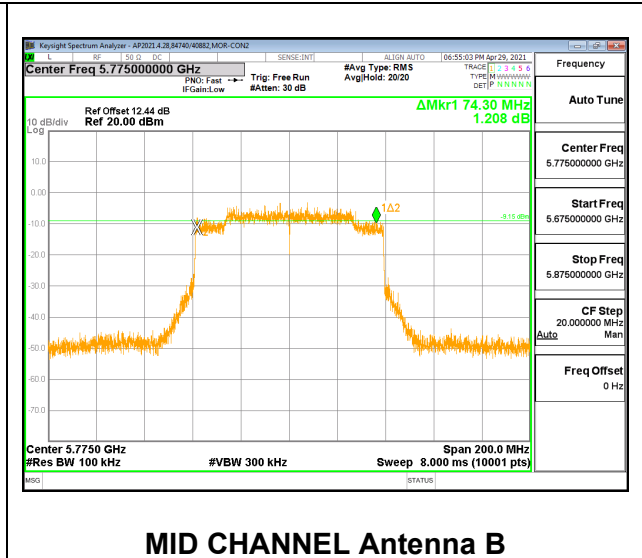
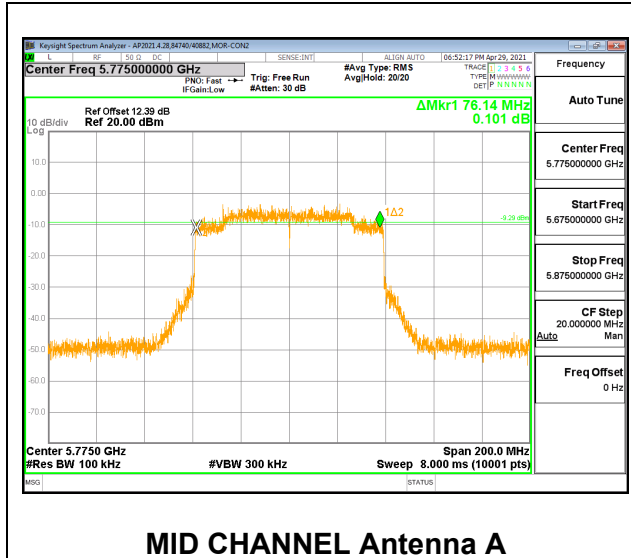


9.3.2. 802.11ax HE80 MODE 2TX IN THE 5.8GHz BAND

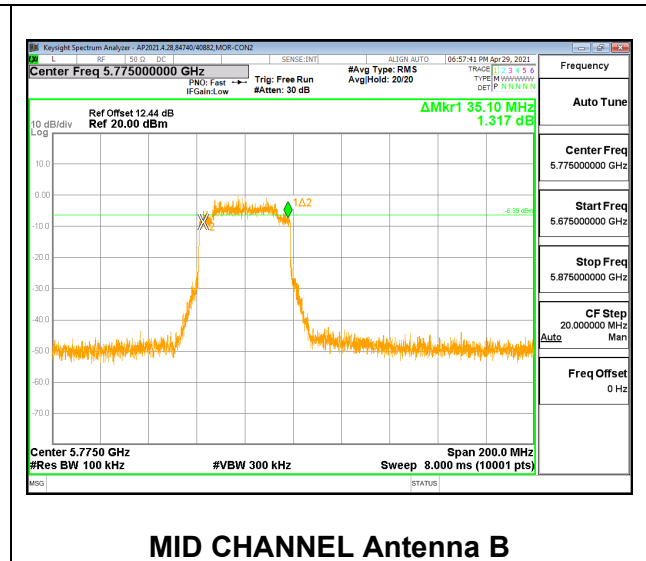
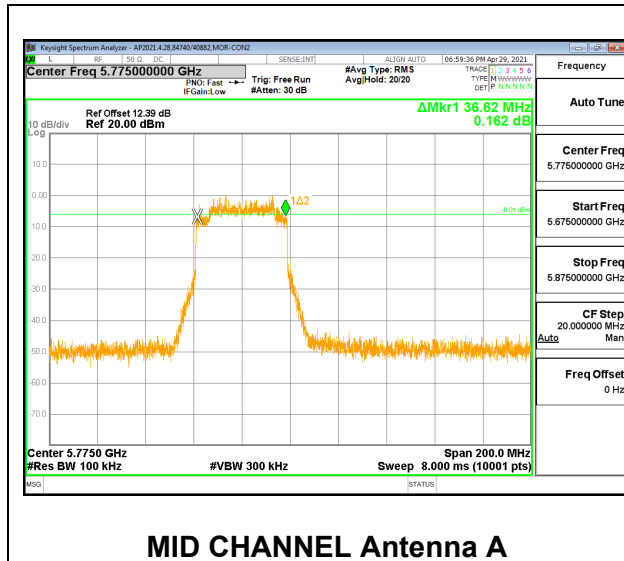
2TX Antenna A + Antenna B SDM OFDMA MODE: SU, Single User

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	76.1400	74.3000	0.5



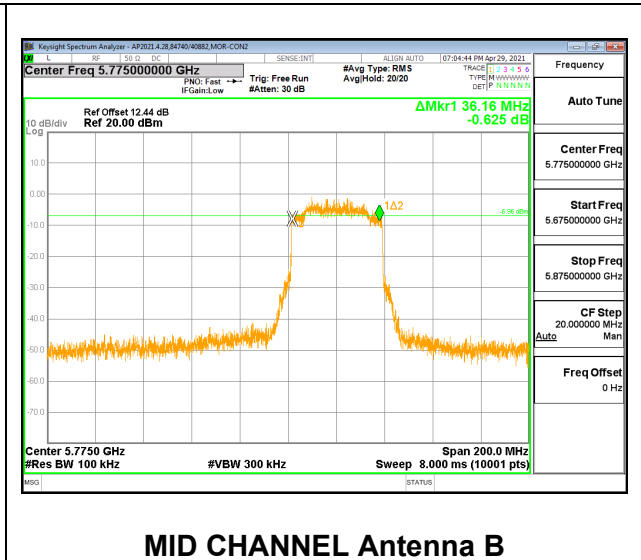
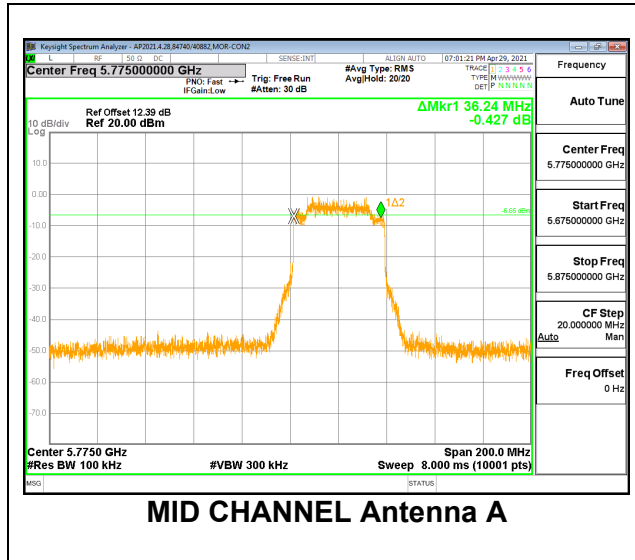
2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 65

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	36.6200	35.1000	0.5



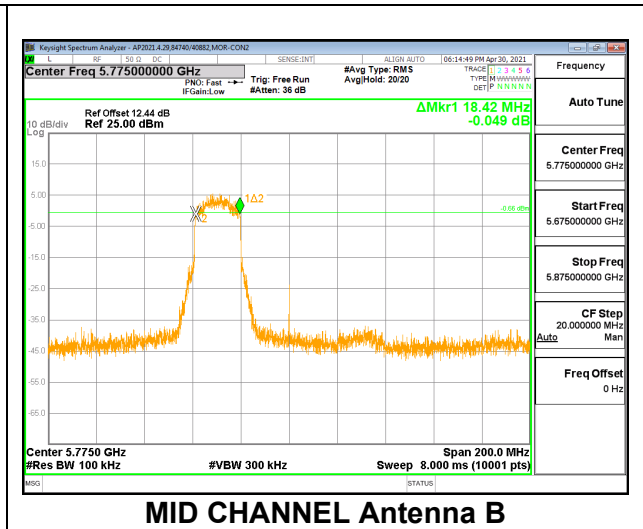
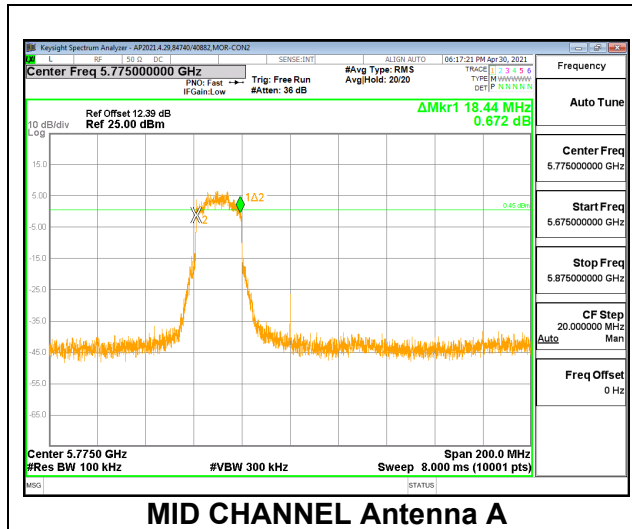
2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 66

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	36.2400	36.1600	0.5



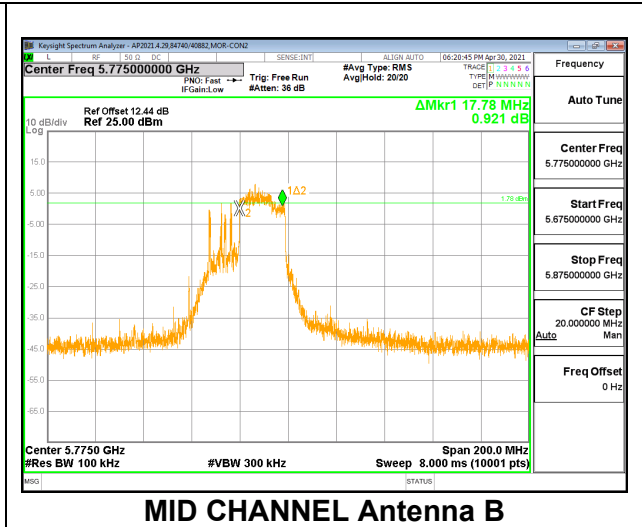
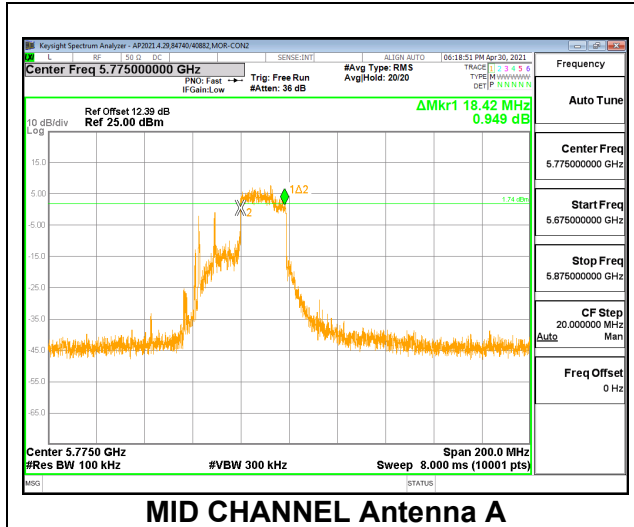
2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	18.4400	18.4200	0.5



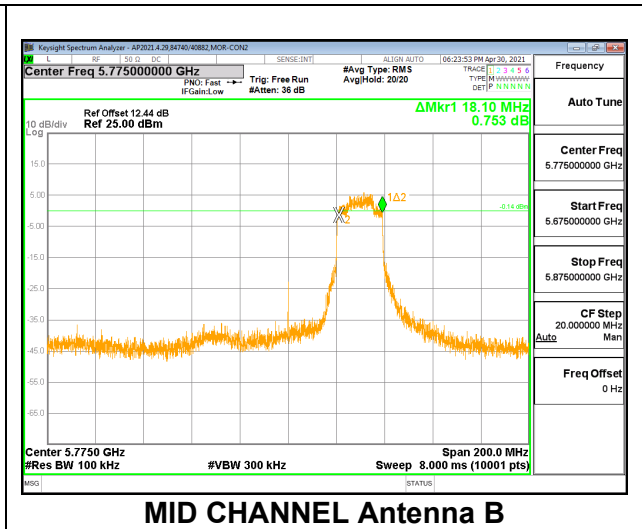
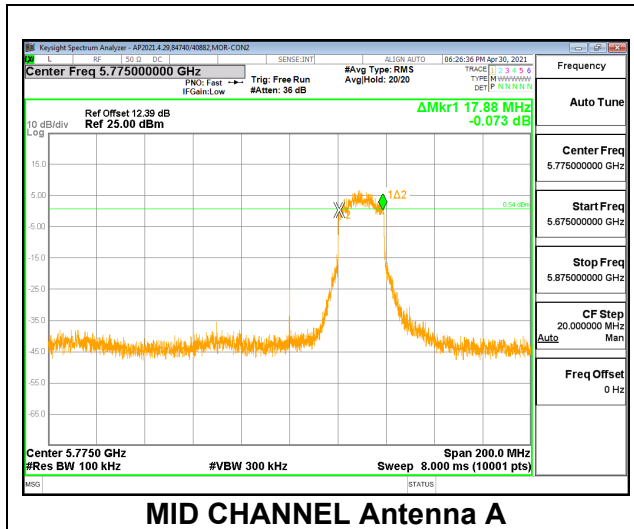
2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 62

