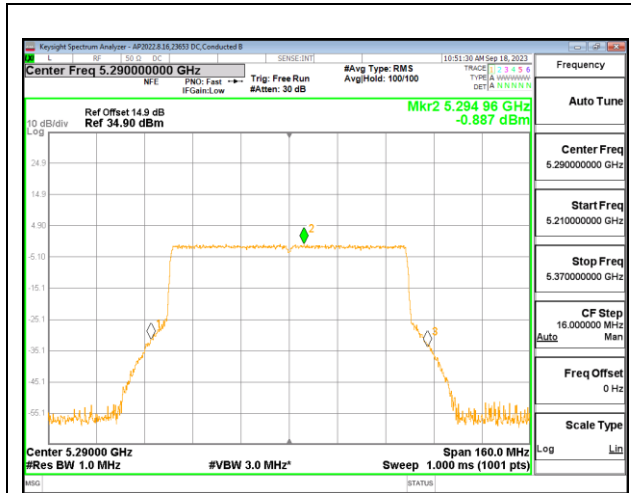
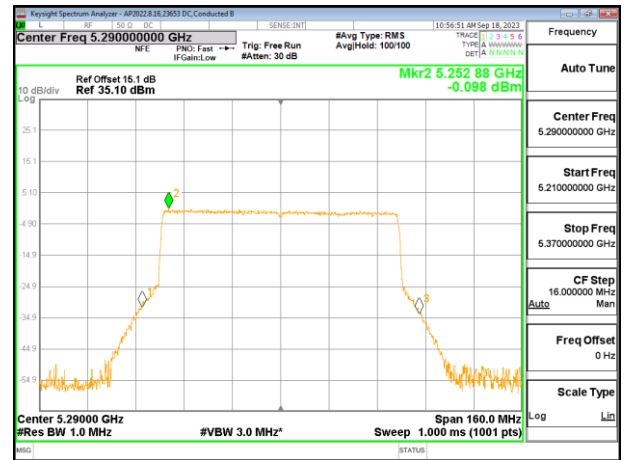


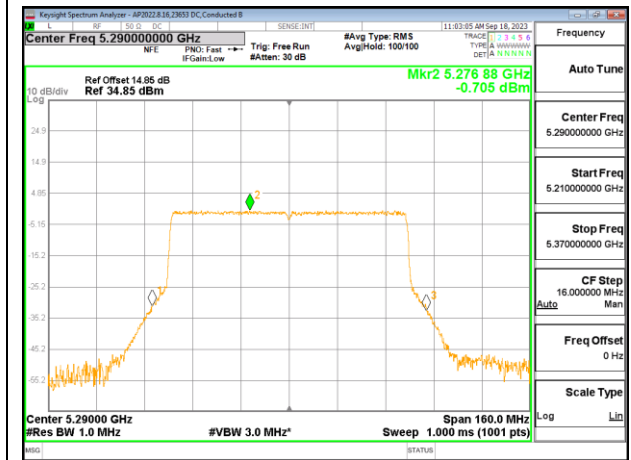
MID CHANNEL



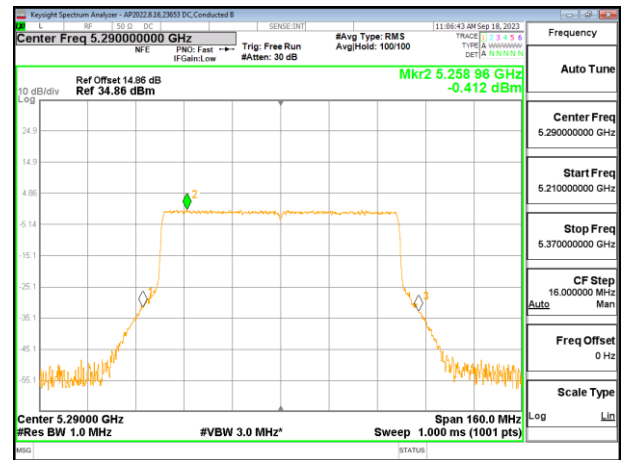
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.7. 802.11ax HE160 MODE IN THE 5.3GHz BAND

1TX Antenna 6 OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

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	5250	174.72	155.580	3.76	3.76

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	5250	24.00	24.00	30.00	24.00	11.00	11.00	11.00

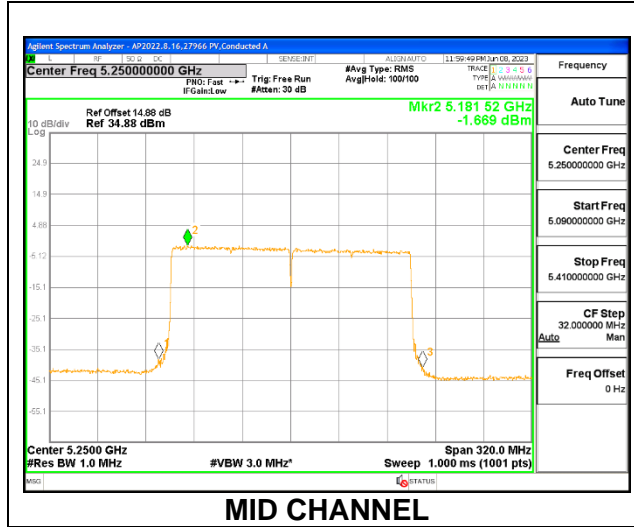
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PPSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	19.04	19.04	24.00	-4.96

PPSD Results

Channel	Frequency (MHz)	Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5250	-1.669	-1.67	11.00	-12.67



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

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	5250	173.12	156.720	3.76	6.77

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	5250	24.00	24.00	30.00	24.00	10.23	11.00	10.23

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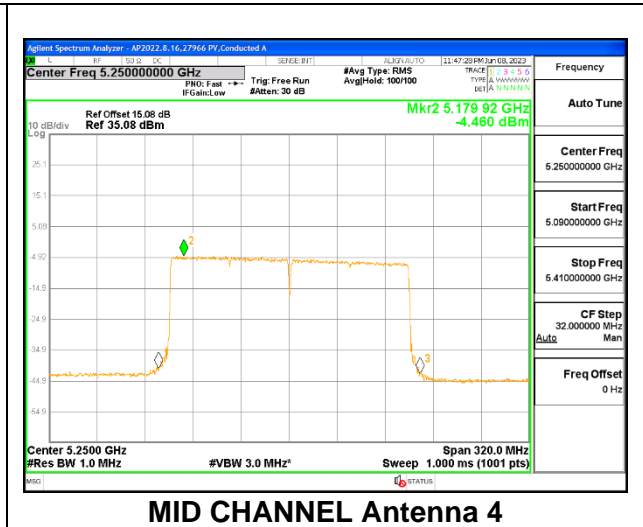
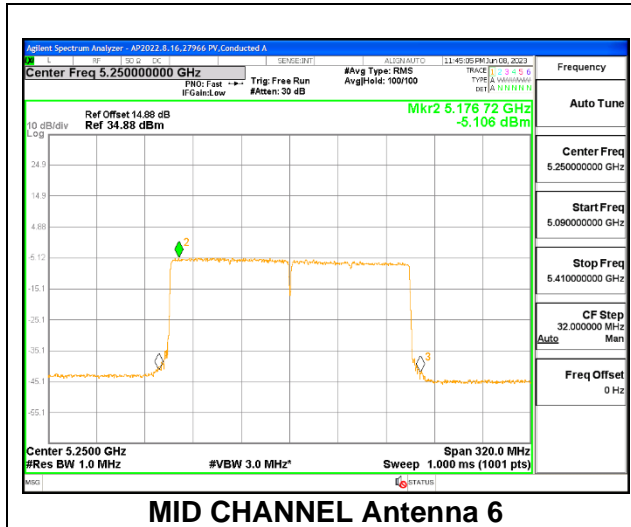
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Mid	5250	16.04	16.26	19.16	24.00	-4.84

PPSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margi n (dB)
Mid	5250	-5.106	-4.460	-1.76	10.23	-11.99

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-18

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	5250	174.08	157.12	3.76	9.78

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	5250	24.00	24.00	30.00	24.00	7.22	11.00	7.22

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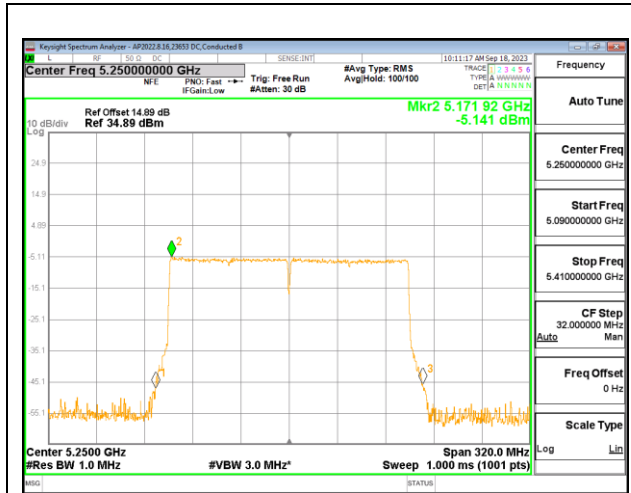
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	15.63	15.78	15.48	16.26	21.82	24.00	-2.18

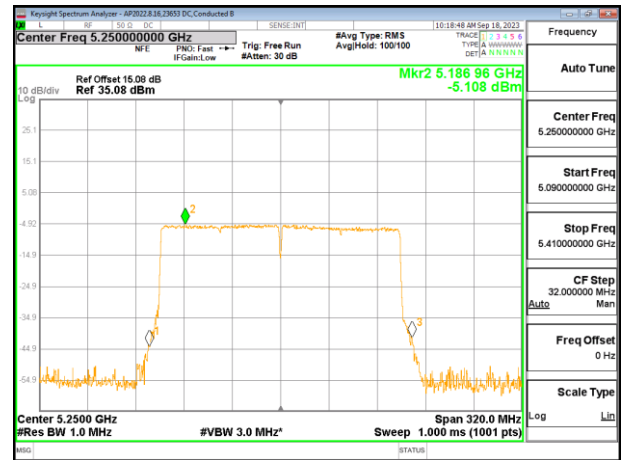
PPSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Antenna 9 Meas PPSD (dBm/ 1MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5250	-5.141	-5.108	-5.314	-4.714	0.96	7.22	-6.26

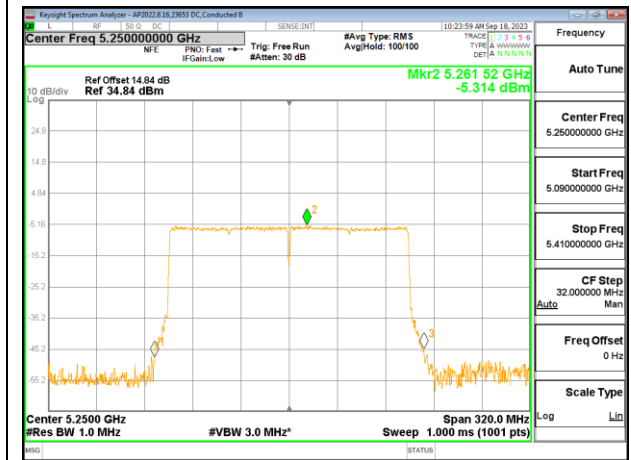
MID CHANNEL



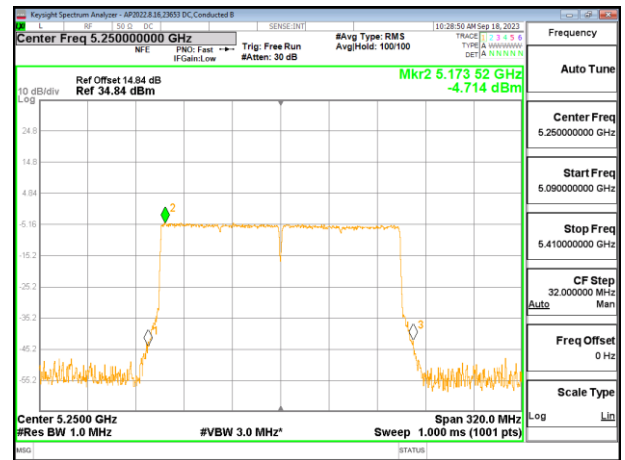
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.8. 802.11be EHT160 MODE IN THE 5.3GHz BAND

1TX Antenna 6 OFDMA MODE: 2x 996-Tones, Index S68 (FCC/IC)

Test Engineer:	ZS 16080
Test Date:	2023-06-07

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	5250	173.44	157.090	3.67	3.67

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	5250	24.00	24.00	30.00	24.00	11.00	11.00	11.00

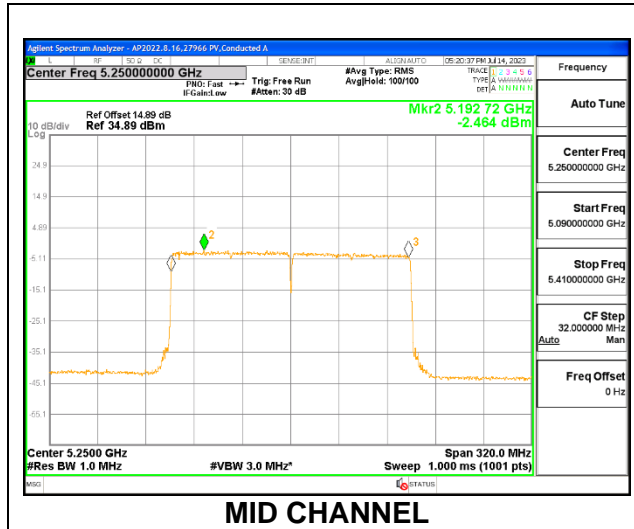
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PPSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	18.12	18.12	24.00	-5.88

PPSD Results

Channel	Frequency (MHz)	Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5250	-2.464	-2.46	11.00	-13.46



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-08

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	5250	176.32	157.090	3.76	6.77

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	5250	24.00	24.00	30.00	24.00	10.23	11.00	10.23

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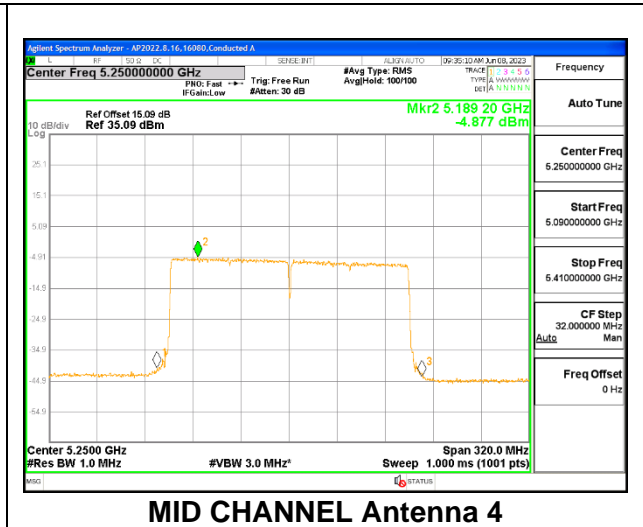
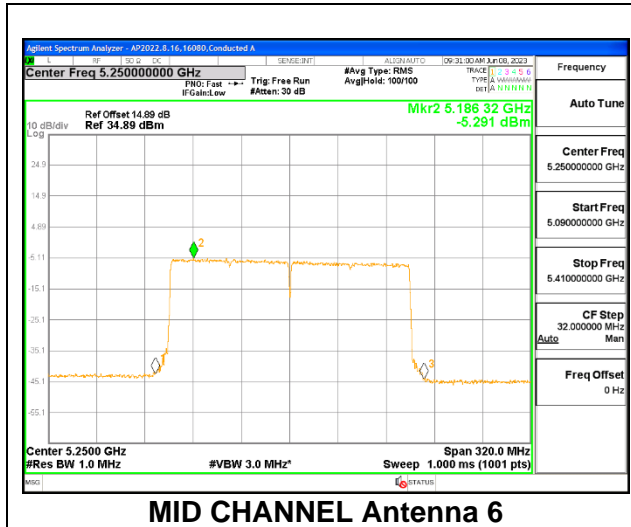
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Mid	5250	15.58	15.92	18.76	24.00	-5.24

PPSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margi n (dB)
Mid	5250	-5.291	-4.877	-2.07	10.23	-12.30

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC)

Test Engineer:	DC 23653
Test Date:	2023-09-18

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	5250	174.40	156.80	3.76	9.78

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	5250	24.00	24.00	30.00	24.00	7.22	11.00	7.22

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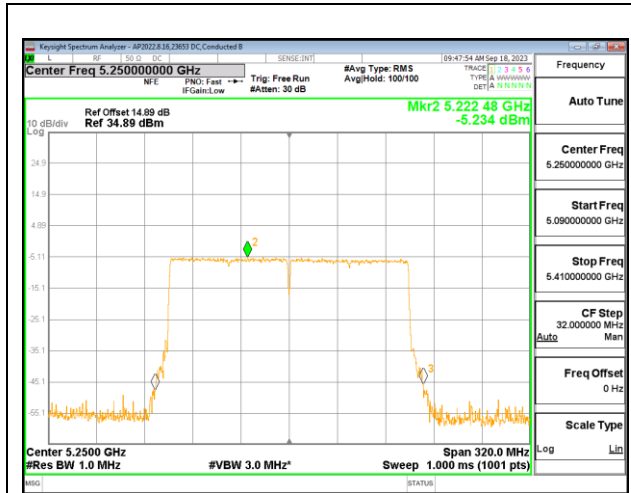
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	15.64	15.97	15.61	16.26	21.90	24.00	-2.10

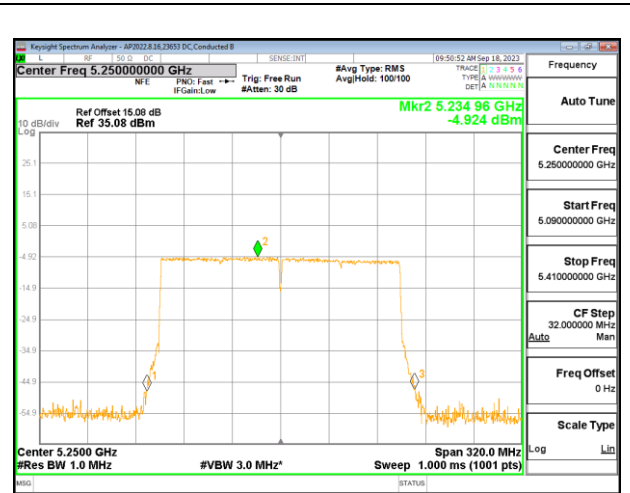
PPSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Antenna 9 Meas PPSD (dBm/ 1MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5250	-5.234	-4.294	-5.427	-4.683	1.13	7.22	-6.09

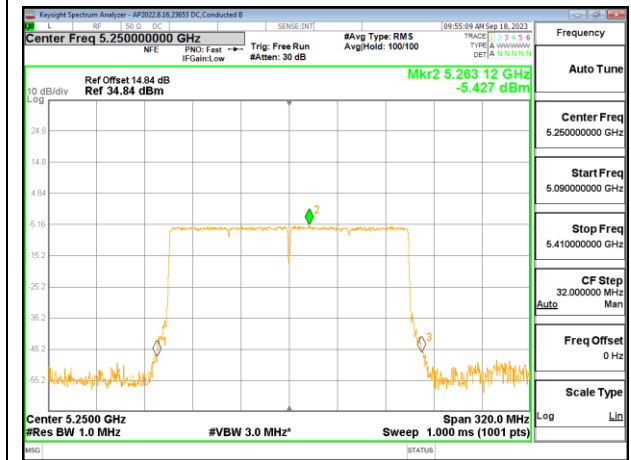
MID CHANNEL



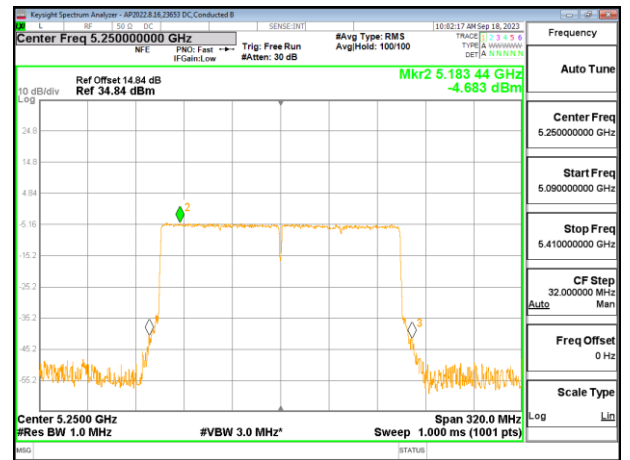
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.9. 802.11ax HE20 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	RA 39005 and PV 27966
Test Date:	2023-05-09 to 2023-06-12

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5500	23.20	19.048	3.59
Mid	5580	23.20	19.035	3.59
High	5700	23.56	19.068	3.59
144	5720	23.24	19.052	3.59

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	23.80	29.80	23.80	11.00	11.00	11.00
Mid	5580	24.00	23.80	29.80	23.80	11.00	11.00	11.00
High	5700	24.00	23.80	29.80	23.80	11.00	11.00	11.00
144	5720	24.00	23.80	29.80	23.80	11.00	11.00	11.00

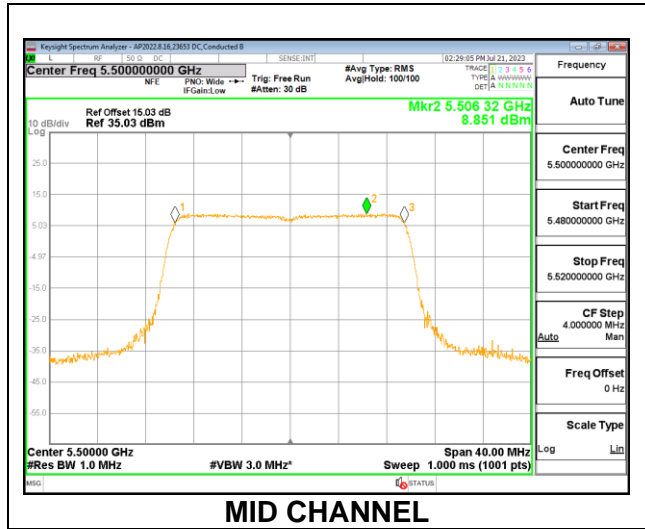
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	20.49	20.49	23.80	-3.31
Mid	5580	22.43	22.43	23.80	-1.37
High	5700	19.65	19.65	23.80	-4.15
144	5720	22.45	22.45	23.80	-1.35

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	8.85	8.85	11.00	-2.15
Mid	5580	10.46	10.46	11.00	-0.54
High	5700	7.68	7.68	11.00	-3.32
144	5720	10.04	10.04	11.00	-0.96



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-05-10

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	22.56	19.087	3.59	6.60
Mid	5580	22.88	19.987	3.59	6.60
High	5700	22.84	19.082	3.59	6.60
144	5720	22.68	19.010	3.59	6.60

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	23.81	29.81	23.81	10.40	11.00	10.40
Mid	5580	24.00	24.00	30.00	24.00	10.40	11.00	10.40
High	5700	24.00	23.81	29.81	23.81	10.40	11.00	10.40
144	5720	24.00	23.79	29.79	23.79	10.40	11.00	10.40

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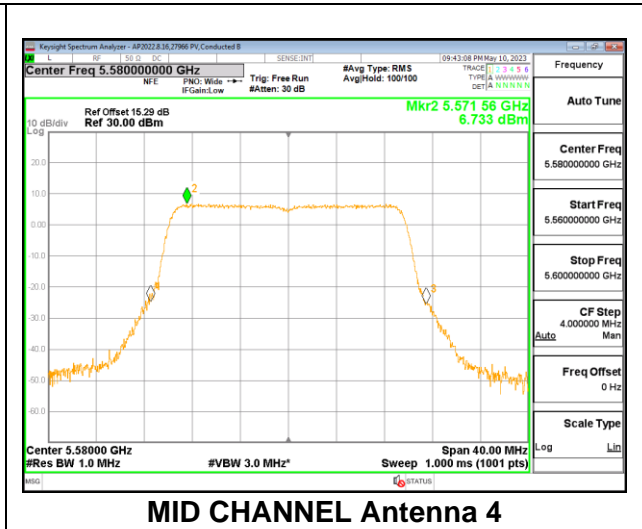
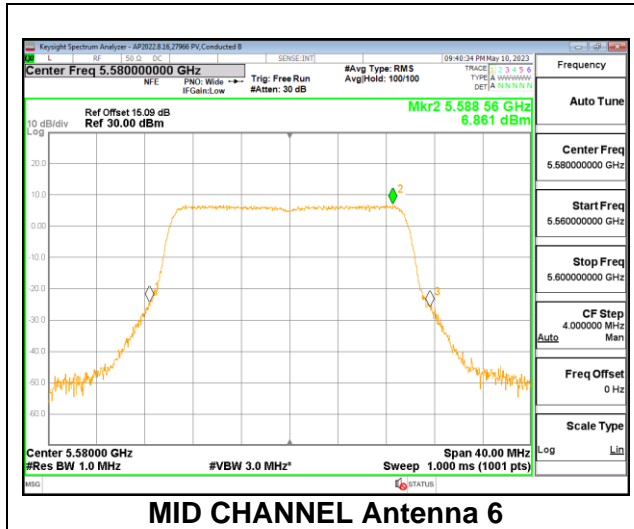
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	19.17	19.07	22.13	23.81	-1.68
Mid	5580	18.70	18.66	21.69	24.00	-2.31
High	5700	19.47	18.71	22.12	23.81	-1.69
144	5720	19.40	19.05	22.24	23.79	-1.55

PSD Results

Channel	Frequency (MHz)	Antenna 6 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	7.134	6.966	10.061	10.40	-0.34
Mid	5580	6.861	6.733	9.808	10.40	-0.59
High	5700	7.322	6.588	9.981	10.40	-0.42
144	5720	7.464	6.823	10.166	10.40	-0.23

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-15

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	22.48	19.035	3.59	9.61
Mid	5580	22.48	19.024	3.59	9.61
High	5700	22.52	19.029	3.59	9.61
144	5720	22.44	19.032	3.59	9.61

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	23.80	29.80	23.80	7.39	11.00	7.39
Mid	5580	24.00	23.79	29.79	23.79	7.39	11.00	7.39
High	5700	24.00	23.79	29.79	23.79	7.39	11.00	7.39
144	5720	24.00	23.79	29.79	23.79	7.39	11.00	7.39

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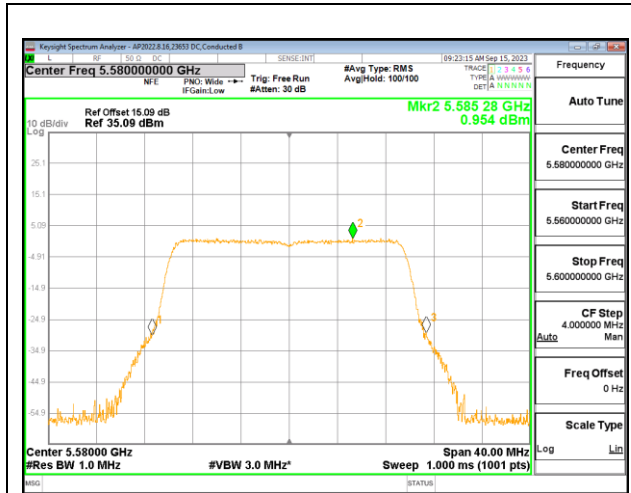
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	13.56	13.54	12.87	13.93	19.51	23.80	-4.28
Mid	5580	12.96	13.34	13.18	13.57	19.29	23.79	-4.50
High	5700	12.63	12.98	12.23	12.72	18.67	23.79	-5.13
144	5720	13.12	13.27	12.51	13.15	19.04	23.79	-4.75

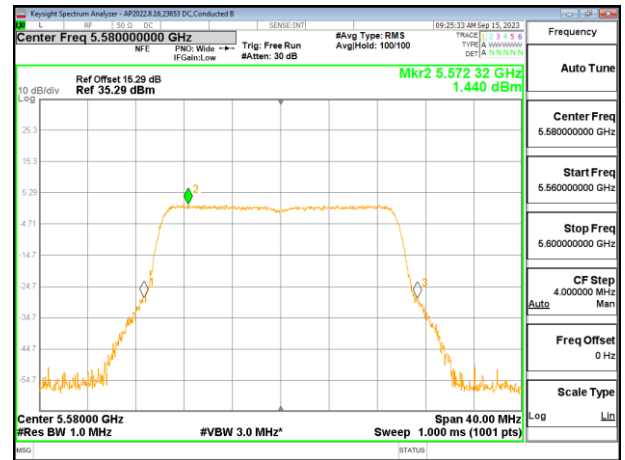
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	1.171	1.095	0.714	1.689	7.202	7.39	-0.19
Mid	5580	0.954	1.440	1.177	1.512	7.297	7.39	-0.09
High	5700	0.257	0.428	-0.458	0.271	6.158	7.39	-1.23
144	5720	0.917	0.929	0.215	0.919	6.780	7.39	-0.61

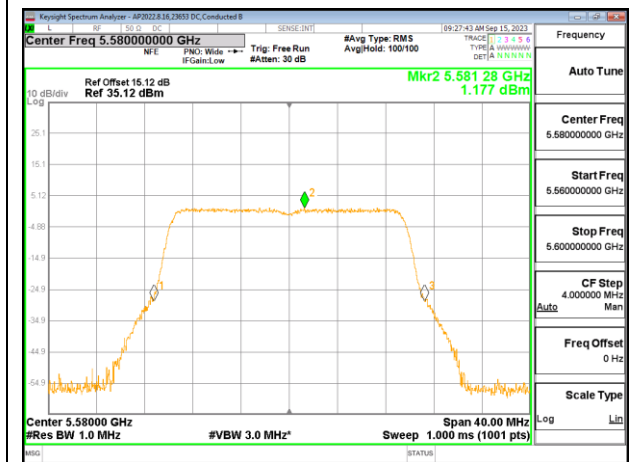
MID CHANNEL



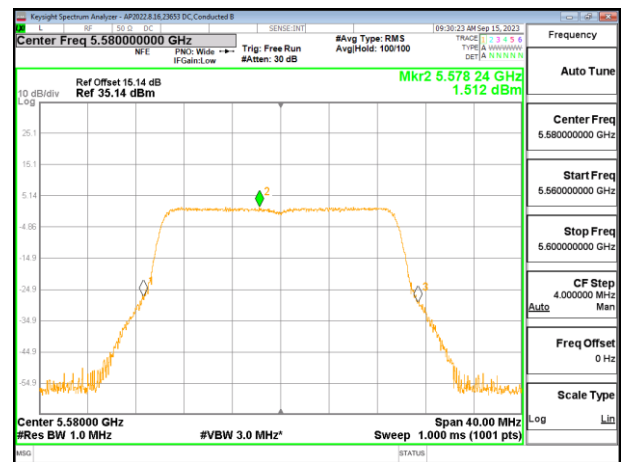
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.10. 802.11be EHT20 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	ZS 16080 and PV 27966
Test Date:	2023-06-07 to 2023-06-12

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5500	23.36	19.072	3.59
Mid	5580	23.52	19.061	3.59
High	5700	23.40	19.090	3.59
144	5720	23.60	19.088	3.59

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	23.80	29.80	23.80	11.00	11.00	11.00
Mid	5580	24.00	23.80	29.80	23.80	11.00	11.00	11.00
High	5700	24.00	23.81	29.81	23.81	11.00	11.00	11.00
144	5720	24.00	23.81	29.81	23.81	11.00	11.00	11.00

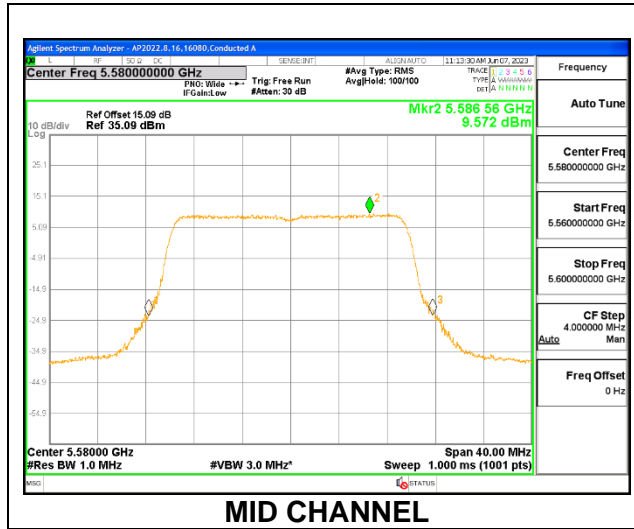
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	22.60	22.60	23.80	-1.20
Mid	5580	22.59	22.59	23.80	-1.21
High	5700	18.82	18.82	23.81	-4.99
144	5720	22.75	22.75	23.81	-1.06

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	8.955	8.955	11.00	-2.05
Mid	5580	9.572	9.572	11.00	-1.43
High	5700	6.550	6.550	11.00	-4.45
144	5720	10.860	10.860	11.00	-0.14



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	ZS 16080, DC 23653
Test Date:	2023-06-08, 2023-08-23

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	23.28	19.031	3.59	6.60
Mid	5580	23.24	19.056	3.59	6.60
High	5700	23.36	19.049	3.59	6.60
144	5720	23.20	19.074	3.59	6.60

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	23.79	29.79	23.79	10.40	11.00	10.40
Mid	5580	24.00	23.80	29.80	23.80	10.40	11.00	10.40
High	5700	24.00	23.80	29.80	23.80	10.40	11.00	10.40
144	5720	24.00	23.80	29.80	23.80	10.40	11.00	10.40

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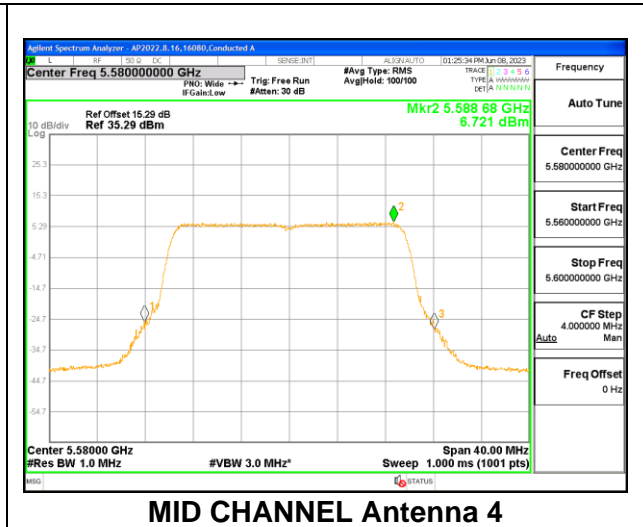
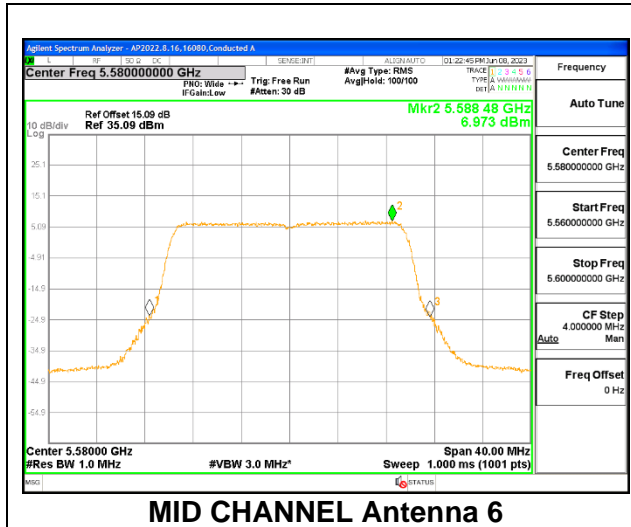
Output Power Results

Channel	Frequency (MHz)	Antenna Meas Power (dBm)	Antenna Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	19.61	19.66	22.65	23.79	-1.15
Mid	5580	20.03	19.81	22.93	23.80	-0.87
High	5700	18.51	18.79	21.66	23.80	-2.14
144	5720	19.21	18.71	21.98	23.80	-1.83

PSD Results

Channel	Frequency (MHz)	Antenna Meas PSD (dBm/ 1MHz)	Antenna Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	6.990	7.271	10.143	10.40	-0.26
Mid	5580	6.973	6.721	9.859	10.40	-0.54
High	5700	6.198	6.523	9.374	10.40	-1.03
144	5720	7.017	6.659	9.852	10.40	-0.55

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-13 to 2023-09-14

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	23.12	19.026	3.59	9.61
Mid	5580	23.12	19.081	3.59	9.61
High	5700	23.12	19.030	3.59	9.61
144	5720	22.96	19.028	3.59	9.61

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	23.79	29.79	23.79	7.39	11.00	7.39
Mid	5580	24.00	23.81	29.81	23.81	7.39	11.00	7.39
High	5700	24.00	23.79	29.79	23.79	7.39	11.00	7.39
144	5720	24.00	23.79	29.79	23.79	7.39	11.00	7.39

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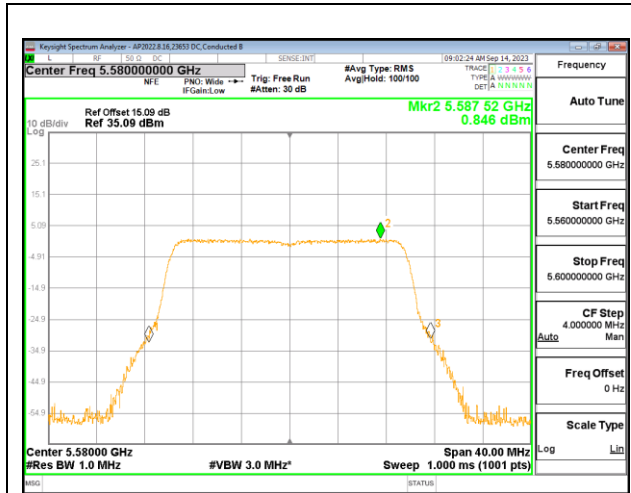
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	13.61	13.47	13.19	13.83	19.55	23.79	-4.24
Mid	5580	12.99	13.45	13.27	13.63	19.36	23.81	-4.44
High	5700	11.99	12.05	11.61	12.13	17.97	23.79	-5.82
144	5720	13.07	13.31	12.53	13.09	19.03	23.79	-4.76

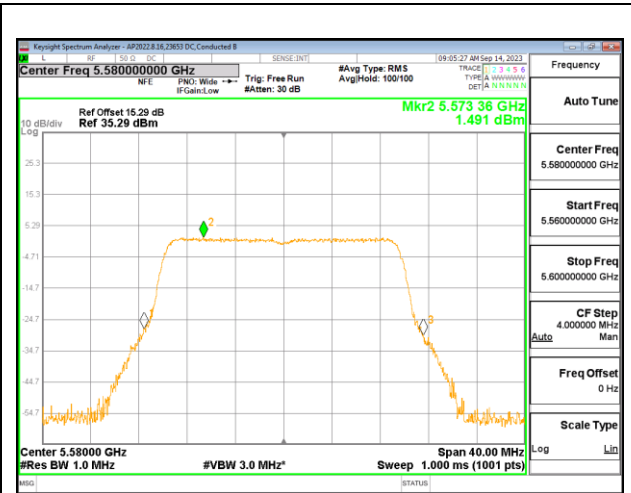
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	1.110	0.984	0.689	1.368	7.065	7.39	-0.32
Mid	5580	0.846	1.491	1.258	1.797	7.382	7.39	-0.01
High	5700	-0.183	-0.195	-0.611	0.030	5.787	7.39	-1.60
144	5720	0.836	0.839	0.120	0.745	6.666	7.39	-0.72

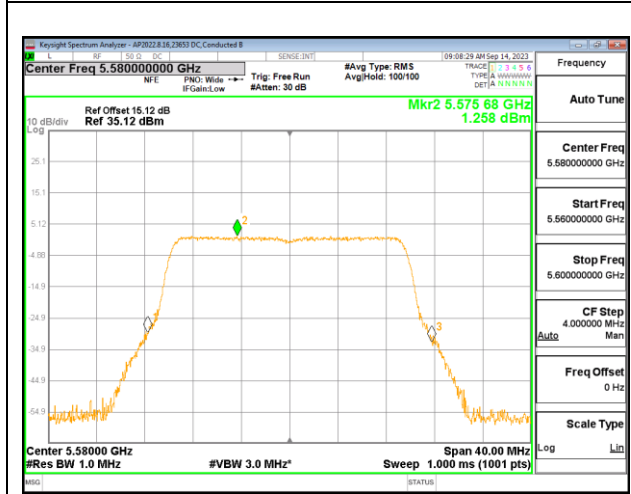
MID CHANNEL



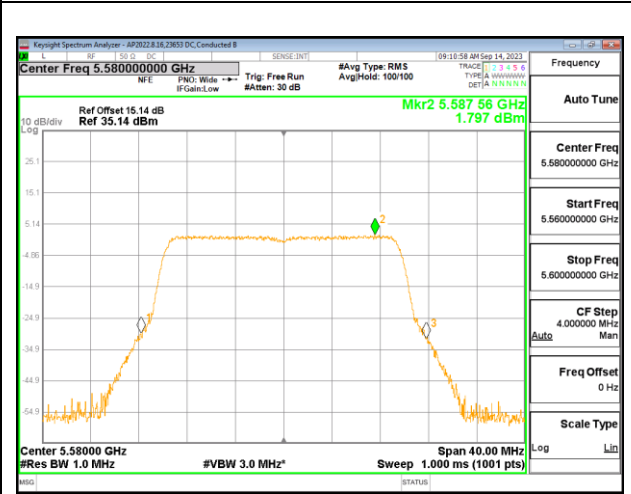
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.11. 802.11ax HE40 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08 to 2023-06-12

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5510	46.88	38.092	3.59
Mid	5550	46.32	38.001	3.59
High	5670	46.48	38.065	3.59
142	5710	45.92	37.990	3.59

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	11.00	11.00	11.00
Mid	5550	24.00	24.00	30.00	24.00	11.00	11.00	11.00
High	5670	24.00	24.00	30.00	24.00	11.00	11.00	11.00
142	5710	24.00	24.00	30.00	24.00	11.00	11.00	11.00

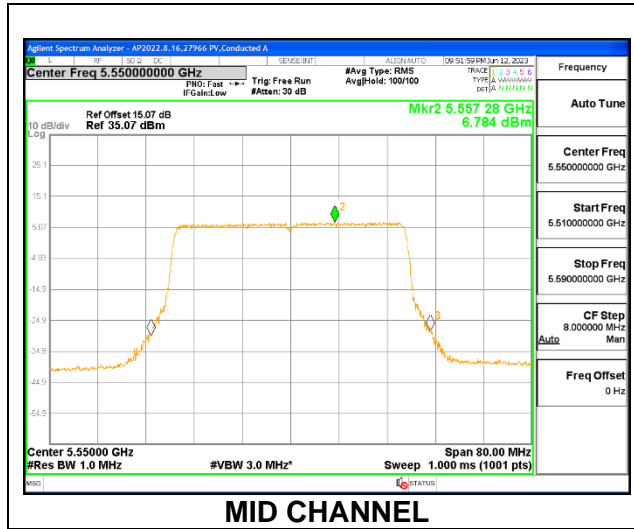
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	21.93	21.93	24.00	-2.07
Mid	5550	23.30	23.30	24.00	-0.70
High	5670	23.45	23.45	24.00	-0.55
142	5710	23.85	23.85	24.00	-0.15

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	5.097	5.10	11.00	-5.90
Mid	5550	6.784	6.78	11.00	-4.22
High	5670	8.693	8.69	11.00	-2.31
142	5710	8.258	8.26	11.00	-2.74



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08 to 2023-06-12

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5510	45.36	37.941	3.59	6.60
Mid	5550	44.96	37.930	3.59	6.60
High	5670	45.04	37.882	3.59	6.60
142	5710	44.80	37.968	3.59	6.60

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	10.40	11.00	10.40
Mid	5550	24.00	24.00	30.00	24.00	10.40	11.00	10.40
High	5670	24.00	24.00	30.00	24.00	10.40	11.00	10.40
142	5710	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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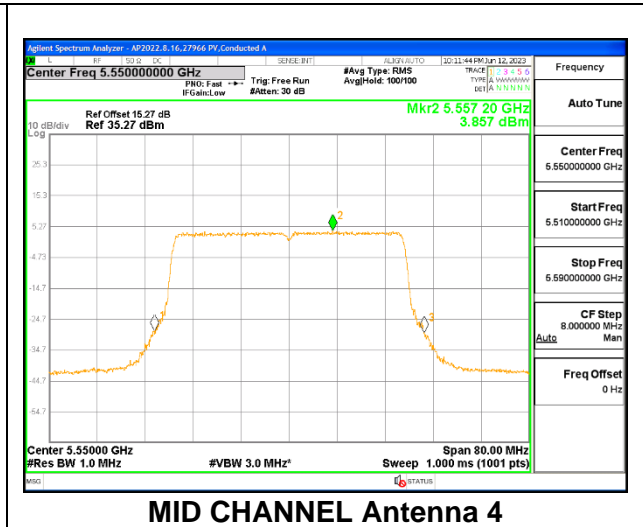
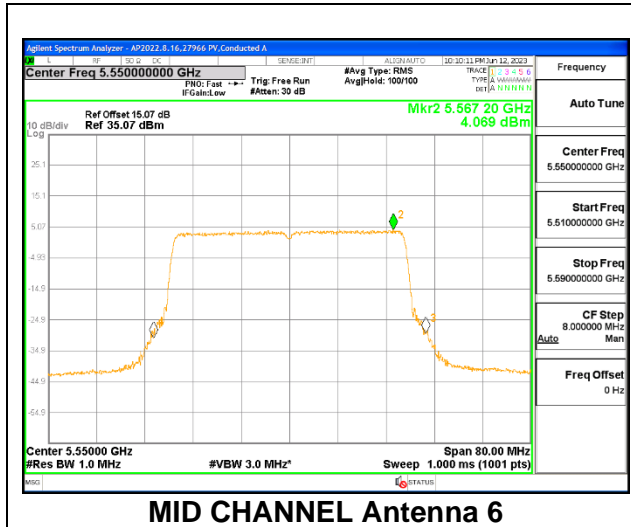
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	20.29	19.83	23.08	24.00	-0.92
Mid	5550	20.81	20.72	23.78	24.00	-0.22
High	5670	20.99	20.71	23.86	24.00	-0.14
142	5710	21.15	20.60	23.89	24.00	-0.11

PSD Results

Channel	Frequency (MHz)	Antenna 6 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	3.419	2.788	6.13	10.40	-4.27
Mid	5550	4.069	3.857	6.97	10.40	-3.43
High	5670	4.810	4.905	7.87	10.40	-2.53
142	5710	5.255	4.978	8.13	10.40	-2.27

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-15

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	44.96	37.971	3.59	9.61
Mid	5550	45.04	37.932	3.59	9.61
High	5670	45.20	37.912	3.59	9.61
142	5710	44.96	37.987	3.59	9.61

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	7.39	11.00	7.39
Mid	5550	24.00	24.00	30.00	24.00	7.39	11.00	7.39
High	5670	24.00	24.00	30.00	24.00	7.39	11.00	7.39
142	5710	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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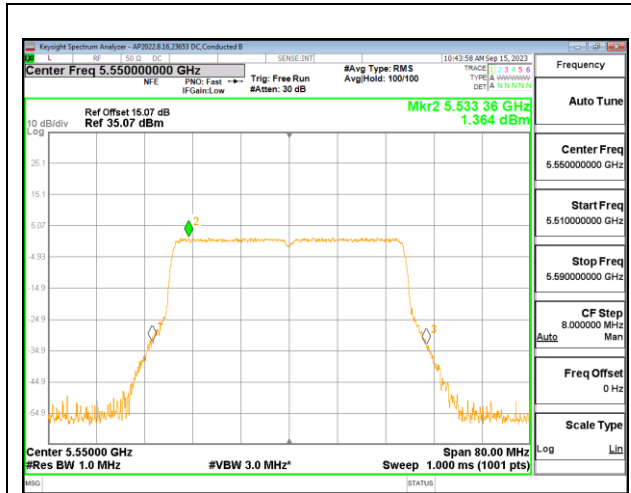
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	16.69	16.55	16.26	16.78	22.60	24.00	-1.40
Mid	5550	16.31	16.27	16.12	16.59	22.35	24.00	-1.65
High	5670	16.23	16.27	15.88	16.11	22.15	24.00	-1.85
142	5710	16.29	16.33	15.83	16.43	22.25	24.00	-1.75

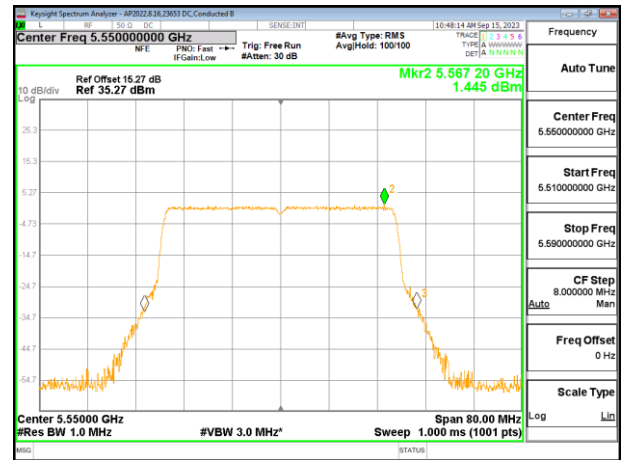
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	1.552	1.019	0.905	1.487	7.271	7.39	-0.12
Mid	5550	1.364	1.445	0.987	1.507	7.351	7.39	-0.04
High	5670	0.910	1.163	0.637	1.046	6.964	7.39	-0.43
142	5710	1.241	1.339	0.643	1.279	7.155	7.39	-0.24

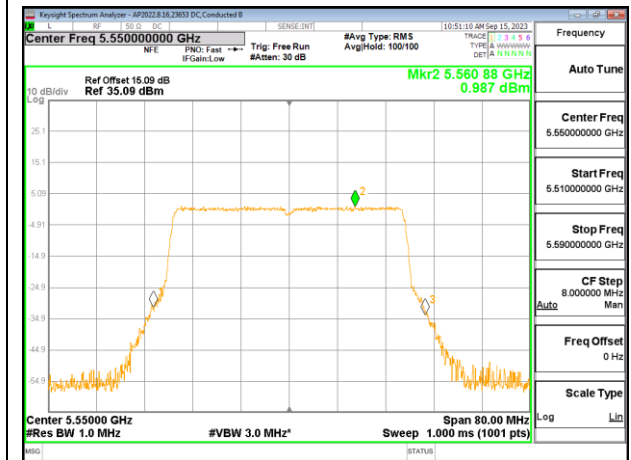
MID CHANNEL



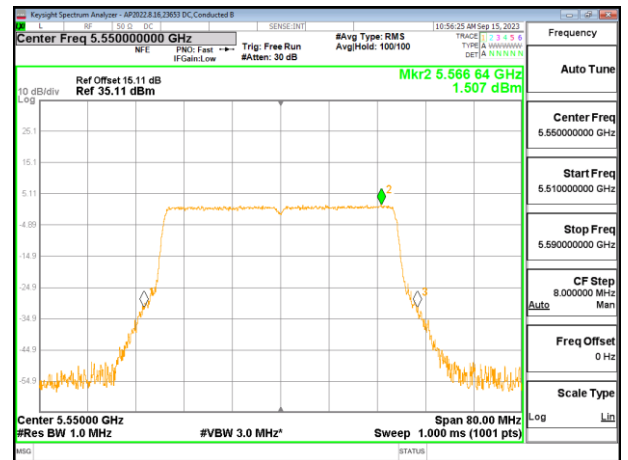
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.12. 802.11be EHT40 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	ZS 16080 and PV 27966, DC 23653
Test Date:	2023-06-07 to 2023-06-12, 2023-08-22

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5510	44.96	37.917	3.59
Mid	5550	45.60	37.989	3.59
High	5670	44.88	38.008	3.59
142	5710	45.68	38.010	3.59

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	11.00	11.00	11.00
Mid	5550	24.00	24.00	30.00	24.00	11.00	11.00	11.00
High	5670	24.00	24.00	30.00	24.00	11.00	11.00	11.00
142	5710	24.00	24.00	30.00	24.00	11.00	11.00	11.00

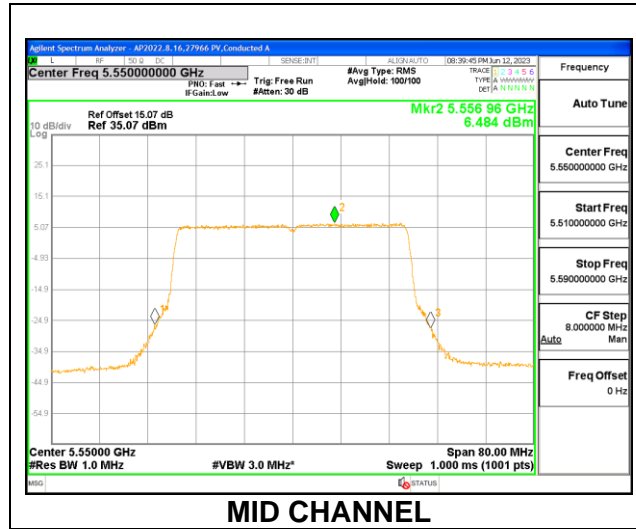
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	21.74	21.74	24.00	-2.26
Mid	5550	23.40	23.40	24.00	-0.60
High	5670	21.02	21.02	24.00	-2.98
142	5710	23.84	23.84	24.00	-0.16

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	4.409	4.41	11.00	-6.59
Mid	5550	6.484	6.48	11.00	-4.52
High	5670	5.878	5.88	11.00	-5.12
142	5710	8.080	8.08	11.00	-2.92



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	ZS 16080, DC 23653
Test Date:	2023-06-08, 2023-08-23, 2023-08-25

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	45.60	38.007	3.59	6.60
Mid	5550	44.80	37.944	3.59	6.60
High	5670	45.36	37.899	3.59	6.60
142	5710	45.68	37.952	3.59	6.60

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	10.40	11.00	10.40
Mid	5550	24.00	24.00	30.00	24.00	10.40	11.00	10.40
High	5670	24.00	24.00	30.00	24.00	10.40	11.00	10.40
142	5710	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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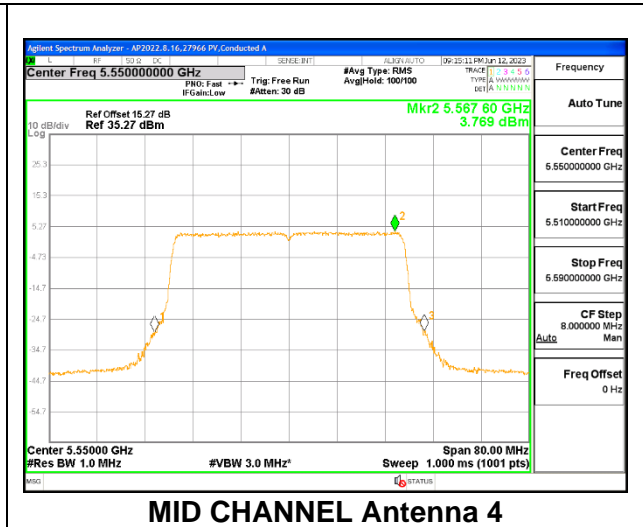
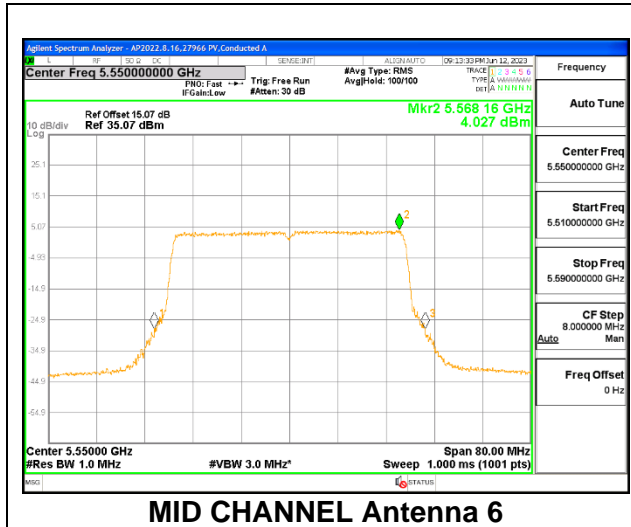
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	18.91	18.85	21.89	24.00	-2.11
Mid	5550	20.63	20.49	23.57	24.00	-0.43
High	5670	20.63	20.82	23.74	24.00	-0.26
142	5710	20.82	20.30	23.58	24.00	-0.42

PSD Results

Channel	Frequency (MHz)	Antenna 6 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	3.621	3.414	6.53	10.40	-3.87
Mid	5550	4.027	3.769	6.91	10.40	-3.49
High	5670	4.582	5.008	7.81	10.40	-2.59
142	5710	4.913	4.899	7.92	10.40	-2.48

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-14

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	44.96	37.960	3.59	9.61
Mid	5550	44.96	37.959	3.59	9.61
High	5670	44.56	37.937	3.59	9.61
142	5710	45.36	37.875	3.59	9.61

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	7.39	11.00	7.39
Mid	5550	24.00	24.00	30.00	24.00	7.39	11.00	7.39
High	5670	24.00	24.00	30.00	24.00	7.39	11.00	7.39
142	5710	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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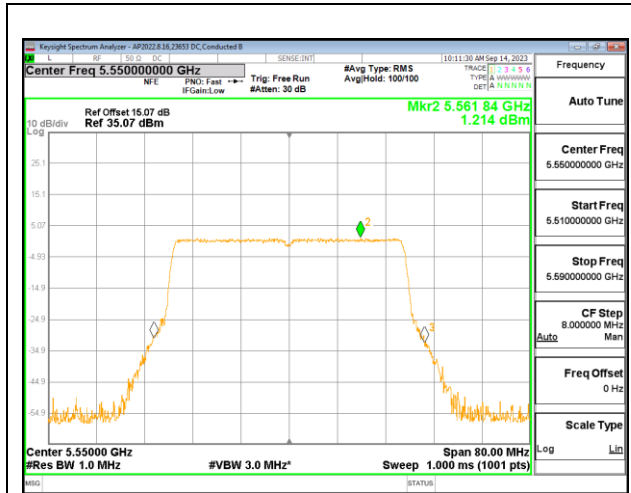
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	16.61	16.39	16.25	16.53	22.47	24.00	-1.53
Mid	5550	16.28	16.23	15.95	16.51	22.27	24.00	-1.73
High	5670	16.66	16.75	16.28	16.63	22.60	24.00	-1.40
142	5710	16.34	16.49	15.84	16.41	22.30	24.00	-1.70

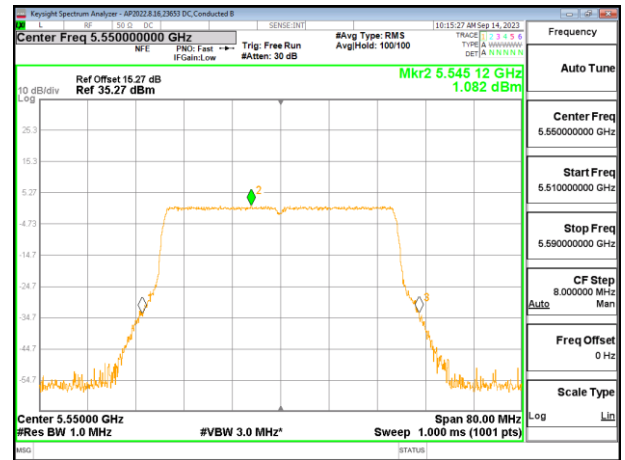
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	1.335	1.230	1.190	1.458	7.325	7.39	-0.06
Mid	5550	1.214	1.082	0.829	1.361	7.146	7.39	-0.24
High	5670	1.333	1.462	0.960	1.343	7.299	7.39	-0.09
142	5710	1.205	1.419	0.595	1.257	7.151	7.39	-0.24

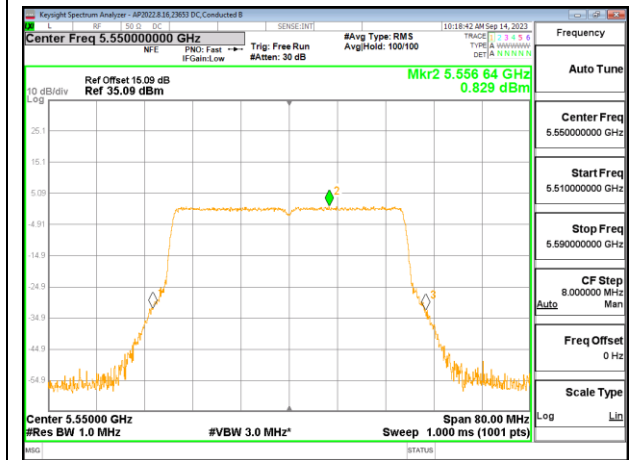
MID CHANNEL



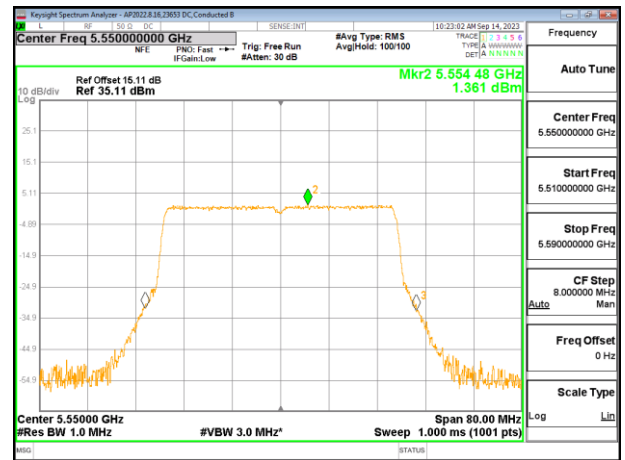
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.13. 802.11ax HE80 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	PV 27966, DC 23653
Test Date:	2023-06-08, 2023-08-25

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	92.96	77.780	3.59
High	5610	92.80	77.785	3.59
138	5690	103.20	78.217	3.59

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	11.00	11.00	11.00
High	5610	24.00	24.00	30.00	24.00	11.00	11.00	11.00
138	5690	24.00	24.00	30.00	24.00	11.00	11.00	11.00

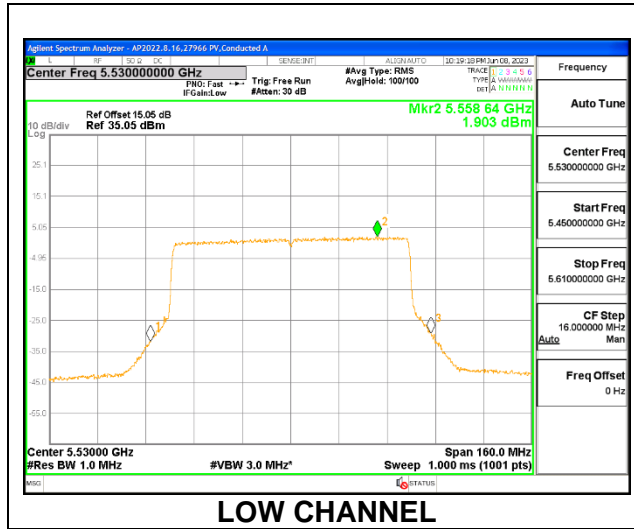
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	21.27	21.27	24.00	-2.73
High	5610	23.41	23.41	24.00	-0.59
138	5690	23.81	23.81	24.00	-0.19

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	1.90	1.90	11.00	-9.10
High	5610	4.61	4.61	11.00	-6.39
138	5690	5.42	5.42	11.00	-5.58



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08 to 2023-06-12

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5530	92.00	77.628	3.59	6.60
High	5610	91.20	77.625	3.59	6.60
138	5690	90.72	77.838	3.59	6.60

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	10.40	11.00	10.40
High	5610	24.00	24.00	30.00	24.00	10.40	11.00	10.40
138	5690	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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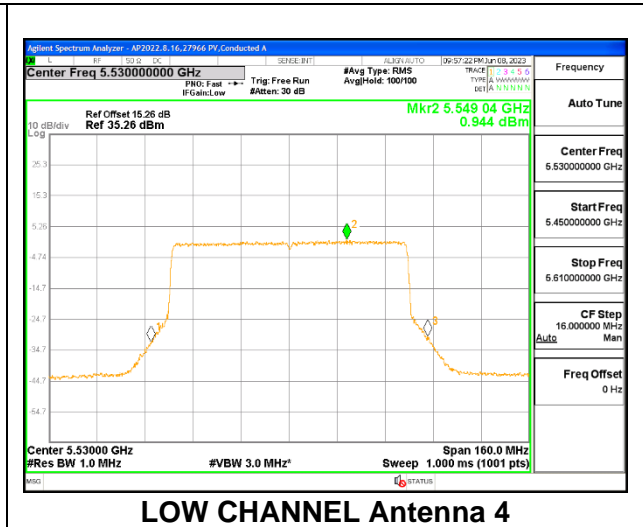
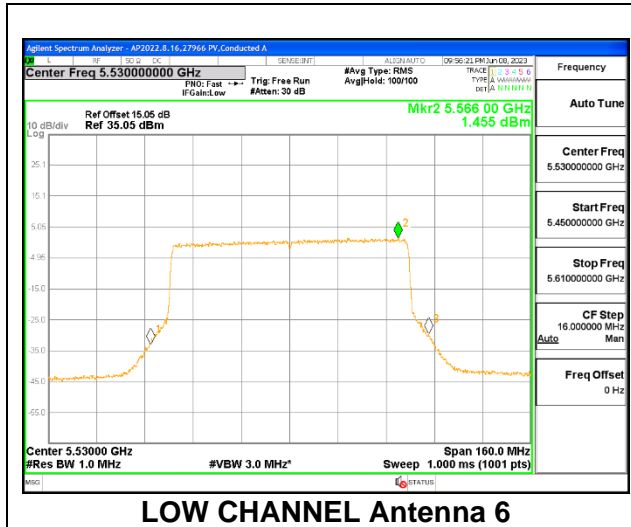
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	20.67	20.55	23.62	24.00	-0.38
High	5610	20.80	20.30	23.57	24.00	-0.43
138	5690	20.93	20.58	23.77	24.00	-0.23

PSD Results

Channel	Frequency (MHz)	Antenna 6 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	1.455	0.944	4.217	10.40	-6.18
High	5610	2.022	1.275	4.675	10.40	-5.73
138	5690	2.478	2.087	5.297	10.40	-5.10

LOW CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-15

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	91.20	77.580	3.59	9.61
High	5610	91.36	77.675	3.59	9.61
138	5690	91.04	77.724	3.59	9.61

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	7.39	11.00	7.39
High	5610	24.00	24.00	30.00	24.00	7.39	11.00	7.39
138	5690	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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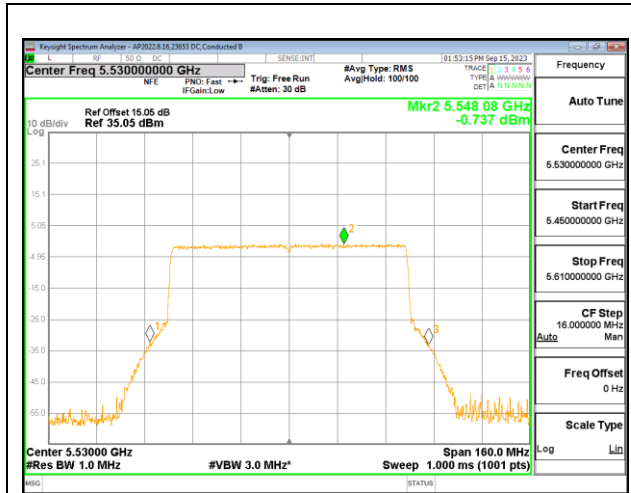
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	17.63	17.55	17.57	17.76	23.65	24.00	-0.35
High	5610	17.51	17.85	17.73	17.91	23.77	24.00	-0.23
138	5690	17.87	18.16	17.49	17.81	23.86	24.00	-0.14

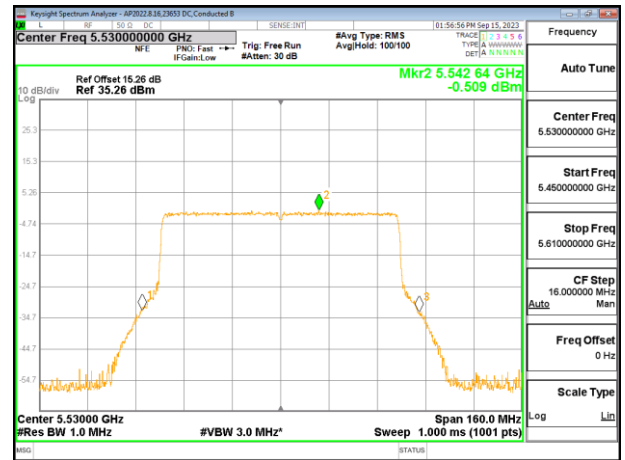
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-0.737	-0.509	-0.906	-0.494	5.362	7.39	-2.03
High	5610	-0.579	-0.530	-0.394	-0.378	5.551	7.39	-1.84
138	5690	-0.111	-0.183	-1.059	-0.578	5.554	7.39	-1.84

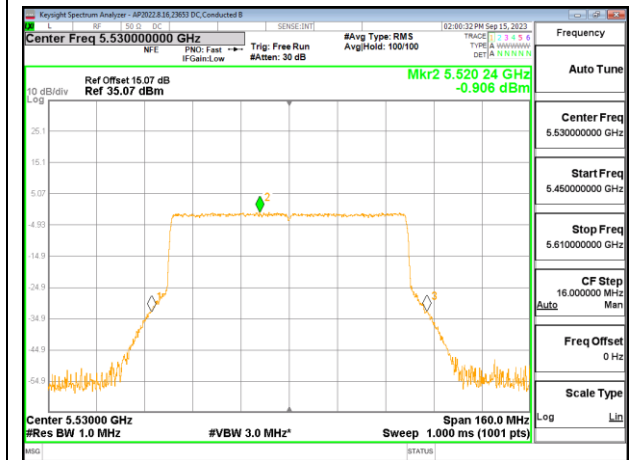
LOW CHANNEL



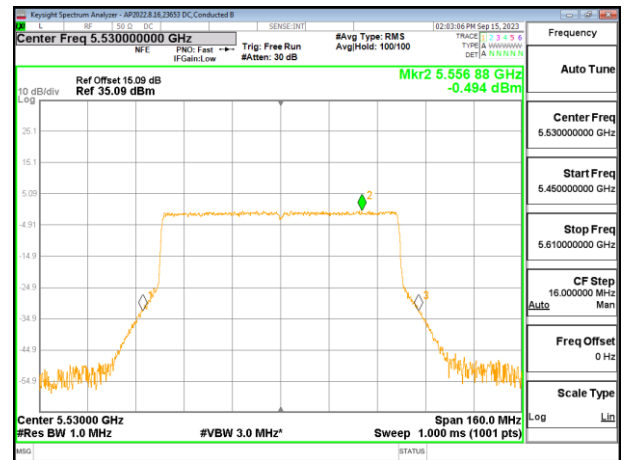
LOW CHANNEL Antenna 6



LOW CHANNEL Antenna 4



LOW CHANNEL Antenna 9



LOW CHANNEL Antenna 1

9.5.14. 802.11be EHT80 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	ZS 16080 and DC 23653
Test Date:	2023-06-07 to 2023-08-22

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	92.80	77.664	3.59
High	5610	92.80	77.694	3.59
138	5690	94.24	77.784	3.59

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	11.00	11.00	11.00
High	5610	24.00	24.00	30.00	24.00	11.00	11.00	11.00
138	5690	24.00	24.00	30.00	24.00	11.00	11.00	11.00

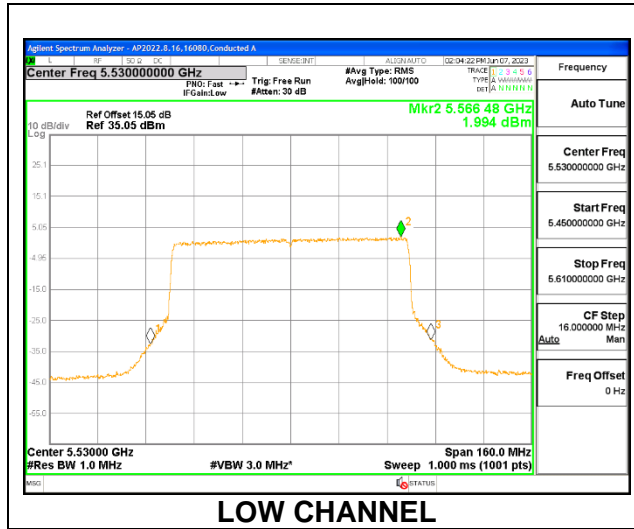
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	21.03	21.03	24.00	-2.97
High	5610	23.26	23.26	24.00	-0.74
138	5690	23.49	23.49	24.00	-0.51

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	1.994	1.994	11.00	-9.01
High	5610	5.241	5.241	11.00	-5.76
138	5690	5.199	5.199	11.00	-5.80



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	PV 27966, DC 23653
Test Date:	2023-06-12, 2023-08-23 ,2023-08-25

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	90.88	77.582	3.59	6.60
High	5610	91.36	77.717	3.59	6.60
138	5690	90.56	77.512	3.59	6.60

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	10.40	11.00	10.40
High	5610	24.00	24.00	30.00	24.00	10.40	11.00	10.40
138	5690	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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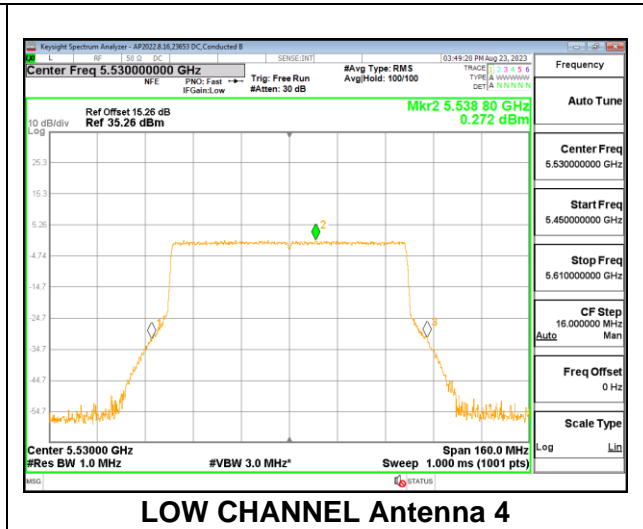
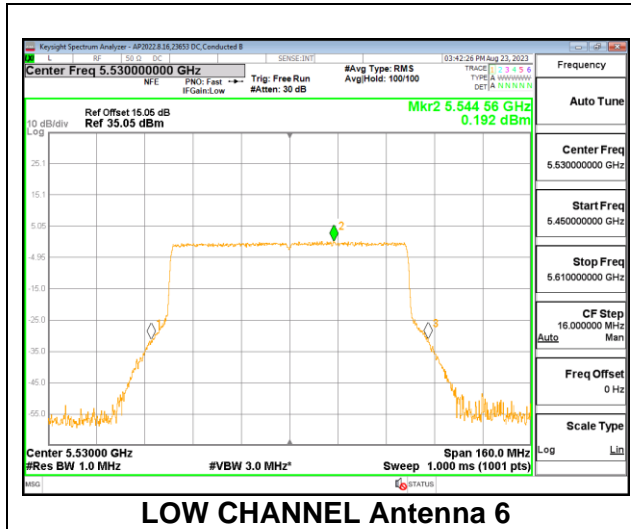
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	18.66	19.04	21.86	24.00	-2.14
High	5610	20.60	20.91	23.77	24.00	-0.23
138	5690	20.71	20.37	23.55	24.00	-0.45

PSD Results

Channel	Frequency (MHz)	Antenna 6 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	0.192	0.272	3.242	10.40	-7.16
High	5610	1.819	2.310	5.082	10.40	-5.32
138	5690	2.357	2.055	5.219	10.40	-5.18

LOW CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-14

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	90.72	77.688	3.59	9.61
High	5610	91.20	77.558	3.59	9.61
138	5690	90.40	77.567	3.59	9.61

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	7.39	11.00	7.39
High	5610	24.00	24.00	30.00	24.00	7.39	11.00	7.39
138	5690	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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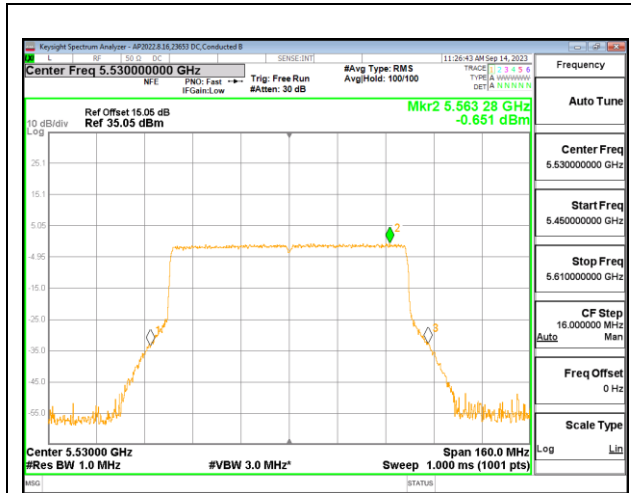
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	17.51	17.49	17.48	17.66	23.56	24.00	-0.44
High	5610	17.51	17.70	17.59	17.74	23.66	24.00	-0.34
138	5690	17.85	17.97	17.46	17.71	23.77	24.00	-0.23

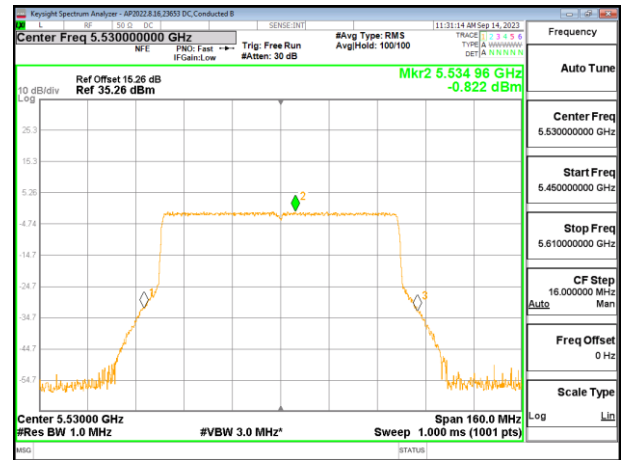
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-0.651	-0.822	-0.884	-0.221	5.384	7.39	-2.01
High	5610	-0.629	-0.180	-0.540	-0.175	5.644	7.39	-1.75
138	5690	-0.120	-0.202	-0.913	-0.501	5.598	7.39	-1.79

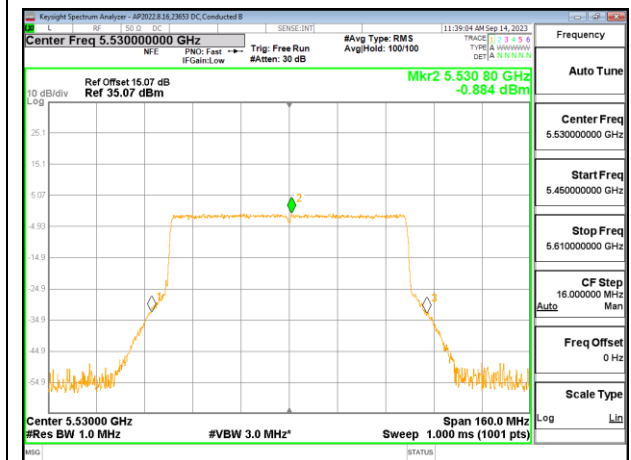
LOW CHANNEL



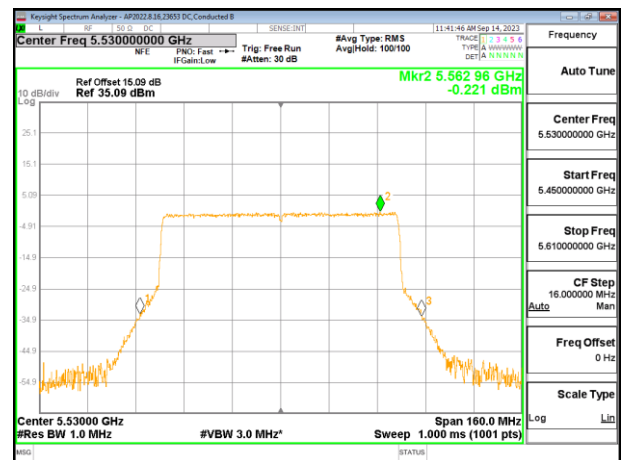
LOW CHANNEL Antenna 6



LOW CHANNEL Antenna 4



LOW CHANNEL Antenna 9



LOW CHANNEL Antenna 1

9.5.15. 802.11ax HE160 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Mid	5570	173.76	155.65	3.59

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	5570	24.00	24.00	30.00	24.00	11.00	11.00	11.00

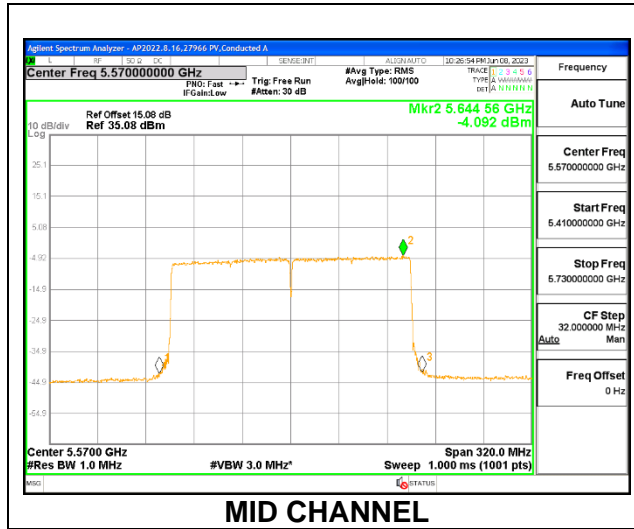
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	16.91	16.91	24.00	-7.09

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5570	-4.092	-4.092	11.00	-15.09



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

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	5570	173.12	157.94	3.59	6.60

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	5570	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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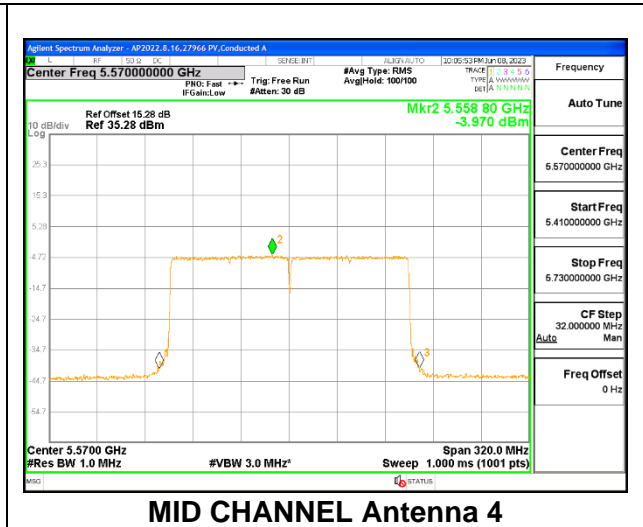
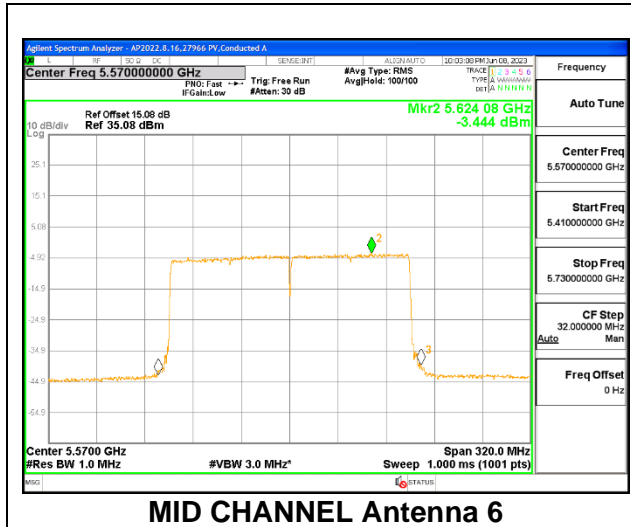
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	17.10	17.19	20.16	24.00	-3.84

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5570	-3.444	-3.970	-0.689	10.40	-11.09

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-15

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	5570	174.08	157.19	3.59	9.61

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	5570	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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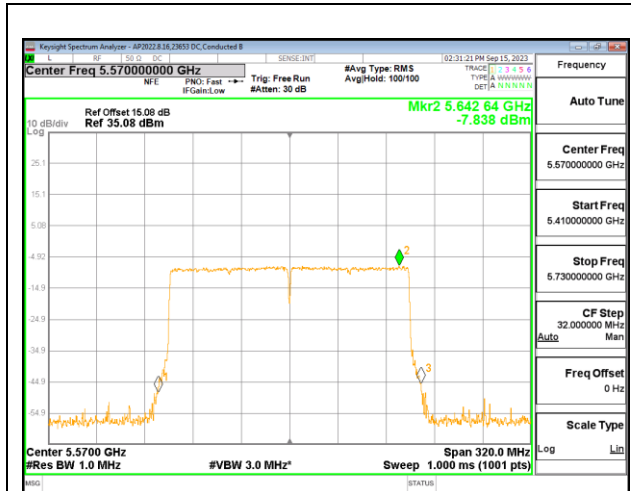
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	13.31	13.54	13.49	14.07	19.63	24.00	-4.37

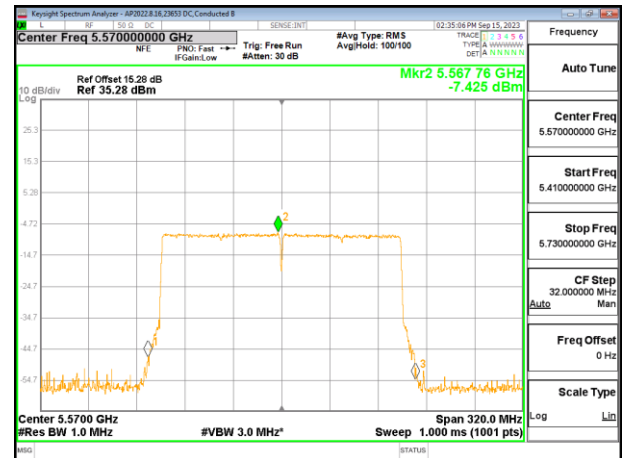
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Antenna 9 Meas PSD (dBm/ 1MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5570	-7.838	-7.425	-7.602	-6.873	-1.399	7.39	-8.79

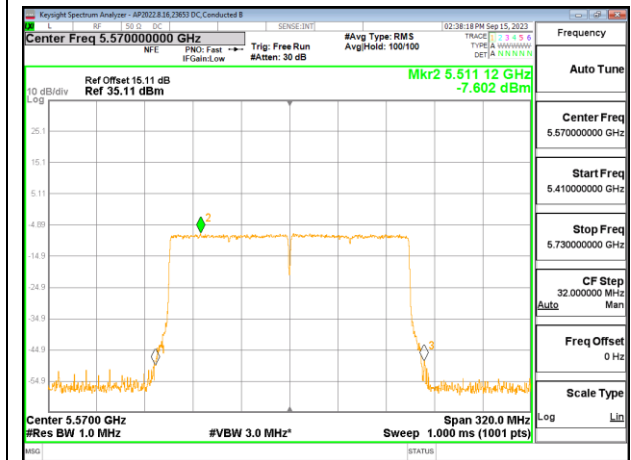
MID CHANNEL



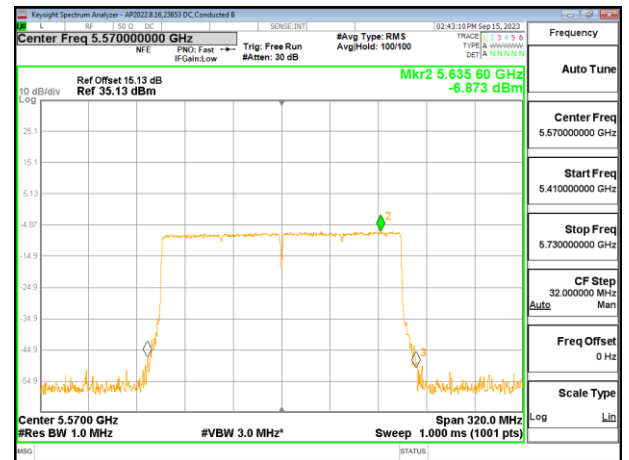
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.16. 802.11be EHT160 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2023-06-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Mid	5570	176.32	157.07	3.59

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	5570	24.00	24.00	30.00	24.00	11.00	11.00	11.00

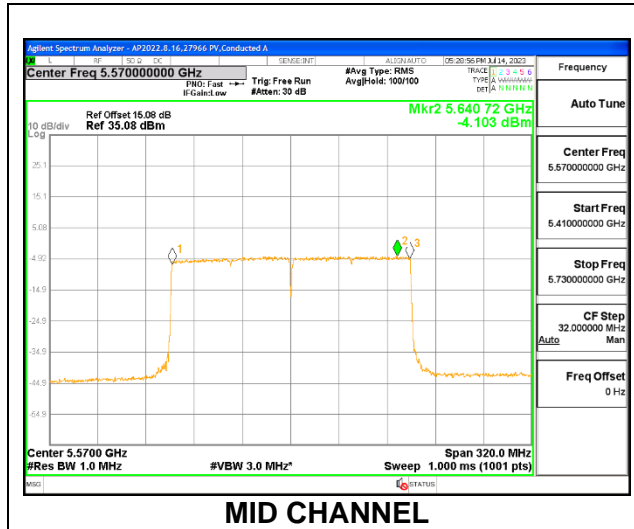
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	17.47	17.47	24.00	-6.53

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5570	-4.103	-4.103	11.00	-15.10



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-08-24

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	5570	175.04	156.95	3.59	6.60

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	5570	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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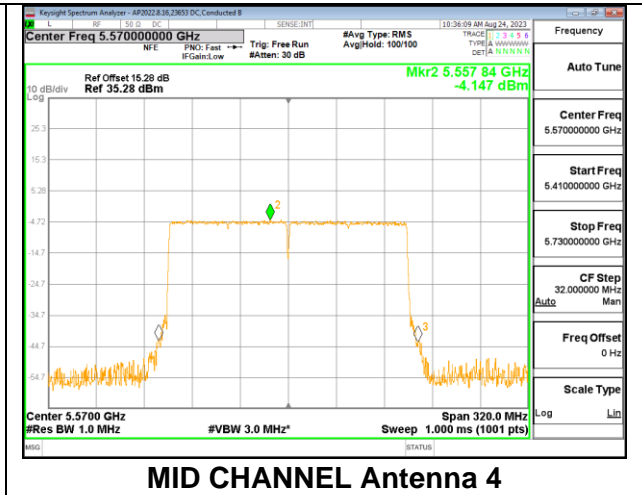
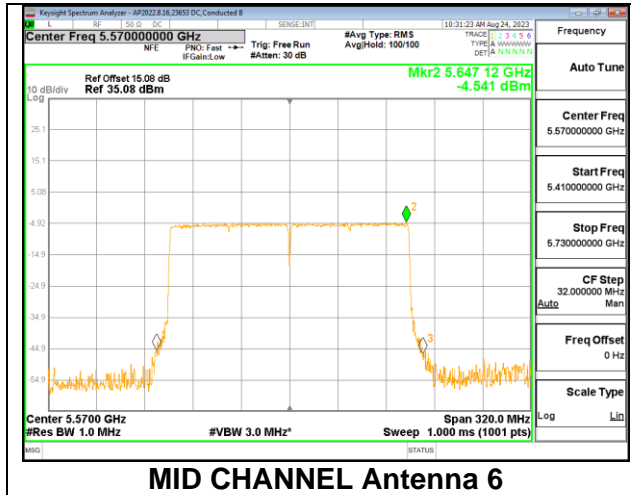
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	16.65	17.07	19.88	24.00	-4.12

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5570	-4.541	-4.147	-1.329	10.40	-11.73

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-14

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	5570	173.44	156.96	3.59	9.61

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	5570	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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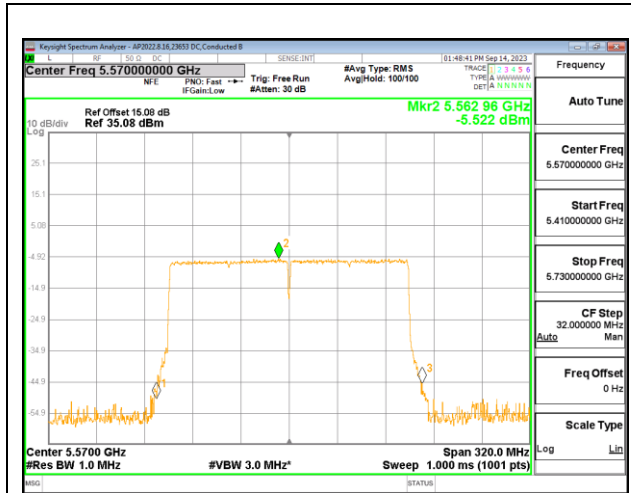
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	14.41	14.81	14.78	15.07	20.79	24.00	-3.21

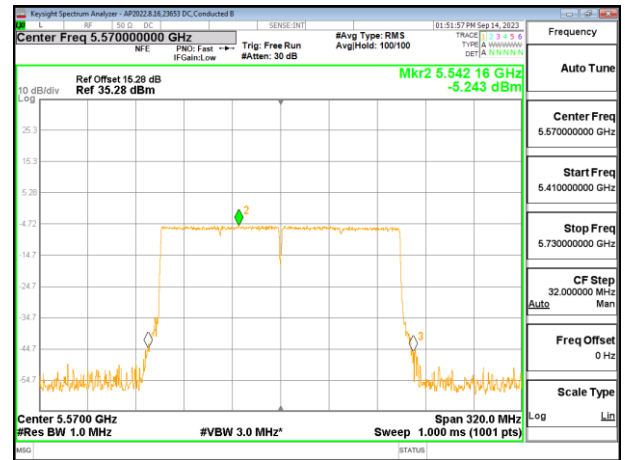
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Antenna 9 Meas PSD (dBm/ 1MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5570	-5.522	-5.243	-5.418	-4.529	0.860	7.39	-6.53

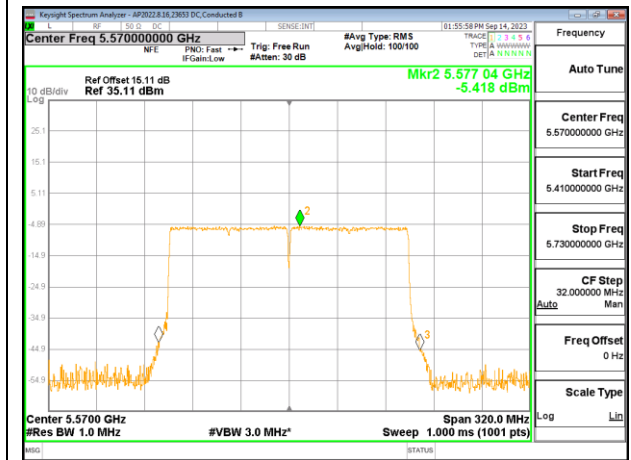
MID CHANNEL



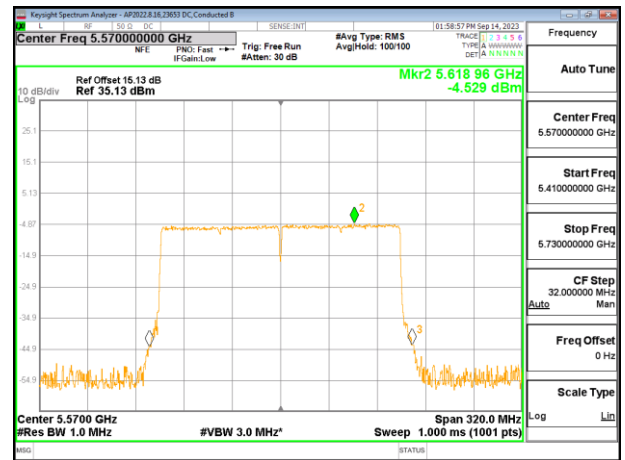
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.17. 802.11be EHT240 MODE IN THE 5.6GHz BAND

1TX Antenna 6 OFDMA MODE: 3x 996-Tones (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-08-22

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
122	5610	307.68	237.60	3.59

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)
122	5610	24.00	24.00	30.00	24.00	11.00	11.00	11.00

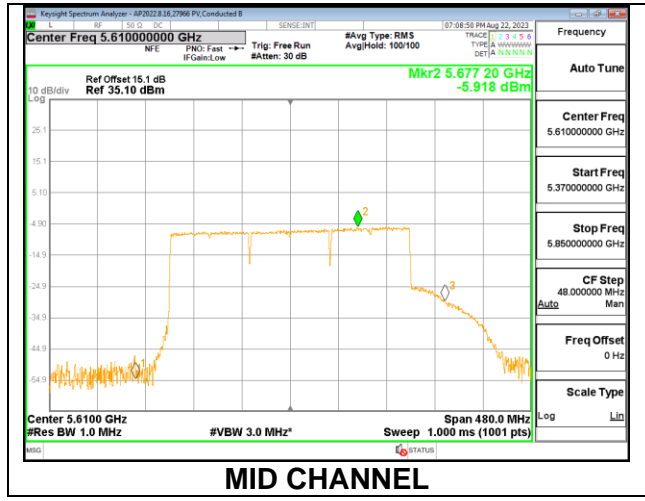
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
122	5610	16.90	16.90	24.00	-7.10

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
122	5610	-5.918	-5.918	11.00	-16.92



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE3 996-Tones (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-08-25

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)
122	5610	311.04	237.01	3.59	6.60

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)
122	5610	24.00	24.00	30.00	24.00	10.40	11.00	10.40

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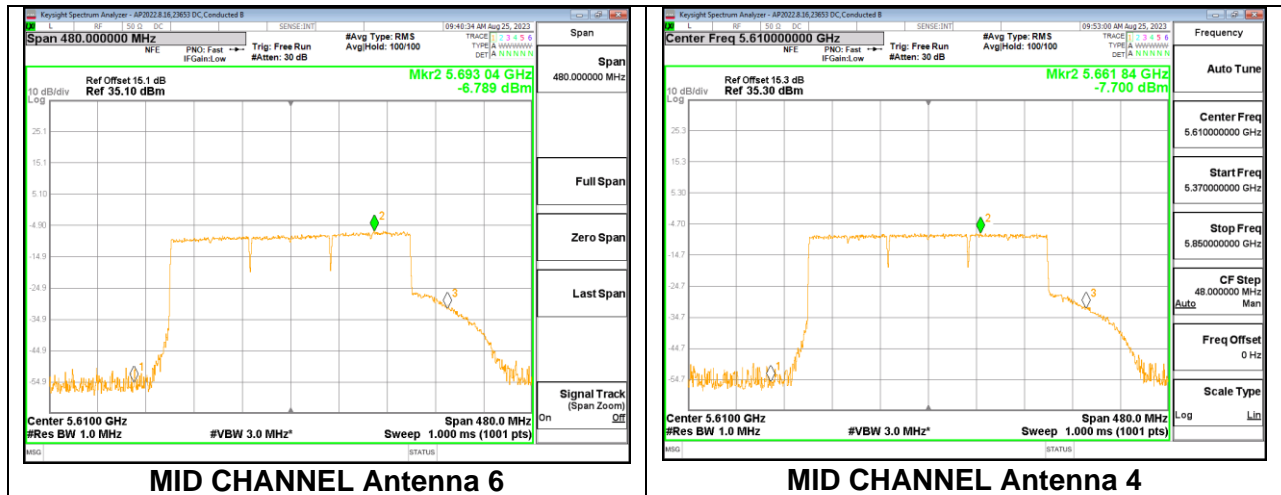
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
122	5610	15.53	15.54	18.55	24.00	-5.45

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margi n (dB)
122	5610	-6.789	-7.700	-4.210	10.40	-14.61

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 2x 996-Tones, Index S68 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-09-14

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)
122	5610	289.16	237.20	3.59	9.61

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)
122	5610	24.00	24.00	30.00	24.00	7.39	11.00	7.39

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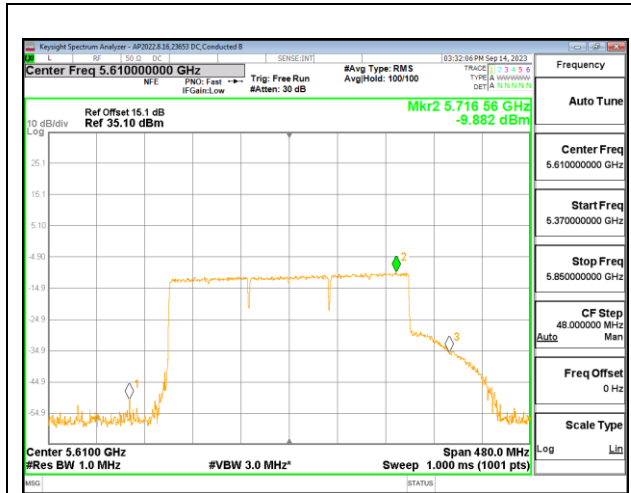
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
122	5610	12.44	12.46	12.31	12.28	18.39	24.00	-5.61

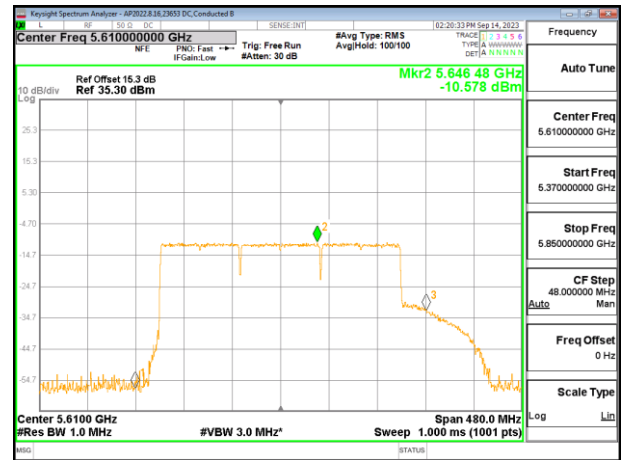
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Antenna 9 Meas PSD (dBm/ 1MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
122	5610	-9.882	-10.578	-10.801	-10.369	-4.373	7.39	-11.76

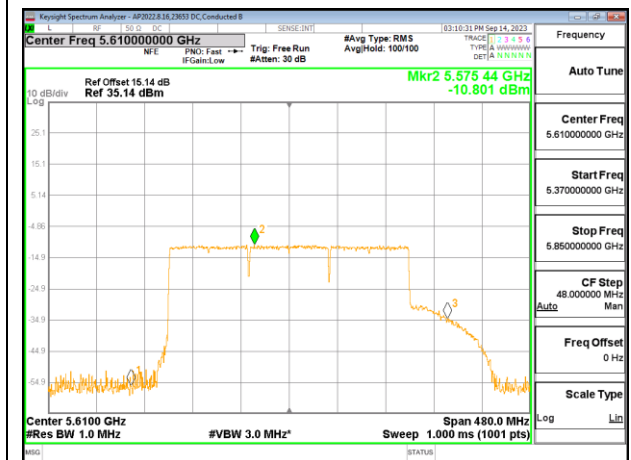
MID CHANNEL



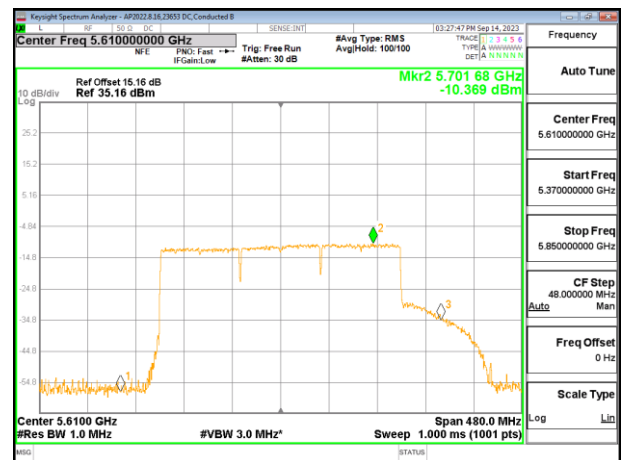
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

RSS 247 Issue 3 Sections

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, mid channel, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

NOTE: The limits in FCC 47 CFR, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

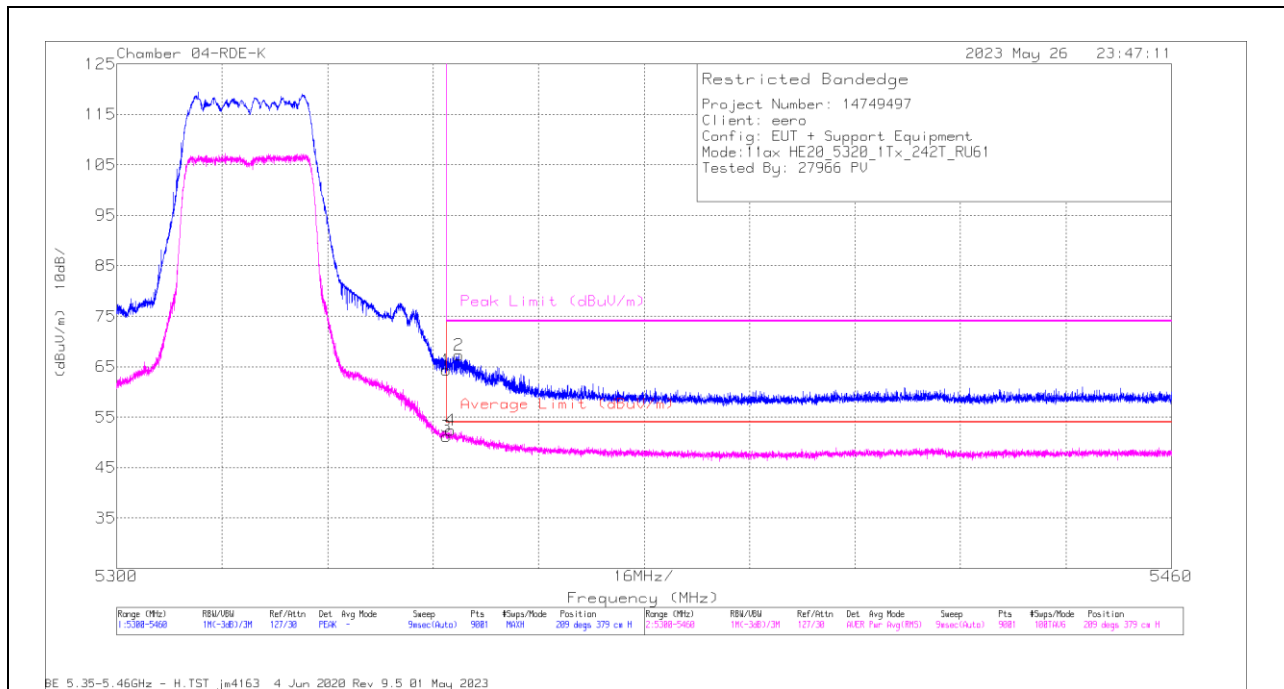
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	59.82	Pk	34.5	-30	64.32	-	-	74	-9.68	209	379	H
2	* 5351.93	62.6	Pk	34.5	-29.8	67.3	-	-	74	-6.7	209	379	H
3	* 5350	46.68	RMS	34.5	-30	51.18	54	-2.82	-	-	209	379	H
4	* 5350.667	47.77	RMS	34.5	-29.9	52.37	54	-1.63	-	-	209	379	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection