

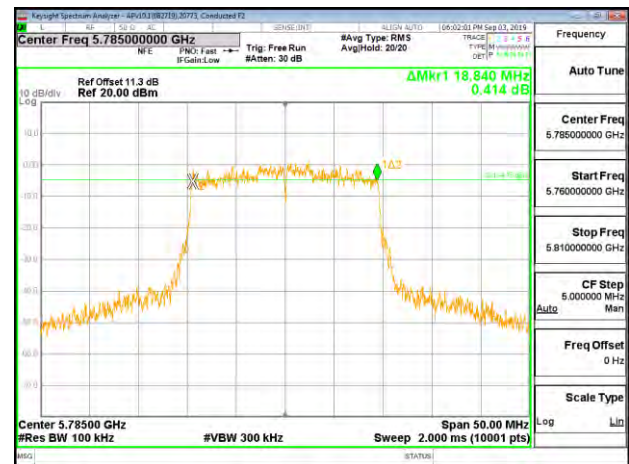
8.4.4. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

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

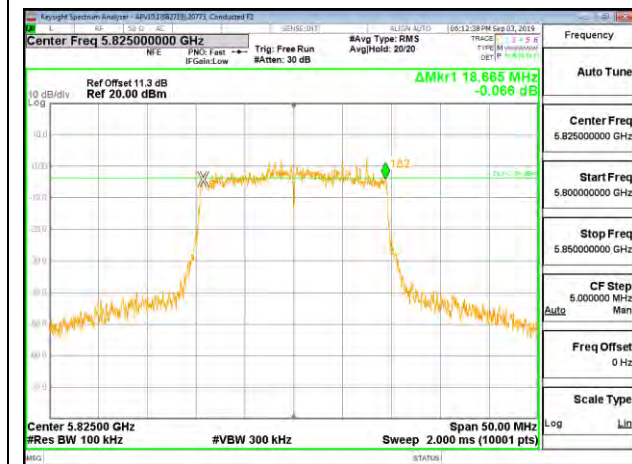
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.805	0.5
Mid	5785	18.840	0.5
High	5825	18.665	0.5
144	5720	4.025	0.5



LOW CHANNEL



MID CHANNEL



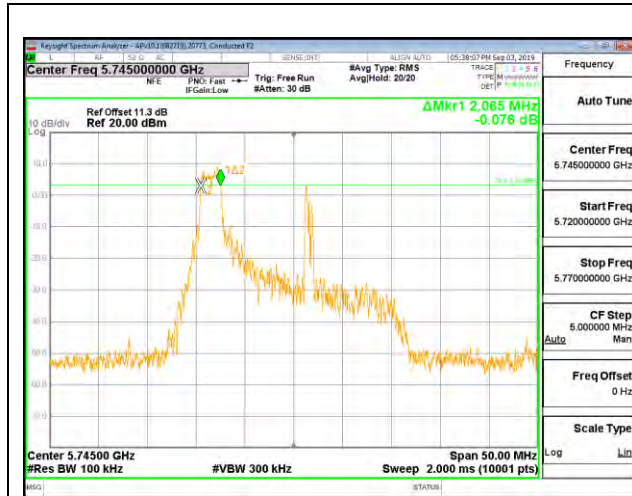
HIGH CHANNEL



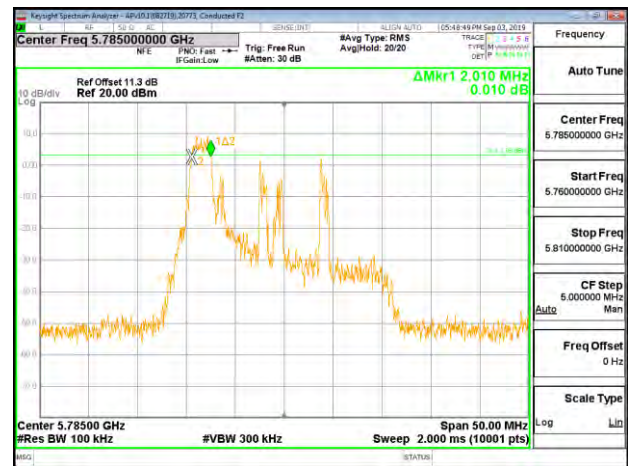
CHANNEL 144

1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.065	0.5
Mid	5785	2.010	0.5
High	5825	1.970	0.5

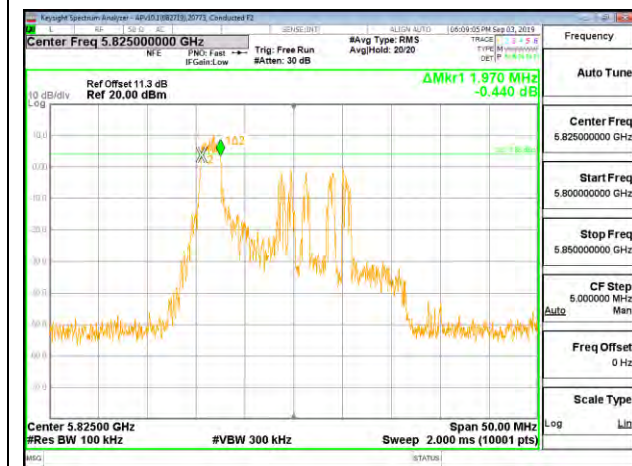


LOW CHANNEL



**MID CHANNEL
CHANNEL 144**

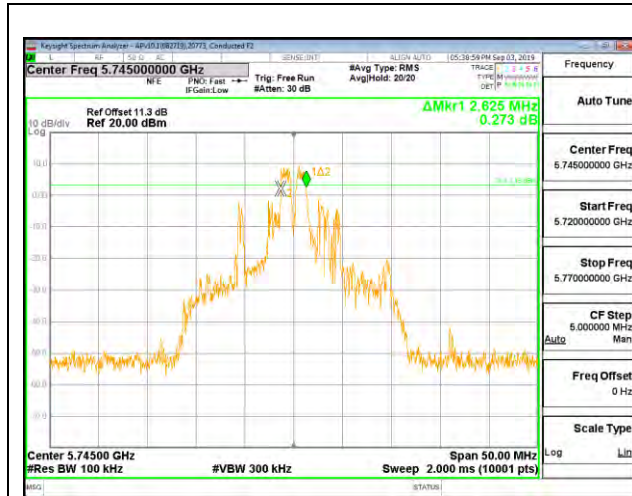
See note on section 8.4



HIGH CHANNEL

1TX UAT 2 MODE – 26 Tones, RU Index 4

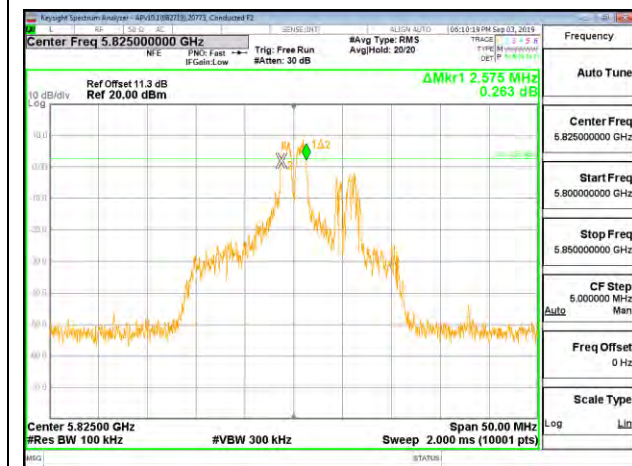
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.625	0.5
Mid	5785	2.585	0.5
High	5825	2.575	0.5



LOW CHANNEL



**MID CHANNEL
CHANNEL 144**

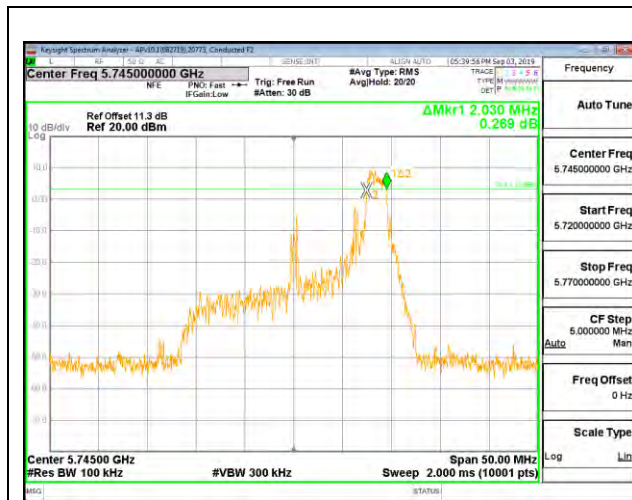
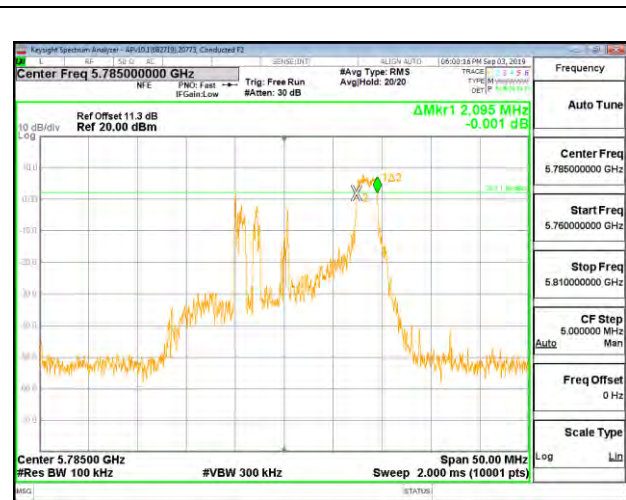
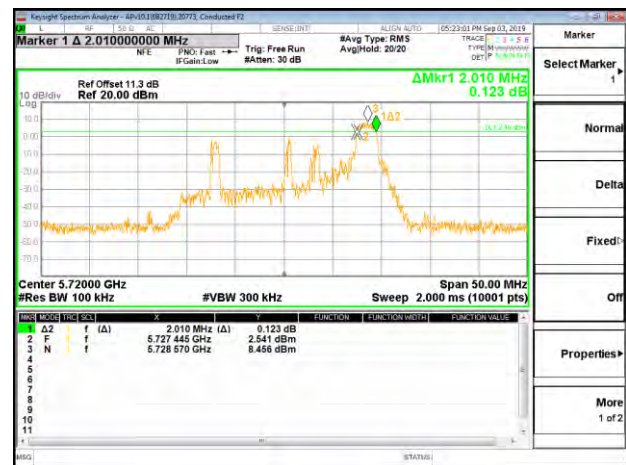


HIGH CHANNEL

See note on section 8.4

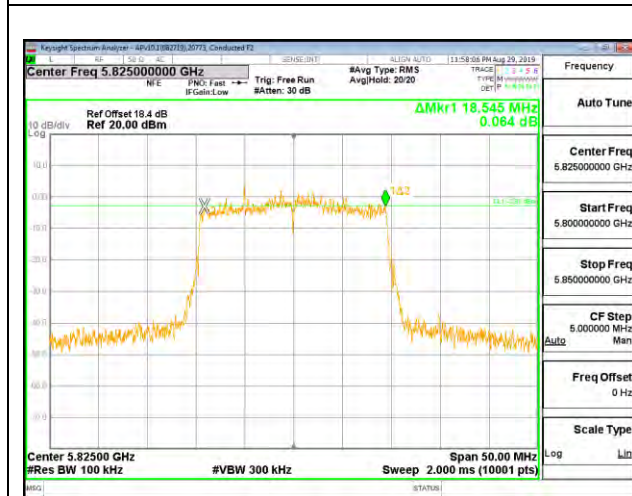
1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.030	0.5
Mid	5785	2.095	0.5
High	5825	2.050	0.5
144	5720	2.010	0.5

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL****CHANNEL 144**

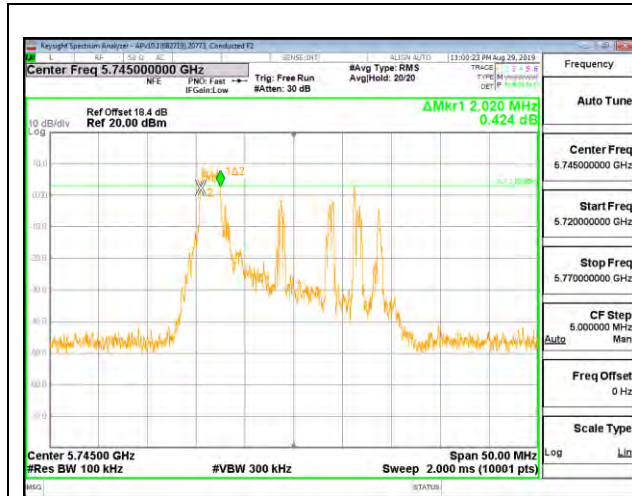
1TX LAT 3 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.590	0.5
Mid	5785	18.935	0.5
High	5825	18.545	0.5
144	5720	4.485	0.5

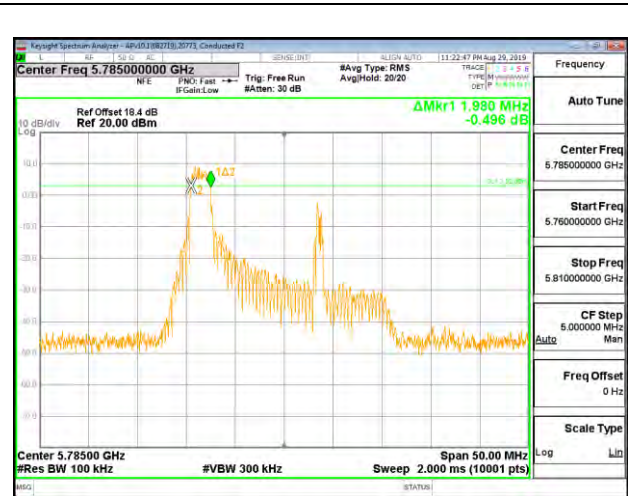
**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL****CHANNEL 144**

1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.020	0.5
Mid	5785	1.980	0.5
High	5825	2.045	0.5

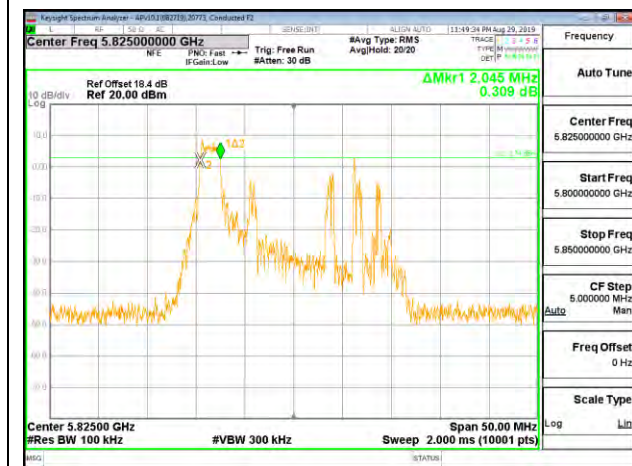


LOW CHANNEL



**MID CHANNEL
CHANNEL 144**

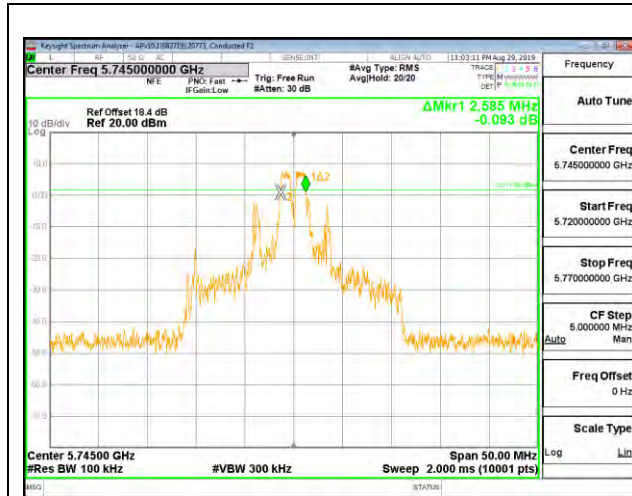
See note on section 8.4



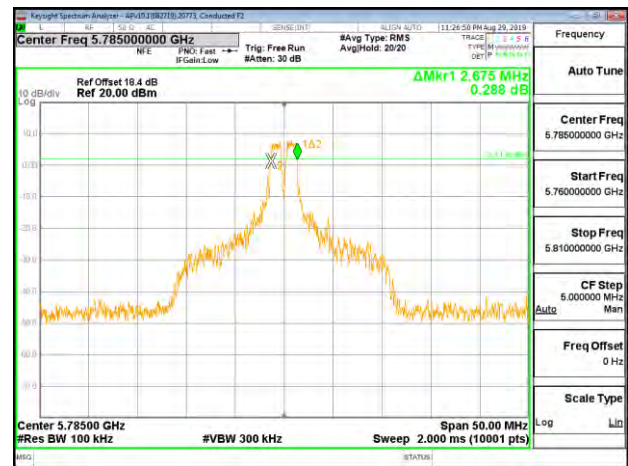
HIGH CHANNEL

1TX LAT 3 MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.585	0.5
Mid	5785	2.675	0.5
High	5825	2.530	0.5

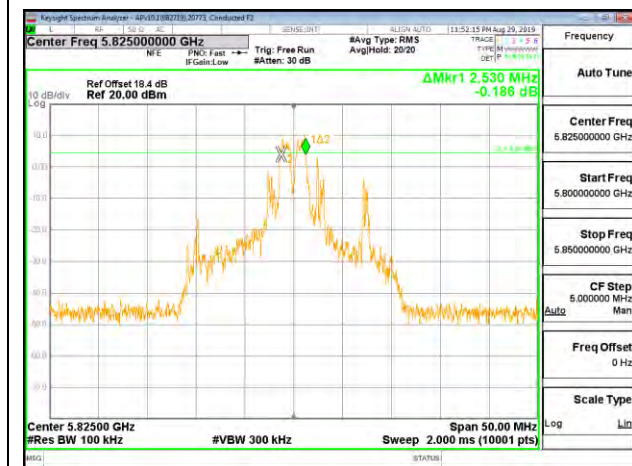


LOW CHANNEL



**MID CHANNEL
CHANNEL 144**

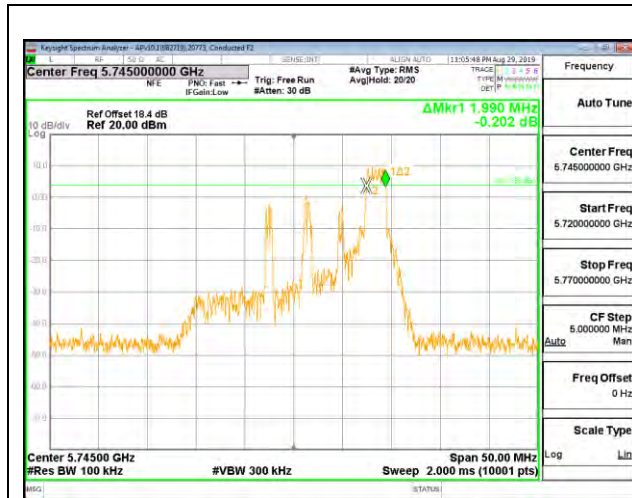
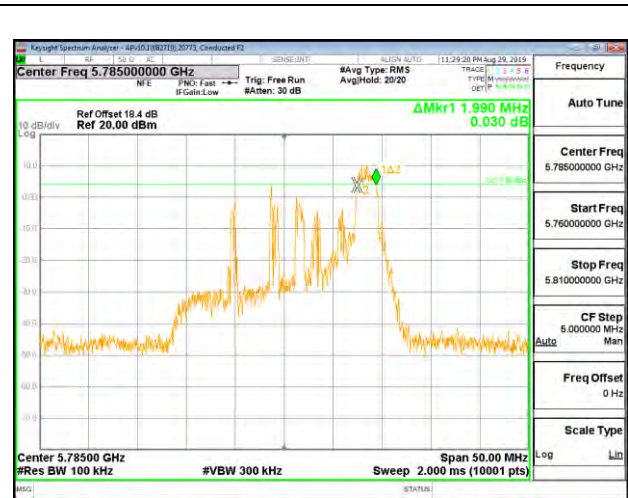
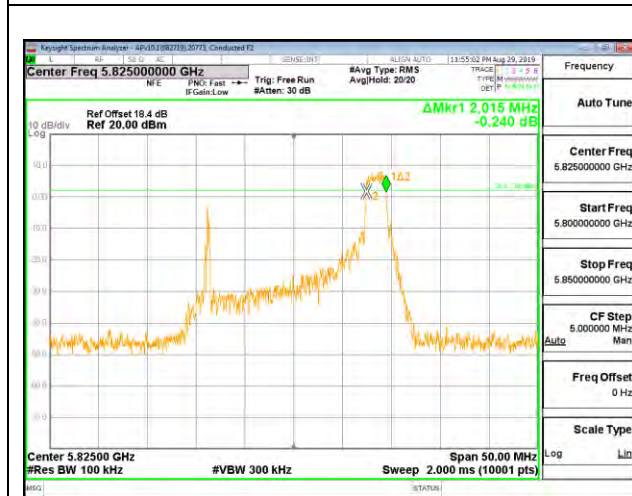
See note on section 8.4



HIGH CHANNEL

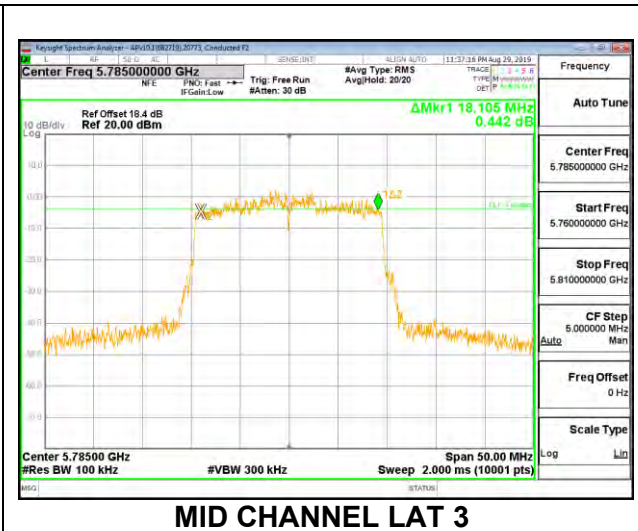
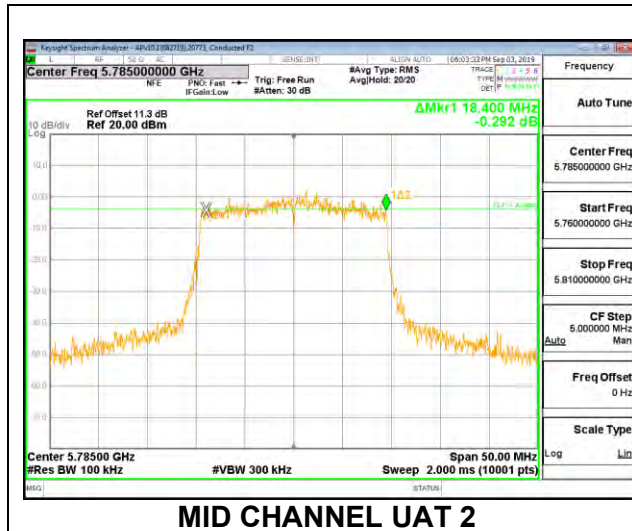
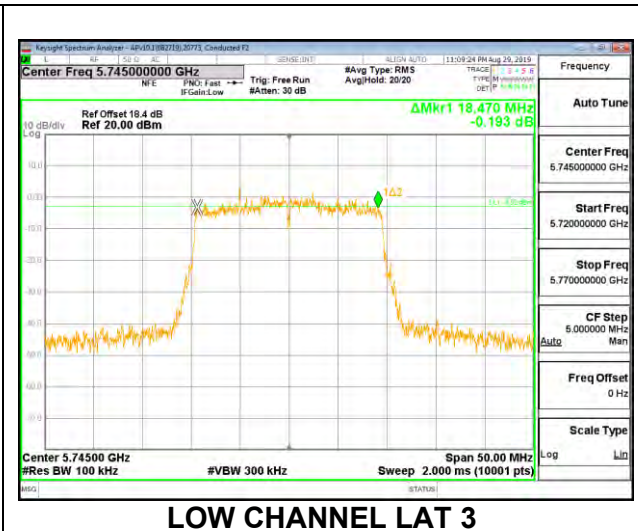
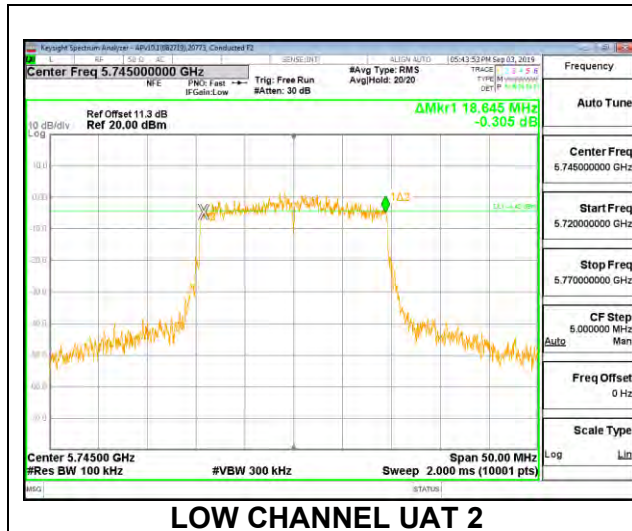
1TX LAT 3 MODE – 26 Tones, RU Index 8

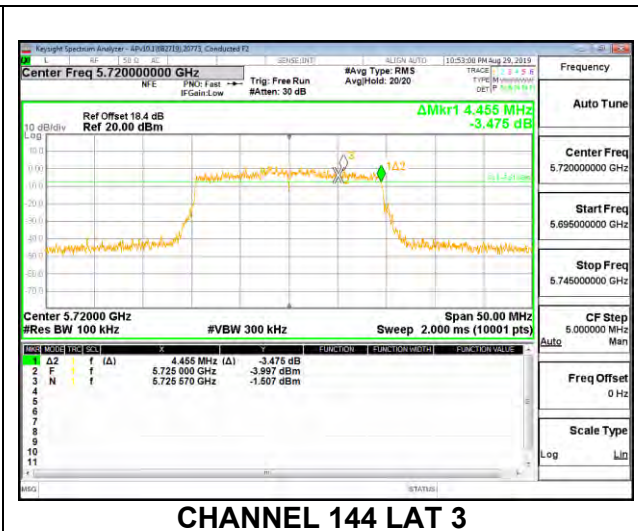
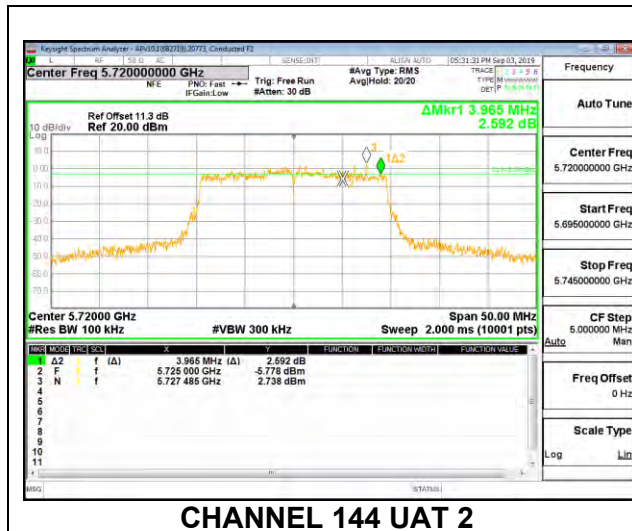
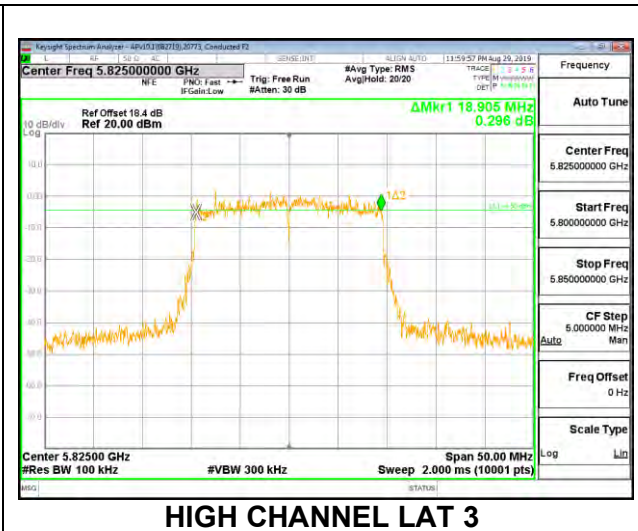
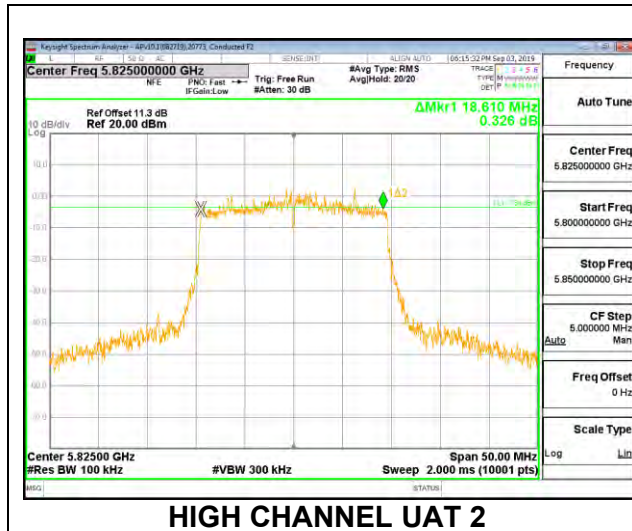
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	1.990	0.5
Mid	5785	1.990	0.5
High	5825	2.015	0.5
144	5720	2.015	0.5

