

RESULTS

9.5.1. 802.11ax HE20 MODE 2TX IN THE 5.2GHz BAND (FCC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.81	10.65	13.74	24.00	-10.26

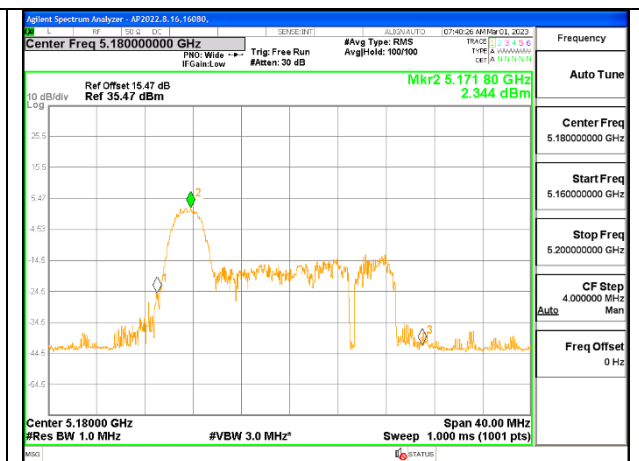
PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.132	2.344	9.39	11.00	-1.61

LOW CHANNEL



LOW CHANNEL Antenna 3



LOW CHANNEL Antenna 2

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 4

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5200	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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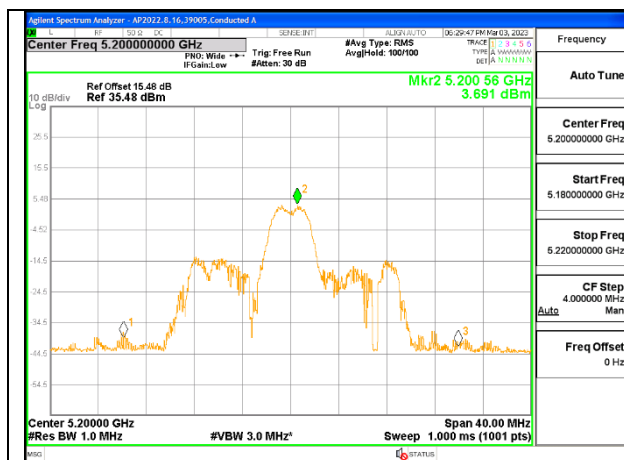
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5200	10.66	10.47	13.58	24.00	-10.42

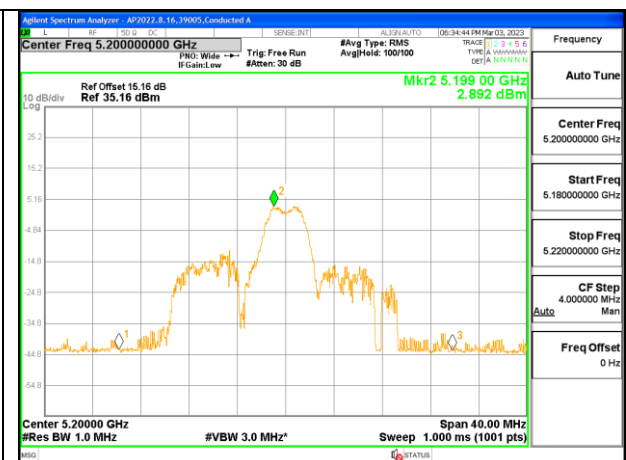
PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5200	3.691	2.892	9.37	11.00	-1.63

MID CHANNEL



MID CHANNEL Antenna 3



MID CHANNEL Antenna 2

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
High	5240	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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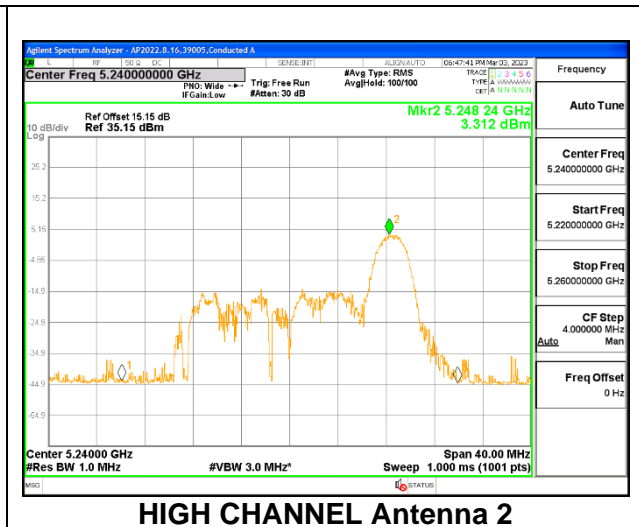
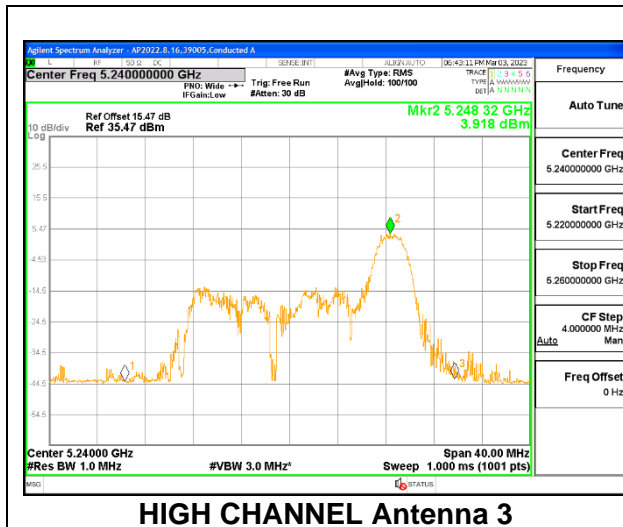
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5240	10.68	10.67	13.69	24.00	-10.31

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
High	5240	3.918	3.312	9.69	11.00	-1.31

HIGH CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	2.65	5.66	24.00	11.00
Mid	5200	2.65	5.66	24.00	11.00
High	5240	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	4.15	Included in Calculations of Corr'd PSD
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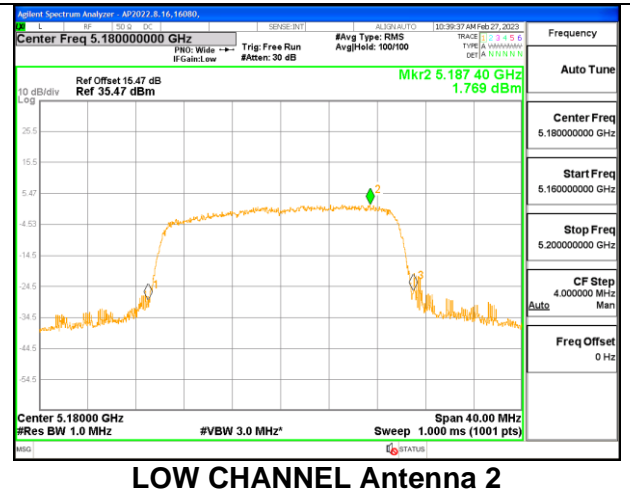
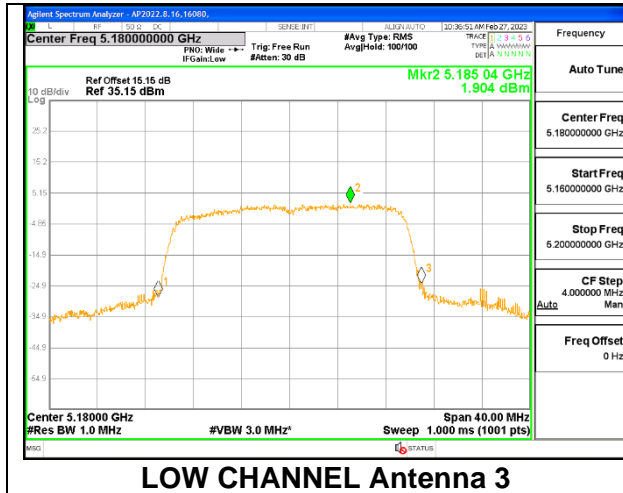
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.46	17.47	20.48	24.00	-3.52
Mid	5200	17.52	17.60	20.57	24.00	-3.43
High	5240	17.78	17.48	20.64	24.00	-3.36

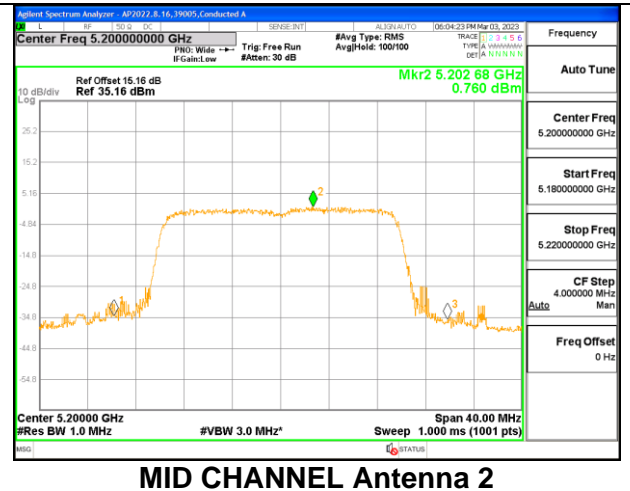
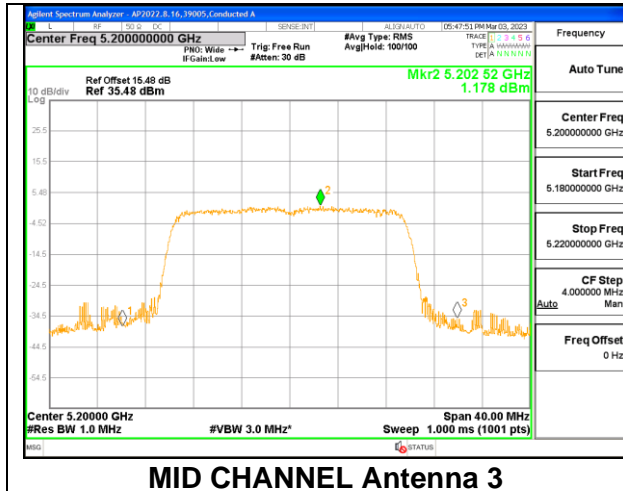
PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	1.904	1.769	9.00	11.00	-2.00
Mid	5200	1.178	0.760	8.13	11.00	-2.87
High	5240	1.064	0.875	8.13	11.00	-2.87

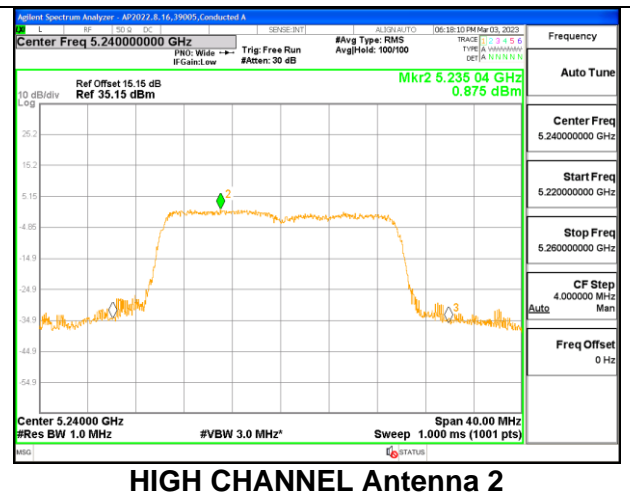
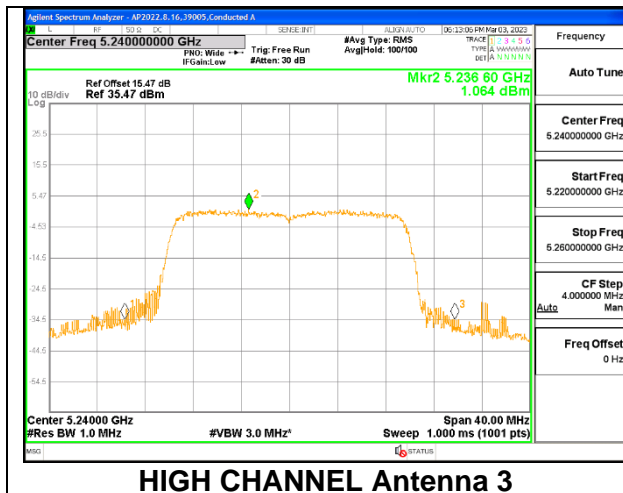
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 3 + Antenna 4 CDD MODE: SU (Single User)

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	2.65	5.66	24.00	11.00
Mid	5200	2.65	5.66	24.00	11.00
High	5240	2.65	5.66	24.00	11.00

Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.40	17.35	20.39	24.00	-3.61
Mid	5200	17.48	17.40	20.45	24.00	-3.55
High	5240	17.68	17.58	20.64	24.00	-3.36

