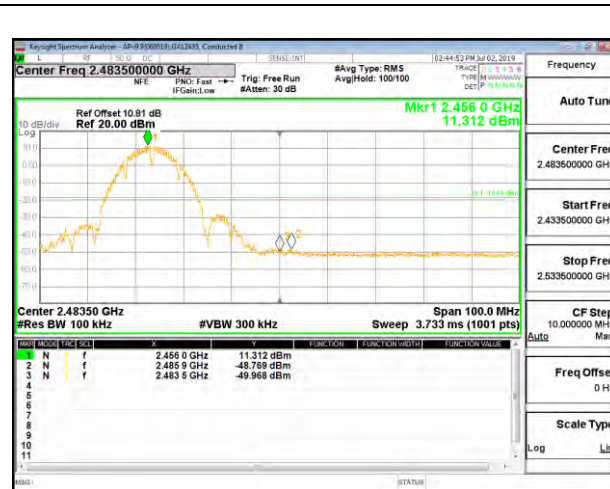
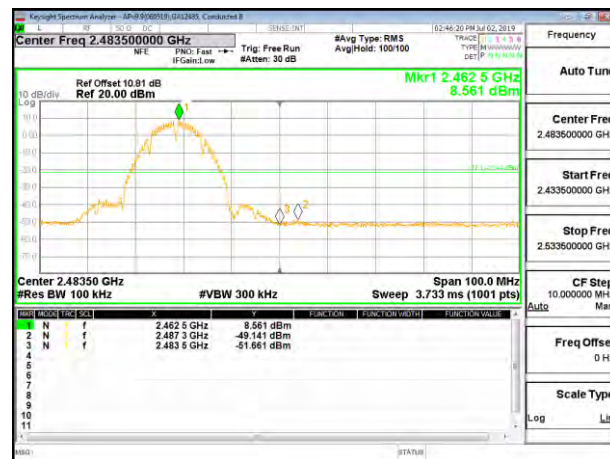




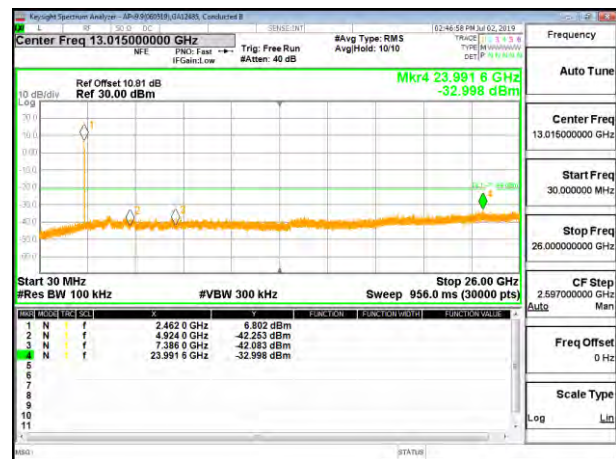
HIGH CHANNEL 10 BANDEDGE CHAIN 1



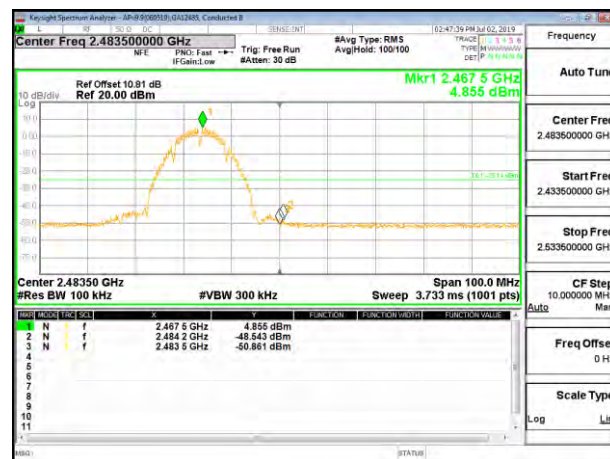
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 1



HIGH CHANNEL 11 BANDEDGE CHAIN 1



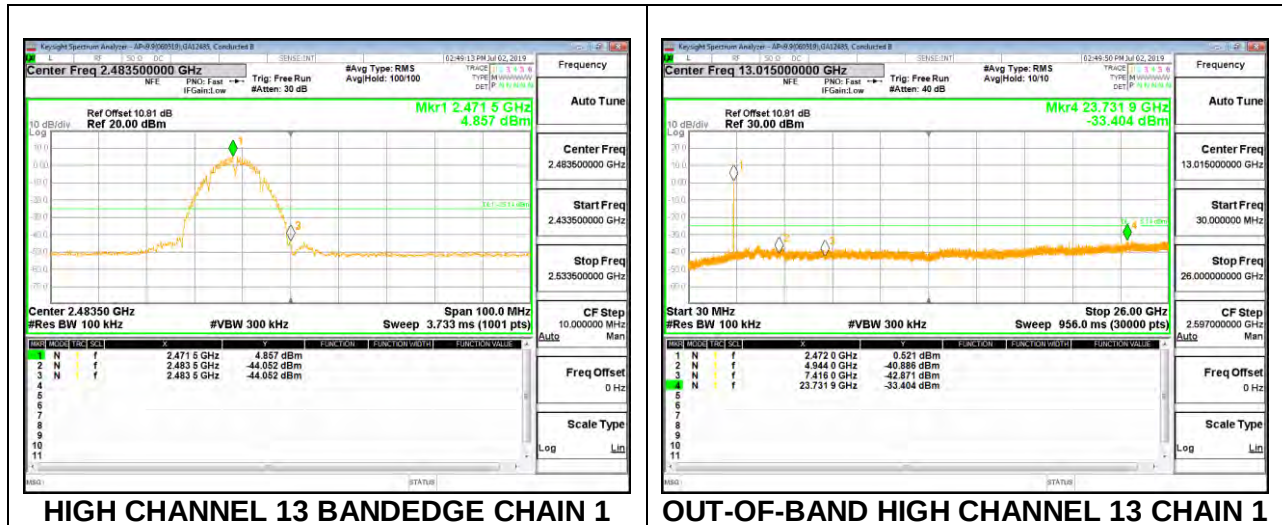
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1