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL****CHANNEL 144**

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

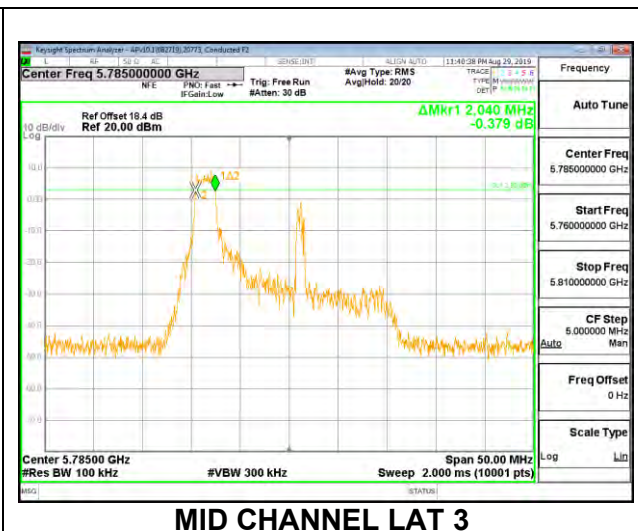
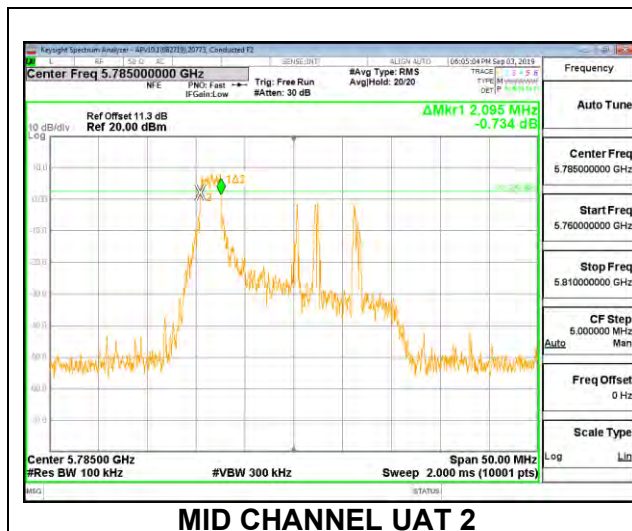
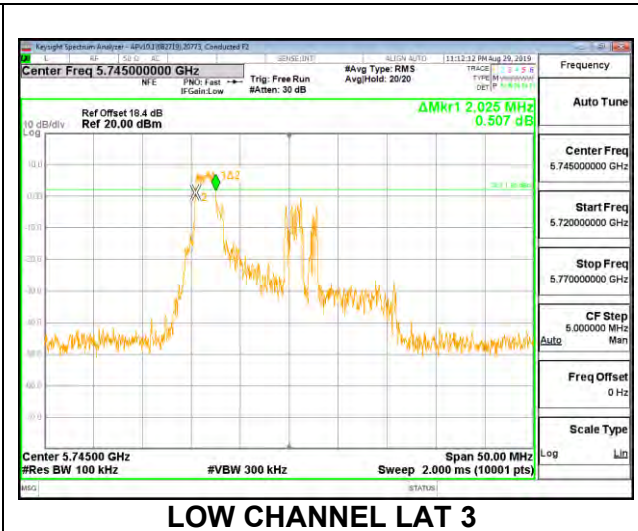
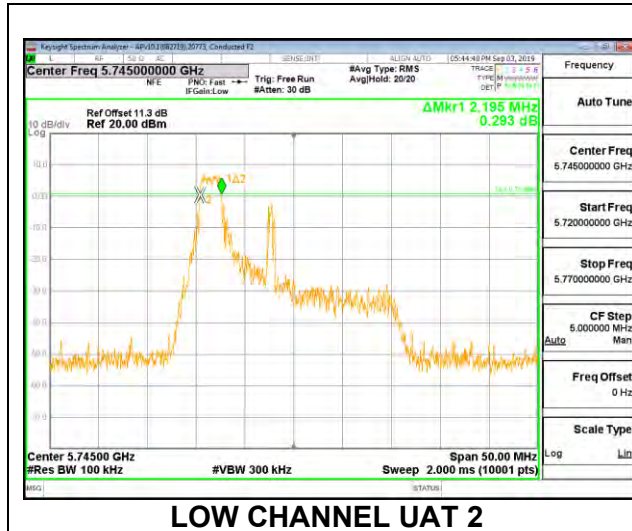
Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	18.645	18.470	0.5
Mid	5785	18.400	18.105	0.5
High	5825	18.610	18.905	0.5
144	5720	3.965	4.455	0.5

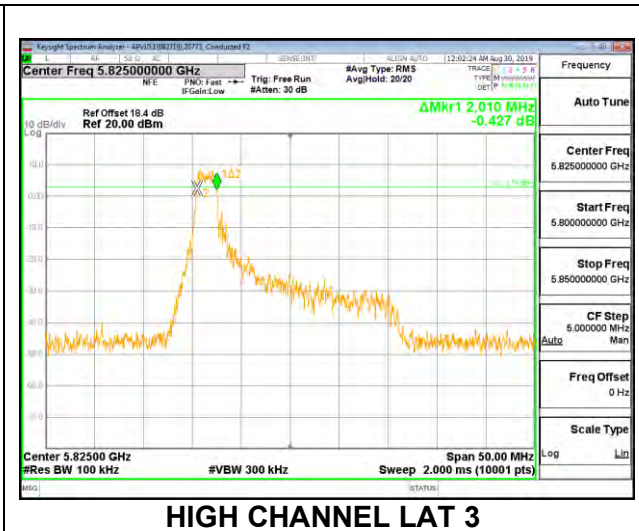
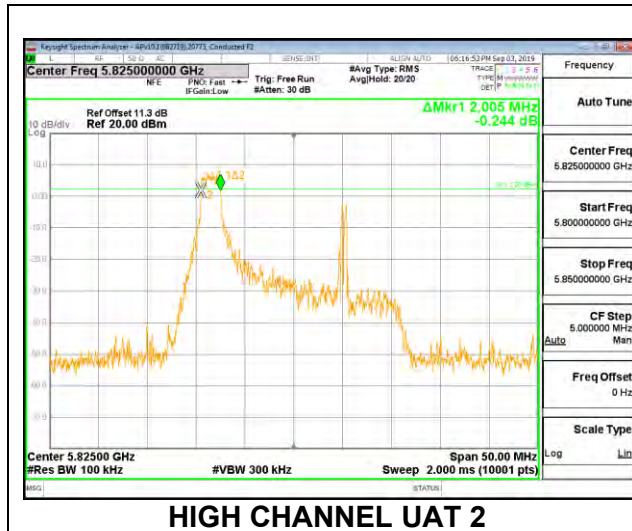




2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.195	2.025	0.5
Mid	5785	2.095	2.040	0.5
High	5825	2.005	2.010	0.5





CHANNEL 144 UAT 2

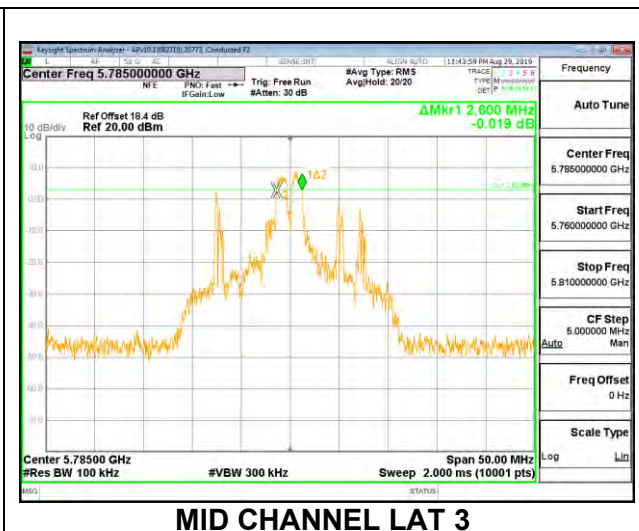
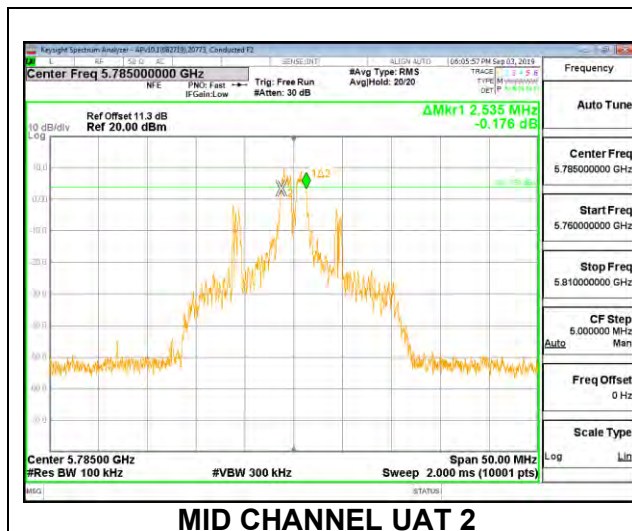
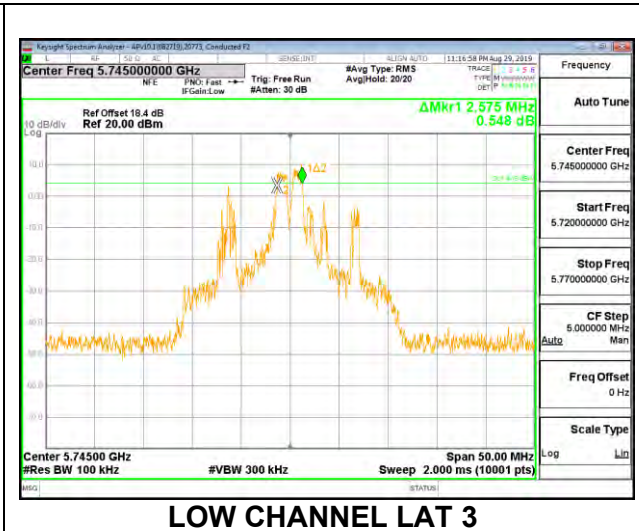
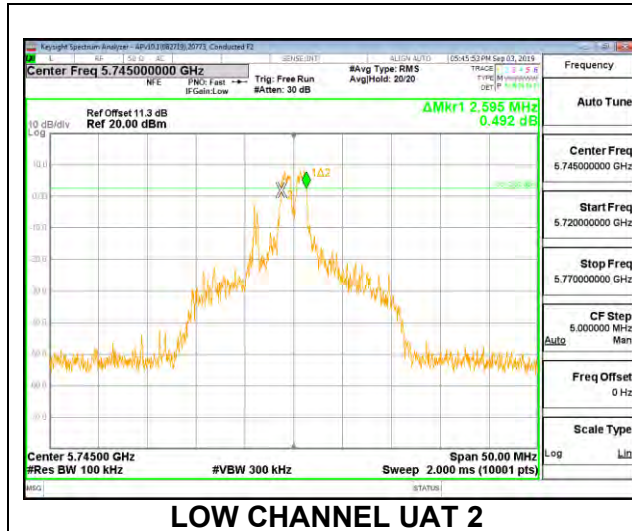
See note on section 8.4

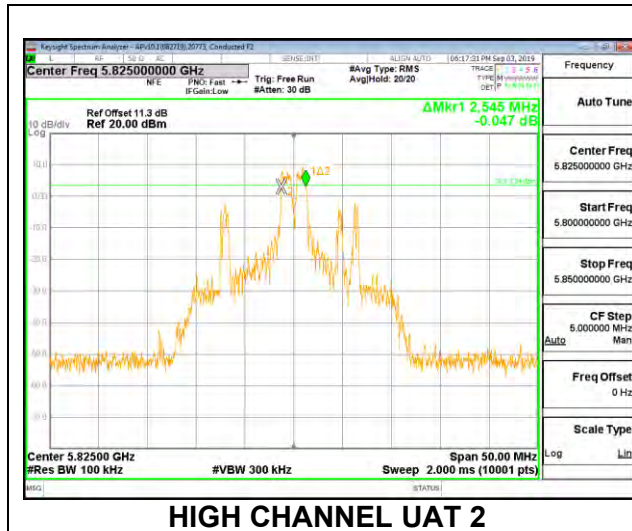
CHANNEL 144 LAT 3

See note on section 8.4

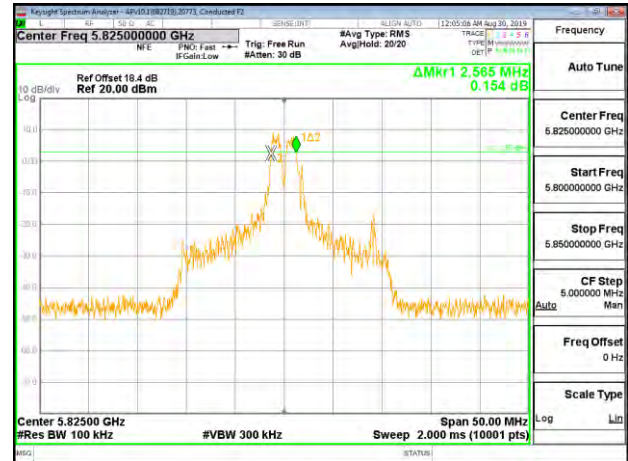
2TX UAT 2 + LAT 3 OFDMA MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.595	2.575	0.5
Mid	5785	2.535	2.600	0.5
High	5825	2.545	2.565	0.5





HIGH CHANNEL UAT 2



HIGH CHANNEL LAT 3

CHANNEL 144 UAT 2

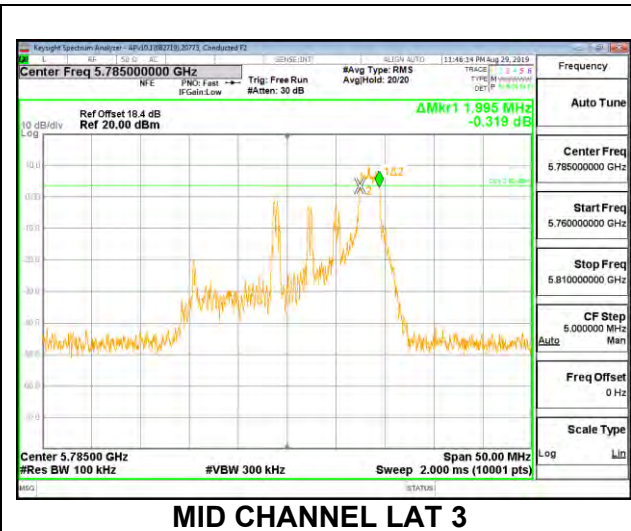
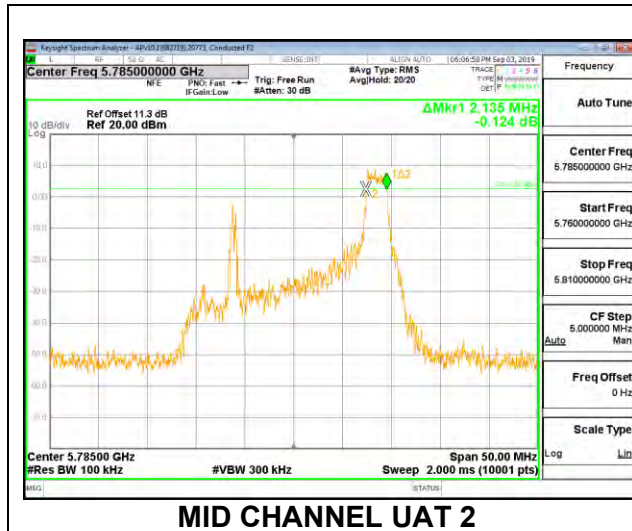
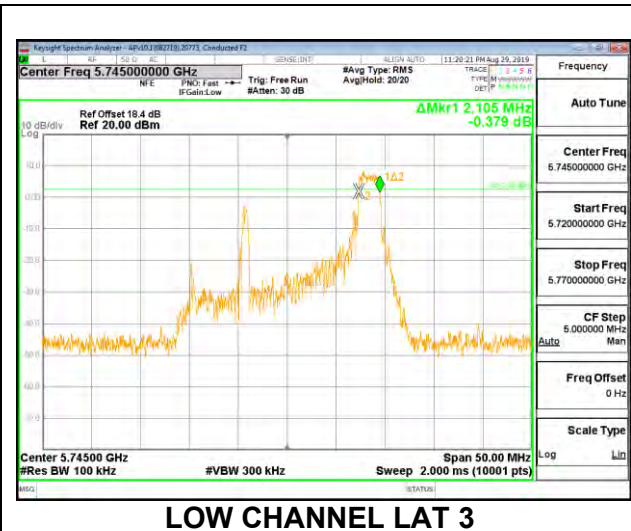
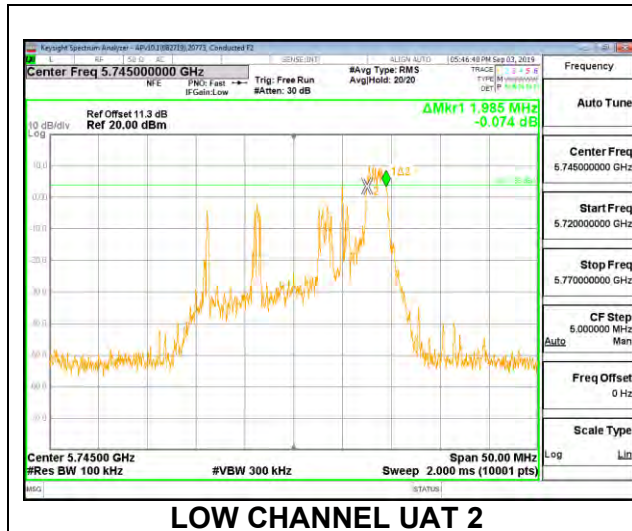
See note on section 8.4

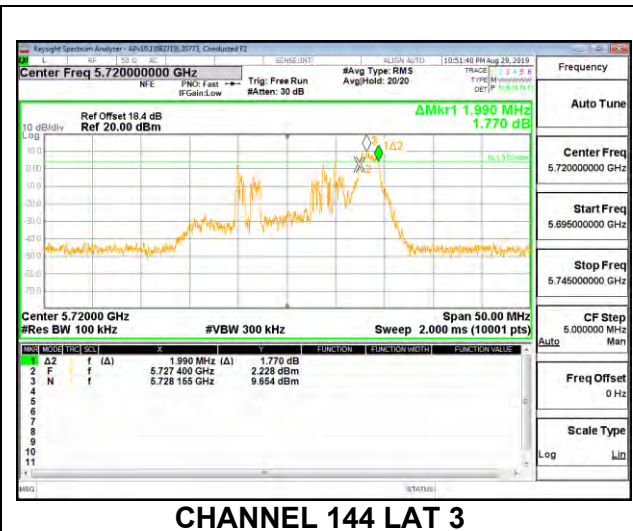
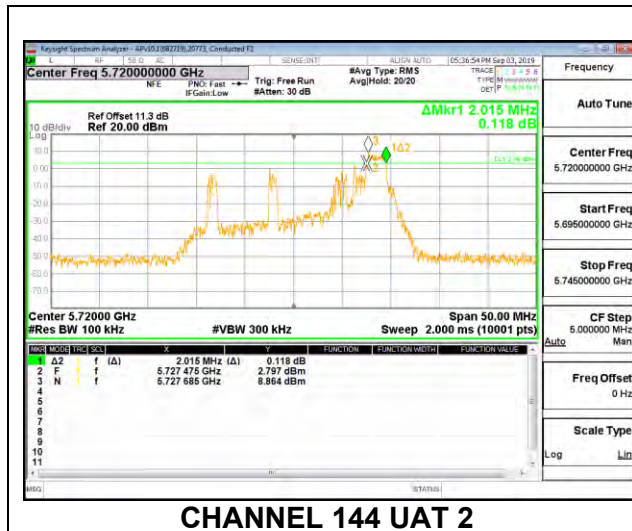
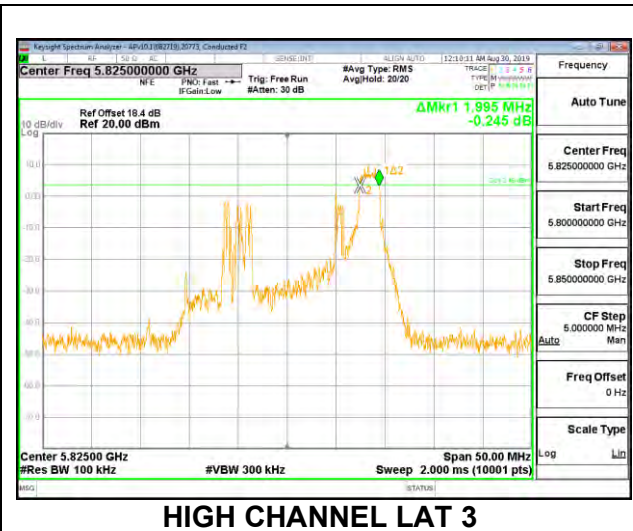
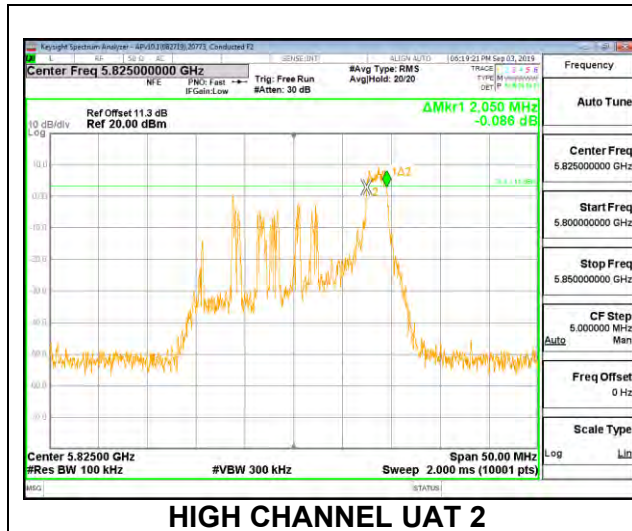
CHANNEL 144 LAT 3

See note on section 8.4

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	1.985	2.105	0.5
Mid	5785	2.135	1.995	0.5
High	5825	2.050	1.995	0.5
144	5720	2.015	1.990	0.5





8.4.5. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

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

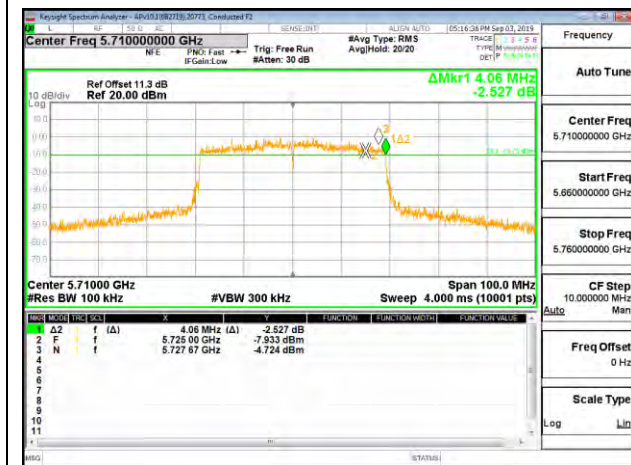
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	37.310	0.5
High	5795	37.140	0.5
142	5710	4.060	0.5



LOW CHANNEL



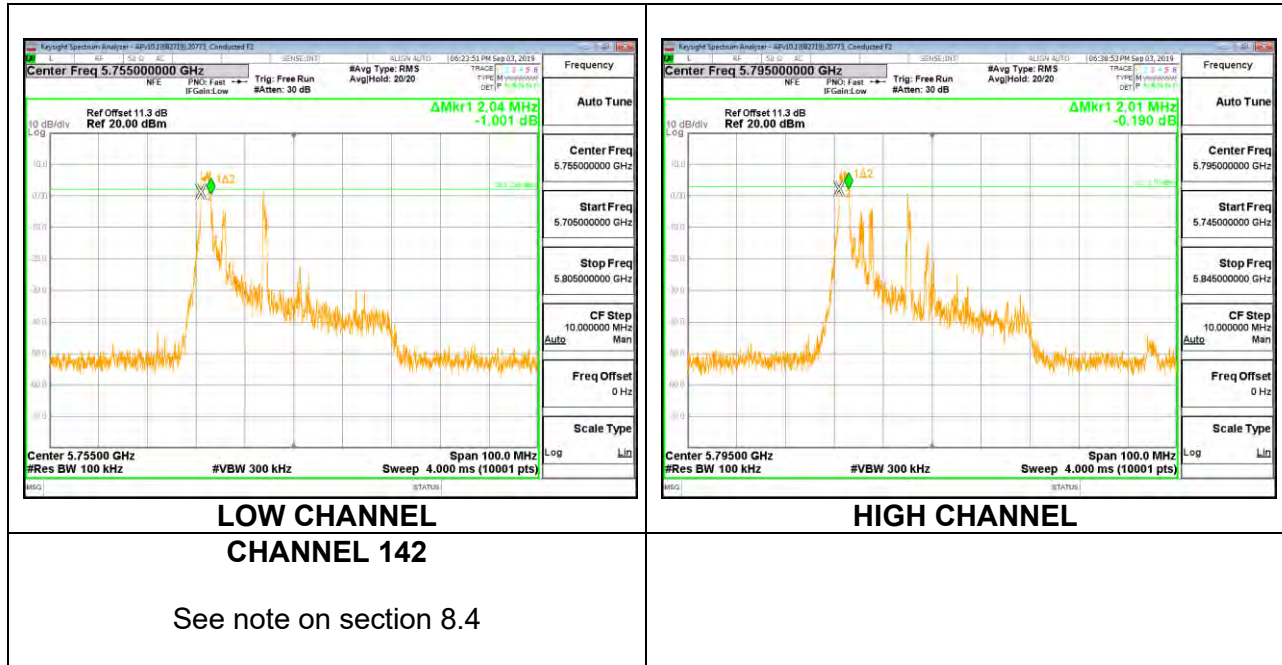
HIGH CHANNEL



CHANNEL 142

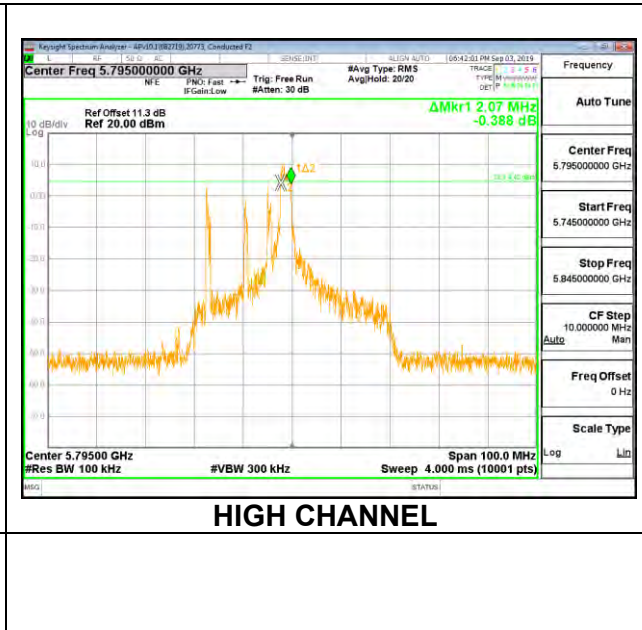
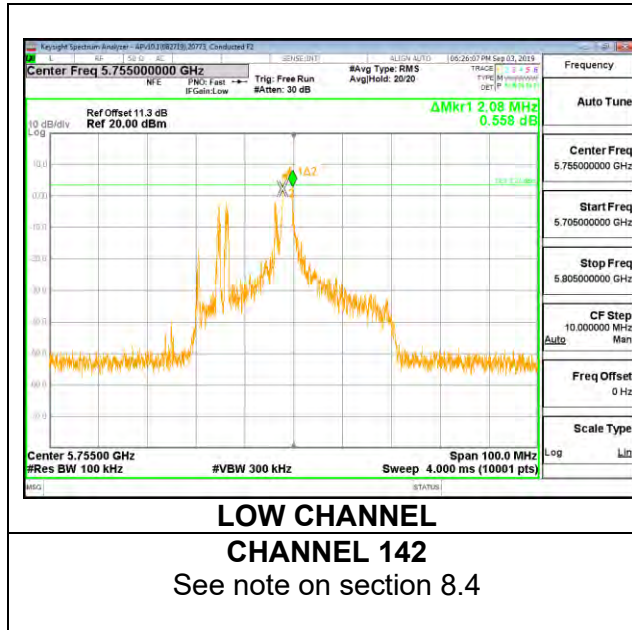
1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.040	0.5
High	5795	2.010	0.5