9.5.2. 802.11ax HE40 MODE 2TX IN THE 5.2GHz BAND (FCC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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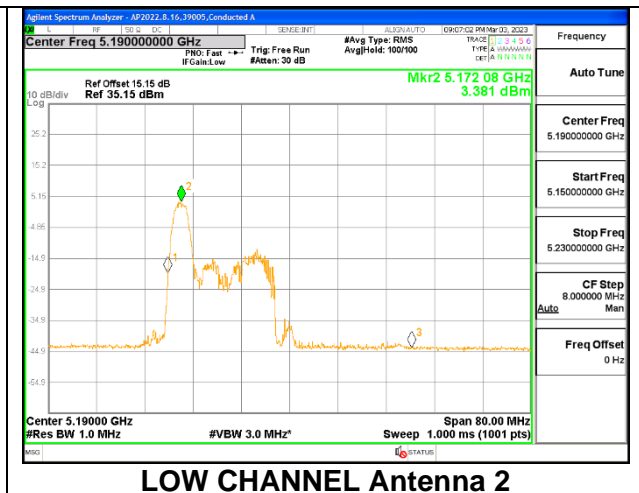
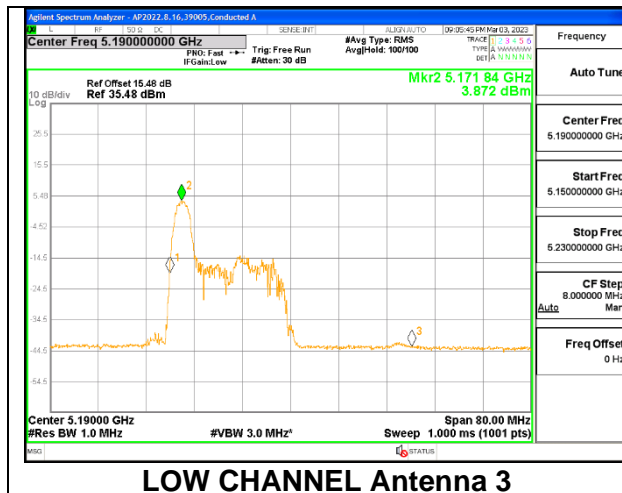
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.68	11.32	14.51	24.00	-9.49

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	3.872	3.381	9.67	11.00	-1.33

LOW CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
High	5230	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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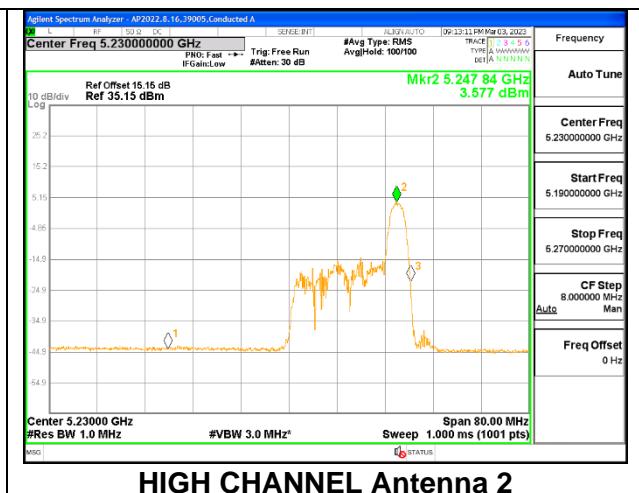
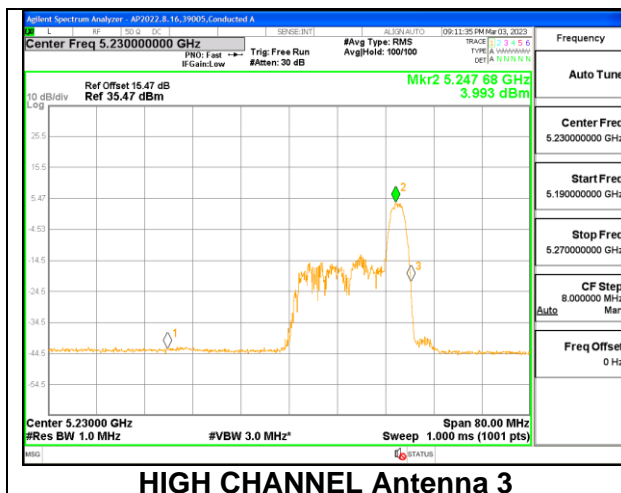
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5230	11.97	11.40	14.70	24.00	-9.30

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
High	5230	3.993	3.577	9.83	11.00	-1.17

HIGH CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	2.65	5.66	24.00	11.00
High	5230	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	4.21	Included in Calculations of Corr'd PSD
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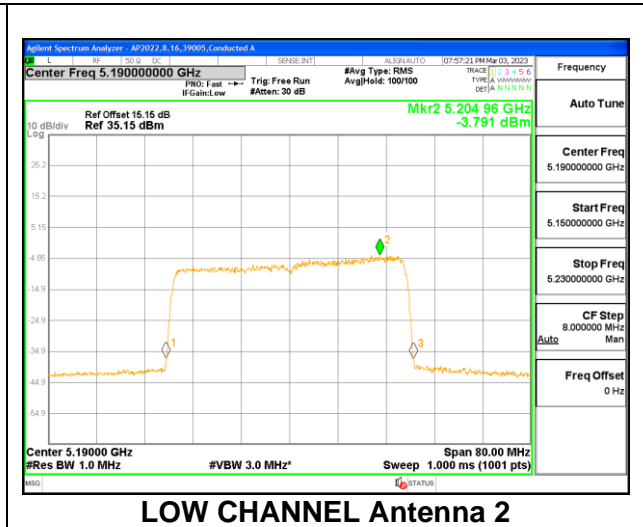
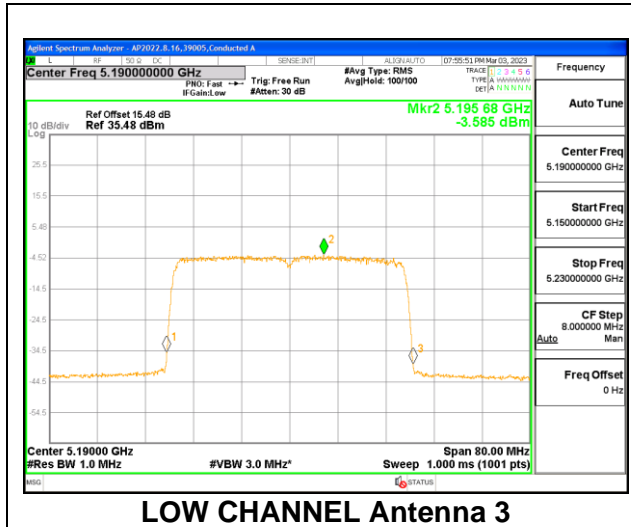
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.67	15.35	18.52	24.00	-5.48
High	5230	15.60	15.20	18.41	24.00	-5.59

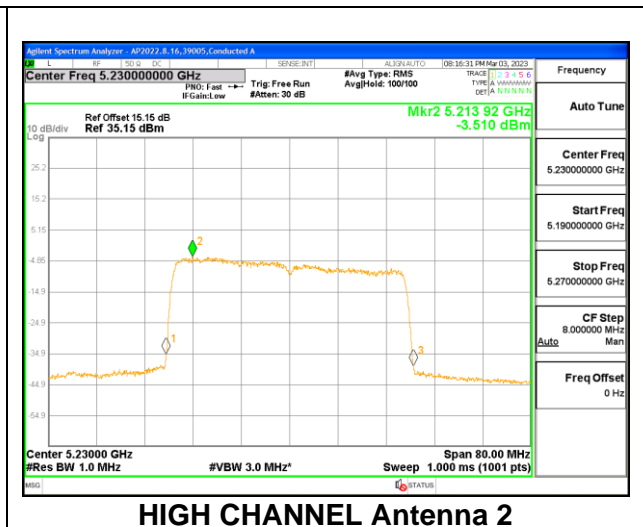
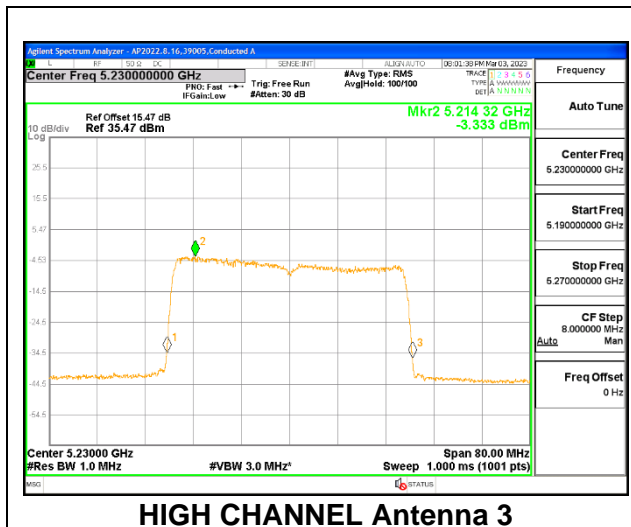
PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-3.585	-3.791	3.53	11.00	-7.47
High	5230	-3.333	-3.510	3.80	11.00	-7.20

LOW CHANNEL



HIGH CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	2.65	5.66	24.00	11.00
High	5230	2.65	5.66	24.00	11.00

Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.62	15.30	18.47	24.00	-5.53
High	5230	15.53	15.15	18.35	24.00	-5.65

9.5.3. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND (FCC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PSD
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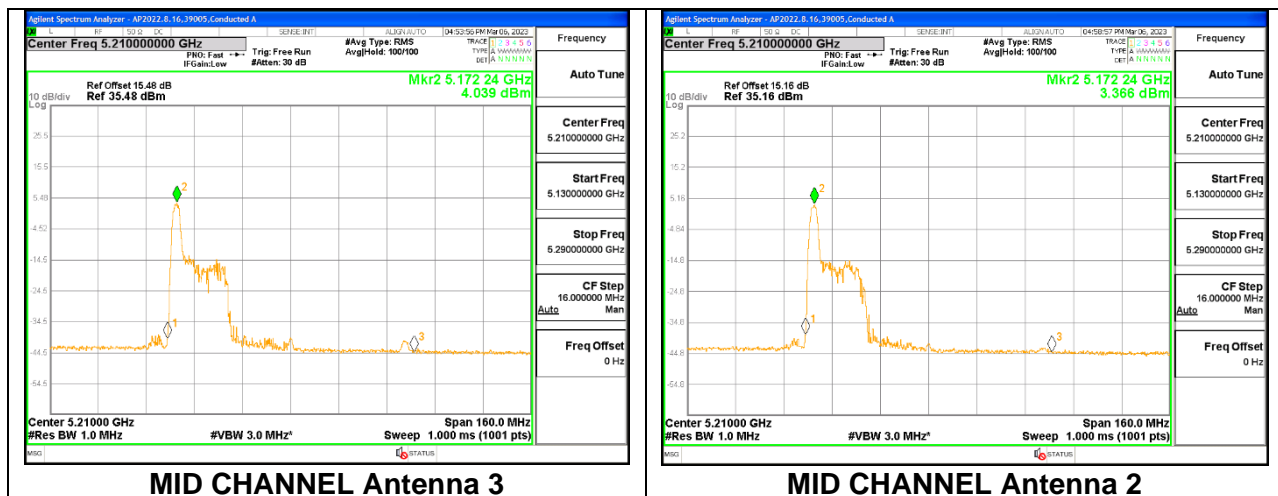
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	10.80	10.45	13.64	24.00	-10.36

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	4.039	3.366	10.01	11.00	-0.99

MID CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PSD
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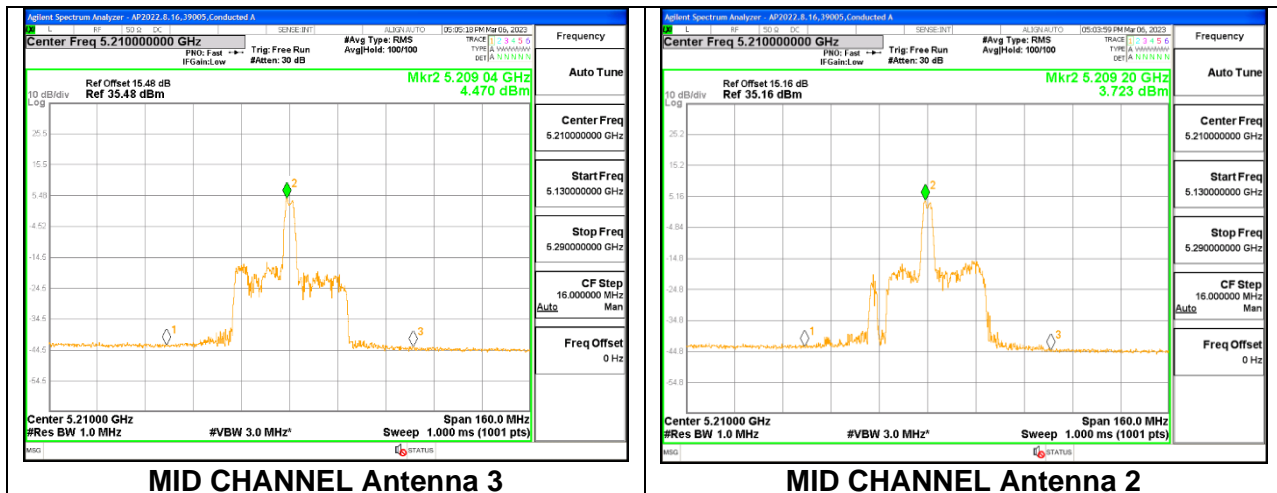
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	10.92	10.71	13.83	24.00	-10.17

