

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

2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-04

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	4.04	7.03	24.00	9.97

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PSD
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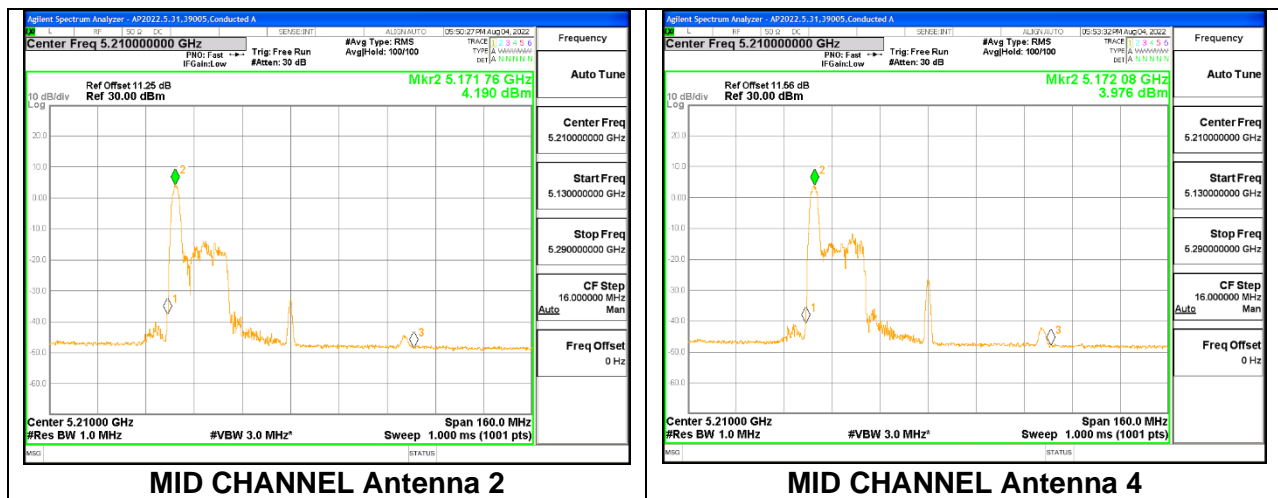
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.95	9.97	12.97	24.00	-11.03

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	4.190	3.976	9.10	9.97	-0.87

MID CHANNEL



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-04

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	4.04	7.03	24.00	9.97

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PSD
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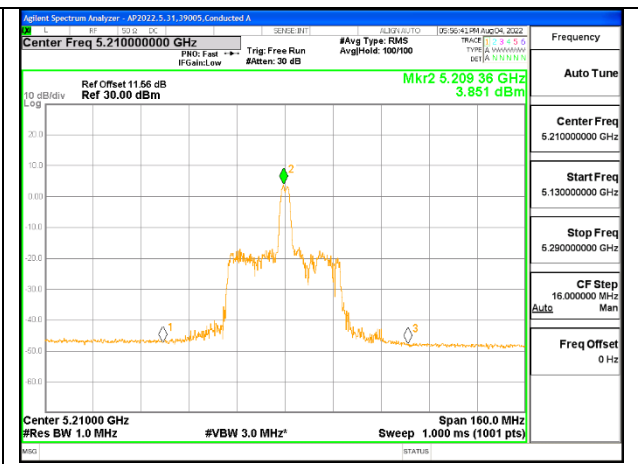
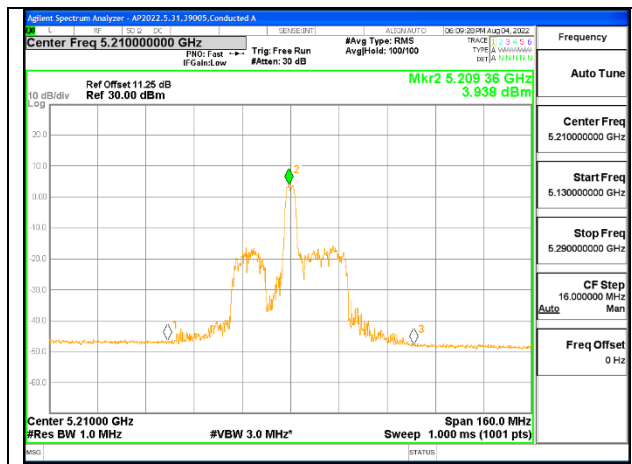
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.95	9.97	12.97	24.00	-11.03

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	3.938	3.851	8.92	9.97	-1.05

MID CHANNEL



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-04

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	4.04	7.03	24.00	9.97

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PSD
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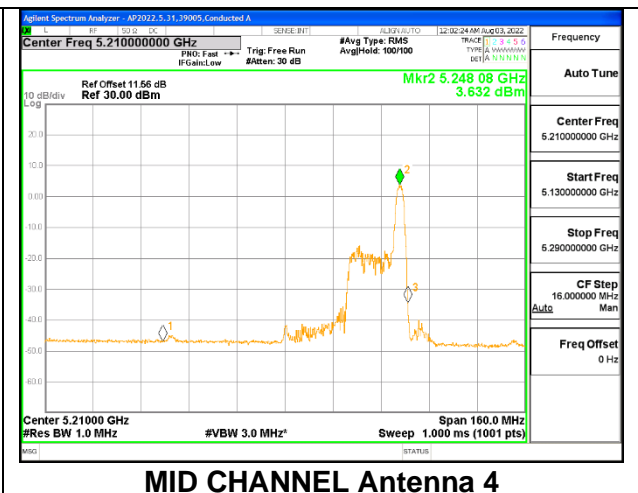
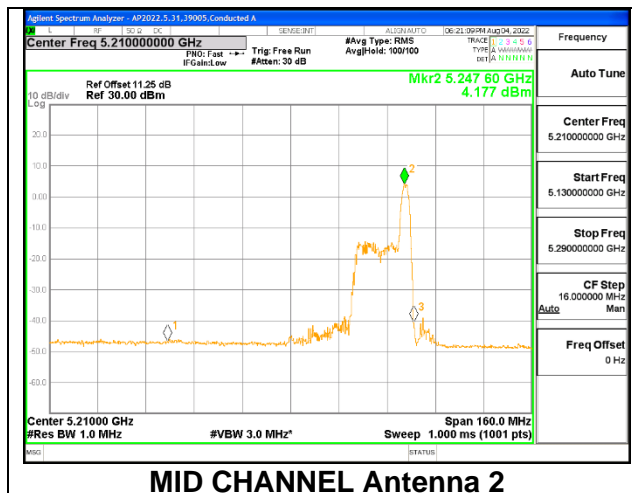
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	10.08	9.74	12.92	24.00	-11.08

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	4.177	3.632	8.93	9.97	-1.04

MID CHANNEL



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-04

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	4.04	7.03	24.00	9.97

Duty Cycle CF (dB)	3.29	Included in Calculations of Corr'd PSD
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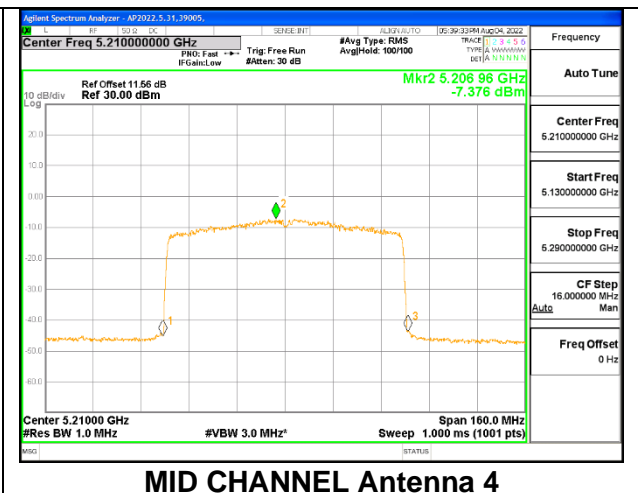
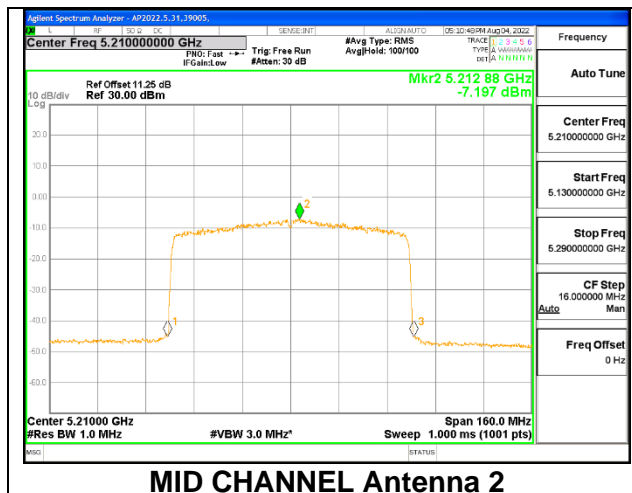
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.02	13.12	16.08	24.00	-7.92

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	-7.197	-7.376	-0.99	9.97	-10.96

MID CHANNEL



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS160880
Test Date:	8/4/2022

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	4.04	7.03	24.00	9.97

Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	12.97	12.96	15.98	24.00	-8.02

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

2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	SI23522
Test Date:	2022-08-02

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.530

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5180	22.68	10.00

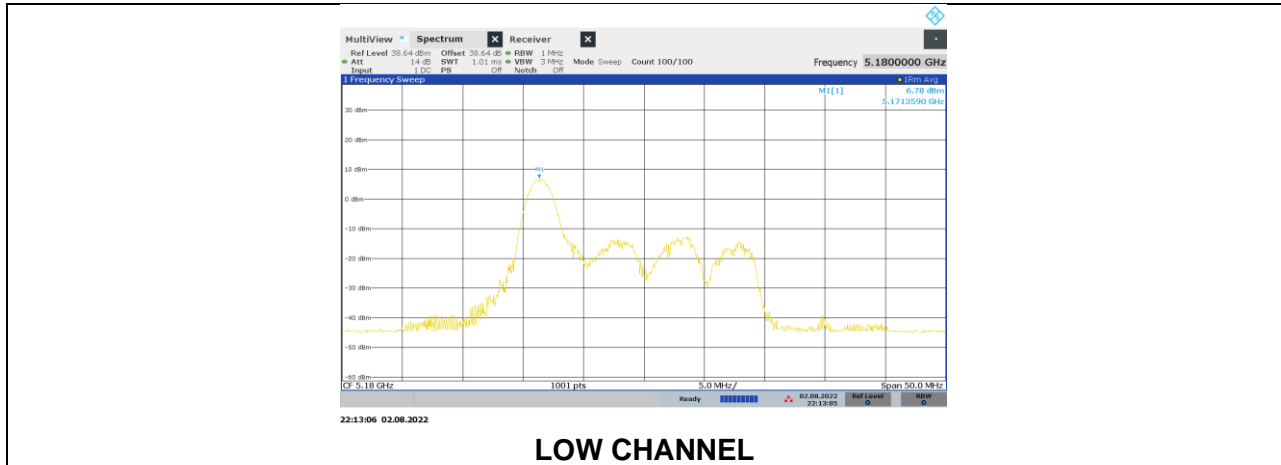
Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	9.23	22.68	-13.45

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.75	10.00	-1.25



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

Test Engineer:	SI23522
Test Date:	2022-08-03

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5200	17.101

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Mid	5200	22.33	10.00

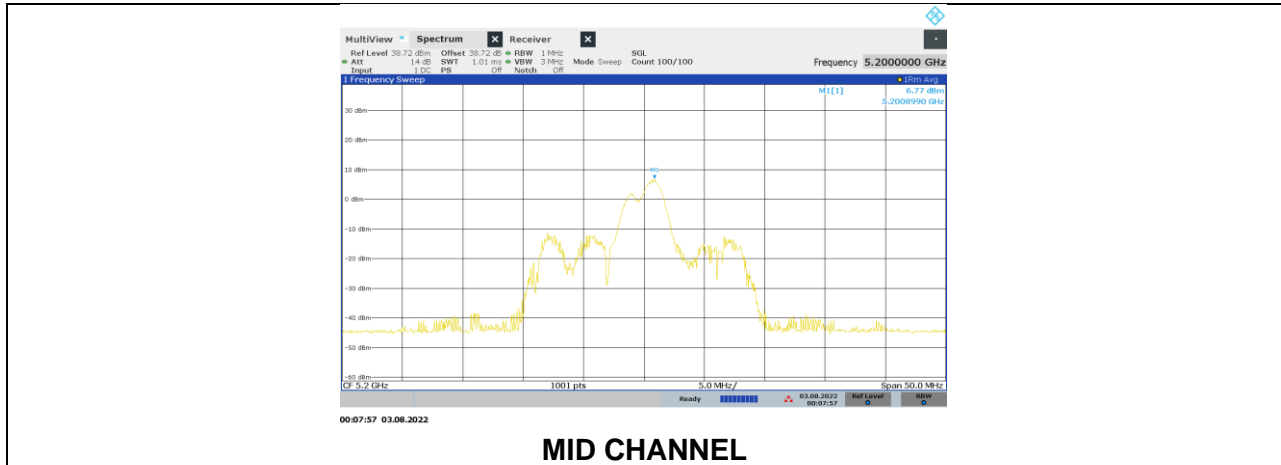
Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5200	9.45	22.33	-12.88