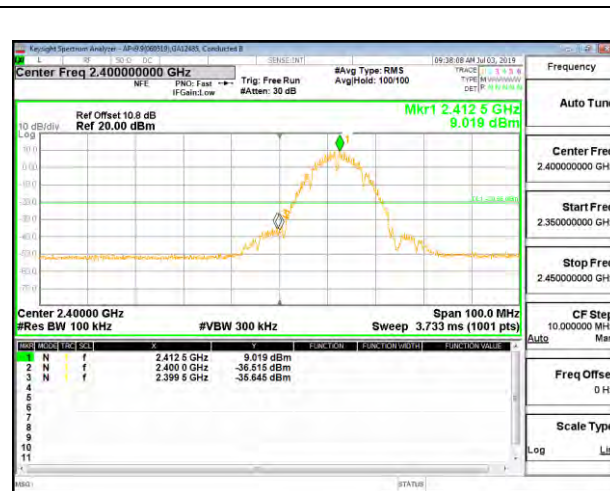


HIGH CHANNEL 12 BANDEDGE CHAIN 1

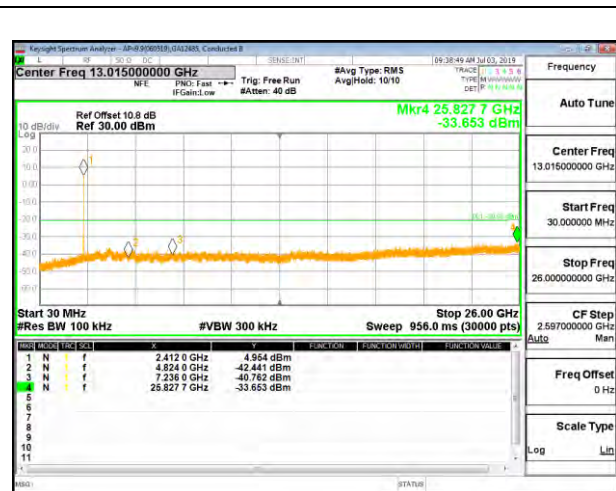


OUT-OF-BAND HIGH CHANNEL 12 CHAIN 1

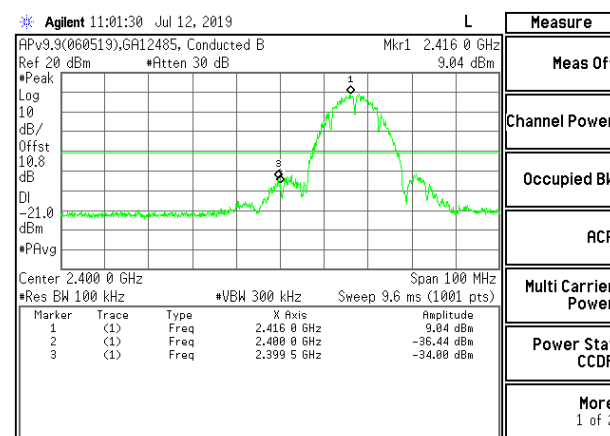




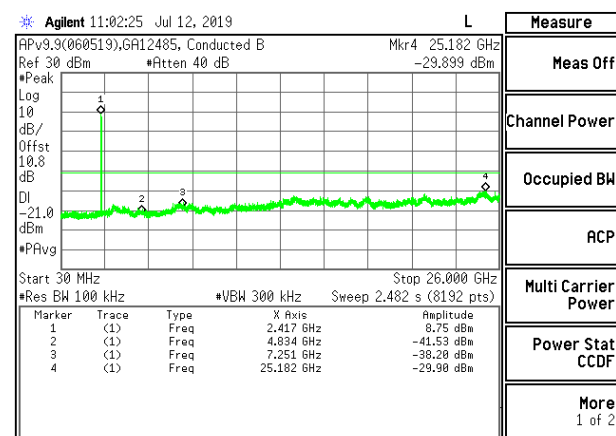
LOW CHANNEL 1 BANDEDGE CHAIN 2



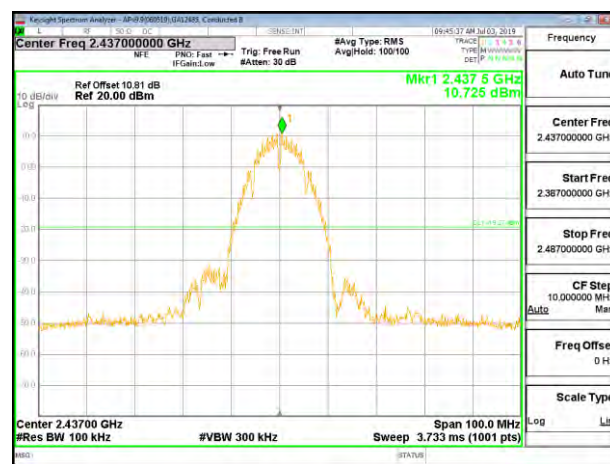
OUT-OF-BAND LOW CHANNEL 1 CHAIN 2



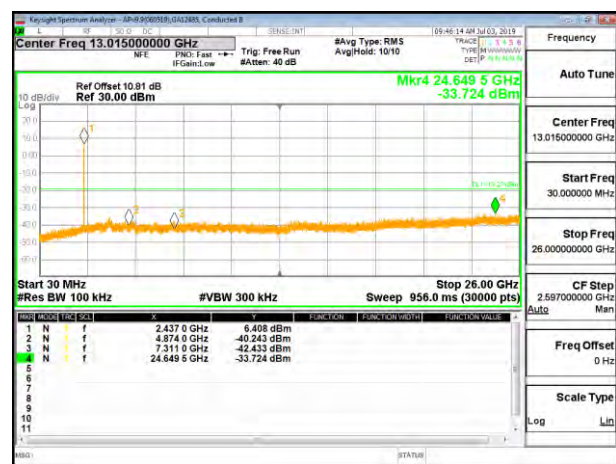
LOW CHANNEL 2 BANDEDGE CHAIN 2



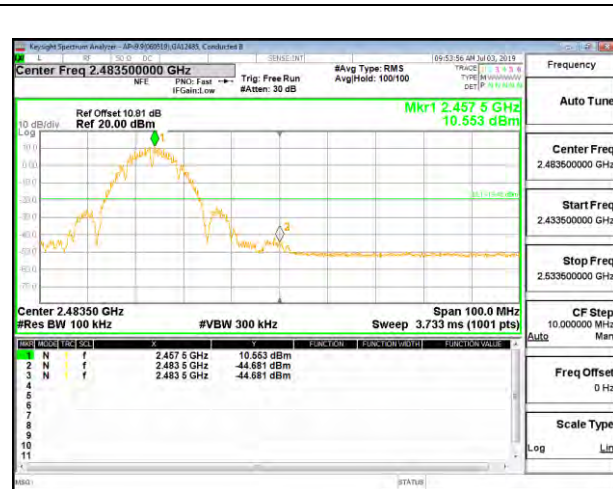
OUT-OF-BAND LOW CHANNEL 2 CHAIN 2



IN-BAND REFERENCE LEVEL CHAIN 2



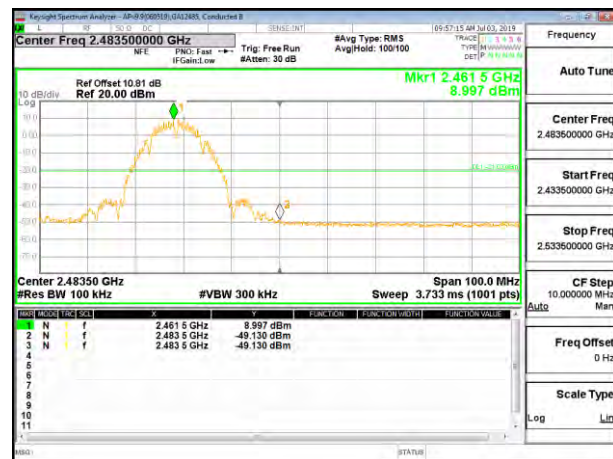
OUT-OF-BAND MID CHANNEL CHAIN 2



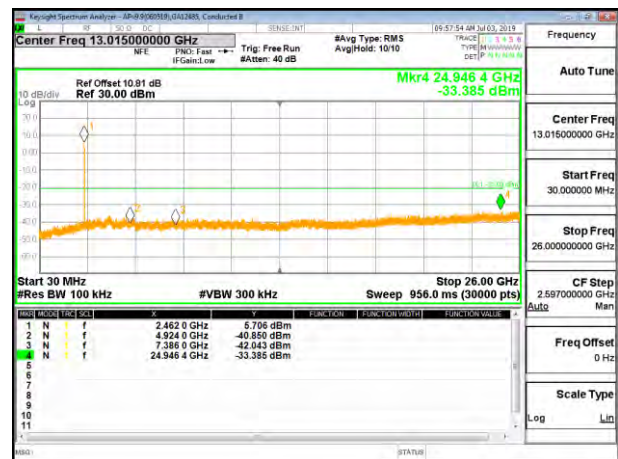
HIGH CHANNEL 10 BANDEDGE CHAIN 2



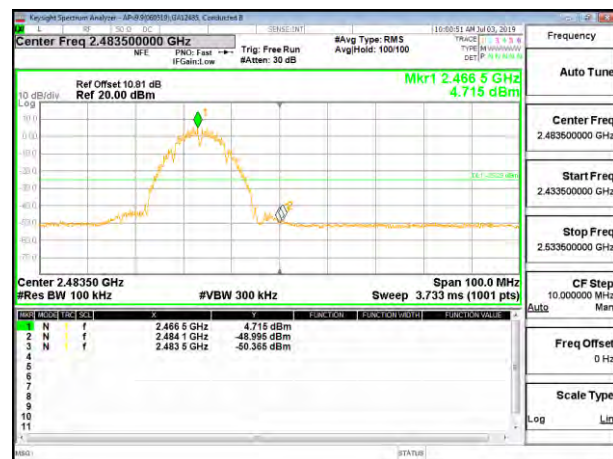
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



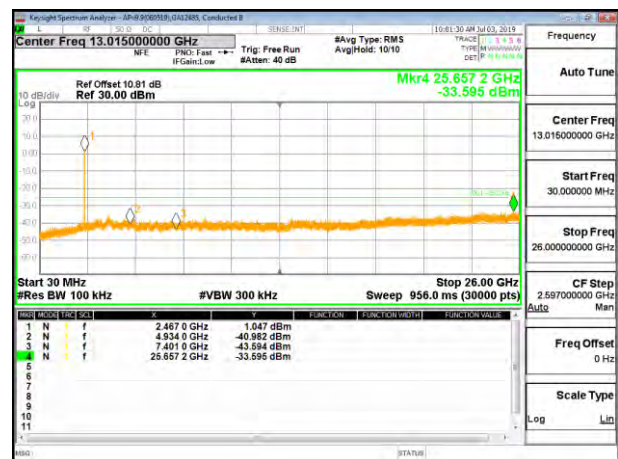
HIGH CHANNEL 11 BANDEDGE CHAIN 2



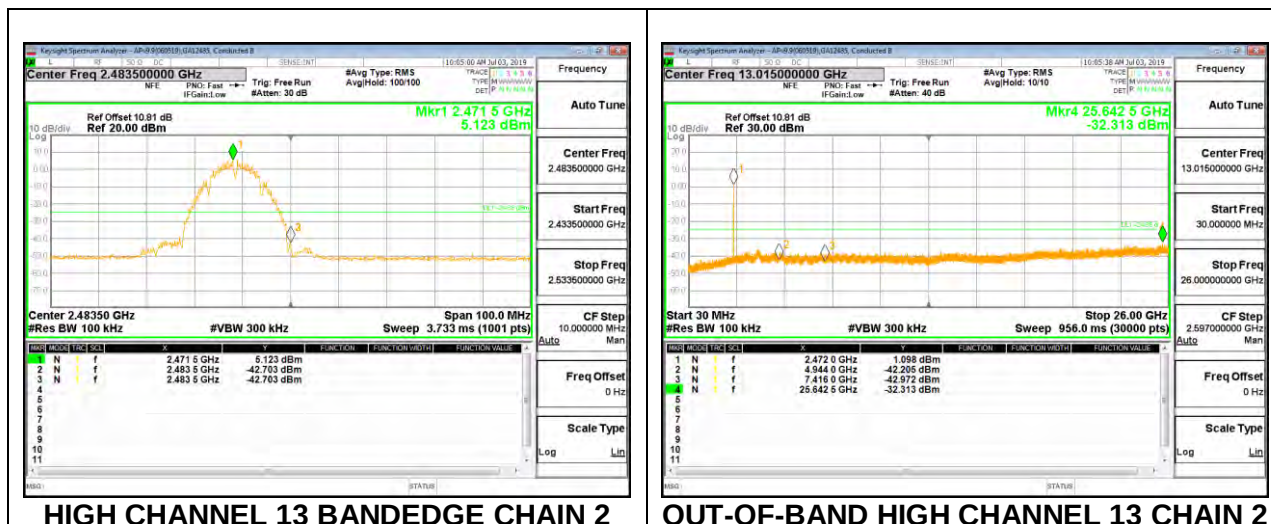
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2



