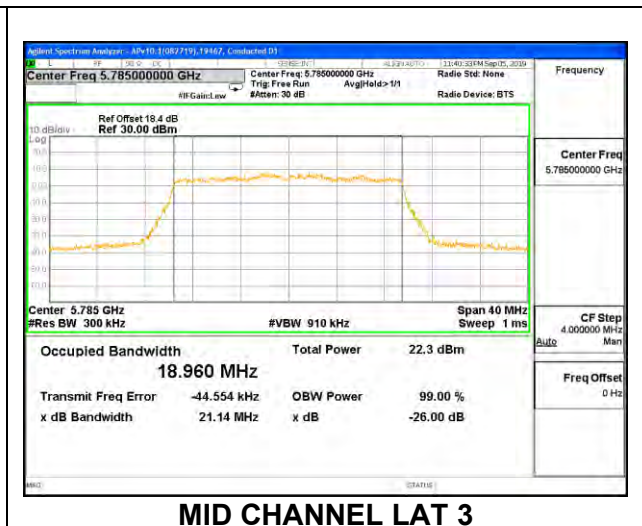
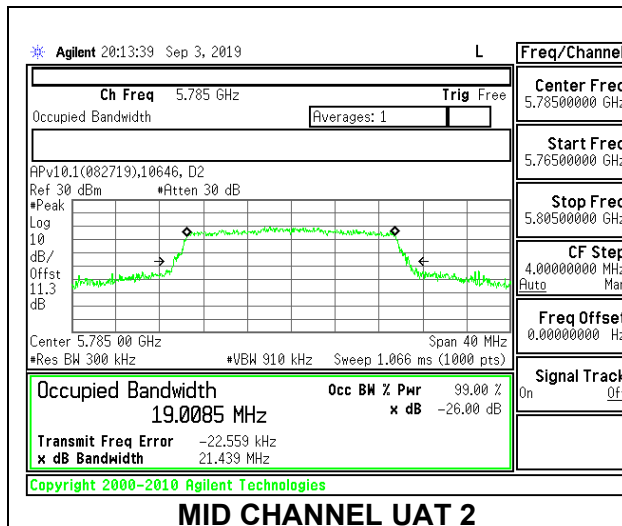
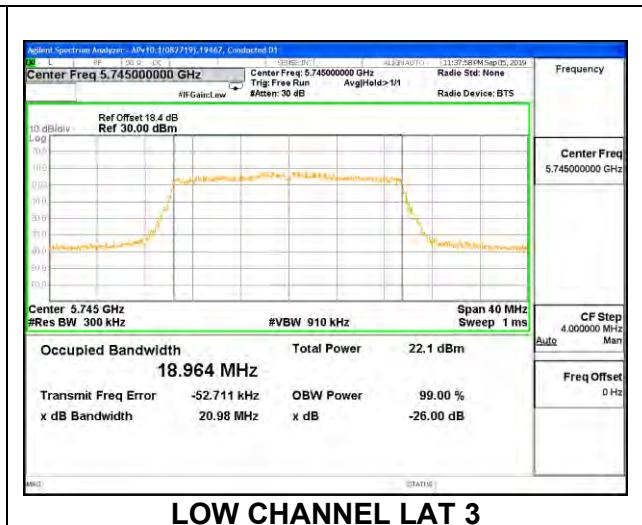
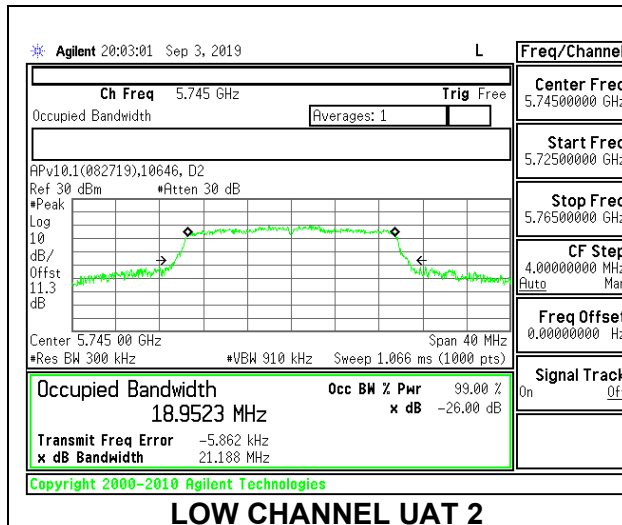
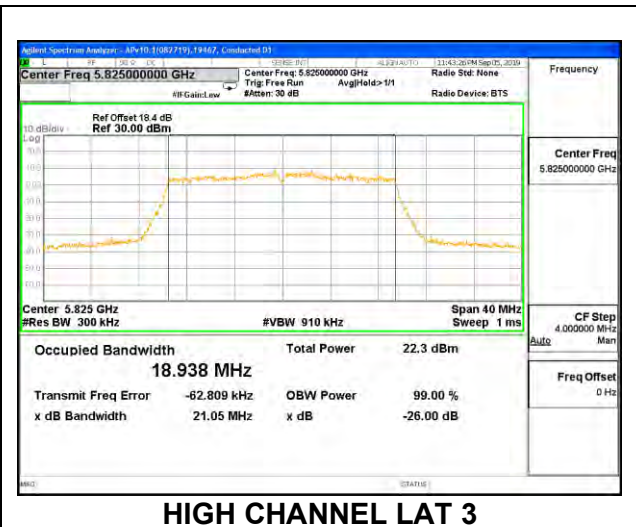
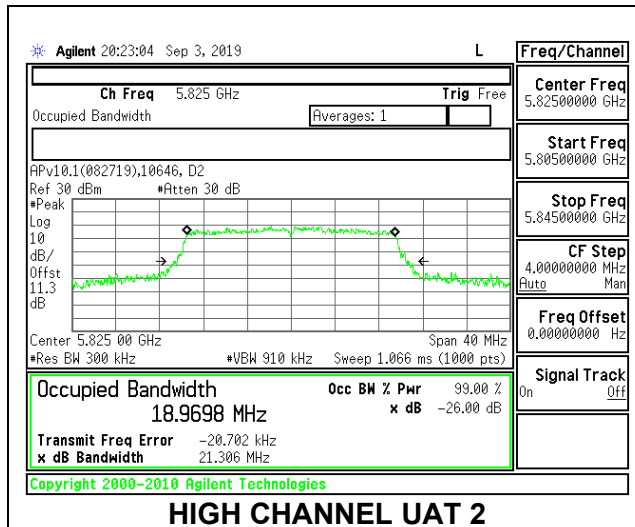


2TX UAT 2 + LAT 3 OFDMA MODE – 242 Tones, RU Index 61

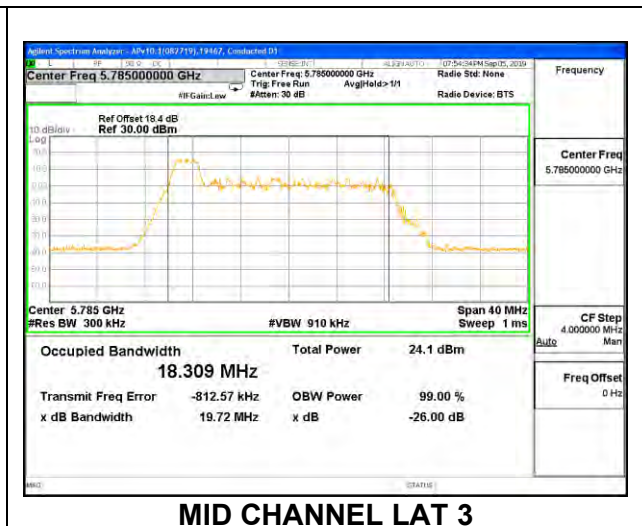
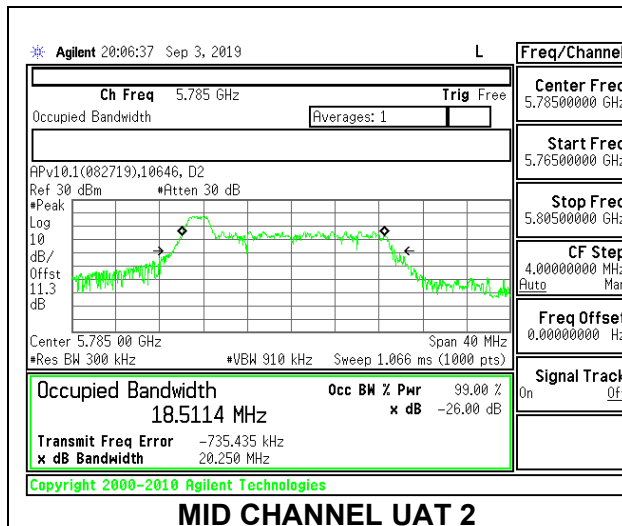
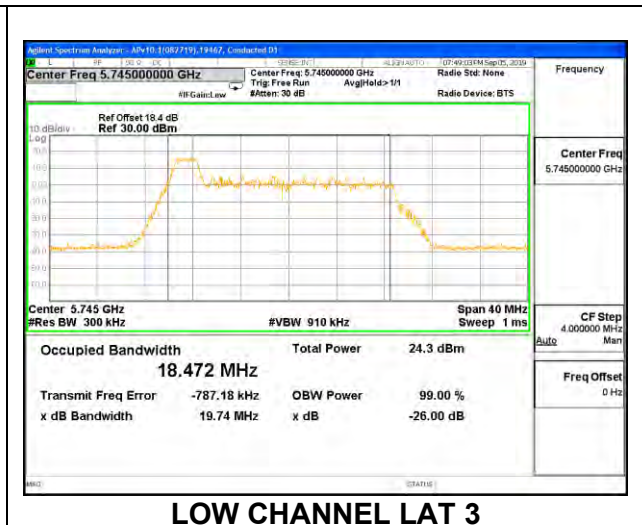
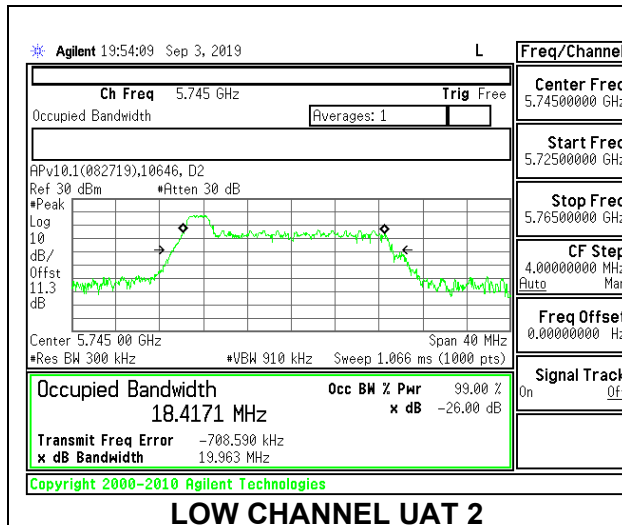
Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5745	18.9523	18.9640
Mid	5785	19.0085	18.9600
High	5825	18.9698	18.9380

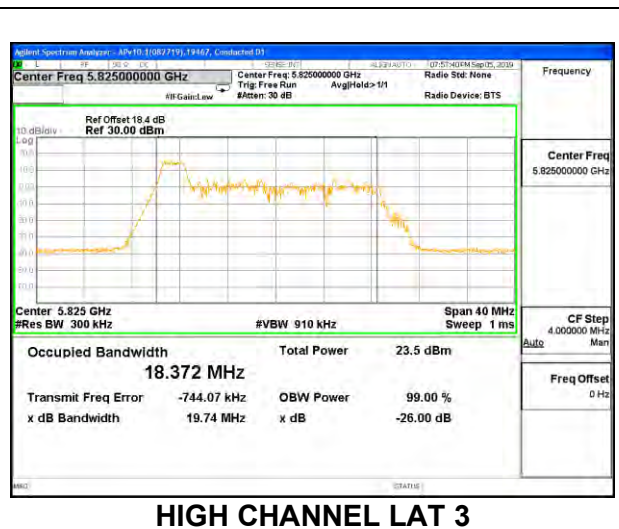
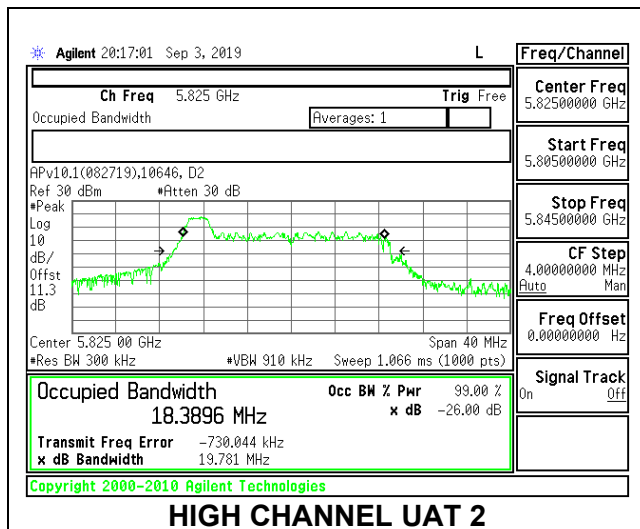




2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 0

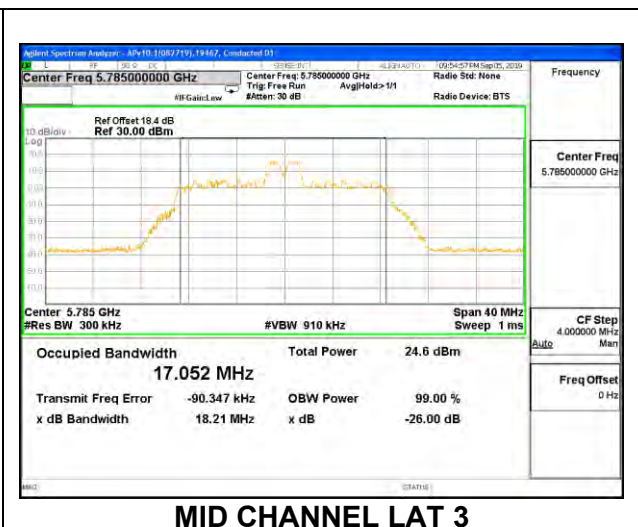
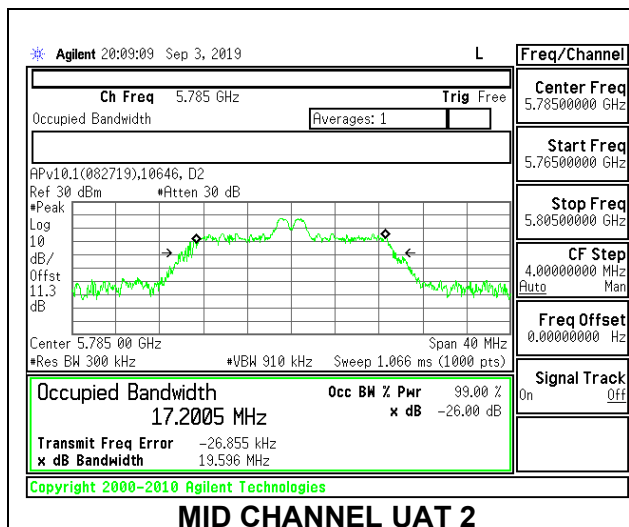
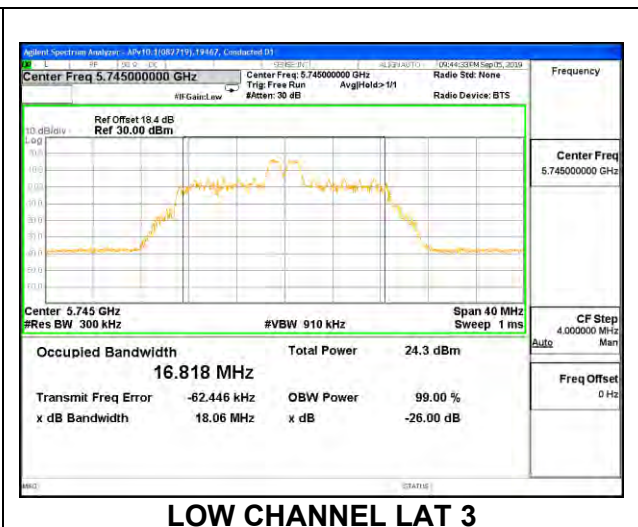
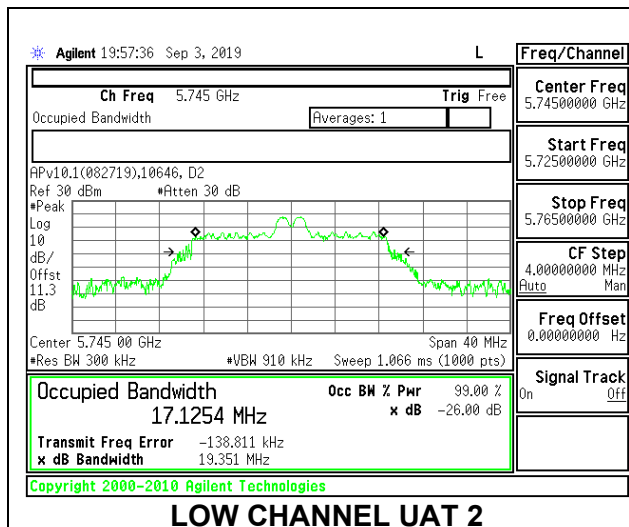
Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5745	18.4171	18.4720
Mid	5785	18.5114	18.3090
High	5825	18.3896	18.3720

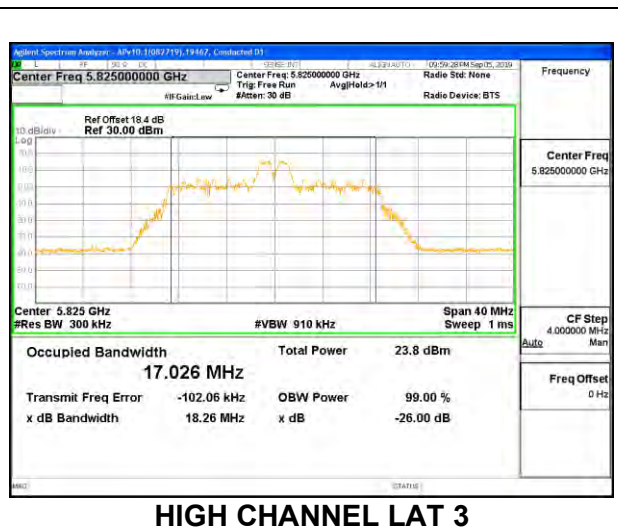
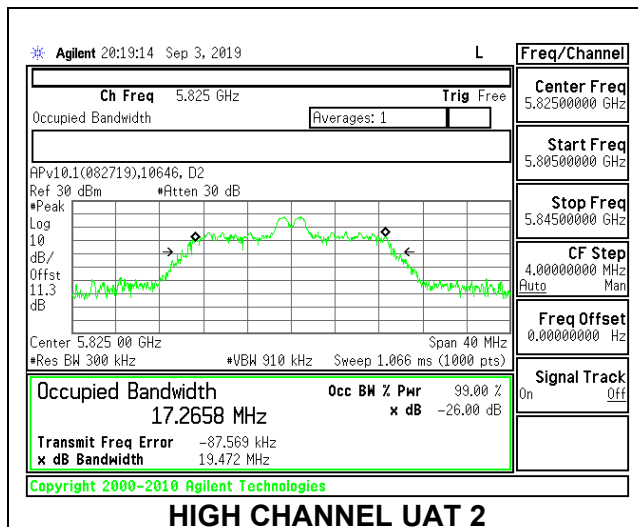




2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 4

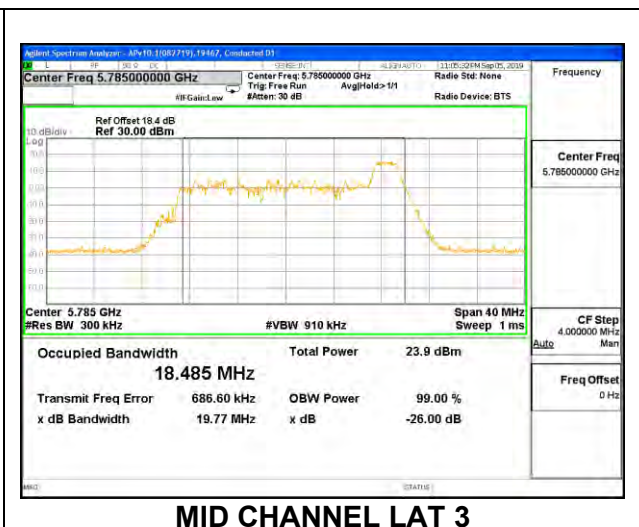
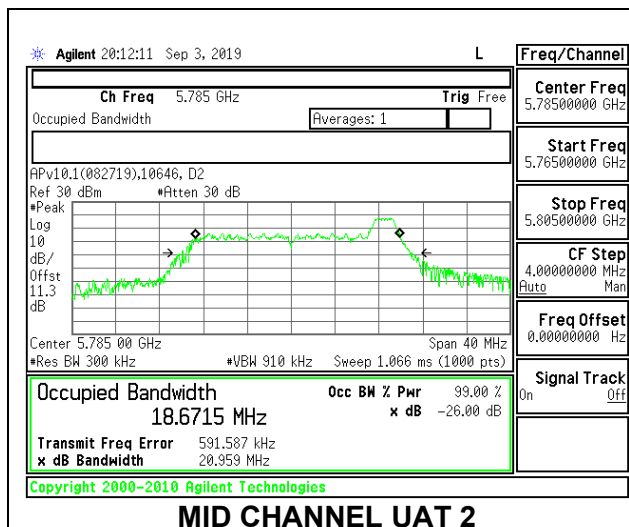
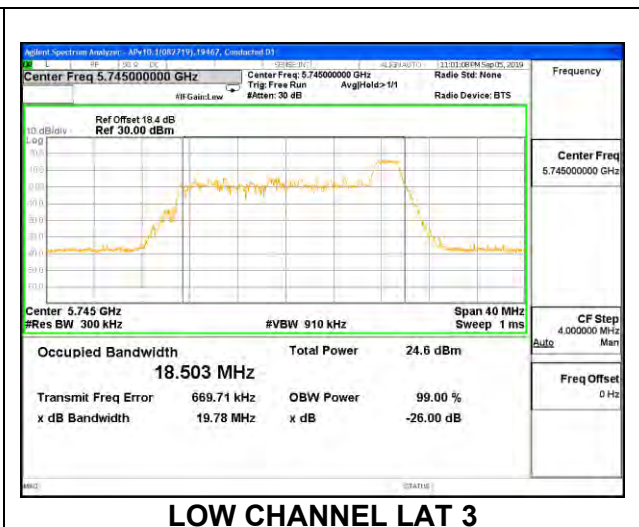
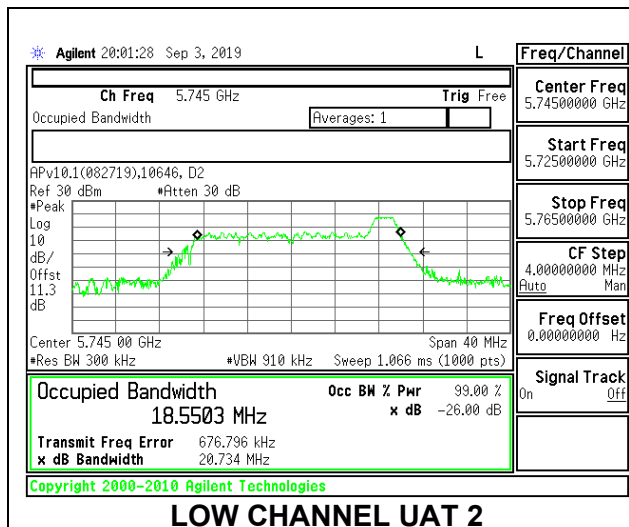
Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5745	17.1254	16.8180
Mid	5785	17.2005	17.0520
High	5825	17.2658	17.0260

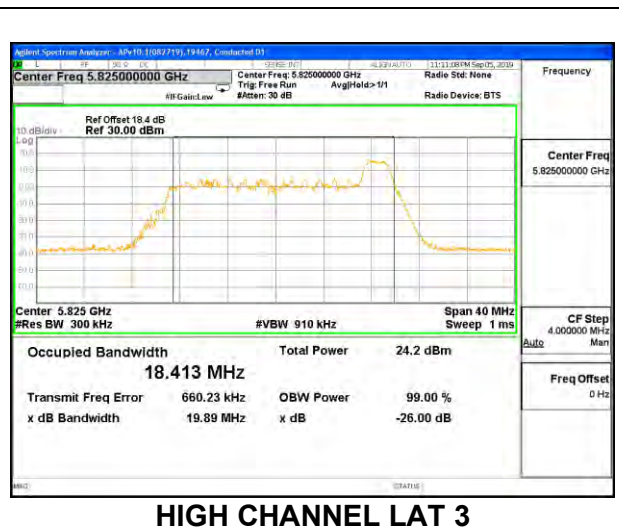
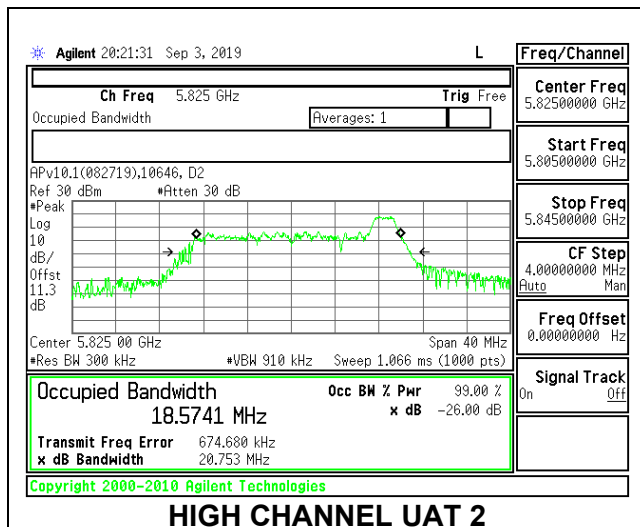




2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5745	18.5503	18.5030
Mid	5785	18.6715	18.4850
High	5825	18.5741	18.4130

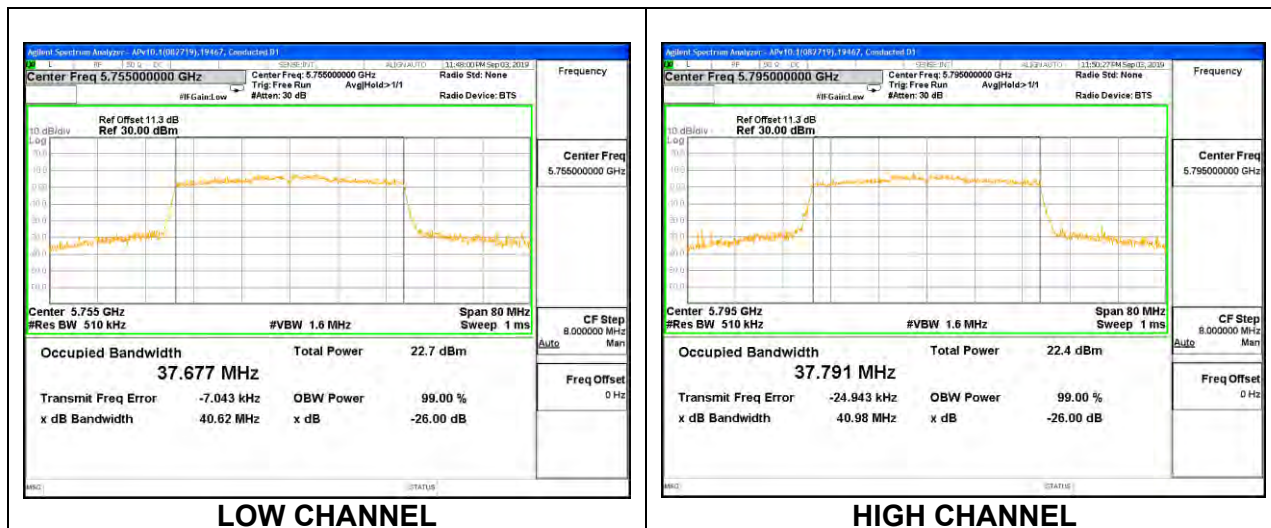




8.3.23. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

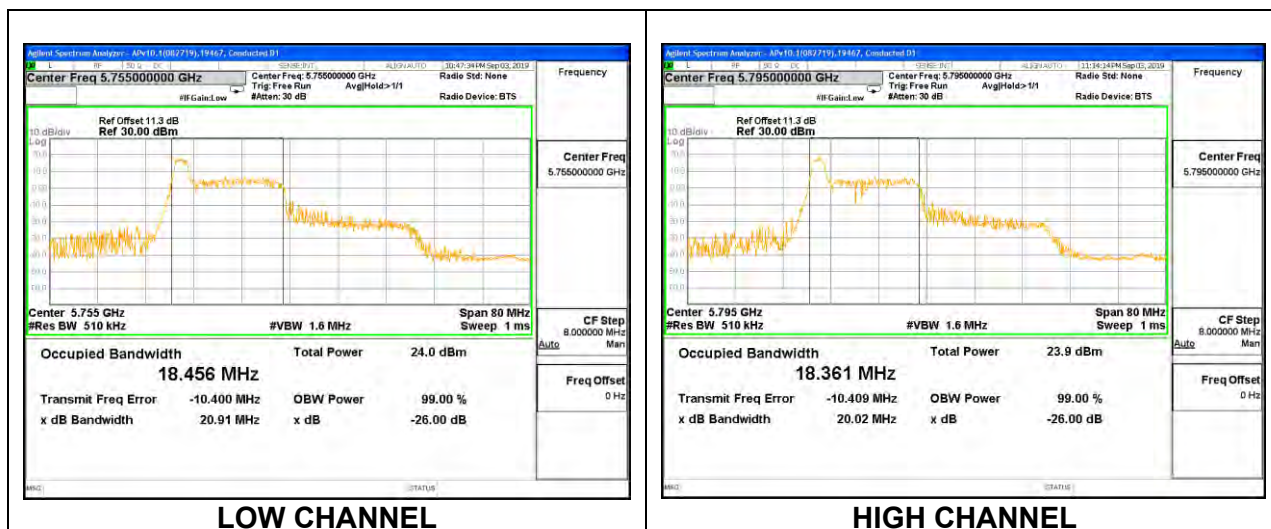
1TX UAT 2 MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	37.6770
High	5795	37.7910



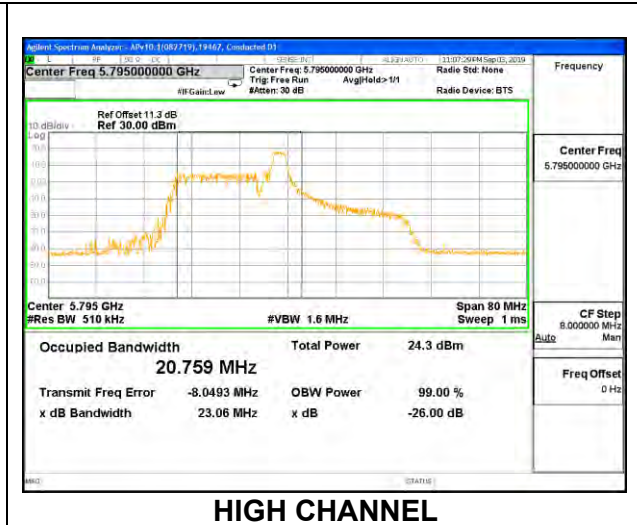
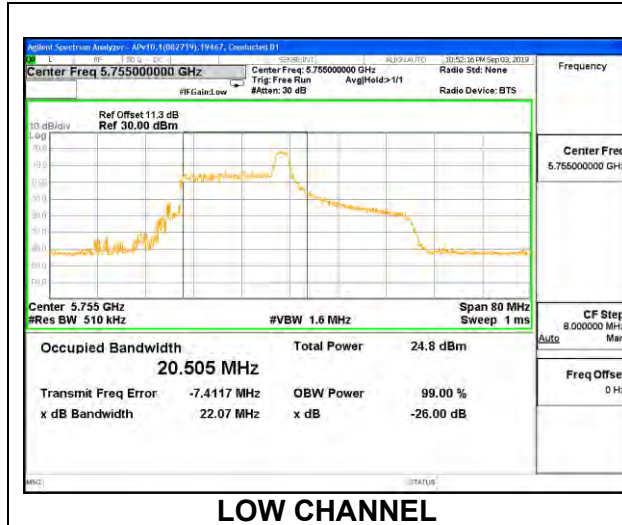
1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	18.4560
High	5795	18.3610