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	18.4200	17.7800	0.5



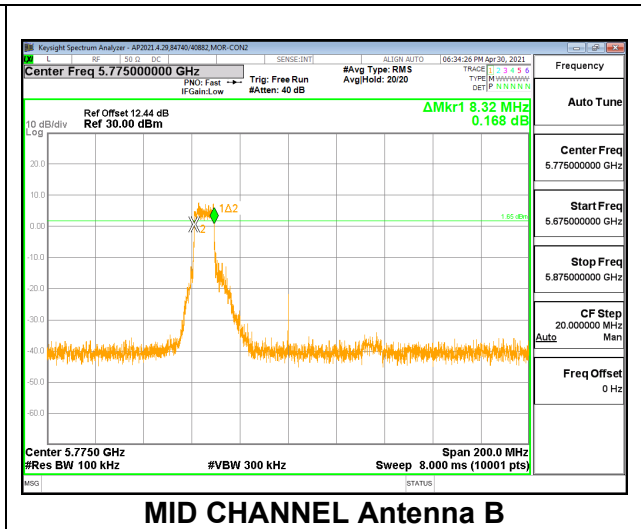
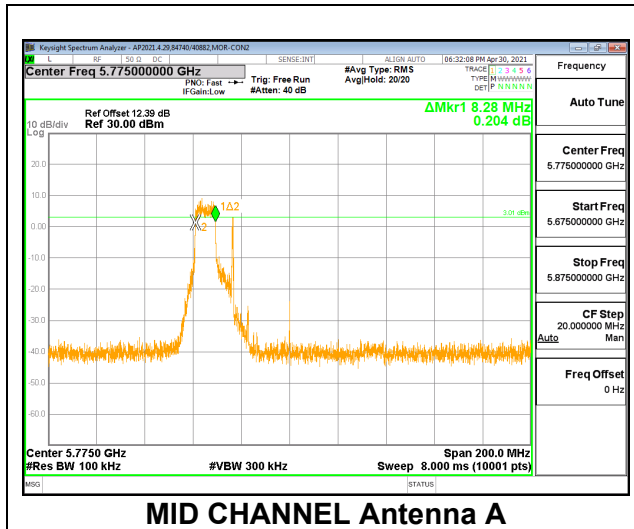
2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 64

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	17.8800	18.1000	0.5



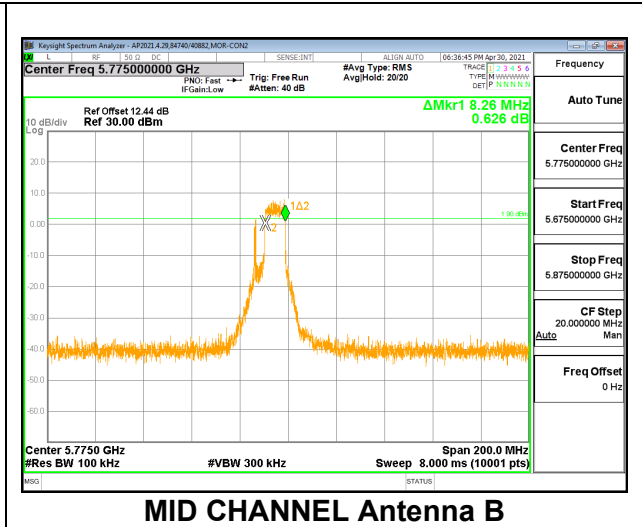
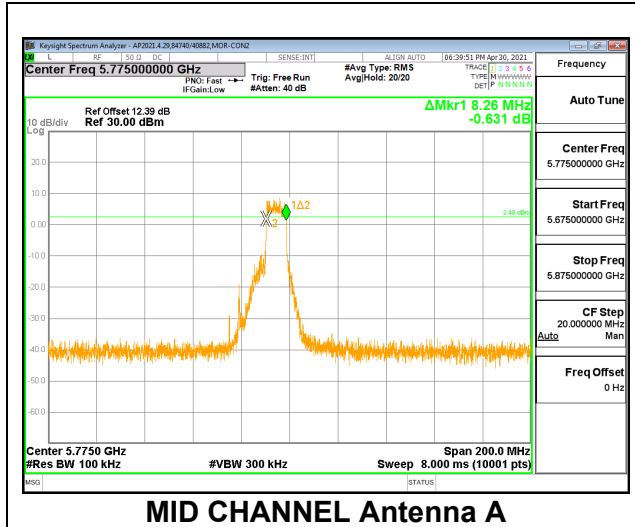
2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 53

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	8.2800	8.3200	0.5



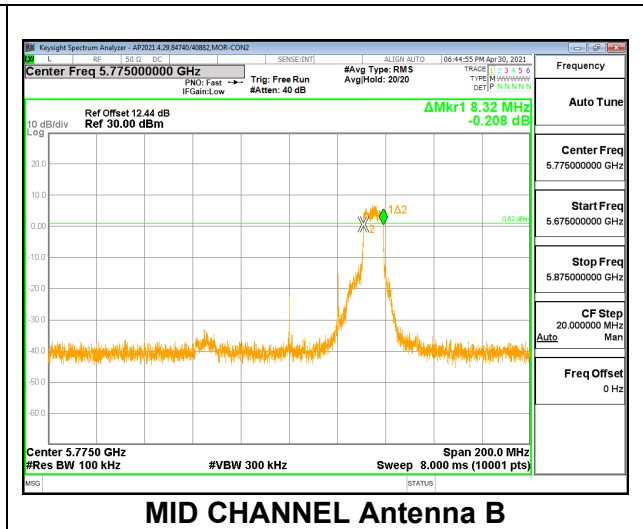
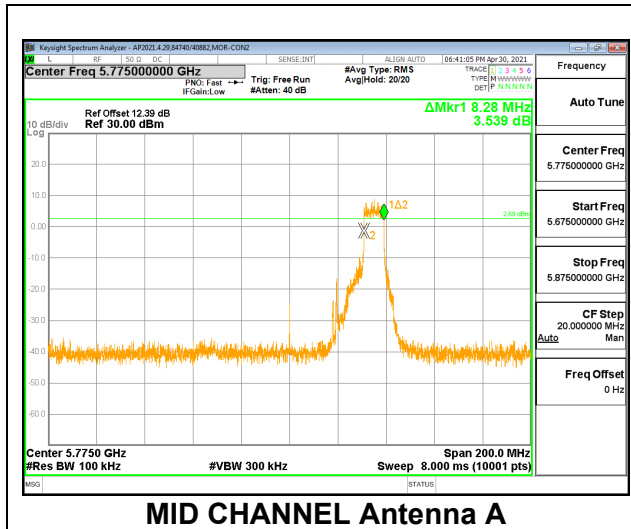
2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 56

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	8.2600	8.2600	0.5



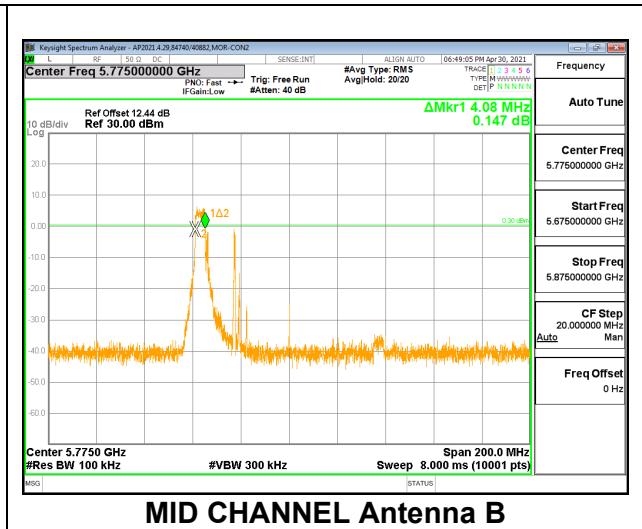
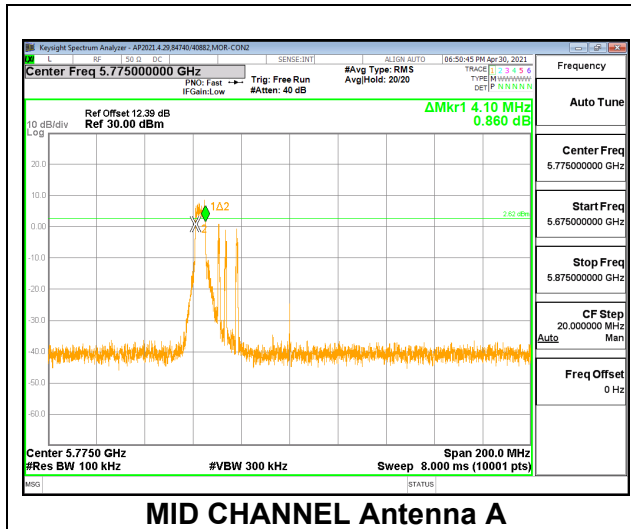
2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 60

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	8.2800	8.3200	0.5



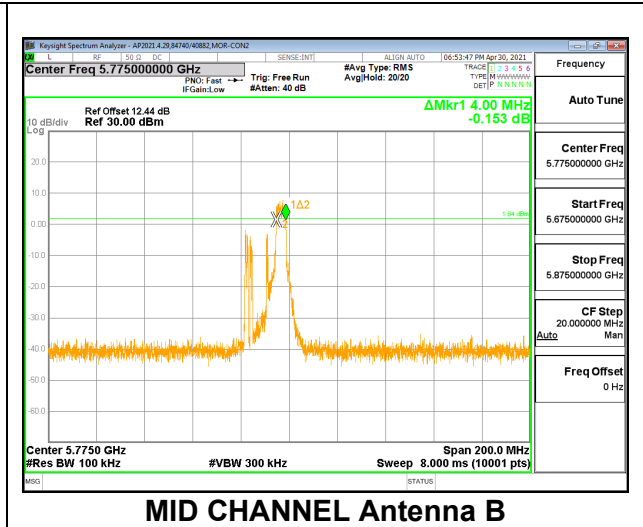
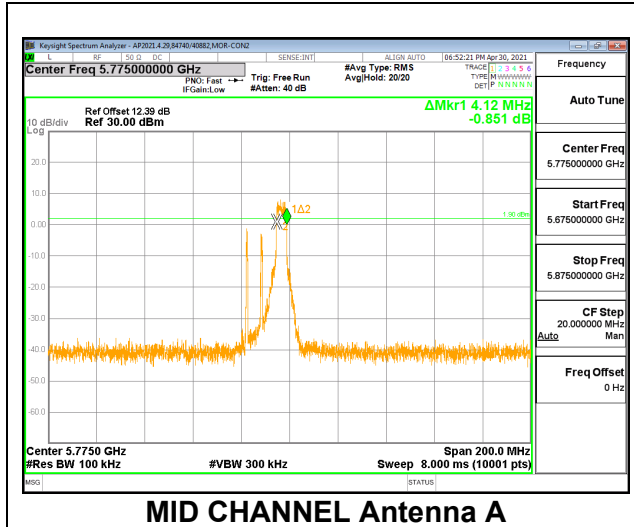
2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 37

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	4.1000	4.0800	0.5



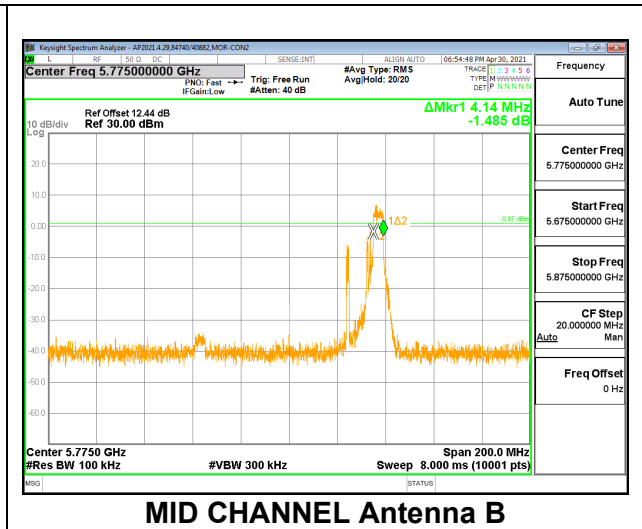
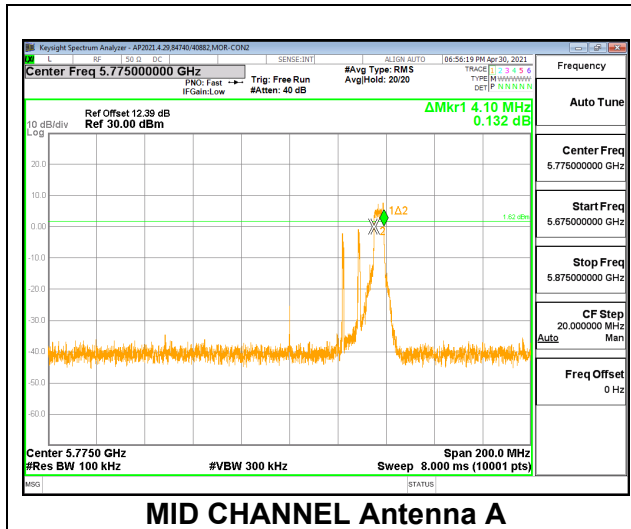
2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 44