HIGH CHANNEL 12 BANDEDGE CHAIN 2

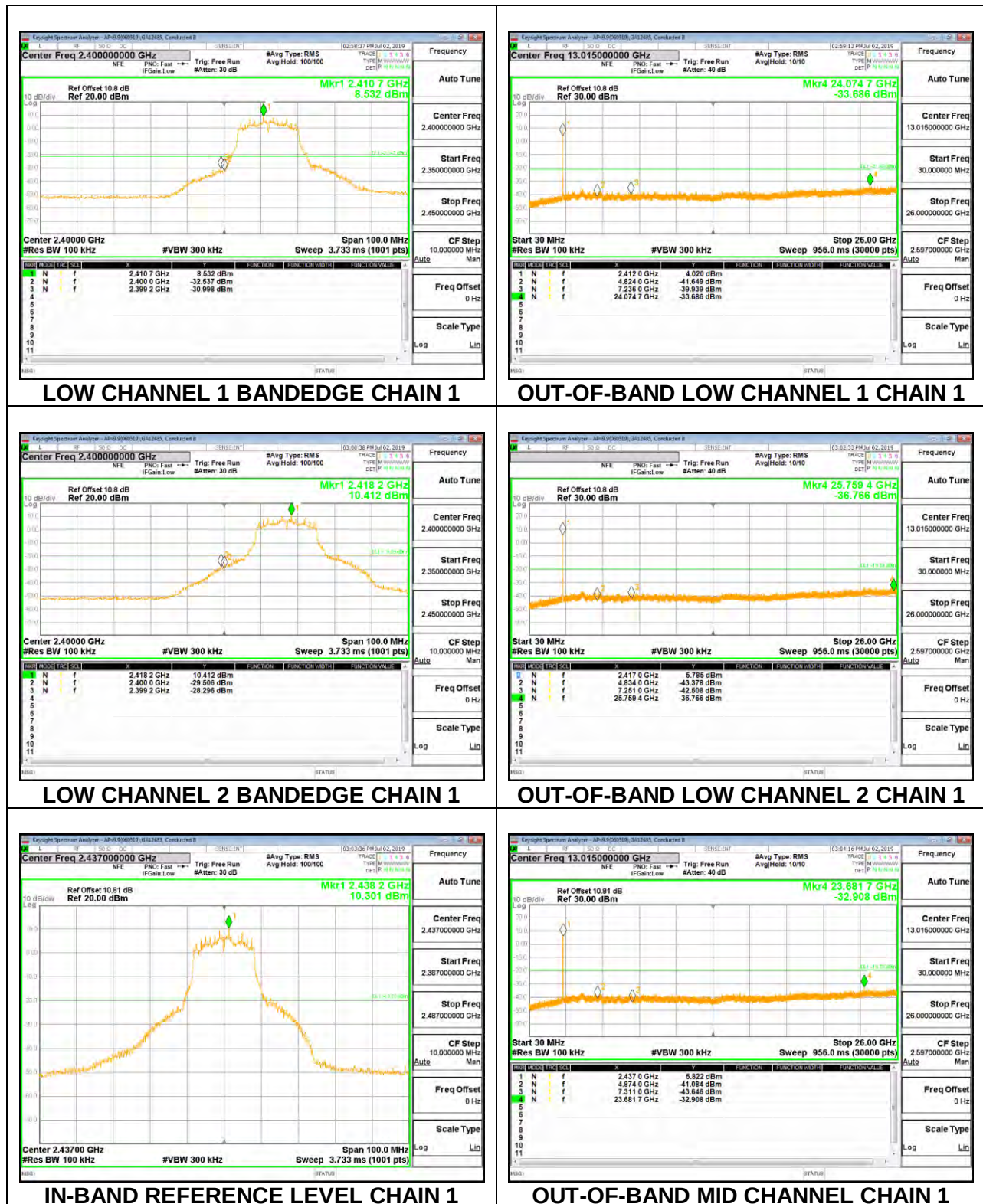


OUT-OF-BAND HIGH CHANNEL 12 CHAIN 2



8.6.2. 802.11g MODE

2TX Chain 1 + Chain 2 CDD MODE

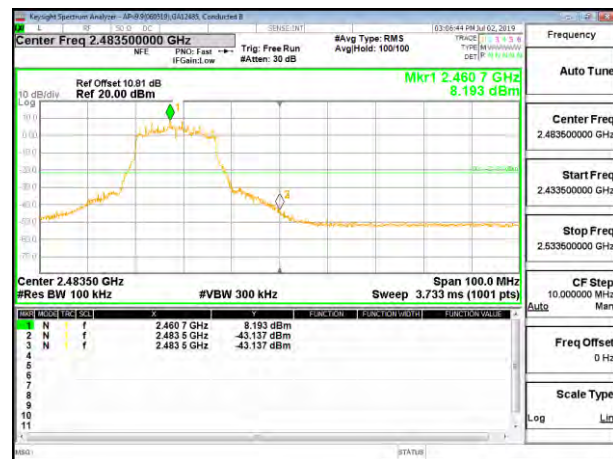




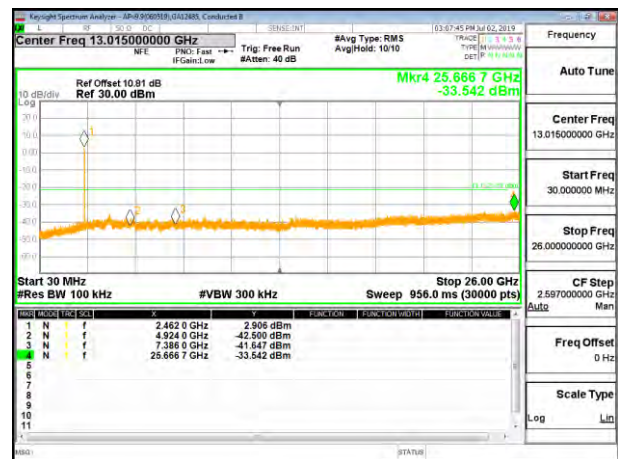
HIGH CHANNEL 10 BANDEDGE CHAIN 1



OUT-OF-BAND HIGH CHANNEL 10 CHAIN 1



HIGH CHANNEL 11 BANDEDGE CHAIN 1



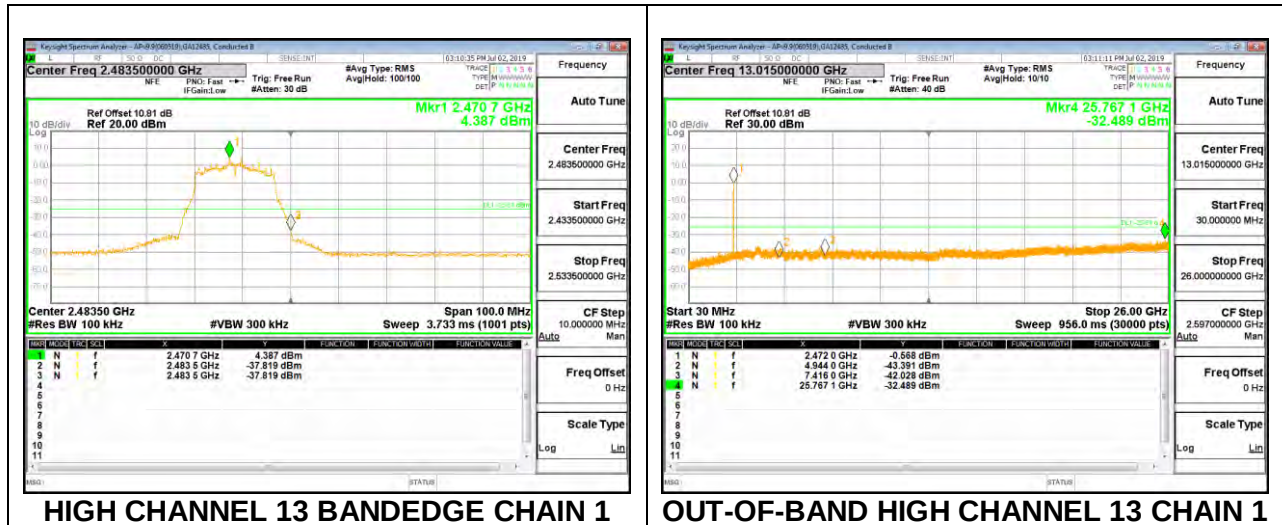
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1

