HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

CHANNEL 142 UAT 2

CHANNEL 142 LAT 3

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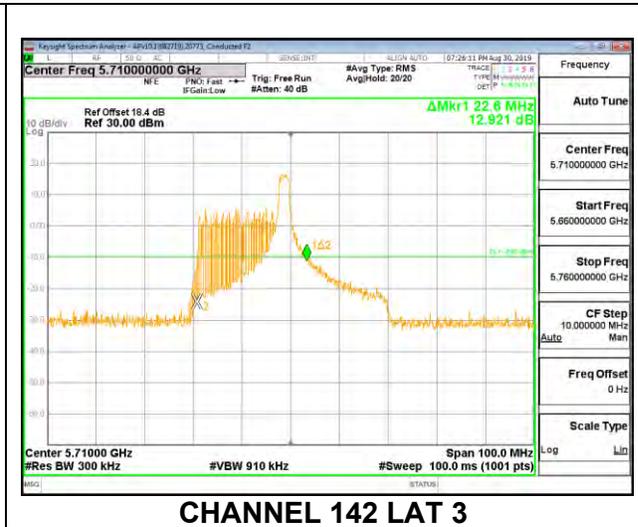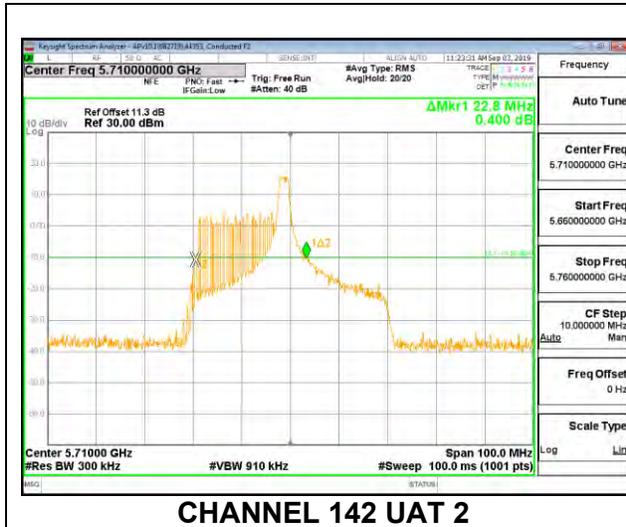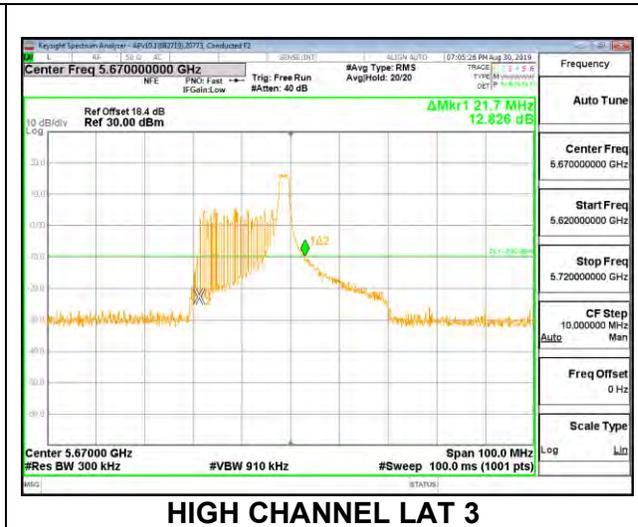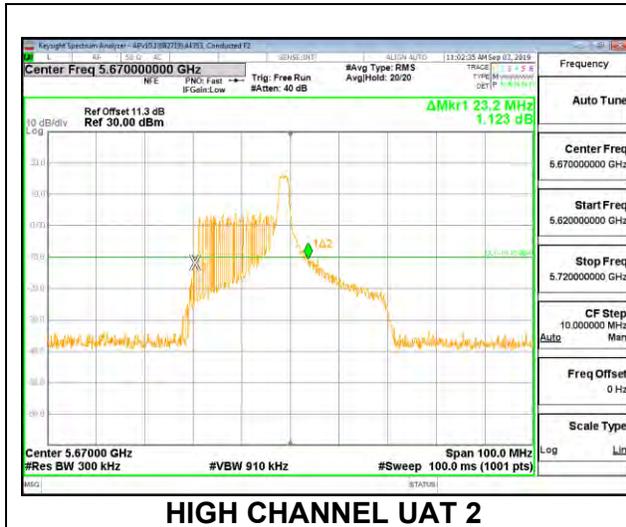*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5510	22.60	22.70
Mid	5550	23.90	21.30
High	5670	23.20	21.70
142	5710	22.80	22.60

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

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HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

CHANNEL 142 UAT 2

CHANNEL 142 LAT 3

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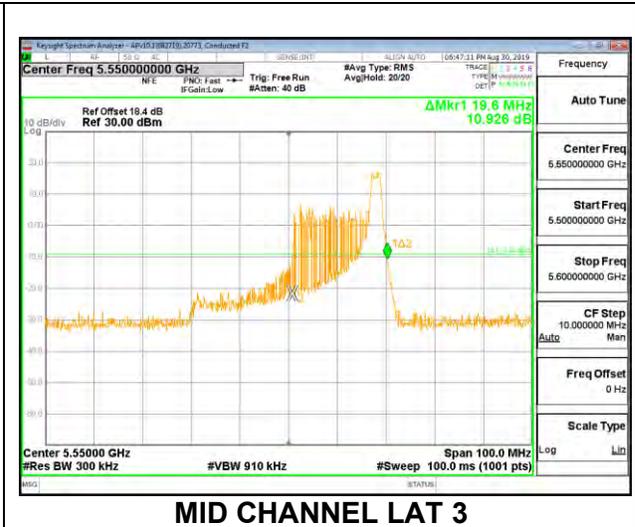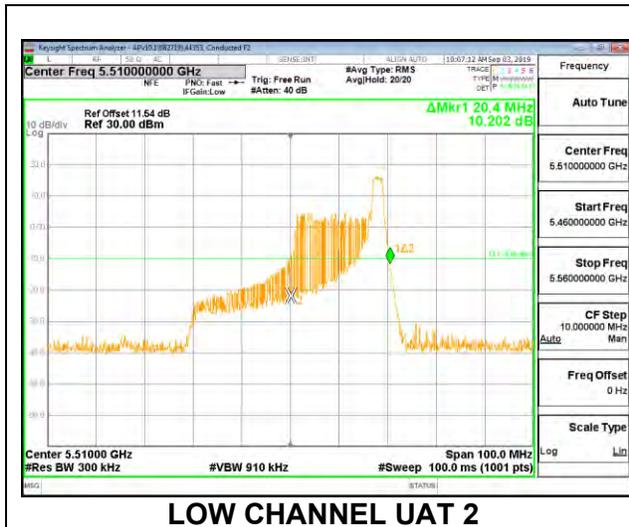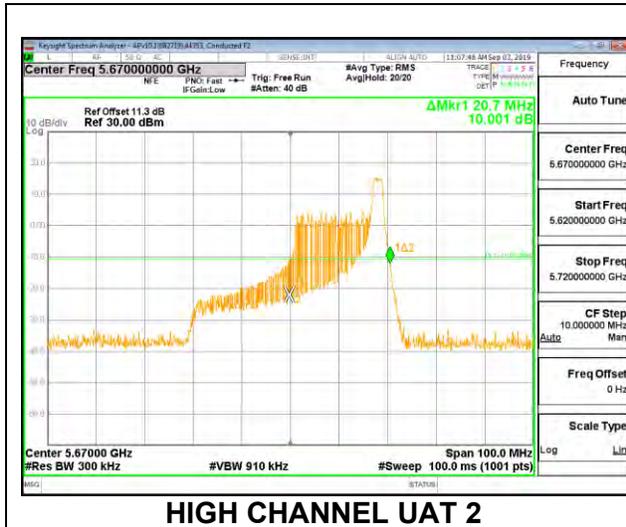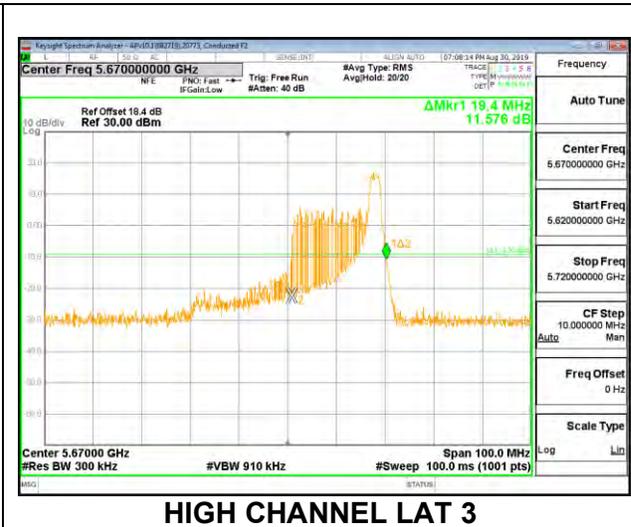
2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5510	20.40	19.70
Mid	5550	20.40	19.60
High	5670	20.70	19.40
142	5710	20.80	19.70

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2
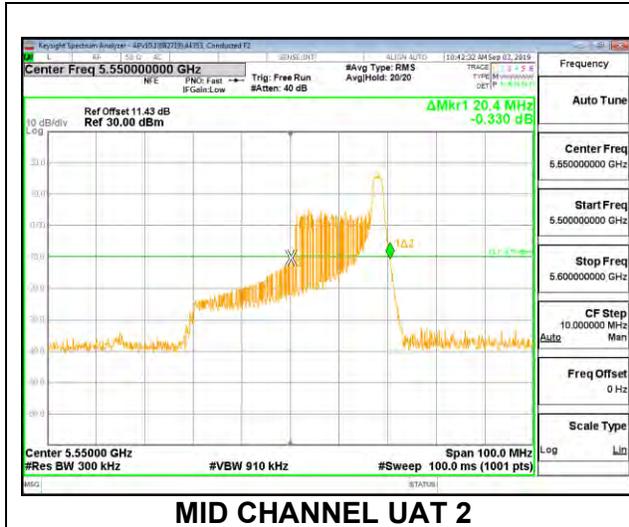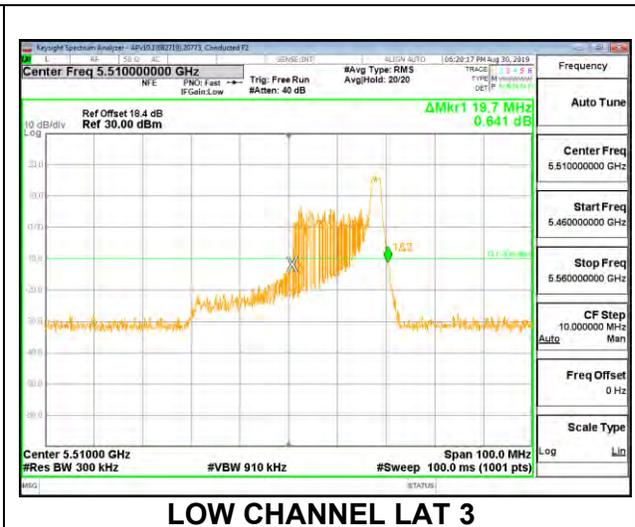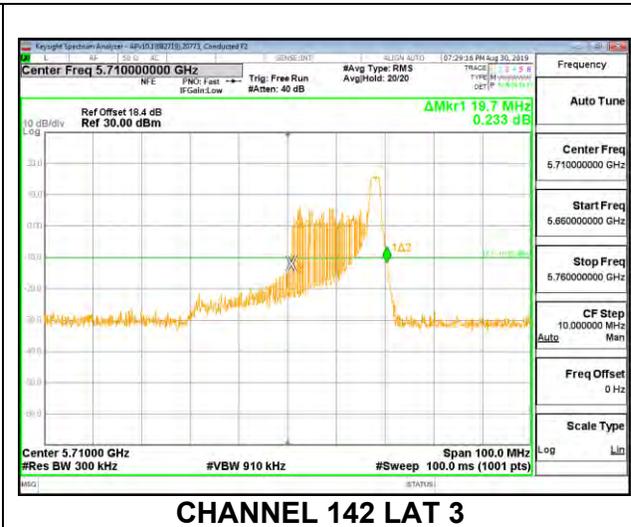

MID CHANNEL LAT 3

HIGH CHANNEL UAT 2
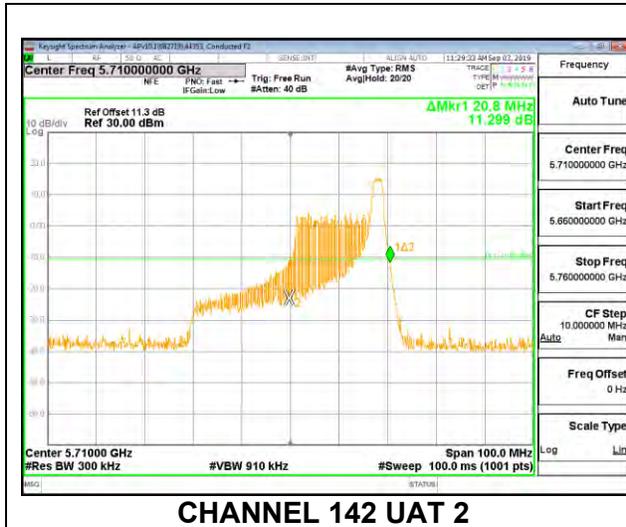
HIGH CHANNEL LAT 3
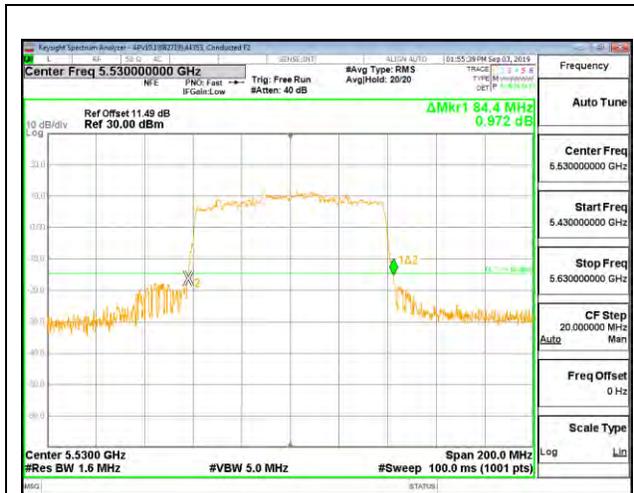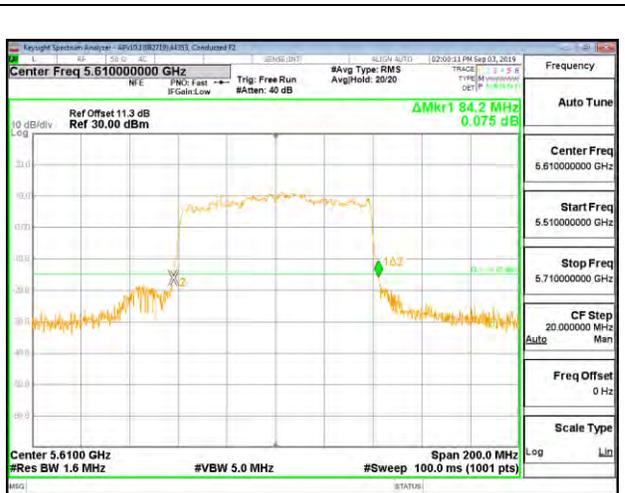

CHANNEL 142 UAT 2

CHANNEL 142 LAT 3

8.2.18.   802.11ax HE80 MODE IN THE 5.6 GHz BAND

1TX UAT 2 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	84.40
High	5610	84.20
138	5690	84.00

LOW CHANNEL

HIGH CHANNEL

CHANNEL 138

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1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	20.40
High	5610	20.40
138	5690	20.40
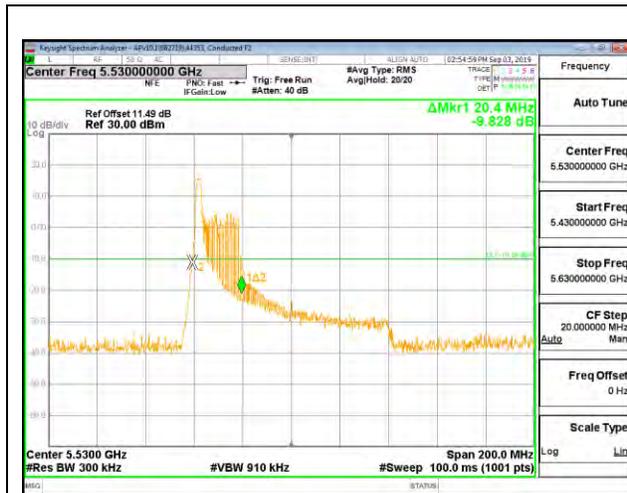
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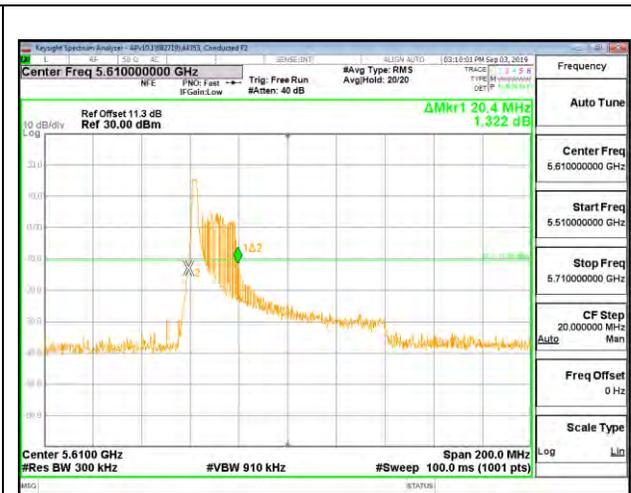
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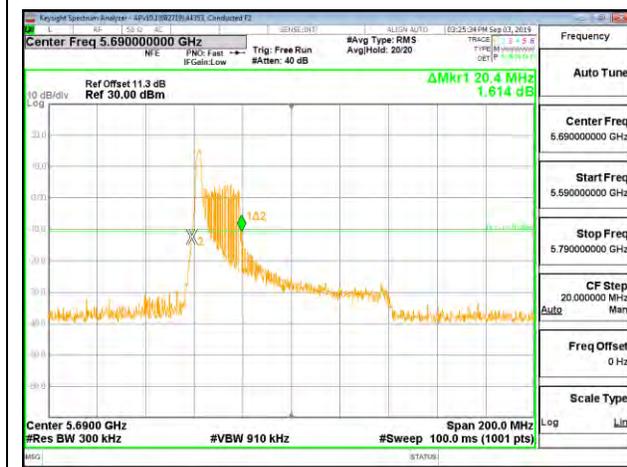
CHANNEL 138

1TX UAT 2 MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	41.00
High	5610	41.20
138	5690	40.20

LOW CHANNEL

HIGH CHANNEL

CHANNEL 138

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1TX UAT 2 MODE – 26 Tones, RU Index 36

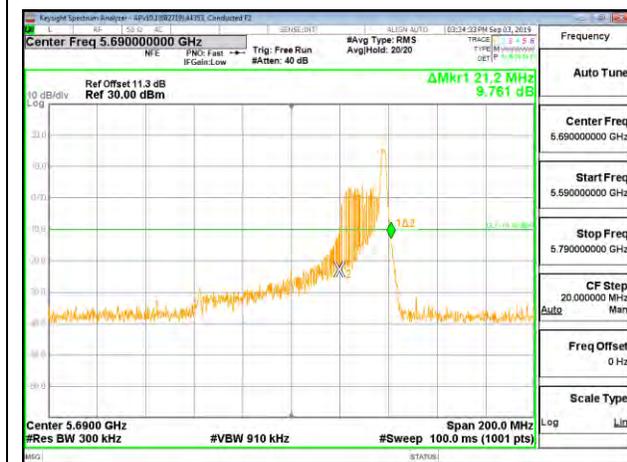| Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	21.00
High	5610	21.00
138	5690	21.20
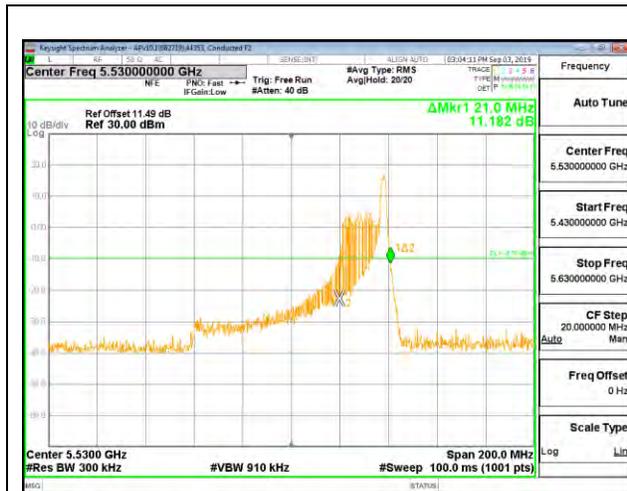
LOW CHANNEL
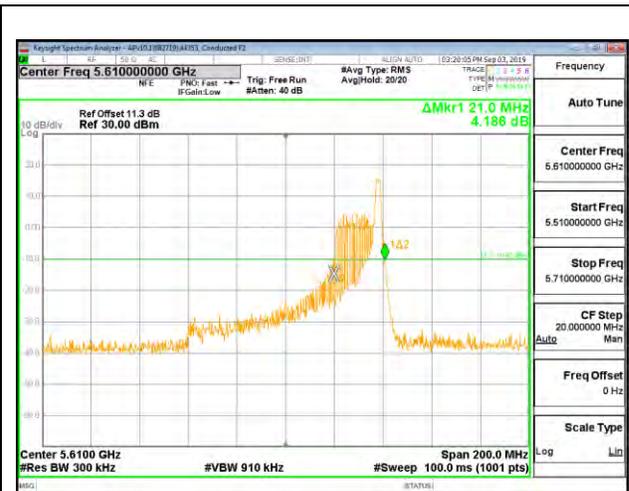
HIGH CHANNEL
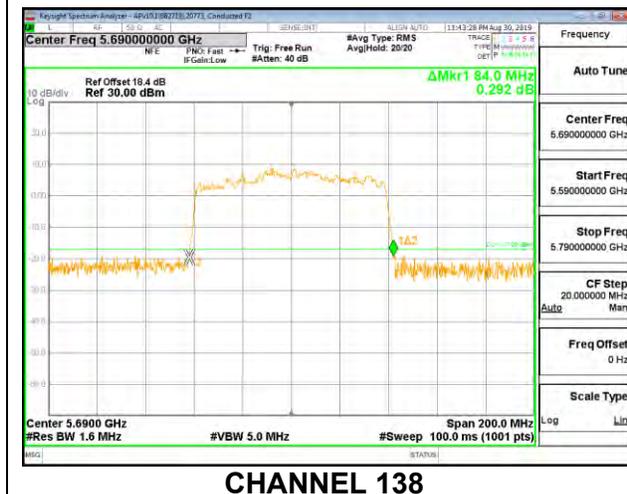

