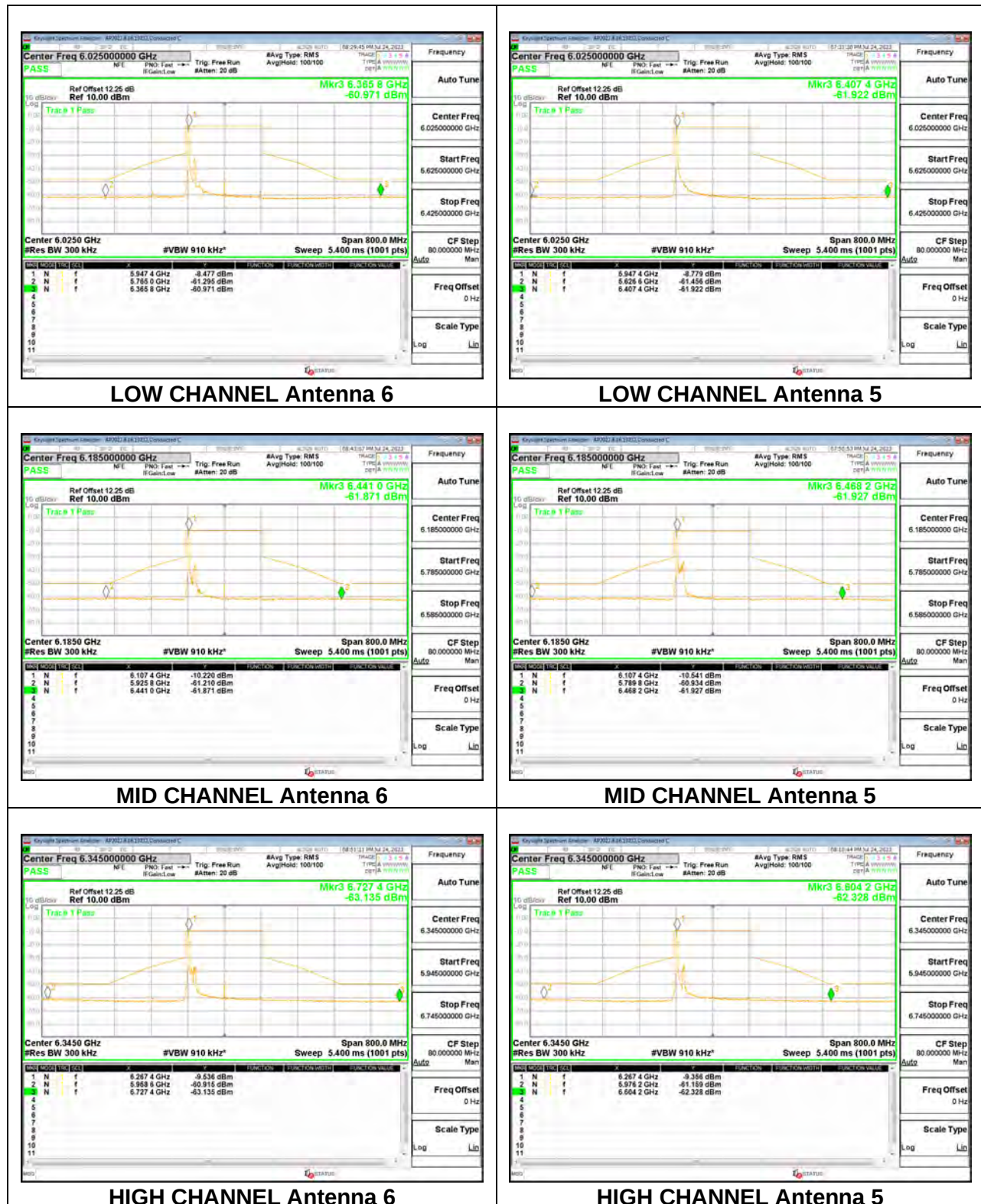
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index S36



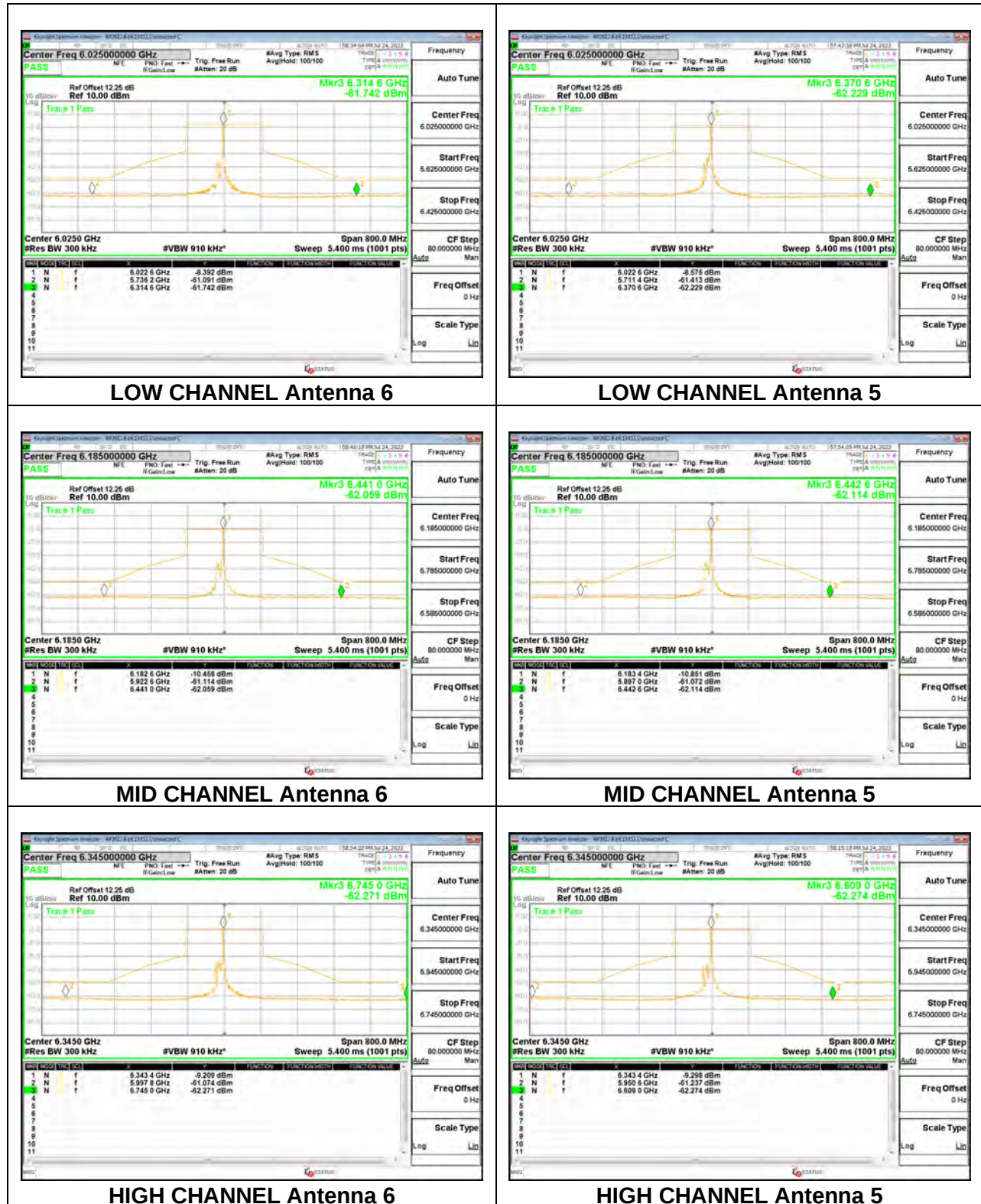
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User



