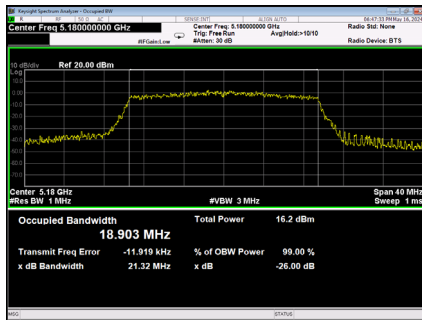


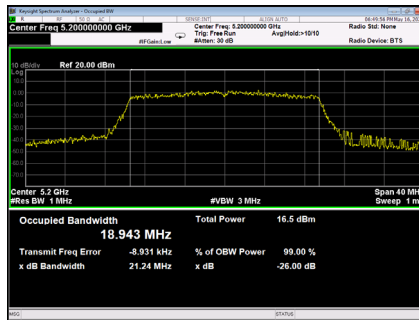
UNII-1_TX AX (HE20) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.32	18.903
40	5200	21.24	18.943
48	5240	21.33	18.925

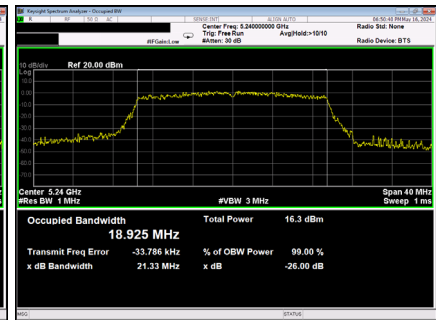
CH36



CH40



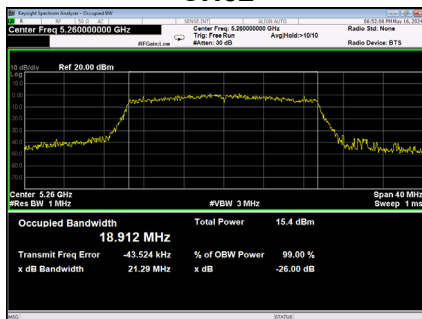
CH48



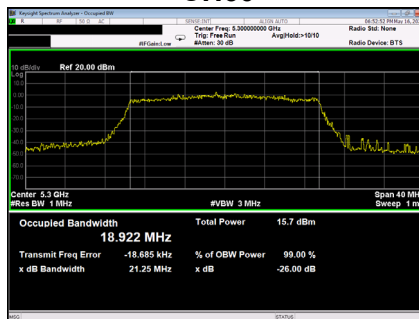
UNII-2A_TX AX (HE20) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
52	5260	21.29	18.912
60	5300	21.25	18.922
64	5320	21.14	18.950

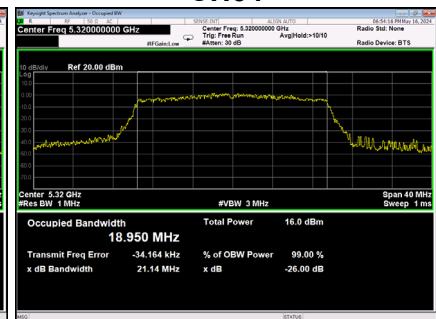
CH52



CH60



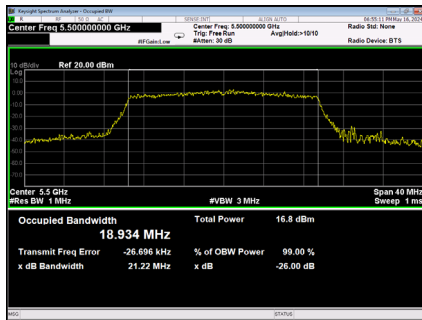
CH64



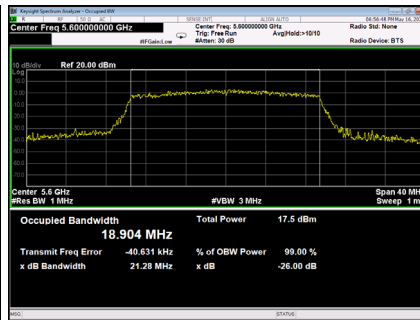
UNII-2C_TX AX (HE20) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
100	5500	21.22	18.934
120	5600	21.28	18.904
140	5700	21.40	18.967