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	4.1200	4.0000	0.5



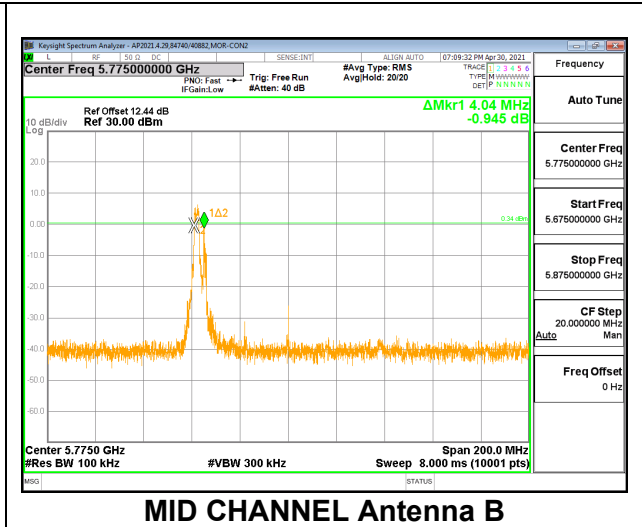
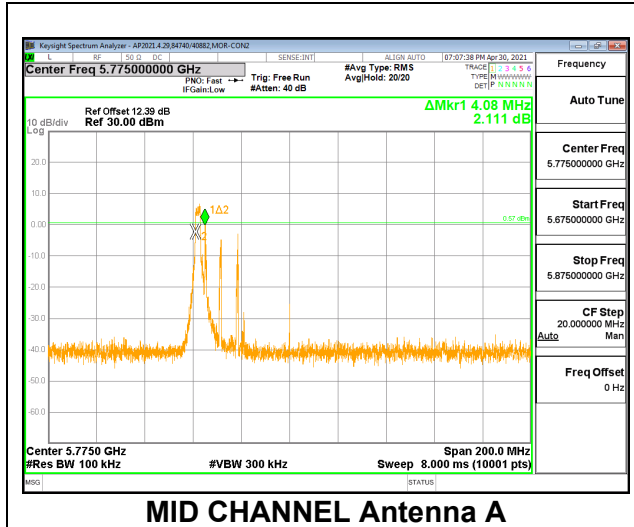
2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 52

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	4.1000	4.1400	0.5



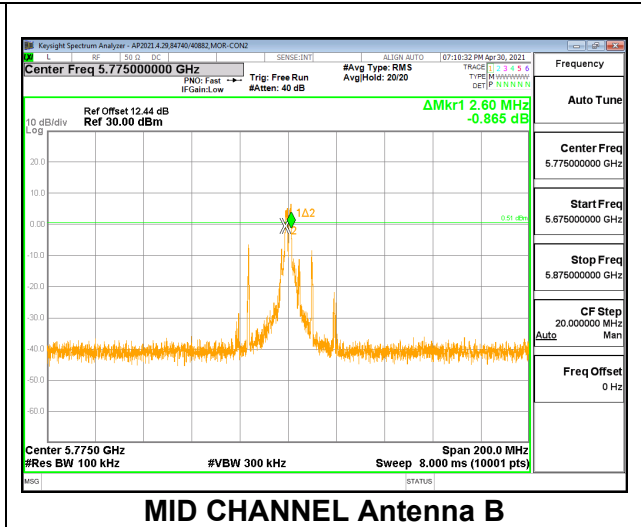
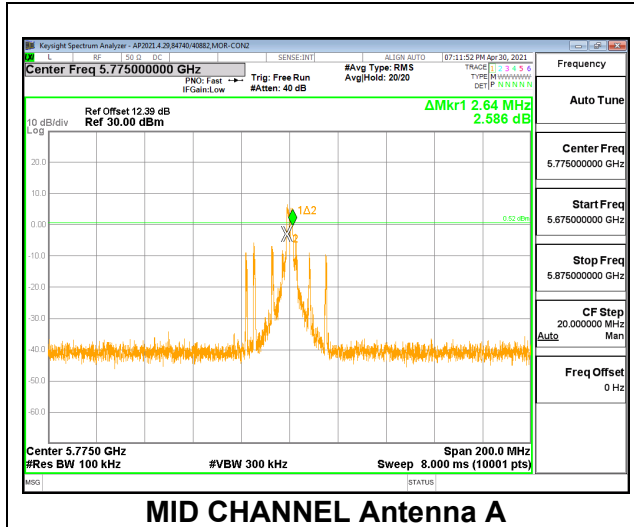
2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	4.0800	4.0400	0.5



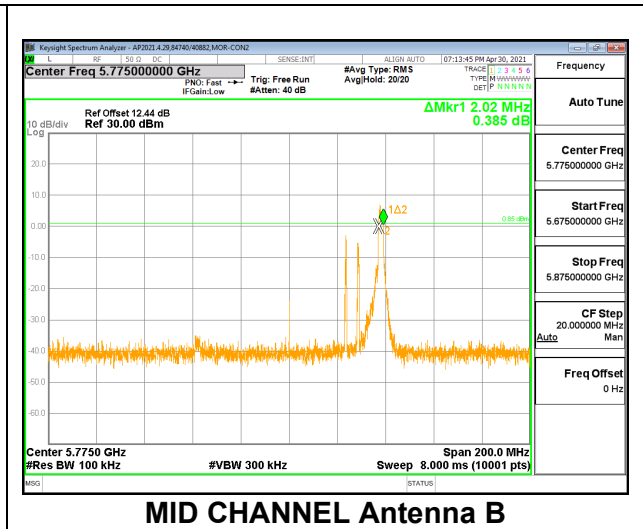
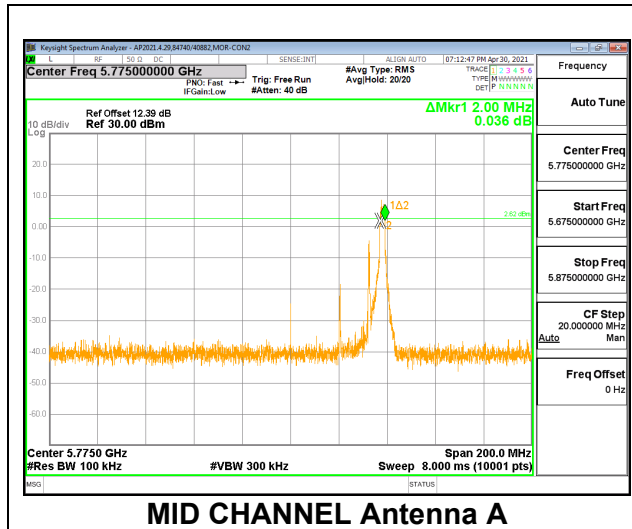
2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 18

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	2.6400	2.6000	0.5



2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 36

Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Mid	5775	2.0000	2.0200	0.5



9.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

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.

RSS-247

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

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 antennas are uncorrelated for power.

Tx antennas are uncorrelated for 11n/ac PSD.

The directional gains are as follows:

Band (GHz)	ANT A Antenna Gain (dBi)	ANT B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	4.50	3.40	3.98	6.98
5.3	4.60	4.60	4.60	7.61
5.6	6.40	6.90	6.66	9.66
5.8	7.80	7.70	7.75	10.76

RESULT

9.4.1. 802.11ax HE20 MODE 2TX IN THE 5.8GHz BAND (FCC+IC)

2TX Antenna A + Antenna B SDM OFDMA MODE: SU, Single User

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.75	7.75	28.25	28.25

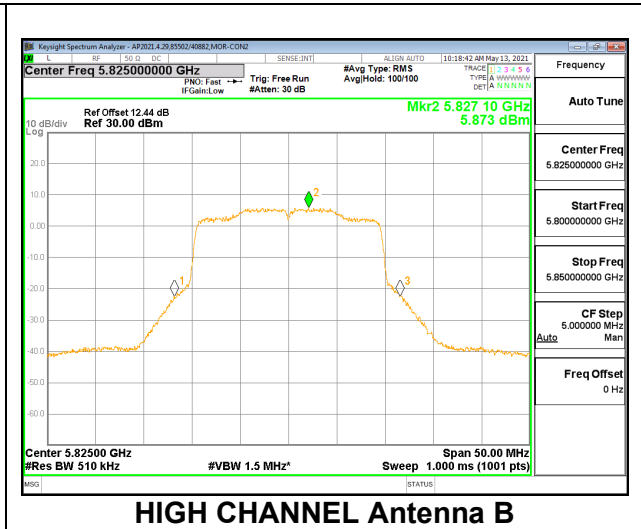
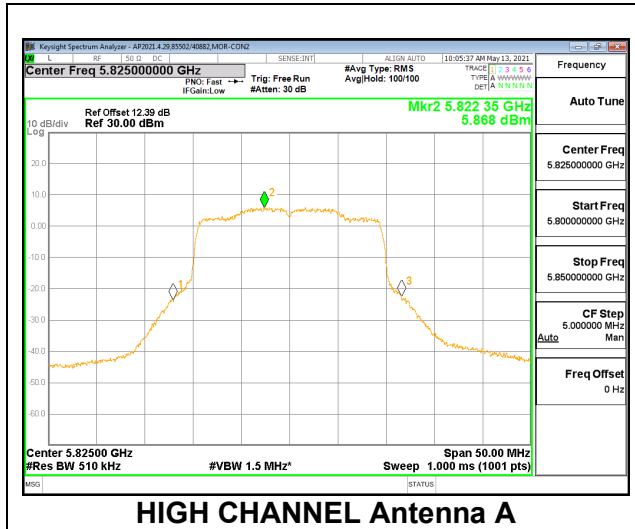
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	18.62	18.46	21.55	28.25	-6.70

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	5.868	5.873	8.881	28.25	-19.37



2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 54

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.75	7.75	28.25	28.25

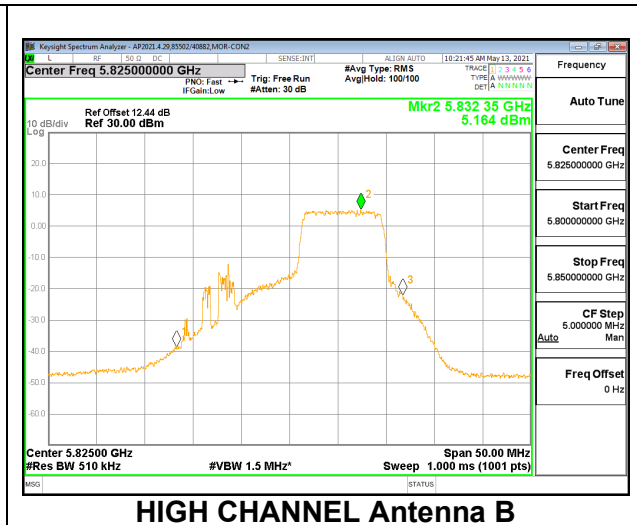
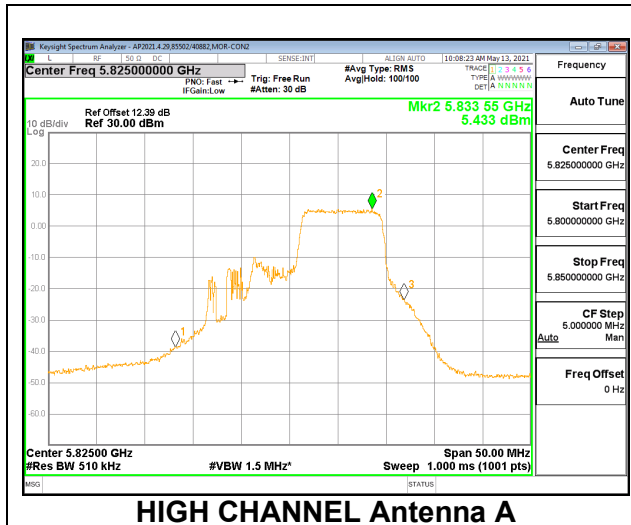
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	15.69	15.40	18.56	28.25	-9.69

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	5.433	5.164	8.311	28.25	-19.94



2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 40

Test Engineer:	85502/40882
Test Date:	2021-06-11 and 2021-06-18

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
High	5825	7.75	7.75	28.25	28.25

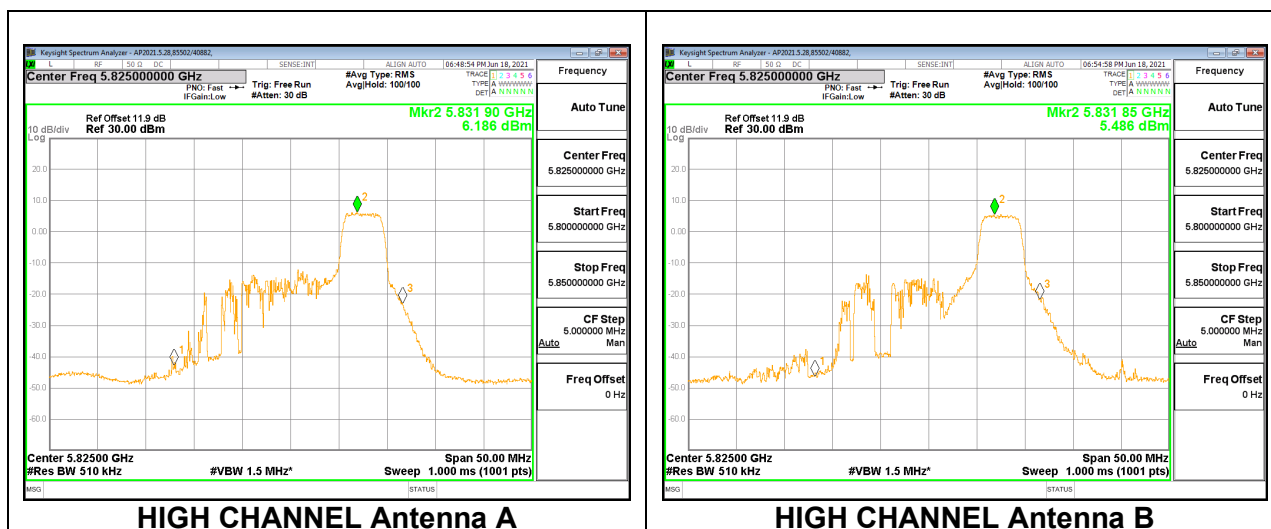
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	12.56	12.86	15.72	28.25	-12.53