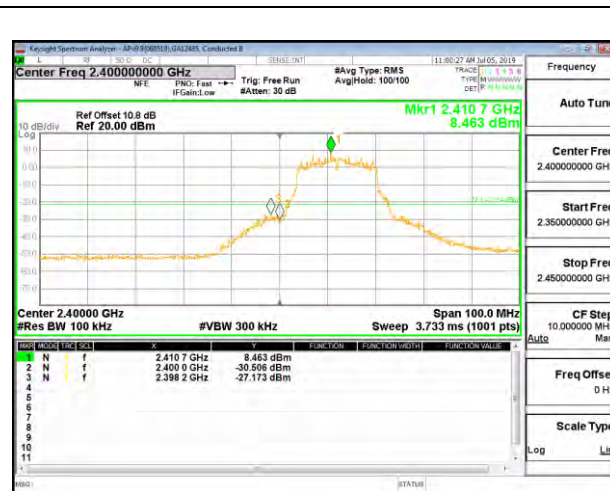


HIGH CHANNEL 12 BANDEDGE CHAIN 1

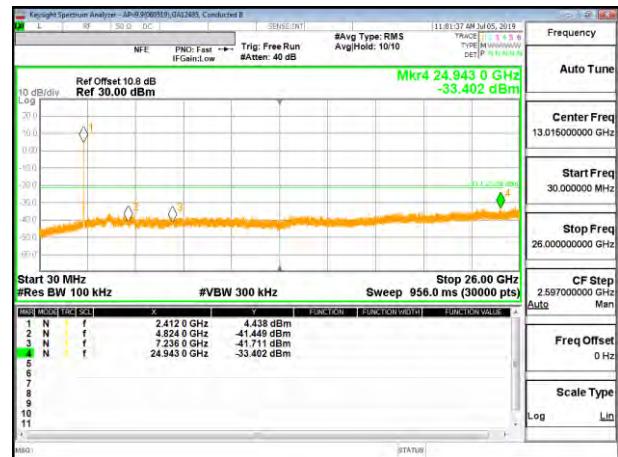


OUT-OF-BAND HIGH CHANNEL 12 CHAIN 1

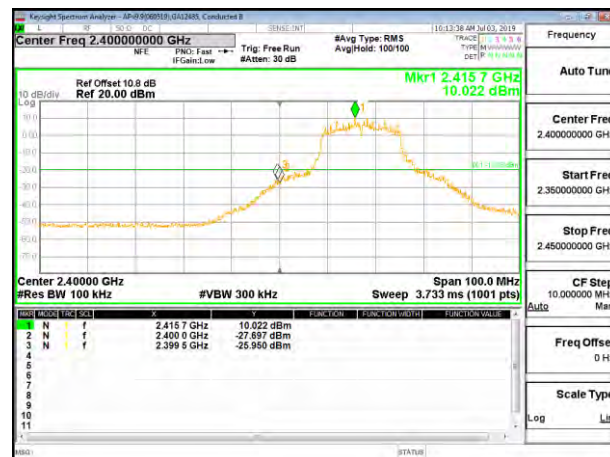




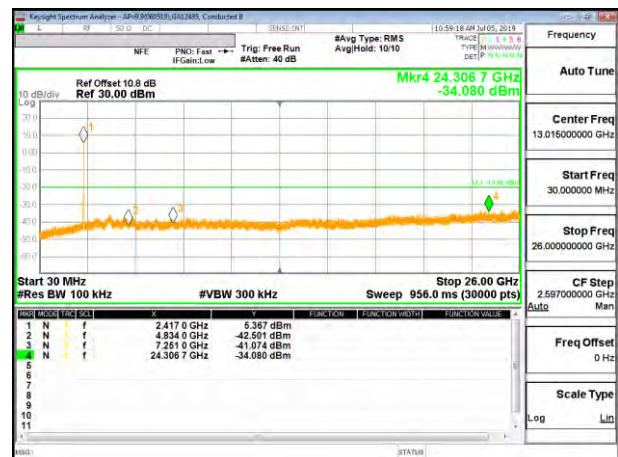
LOW CHANNEL 1 BANDEDGE CHAIN 2



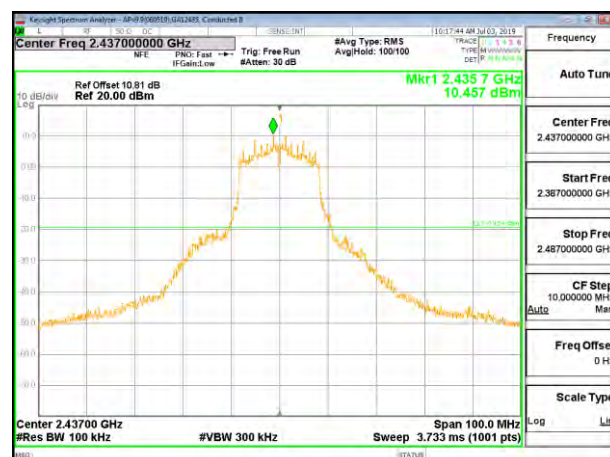
OUT-OF-BAND LOW CHANNEL 1 CHAIN 2



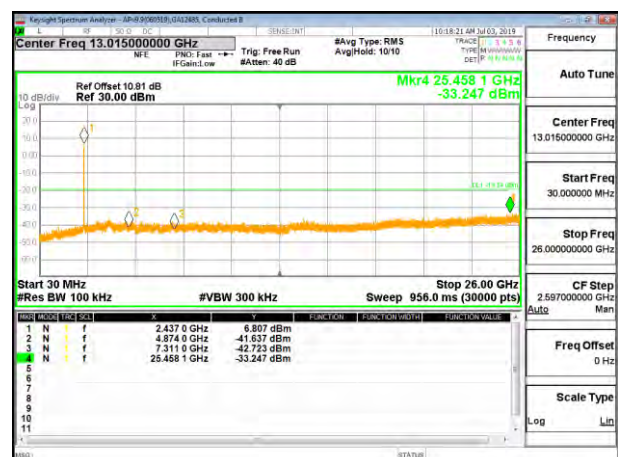
LOW CHANNEL 2 BANDEDGE CHAIN 2



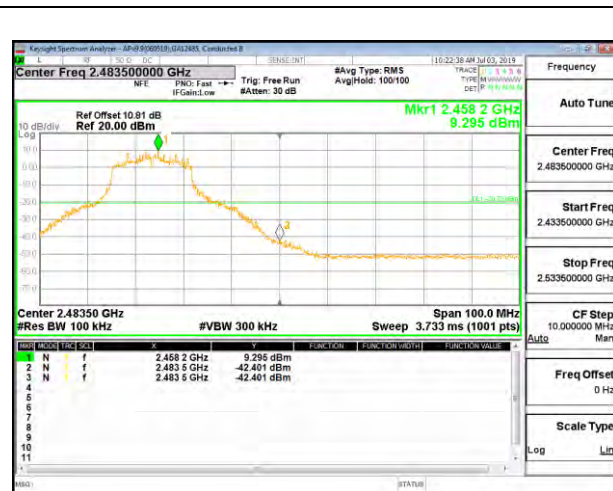
OUT-OF-BAND LOW CHANNEL 2 CHAIN 2



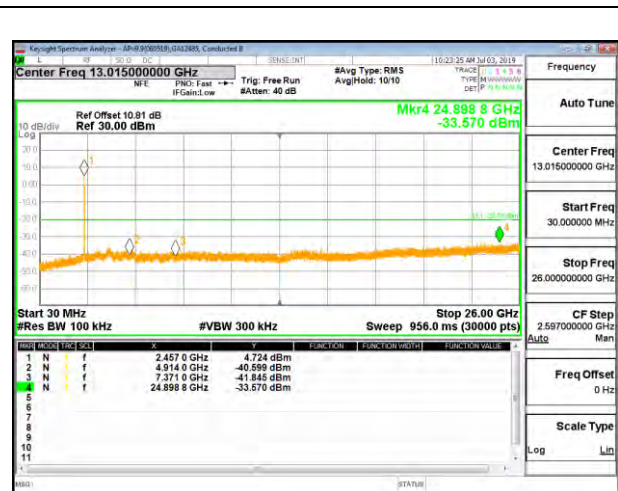
IN-BAND REFERENCE LEVEL CHAIN 2



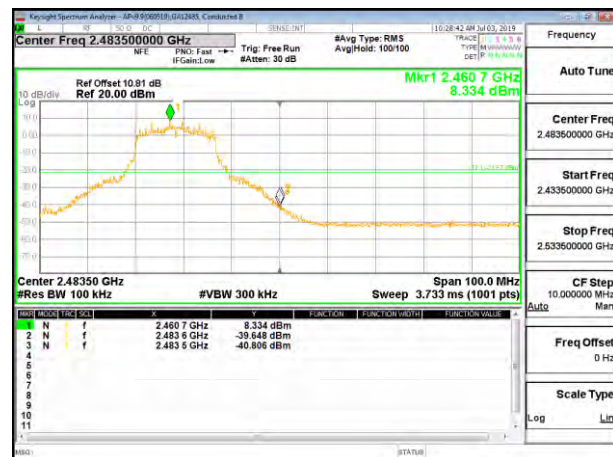
OUT-OF-BAND MID CHANNEL CHAIN 2



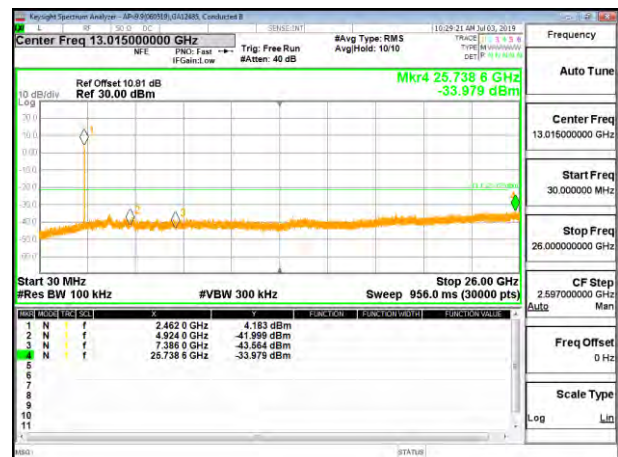
HIGH CHANNEL 10 BANDEDGE CHAIN 2



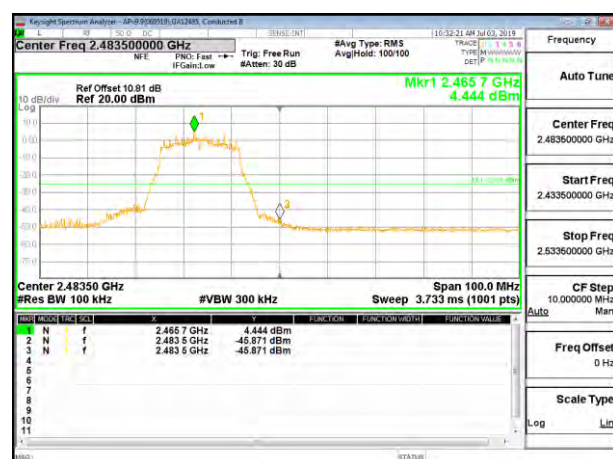
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



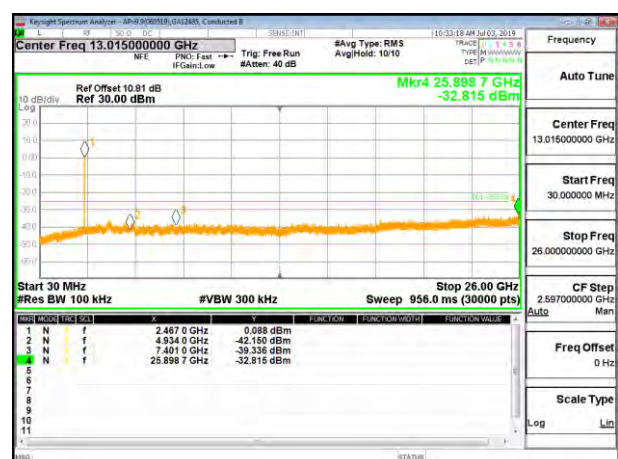
HIGH CHANNEL 11 BANDEDGE CHAIN 2



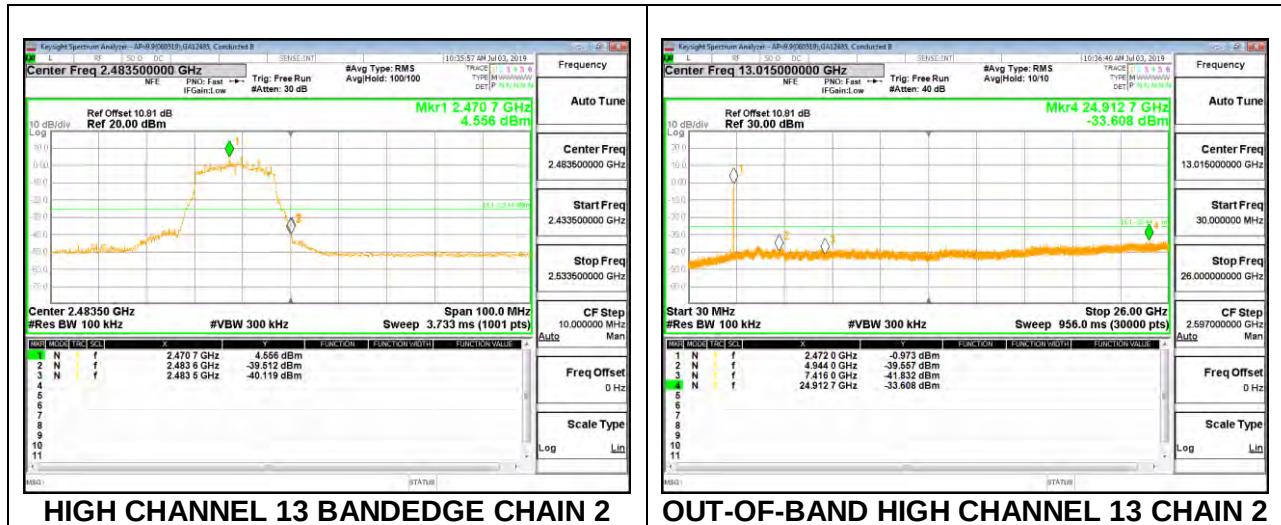
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2