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	4.470	3.723	10.40	11.00	-0.60

MID CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PSD
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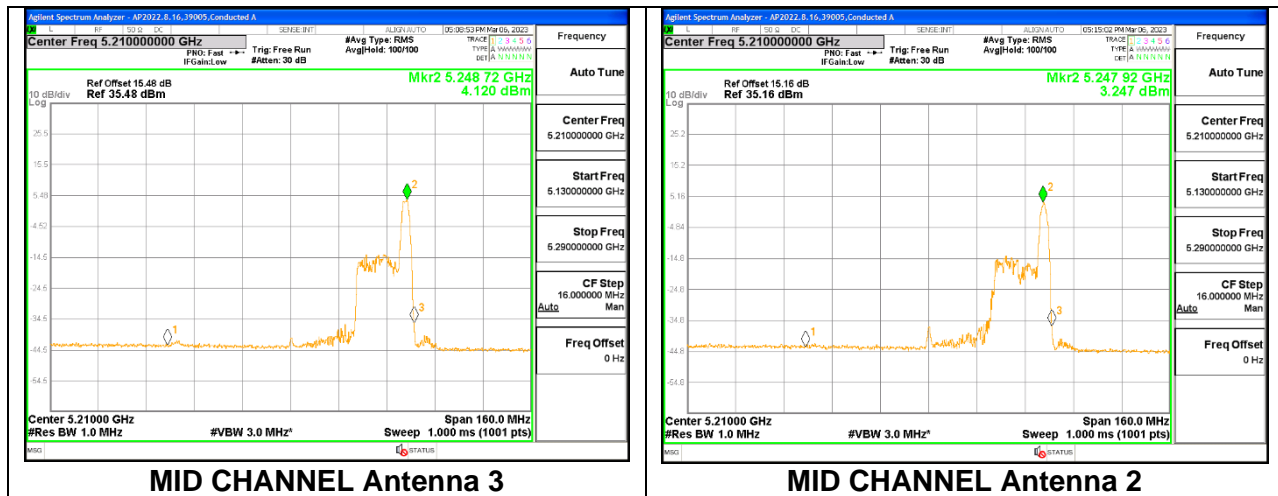
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	10.97	10.92	13.96	24.00	-10.04

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	4.120	3.247	10.00	11.00	-1.00

MID CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	2.65	5.66	24.00	11.00

Duty Cycle CF (dB)	4.54	Included in Calculations of Corr'd PSD
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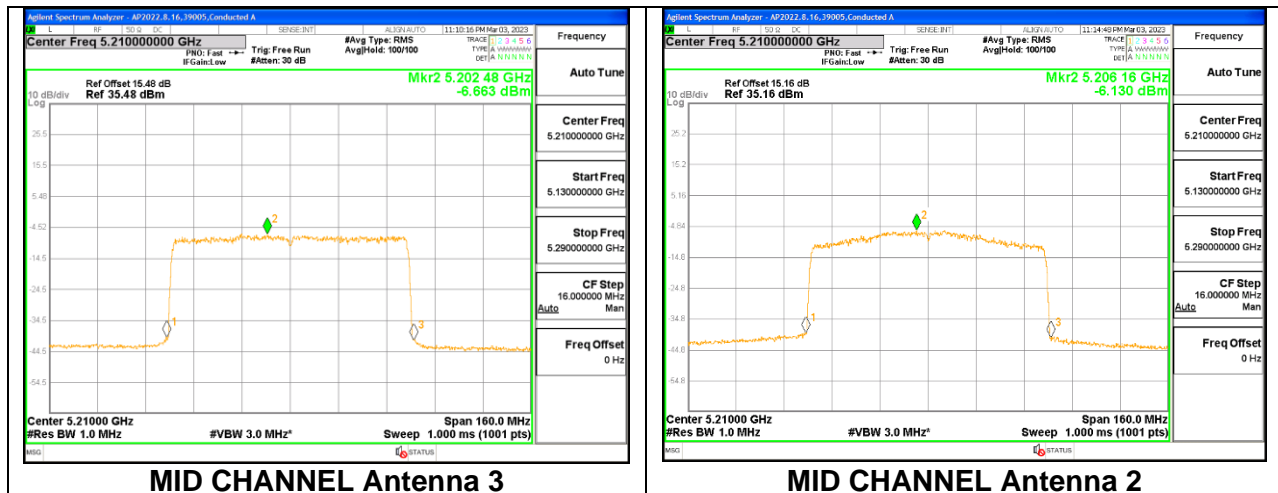
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.66	15.40	18.54	24.00	-5.46

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	-6.663	-6.130	1.16	11.00	-9.84

MID CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	2.65	5.66	24.00	11.00

Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.63	15.40	18.53	24.00	-5.47

9.5.4. 802.11ax HE20 MODE 2TX IN THE 5.2GHz BAND (IC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	JB45256
Test Date:	2023-03-15

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.612

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Low	5180	22.70	10.00

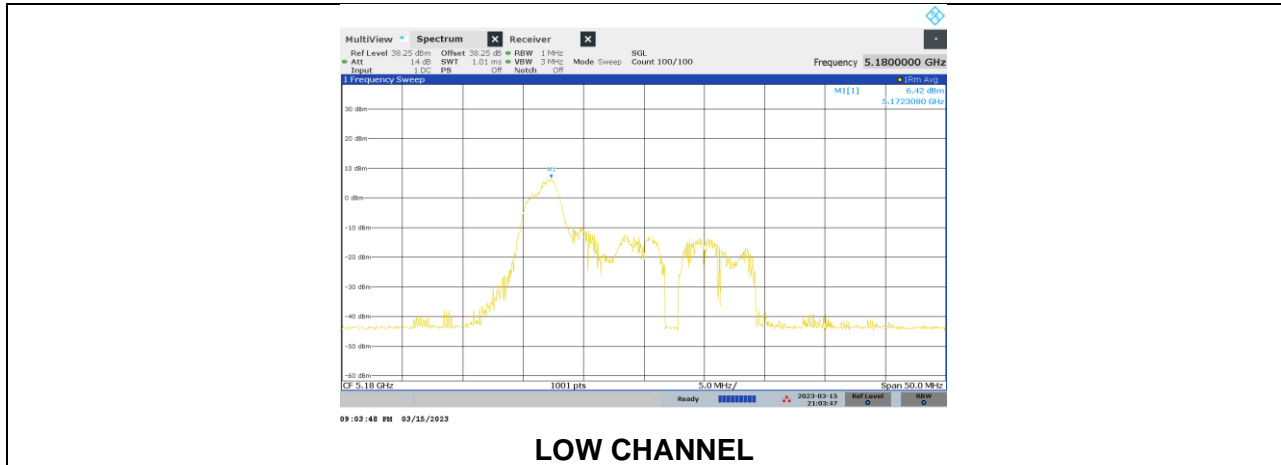
Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	12.31	12.31	22.70	-10.39

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.42	9.47	10.00	-0.53



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 4

Test Engineer:	JB45256
Test Date:	2023-03-15

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5200	17.077

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Mid	5200	22.32	10.00

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5200	12.41	12.41	22.32	-9.91

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5200	6.27	9.32	10.00	-0.68



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	JB45256
Test Date:	2023-03-15

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
High	5240	18.651

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
High	5240	22.71	10.00

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5240	11.92	11.92	22.71	-10.78

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5240	6.22	9.27	10.00	-0.73



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	JB45256
Test Date:	2023-03-15

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.972
Mid	5200	19.084
High	5240	19.030

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Low	5180	22.78	10.00
Mid	5200	22.81	10.00
High	5240	22.79	10.00

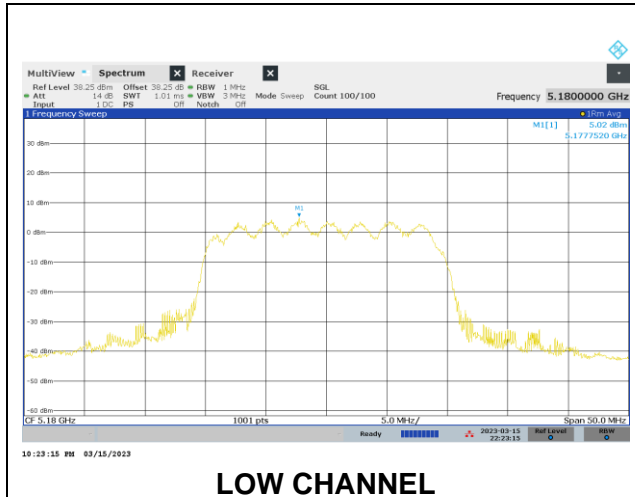
Duty Cycle CF (dB)	4.15	Included in Calculations of Corr'd PSD
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Output Power Results

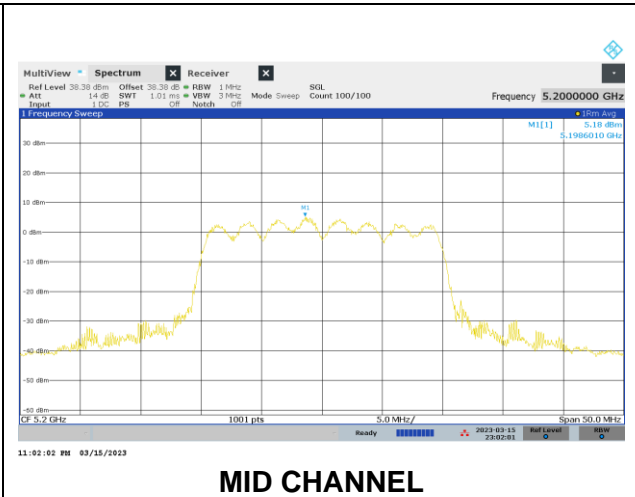
Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.99	18.99	22.78	-3.79
Mid	5200	19.62	19.62	22.81	-3.18
High	5240	19.27	19.27	22.79	-3.52

PSD Results

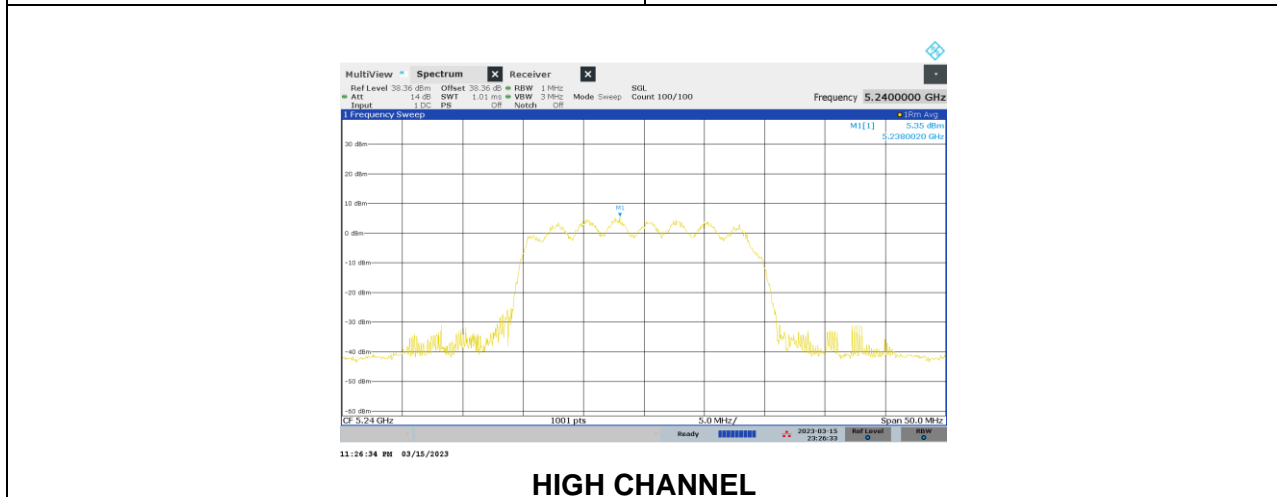
Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	5.02	9.17	10.00	-0.83
Mid	5200	5.18	9.33	10.00	-0.67
High	5240	5.35	9.50	10.00	-0.50