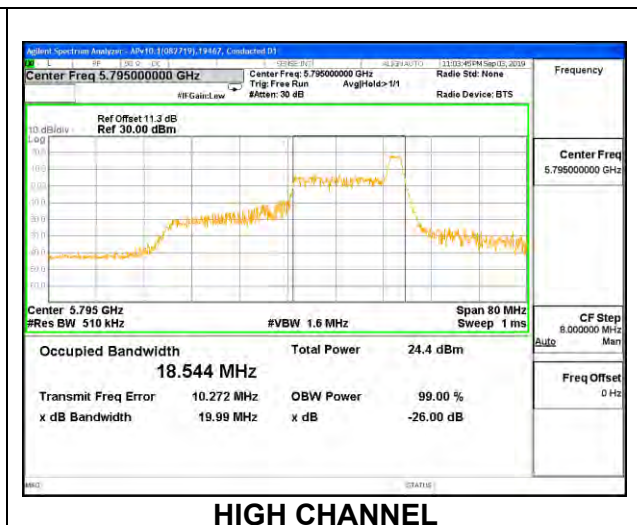
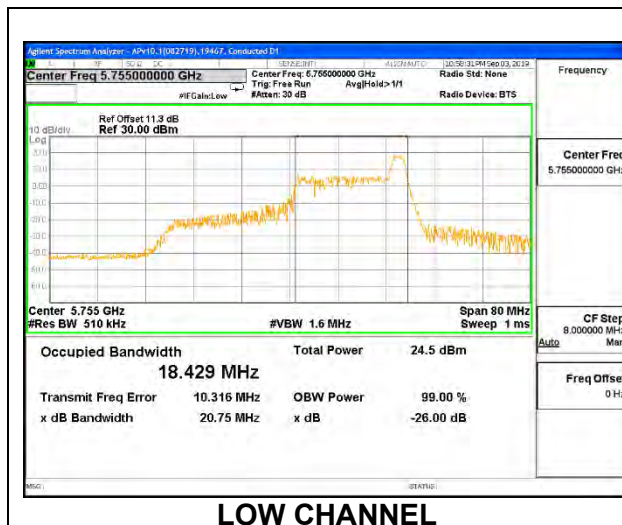
1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	20.5050
High	5795	20.7590



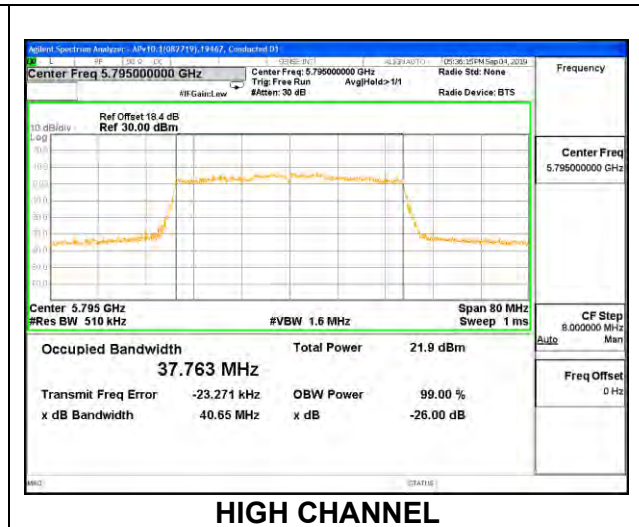
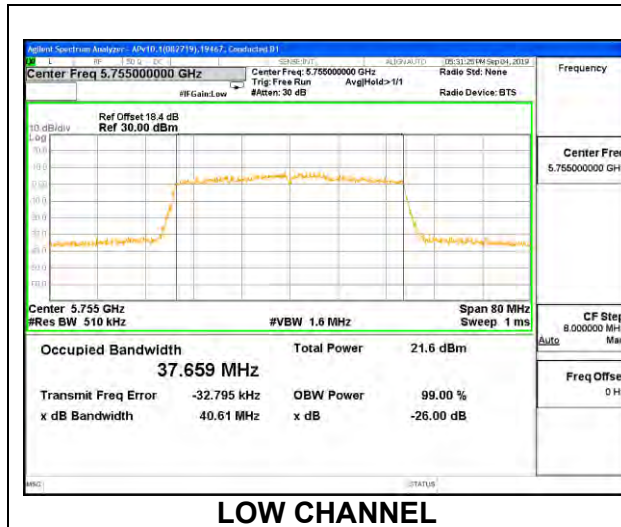
1TX UAT 2 MODE – 26 Tones, RU Index 17

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	18.4290
High	5795	18.5440



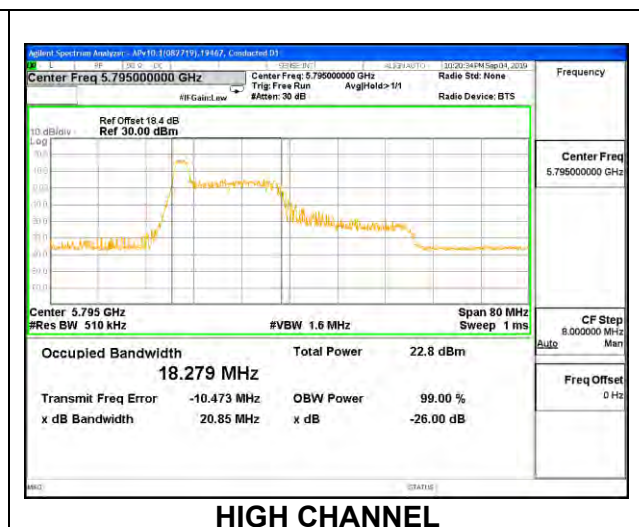
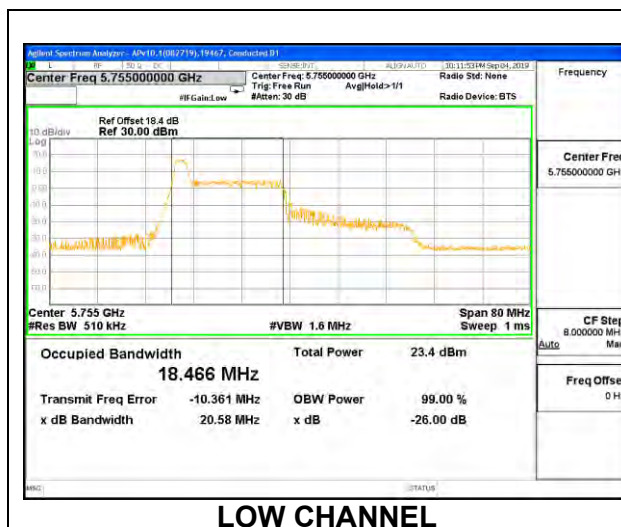
1TX LAT 3 MODE – 484 Tones, RU Index 65

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	37.6590
High	5795	37.7630



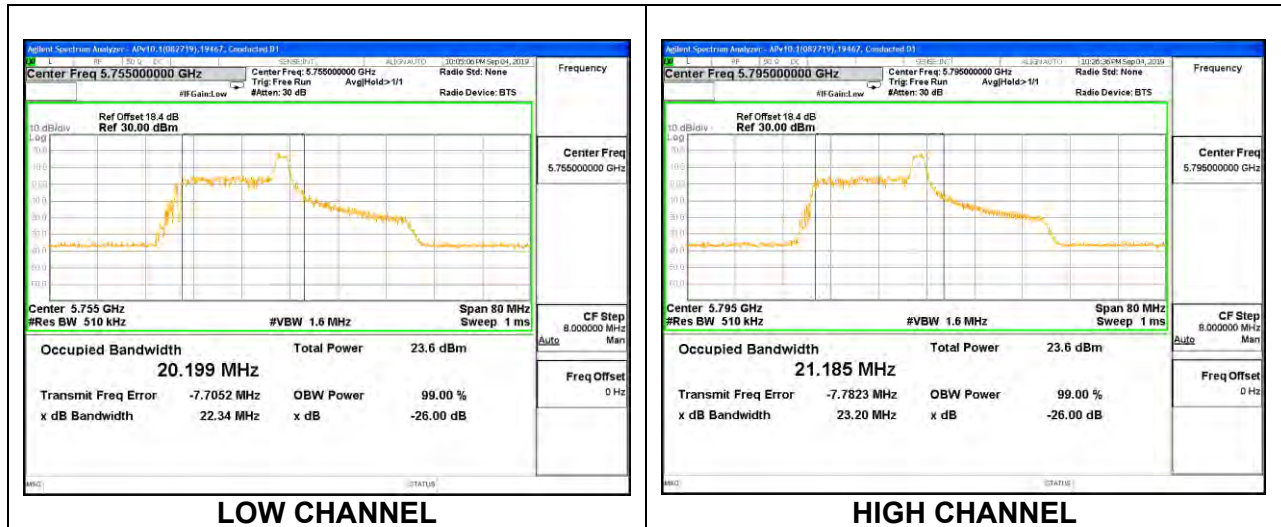
1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	18.4660
High	5795	18.2790



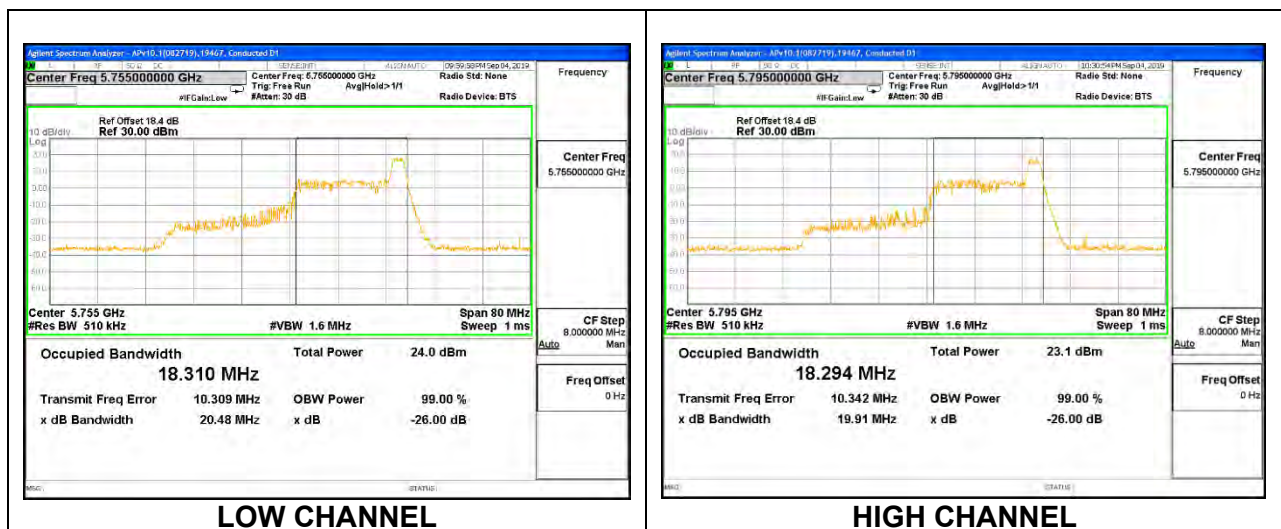
1TX LAT 3 MODE – 26 Tones, RU Index 8

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	20.1990
High	5795	21.1850



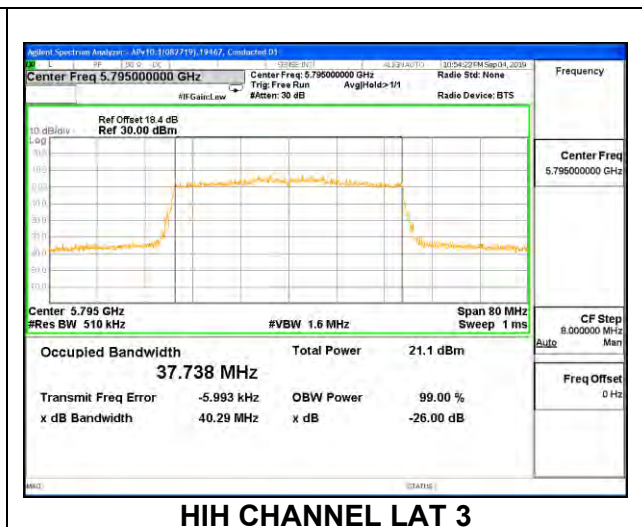
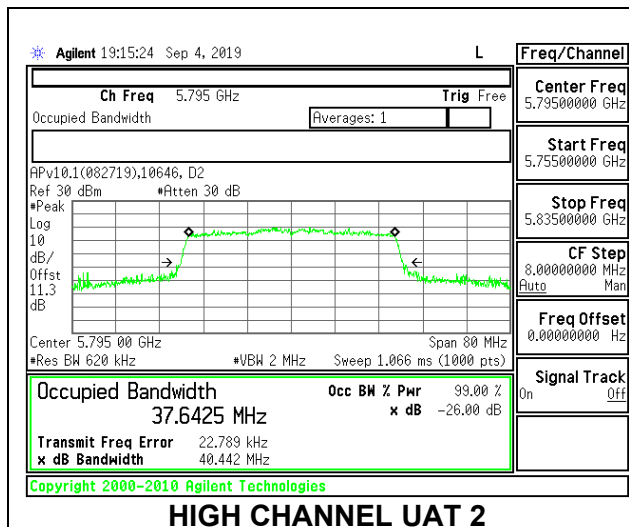
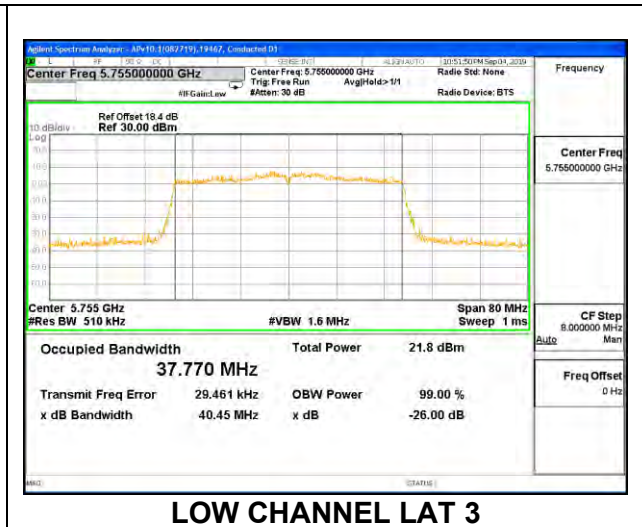
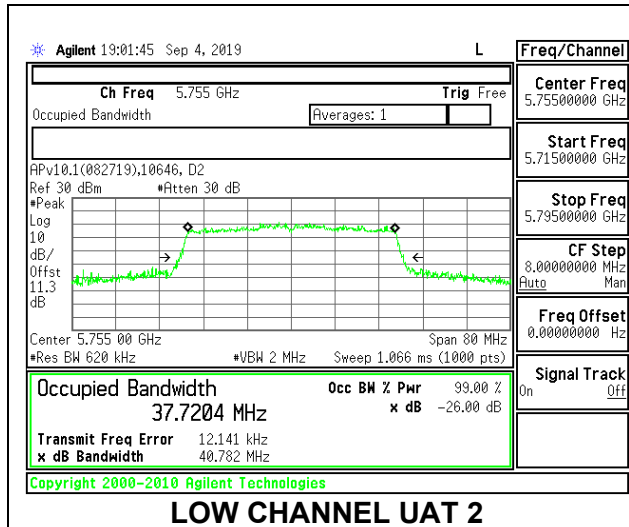
1TX LAT 3 MODE – 26 Tones, RU Index 17

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	18.310
High	5795	18.294



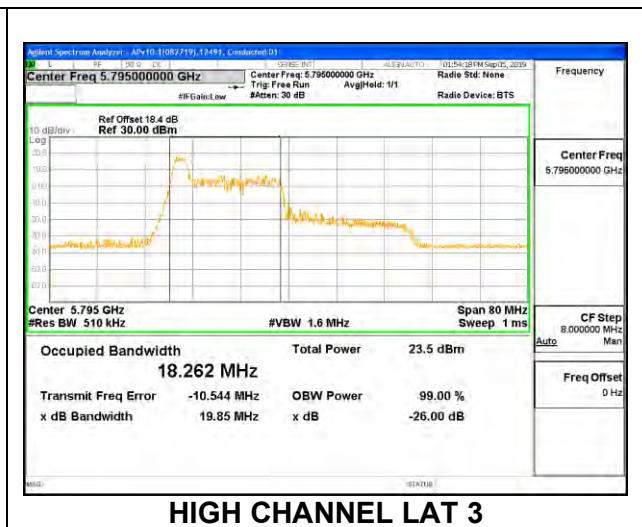
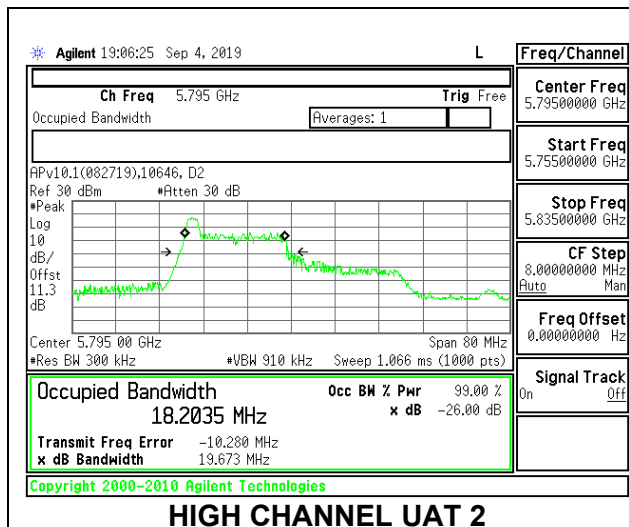
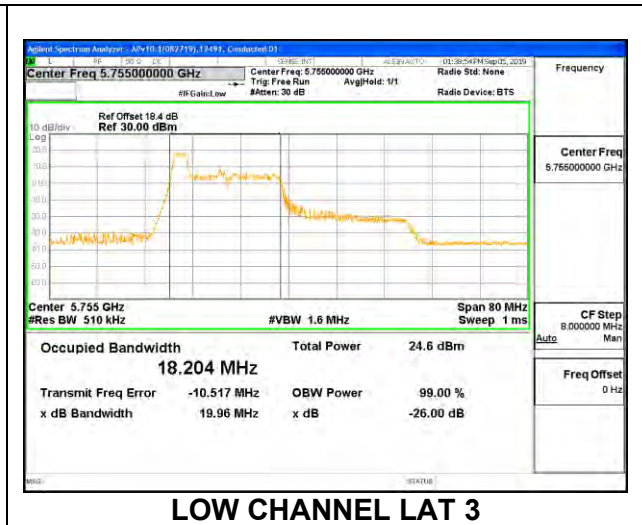
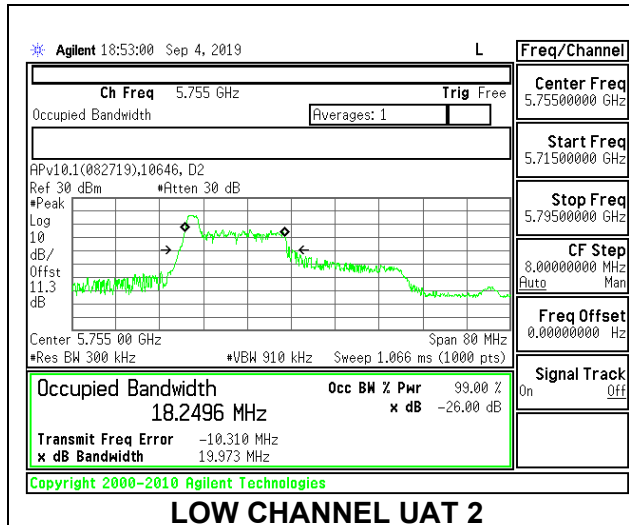
2TX UAT 2 + LAT 3 CDD MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5755	37.720	37.770
High	5795	37.643	37.738



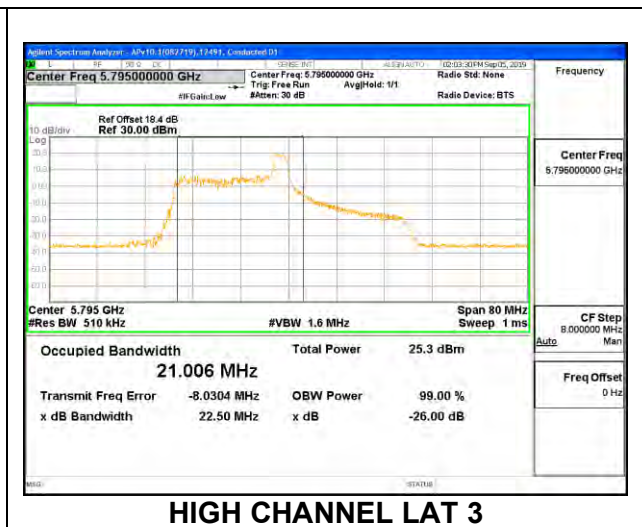
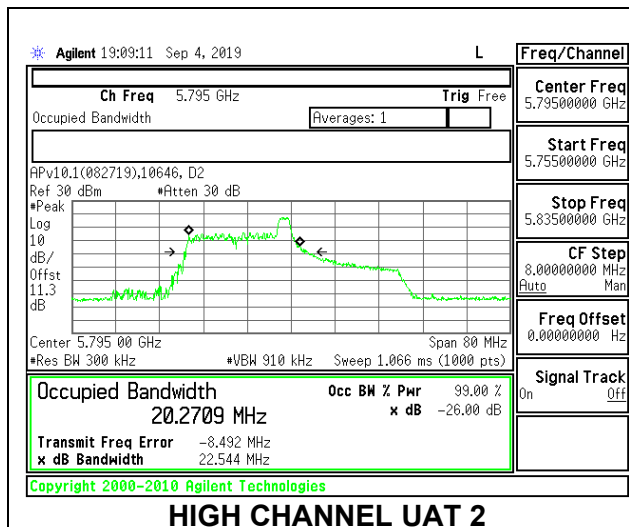
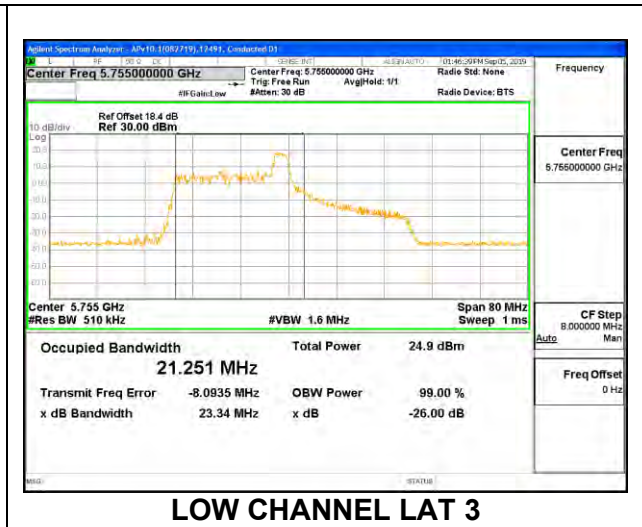
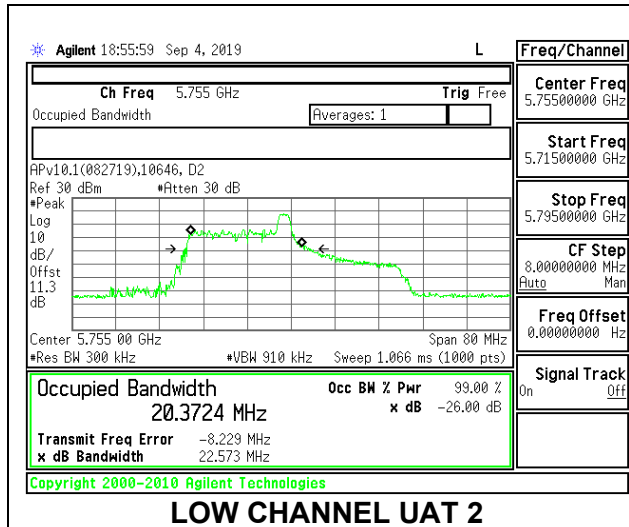
2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5755	18.2496	18.2040
High	5795	18.2035	18.2620



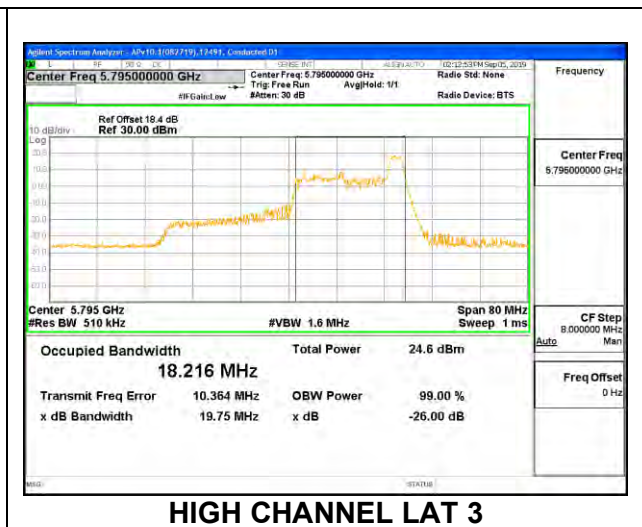
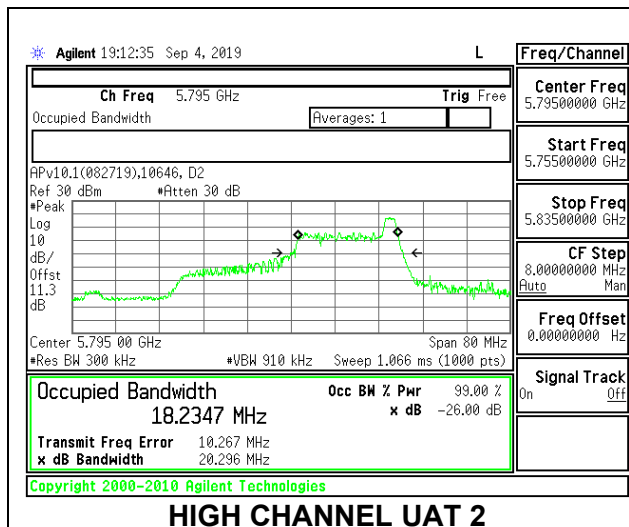
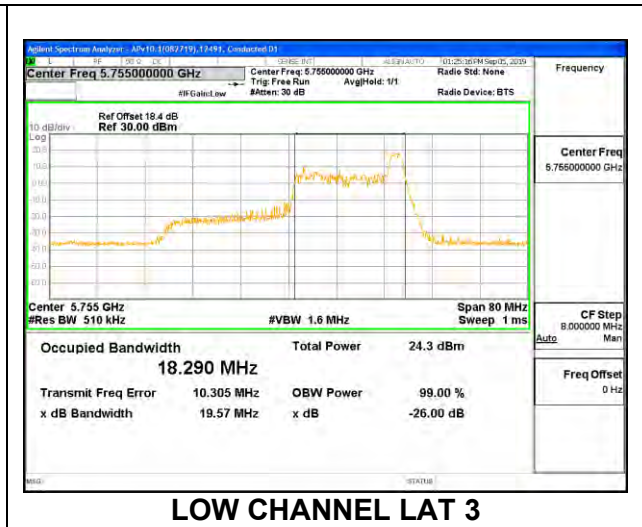
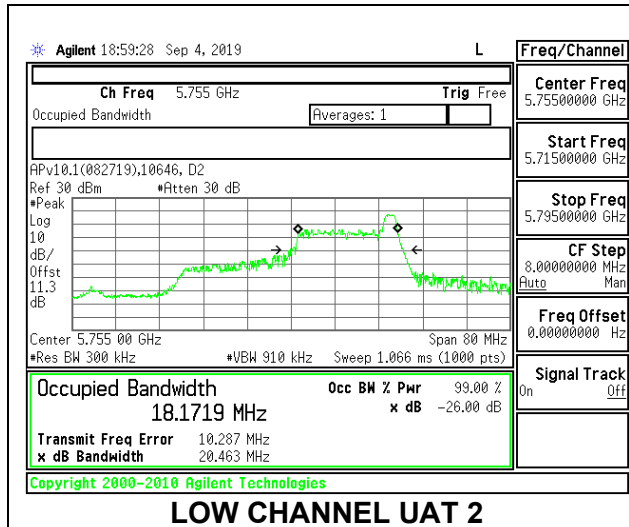
2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5755	20.3724	21.2510
High	5795	20.2709	21.0060



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

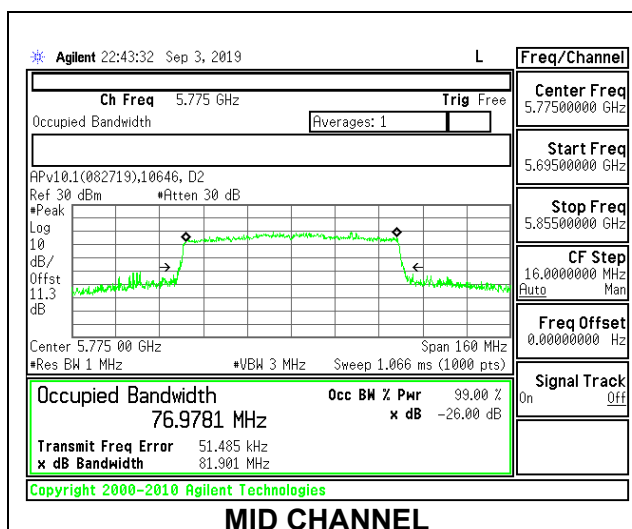
Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Low	5755	18.1719	18.2900
High	5795	18.2347	18.2160



8.3.24. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

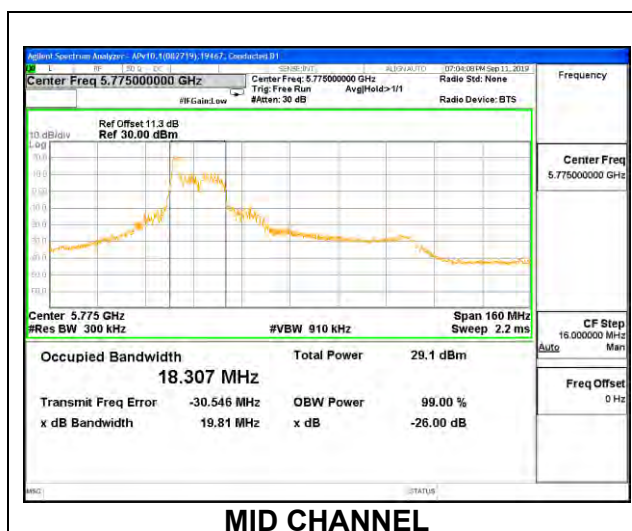
1TX UAT 2 MODE – 996 Tones, RU Index 67

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	76.9781



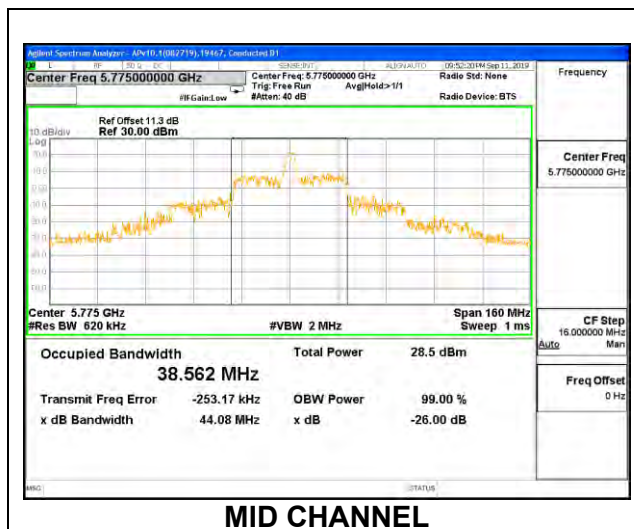
1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	18.3070