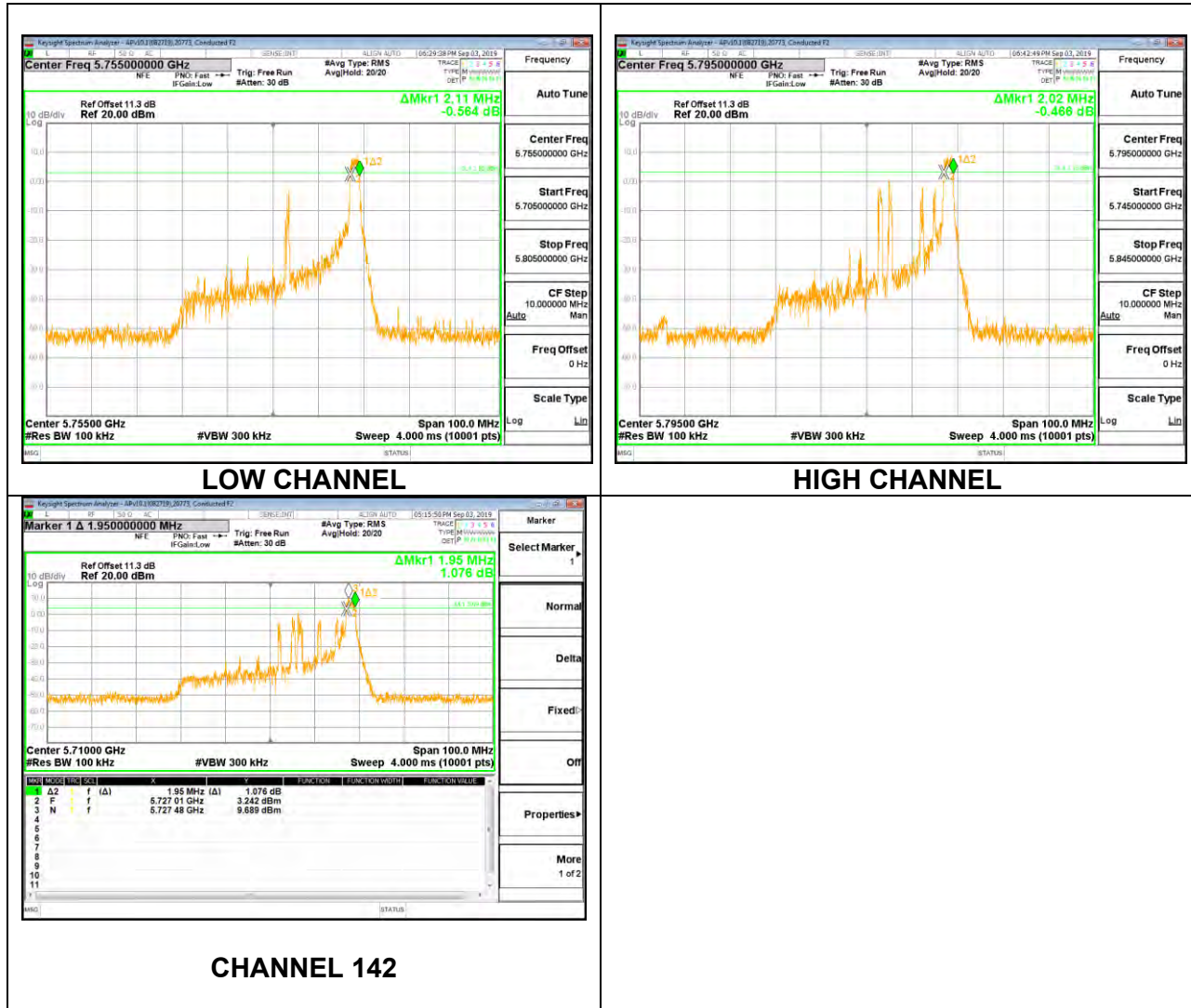
1TX UAT 2 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.080	0.5
High	5795	2.070	0.5



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

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.110	0.5
High	5795	2.020	0.5
142	5710	1.950	0.5

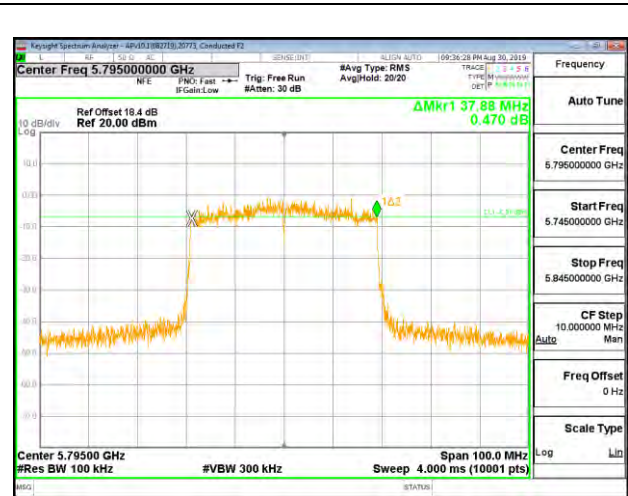


1TX LAT 3 MODE – 484 Tones, RU Index 65

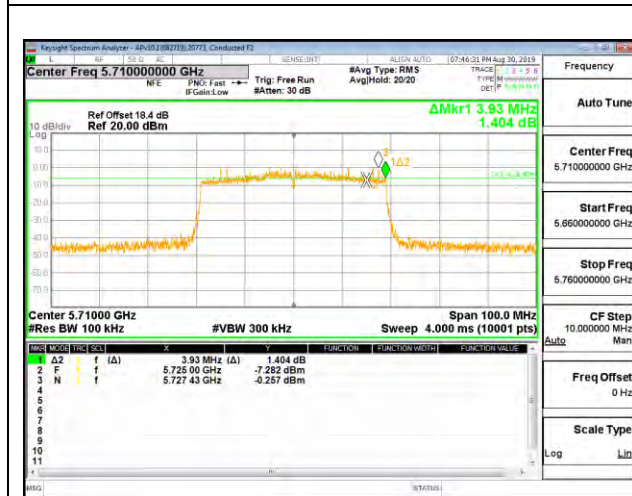
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	37.090	0.5
High	5795	37.880	0.5
142	5710	3.930	0.5



LOW CHANNEL



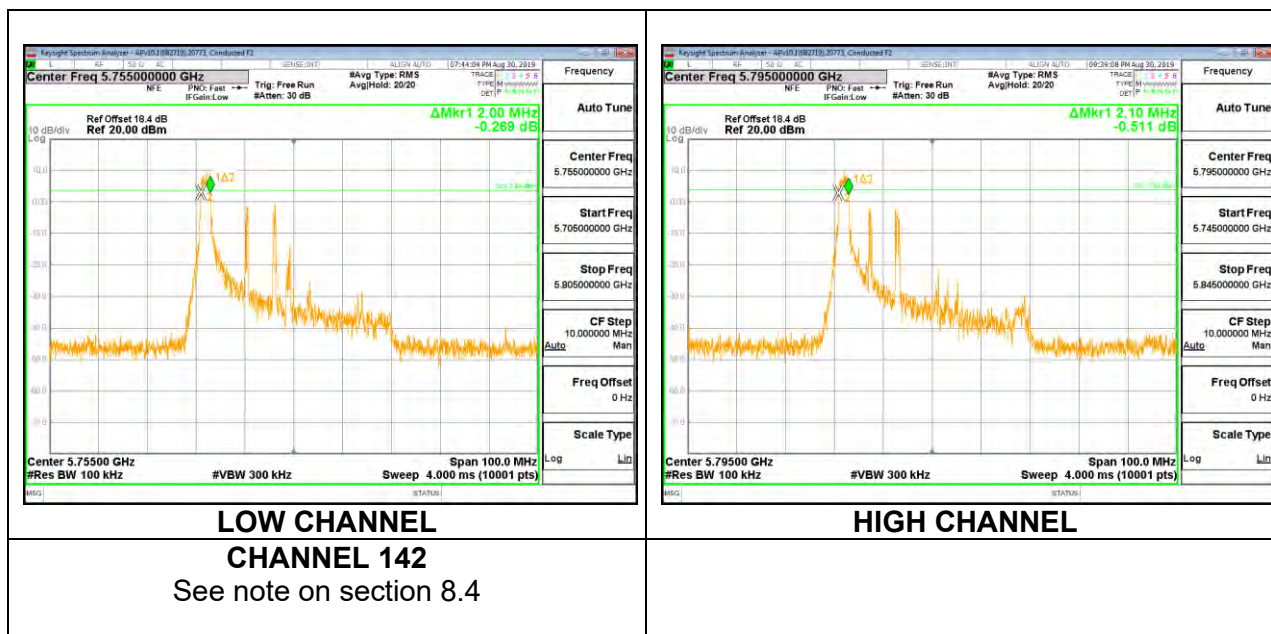
HIGH CHANNEL



CHANNEL 142

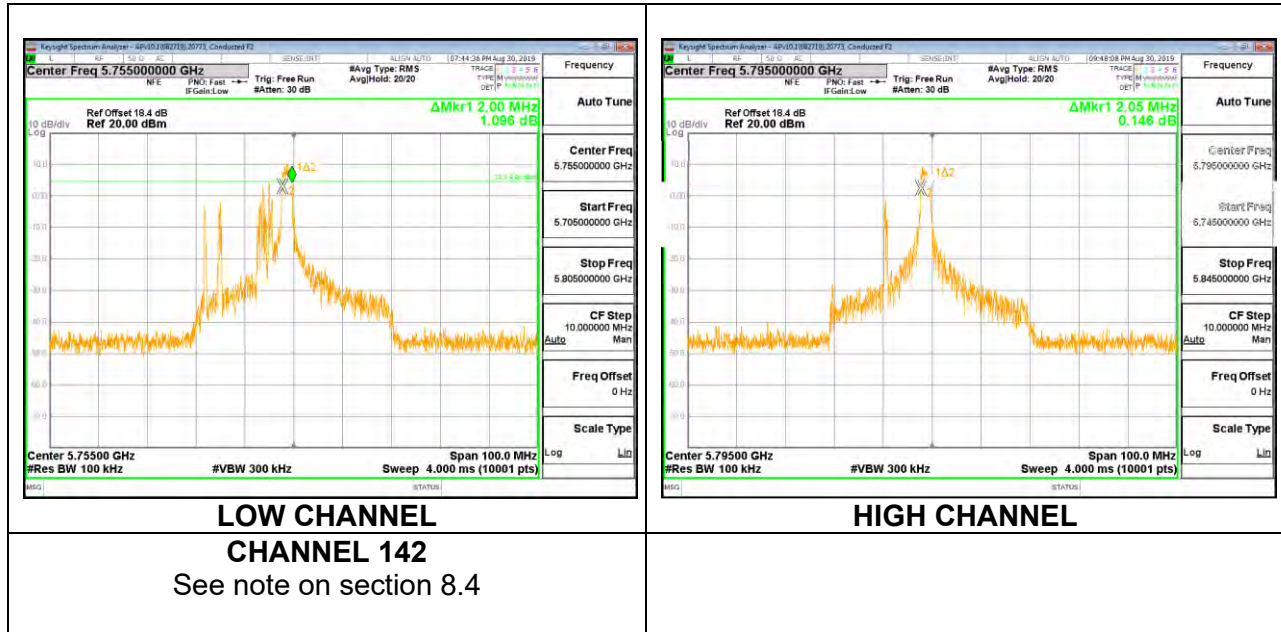
1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.000	0.5
High	5795	2.100	0.5



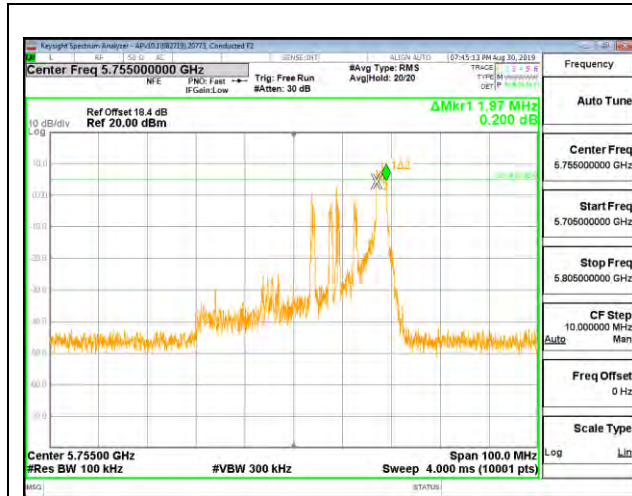
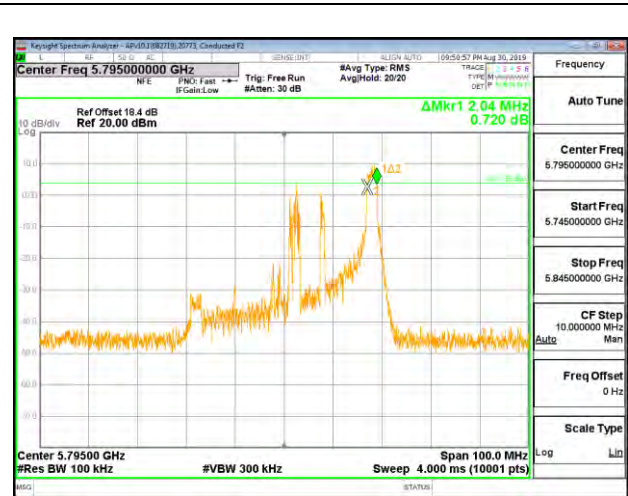
1TX LAT 3 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.000	0.5
High	5795	2.050	0.5



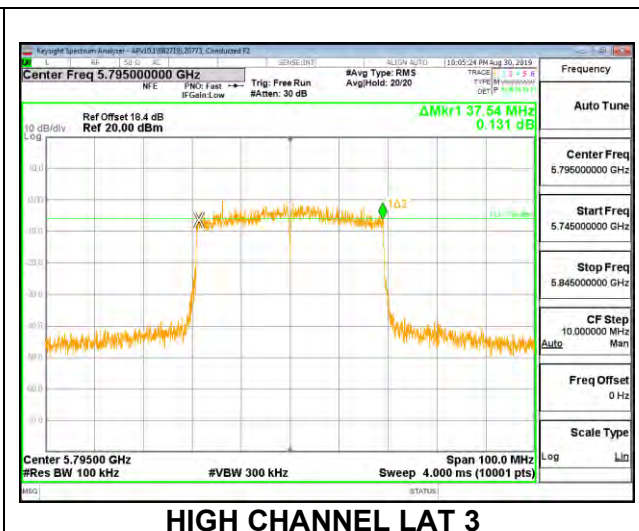
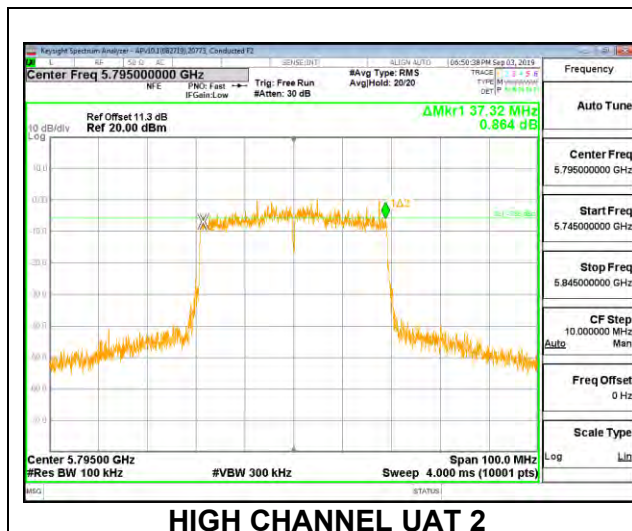
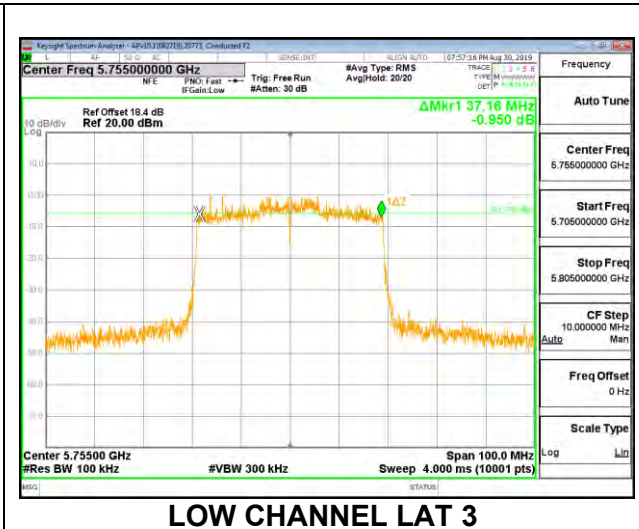
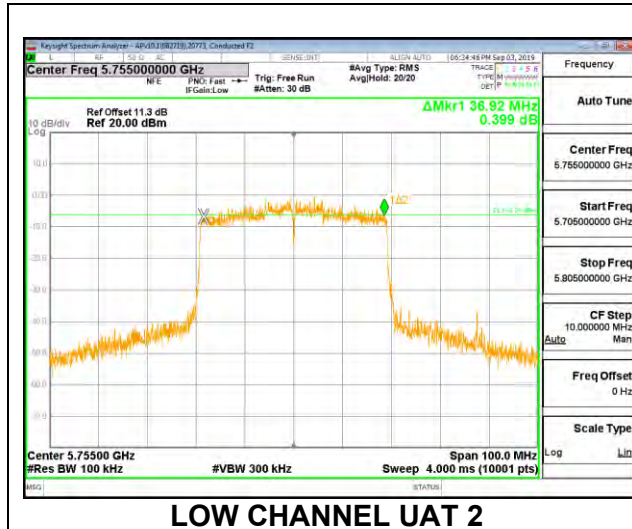
1TX LAT 3 MODE – 26 Tones, RU Index 17

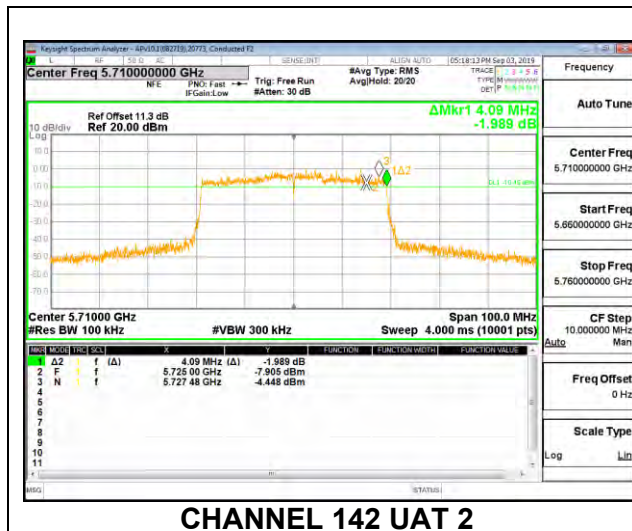
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	1.970	0.5
High	5795	2.040	0.5
142	5710	2.010	0.5

**LOW CHANNEL****HIGH CHANNEL****CHANNEL 142**

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	36.920	37.160	0.5
High	5795	37.320	37.540	0.5
142	5710	4.090	4.010	0.5





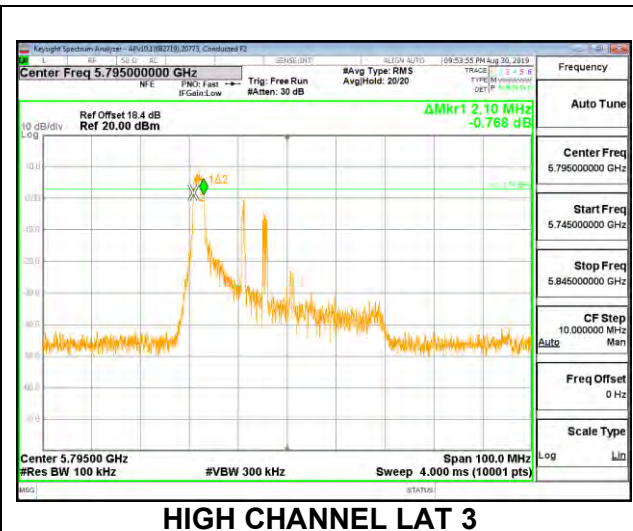
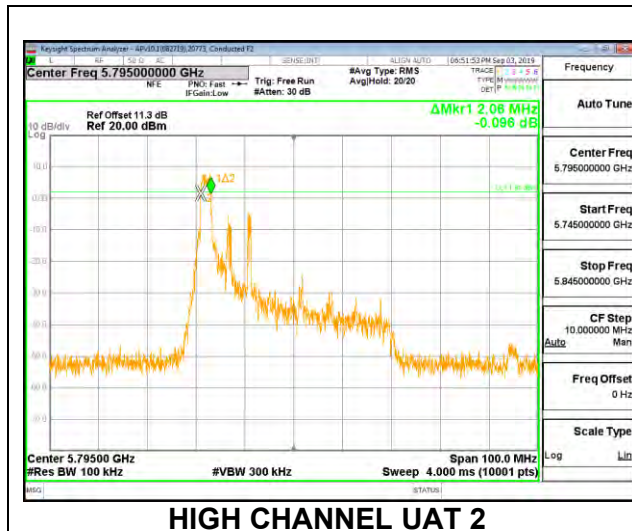
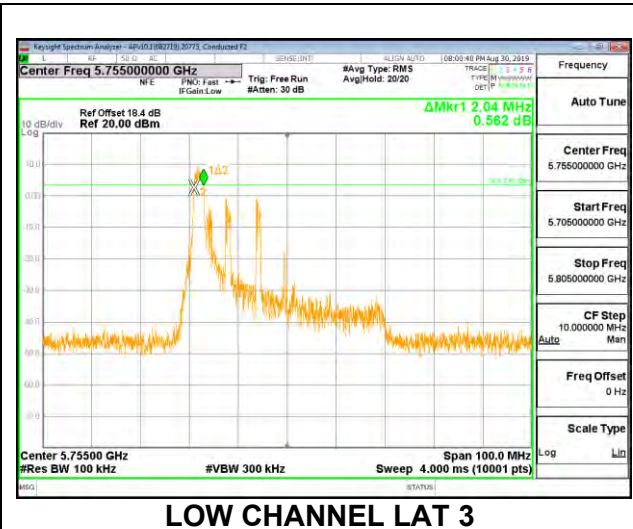
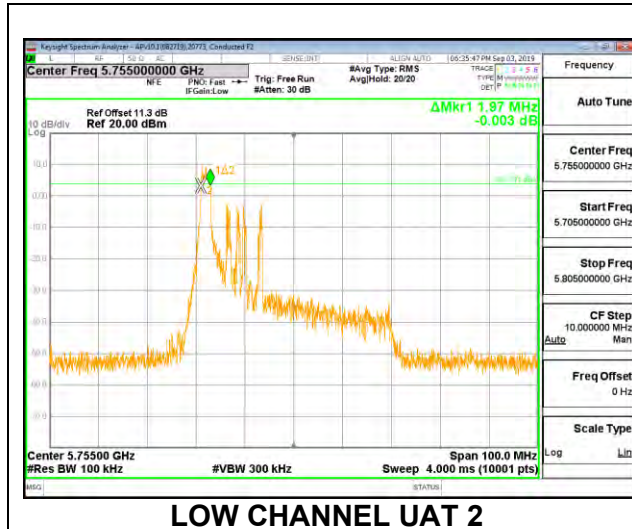
CHANNEL 142 UAT 2



CHANNEL 142 LAT 3

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	1.970	2.040	0.5
High	5795	2.060	2.100	0.5

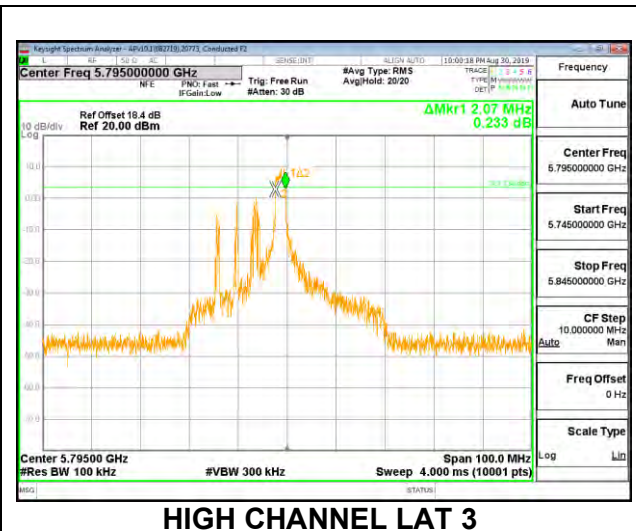
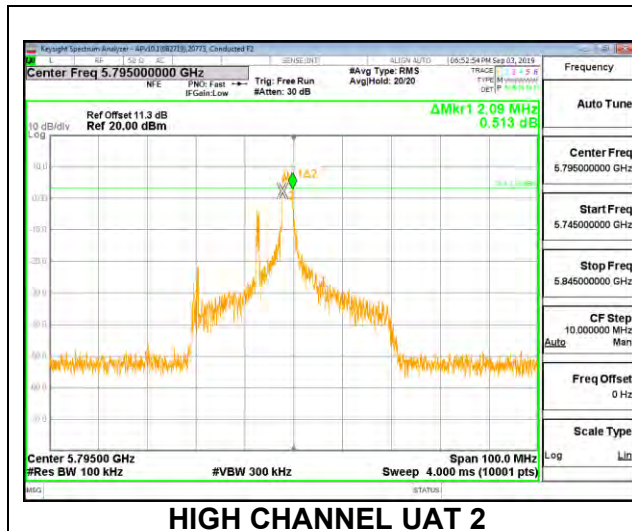
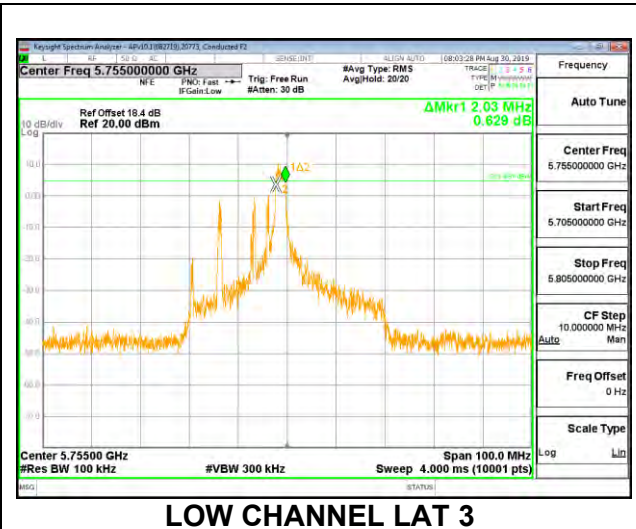
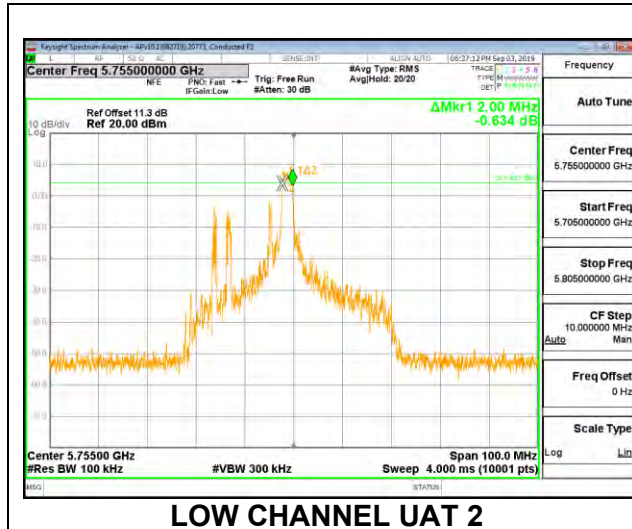