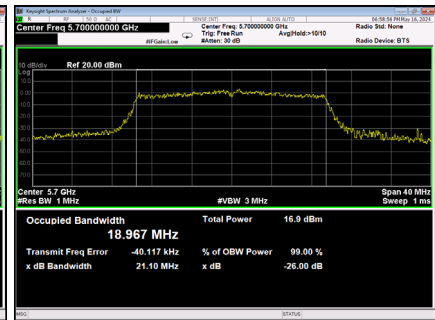
CH100



CH120



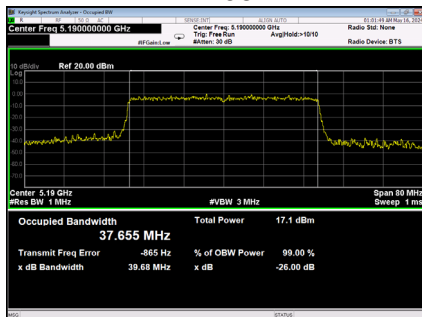
CH140



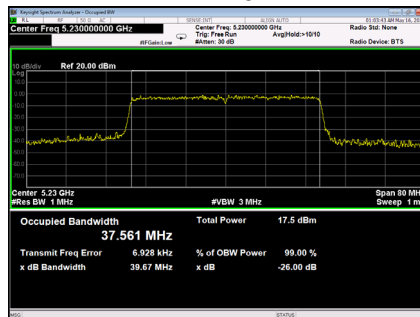
UNII-1_TX AX (HE40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	39.68	37.655
46	5230	39.67	37.561

CH38



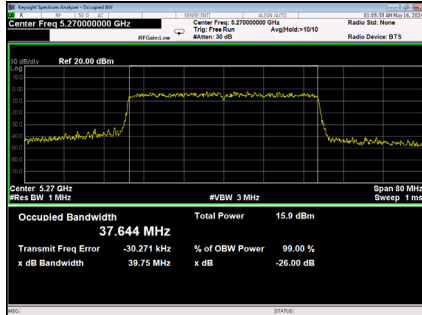
CH46



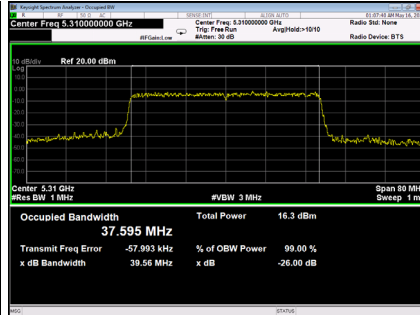
UNII-2A_TX AX (HE40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
54	5270	39.75	37.644
62	5310	39.56	37.595

CH54



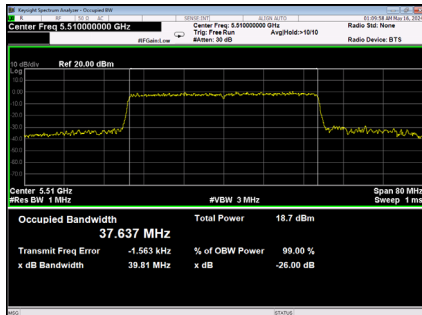
CH62



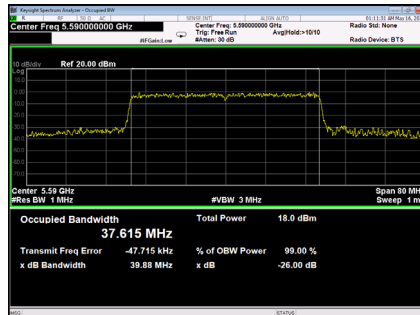
UNII-2C_TX AX (HE40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
102	5510	39.81	37.637
118	5590	39.88	37.615
134	5670	39.80	37.674

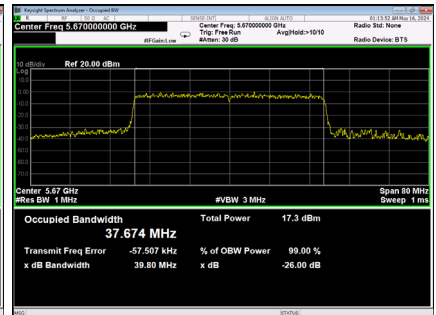
CH102



CH118



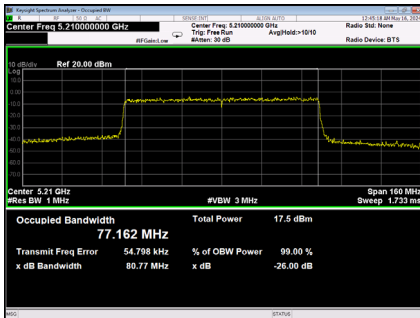
CH134



UNII-1_TX AX (HE80) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
42	5210	80.77	77.162

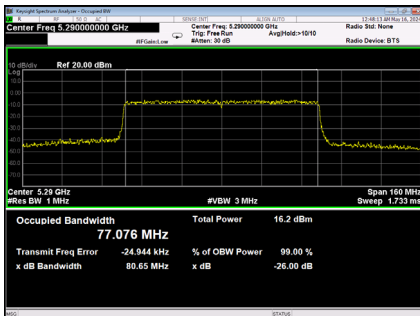
CH42



UNII-2A_TX AX (HE80) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
58	5290	80.65	77.076