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

2TX Antenna 3 + Antenna 2 CDD MODE: SU, Single User

Tested output power only

Test Engineer:	JB45256
Test Date:	2023-03-15

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.920
Mid	5200	18.914
High	5240	18.939

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Low	5180	22.77
Mid	5200	22.77
High	5240	22.77

Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.72	22.77	-6.05
Mid	5200	18.69	22.77	-4.07
High	5240	17.84	22.77	-4.93

9.5.5. 802.11ax HE40 MODE 2TX IN THE 5.2GHz BAND (IC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	JB45256
Test Date:	2023-03-21

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	17.917

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Low	5190	22.53	10.00

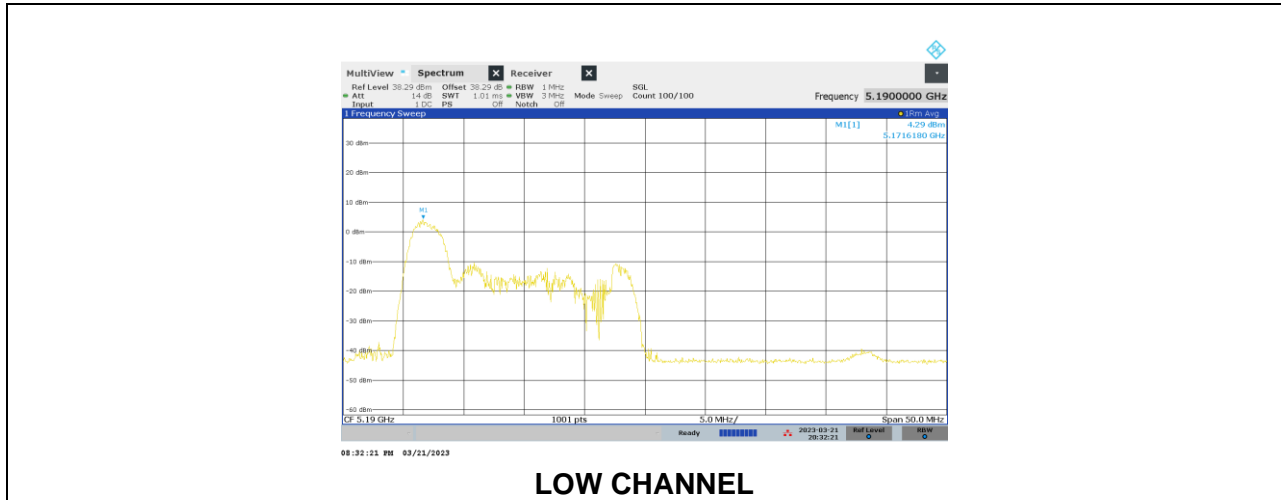
Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.68	10.68	22.53	-11.86

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.29	7.32	10.00	-2.68



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	CW20756
Test Date:	2023-03-16

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
High	5230	17.895

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
High	5230	22.53	10.00

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5230	11.73	11.73	22.53	-10.79

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5230	5.40	8.43	10.00	-1.57



HIGH CHANNEL

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	CW20756
Test Date:	2023-03-16

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.560
High	5230	37.817

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

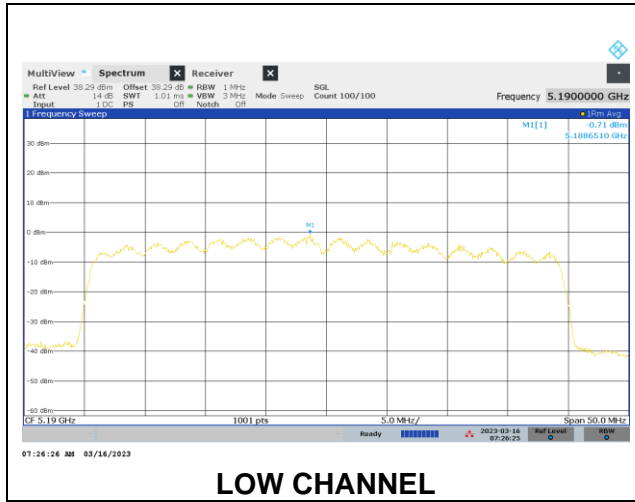
Duty Cycle CF (dB)	4.21	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	13.36	13.36	23.00	-9.64
High	5230	14.08	14.08	23.00	-8.92

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-0.71	3.50	10.00	-6.50
High	5230	-0.41	3.80	10.00	-6.20



2TX Antenna 3 + Antenna 2 CDD MODE: SU, Single User

Tested output power only

Test Engineer:	CW20756
Test Date:	2023-03-16

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.185
High	5230	37.433

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Low	5190	23.00
High	5230	23.00

Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	13.20	23.00	-9.80
High	5230	14.01	23.00	-8.99

9.5.6. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND (IC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	CW20756
Test Date:	2023-03-16

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	18.086

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Mid	5210	22.57	10.00

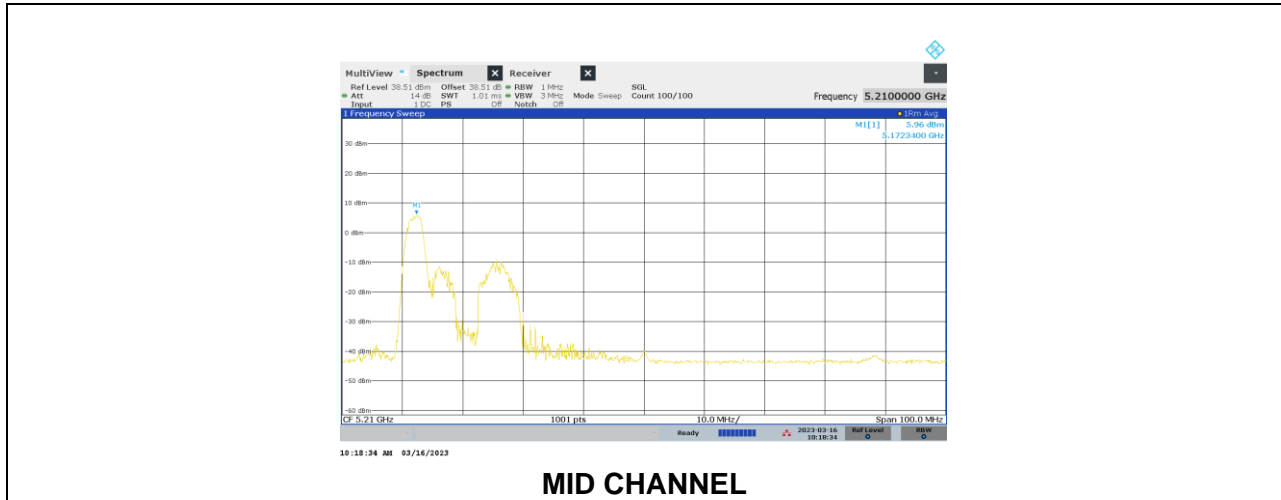
Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.58	11.58	22.57	-10.99

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	5.96	9.24	10.00	-0.76



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	CW20756
Test Date:	2023-03-16

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	76.777

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

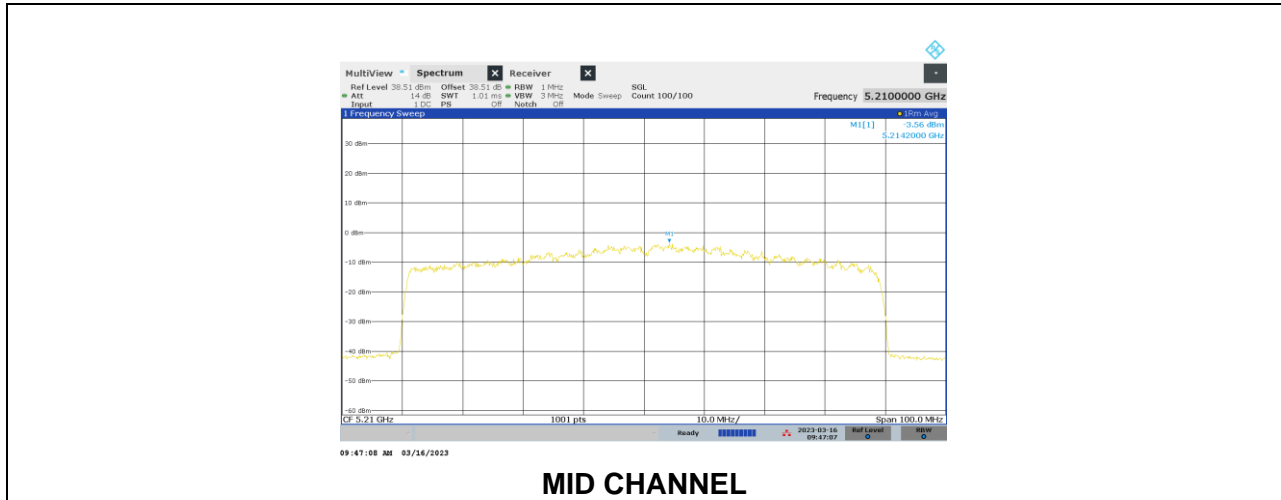
Duty Cycle CF (dB)	4.54	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.41	15.41	23.00	-7.59

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-3.56	0.98	10.00	-9.02



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: SU, Single User

Tested output power only

Test Engineer:	CW20756
Test Date:	2023-03-16

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	76.678

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED eirp PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.49	13.49	23.00	-9.51

9.5.7. 802.11ax HE20 MODE 2TX IN THE 5.3GHz BAND (FCC+IC)

2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5260	20.44	18.557	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.69	29.69	23.69	10.94	11.00	10.94

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PPSD
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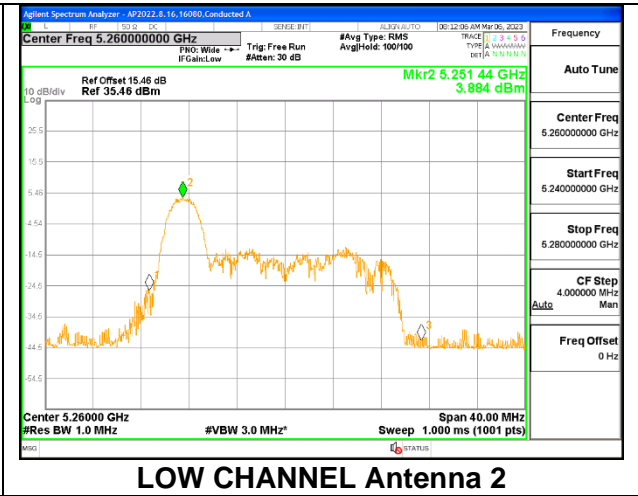
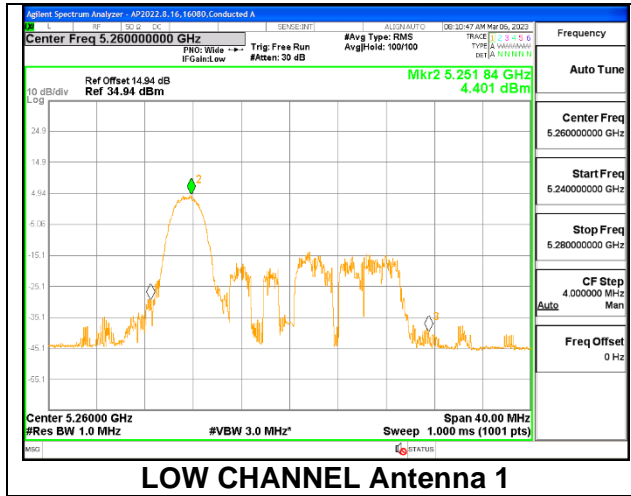
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.53	11.25	14.40	23.69	-9.28

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	4.401	3.884	10.21	10.94	-0.73

LOW CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 4

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5300	18.20	17.025	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5300	23.60	23.31	29.31	23.31	10.94	11.00	10.94

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PPSD
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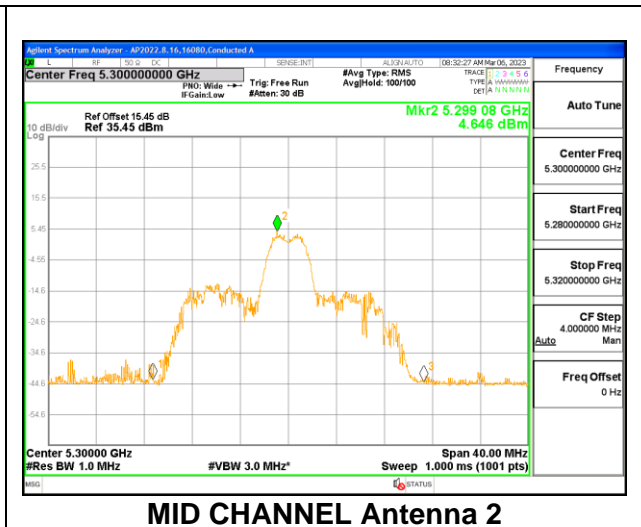
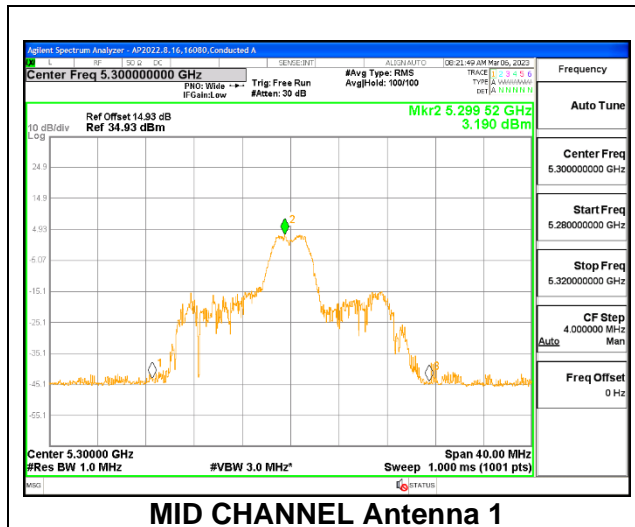
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5300	11	11.2	14.11	23.31	-9.20

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5300	3.190	4.646	10.04	10.94	-0.90

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
High	5320	20.40	18.679	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
High	5320	24.00	23.71	29.71	23.71	10.94	11.00	10.94

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PPSD
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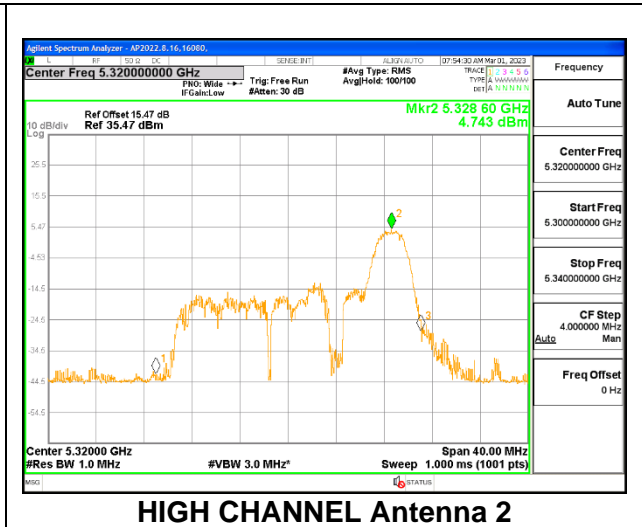
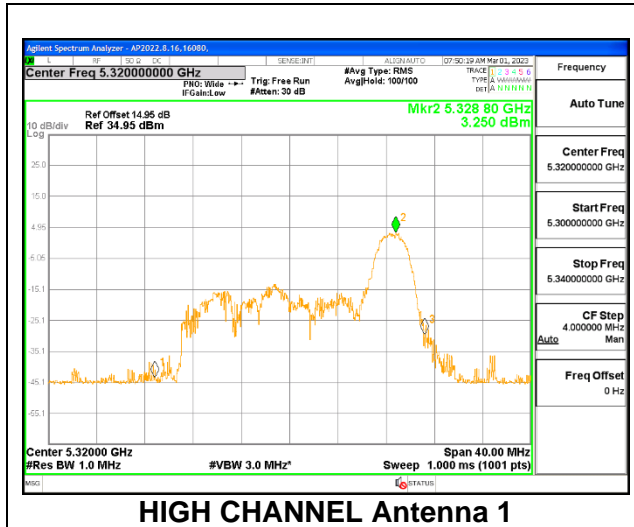
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5320	10.56	10.98	13.79	23.71	-9.93

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
High	5320	3.250	4.743	10.12	10.94	-0.82

HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5260	22.64	19.072	3.06	6.06
Mid	5300	22.56	19.005	3.06	6.06
High	5320	22.04	18.990	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.80	29.80	23.80	10.94	11.00	10.94
Mid	5300	24.00	23.79	29.79	23.79	10.94	11.00	10.94
High	5320	24.00	23.79	29.79	23.79	10.94	11.00	10.94

Duty Cycle CF (dB)	4.15	Included in Calculations of Corr'd PPSD
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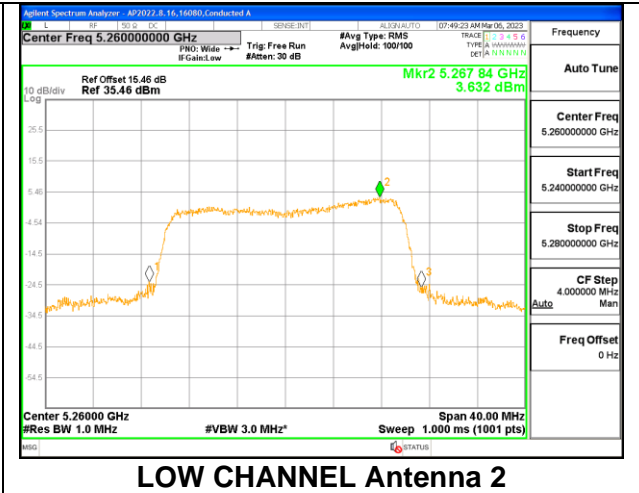
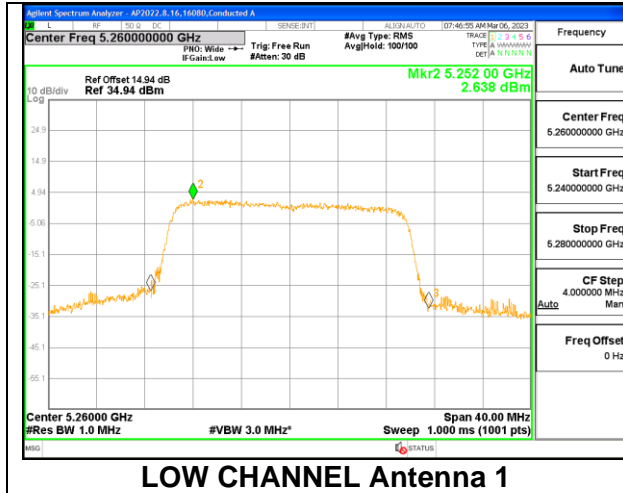
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.37	19.8	22.60	23.80	-1.20
Mid	5300	19.08	19.5	22.31	23.79	-1.48
High	5320	18.56	18.88	21.73	23.79	-2.05

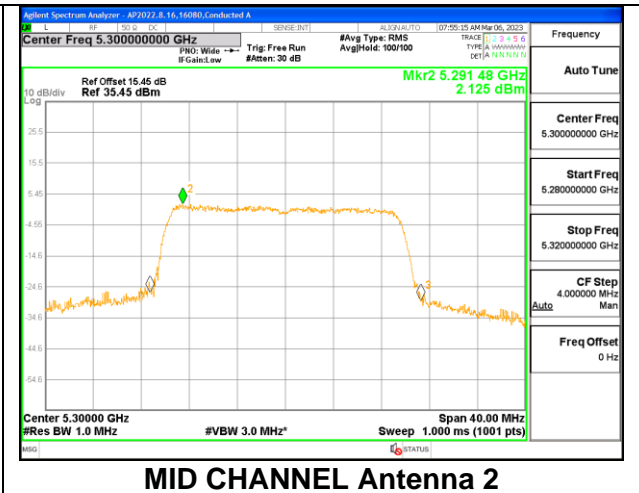
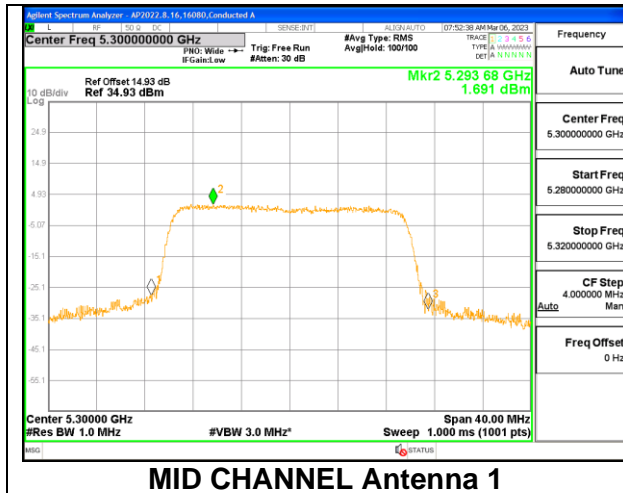
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	2.638	3.632	10.32	10.94	-0.62
Mid	5300	1.691	2.125	9.07	10.94	-1.87
High	5320	1.914	2.070	9.15	10.94	-1.79

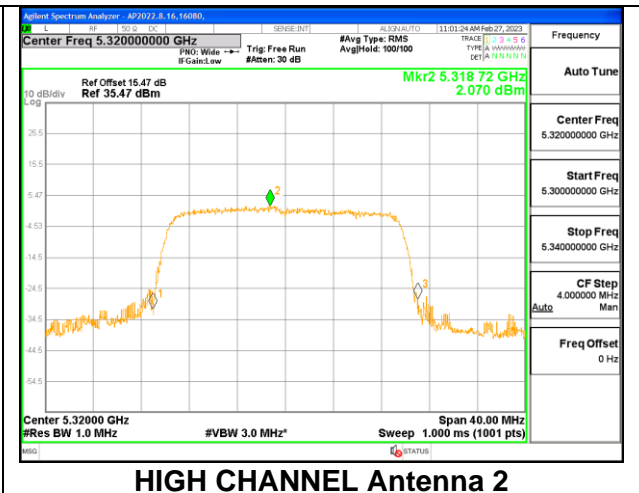
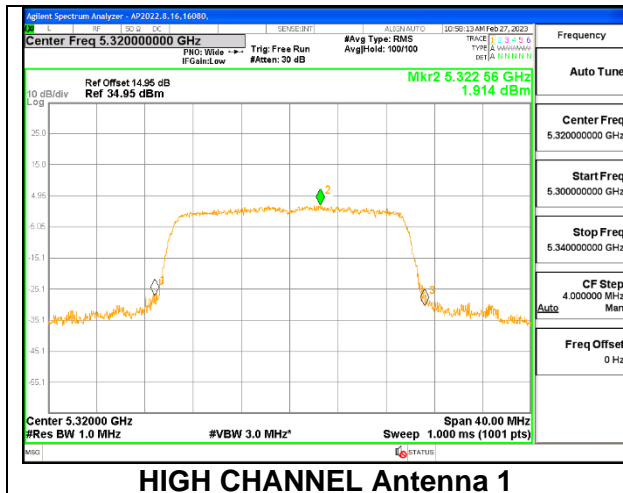
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.78	29.78	23.78	10.94	11.00	10.94
Mid	5300	24.00	23.77	29.77	23.77	10.94	11.00	10.94
High	5320	24.00	23.78	29.78	23.78	10.94	11.00	10.94

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	18.5	18.78	21.65	23.78	-2.13
Mid	5300	18.45	18.87	21.68	23.77	-2.10
High	5320	18.40	18.9	21.67	23.78	-2.11

9.5.8. 802.11ax HE40 MODE 2TX IN THE 5.3GHz BAND (FCC+IC)

2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5270	19.36	17.937	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	23.87	23.54	29.54	23.54	10.94	11.00	10.94

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PPSD
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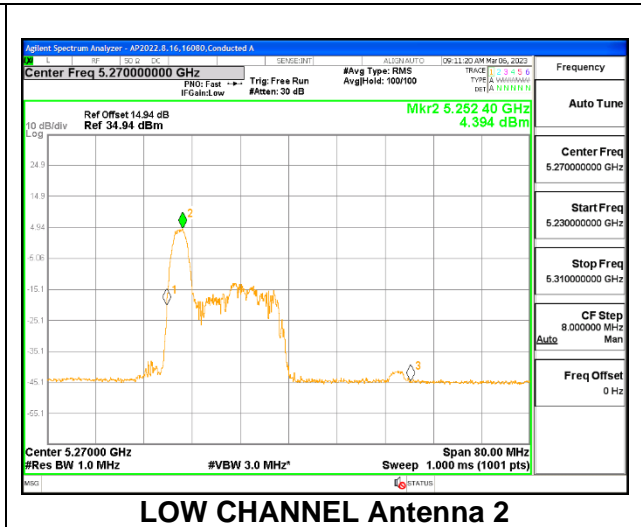
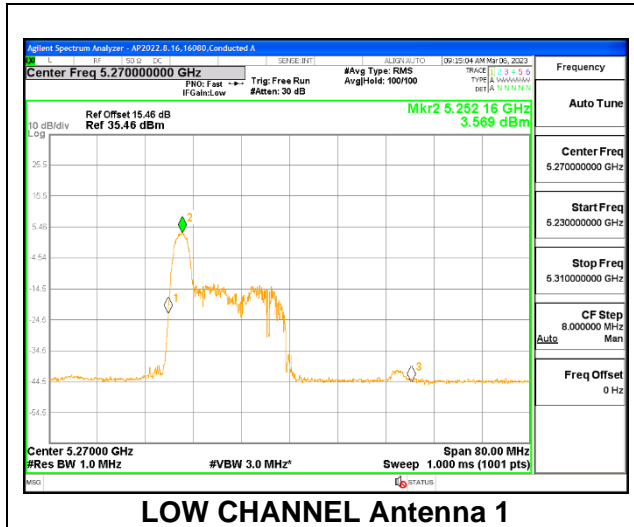
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	11.65	12.05	14.86	23.54	-8.67

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5270	3.569	4.394	10.04	10.94	-0.90

LOW CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
High	5310	19.04	17.819	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
High	5310	23.80	23.51	29.51	23.51	10.94	11.00	10.94

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PPSD
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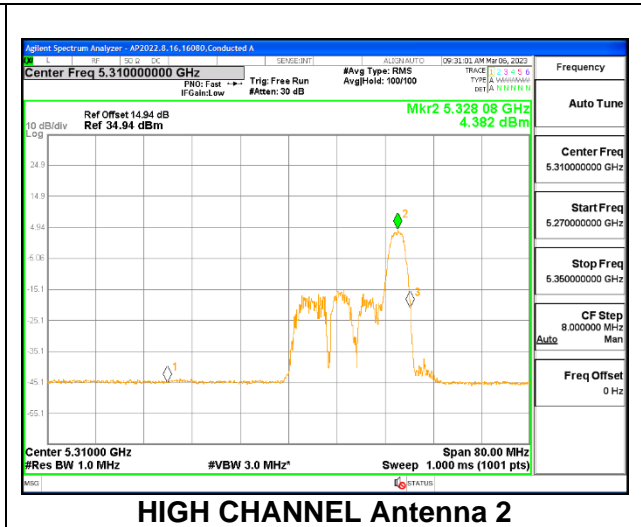
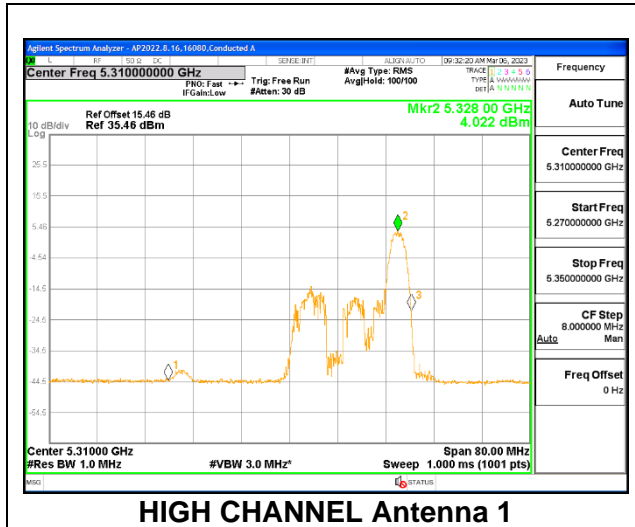
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5310	11.84	12.30	15.09	23.51	-8.42

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
High	5310	4.022	4.382	10.25	10.94	-0.69

HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5270	40.32	37.741	3.06	6.06
High	5310	40.24	37.841	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	24.00	24.00	30.00	24.00	10.94	11.00	10.94
High	5310	24.00	24.00	30.00	24.00	10.94	11.00	10.94

Duty Cycle CF (dB)	4.21	Included in Calculations of Corr'd PPSD
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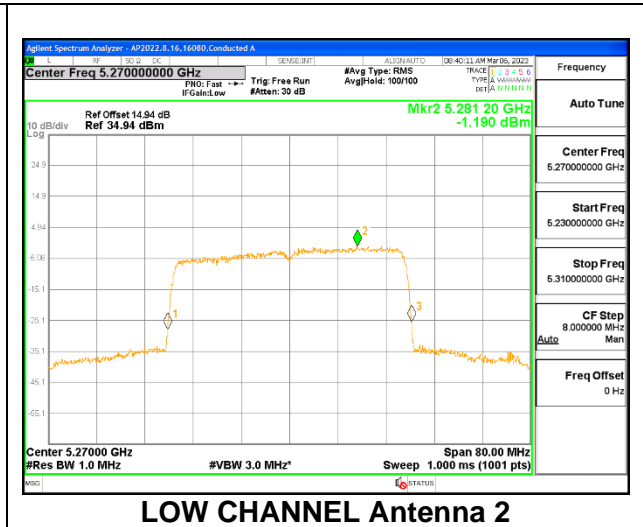
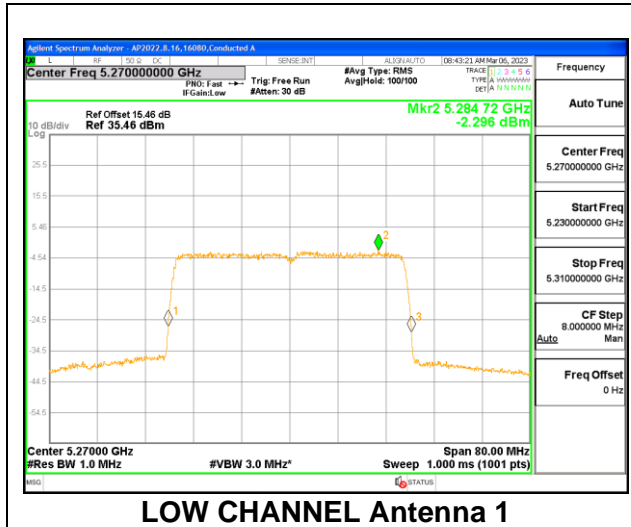
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	17.29	17.43	20.37	24.00	-3.63
High	5310	16.95	17.35	20.16	24.00	-3.84

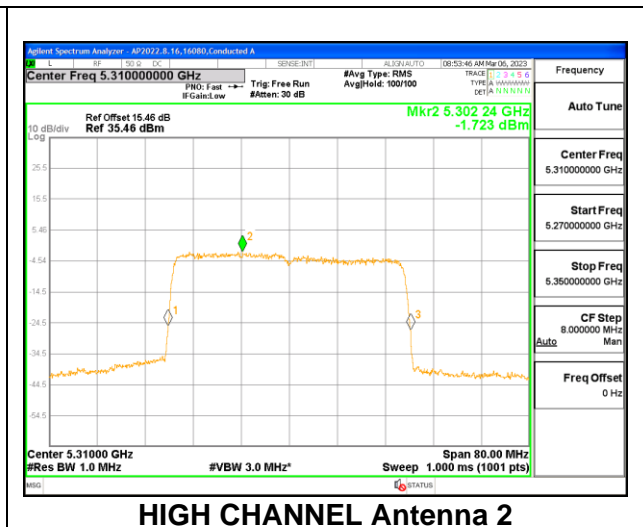
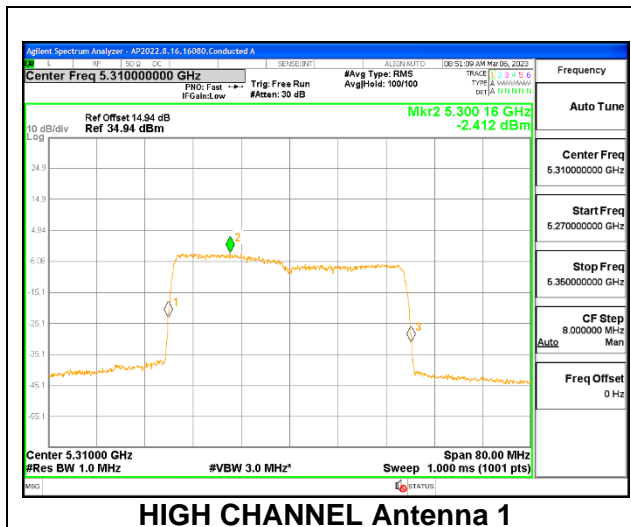
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5270	-2.296	-1.190	5.51	10.94	-5.43
High	5310	-2.412	-1.723	5.17	10.94	-5.77

LOW CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	24.00	24.00	30.00	24.00	10.94	11.00	10.94
High	5310	24.00	24.00	30.00	24.00	10.94	11.00	10.94

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	17.14	17.33	20.25	24.00	-3.75
High	5310	16.94	17.31	20.14	24.00	-3.86

9.5.9. 802.11ax HE80 MODE 2TX IN THE 5.3GHz BAND (FCC+IC)

2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	19.68	18.707	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	23.94	23.72	29.72	23.72	10.94	11.00	10.94

Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PPSD
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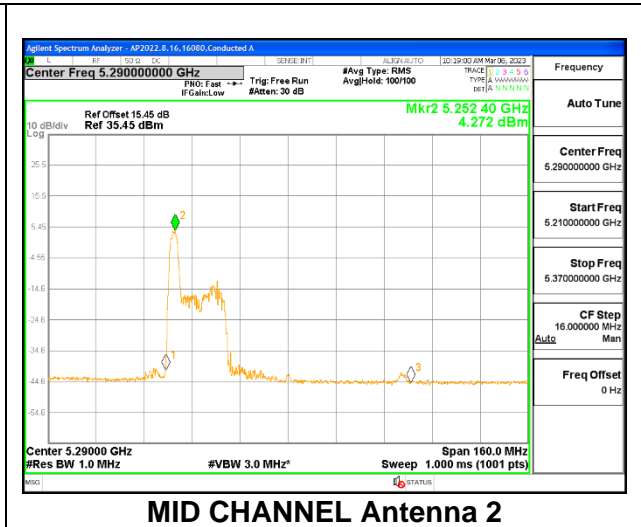
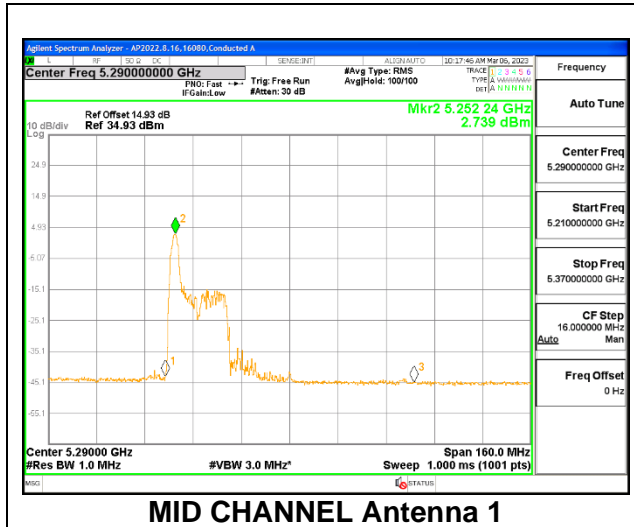
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	10.45	11.39	13.96	23.72	-9.76

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.739	4.272	9.86	10.94	-1.08

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	39.04	36.502	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	10.94	11.00	10.94

Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PPSD
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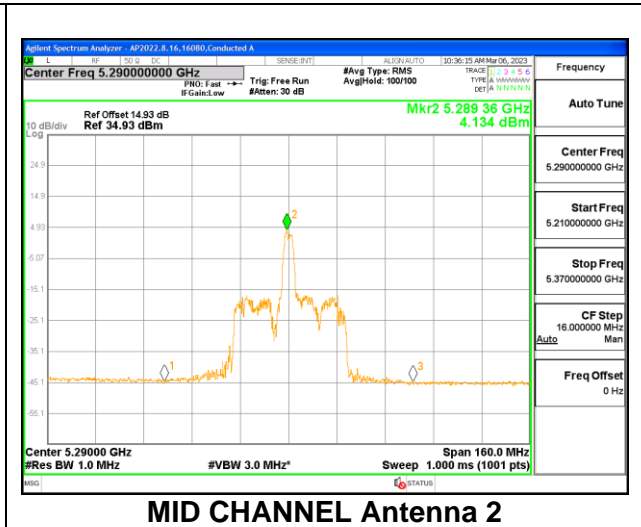
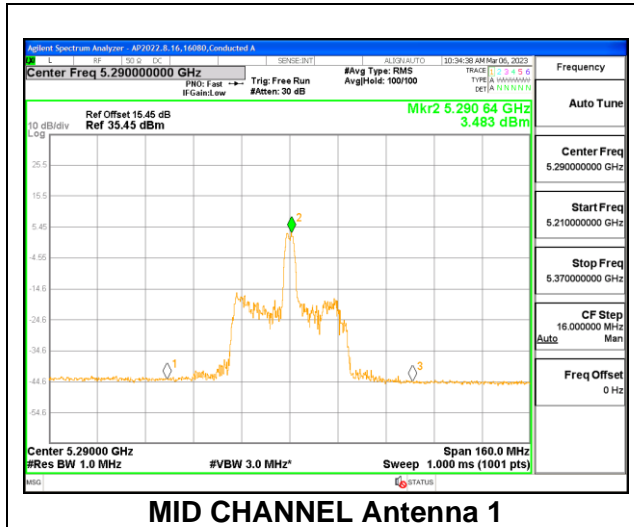
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	10.82	11.30	14.08	24.00	-9.92

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	3.483	4.134	10.11	10.94	-0.83

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	19.36	18.517	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	23.87	23.68	29.68	23.68	10.94	11.00	10.94

Duty Cycle CF (dB)	3.28	Included in Calculations of Corr'd PPSD
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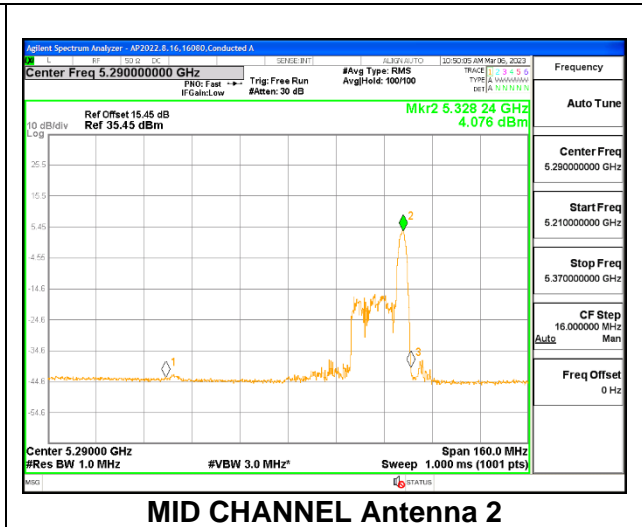
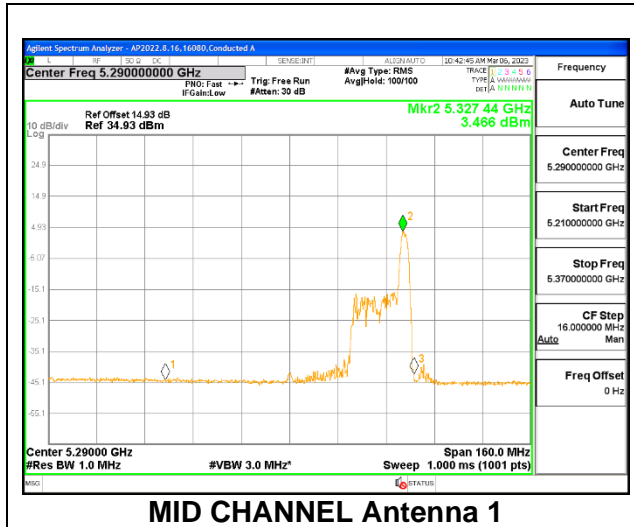
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	10.92	11.22	14.08	23.68	-9.59

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	3.466	4.076	10.07	10.94	-0.87

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	81.60	76.907	3.06	6.06

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	10.94	11.00	10.94

Duty Cycle CF (dB)	4.54	Included in Calculations of Corr'd PPSD
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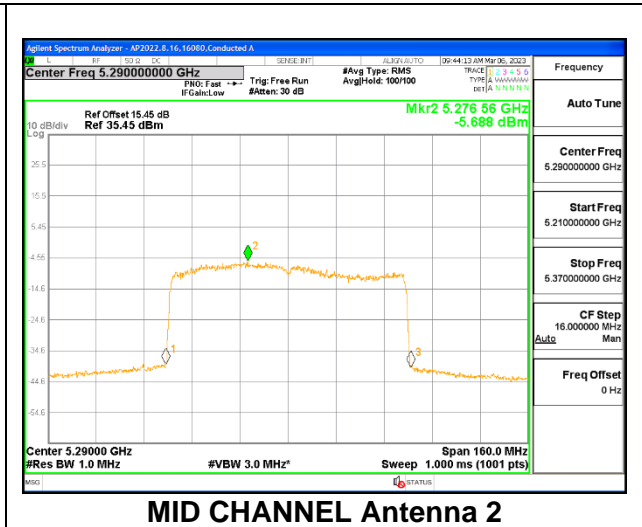
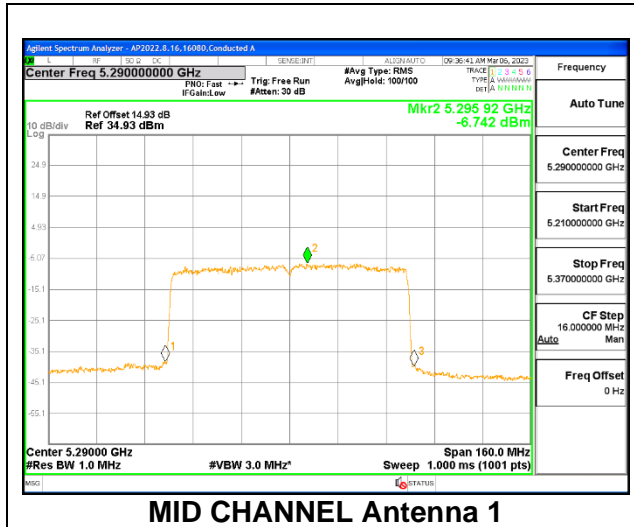
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.62	16.11	18.88	24.00	-5.12

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	-6.742	-5.688	1.37	10.94	-9.57

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	10.94	11.00	10.94

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.30	16.00	18.67	24.00	-5.33

9.5.10. 802.11ax HE20 MODE 2TX IN THE 5.6GHz BAND (FCC+IC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	20.44	18.545	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.68	29.68	23.68	10.84	11.00	10.84

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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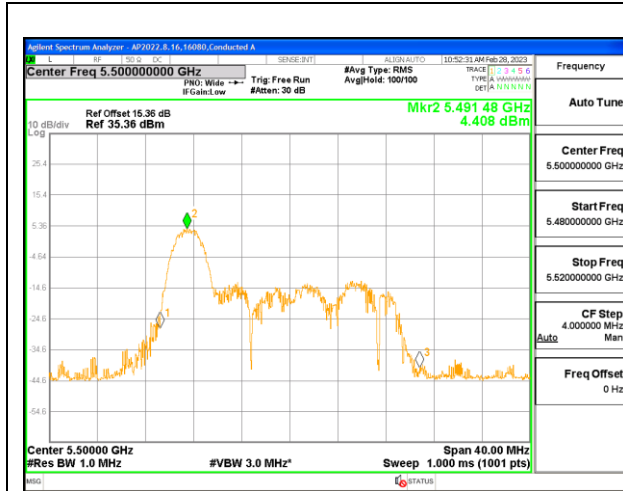
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	12.36	11.82	15.11	23.68	-8.57

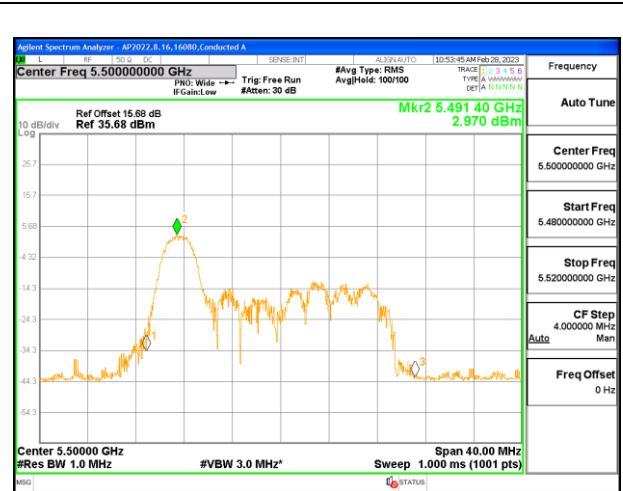
PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	4.408	2.970	9.809	10.84	-1.03

LOW CHANNEL



LOW CHANNEL Antenna 3



LOW CHANNEL Antenna 2

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 4

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5580	18.12	17.029	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5580	23.58	23.31	29.31	23.31	10.84	11.00	10.84

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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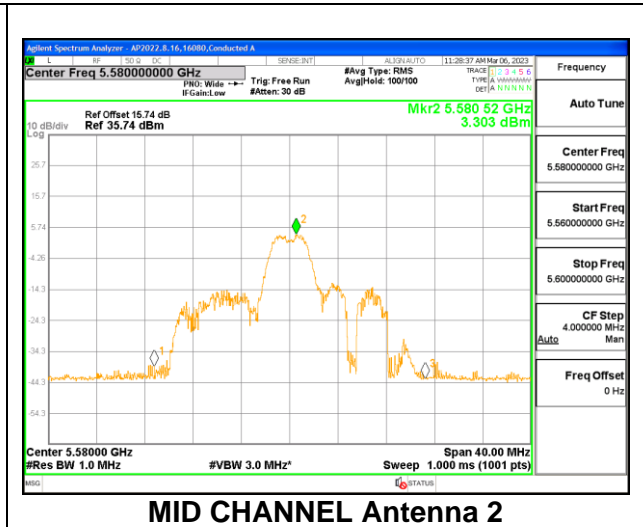
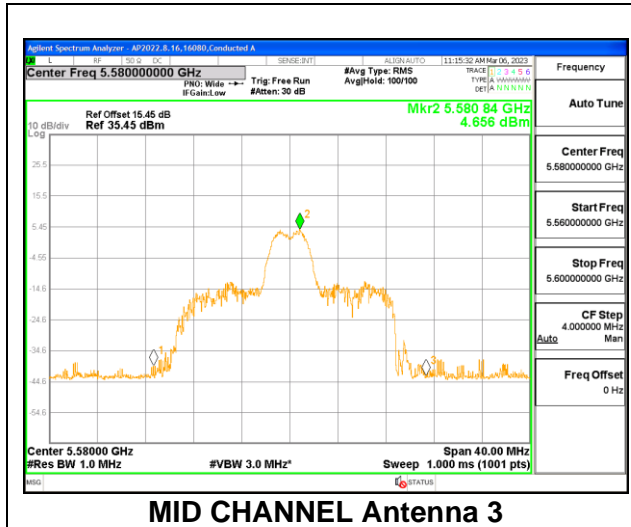
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5580	11.83	11.38	14.62	23.31	-8.69

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5580	4.656	3.303	10.092	10.84	-0.75

MID CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
High	5700	20.20	18.606	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
High	5700	24.00	23.70	29.70	23.70	10.84	11.00	10.84

Duty Cycle CF (dB)	3.05	Included in Calculations of Corr'd PSD
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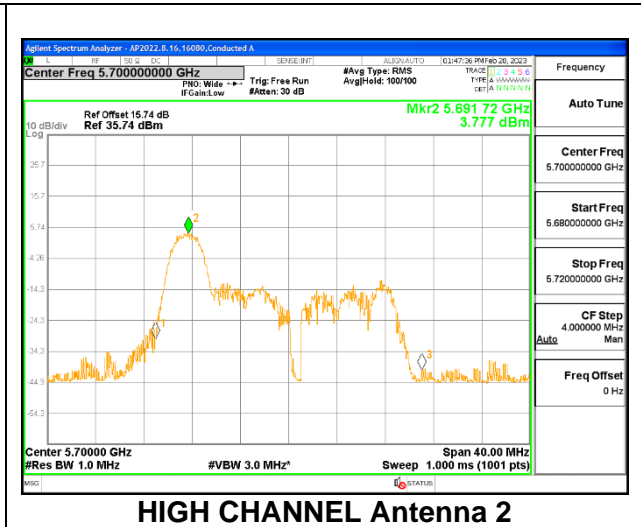
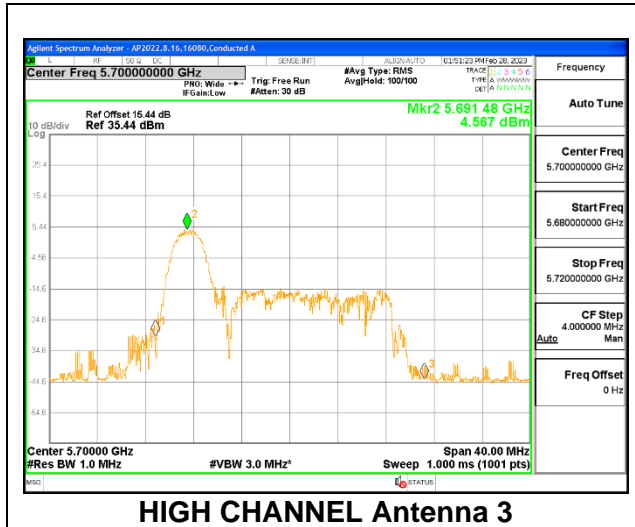
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5700	10.30	10.59	13.46	23.70	-10.24

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5700	4.567	3.777	10.250	10.84	-0.59

HIGH CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-09

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	21.56	18.938	3.16	6.16
Mid	5580	22.44	19.003	3.16	6.16
High	5700	22.00	19.004	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.77	29.77	23.77	10.84	11.00	10.84
Mid	5580	24.00	23.79	29.79	23.79	10.84	11.00	10.84
High	5700	24.00	23.79	29.79	23.79	10.84	11.00	10.84

Duty Cycle CF (dB)	4.15	Included in Calculations of Corr'd PSD
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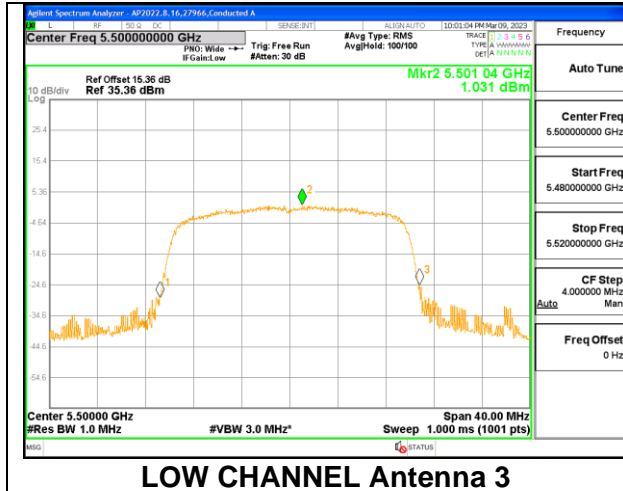
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.11	16.81	19.97	23.77	-3.80
Mid	5580	17.52	17.66	20.60	23.79	-3.19
High	5700	16.85	17.24	20.06	23.79	-3.73

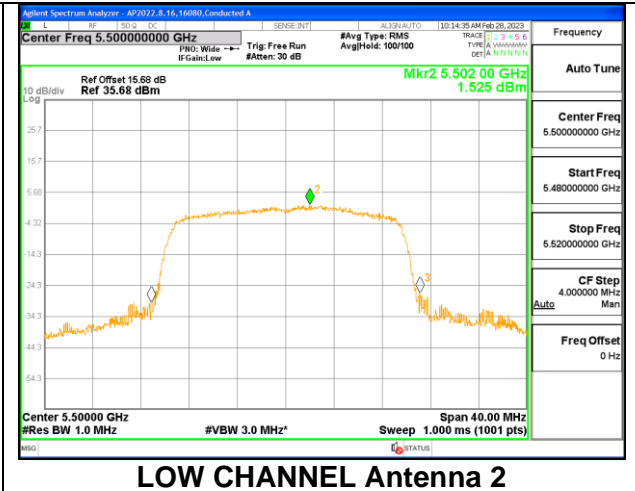
PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	1.031	1.525	8.445	10.84	-2.39
Mid	5580	1.542	1.622	8.742	10.84	-2.10
High	5700	1.601	2.669	9.328	10.84	-1.51

LOW CHANNEL

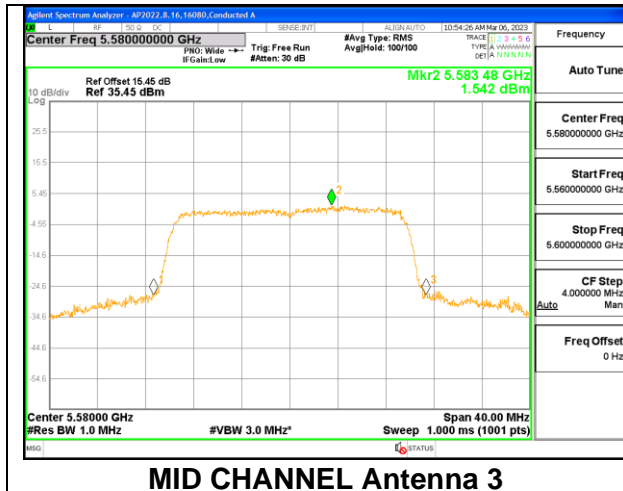


LOW CHANNEL Antenna 3

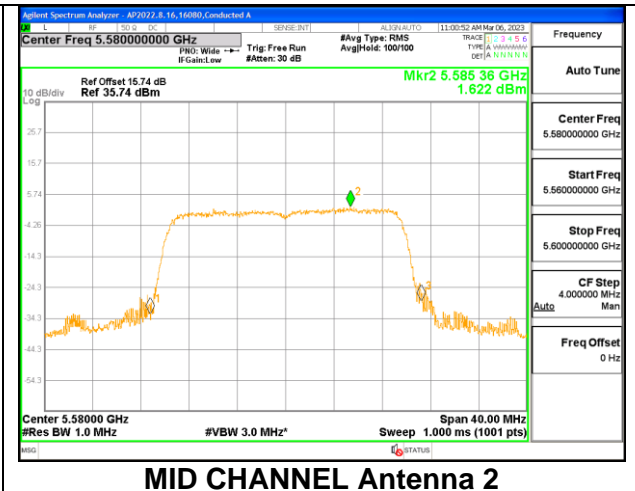


LOW CHANNEL Antenna 2

MID CHANNEL

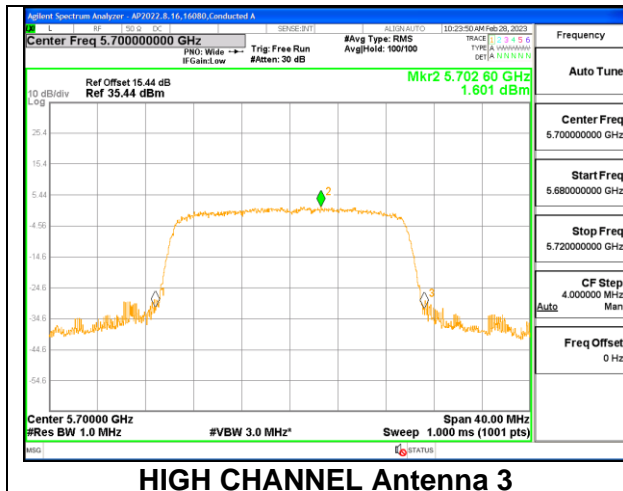


MID CHANNEL Antenna 3

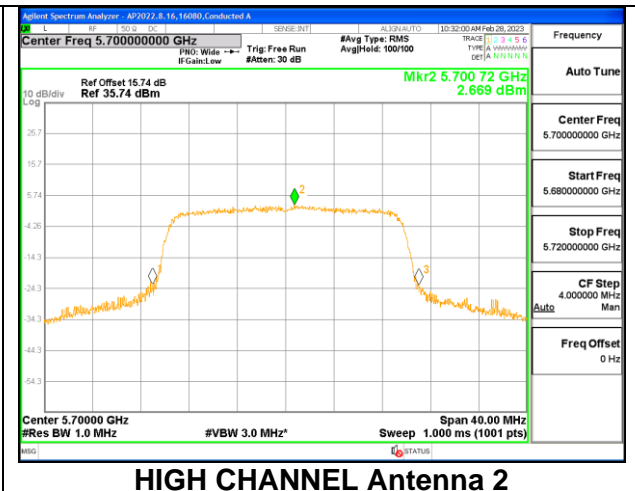


MID CHANNEL Antenna 2

HIGH CHANNEL



HIGH CHANNEL Antenna 3



HIGH CHANNEL Antenna 2

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.77	29.77	23.77	10.84	11.00	10.84
Mid	5580	24.00	23.78	29.78	23.78	10.84	11.00	10.84
High	5700	24.00	23.77	29.77	23.77	10.84	11.00	10.84

Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.24	16.49	19.89	23.77	-3.88
Mid	5580	17.56	17.47	20.53	23.78	-3.26
High	5700	16.78	17.11	19.96	23.77	-3.81

9.5.11. 802.11ax HE40 MODE 2TX IN THE 5.6GHz BAND (FCC+IC)

2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5510	19.20	17.956	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5510	23.83	23.54	29.54	23.54	10.84	11.00	10.84

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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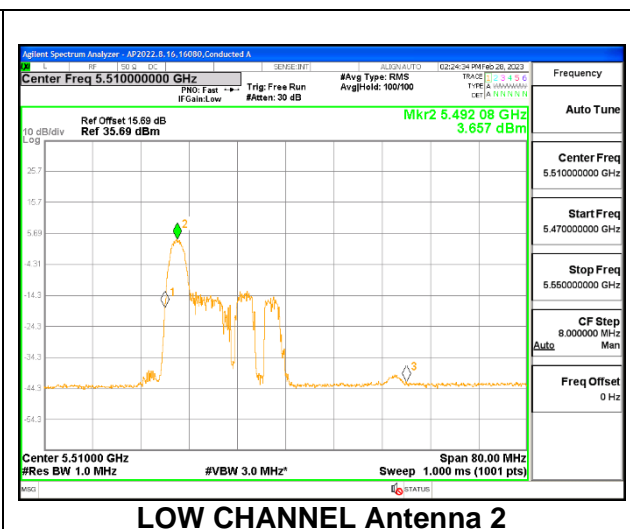
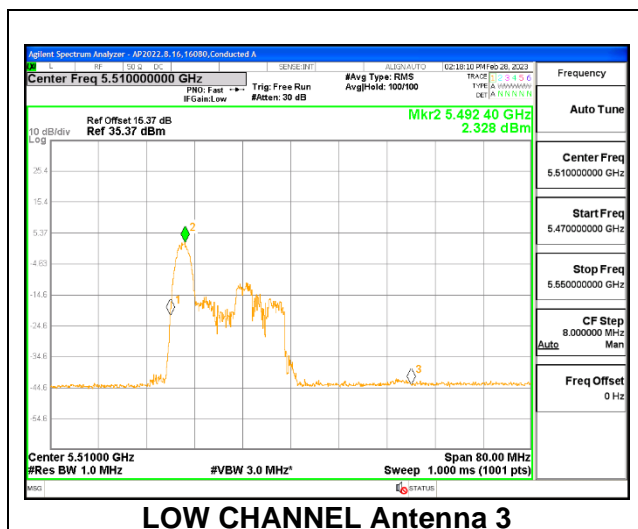
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	13.15	12.92	16.05	23.54	-7.50

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	2.328	3.657	9.08	10.84	-1.76

LOW CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5550	21.68	20.022	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5550	24.00	24.00	30.00	24.00	10.84	11.00	10.84

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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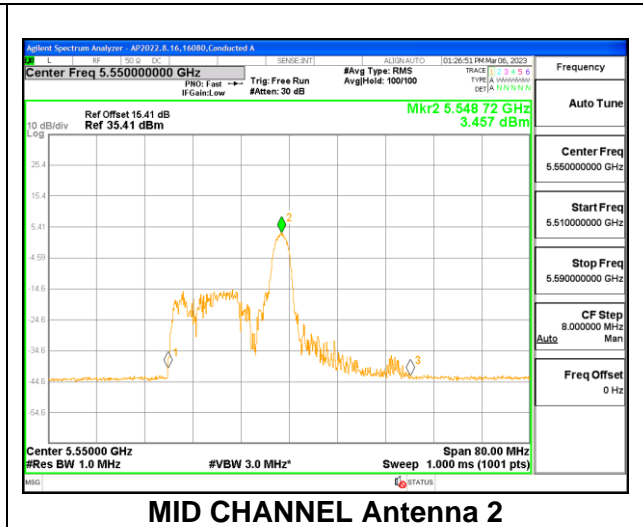
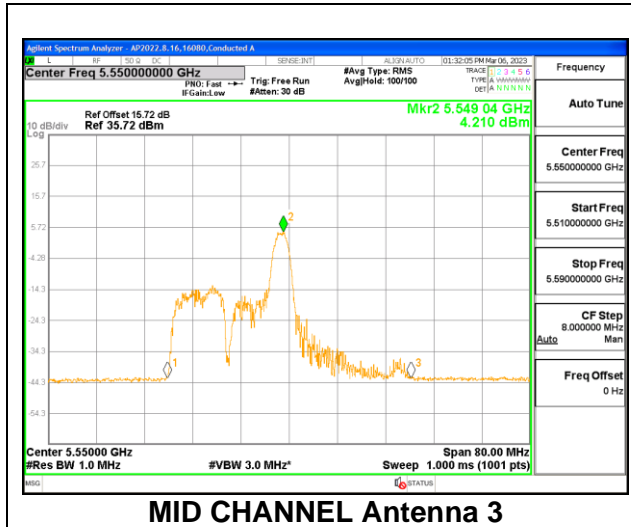
Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5550	12.66	12.52	15.60	24.00	-8.40

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5550	4.210	3.457	9.89	10.84	-0.95

MID CHANNEL



2TX Antenna 3 + Antenna 2 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	RA39005 and ZS16080
Test Date:	2023-02-28 to 2023-03-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
High	5670	19.12	17.964	3.16	6.16

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
High	5670	23.81	23.54	29.54	23.54	10.84	11.00	10.84

Duty Cycle CF (dB)	3.03	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5670	11.43	10.37	13.94	23.54	-9.60

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5670	4.224	3.320	9.84	10.84	-1.00

HIGH CHANNEL