HIGH CHANNEL 12 BANDEDGE CHAIN 2

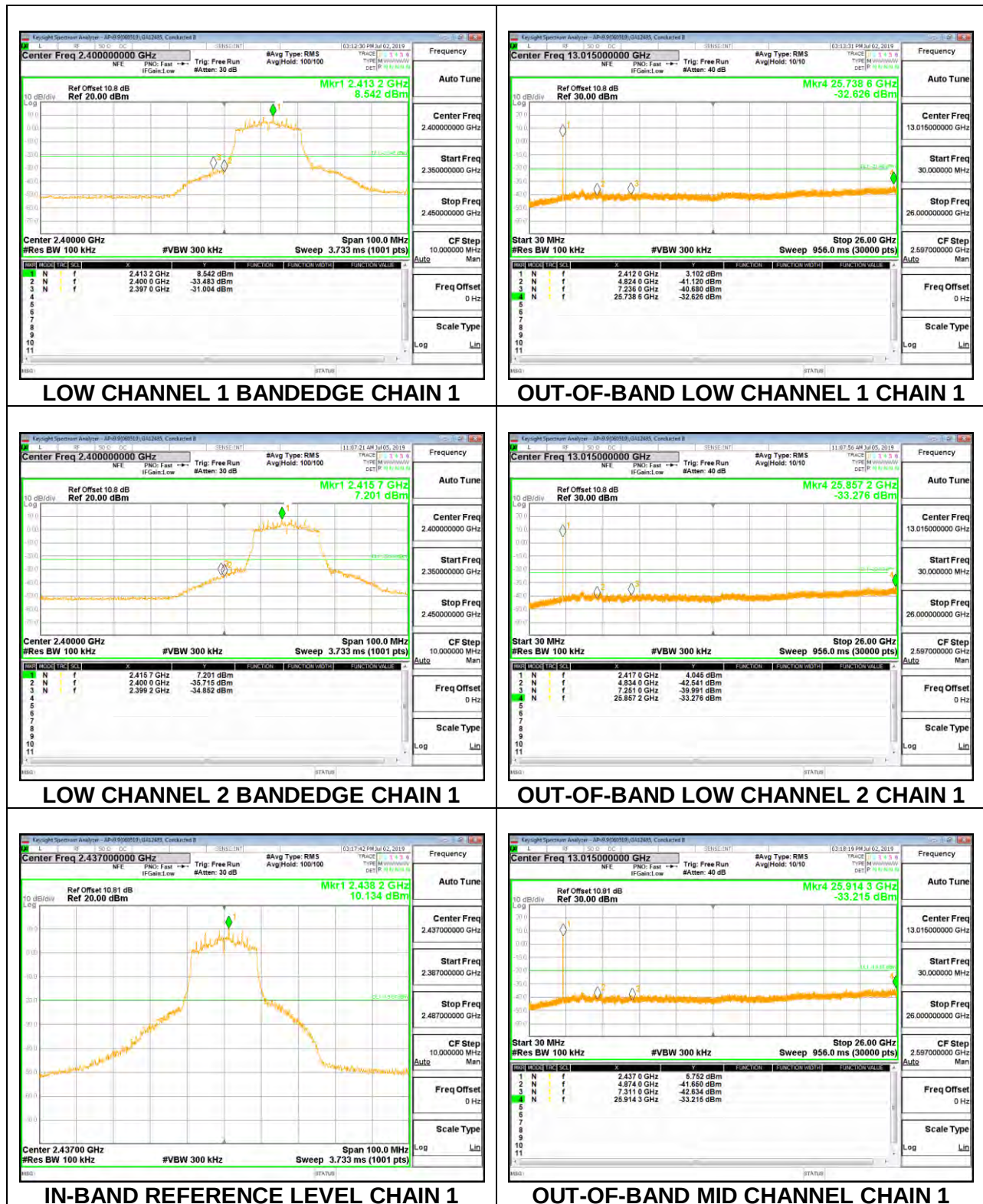


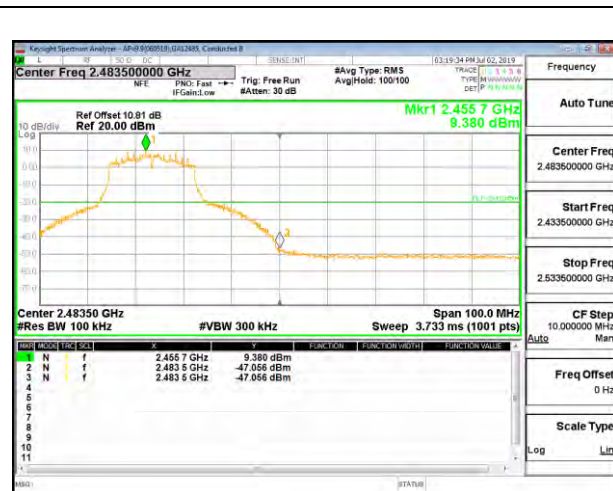
OUT-OF-BAND HIGH CHANNEL 12 CHAIN 2



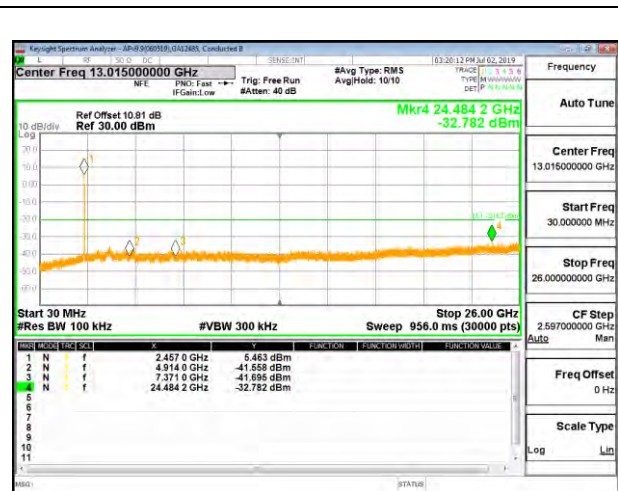
8.6.3. 802.11n HT20 MODE

2TX Chain 1 + Chain 2 CDD MODE

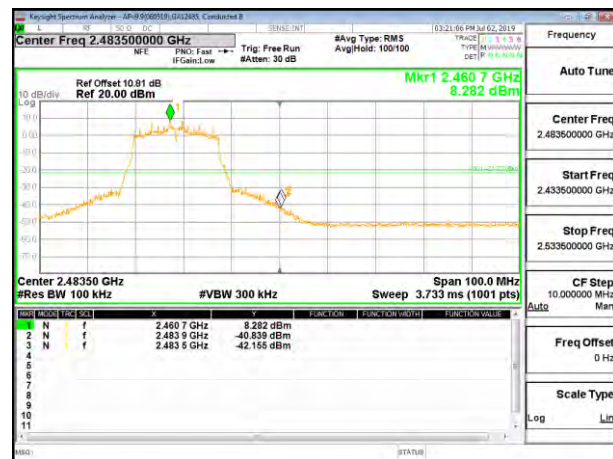




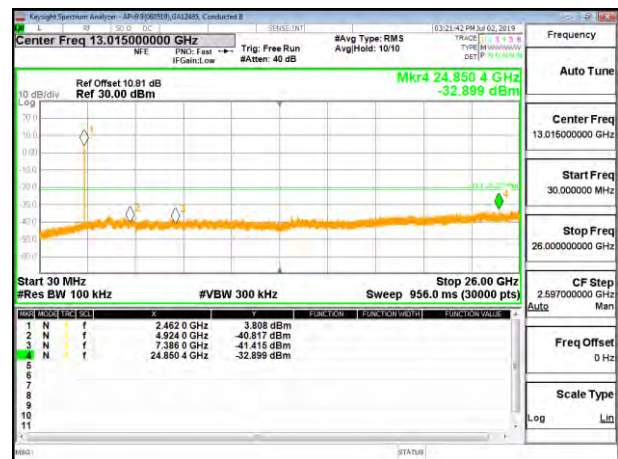
HIGH CHANNEL 10 BANDEDGE CHAIN 1



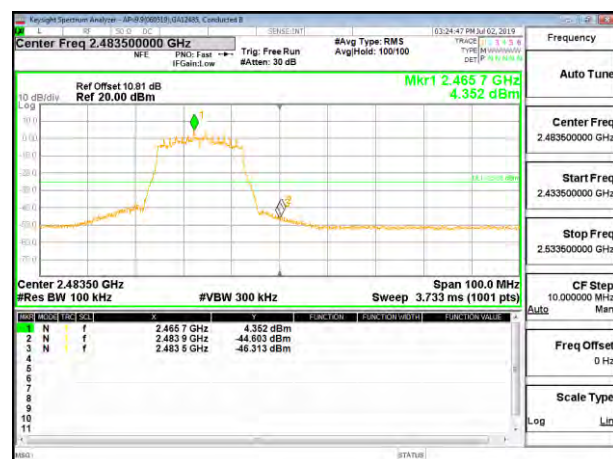
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 1



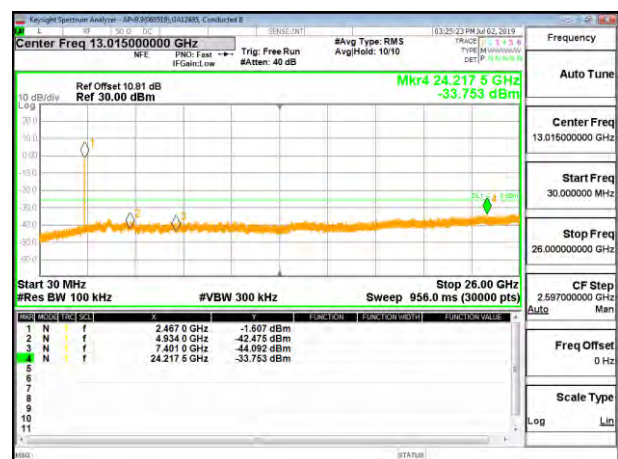
HIGH CHANNEL 11 BANDEDGE CHAIN 1



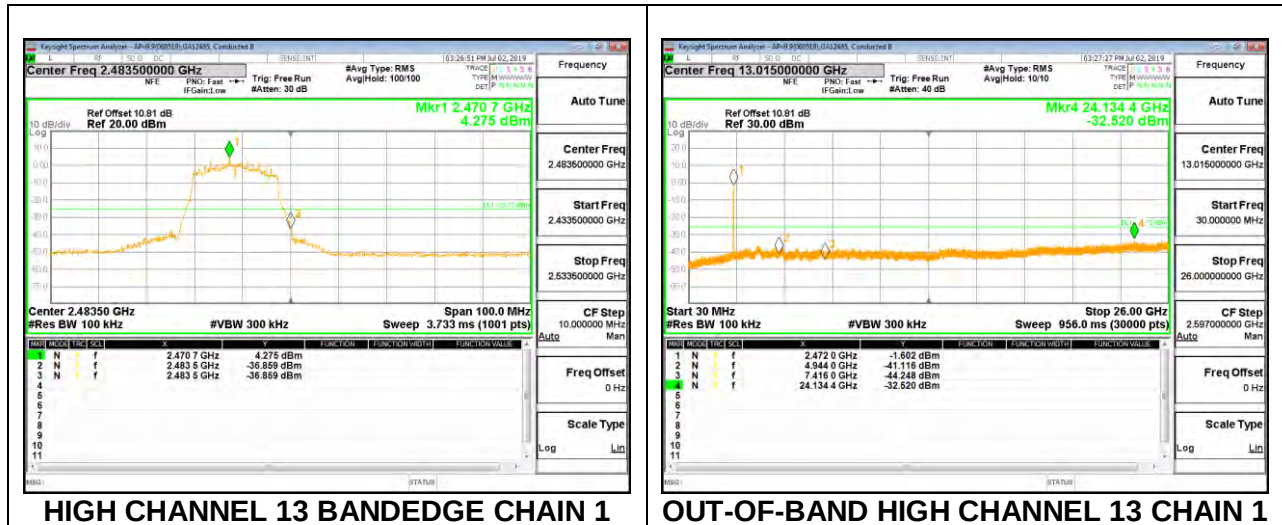
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1

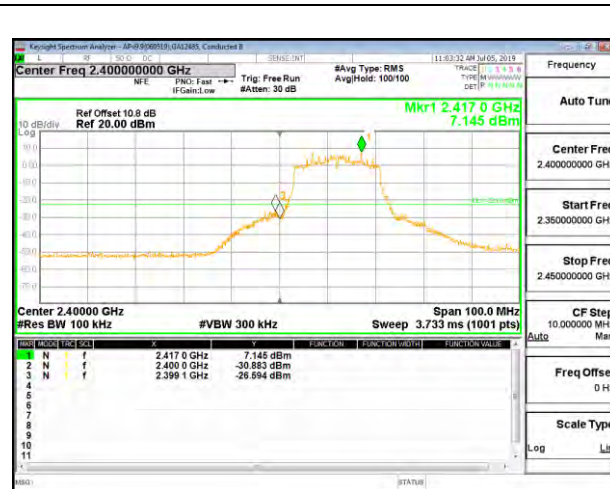


HIGH CHANNEL 12 BANDEDGE CHAIN 1

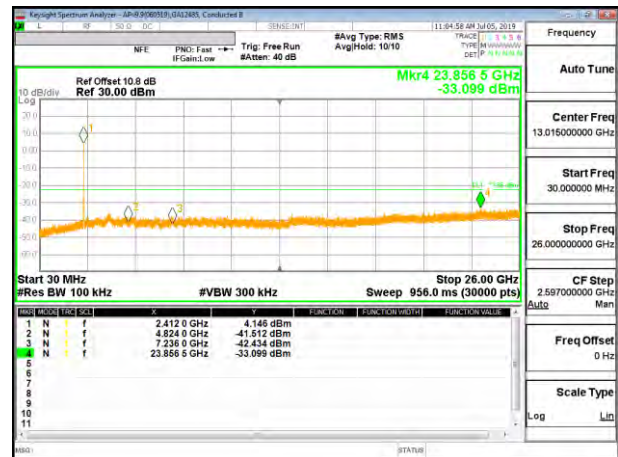


OUT-OF-BAND HIGH CHANNEL 12 CHAIN 1

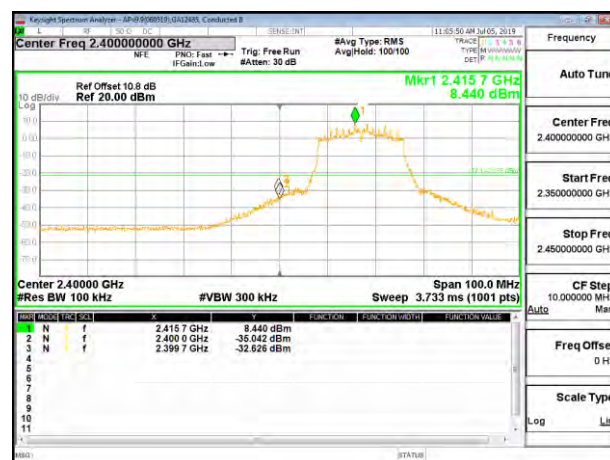




LOW CHANNEL 1 BANDEDGE CHAIN 2



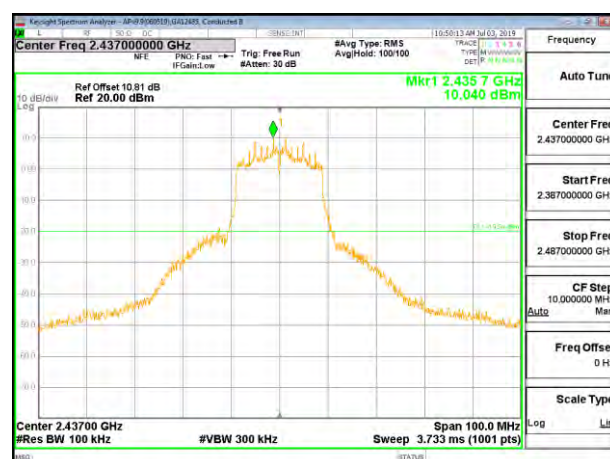
OUT-OF-BAND LOW CHANNEL 1 CHAIN 2



LOW CHANNEL 2 BANDEDGE CHAIN 2



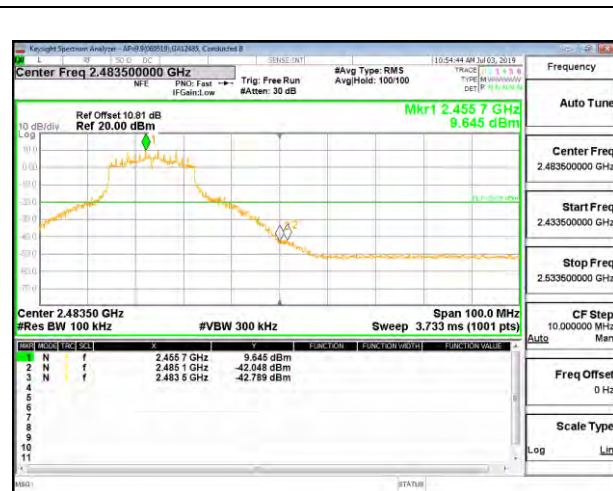
OUT-OF-BAND LOW CHANNEL 2 CHAIN 2



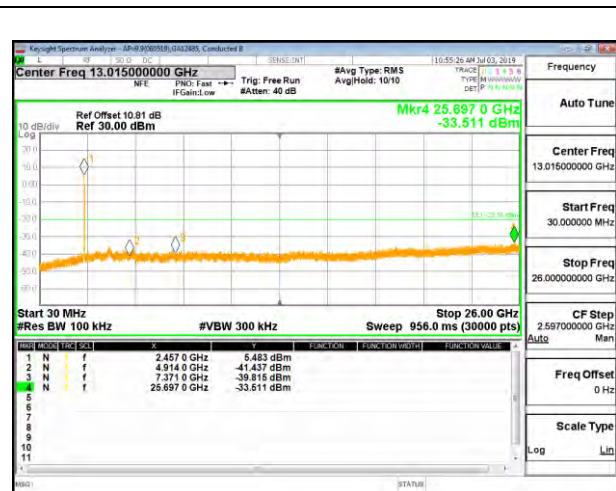
IN-BAND REFERENCE LEVEL CHAIN 2



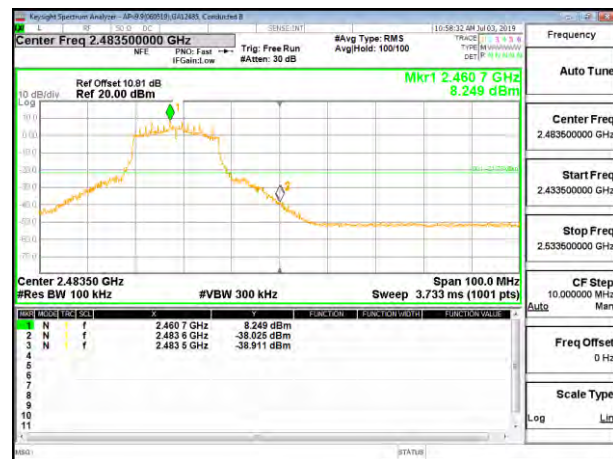
OUT-OF-BAND MID CHANNEL CHAIN 2



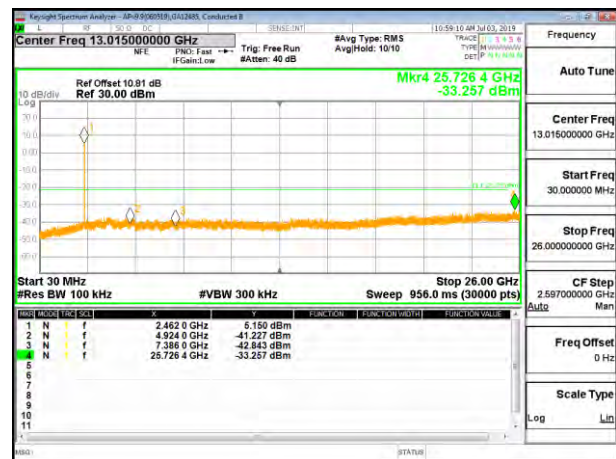
HIGH CHANNEL 10 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



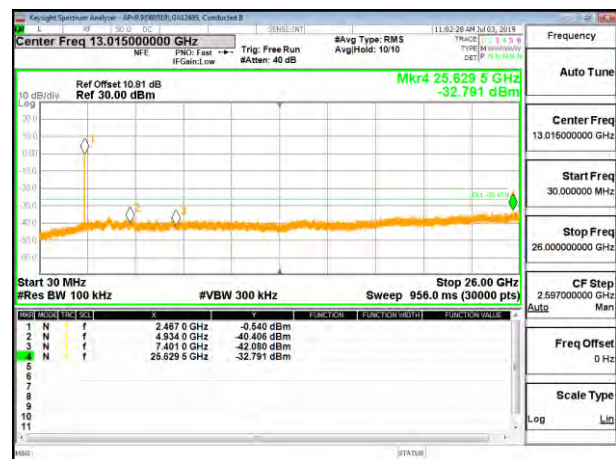
HIGH CHANNEL 11 BANDEDGE CHAIN 2



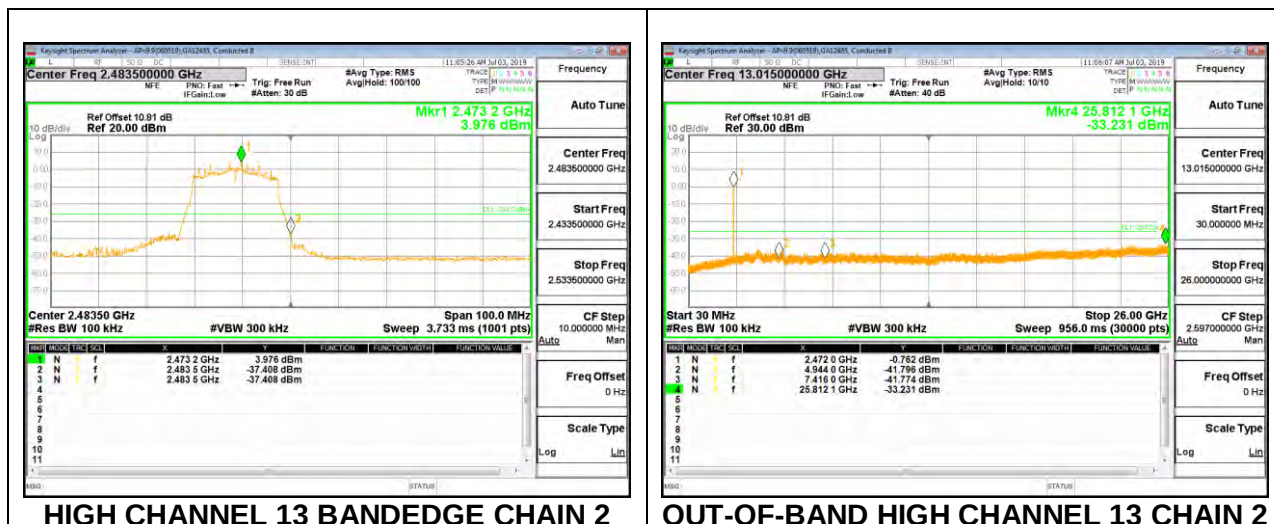
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2



HIGH CHANNEL 12 BANDEDGE CHAIN 2

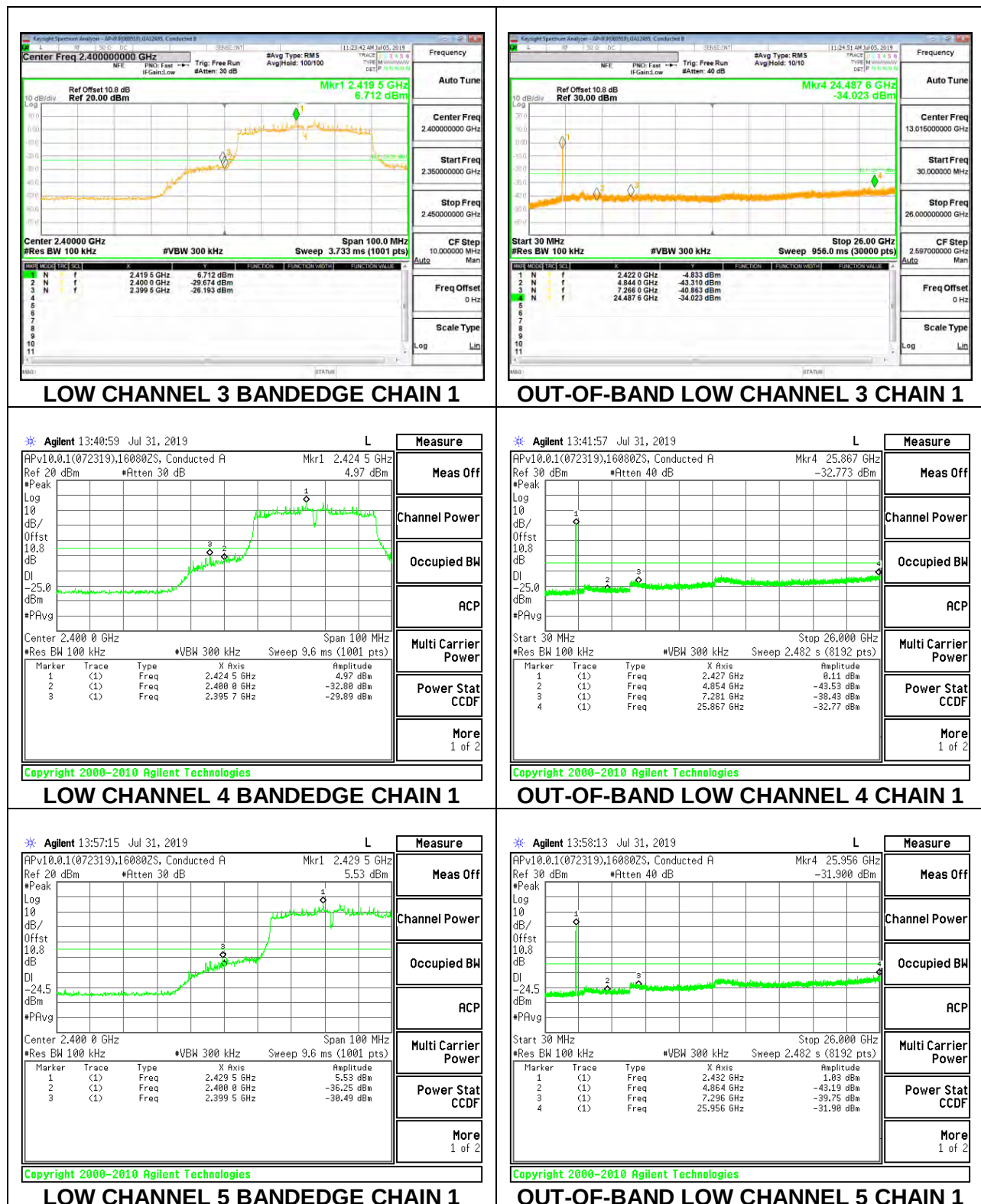


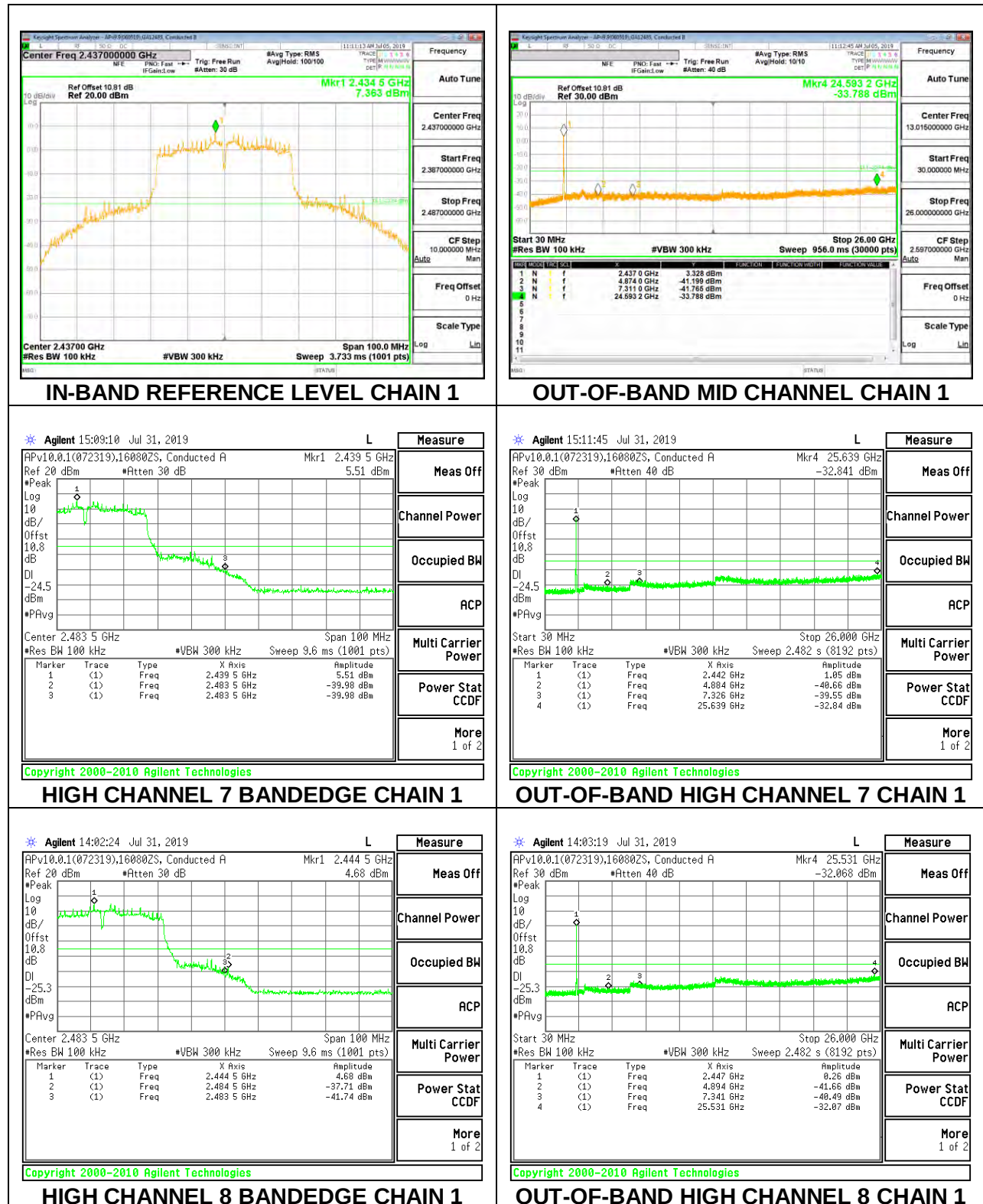
OUT-OF-BAND HIGH CHANNEL 12 CHAIN 2

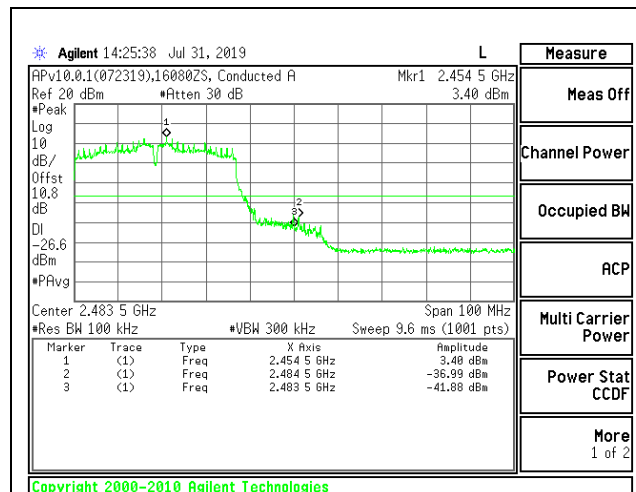


8.6.4. 802.11n HT40 MODE

2TX Chain 1 + Chain 2 CDD MODE

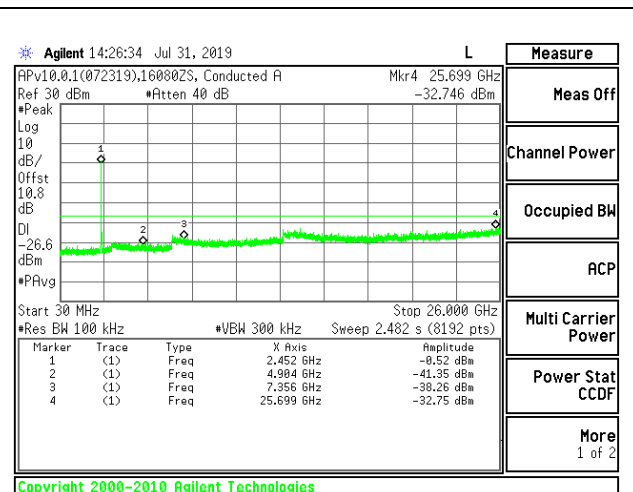






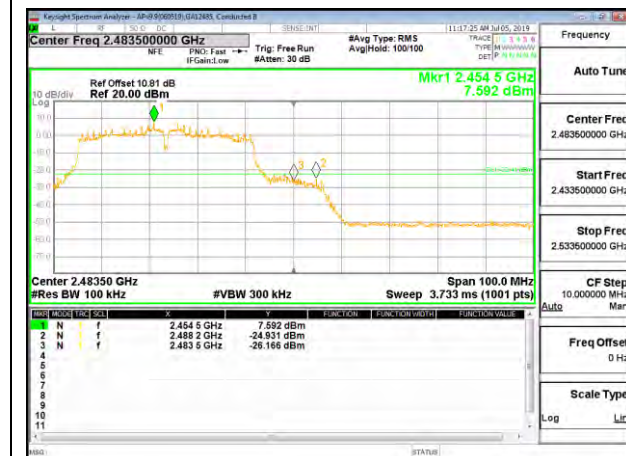
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HIGH CHANNEL 9 BANDEDGE CHAIN 1



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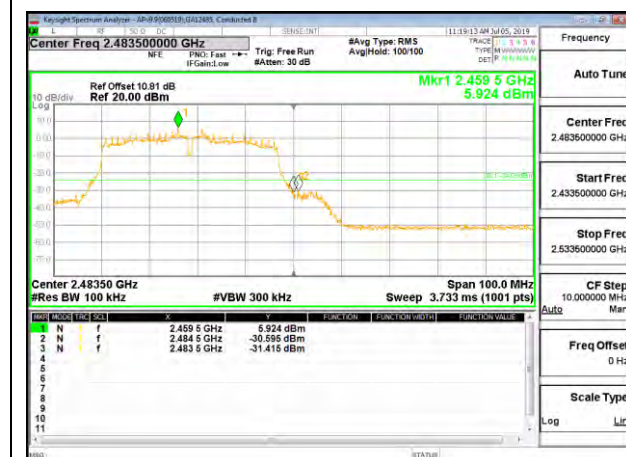
OUT-OF-BAND HIGH CHANNEL 9 CHAIN 1



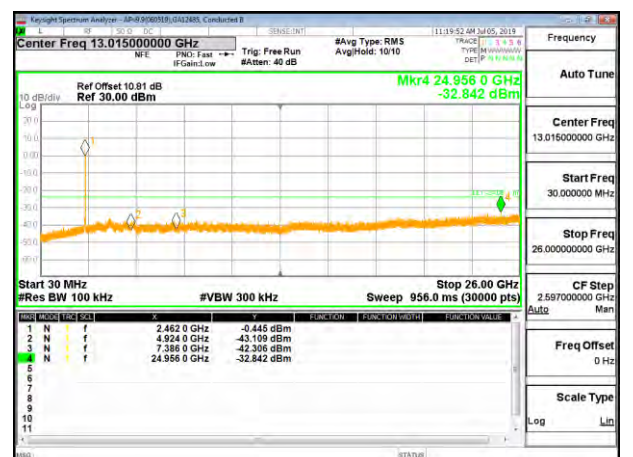
HIGH CHANNEL 10 BANDEDGE CHAIN 1



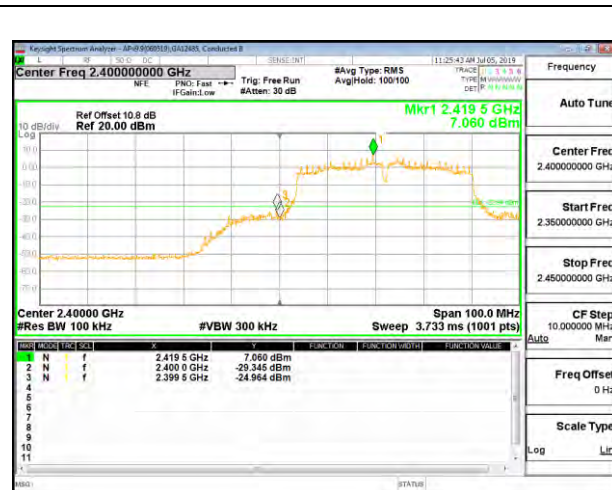
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 1



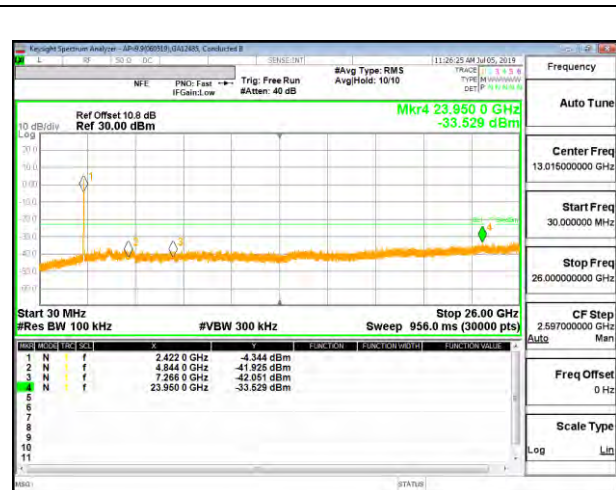
HIGH CHANNEL 11 BANDEDGE CHAIN 1



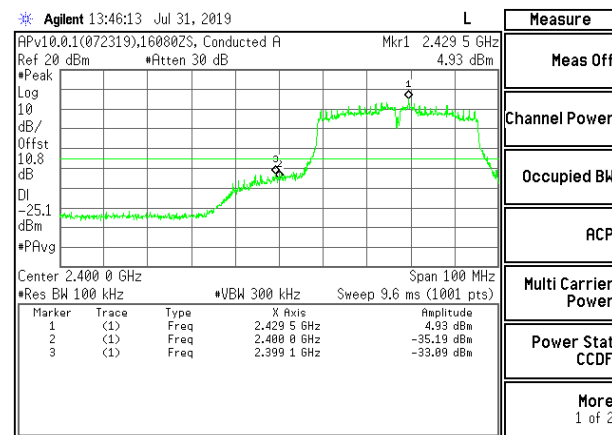
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1



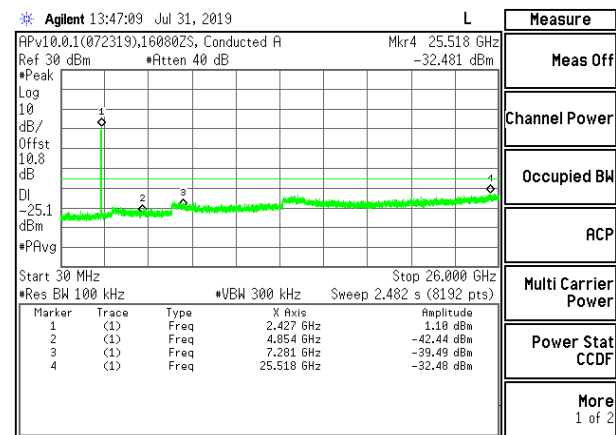
LOW CHANNEL 3 BANDEDGE CHAIN 2



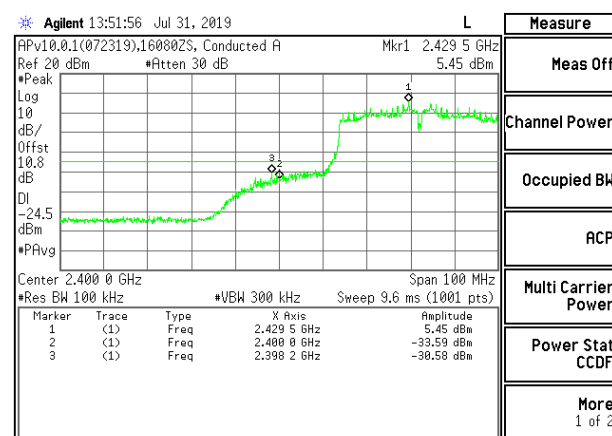
OUT-OF-BAND LOW CHANNEL 3 CHAIN 2



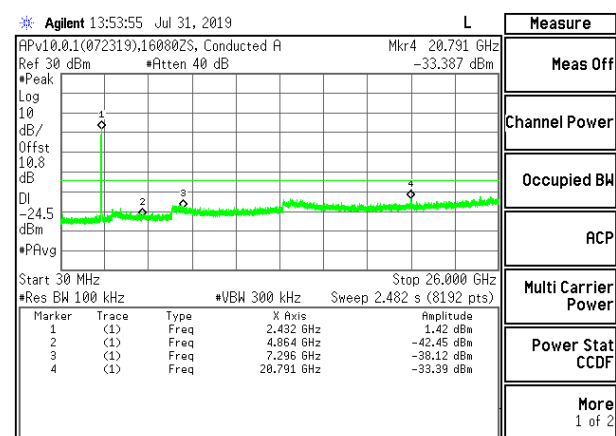
LOW CHANNEL 4 BANDEDGE CHAIN 2



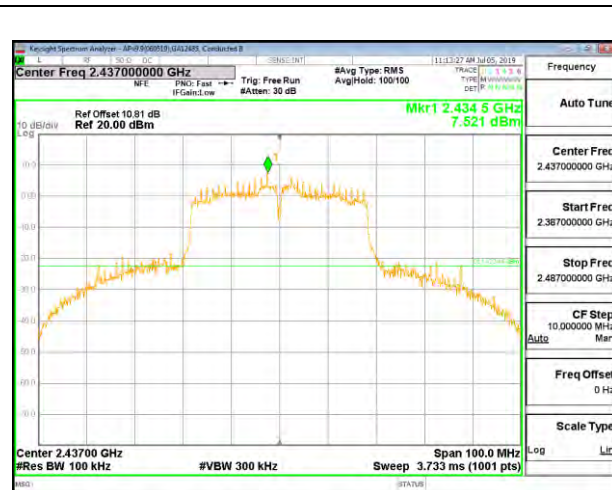
OUT-OF-BAND LOW CHANNEL 4 CHAIN 2



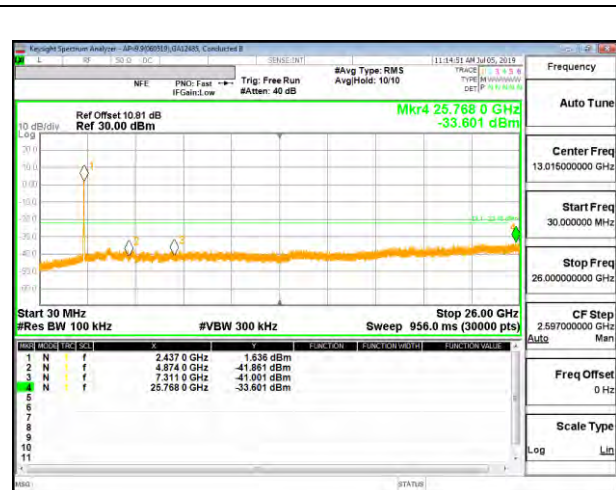
LOW CHANNEL 5 BANDEDGE CHAIN 2



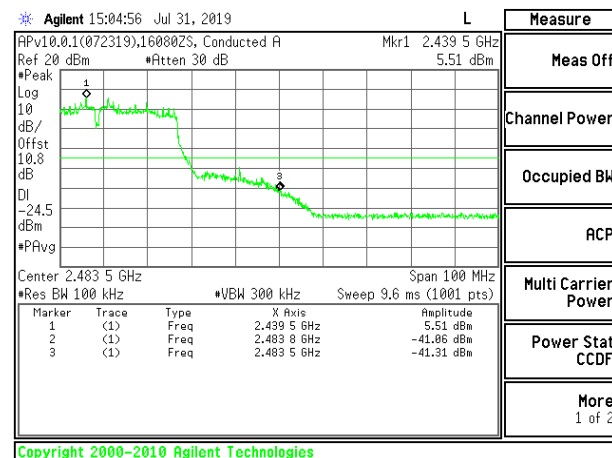
OUT-OF-BAND LOW CHANNEL 5 CHAIN 2



IN-BAND REFERENCE LEVEL CHAIN 2

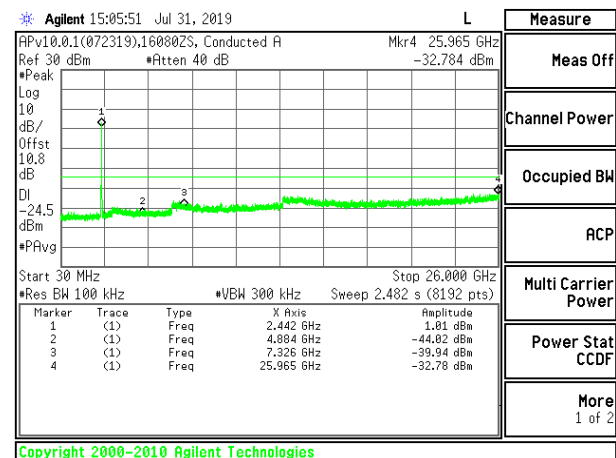


OUT-OF-BAND MID CHANNEL CHAIN 2



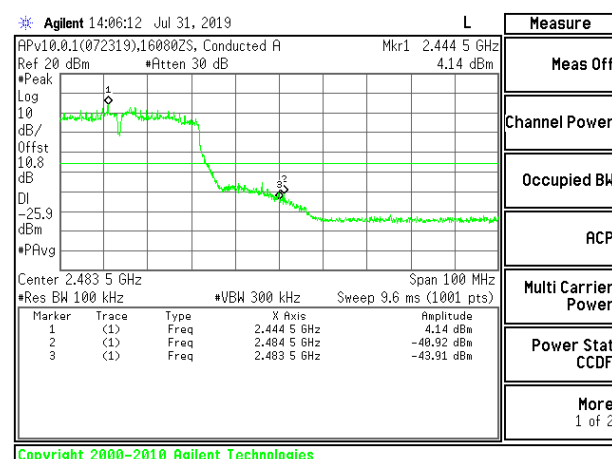
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HIGH CHANNEL 7 BANDEDGE CHAIN 2



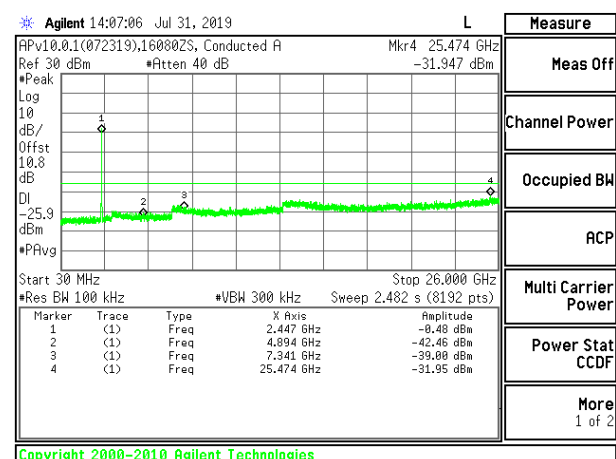
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OUT-OF-BAND HIGH CHANNEL 7 CHAIN 2



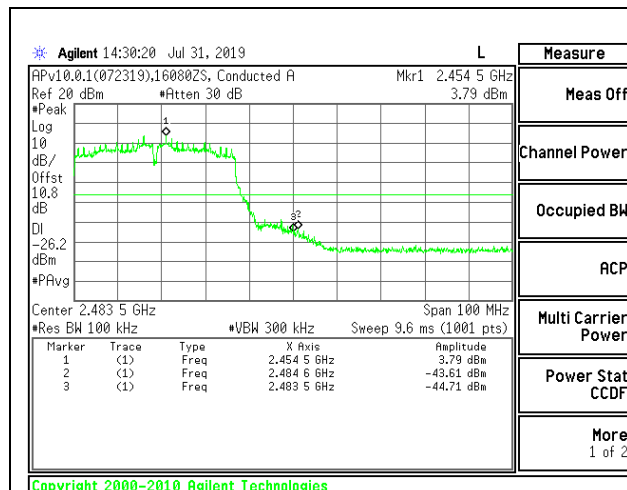
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HIGH CHANNEL 8 BANDEDGE CHAIN 2

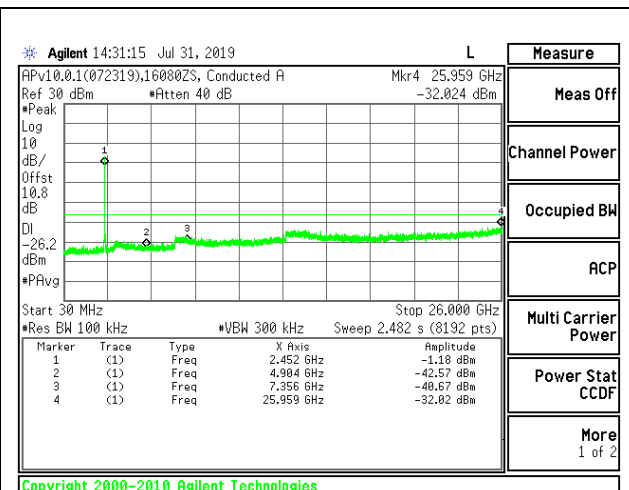


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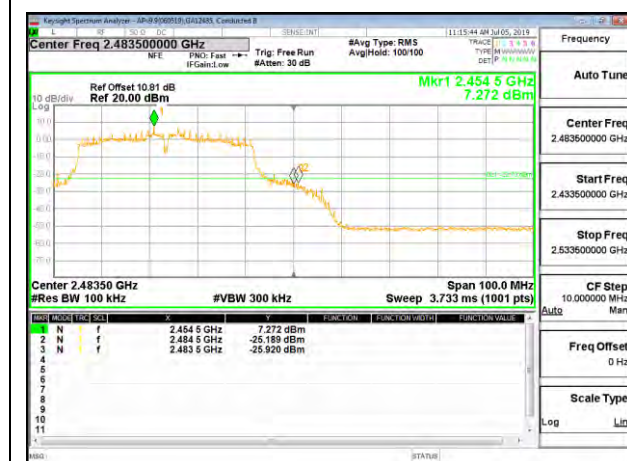
OUT-OF-BAND HIGH CHANNEL 8 CHAIN 2



HIGH CHANNEL 9 BANDEDGE CHAIN 2



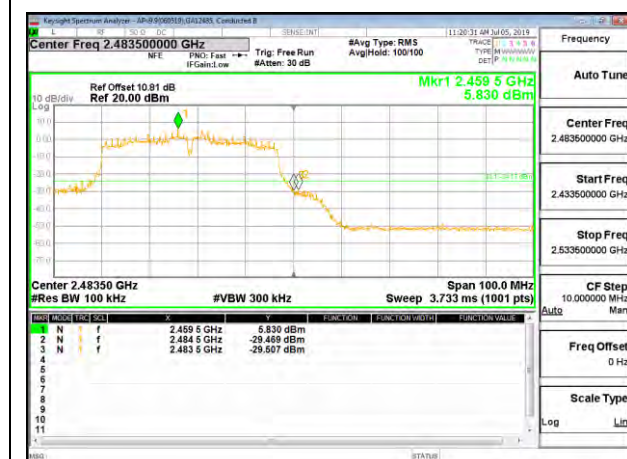
OUT-OF-BAND HIGH CHANNEL 9 CHAIN 2



HIGH CHANNEL 10 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



HIGH CHANNEL 11 BANDEDGE CHAIN 2



OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 30Mhz, below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.