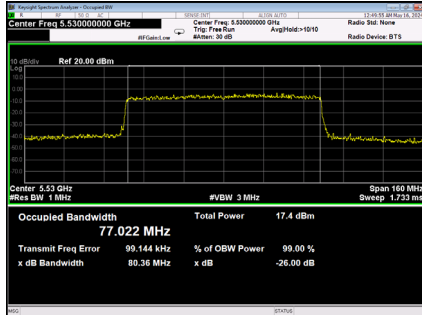
CH58



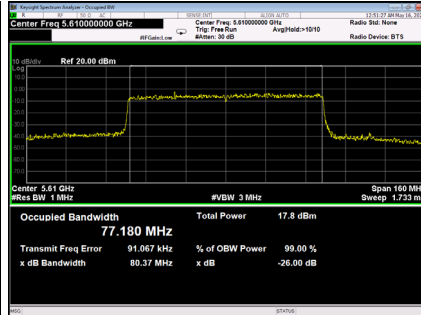
UNII-2C_TX AX (HE80) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
106	5530	80.36	77.022
122	5610	80.37	77.180

CH106



CH122

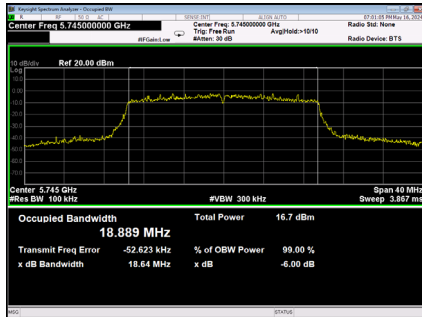


UNII-3_TX AX (HE20) Mode

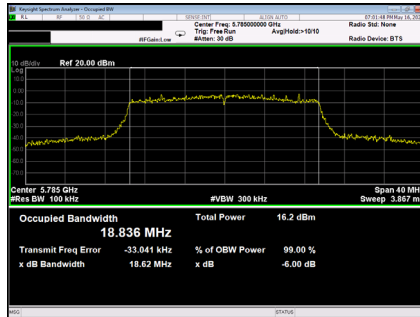
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
149	5745	18.64	18.928	500	PASS
157	5785	18.62	18.928	500	PASS
165	5825	18.54	18.958	500	PASS