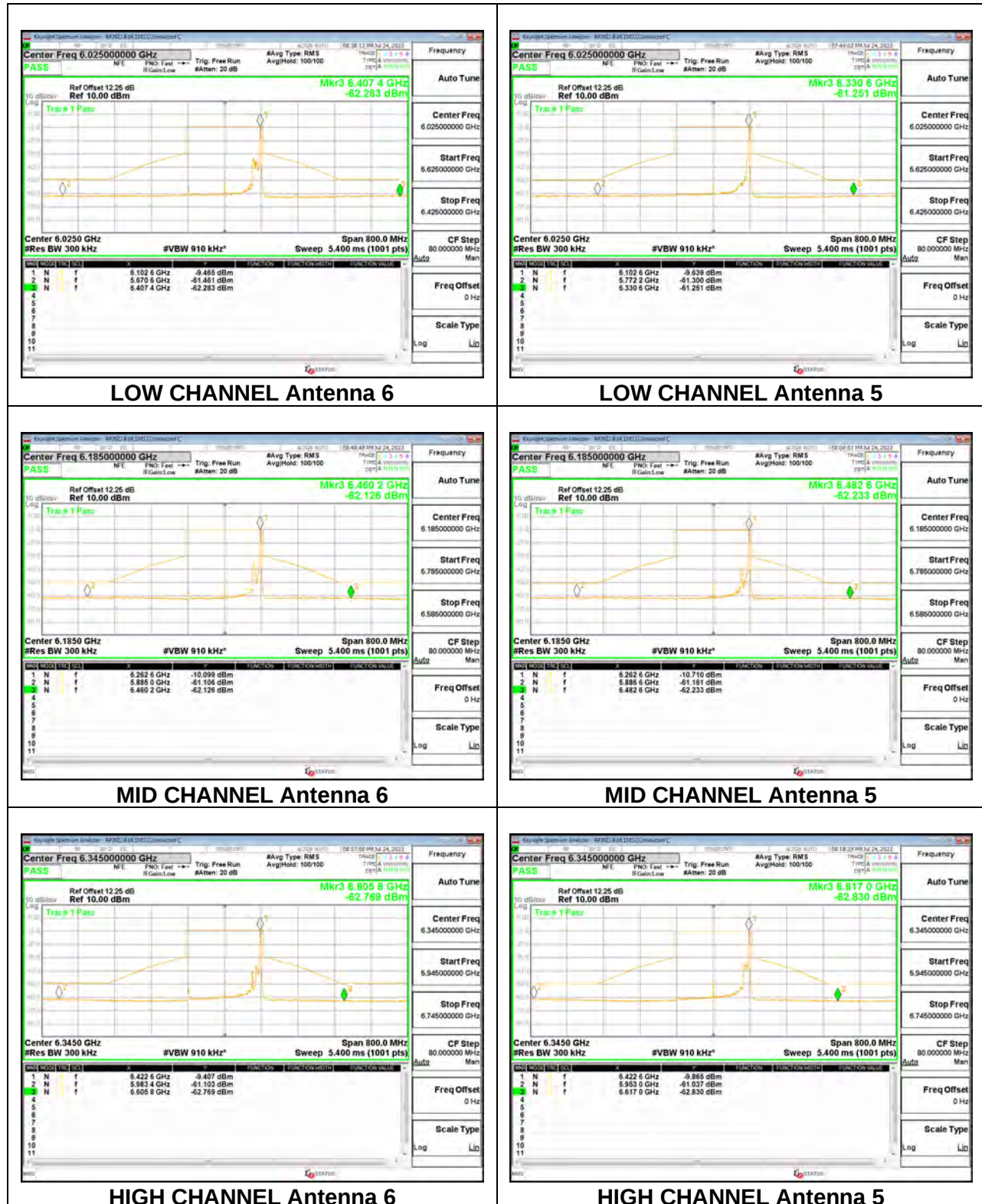
2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 36

