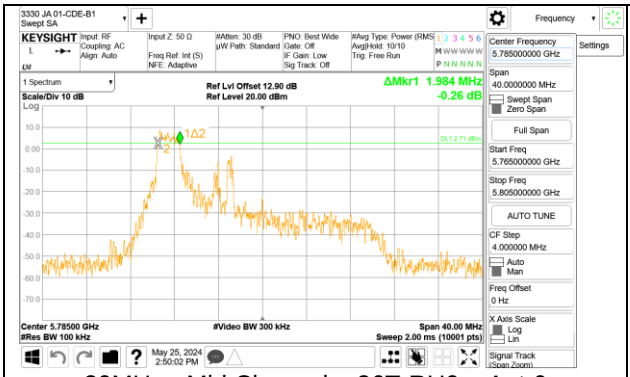
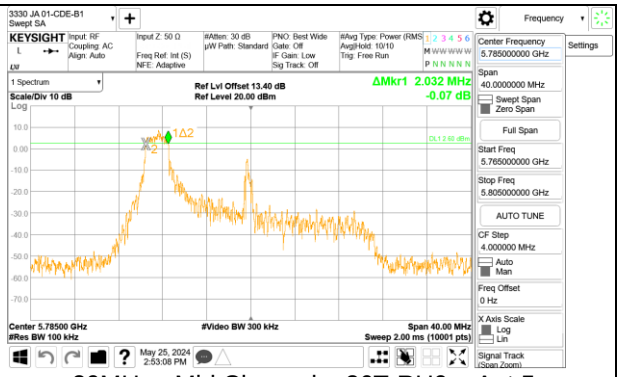
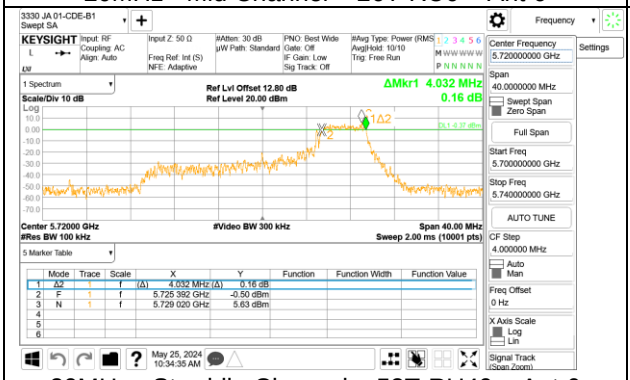


20MHz - Mid Channel – 26T-RU0 – Ant 6



20MHz - Mid Channel – 26T-RU0 – Ant 5



20MHz - Straddle Channel – 52T-RU40 – Ant 6

20MHz - Straddle Channel – 52T-RU40 – Ant 5

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9.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz
The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F.
For all straddle channels, full bandwidth power and PSD/MHz are reported in the 5.6GHz section because the combined 5.6GHz and 5.8GHz power and PSD/MHz already passed the worst-case 5.6GHz power and 5.8 GHz PSD/500kHz limits.

11n HT20 and 11be ETH20 straddle channel 26dB bandwidth= (26dB BW/2)+5
11n HT20 and 11be ETH20 straddle channel 99% bandwidth= (99% BW/2)+5

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DIRECTIONAL ANTENNA GAIN

For 1 TX:
There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	ANT6 Gain (dBi)	ANT5 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-1.10	-4.70	-2.54	0.30
5.3	-1.80	-3.70	-2.65	0.31
5.6	-0.70	-3.40	-1.84	1.06
5.8	-0.40	-3.30	-1.61	1.28

DIRECTIONAL GAIN CALCULATION:

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain=10*LOG((10^(Ant6/10)+10^(Ant5/10))/2)
Correlated directional Gain=10*LOG(((10^(Ant6/20)+10^(Ant5/20))^2)/2)

Sample Calculation at 5.2GHz Band:

ANT6=-1.1, ANT5=-4.7

Uncorrelated Antenna gain=10log[(10^(-1.1/10)+10^(-4.70/10))/2]=-2.54dBi

Correlated Antenna gain=10log[(10^(-1.1/20)+10^(-4.70/20))^2)/2]=0.3dBi

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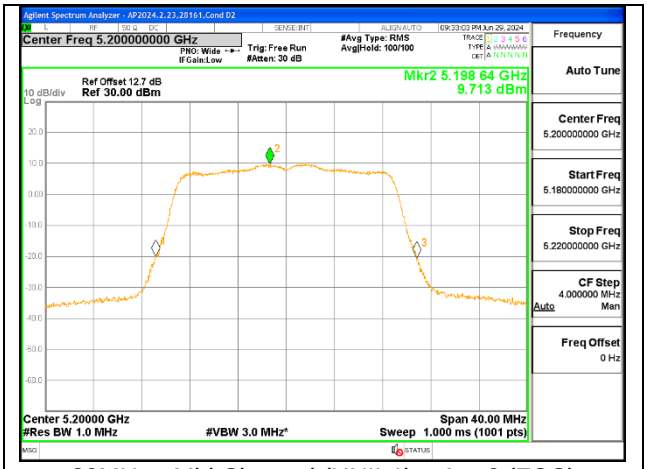
9.5.1. 802.11n/ac SISO MODE IN THE UNII-1 BAND

UNII-1 (SISO)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	0.35
Ant 1 (dBi)	-1.10			
Ant 2 (dBi)	-4.70			

UNII-2a (SISO)	
Straddle Channel	
Ant 1 (dBi)	-1.80
Ant 2 (dBi)	-3.70

UNII-1 (SISO)	Freq (MHz)	Ch. #	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
			Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
HT20 (FCC)	5180	36	--		24	24	18.95	18.91	18.95	18.91	11	11	9.027	9.021	9.027	9.021
	5200	40					19.88	19.83	19.88	19.83			9.713	9.682	9.713	9.682
	5240	48					19.92	19.95	19.92	**19.95**			9.832	9.971	9.832	9.971
HT40 (FCC)	5190	38	--		24	24	16.37	16.42	16.37	16.42	11	11	3.201	3.409	3.301	3.509
	5230	46					20.38	20.44	20.38	**20.44**			7.115	7.369	7.215	7.469
VHT80 (FCC)	5210	42	--		24	24	16.37	16.42	16.37	**16.42**	11	11	0.327	0.402	0.537	0.612
VHT160 (FCC)	5250 (Straddle)	50	--		24	24	14.42	14.36	**14.42**	14.36	11	11	-4.654	-4.913	-4.304	-4.563



20MHz - Mid Channel (UNII-1) – Ant 6 (FCC)

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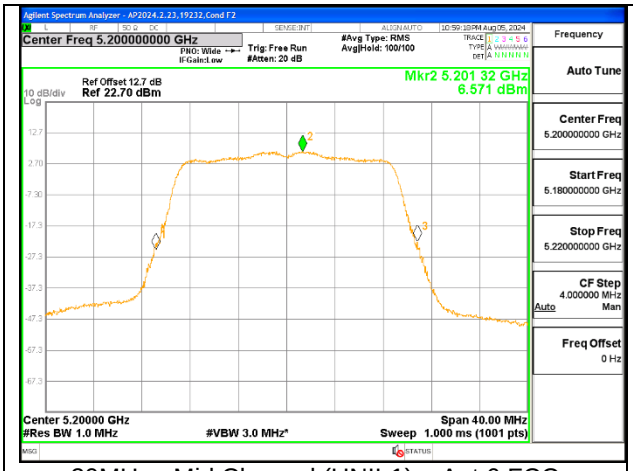
9.5.2. 802.11n/ac MIMO CDD MODE IN THE UNII-1 BAND

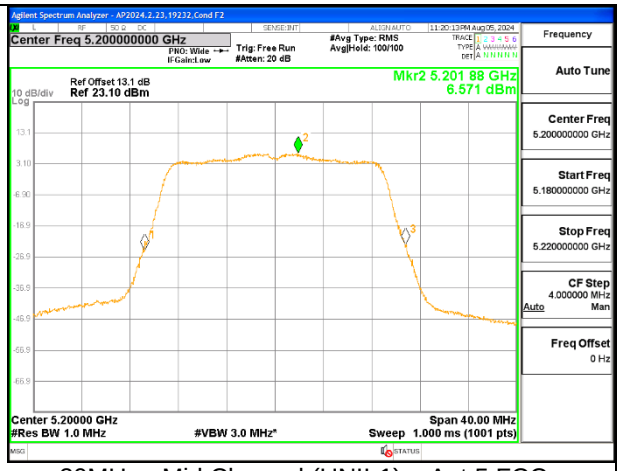
UNII-1 (MIMO CDD)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	0.35
Un-Correlated Gain (dBi)	-2.54			
Correlated Gain (dBi)	0.30			

UNII-2a (MIMO CDD)	
Straddle Channel	
Un-Correlated Gain (dBi)	-2.65
Correlated Gain (dBi)	0.31

UNII-1 (MIMO CDD)	Freq (MHz)	Ch. #	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
					Ant 1	Ant 2			Ant 1	Ant 2	
HT20 (FCC)	5180	36	--	24	16.90	16.82	19.87	11	6.555	6.439	9.508
	5200	40			16.98	16.96	**19.98**		6.571	6.571	9.581
	5240	48			16.86	16.93	19.91		6.525	6.593	9.569
HT40 (FCC)	5190	38	--	24	15.91	15.95	18.94	11	2.833	2.874	5.964
	5230	46			19.94	19.89	**22.93**		6.543	6.521	9.642
VHT80 (FCC)	5210	42	--	24	15.39	15.44	**18.43**	11	0.238	0.345	3.512
VHT160 (FCC)	5250 (Straddle)	50	--	24	13.95	13.86	**16.92**	11	-5.078	-5.358	-1.855



20MHz - Mid Channel (UNII-1) – Ant 6 FCC



20MHz - Mid Channel (UNII-1) – Ant 5 FCC

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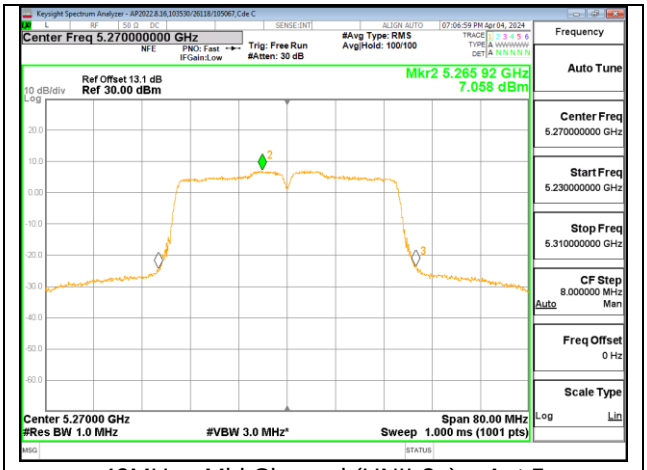
9.5.3. 802.11n/ac SISO MODE IN THE UNII-2A BAND

UNII-2a (SISO)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	0.35
Ant 1 (dBi)	-1.80			
Ant 2 (dBi)	-3.70			

UNII-1 (SISO)	
Straddle Channel	
Ant 1 (dBi)	-1.10
Ant 2 (dBi)	-4.70

UNII-2a (SISO)	Freq (MHz)	Ch. #	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
			Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
HT20 (FCC)	5260	52	20.70	21.28	24.00	24.00	19.94	19.85	**19.94**	19.85	11.00	11.00	9.733	9.597	9.733	9.597
	5300	60	20.92	21.04	24.00	24.00	19.91	19.87	19.91	19.87			9.704	9.600	9.704	9.600
	5320	64	21.73	23.93	24.00	24.00	18.91	18.87	18.91	18.87			9.126	8.763	9.126	8.763
HT40 (FCC)	5270	54	41.21	41.41	24.00	24.00	20.44	20.39	**20.44**	20.39	11.00	11.00	7.299	7.058	7.399	7.158
	5310	62	45.00	43.41	24.00	24.00	16.87	16.82	16.87	16.82			3.648	3.515	3.748	3.615
VHT80 (FCC)	5290	58	83.20	85.63	24.00	24.00	16.93	16.86	**16.93**	16.86	11.00	11.00	0.584	0.424	0.794	0.634
VHT160 (FCC)	5250 (Straddle)	50	163.90	163.90	24.00	24.00	14.42	14.36	**14.42**	14.36	11.00	11.00	-4.654	-4.913	-4.304	-4.563



40MHz - Mid Channel (UNII-2a) – Ant 5

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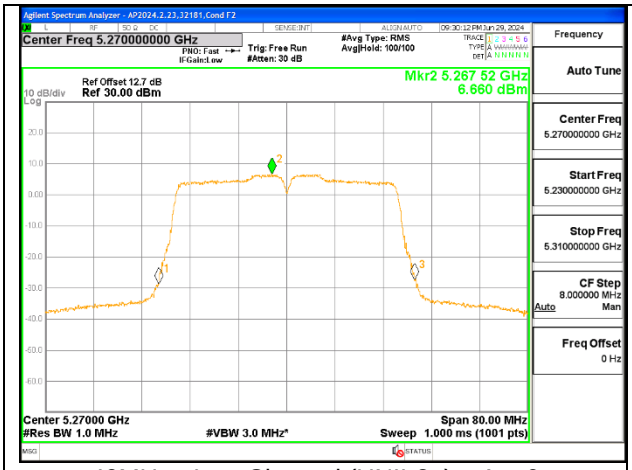
9.5.4. 802.11n/ac MIMO CDD MODE IN THE UNII-2A BAND

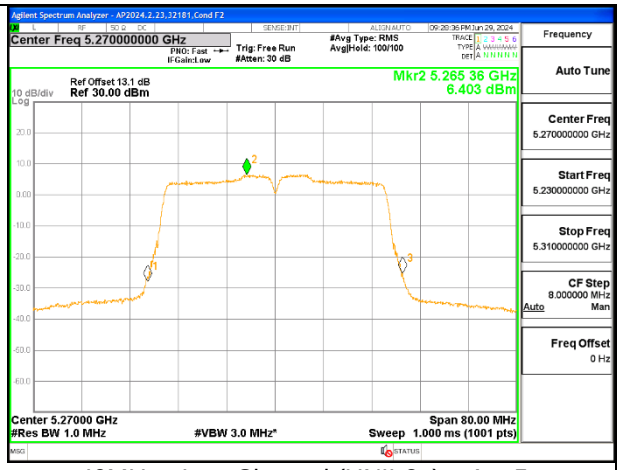
UNII-2a (MIMO CDD)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	0.35
Un-Correlated Gain (dBi)	-2.65			
Correlated Gain (dBi)	0.31			

UNII-1 (MIMO CDD)	
Straddle Channel	
Un-Correlated Gain (dBi)	-2.54
Correlated Gain (dBi)	0.30

UNII-2a (MIMO CDD)	Freq (MHz)	Ch. #	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
					Ant 1	Ant 2			Ant 1	Ant 2	
HT20 (FCC)	5260	52	20.88	24.00	16.85	16.79	19.83	11.00	6.839	6.712	9.786
	5300	60	21.02	24.00	16.94	16.87	**19.92**		7.013	6.877	9.956
	5320	64	21.29	24.00	16.91	16.81	19.87		6.900	6.809	9.865
HT40 (FCC)	5270	54	40.73	24.00	19.88	19.82	**22.86**	11.00	6.660	6.403	9.644
	5310	62	42.85	24.00	15.39	15.46	18.44		1.979	2.144	5.173
VHT80 (FCC)	5290	58	83.60	24.00	16.37	16.44	**19.42**	11.00	0.081	0.230	3.376
VHT160 (FCC)	5250 (Straddle)	50	163.10	24.00	13.95	13.86	**16.92**	11.00	-5.078	-5.358	-1.855



40MHz - Low Channel (UNII-2a) – Ant 6



40MHz - Low Channel (UNII-2a) – Ant 5

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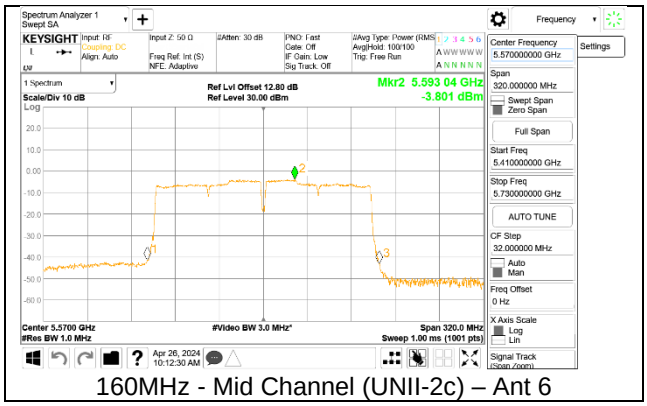
9.5.5. 802.11n/ac SISO MODE IN THE UNII-2C BAND

UNII-2c (SISO)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	0.35
Ant 1 (dBi)	-0.70			
Ant 2 (dBi)	-3.40			

UNII-3 (SISO)	
Straddle Channel	
Ant 1 (dBi)	-0.40
Ant 2 (dBi)	-3.30

UNII-2c (SISO)	Freq (MHz)	Ch. #	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
			Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
HT20 (FCC)	5500	100	21.89	22.17	24.00	24.00	19.79	19.75	19.79	19.75	11.00	11.00	9.473	9.359	9.473	9.359
	5580	116	21.07	20.80	24.00	24.00	19.82	19.88	19.82	19.88			10.067	10.279	10.067	10.279
	5700	140	22.74	23.26	24.00	24.00	16.95	16.94	16.95	16.94			7.173	7.169	7.173	7.169
	5720 (Straddle)	144	13.95	13.94	22.45	22.44	19.81	19.92	19.81	**19.92**			9.610	9.904	9.610	9.904
HT40 (FCC)	5510	102	45.92	44.73	24.00	24.00	15.90	15.91	15.90	15.91	11.00	11.00	2.931	2.935	3.031	3.035
	5550	110	41.15	41.15	24.00	24.00	20.41	20.44	20.41	**20.44**			7.569	7.592	7.669	7.692
	5670	134	45.99	45.86	24.00	24.00	18.39	18.42	18.39	18.42			5.648	5.733	5.748	5.833
	5710 (Straddle)	142	41.10	40.99	24.00	24.00	20.43	20.31	20.43	20.31			7.708	7.486	7.808	7.586
VHT80 (FCC)	5530	106	85.04	82.31	24.00	24.00	16.82	16.91	16.82	16.91	11.00	11.00	0.633	0.830	0.843	1.040
	5610	122	86.43	84.85	24.00	24.00	20.31	20.44	20.31	20.44			4.434	4.721	4.644	4.931
	5690 (Straddle)	138	81.25	81.06	24.00	24.00	20.37	20.46	20.37	**20.46**			4.660	4.766	4.870	4.976
VHT160 (FCC)	5570	106	164.60	164.60	24.00	24.00	15.38	15.45	15.38	**15.45**	11.00	11.00	-3.801	-3.520	-3.451	-3.170



160MHz - Mid Channel (UNII-2c) – Ant 6

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9.5.6. 802.11n/ac MIMO CDD MODE IN THE UNII-2C BAND

UNII-2c (MIMO CDD)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	0.35
Un-Correlated Gain (dBi)	-1.84			
Correlated Gain (dBi)	1.06			

UNII-3 (MIMO CDD)	
Straddle Channel	
Un-Correlated Gain (dBi)	-1.61
Correlated Gain (dBi)	1.28

UNII-2c (MIMO CDD)	Freq (MHz)	Ch. #	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
					Ant 1	Ant 2			Ant 1	Ant 2	
HT20 (FCC)	5500	100	22.02	24.00	16.84	16.87	19.87	11.00	7.022	7.177	10.110
	5580	116	20.95	24.00	16.91	16.86	**19.90**		7.235	7.195	10.225
	5700	140	22.00	24.00	16.41	16.44	19.44		6.764	6.882	9.834
	5720 (Straddle)	144	15.46	22.89	16.86	16.88	19.88		6.962	6.966	9.974
HT40 (FCC)	5510	102	41.25	24.00	14.81	14.87	17.85	11.00	1.911	2.173	5.154
	5550	110	40.46	24.00	19.89	19.83	**22.87**		7.268	6.995	10.244
	5670	134	42.54	24.00	17.88	17.92	20.91		5.156	5.202	8.289
	5710 (Straddle)	142	40.62	24.00	19.81	19.88	22.86		6.705	6.815	9.871
VHT80 (FCC)	5530	106	82.31	24.00	16.44	16.36	19.41	11.00	0.285	0.106	3.417
	5610	122	83.53	24.00	19.94	19.90	**22.93**		3.312	3.251	6.502
	5690 (Straddle)	138	80.96	24.00	19.85	19.96	22.92		3.116	3.332	6.446
VHT160 (FCC)	5570	106	163.60	24.00	14.84	14.91	**17.89**	11.00	-4.259	-3.908	-0.720

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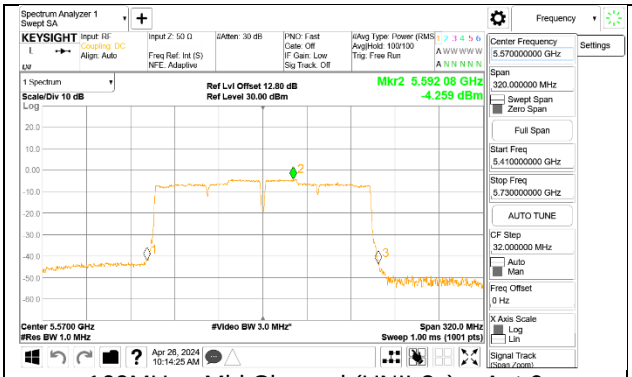
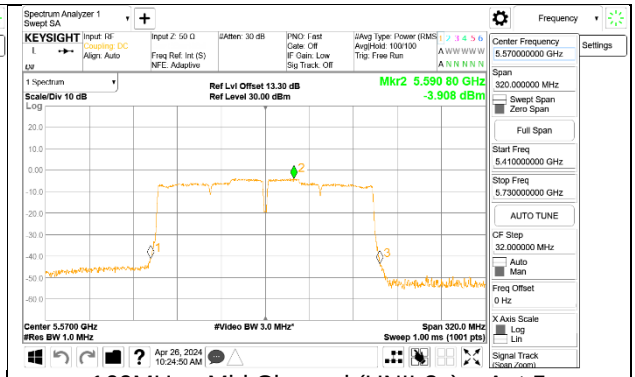


160MHz - Mid Channel (UNII-2c) – Ant 6



160MHz - Mid Channel (UNII-2c) – Ant 5

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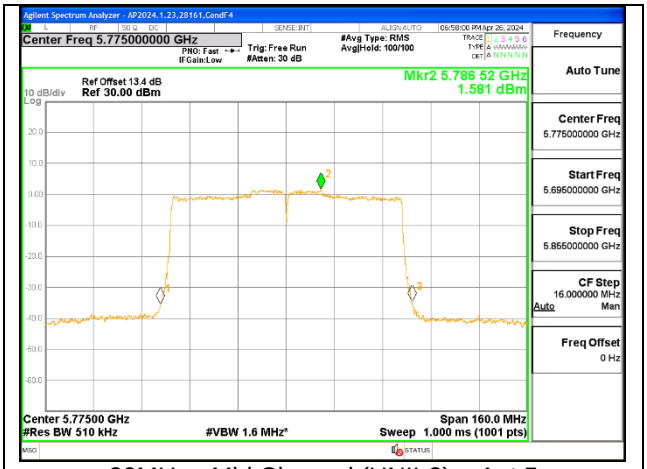
9.5.7. 802.11n/ac SISO MODE IN THE UNII-3 BAND

UNII-3 (SISO)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	N/A
Ant 1 (dBi)	-0.40			
Ant 2 (dBi)	-3.30			

UNII-3 (SISO)	Freq (MHz)	Ch. #	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/500kHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/500kHz)	
			Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
HT20	5745	149	--		30	30	20.46	20.39	**20.46**	20.39	30	30	8.340	8.242	8.340	8.242
	5785	157					20.31	20.30	20.31	20.30			8.056	8.046	8.056	8.046
	5825	165					20.36	20.38	20.36	20.38			8.129	8.225	8.129	8.225
HT40	5755	151	--		30	30	20.44	20.41	**20.44**	20.41	30	30	5.377	5.298	5.477	5.398
	5795	159					20.36	20.39	20.36	20.39			5.036	5.066	5.136	5.166
VHT80	5775	155	--		30	30	20.46	20.39	**20.46**	20.39	30	30	1.749	1.581	1.959	1.791



80MHz - Mid Channel (UNII-3) – Ant 5

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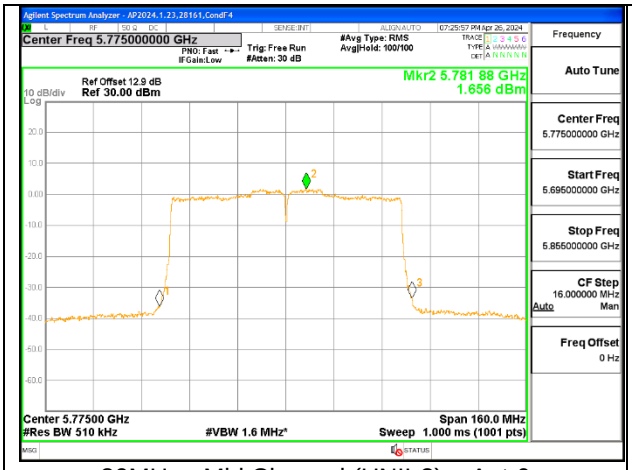
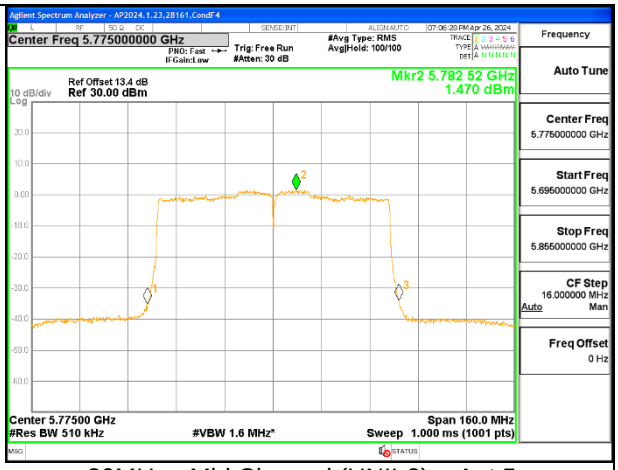
9.5.8. 802.11n/ac MIMO CDD MODE IN THE UNII-3 BAND

UNII-3 (MIMO CDD)	20MHz	40MHz	80MHz	160MHz
DCCF (MCS0) (dB)	0.00	0.10	0.21	N/A
Un-Correlated Gain (dBi)	-1.61			
Correlated Gain (dBi)	1.28			

UNII-3 (MIMO CDD)	Freq (MHz)	Ch. #	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/500kHz)	PSD (dBm/500kHz)		Total MIMO Corrected PSD (dBm/500kHz)
					Ant 1	Ant 2			Ant 1	Ant 2	
HT20	5745	149	--	30	20.43	20.45	**23.45**	30	8.559	8.564	11.572
	5785	157			20.33	20.37	23.36		8.067	8.336	11.214
	5825	165			20.35	20.29	23.33		8.070	8.049	11.070
HT40	5755	151	--	30	20.46	20.41	**23.45**	30	5.375	5.276	8.436
	5795	159			20.37	20.35	23.37		4.982	4.959	8.081
VHT80	5775	155	--	30	20.44	20.39	**23.43**	30	1.656	1.470	4.784



80MHz - Mid Channel (UNII-3) – Ant 6



80MHz - Mid Channel (UNII-3) – Ant 5

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9.5.9. 802.11be SISO MODE IN THE UNII-1 BAND

UNII-1 (SISO)	20MHz		40MHz			80MHz			160MHz		
	SU	52T	SU	242T	52T	SU	484T	52 + 26	SU	996T	242T
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.10	0.00	0.00
Ant 1 (dBi)	-1.10										
Ant 2 (dBi)	-4.70										

UNII-2a (SISO)	
Straddle Channel	
Ant 1 (dBi)	-1.80
Ant 2 (dBi)	-3.70

UNII-1 (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
					Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
EHT20 (FCC)	5180	36	SU	--	--		24.00	24.00	17.92	17.81	17.92	17.81	11.00	11.00	7.937	7.605	7.937	7.605
			52T	37					14.09	14.11	14.09	14.11			8.664	8.698	8.664	8.698
				38					14.20	14.15	14.20	14.15			9.078	8.882	9.078	8.882
				40					14.18	14.24	14.18	14.24			8.987	9.149	8.987	9.149
	5200	40	SU	--					19.85	19.92	19.85	**19.92**			9.737	9.864	9.737	9.864
			52T	37					14.21	14.13	14.21	14.13			9.034	8.934	9.034	8.934
				38					14.17	14.10	14.17	14.10			8.974	8.751	8.974	8.751
				40					14.24	14.15	14.24	14.15			9.277	8.954	9.277	8.954
	5240	48	SU	--					19.89	19.82	19.89	19.82			9.512	9.389	9.512	9.389
			52T	37					14.10	14.19	14.10	14.19			8.832	9.142	8.832	9.142
				38					14.15	14.21	14.15	14.21			9.007	9.185	9.007	9.185
				40					14.23	14.16	14.23	14.16			9.122	9.008	9.122	9.008
EHT40 (FCC)	5190	38	SU	--	--		24.00	24.00	15.86	15.91	15.86	15.91	11.00	11.00	2.402	2.550	2.502	2.650
			242T	61					17.85	17.81	17.85	17.81			6.056	6.029	6.056	6.029
				62					17.91	17.87	17.91	17.87			6.294	6.107	6.294	6.107
			52T	37					11.13	11.10	11.13	11.10			5.583	5.270	5.683	5.370
				41					11.21	11.15	11.21	11.15			5.984	5.616	6.084	5.716
				44					11.18	11.24	11.18	11.24			5.684	6.075	5.784	6.175
	5230	46	SU	--					20.45	20.32	**20.45**	20.32			6.960	6.700	7.060	6.800
			242T	61					19.87	19.94	19.87	19.94			8.331	8.423	8.331	8.423
				62					19.97	19.90	19.97	19.90			8.491	8.340	8.491	8.340
			52T	37					11.15	11.10	11.15	11.10			5.662	5.354	5.762	5.454
				41					11.17	11.23	11.17	11.23			5.673	6.001	5.773	6.101
				44					11.07	11.20	11.07	11.20			5.272	5.689	5.372	5.789
EHT80 (FCC)	5210	42	SU	--	--		24.00	24.00	16.42	16.38	**16.42**	16.38	11.00	11.00	0.729	0.401	0.729	0.401
			484T	65					14.91	14.88	14.91	14.88			1.672	1.574	1.672	1.574
				66					14.83	14.81	14.83	14.81			1.362	1.353	1.362	1.353
			52 + 26	71					9.57	9.65	9.57	9.65			2.305	2.579	2.305	2.579
				74					9.59	9.61	9.59	9.61			2.463	2.530	2.463	2.530
				80					9.73	9.70	9.73	9.70			2.850	2.807	2.850	2.807
EHT160 (FCC)	5250 (Straddle)	50	SU	--	--		24.00	24.00	14.39	14.43	14.39	14.43	11.00	11.00	-4.643	-4.610	-4.543	-4.510
			996T	67					15.43	15.41	15.43	15.41			-0.898	-0.915	-0.898	-0.915
				S67					15.38	15.35	15.38	15.35			-1.014	-1.134	-1.014	-1.134
			242T	61					17.91	17.79	**17.91**	17.79			6.880	6.418	6.880	6.418
				62					17.82	17.76	17.82	17.76			6.426	6.639	6.426	6.639
				S64					17.85	17.88	17.85	17.88			6.659	6.803	6.659	6.803

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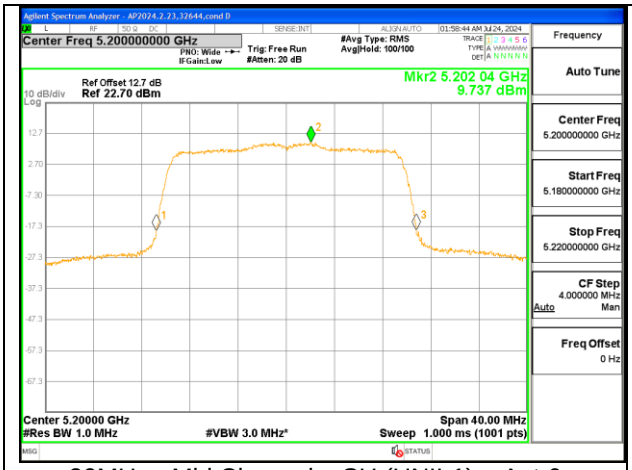

20MHz - Mid Channel – SU (UNII-1) – Ant 6 (FCC)

20MHz - Mid Channel – 52T-RU37 (UNII-1) – Ant 6 (FCC)

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9.5.10. 802.11be MIMO CDD MODE IN THE UNII-1 BAND

UNII-1 (MIMO CDD)	20MHz		40MHz			80MHz			160MHz		
	SU	Partial RU 52T	SU	242T	52T	SU	484T	52 + 26	SU	996T	242T
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.10	0.00	0.00
Un-Correlated Gain (dBi)	-2.54										
Correlated Gain (dBi)	0.30										

UNII-2a (MIMO CDD)	
Straddle Channel	
Un-Corr. Gain (dBi)	-2.65
Corr. Gain (dBi)	0.31

UNII-2a (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
							Ant 1	Ant 2			Ant 1	Ant 2	
EHT20 (FCC)	5180	36	SU	--	--	24	16.81	16.89	19.86	11	6.294	6.412	9.364
			52T	37			11.90	11.85	14.89		6.498	6.488	9.503
				38			11.99	11.93	14.97		6.571	6.498	9.545
				40			11.96	11.81	14.90		6.519	6.381	9.461
	5200	40	SU	--			16.82	16.87	19.86		6.454	6.492	9.483
			52T	37			11.93	11.90	14.93		6.497	6.469	9.493
				38			11.96	11.89	14.94		6.558	6.467	9.523
				40			11.80	11.85	14.84		6.318	6.428	9.384
	5240	48	SU	--			16.91	16.84	**19.89**		6.545	6.430	9.498
			52T	37			11.82	11.90	14.87		6.374	6.567	9.482
				38			11.96	11.94	14.96		6.588	6.584	9.596
				40			11.99	11.86	14.94		6.619	6.493	9.567
EHT40 (FCC)	5190	38	SU	--	--	24	15.40	15.37	18.40	11	2.210	2.067	5.249
			242T	61			16.81	16.85	19.84		5.448	5.610	8.540
				62			16.77	16.89	19.84		5.336	5.626	8.494
			52T	37			11.18	11.13	14.17		6.191	6.104	9.258
				41			11.21	11.10	14.17		6.250	6.050	9.261
				44			11.15	11.24	14.21		6.097	6.287	9.303
	5230	46	SU	--			19.84	19.87	**22.87**		6.836	6.878	9.967
			242T	61			16.85	16.89	19.88		5.349	5.426	8.398
				62			16.76	16.79	19.79		5.238	5.370	8.315
			52T	37			11.18	11.13	14.17		6.128	6.112	9.230
				41			11.15	11.23	14.20		6.126	6.170	9.258
				44			11.21	11.10	14.17		6.152	6.024	9.199
EHT80 (FCC)	5210	42	SU	--	--	24	15.34	15.39	**18.38**	11	-0.828	-0.735	2.229
			484T	65			14.27	14.39	17.34		0.838	1.167	4.016
				66			14.37	14.29	17.34		1.150	0.990	4.081
			52 + 26	71			9.57	9.62	12.61		2.191	2.498	5.358
				74			9.67	9.60	12.65		2.687	2.453	5.582
				80			9.70	9.74	12.73		2.694	2.850	5.783
EHT160 (FCC)	5250 (Straddle)	50	SU	--	--	24	13.89	13.81	16.86	11	-5.288	-5.481	-2.273
			996T	67			14.39	14.31	17.36		-1.811	-2.147	1.035
				S67			14.29	14.35	17.33		-2.230	-2.084	0.854
			242T	61			16.85	16.89	**19.88**		5.498	5.511	8.515
				62			16.79	16.81	19.81		5.404	5.451	8.438
				S64			16.82	16.77	19.81		5.439	5.290	8.375

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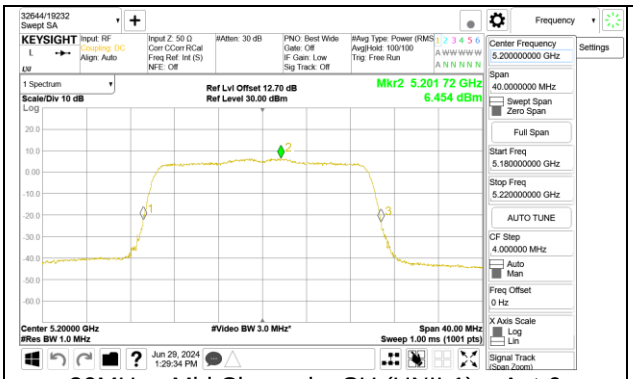
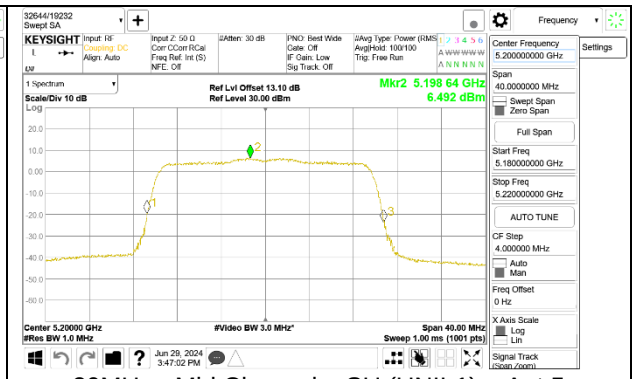


20MHz - Mid Channel – SU (UNII-1) – Ant 6 (FCC)



20MHz - Mid Channel – SU (UNII-1) – Ant 5 (FCC)

20MHz - Mid Channel – 52T-RU37 (UNII-1) – Ant 6 (FCC)

20MHz - Mid Channel – 52T-RU37 (UNII-1) – Ant 5 (FCC)

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9.5.11. 802.11be SISO MODE IN THE UNII-2A BAND

UNII-2a (SISO)	20MHz		40MHz		80MHz		160MHz		
	SU	52T	SU	52T	SU	242T	SU	996T	242T
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.00	0.00
Ant 1 (dBi)	-1.80								
Ant 2 (dBi)	-3.70								

UNII-1 (SISO)	
Straddle Channel	
Ant 1 (dBi)	-1.10
Ant 2 (dBi)	-4.70

UNII-2a (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
					Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
EHT20 (FCC)	5260	52	SU	--	20.83	20.97	24.00	24.00	19.81	19.87	19.81	19.87	11.00	11.00	9.414	9.544	9.414	9.544
			52T	37	20.02	19.76	24.00	23.96	14.11	14.05	14.11	14.05			9.711	9.558	9.711	9.558
				38	19.39	19.43	23.88	23.88	14.16	14.09	14.16	14.09			9.773	9.614	9.773	9.614
				40	20.58	20.42	24.00	24.00	14.14	14.19	14.14	14.19			9.757	9.782	9.757	9.782
	5300	60	SU	--	21.00	21.25	24.00	24.00	19.78	19.89	19.78	**19.89**			9.292	9.431	9.292	9.431
			52T	37	19.74	19.75	23.95	23.96	14.13	14.08	14.13	14.08			9.650	9.531	9.650	9.531
				38	19.09	19.39	23.81	23.88	14.15	14.19	14.15	14.19			9.658	9.765	9.658	9.765
				40	20.79	20.62	24.00	24.00	14.11	14.21	14.11	14.21			9.579	9.818	9.579	9.818
	5320	64	SU	--	21.93	23.28	24.00	24.00	17.81	17.89	17.81	17.89			7.327	7.471	7.327	7.471
			52T	37	20.05	19.67	24.00	23.94	14.06	14.09	14.06	14.09			9.424	9.430	9.424	9.430
				38	19.24	19.42	23.84	23.88	14.16	14.19	14.16	14.19			9.771	9.854	9.771	9.854
				40	20.56	20.21	24.00	24.00	14.11	14.14	14.11	14.14			9.667	9.757	9.667	9.757
EHT40 (FCC)	5270	54	SU	--	41.24	41.07	24.00	24.00	20.31	20.39	20.31	**20.39**	11.00	11.00	6.887	6.967	6.987	7.067
			52T	37	19.35	20.54	23.87	24.00	11.19	11.04	11.19	11.04			6.759	6.412	6.859	6.512
				41	23.91	24.63	24.00	24.00	11.11	11.15	11.11	11.15			6.644	6.721	6.744	6.821
				44	21.88	22.01	24.00	24.00	11.07	11.09	11.07	11.09			6.576	6.623	6.676	6.723
	5310	62	SU	--	43.71	43.63	24.00	24.00	15.81	15.87	15.81	15.87			2.586	2.692	2.686	2.792
			52T	37	20.31	20.35	24.00	24.00	11.11	11.16	11.11	11.16			6.482	6.631	6.582	6.731
				41	24.19	25.63	24.00	24.00	11.19	11.08	11.19	11.08			6.786	6.444	6.886	6.544
				44	21.62	20.58	24.00	24.00	11.13	11.05	11.13	11.05			6.616	6.430	6.716	6.530
EHT80 (FCC)	5290	58	SU	--	85.69	84.83	24.00	24.00	16.87	16.83	16.87	16.83	11.00	11.00	1.144	0.939	1.144	0.939
			242T	61	30.44	29.02	24.00	24.00	17.69	17.65	17.69	17.65			6.515	6.513	6.515	6.513
				62	31.26	35.79	24.00	24.00	17.88	17.81	**17.88**	17.81			6.615	6.551	6.615	6.551
				64	28.78	29.80	24.00	24.00	17.73	17.79	17.73	17.79			6.523	6.543	6.523	6.543
EHT160 (FCC)	5250 (Straddle)	50	SU	--	164.30	164.40	24.00	24.00	14.39	14.43	14.39	14.43	11.00	11.00	-4.643	-4.610	-4.543	-4.510
			996T	67	97.16	92.86	24.00	24.00	15.43	15.41	15.43	15.41			-0.898	-0.915	-0.898	-0.915
				S67	93.65	92.69	24.00	24.00	15.38	15.35	15.38	15.35			-1.014	-1.134	-1.014	-1.134
			242T	61	29.61	27.00	24.00	24.00	17.91	17.79	**17.91**	17.79			6.880	6.418	6.880	6.418
				62	32.16	32.90	24.00	24.00	17.82	17.76	17.82	17.76			6.426	6.639	6.426	6.639
				S64	26.28	27.95	24.00	24.00	17.85	17.88	17.85	17.88			6.659	6.803	6.659	6.803

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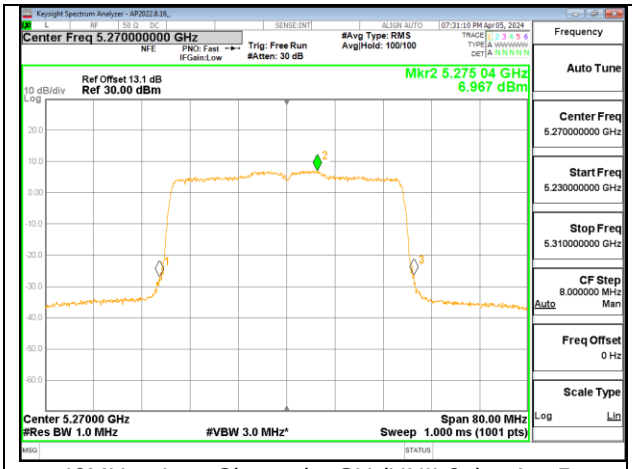
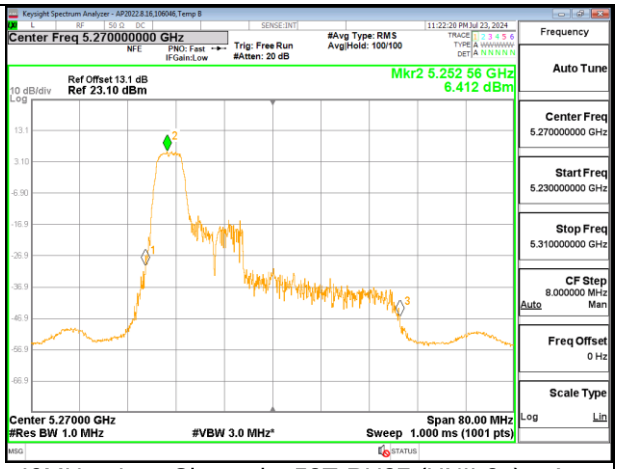


40MHz - Low Channel – SU (UNII-2a) – Ant 5



40MHz - Low Channel – 52T-RU37 (UNII-2a) – Ant 5

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9.5.12. 802.11be MIMO CDD MODE IN THE UNII-2A BAND

UNII-2a (MIMO CDD)	20MHz		40MHz		80MHz		160MHz		
	SU	52T	SU	52T	SU	242T	SU	996T	242T
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.00	0.00
Un-Correlated Gain (dBi)	-2.65								
Correlated Gain (dBi)	0.31								

UNII-1 (MIMO CDD)	
Straddle Channel	
Un-Corr. Gain (dBi)	-2.54
Corr. Gain (dBi)	0.30

UNII-2a (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
							Ant 1	Ant 2			Ant 1	Ant 2	
EHT20 (FCC)	5260	52	SU	--	20.91	24.00	16.87	16.79	19.84	11.00	6.474	6.374	9.435
			52T	37	19.66	23.94	11.87	11.81	14.85		6.849	6.796	9.833
				38	18.73	23.73	11.95	11.83	14.90		7.028	6.825	9.938
				40	19.54	23.91	11.77	11.91	14.85		6.727	6.952	9.851
	5300	60	SU	--	20.71	24.00	16.78	16.85	19.83		6.287	6.425	9.367
			52T	37	19.64	23.93	11.78	11.85	14.83		6.705	6.846	9.786
				38	18.00	23.55	11.77	11.89	14.84		6.702	6.979	9.853
				40	19.59	23.92	11.81	11.73	14.78		6.823	6.695	9.770
	5320	64	SU	--	21.40	24.00	16.91	16.82	**19.88**		6.623	6.407	9.527
			52T	37	19.72	23.95	11.85	11.91	14.89		6.903	7.056	9.990
				38	18.57	23.69	11.79	11.76	14.79		6.789	6.752	9.781
				40	19.68	23.94	11.81	11.89	14.86		6.835	6.958	9.907
EHT40 (FCC)	5270	54	SU	--	40.71	24.00	19.88	19.79	**22.85**	11.00	6.743	6.498	9.733
			52T	37	19.77	23.96	11.01	11.05	14.04		6.062	6.280	9.283
				41	22.76	24.00	11.09	11.19	14.15		6.400	6.594	9.608
				44	19.87	23.98	11.15	11.12	14.15		6.566	6.477	9.632
	5310	62	SU	--	42.30	24.00	15.39	15.36	18.39		1.897	1.813	4.966
			52T	37	19.42	23.88	11.10	11.13	14.13		6.180	6.378	9.390
				41	23.65	24.00	11.17	11.24	14.22		6.556	6.678	9.728
				44	19.83	23.97	11.21	11.19	14.21		6.649	6.581	9.725
EHT80 (FCC)	5290	58	SU	--	82.12	24.00	15.96	15.83	18.91	11.00	-0.477	-0.772	2.388
			242T	61	26.63	24.00	16.90	16.97	**19.95**		5.433	5.515	8.484
				62	26.48	24.00	16.86	16.76	19.82		5.296	5.204	8.261
				64	26.96	24.00	16.80	16.93	19.88		5.293	5.475	8.395
EHT160 (FCC)	5250 (Straddle)	50	SU	--	164.20	24.00	13.89	13.81	16.86	11.00	-5.288	-5.481	-2.273
			996T	67	93.42	24.00	14.39	14.31	17.36		-1.811	-2.147	1.035
				S67	94.53	24.00	14.29	14.35	17.33		-2.230	-2.084	0.854
			242T	61	25.67	24.00	16.85	16.89	**19.88**		5.498	5.511	8.515
				62	31.78	24.00	16.79	16.81	19.81		5.404	5.451	8.438
				S64	26.91	24.00	16.82	16.77	19.81		5.439	5.290	8.375

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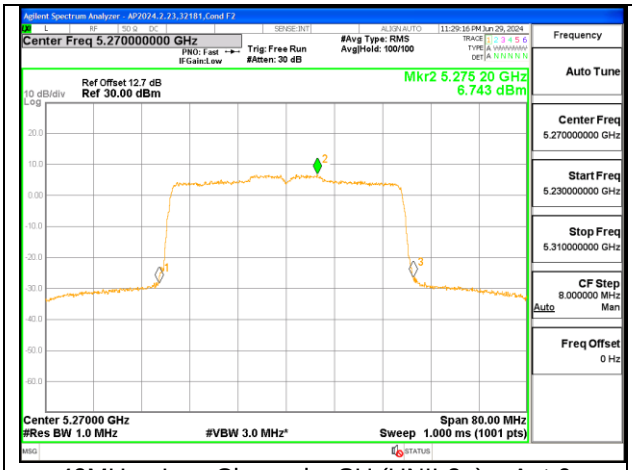
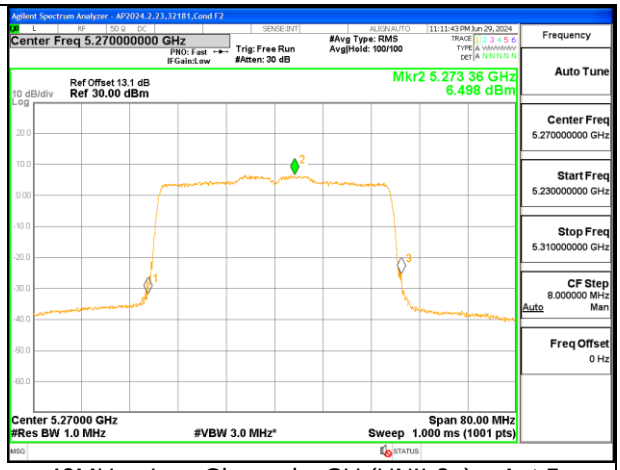
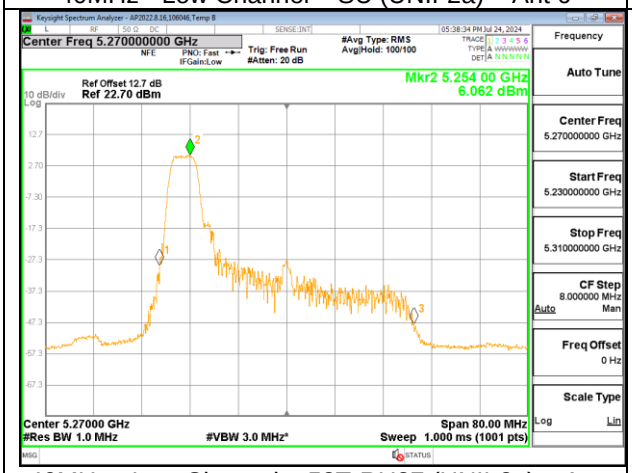


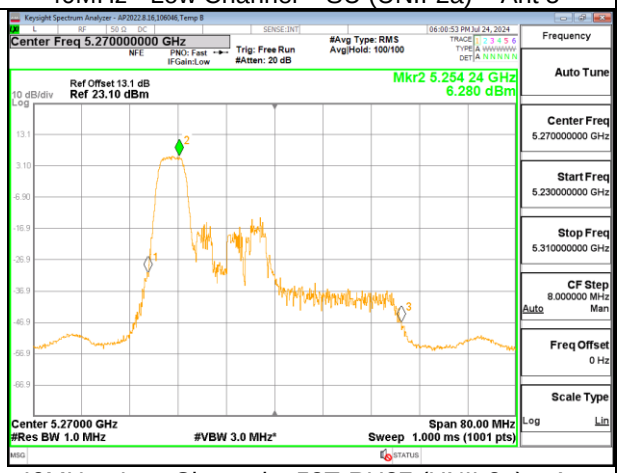
40MHz - Low Channel – SU (UNII-2a) – Ant 6



40MHz - Low Channel – SU (UNII-2a) – Ant 5



40MHz - Low Channel – 52T-RU37 (UNII-2a) – Ant 6



40MHz - Low Channel – 52T-RU37 (UNII-2a) – Ant 5

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9.5.13. 802.11be SISO MODE IN THE UNII-2C BAND

UNII-2c (SISO)	20MHz		40MHz		80MHz		160MHz		
	SU	52T	SU	52T	SU	242T	SU	996T	242T
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.00	0.00
Ant 1 (dBi)	-0.70								
Ant 2 (dBi)	-3.40								

UNII-3 (SISO)	
Straddle Channel	
Ant 1 (dBi)	-0.40
Ant 2 (dBi)	-3.30

UNII-2c (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
					Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
EHT20 (FCC)	5500	100	SU	--	22.68	21.40	24.00	24.00	18.75	18.89	18.75	18.89	11.00	11.00	8.864	9.110	8.864	9.110
			52T	37	19.67	19.67	23.94	23.94	14.09	14.19	14.09	14.19			8.326	8.696	8.326	8.696
				38	19.32	18.93	23.86	23.77	14.09	14.16	14.09	14.16			8.325	8.644	8.325	8.644
				40	20.58	20.05	24.00	24.00	14.12	14.21	14.12	14.21			8.517	8.735	8.517	8.735
	5580	116	SU	--	21.06	21.17	24.00	24.00	19.80	19.89	19.80	19.89			9.659	9.512	9.659	9.512
			52T	37	19.90	19.92	23.99	23.99	14.11	14.15	14.11	14.15			8.411	8.449	8.411	8.449
				38	19.41	19.16	23.88	23.82	14.02	14.19	14.02	14.19			8.306	8.645	8.306	8.645
				40	20.60	20.62	24.00	24.00	14.08	14.05	14.08	14.05			8.353	8.316	8.353	8.316
	5700	140	SU	--	21.80	23.22	24.00	24.00	16.32	16.41	16.32	16.41			5.801	6.228	5.801	6.228
			52T	37	19.76	19.93	23.96	24.00	14.14	14.20	14.14	14.20			8.268	8.307	8.268	8.307
				38	19.07	19.14	23.80	23.82	14.17	14.07	14.17	14.07			8.273	8.040	8.273	8.040
				40	20.29	20.65	24.00	24.00	14.09	14.11	14.09	14.11			8.137	8.261	8.137	8.261
	5720 (Straddle)	144	SU	--	15.51	15.69	22.91	22.96	19.91	19.77	**19.91**	19.77			9.150	9.129	9.150	9.129
			52T	37	14.80	14.94	22.70	22.74	14.11	14.07	14.11	14.07			8.235	8.128	8.235	8.128
				38	14.63	14.64	22.65	22.66	14.09	14.13	14.09	14.13			8.213	8.299	8.213	8.299
				40	15.27	15.31	22.84	22.85	14.19	14.15	14.19	14.15			8.538	8.372	8.538	8.372
EHT40 (FCC)	5510	102	SU	--	44.01	42.98	24.00	24.00	15.77	15.88	15.77	15.88	11.00	11.00	2.756	2.983	2.856	3.083
			52T	37	20.97	19.81	24.00	23.97	11.11	11.19	11.11	11.19			5.230	5.457	5.330	5.557
				41	24.39	25.37	24.00	24.00	11.09	11.14	11.09	11.14			5.031	5.355	5.131	5.455
				44	22.31	21.98	24.00	24.00	11.17	11.21	11.17	11.21			5.379	5.516	5.479	5.616
	5550	110	SU	--	41.21	41.08	24.00	24.00	20.39	20.31	20.39	20.31			7.562	7.319	7.662	7.419
			52T	37	19.92	20.13	23.99	24.00	11.04	11.07	11.04	11.07			5.250	5.381	5.350	5.481
				41	25.59	24.99	24.00	24.00	11.01	11.09	11.01	11.09			5.152	5.438	5.252	5.538
				44	22.45	21.95	24.00	24.00	11.21	11.19	11.21	11.19			5.643	5.499	5.743	5.599
	5670	134	SU	--	41.52	41.40	24.00	24.00	17.81	17.87	17.81	17.87			5.215	5.459	5.315	5.559
			52T	37	20.51	20.47	24.00	24.00	11.11	11.14	11.11	11.14			4.322	4.615	4.422	4.715
				41	25.95	25.41	24.00	24.00	11.22	11.19	11.22	11.19			4.804	4.713	4.904	4.813
				44	21.46	20.80	24.00	24.00	11.21	11.16	11.21	11.16			4.803	4.660	4.903	4.760
	5710 (Straddle)	142	SU	--	40.78	41.08	24.00	24.00	20.43	20.31	**20.43**	20.31			7.650	7.405	7.750	7.505
			52T	37	20.72	20.68	24.00	24.00	11.12	11.15	11.12	11.15			4.844	4.850	4.944	4.950
				41	27.27	25.28	24.00	24.00	11.07	11.10	11.07	11.10			4.798	4.830	4.898	4.930
				44	20.96	21.99	24.00	24.00	11.18	11.20	11.18	11.20			4.964	5.056	5.064	5.156
EHT80 (FCC)	5530	106	SU	--	84.60	83.02	24.00	24.00	15.81	15.89	15.81	15.89	11.00	11.00	-0.200	-0.049	-0.200	-0.049
			242T	61	30.21	32.46	24.00	24.00	17.88	17.79	17.88	17.79			6.745	6.447	6.745	6.447
				62	32.88	28.20	24.00	24.00	17.65	17.83	17.65	17.83			6.296	6.638	6.296	6.638
				64	30.57	30.73	24.00	24.00	17.73	17.69	17.73	17.69			6.400	6.374	6.400	6.374
	5610	122	SU	--	83.28	84.61	24.00	24.00	20.31	20.39	20.31	20.39			4.490	4.541	4.490	4.541
			242T	61	28.92	26.88	24.00	24.00	19.88	19.81	19.88	19.81			7.867	7.840	7.867	7.840
				62	30.78	33.85	24.00	24.00	19.75	19.71	19.75	19.71			7.746	7.739	7.746	7.739
				64	29.48	29.93	24.00	24.00	19.78	19.83	19.78	19.83			7.652	7.855	7.652	7.855
	5690 (Straddle)	138	SU	--	82.23	81.18	24.00	24.00	20.37	20.42	20.37	**20.42**			4.176	4.291	4.176	4.291
			242T	61	29.87	30.16	24.00	24.00	15.39	15.48	15.39	15.48			3.923	3.975	3.923	3.975
				62	36.57	38.16	24.00	24.00	15.35	15.45	15.35	15.45			3.893	3.960	3.893	3.960
				64	30.65	31.77	24.00	24.00	15.30	15.41	15.30	15.41			3.779	3.929	3.779	3.929
EHT160 (FCC)	5570	106	SU	--	165.50	163.20	24.00	24.00	15.34	15.31	15.34	15.31	11.00	11.00	-3.479	-3.598	-3.379	-3.498
			996T	67	85.56	84.82	24.00	24.00	14.81	14.83	14.81	14.83			-1.351	-1.334	-1.351	-1.334
				S67	86.89	85.44	24.00	24.00	14.77	14.87	14.77	14.87			-1.356	-1.211	-1.356	-1.211
			242T	61	27.85	28.45	24.00	24.00	17.93	17.97	17.93	**17.97**			6.633	6.844	6.633	6.844
				62	32.19	31.67	24.00	24.00	17.90	17.83	17.90	17.83			6.592	6.497	6.592	6.497
				S64	30.54	27.76	24.00	24.00	17.86	17.80	17.86	17.80			6.554	6.419	6.554	6.419

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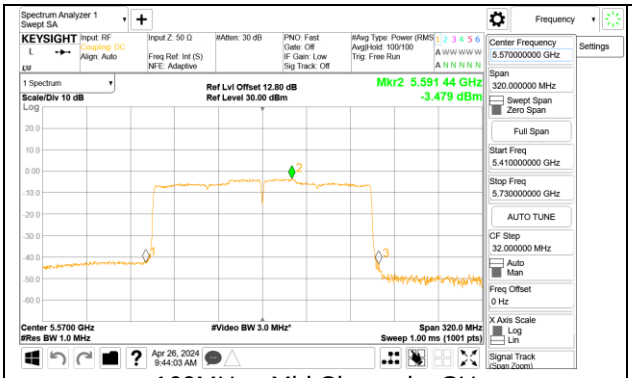
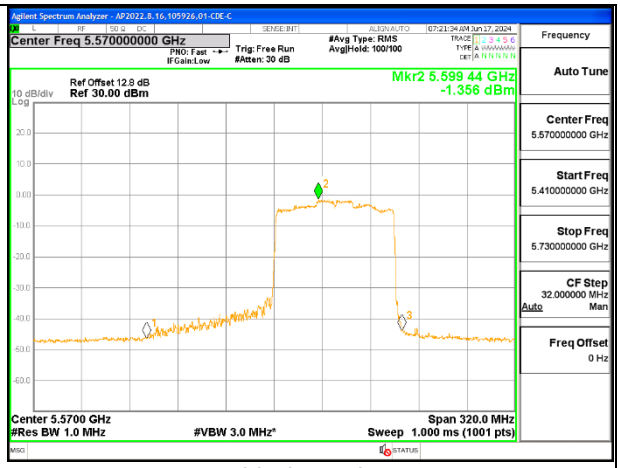
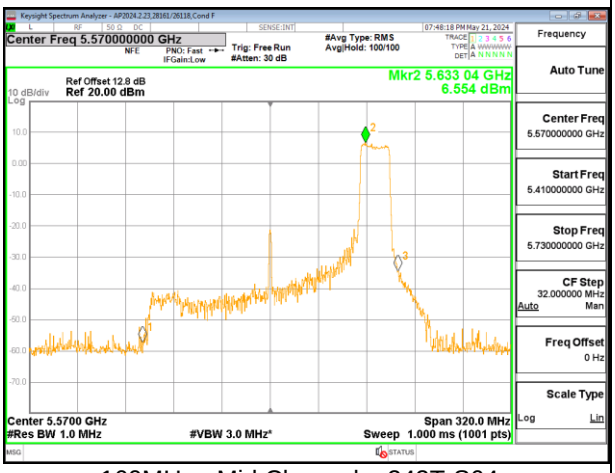


160MHz - Mid Channel – SU
(UNII-2c) – Ant 6



160MHz - Mid Channel – 996T-S67
(UNII-2c) – Ant 6



160MHz - Mid Channel – 242T-S64
(UNII-2c) – Ant 6

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9.5.14. 802.11be MIMO CDD MODE IN THE UNII-2C BAND

UNII-2c (MIMO CDD)	20MHz		40MHz		80MHz		160MHz		
	SU	52T	SU	52T	SU	242T	SU	996T	242T
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.00	0.00
Un-Correlated Gain (dBi)	-1.84								
Correlated Gain (dBi)	1.06								

UNII-3 (MIMO CDD)	
Straddle Channel	
Un-Corr. Gain (dBi)	-1.61
Corr. Gain (dBi)	1.28

UNII-2c (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
							Ant 1	Ant 2			Ant 1	Ant 2	
EHT20 (FCC)	5500	100	SU	--	21.30	24.00	16.94	16.82	19.89	11.00	6.302	6.140	9.232
			52T	37	19.68	23.94	11.80	11.83	14.83		6.328	6.330	9.339
				38	18.32	23.63	11.90	11.86	14.89		6.491	6.341	9.427
				40	19.75	23.96	11.94	11.97	14.97		6.505	6.578	9.552
	5580	116	SU	--	20.97	24.00	16.99	16.91	**19.96**		6.405	6.291	9.359
			52T	37	19.68	23.94	11.81	11.99	14.91		6.323	6.573	9.460
				38	18.40	23.65	11.88	11.85	14.88		6.388	6.354	9.381
				40	19.61	23.92	11.92	11.76	14.85		6.428	6.297	9.373
	5700	140	SU	--	22.02	24.00	15.92	15.96	18.95		5.034	5.096	8.075
			52T	37	19.57	23.92	11.97	11.95	14.97		6.544	6.416	9.491
				38	18.60	23.70	11.91	11.76	14.85		6.339	6.187	9.274
				40	19.84	23.98	11.82	11.86	14.85		6.309	6.318	9.324
	5720 (Straddle)	144	SU	--	15.47	22.89	16.88	16.72	19.81		6.511	6.202	9.370
			52T	37	14.90	22.73	11.85	11.73	14.80		6.656	6.319	9.501
				38	14.26	22.54	11.91	11.78	14.86		6.911	6.589	9.763
				40	14.93	22.74	11.81	11.71	14.77		6.642	6.269	9.470
EHT40 (FCC)	5510	102	SU	--	41.37	24.00	15.34	15.39	18.38	11.00	2.111	2.179	5.255
			52T	37	19.80	23.97	11.05	11.11	14.09		4.878	5.032	8.066
				41	23.82	24.00	11.09	11.19	14.15		4.992	5.198	8.207
				44	19.86	23.98	11.15	11.21	14.19		5.097	5.215	8.267
	5550	110	SU	--	40.79	24.00	19.87	19.72	22.81		5.251	4.867	8.174
			52T	37	19.85	23.98	11.05	11.13	14.10		4.917	5.212	8.177
				41	25.36	24.00	11.09	11.19	14.15		5.123	5.465	8.408
				44	19.91	23.99	11.15	11.21	14.19		5.296	5.499	8.509
	5670	134	SU	--	41.42	24.00	17.31	17.38	20.36		4.455	4.609	7.643
			52T	37	19.79	23.96	11.09	11.05	14.08		4.576	4.523	7.660
				41	23.42	24.00	11.19	11.17	14.19		5.033	4.862	8.059
				44	19.90	23.99	11.12	11.14	14.14		4.620	4.855	7.849
	5710 (Straddle)	142	SU	--	40.92	24.00	19.89	19.81	**22.86**		5.988	5.971	9.090
			52T	37	19.94	24.00	11.04	11.07	14.07		4.330	4.570	7.562
				41	23.62	24.00	11.13	11.15	14.15		4.706	4.728	7.827
				44	19.67	23.94	11.09	11.19	14.15		4.641	4.772	7.817
EHT80 (FCC)	5530	106	SU	--	81.56	24.00	14.89	14.74	17.83	11.00	-0.975	-0.996	2.025
			242T	61	27.26	24.00	16.71	16.68	19.71		3.930	3.765	6.859
				62	32.04	24.00	16.79	16.75	19.78		4.206	3.997	7.113
				64	27.44	24.00	16.89	16.83	19.87		4.566	4.354	7.472
	5610	122	SU	--	83.42	24.00	19.78	19.89	**22.85**		4.160	4.233	7.207
			242T	61	27.54	24.00	16.71	16.68	19.71		4.179	4.330	7.265
				62	34.26	24.00	16.79	16.75	19.78		4.256	4.234	7.255
				64	26.95	24.00	16.88	16.83	19.87		4.260	4.622	7.455
	5690 (Straddle)	138	SU	--	80.25	24.00	19.88	19.78	22.84		3.867	3.854	6.871
			242T	61	27.47	24.00	14.77	14.61	17.70		2.615	2.228	5.436
				62	34.68	24.00	14.71	14.65	17.69		2.588	2.546	5.577
				64	27.19	24.00	14.81	14.88	17.86		2.921	3.010	5.976
EHT160 (FCC)	5570	106	SU	--	160.70	24.00	14.77	14.89	17.84	11.00	-4.105	-3.894	-0.888
			996T	67	89.48	24.00	13.86	13.80	16.84		-2.584	-2.588	0.424
				S67	85.49	24.00	13.96	13.90	16.94		-2.435	-2.560	0.513
			242T	61	24.28	24.00	16.69	16.64	19.68		4.581	4.381	7.492
				62	29.21	24.00	16.73	16.79	19.77		4.747	4.845	7.807
				S64	25.47	24.00	16.88	16.83	**19.87**		5.110	4.907	8.020

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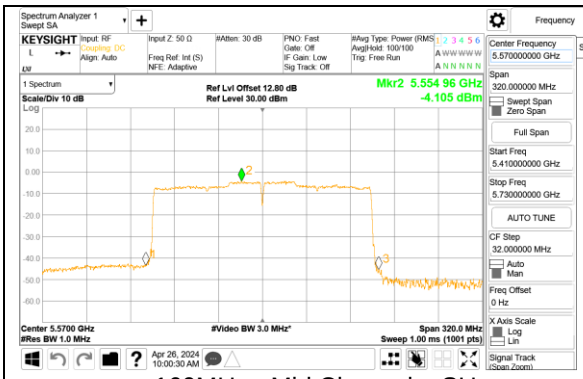
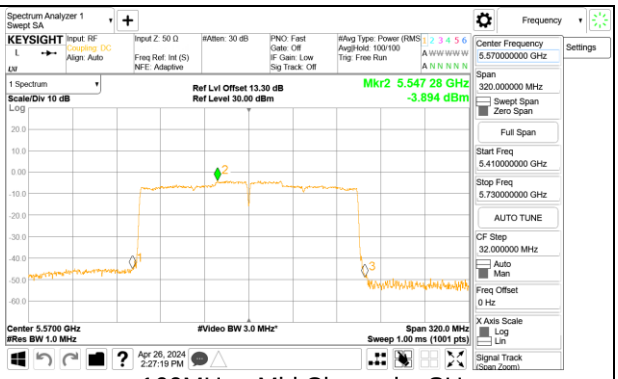
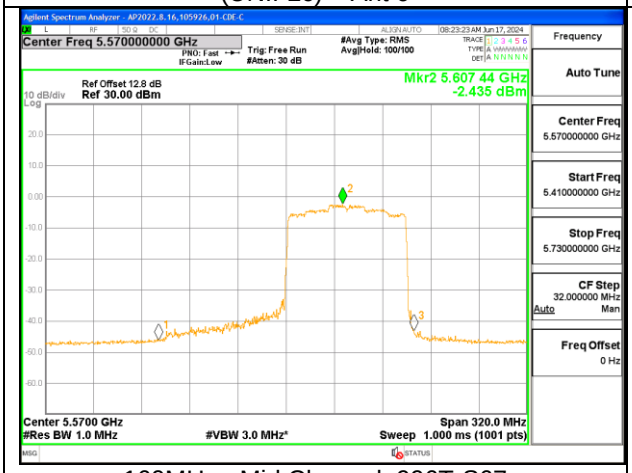


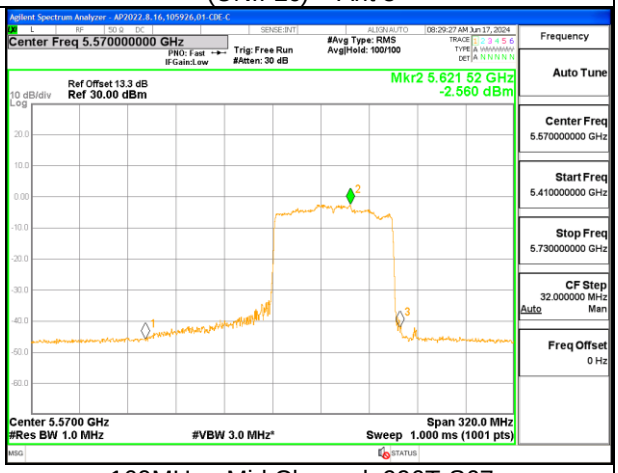
160MHz - Mid Channel – SU (UNII-2c) – Ant 6



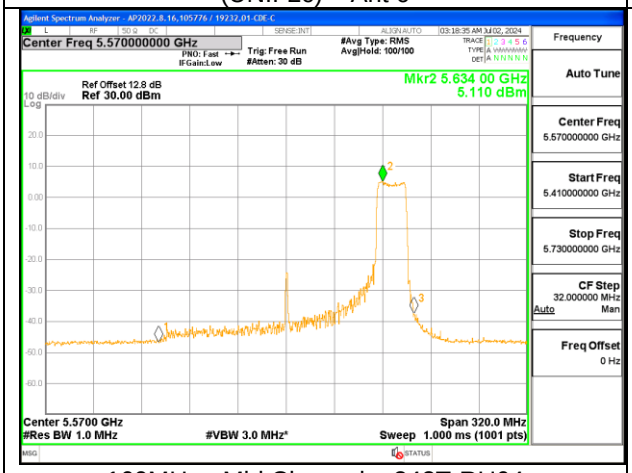
160MHz - Mid Channel – SU (UNII-2c) – Ant 5



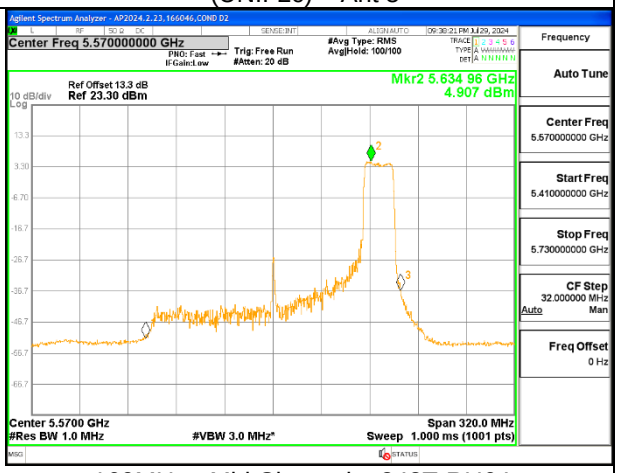
160MHz - Mid Channel–996T-S67 (UNII-2c) – Ant 6



160MHz - Mid Channel–996T-S67 (UNII-2c) – Ant 5



160MHz - Mid Channel – 242T-RU64 (UNII-2c) – Ant 6



160MHz - Mid Channel – 242T-RU64 (UNII-2c) – Ant 5

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9.5.15. 802.11be SISO MODE IN THE UNII-3 BAND

UNII-3 (SISO)	20MHz		40MHz		80MHz			160MHz	
	SU	Partial RU 52T	SU	242T	SU	242T	52 + 26	SU	Partial RU
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.00	0.00	0.00	0.00	N/A	
Ant 1 (dBi)	-0.40								
Ant 2 (dBi)	-3.30								

UNII-3 (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/500kHz)		PSD (dBm/500kHz)		Total Corrected PSD (dBm/500kHz)	
					Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2
EHT20	5745	149	SU	--	--		30	30	20.31	20.37	20.31	20.37	30	30	7.450	7.588	7.450	7.588
			52T	37					14.07	14.16	14.07	14.16			5.855	6.074	5.855	6.074
				38					14.11	14.14	14.11	14.14			5.938	6.022	5.938	6.022
				40					14.21	14.19	14.21	14.19			6.208	6.101	6.208	6.101
	5785	157	SU	--					20.33	20.39	20.33	**20.39**			7.512	7.634	7.512	7.634
			52T	37					14.19	14.03	14.19	14.03			6.265	6.033	6.265	6.033
				38					14.12	14.15	14.12	14.15			6.120	6.154	6.120	6.154
				40					14.09	14.05	14.09	14.05			6.093	6.008	6.093	6.008
	5825	165	SU	--					20.34	20.36	20.34	20.36			7.641	7.856	7.641	7.856
			52T	37					14.05	14.11	14.05	14.11			6.039	6.192	6.039	6.192
				38					14.14	14.19	14.14	14.19			6.293	6.543	6.293	6.543
				40					14.10	14.16	14.10	14.16			6.191	6.410	6.191	6.410
EHT40	5755	151	SU	--	--		30	30	20.41	20.33	**20.41**	20.33	30	30	4.867	4.748	4.967	4.848
			242T	61					20.37	20.31	20.37	20.31			6.385	5.948	6.385	5.948
				62					20.39	20.27	20.39	20.27			6.395	5.907	6.395	5.907
	5795	159	SU	--					20.31	20.39	20.31	20.39			4.775	4.802	4.875	4.902
			242T	61					20.38	20.35	20.38	20.35			6.336	6.121	6.336	6.121
				62					20.31	20.27	20.31	20.27			6.119	5.933	6.119	5.933
EHT80	5775	155	SU	--	--		30	30	20.37	20.29	20.37	20.29	30	30	1.667	1.187	1.667	1.187
			242T	61					20.40	20.38	20.40	20.38			5.895	5.795	5.895	5.795
				62					20.31	20.43	20.31	20.43			5.641	5.939	5.641	5.939
				64					20.35	20.48	20.35	**20.48**			5.788	6.101	5.788	6.101
			52 + 26	71					9.65	9.71	9.65	9.71			-0.651	-0.335	-0.651	-0.335
				74					9.57	9.63	9.57	9.63			-0.908	-0.674	-0.908	-0.674
				80					9.61	9.67	9.61	9.67			-0.806	-0.593	-0.806	-0.593

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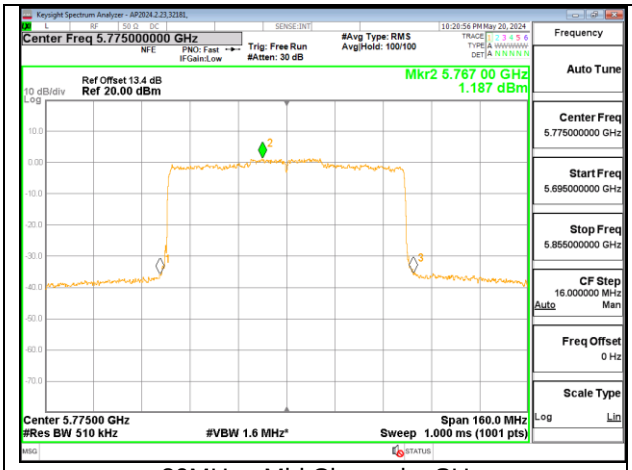
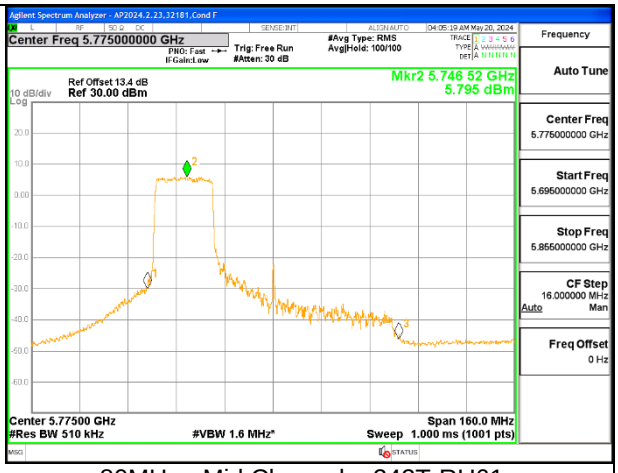


80MHz - Mid Channel – SU
(UNII-3) – Ant 5



80MHz - Mid Channel – 242T-RU61
(UNII-3) – Ant 5

80MHz - Mid Channel–52+26T-RU71
(UNII-3) – Ant 5

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9.5.16. 802.11be MIMO CDD MODE IN THE UNII-3 BAND

UNII-3 (MIMO CDD)	20MHz		40MHz		80MHz			160MHz	
	SU	52T	SU	242T	SU	242T	52 + 26	SU	Partial RU
DCCF (MCS0) (dB)	0.00	0.00	0.10	0.00	0.00	0.00	0.00	N/A	
Un-Correlated Gain (dBi)	-1.61								
Correlated Gain (dBi)	1.28								

UNII-3 (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/500kHz)	PSD (dBm/500kHz)		Total MIMO Corrected PSD (dBm/500kHz)
							Ant 1	Ant 2			Ant 1	Ant 2	
EHT20	5745	149	SU	--	--	30	20.27	20.39	23.34	30	6.687	6.966	9.839
			52T	37			14.03	14.18	17.12		5.956	6.355	9.170
				38			14.07	14.15	17.12		6.073	6.310	9.203
				40			14.11	14.21	17.17		6.180	6.372	9.287
	5785	157	SU	--			20.25	20.38	23.33		6.669	6.838	9.765
			52T	37			14.02	14.05	17.05		6.433	6.125	9.292
				38			14.15	14.12	17.15		6.491	6.420	9.466
				40			14.09	14.19	17.15		6.256	6.570	9.426
	5825	165	SU	--			20.33	20.37	**23.36**		6.699	6.717	9.718
			52T	37			14.01	14.15	17.09		6.267	6.628	9.462
				38			14.08	14.18	17.14		6.341	6.672	9.520
				40			14.05	14.11	17.09		6.310	6.587	9.461
EHT40	5755	151	SU	--	--	30	20.36	20.40	23.39	30	5.447	5.553	8.611
			242T	61			20.30	20.43	23.38		5.733	5.939	8.848
				62			20.36	20.46	23.42		5.785	5.994	8.901
	5795	159	SU	--			20.49	20.41	**23.46**		5.639	5.565	8.712
			242T	61			20.33	20.41	23.38		5.751	5.862	8.817
				62			20.36	20.40	23.39		5.756	5.816	8.796
EHT80	5775	155	SU	--	--	30	19.82	19.87	22.86	30	0.880	0.977	3.939
			242T	61			20.34	20.21	23.29		6.157	5.882	9.032
				62			20.17	20.31	23.25		5.925	6.048	8.997
				64			20.25	20.39	**23.33**		6.021	6.175	9.109
			52 + 26	71			9.57	9.65	12.62		-0.352	-0.297	2.686
				74			9.50	9.61	12.57		-0.467	-0.320	2.617
				80			9.69	9.53	12.62		-0.286	-0.463	2.637

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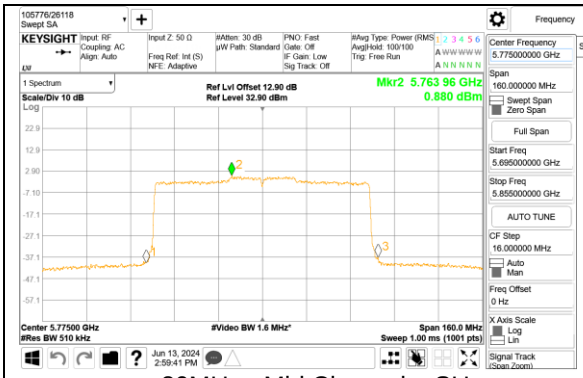
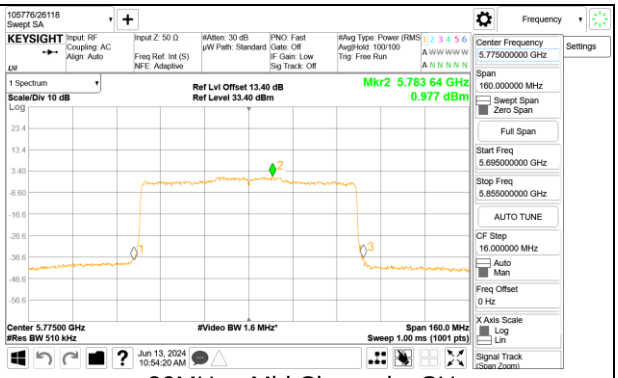
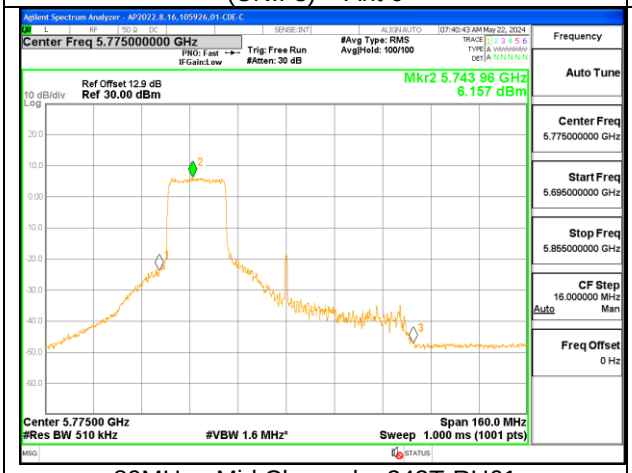


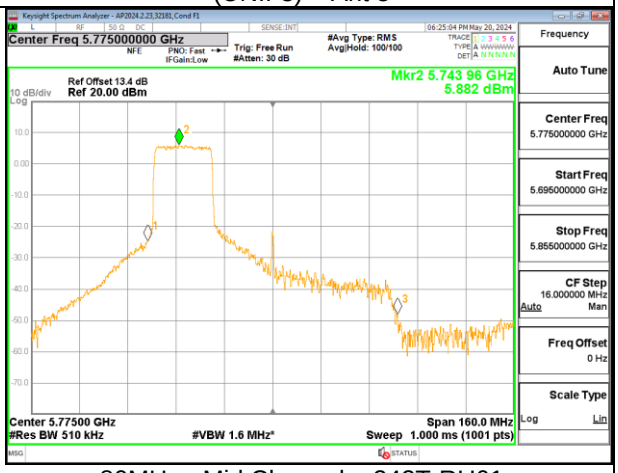
80MHz - Mid Channel – SU
(UNII-3) – Ant 6



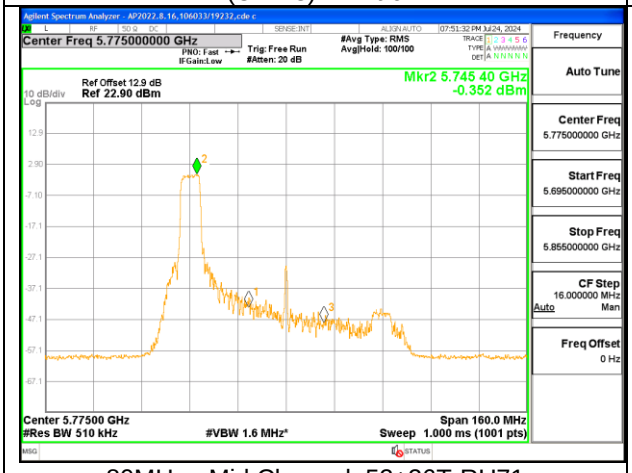
80MHz - Mid Channel – SU
(UNII-3) – Ant 5



80MHz - Mid Channel – 242T-RU61
(UNII-3) – Ant 6



80MHz - Mid Channel – 242T-RU61
(UNII-3) – Ant 5



80MHz - Mid Channel–52+26T-RU71
(UNII-3) – Ant 6

80MHz - Mid Channel–52+26T-RU71
(UNII-3) – Ant 5

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