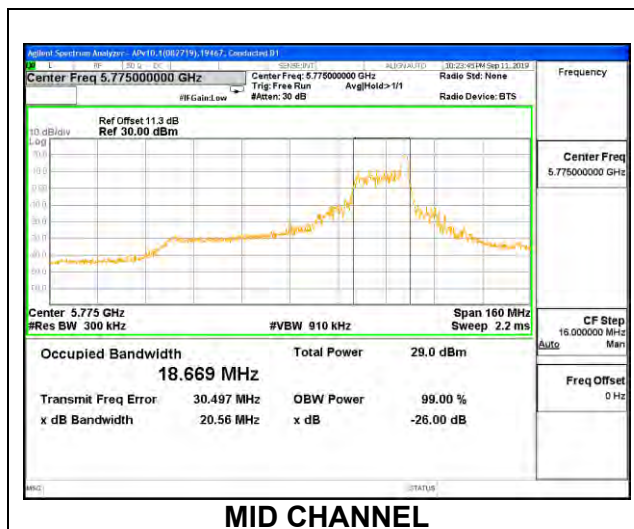
1TX UAT 2 MODE – 26 Tones, RU Index 18

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	38.5620



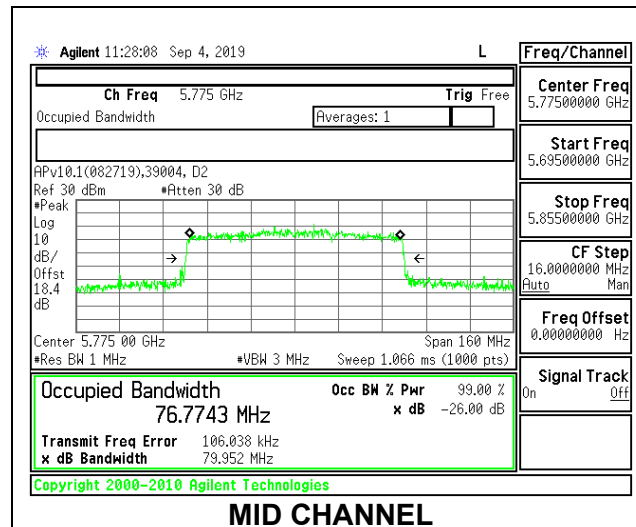
1TX UAT 2 MODE – 26 Tones, RU Index 36

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	18.6690



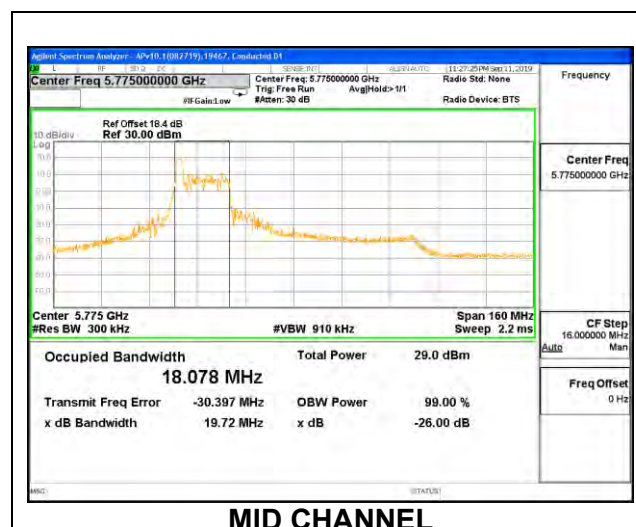
1TX LAT 3 MODE – 996 Tones, RU Index 67

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	76.7743



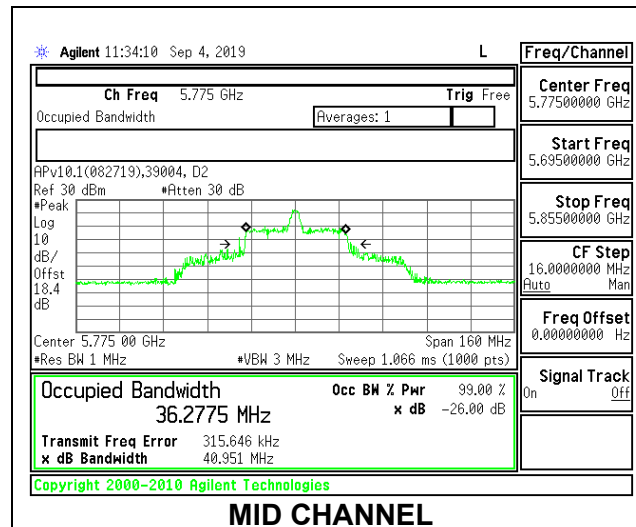
1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	18.0780



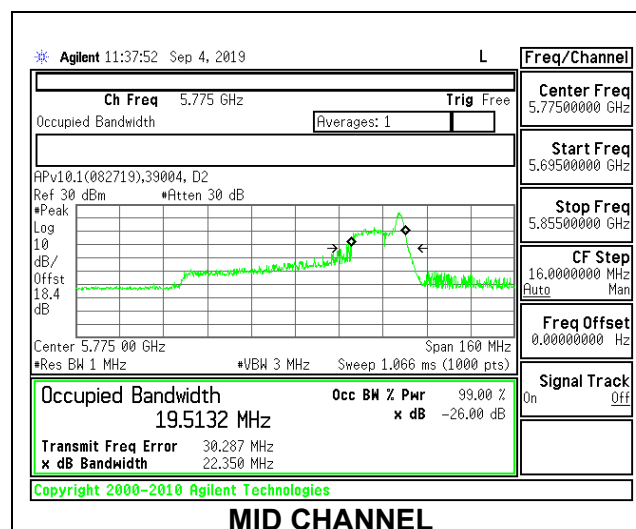
1TX LAT 3 MODE – 26 Tones, RU Index 18

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	36.2775



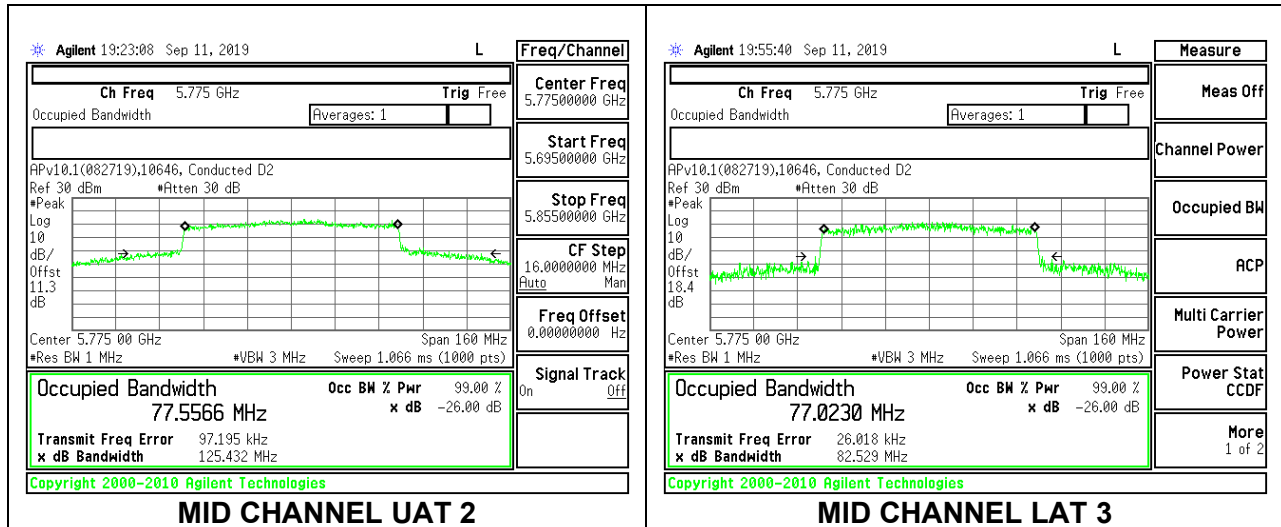
1TX LAT 3 MODE – 26 Tones, RU Index 36

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	19.5132



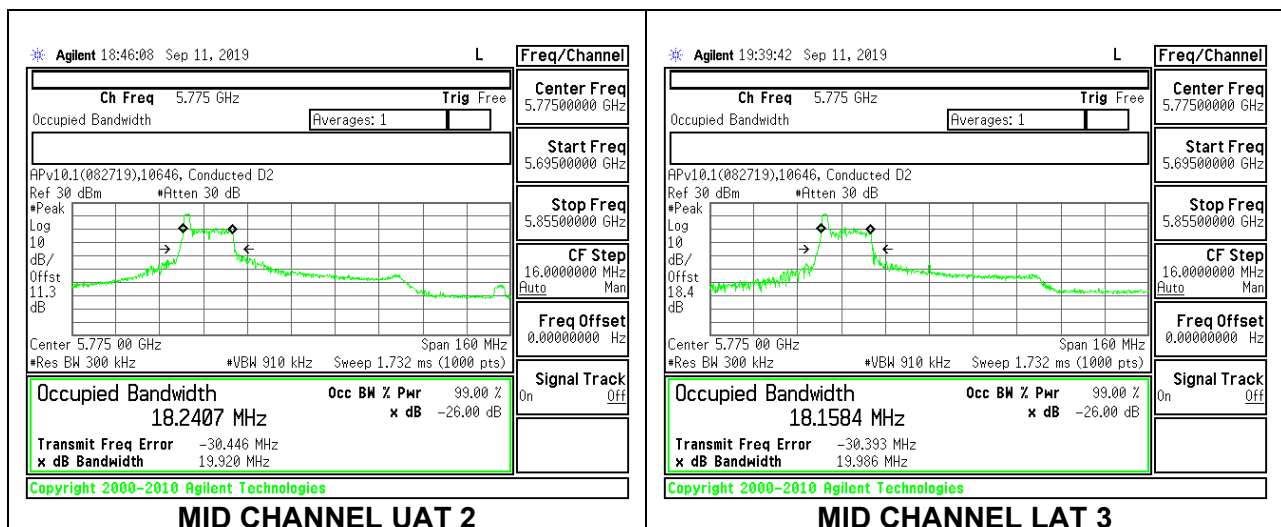
2TX UAT 2 + LAT 3 CDD MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Mid	5775	77.5566	77.0230



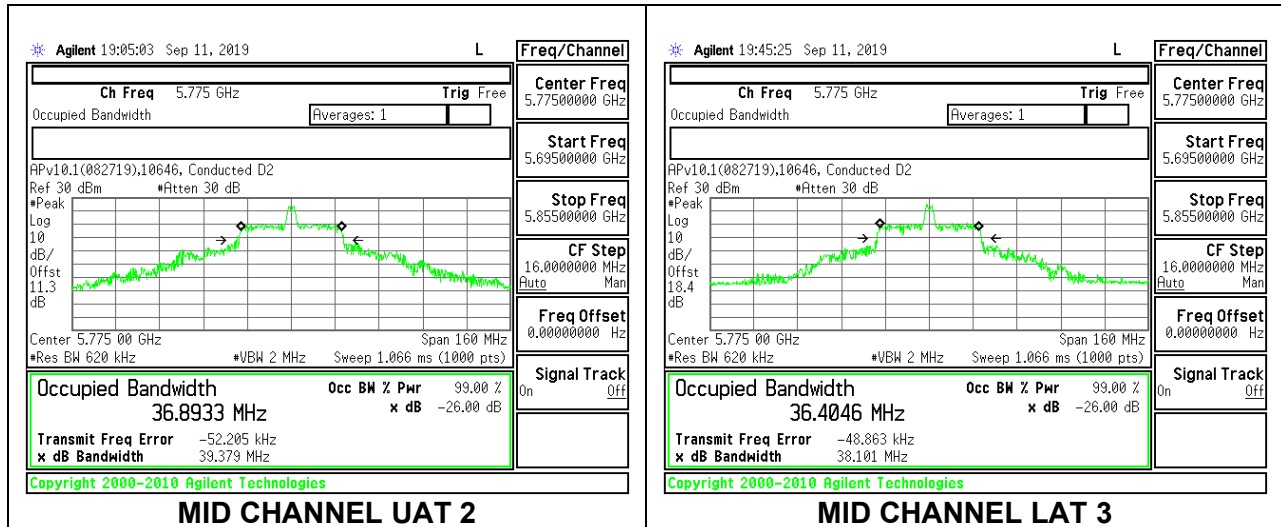
2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Mid	5775	18.2407	18.1584



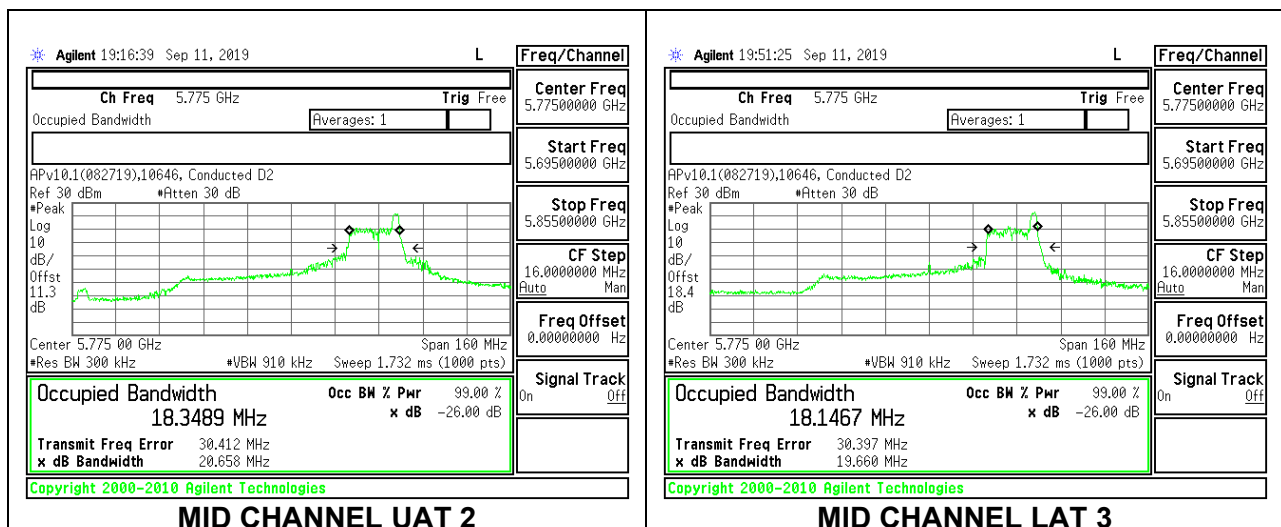
2TX UAT 2 + LAT 3 CDD MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Mid	5775	36.8933	36.4046



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

Channel	Frequency (MHz)	99% Bandwidth UAT 2 (MHz)	99% Bandwidth LAT 3 (MHz)
Mid	5775	18.3489	18.1467



8.4. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

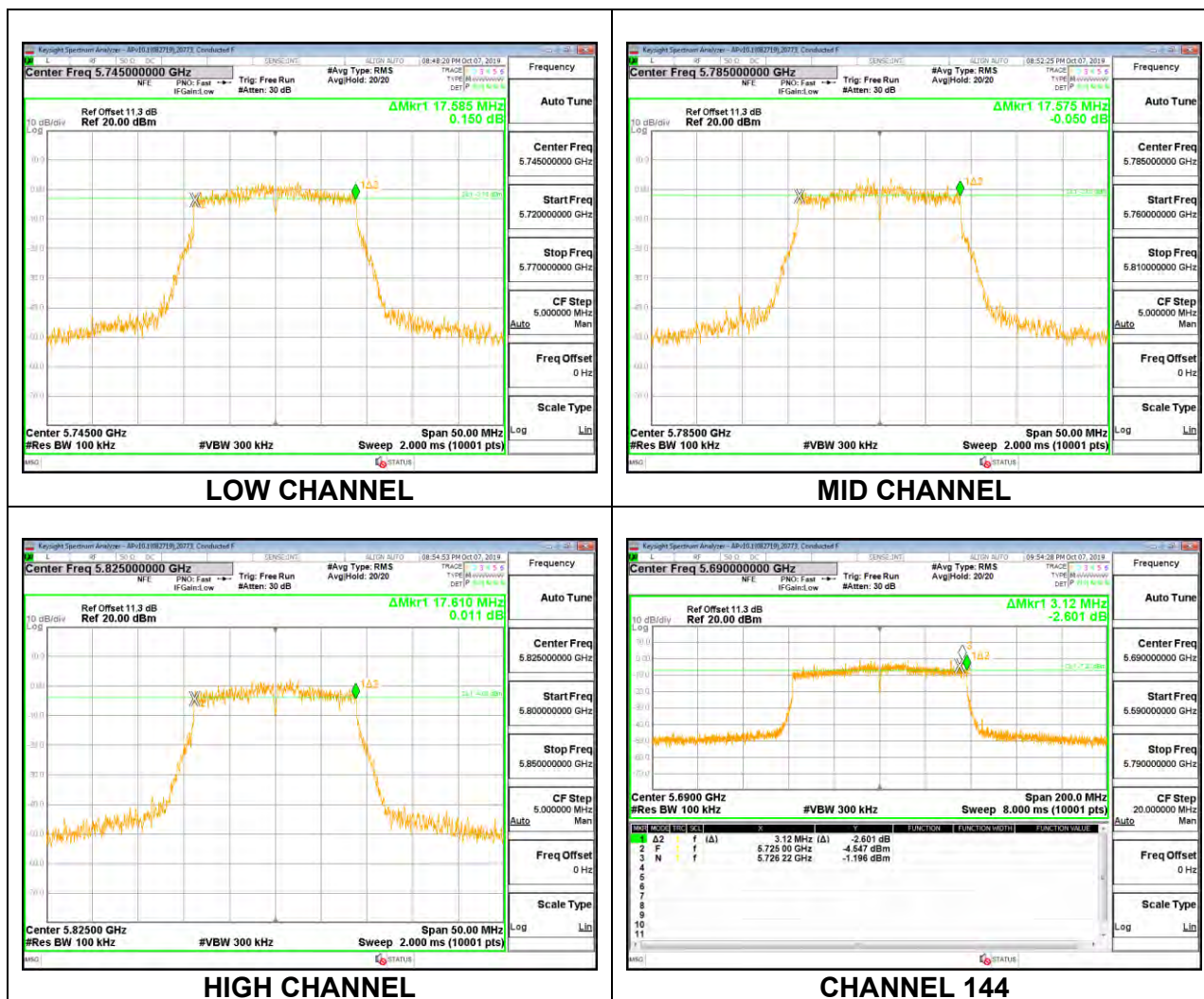
Note: No 6dB emission bandwidth located after 5725MHz.

11ax HE20 Mode RU index 0, 4
11ax HE40 Mode RU index 0, 8
11ax HE80 Mode RU index 0, 18

8.4.1. 802.11n HT20 MODE IN THE 5.8 GHz BAND

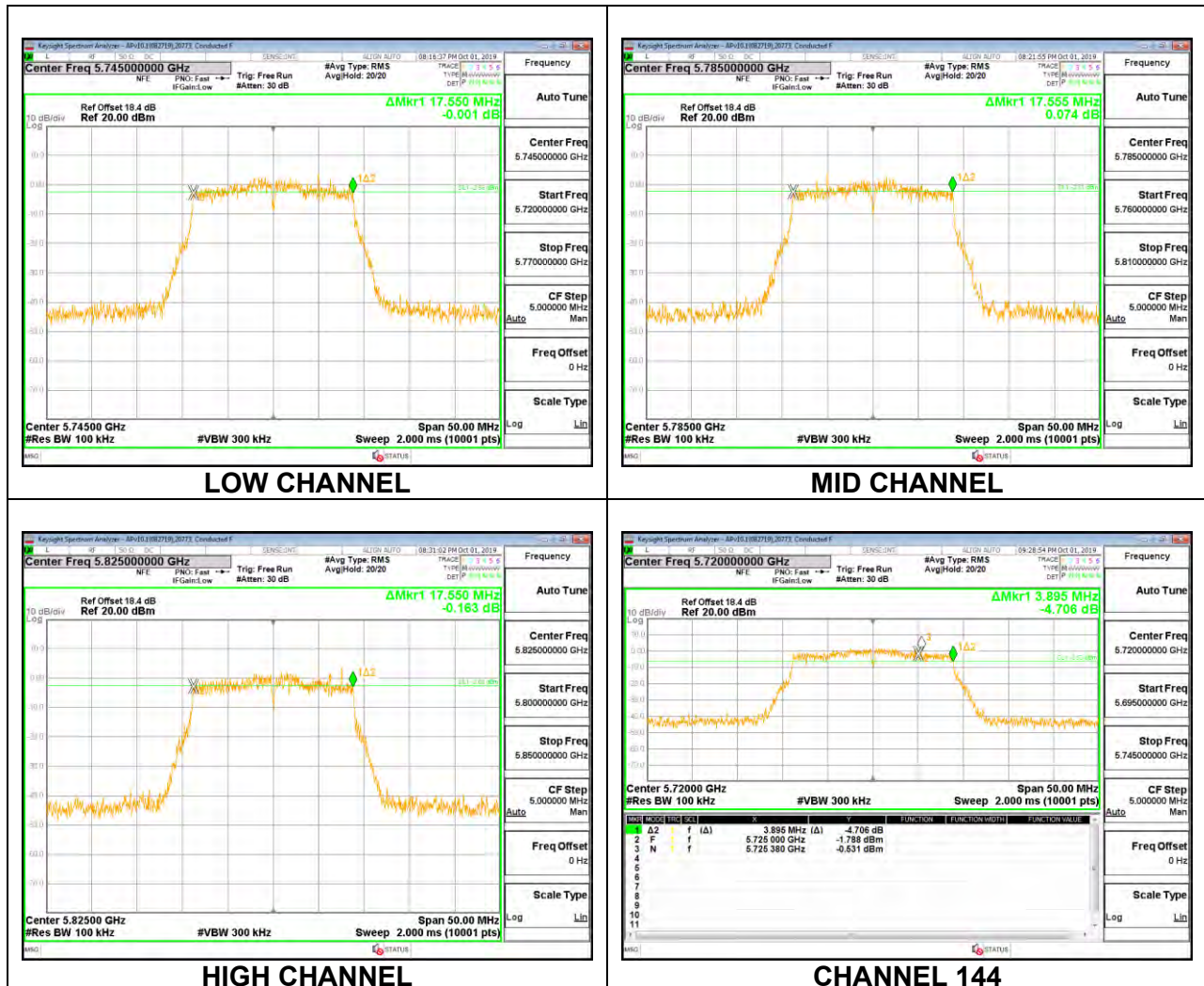
1TX UAT 2 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	17.585	0.5
Mid	5785	17.575	0.5
High	5825	17.610	0.5
144	5720	3.120	0.5



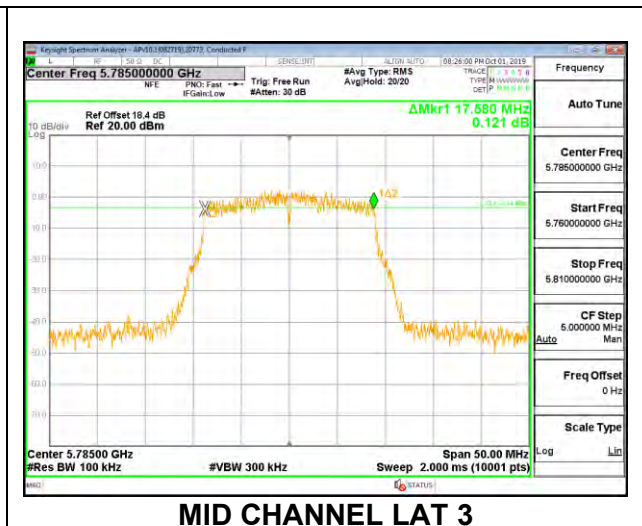
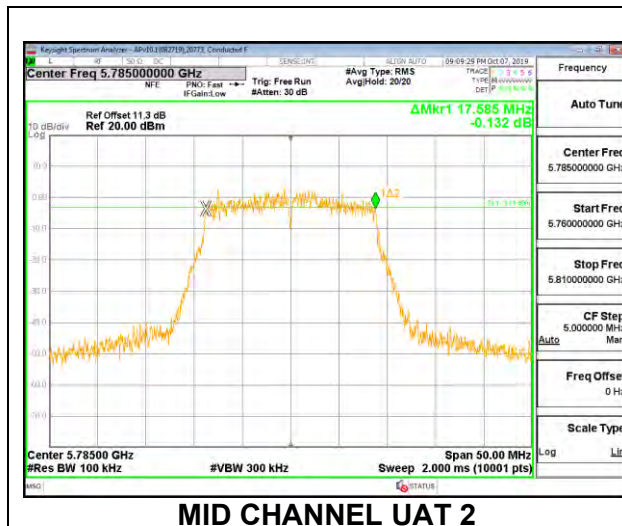
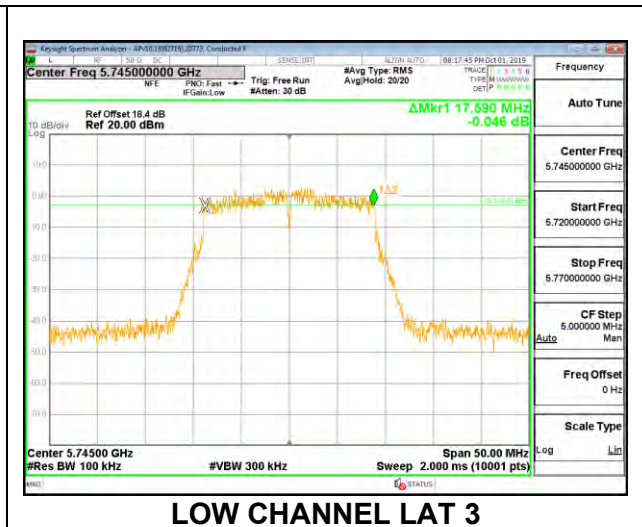
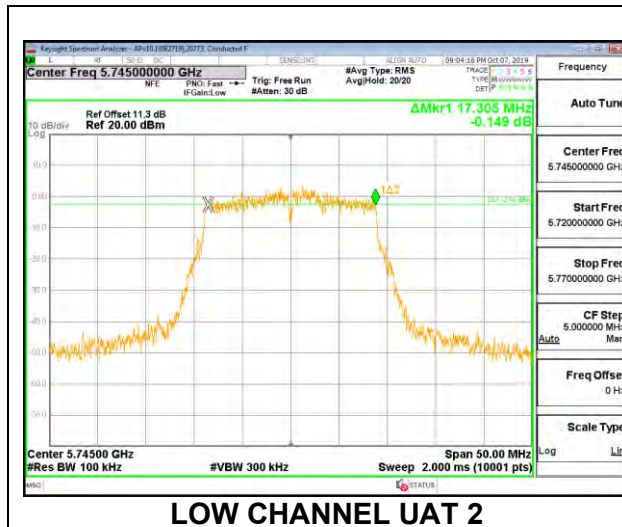
1TX LAT 3 MODE

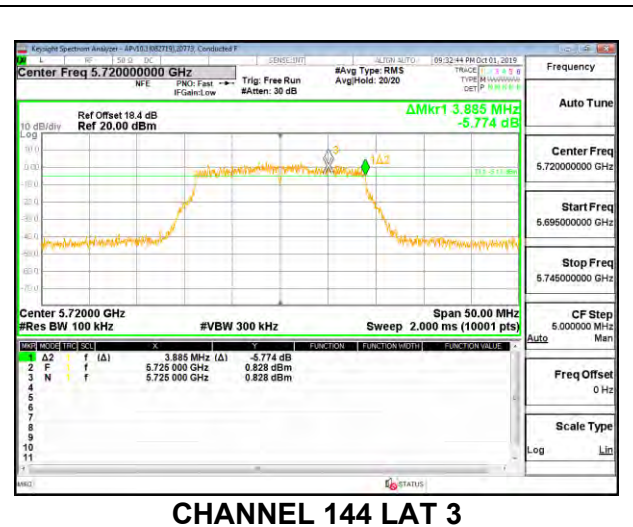
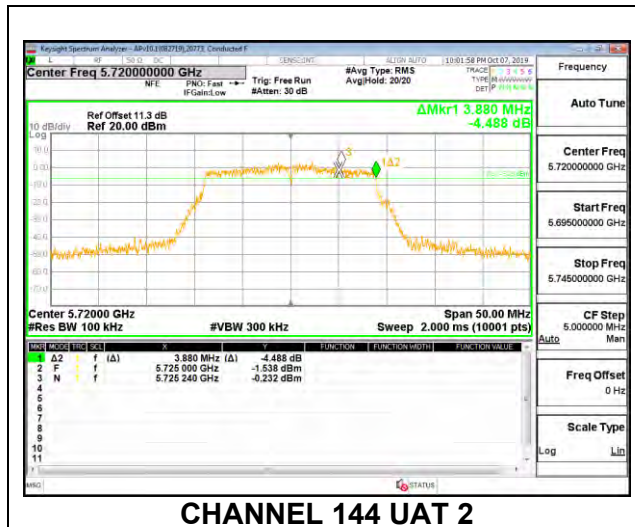
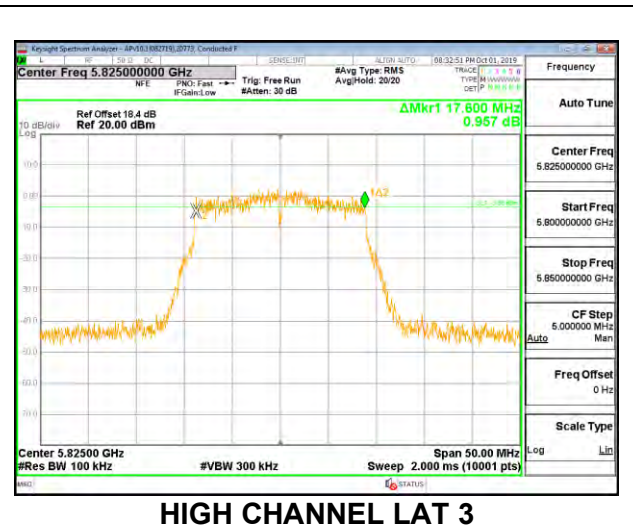
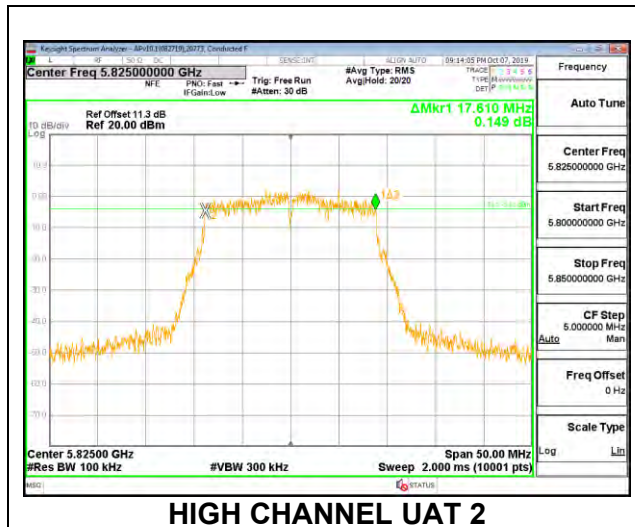
Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	17.550	0.5
Mid	5785	17.555	0.5
High	5825	17.550	0.5
144	5720	3.895	0.5



2TX UAT 2 + LAT 3 CDD MODE

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	17.305	17.590	0.5
Mid	5785	17.585	17.580	0.5
High	5825	17.610	17.600	0.5
144	5720	3.880	3.885	0.5

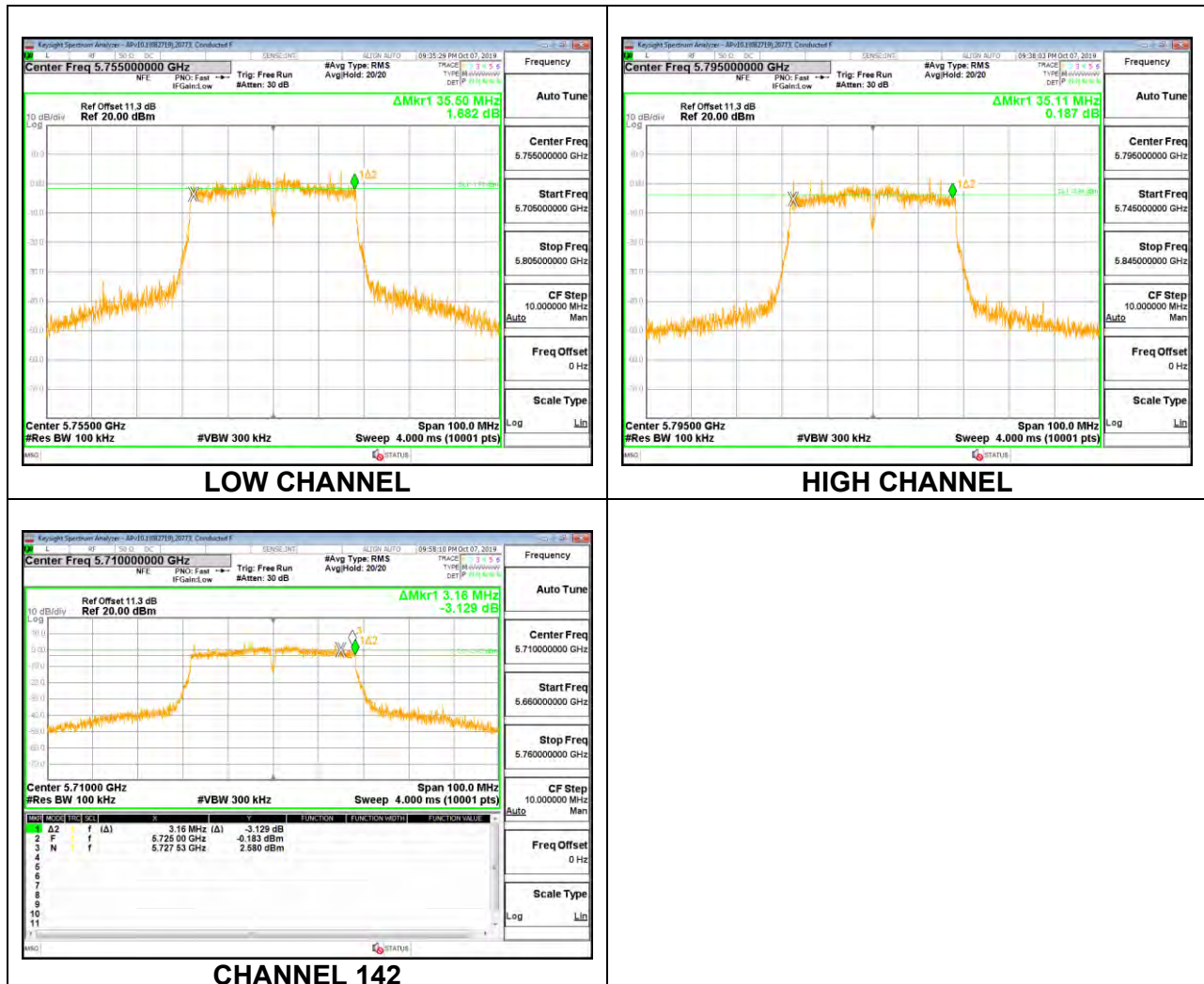




8.4.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

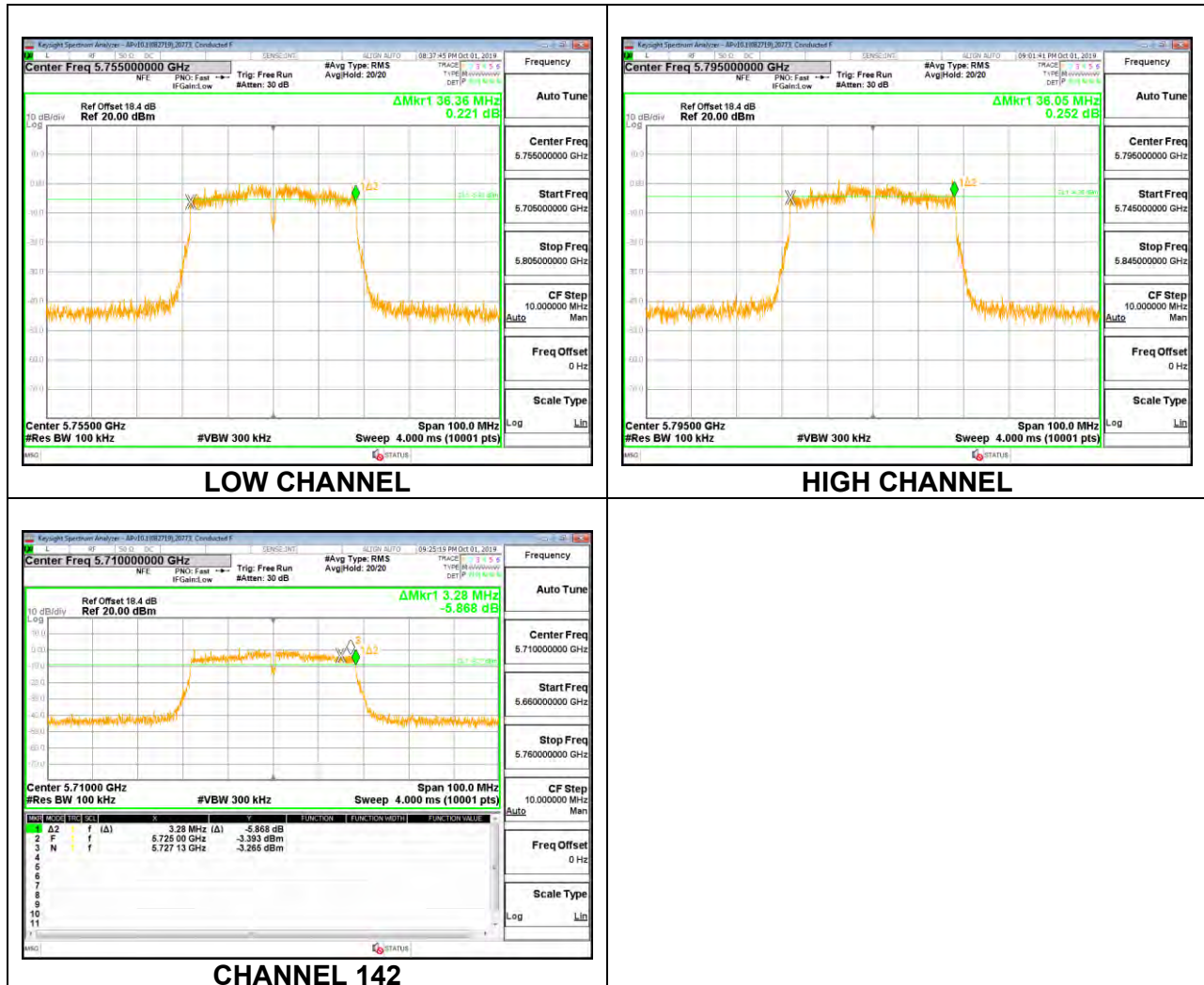
1TX UAT 2 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.500	0.5
High	5795	35.110	0.5
142	5710	3.160	0.5



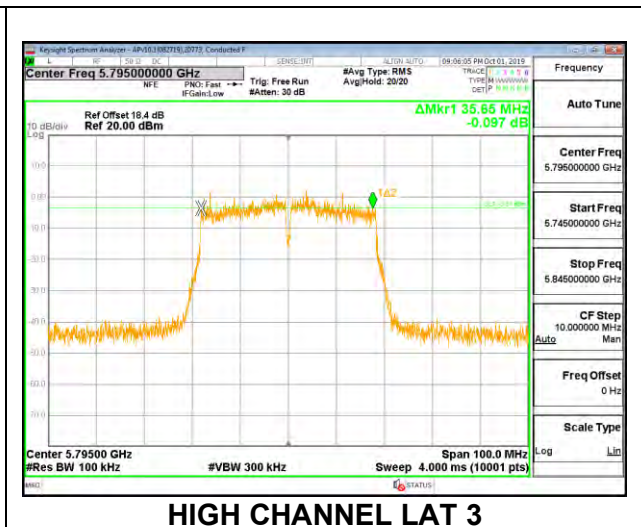
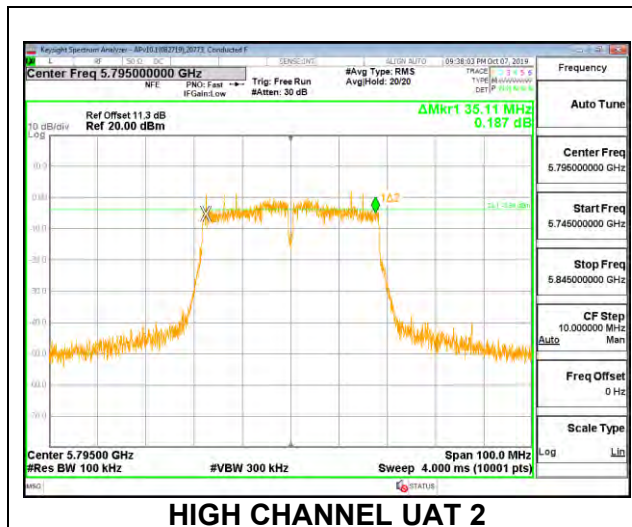
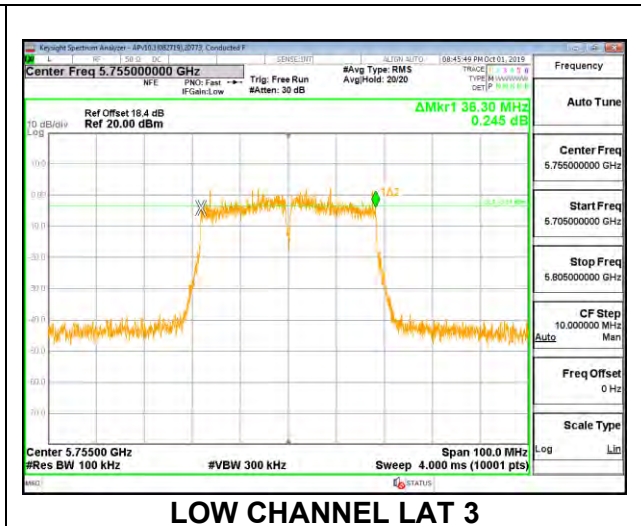
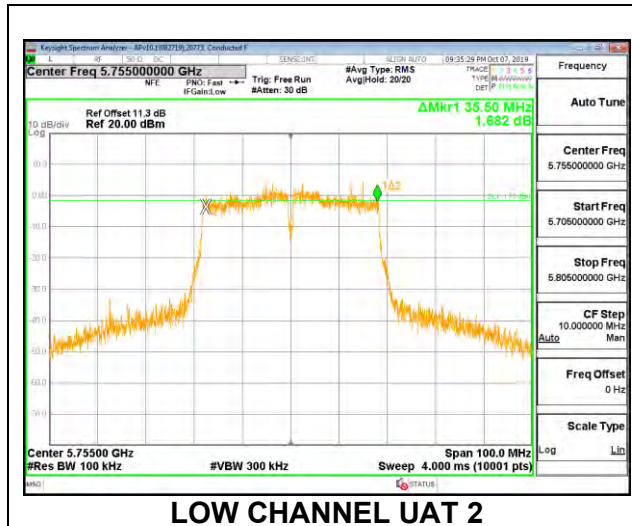
1TX LAT 3 MODE

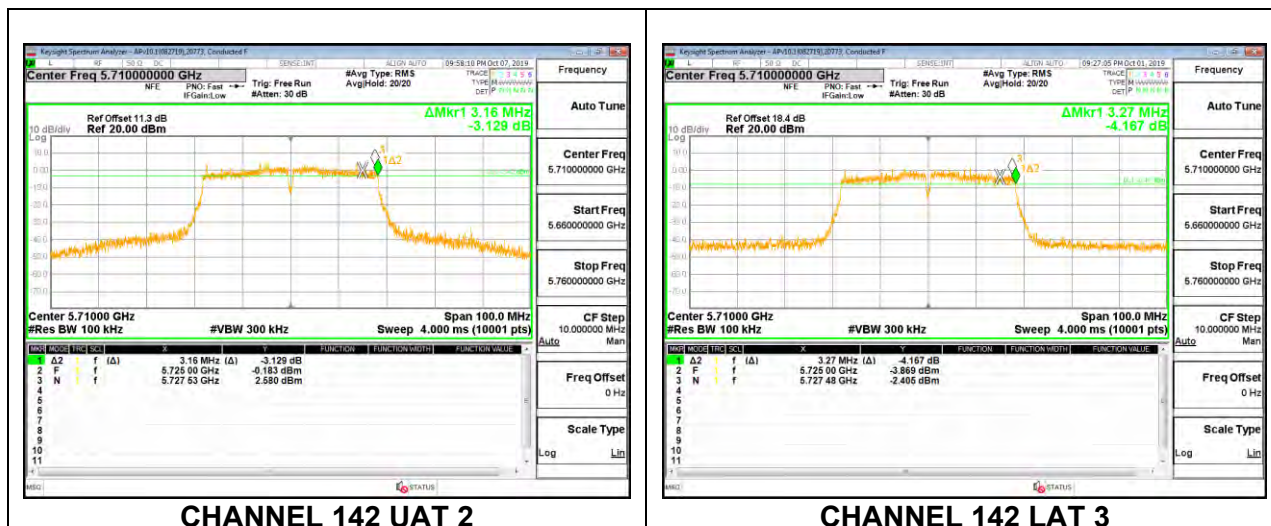
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5775	36.360	0.5
High	5795	36.050	0.5
142	5710	3.280	0.5



2TX UAT 2 + LAT 3 CDD MODE

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5755	35.500	36.300	0.5
High	5795	35.110	35.650	0.5
142	5710	3.160	3.270	0.5

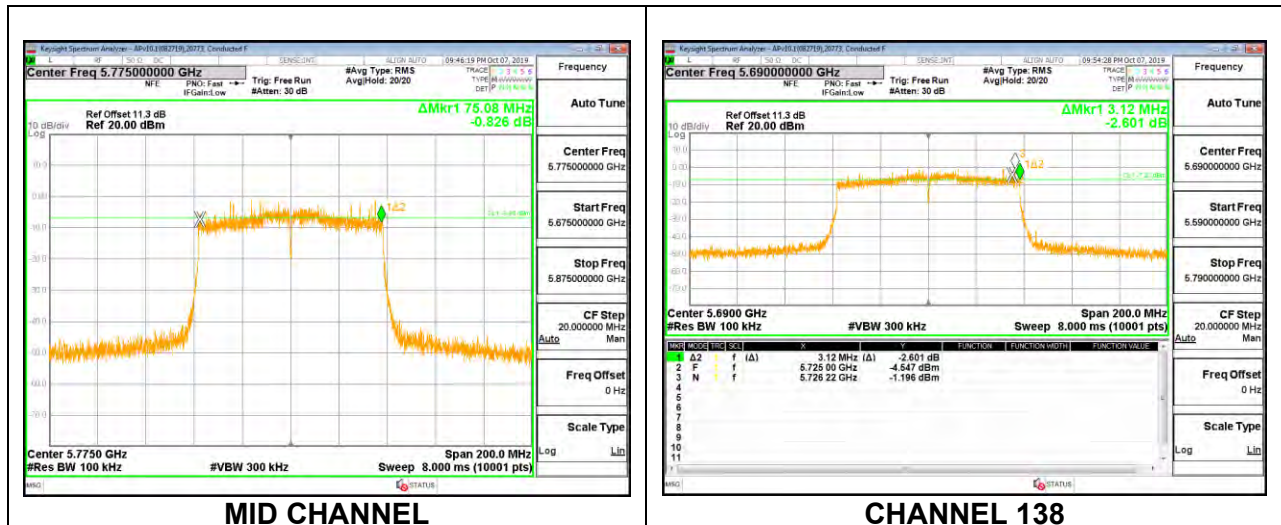




8.4.3. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

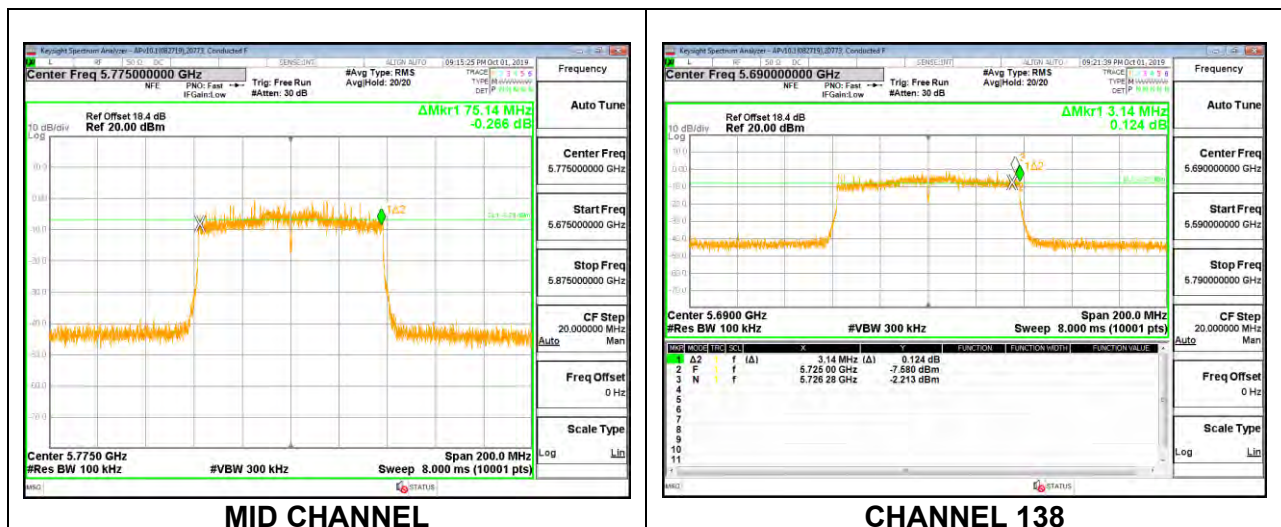
1TX UAT 2 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.080	0.5
138	5690	3.120	0.5



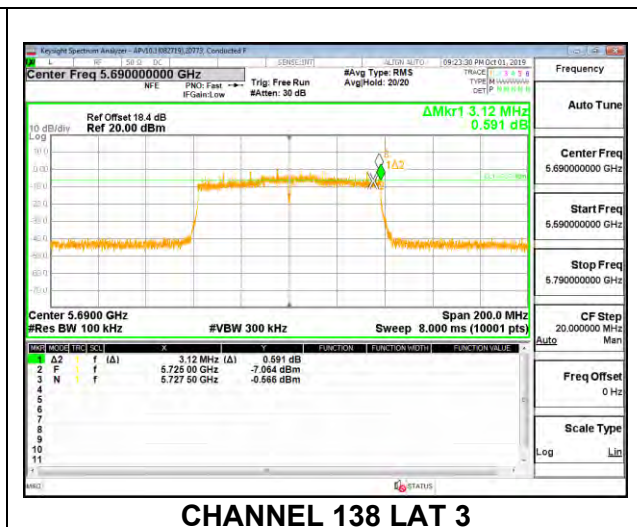
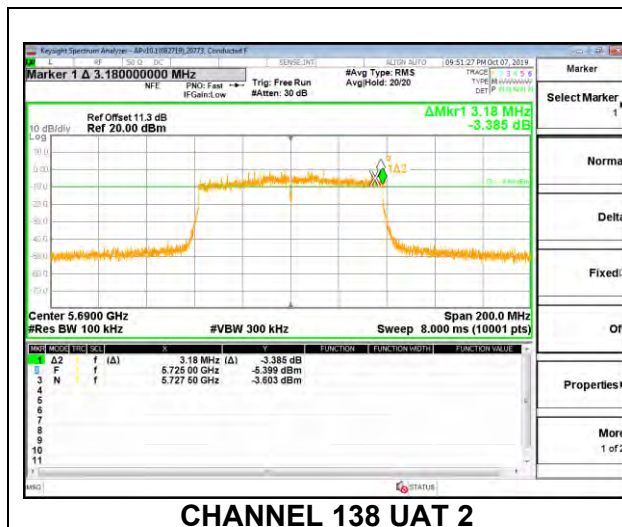
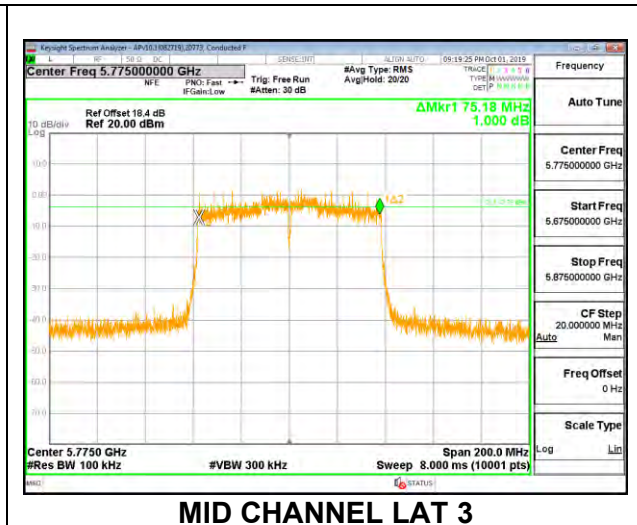
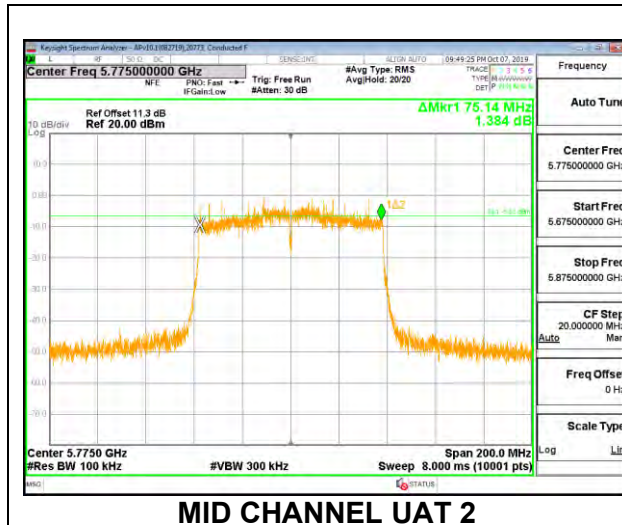
1TX LAT 3 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.140	0.5
138	5690	3.140	0.5



2TX UAT 2 + LAT 3 CDD MODE

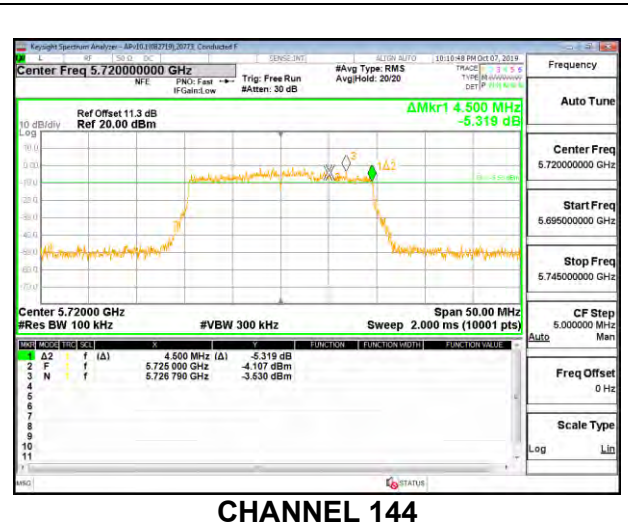
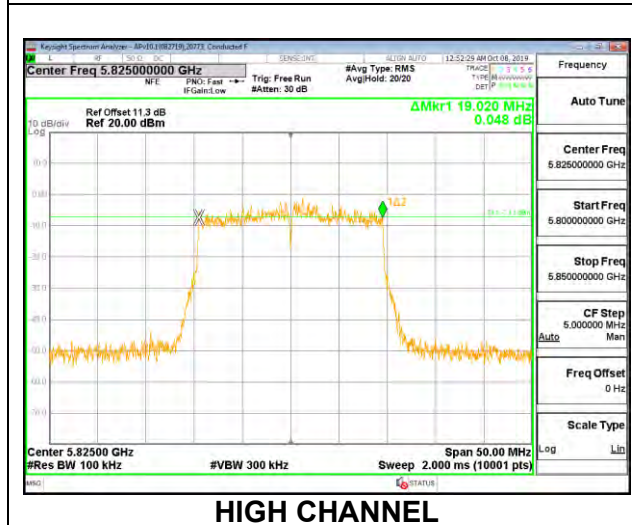
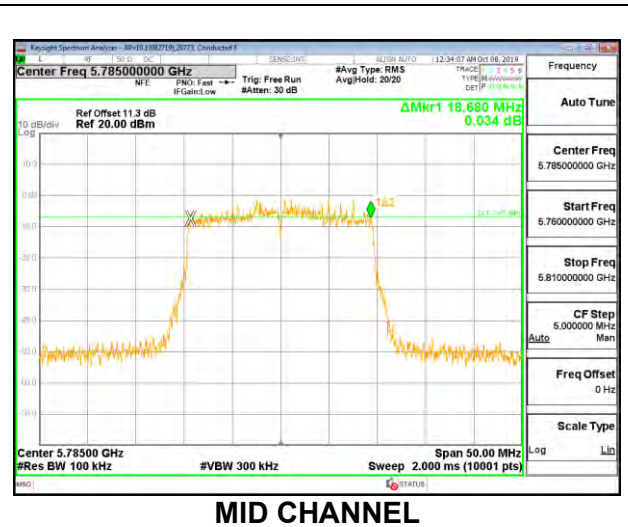
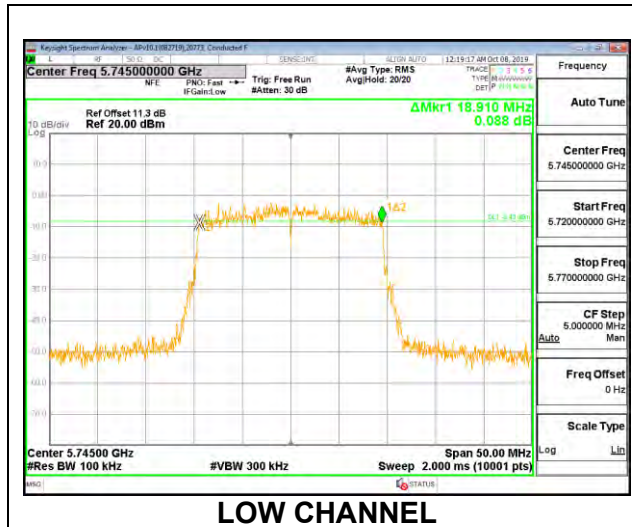
Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	75.140	75.180	0.5
138	5690	3.180	3.120	0.5



8.4.4. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

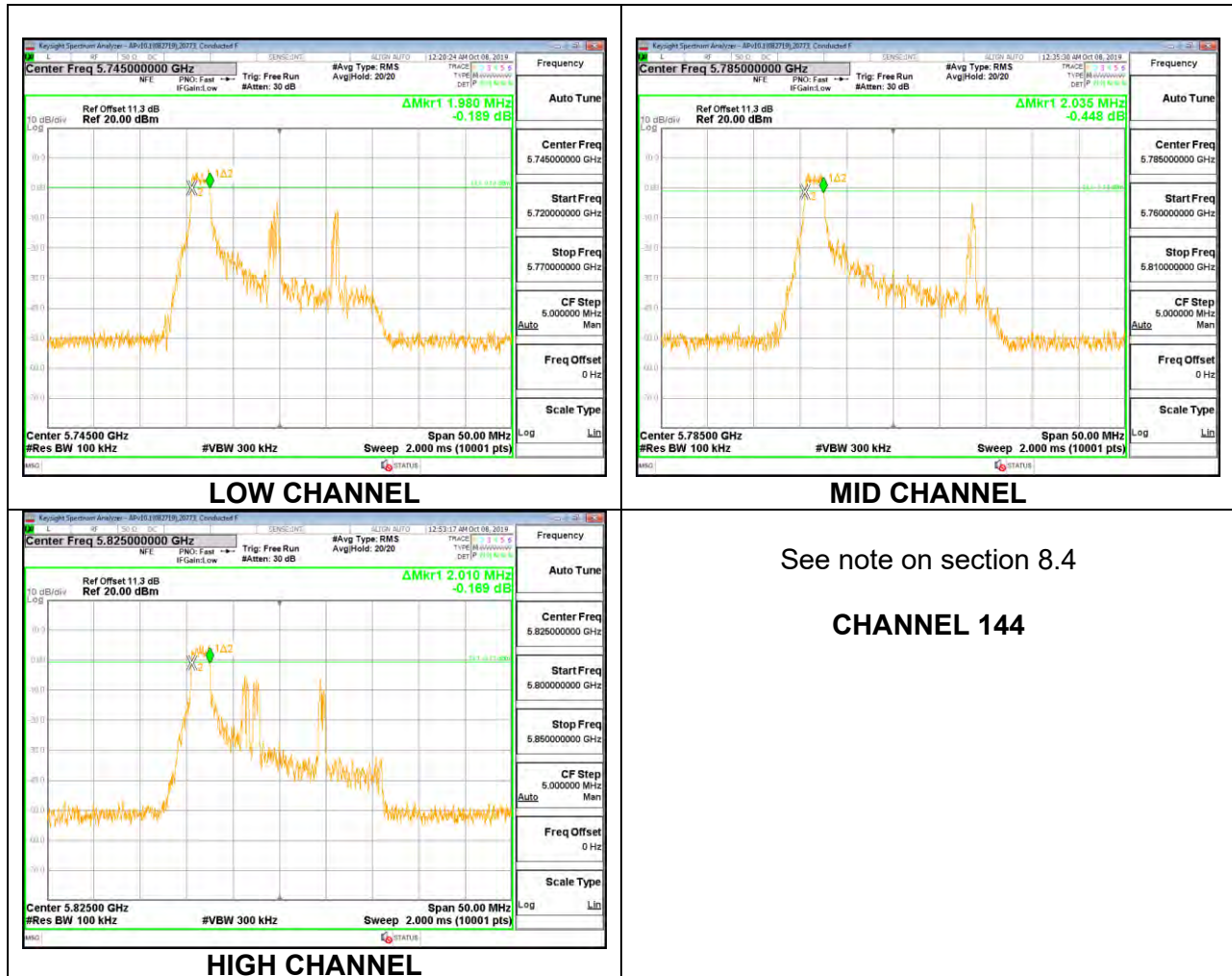
1TX UAT 2 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.910	0.5
Mid	5785	18.680	0.5
High	5825	19.020	0.5
144	5720	4.500	0.5