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
High	5825	6.186	5.489	8.862	28.25	-19.39



2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	85502/40882
Test Date:	2021-06-10

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
High	5825	7.75	7.75	28.25	28.25

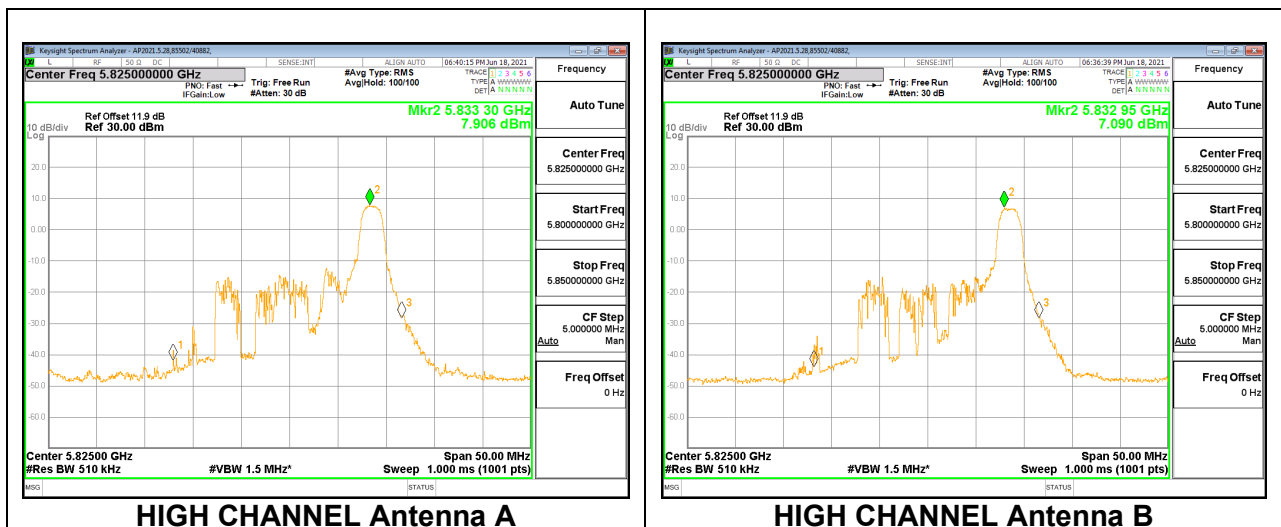
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	11.57	11.82	14.71	28.25	-13.54

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
High	5825	7.906	7.090	10.527	28.25	-17.72



9.4.2. 802.11ax HE20 MODE 1TX IN THE 5.8GHz BAND (FCC+IC)

1TX Antenna A OFDMA MODE: SU, Single User

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

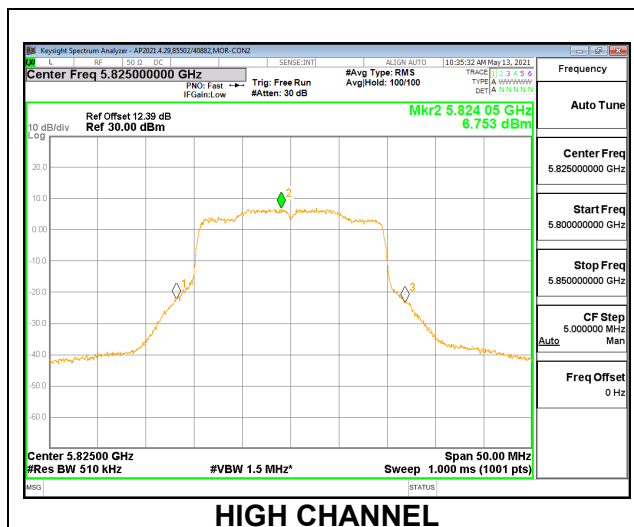
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	19.60	19.60	28.20	-8.60

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	6.753	6.753	28.20	-21.45



1TX Antenna A OFDMA MODE: 106-Tones, RU Index 54

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

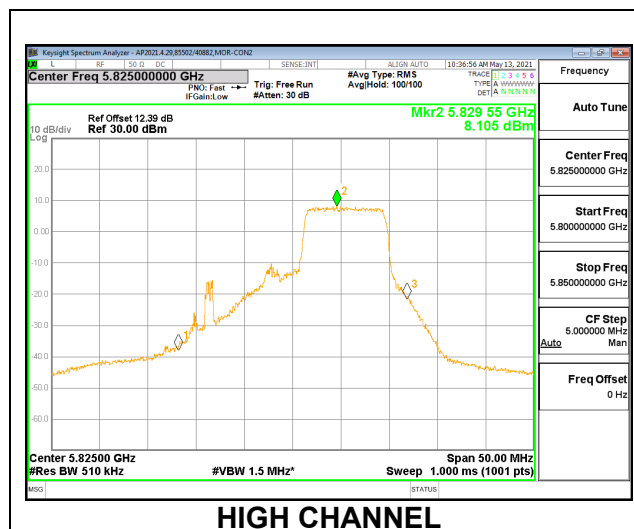
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	18.50	18.50	28.20	-9.70

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	8.105	8.105	28.20	-20.10



1TX Antenna A OFDMA MODE: 52-Tones, RU Index 40

Test Engineer:	85502/40882
Test Date:	2021-06-11

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

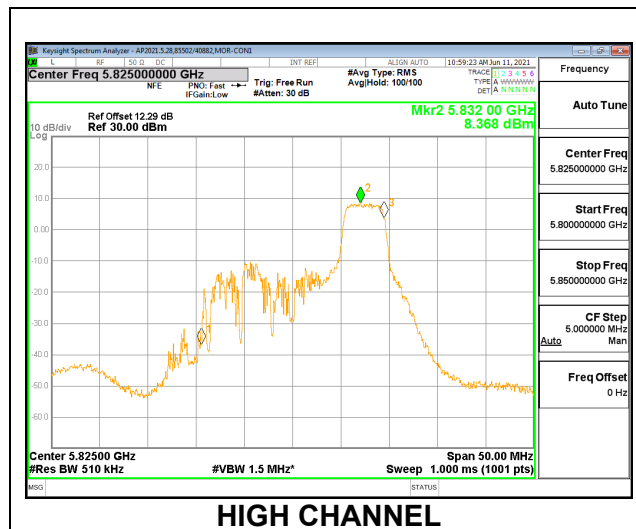
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	17.50	17.50	28.20	-10.70

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	8.368	8.368	28.20	-19.83



1TX Antenna A OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	85502/40882
Test Date:	2021-06-10

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

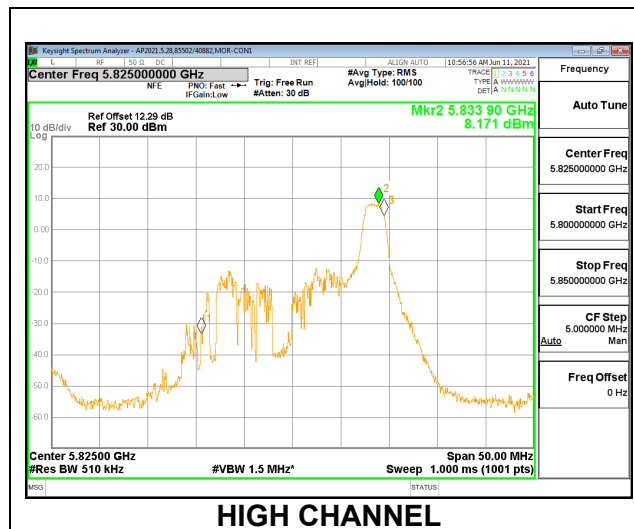
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	14.45	14.45	28.20	-13.75

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	8.171	8.171	28.20	-20.03



1TX Antenna B OFDMA MODE: SU, Single User

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

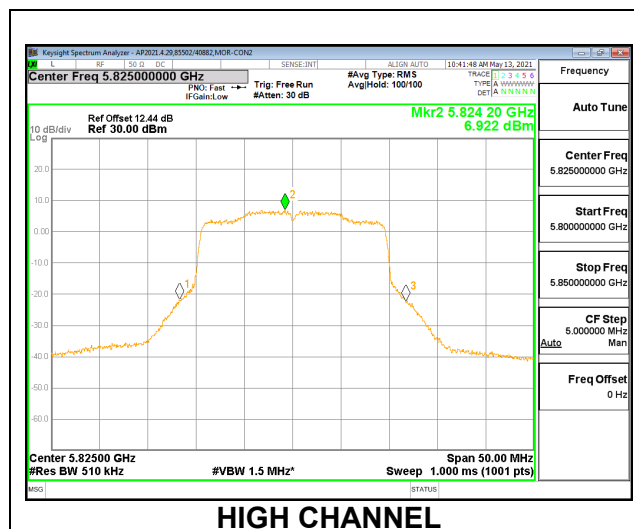
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	19.42	19.42	28.20	-8.78

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	6.922	6.922	28.20	-21.28



1TX Antenna B OFDMA MODE: 106-Tones, RU Index 54

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

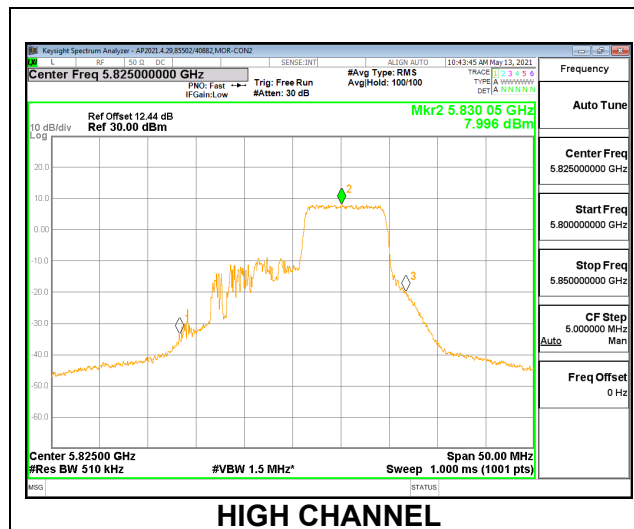
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	18.36	18.36	28.20	-9.84

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	7.996	7.996	28.20	-20.20



HIGH CHANNEL

1TX Antenna B OFDMA MODE: 52-Tones, RU Index 40

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

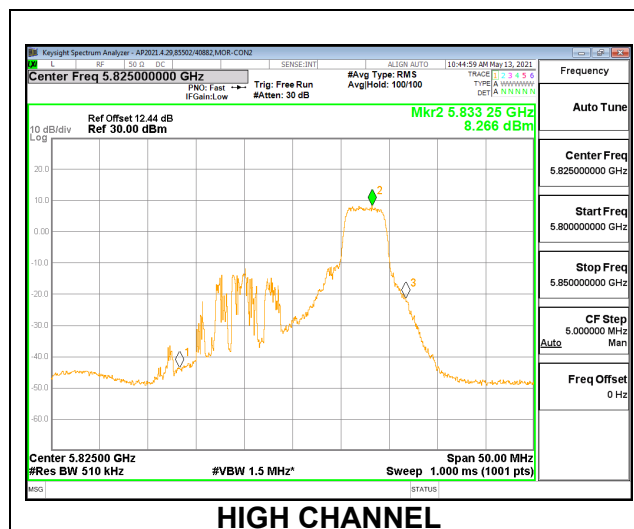
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	14.50	14.50	28.20	-13.70

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	8.266	8.266	28.20	-19.93



1TX Antenna B OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	85502/40882
Test Date:	2021-05-13

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
High	5825	7.80	28.20	28.20

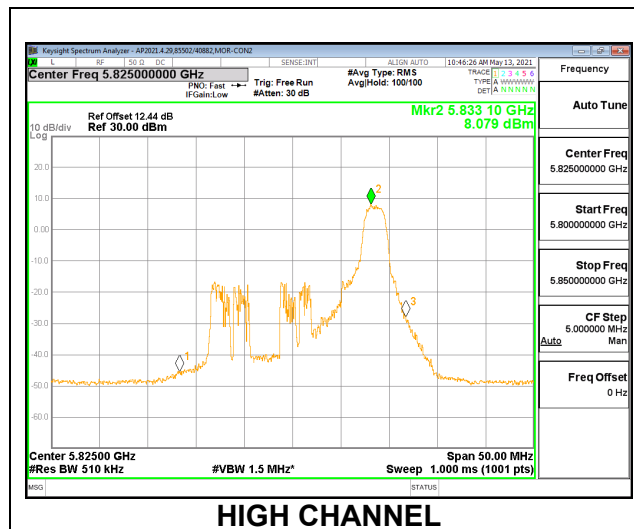
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	11.11	11.11	28.20	-17.09

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
High	5825	8.079	8.079	28.20	-20.12



9.4.3. 802.11ax HE80 MODE 2TX IN THE 5.8GHz BAND (FCC+IC)