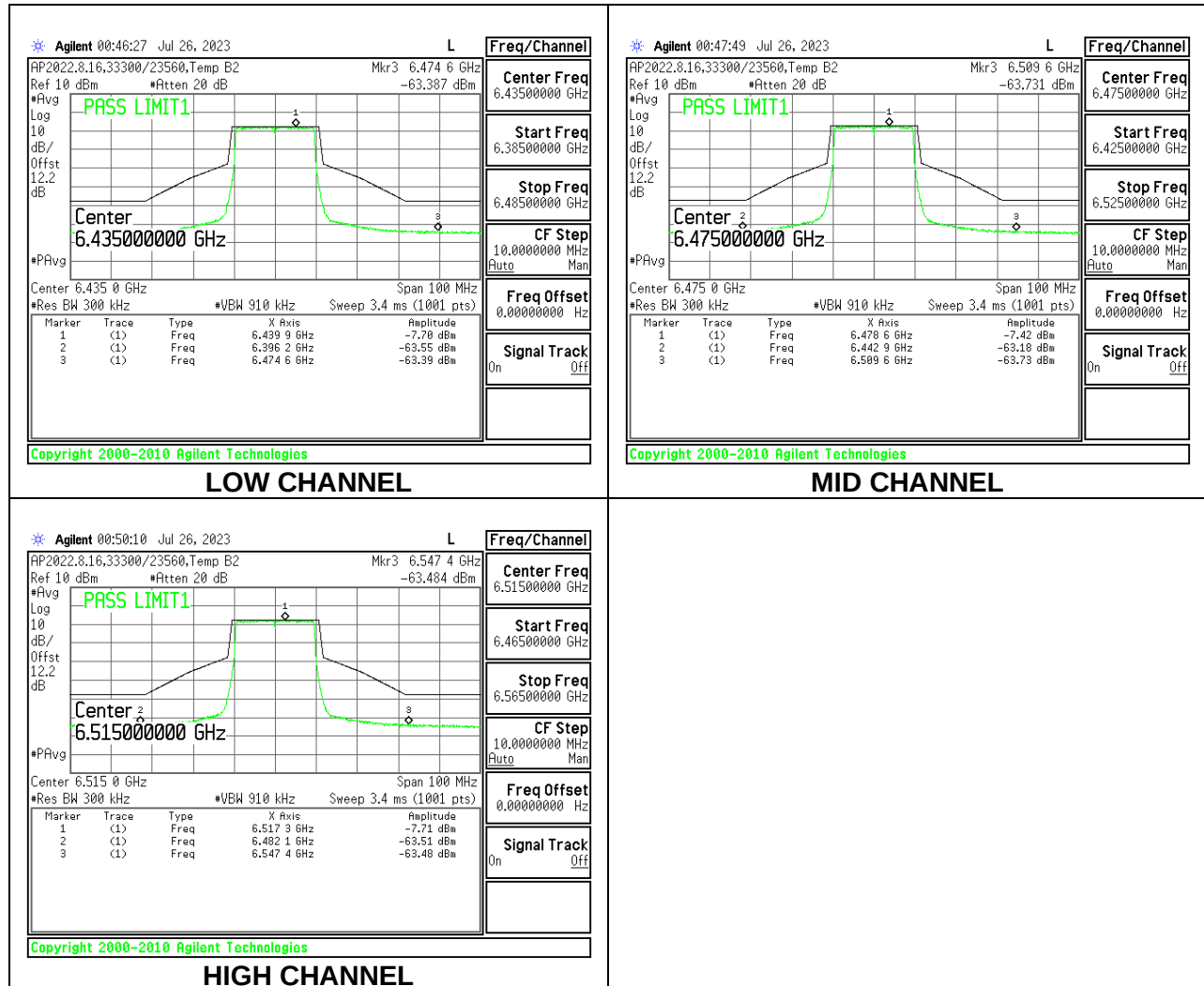


2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index S36

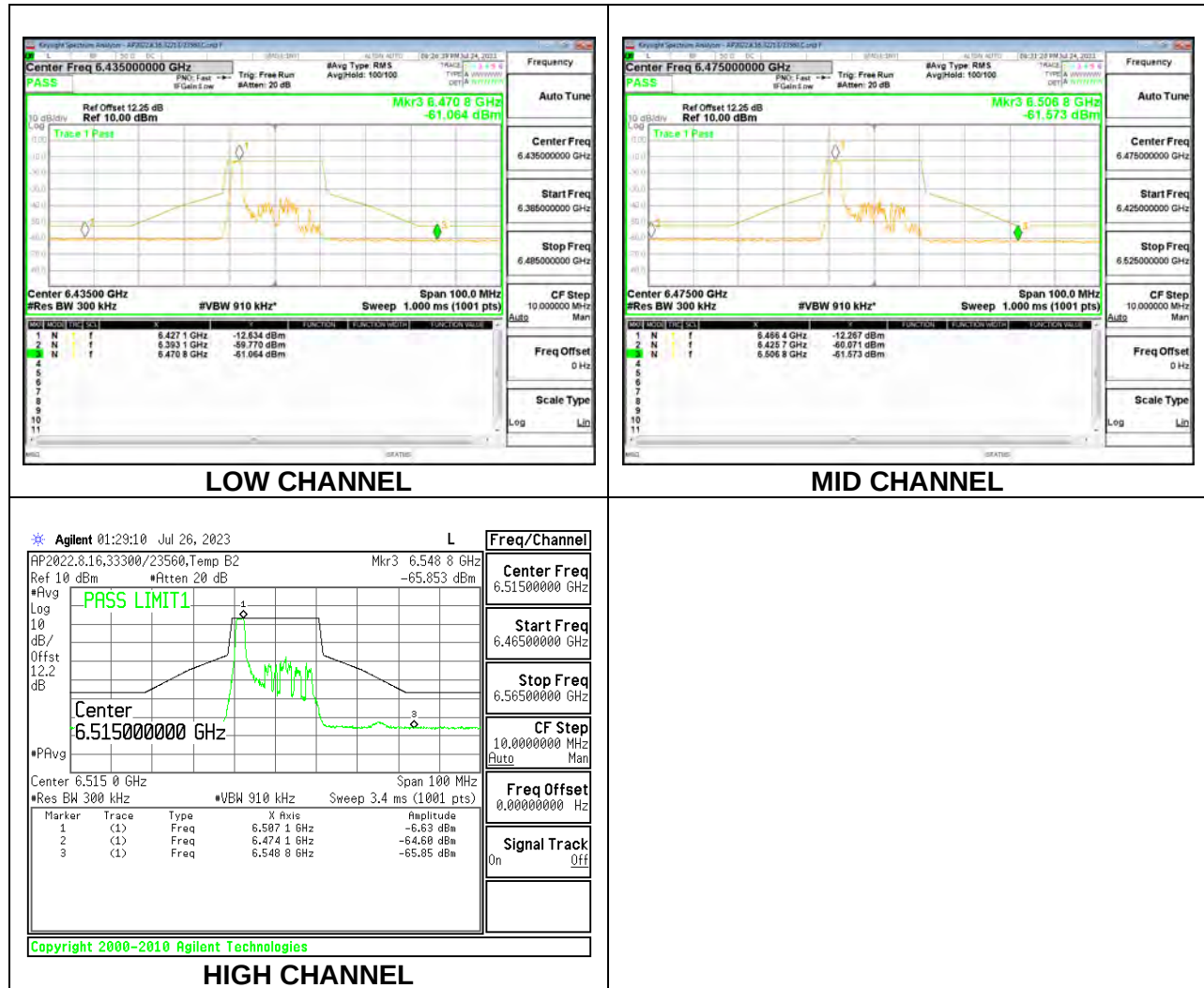


9.5.5. 802.11ax HE20 MODE IN THE UNII-6 BAND

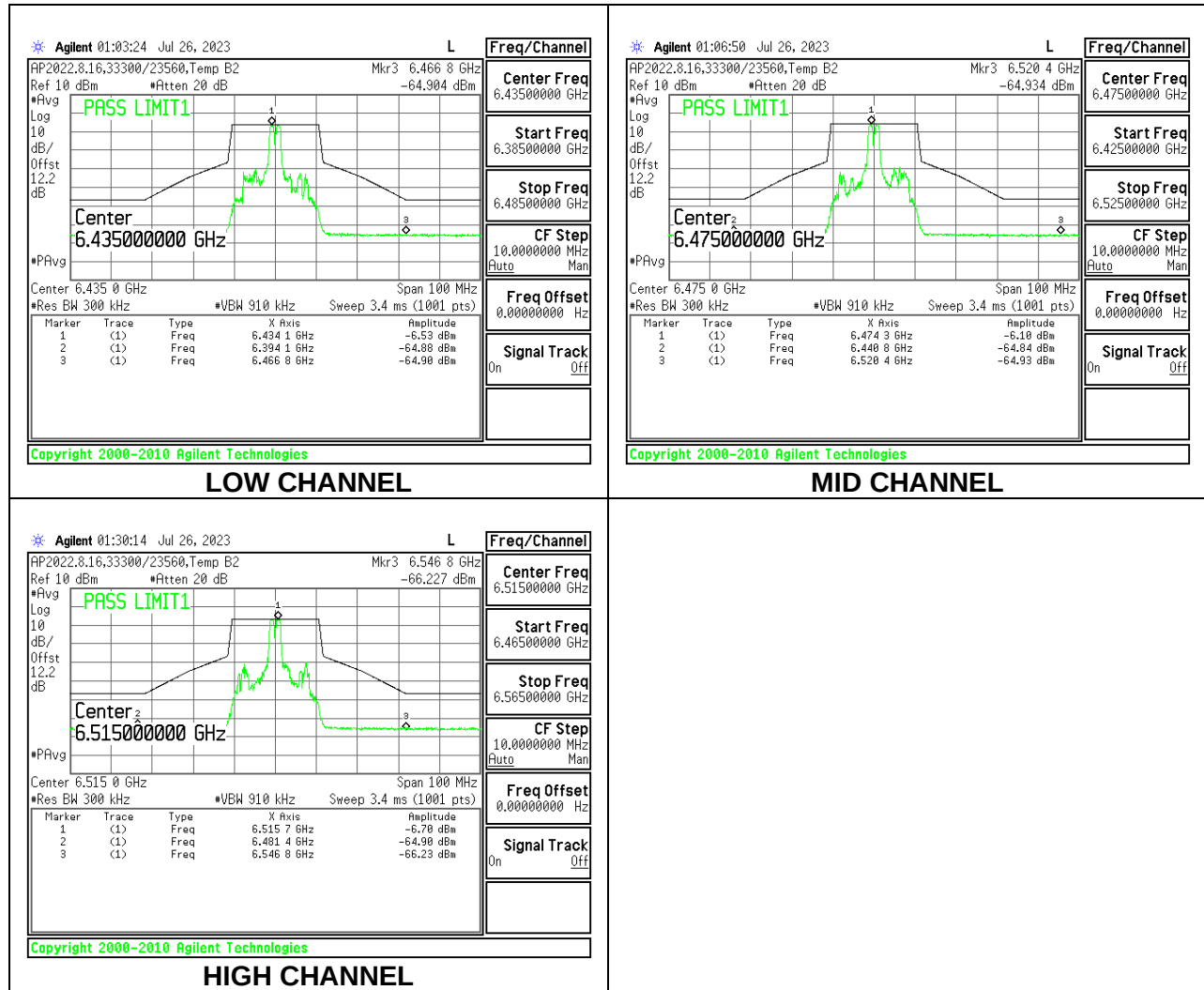
1TX Antenna 6 MODE: SU, Single User