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5200	8.74	10.00	-1.26



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	SI23522
Test Date:	8/3/2022

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
High	5240	18.733

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
High	5240	22.73	10.00

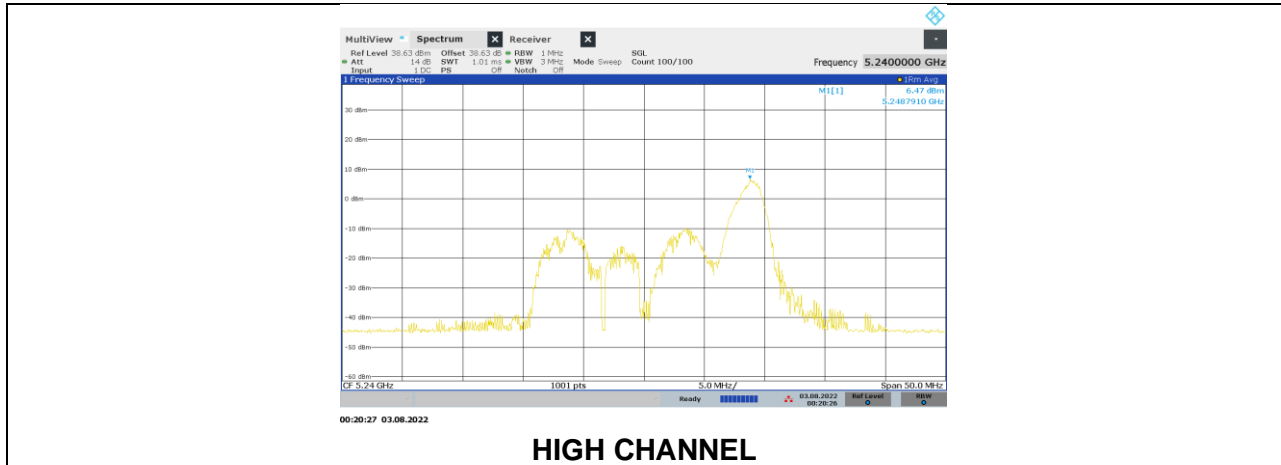
Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5240	8.24	22.73	-14.49

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5240	8.44	10.00	-1.56



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	SI23522
Test Date:	2022-08-02

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.865
Mid	5200	18.906
High	5240	18.935

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Low	5180	22.76	10.00
Mid	5200	22.77	10.00
High	5240	22.77	10.00

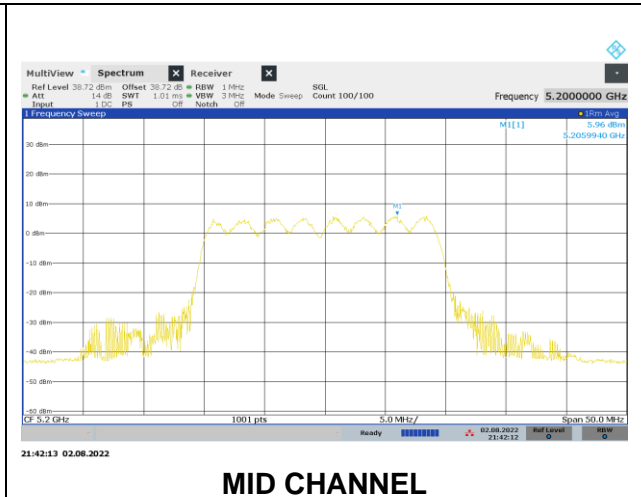
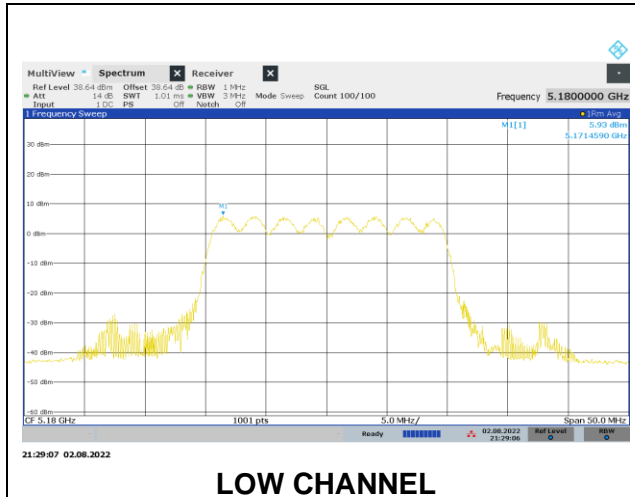
Duty Cycle CF (dB)	2.93	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.50	22.76	-6.26
Mid	5200	16.19	22.77	-6.57
High	5240	15.76	22.77	-7.01

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.86	10.00	-1.14
Mid	5200	8.89	10.00	-1.11
High	5240	8.29	10.00	-1.71



2TX Antenna 2 + Antenna 4 CDD MODE: SU, Single User

Tested output power only

Test Engineer:	SI23522
Test Date:	2022-08-02

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.892
Mid	5200	18.958
High	5240	18.952

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Low	5180	22.76
Mid	5200	22.78
High	5240	22.78

Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.42	22.76	-6.35
Mid	5200	16.05	22.78	-6.72
High	5240	15.68	22.78	-7.10

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

2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	SI23522
Test Date:	2022-08-02

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	17.937

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Low	5190	22.54	10.00

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.22	22.54	-14.32

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.21	10.00	-1.79



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	SI23522
Test Date:	2022-08-02

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
High	5230	17.922

Limits

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

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5230	7.85	22.53	-14.68

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5230	7.98	10.00	-2.02



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	CW20756
Test Date:	2022-08-03

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.456
High	5230	37.327

Limits

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

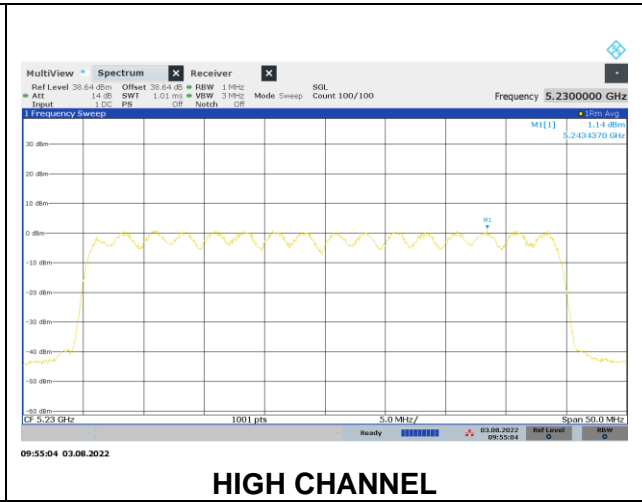
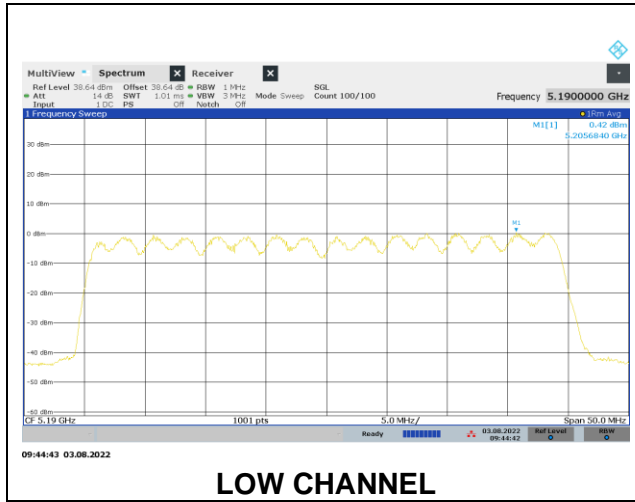
Duty Cycle CF (dB)	2.96	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.66	23.00	-7.34
High	5230	15.74	23.00	-7.26

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.38	10.00	-6.62
High	5230	4.10	10.00	-5.90



2TX Antenna 2 + Antenna 4 CDD MODE: SU, Single User

Tested output power only

Test Engineer:	CW20756
Test Date:	2022-08-03

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.538
High	5230	37.465

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	15.37	23.00	-7.63
High	5230	15.66	23.00	-7.34

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

2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	CW20756
Test Date:	2022-08-03

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	17.983

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Mid	5210	22.55	10.00

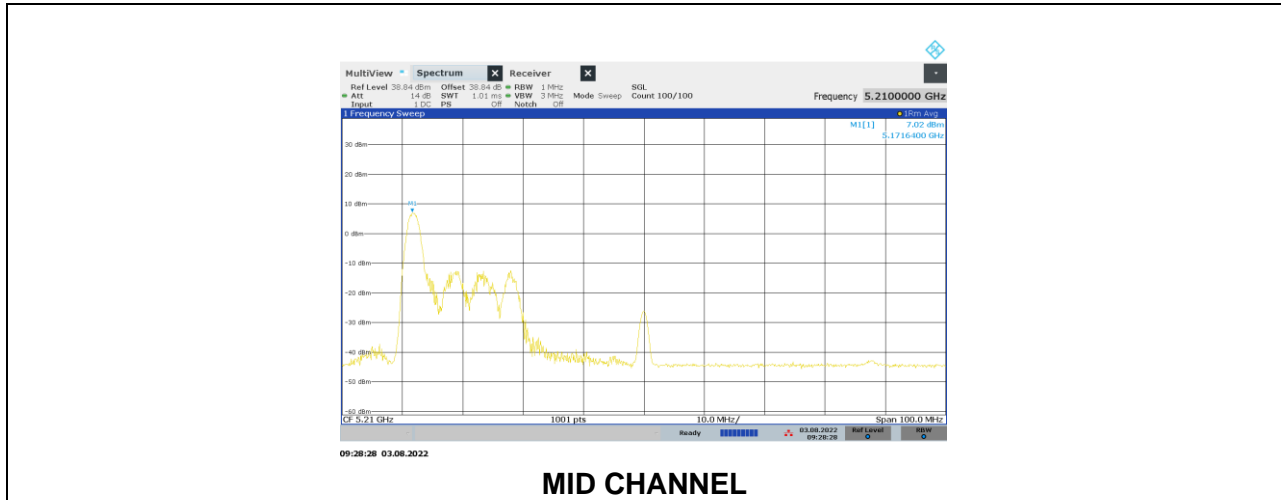
Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.05	22.55	-11.50

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	9.03	10.00	-0.97



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	CW20756
Test Date:	2022-08-03

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	76.730

Limits

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

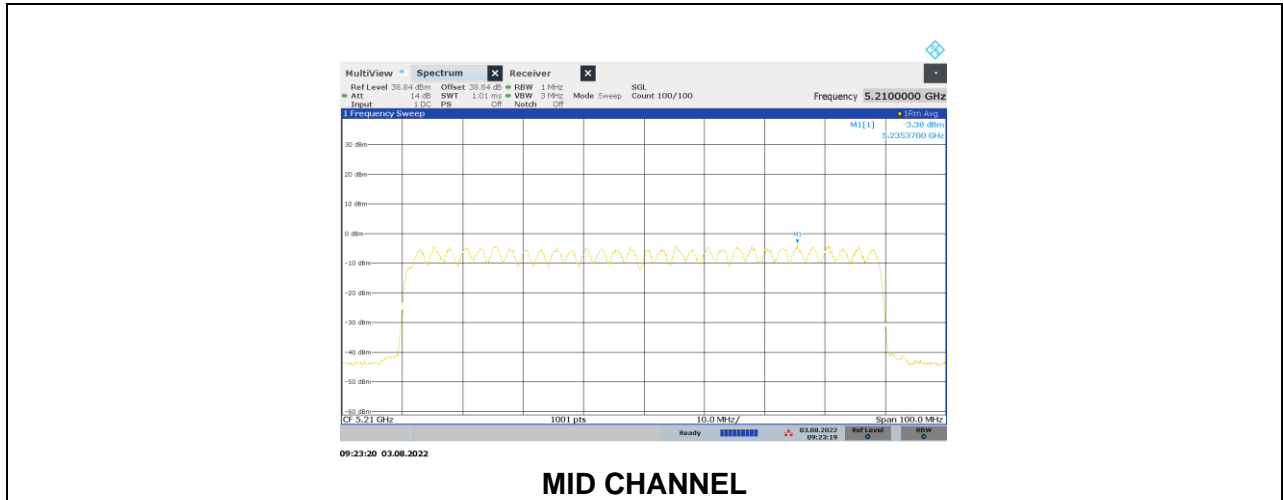
Duty Cycle CF (dB)	3.29	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.63	23.00	-11.37

PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-0.09	10.00	-10.09



2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User

Tested output power only

Test Engineer:	CW20756
Test Date:	2022-08-03

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	76.119

Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Mid	5210	23.00

Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.42	23.00	-11.58

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

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03

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	20.48	18.600	4.02	7.02

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	23.70	29.70	23.70	9.98	11.00	9.98

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PPSD
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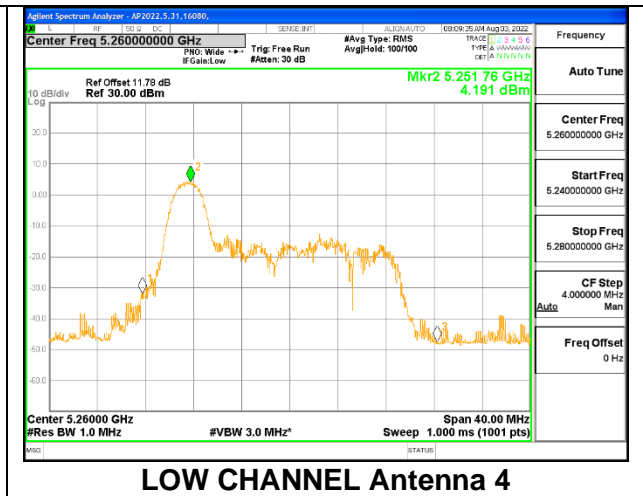
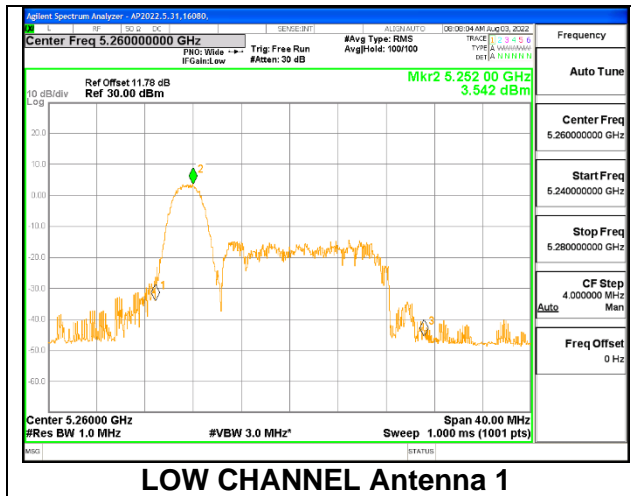
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	9.80	10.08	12.95	23.70	-10.74

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	3.542	4.191	8.86	9.98	-1.12

LOW CHANNEL



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

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03

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	18.32	17.045	4.02	7.02

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	23.63	23.32	29.32	23.32	9.98	11.00	9.98

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PPSD
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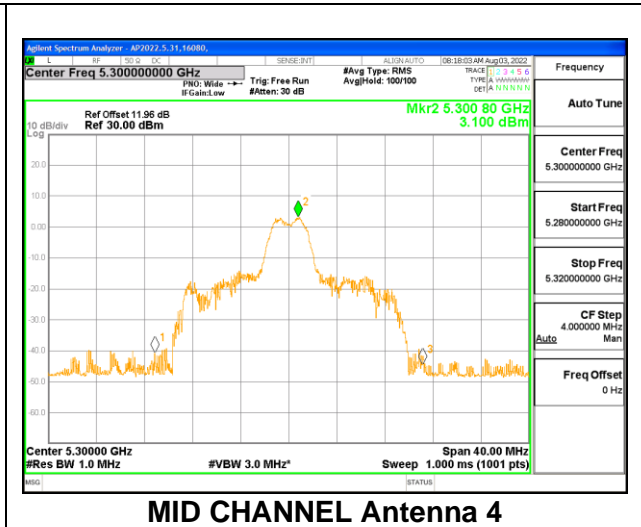
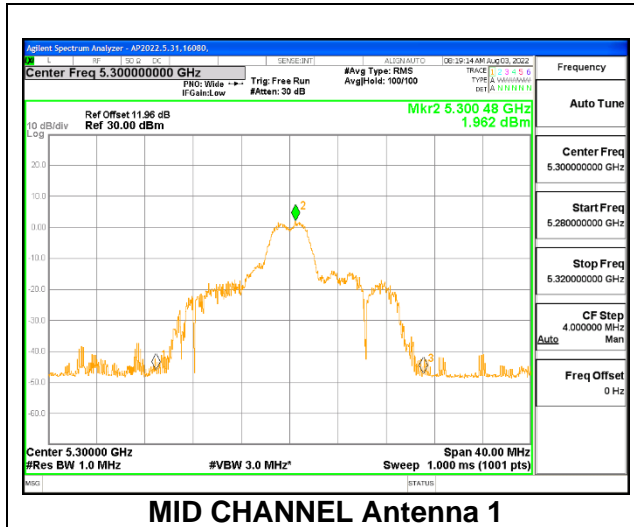
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5300	9.21	9.7	12.47	23.32	-10.84

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5300	1.962	3.100	7.55	9.98	-2.43

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03

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	20.76	18.584	4.02	7.02

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	23.69	29.69	23.69	9.98	11.00	9.98

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PPSD
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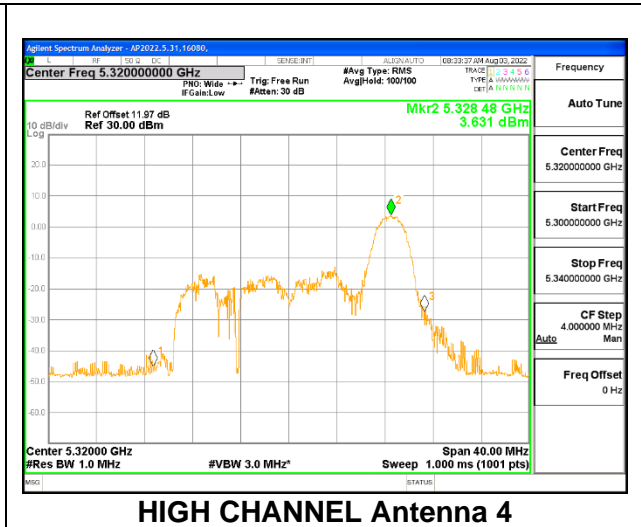
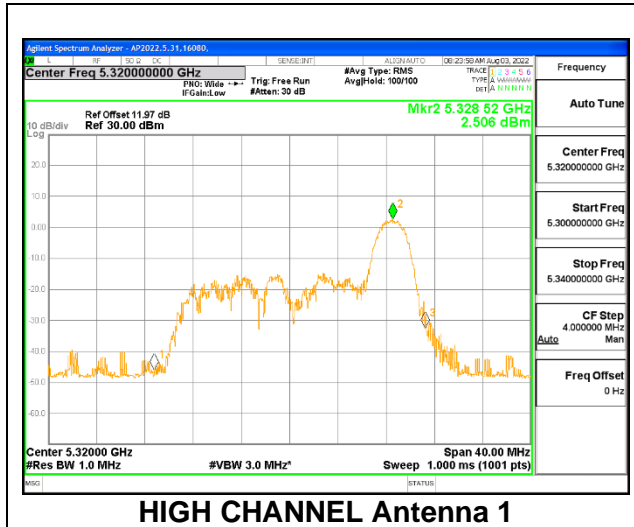
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5320	9.17	10.12	12.68	23.69	-11.01

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
High	5320	2.506	3.631	8.09	9.98	-1.89

HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03 to 2022-08-12

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	22.28	18.967	4.02	7.02
Mid	5300	22.16	18.914	4.02	7.02
High	5320	22.40	18.911	4.02	7.02

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	9.98	11.00	9.98
Mid	5300	24.00	23.77	29.77	23.77	9.98	11.00	9.98
High	5320	24.00	23.77	29.77	23.77	9.98	11.00	9.98

Duty Cycle CF (dB)	2.93	Included in Calculations of Corr'd PPSD
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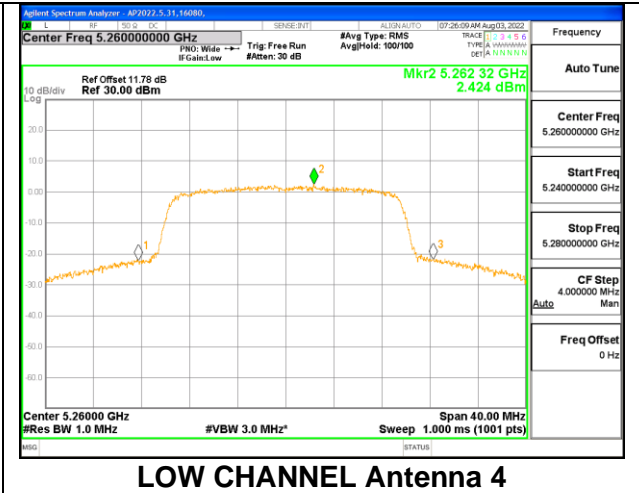
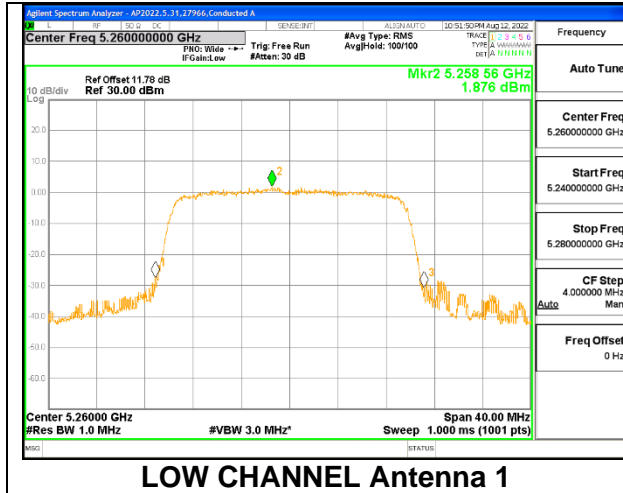
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.65	16.91	19.79	23.78	-3.99
Mid	5300	17.05	17.72	20.41	23.77	-3.36
High	5320	17.20	17.84	20.54	23.77	-3.23

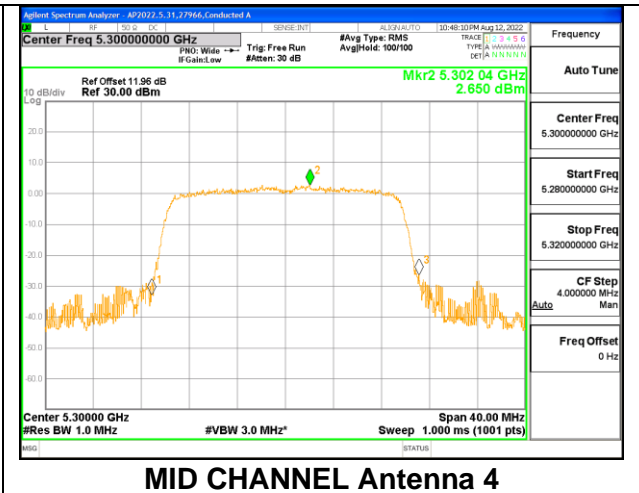
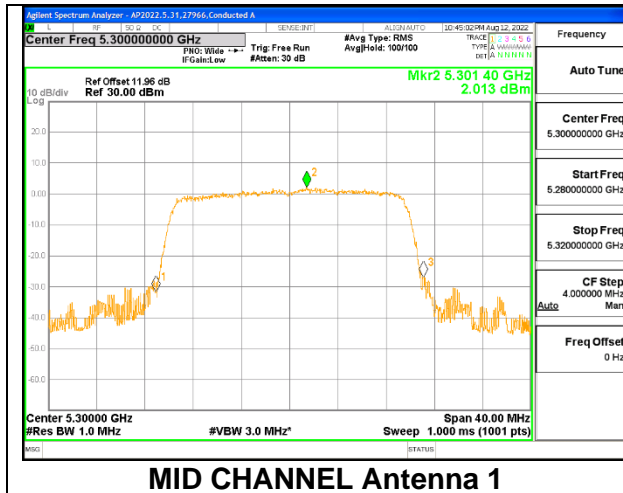
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	1.876	2.424	8.10	9.98	-1.88
Mid	5300	2.013	2.650	8.28	9.98	-1.70
High	5320	2.337	2.595	8.41	9.98	-1.57

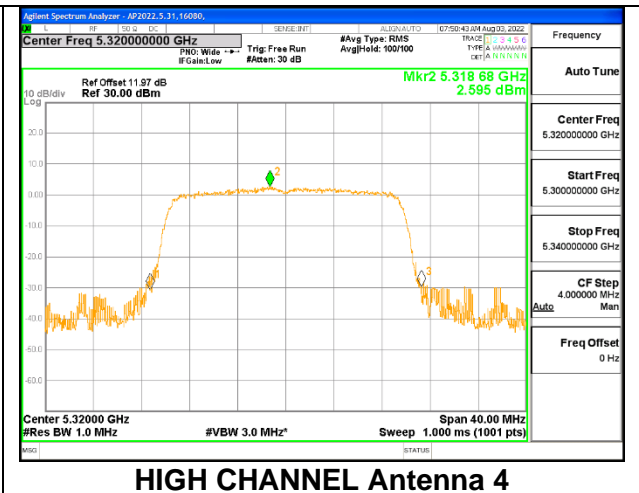
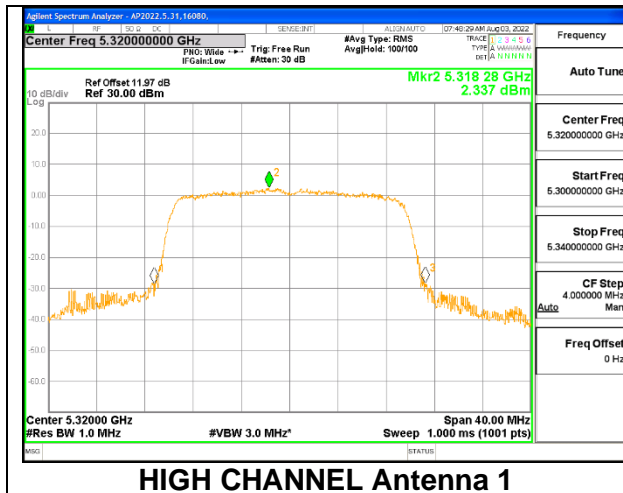
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03

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	24.00	30.00	24.00	9.97	11.00	9.97
Mid	5300	24.00	24.00	30.00	24.00	9.97	11.00	9.97
High	5320	24.00	23.77	29.77	23.77	9.97	11.00	9.97

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.57	16.80	19.70	24.00	-4.30
Mid	5300	17.14	17.65	20.41	24.00	-3.59
High	5320	17.17	17.79	20.50	23.77	-3.27

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

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03

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	19.20	17.872	4.02	7.02

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	23.83	23.52	29.52	23.52	9.98	11.00	9.98

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PPSD
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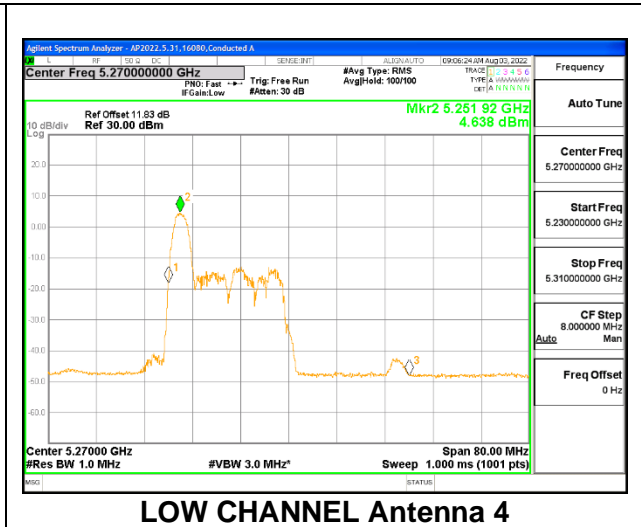
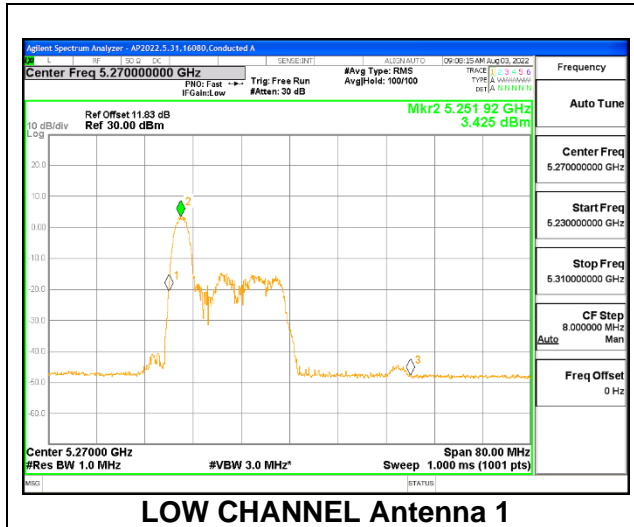
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	10.02	10.74	13.41	23.52	-10.12

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5270	3.425	4.638	8.92	9.98	-1.06

LOW CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03 to 2022-08-12

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	19.20	17.714	4.02	7.02

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	23.83	23.48	29.48	23.48	9.98	11.00	9.98

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PPSD
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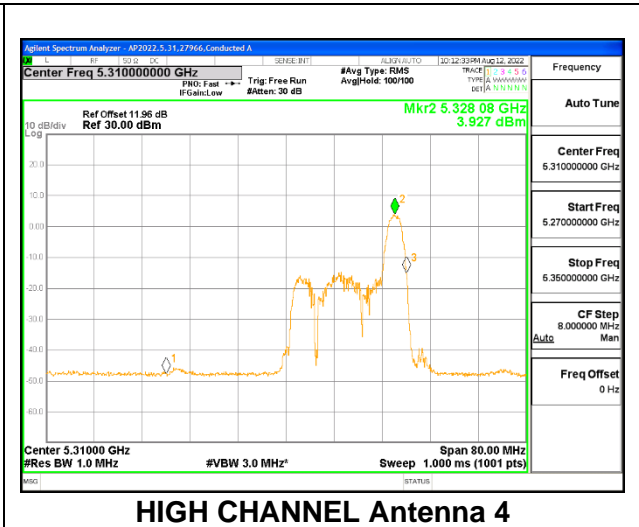
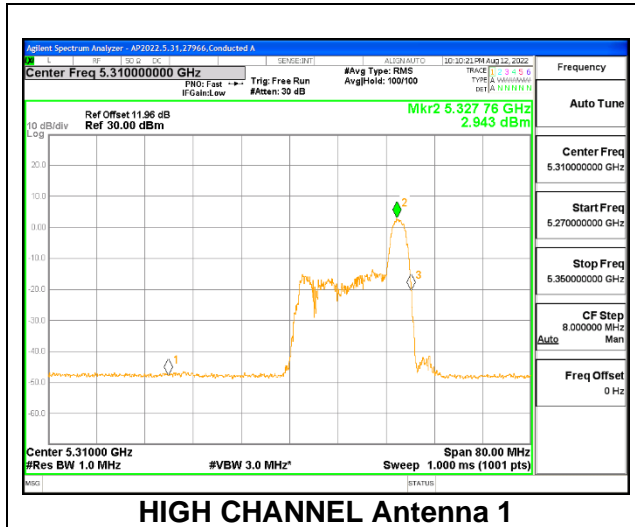
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5310	9.56	10.55	13.09	23.48	-10.39

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
High	5310	2.943	3.927	8.31	9.98	-1.67

HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03 to 2022-08-12

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	40.08	37.333	4.02	7.02
High	5310	40.00	37.548	4.02	7.02

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	9.98	11.00	9.98
High	5310	24.00	24.00	30.00	24.00	9.98	11.00	9.98

Duty Cycle CF (dB)	2.96	Included in Calculations of Corr'd PPSD
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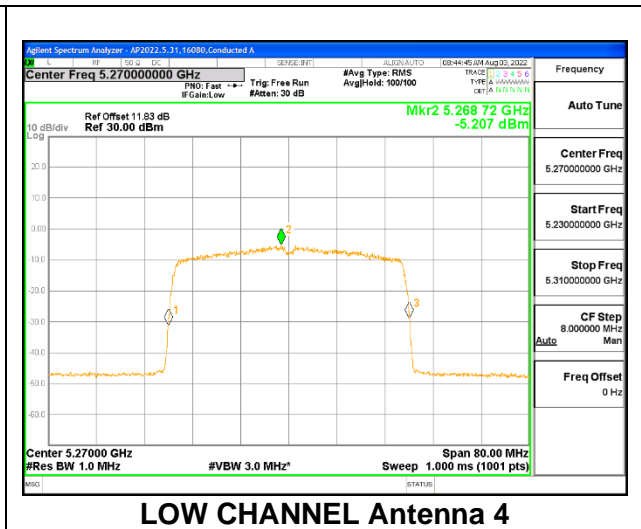
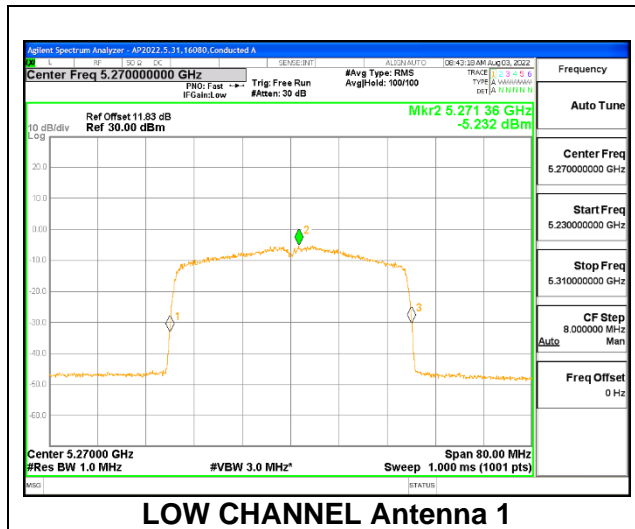
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	11.26	11.80	14.55	24.00	-9.45
High	5310	10.62	11.70	14.20	24.00	-9.80

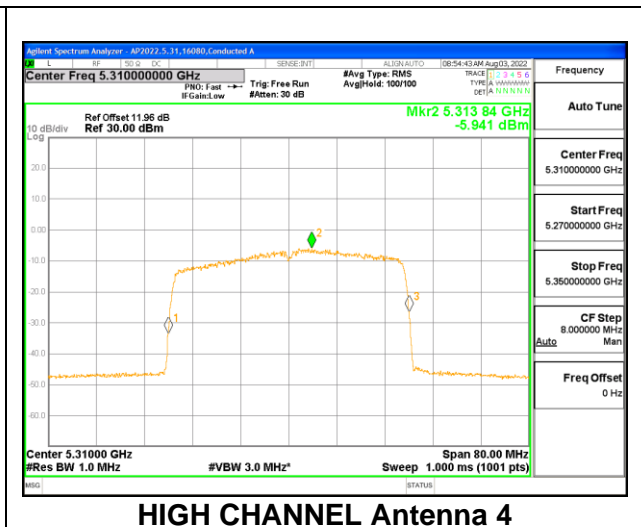
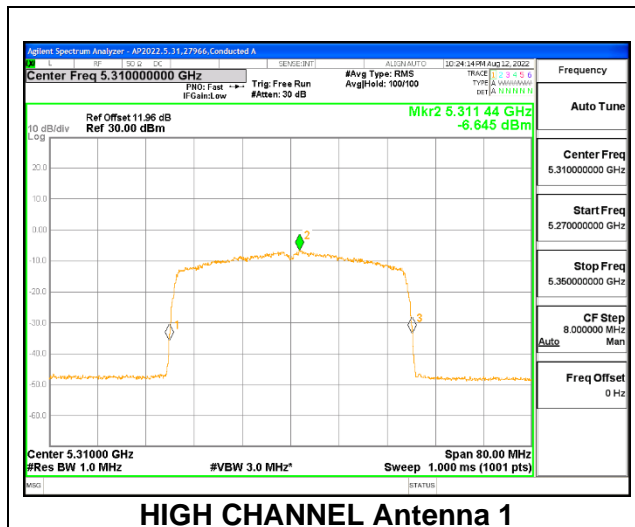
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5270	-5.232	-5.207	0.75	9.98	-9.23
High	5310	-6.645	-5.941	-0.31	9.98	-10.29

LOW CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS160880
Test Date:	2022-08-03

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	9.98	11.00	9.98
High	5310	24.00	24.00	30.00	24.00	9.98	11.00	9.98

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	11.20	11.81	14.53	24.00	-9.47
High	5310	10.52	11.65	14.13	24.00	-9.87

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

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	19.52	18.437	4.02	7.02

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	23.90	23.66	29.66	23.66	9.98	11.00	9.98

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PPSD
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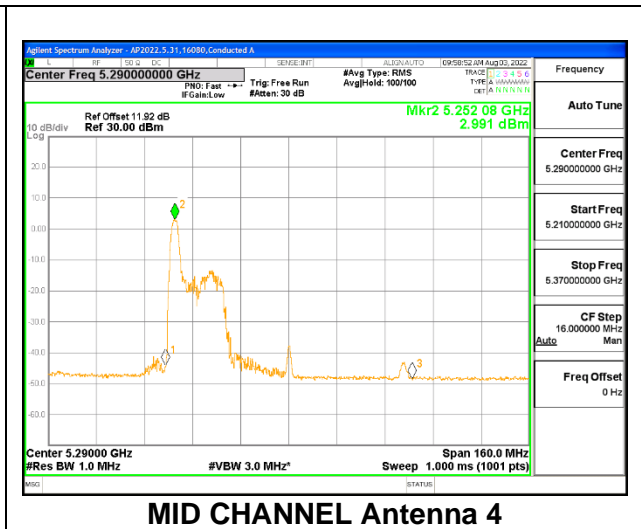
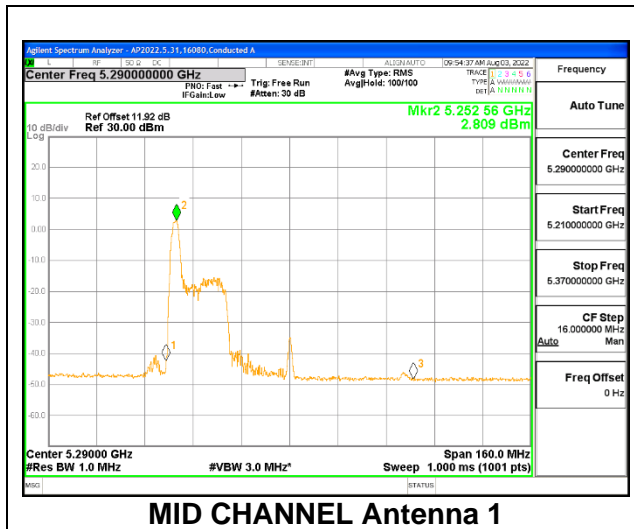
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	9.25	9.57	12.42	23.66	-11.23

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.809	2.991	7.92	9.98	-2.06

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	38.88	36.467	4.02	7.02

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	9.98	11.00	9.98

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PPSD
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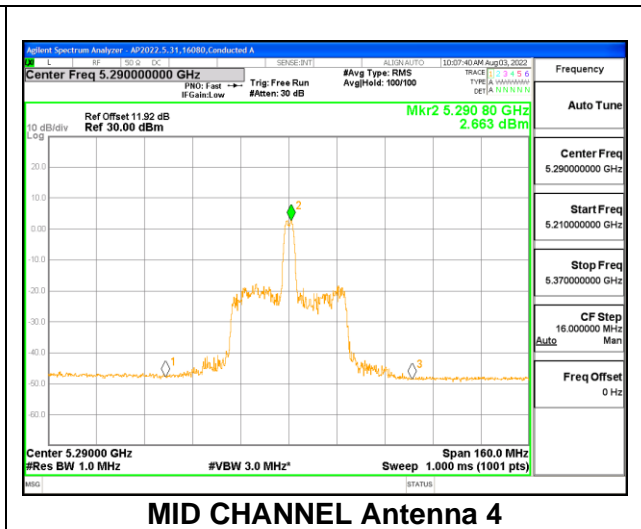
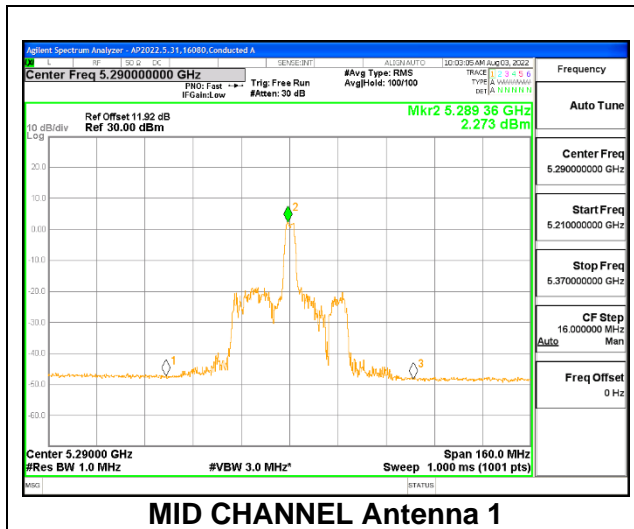
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	9.52	9.56	12.55	24.00	-11.45

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.273	2.663	7.49	9.98	-2.49

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-12

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	18.253	4.02	7.02

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	23.61	29.61	23.61	9.98	11.00	9.98

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PPSD
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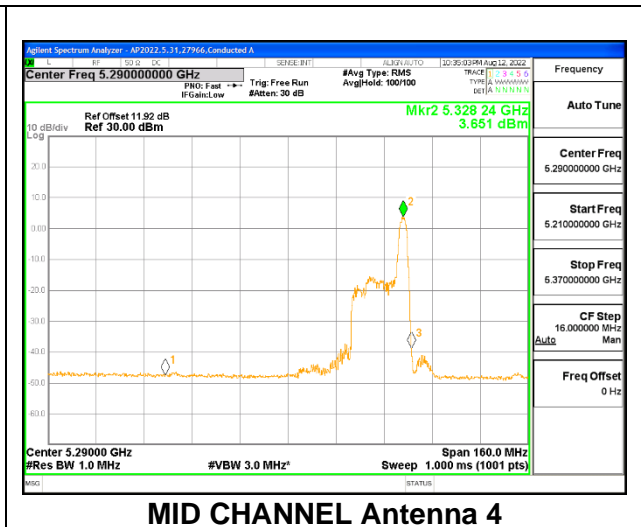
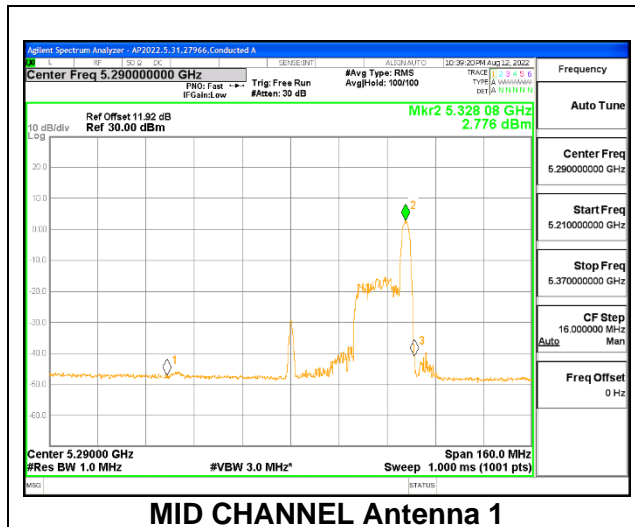
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	9.60	10.12	12.88	23.61	-10.74

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.776	3.651	8.26	9.98	-1.72

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	81.76	76.432	4.02	7.02

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	9.98	11.00	9.98

Duty Cycle CF (dB)	3.29	Included in Calculations of Corr'd PPSD
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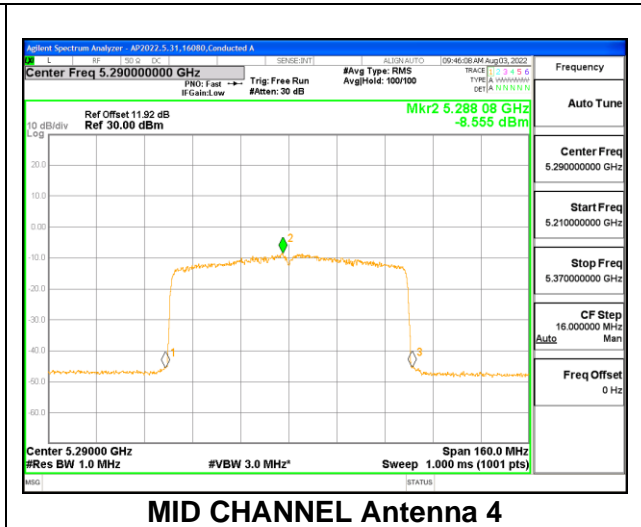
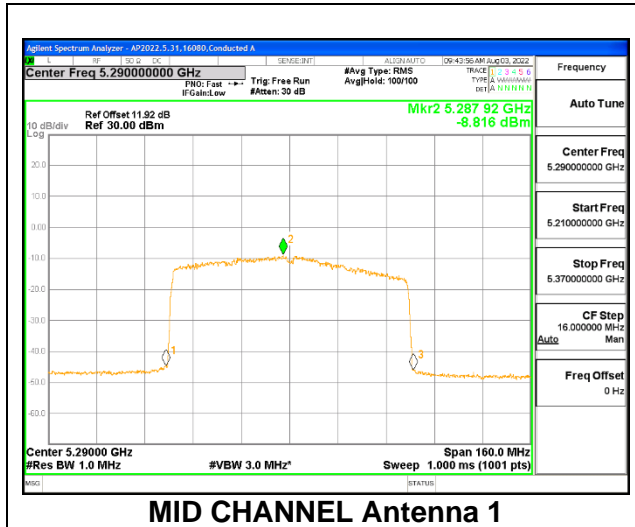
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.30	11.83	14.58	24.00	-9.42

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	-8.816	-8.555	-2.38	9.98	-12.36

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	9.98	11.00	9.98

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.27	11.80	14.55	24.00	-9.45

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

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	20.56	18.646	5.05	8.06

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	23.71	29.71	23.71	8.94	11.00	8.94

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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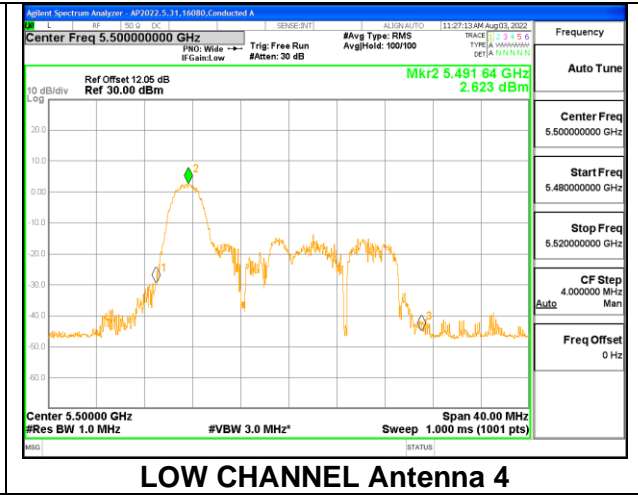
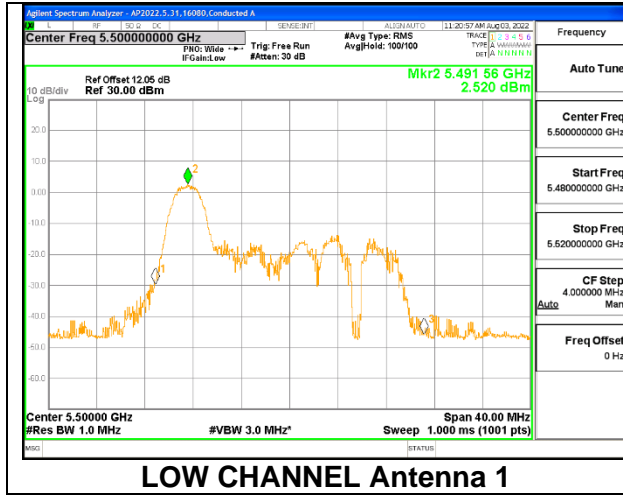
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	9.46	9.50	12.49	23.71	-11.22

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	2.520	2.623	7.552	8.94	-1.39

LOW CHANNEL



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

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	18.32	17.091	5.05	8.06

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	23.63	23.33	29.33	23.33	8.94	11.00	8.94

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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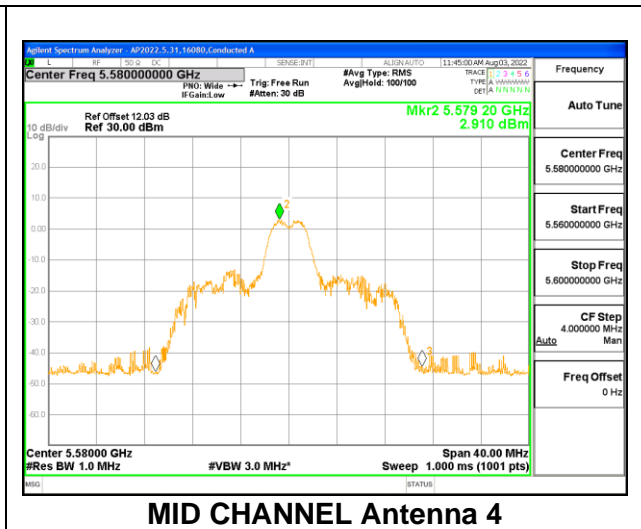
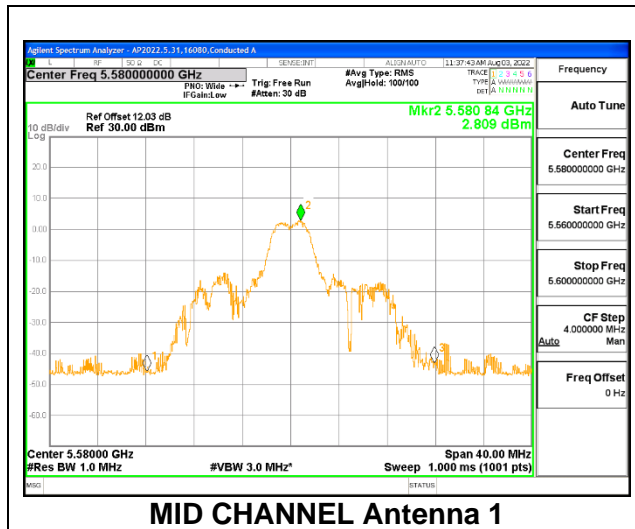
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5580	9.62	9.66	12.65	23.33	-10.68

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5580	2.809	2.910	7.840	8.94	-1.10

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	20.48	18.570	5.05	8.06

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	23.69	29.69	23.69	8.94	11.00	8.94

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5700	9.32	10.02	12.69	23.69	-10.99

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5700	2.520	3.225	7.867	8.94	-1.07

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	22.04	18.884	5.05	8.06
Mid	5580	22.12	18.989	5.05	8.06
High	5700	22.44	18.916	5.05	8.06

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	23.76	29.76	23.76	8.94	11.00	8.94
Mid	5580	24.00	23.79	29.79	23.79	8.94	11.00	8.94
High	5700	24.00	23.77	29.77	23.77	8.94	11.00	8.94

Duty Cycle CF (dB)	2.93	Included in Calculations of Corr'd PSD
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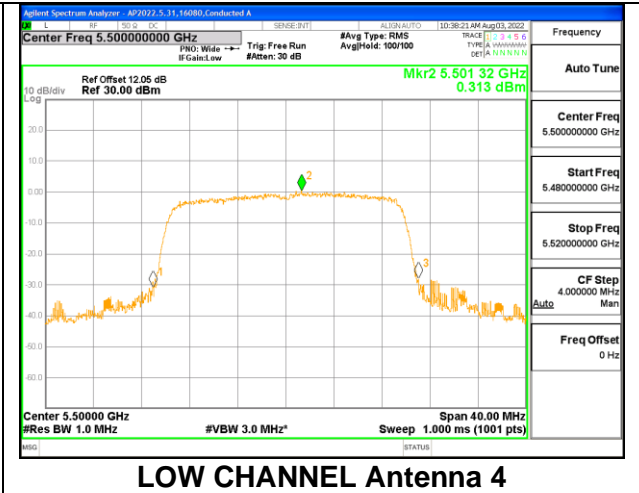
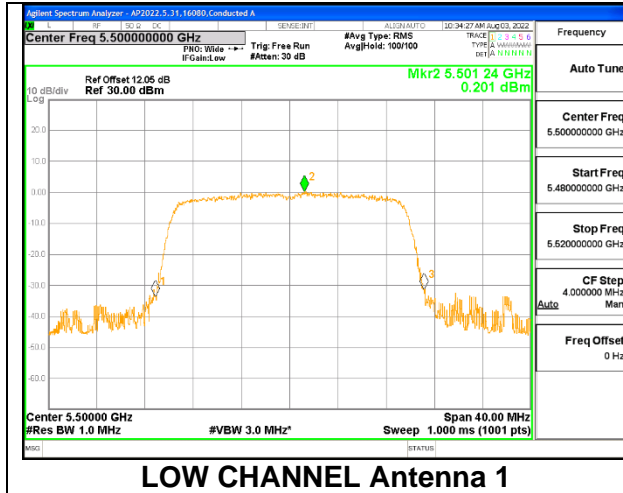
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	15.35	15.10	18.24	23.76	-5.52
Mid	5580	15.30	15.69	18.51	23.79	-5.28
High	5700	15.00	15.64	18.34	23.77	-5.43

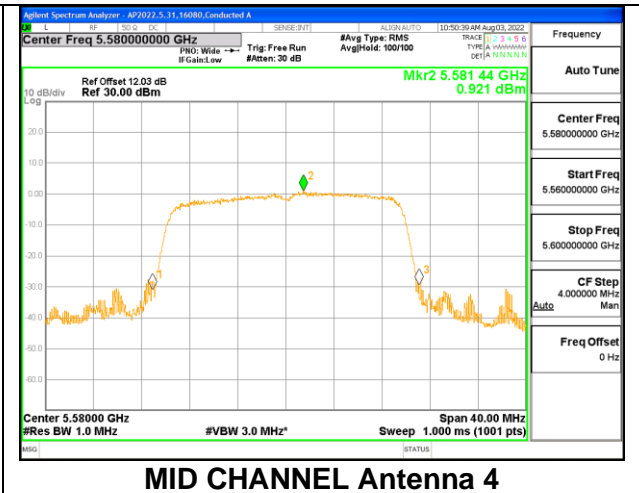
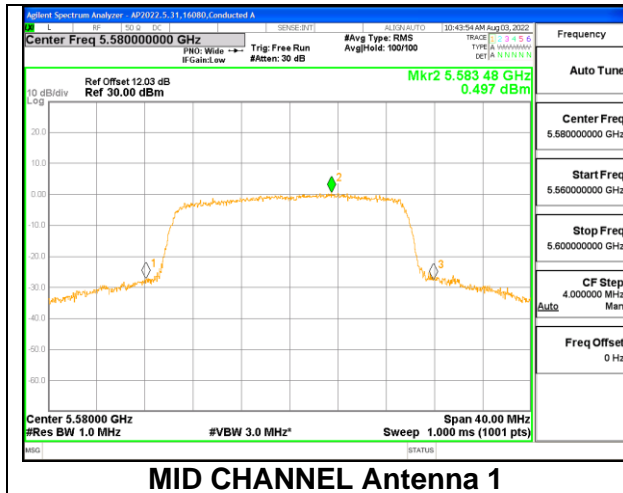
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	0.201	0.313	6.198	8.94	-2.74
Mid	5580	0.497	0.921	6.654	8.94	-2.29
High	5700	0.481	0.665	6.514	8.94	-2.43

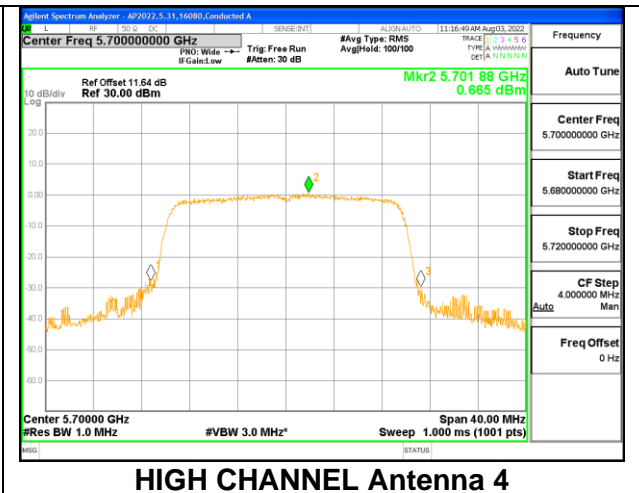
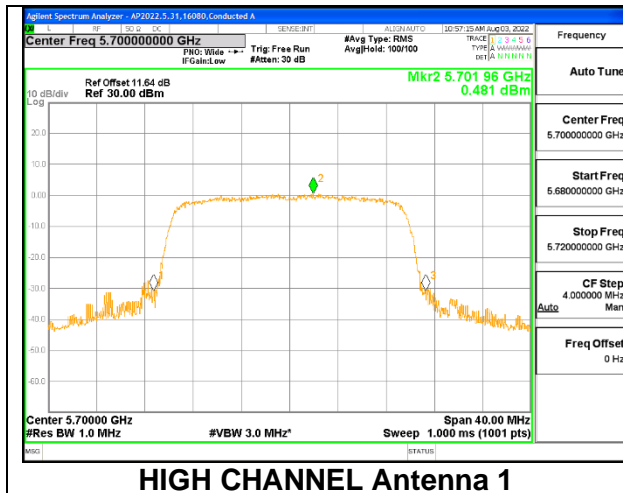
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	23.76	29.76	23.76	8.94	11.00	8.94
Mid	5580	24.00	23.79	29.79	23.79	8.94	11.00	8.94
High	5700	24.00	23.77	29.77	23.77	8.94	11.00	8.94

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	15.35	15.09	18.23	23.76	-5.53
Mid	5580	15.23	15.40	18.33	23.79	-5.46
High	5700	15.00	15.63	18.34	23.77	-5.43

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

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	19.12	17.959	5.05	8.06

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	23.81	23.54	29.54	23.54	8.94	11.00	8.94

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PSD
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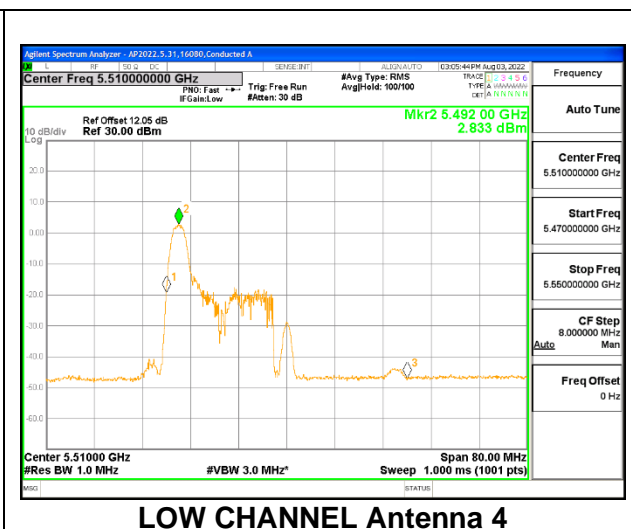
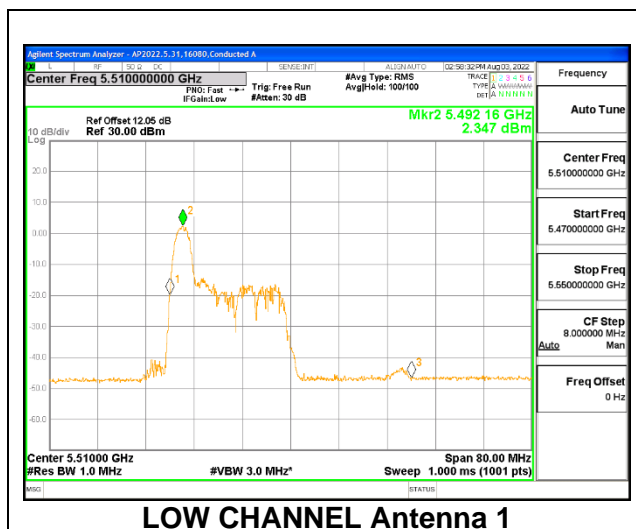
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.94	8.65	11.81	23.54	-11.74

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	2.347	2.833	7.45	8.94	-1.49

LOW CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	22.00	19.771	5.05	8.06

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	23.96	29.96	23.96	8.94	11.00	8.94

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PSD
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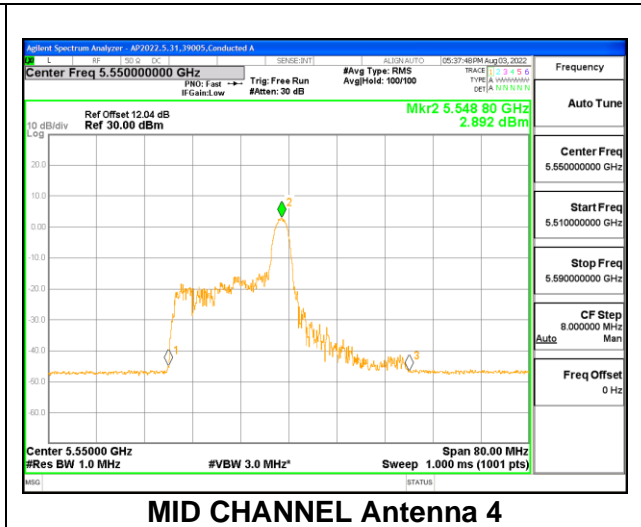
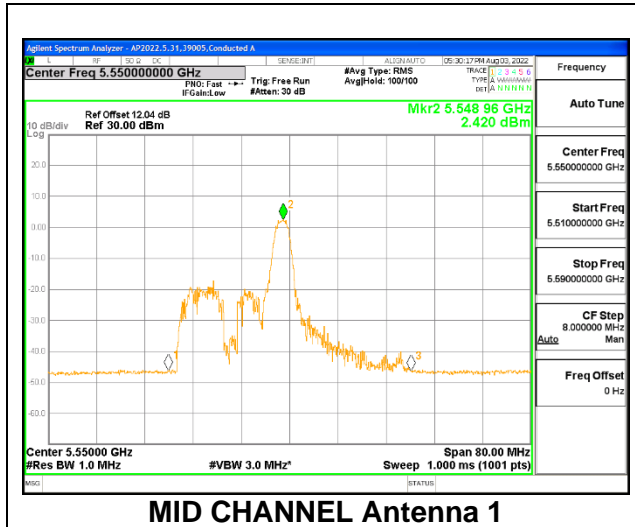
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5550	9.32	9.50	12.42	23.96	-11.54

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5550	2.420	2.892	7.51	8.94	-1.43

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	17.871	5.05	8.06

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	23.52	29.52	23.52	8.94	11.00	8.94

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd PSD
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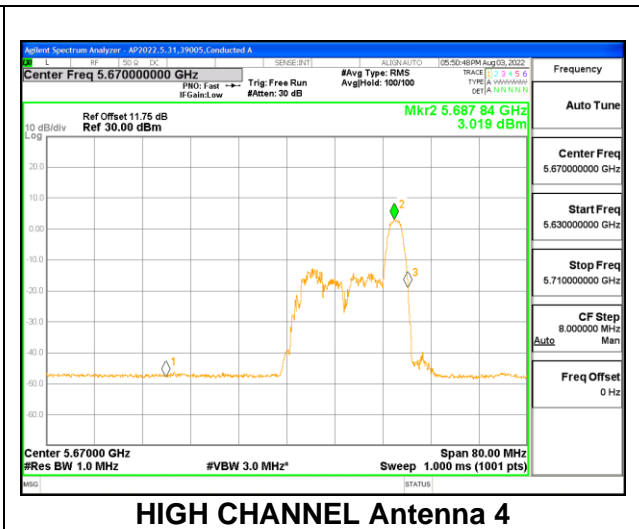
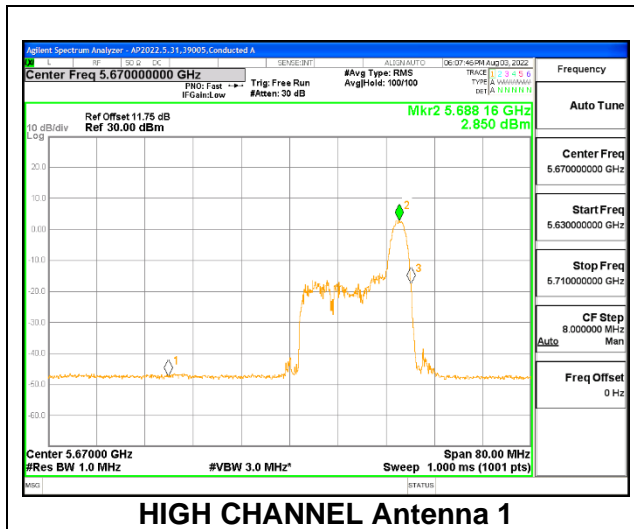
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5670	9.02	10.00	12.55	23.52	-10.97

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5670	2.850	3.019	7.79	8.94	-1.15

HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	40.08	37.372	5.05	8.06
Mid	5550	40.00	37.420	5.05	8.06
High	5670	40.16	37.351	5.05	8.06

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	24.00	24.00	30.00	24.00	8.94	11.00	8.94
Mid	5550	24.00	24.00	30.00	24.00	8.94	11.00	8.94
High	5670	24.00	24.00	30.00	24.00	8.94	11.00	8.94

Duty Cycle CF (dB)	2.96	Included in Calculations of Corr'd PSD
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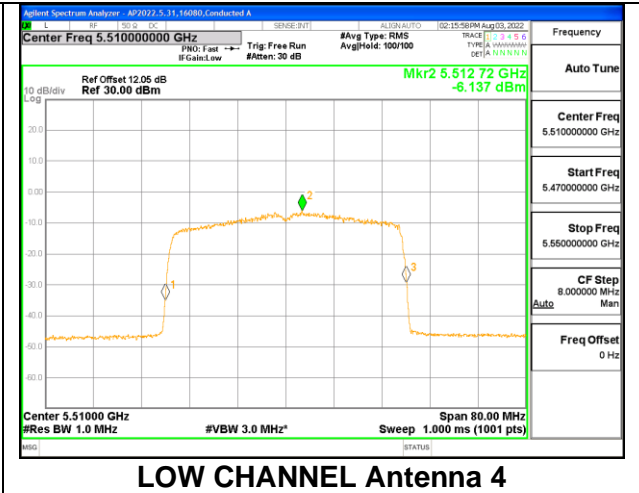
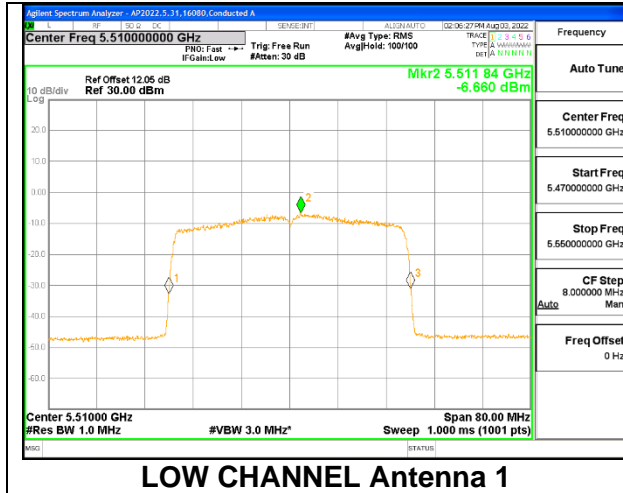
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	10.84	11.02	13.94	24.00	-10.06
Mid	5550	10.90	11.34	14.14	24.00	-9.86
High	5670	10.80	11.78	14.33	24.00	-9.67

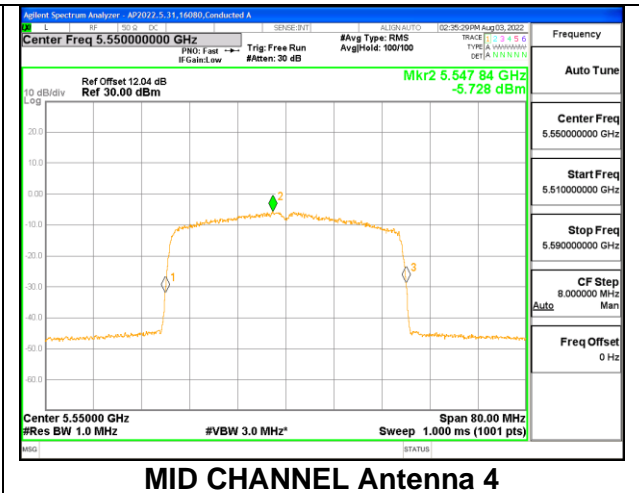
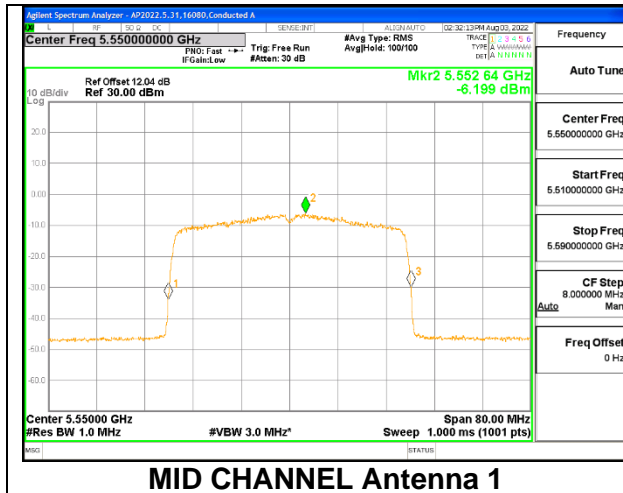
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-6.660	-6.137	-0.42	8.94	-9.36
Mid	5550	-6.199	-5.728	0.01	8.94	-8.93
High	5670	-6.471	-5.382	0.08	8.94	-8.86

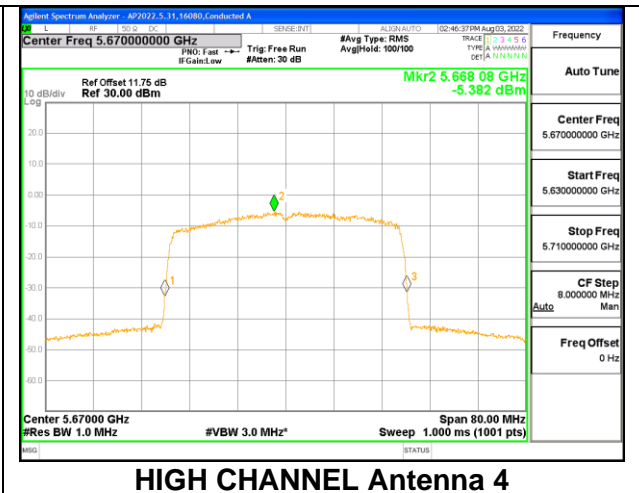
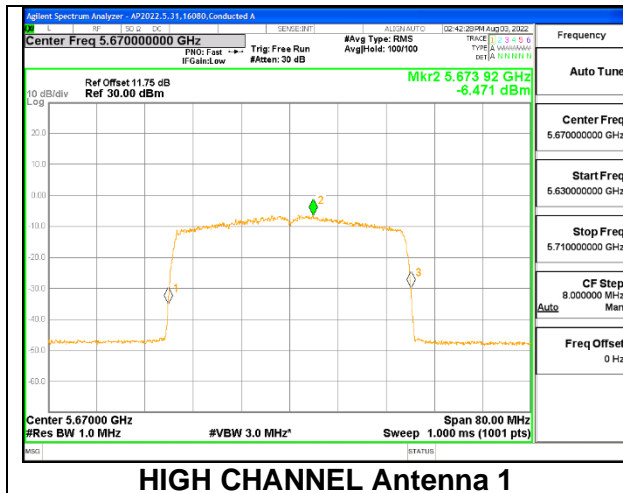
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	24.00	24.00	30.00	24.00	8.94	11.00	8.94
Mid	5550	24.00	24.00	30.00	24.00	8.94	11.00	8.94
High	5670	24.00	24.00	30.00	24.00	8.94	11.00	8.94

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	10.84	11.00	13.93	24.00	-10.07
Mid	5550	10.91	11.25	14.09	24.00	-9.91
High	5670	10.78	11.68	14.26	24.00	-9.74

9.5.12. 802.11ax HE80 MODE 2TX IN THE 5.6GHz BAND (FCC+IC)

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	5530	19.36	18.070	5.05	8.06

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	5530	23.87	23.57	29.57	23.57	8.94	11.00	8.94

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PSD
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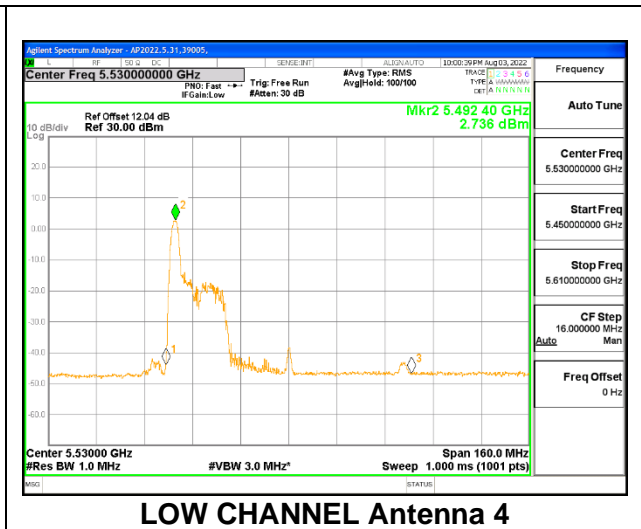
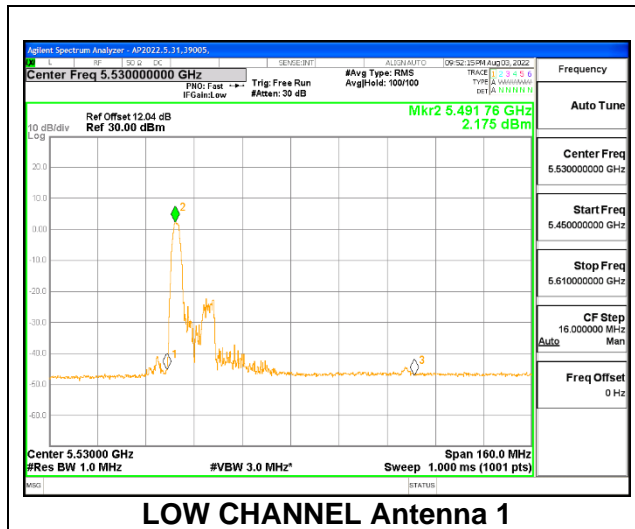
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	8.88	8.79	11.85	23.57	-11.72

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	2.175	2.736	7.485	8.94	-1.46

LOW CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	5610	19.36	18.007	5.05	8.06

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	5610	23.87	23.55	29.55	23.55	8.94	11.00	8.94

Duty Cycle CF (dB)	2.01	Included in Calculations of Corr'd PSD
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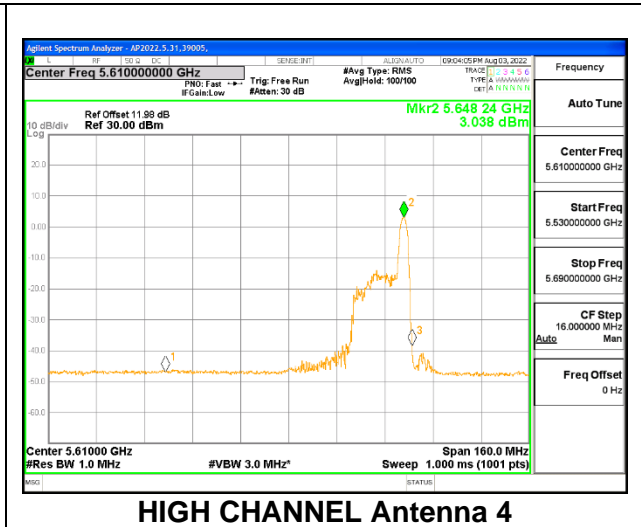
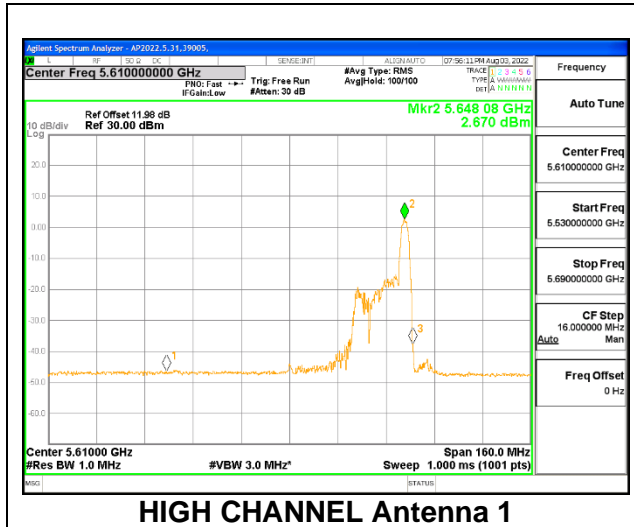
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5610	9.34	9.60	12.48	23.55	-11.07

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5610	2.670	3.038	7.878	8.94	-1.06

HIGH CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	5530	81.60	76.316	5.05	8.06
High	5610	81.60	76.596	5.05	8.06

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	5530	24.00	24.00	30.00	24.00	8.94	11.00	8.94
High	5610	24.00	24.00	30.00	24.00	8.94	11.00	8.94

Duty Cycle CF (dB)	3.29	Included in Calculations of Corr'd PSD
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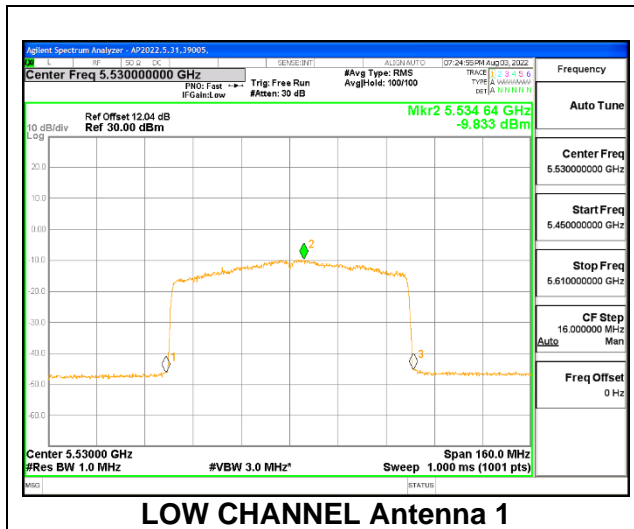
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	10.92	11.09	14.02	24.00	-9.98
High	5610	11.21	11.47	14.35	24.00	-9.65

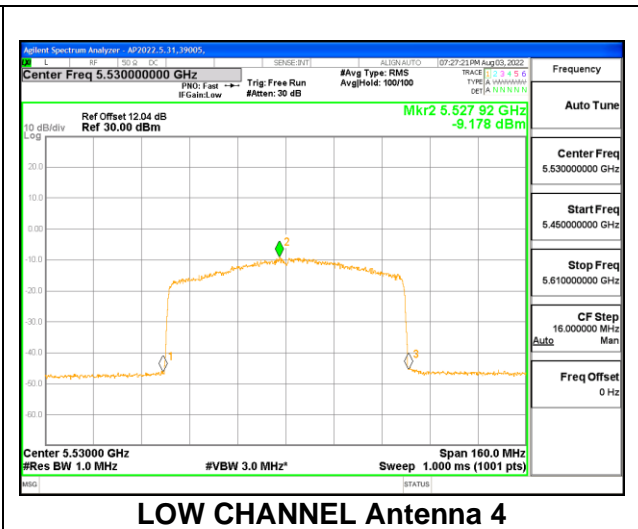
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-9.833	-9.178	-3.193	8.94	-12.13
High	5610	-9.414	-9.095	-2.951	8.94	-11.89

LOW CHANNEL

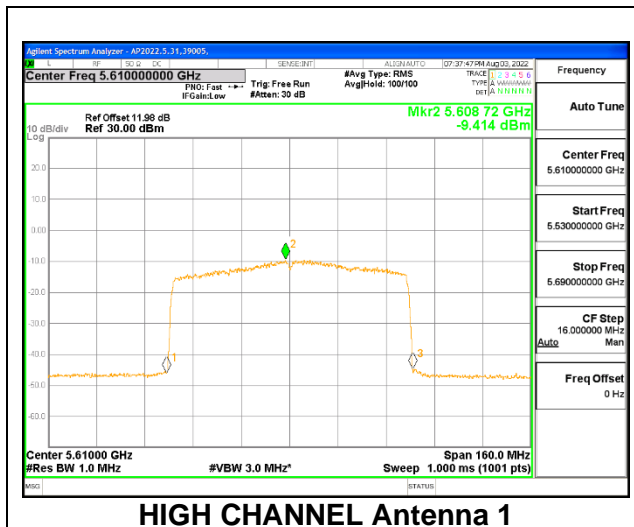


LOW CHANNEL Antenna 1

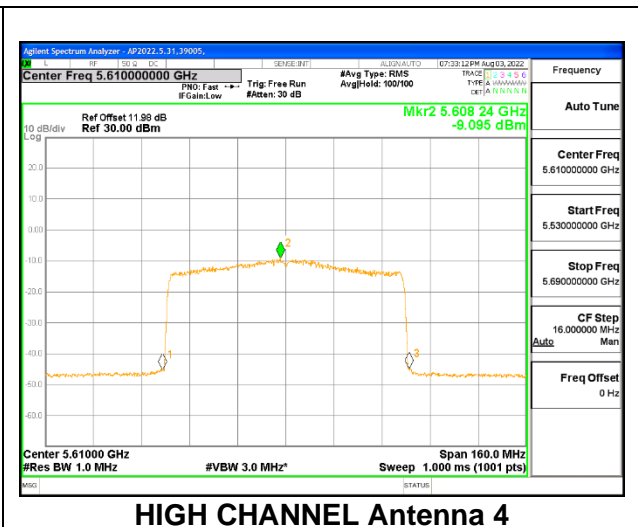


LOW CHANNEL Antenna 4

HIGH CHANNEL



HIGH CHANNEL Antenna 1



HIGH CHANNEL Antenna 4

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: SU, Single User

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-03

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	5530	24.00	24.00	30.00	24.00	8.94	11.00	8.94
High	5610	24.00	24.00	30.00	24.00	8.94	11.00	8.94

Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	10.90	11.04	13.98	24.00	-10.02
High	5610	11.22	11.43	14.34	24.00	-9.66

9.5.13. 802.11ax HE20 MODE 2TX IN THE 5.8GHz BAND (FCC+IC)

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and PV27966
Test Date:	2022-08-24

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)
Low	5745	5.15	8.16	30.00	27.84

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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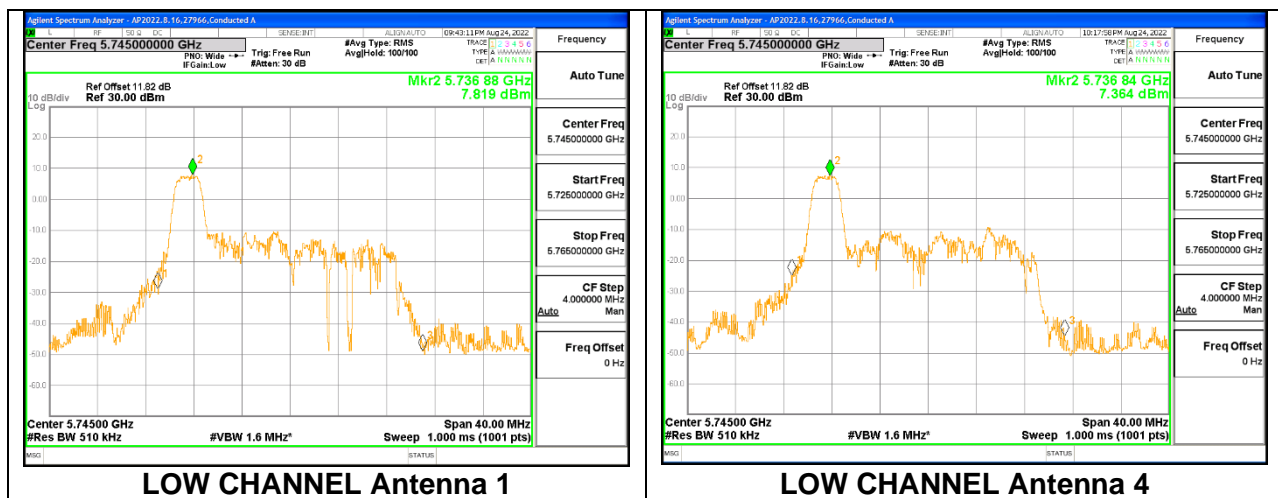
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	15.26	15.67	18.48	30.00	-11.52

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	7.819	7.364	12.578	27.84	-15.26

LOW CHANNEL



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

Test Engineer:	RA39005 and PV27966
Test Date:	2022-08-24

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	5785	5.15	8.16	30.00	27.84

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5785	15.31	15.67	18.50	30.00	-11.50

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
High	5825	7.665	7.686	12.656	27.73	-15.07

MID CHANNEL



2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8

Test Engineer:	RA39005 and PV27966
Test Date:	2022-08-24

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	5.15	8.16	30.00	27.84

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5825	16.10	16.64	19.39	30.00	-10.61

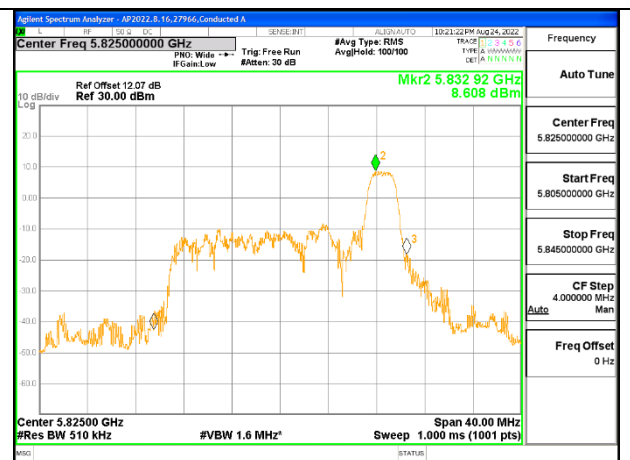
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
High	5825	7.942	8.608	13.268	27.84	-14.57

HIGH CHANNEL



HIGH CHANNEL Antenna 1



HIGH CHANNEL Antenna 4

2TX Antenna 1 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	RA39005 and ZS16080
Test Date:	2022-08-04

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)
Low	5745	5.15	8.16	30.00	27.84
Mid	5785	5.15	8.16	30.00	27.84
High	5825	5.15	8.16	30.00	27.84

Duty Cycle CF (dB)	2.93	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	19.35	20.00	22.70	30.00	-7.30
Mid	5785	19.52	19.65	22.60	30.00	-7.40
High	5825	18.23	18.55	21.40	30.00	-8.60

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	2.258	3.019	8.595	27.84	-19.24
Mid	5785	2.005	2.488	8.194	27.84	-19.65
High	5825	2.902	2.809	8.796	27.84	-19.04