2TX Antenna A + Antenna B SDM OFDMA MODE: SU, Single User

Test Engineer:	84740/40882
Test Date:	2021-04-29 – 2021-04-30

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

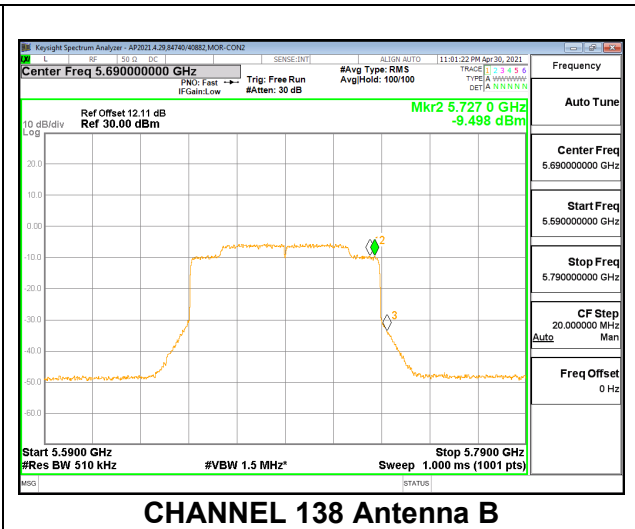
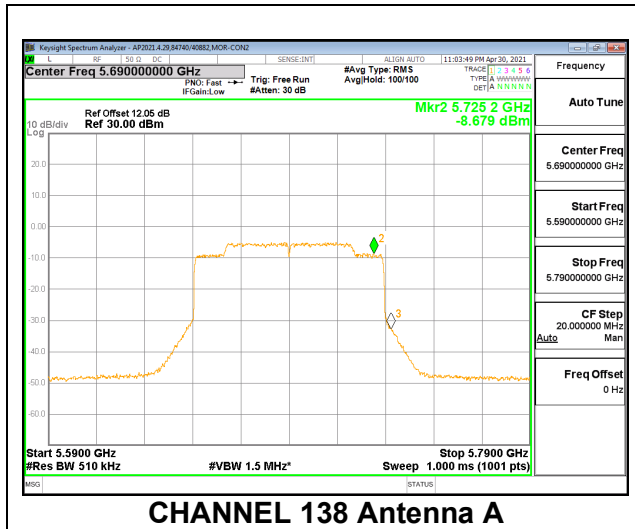
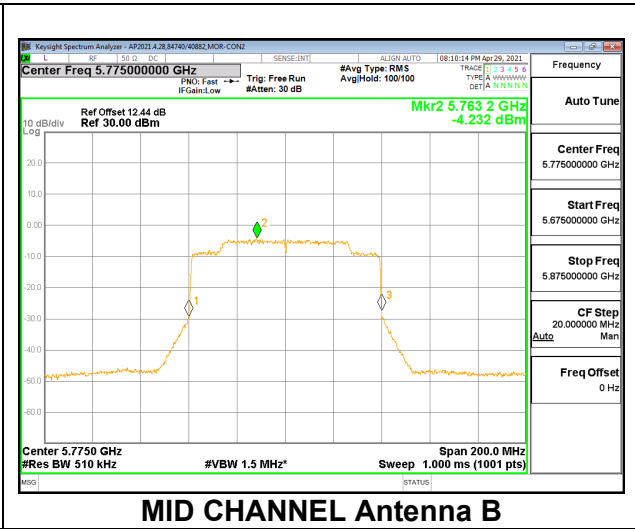
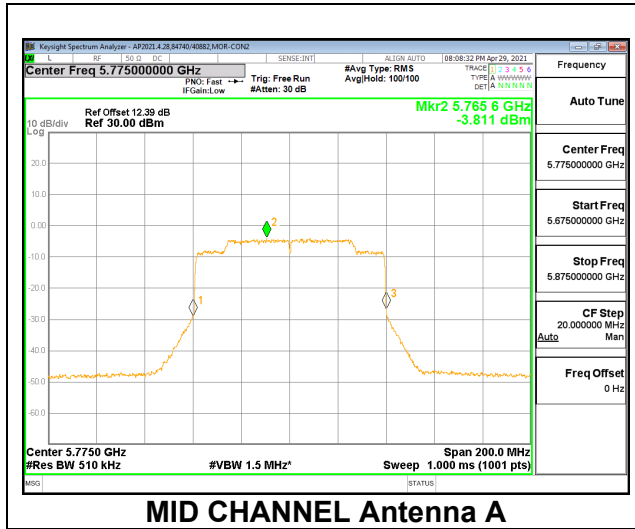
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.77	15.02	17.91	28.25	-10.34
138	5690	14.28	13.91	17.23	28.25	-11.02

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-3.811	-4.232	-0.886	28.25	-29.14
138	5690	-8.679	-9.498	-5.939	28.25	-34.19



2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	84740/40882
Test Date:	2021-04-29

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25

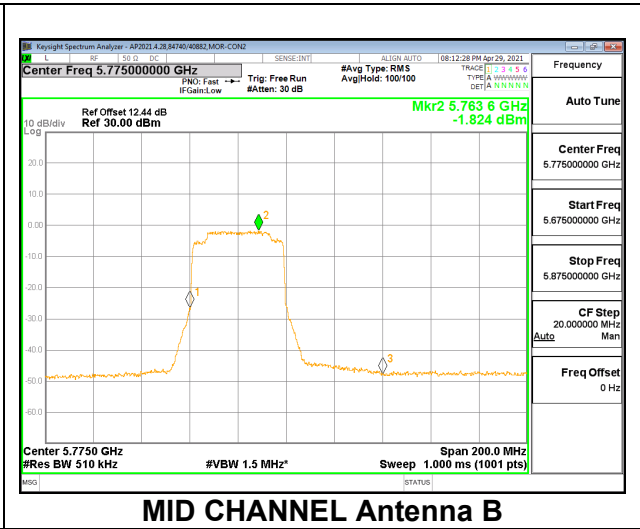
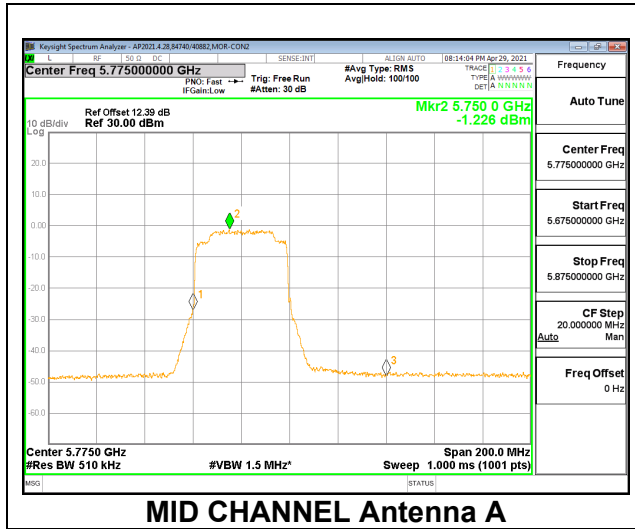
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	15.45	14.68	18.09	28.25	-10.16

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	-1.226	-1.824	1.496	28.25	-26.75



2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 66

Test Engineer:	84740/40882
Test Date:	2021-04-29, 2021-05-06

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5775	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

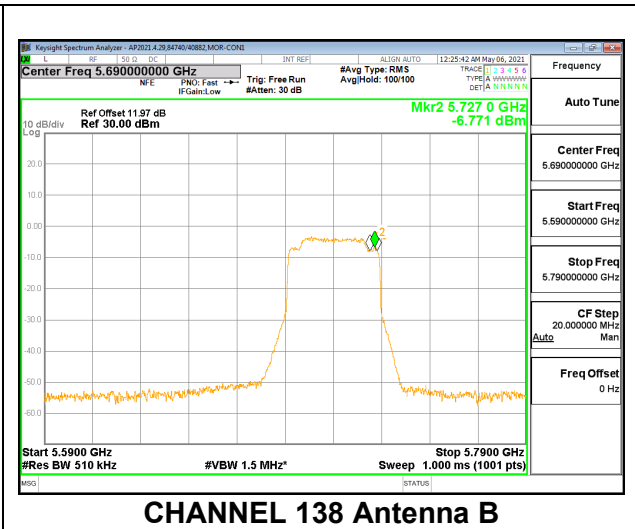
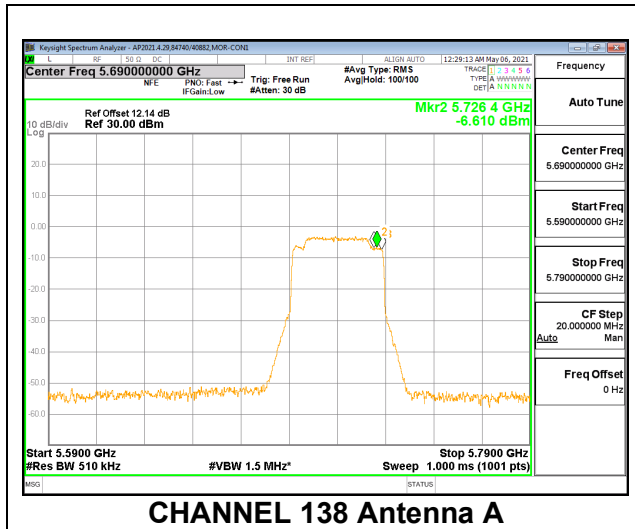
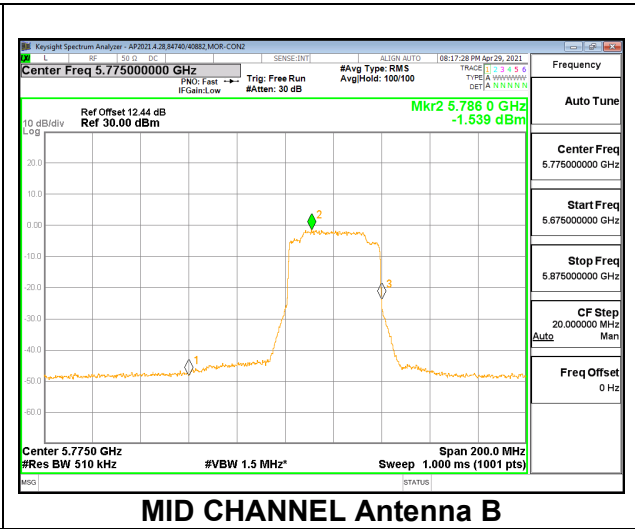
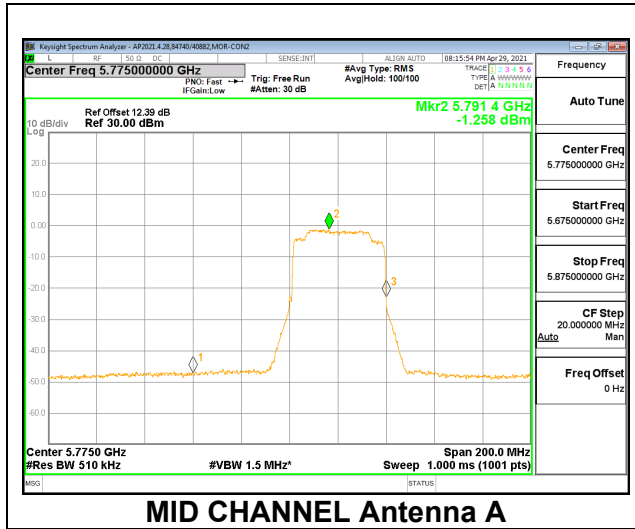
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.87	15.11	18.00	28.25	-10.25
138	5690	15.28	14.76	18.04	28.25	-10.21

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	-1.258	-1.539	1.614	28.25	-26.64
138	5690	-6.610	-6.771	-3.679	28.25	-31.93



2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	84740/40882
Test Date:	2021-04-29

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25

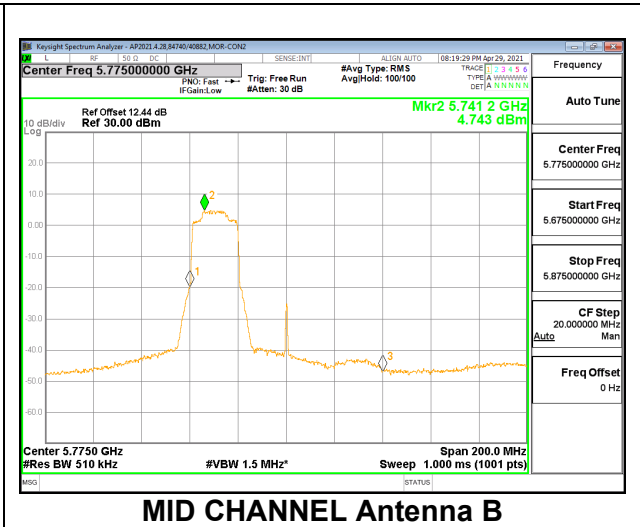
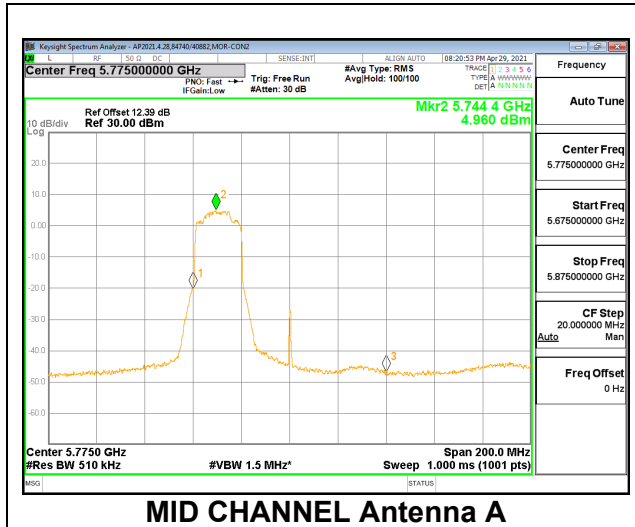
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	18.41	18.39	21.41	28.25	-6.84