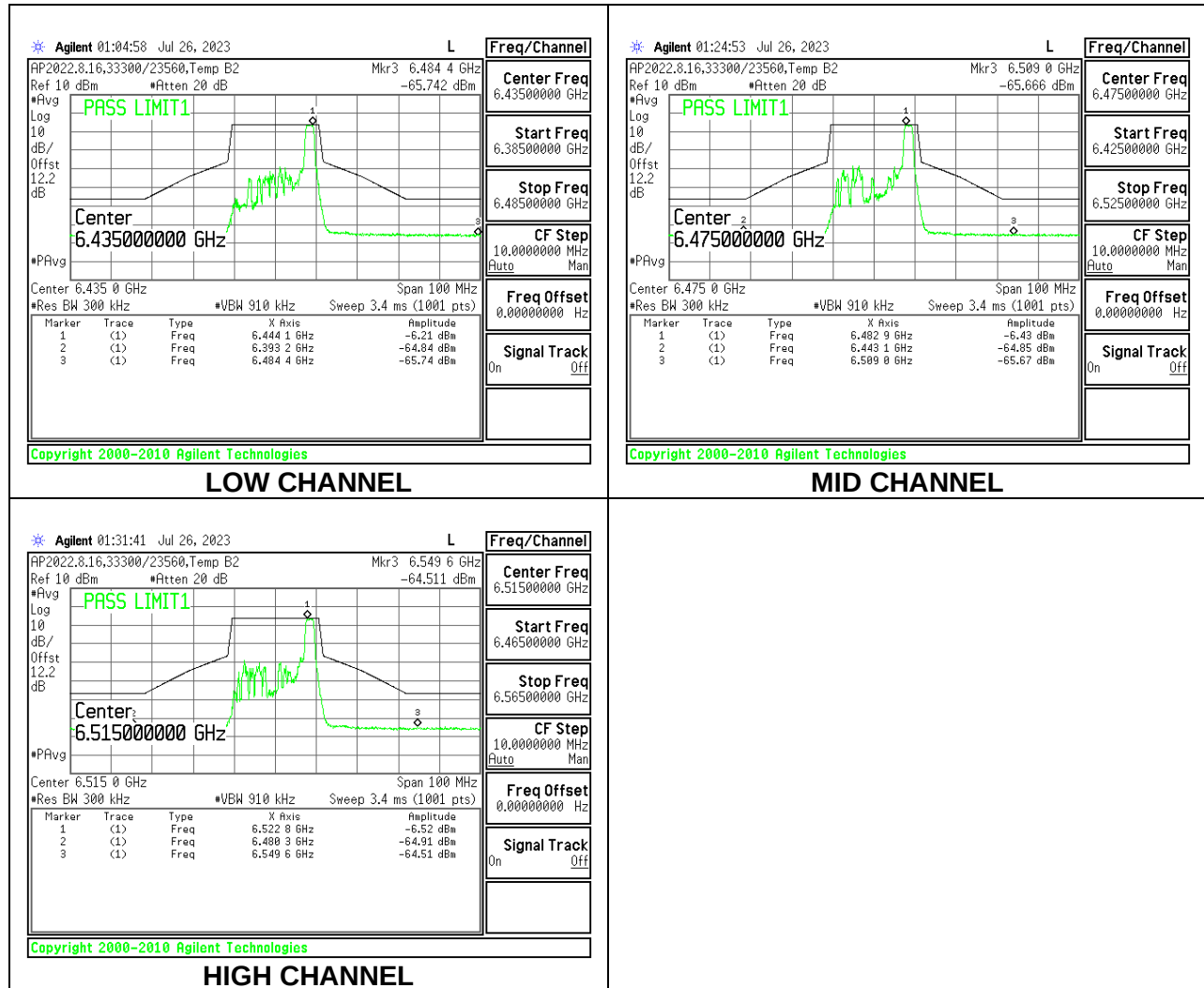
1TX Antenna 6 MODE: 26-Tone, RU Index 0



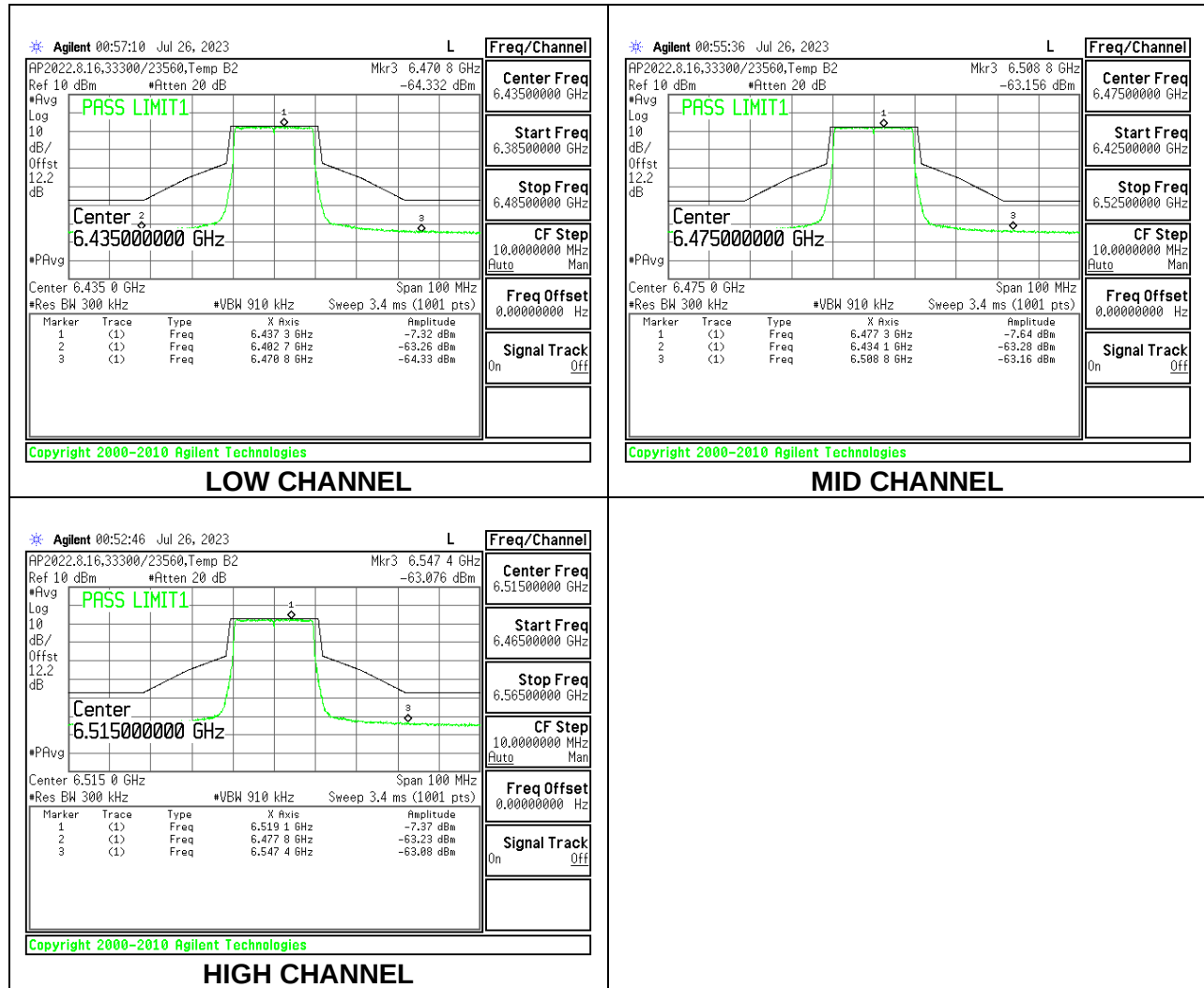
1TX Antenna 6 MODE: 26-Tone, RU Index 4



1TX Antenna 6 MODE: 26-Tone, RU Index 8



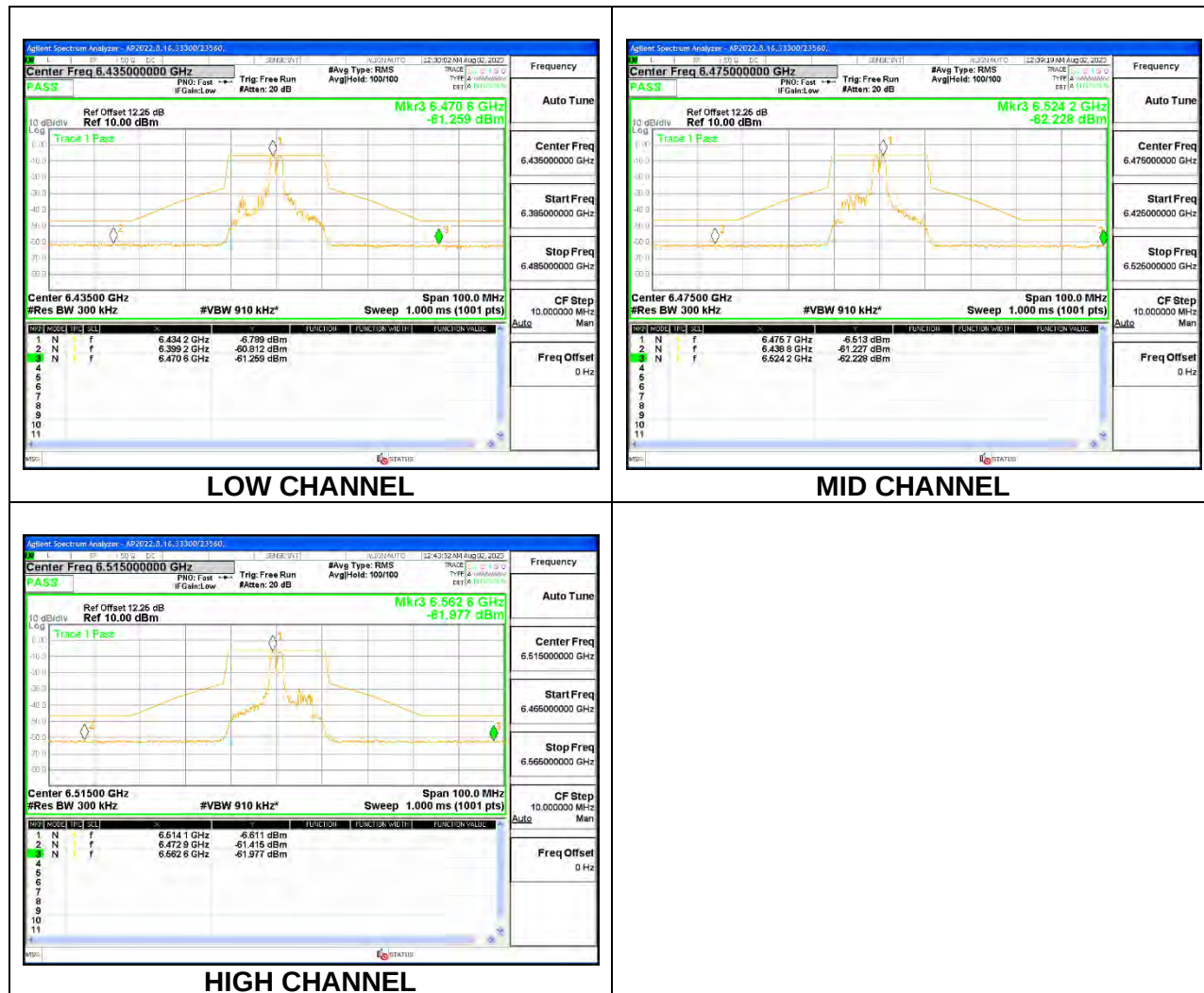
1TX Antenna 5 MODE: SU, Single User