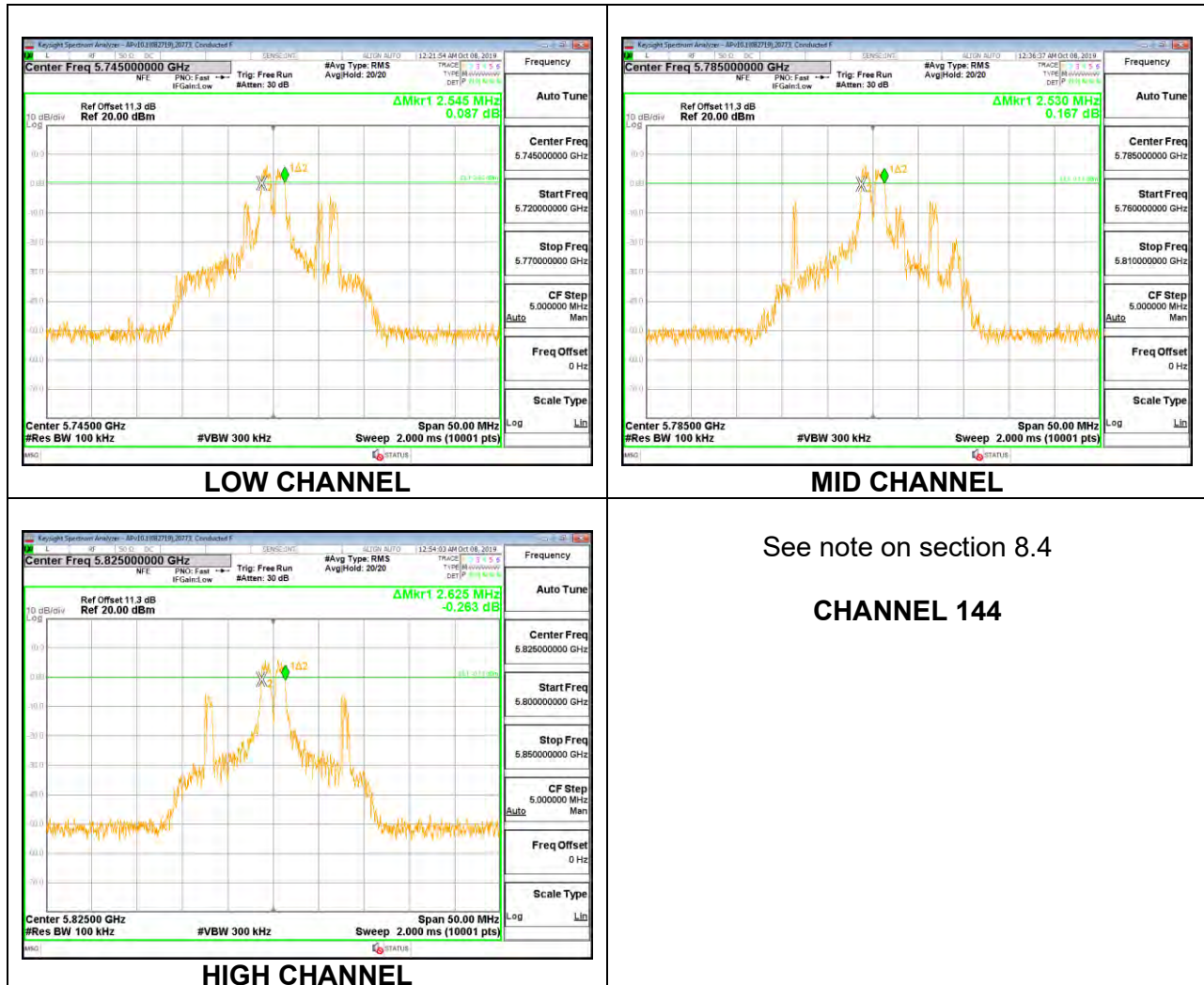
1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	1.980	0.5
Mid	5785	2.035	0.5
High	5825	2.010	0.5



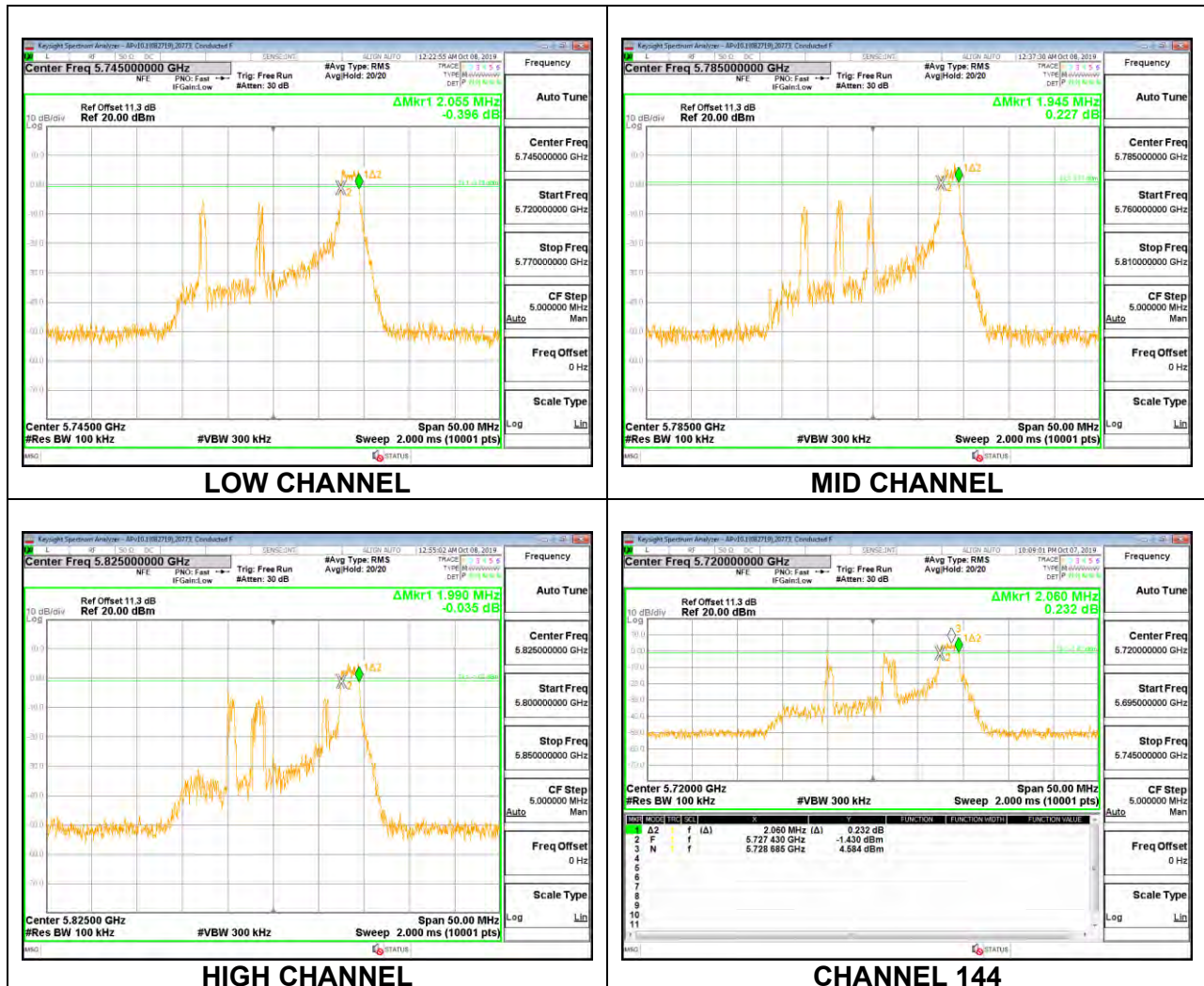
1TX UAT 2 MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.545	0.5
Mid	5785	2.530	0.5
High	5825	2.625	0.5



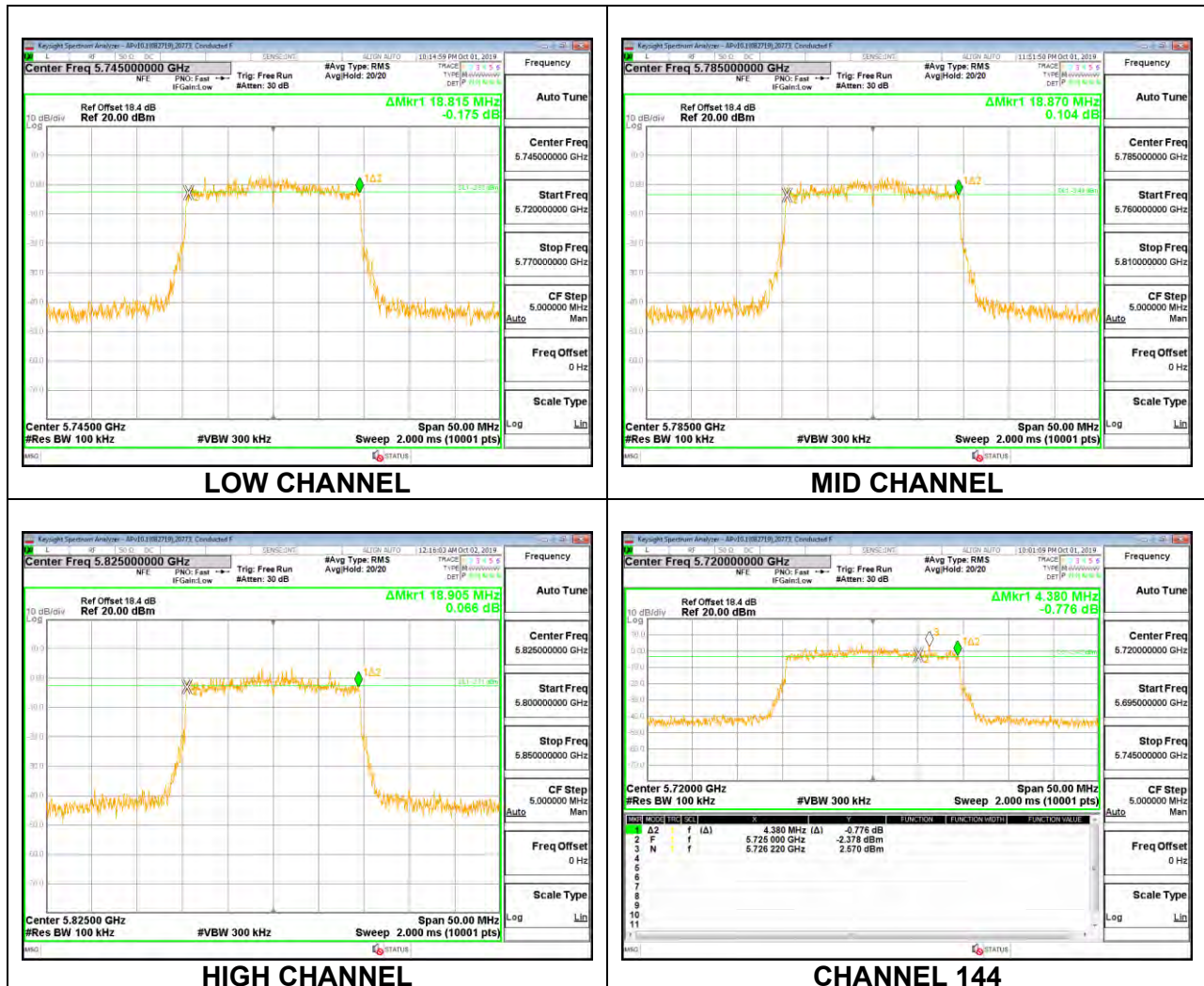
1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.055	0.5
Mid	5785	1.945	0.5
High	5825	1.990	0.5
144	5720	2.060	0.5



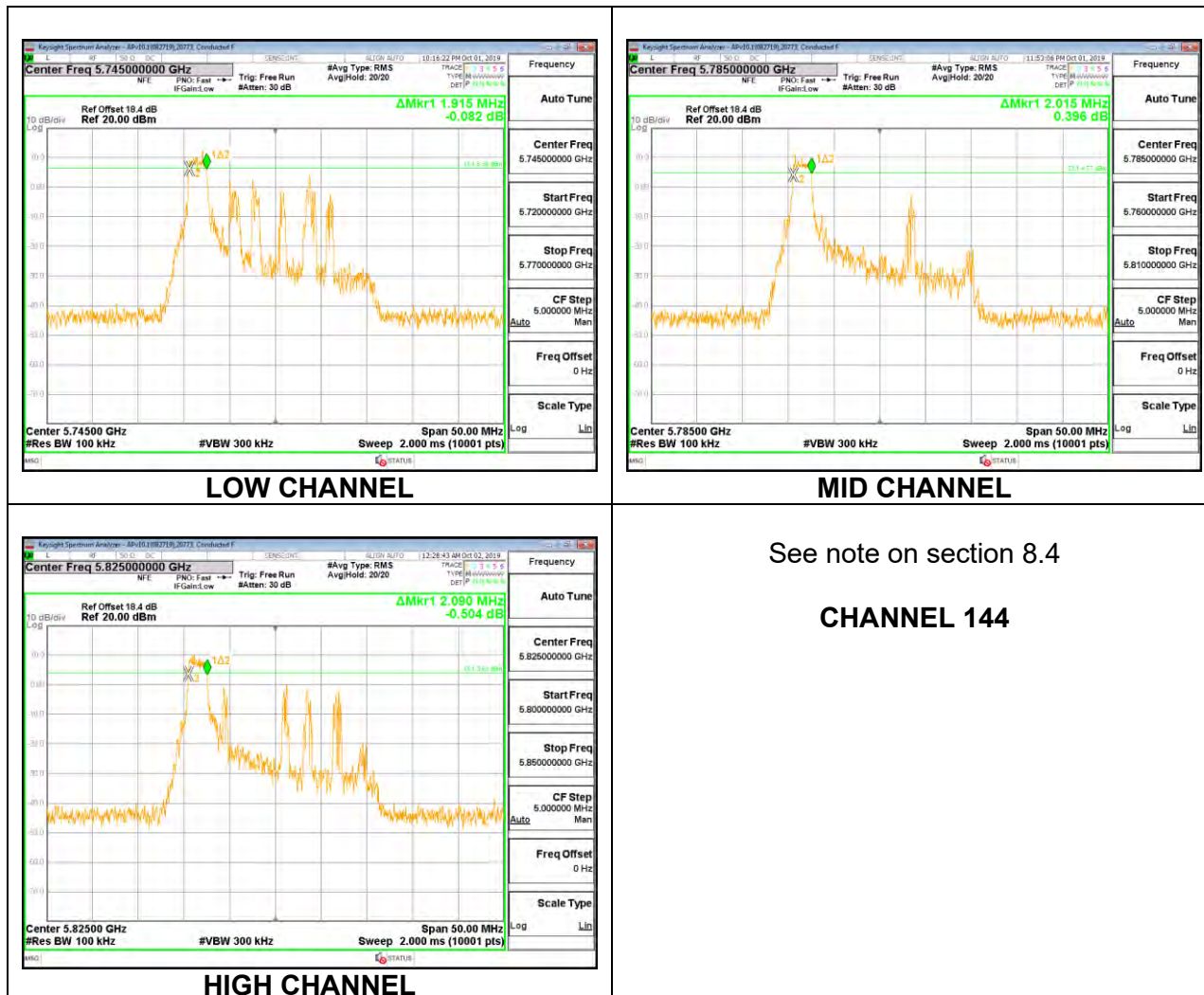
1TX LAT 3 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.815	0.5
Mid	5785	18.870	0.5
High	5825	18.905	0.5
144	5720	4.380	0.5



1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	1.915	0.5
Mid	5785	2.015	0.5
High	5825	2.090	0.5

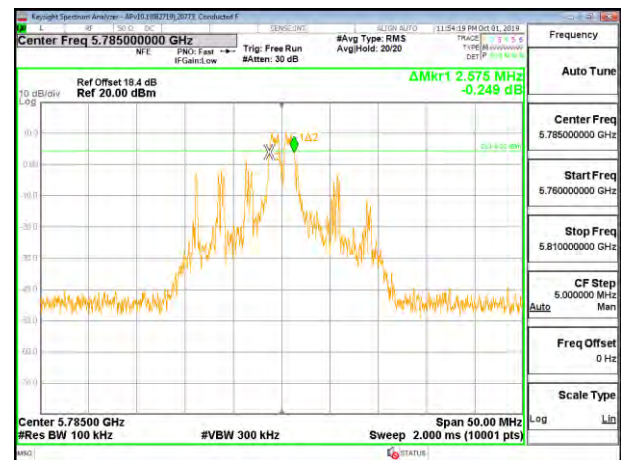


1TX LAT 3 MODE – 26 Tones, RU Index 4

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	2.545	0.5
Mid	5785	2.575	0.5
High	5825	2.575	0.5



LOW CHANNEL



MID CHANNEL



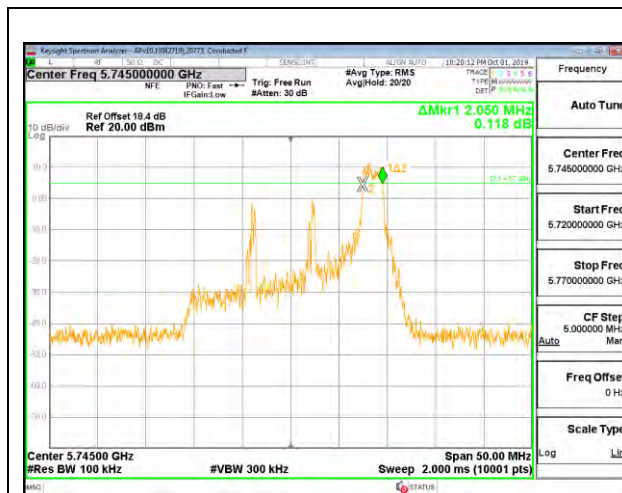
HIGH CHANNEL

See note on section 8.4

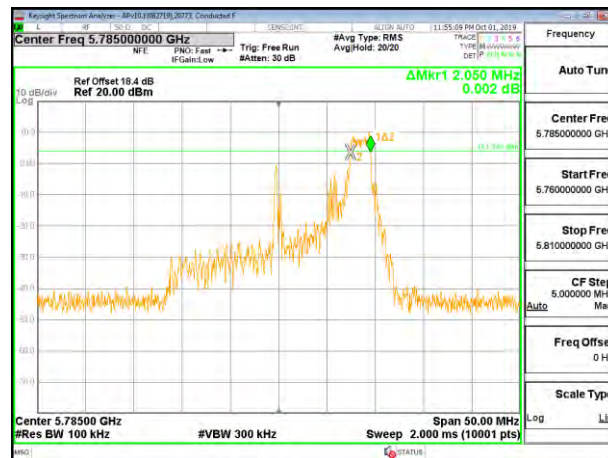
CHANNEL 144

1TX LAT 3 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.050	0.5
Mid	5785	2.050	0.5
High	5825	2.065	0.5
144	5720	2.000	0.5



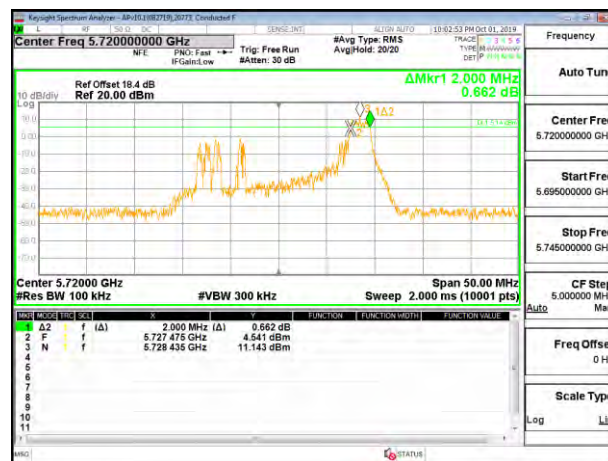
LOW CHANNEL



MID CHANNEL



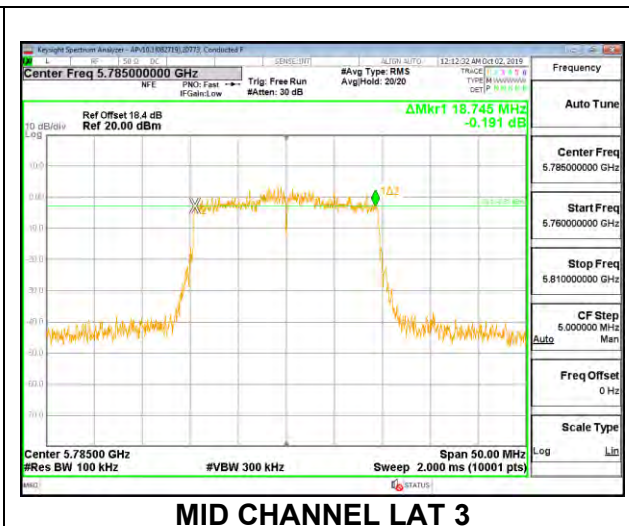
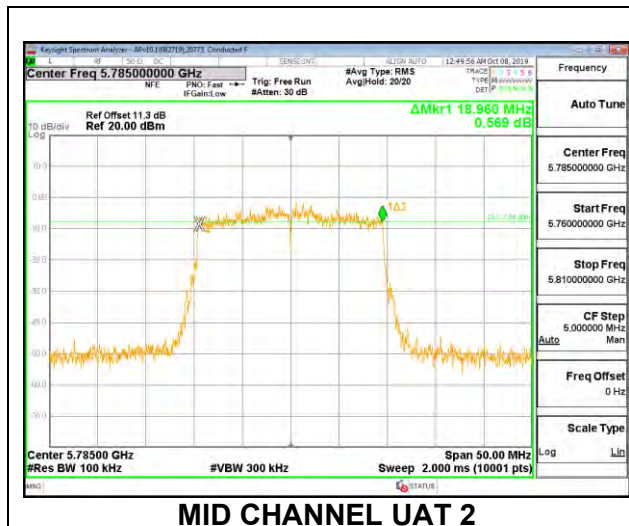
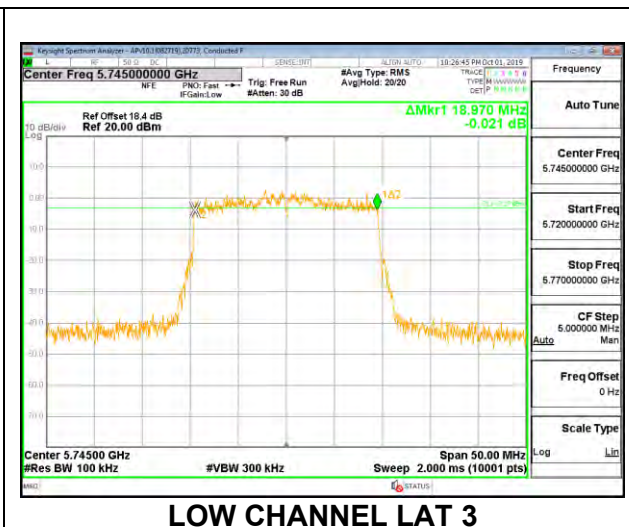
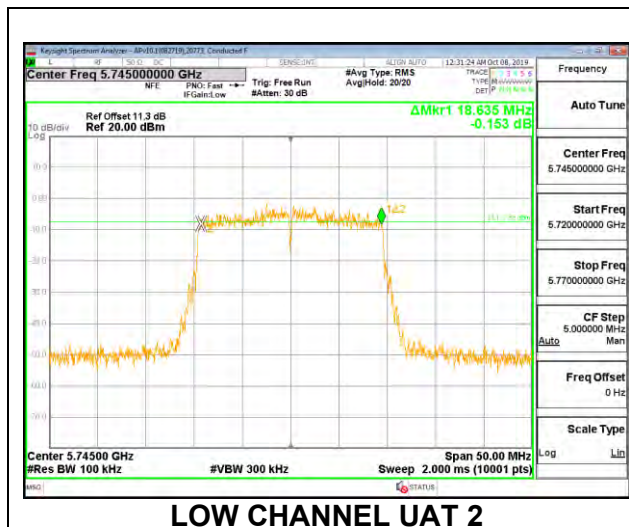
HIGH CHANNEL

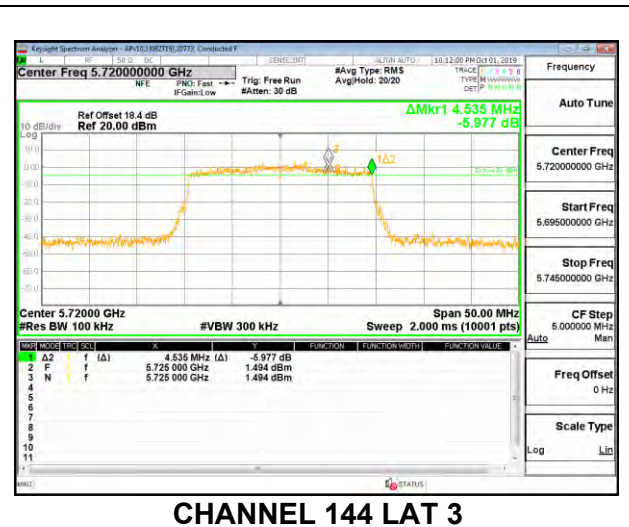
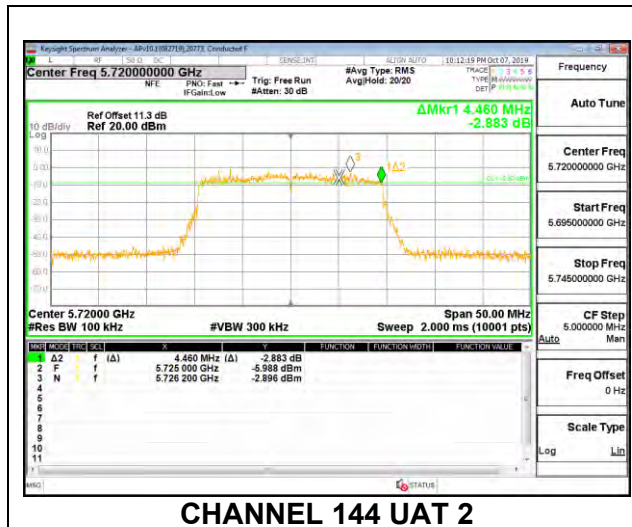
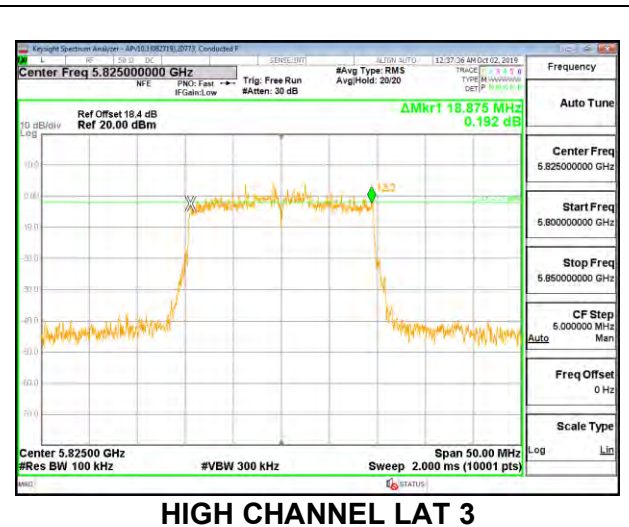
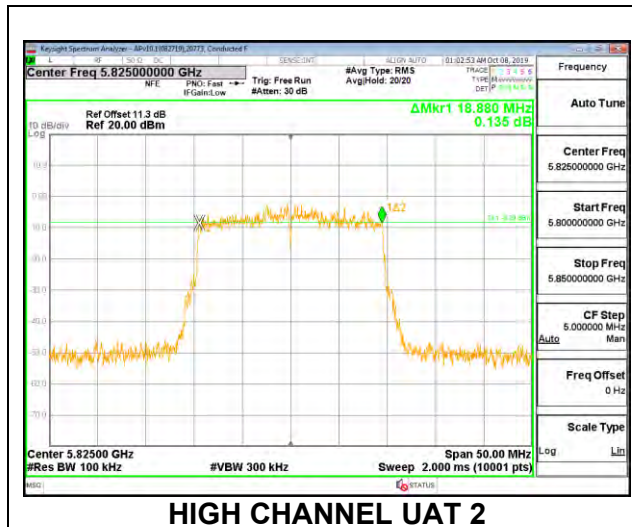


CHANNEL 144

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

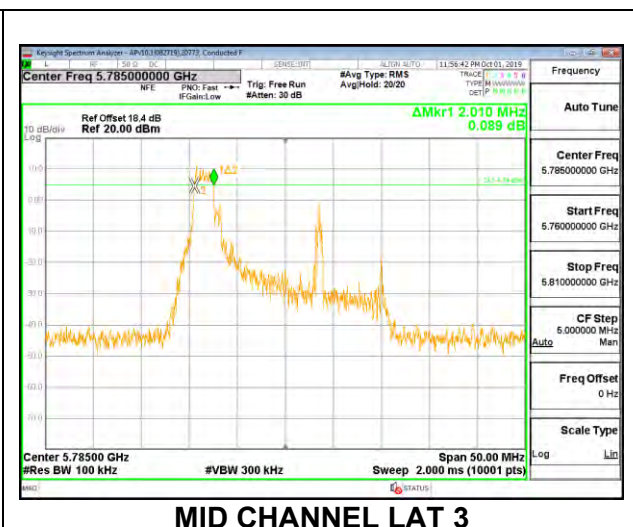
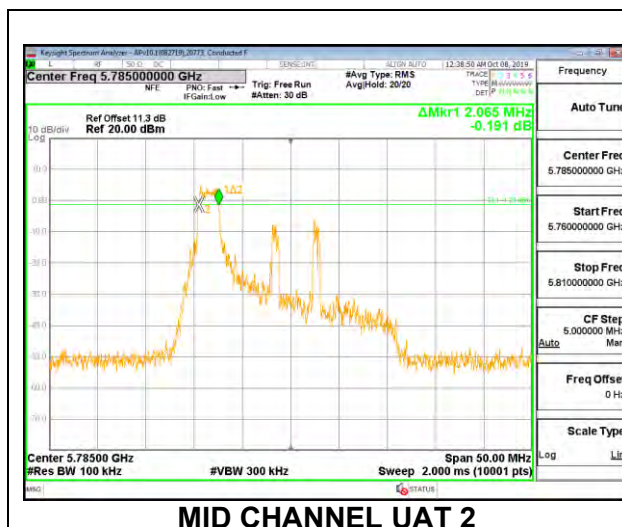
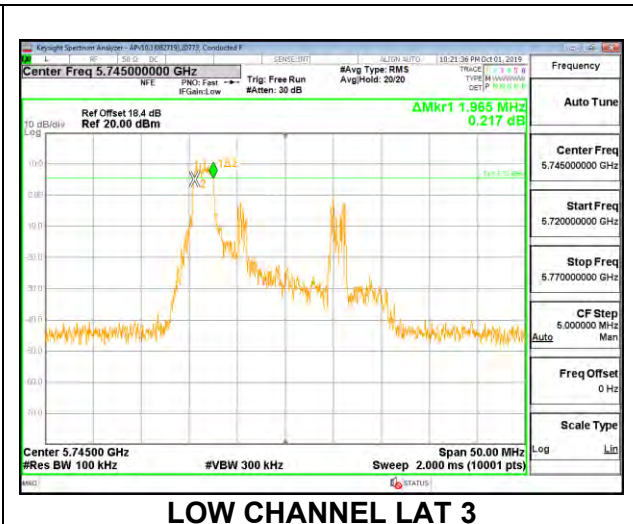
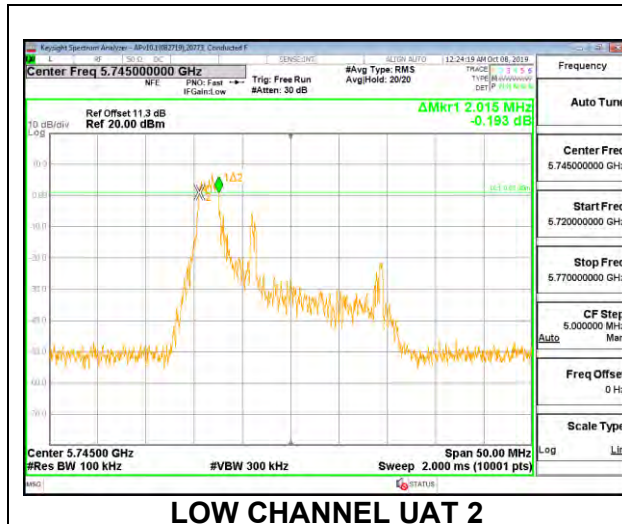
Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	18.635	18.970	0.5
Mid	5785	18.960	18.745	0.5
High	5825	18.880	18.875	0.5
144	5720	4.460	4.535	0.5

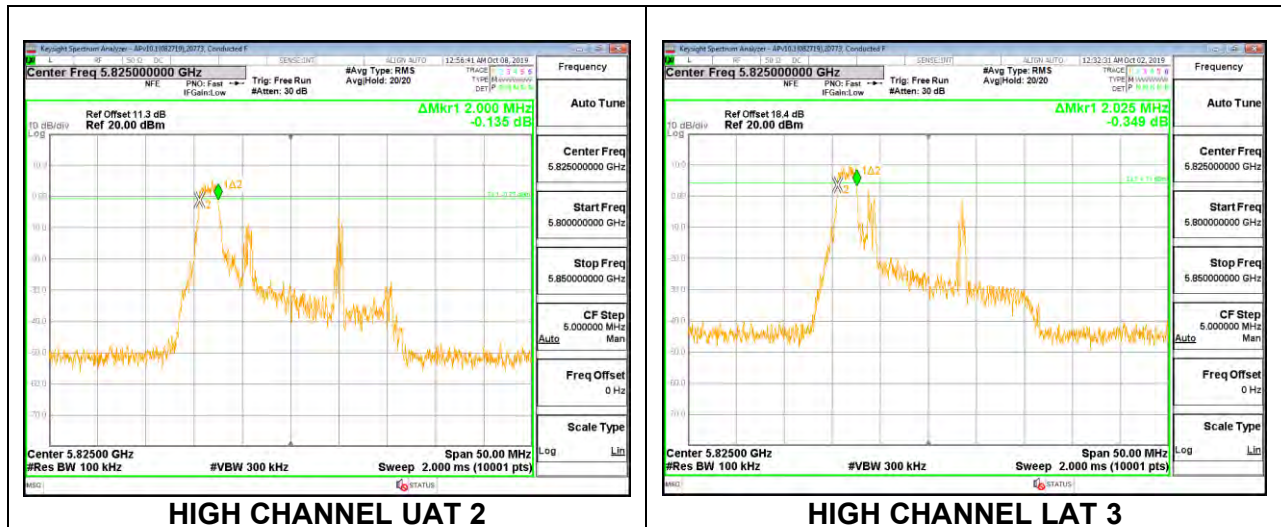




2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.015	1.965	0.5
Mid	5785	2.065	2.010	0.5
High	5825	2.000	2.025	0.5