6 dB Bandwidth

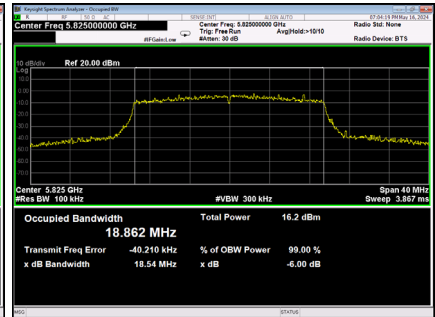
CH149



CH157

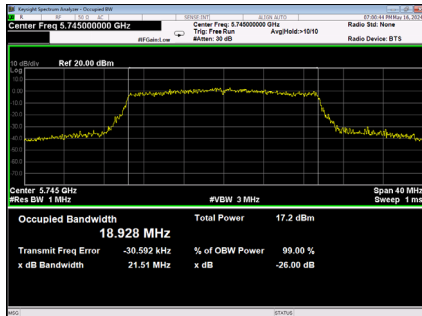


CH165

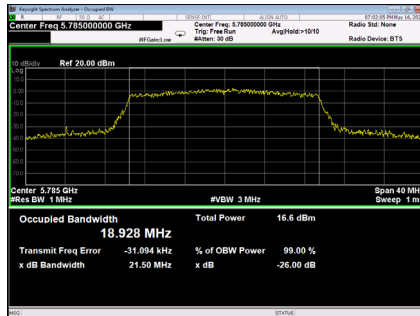


99% Emission Bandwidth

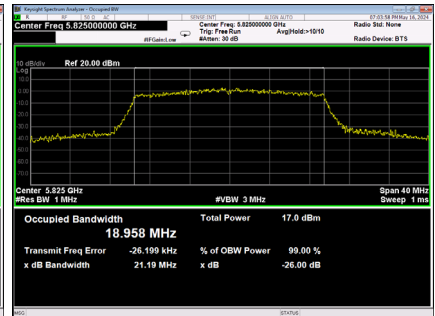
CH149



CH157



CH165

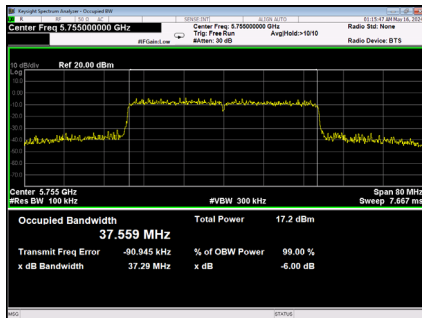


UNII-3_TX AX (HE40) Mode

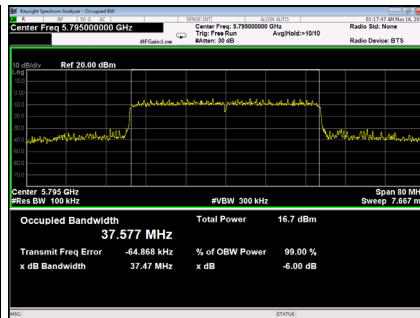
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
151	5755	37.29	37.685	500	PASS
159	5795	37.47	37.738	500	PASS

6 dB Bandwidth

CH151

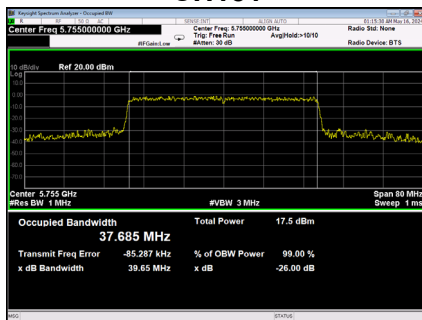


CH159

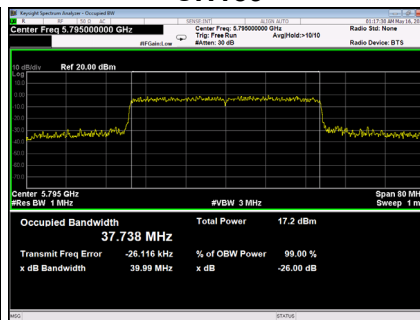


99% Emission Bandwidth

CH151

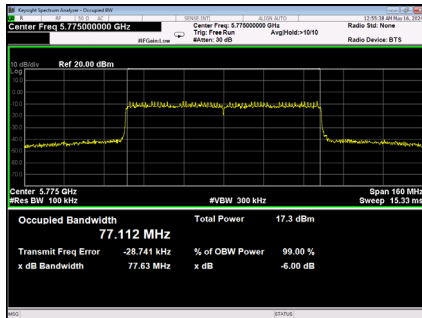
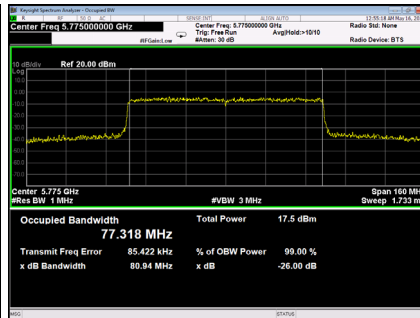


CH159



UNII-3_TX AX (HE80) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
155	5775	77.63	77.318	500	PASS

**6 dB Bandwidth
CH155****99% Emission Bandwidth
CH155**

7 MAXIMUM OUTPUT POWER TEST

7.1 LIMIT

FCC Part15, Subpart E (15.407)&RSS-247			
Section	Test Item	Limit	Frequency Range (MHz)
RSS-247 6.2.1.1	EIRP Output Power	not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less	5150-5250
15.407(a)	Maximum Output Power	AP device: 1 Watt (30dBm) Client device: 250mW (24dBm)	5150-5250
15.407(a) RSS-247 6.2.4.1	Maximum Output Power	1 Watt (30dBm)	5725-5850

Note:

- a. For 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.
- b. B is the 99% emission bandwidth in megahertz.

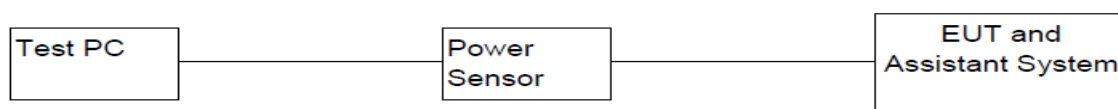
7.2 TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- c. $EIRP \text{ Power} = \text{Output Power} + \text{Directional Gain}$
MIMO Directional Gain = Ant 1 Gain + Ant 2 Gain = 3dBi + 3dBi = 6.01dBi

7.3 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Power Sensor	KEYSIGHT	U2021XA	MY55240009	05/22/2025
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A
3	RF Cable	Micable	C10-01-01-1	100309	N/A
4	Test Software	KEYSIGHT	Power Panel	V3.11	N/A

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

UNII-1_TX A Mode_Ant 1 For FCC

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	12.51	0.00	12.51	24.00	0.25	PASS
40	5200	12.81	0.00	12.81	24.00	0.25	PASS
48	5240	12.58	0.00	12.58	24.00	0.25	PASS

UNII-1_TX A Mode_Ant 2 For FCC

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	12.68	0.00	12.68	24.00	0.25	PASS
40	5200	12.63	0.00	12.63	24.00	0.25	PASS
48	5240	12.26	0.00	12.26	24.00	0.25	PASS

UNII-1_TX A Mode_Ant 1 For IC

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	EIRP + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	12.51	0.00	12.61	23.00	0.2	PASS
40	5200	12.81	0.00	12.91	23.00	0.2	PASS
48	5240	12.58	0.00	12.68	23.00	0.2	PASS

UNII-1_TX A Mode_Ant 2 For IC

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	EIRP + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	12.68	0.00	12.78	23.00	0.2	PASS
40	5200	12.63	0.00	12.73	23.00	0.2	PASS
48	5240	12.26	0.00	12.36	23.00	0.2	PASS

UNII-2A_TX A Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	11.59	0.00	11.59	24.00	0.25	PASS
60	5300	11.97	0.00	11.97	24.00	0.25	PASS
64	5320	12.01	0.00	12.01	24.00	0.25	PASS

UNII-2A_TX A Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	11.38	0.00	11.38	24.00	0.25	PASS
60	5300	12.13	0.00	12.13	24.00	0.25	PASS
64	5320	12.15	0.00	12.15	24.00	0.25	PASS

UNII-2C_TX A Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	13.02	0.00	13.02	24.00	0.25	PASS
120	5600	13.83	0.00	13.83	24.00	0.25	PASS
140	5700	13.34	0.00	13.34	24.00	0.25	PASS

UNII-2C_TX A Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	13.32	0.00	13.32	24.00	0.25	PASS
120	5600	13.84	0.00	13.84	24.00	0.25	PASS
140	5700	13.38	0.00	13.38	24.00	0.25	PASS

UNII-1_TX N (HT20) Mode _Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	13.56	0.00	13.56	24.00	0.25	PASS
40	5200	13.68	0.00	13.68	24.00	0.25	PASS
48	5240	13.74	0.00	13.74	24.00	0.25	PASS

UNII-1_TX N (HT20) Mode _Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	14.71	0.00	14.71	24.00	0.25	PASS
40	5200	14.22	0.00	14.22	24.00	0.25	PASS
48	5240	13.72	0.00	13.72	24.00	0.25	PASS

UNII-1_TX N (HT20) Mode _Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	17.18	24.00	0.25	PASS
40	5200	16.97	24.00	0.25	PASS
48	5240	16.74	24.00	0.25	PASS

UNII-1_TX N (HT20) Mode _Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.06	23.00	0.2	PASS
40	5200	19.85	23.00	0.2	PASS
48	5240	19.62	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

UNII-2A_TX N (HT20) Mode _Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	12.50	0.00	12.50	24.00	0.25	PASS
60	5300	12.94	0.00	12.94	24.00	0.25	PASS
64	5320	13.10	0.00	13.10	24.00	0.25	PASS

UNII-2A_TX N (HT20) Mode _Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	13.11	0.00	13.11	24.00	0.25	PASS
60	5300	13.54	0.00	13.54	24.00	0.25	PASS
64	5320	13.45	0.00	13.45	24.00	0.25	PASS

UNII-2A_TX N (HT20) Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	15.83	24.00	0.25	PASS
60	5300	16.26	24.00	0.25	PASS
64	5320	16.29	24.00	0.25	PASS

UNII-2C_TX N (HT20) Mode _Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	13.97	0.00	13.97	24.00	0.25	PASS
120	5600	14.63	0.00	14.63	24.00	0.25	PASS
140	5700	14.26	0.00	14.26	24.00	0.25	PASS

UNII-2C_TX N (HT20) Mode _Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.55	0.00	15.55	24.00	0.25	PASS
120	5600	15.35	0.00	15.35	24.00	0.25	PASS
140	5700	14.88	0.00	14.88	24.00	0.25	PASS

UNII-2C_TX N (HT20) Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	17.84	24.00	0.25	PASS
120	5600	18.02	24.00	0.25	PASS
140	5700	17.59	24.00	0.25	PASS

UNII-1_TX N (HT40) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	14.11	0.00	14.11	24.00	0.25	PASS
46	5230	13.96	0.00	13.96	24.00	0.25	PASS

UNII-1_TX N (HT40) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	14.37	0.00	14.37	24.00	0.25	PASS
46	5230	13.44	0.00	13.44	24.00	0.25	PASS

UNII-1_TX N (HT40) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	17.25	24.00	0.25	PASS
46	5230	16.72	24.00	0.25	PASS

UNII-1_TX N (HT40) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	20.13	23.00	0.2	PASS
46	5230	19.60	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

UNII-2A_TX N (HT40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	13.12	0.00	13.12	24.00	0.25	PASS
62	5310	13.28	0.00	13.28	24.00	0.25	PASS

UNII-2A_TX N (HT40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	12.86	0.00	12.86	24.00	0.25	PASS
62	5310	13.06	0.00	13.06	24.00	0.25	PASS

UNII-2A_TX N (HT40) Mode_Total For FCC

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	16.00	24.00	0.25	PASS
62	5310	16.18	24.00	0.25	PASS

UNII-2C_TX N (HT40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	14.50	0.00	14.50	24.00	0.25	PASS
118	5590	15.02	0.00	15.02	24.00	0.25	PASS
134	5670	14.31	0.00	14.31	24.00	0.25	PASS

UNII-2C_TX N (HT40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	14.73	0.00	14.73	24.00	0.25	PASS
118	5590	14.90	0.00	14.90	24.00	0.25	PASS
134	5670	14.20	0.00	14.20	24.00	0.25	PASS

UNII-2C_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.63	24.00	0.25	PASS
118	5590	17.97	24.00	0.25	PASS
134	5670	17.27	24.00	0.25	PASS

UNII-3_TX A Mode_Ant1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	13.65	0	13.65	30.00	1.00	PASS
157	5785	12.88	0	12.88	30.00	1.00	PASS
165	5825	12.78	0	12.78	30.00	1.00	PASS

UNII-3_TX A Mode_Ant2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	13.82	0	13.82	30.00	1.00	PASS
157	5785	13.72	0	13.72	30.00	1.00	PASS
165	5825	12.85	0	12.85	30.00	1.00	PASS

UNII-3_TX N (HT20) Mode_Ant1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	14.60	0.00	14.60	30.00	1.00	PASS
157	5785	14.22	0.00	14.22	30.00	1.00	PASS
165	5825	13.34	0.00	13.34	30.00	1.00	PASS

UNII-3_TX N (HT20) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	15.34	0.00	15.34	30.00	1.00	PASS
157	5785	15.01	0.00	15.01	30.00	1.00	PASS
165	5825	14.67	0.00	14.67	30.00	1.00	PASS

UNII-3_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	18.00	30.00	1.00	PASS
157	5785	17.64	30.00	1.00	PASS
165	5825	17.07	30.00	1.00	PASS

UNII-3_TX N (HT40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	14.71	0.00	14.71	30.00	1.00	PASS
159	5795	14.17	0.00	14.17	30.00	1.00	PASS

UNII-3_TX N (HT40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	14.89	0.00	14.89	30.00	1.00	PASS
159	5795	14.49	0.00	14.49	30.00	1.00	PASS

UNII-3_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	17.81	30.00	1.00	PASS
159	5795	17.34	30.00	1.00	PASS

UNII-1_TX AC (VHT20) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	14.17	0.00	14.17	24.00	0.25	PASS
40	5200	14.22	0.00	14.22	24.00	0.25	PASS
48	5240	14.04	0.00	14.04	24.00	0.25	PASS

UNII-1_TX AC (VHT20) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	13.04	0.00	13.04	24.00	0.25	PASS
40	5200	12.48	0.00	12.48	24.00	0.25	PASS
48	5240	12.05	0.00	12.05	24.00	0.25	PASS

UNII-1_TX AC (VHT20) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	16.65	24.00	0.25	PASS
40	5200	16.45	24.00	0.25	PASS
48	5240	16.17	24.00	0.25	PASS

UNII-1_TX AC (VHT20) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.53	23.00	0.2	PASS
40	5200	19.33	23.00	0.2	PASS
48	5240	19.05	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

UNII-2A_TX AC (VHT20) Mode _Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	13.08	0.00	13.08	24.00	0.25	PASS
60	5300	13.44	0.00	13.44	24.00	0.25	PASS
64	5320	13.45	0.00	13.45	24.00	0.25	PASS

UNII-2A_TX AC (VHT20) Mode _Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	11.27	0.00	11.27	24.00	0.25	PASS
60	5300	12.31	0.00	12.31	24.00	0.25	PASS
64	5320	12.04	0.00	12.04	24.00	0.25	PASS

UNII-2A_TX AC (VHT20) Mode _Total					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	15.28	24.00	0.25	PASS
60	5300	15.92	24.00	0.25	PASS
64	5320	15.81	24.00	0.25	PASS

UNII-2C_TX AC (VHT20) Mode _Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	14.46	0.00	14.46	24.00	0.25	PASS
120	5600	15.04	0.00	15.04	24.00	0.25	PASS
140	5700	14.53	0.00	14.53	24.00	0.25	PASS

UNII-2C_TX AC (VHT20) Mode _Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	13.55	0.00	13.55	24.00	0.25	PASS
120	5600	13.44	0.00	13.44	24.00	0.25	PASS
140	5700	13.51	0.00	13.51	24.00	0.25	PASS