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	4.960	4.743	7.863	28.25	-20.39



2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 62

Test Engineer:	84740/40882
Test Date:	2021-04-29

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25

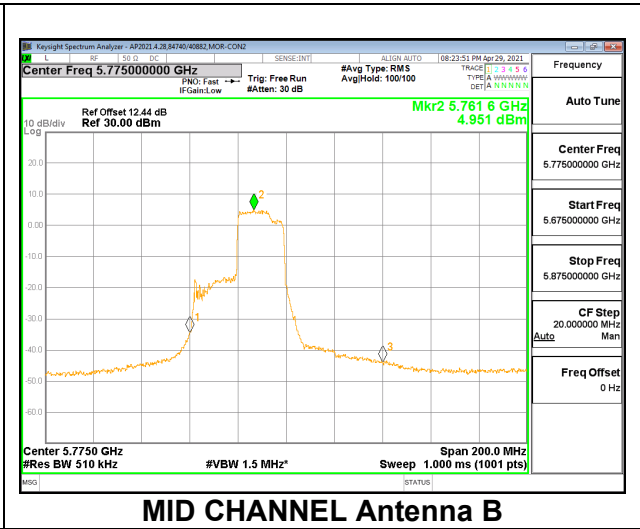
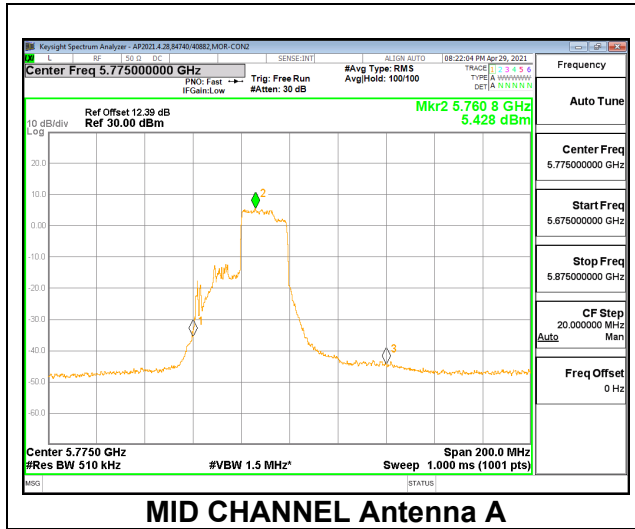
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	18.37	18.13	21.26	28.25	-6.99

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	5.428	4.951	8.206	28.25	-20.04



2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 64

Test Engineer:	84740/40882
Test Date:	2021-04-29, 2021-05-06

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

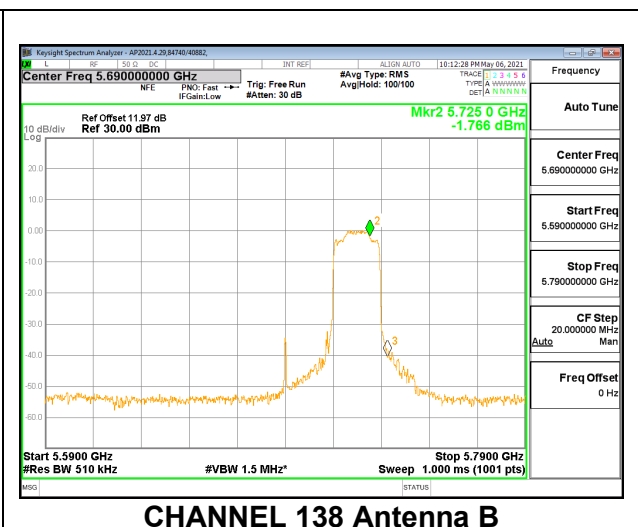
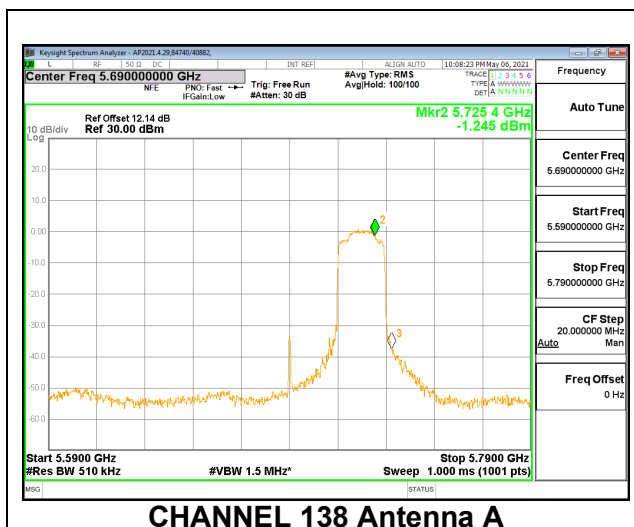
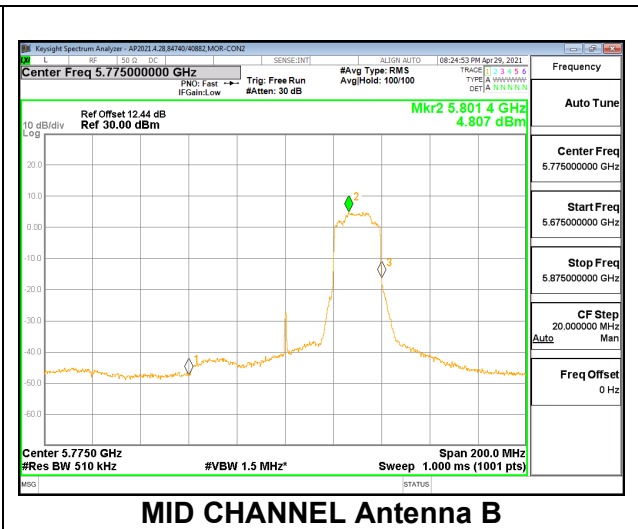
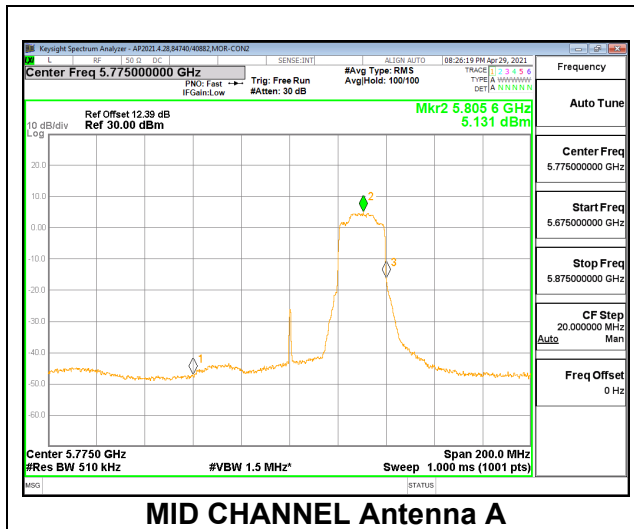
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	17.63	18.45	21.07	28.25	-7.18
138	5690	15.60	15.19	18.41	28.25	-9.84

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	5.131	4.807	7.982	28.25	-20.27
138	5690	-1.245	-1.766	1.513	28.25	-26.74



2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 53

Test Engineer:	84740/40882
Test Date:	2021-04-29

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25

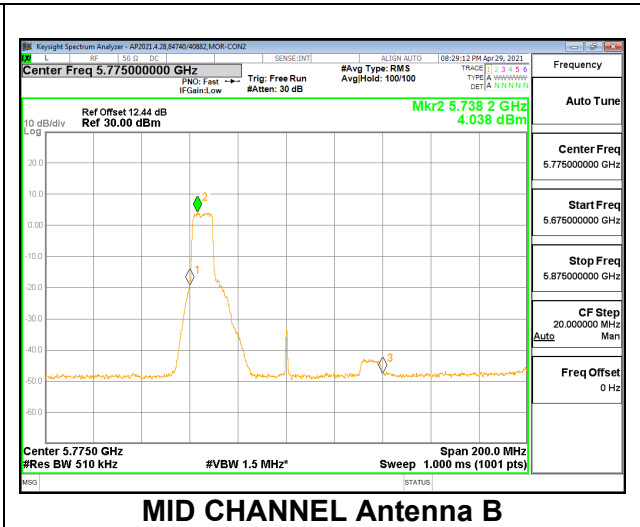
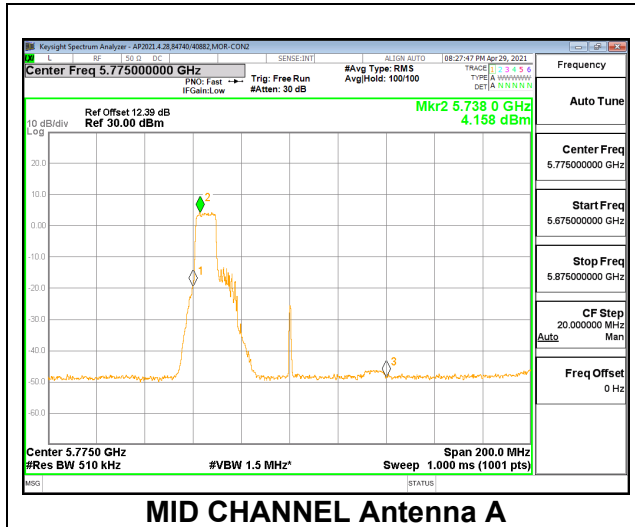
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	15.21	15.34	18.29	28.25	-9.96

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	4.158	4.038	7.109	28.25	-21.14



2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 56

Test Engineer:	84740/40882
Test Date:	2021-04-29

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25

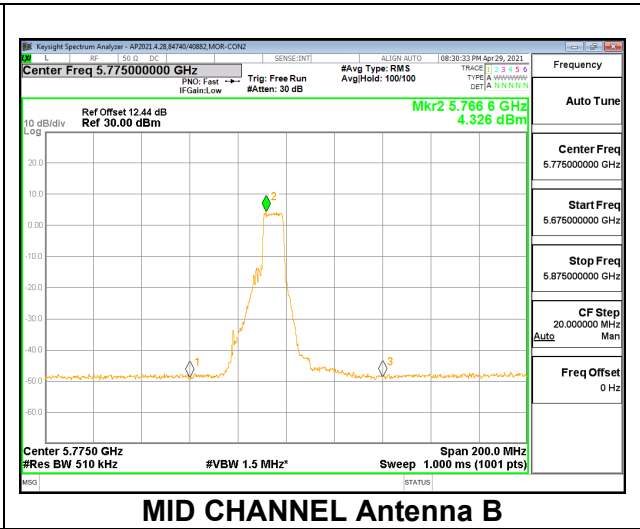
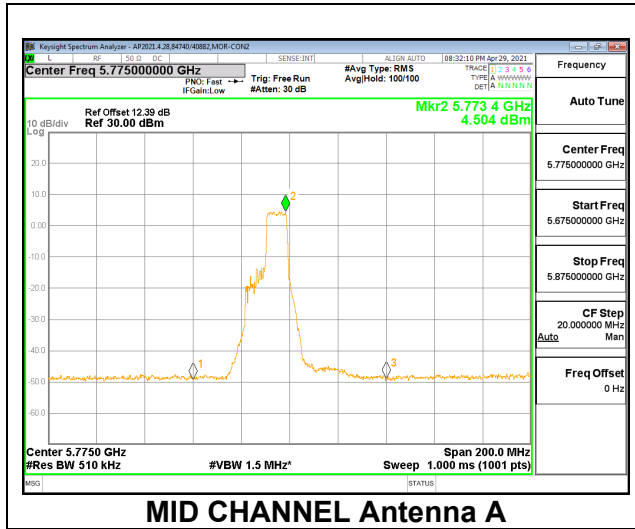
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	14.64	15.32	18.00	28.25	-10.25

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	4.504	4.326	7.426	28.25	-20.82



2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 60

Test Engineer:	84740/40882
Test Date:	2021-04-29, 2021-05-06

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

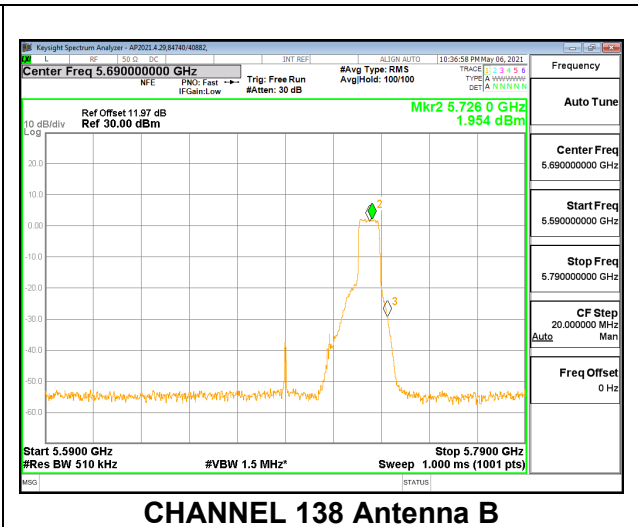
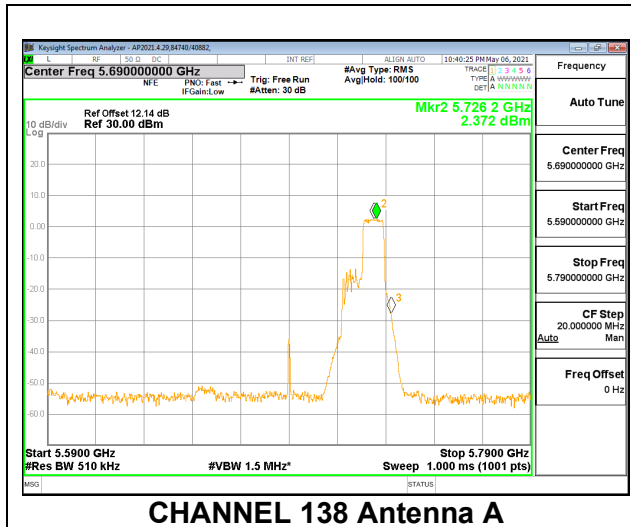
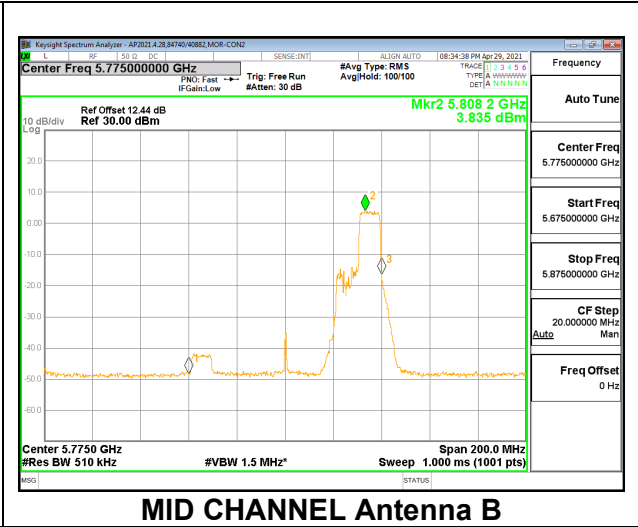
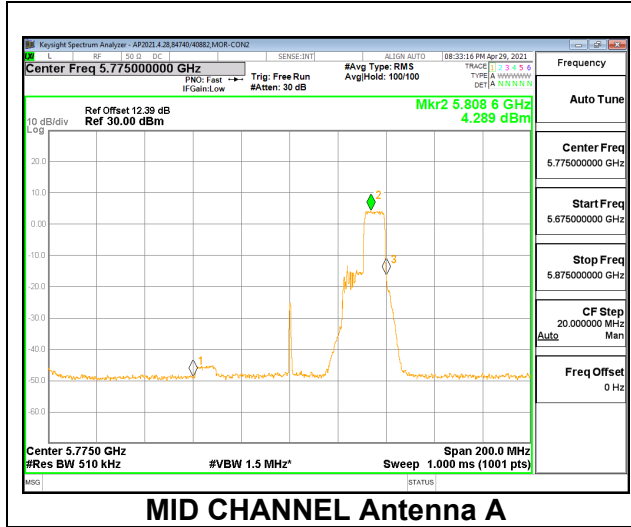
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	14.80	15.37	18.10	28.25	-10.15
138	5690	15.18	14.92	18.06	28.25	-10.19

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	4.289	3.835	7.078	28.25	-21.17
138	5690	2.372	1.954	5.178	28.25	-23.07



2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 37

Test Engineer:	22797/40882
Test Date:	2021-06-10

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	7.75	7.75	28.25	28.25

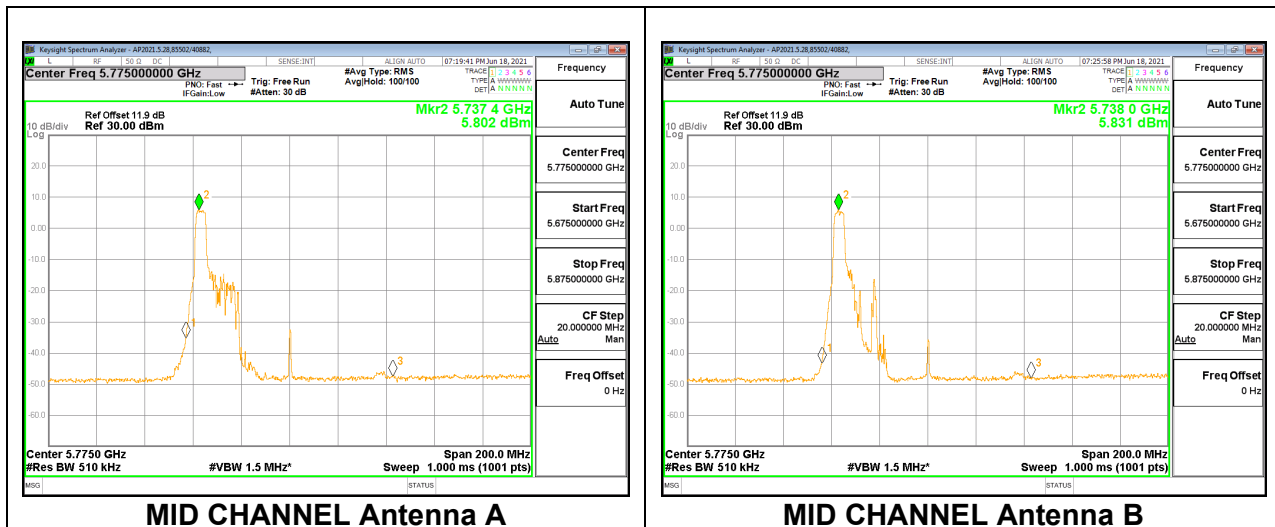
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	12.68	12.63	15.67	28.25	-12.58

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	5.802	5.831	8.827	28.25	-19.42



2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 44

Test Engineer:	22797/40882
Test Date:	2021-06-10

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	7.75	7.75	28.25	28.25

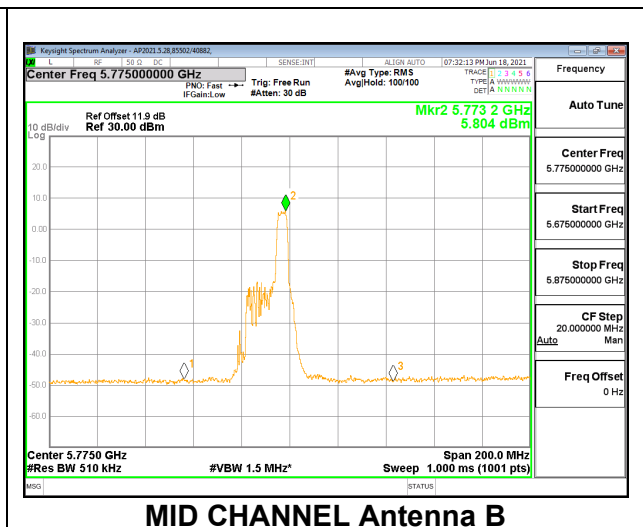
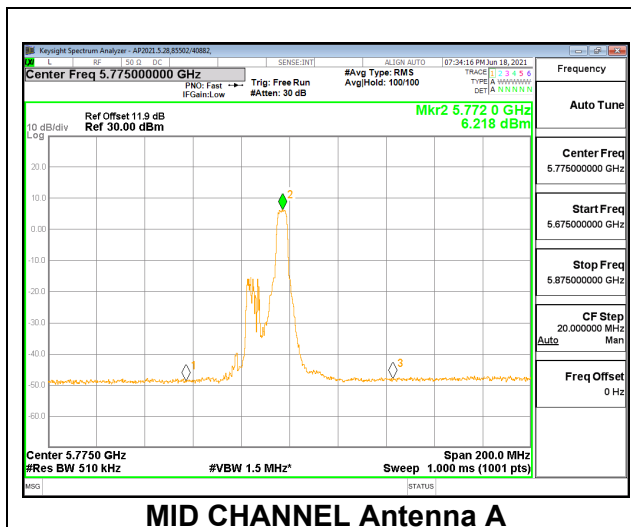
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	12.99	12.78	15.90	28.25	-12.35

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	6.218	5.804	9.026	28.25	-19.22



2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 52

Test Engineer:	22797/40882
Test Date:	2021-06-11

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

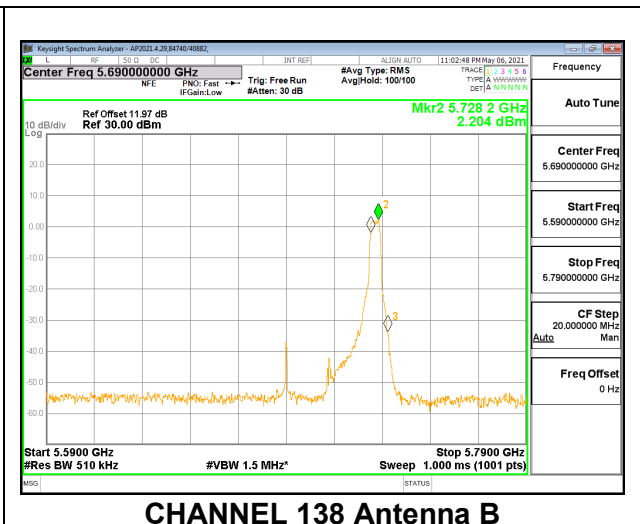
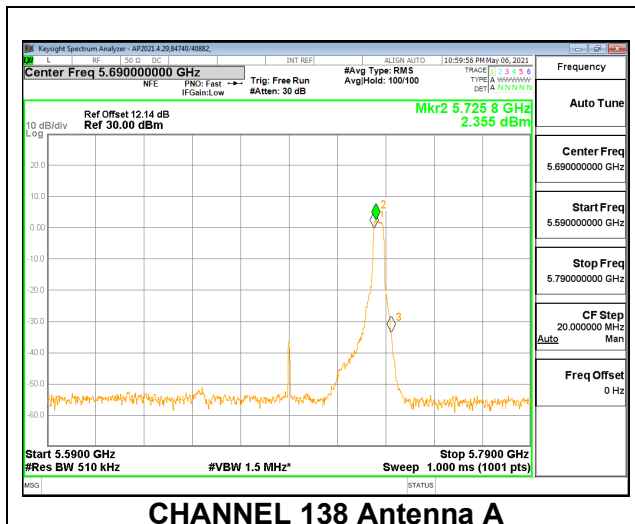
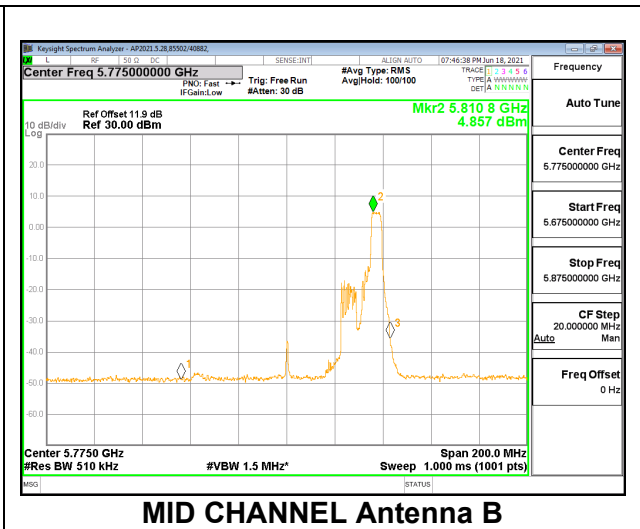
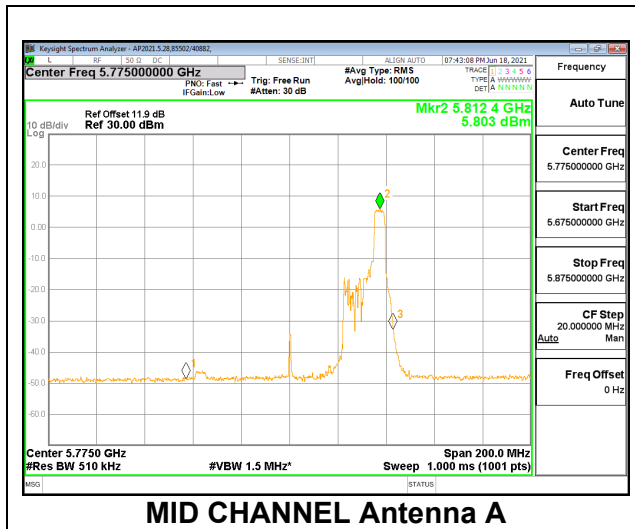
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	12.74	12.68	15.72	28.25	-12.53
138	5690	12.20	11.98	15.10	28.25	-13.15

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	5.803	4.857	8.366	28.25	-19.88
138	5690	2.355	2.204	5.290	28.25	-22.96



2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	22797/40882
Test Date:	2021-06-11

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	7.75	7.75	28.25	28.25

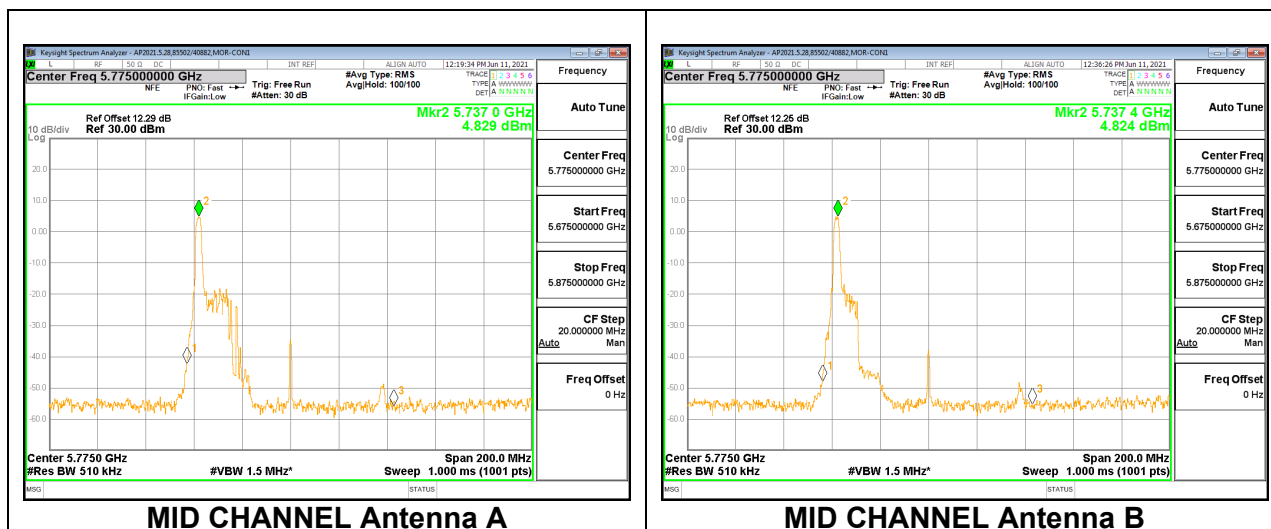
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	11.71	11.61	14.67	28.25	-13.58

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	4.829	4.824	7.837	28.25	-20.41



2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	22797/40882
Test Date:	2021-06-10

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	7.75	7.75	28.25	28.25

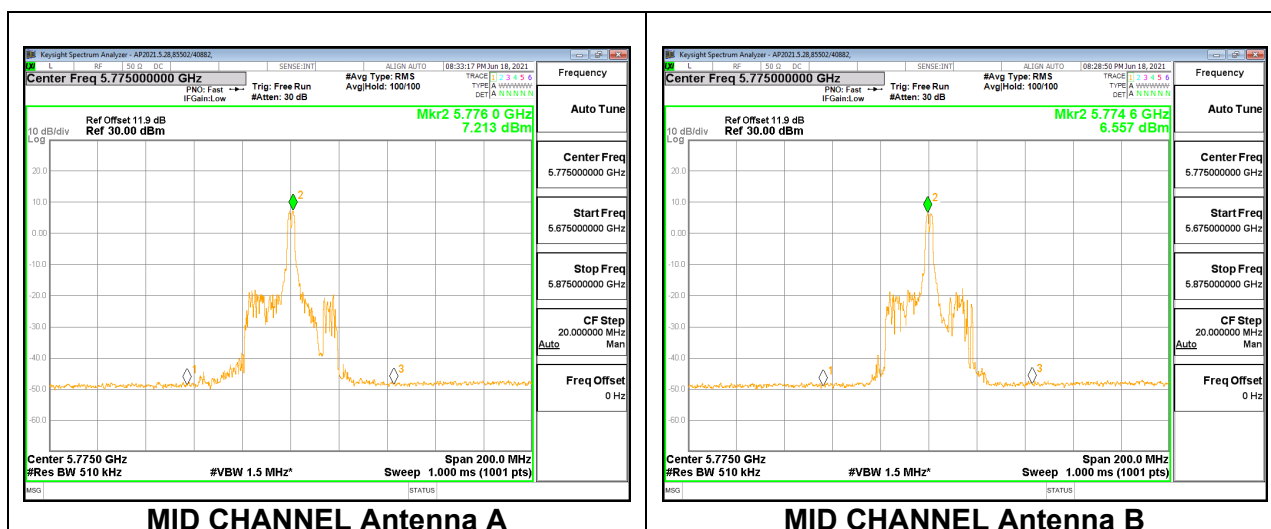
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	11.44	11.21	14.34	28.25	-13.91

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/500KHz)	Antenna B Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	7.213	6.557	9.908	28.25	-18.34



2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	22797/40882
Test Date:	2021-06-11

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

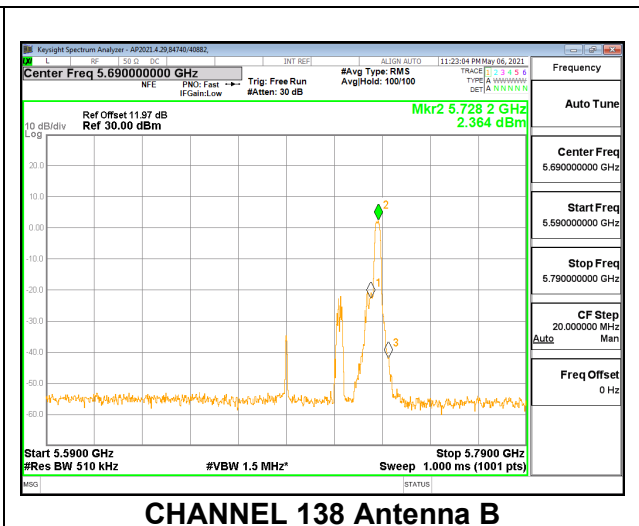
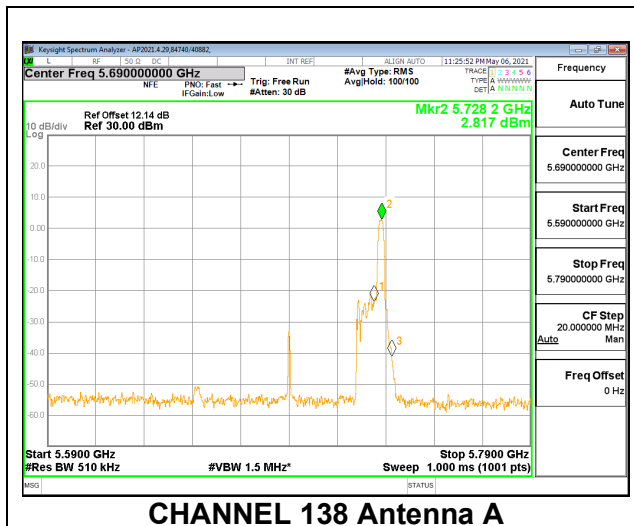
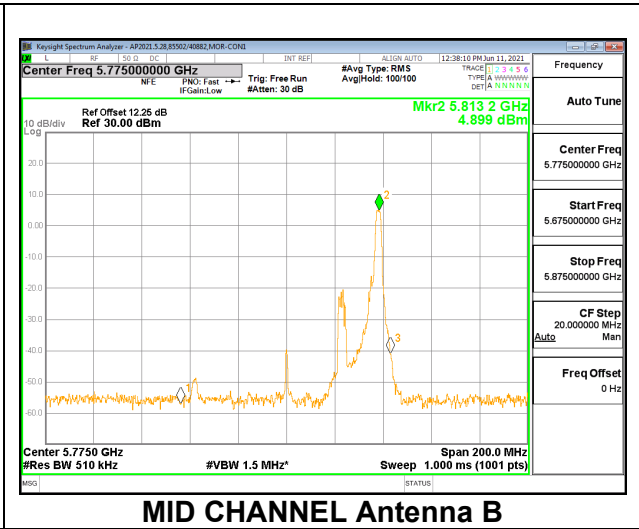
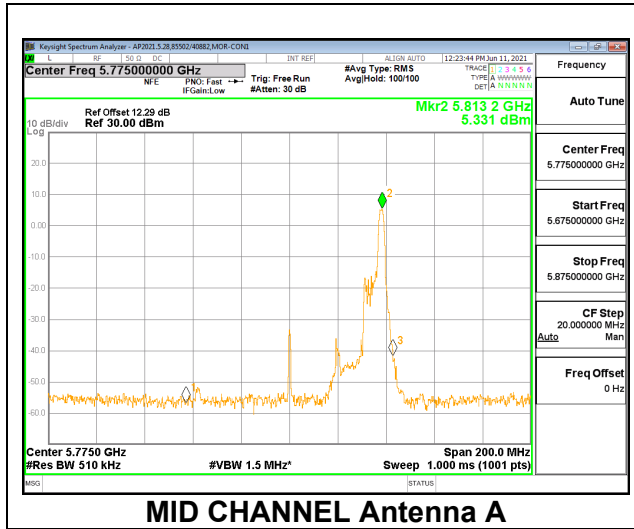
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	11.79	11.66	14.74	28.25	-13.51
138	5690	9.40	8.94	12.19	28.25	-16.06

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 500KHz)	Antenna B Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	5.331	4.899	8.131	28.25	-20.12
138	5690	2.817	2.364	5.607	28.25	-22.64



9.4.4. 802.11ax HE80 MODE 1TX IN THE 5.8GHZ BAND (FCC+IC)

1TX Antenna A OFDMA MODE: SU, Single User

Test Engineer:	84740/40882
Test Date:	2021-04-29, 2021-05-07

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	7.80	28.20	28.20
138	5690	7.80	28.20	28.20

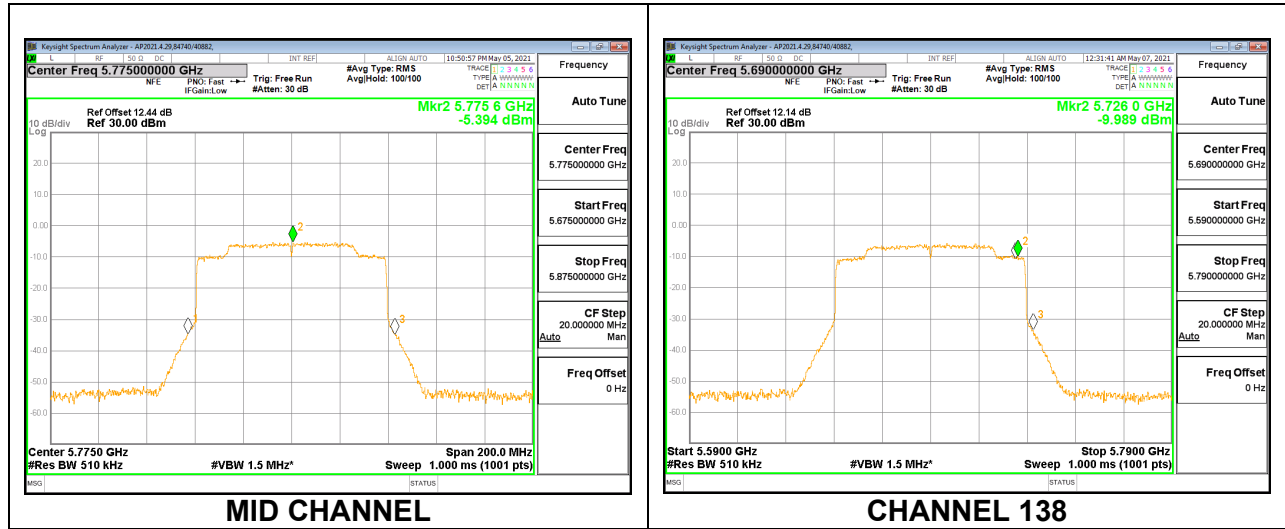
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	15.53	15.53	28.20	-12.67
138	5690	15.29	15.41	28.20	-12.79

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-5.394	-5.274	28.20	-33.47
138	5690	-9.989	-9.869	28.20	-38.07



1TX Antenna A OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	84740/40882
Test Date:	2021-04-29

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	7.80	28.20	28.20

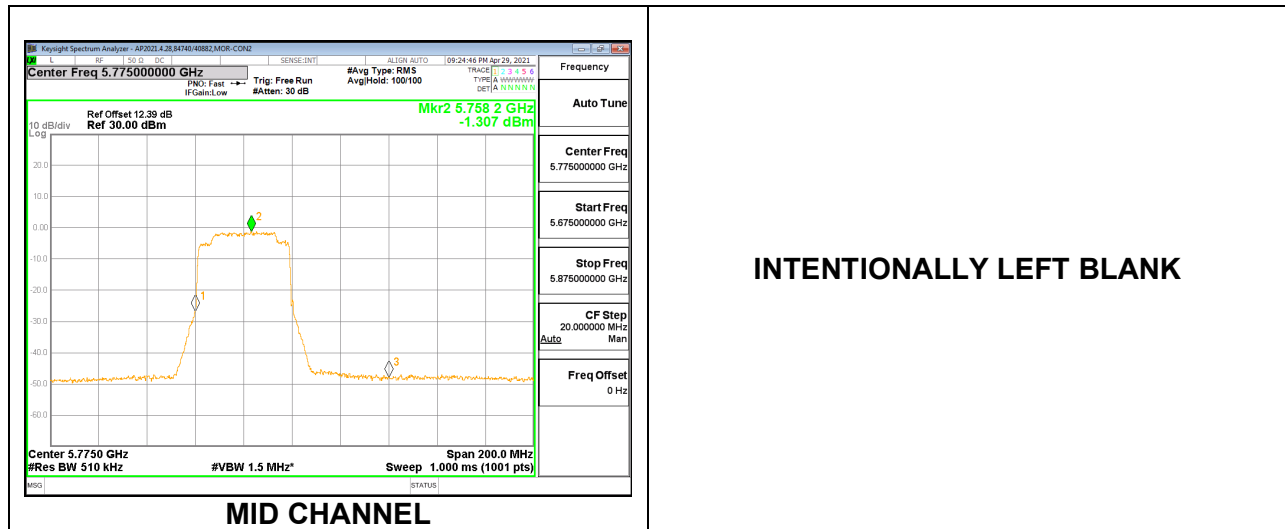
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	15.60	15.60	28.20	-12.60

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/)	Total Corr'd PSD (dBm/)	PSD Limit (dBm/)	PSD Margin (dB)
Mid	5775	-1.307	-1.307	28.20	-29.51



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1TX Antenna A OFDMA MODE: 484-Tones, RU Index 66

Test Engineer:	84740/40882
Test Date:	2021-04-29, 2021-05-07

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	7.80	28.20	28.20
138	5690	7.80	28.20	28.20

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)
Mid	5775	15.33	15.33	28.20	-12.87
138	5690	18.09	18.09	28.20	-10.11

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-1.021	-1.021	28.20	-29.22
138	5690	-3.700	-3.700	28.20	-31.90