CHANNEL 138

1TX LAT 3 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	84.20
High	5610	83.80
138	5690	84.00
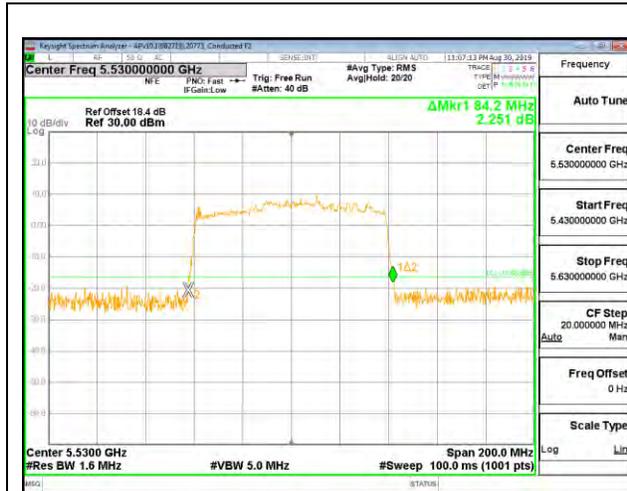
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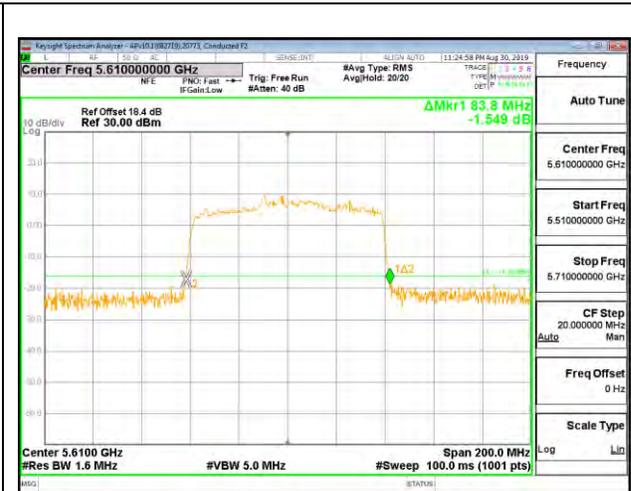
HIGH CHANNEL

CHANNEL 138

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1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	20.00
High	5610	20.00
138	5690	20.20
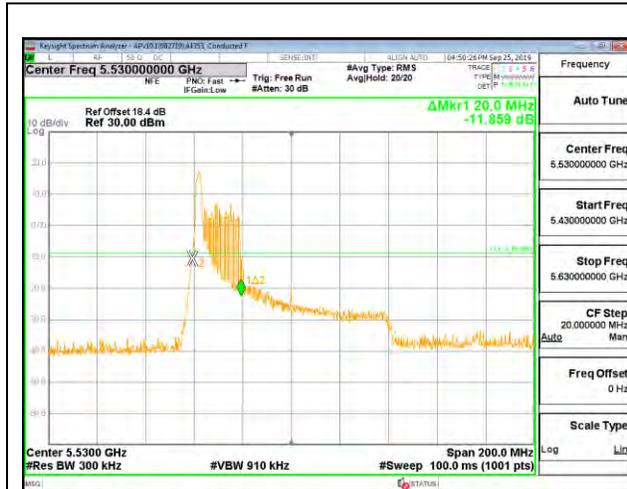
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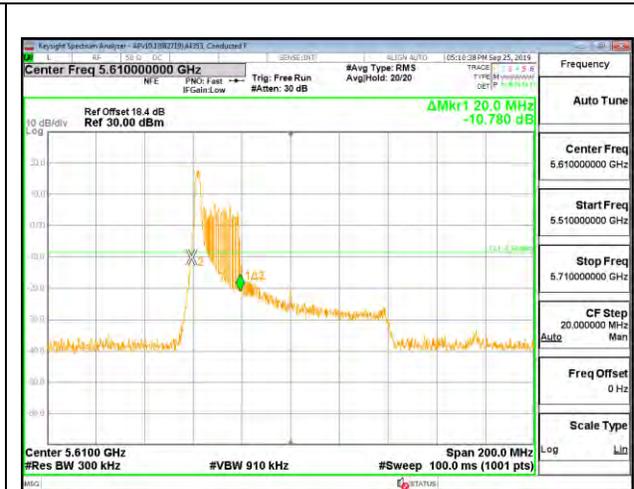
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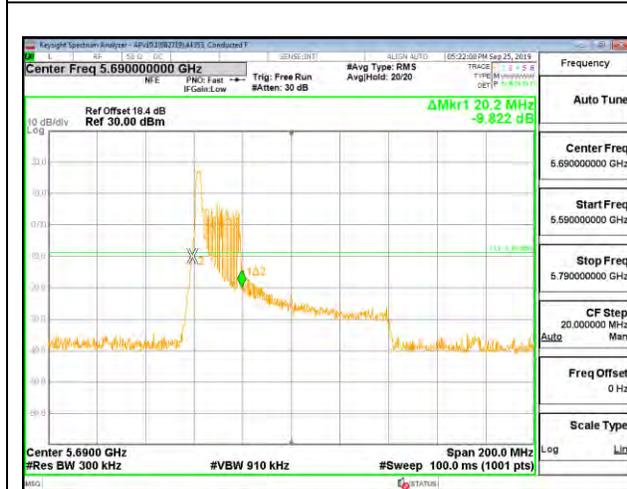
CHANNEL 138

1TX LAT 3 MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	39.00
High	5610	39.40
138	5690	39.00
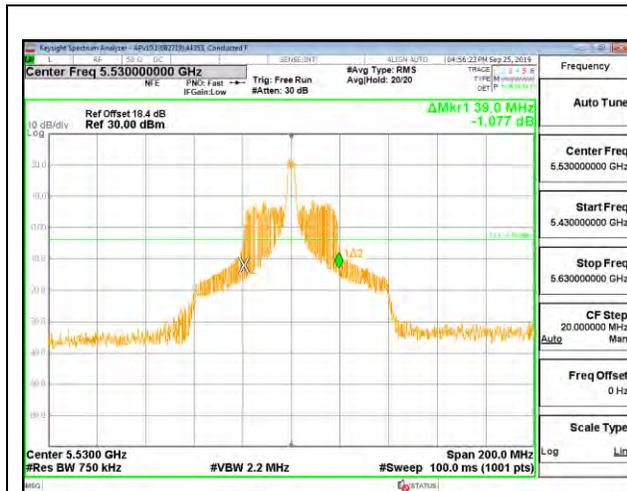
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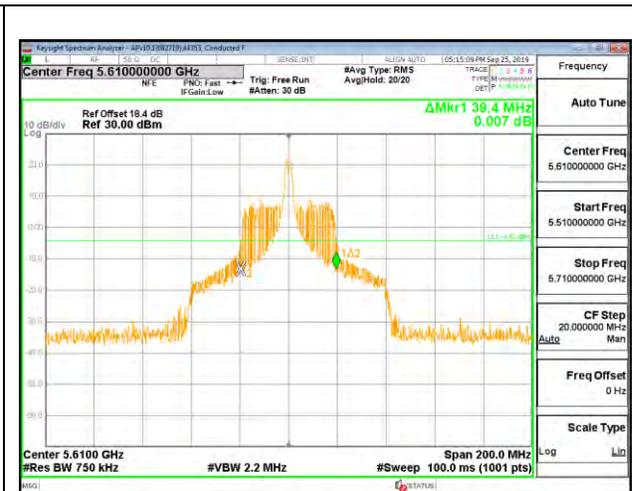
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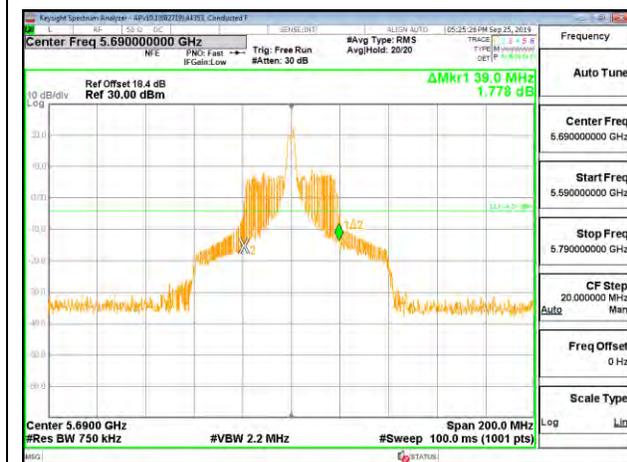
CHANNEL 138

1TX LAT 3 MODE – 26 Tones, RU Index 36
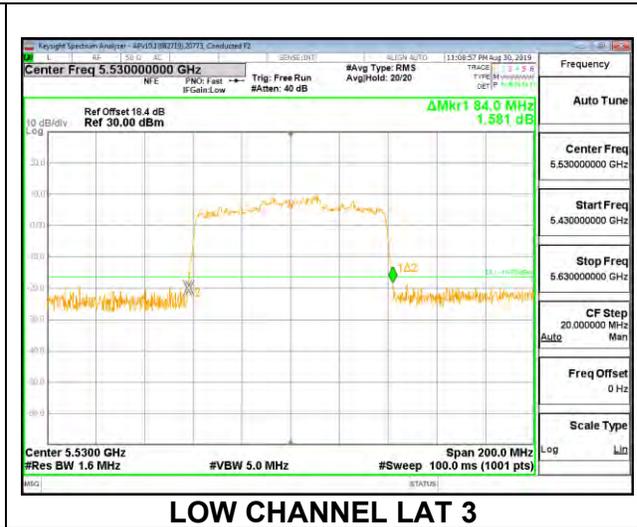
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	19.40
High	5610	20.20
138	5690	19.80
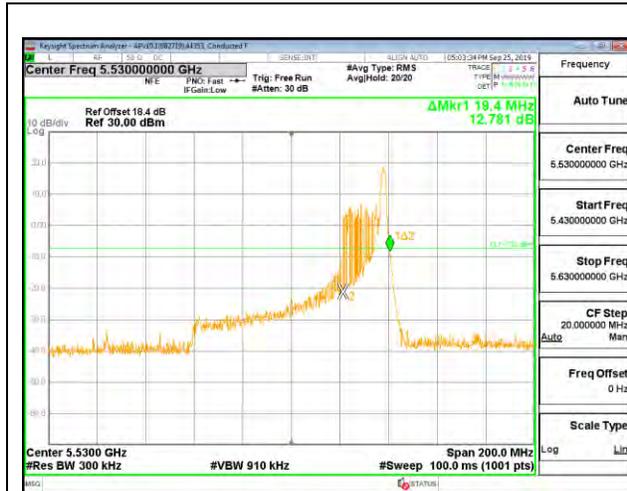
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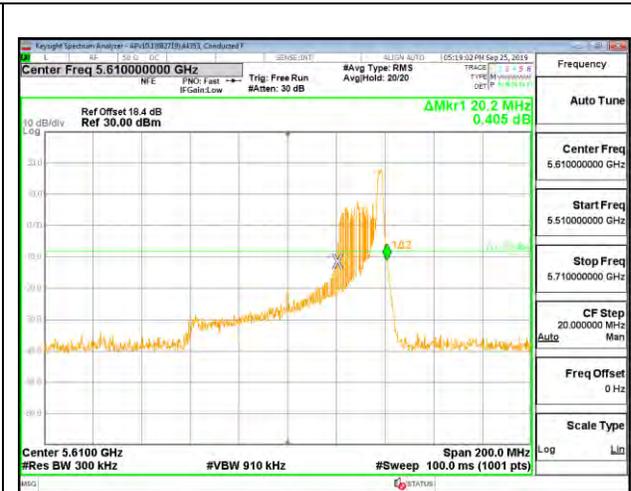
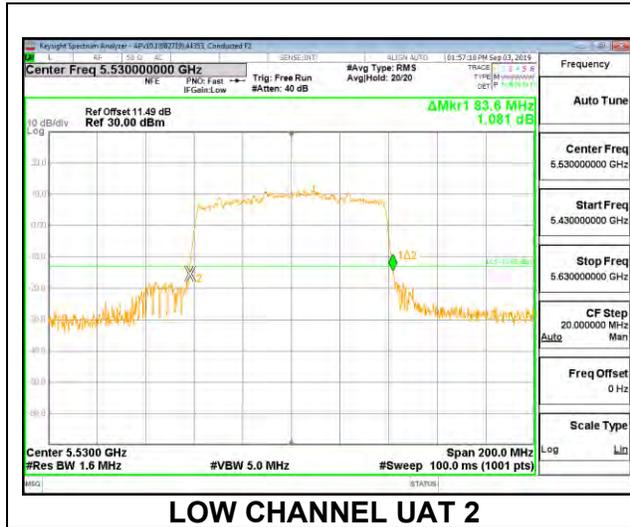
HIGH CHANNEL
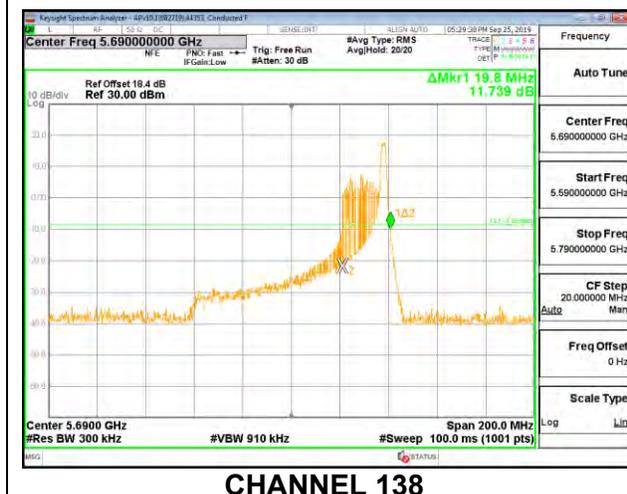
CHANNEL 138

2TX UAT 2 + LAT 3 OFDMA MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5530	83.60	84.00
High	5610	84.20	83.60
138	5690	83.80	83.60
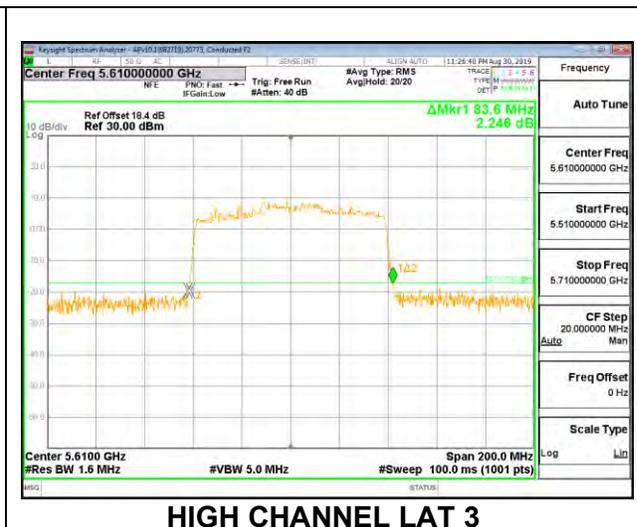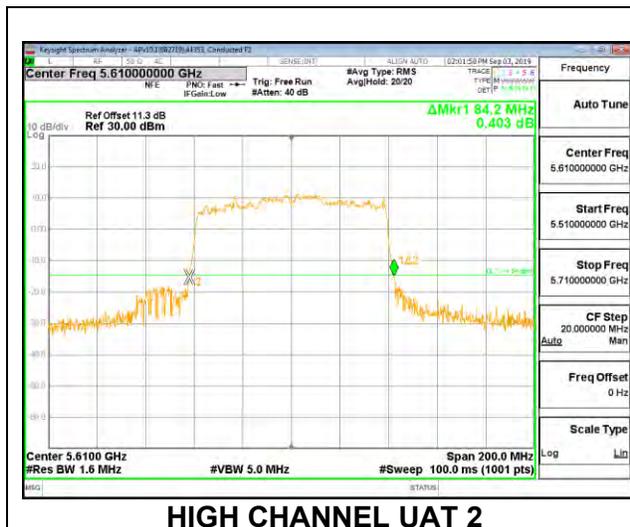
LOW CHANNEL UAT 2	LOW CHANNEL LAT 3
HIGH CHANNEL UAT 2	HIGH CHANNEL LAT 3

CHANNEL 138 UAT 2	CHANNEL 138 LAT 3

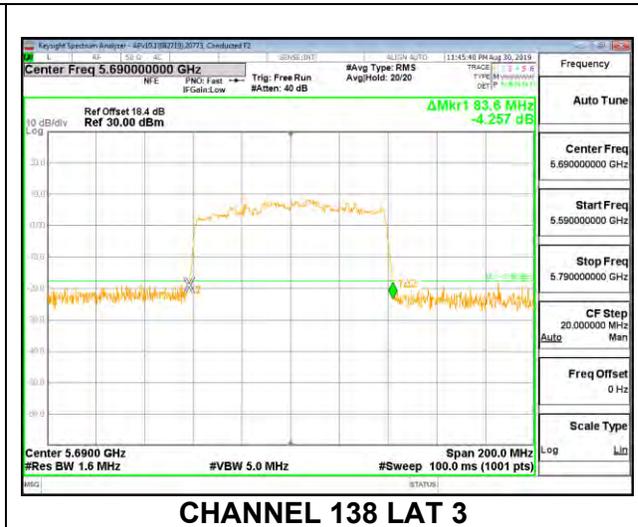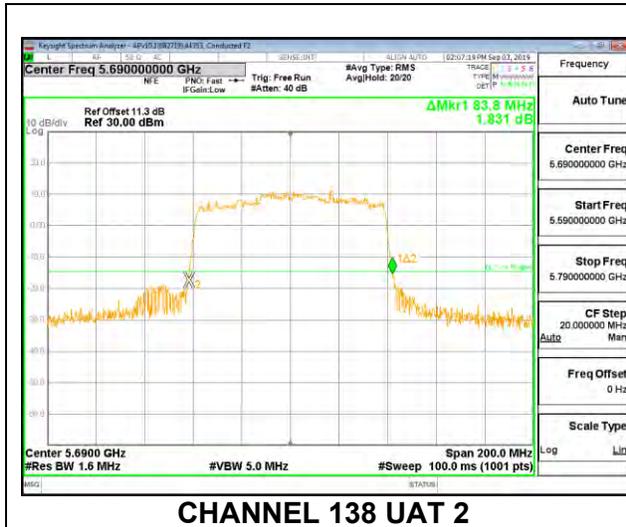**2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 0**

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5530	20.20	20.00
High	5610	20.20	19.80
138	5690	20.20	20.00
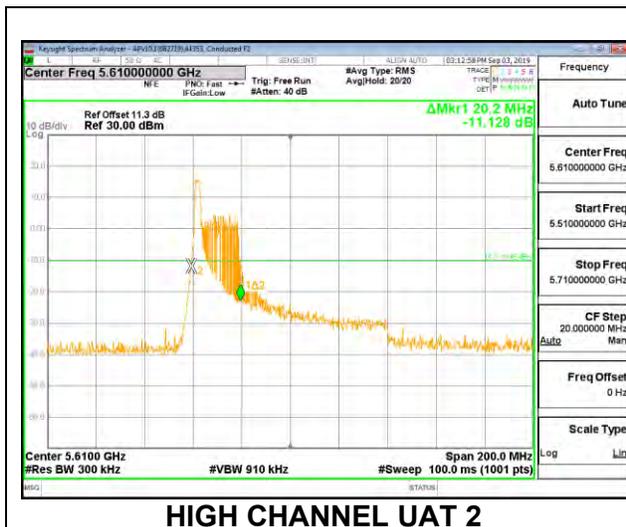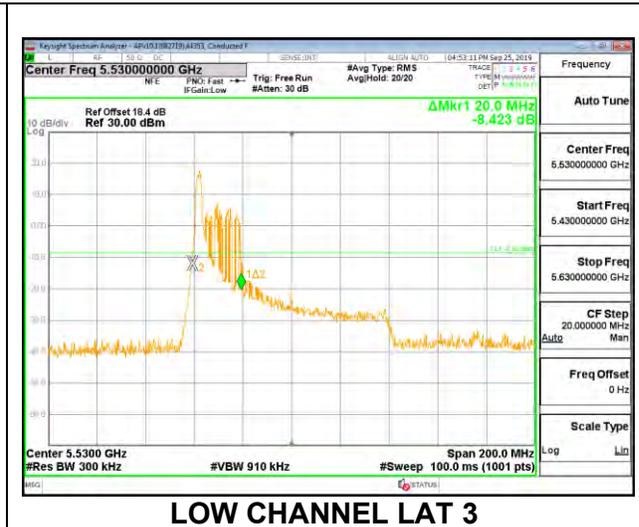
LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

| CHANNEL 138 UAT 2 | CHANNEL 138 LAT 3 |

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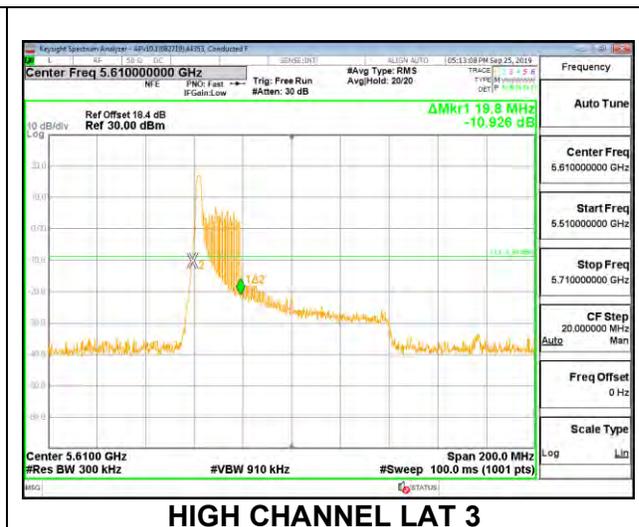
2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 18

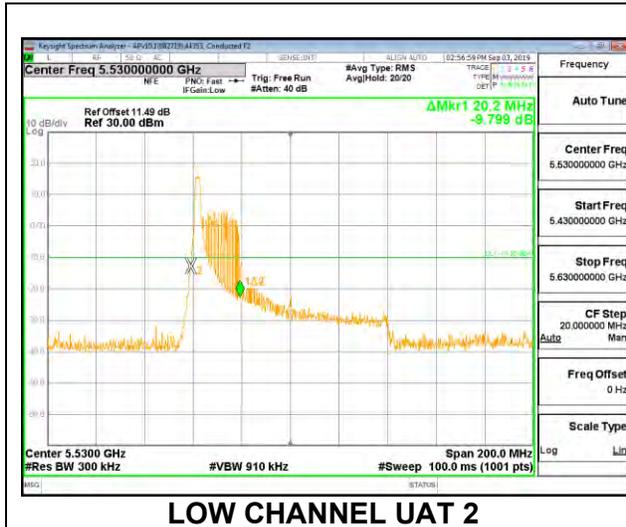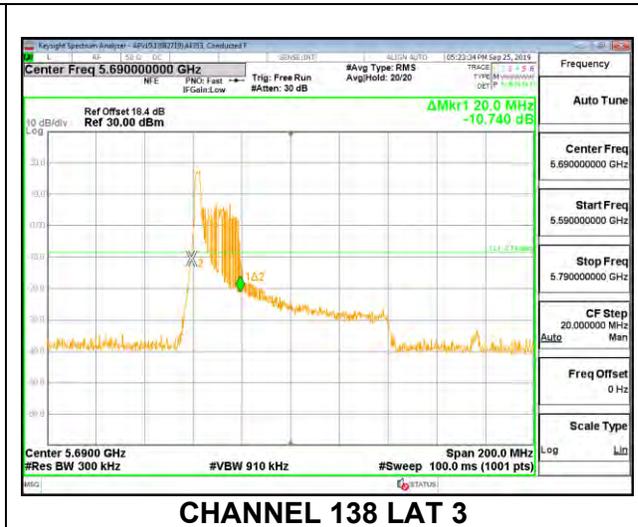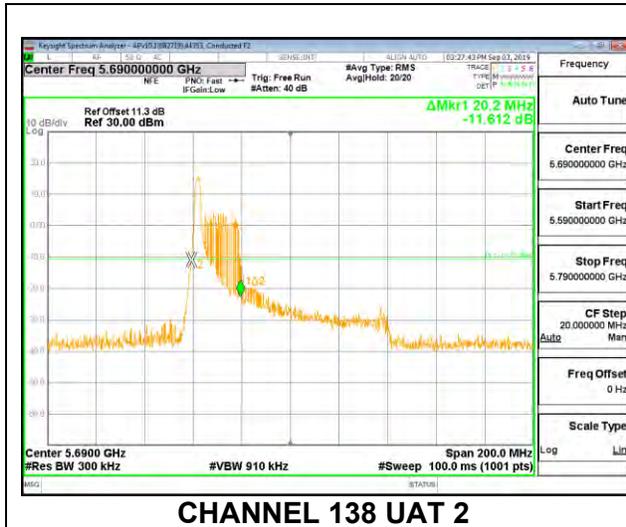| Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5530	40.60	38.80
High	5610	39.80	39.40
138	5690	40.80	39.40
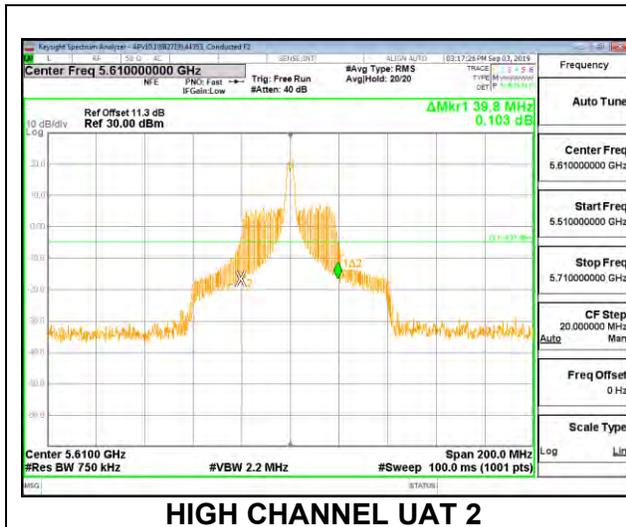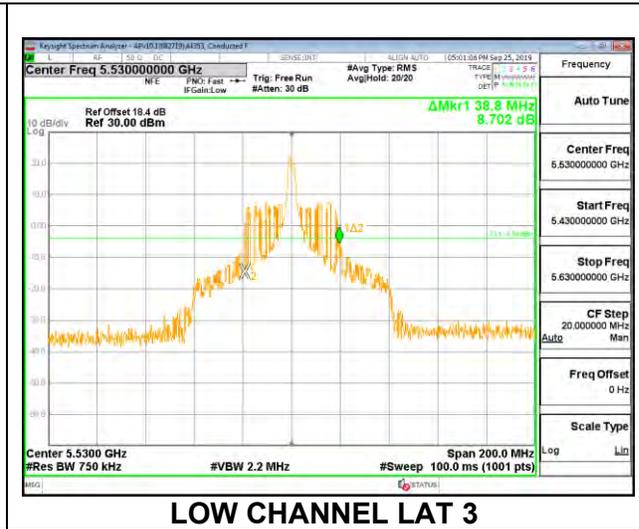
LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

CHANNEL 138 UAT 2

CHANNEL 138 LAT 3

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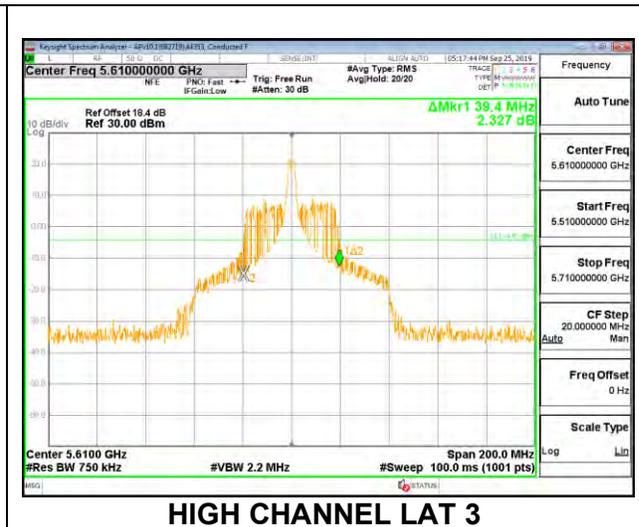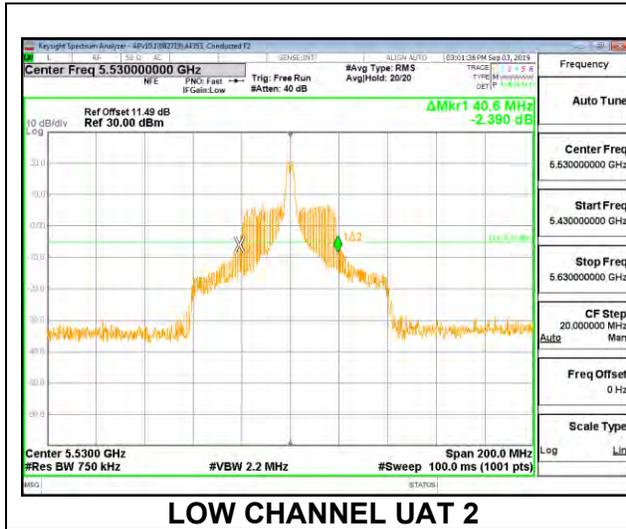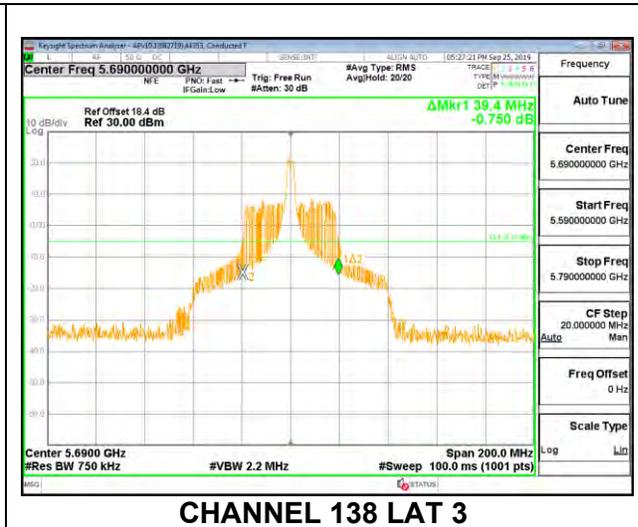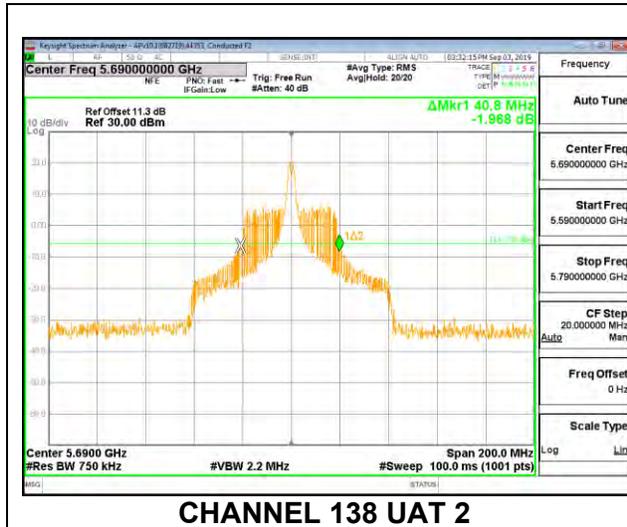
2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 36

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5530	21.20	20.00
High	5610	20.60	19.80
138	5690	21.40	20.20

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

CHANNEL 138 UAT 2
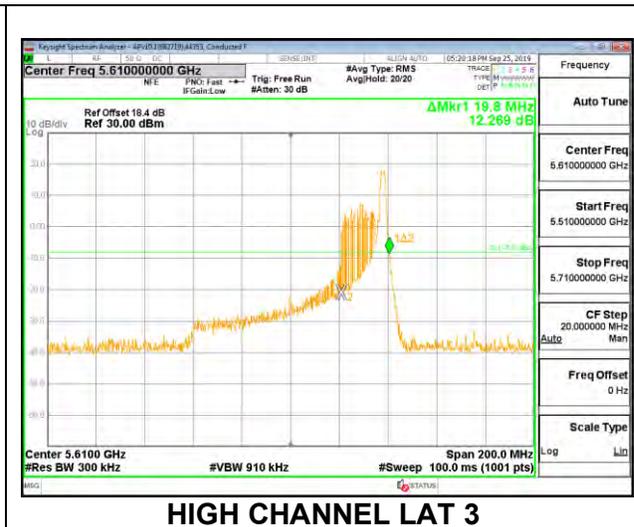

CHANNEL 138 LAT 3
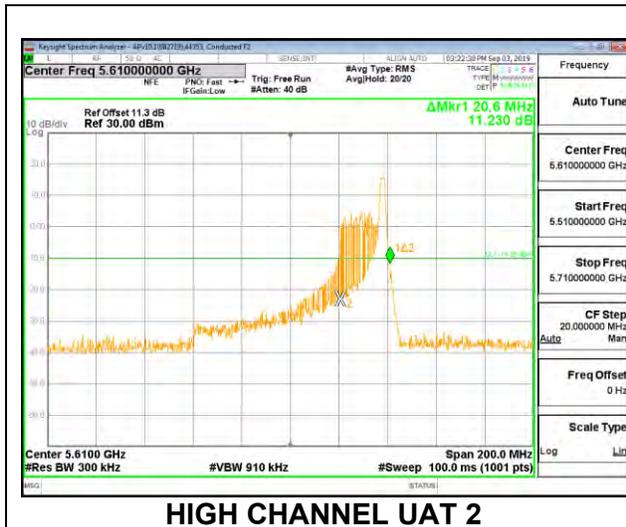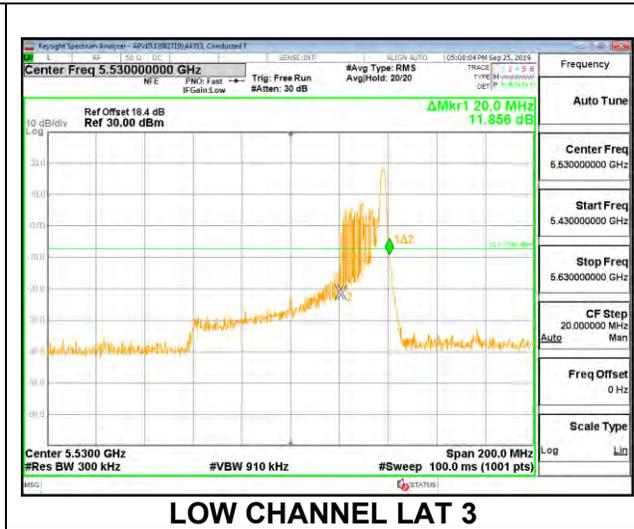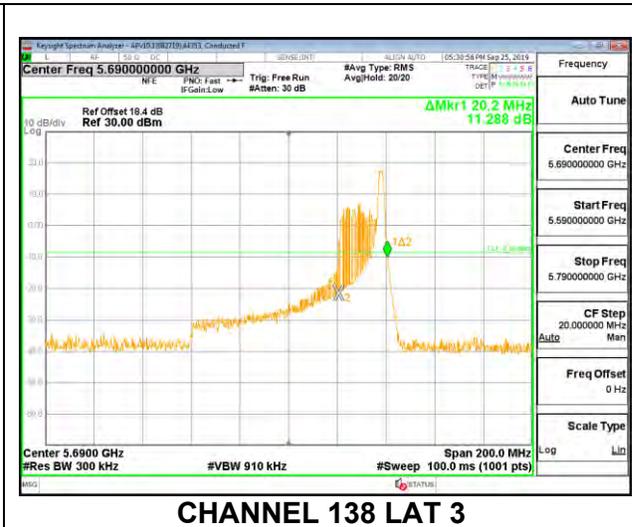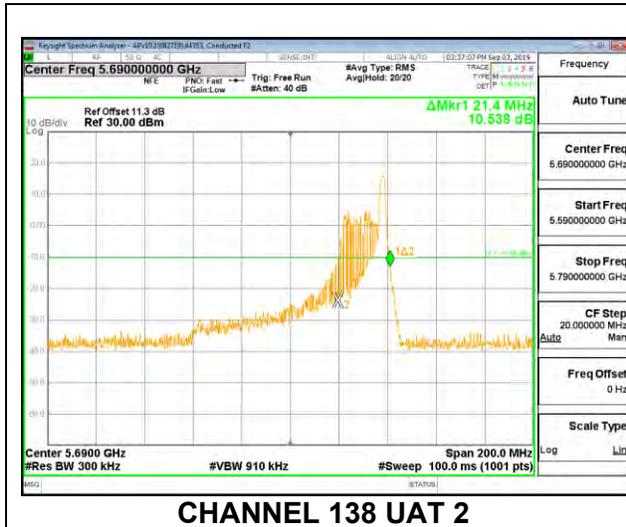
8.2.19.　802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX UAT 2 MODE

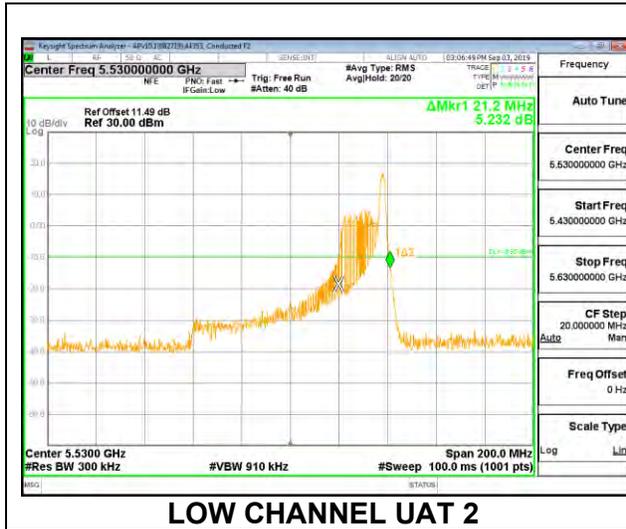| Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5745	22.20
Mid	5785	22.05
High	5825	22.05

LOW CHANNEL

MID CHANNEL

HIGH CHANNEL

1TX LAT 3 MODE
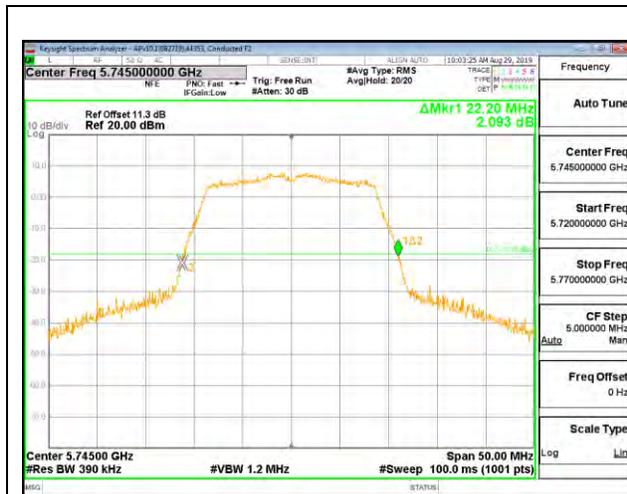
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	22.05
Mid	5785	22.00
High	5825	22.00

LOW CHANNEL
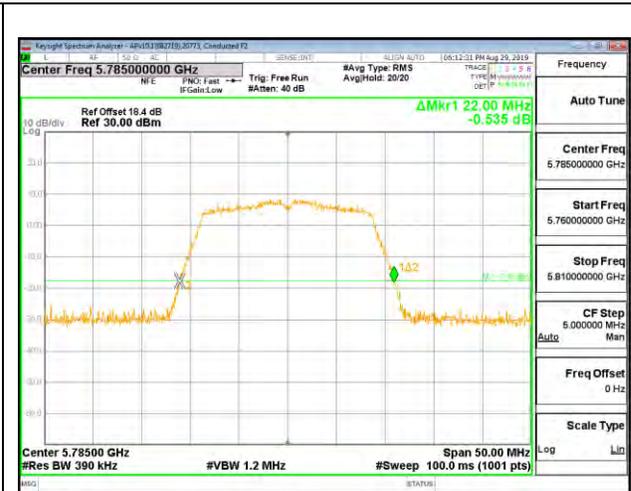
MID CHANNEL
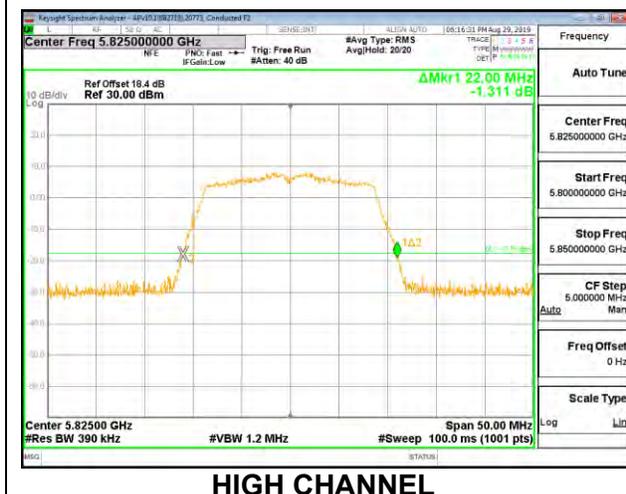
HIGH CHANNEL

2TX UAT 2 + LAT 3 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5745	22.00	21.75
Mid	5785	22.05	21.75
High	5825	22.05	21.65

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

HIGH CHANNEL UAT 2	HIGH CHANNEL LAT 3
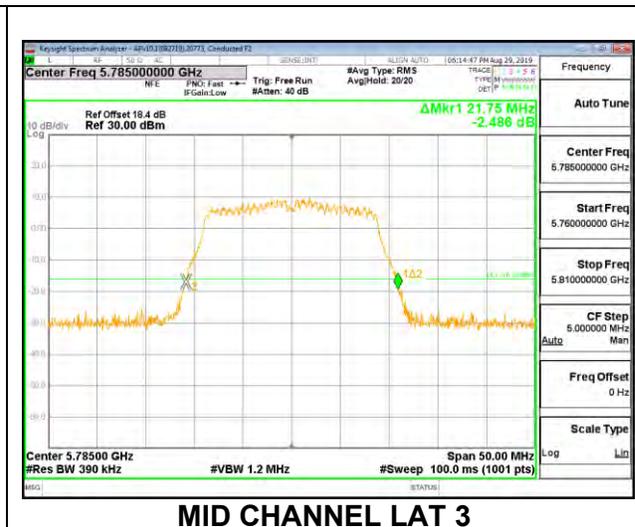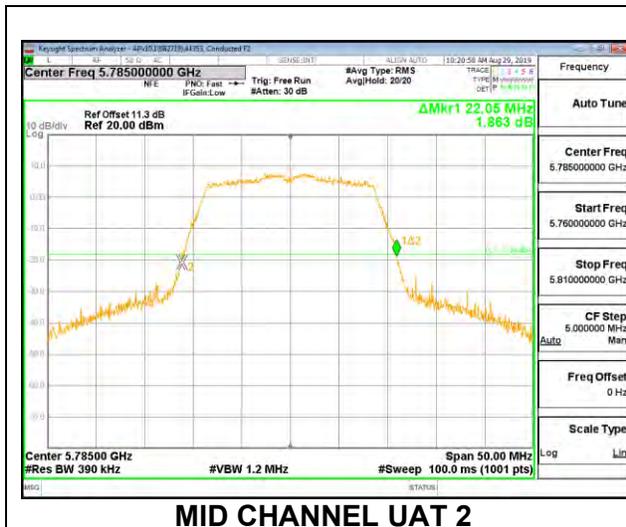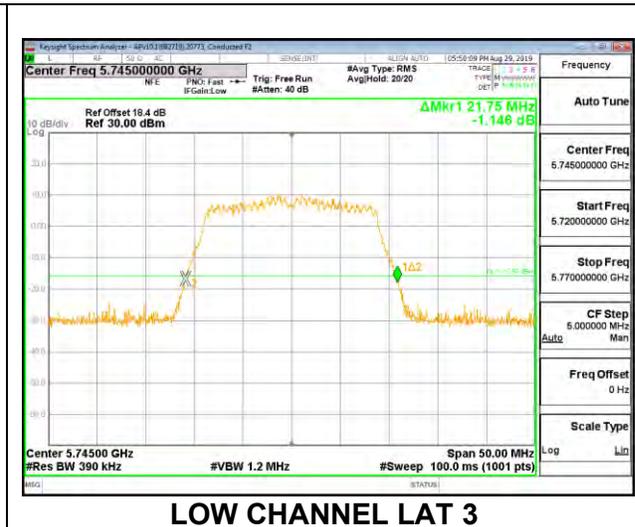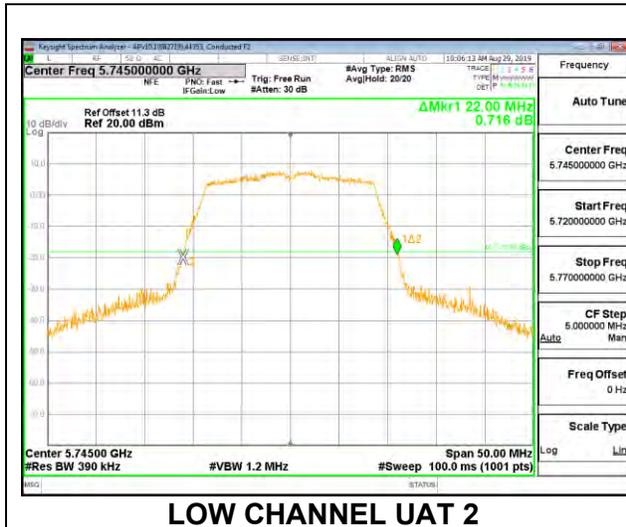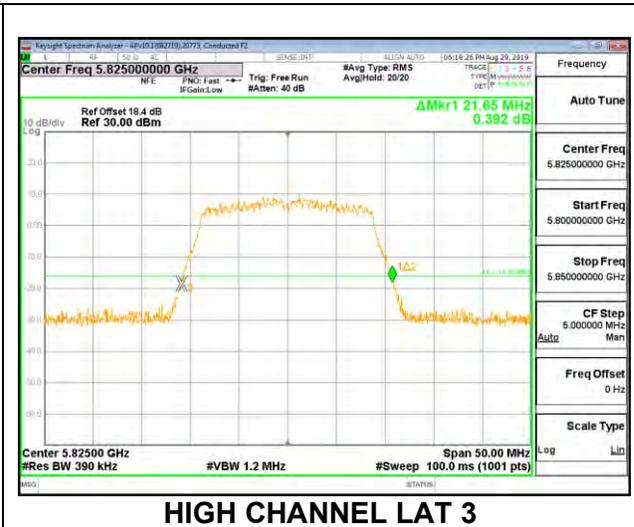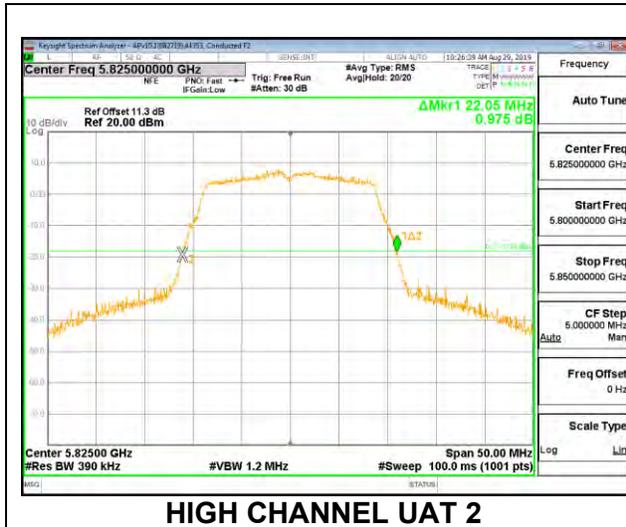
8.2.20.   802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX UAT 2 MODE

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	42.10
High	5795	41.90

LOW CHANNEL	**HIGH CHANNEL**
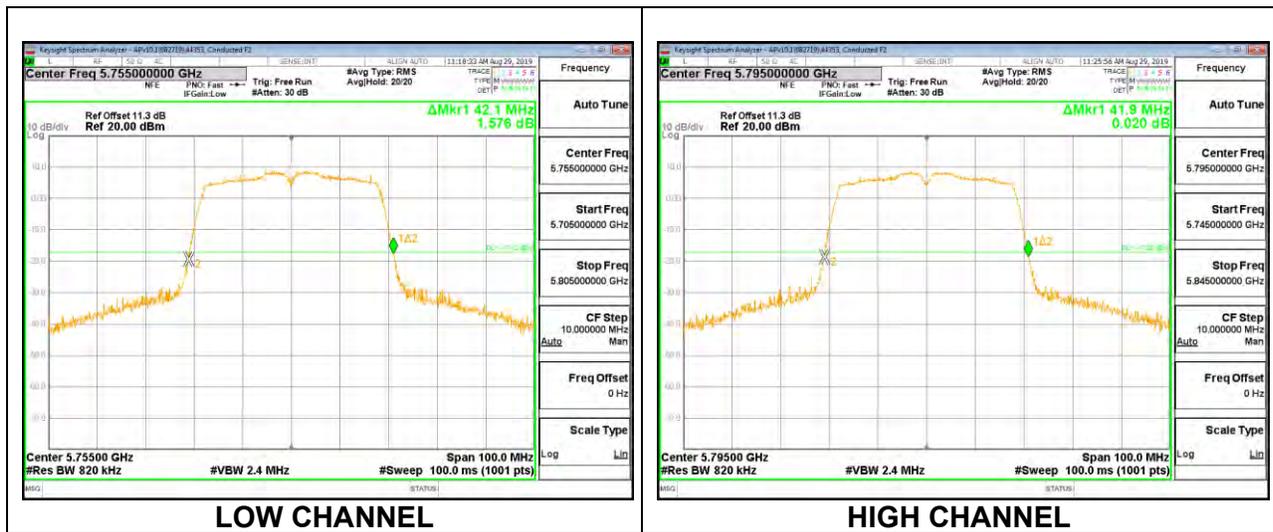
1TX LAT 3 MODE

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	42.00
High	5795	41.80

LOW CHANNEL	**HIGH CHANNEL**

2TX UAT 2 + LAT 3 CDD MODE
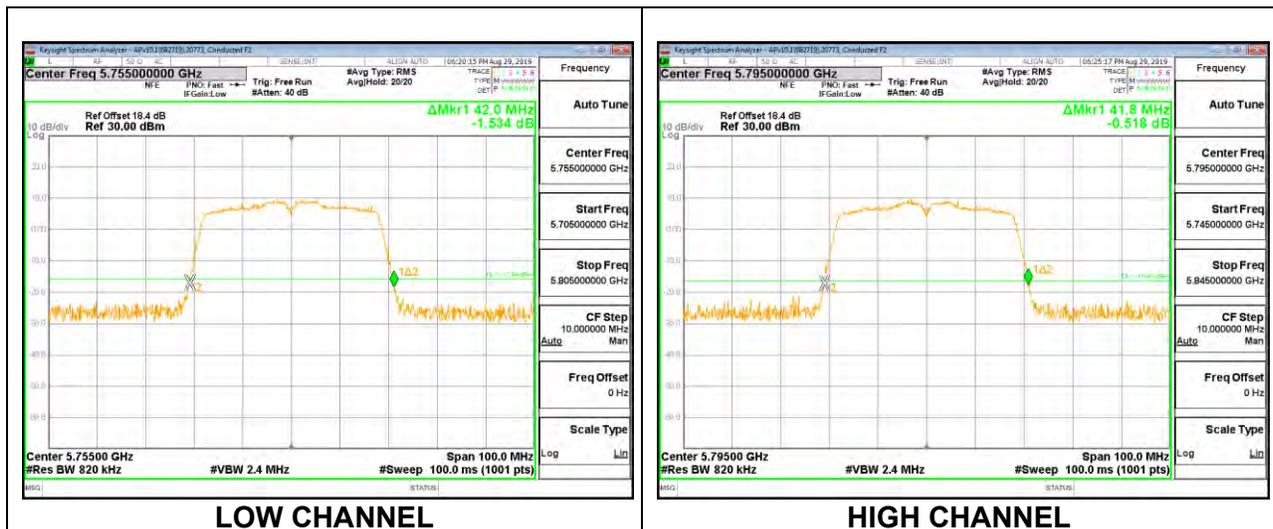
Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5755	42.10	41.70
High	5795	41.90	41.40

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3
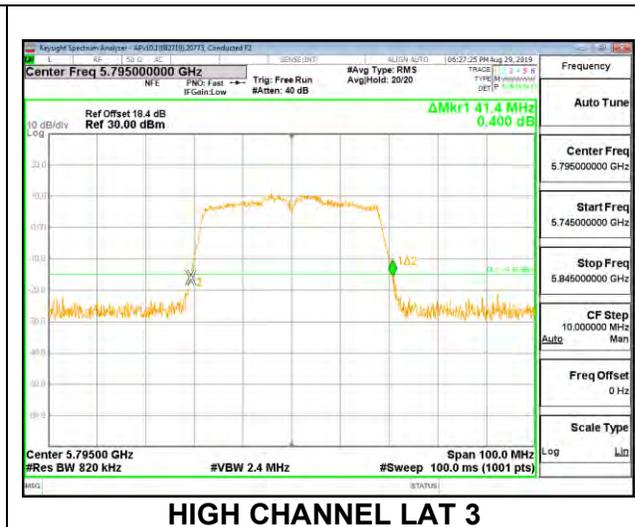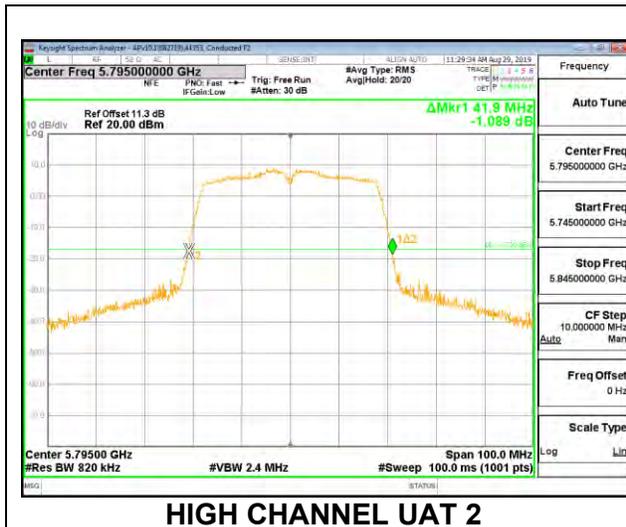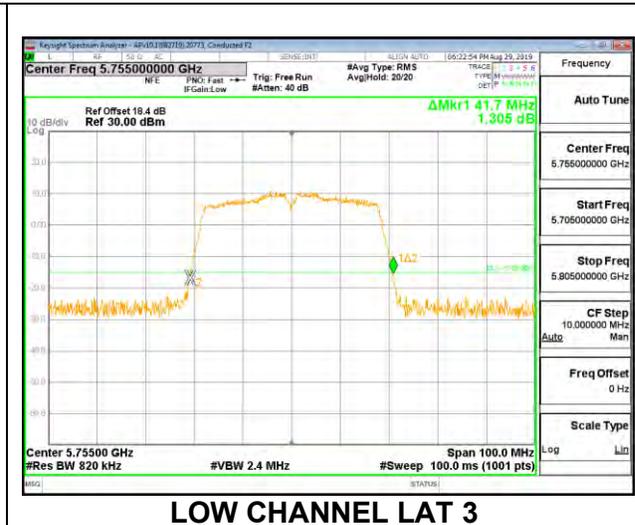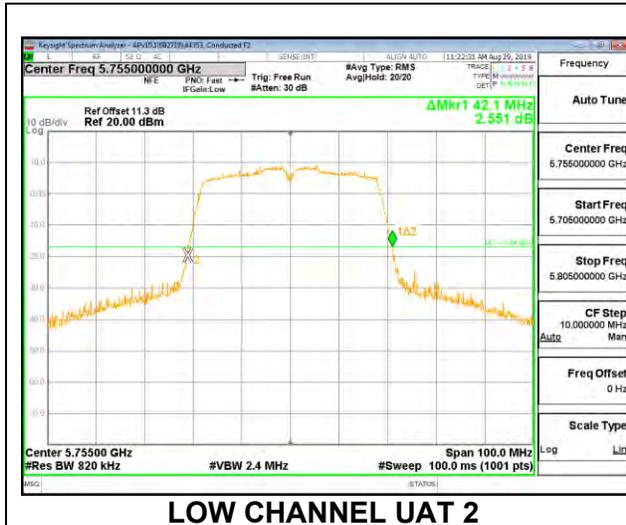
8.2.21. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX UAT 2 MODE

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	84.20

MID CHANNEL

1TX LAT 3 MODE

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	84.20

MID CHANNEL

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2TX UAT 2 + LAT 3 CDD MODE
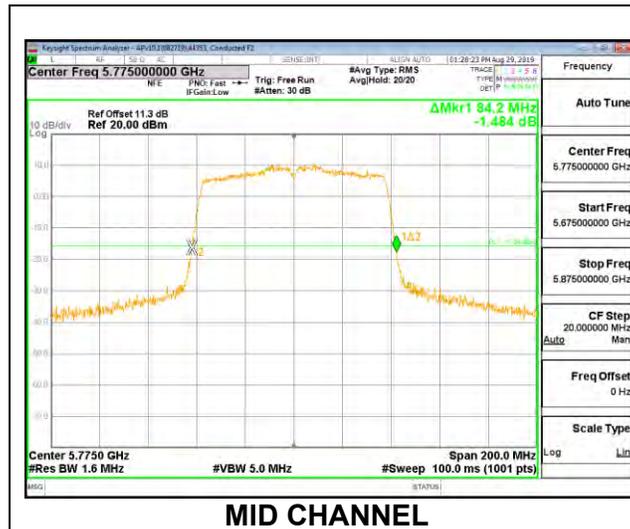
Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Mid	5775	84.40	83.80

MID CHANNEL UAT 2
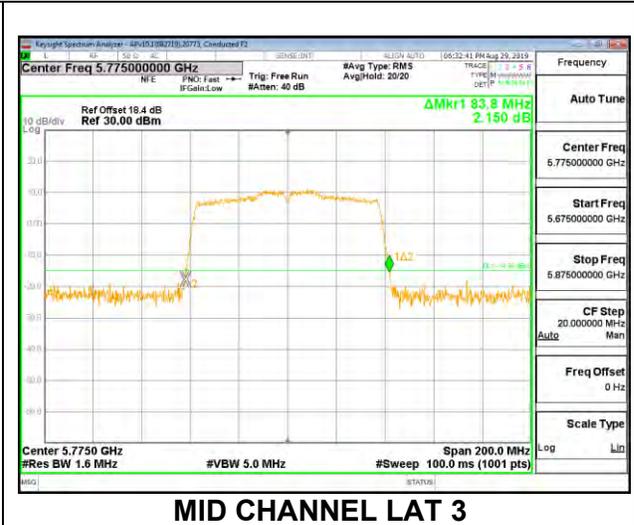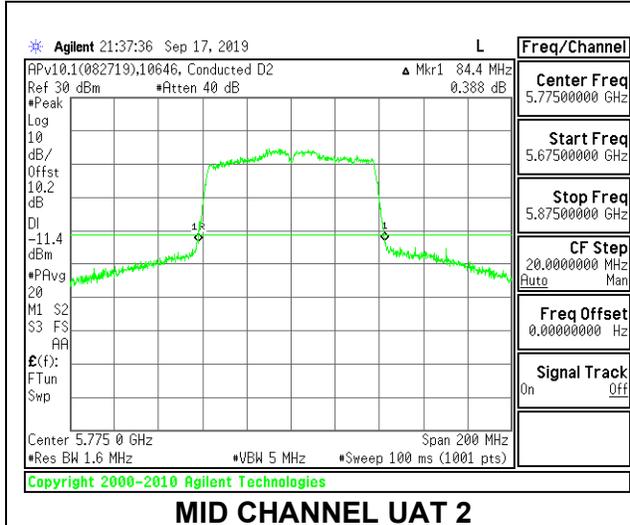
MID CHANNEL LAT 3

8.2.22. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

1TX UAT 2 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	21.75
Mid	5785	21.90
High	5825	21.80

LOW CHANNEL

MID CHANNEL

HIGH CHANNEL

1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	20.40
Mid	5785	20.45
High	5825	20.25
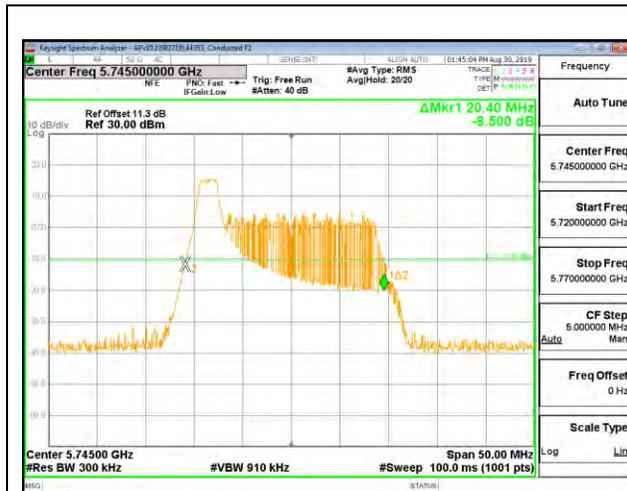
LOW CHANNEL
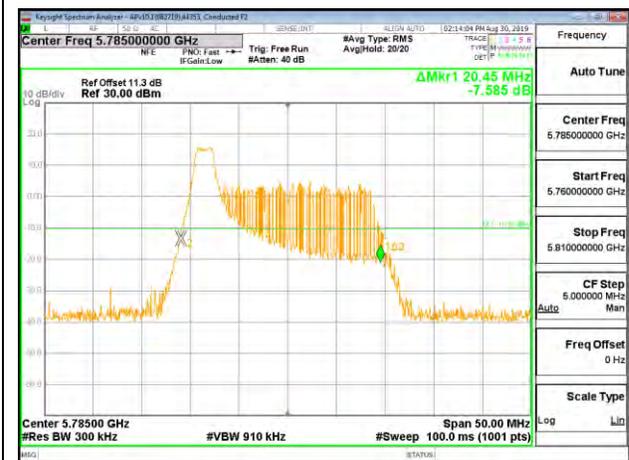
MID CHANNEL
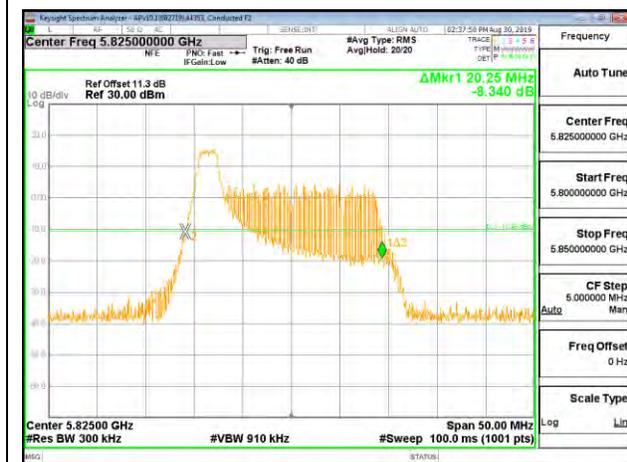
HIGH CHANNEL

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1TX UAT 2 MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	19.70
Mid	5785	19.75
High	5825	19.70
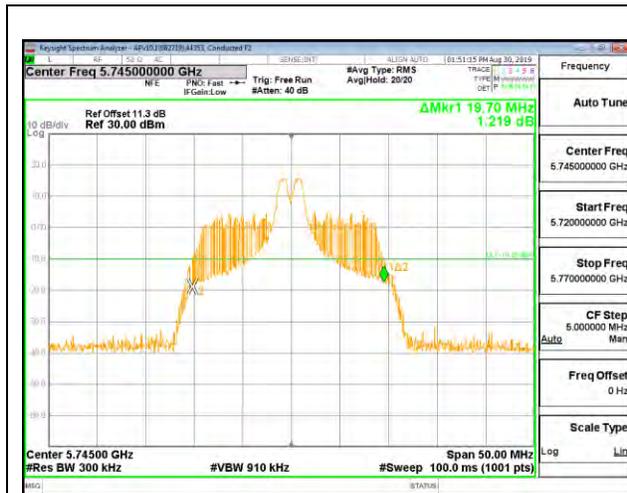
LOW CHANNEL
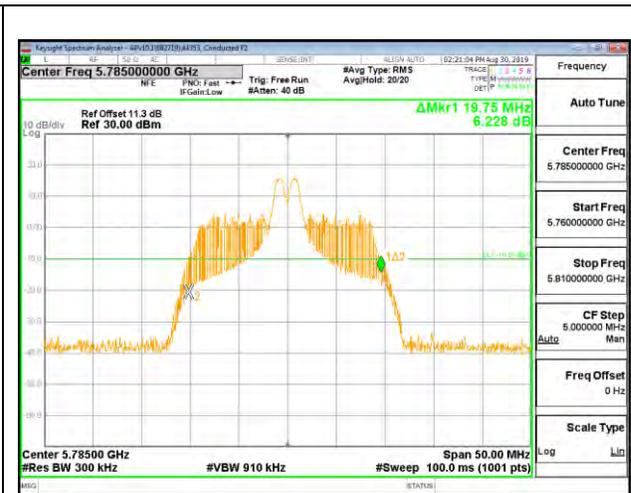
MID CHANNEL
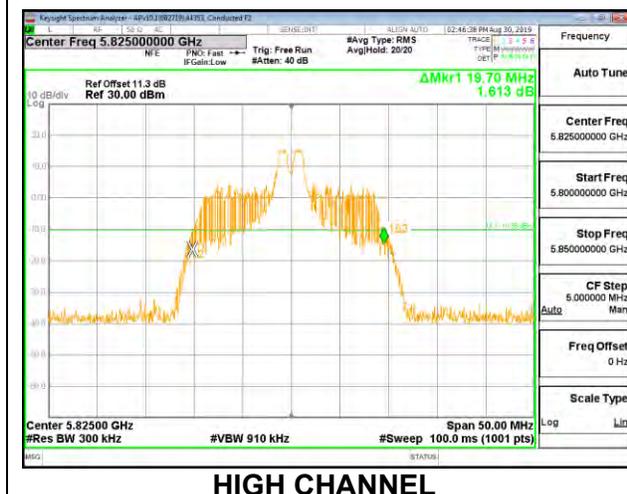
HIGH CHANNEL

1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	20.95
Mid	5785	20.95
High	5825	21.15
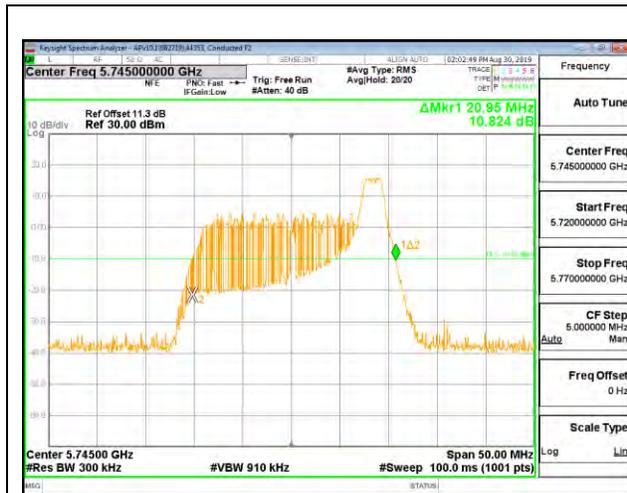
LOW CHANNEL
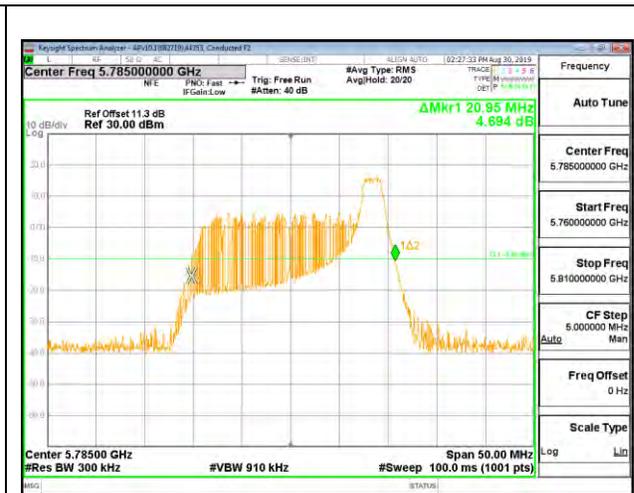
MID CHANNEL
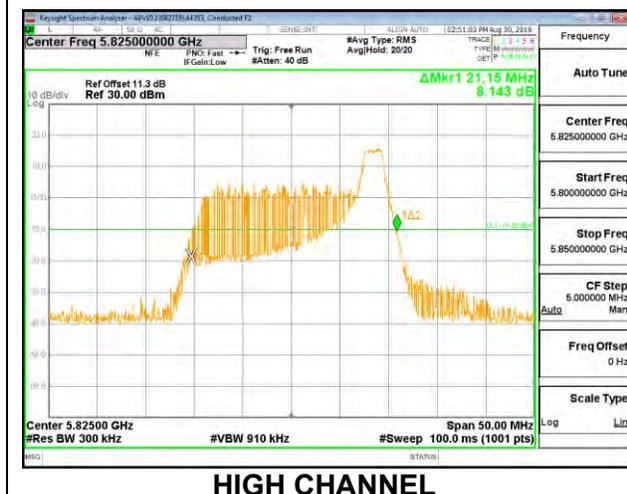
HIGH CHANNEL

1TX LAT 3 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	21.95
Mid	5785	21.85
High	5825	21.65
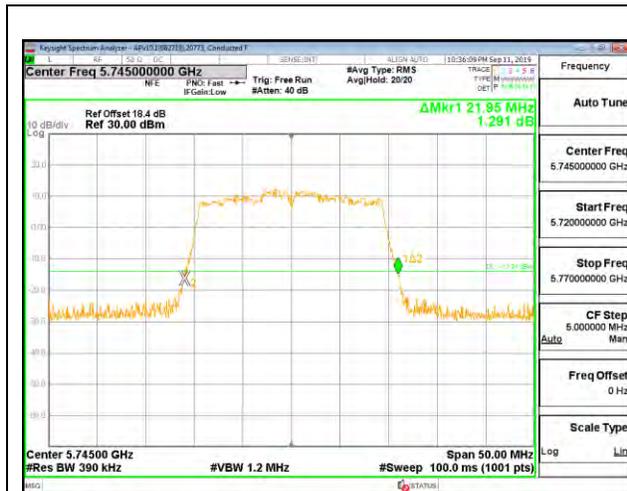
LOW CHANNEL

MID CHANNEL

HIGH CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	20.15
Mid	5785	20.35
High	5825	20.45
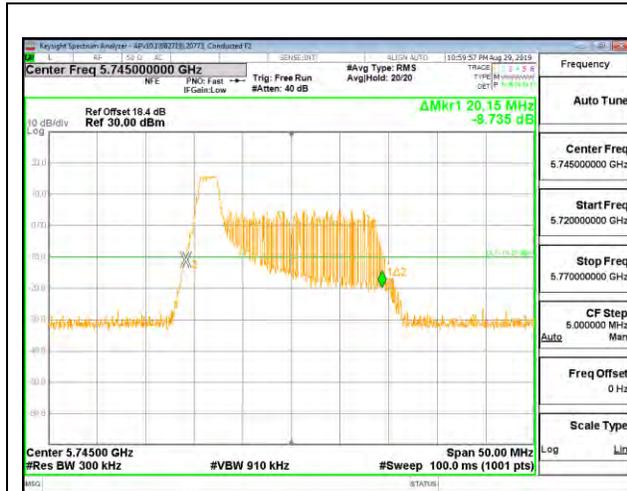
LOW CHANNEL
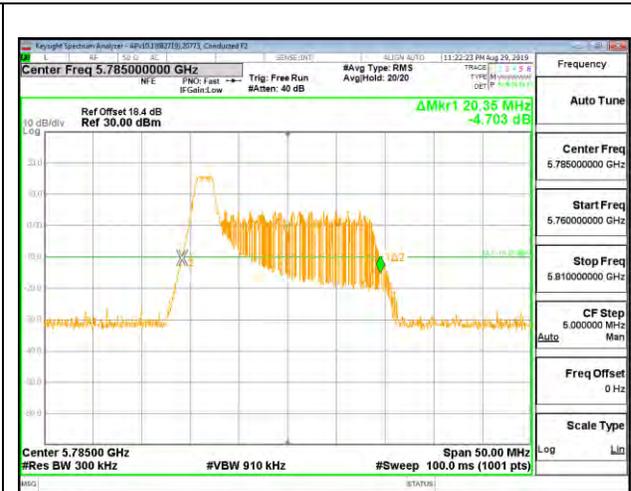
MID CHANNEL
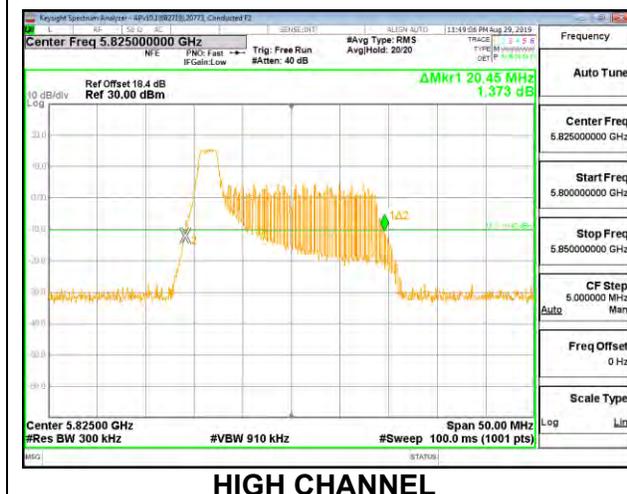
HIGH CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	19.65
Mid	5785	19.65
High	5825	19.75
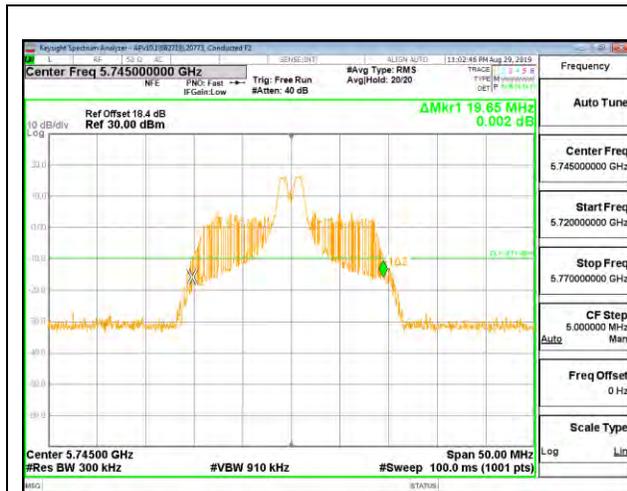
LOW CHANNEL
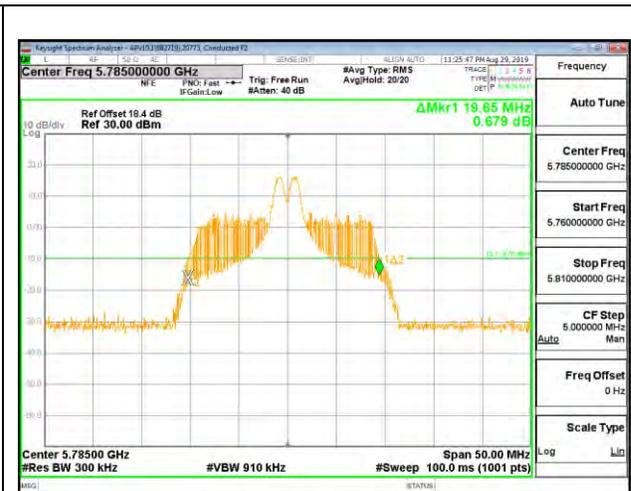
MID CHANNEL

HIGH CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 8

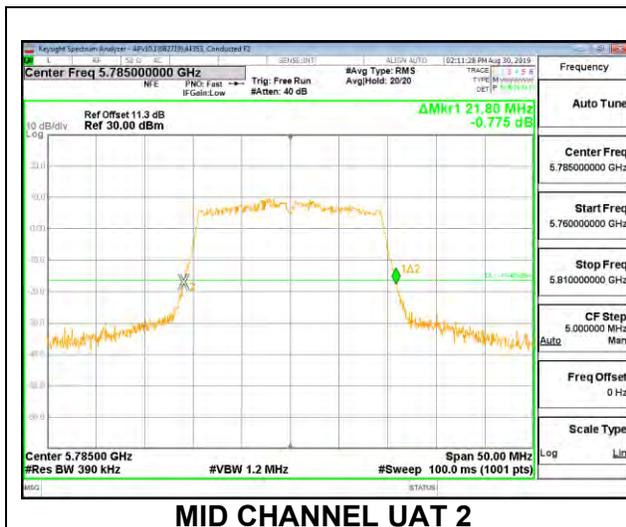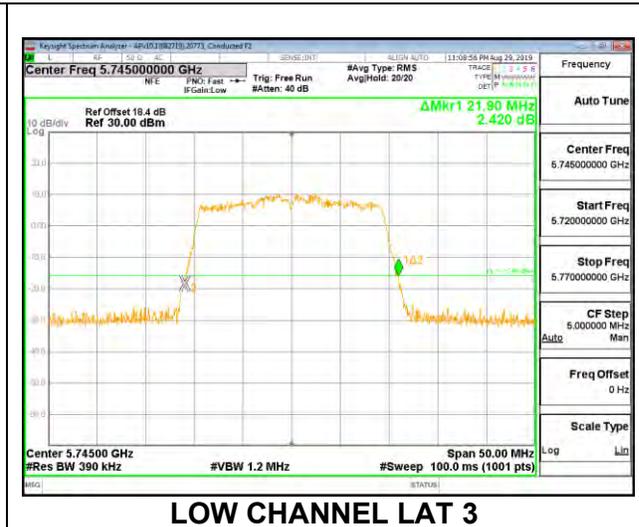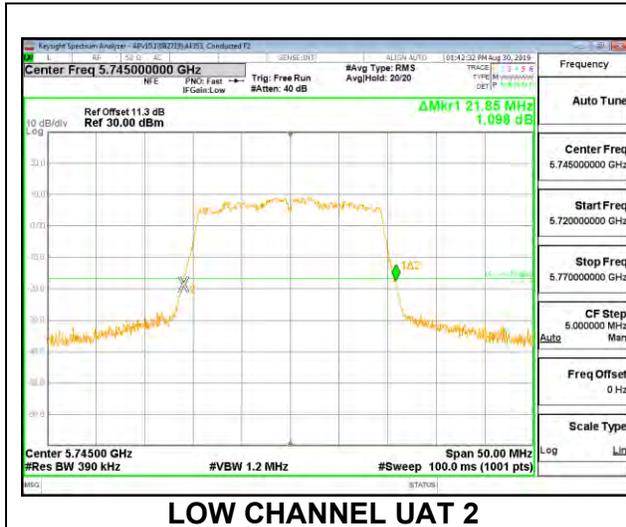| Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	20.95
Mid	5785	21.10
High	5825	20.80
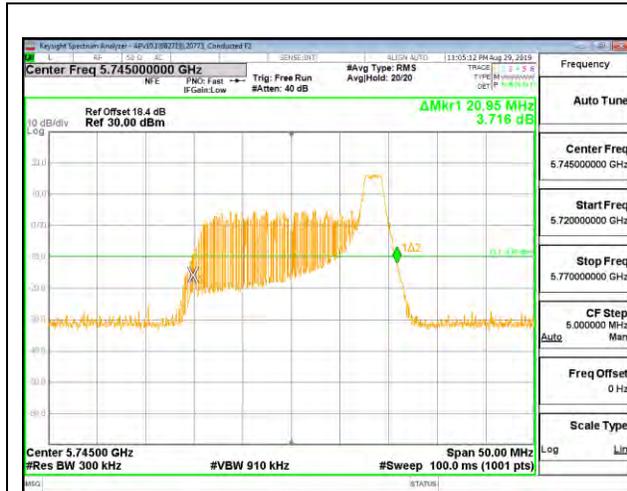
LOW CHANNEL
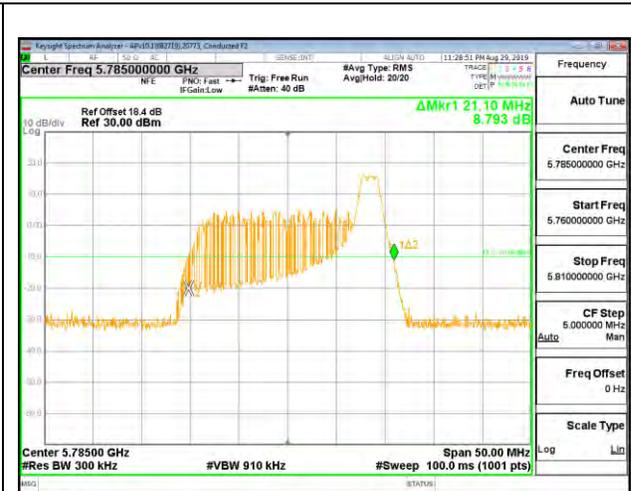
MID CHANNEL
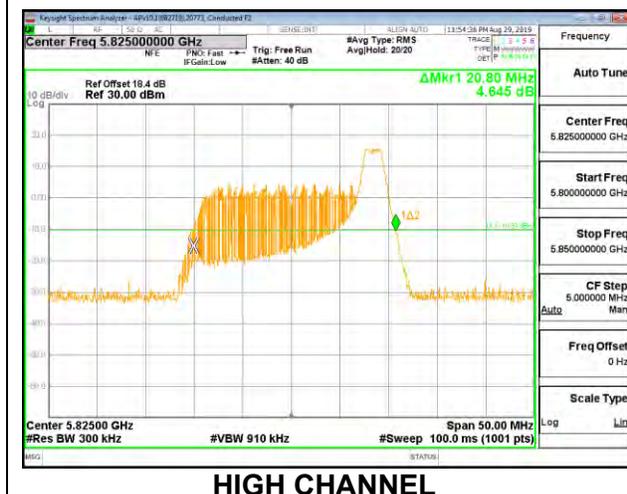
HIGH CHANNEL

2TX UAT 2 + LAT 3 OFDMA MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5745	21.85	21.90
Mid	5785	21.80	21.65
High	5825	21.75	21.65
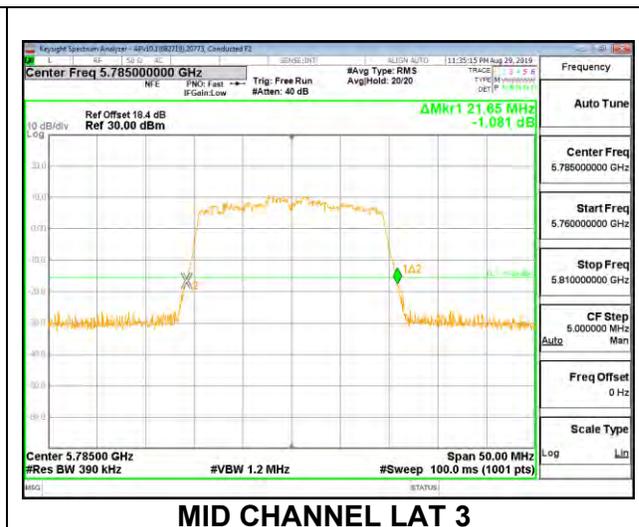
LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

HIGH CHANNEL UAT 2	HIGH CHANNEL LAT 3

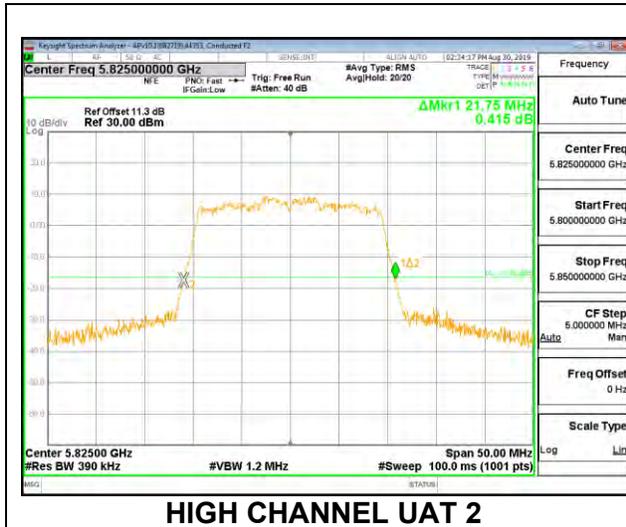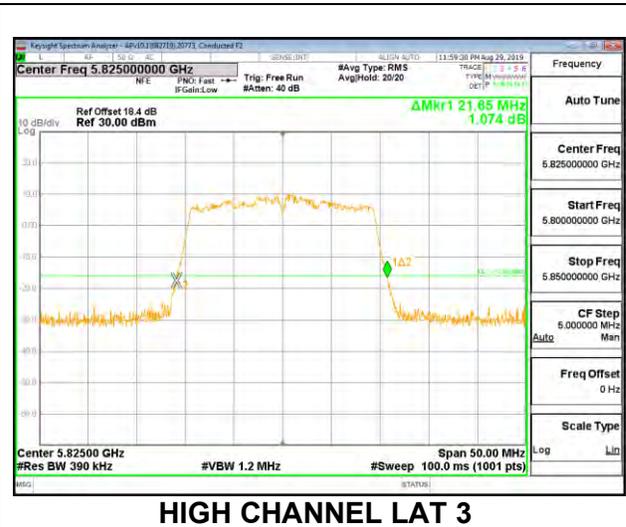*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 0

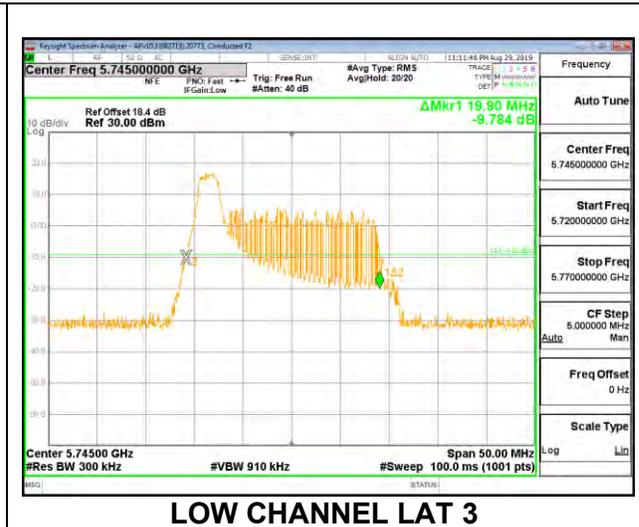| Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5745	20.45	19.90
Mid	5785	20.30	19.65
High	5825	20.45	19.80
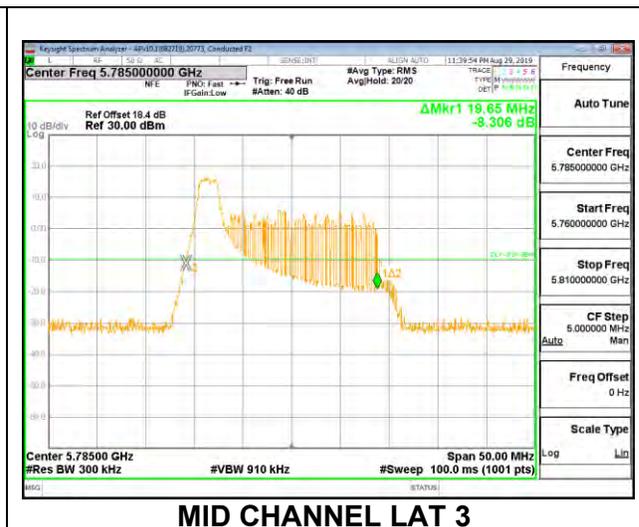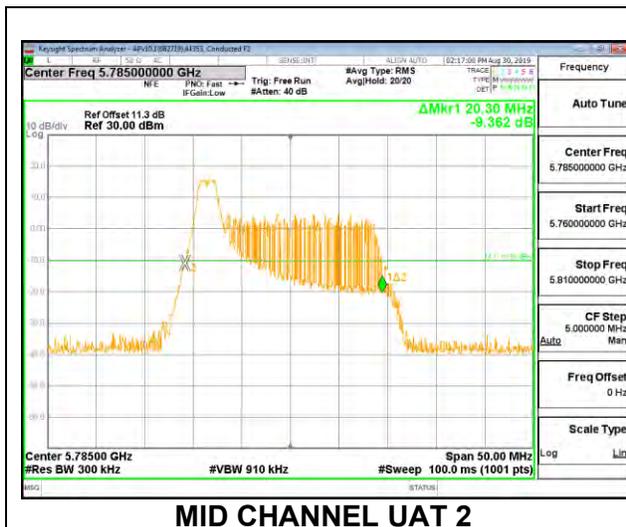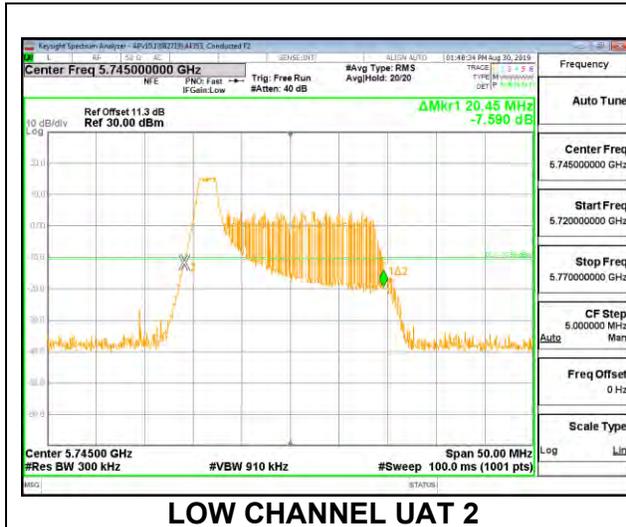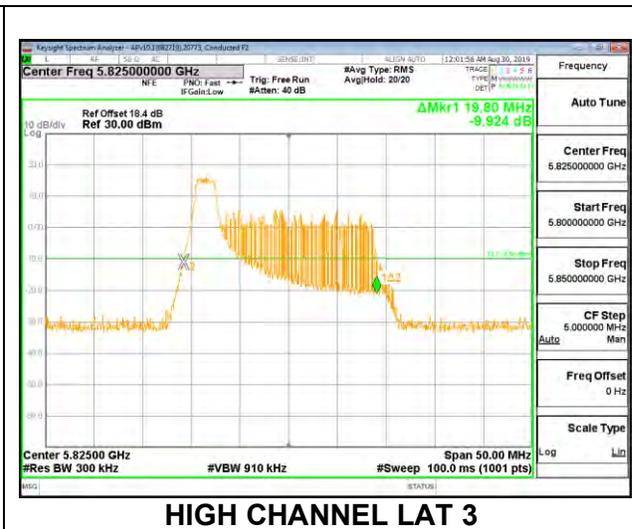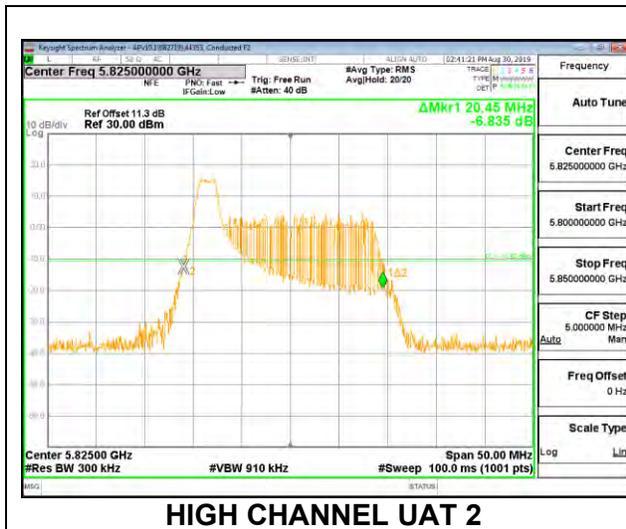
LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

HIGH CHANNEL UAT 2	HIGH CHANNEL LAT 3

2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5745	19.75	18.35
Mid	5785	19.70	18.25
High	5825	19.70	18.40
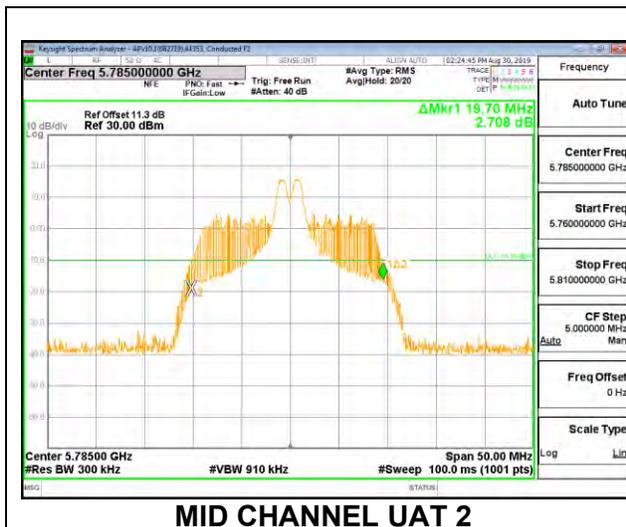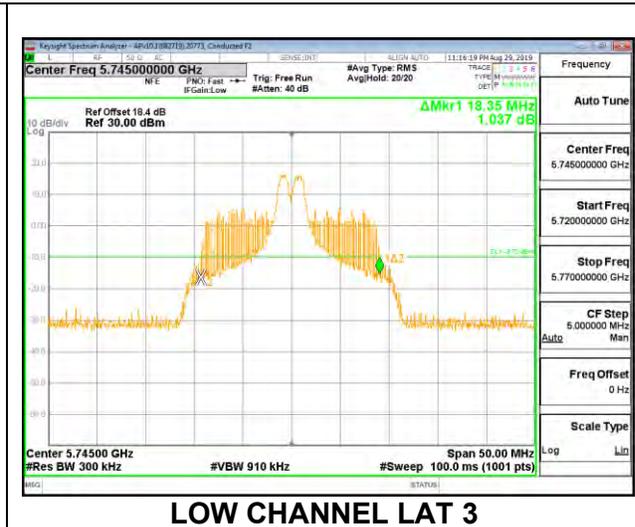
LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

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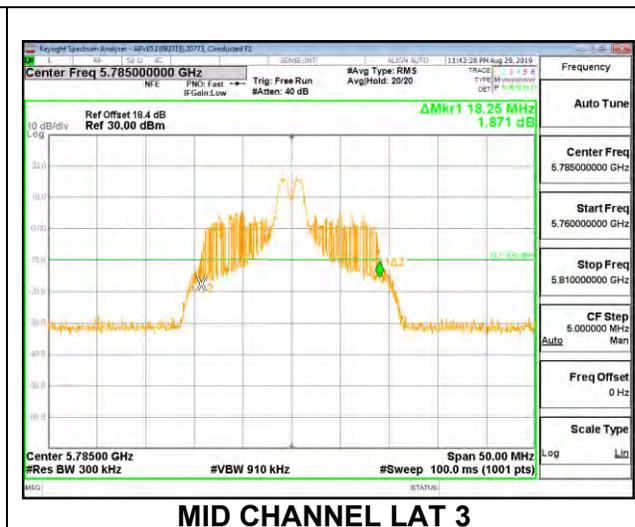
2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 8
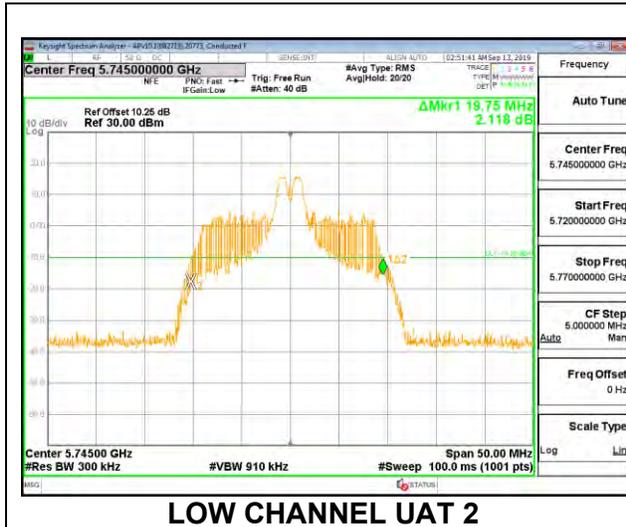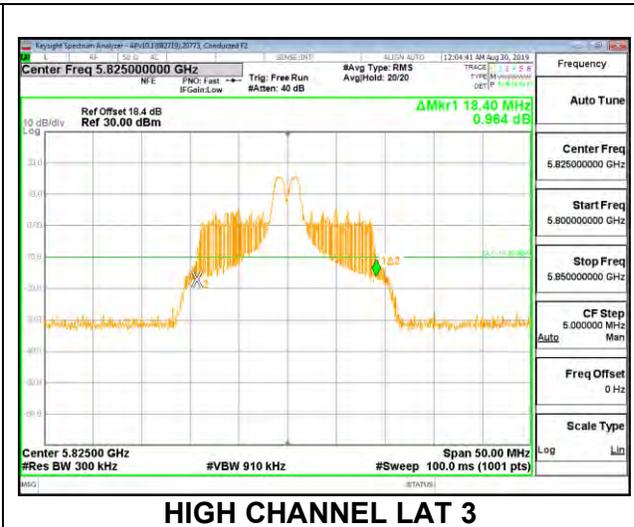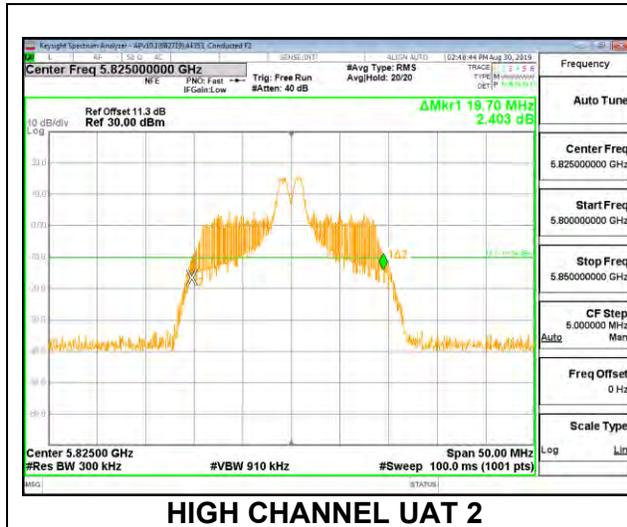
Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5745	21.05	20.10
Mid	5785	20.90	20.05
High	5825	21.00	19.95

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

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HIGH CHANNEL UAT 2	HIGH CHANNEL LAT 3

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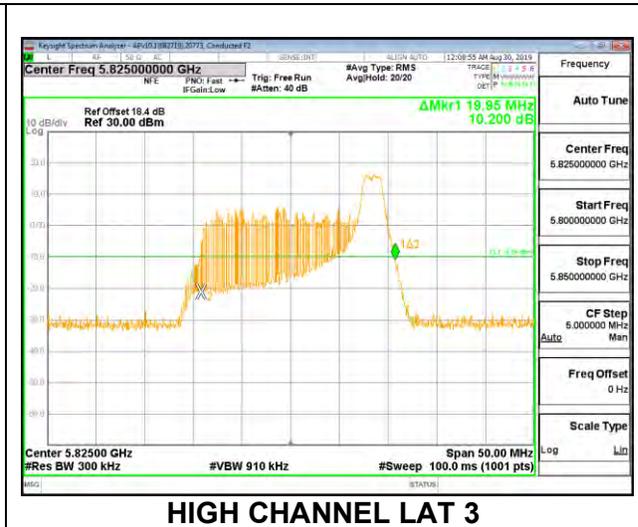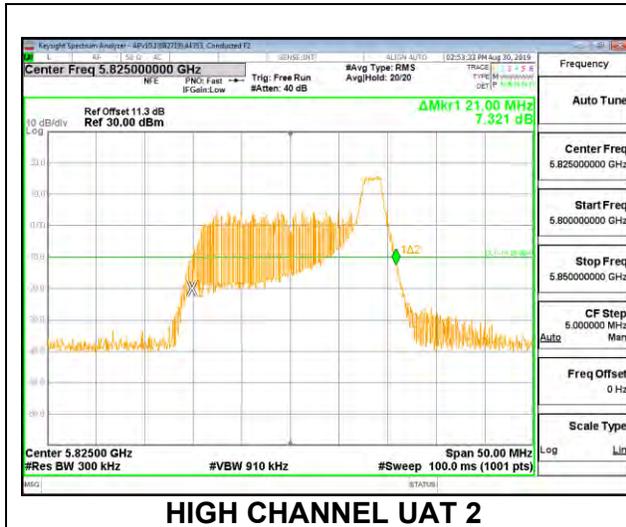
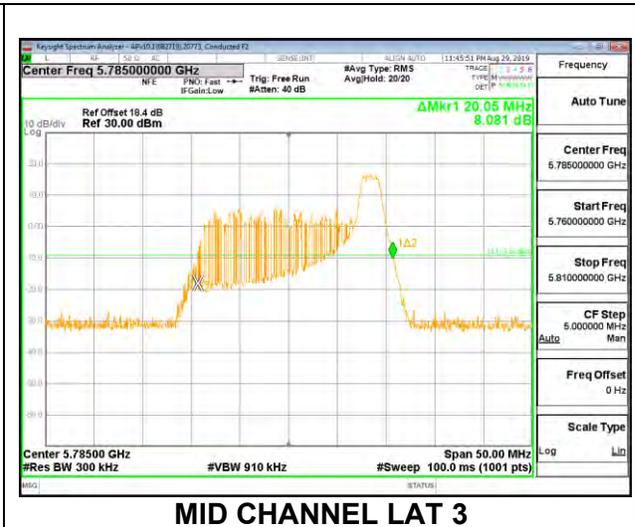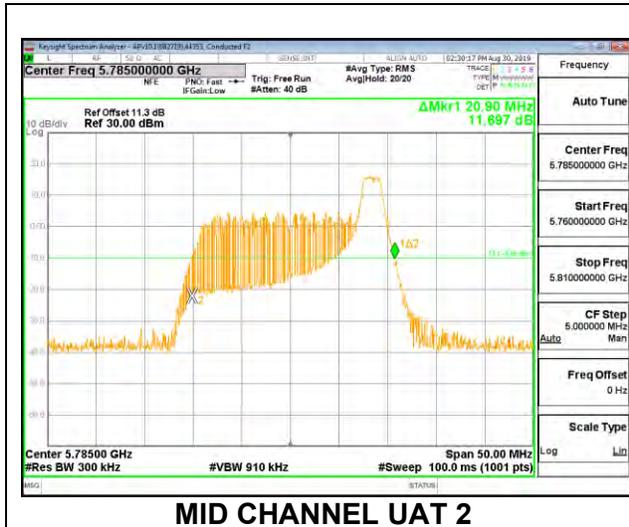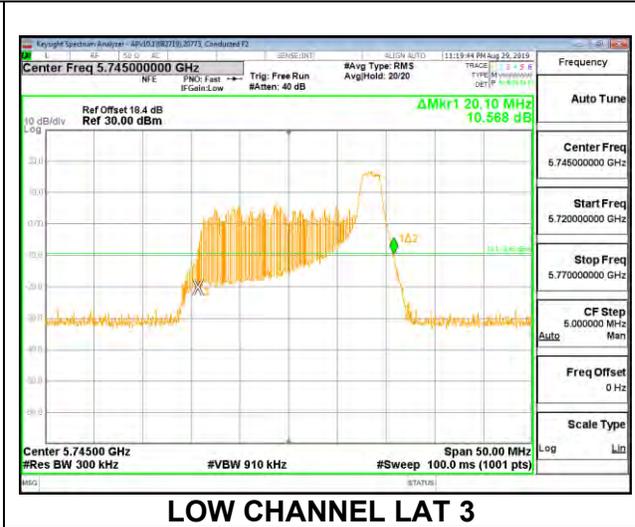## 8.2.23. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

1TX UAT 2 MODE – 484 Tones, RU Index 65

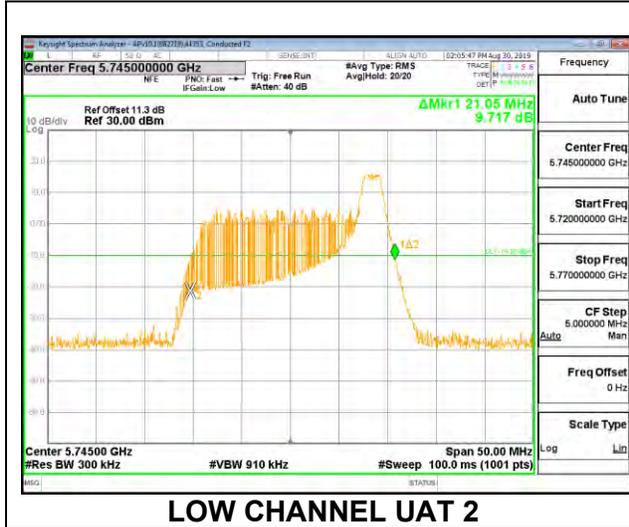| Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	41.70
High	5795	41.70

| LOW CHANNEL | HIGH CHANNEL |
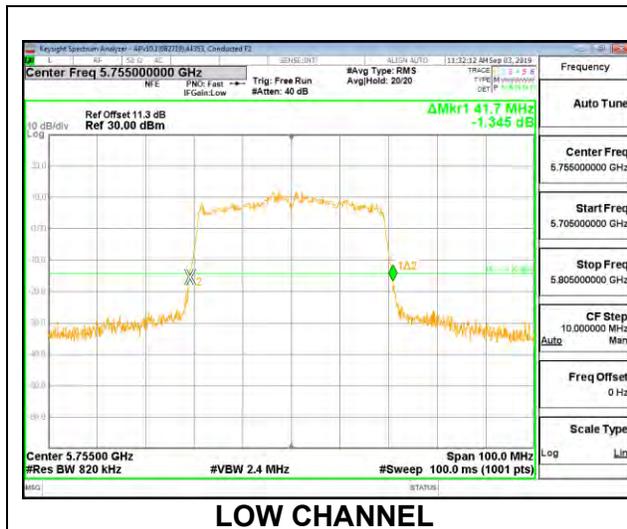
1TX UAT 2 MODE – 26 Tones, RU Index 0

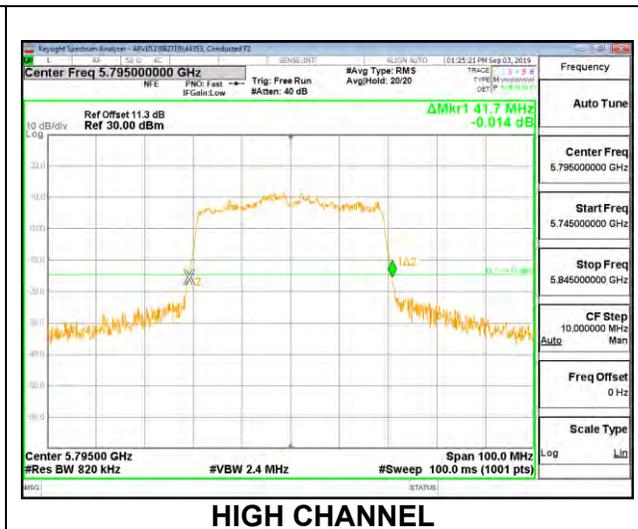| Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	20.40
High	5795	20.40

| LOW CHANNEL | HIGH CHANNEL |
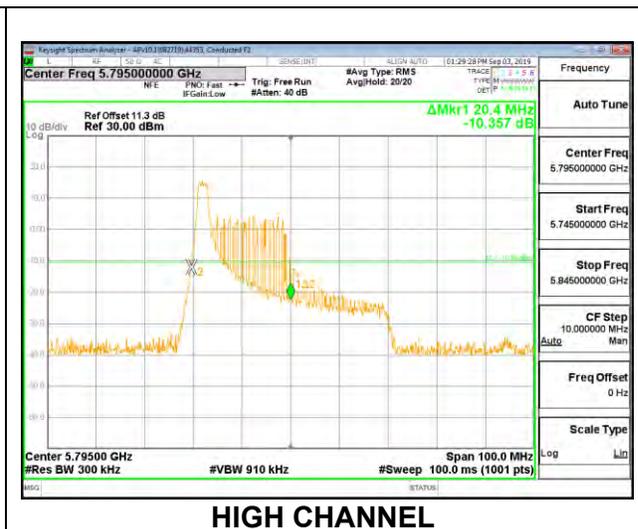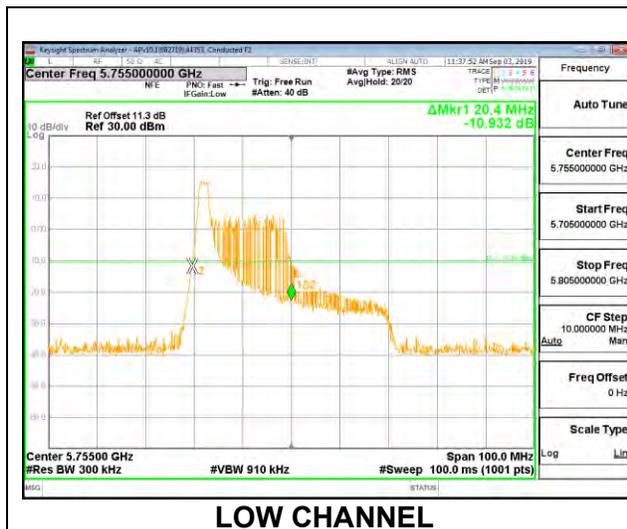
1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	22.20
High	5795	22.60

LOW CHANNEL
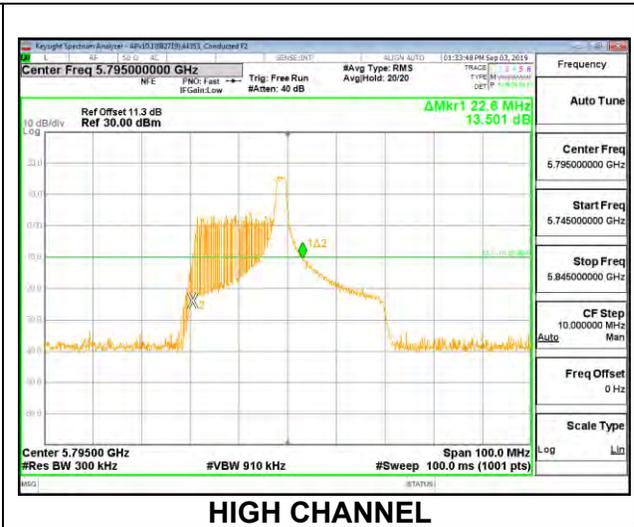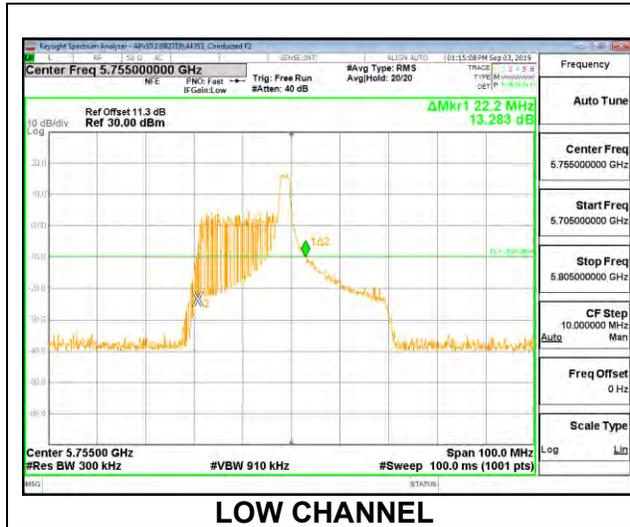
HIGH CHANNEL

1TX UAT 2 MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	20.60
High	5795	20.20

LOW CHANNEL
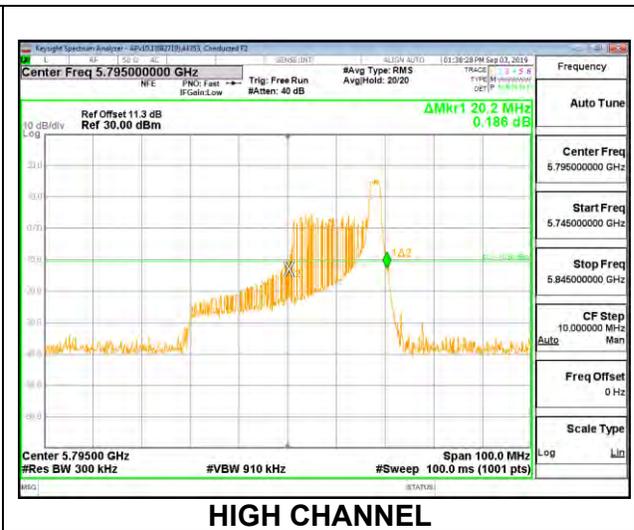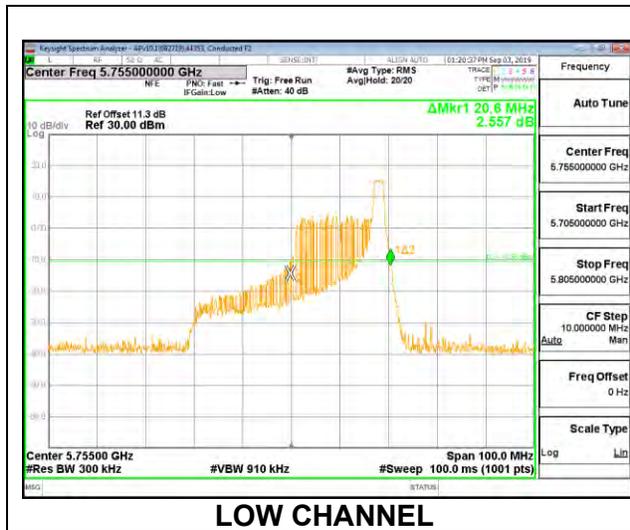
HIGH CHANNEL

1TX LAT 3 MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	41.50
High	5795	41.70
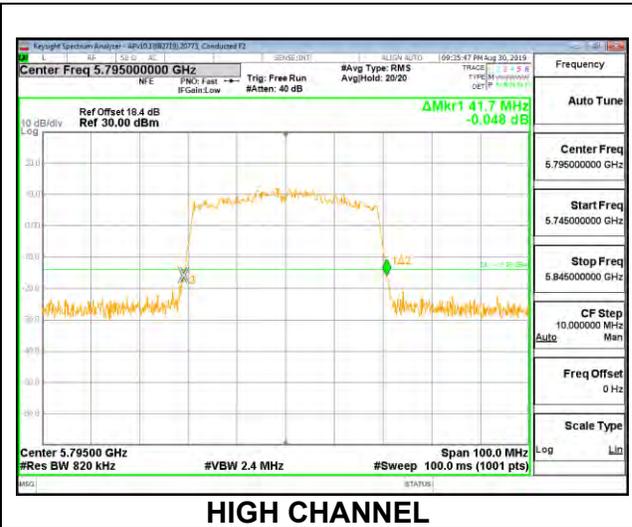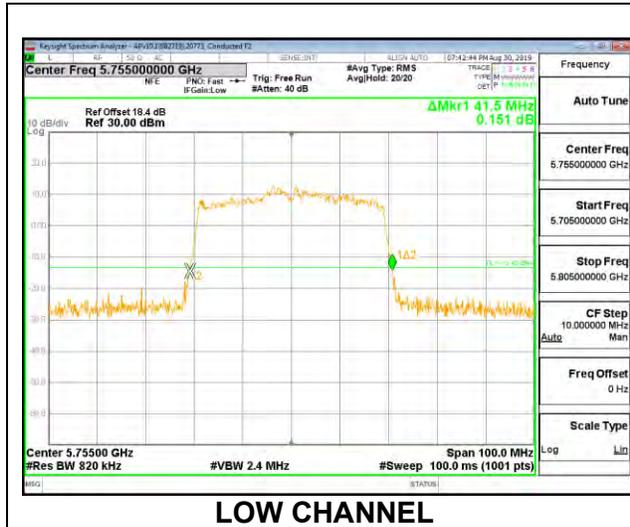
LOW CHANNEL	HIGH CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	20.50
High	5795	20.40

LOW CHANNEL	HIGH CHANNEL
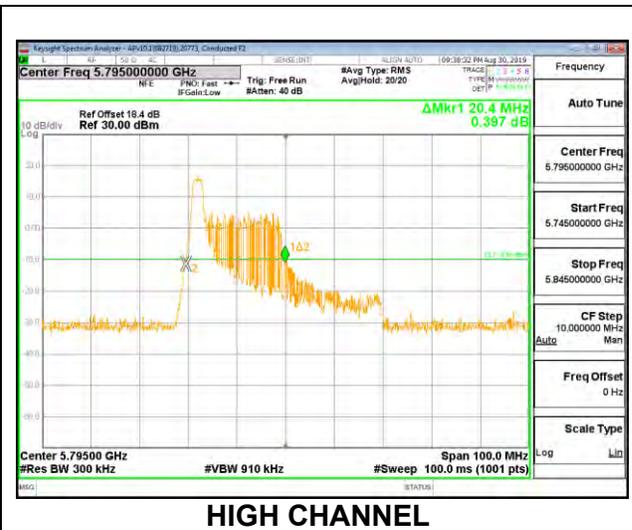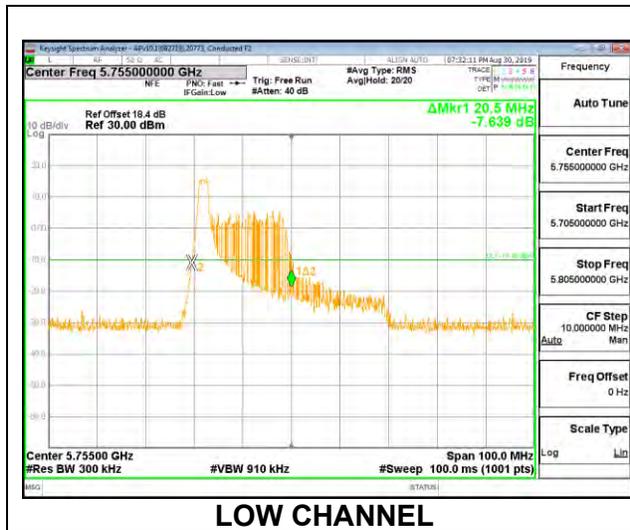
1TX LAT 3 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	22.90
High	5795	22.60
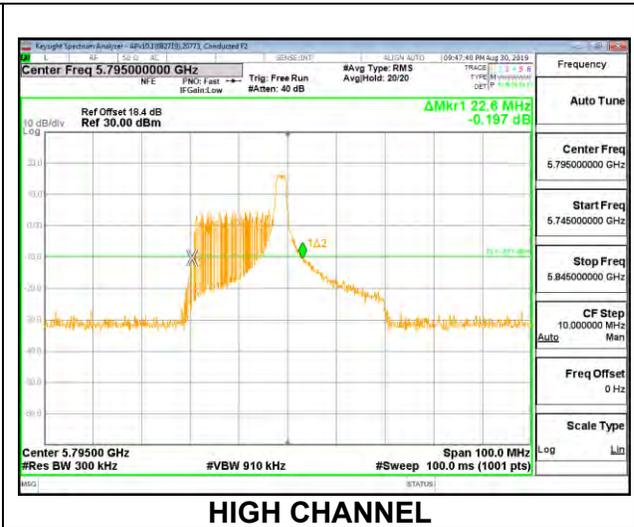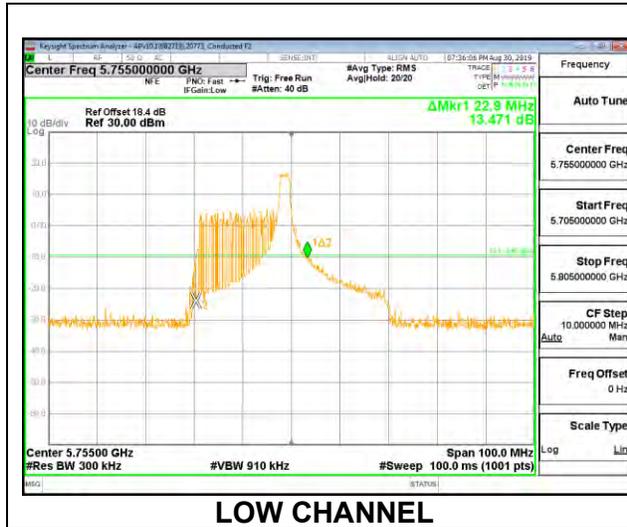
LOW CHANNEL   HIGH CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5755	20.50
High	5795	20.40

LOW CHANNEL   HIGH CHANNEL
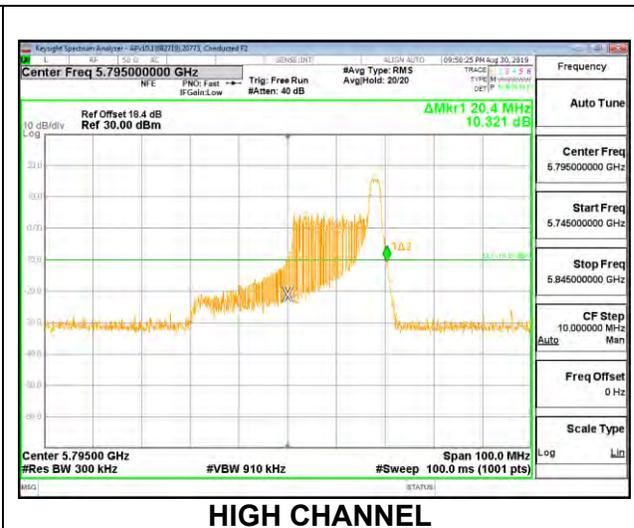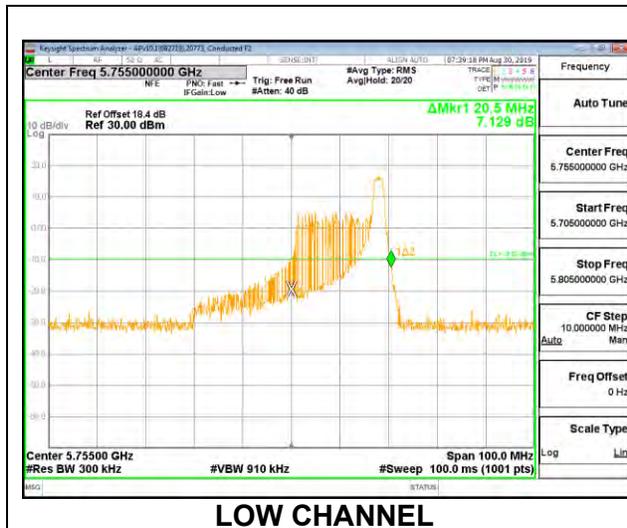
2TX UAT 2 + LAT 3 CDD MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5755	41.70	41.30
High	5795	41.80	41.10
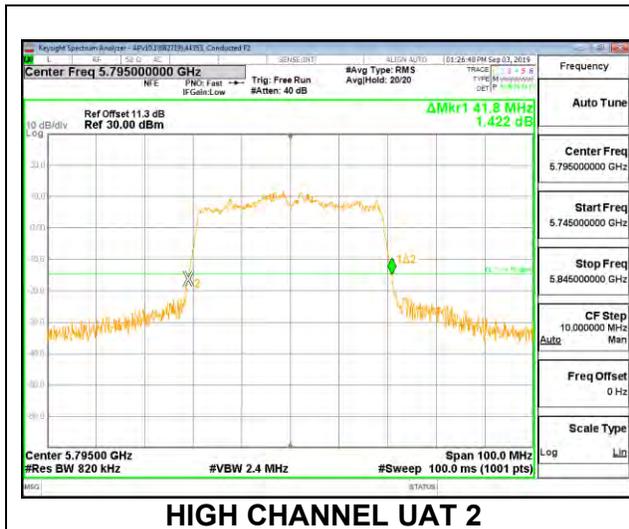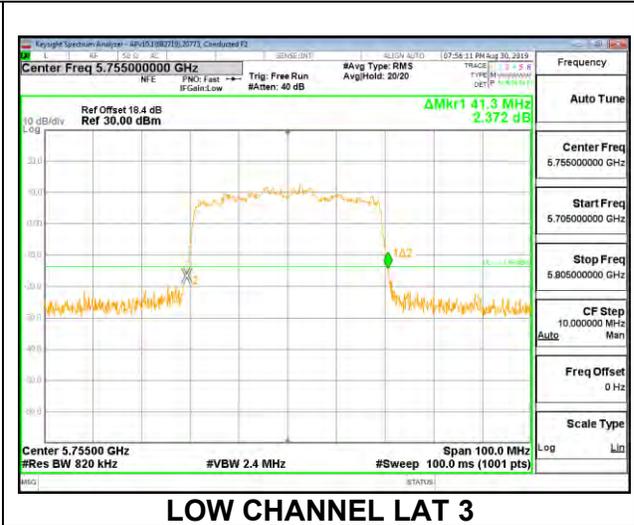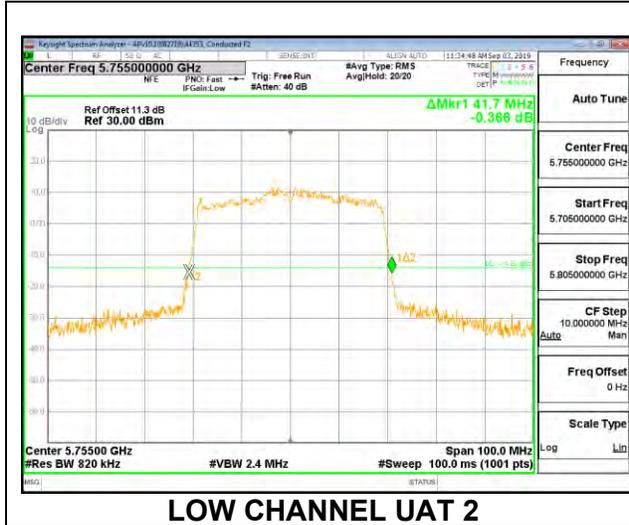
LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5755	20.30	19.90
High	5795	20.60	19.90
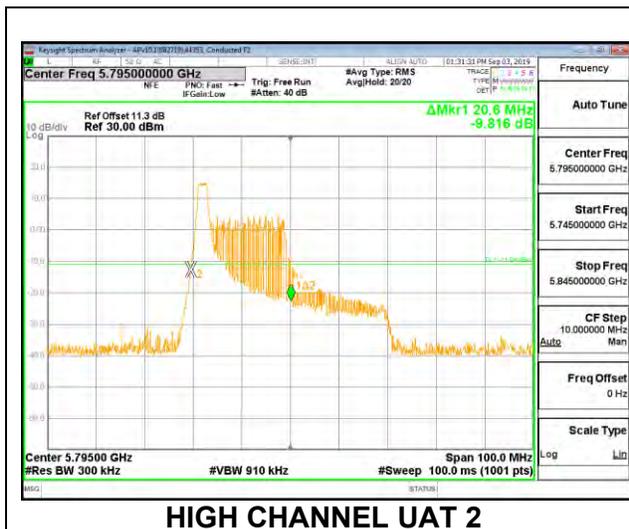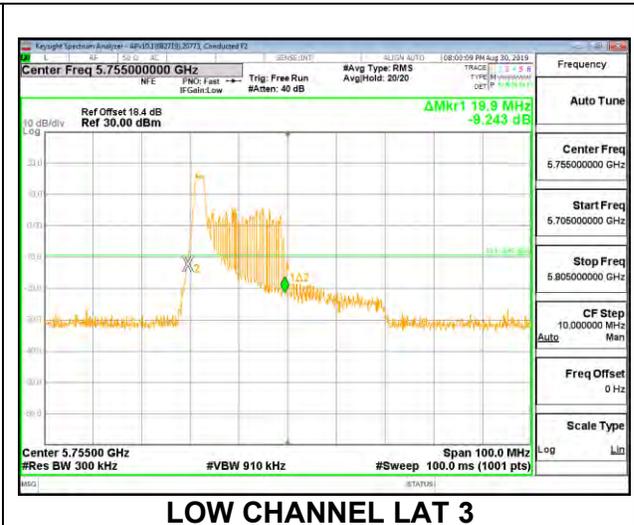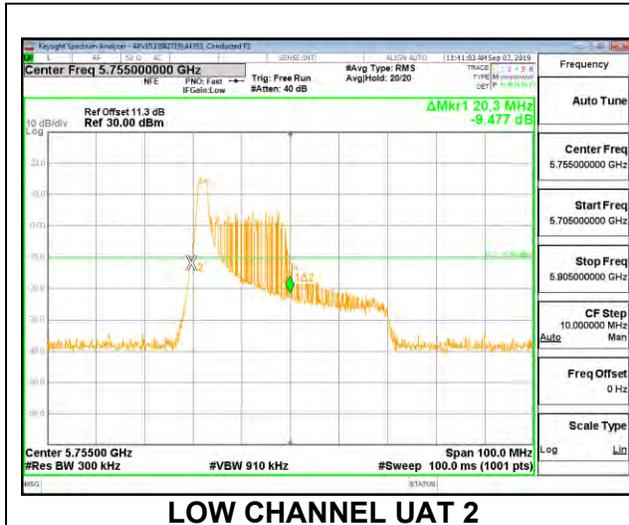
LOW CHANNEL UAT 2

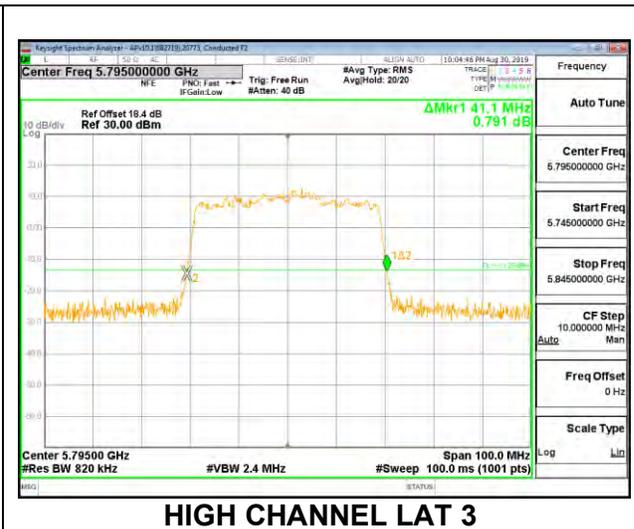**LOW CHANNEL LAT 3**

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5755	22.30	22.10
High	5795	22.60	22.60
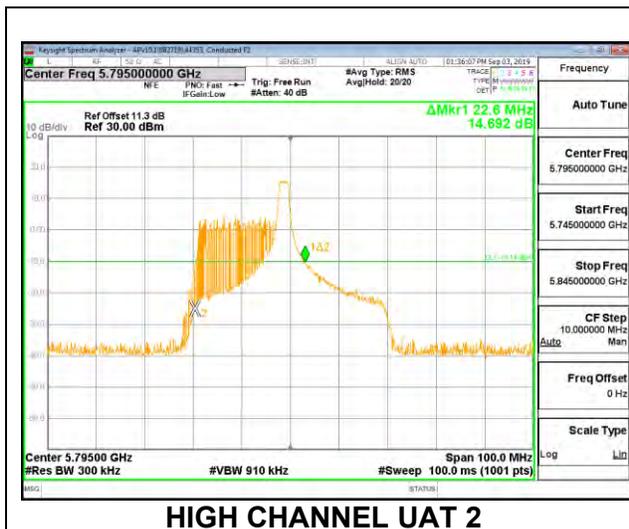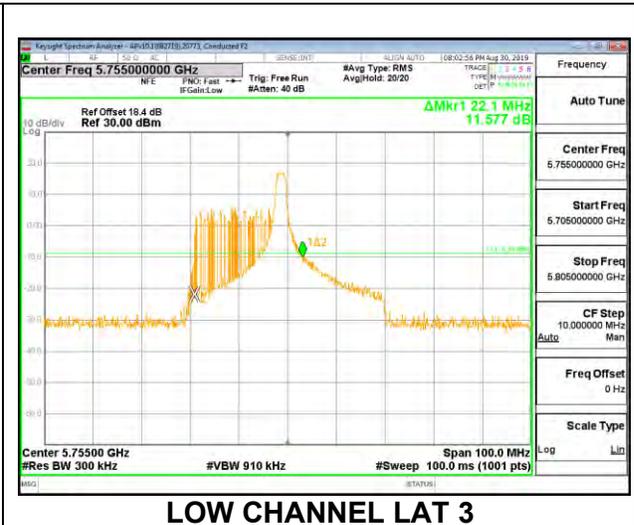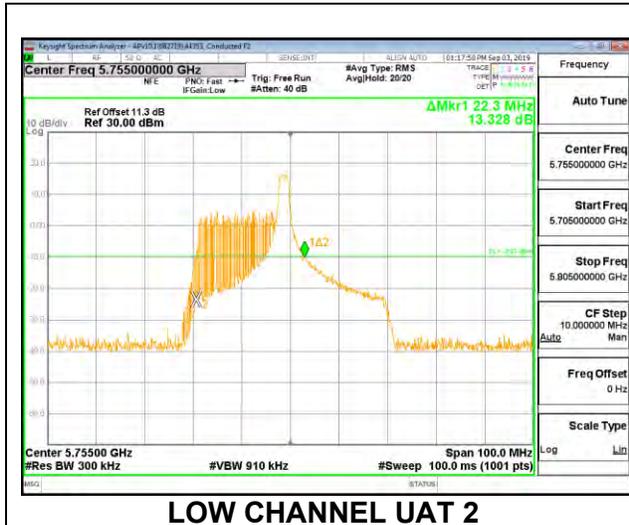
LOW CHANNEL UAT 2

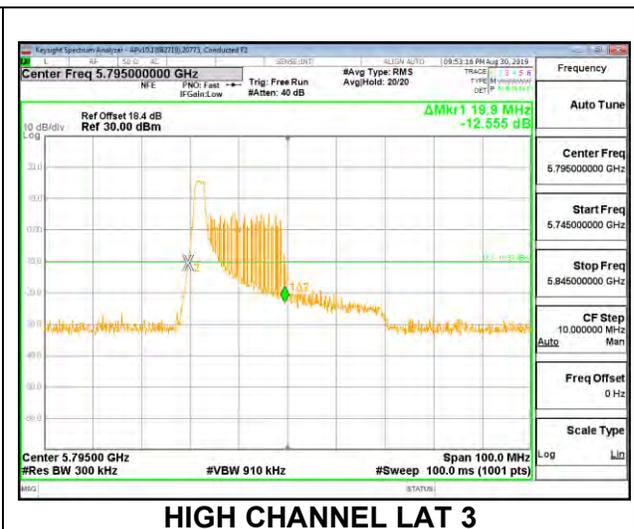LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

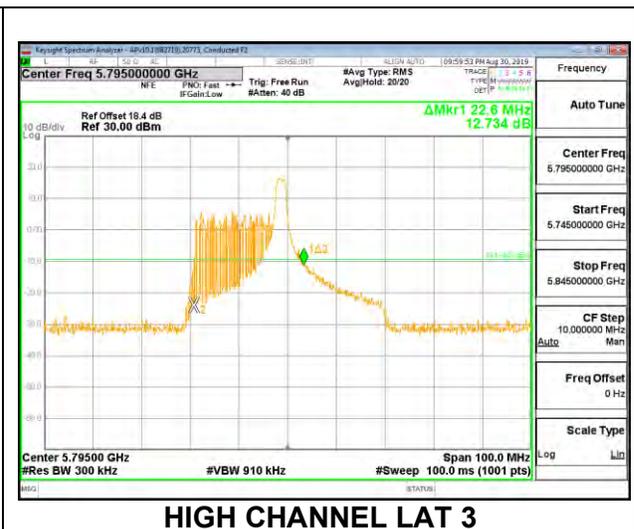HIGH CHANNEL LAT 3

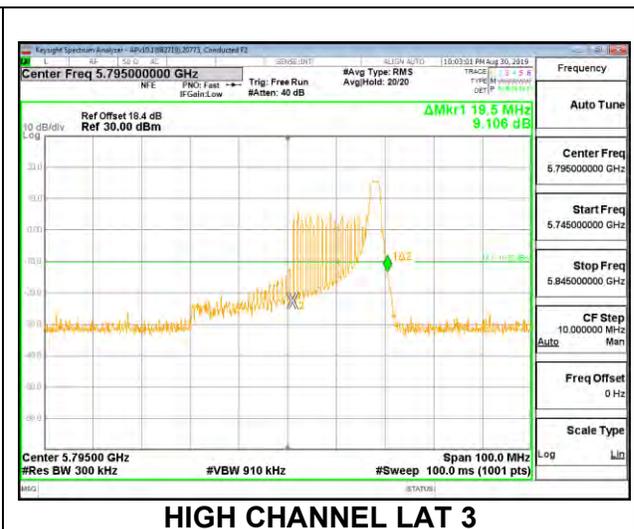**2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 17**

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Low	5755	20.50	19.40
High	5795	20.60	19.50

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3

8.2.24. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

1TX UAT 2 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	84.00

MID CHANNEL

1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	20.20

MID CHANNEL

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1TX UAT 2 MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	41.40

MID CHANNEL

1TX UAT 2 MODE – 26 Tones, RU Index 36

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	21.00

MID CHANNEL

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1TX LAT 3 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	83.80

MID CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	20.00

MID CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	38.80

MID CHANNEL

TX LAT 3 MODE – 26 Tones, RU Index 36

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	20.20

MID CHANNEL

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2TX UAT 2 + LAT 3 CDD MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Mid	5775	83.80	83.20
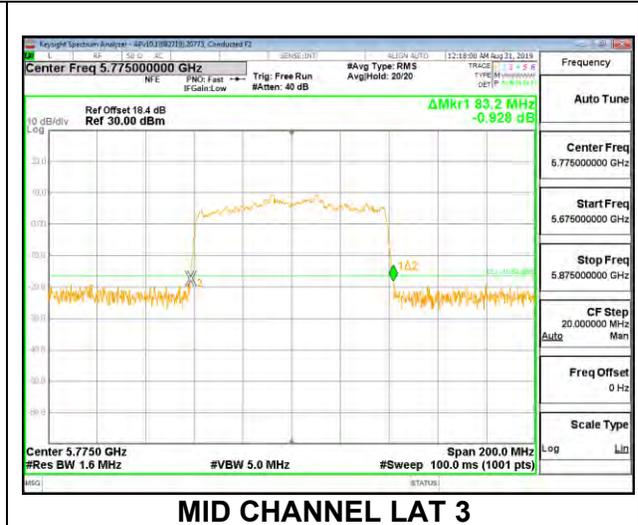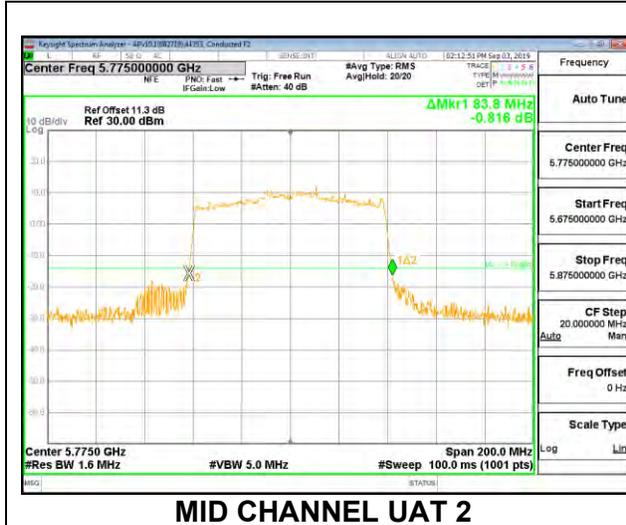
MID CHANNEL UAT 2   MID CHANNEL LAT 3

2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Mid	5775	20.00	18.80

MID CHANNEL UAT 2   MID CHANNEL LAT 3

2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Mid	5775	41.40	38.60

MID CHANNEL UAT 2

MID CHANNEL LAT 3

2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 36

Channel	Frequency (MHz)	26 dB Bandwidth UAT 2 (MHz)	26 dB Bandwidth LAT 3 (MHz)
Mid	5775	20.80	19.80

MID CHANNEL UAT 2

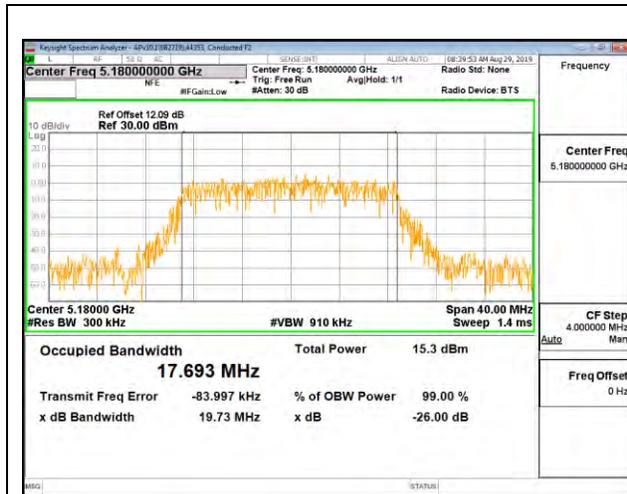MID CHANNEL LAT 3
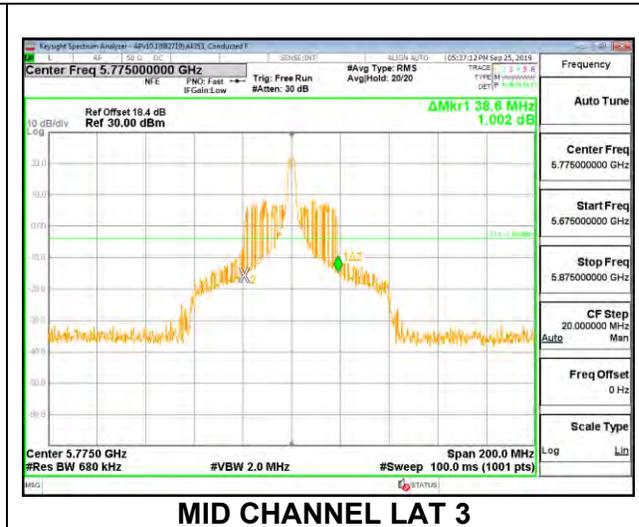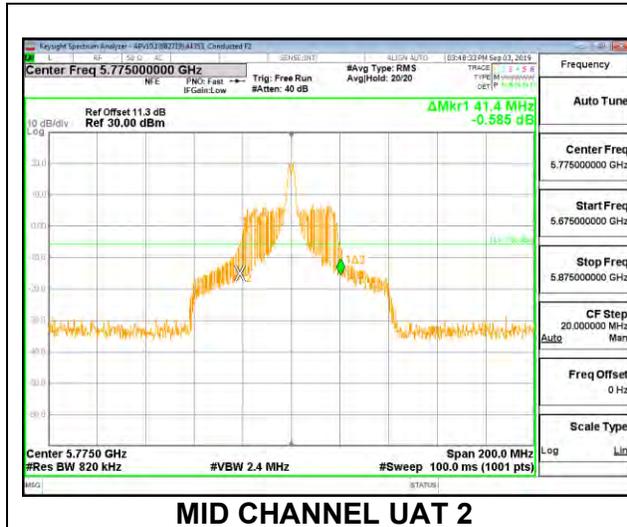
8.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

8.3.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX UAT 2 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.6930
Mid	5200	17.5960
High	5240	17.6160

LOW CHANNEL

MID CHANNEL

HIGH CHANNEL

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1TX LAT 3 MODE
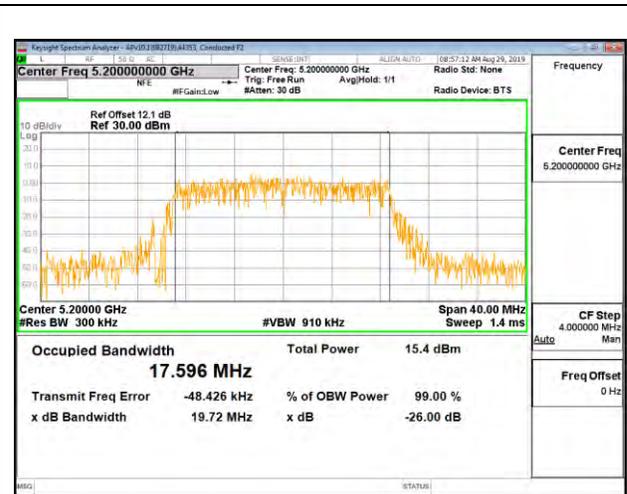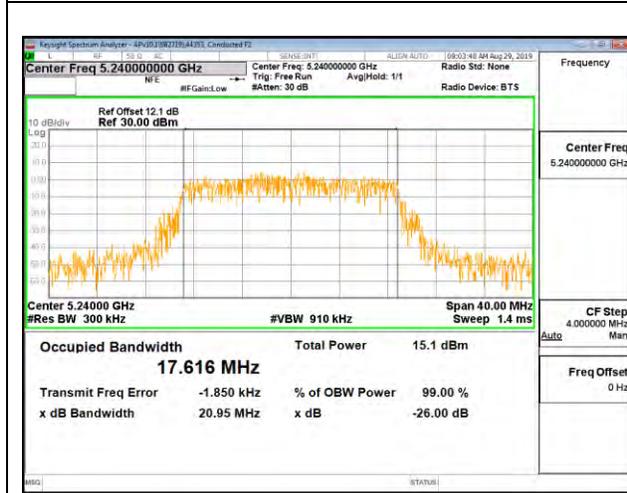
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.6560
Mid	5200	17.7160
High	5240	17.6720
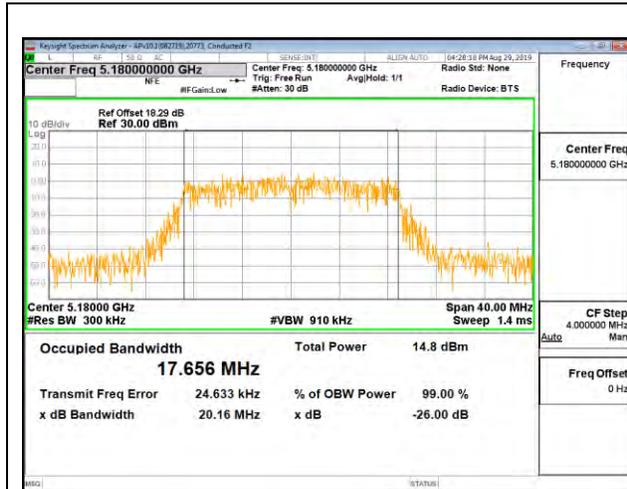
LOW CHANNEL
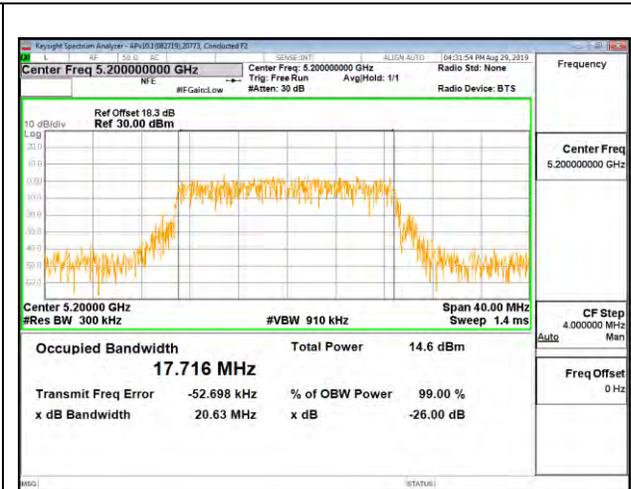
MID CHANNEL

HIGH CHANNEL

2TX UAT 2 + LAT 3 CDD MODE
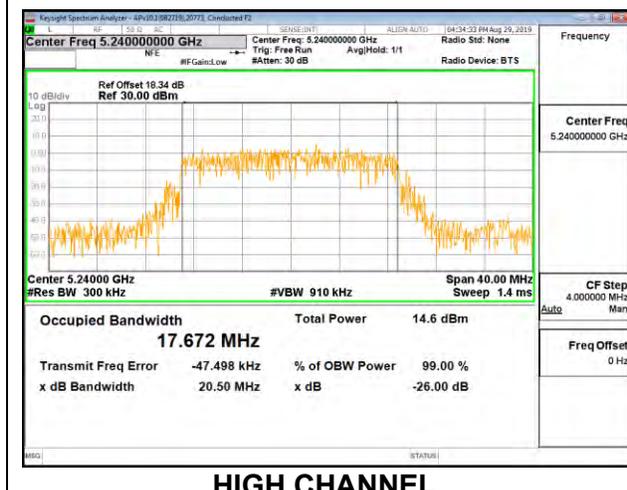
Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5180	17.7450	17.7620
Mid	5200	17.6610	17.7410
High	5240	17.6680	17.7180

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

MID CHANNEL UAT 2

MID CHANNEL LAT 3

HIGH CHANNEL UAT 2	HIGH CHANNEL LAT 3
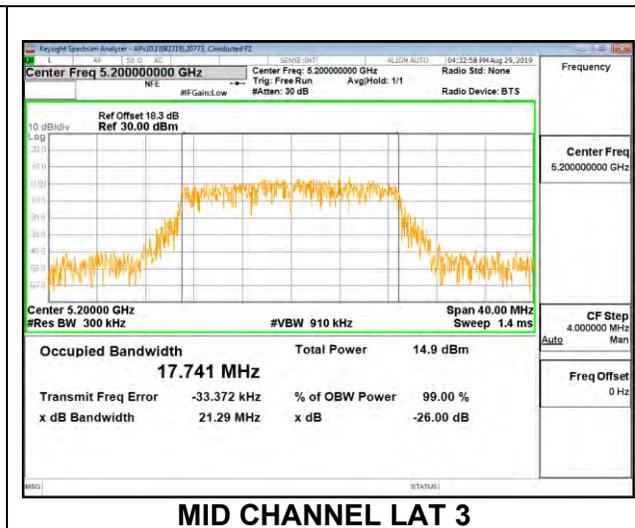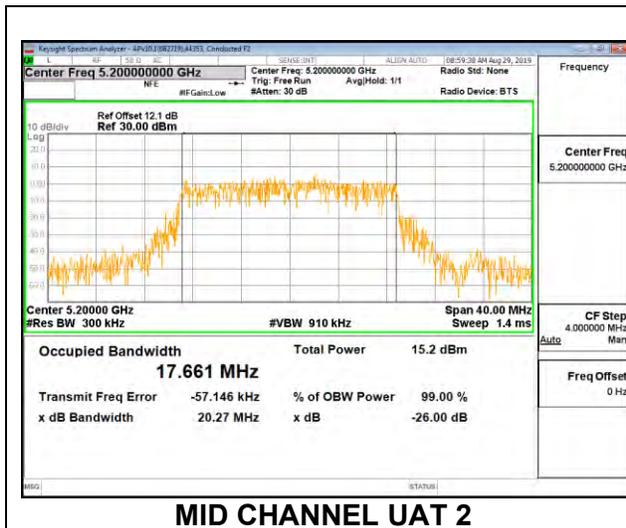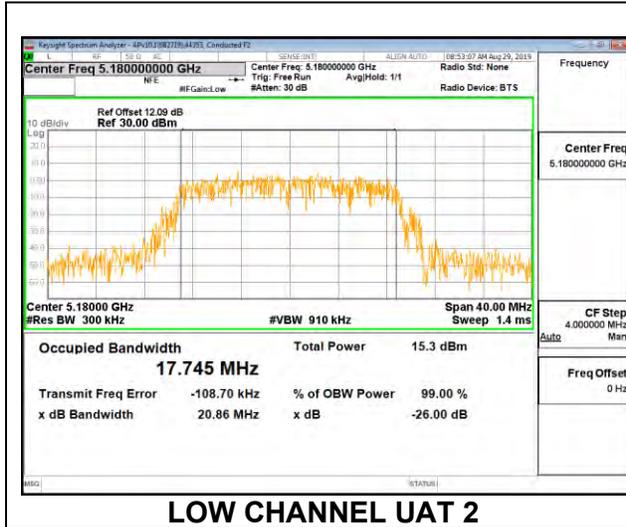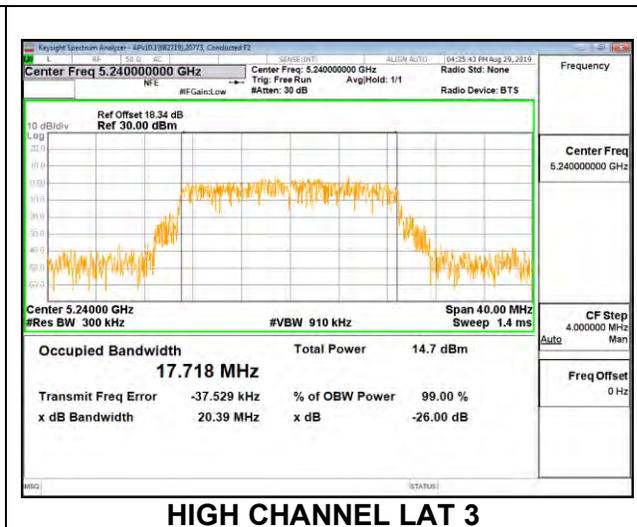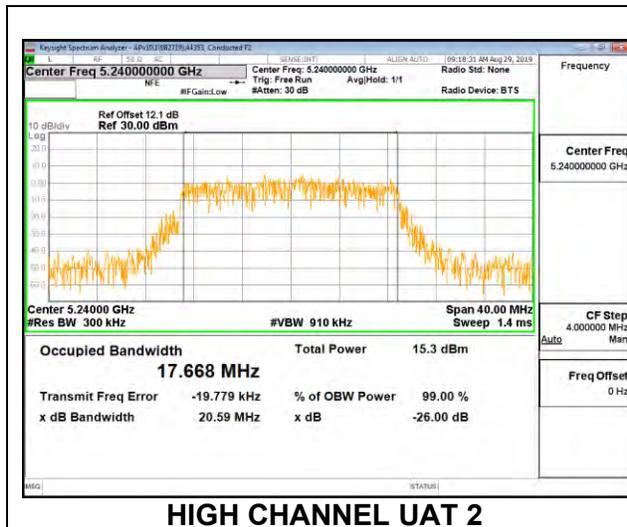
8.3.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX UAT 2 MODE

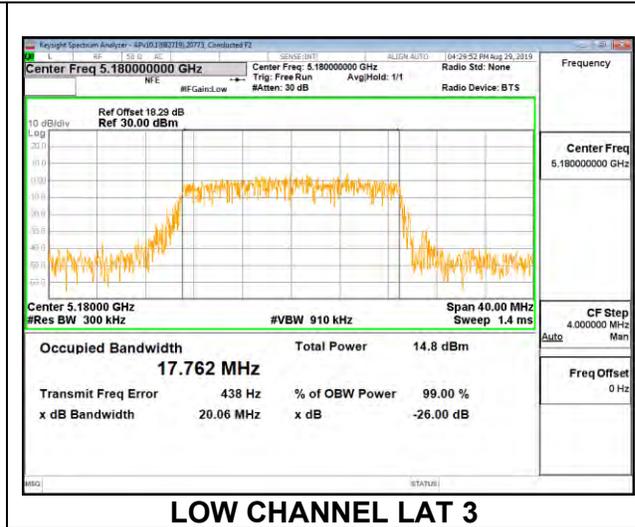| Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5190	36.2110
High	5230	36.0940

LOW CHANNEL	HIGH CHANNEL
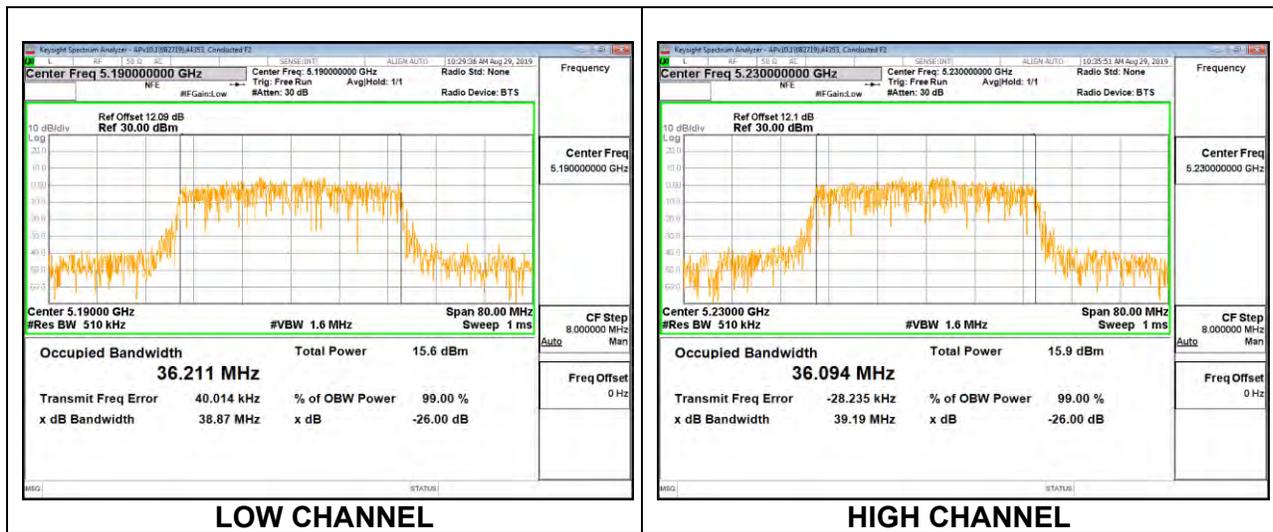
1TX LAT 3 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5190	36.3250
High	5230	36.0420

LOW CHANNEL	HIGH CHANNEL

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2TX UAT 2 + LAT 3 CDD MODE
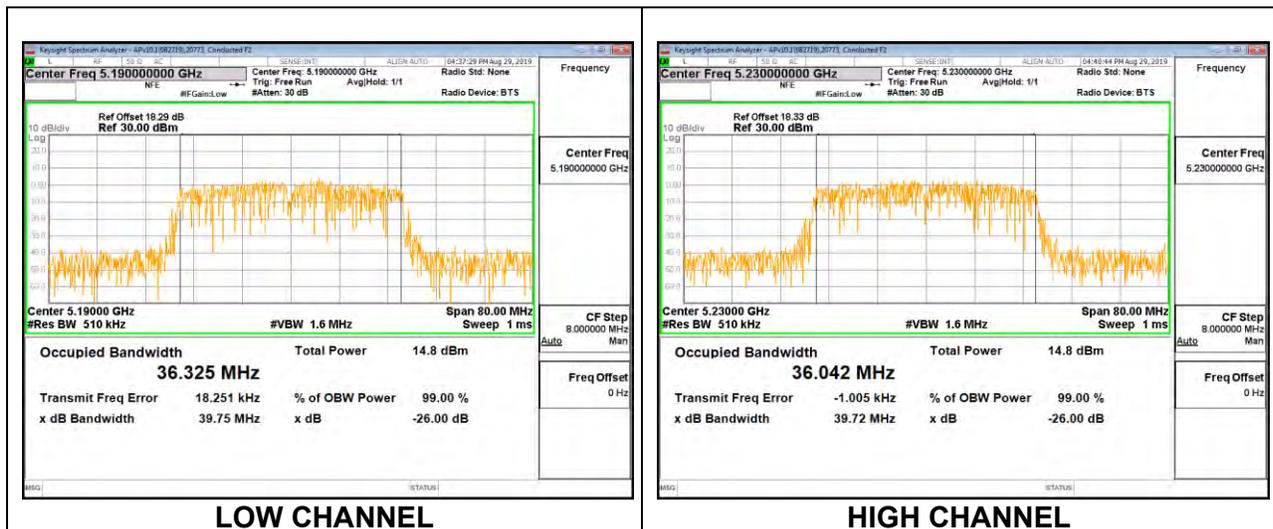
Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5190	36.006	36.162
High	5230	36.356	36.328

LOW CHANNEL UAT 2

LOW CHANNEL LAT 3

HIGH CHANNEL UAT 2

HIGH CHANNEL LAT 3