CHANNEL 142 UAT 2
See note on section 8.4

CHANNEL 142 LAT 3
See note on section 8.4

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	2.000	2.030	0.5
High	5795	2.090	2.070	0.5

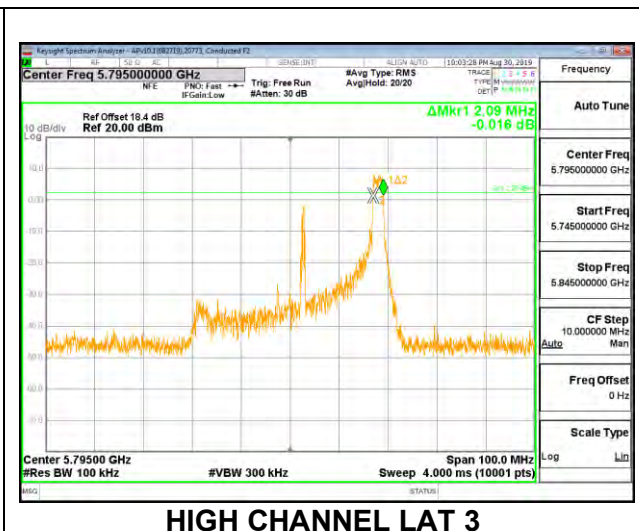
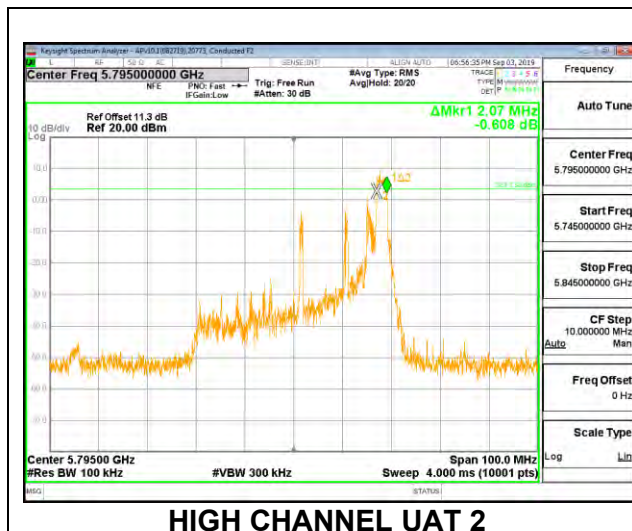
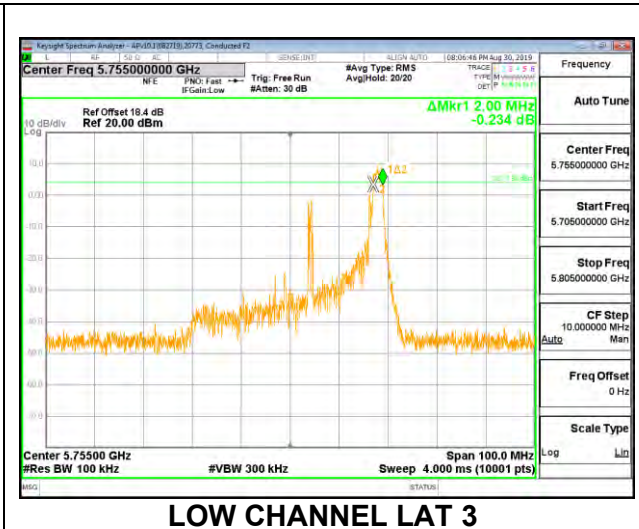
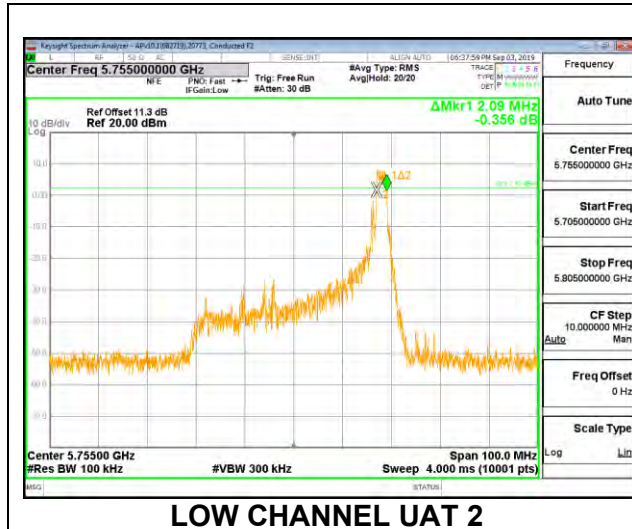


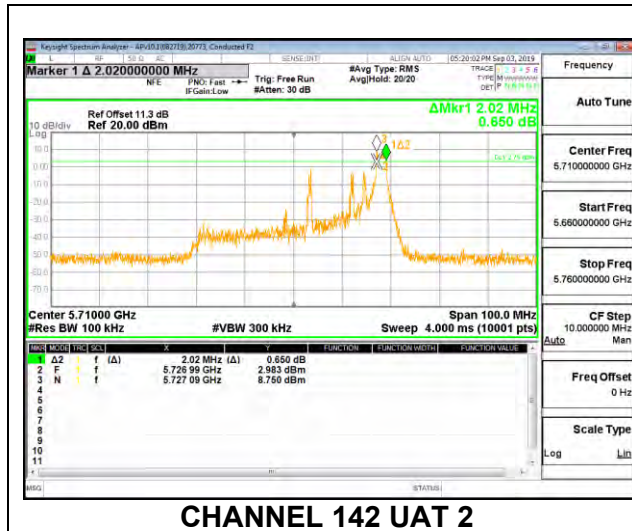
CHANNEL 142 UAT 2
See note on section 8.4

CHANNEL 142 LAT 3
See note on section 8.4

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	2.090	2.000	0.5
High	5795	2.070	2.090	0.5
142	5710	2.020	2.040	0.5





CHANNEL 142 UAT 2

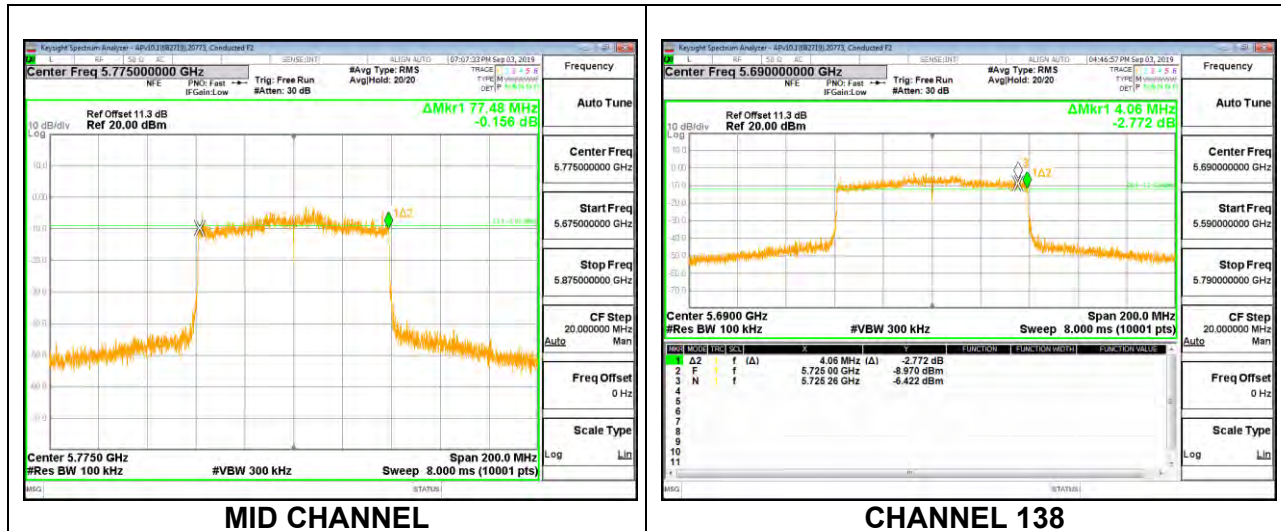


CHANNEL 142 LAT 3

8.4.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

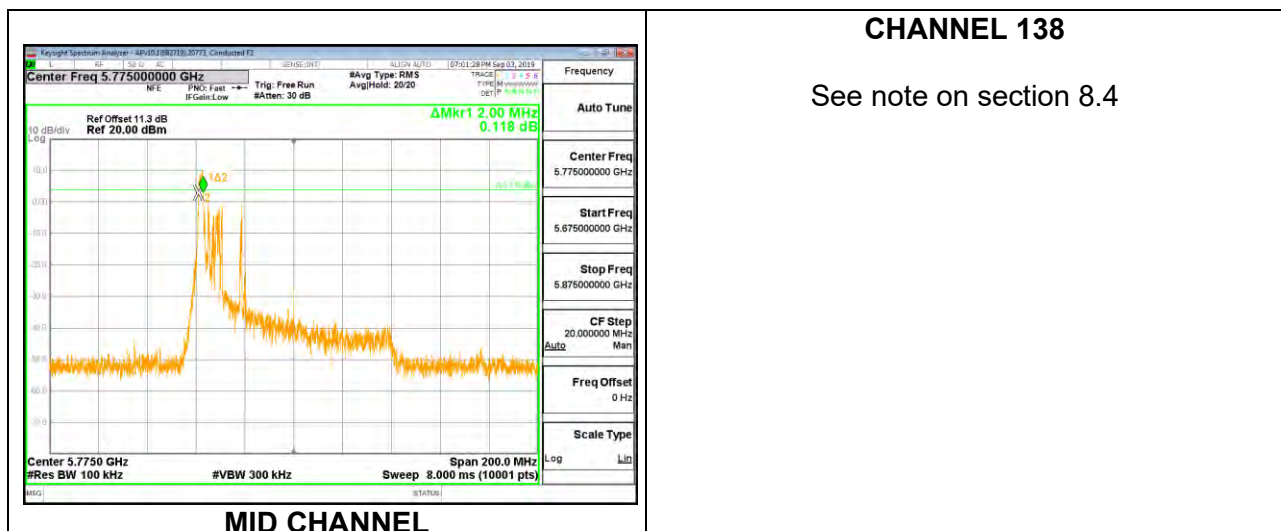
1TX UAT 2 MODE – 996 Tones, RU Index 67

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	77.480	0.5
138	5690	4.060	0.5



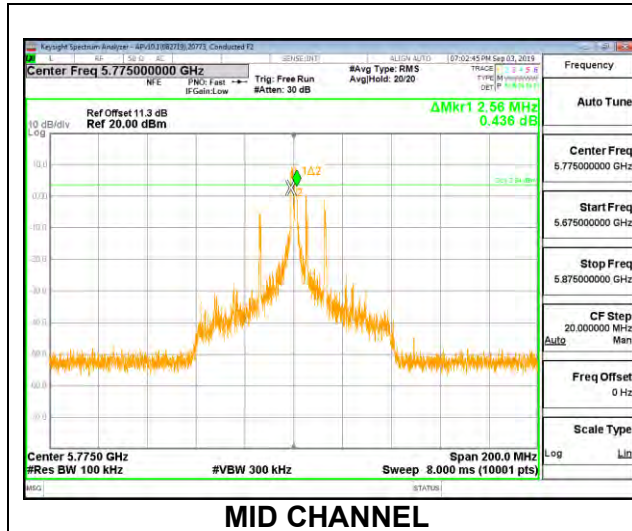
1TX UAT 2 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.000	0.5



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

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.560	0.5

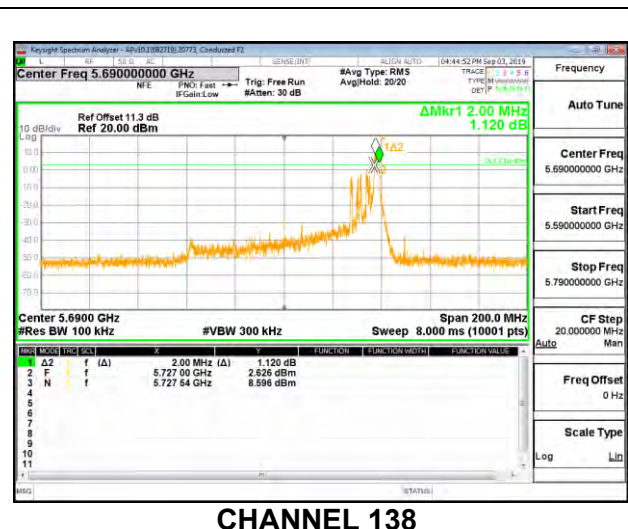
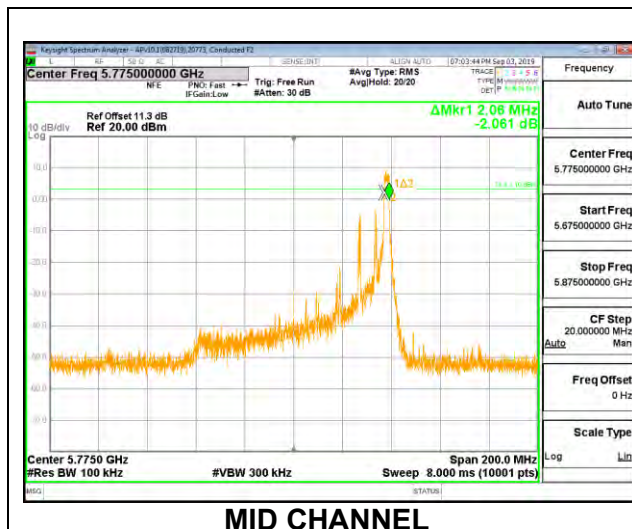


CHANNEL 138

See note on section 8.4

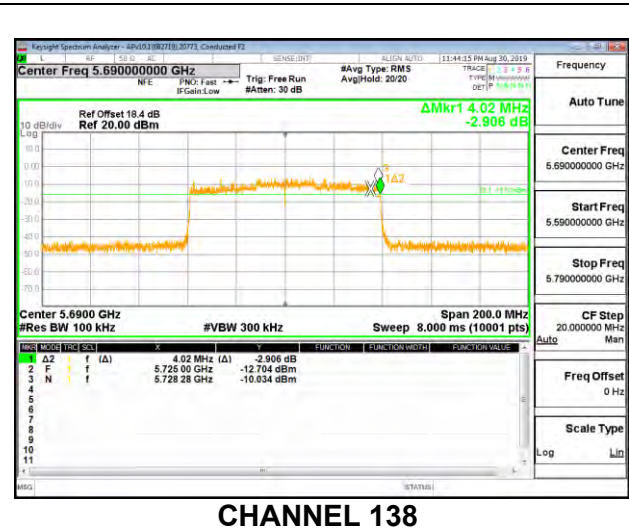
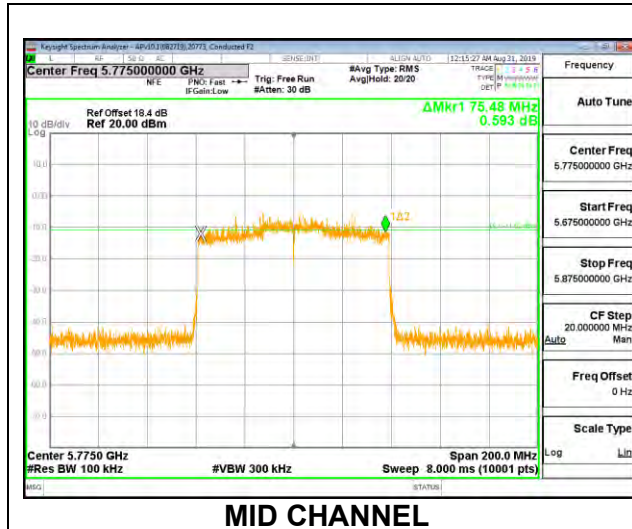
1TX UAT 2 MODE – 26 Tones, RU Index 36

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.060	0.5
138	5690	2.000	0.5



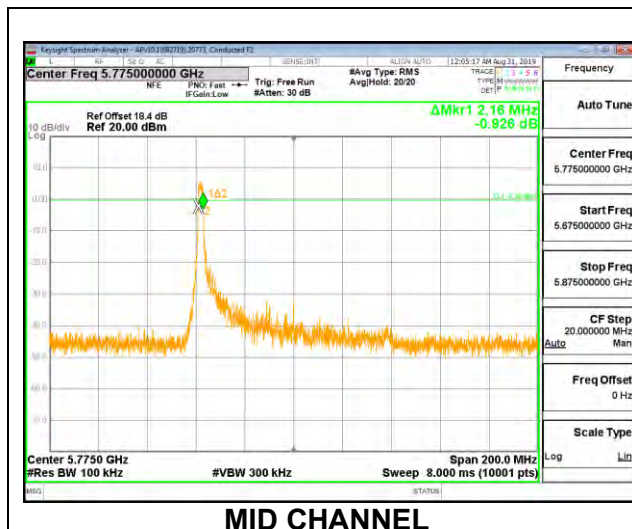
1TX LAT 3 MODE – 996 Tones, RU Index 67

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	75.480	0.5
138	5690	4.020	0.5



1TX LAT 3 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.160	0.5

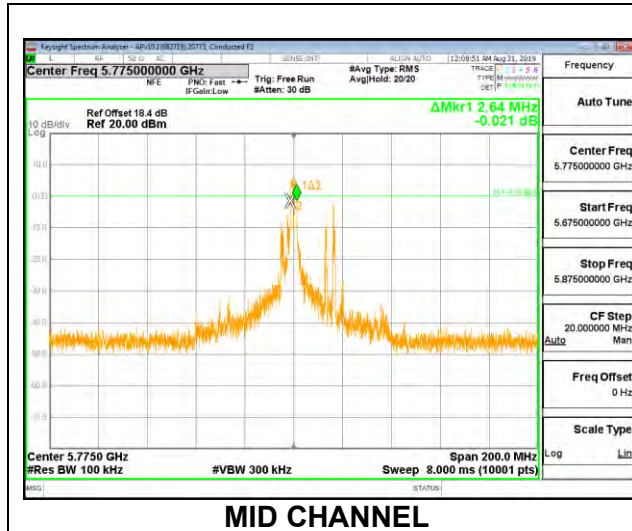


CHANNEL 138

See note on section 8.4

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

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.640	0.5

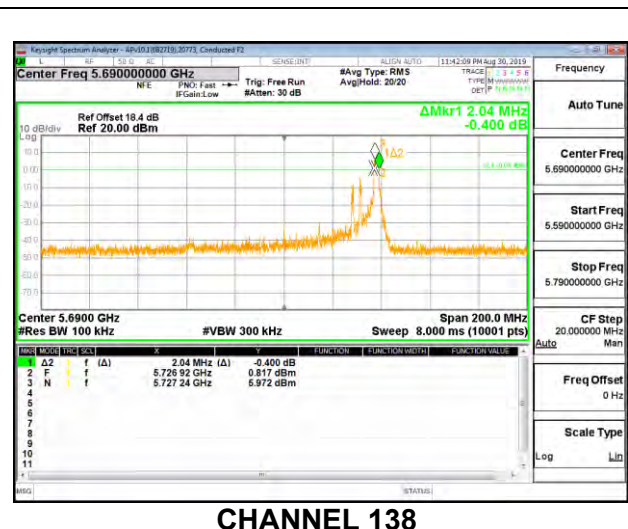
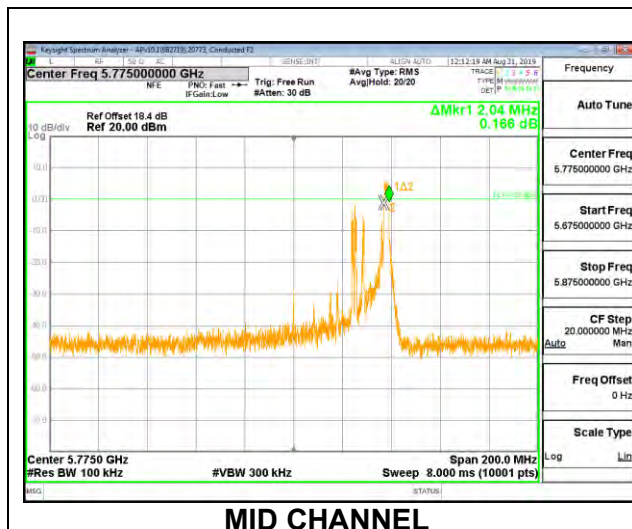


CHANNEL 138

See note on section 8.4

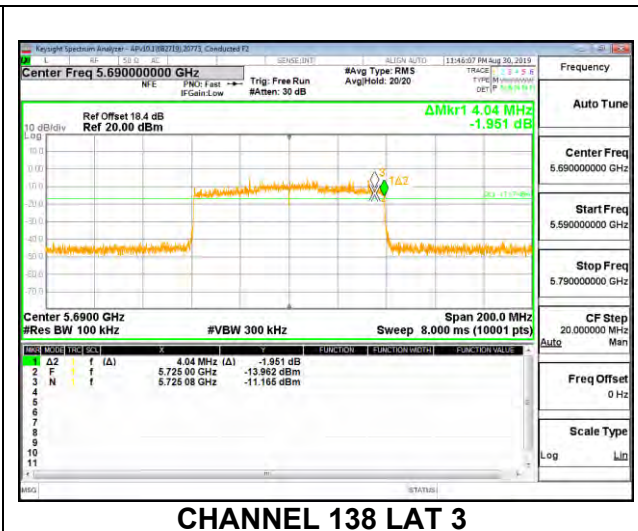
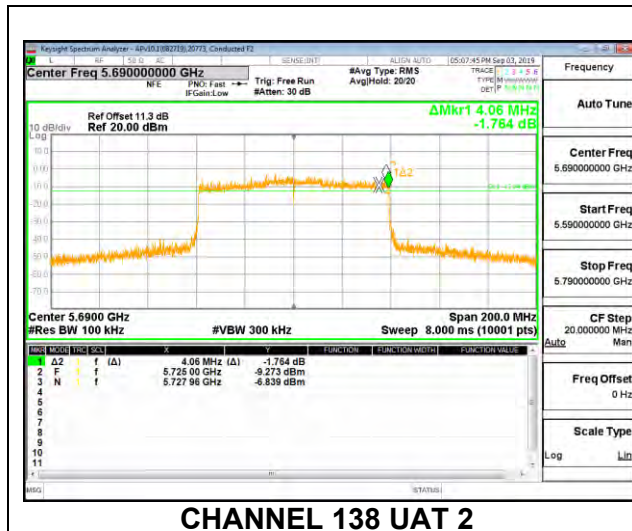
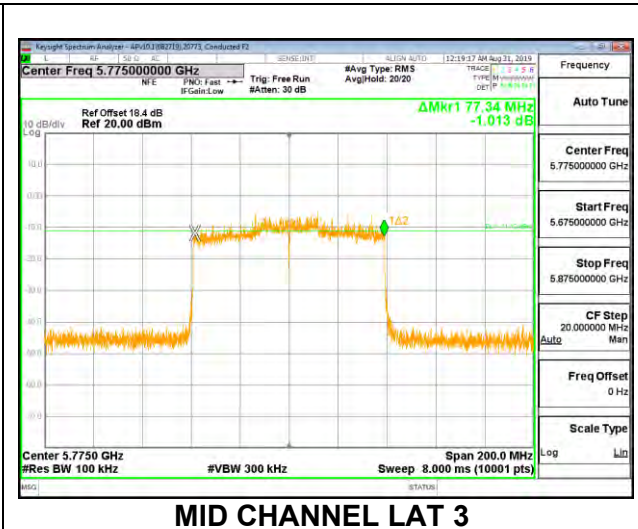
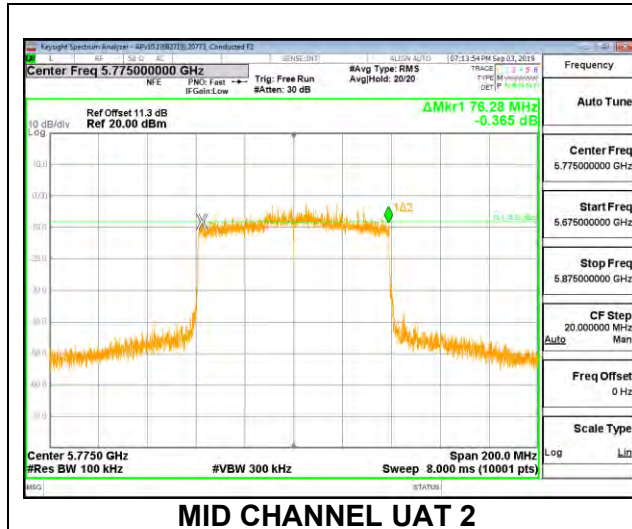
1TX LAT 3 MODE – 26 Tones, RU Index 36

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



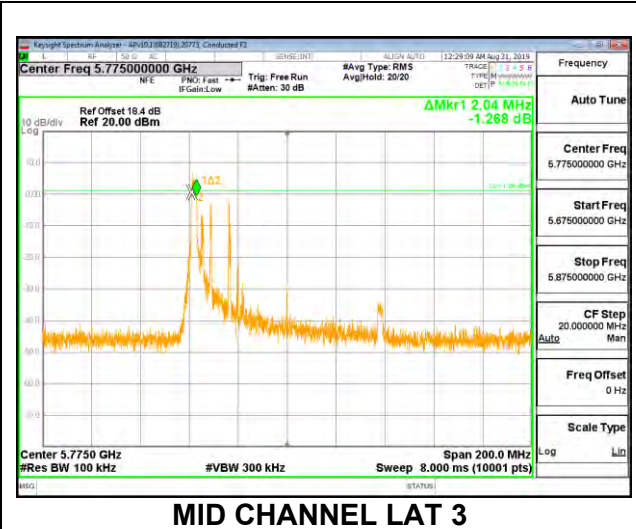
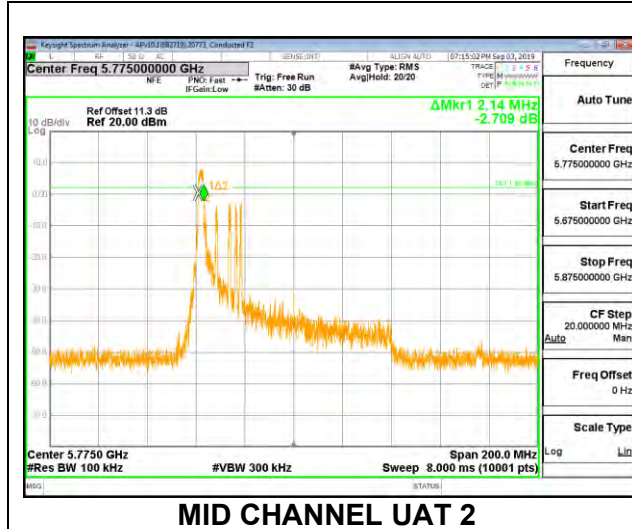
2TX UAT 2 + LAT 3 OFDMA MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	76.280	77.340	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	2.140	2.040	0.5

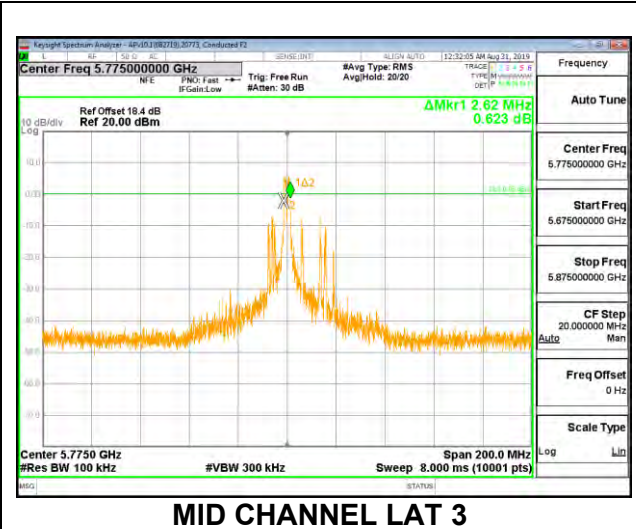
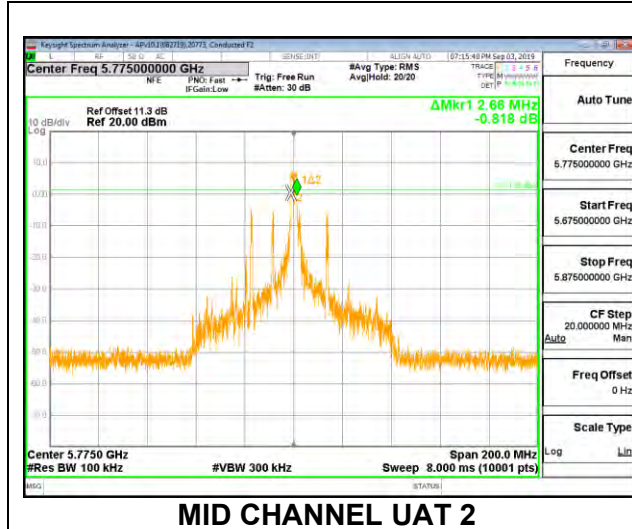


CHANNEL 138 UAT 2
See note on section 8.4

CHANNEL 138 LAT 3
See note on section 8.4

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	2.660	2.620	0.5

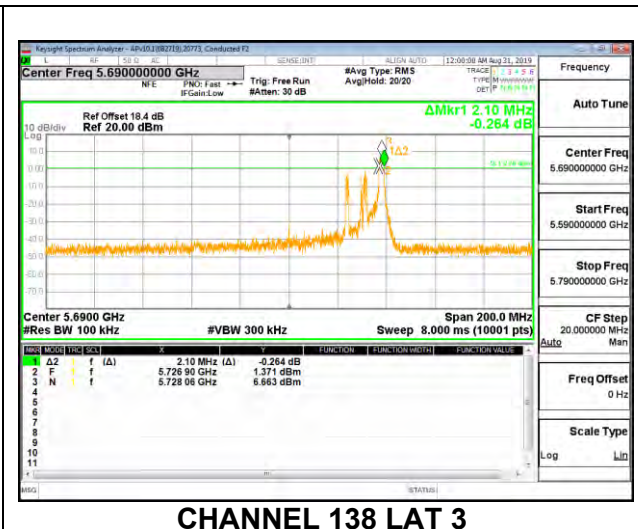
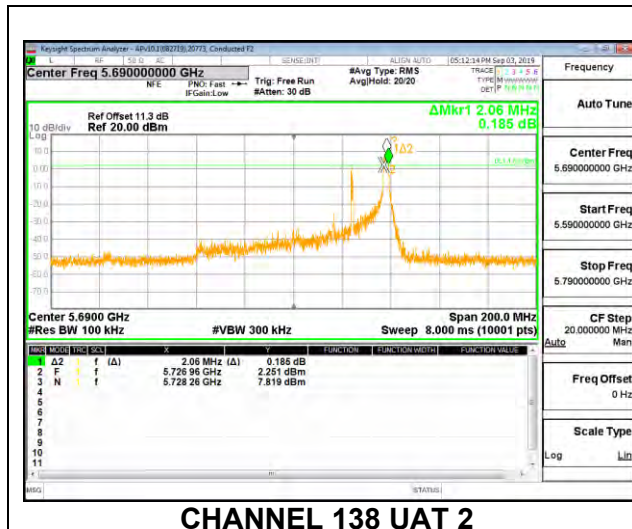
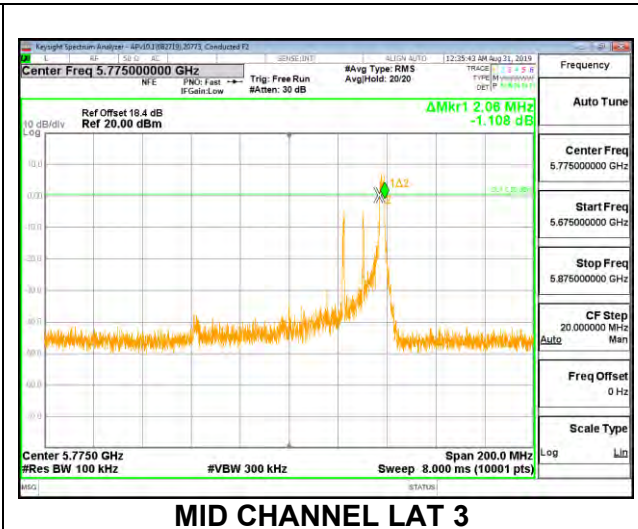
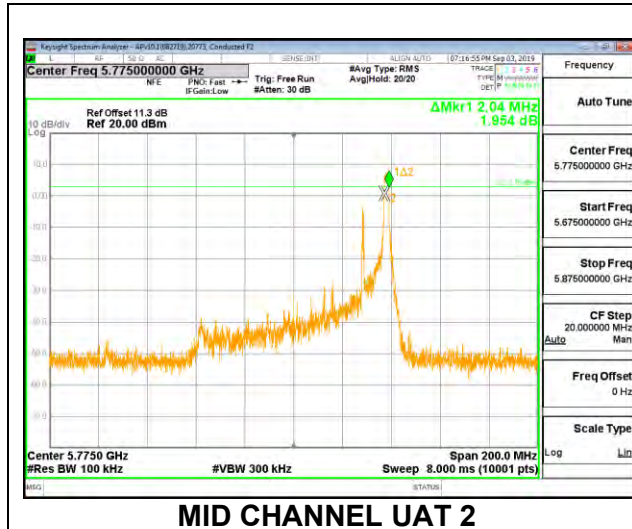


CHANNEL 138 UAT 2
See note on section 8.4

CHANNEL 138 LAT 3
See note on section 8.4

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	2.0400	2.0600	0.5
138	5690	2.0600	2.1000	0.5



8.5. OUTPUT POWER AND PSD

LIMITS

RSS-247

Band 5.15-5.25 GHz

The maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Band 5.25-5.35 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Bands 5.47-5.6 GHz and 5.65-5.725 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Band 5.725-5.85 GHz

The maximum conducted output power shall not exceed 1 W. The 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 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 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= (26dB BW/2)+5
11n HT20 and 11ax HE20 straddle channel 99% bandwidth= (99% 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	-1.30	-3.40	-2.22	0.72
5.3	-0.50	-1.90	-1.14	1.84
5.6	-0.30	-2.30	-1.19	1.77
5.8	-0.20	-1.60	-0.84	2.14

RESULTS

ID:	44353	Date:	1/3/2020
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8.5.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND (IC)

1TX UAT 2 MODE (IC) MOBILE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	17.693	-3.40
Mid	5200	17.596	-3.40
High	5240	17.616	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.48	25.88	24.00	10.00	13.40
Mid	5200	24.00	22.45	25.85	24.00	10.00	13.40
High	5240	24.00	22.46	25.86	24.00	10.00	13.40

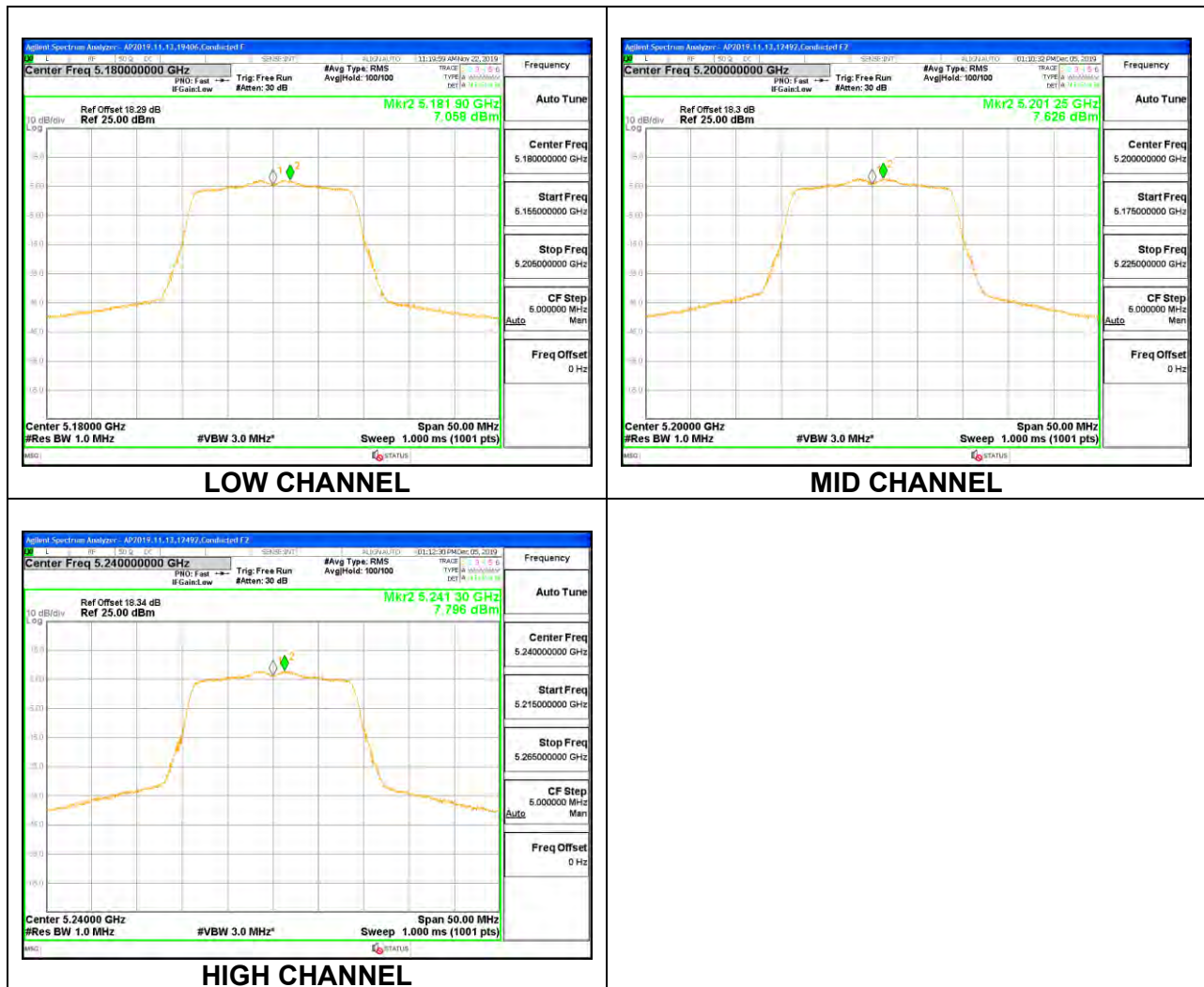
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.39	17.39	24.00	-6.61
Mid	5200	17.40	17.40	24.00	-6.60
High	5240	17.41	17.41	24.00	-6.59

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.058	7.06	13.40	-6.34
Mid	5200	7.626	7.63	13.40	-5.77
High	5240	7.796	7.80	13.40	-5.60



Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	17.656	-1.30
Mid	5200	17.716	-1.30
High	5240	17.672	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.47	23.77	23.77	10.00	11.30
Mid	5200	24.00	22.48	23.78	23.78	10.00	11.30
High	5240	24.00	22.47	23.77	23.77	10.00	11.30

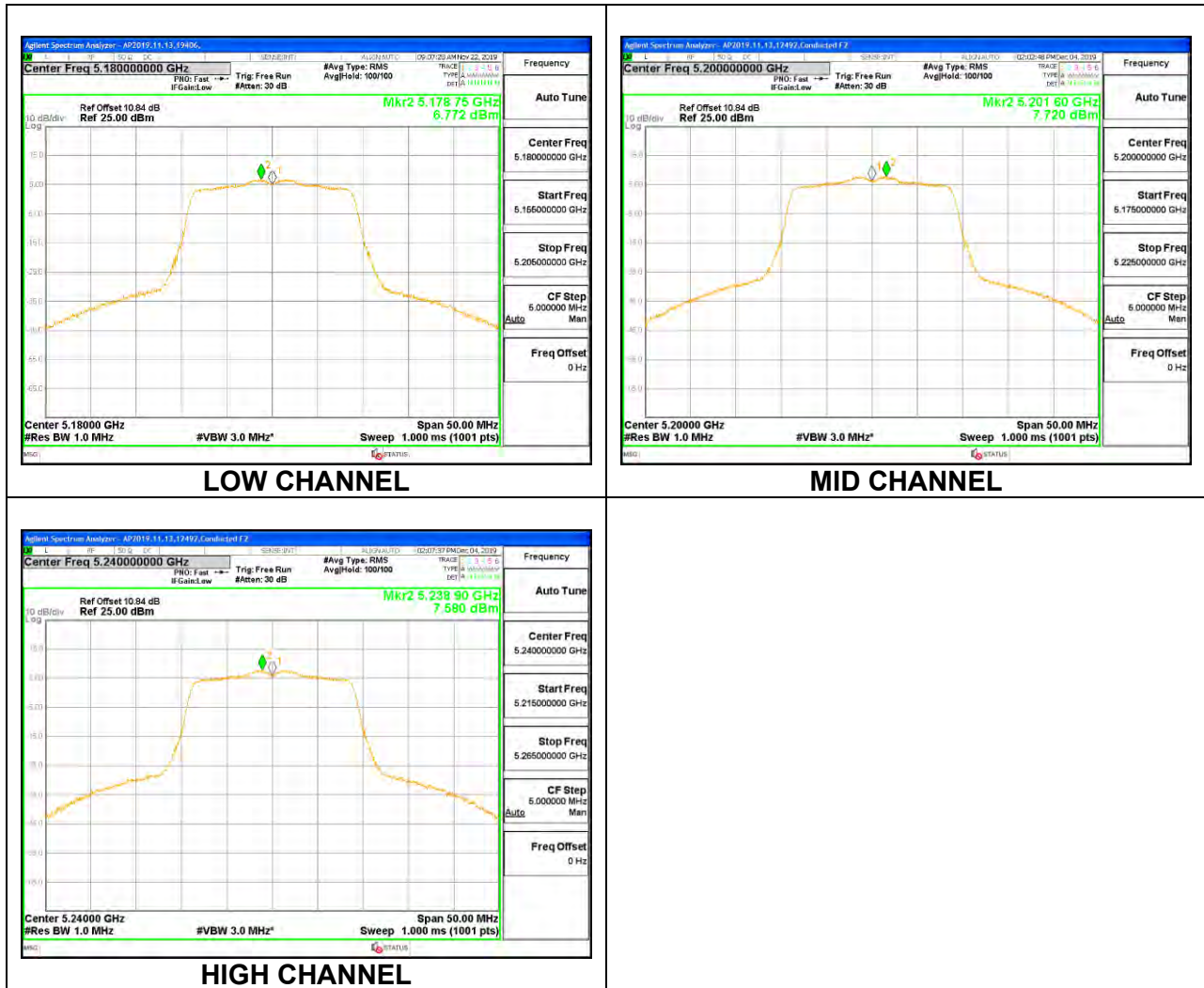
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.45	17.45	23.77	-6.32
Mid	5200	18.44	18.44	23.78	-5.34
High	5240	18.41	18.41	23.77	-5.36

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.772	6.77	11.30	-4.53
Mid	5200	7.720	7.72	11.30	-3.58
High	5240	7.580	7.58	11.30	-3.72



2TX UAT 2 + LAT 3 CDD MODE (IC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	17.7450	-2.22	0.72
Mid	5200	17.6610	-2.22	0.72
High	5240	17.6680	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.49	24.71	24.00	10.00	9.28
Mid	5200	24.00	22.47	24.69	24.00	10.00	9.28
High	5240	24.00	22.47	24.69	24.00	10.00	9.28

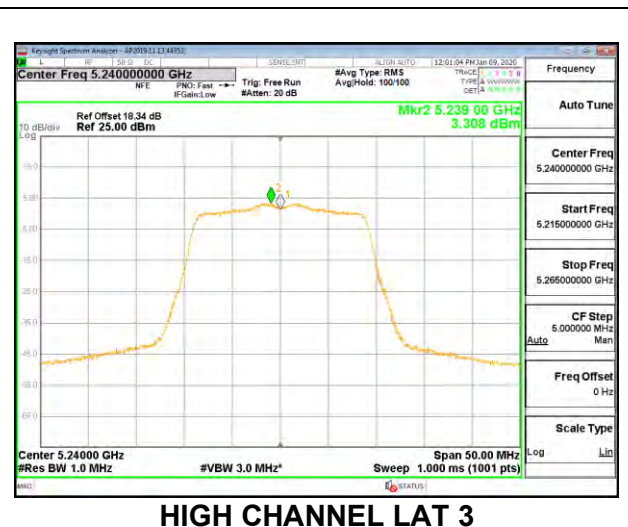
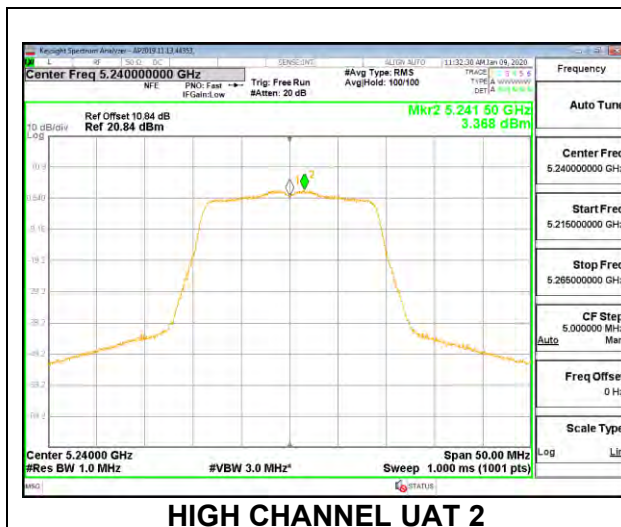
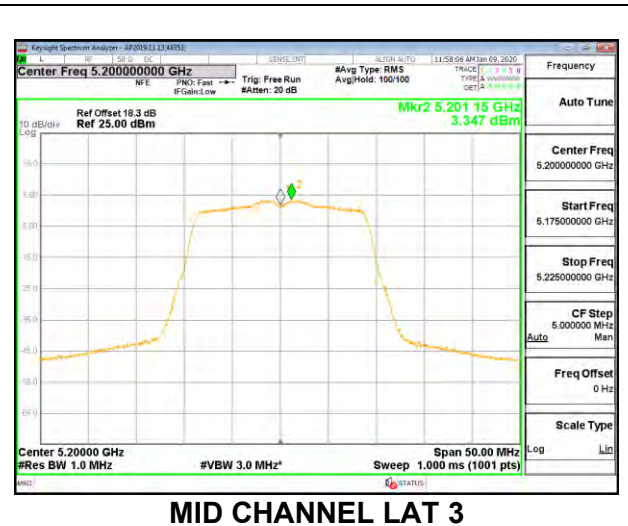
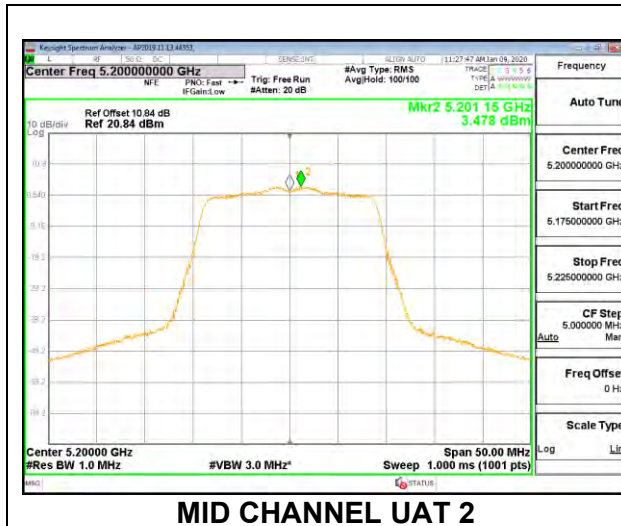
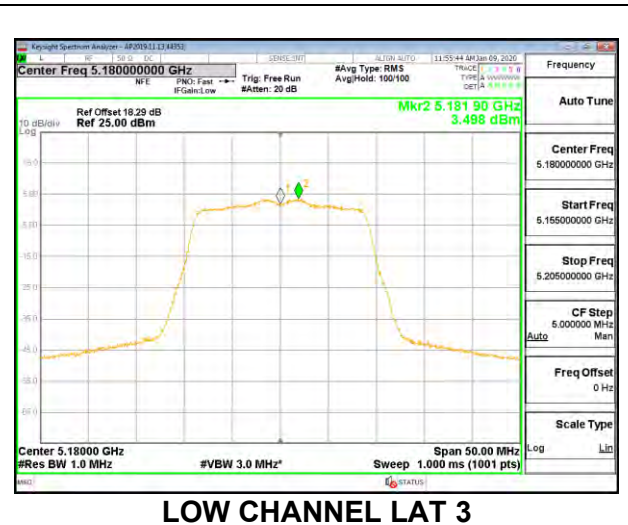
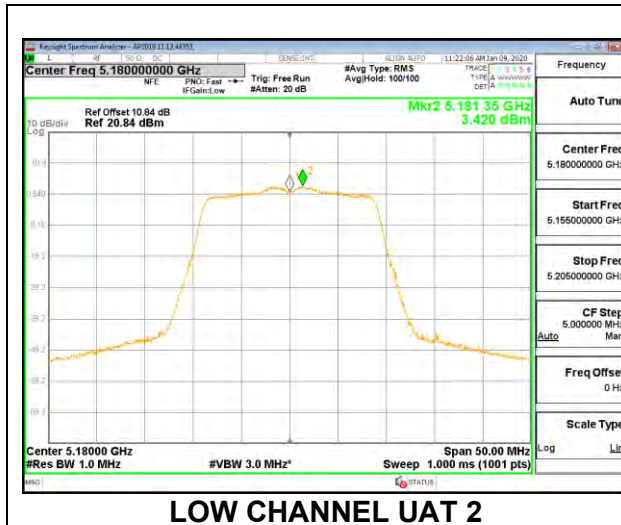
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	13.40	13.48	16.45	24.00	-7.55
Mid	5200	13.42	13.37	16.41	24.00	-7.59
High	5240	13.38	13.29	16.35	24.00	-7.65

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	3.420	3.498	6.47	9.28	-2.81
Mid	5200	3.478	3.347	6.42	9.28	-2.86
High	5240	3.368	3.308	6.35	9.28	-2.93



8.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND (IC)

1TX UAT 2 MODE (IC) MOBILE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	36.211	-3.40
High	5230	36.094	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	26.40	24.00	10.00	13.40
High	5230	24.00	23.00	26.40	24.00	10.00	13.40

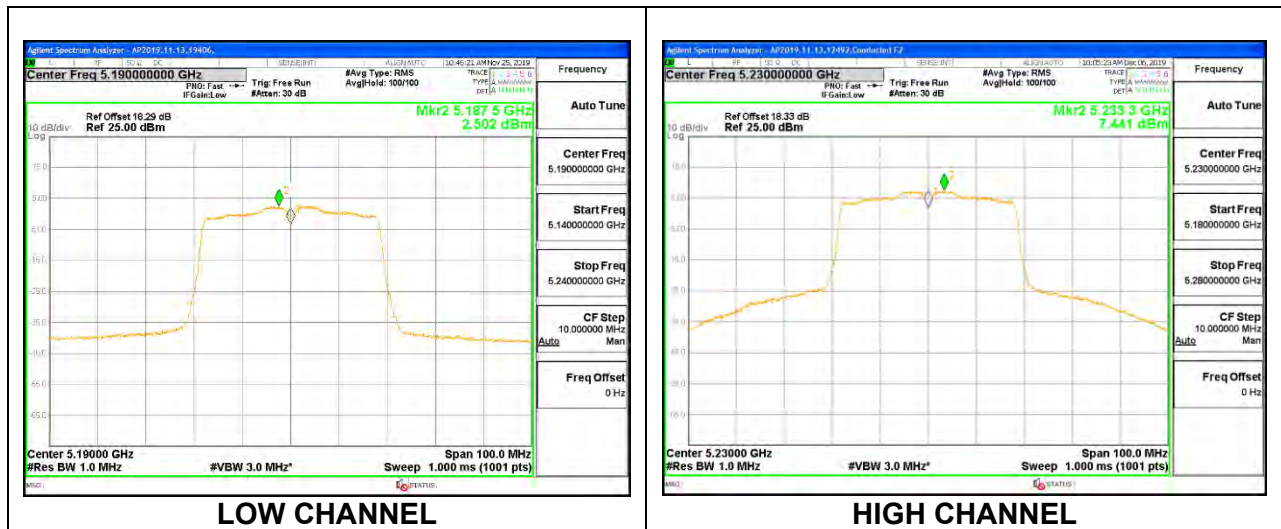
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.42	15.42	24.00	-8.58
High	5230	17.47	17.47	24.00	-6.53

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.502	2.59	13.40	-10.81
High	5230	7.441	7.53	13.40	-5.87



Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	36.325	-1.30
High	5230	36.042	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	24.30	24.00	10.00	11.30
High	5230	24.00	23.00	24.30	24.00	10.00	11.30

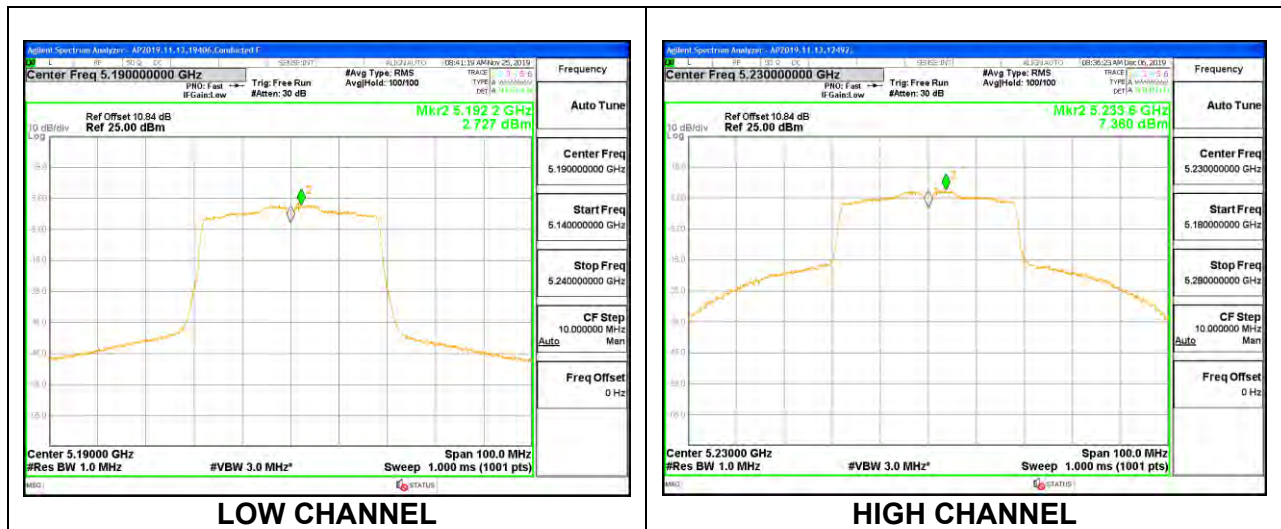
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.32	15.32	24.00	-8.68
High	5230	20.91	20.91	24.00	-3.09

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.727	2.82	11.30	-8.48
High	5230	7.360	7.45	11.30	-3.85



2TX UAT 2 + LAT 3 CDD MODE (IC) MOBILE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5190	36.006	-2.22	0.72
High	5230	36.328	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	25.22	24.00	10.00	9.28
High	5230	24.00	23.00	25.22	24.00	10.00	9.28

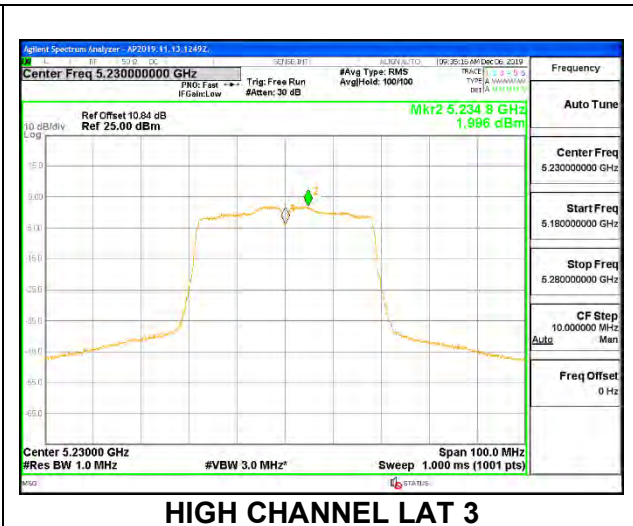
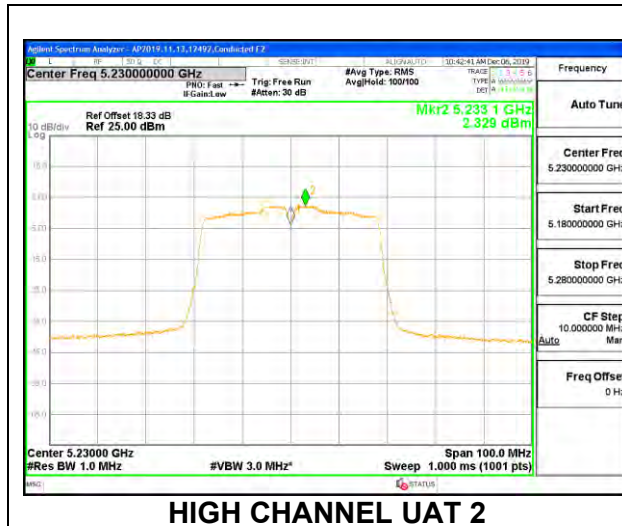
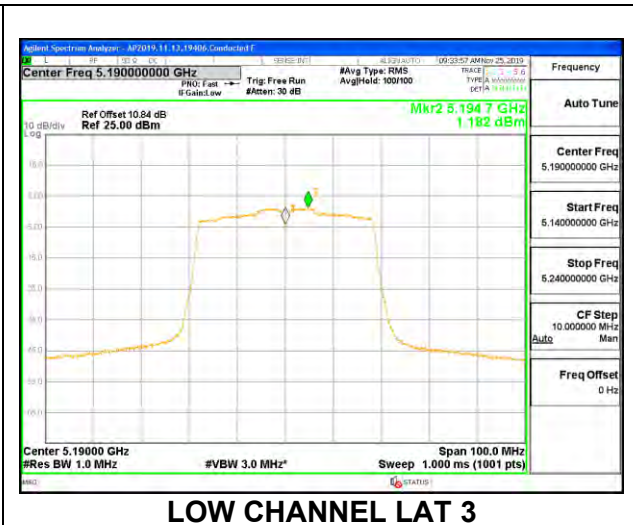
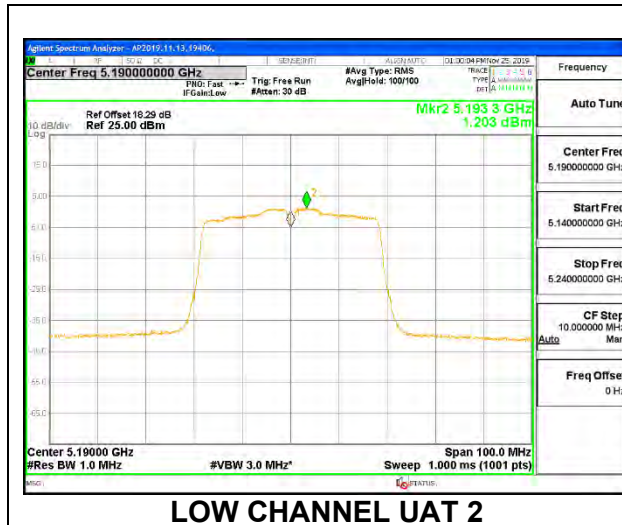
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	14.42	14.38	17.41	24.00	-6.59
High	5230	15.98	15.87	18.94	24.00	-5.06

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	1.203	1.182	4.29	9.28	-4.99
High	5230	2.329	1.996	5.27	9.28	-4.01



8.5.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND (IC)

1TX UAT 2 MODE (IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Mid	5210	75.937	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	30.00	23.00	26.40	26.40	10.00	13.40

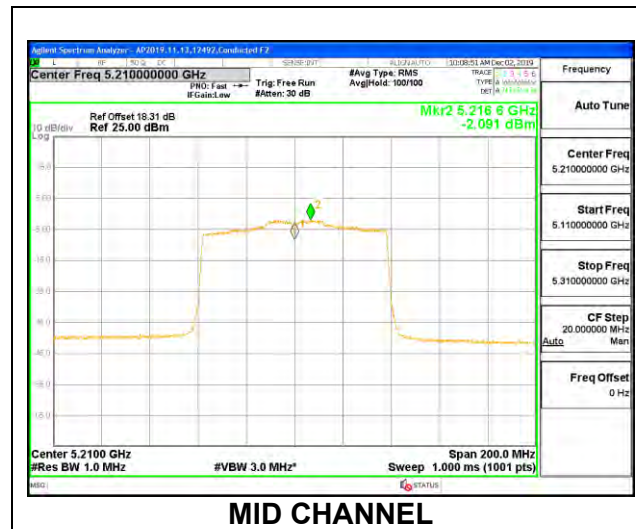
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.34	14.34	26.40	-12.06

PPSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-2.091	-1.90	13.40	-15.30



1TX LAT 3 MODE (IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Mid	5210	75.473	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	30.00	23.00	24.30	24.30	10.00	11.30

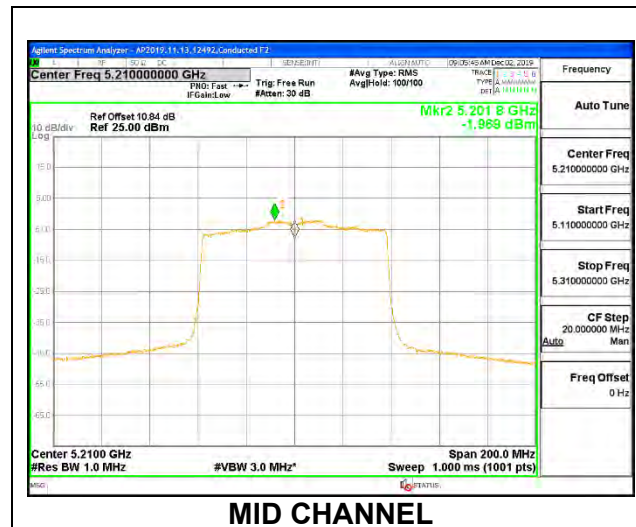
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.36	14.36	24.30	-9.94

PPSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-1.969	-1.78	11.30	-13.08



2TX UAT 2 + LAT 3 CDD MODE (IC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5210	75.594	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	24.00	23.00	25.22	24.00	10.00	9.28

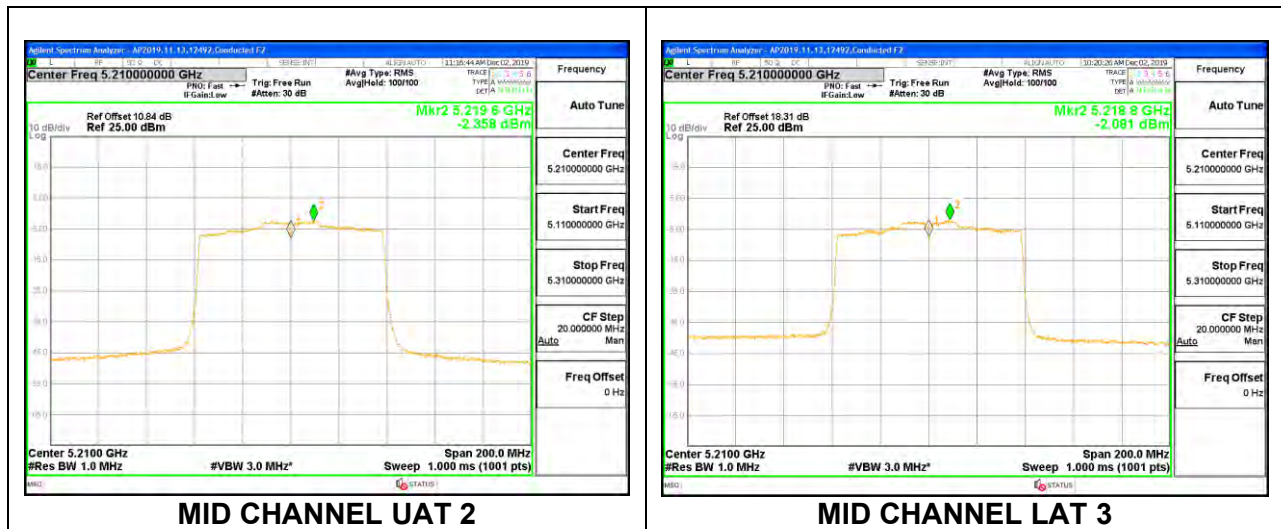
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.78	13.91	16.86	24.00	-7.14

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-2.358	-2.081	0.98	9.28	-8.30



8.5.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND (IC)

1TX UAT 2 MODE (IC) MOBILE – 242 Tones, RU Index 61

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	18.872	-3.40
Mid	5200	18.974	-3.40
High	5240	18.829	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.76	26.16	24.00	10.00	13.40
Mid	5200	24.00	22.78	26.18	24.00	10.00	13.40
High	5240	24.00	22.75	26.15	24.00	10.00	13.40

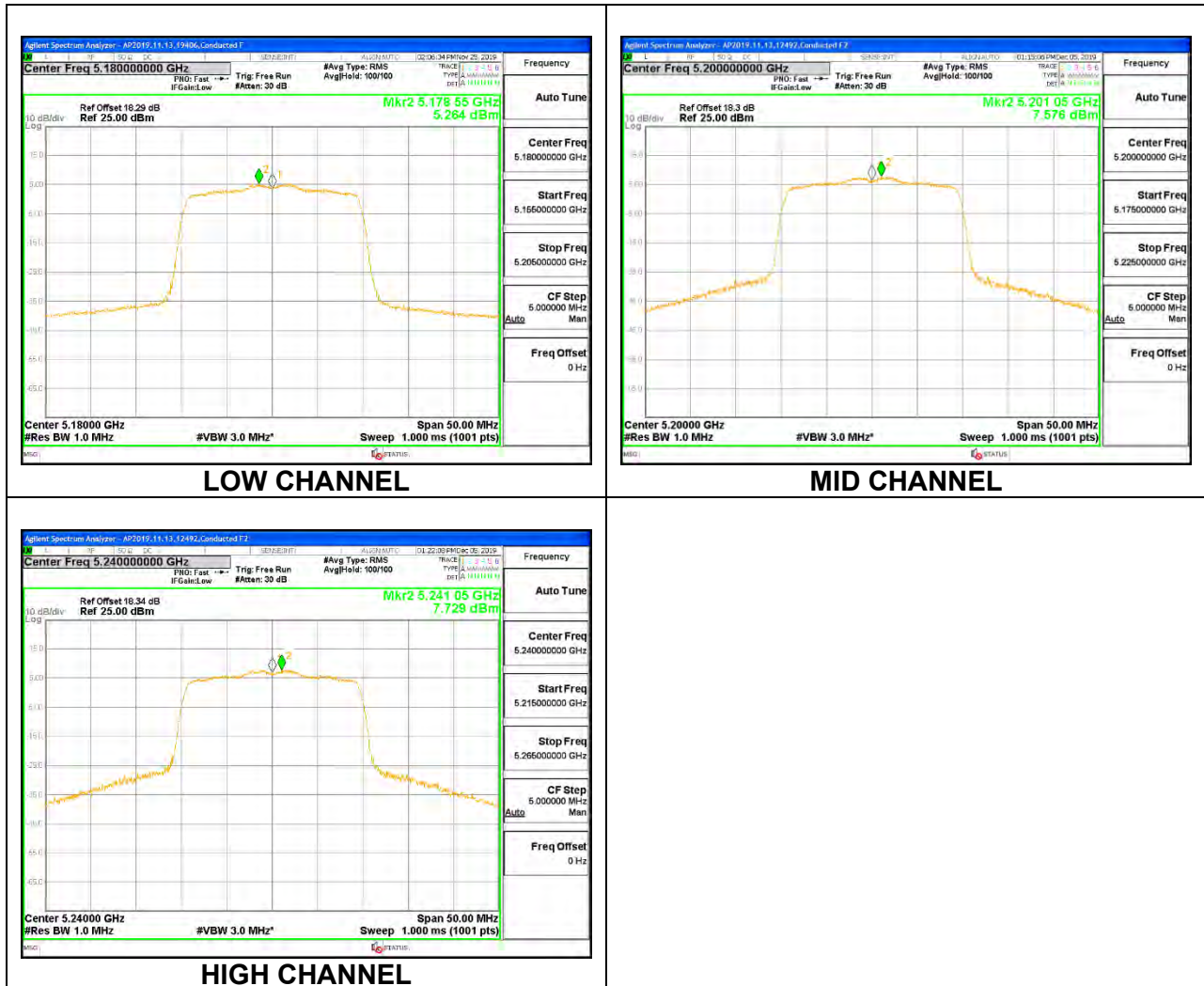
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	15.76	15.76	24.00	-8.24
Mid	5200	17.41	17.41	24.00	-6.59
High	5240	17.44	17.44	24.00	-6.56

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	5.26	5.26	13.40	-8.14
Mid	5200	7.58	7.58	13.40	-5.82
High	5240	7.73	7.73	13.40	-5.67



1TX UAT 2 MODE (IC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	18.483	-3.40
Mid	5200	18.537	-3.40
High	5240	18.248	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.67	26.07	24.00	10.00	13.40
Mid	5200	24.00	22.68	26.08	24.00	10.00	13.40
High	5240	24.00	22.61	26.01	24.00	10.00	13.40

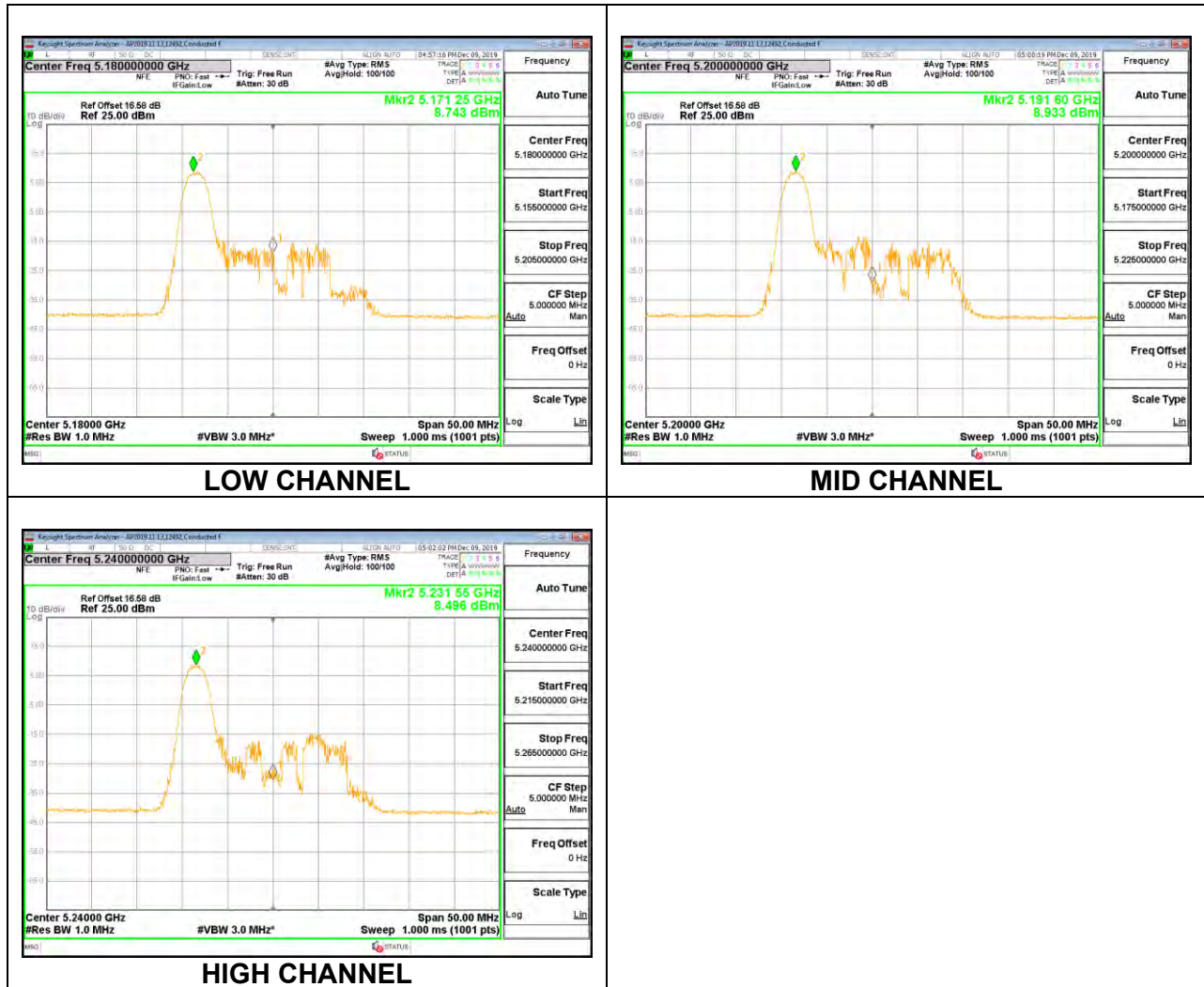
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.82	10.82	24.00	-13.18
Mid	5200	10.96	10.96	24.00	-13.04
High	5240	10.77	10.77	24.00	-13.23

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.74	8.74	13.40	-4.66
Mid	5200	8.93	8.93	13.40	-4.47
High	5240	8.50	8.50	13.40	-4.90



1TX UAT 2 MODE (IC) MOBILE – 26 Tones, RU Index 4**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	17.375	-3.40
Mid	5200	17.320	-3.40
High	5240	17.278	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.40	25.80	24.00	10.00	13.40
Mid	5200	24.00	22.39	25.79	24.00	10.00	13.40
High	5240	24.00	22.37	25.77	24.00	10.00	13.40

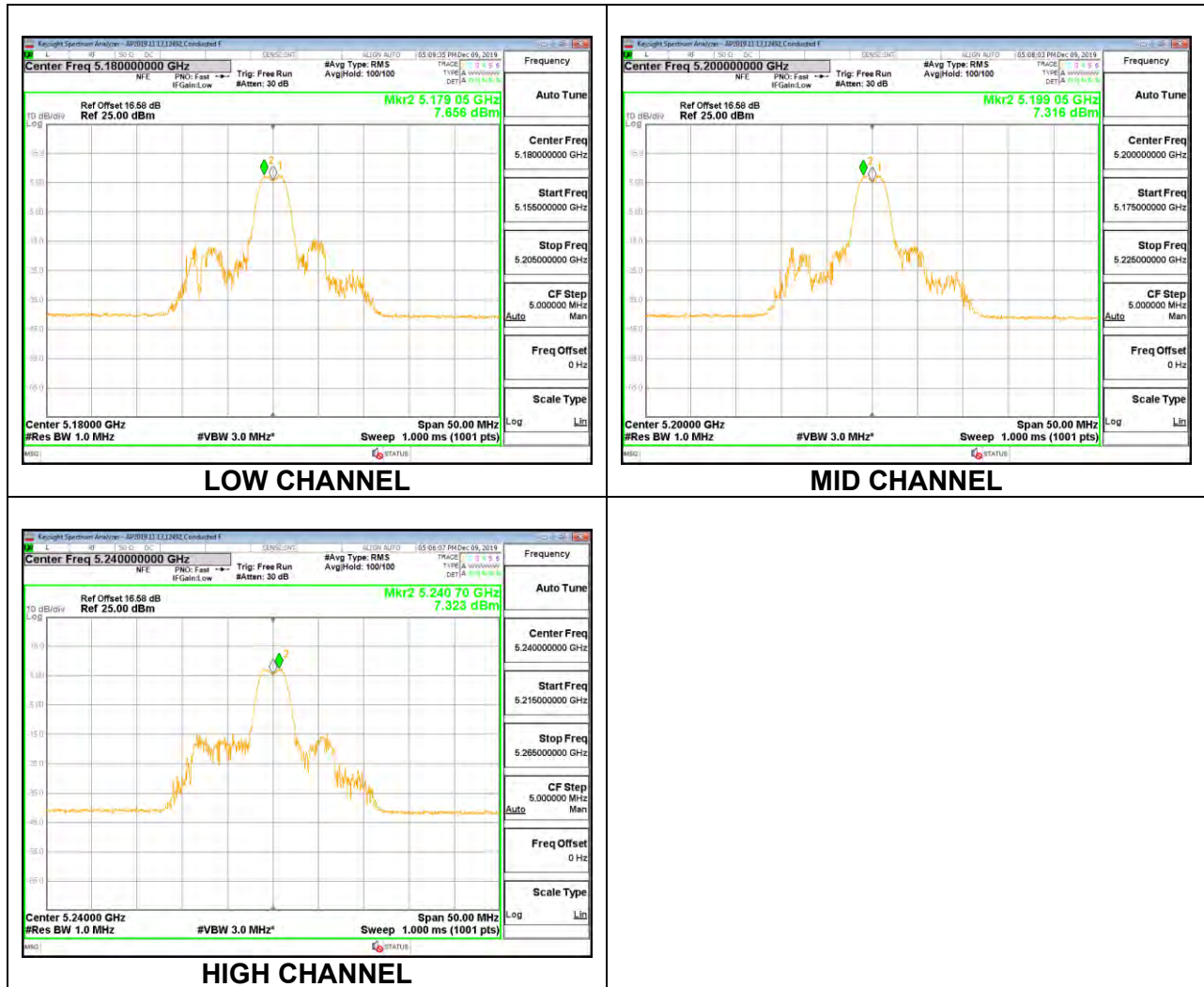
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.92	10.92	24.00	-13.08
Mid	5200	10.76	10.76	24.00	-13.24
High	5240	10.80	10.80	24.00	-13.20

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.66	7.66	13.40	-5.74
Mid	5200	7.32	7.32	13.40	-6.08
High	5240	7.32	7.32	13.40	-6.08



1TX UAT 2 MODE (IC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	18.616	-3.40
Mid	5200	18.667	-3.40
High	5240	18.679	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.70	26.10	24.00	10.00	13.40
Mid	5200	24.00	22.71	26.11	24.00	10.00	13.40
High	5240	24.00	22.71	26.11	24.00	10.00	13.40

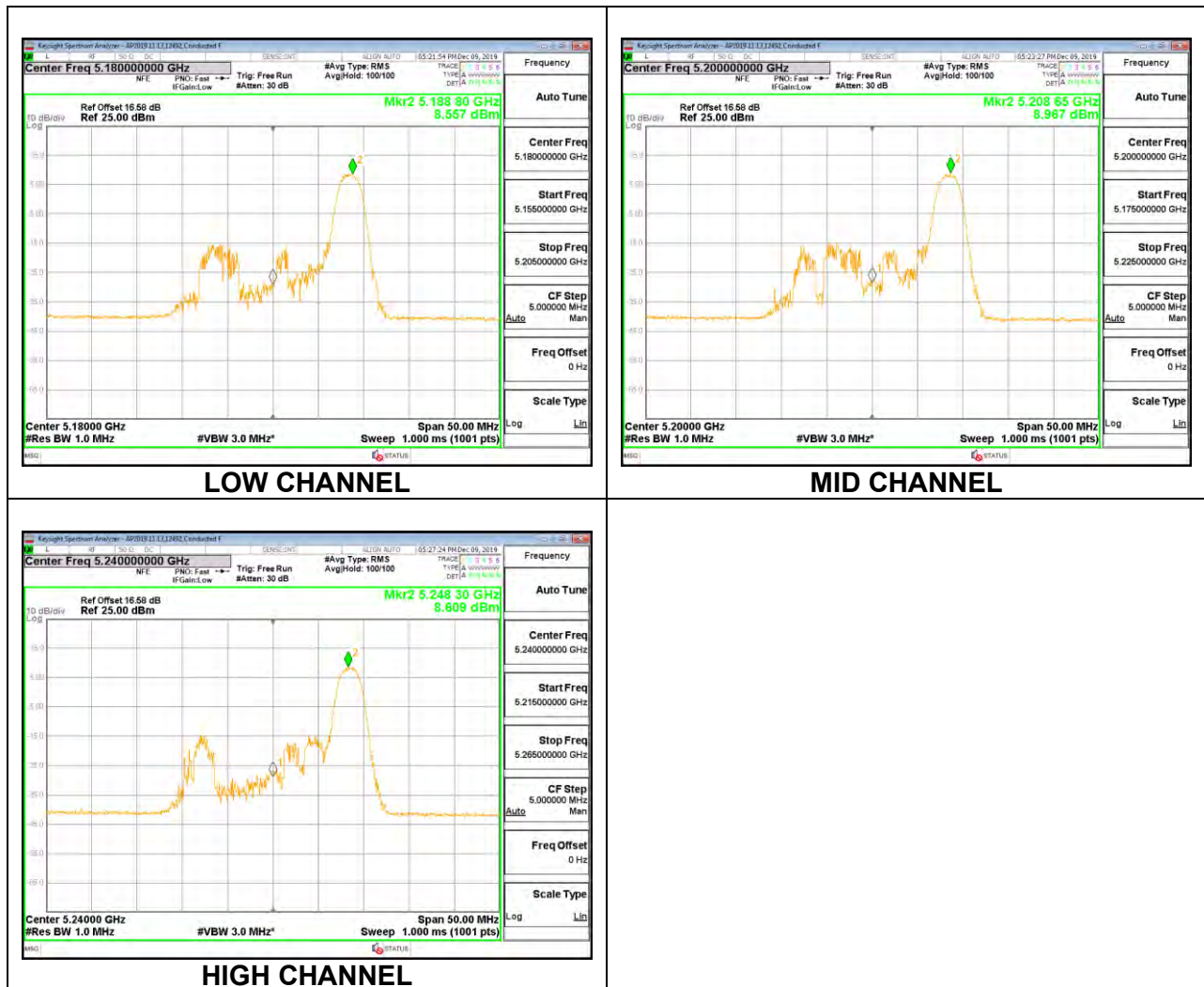
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.79	10.79	24.00	-13.21
Mid	5200	10.97	10.97	24.00	-13.03
High	5240	10.82	10.82	24.00	-13.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.56	8.56	13.40	-4.84
Mid	5200	8.97	8.97	13.40	-4.43
High	5240	8.61	8.61	13.40	-4.79



1TX LAT 3 MODE (IC) MOBILE – 242 Tones, RU Index 61**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	18.950	-1.30
Mid	5200	18.891	-1.30
High	5240	18.752	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.78	24.08	24.00	10.00	11.30
Mid	5200	24.00	22.76	24.06	24.00	10.00	11.30
High	5240	24.00	22.73	24.03	24.00	10.00	11.30

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	15.89	15.89	24.00	-8.11
Mid	5200	18.36	18.36	24.00	-5.64
High	5240	18.41	18.41	24.00	-5.59

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.050	6.05	11.30	-5.25
Mid	5200	7.445	7.45	11.30	-3.86
High	5240	7.653	7.65	11.30	-3.65



1TX LAT 3 MODE (IC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	18.557	-1.30
Mid	5200	18.451	-1.30
High	5240	18.385	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.69	23.99	23.99	10.00	11.30
Mid	5200	24.00	22.66	23.96	23.96	10.00	11.30
High	5240	24.00	22.64	23.94	23.94	10.00	11.30

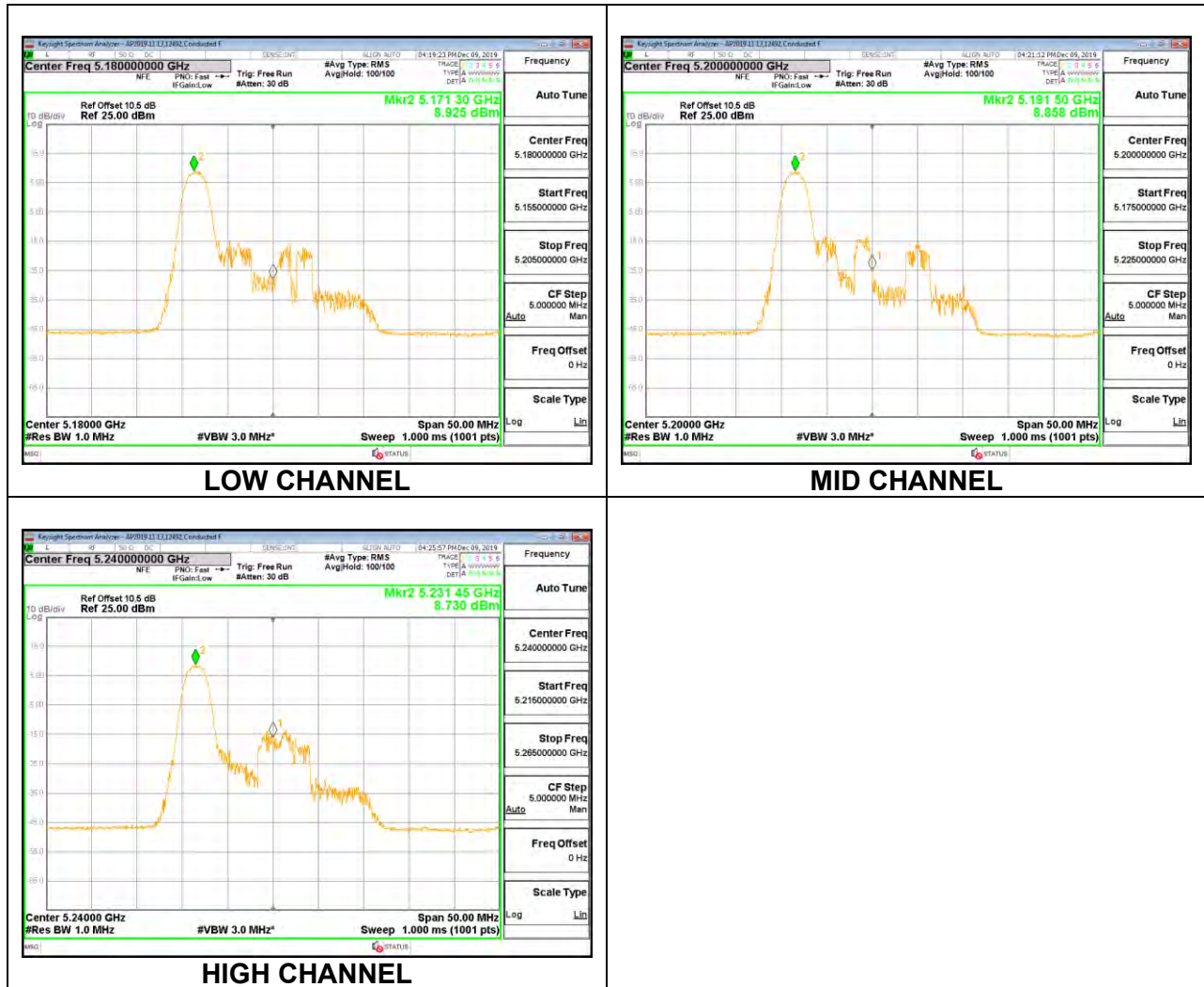
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.96	10.96	23.99	-13.03
Mid	5200	10.91	10.91	23.96	-13.05
High	5240	10.87	10.87	23.94	-13.07

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.93	8.93	11.30	-2.38
Mid	5200	8.86	8.86	11.30	-2.44
High	5240	8.73	8.73	11.30	-2.57



1TX LAT 3 MODE (IC) MOBILE – 26 Tones, RU Index 4**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	17.346	-1.30
Mid	5200	17.181	-1.30
High	5240	17.491	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.39	23.69	23.69	10.00	11.30
Mid	5200	24.00	22.35	23.65	23.65	10.00	11.30
High	5240	24.00	22.43	23.73	23.73	10.00	11.30

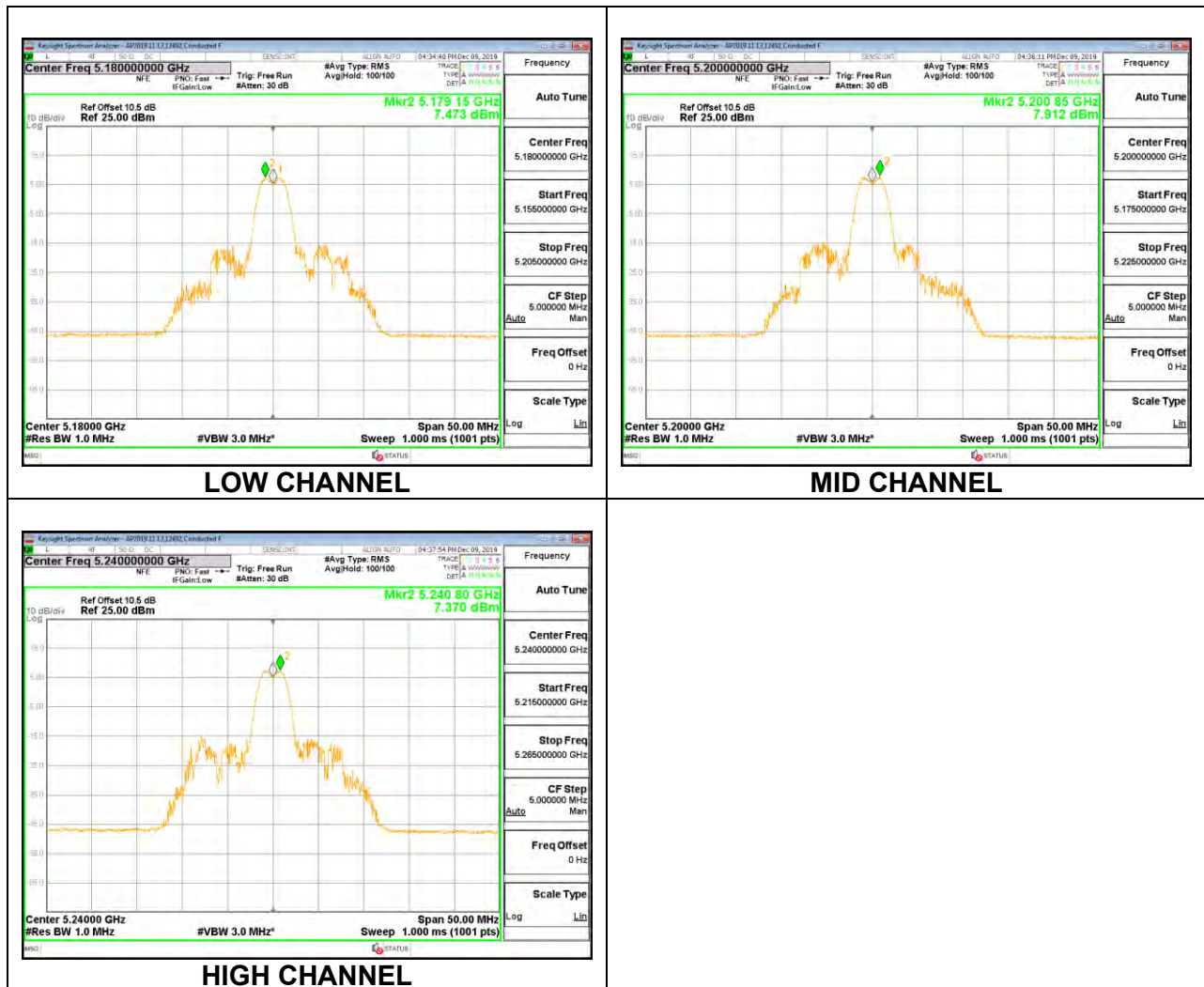
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.83	10.83	23.69	-12.86
Mid	5200	10.89	10.89	23.65	-12.76
High	5240	10.75	10.75	23.73	-12.98

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.47	7.47	11.30	-3.83
Mid	5200	7.91	7.91	11.30	-3.39
High	5240	7.37	7.37	11.30	-3.93



1TX LAT 3 MODE (IC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	18.564	-1.30
Mid	5200	18.697	-1.30
High	5240	18.655	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.69	23.99	23.99	10.00	11.30
Mid	5200	24.00	22.72	24.02	24.00	10.00	11.30
High	5240	24.00	22.71	24.01	24.00	10.00	11.30

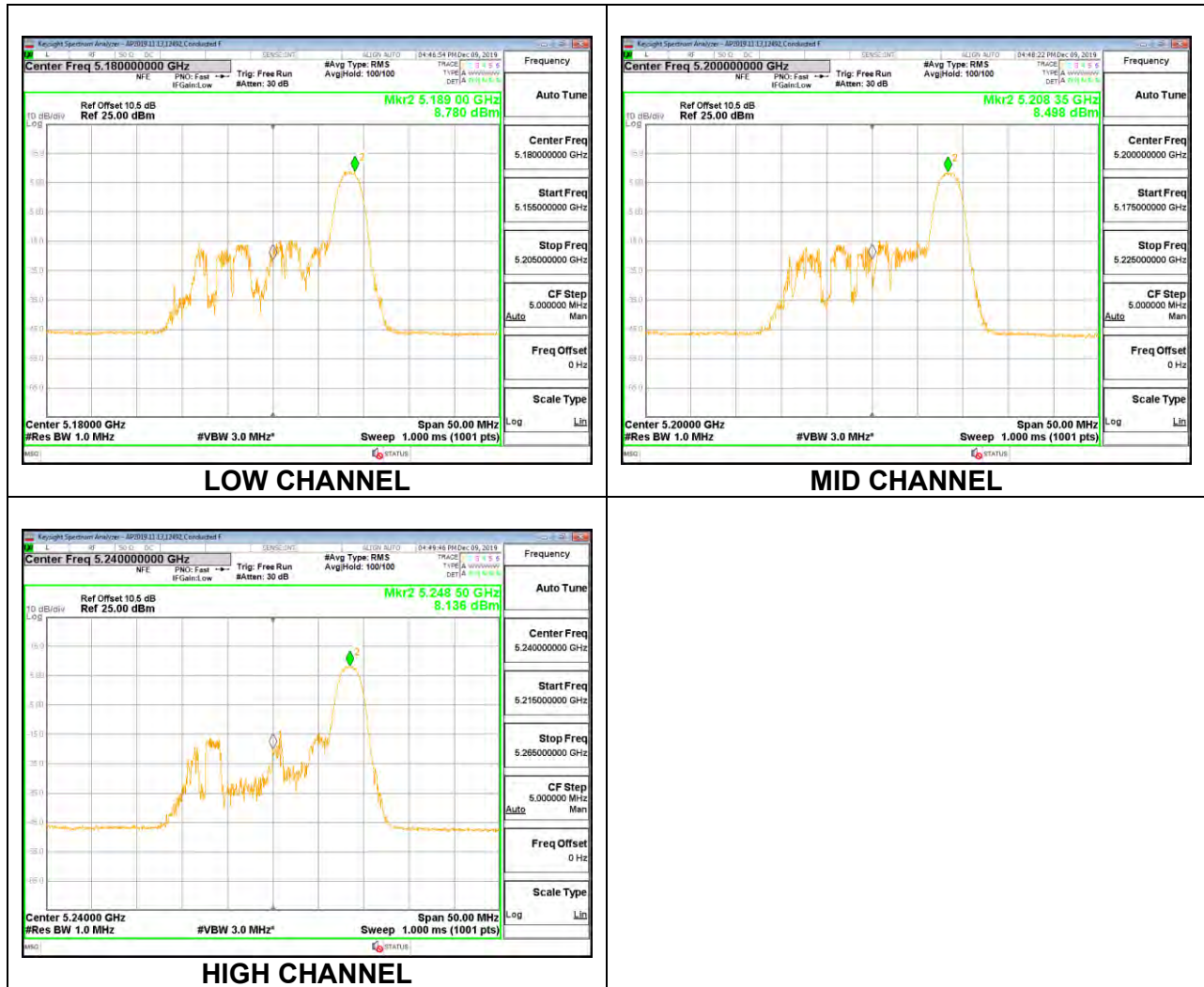
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.94	10.94	23.99	-13.05
Mid	5200	10.89	10.89	24.00	-13.11
High	5240	10.84	10.84	24.00	-13.16

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.78	8.78	11.30	-2.52
Mid	5200	8.50	8.50	11.30	-2.80
High	5240	8.14	8.14	11.30	-3.16



2TX UAT 2 + LAT 3 OFDMA MODE (IC) MOBILE – 242 Tones, RU Index 61**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	18.800	-2.22	0.72
Mid	5200	18.832	-2.22	0.72
High	5240	18.875	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.74	24.96	24.00	10.00	9.28
Mid	5200	24.00	22.75	24.97	24.00	10.00	9.28
High	5240	24.00	22.76	24.98	24.00	10.00	9.28

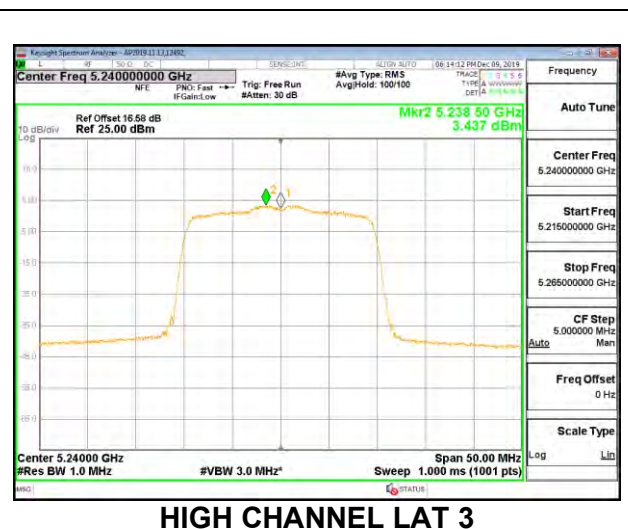
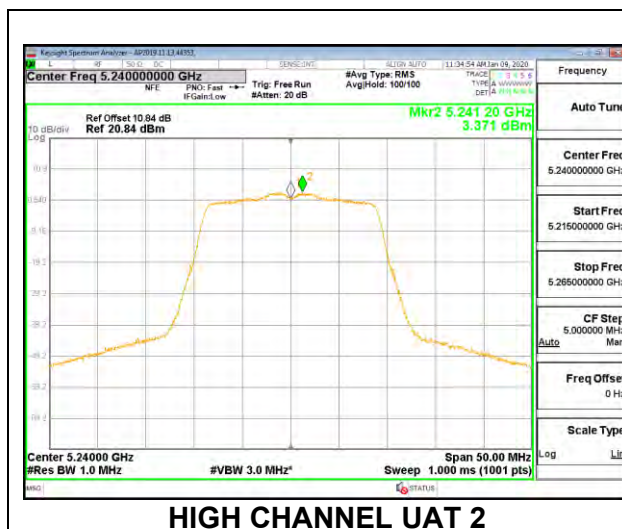
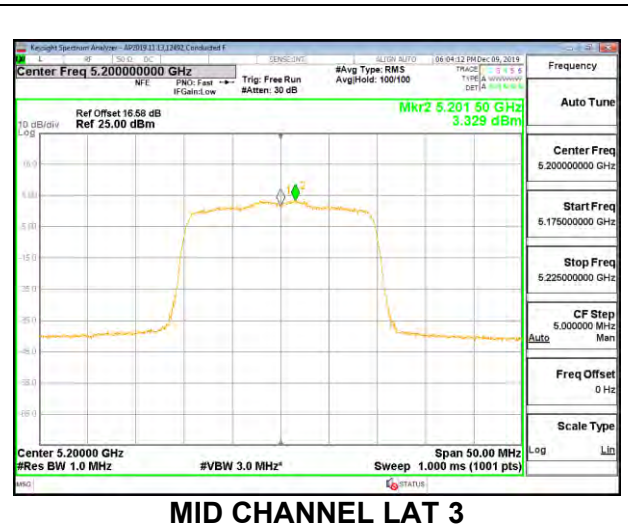
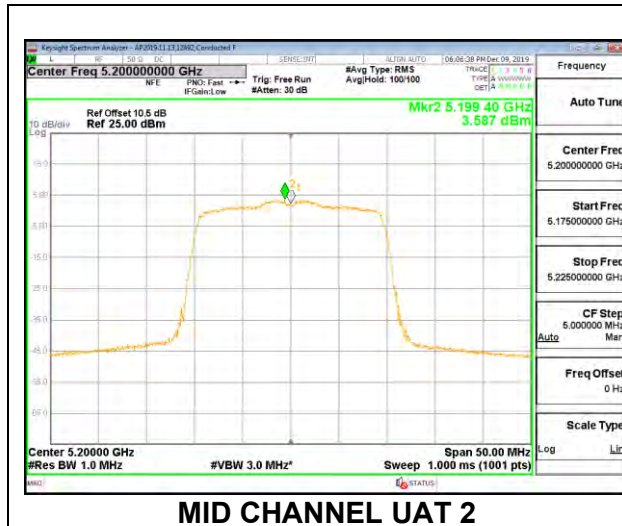
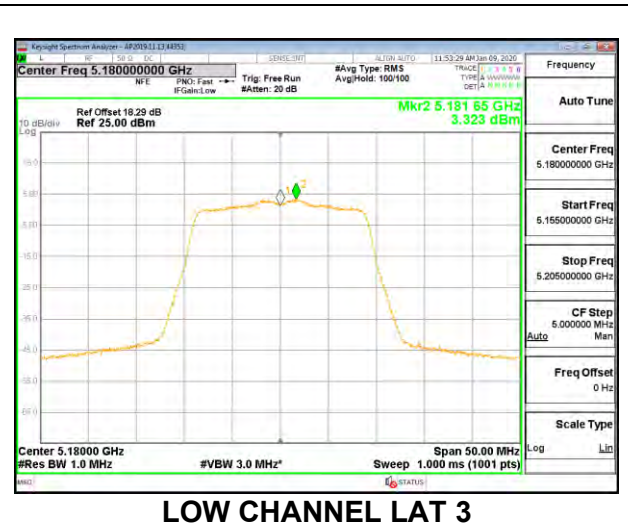
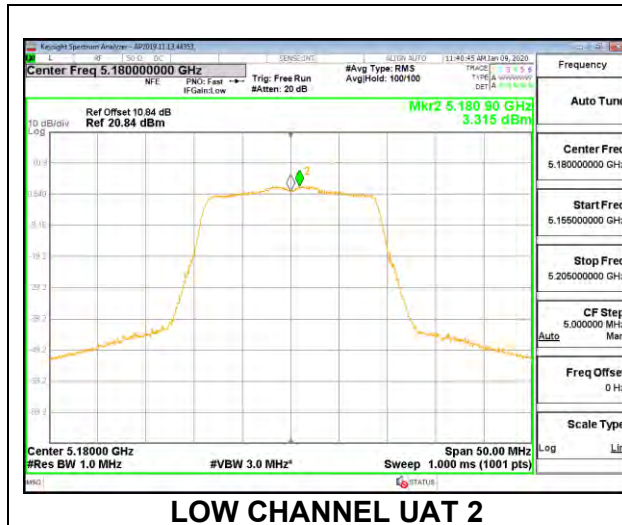
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	13.30	13.32	16.32	24.00	-7.68
Mid	5200	13.46	13.37	16.43	24.00	-7.57
High	5240	13.35	13.38	16.38	24.00	-7.62

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	3.32	3.32	6.33	9.28	-2.95
Mid	5200	3.59	3.33	6.47	9.28	-2.81
High	5240	3.37	3.44	6.41	9.28	-2.87



2TX UAT 2 + LAT 3 OFDMA MODE (IC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	18.349	-2.22	0.72
Mid	5200	18.414	-2.22	0.72
High	5240	18.395	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.64	24.86	24.00	10.00	9.28
Mid	5200	24.00	22.65	24.87	24.00	10.00	9.28
High	5240	24.00	22.65	24.87	24.00	10.00	9.28

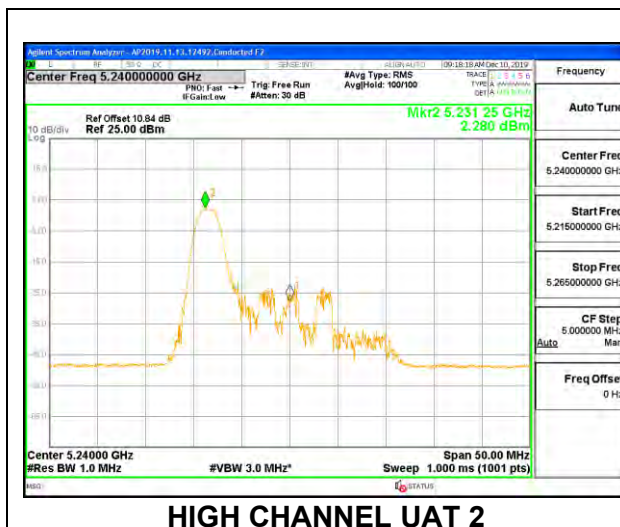
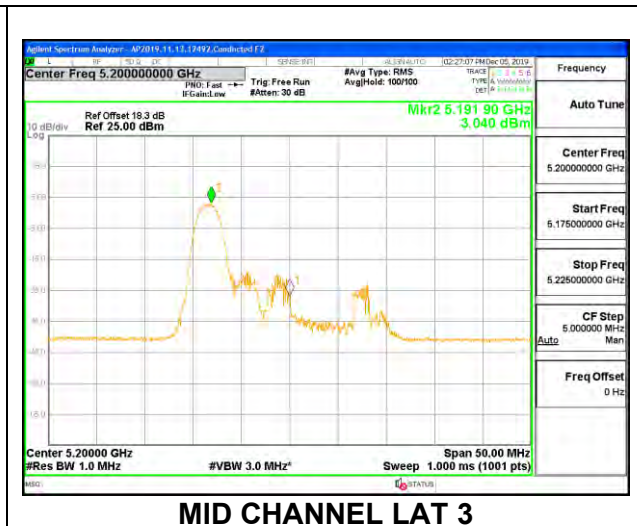
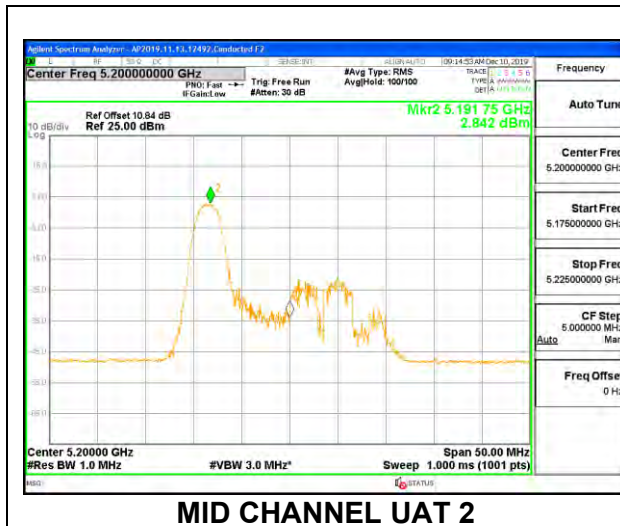
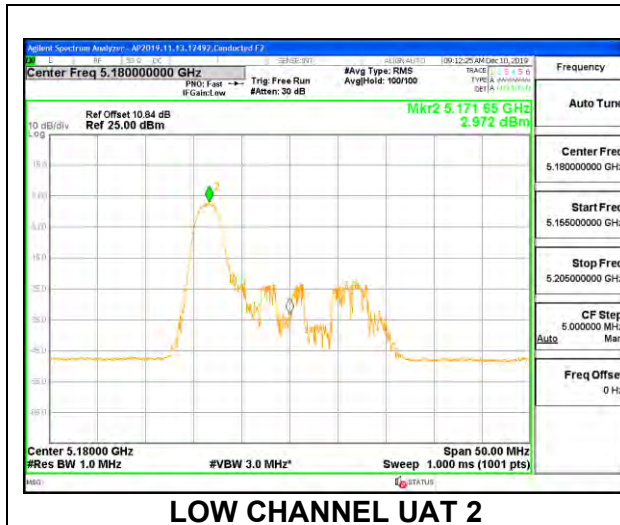
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	5.88	5.95	8.93	24.00	-15.07
Mid	5200	5.98	5.89	8.95	24.00	-15.05
High	5240	5.85	5.79	8.83	24.00	-15.17

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	2.97	2.77	5.88	9.28	-3.40
Mid	5200	2.84	3.04	5.95	9.28	-3.33
High	5240	2.28	2.59	5.45	9.28	-3.83



2TX UAT 2 + LAT 3 OFDMA MODE (IC) MOBILE – 26 Tones, RU Index 4**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	16.974	-2.22	0.72
Mid	5200	17.019	-2.22	0.72
High	5240	17.027	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.30	24.52	24.00	10.00	9.28
Mid	5200	24.00	22.31	24.53	24.00	10.00	9.28
High	5240	24.00	22.31	24.53	24.00	10.00	9.28

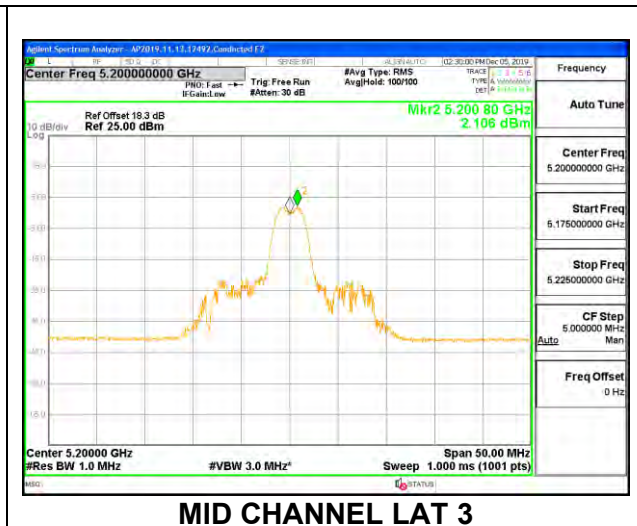
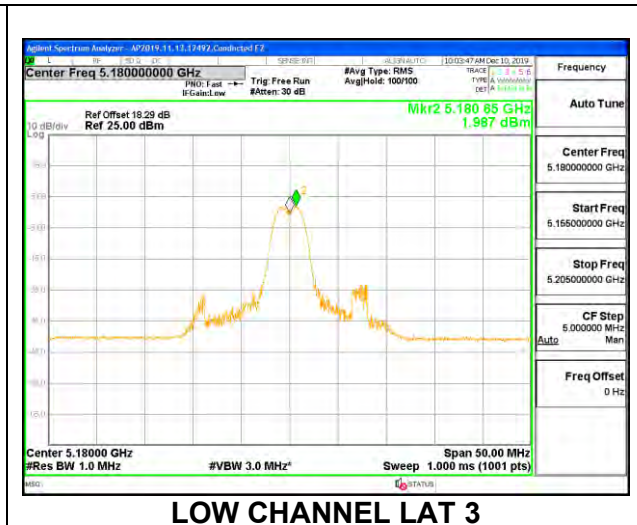
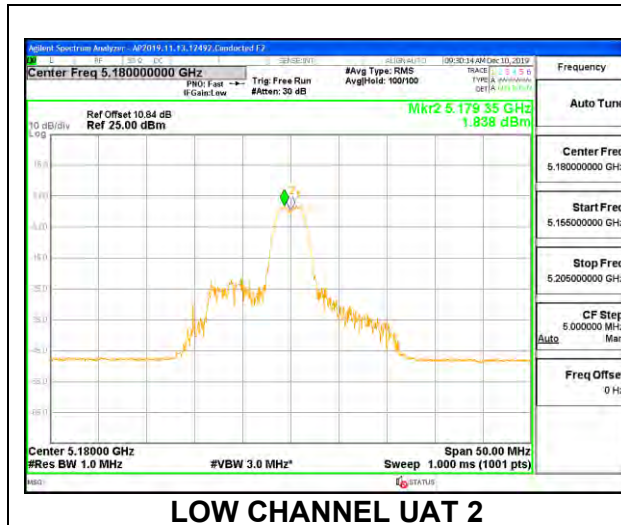
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	5.85	5.89	8.88	24.00	-15.12
Mid	5200	5.91	5.95	8.94	24.00	-15.06
High	5240	5.78	5.89	8.85	24.00	-15.15

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	1.84	1.99	4.92	9.28	-4.36
Mid	5200	2.04	2.11	5.08	9.28	-4.20
High	5240	1.57	1.75	4.67	9.28	-4.61



2TX UAT 2 + LAT 3 OFDMA MODE (IC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	18.511	-2.22	0.72
Mid	5200	18.416	-2.22	0.72
High	5240	18.449	-2.22	0.72

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.67	24.89	24.00	10.00	9.28
Mid	5200	24.00	22.65	24.87	24.00	10.00	9.28
High	5240	24.00	22.66	24.88	24.00	10.00	9.28

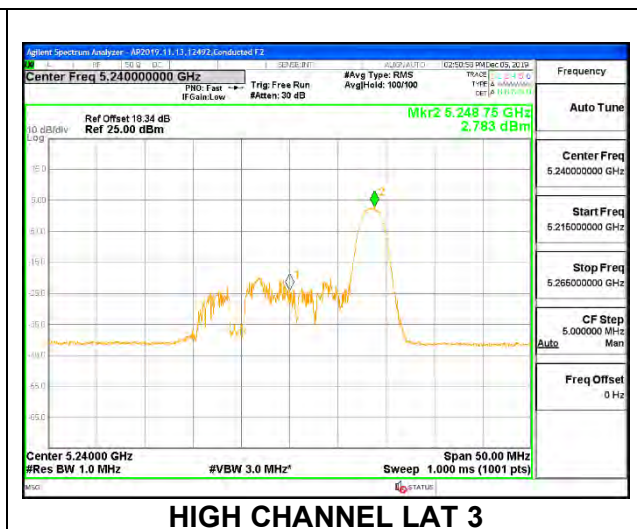
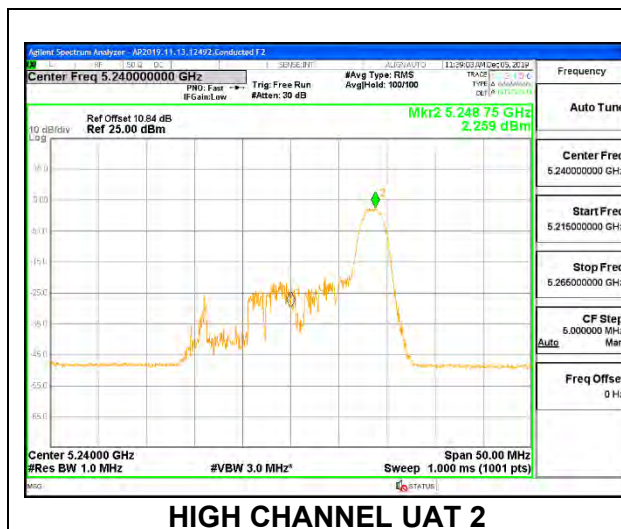
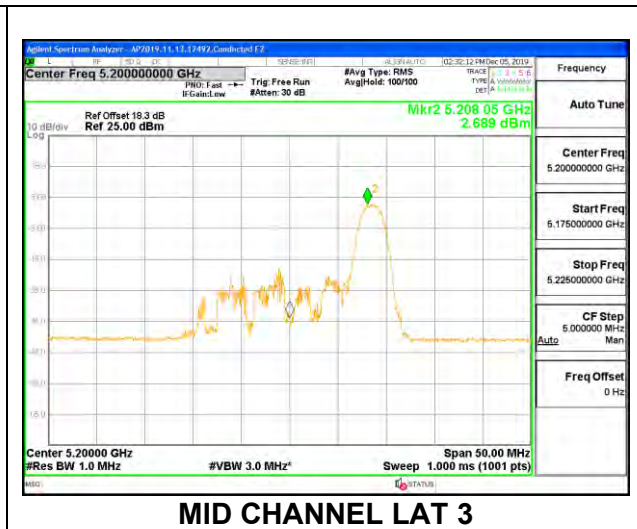
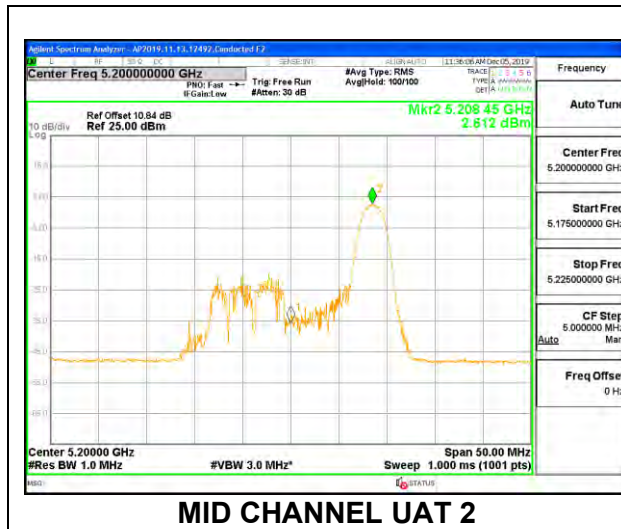
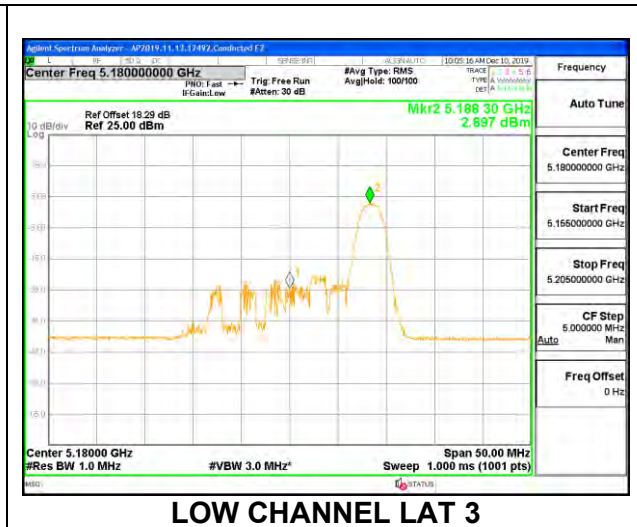
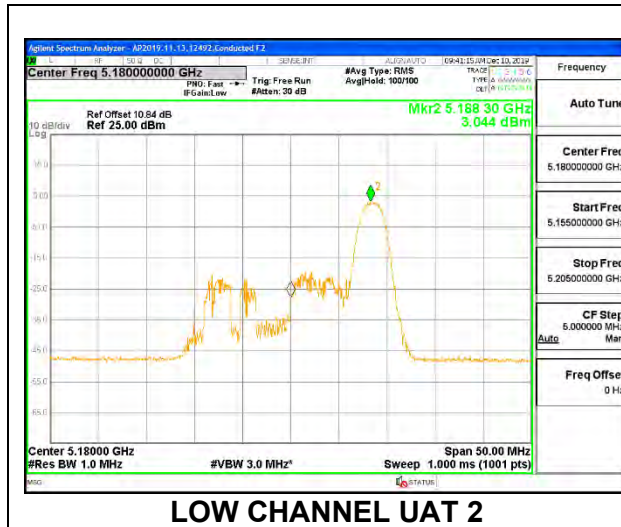
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	5.97	5.95	8.97	24.00	-15.03
Mid	5200	5.85	5.87	8.87	24.00	-15.13
High	5240	5.75	5.92	8.85	24.00	-15.15

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/ 1MHz)	LAT 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	3.04	2.90	5.98	9.28	-3.30
Mid	5200	2.61	2.69	5.66	9.28	-3.62
High	5240	2.26	2.78	5.54	9.28	-3.74



8.5.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND (IC)

1TX UAT 2 MODE (IC) MOBILE – 484 Tones, RU Index 65

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	37.758	-3.40
High	5230	37.548	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	26.40	24.00	10.00	13.40
High	5230	24.00	23.00	26.40	24.00	10.00	13.40

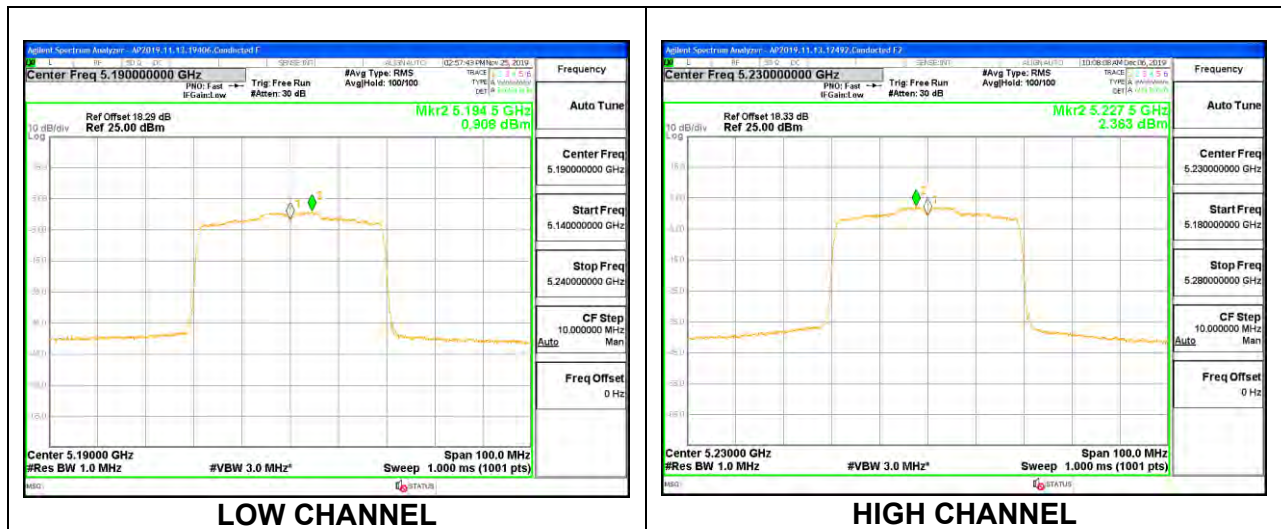
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	13.81	13.81	24.00	-10.19
High	5230	17.46	17.46	24.00	-6.54

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	0.91	0.91	13.40	-12.49
High	5230	2.36	2.36	13.40	-11.04



1TX UAT 2 MODE (IC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	18.393	-3.40
High	5230	18.306	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	22.65	26.05	24.00	10.00	13.40
High	5230	24.00	22.63	26.03	24.00	10.00	13.40

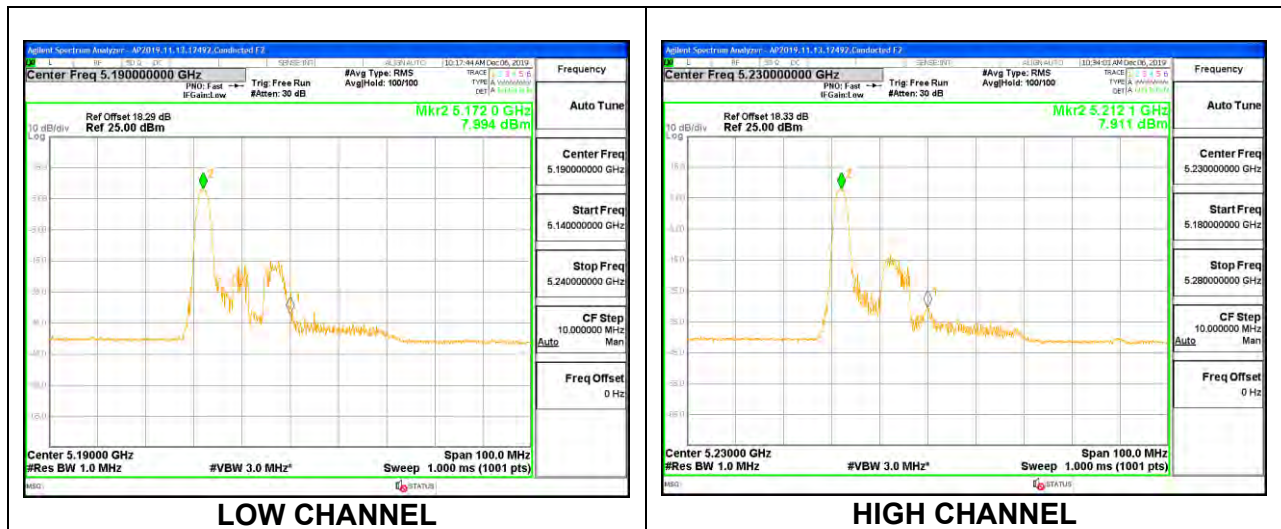
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.96	10.96	24.00	-13.04
High	5230	10.95	10.95	24.00	-13.05

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.99	7.99	13.40	-5.41
High	5230	7.91	7.91	13.40	-5.49



1TX UAT 2 MODE (IC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	21.430	-3.40
High	5230	21.404	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	26.40	24.00	10.00	13.40
High	5230	24.00	23.00	26.40	24.00	10.00	13.40

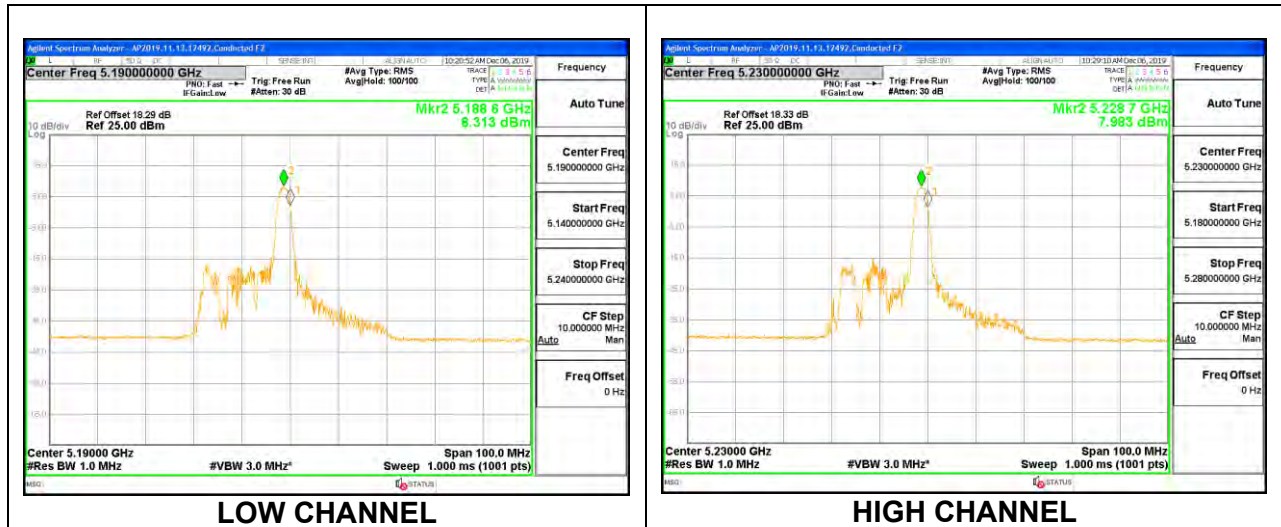
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.97	10.97	24.00	-13.03
High	5230	10.81	10.81	24.00	-13.19

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.31	8.31	13.40	-5.09
High	5230	7.98	7.98	13.40	-5.42



1TX UAT 2 MODE (IC) MOBILE – 26 Tones, RU Index 17**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	18.351	-3.40
High	5230	18.459	-3.40

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	22.64	26.04	24.00	10.00	13.40
High	5230	24.00	22.66	26.06	24.00	10.00	13.40

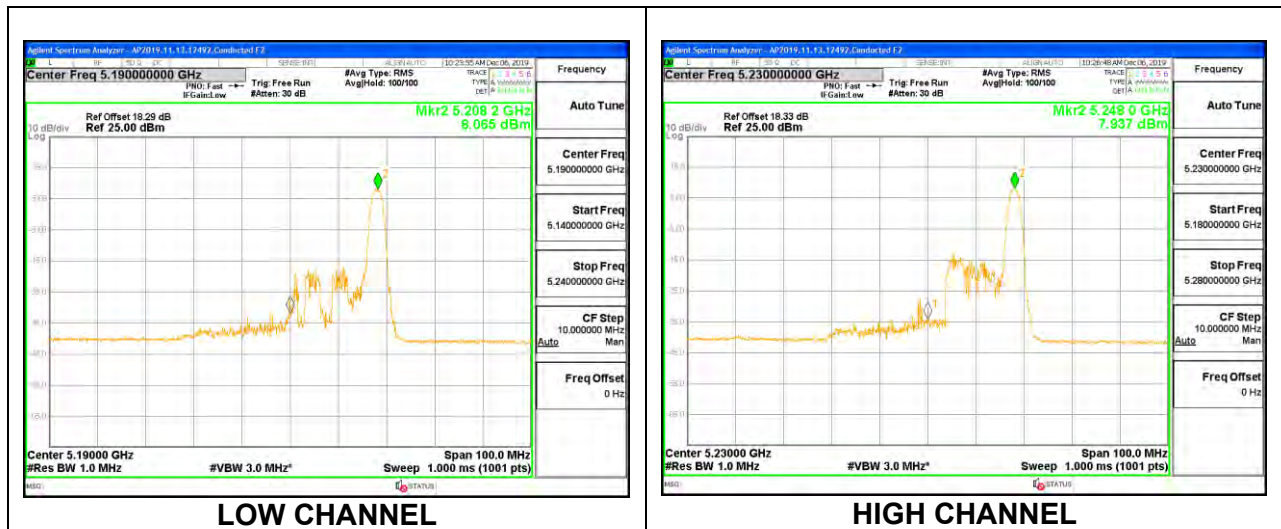
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.97	10.97	24.00	-13.03
High	5230	10.89	10.89	24.00	-13.11

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.07	8.07	13.40	-5.34
High	5230	7.94	7.94	13.40	-5.46



1TX LAT 3 MODE (IC) MOBILE – 484 Tones, RU Index 65**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	37.383	-1.30
High	5230	37.813	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	24.30	24.00	10.00	11.30
High	5230	24.00	23.00	24.30	24.00	10.00	11.30

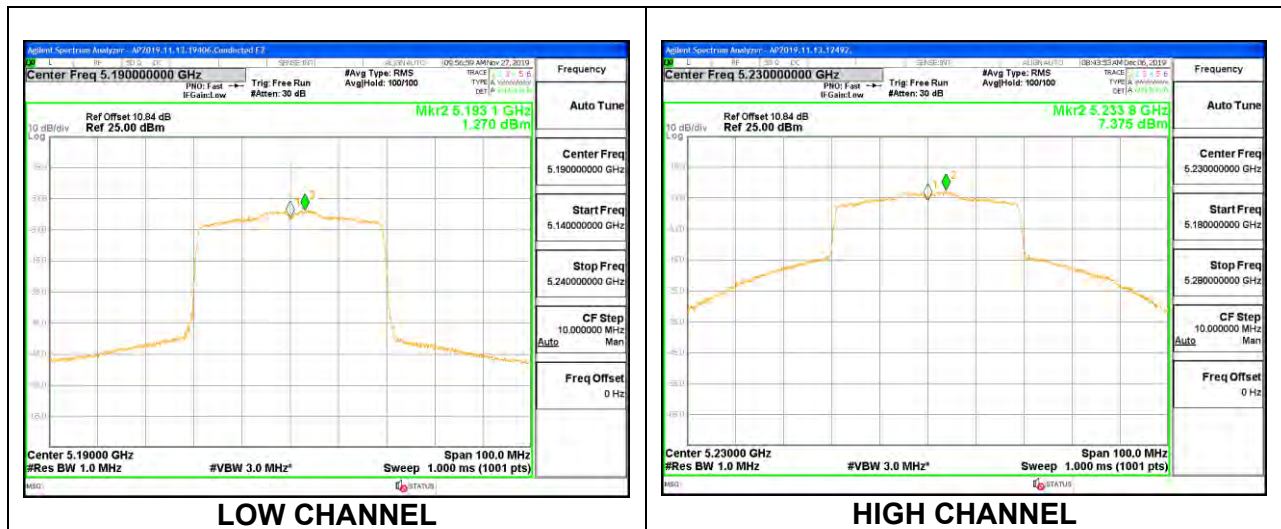
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	13.86	13.86	24.00	-10.14
High	5230	20.88	20.88	24.00	-3.12

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	1.27	1.27	11.30	-10.03
High	5230	7.38	7.38	11.30	-3.93



1TX LAT 3 MODE (IC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	18.388	-1.30
High	5230	18.070	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	22.65	23.95	23.95	10.00	11.30
High	5230	24.00	22.57	23.87	23.87	10.00	11.30

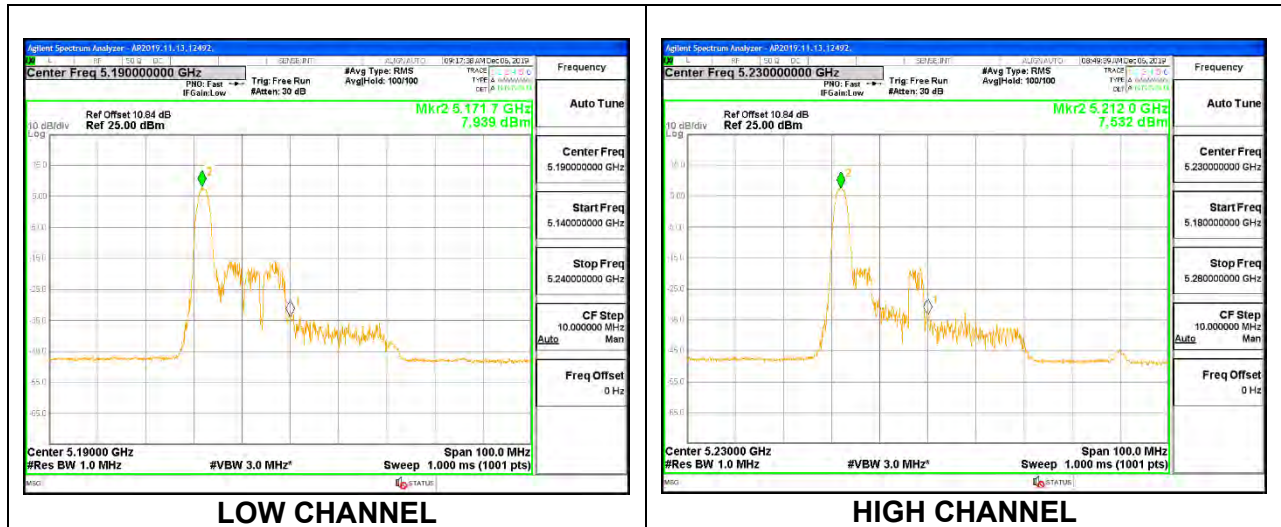
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.93	10.93	23.95	-13.02
High	5230	10.87	10.87	23.87	-13.00

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.94	7.94	11.30	-3.36
High	5230	7.53	7.53	11.30	-3.77



1TX LAT 3 MODE (IC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	20.427	-1.30
High	5230	20.639	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	24.30	24.00	10.00	11.30
High	5230	24.00	23.00	24.30	24.00	10.00	11.30

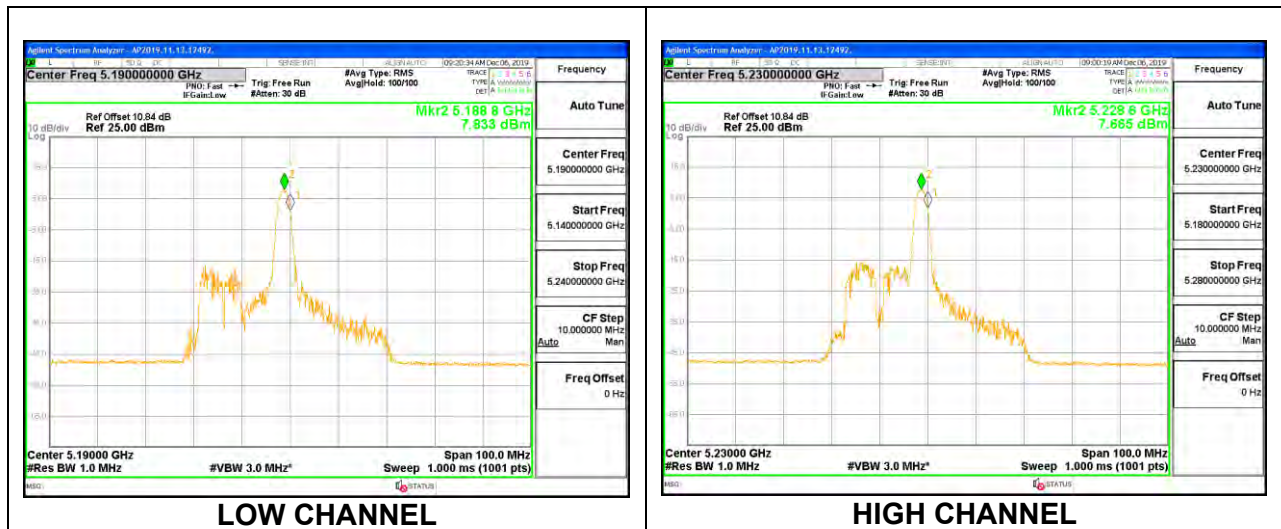
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.87	10.87	24.00	-13.13
High	5230	10.79	10.79	24.00	-13.21

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.83	7.83	11.30	-3.47
High	5230	7.67	7.67	11.30	-3.64



1TX LAT 3 MODE (IC) MOBILE – 26 Tones, RU Index 17**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5190	18.224	-1.30
High	5230	18.233	-1.30

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	22.61	23.91	23.91	10.00	11.30
High	5230	24.00	22.61	23.91	23.91	10.00	11.30

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & 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	5190	10.81	10.81	23.91	-13.10
High	5230	10.76	10.76	23.91	-13.15

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.84	7.84	11.30	-3.46
High	5230	7.42	7.42	11.30	-3.88