1TX Antenna 5 MODE: 26-Tone, RU Index 0



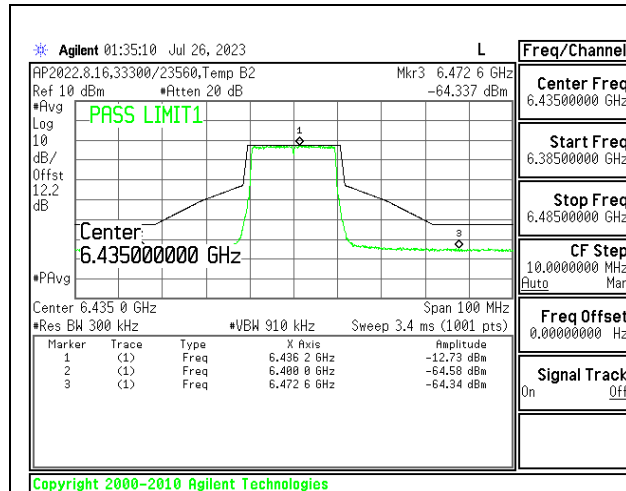
1TX Antenna 5 MODE: 26-Tone, RU Index 4



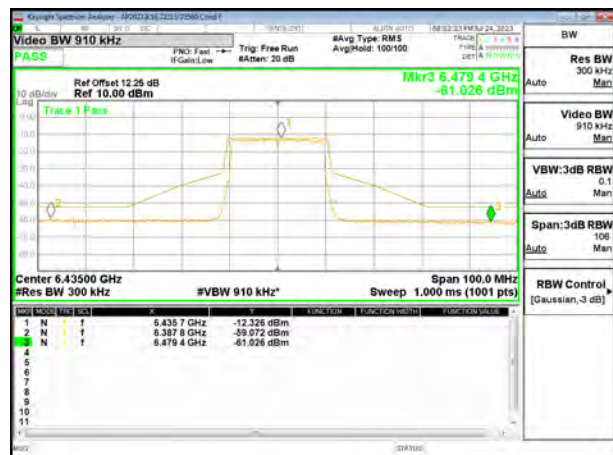
1TX Antenna 5 MODE: 26-Tone, RU Index 8



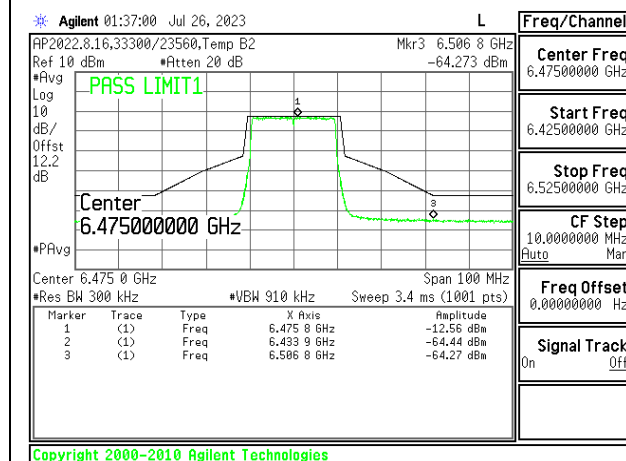
2TX Antenna 6 + Antenna 5 CDD MODE: SU, Single User



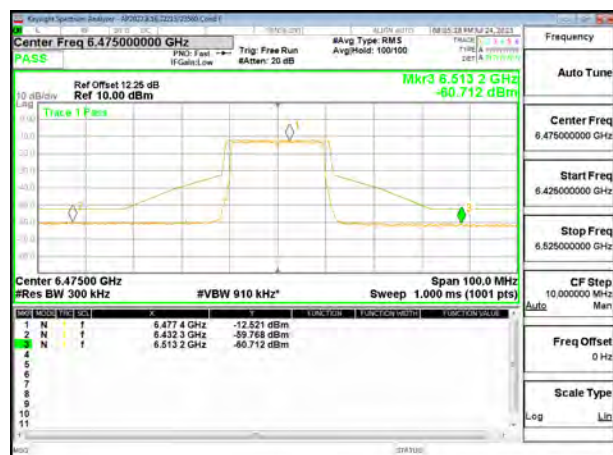
LOW CHANNEL Antenna 6



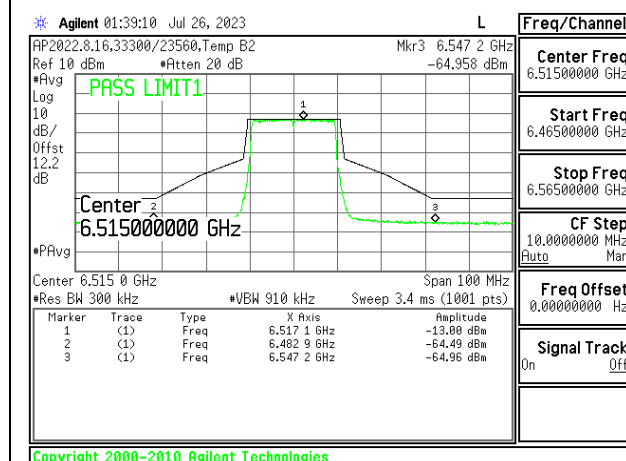
LOW CHANNEL Antenna 5



MID CHANNEL Antenna 6



MID CHANNEL Antenna 5

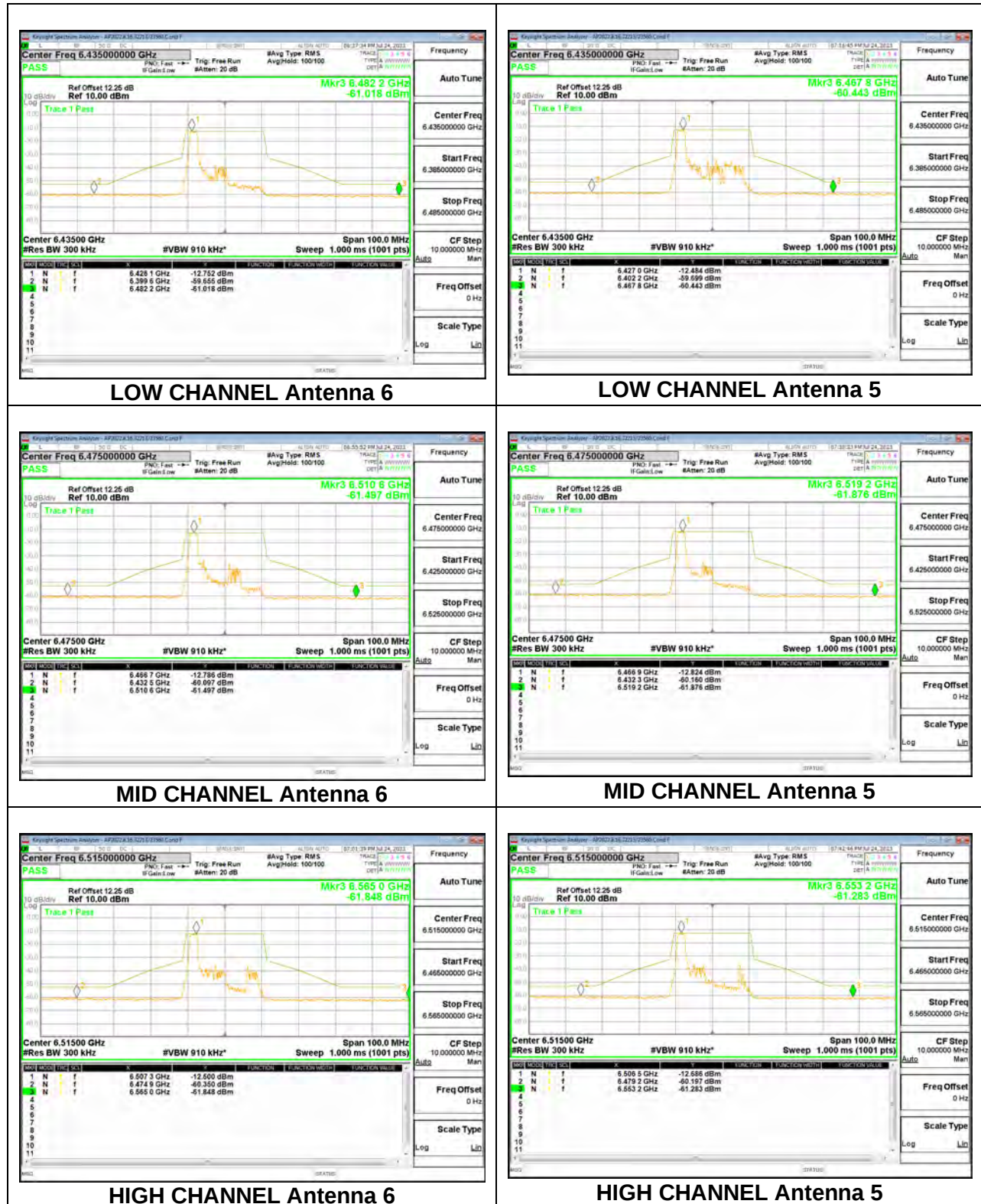


HIGH CHANNEL Antenna 6

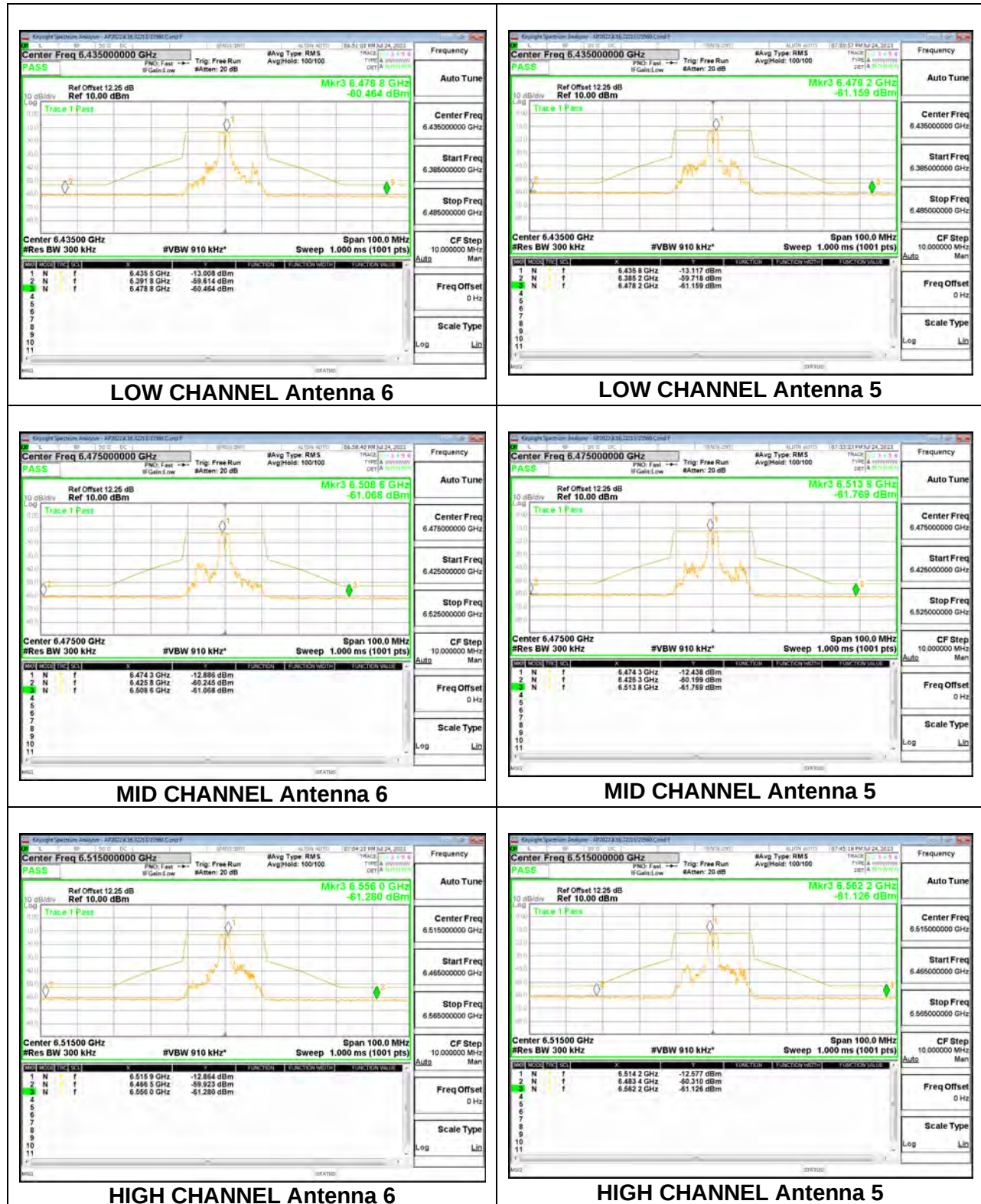


HIGH CHANNEL Antenna 5

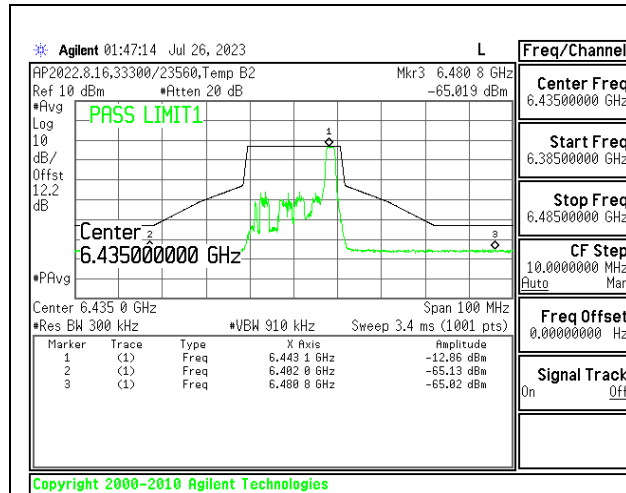
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 0



2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 4



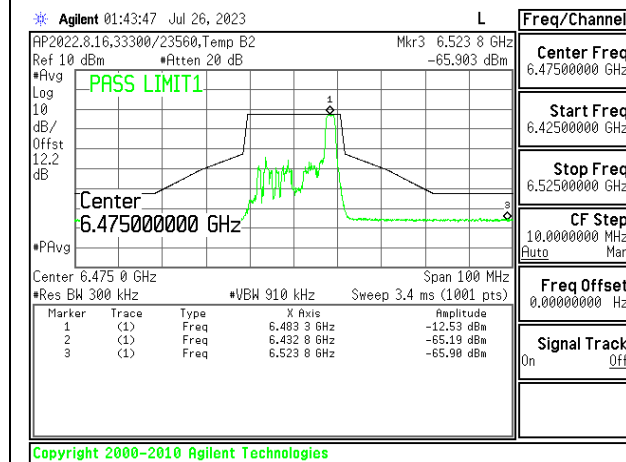
2TX Antenna 6 + Antenna 5 CDD MODE: 26-Tone, RU Index 8



LOW CHANNEL Antenna 6



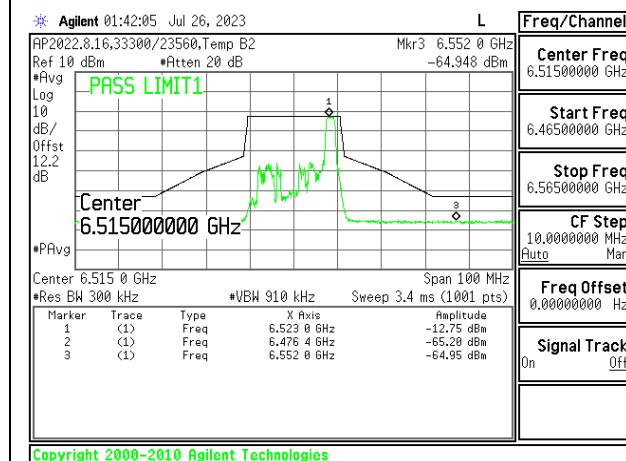
LOW CHANNEL Antenna 5



MID CHANNEL Antenna 6



MID CHANNEL Antenna 5

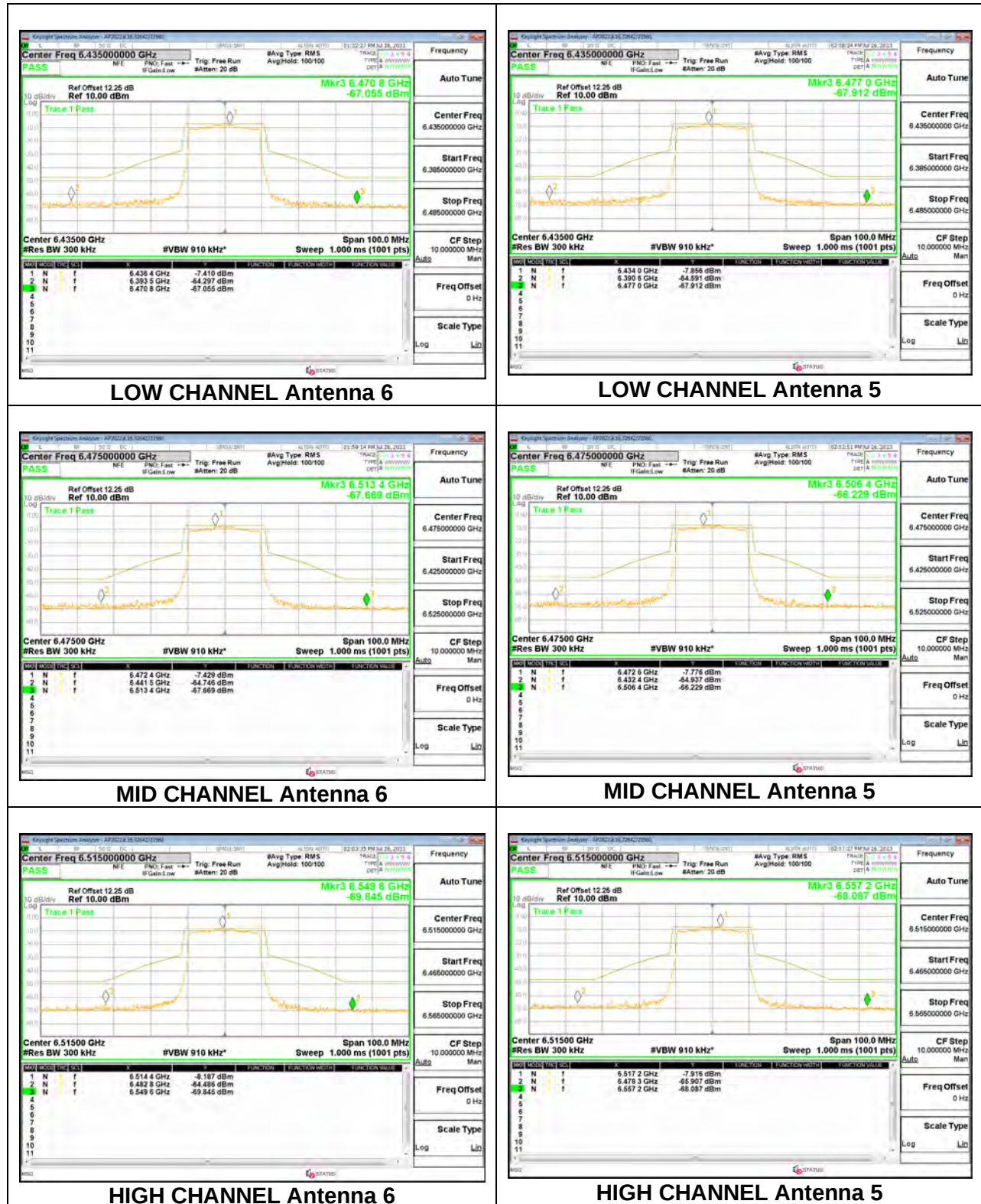


HIGH CHANNEL Antenna 6

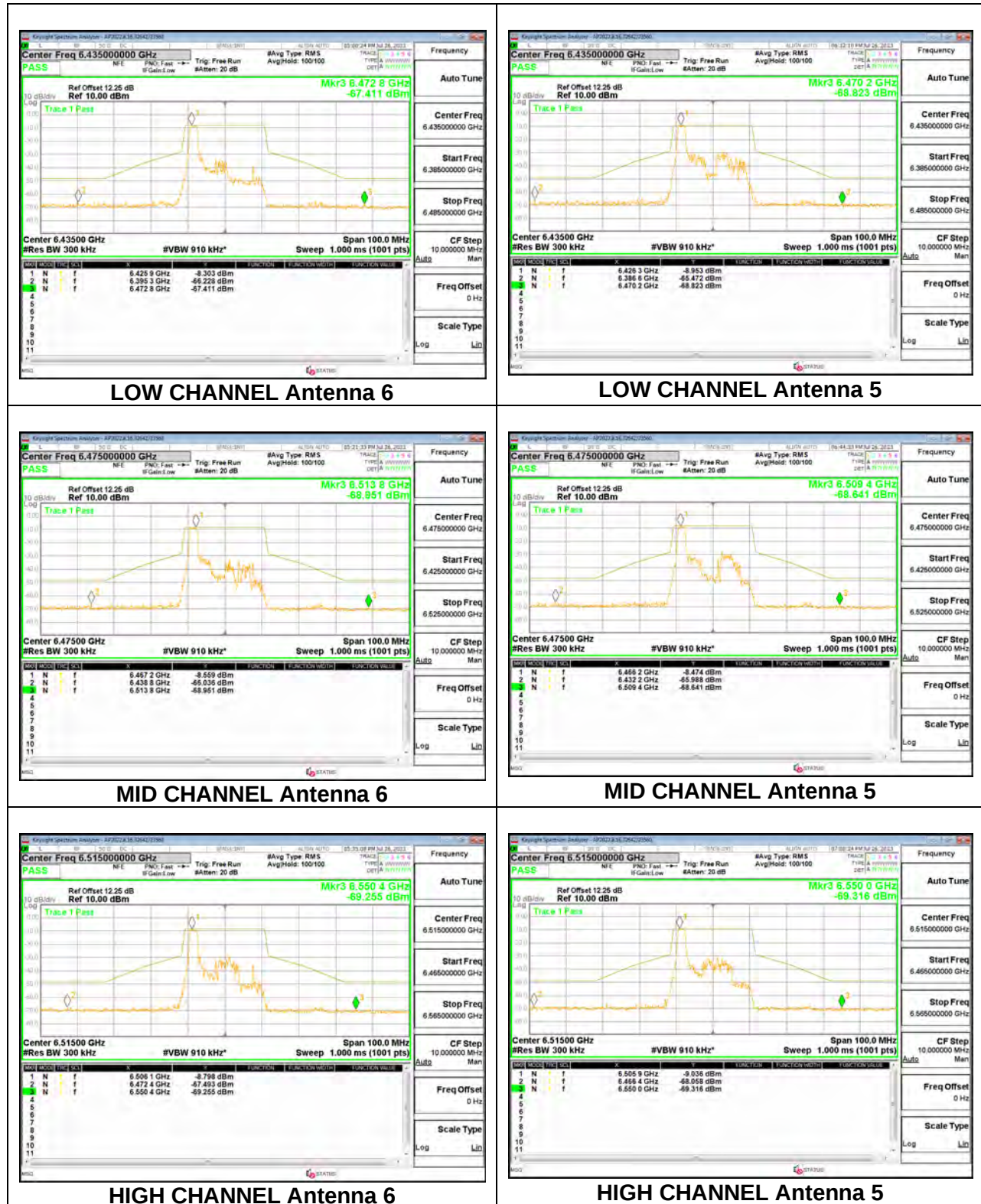


HIGH CHANNEL Antenna 5

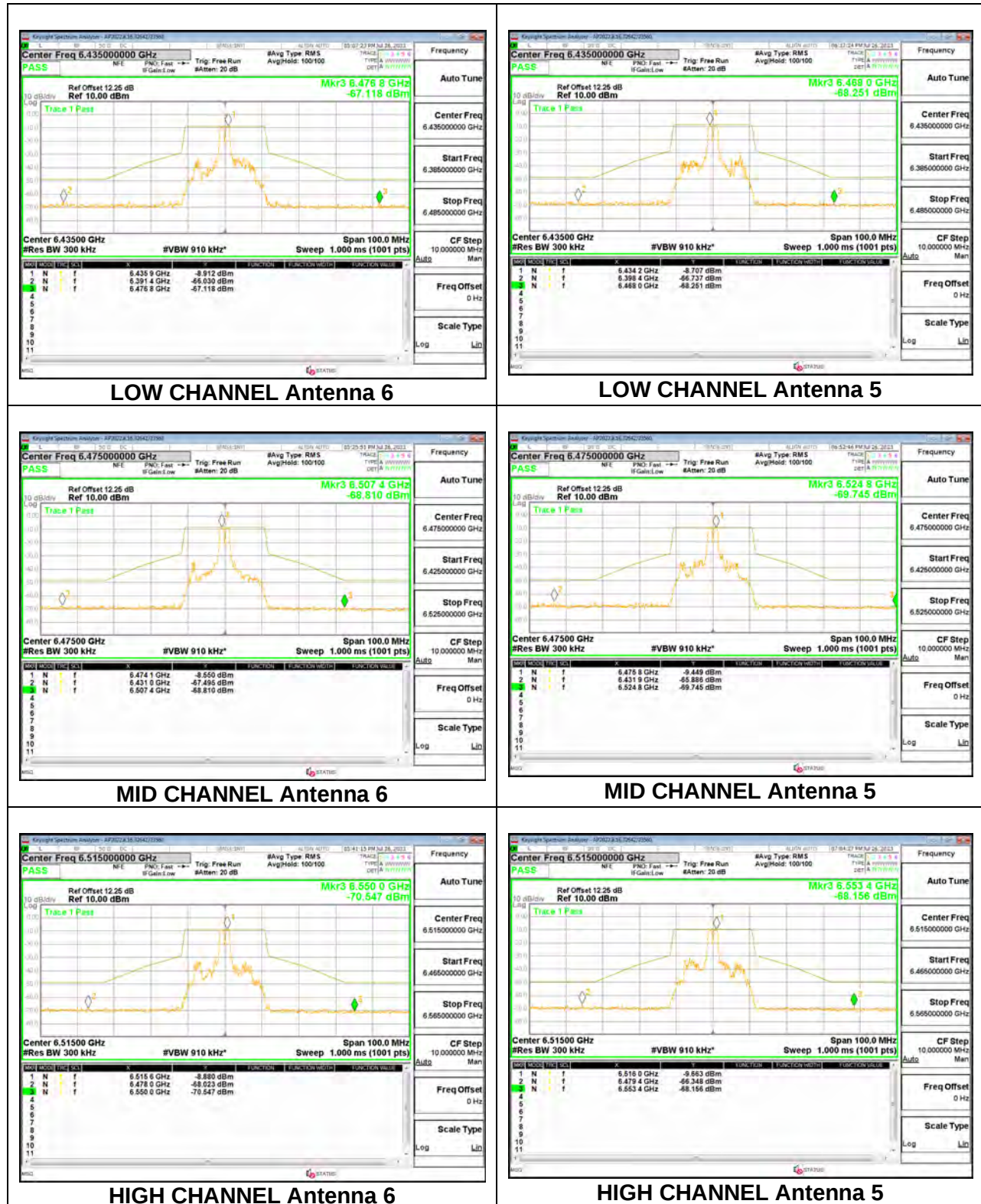
2TX Antenna 6 + Antenna 5 SDM MODE: SU, Single User



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 0



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 4



2TX Antenna 6 + Antenna 5 SDM MODE: 26-Tone, RU Index 8