See note on section 8.4

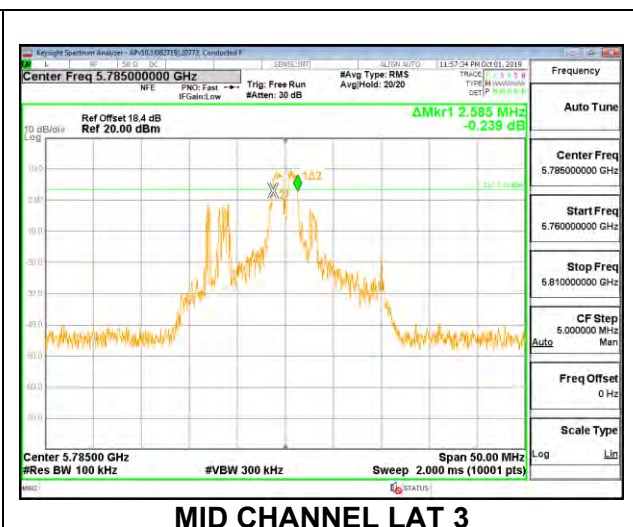
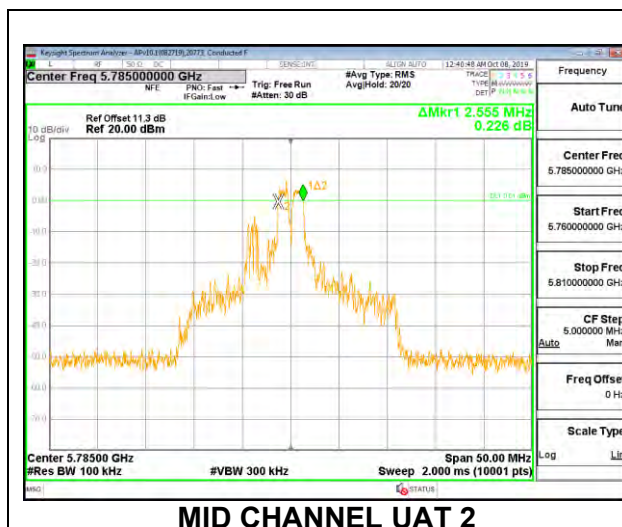
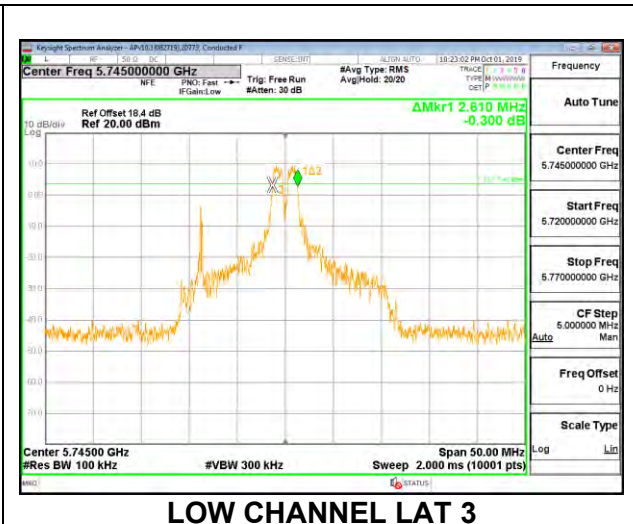
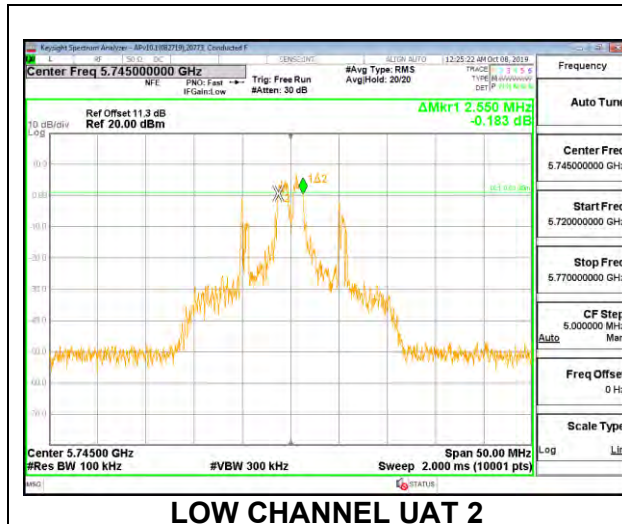
CHANNEL 144 UAT 2

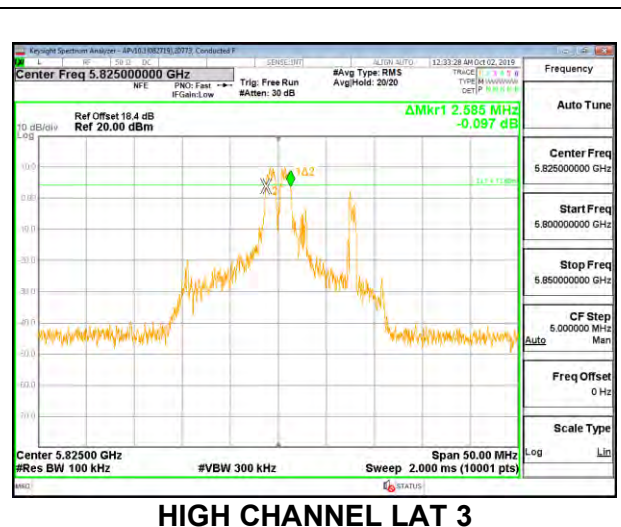
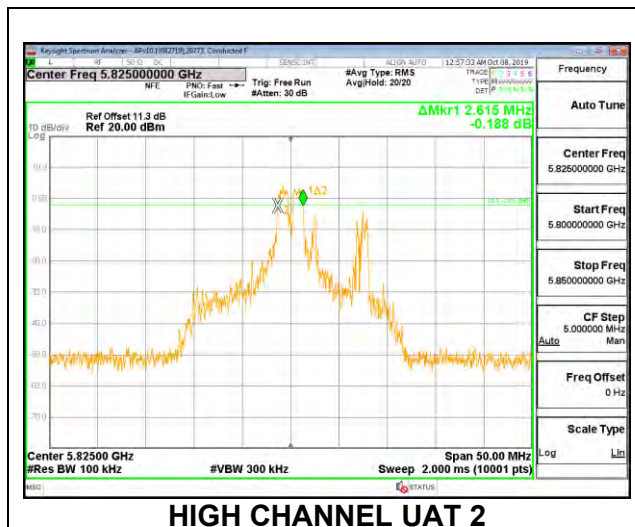
See note on section 8.4

CHANNEL 144 LAT 3

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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.550	2.610	0.5
Mid	5785	2.555	2.585	0.5
High	5825	2.615	2.585	0.5





See note on section 8.4

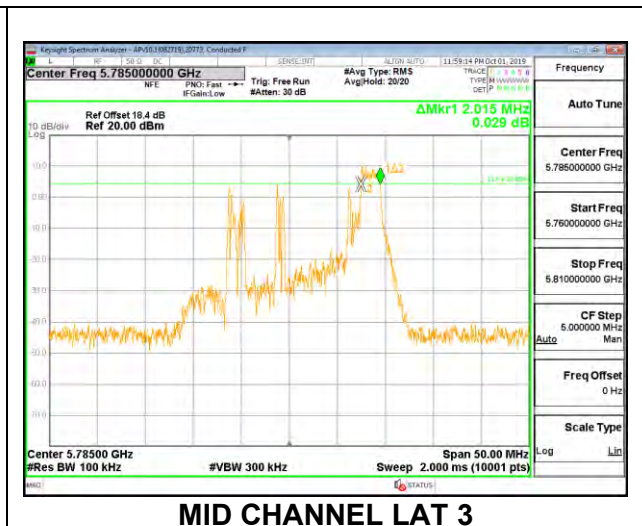
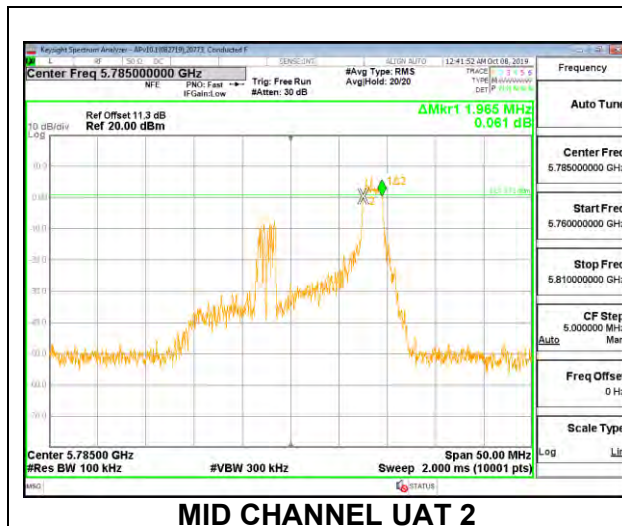
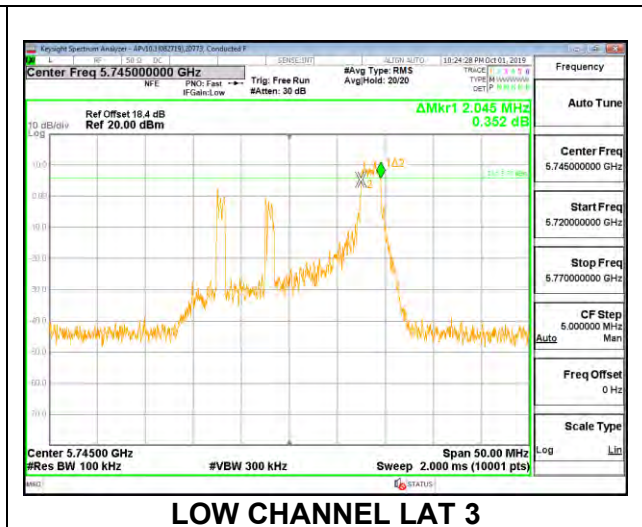
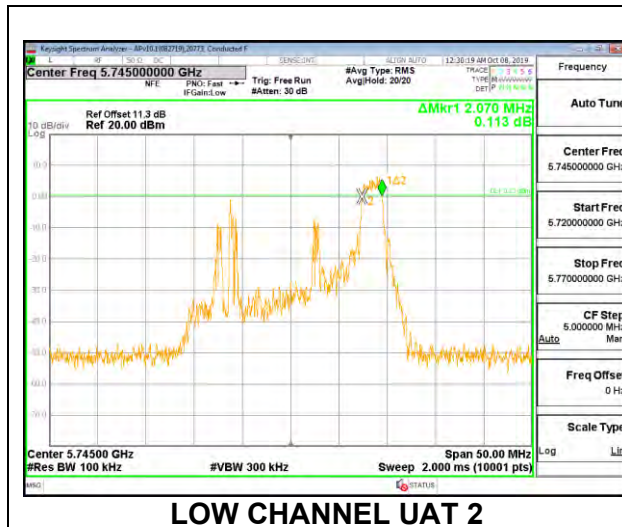
See note on section 8.4

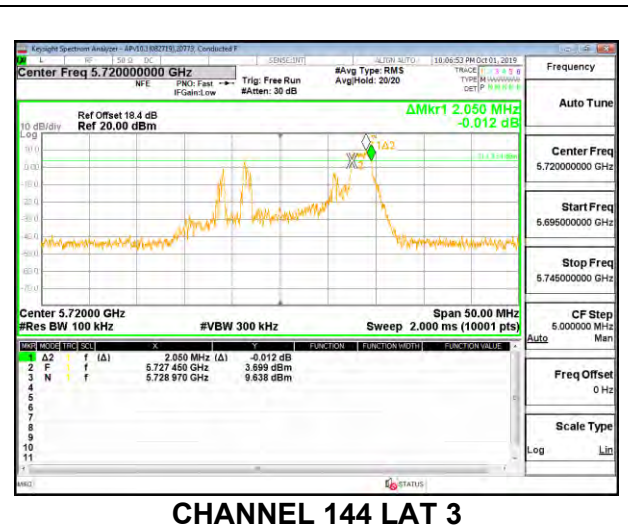
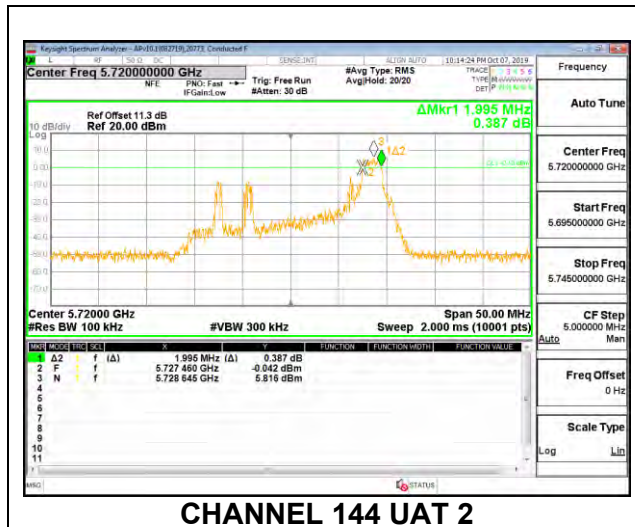
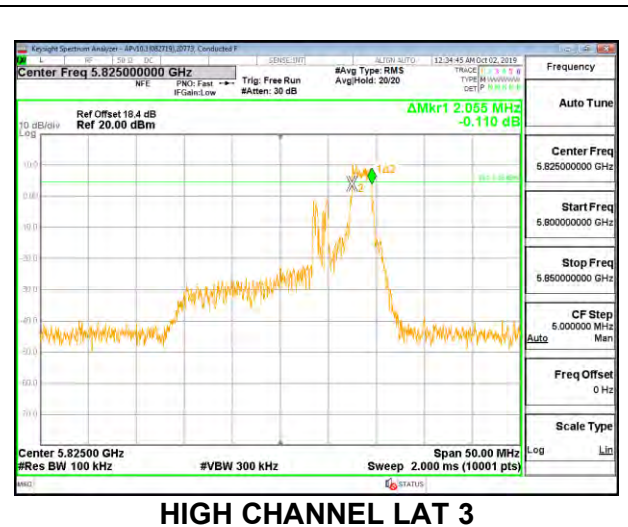
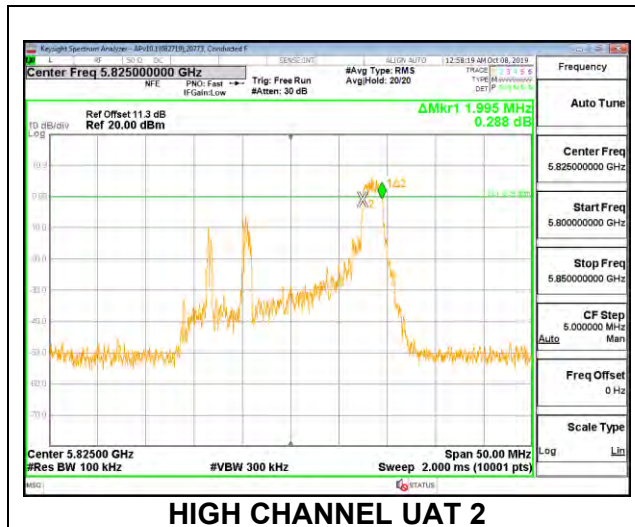
CHANNEL 144 UAT 2

CHANNEL 144 LAT 3

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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.070	2.045	0.5
Mid	5785	1.965	2.015	0.5
High	5825	1.995	2.055	0.5
144	5720	1.995	2.050	0.5

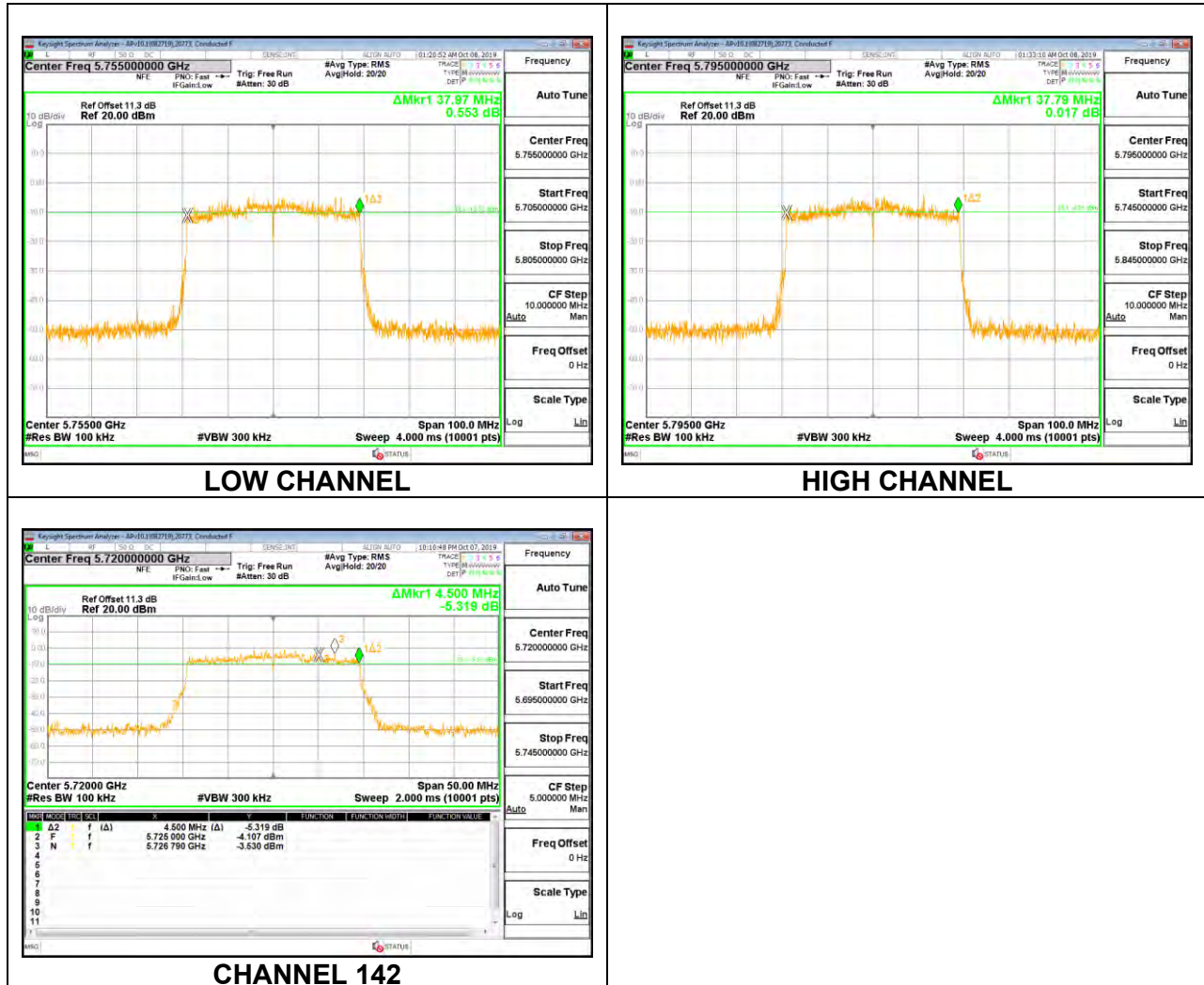




8.4.5. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

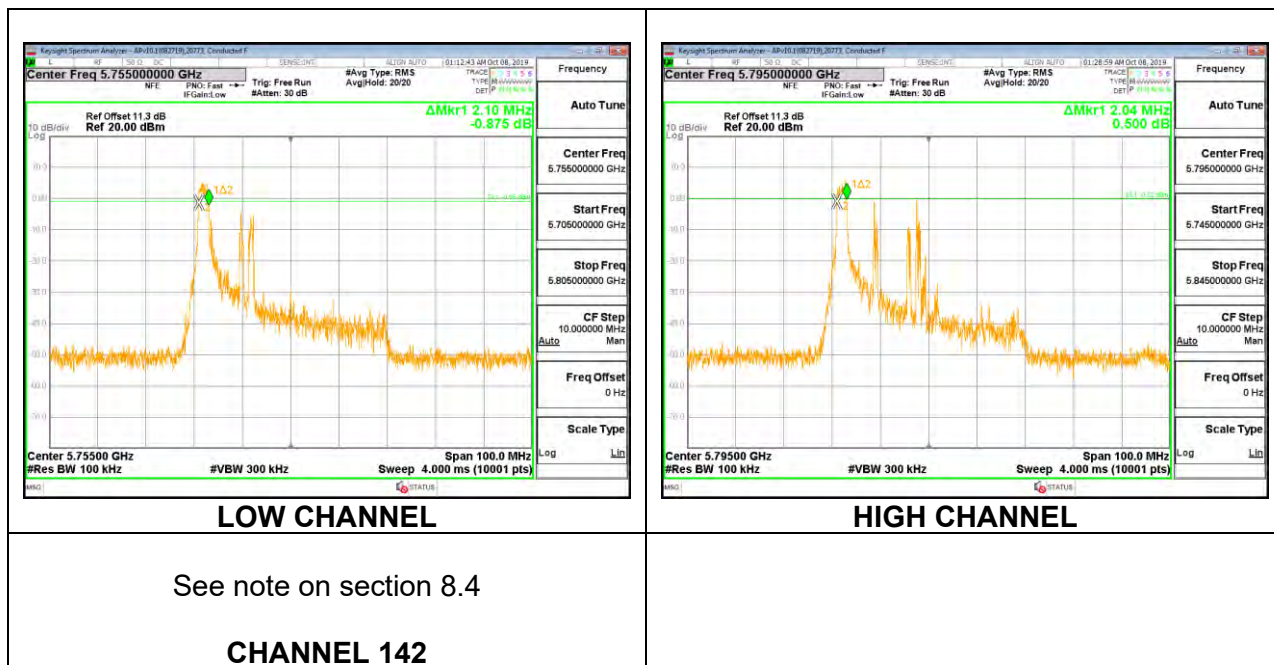
1TX UAT 2 MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	37.970	0.5
High	5795	37.790	0.5
142	5710	4.500	0.5



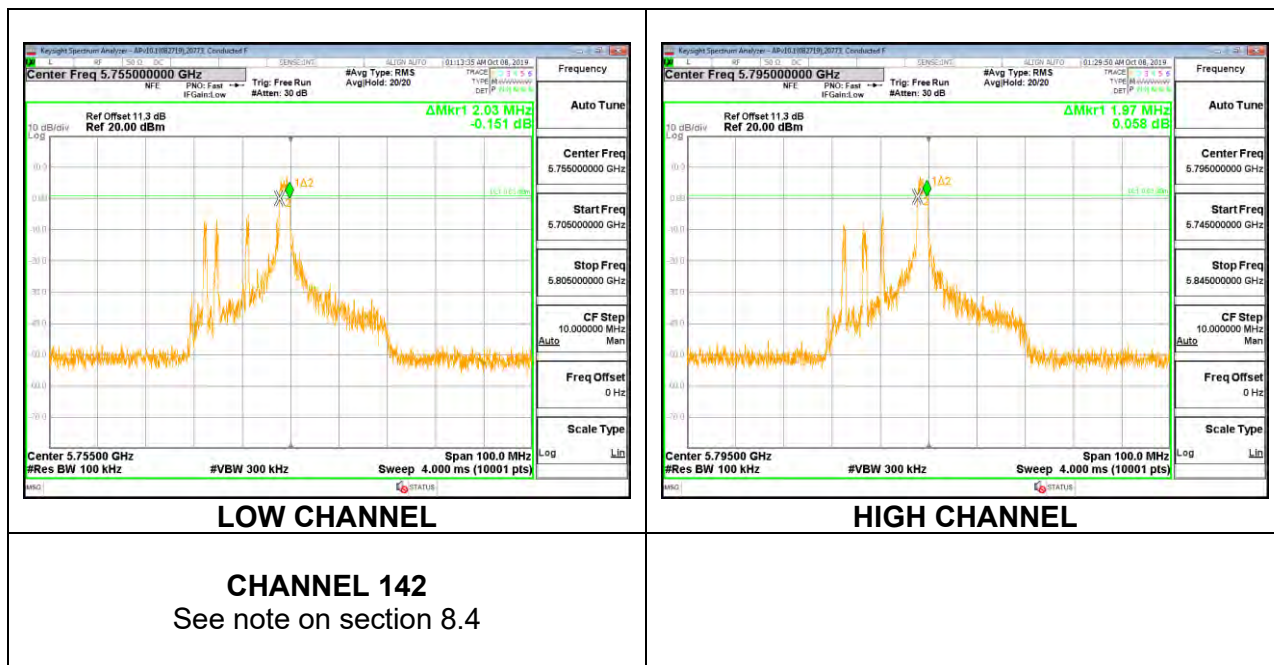
1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.100	0.5
High	5795	2.040	0.5



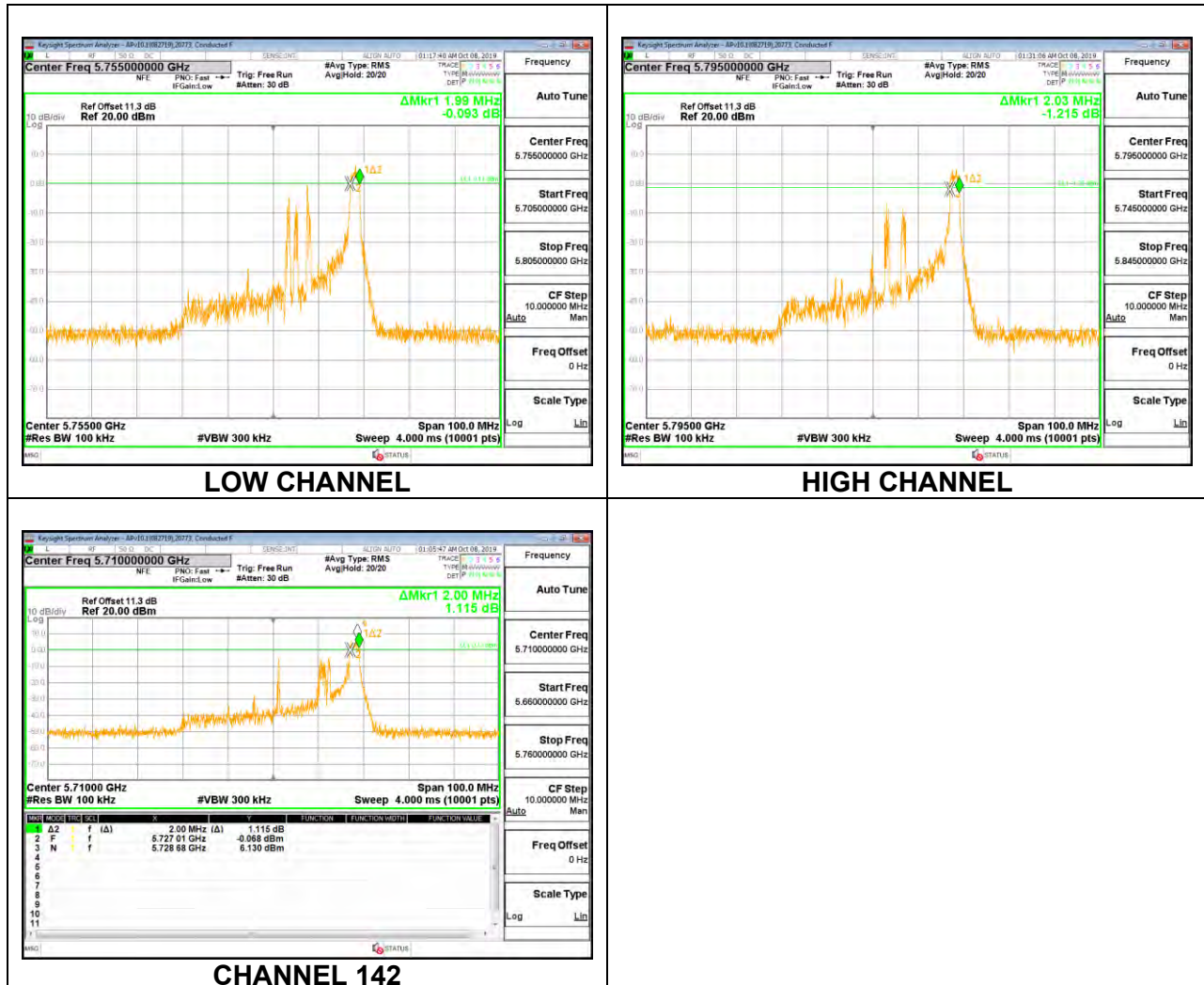
1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.030	0.5
High	5795	1.970	0.5



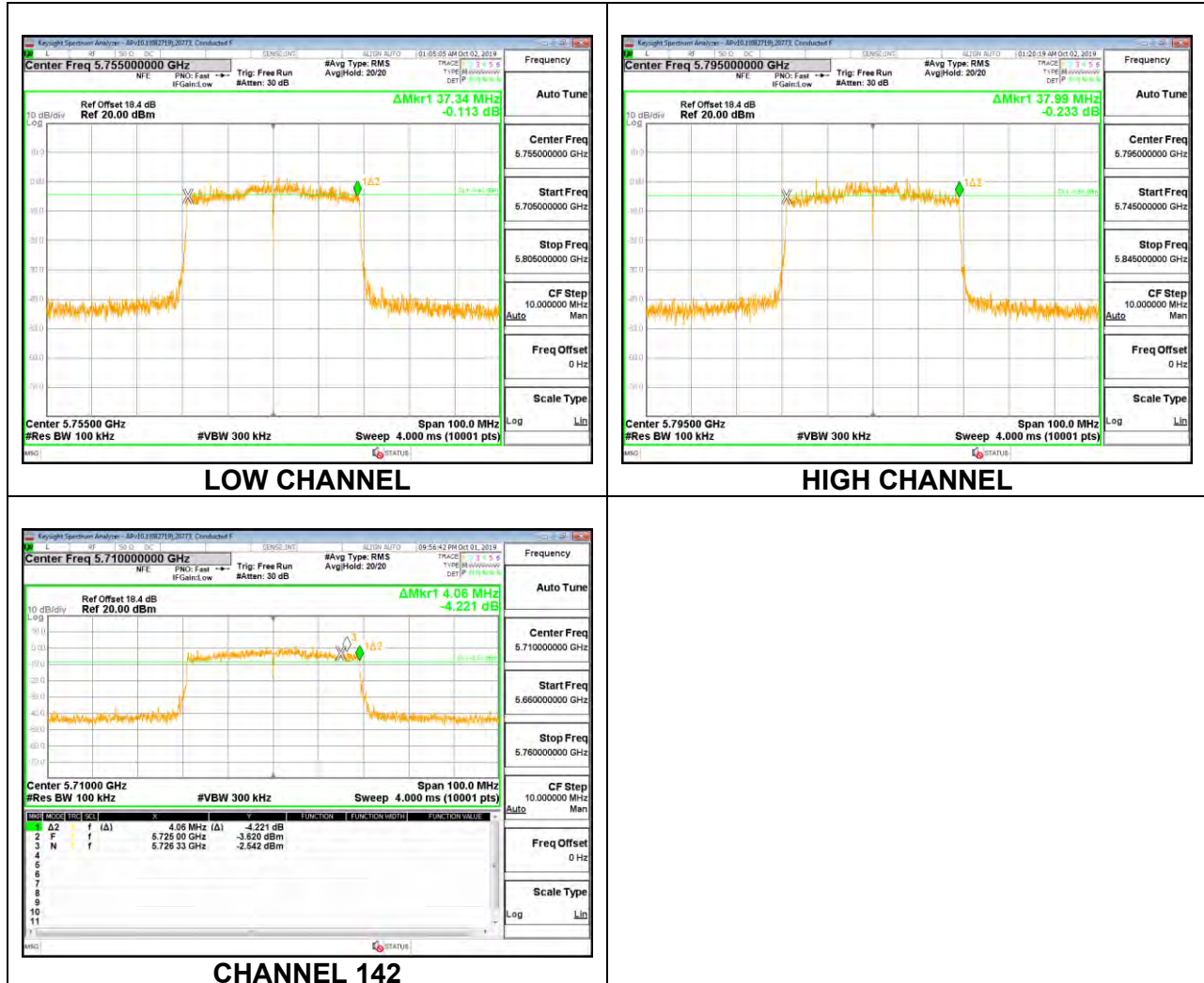
1TX UAT 2 MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	1.990	0.5
High	5795	2.030	0.5
142	5710	2.000	0.5



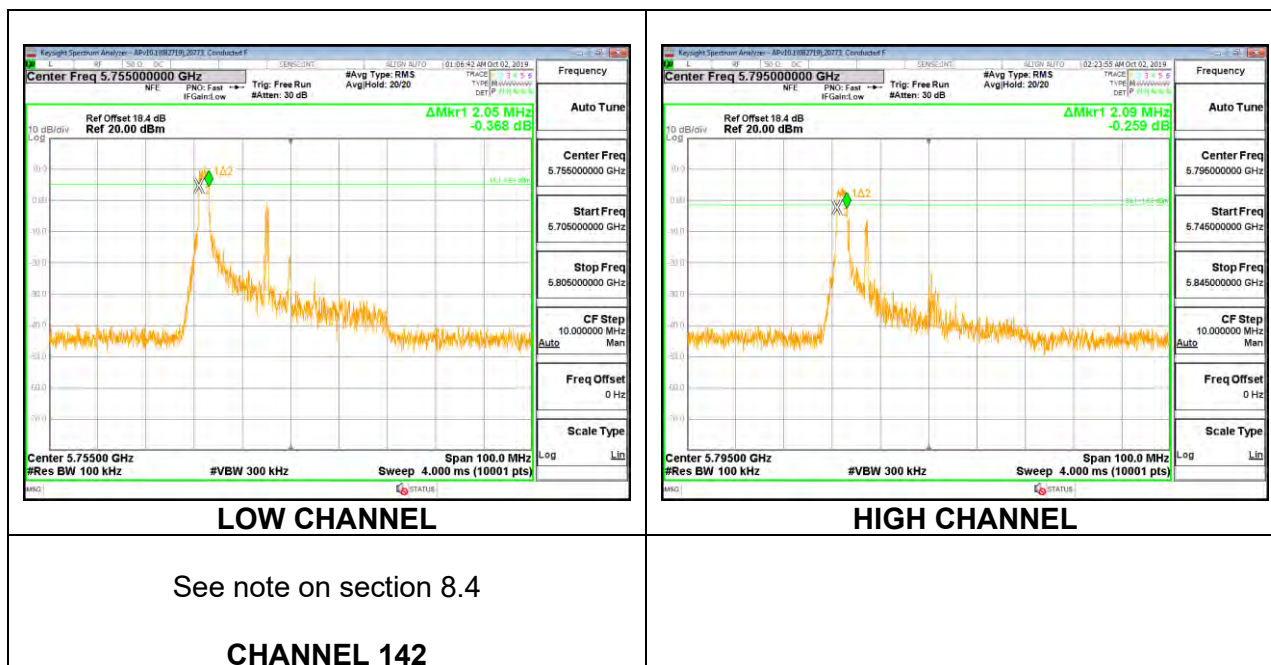
1TX LAT 3 MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	37.340	0.5
High	5795	37.990	0.5
142	5710	4.060	0.5



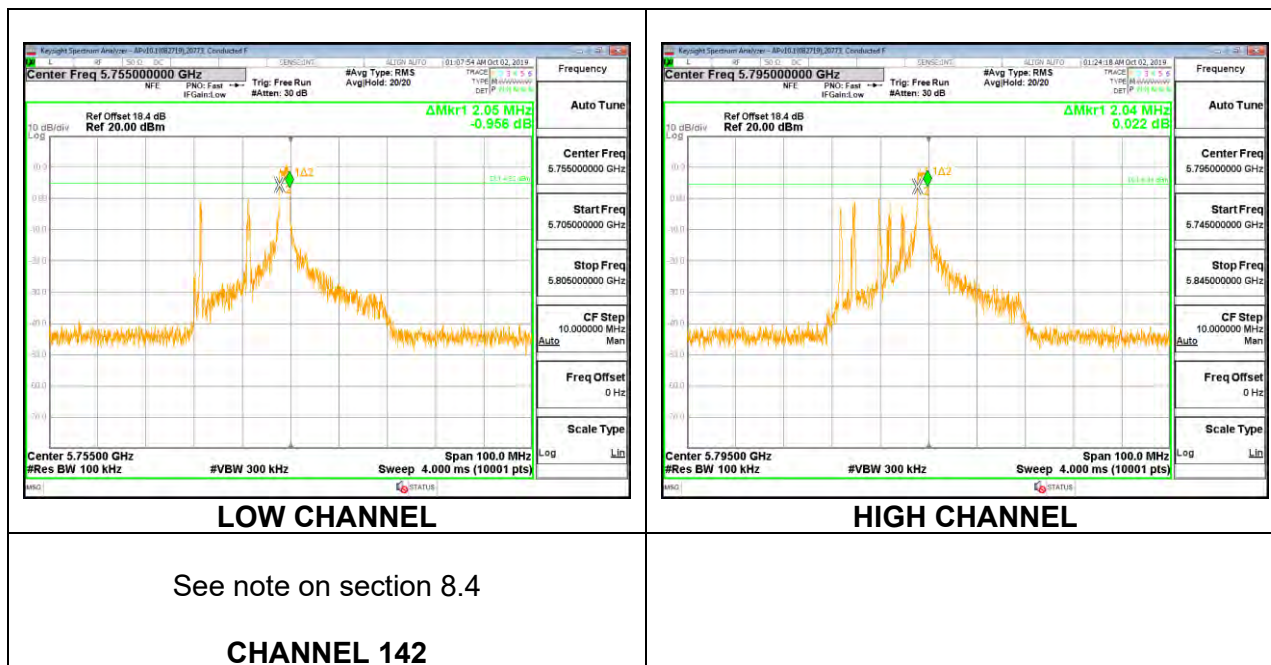
1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.050	0.5
High	5795	2.090	0.5



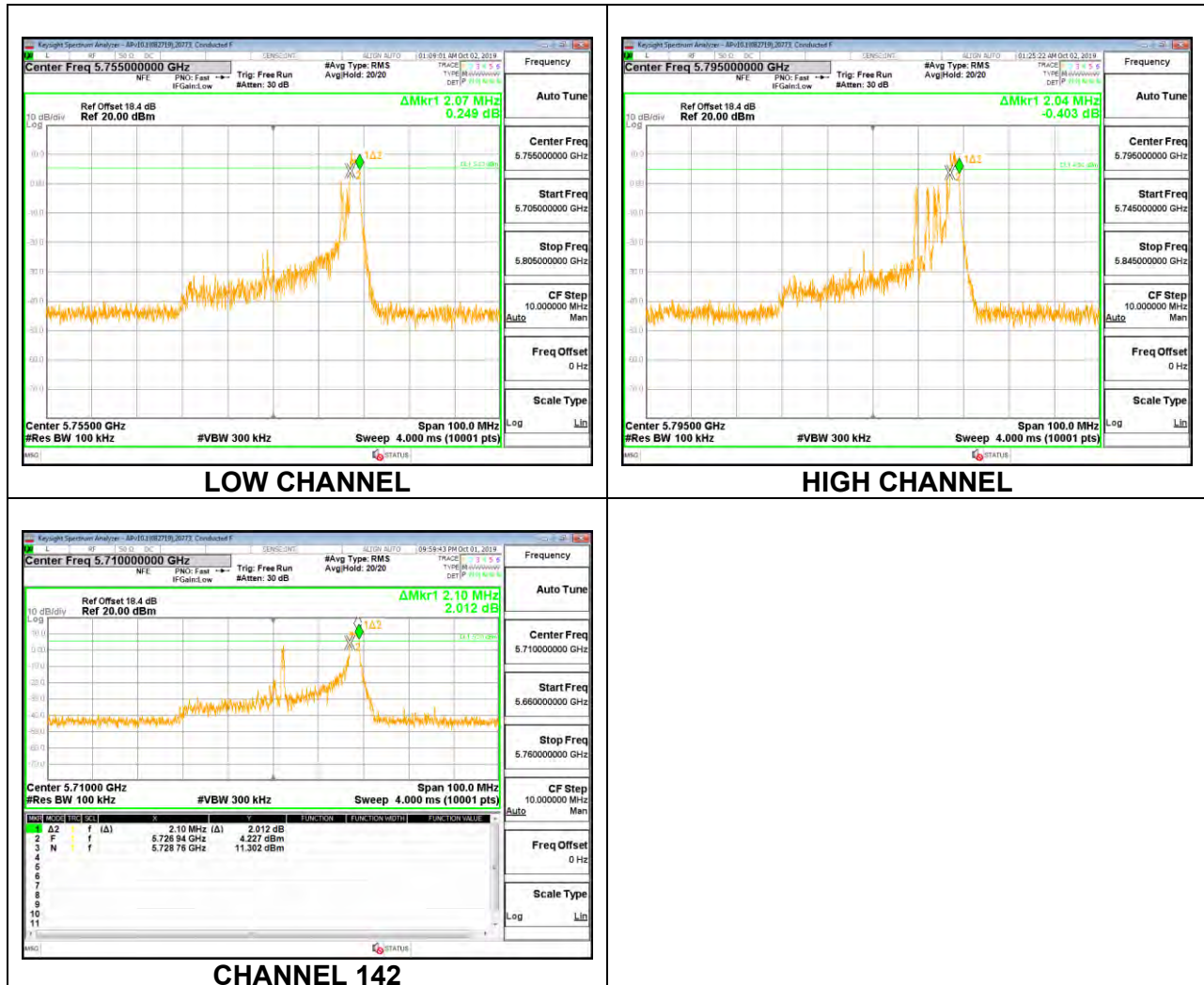
1TX LAT 3 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.050	0.5
High	5795	2.040	0.5



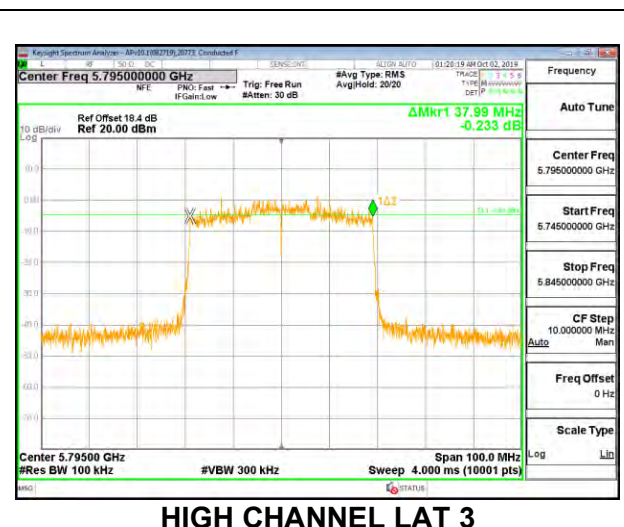
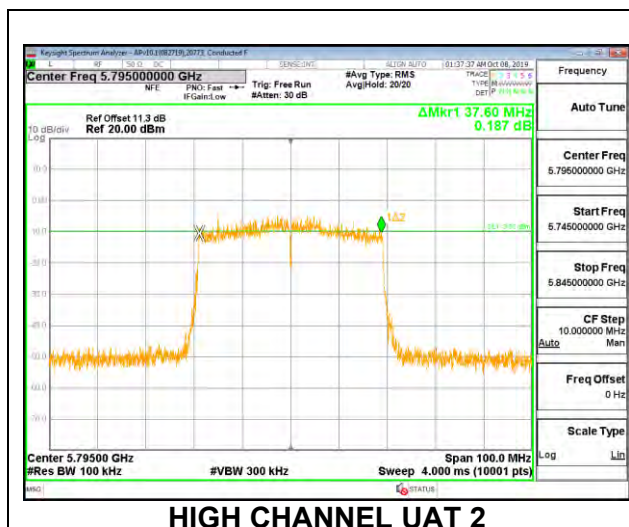
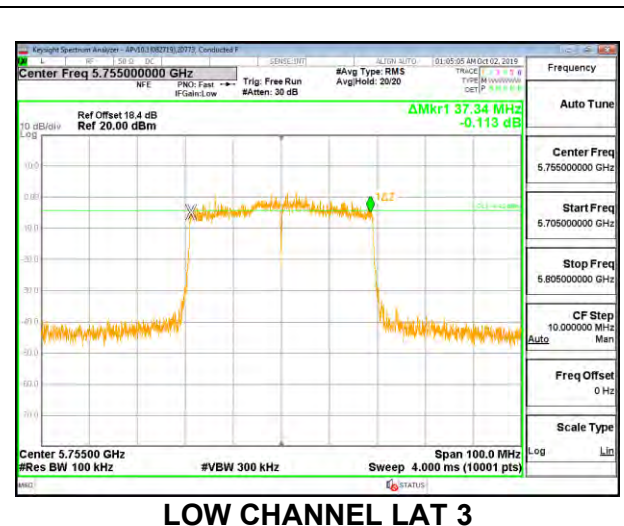
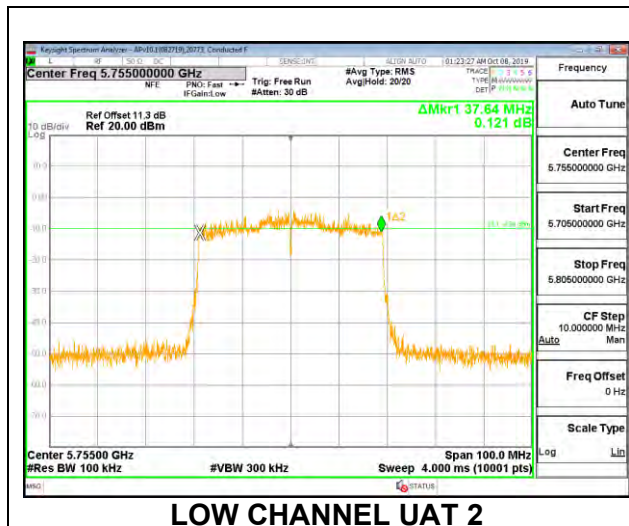
1TX LAT 3 MODE – 26 Tones, RU Index 17

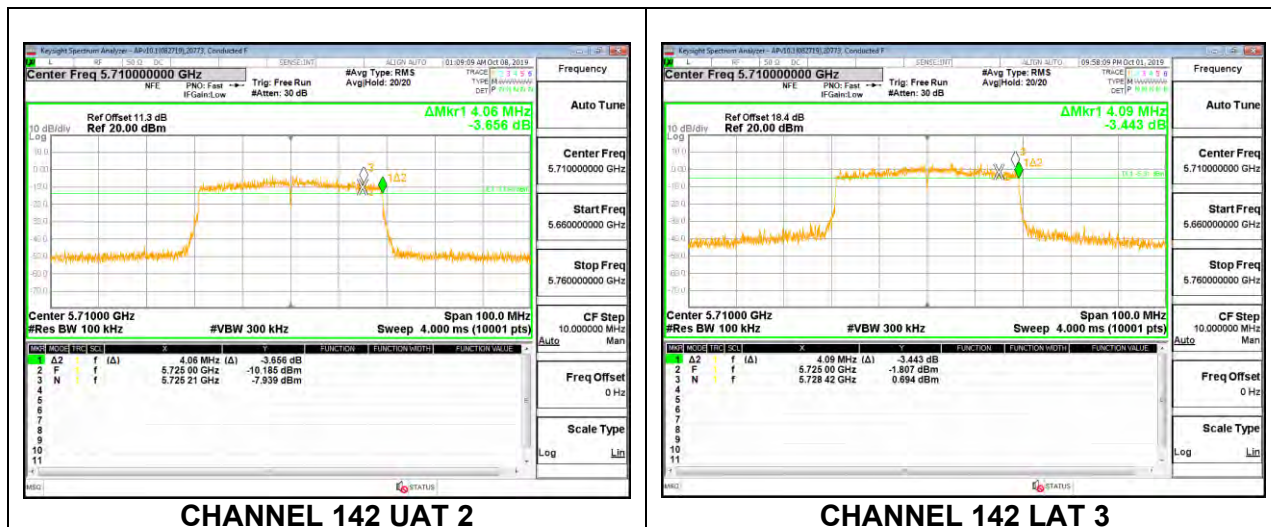
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.07	0.5
High	5795	2.04	0.5
142	5710	2.10	0.5



2TX UAT 2 + LAT 3 OFDMA MODE – 484 Tones, RU Index 65

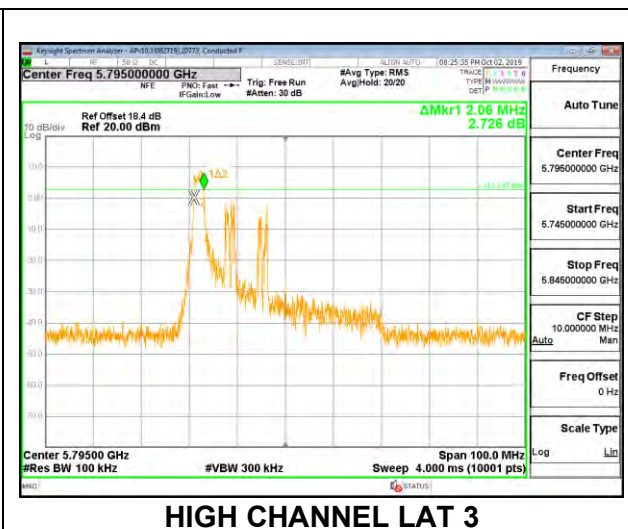
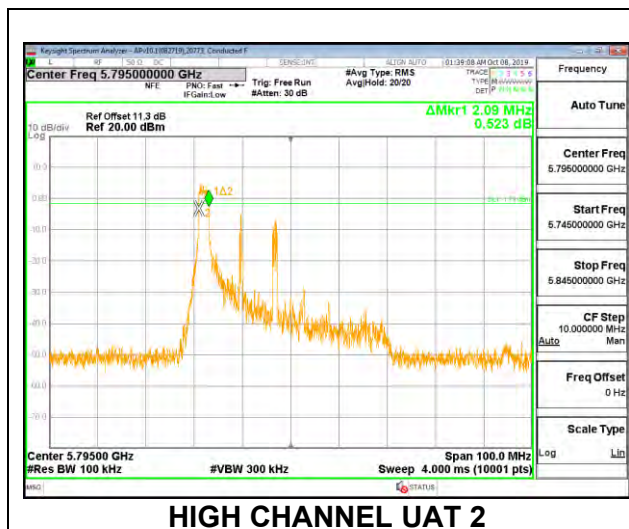
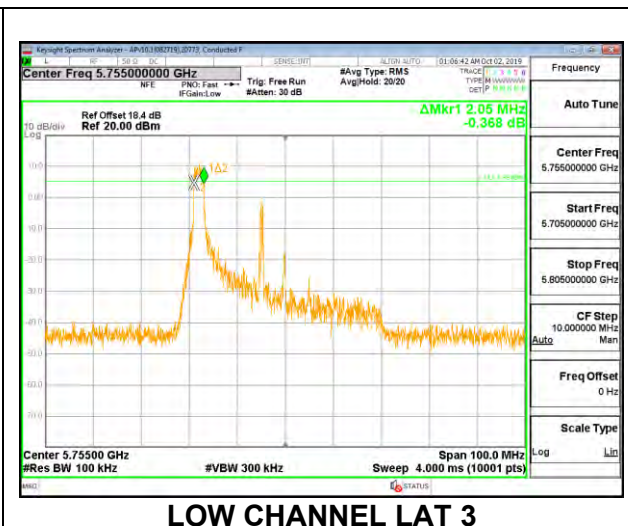
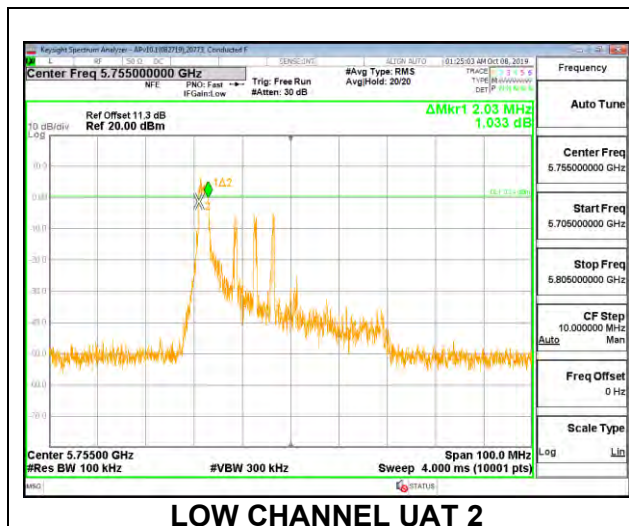
Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5755	37.640	37.340	0.5
High	5795	37.600	37.990	0.5
142	5710	4.060	4.090	0.5





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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5755	2.030	2.050	0.5
High	5795	2.090	2.060	0.5



See note on section 8.4

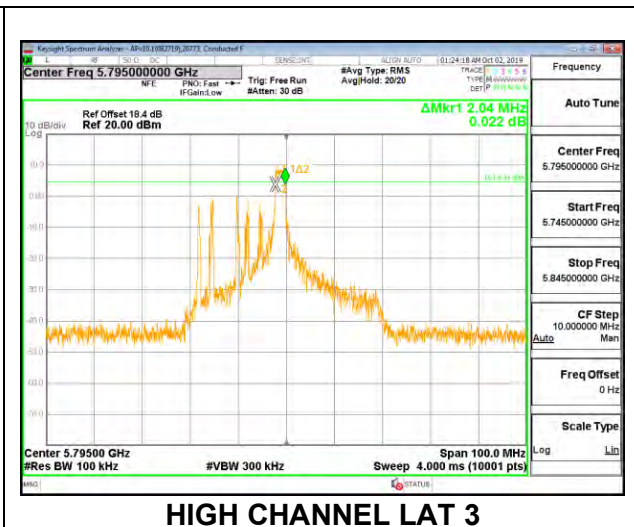
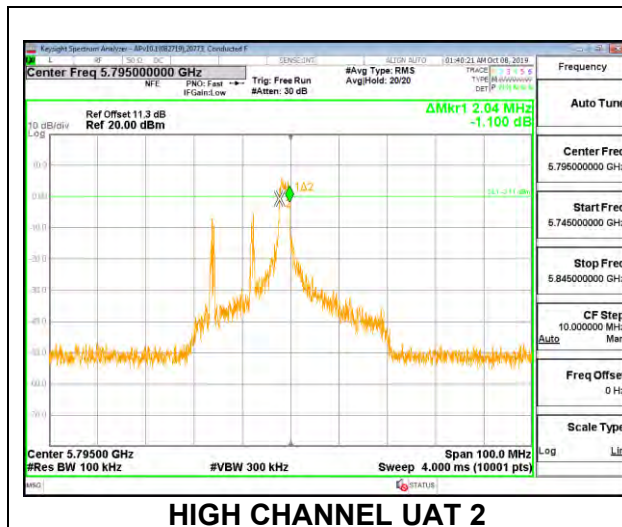
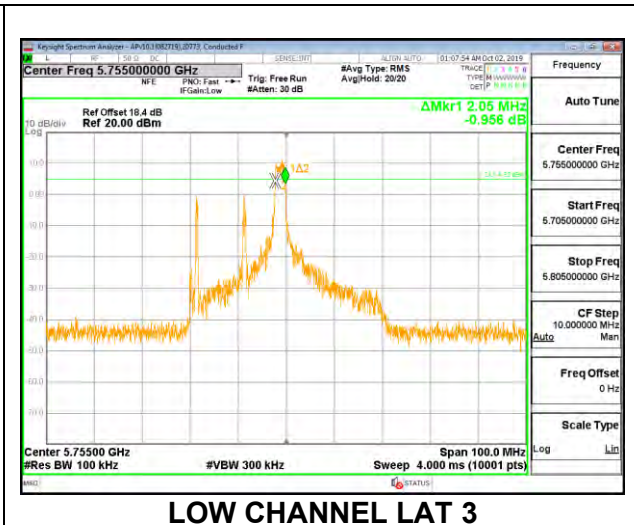
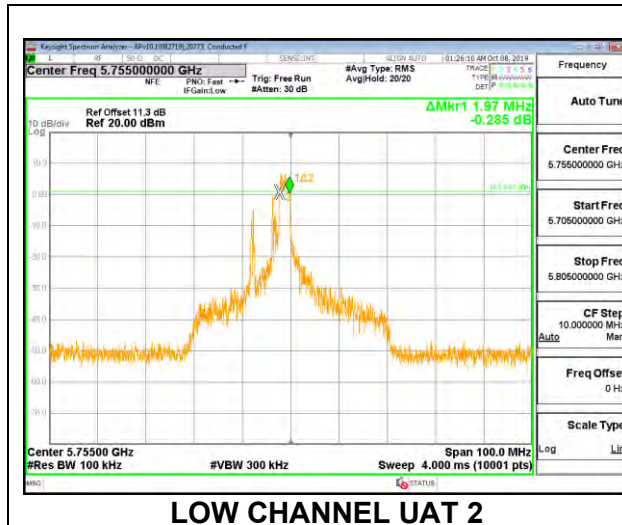
CHANNEL 142 UAT 2

See note on section 8.4

CHANNEL 142 LAT 3

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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5755	1.97	2.05	0.5
High	5795	2.04	2.04	0.5



See note on section 8.4

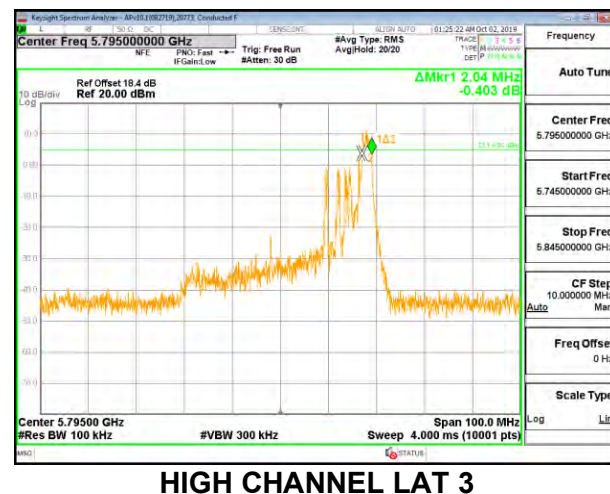
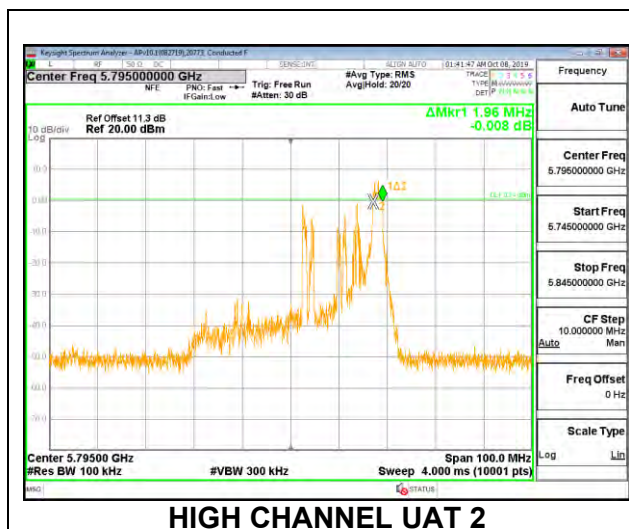
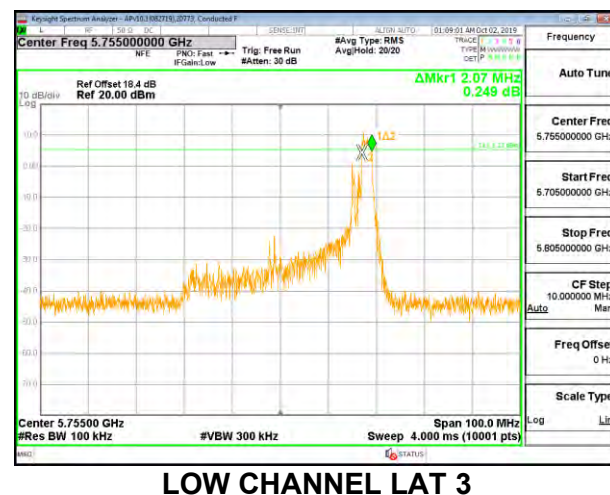
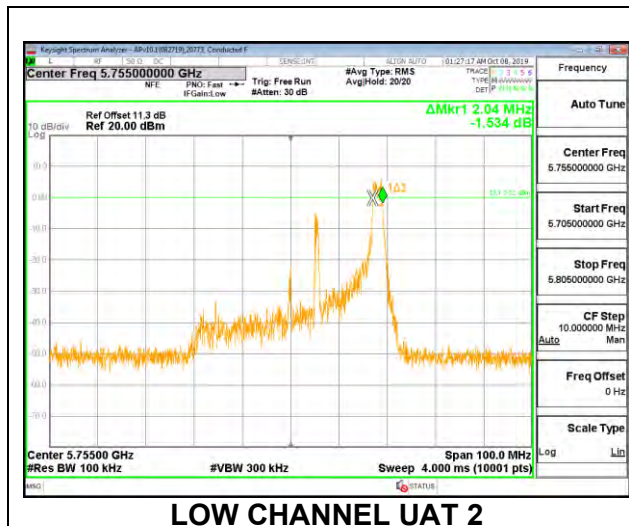
CHANNEL 142 UAT 2

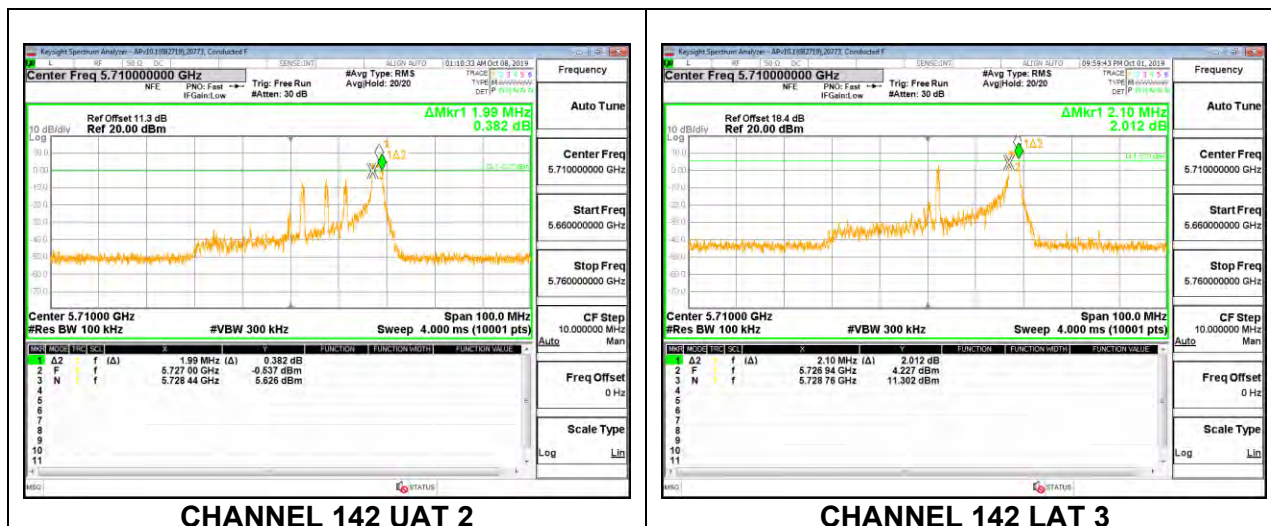
See note on section 8.4

CHANNEL 142 LAT 3

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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5755	2.040	2.070	0.5
High	5795	1.960	2.040	0.5
142	5710	1.990	2.100	0.5

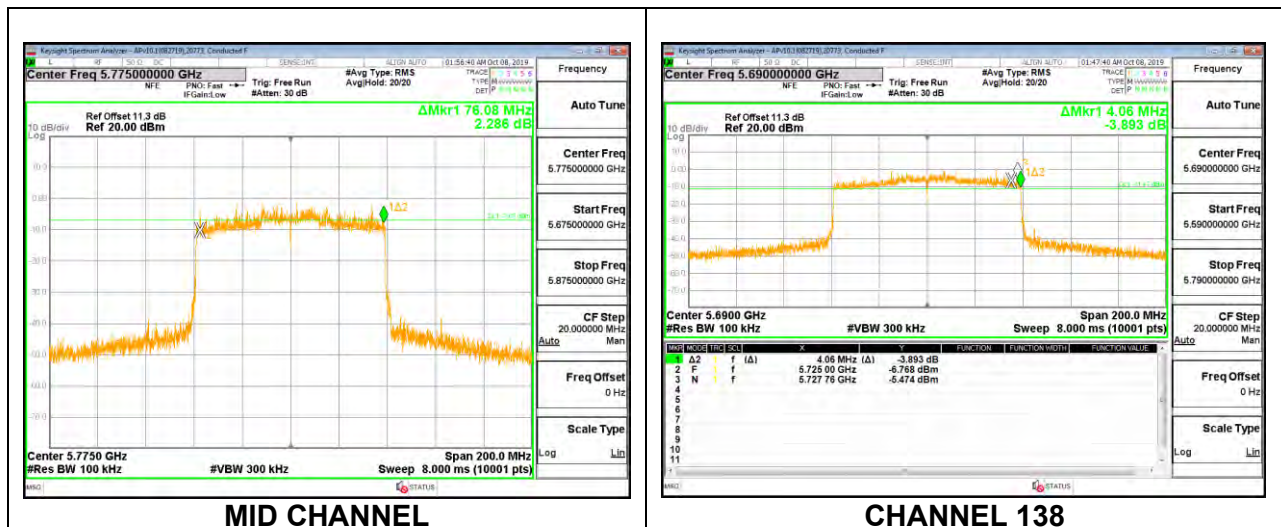




8.4.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

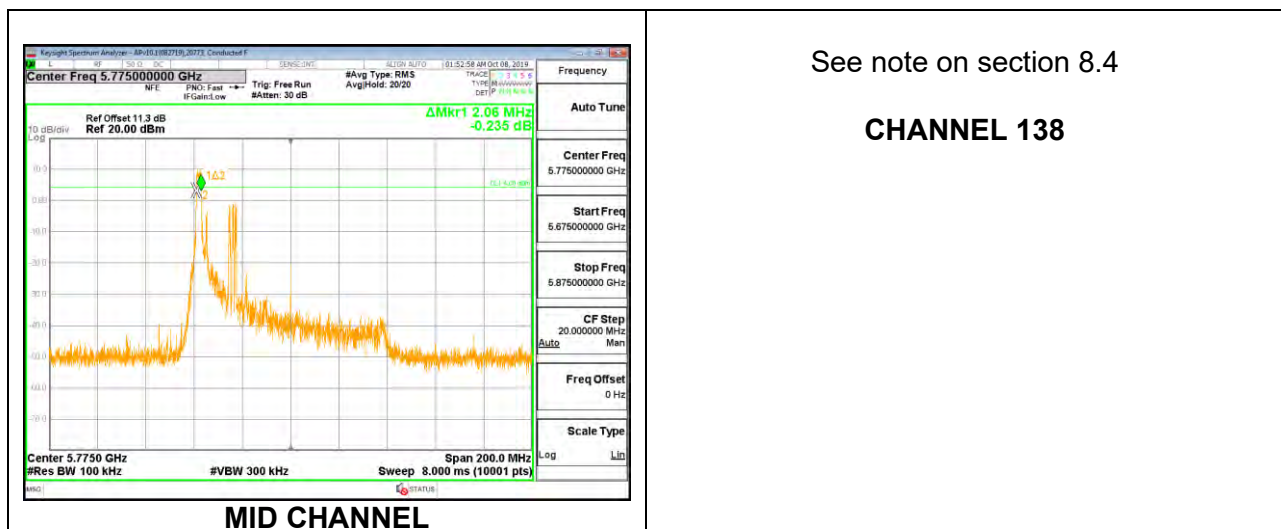
1TX UAT 2 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	76.080	0.5
138	5690	4.060	0.5



1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	2.060	0.5

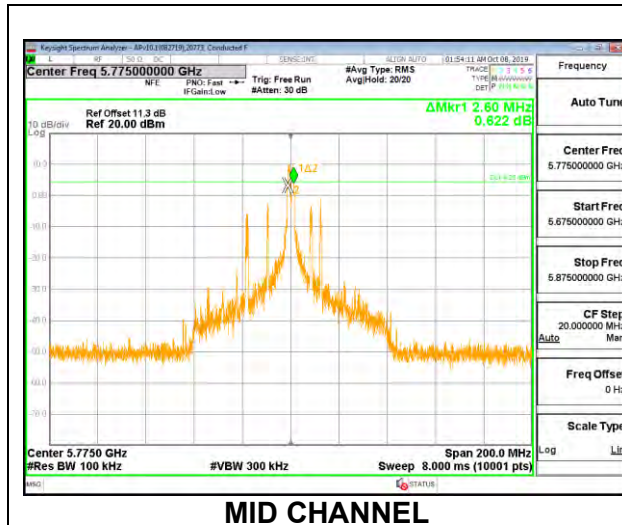


See note on section 8.4

CHANNEL 138

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

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.600	0.5

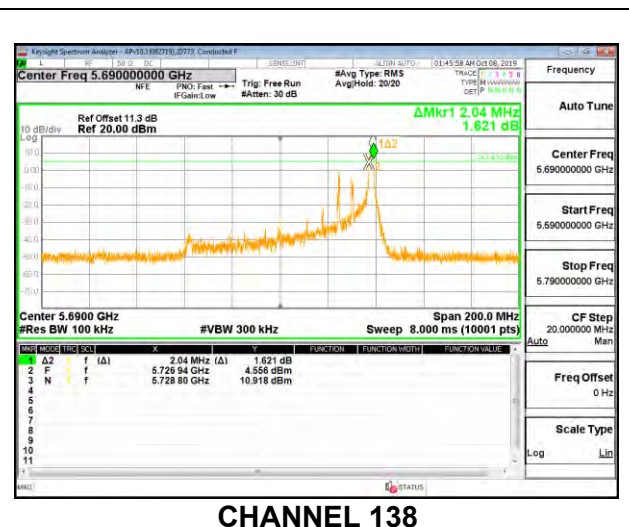
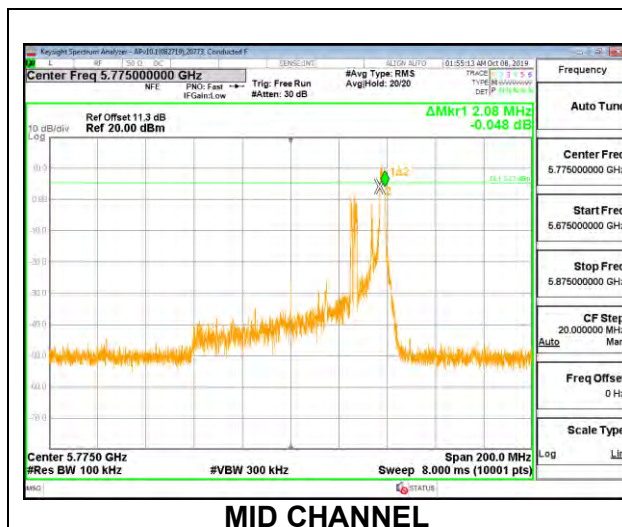


See note on section 8.4

CHANNEL 138

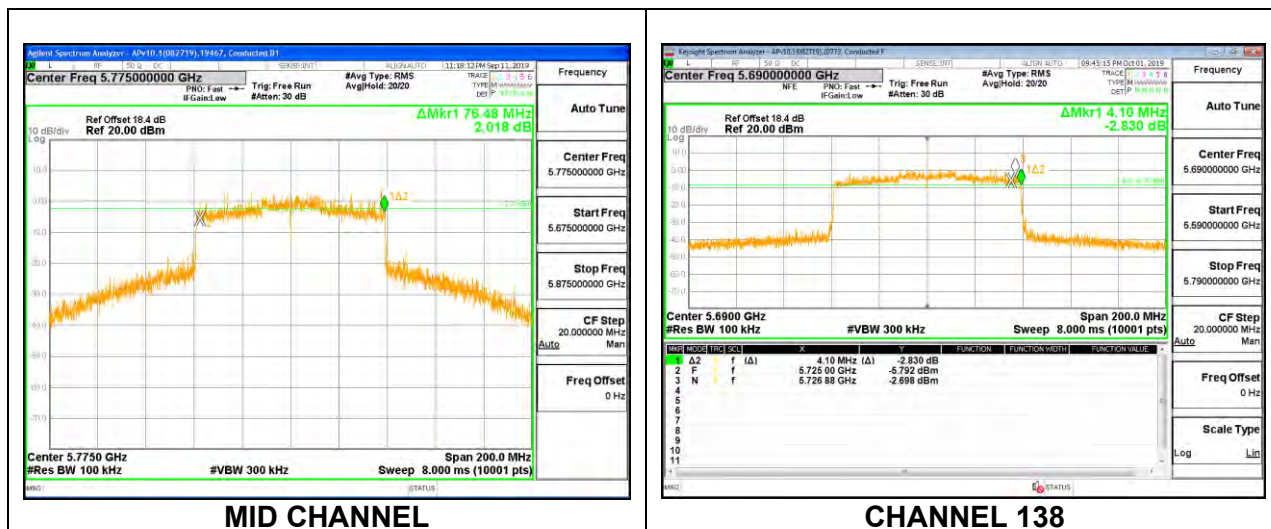
1TX UAT 2 MODE – 26 Tones, RU Index 36

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.080	0.5
138	5690	2.040	0.5



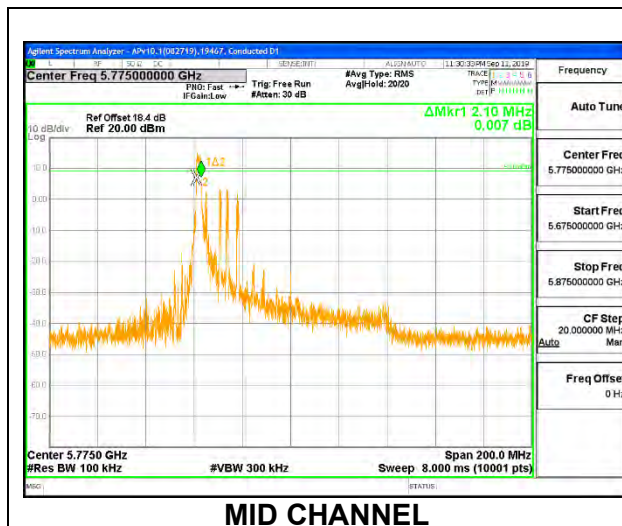
1TX LAT 3 MODE – 996 Tones, RU Index 67

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	76.48	0.5
138	5690	4.100	0.5



1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.100	0.5

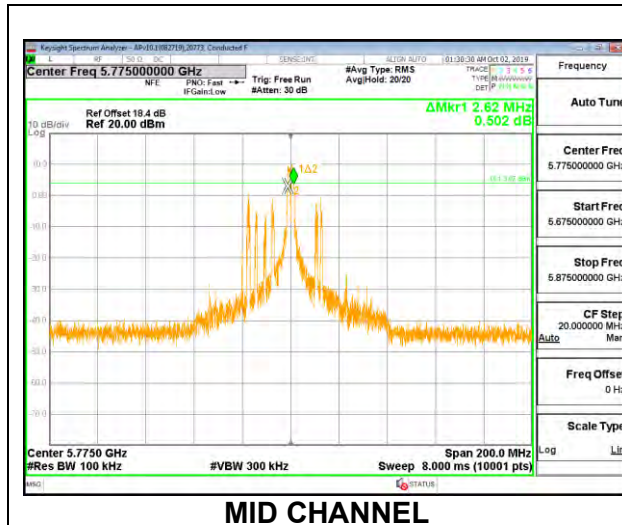


See note on section 8.4

CHANNEL 138

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

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.620	0.5

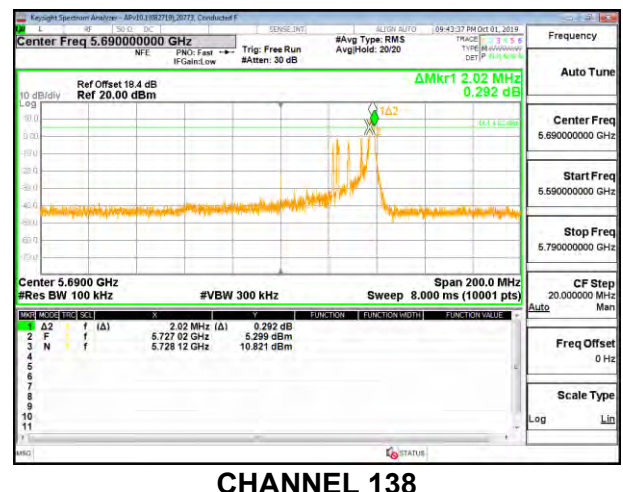
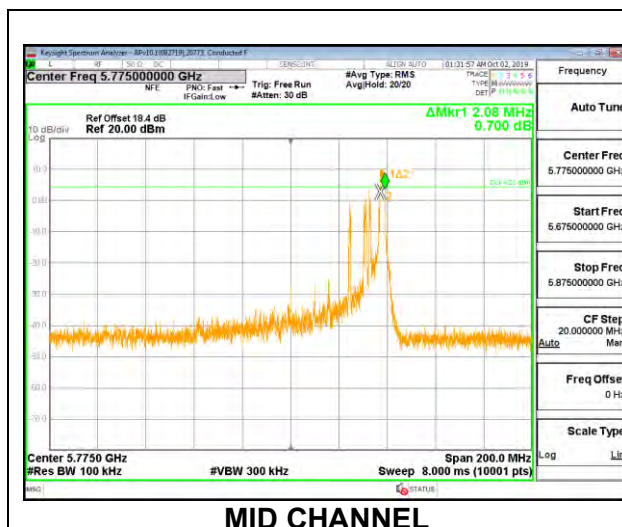


See note on section 8.4

CHANNEL 138

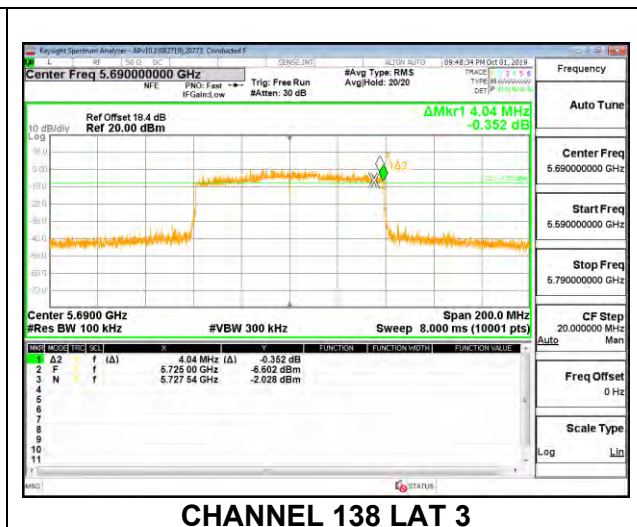
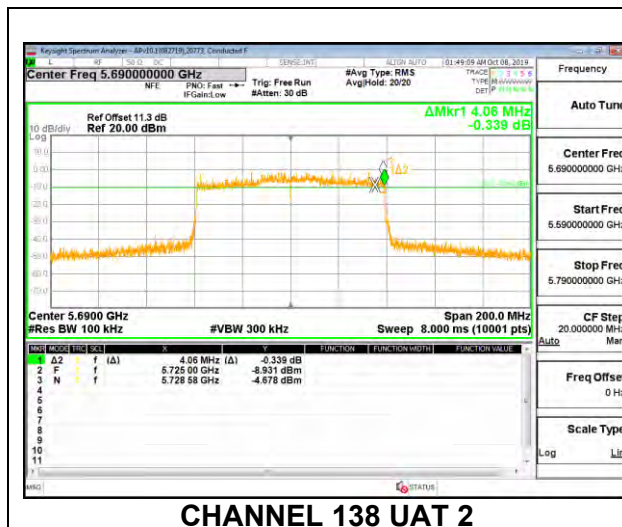
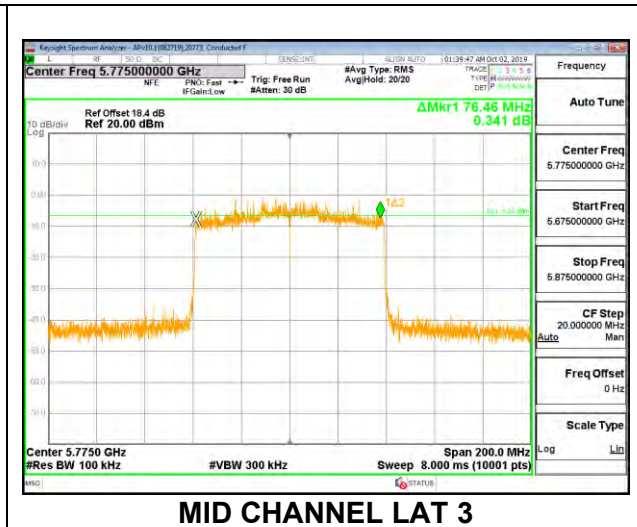
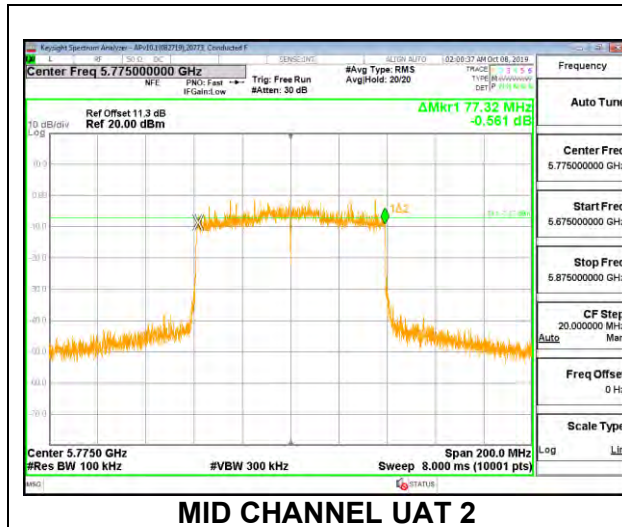
1TX LAT 3 MODE – 26 Tones, RU Index 36

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.080	0.5
138	5690	2.020	0.5



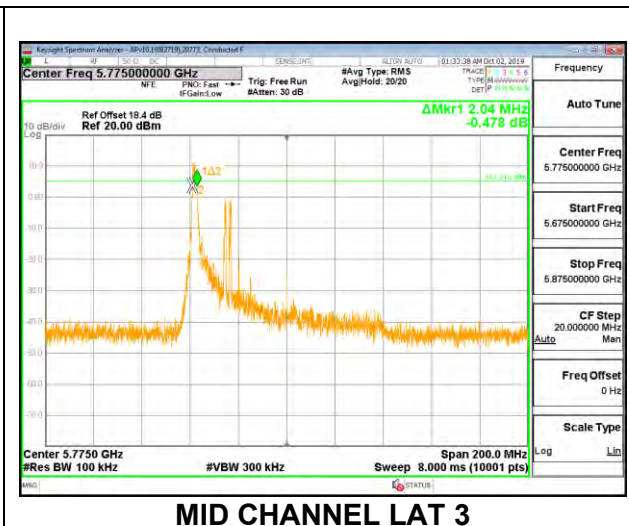
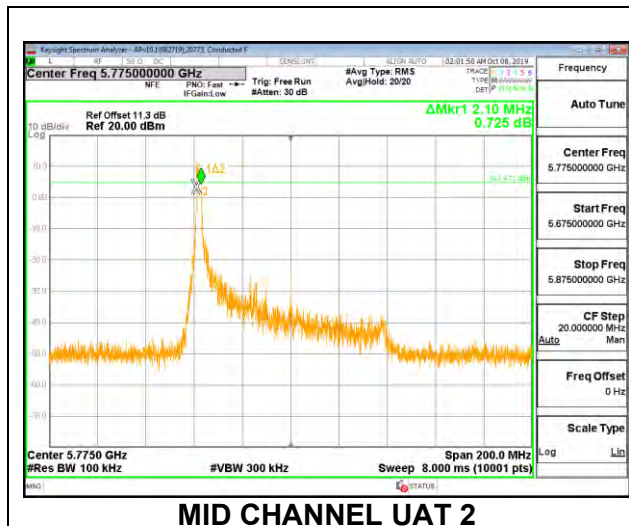
2TX UAT 2 + LAT 3 OFDMA MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	77.320	76.460	0.5
138	5690	4.060	4.040	0.5



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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	2.100	2.040	0.5



See note on section 8.4

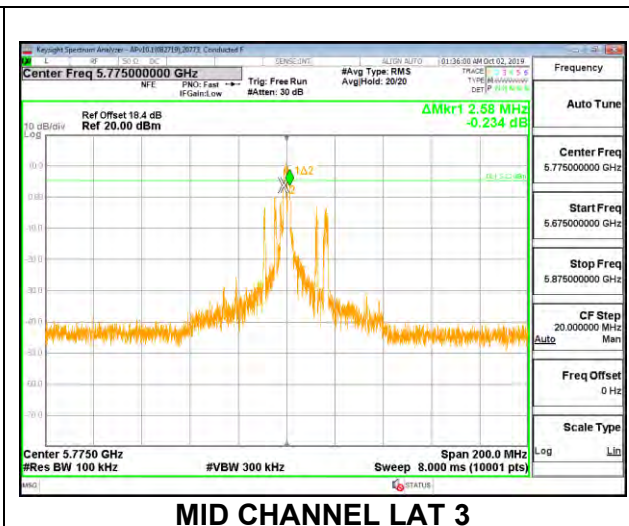
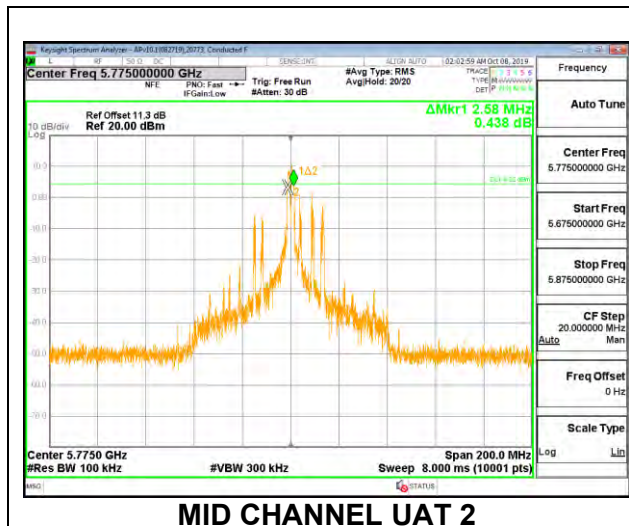
CHANNEL 138 UAT 2

See note on section 8.4

CHANNEL 138 LAT 3

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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	2.580	2.580	0.5



See note on section 8.4

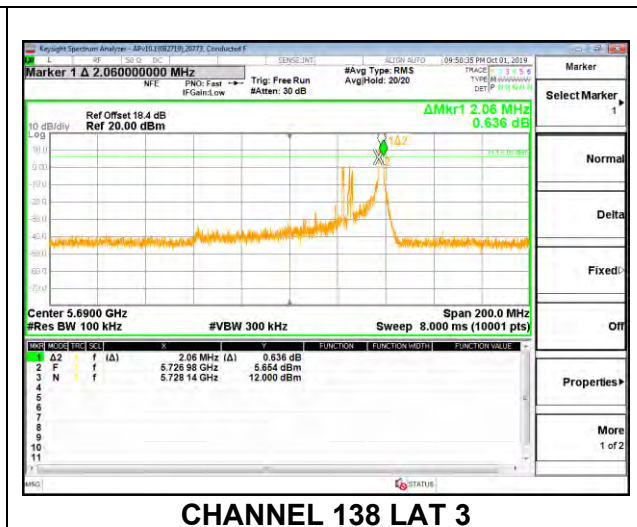
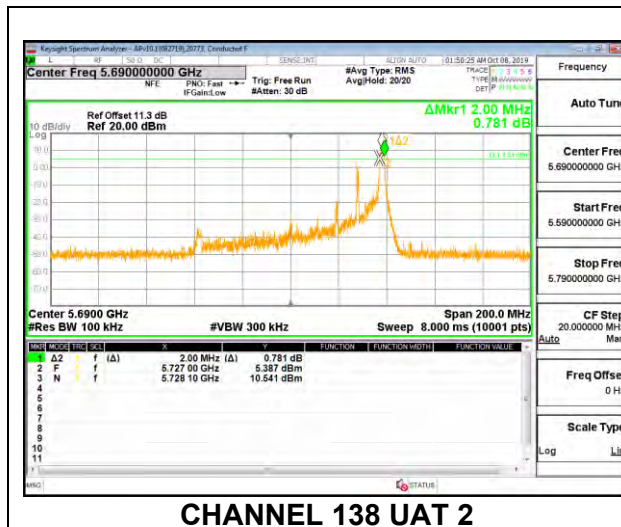
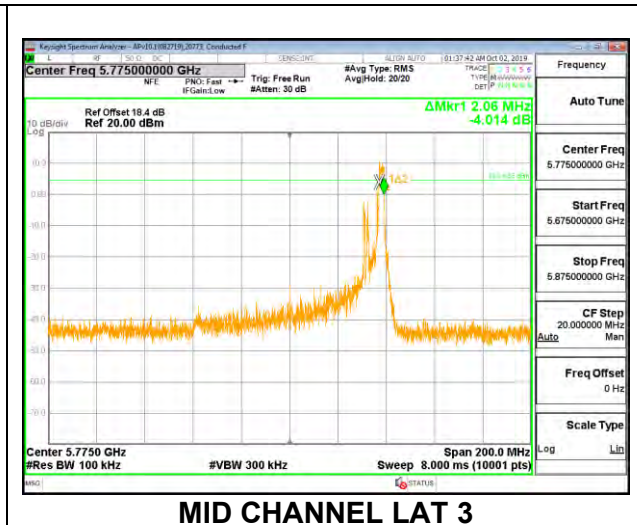
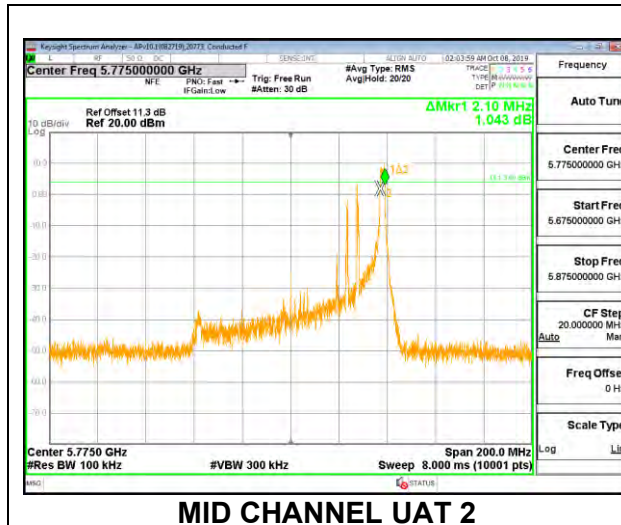
CHANNEL 138 UAT 2

See note on section 8.4

CHANNEL 138 LAT 3

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

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	2.100	2.060	0.5
138	5690	2.000	2.060	0.5



8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F.

For all straddle channels, full bandwidth power is reported in the 5.6GHz section. The combined 5.6GHz and 5.8GHz power already passed the worst case 5.6GHz 24dBm limit, therefore there is no need to provide the 5.8GHz power.

11n HT20 and 11ax HE20 straddle channel 26dB bandwidth= $(26\text{dB BW}/2)+5$
11n HT20 and 11ax HE20 straddle channel 99% bandwidth= $(99\% \text{ BW}/2)+5$

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	LAT 3 Gain (dBi)	UAT 2 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-3.60	-4.60	-4.07	-1.08
5.3	-1.20	-3.50	-2.20	0.74
5.6	-0.10	-2.60	-1.17	1.75
5.8	0.70	-2.60	-0.64	2.22

ID:	39472	Date:	1/31/2020
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RESULTS

8.5.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX UAT 2 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	21.80	-4.60	24.00	11.00
Mid	5200	21.80	-4.60	24.00	11.00
High	5240	21.75	-4.60	24.00	11.00

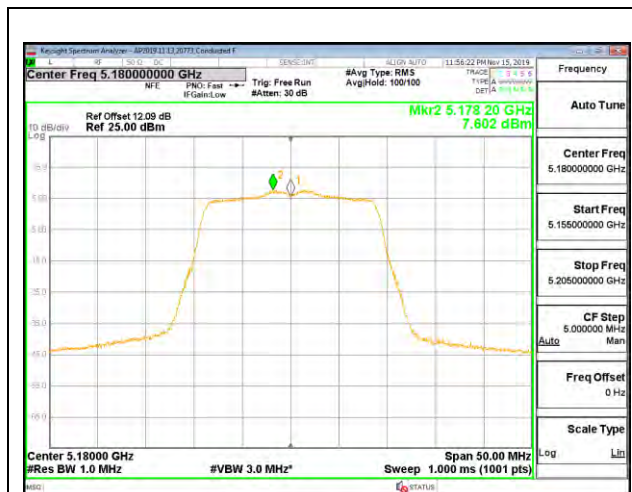
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

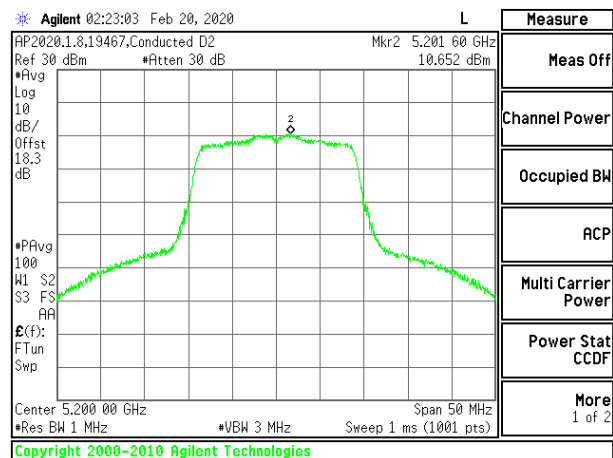
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.23	17.23	24.00	-6.77
Mid	5200	17.05	17.05	24.00	-6.95
High	5240	17.15	17.15	24.00	-6.85

PSD Results

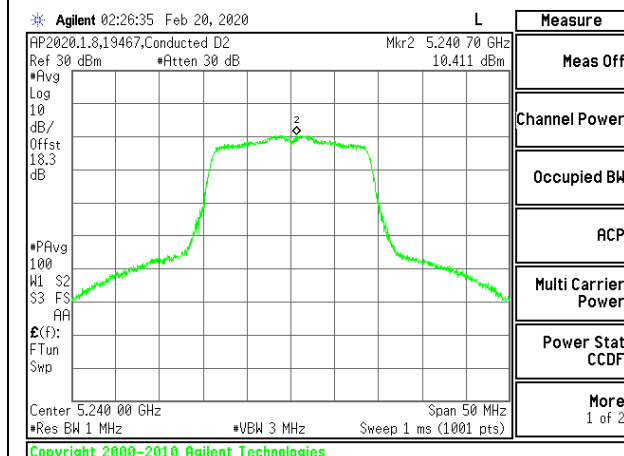
Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.60	7.60	11.00	-3.40
Mid	5200	10.65	10.65	11.00	-0.35
High	5240	10.41	10.41	11.00	-0.59



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL