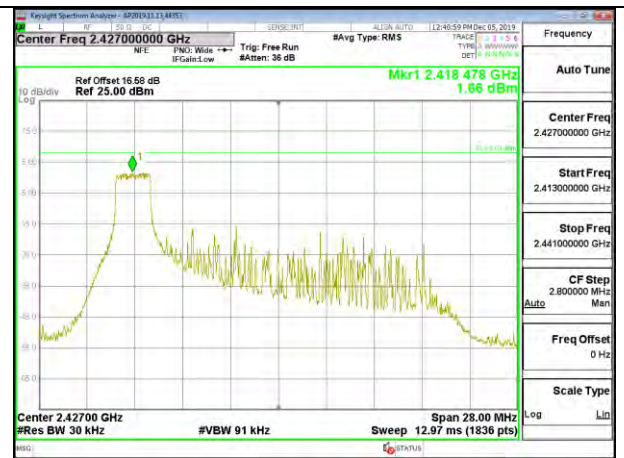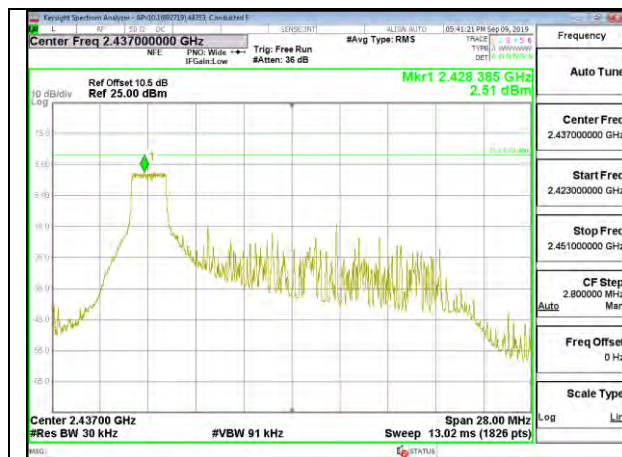**LOW CHANNEL 4 UAT 1**
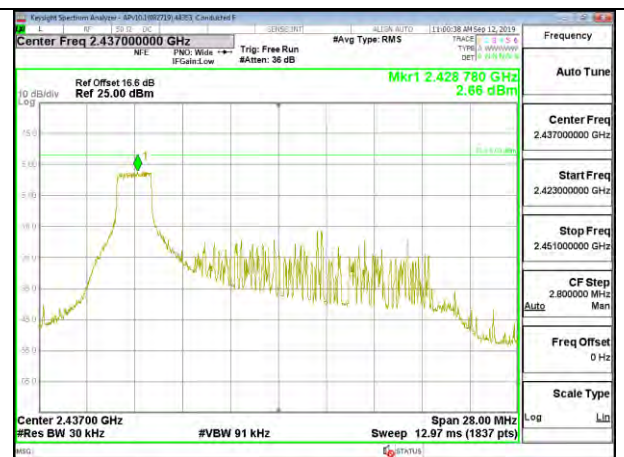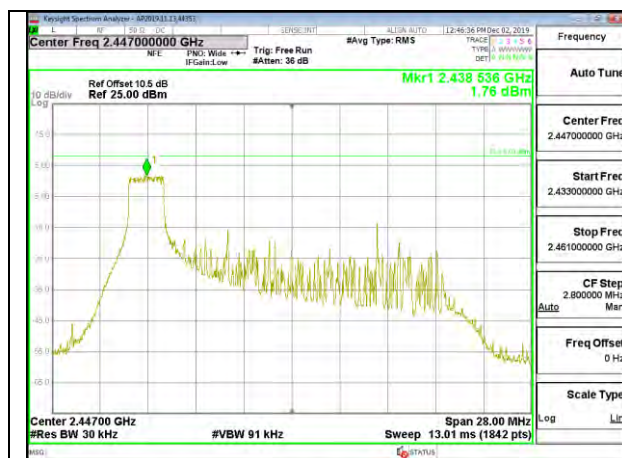

LOW CHANNEL 4 LAT 3

MID CHANNEL 6 UAT 1

MID CHANNEL 6 LAT 3

HIGH CHANNEL 8 UAT 1

HIGH CHANNEL 8 LAT 3

HIGH CHANNEL 9 UAT 1

HIGH CHANNEL 9 LAT 3

HIGH CHANNEL 10 UAT 1

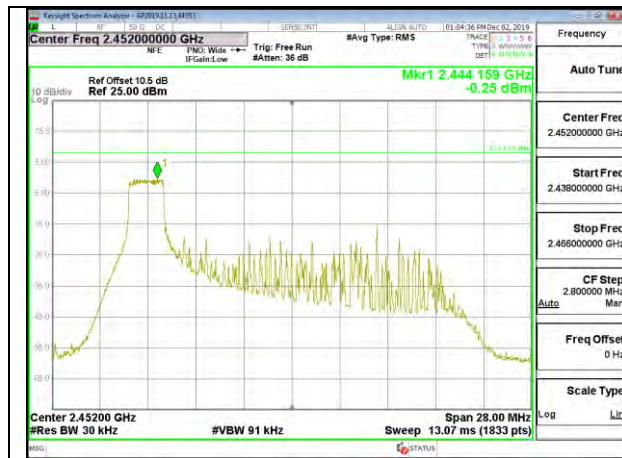**HIGH CHANNEL 10 LAT 3**

HIGH CHANNEL 11 UAT 1

HIGH CHANNEL 11 LAT 3
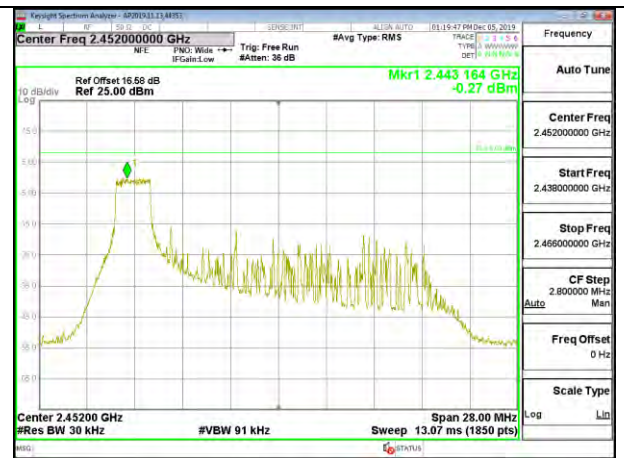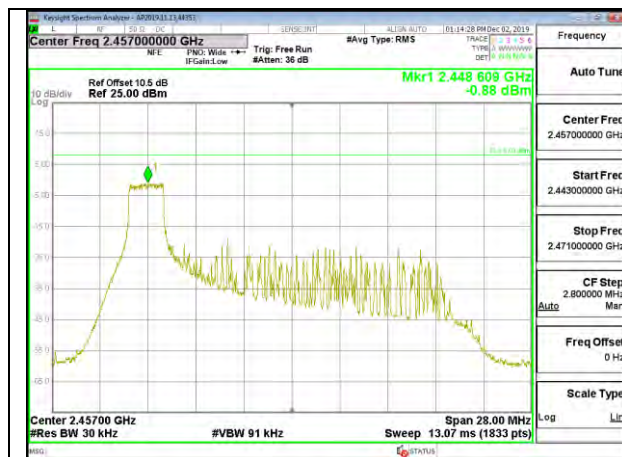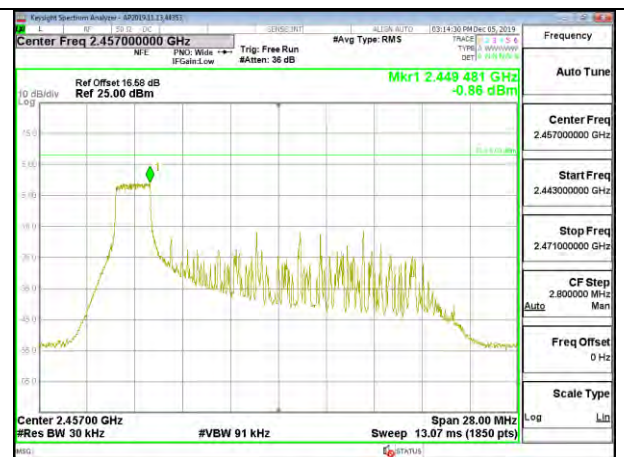
HIGH CHANNEL 12 UAT 1

HIGH CHANNEL 12 LAT 3

HIGH CHANNEL 13 UAT 1

HIGH CHANNEL 13 LAT 3

UAT1 + LAT3 2TX MODE: 26-Tones, RU Index 4

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency (MHz)	UAT 1 Meas (dBm/ 3kHz)	LAT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-3.42	-3.32	-0.36	8.0	-8.4
Low 2	2417	-0.79	-0.83	2.20	8.0	-5.8
Low 3	2422	-0.28	-0.29	2.73	8.0	-5.3
Low 4	2427	1.78	1.76	4.78	8.0	-3.2
Mid 6	2437	2.59	2.65	5.63	8.0	-2.4
High 8	2447	1.70	1.70	4.71	8.0	-3.3
High 9	2452	-0.36	-0.32	2.67	8.0	-5.3
High 10	2457	-0.84	-0.84	2.17	8.0	-5.8
High 11	2462	-3.32	-3.33	-0.31	8.0	-8.3
High 12	2467	-5.67	-5.65	-2.65	8.0	-10.6
High 13	2472	-17.13	-16.90	-14.00	8.0	-22.0

LOW CHANNEL 1 UAT 1

LOW CHANNEL 1 LAT 3

LOW CHANNEL 2 UAT 1

LOW CHANNEL 2 LAT 3

LOW CHANNEL 3 UAT 1

LOW CHANNEL 3 LAT 3

LOW CHANNEL 4 UAT 1

LOW CHANNEL 4 LAT 3

MID CHANNEL 6 UAT 1

MID CHANNEL 6 LAT 3

HIGH CHANNEL 8 UAT 1
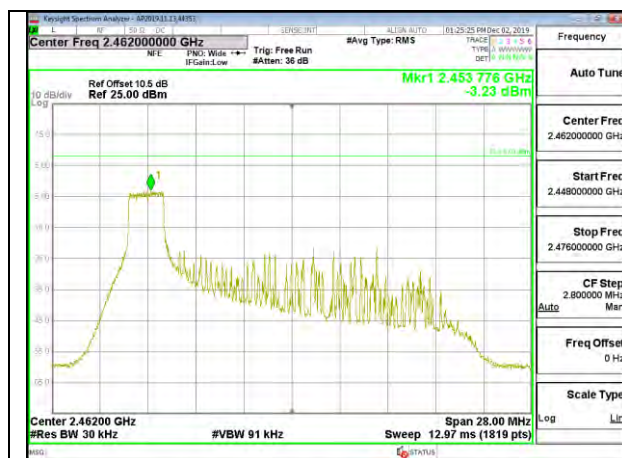

HIGH CHANNEL 8 LAT 3

HIGH CHANNEL 9 UAT 1

HIGH CHANNEL 9 LAT 3
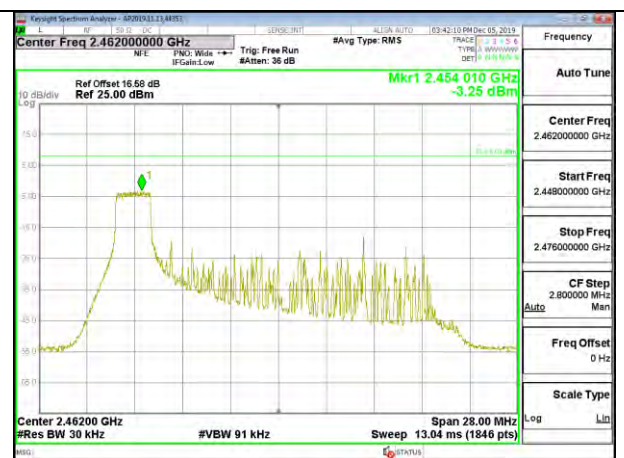

HIGH CHANNEL 10 UAT 1
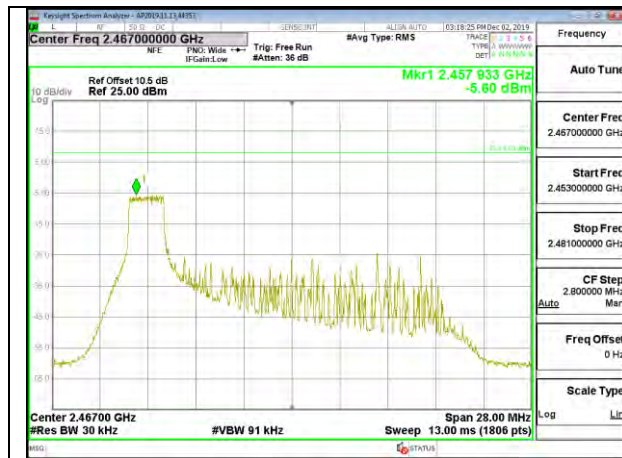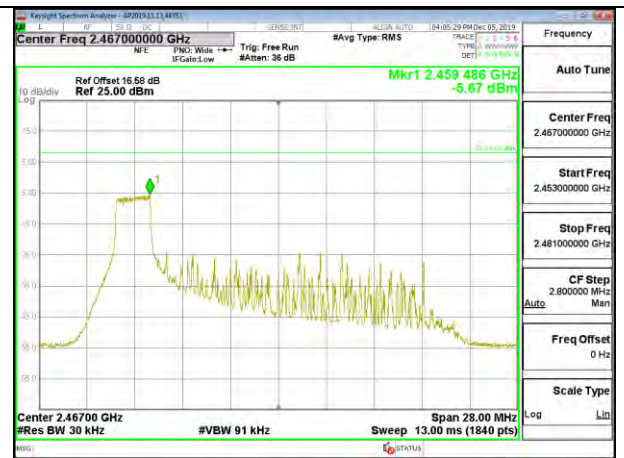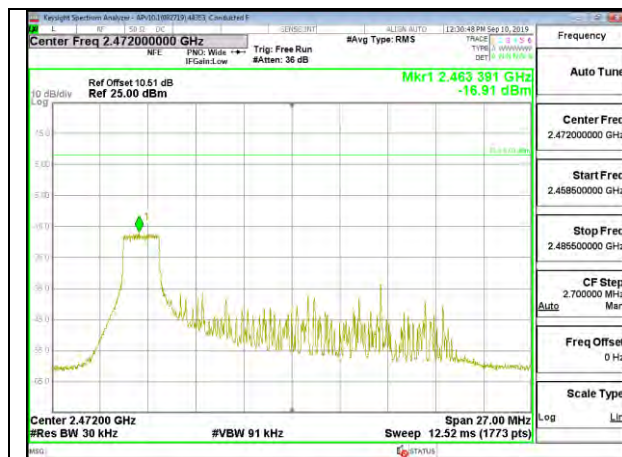

HIGH CHANNEL 10 LAT 3
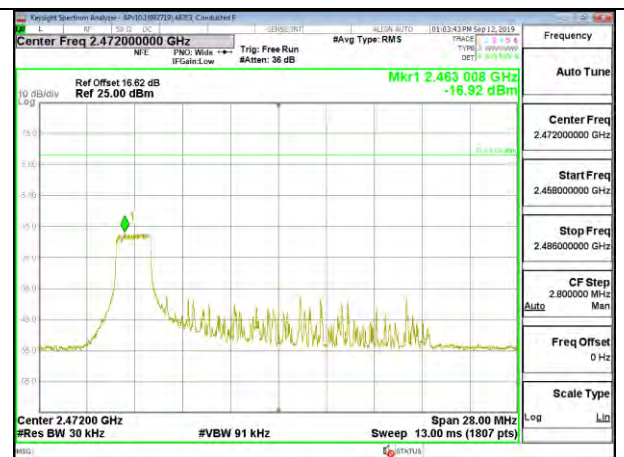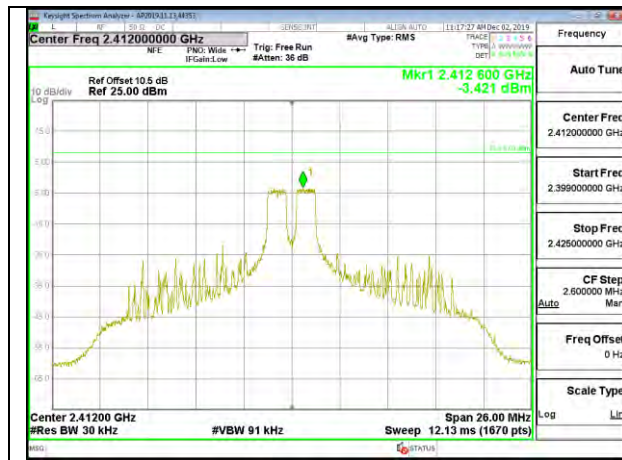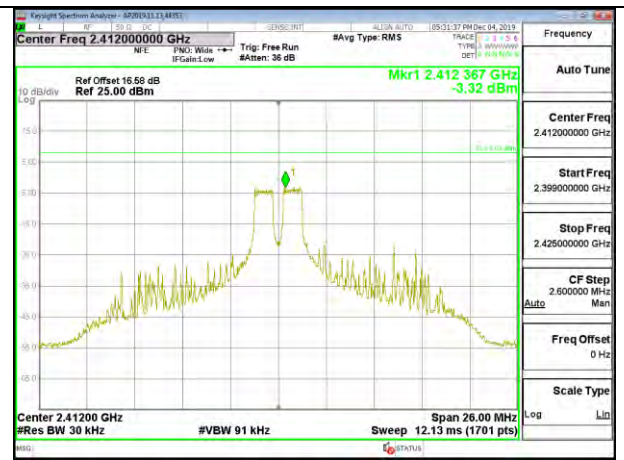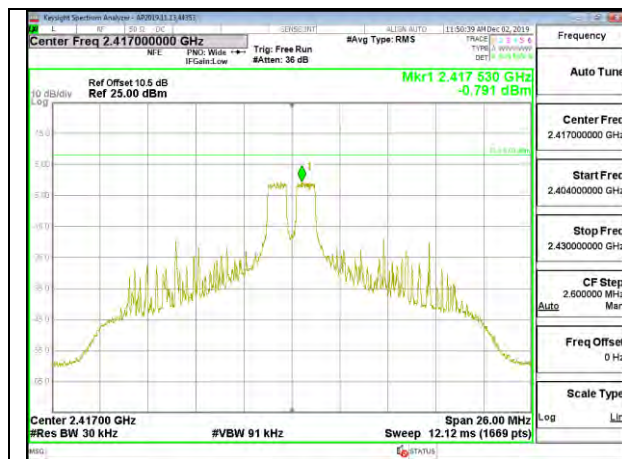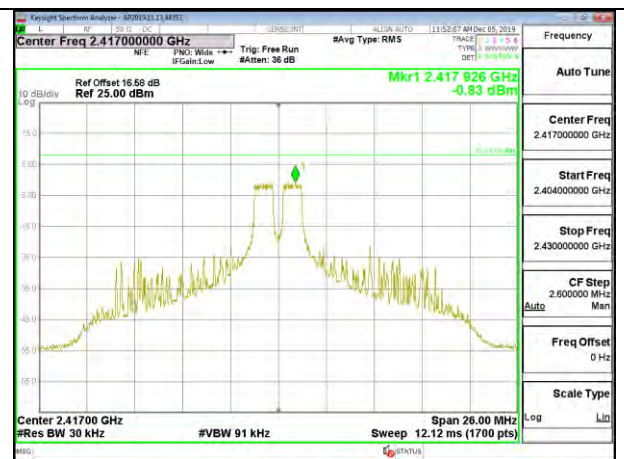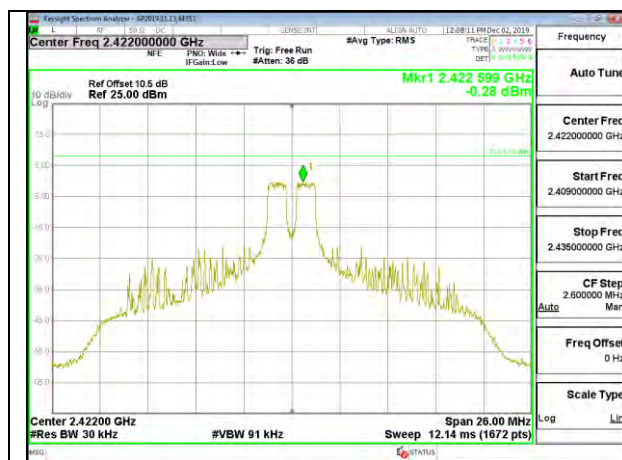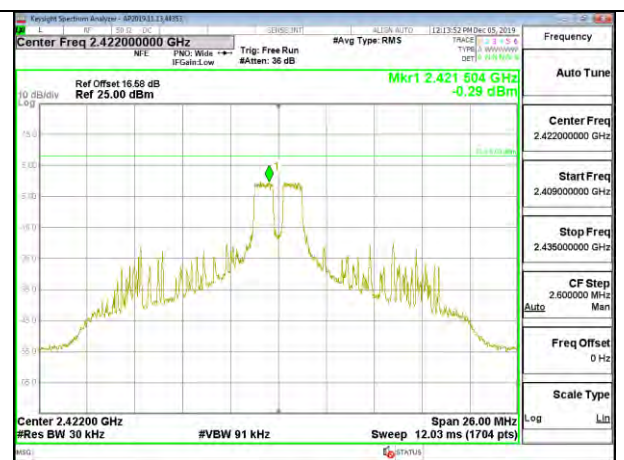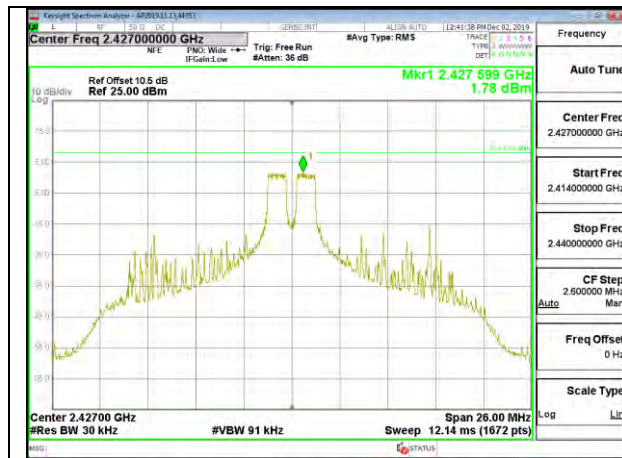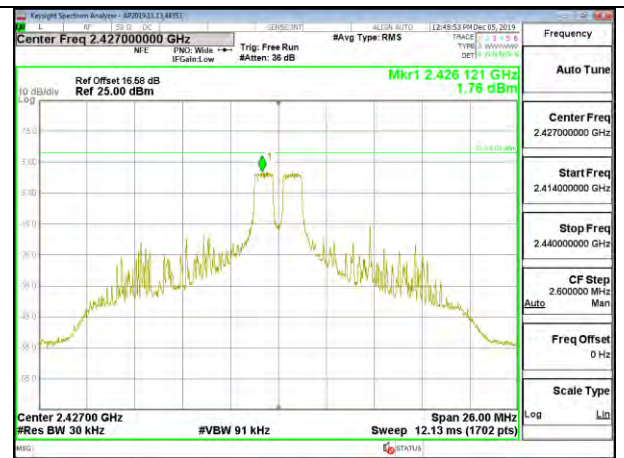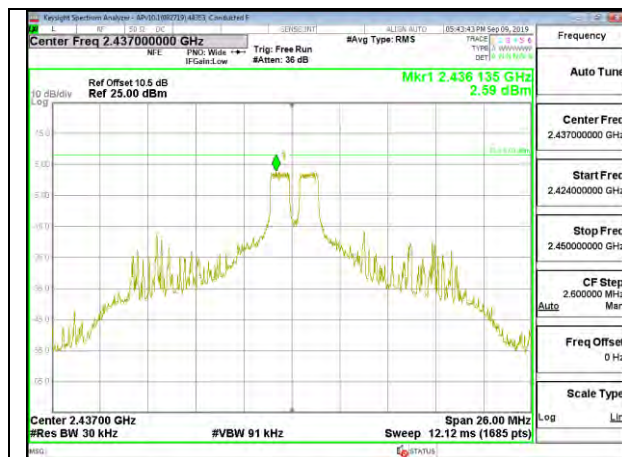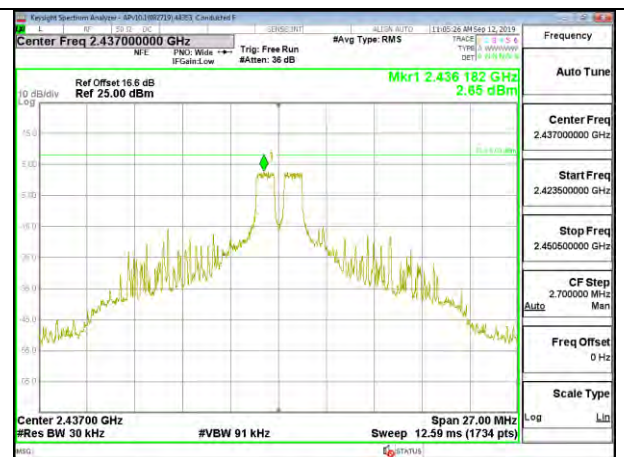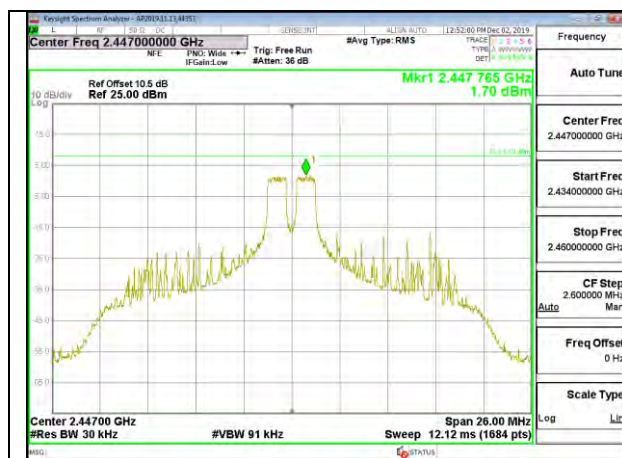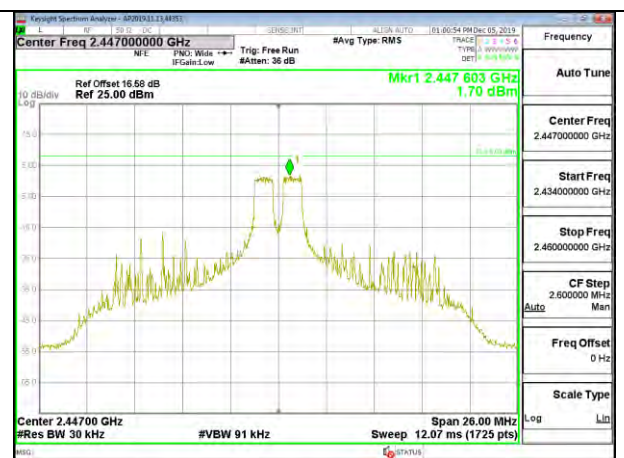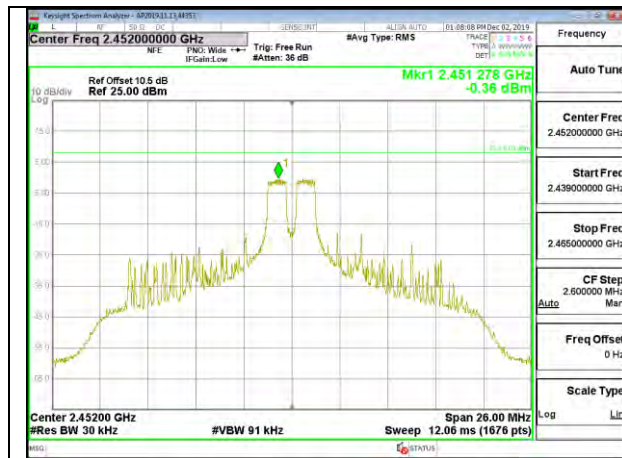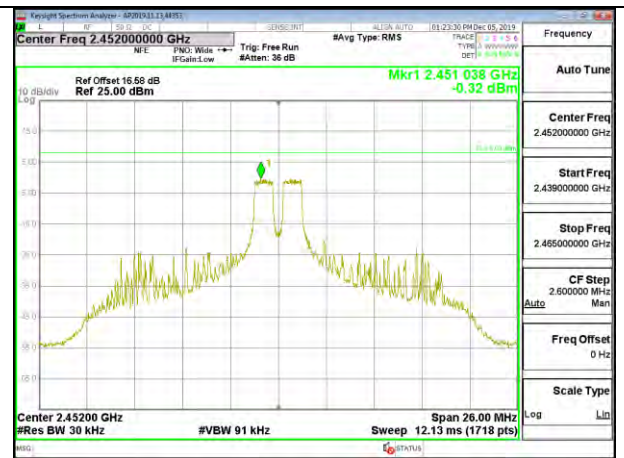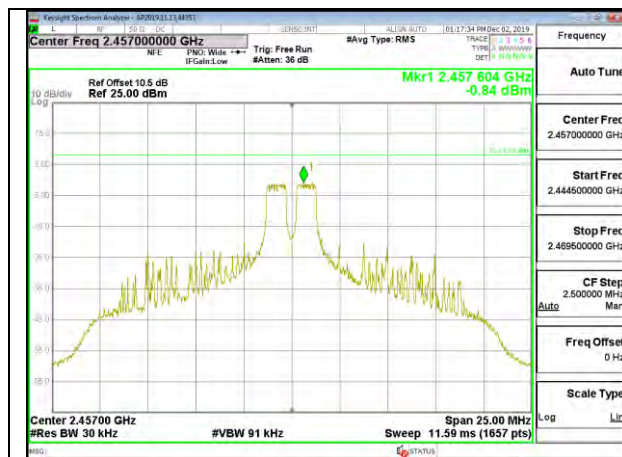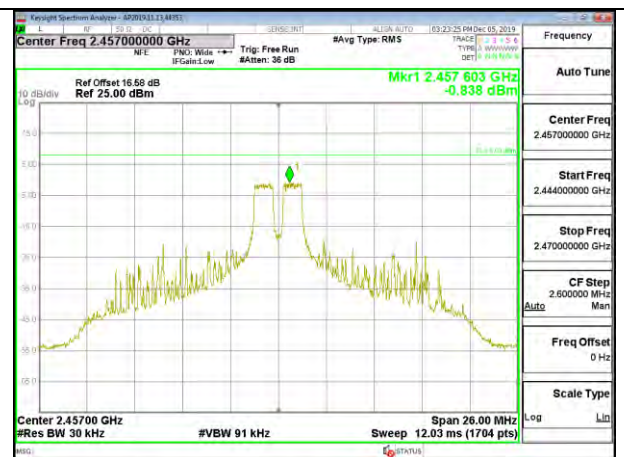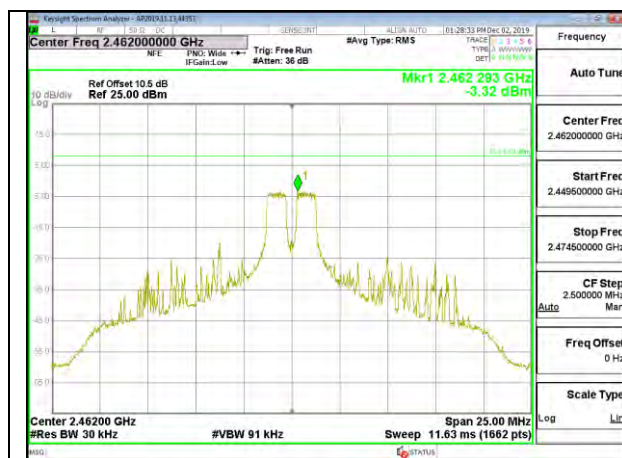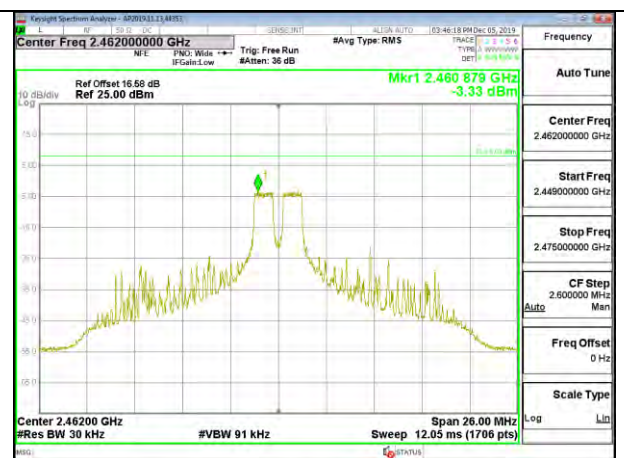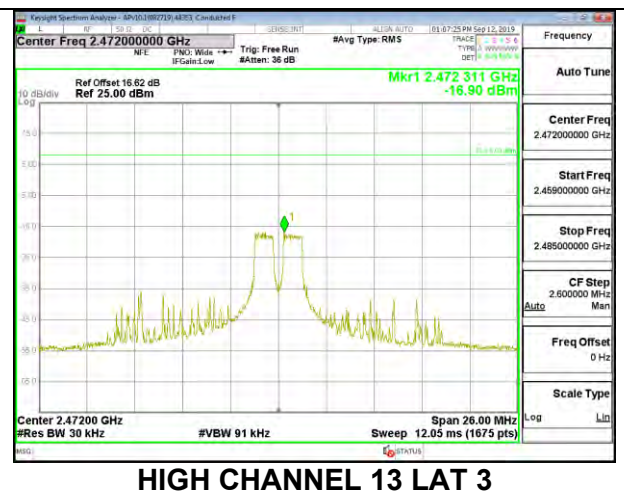

HIGH CHANNEL 11 UAT 1

HIGH CHANNEL 11 LAT 3
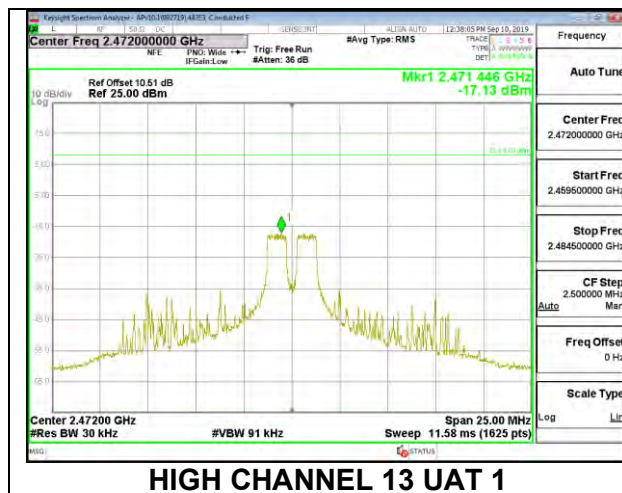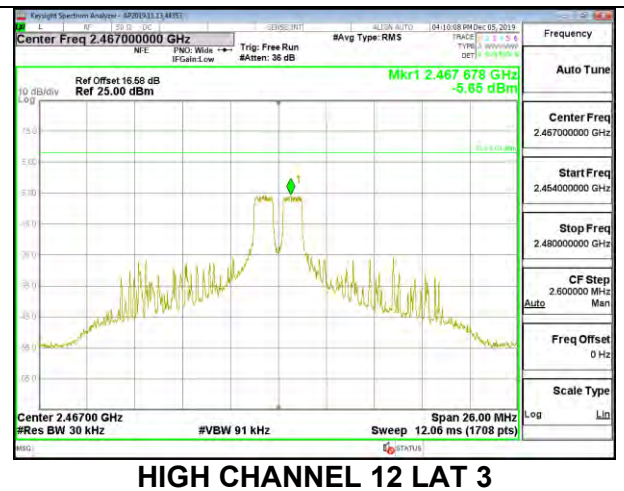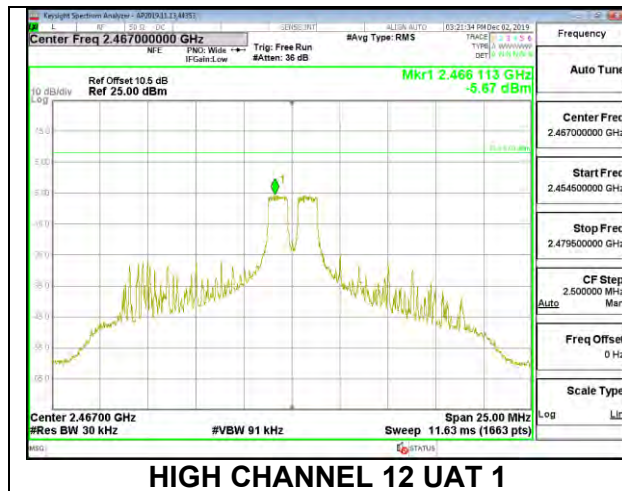
HIGH CHANNEL 12 UAT 1

HIGH CHANNEL 12 LAT 3
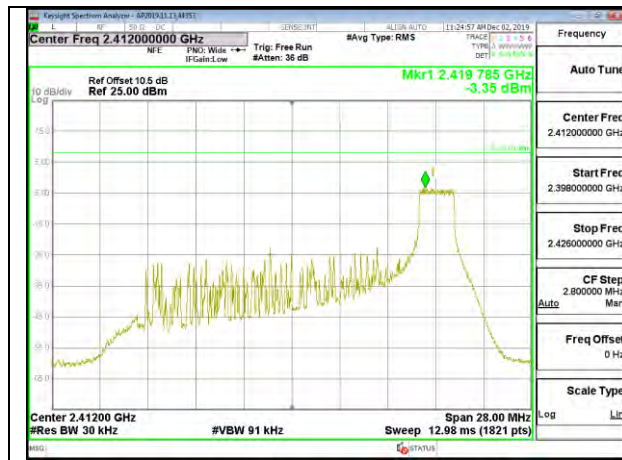

HIGH CHANNEL 13 UAT 1

HIGH CHANNEL 13 LAT 3

UAT1 + LAT3 2TX MODE: 26-Tones, RU Index 8

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

PSD Results

| Channel	Frequency (MHz)	UAT 1 Meas (dBm/ 3kHz)	LAT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-3.35	-3.31	-0.32	8.0	-8.3
Low 2	2417	-0.79	-0.90	2.17	8.0	-5.8
Low 3	2422	-0.33	-0.39	2.65	8.0	-5.3
Low 4	2427	1.77	1.71	4.75	8.0	-3.2
Mid 6	2437	2.55	2.49	5.53	8.0	-2.5
High 8	2447	1.80	1.76	4.79	8.0	-3.2
High 9	2452	-0.33	-0.26	2.72	8.0	-5.3
High 10	2457	-0.90	-0.76	2.18	8.0	-5.8
High 11	2462	-3.26	-3.40	-0.32	8.0	-8.3
High 12	2467	-5.71	-5.88	-2.78	8.0	-10.8
High 13	2472	-17.34	-17.04	-14.18	8.0	-22.2

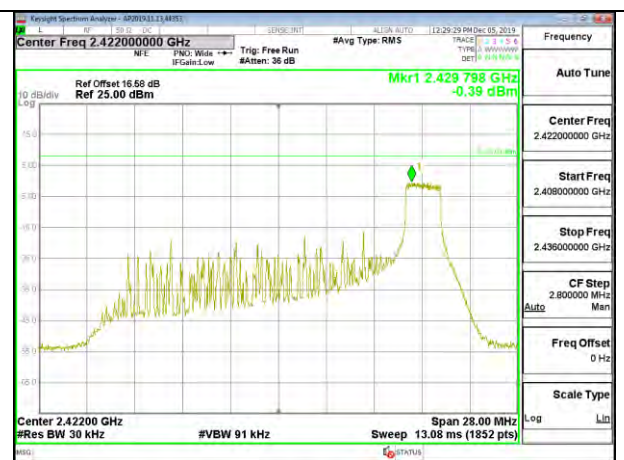**LOW CHANNEL 1 UAT 1**
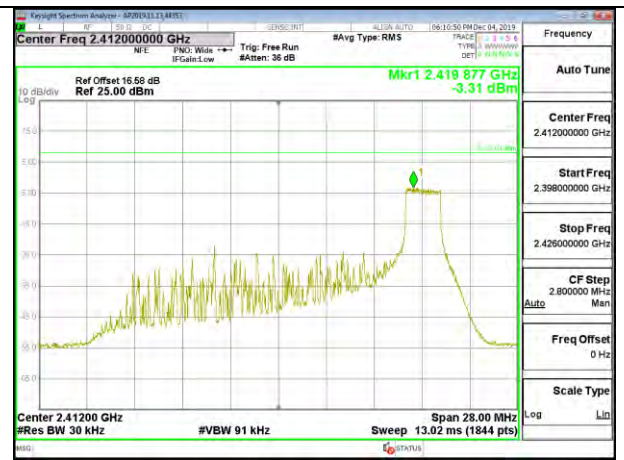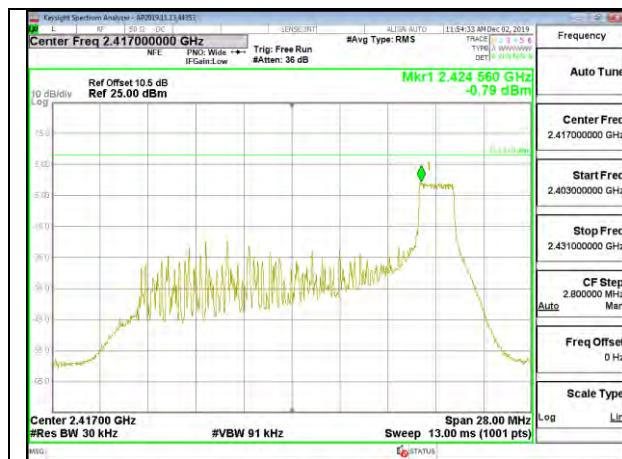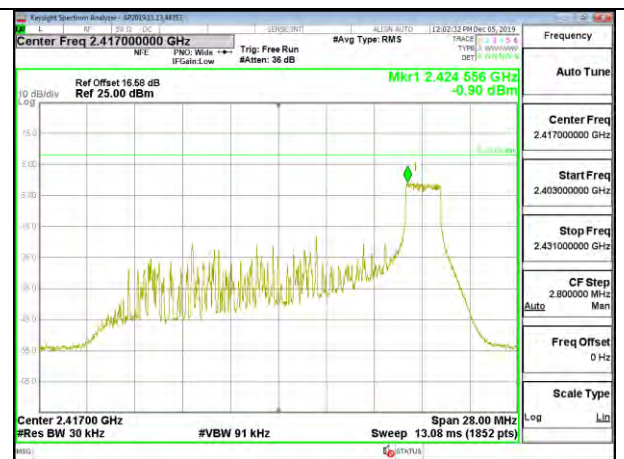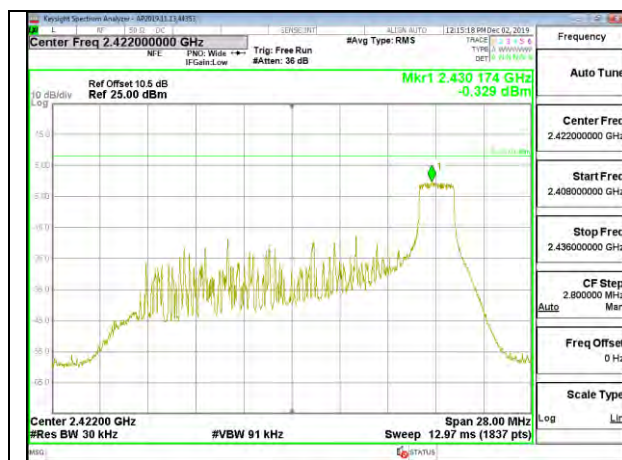
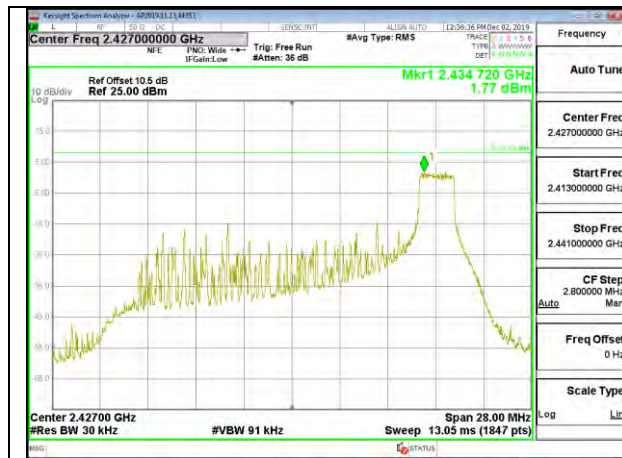**LOW CHANNEL 1 LAT 3**

LOW CHANNEL 2 UAT 1

LOW CHANNEL 2 LAT 3

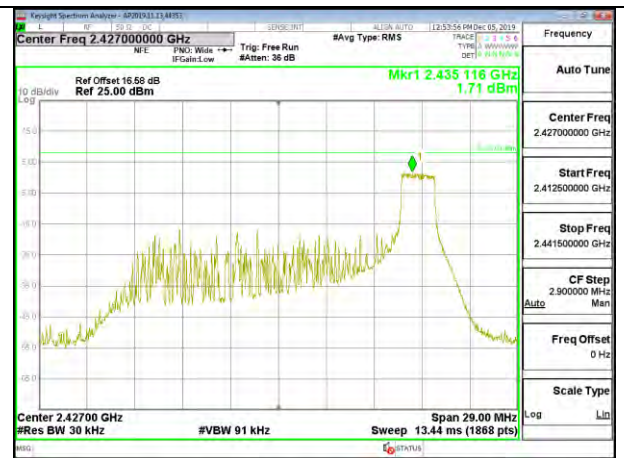**LOW CHANNEL 3 UAT 1**

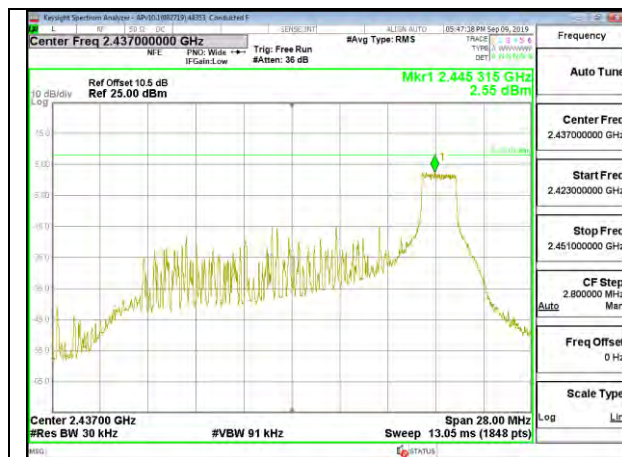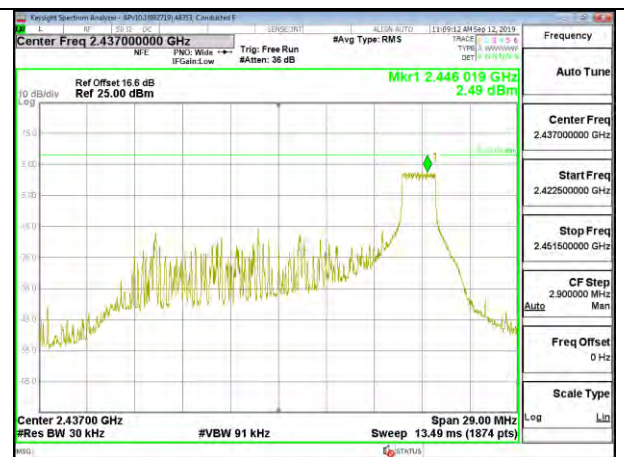**LOW CHANNEL 3 LAT 3**

LOW CHANNEL 4 UAT 1

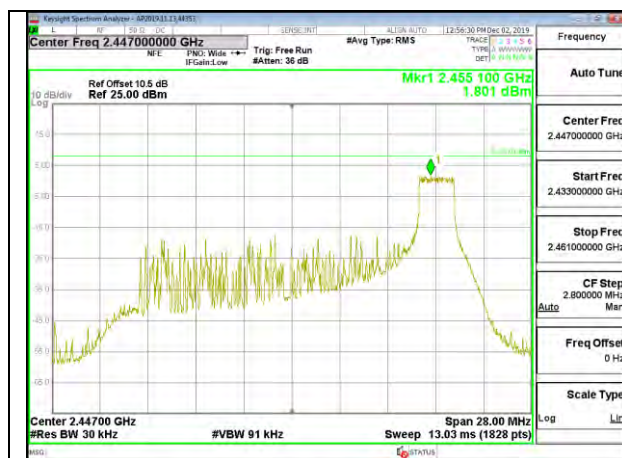
LOW CHANNEL 4 LAT 3
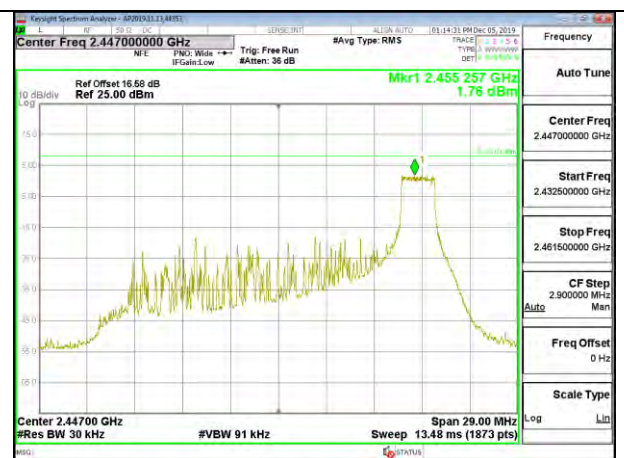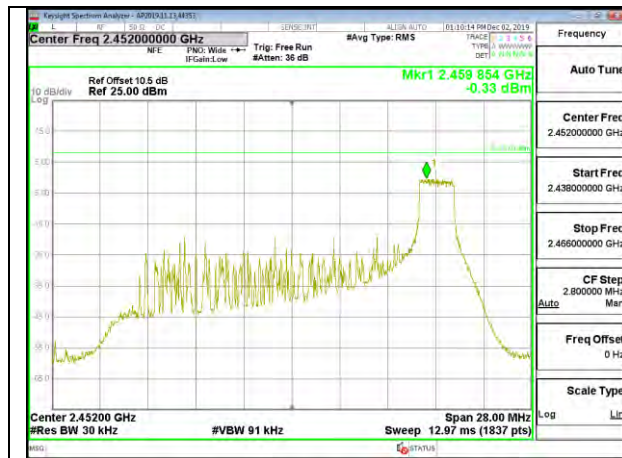

MID CHANNEL 6 UAT 1

MID CHANNEL 6 LAT 3

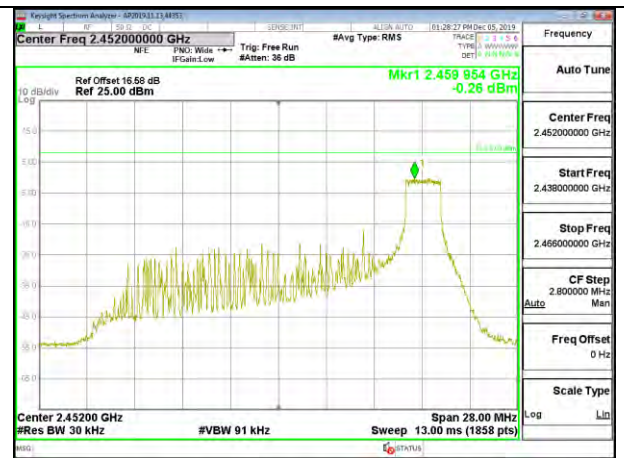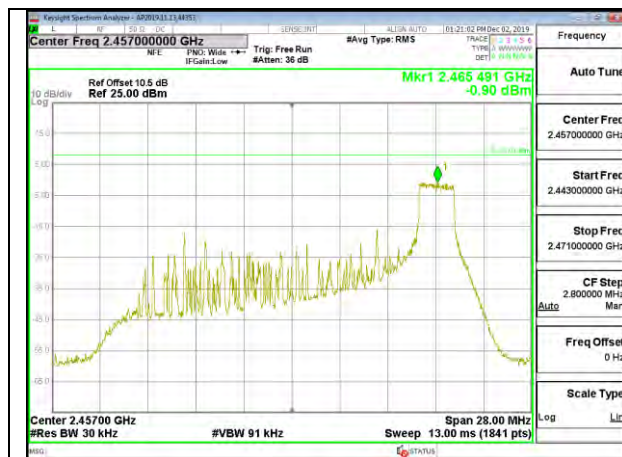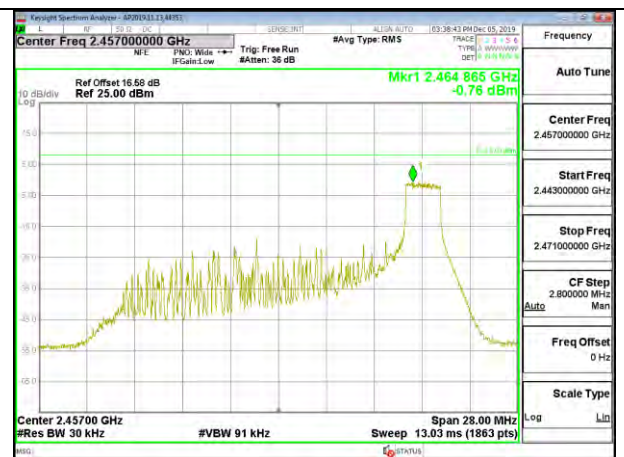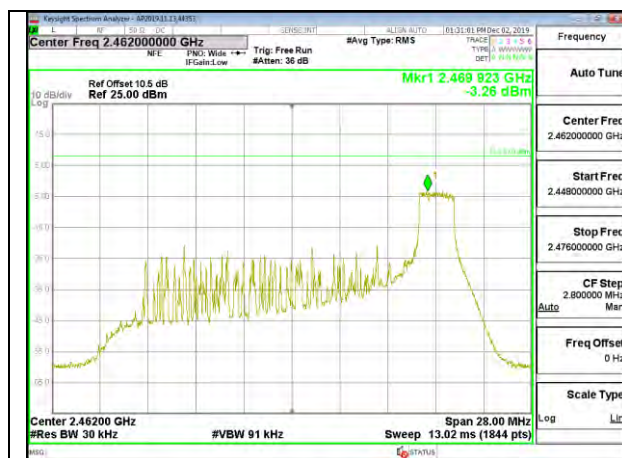HIGH CHANNEL 8 UAT 1

HIGH CHANNEL 8 LAT 3

HIGH CHANNEL 9 UAT 1

HIGH CHANNEL 9 LAT 3

HIGH CHANNEL 10 UAT 1

HIGH CHANNEL 10 LAT 3

HIGH CHANNEL 11 UAT 1

HIGH CHANNEL 11 LAT 3
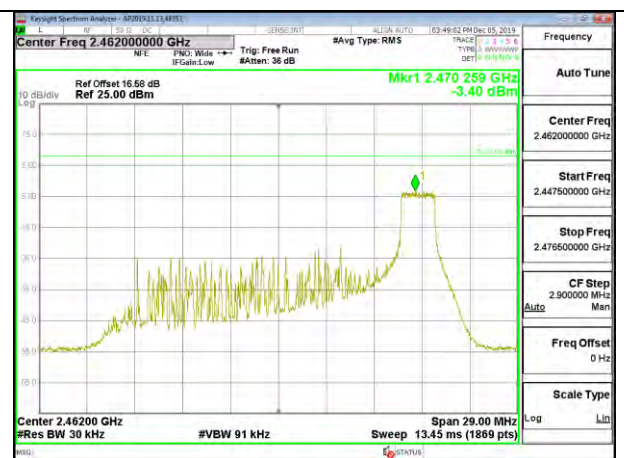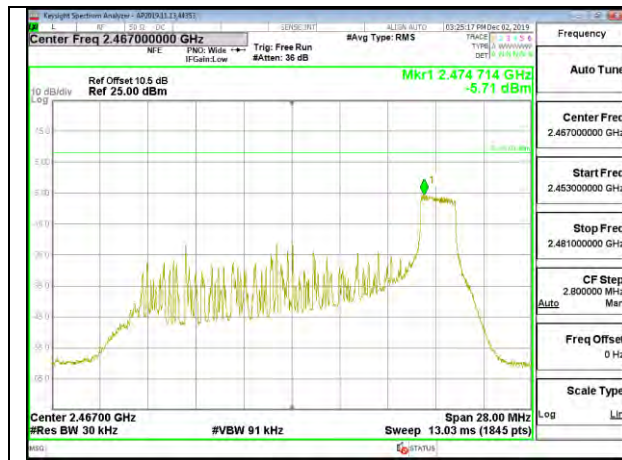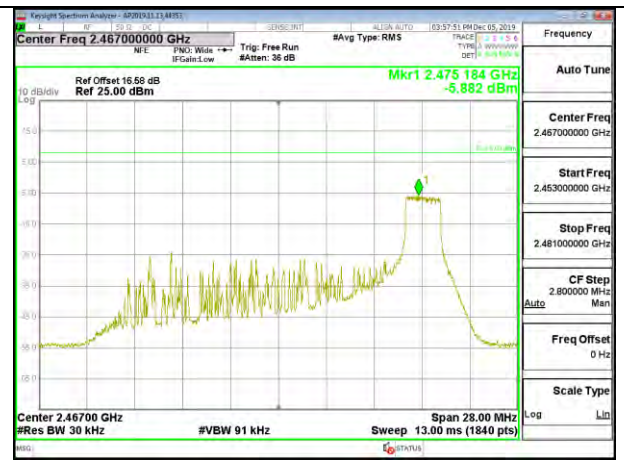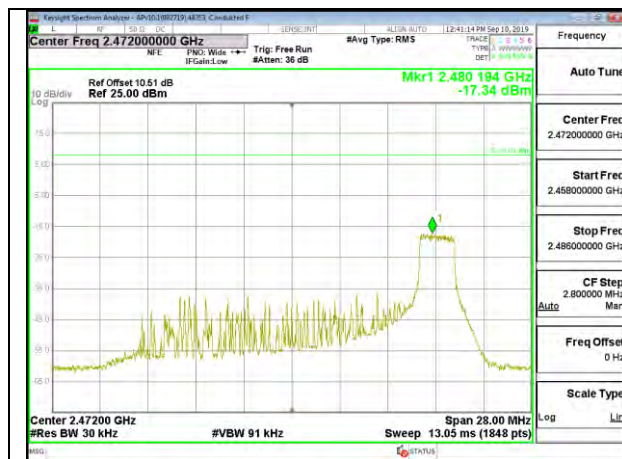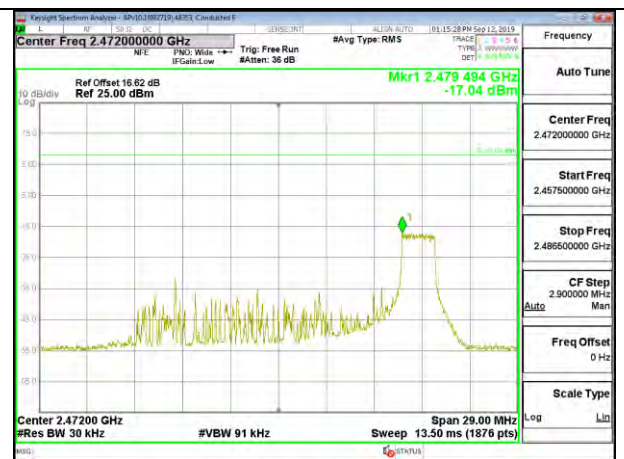
HIGH CHANNEL 12 UAT 1

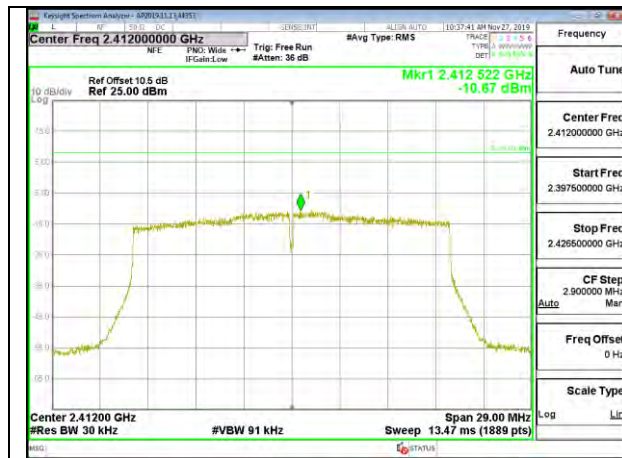HIGH CHANNEL 12 LAT 3

HIGH CHANNEL 13 UAT 1

HIGH CHANNEL 13 LAT 3

UAT1 + LAT3 2TX MODE: 242-Tone RU Index 61

| Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

PSD Results

| Channel	Frequency (MHz)	UAT 1 Meas (dBm/ 3kHz)	LAT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-10.67	-10.63	-7.64	8.0	-15.6
Low 2	2417	-8.13	-8.22	-5.16	8.0	-13.2
Low 3	2422	-7.67	-7.69	-4.67	8.0	-12.7
Low 4	2427	-5.69	-5.67	-2.67	8.0	-10.7
Low 5	2432	-3.48	-3.62	-0.54	8.0	-8.5
Mid 6	2437	-3.49	-3.64	-0.55	8.0	-8.6
High 7	2442	-3.24	-3.36	-0.29	8.0	-8.3
High 8	2447	-5.53	-5.59	-2.55	8.0	-10.5
High 9	2452	-7.80	-7.55	-4.66	8.0	-12.7
High 10	2457	-8.19	-7.93	-5.05	8.0	-13.0
High 11	2462	-10.61	-10.60	-7.59	8.0	-15.6
High 12	2467	-13.05	-13.09	-10.06	8.0	-18.1
High 13	2472	-21.84	-21.90	-18.86	8.0	-26.9

LOW CHANNEL 1 UAT 1
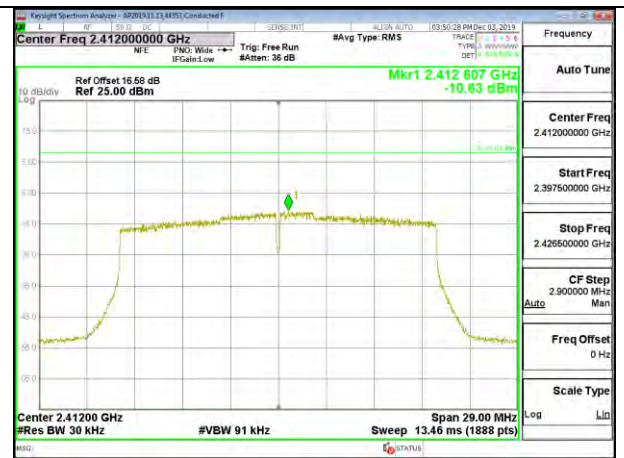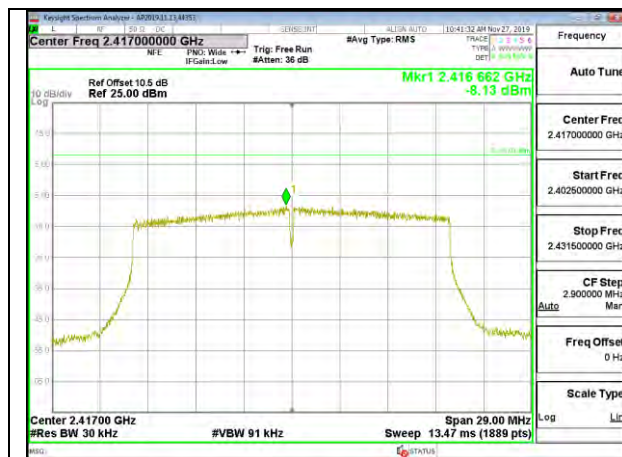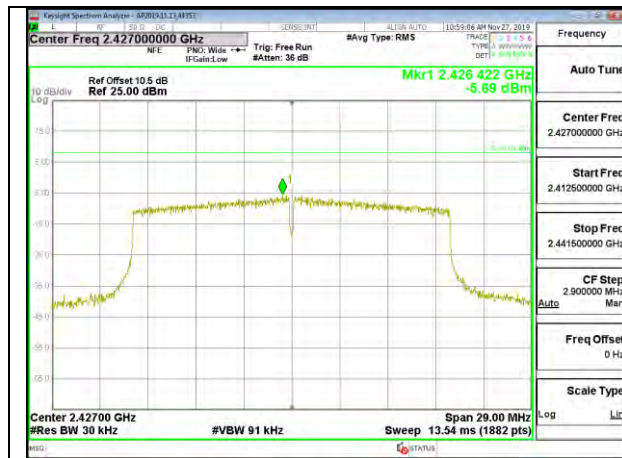
LOW CHANNEL 1 LAT 3
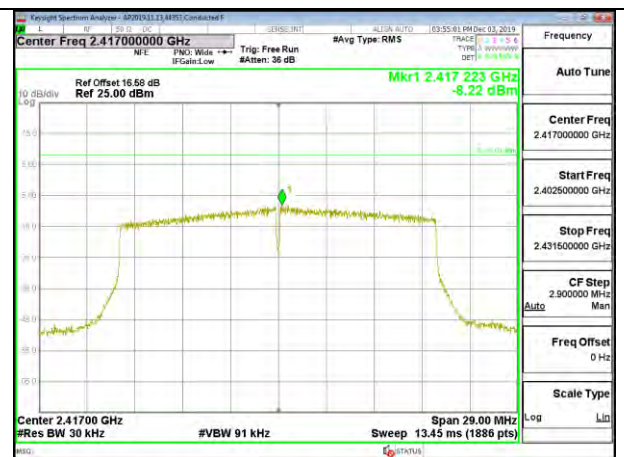
LOW CHANNEL 2 UAT 1
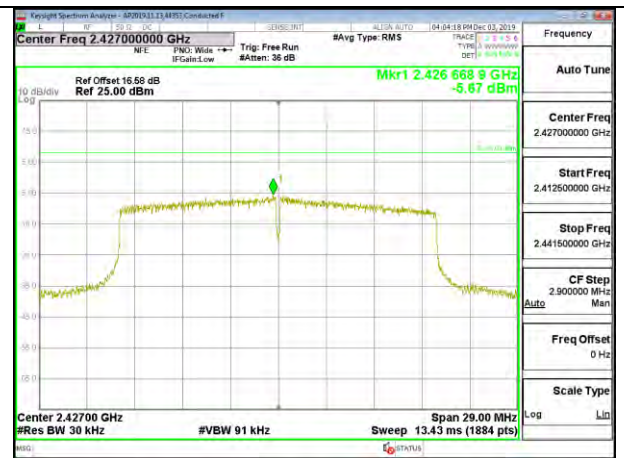
LOW CHANNEL 2 LAT 3
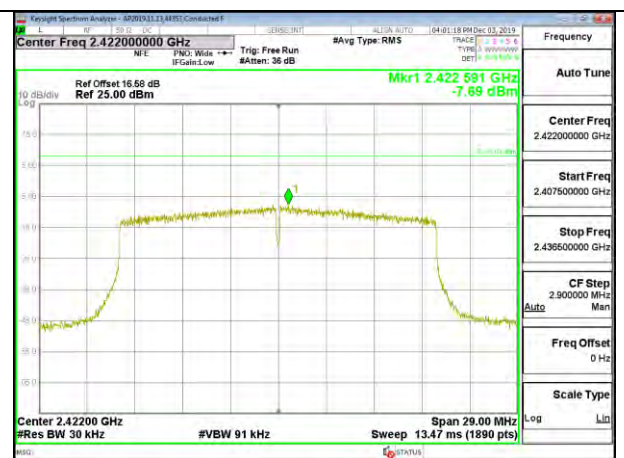
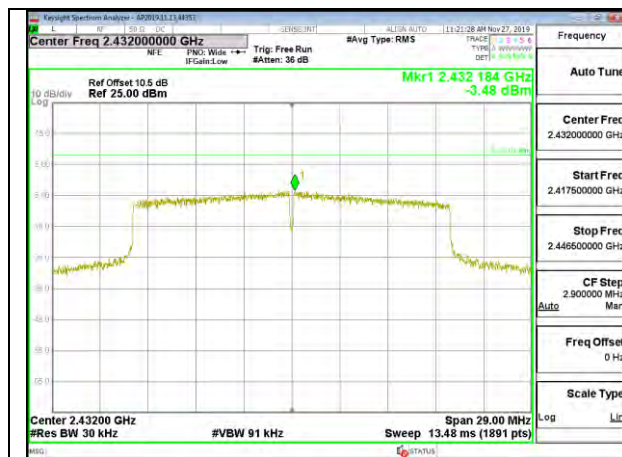**LOW CHANNEL 3 UAT 1**

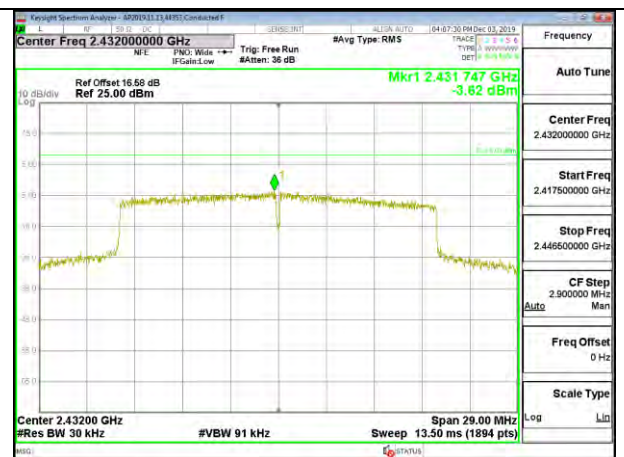**LOW CHANNEL 3 LAT 3**
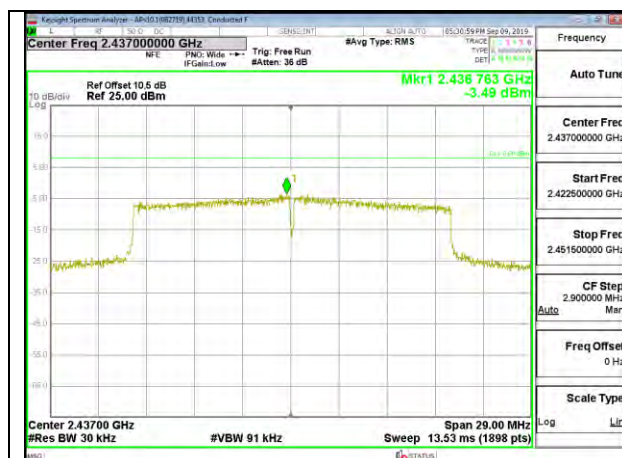
LOW CHANNEL 4 UAT 1

LOW CHANNEL 4 LAT 3
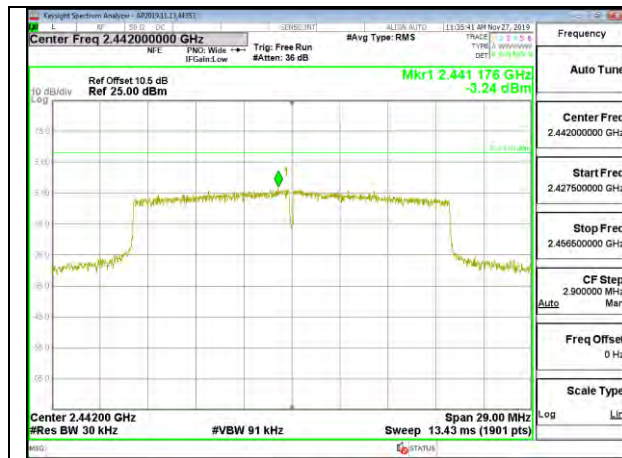

LOW CHANNEL 5 UAT 1

LOW CHANNEL 5 LAT 3

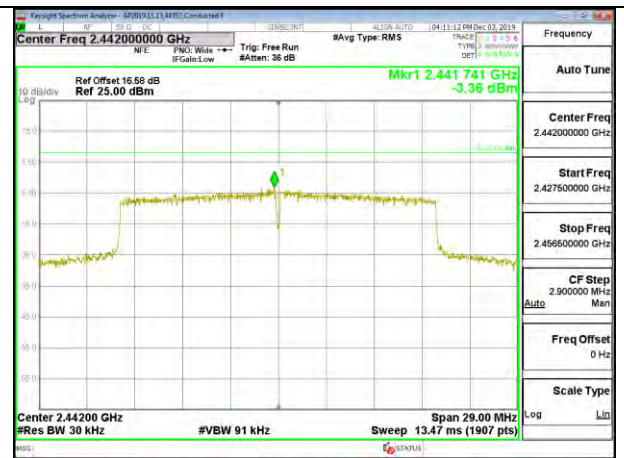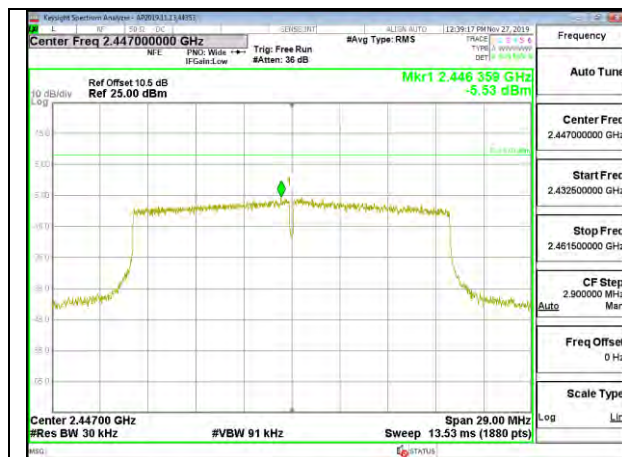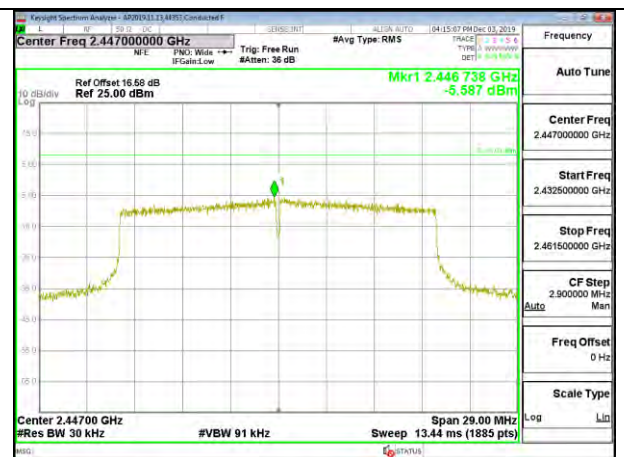**MID CHANNEL 6 UAT 1**

MID CHANNEL 6 LAT 3

HIGH CHANNEL 7 UAT 1
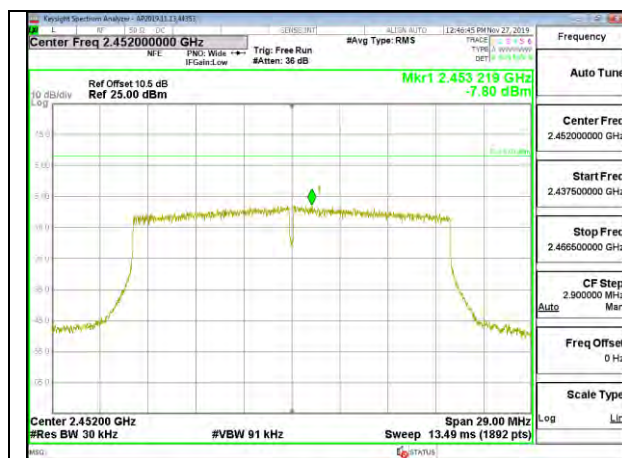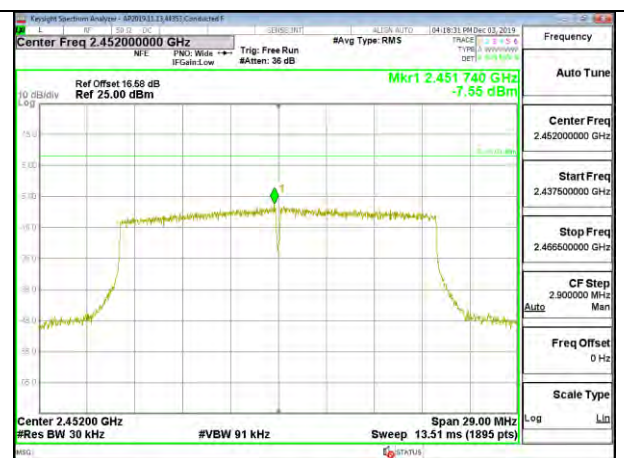

HIGH CHANNEL 7 LAT 3
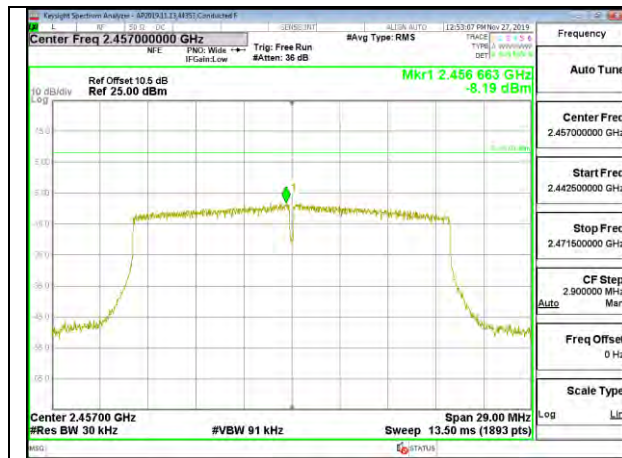

HIGH CHANNEL 8 UAT 1

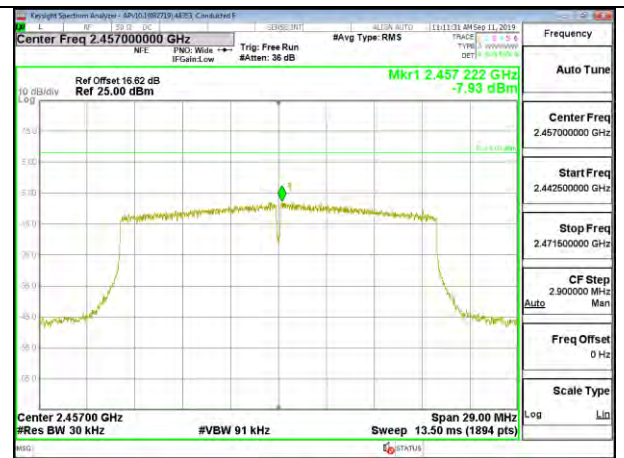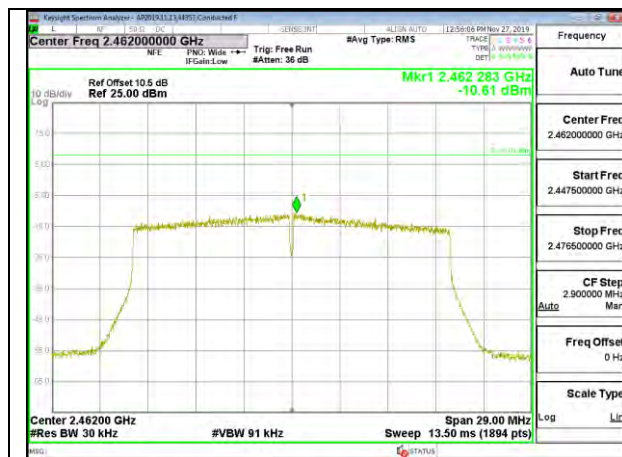
HIGH CHANNEL 8 LAT 3

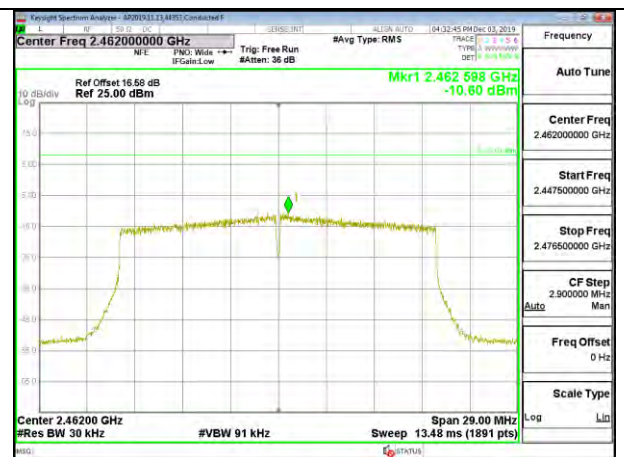HIGH CHANNEL 9 UAT 1

HIGH CHANNEL 8 LAT 3

HIGH CHANNEL 10 UAT 1

HIGH CHANNEL 10 LAT 3
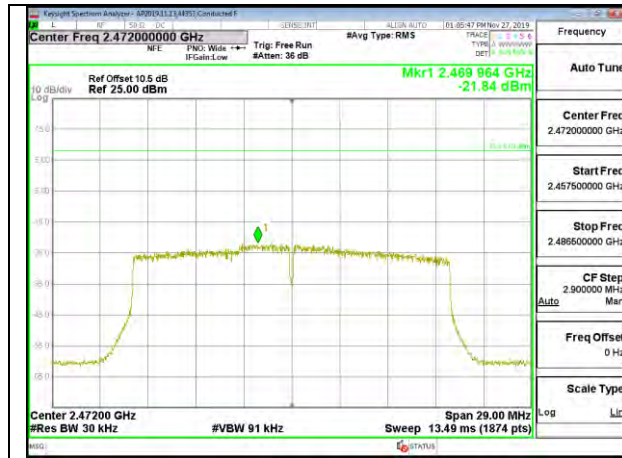

HIGH CHANNEL 11 UAT 1
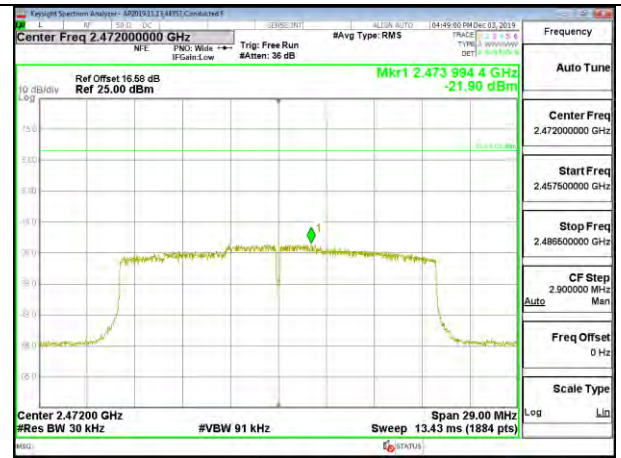

HIGH CHANNEL 11 LAT 3

HIGH CHANNEL 12 UAT 1

HIGH CHANNEL 12 LAT 3

| HIGH CHANNEL 13 UAT 1 | HIGH CHANNEL 13 LAT 3 |

8.6. CONDUCTED SPURIOUS EMISSIONS
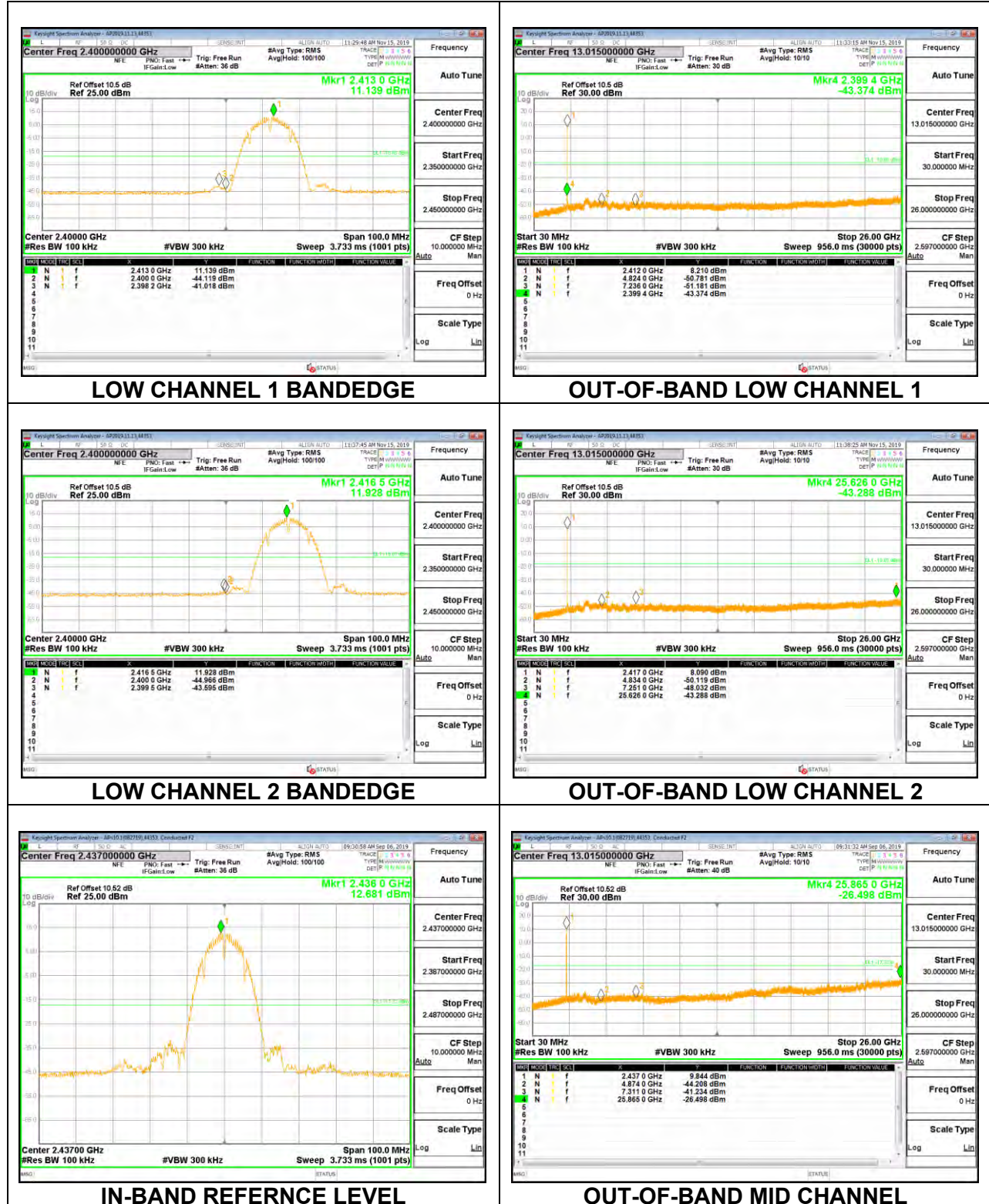
LIMITS

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)).
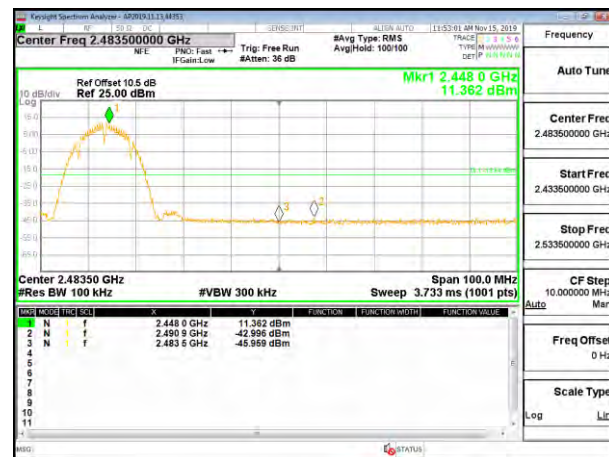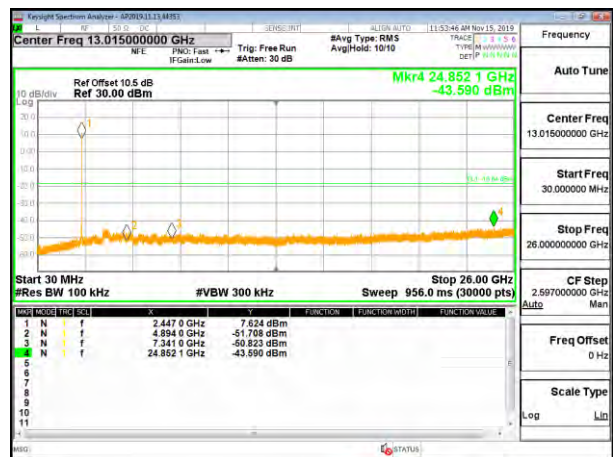
RESULTS

8.6.1. 802.11b MODE

1TX UAT1 MODE

LOW CHANNEL 1 BANDEDGE

OUT-OF-BAND LOW CHANNEL 1

LOW CHANNEL 2 BANDEDGE

OUT-OF-BAND LOW CHANNEL 2

IN-BAND REFERNCE LEVEL

OUT-OF-BAND MID CHANNEL
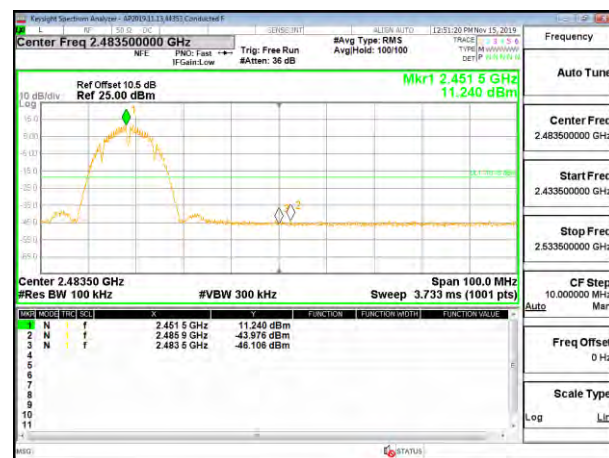
HIGH CHANNEL 7 BANDEDGE
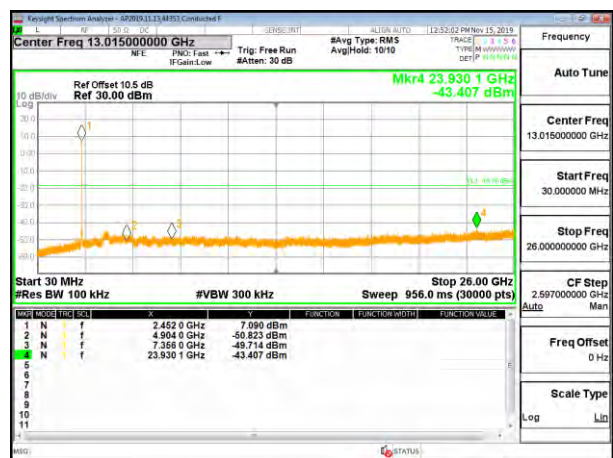

OUT-OF-BAND HIGH CHANNEL 7
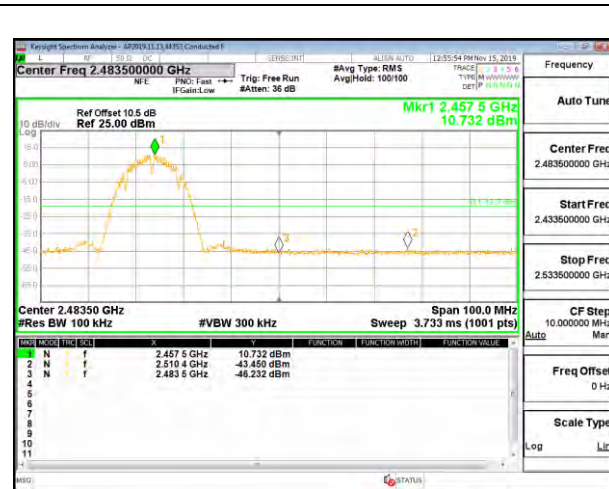

HIGH CHANNEL 8 BANDEDGE

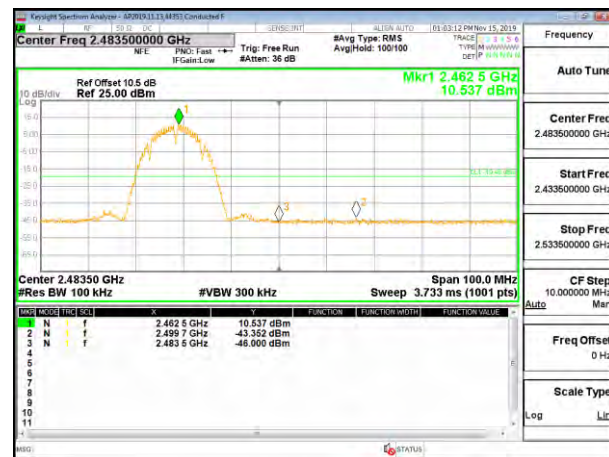**OUT-OF-BAND HIGH CHANNEL 8**

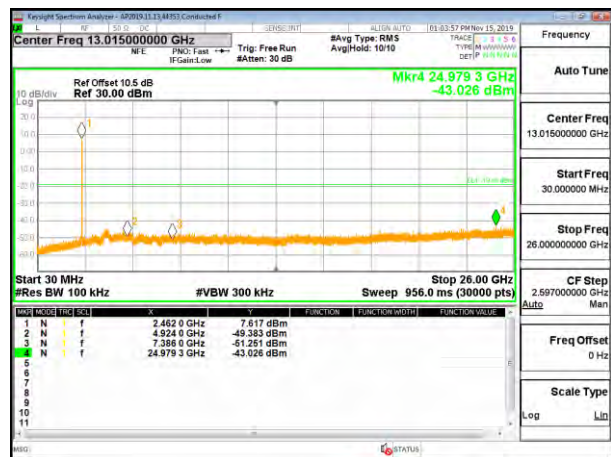
HIGH CHANNEL 9 BANDEDGE

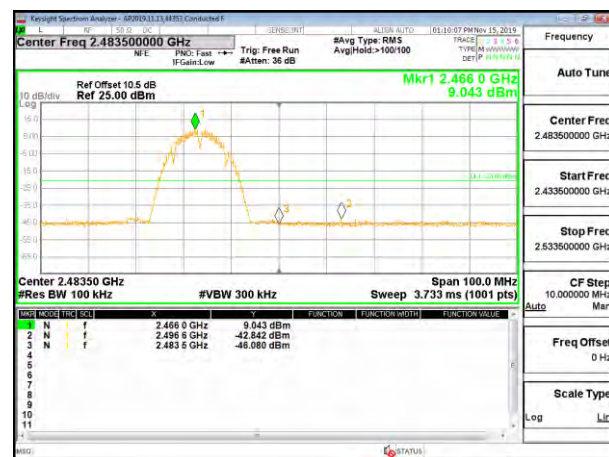

OUT-OF-BAND HIGH CHANNEL 9
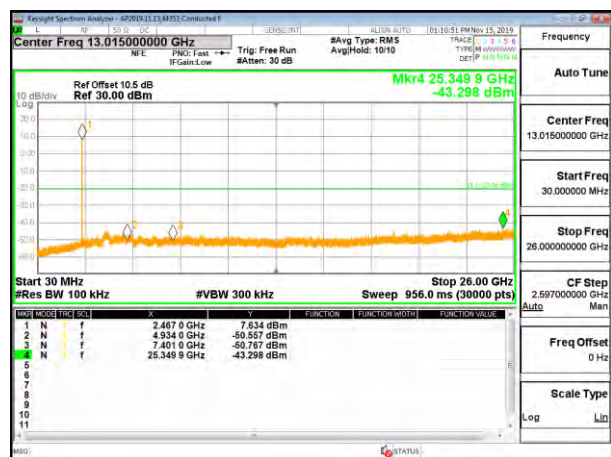
HIGH CHANNEL 10 BANDEDGE
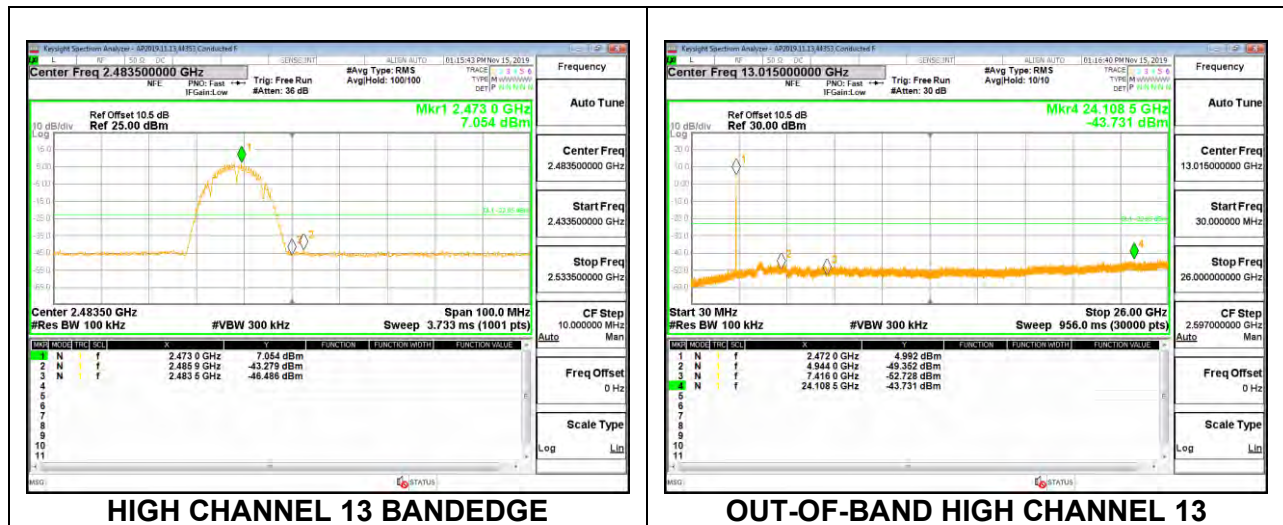

OUT-OF-BAND HIGH CHANNEL 10
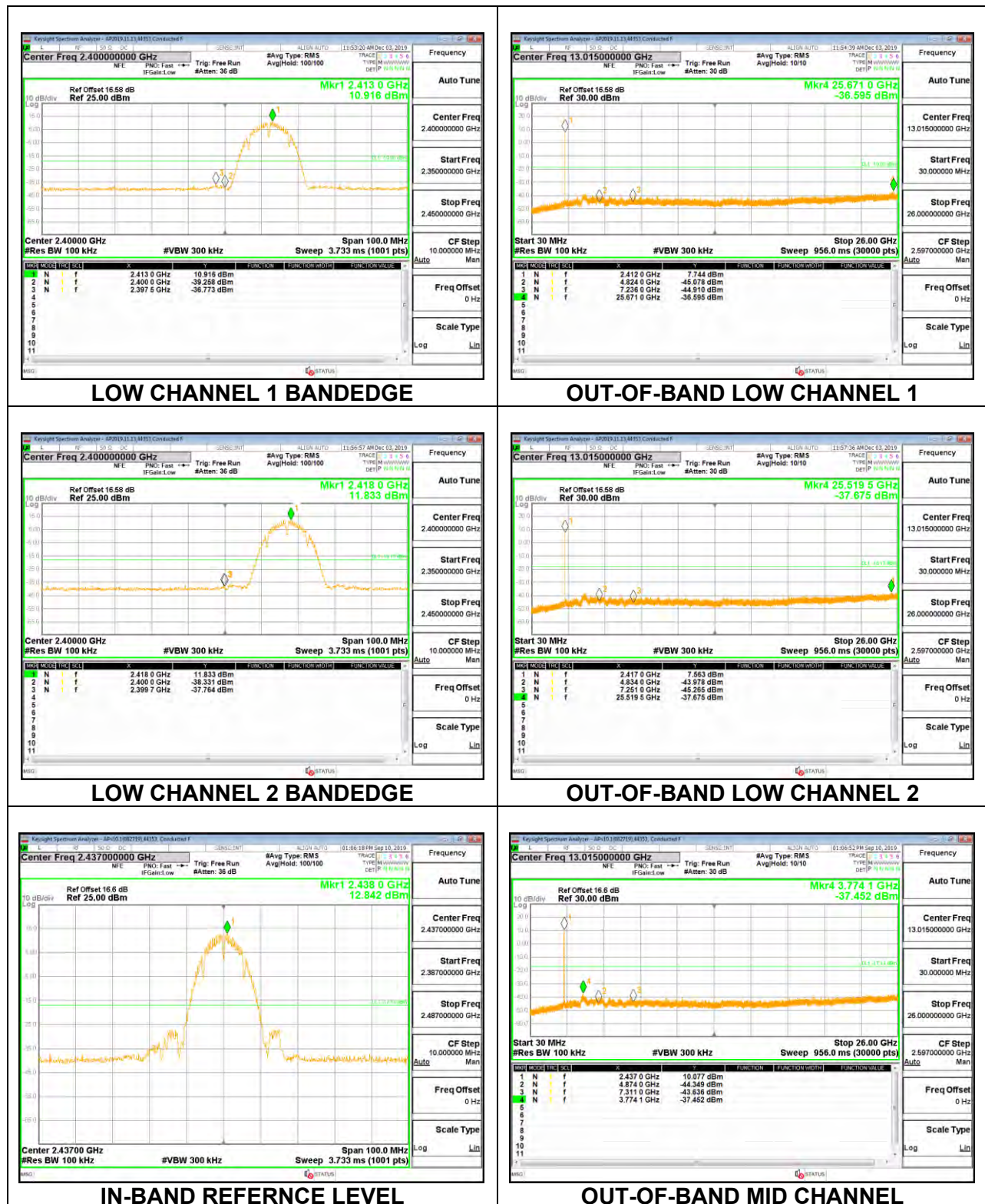

HIGH CHANNEL 11 BANDEDGE

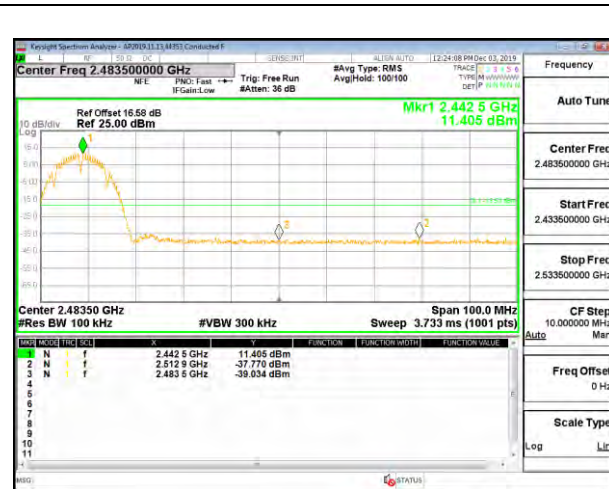OUT-OF-BAND HIGH CHANNEL 11

HIGH CHANNEL 12 BANDEDGE
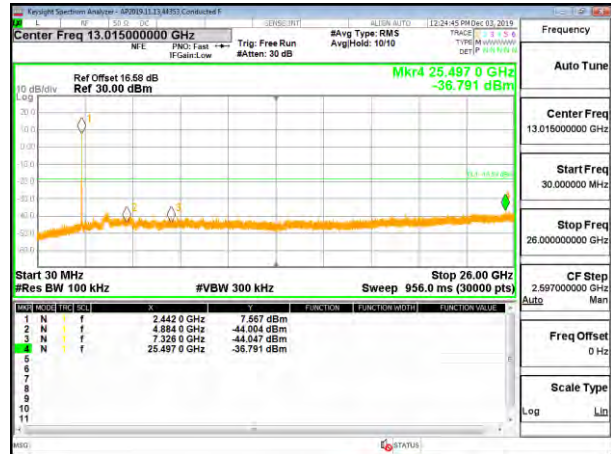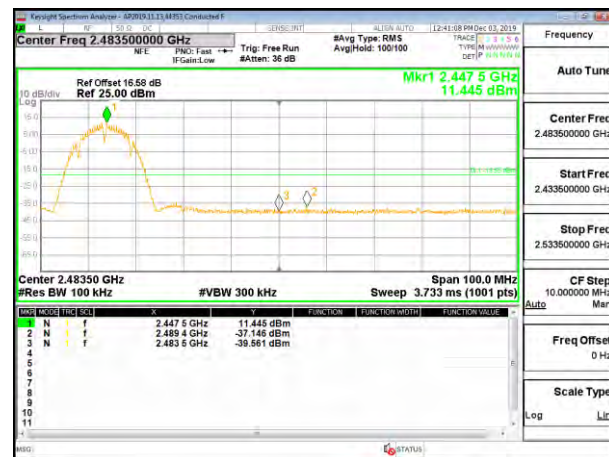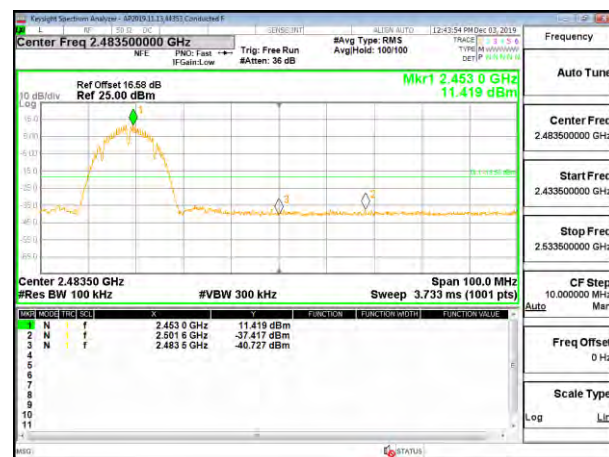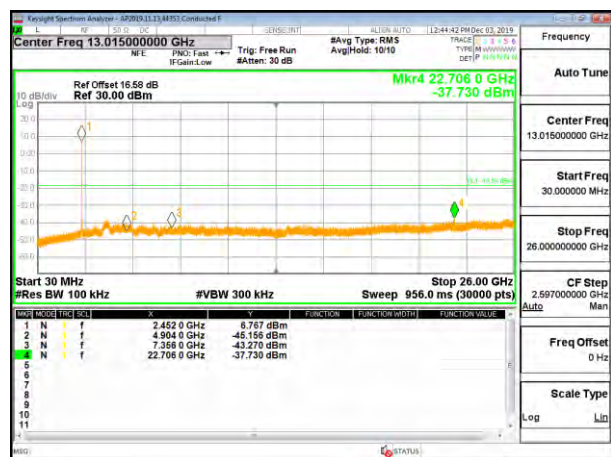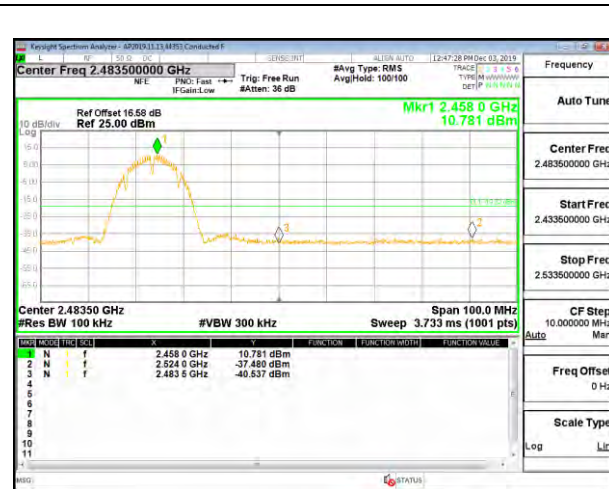

OUT-OF-BAND HIGH CHANNEL 12

| HIGH CHANNEL 13 BANDEDGE | OUT-OF-BAND HIGH CHANNEL 13 |

1TX LAT3 MODE

LOW CHANNEL 1 BANDEDGE

OUT-OF-BAND LOW CHANNEL 1

LOW CHANNEL 2 BANDEDGE

OUT-OF-BAND LOW CHANNEL 2

IN-BAND REFERNCE LEVEL

OUT-OF-BAND MID CHANNEL

HIGH CHANNEL 7 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 7

HIGH CHANNEL 8 BANDEDGE
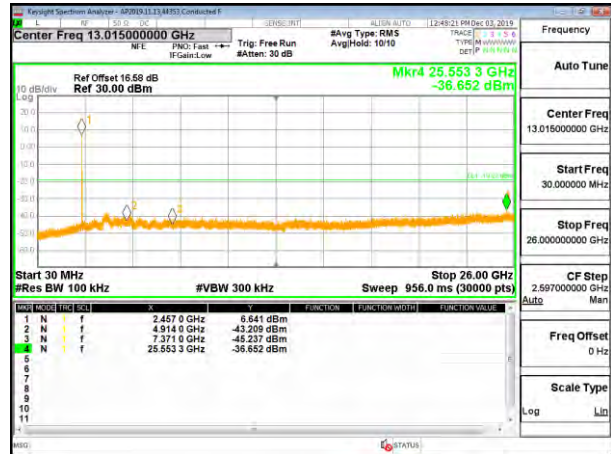

OUT-OF-BAND HIGH CHANNEL 8
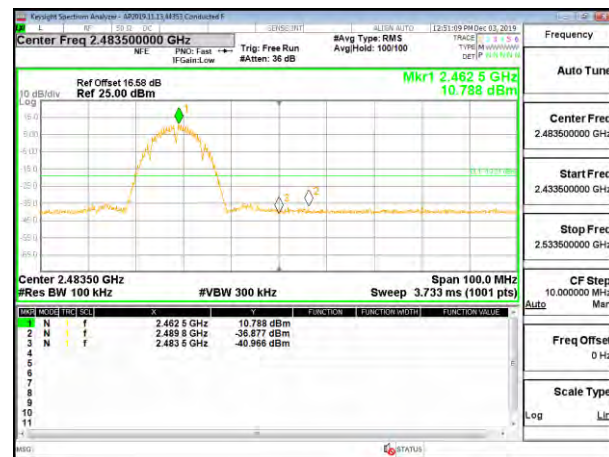

HIGH CHANNEL 9 BANDEDGE
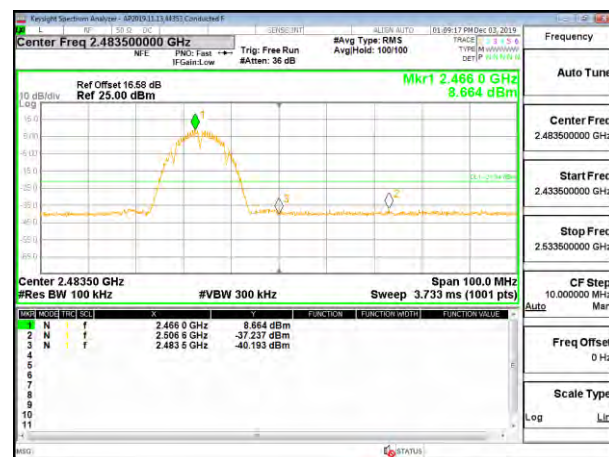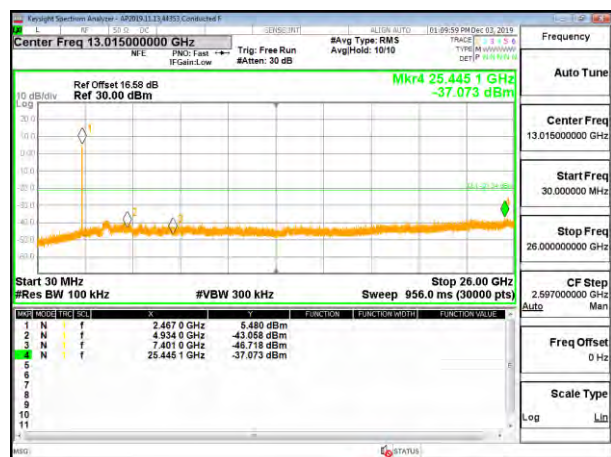

OUT-OF-BAND HIGH CHANNEL 9

HIGH CHANNEL 10 BANDEDGE
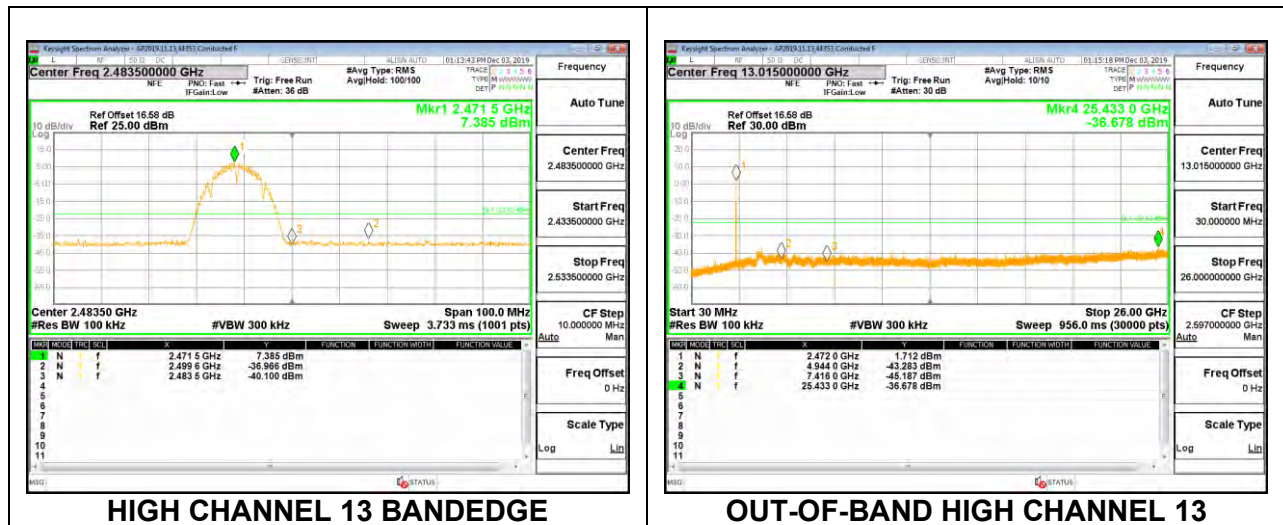

OUT-OF-BAND HIGH CHANNEL 10

HIGH CHANNEL 11 BANDEDGE
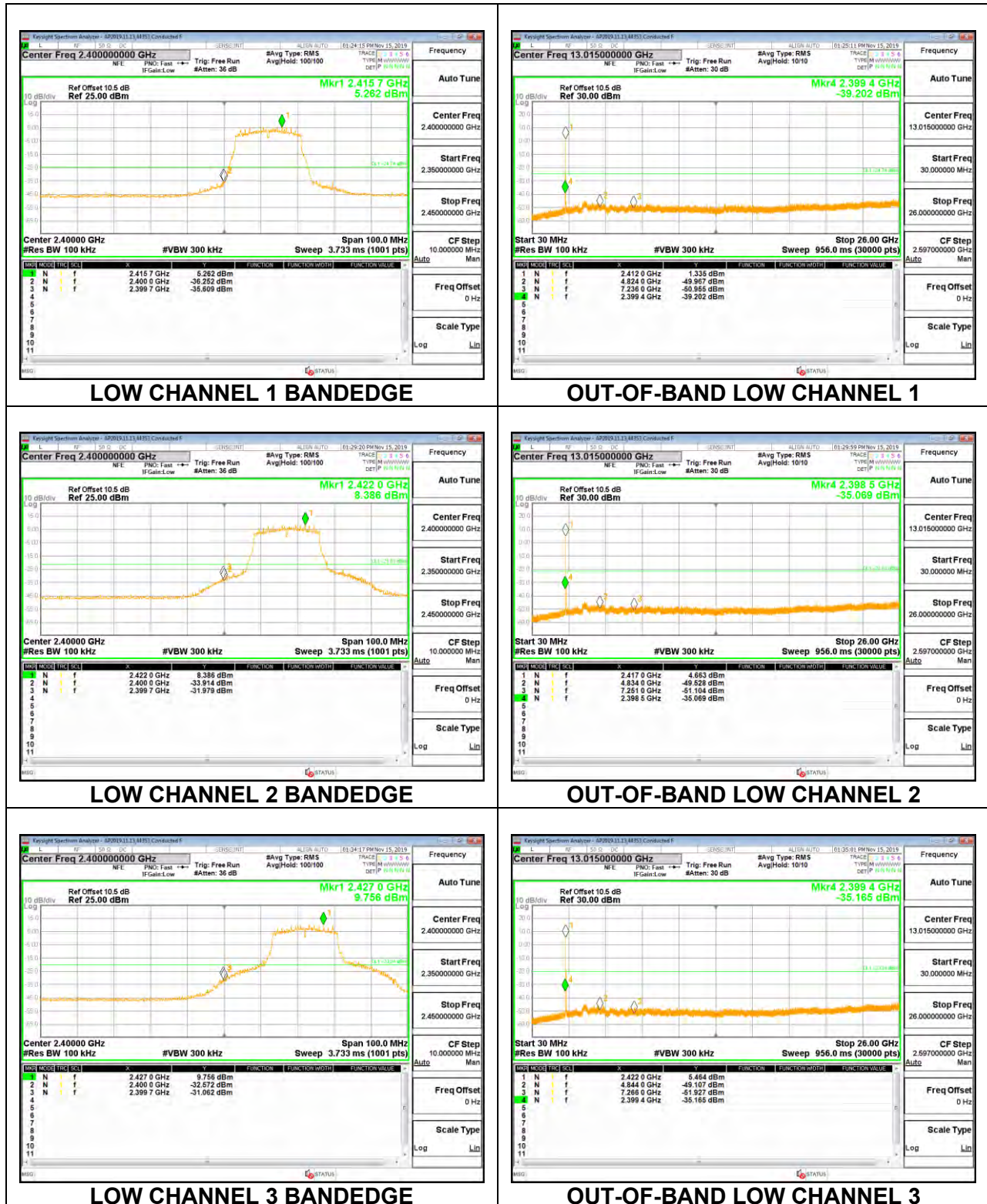

OUT-OF-BAND HIGH CHANNEL 11
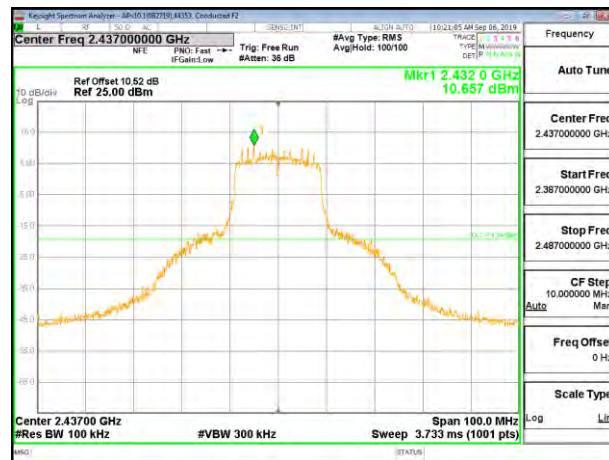

HIGH CHANNEL 12 BANDEDGE
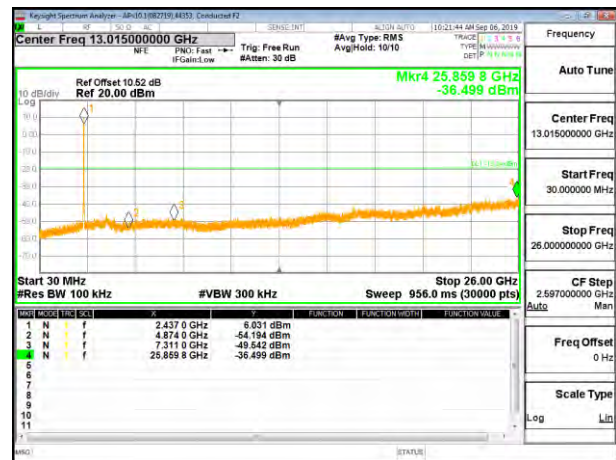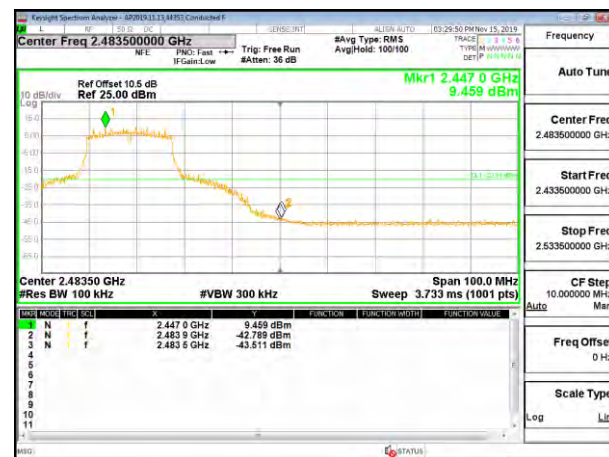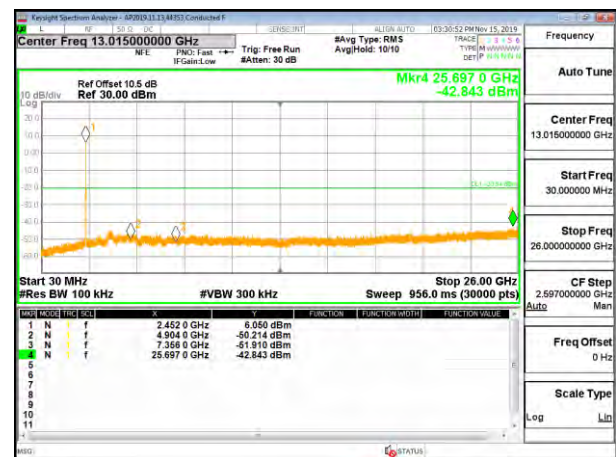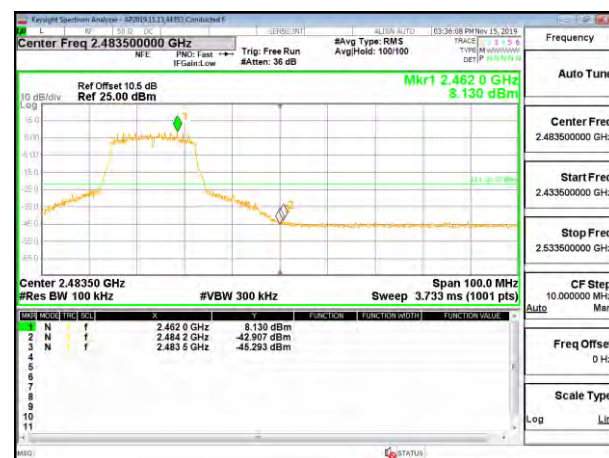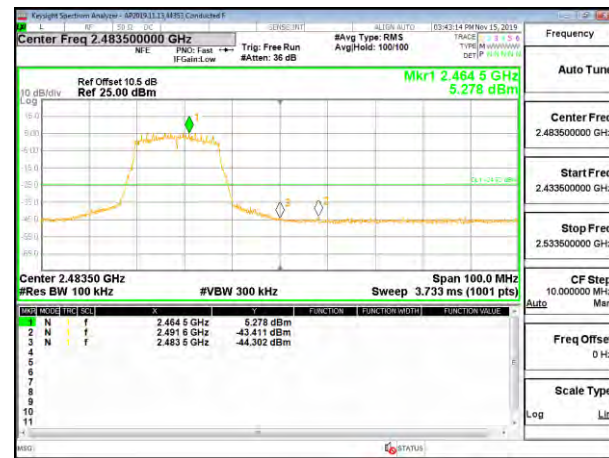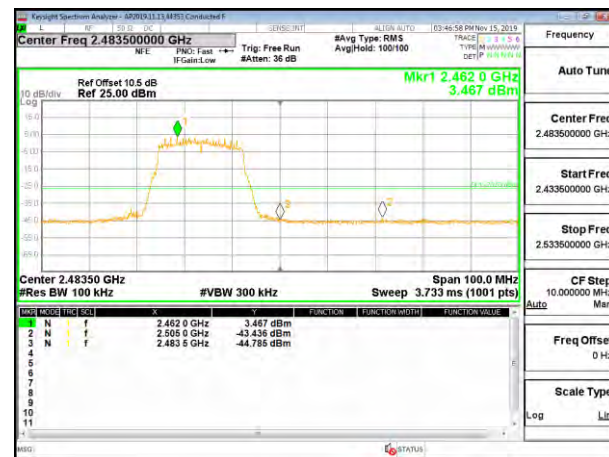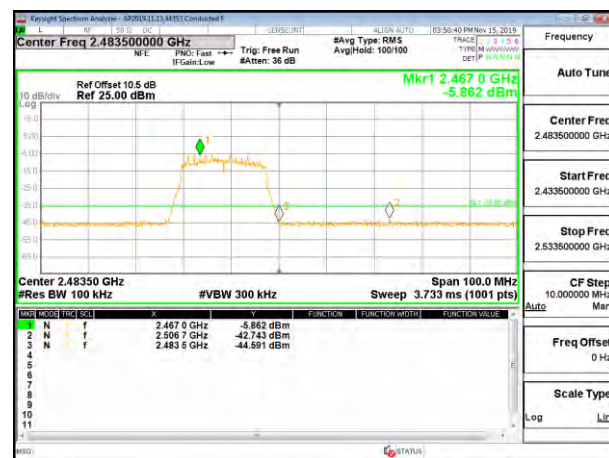

OUT-OF-BAND HIGH CHANNEL 12

HIGH CHANNEL 13 BANDEDGE	OUT-OF-BAND HIGH CHANNEL 13

8.6.2. 802.11n HT20 MODE

1TX UAT1 MODE

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

IN-BAND REFERNCE 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

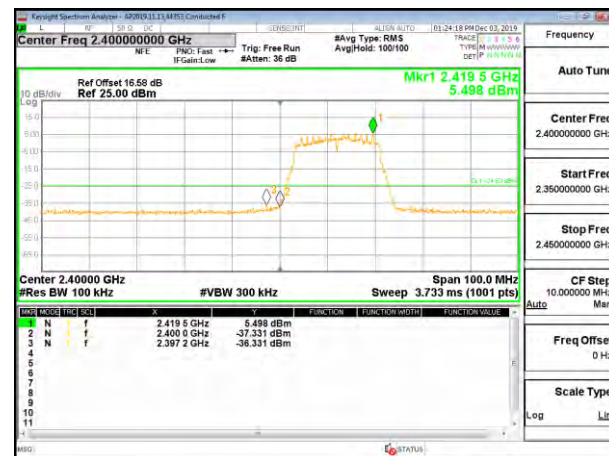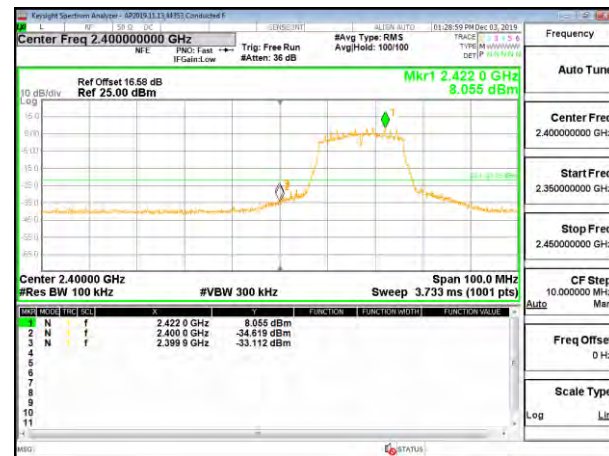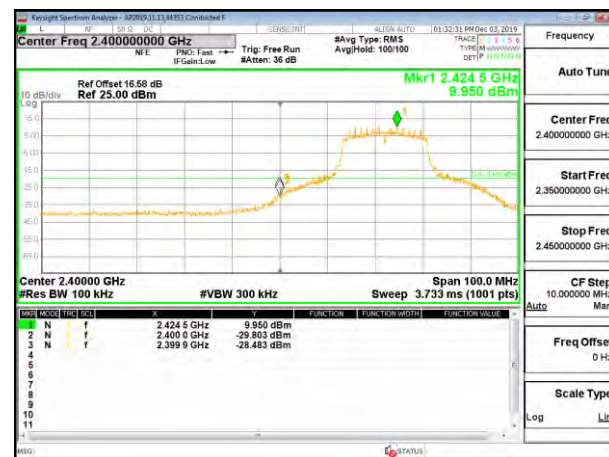**HIGH CHANNEL 11 BANDEDGE**

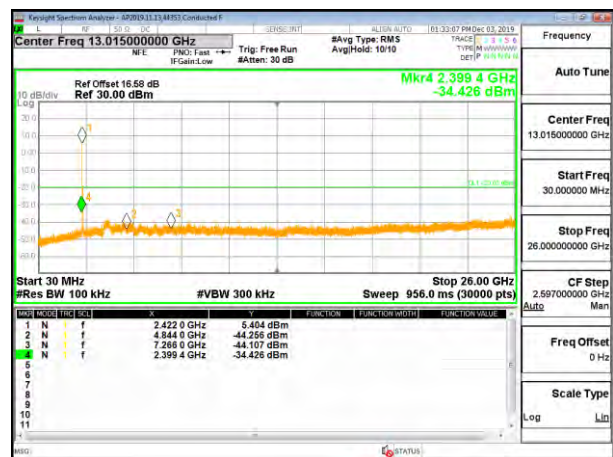**OUT-OF-BAND HIGH CHANNEL 11**

HIGH CHANNEL 12 BANDEDGE

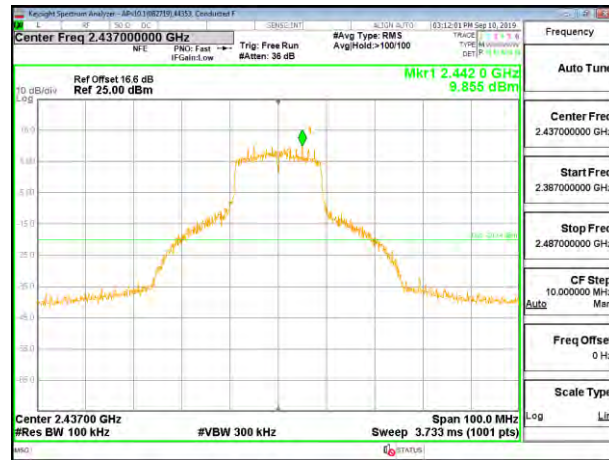**OUT-OF-BAND HIGH CHANNEL 12**

HIGH CHANNEL 13 BANDEDGE

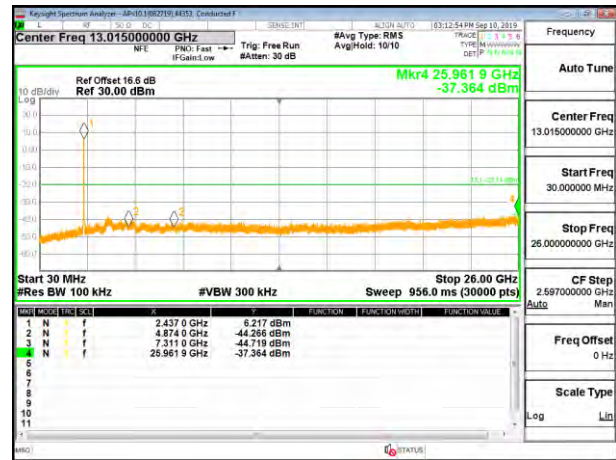**OUT-OF-BAND HIGH CHANNEL 13**

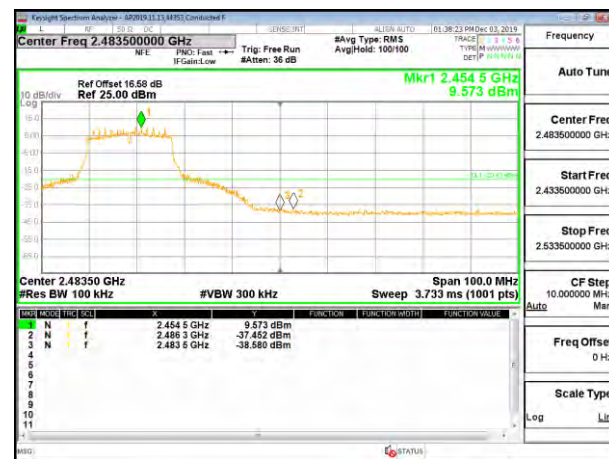**1TX LAT3 MODE**

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

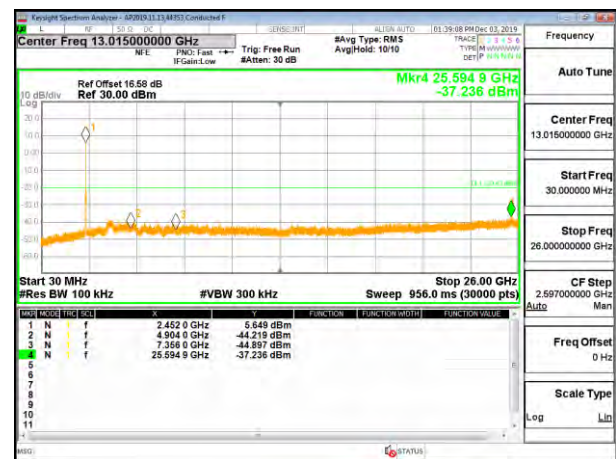**IN-BAND REFERNCE LEVEL**
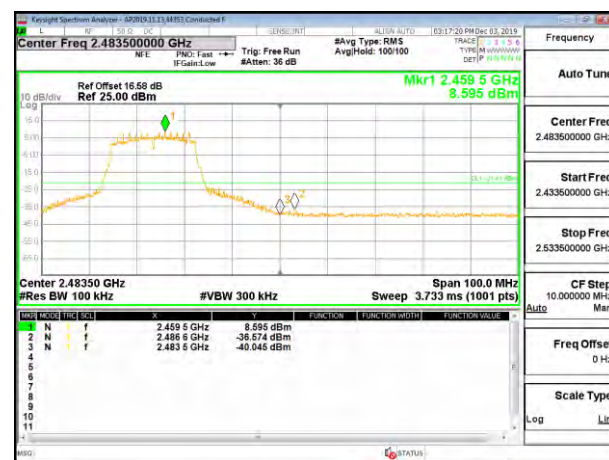

OUT-OF-BAND MID CHANNEL
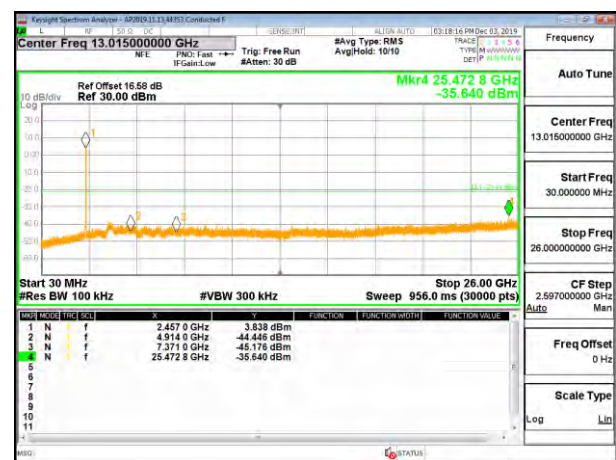

HIGH CHANNEL 9 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 9
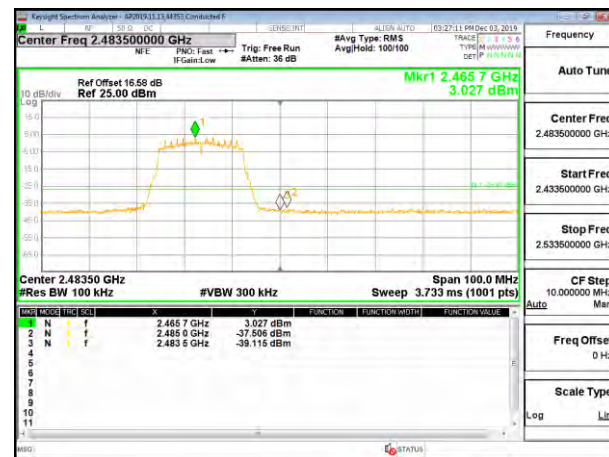

HIGH CHANNEL 10 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 10

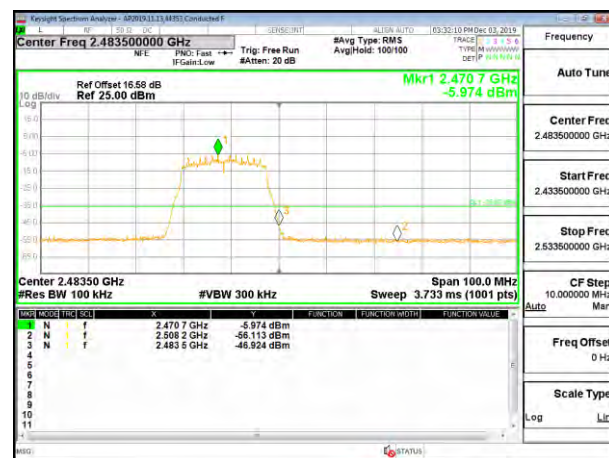**HIGH CHANNEL 11 BANDEDGE**

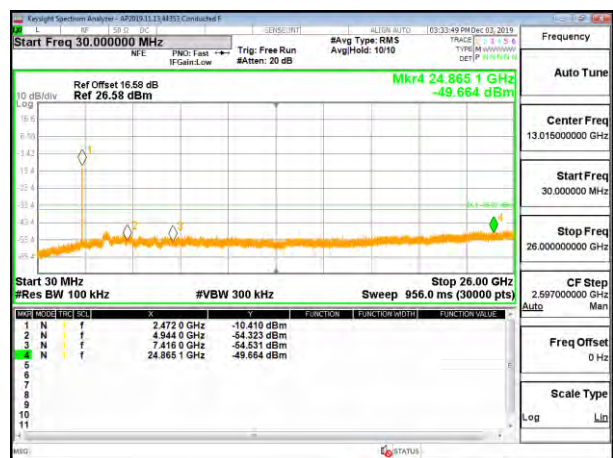**OUT-OF-BAND HIGH CHANNEL 11**

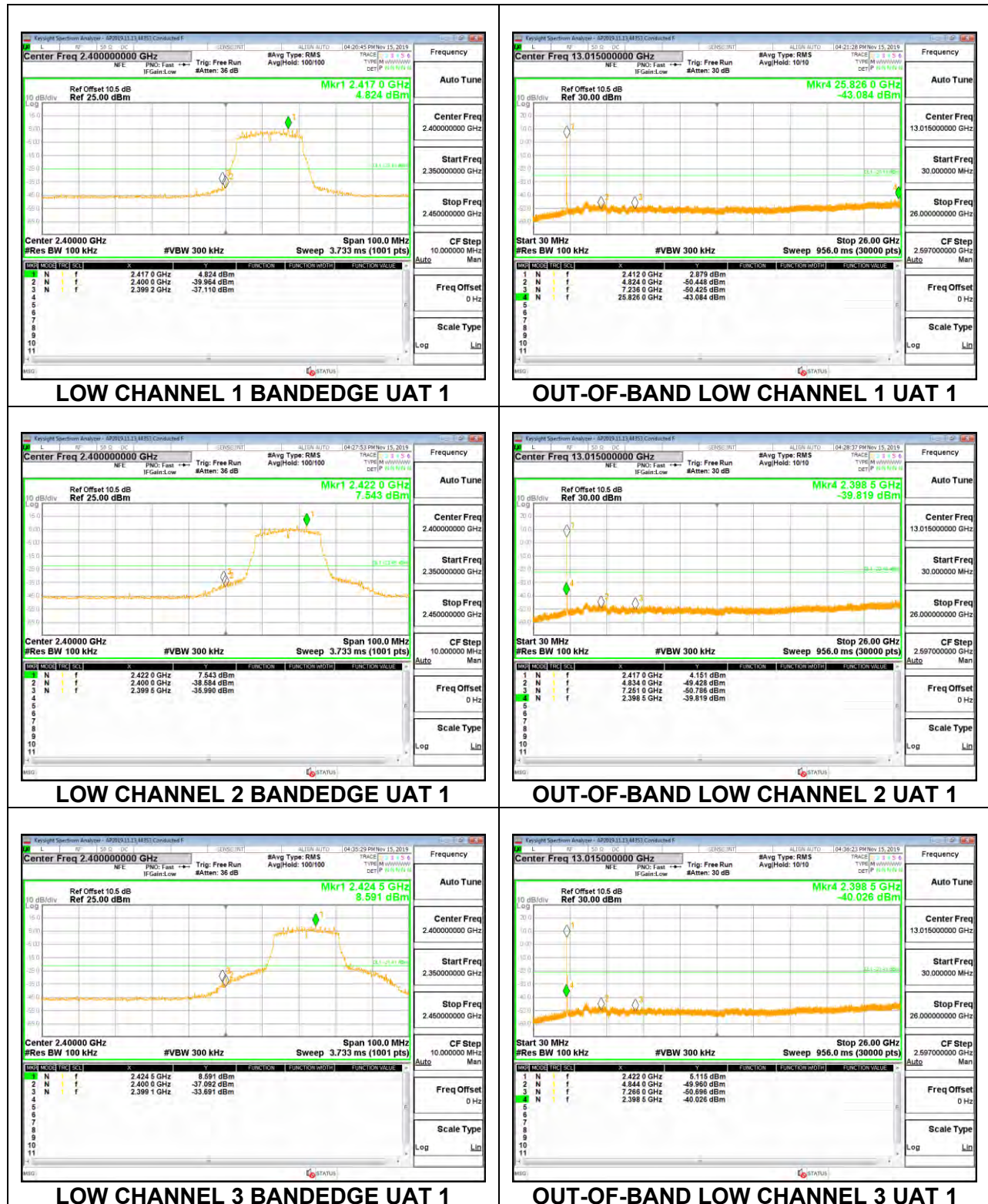**HIGH CHANNEL 12 BANDEDGE**

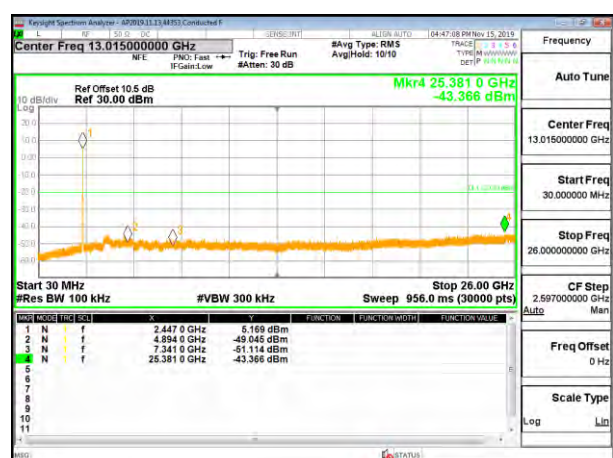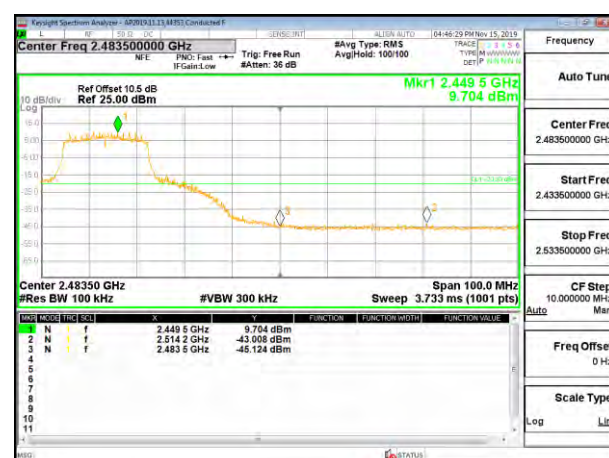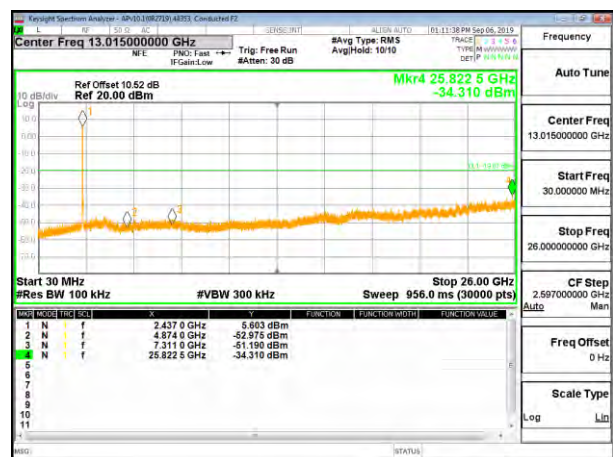**OUT-OF-BAND HIGH CHANNEL 12**

HIGH CHANNEL 13 BANDEDGE

OUT-OF-BAND HIGH CHANNEL 13

8.6.3. 802.11n HT20 MODE 2TX

2TX UAT 1 + LAT 3 CDD MODE

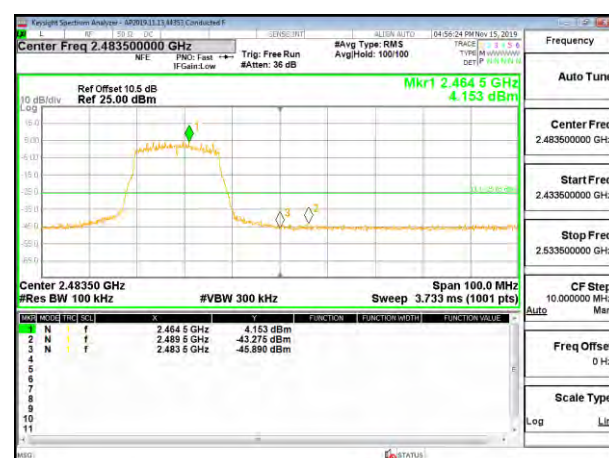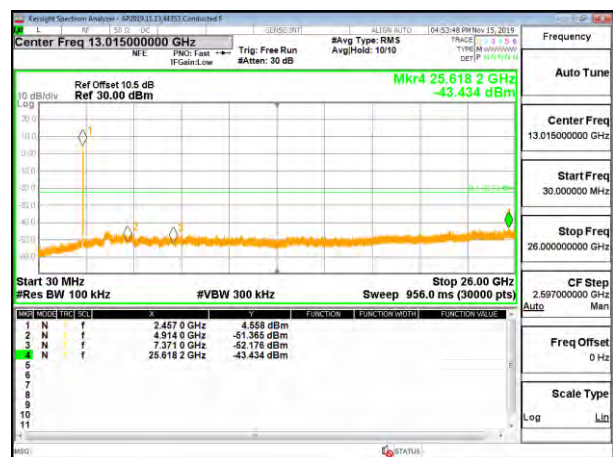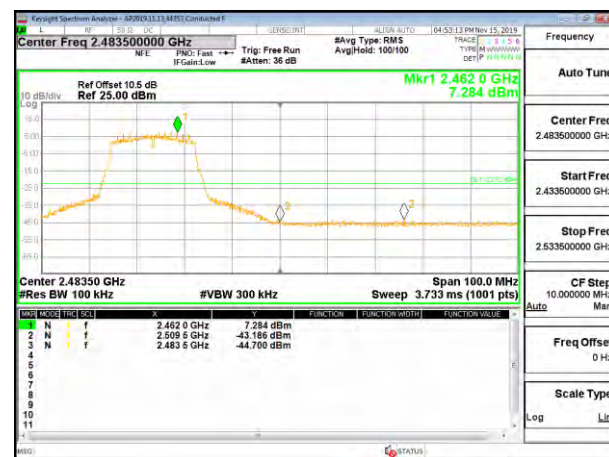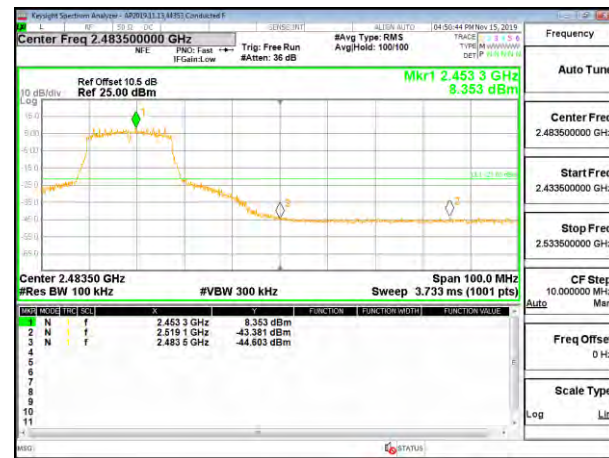| LOW CHANNEL 1 BANDEDGE UAT 1	OUT-OF-BAND LOW CHANNEL 1 UAT 1
LOW CHANNEL 2 BANDEDGE UAT 1	OUT-OF-BAND LOW CHANNEL 2 UAT 1
LOW CHANNEL 3 BANDEDGE UAT 1	OUT-OF-BAND LOW CHANNEL 3 UAT 1

LOW CHANNEL 4 BANDEDGE UAT 1

OUT-OF-BAND LOW CHANNEL 4 UAT 1

IN-BAND REFERENCE LEVEL UAT 1

OUT-OF-BAND MID CHANNEL UAT 1

HIGH CHANNEL 8 BANDEDGE UAT 1

OUT-OF-BAND HIGH CHANNEL 8 UAT 1

HIGH CHANNEL 9 BANDEDGE UAT 1

OUT-OF-BAND HIGH CHANNEL 9 UAT 1

HIGH CHANNEL 10 BANDEDGE UAT 1

OUT-OF-BAND HIGH CHANNEL 10 UAT 1

HIGH CHANNEL 11 BANDEDGE UAT 1
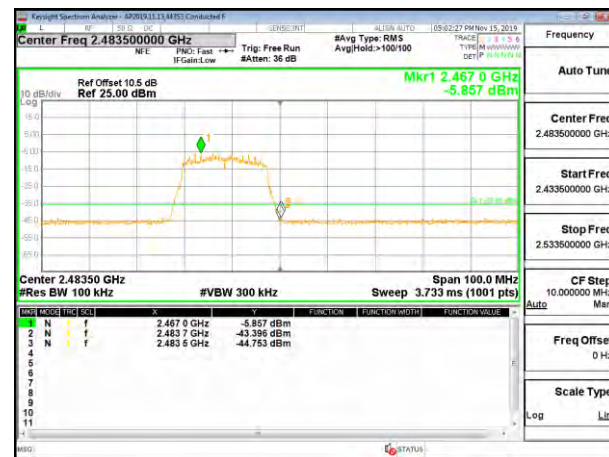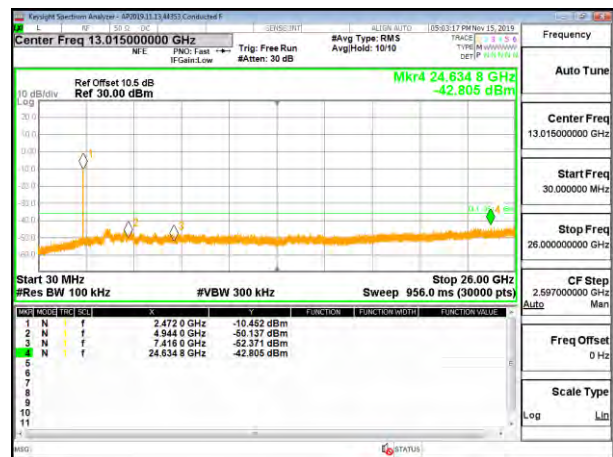

OUT-OF-BAND HIGH CHANNEL 11 UAT 1

HIGH CHANNEL 12 BANDEDGE UAT 1
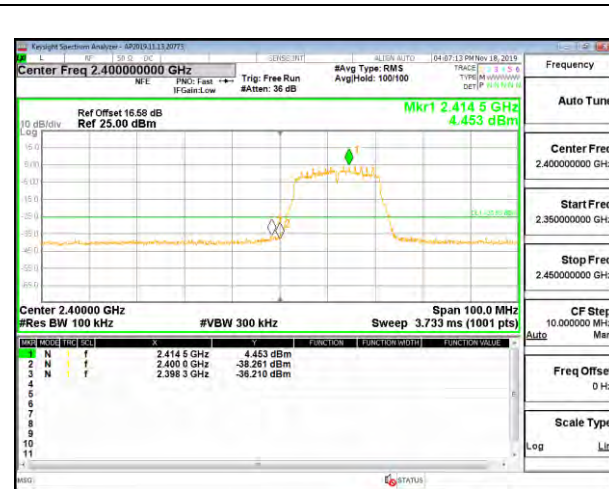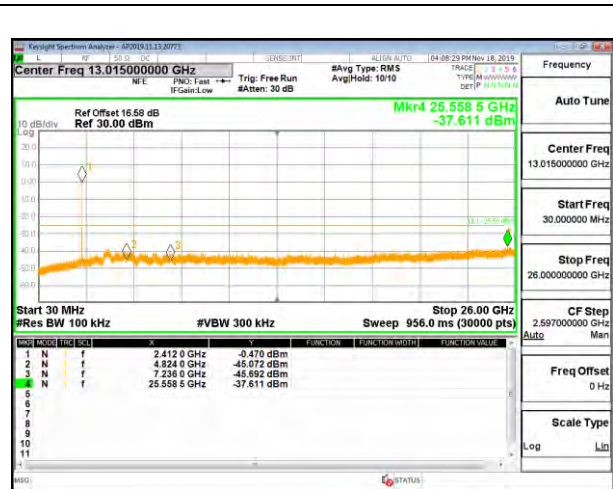

OUT-OF-BAND HIGH CHANNEL 12 UAT 1
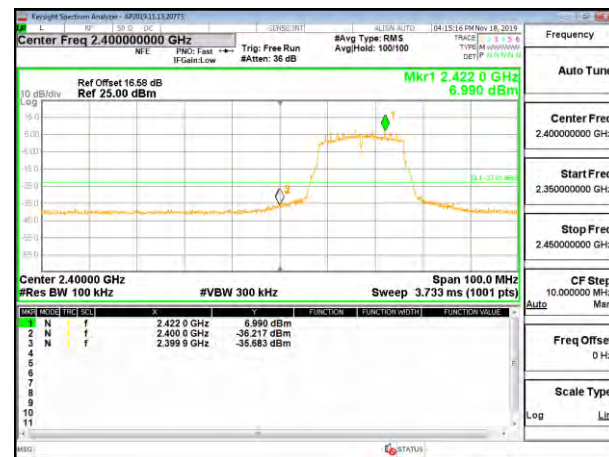

HIGH CHANNEL 13 BANDEDGE UAT 1
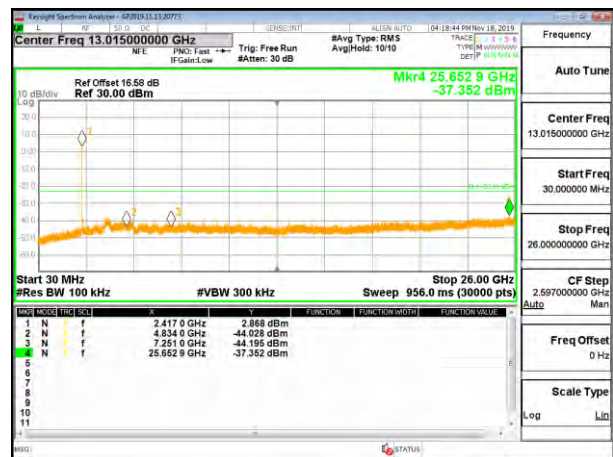

OUT-OF-BAND HIGH CHANNEL 13 UAT 1

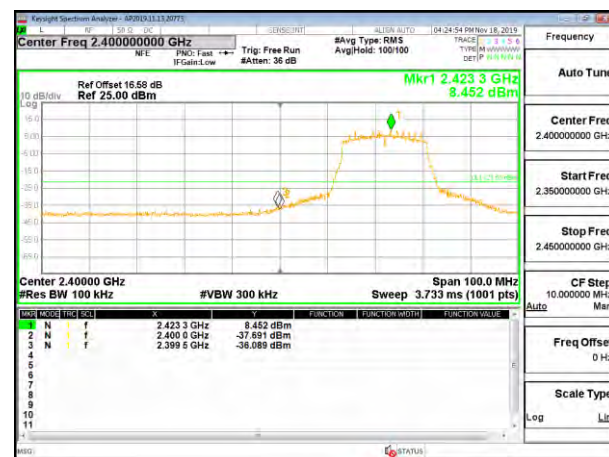LOW CHANNEL 1 BANDEDGE LAT 3

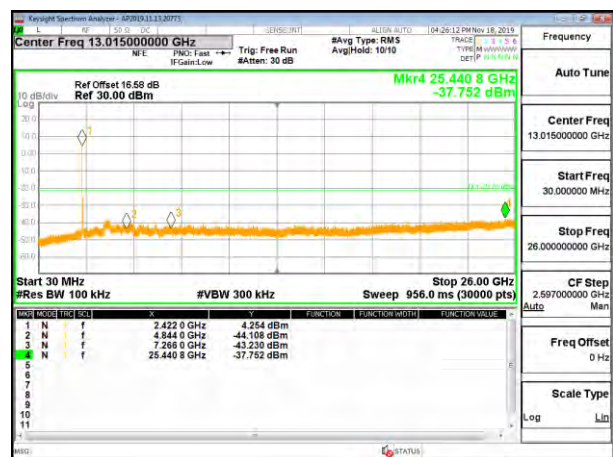OUT-OF-BAND LOW CHANNEL 1 LAT 3
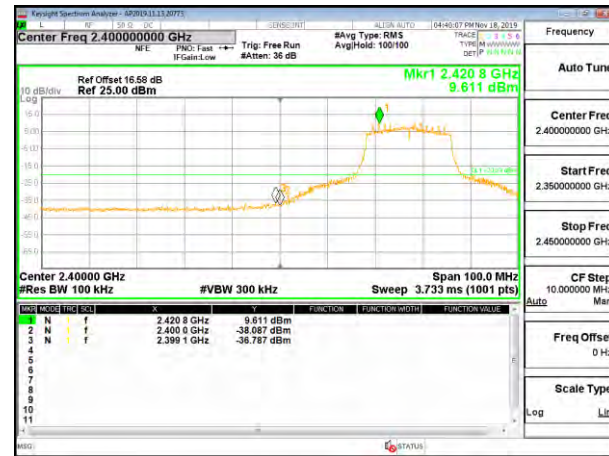

LOW CHANNEL 2 BANDEDGE LAT 3
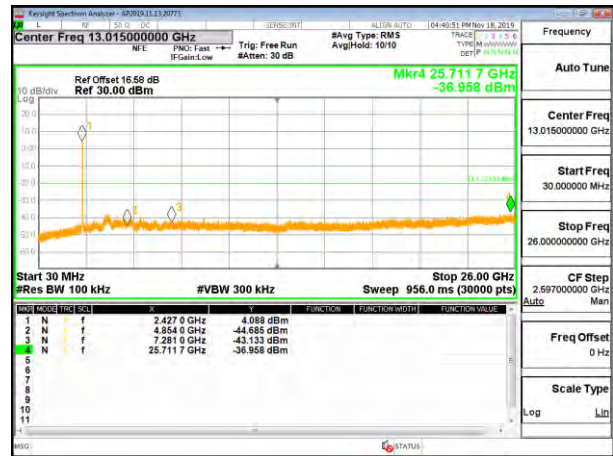

OUT-OF-BAND LOW CHANNEL 2 LAT 3
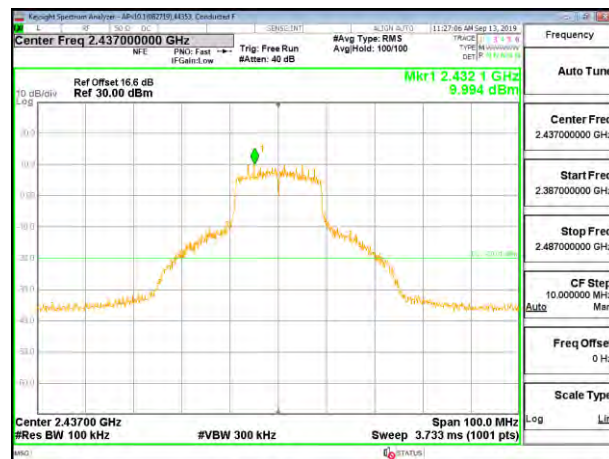

LOW CHANNEL 3 BANDEDGE LAT 3
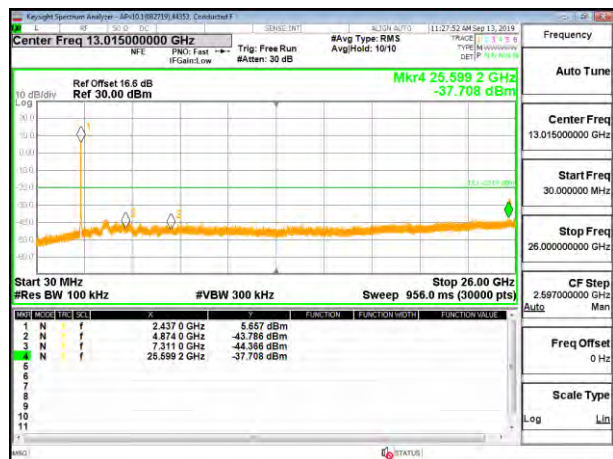

OUT-OF-BAND LOW CHANNEL 3 LAT 3
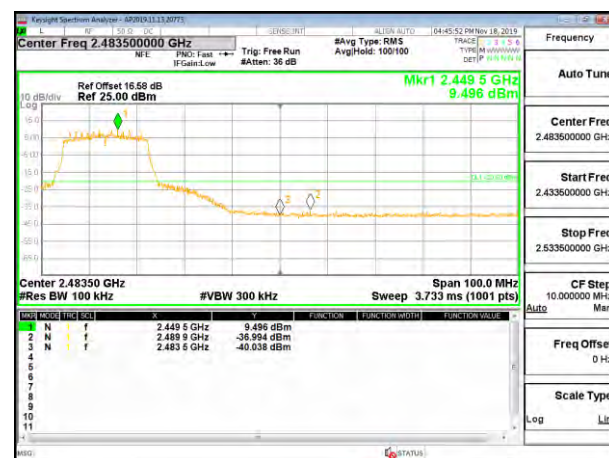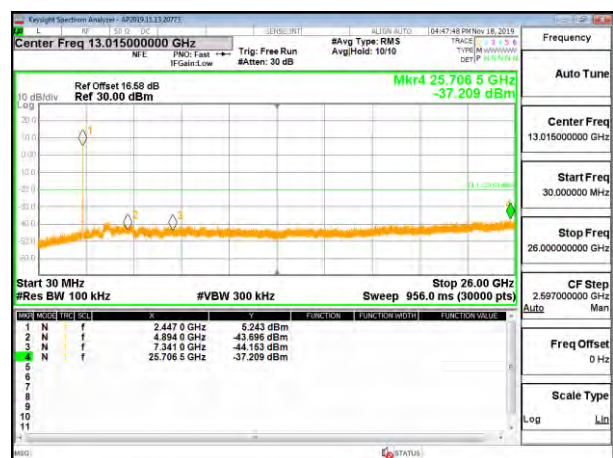
LOW CHANNEL 4 BANDEDGE LAT 3

OUT-OF-BAND LOW CHANNEL 4 LAT 3
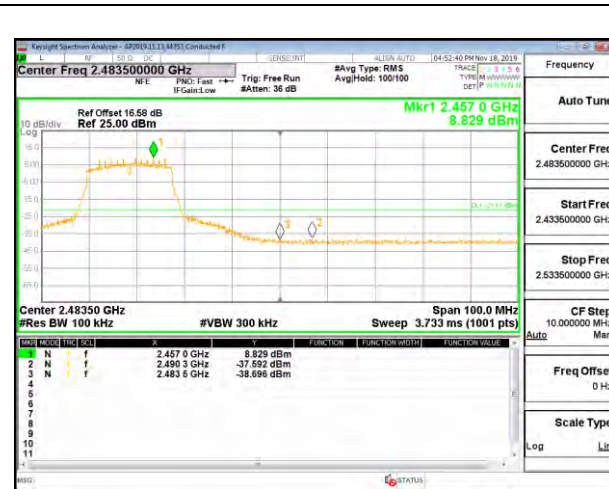

IN-BAND REFERENCE LEVEL LAT 3

OUT-OF-BAND MID CHANNEL LAT 3

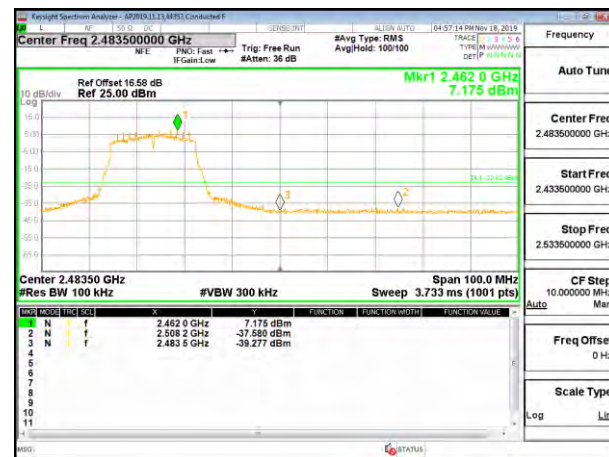**HIGH CHANNEL 8 BANDEDGE LAT 3**

OUT-OF-BAND HIGH CHANNEL 8 LAT 3

HIGH CHANNEL 9 BANDEDGE LAT 3

OUT-OF-BAND HIGH CHANNEL 9 LAT 3

HIGH CHANNEL 10 BANDEDGE LAT 3

OUT-OF-BAND HIGH CHANNEL 10 LAT 3

HIGH CHANNEL 11 BANDEDGE LAT 3

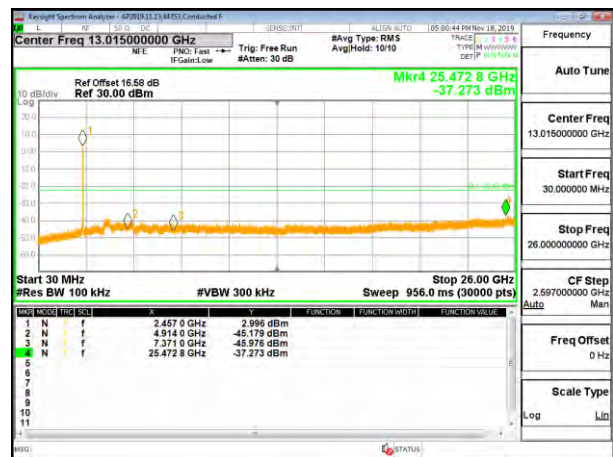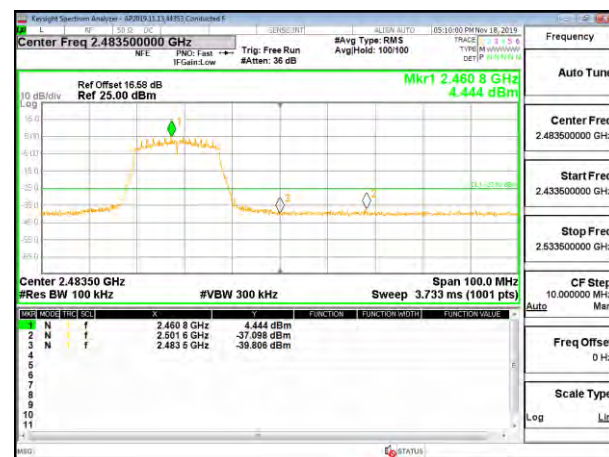**OUT-OF-BAND HIGH CHANNEL 11 LAT 3**

HIGH CHANNEL 12 BANDEDGE LAT 3

OUT-OF-BAND HIGH CHANNEL 12 LAT 3

HIGH CHANNEL 13 BANDEDGE LAT 3
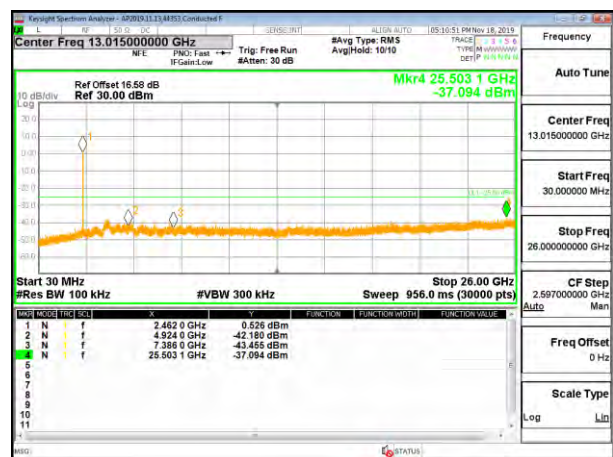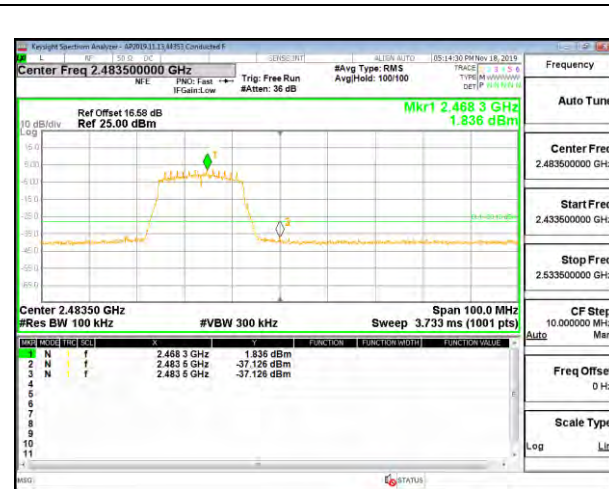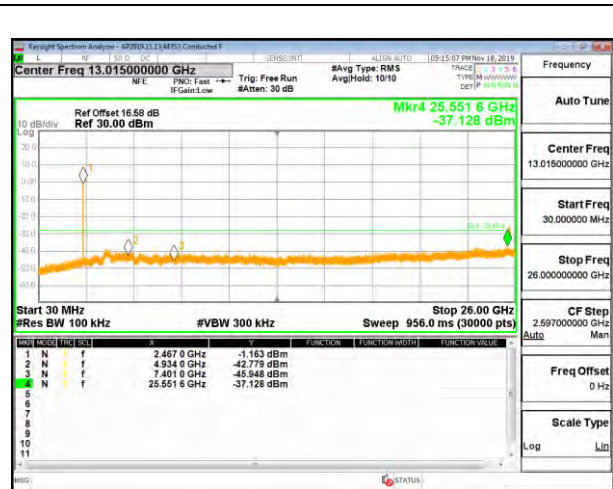

OUT-OF-BAND HIGH CHANNEL 13 LAT 3

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