UNII-2C_TX AC (VHT20) Mode _Total					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	17.04	24.00	0.25	PASS
120	5600	17.32	24.00	0.25	PASS
140	5700	17.06	24.00	0.25	PASS

UNII-1_TX AC (VHT40) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	14.09	0.00	14.09	24.00	0.25	PASS
46	5230	14.11	0.00	14.11	24.00	0.25	PASS

UNII-1_TX AC (VHT40) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	13.80	0.00	13.80	24.00	0.25	PASS
46	5230	14.58	0.00	14.58	24.00	0.25	PASS

UNII-1_TX AC (VHT40) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	16.96	24.00	0.25	PASS
46	5230	17.36	24.00	0.25	PASS

UNII-1_TX AC (VHT40) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm))	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	19.84	23.00	0.2	PASS
46	5230	20.24	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

UNII-2A_TX AC (VHT40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	13.13	0.00	13.13	24.00	0.25	PASS
62	5310	13.43	0.00	13.43	24.00	0.25	PASS

UNII-2A_TX AC (VHT40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	13.06	0.00	13.06	24.00	0.25	PASS
62	5310	13.23	0.00	13.23	24.00	0.25	PASS

UNII-2A_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	16.11	24.00	0.25	PASS
62	5310	16.34	24.00	0.25	PASS

UNII-2C_TX AC (VHT40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	14.68	0.00	14.68	24.00	0.25	PASS
118	5590	15.05	0.00	15.05	24.00	0.25	PASS
134	5670	14.63	0.00	14.63	24.00	0.25	PASS

UNII-2C_TX AC (VHT40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	14.84	0.00	14.84	24.00	0.25	PASS
118	5590	14.83	0.00	14.83	24.00	0.25	PASS
134	5670	14.23	0.00	14.23	24.00	0.25	PASS

UNII-2C_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.77	24.00	0.25	PASS
118	5590	17.95	24.00	0.25	PASS
134	5670	17.44	24.00	0.25	PASS

UNII-1_TX AC (VHT80) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	13.73	0.00	13.73	24.00	0.25	PASS

UNII-1_TX AC (VHT80) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	13.27	0.00	13.27	24.00	0.25	PASS

UNII-1_TX AC (VHT80) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	16.52	24.00	0.25	PASS

UNII-1_TX AC (VHT80) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	19.40	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88 dBi

UNII-2A_TX AC (VHT80) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	13.17	0.00	13.17	24.00	0.25	PASS

UNII-2A_TX AC (VHT80) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	12.25	0.00	12.25	24.00	0.25	PASS

UNII-2A_TX AC (VHT80) Mode_Total For FCC

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	15.74	24.00	0.25	PASS

UNII-2C_TX AC (VHT80) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	14.83	0.00	14.83	24.00	0.25	PASS
122	5610	15.13	0.00	15.13	24.00	0.25	PASS

UNII-2C_TX AC (VHT80) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	14.08	0.00	14.08	24.00	0.25	PASS
122	5610	14.05	0.00	14.05	24.00	0.25	PASS

UNII-2C_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	17.48	24.00	0.25	PASS
122	5610	17.63	24.00	0.25	PASS

UNII-3_TX AC (VHT20) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	14.65	0.00	14.65	30.00	1.00	PASS
157	5785	13.84	0.00	13.84	30.00	1.00	PASS
165	5825	14.69	0.00	14.69	30.00	1.00	PASS

UNII-3_TX AC (VHT20) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	13.29	0.00	13.29	30.00	1.00	PASS
157	5785	13.36	0.00	13.36	30.00	1.00	PASS
165	5825	12.90	0.00	12.90	30.00	1.00	PASS

UNII-3_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	17.03	30.00	1.00	PASS
157	5785	16.62	30.00	1.00	PASS
165	5825	16.90	30.00	1.00	PASS

UNII-3_TX AC (VHT40) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	14.73	0.00	14.73	30.00	1.00	PASS
159	5795	14.55	0.00	14.55	30.00	1.00	PASS

UNII-3_TX AC (VHT40) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	14.74	0.00	14.74	30.00	1.00	PASS
159	5795	14.42	0.00	14.42	30.00	1.00	PASS

UNII-3_TX AC (VHT40) Mode_Total					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	17.75	30.00	1.00	PASS
159	5795	17.50	30.00	1.00	PASS

UNII-3_TX AC (VHT80) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	14.65	0.00	14.65	30.00	1.00	PASS

UNII-3_TX AC (VHT80) Mode_Ant2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	14.35	0.00	14.35	30.00	1.00	PASS

UNII-3_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	17.51	30.00	1.00	PASS

UNII-1_TX AX (HE20) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	14.89	0.00	14.89	24.00	0.25	PASS
40	5200	14.83	0.00	14.83	24.00	0.25	PASS
48	5240	14.97	0.00	14.97	24.00	0.25	PASS

UNII-1_TX AX (HE20) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	15.05	0.00	15.05	24.00	0.25	PASS
40	5200	14.91	0.00	14.91	24.00	0.25	PASS
48	5240	14.33	0.00	14.33	24.00	0.25	PASS

UNII-1_TX AX (HE20) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	17.98	24.00	0.25	PASS
40	5200	17.88	24.00	0.25	PASS
48	5240	17.67	24.00	0.25	PASS

UNII-1_TX AX (HE20) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.86	23.00	0.2	PASS
40	5200	20.76	23.00	0.2	PASS
48	5240	20.55	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88

UNII-2A_TX AX (HE20) Mode _Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	14.17	0.00	14.17	24.00	0.25	PASS
60	5300	13.88	0.00	13.88	24.00	0.25	PASS
64	5320	14.34	0.00	14.34	24.00	0.25	PASS

UNII-2A_TX AX (HE20) Mode _Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	13.88	0.00	13.88	24.00	0.25	PASS
60	5300	14.48	0.00	14.48	24.00	0.25	PASS
64	5320	14.30	0.00	14.30	24.00	0.25	PASS

UNII-2A_TX AX (HE20) Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	17.04	24.00	0.25	PASS
60	5300	17.20	24.00	0.25	PASS
64	5320	17.33	24.00	0.25	PASS

UNII-2C_TX AX (HE20) Mode _Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.31	0.00	15.31	24.00	0.25	PASS
120	5600	15.77	0.00	15.77	24.00	0.25	PASS
140	5700	15.19	0.00	15.19	24.00	0.25	PASS

UNII-2C_TX AX (HE20) Mode _Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.80	0.00	15.80	24.00	0.25	PASS
120	5600	15.98	0.00	15.98	24.00	0.25	PASS
140	5700	15.37	0.00	15.37	24.00	0.25	PASS

UNII-2C_TX AX (HE20) Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.57	24.00	0.25	PASS
120	5600	18.89	24.00	0.25	PASS
140	5700	18.29	24.00	0.25	PASS

UNII-1_TX AX (HE40) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	15.37	0.00	15.37	24.00	0.25	PASS
46	5230	15.82	0.00	15.82	24.00	0.25	PASS

UNII-1_TX AX (HE40) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	15.07	0.00	15.07	24.00	0.25	PASS
46	5230	14.29	0.00	14.29	24.00	0.25	PASS

UNII-1_TX AX (HE40) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.23	24.00	0.25	PASS
46	5230	18.13	24.00	0.25	PASS

UNII-1_TX AX (HE40) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	21.11	23.00	0.2	PASS
46	5230	21.01	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

UNII-2A_TX AX (HE40) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	14.71	0.00	14.71	24.00	0.25	PASS
62	5310	14.84	0.00	14.84	24.00	0.25	PASS

UNII-2A_TX AX (HE40) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	14.03	0.00	14.03	24.00	0.25	PASS
62	5310	14.44	0.00	14.44	24.00	0.25	PASS

UNII-2A_TX AX (HE40) Mode_Total					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	17.39	24.00	0.25	PASS
62	5310	17.65	24.00	0.25	PASS

UNII-2C_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	15.75	0.00	15.75	24.00	0.25	PASS
118	5590	16.21	0.00	16.21	24.00	0.25	PASS
134	5670	15.89	0.00	15.89	24.00	0.25	PASS

UNII-2C_TX AX (HE40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	16.01	0.00	16.01	24.00	0.25	PASS
118	5590	16.33	0.00	16.33	24.00	0.25	PASS
134	5670	15.97	0.00	15.97	24.00	0.25	PASS

UNII-2C_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	18.89	24.00	0.25	PASS
118	5590	19.28	24.00	0.25	PASS
134	5670	18.94	24.00	0.25	PASS

UNII-1_TX AX (HE80) Mode_Ant 1							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	15.32	0.00	15.32	24.00	0.25	PASS

UNII-1_TX AX (HE80) Mode_Ant 2							
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	14.83	0.00	14.83	24.00	0.25	PASS

UNII-1_TX AX (HE80) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.09	24.00	0.25	PASS

UNII-1_TX AX (HE80) Mode_Total For IC					
Channel	Frequency (MHz)	EIRP Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	20.97	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

UNII-2A_TX AX (HE80) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	13.79	0.00	13.79	24.00	0.25	PASS

UNII-2A_TX AX (HE80) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	14.24	0.00	14.24	24.00	0.25	PASS

UNII-2A_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	17.03	24.00	0.25	PASS

UNII-2C_TX AX (HE80) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	15.49	0.00	15.49	24.00	0.25	PASS
122	5610	15.77	0.00	15.77	24.00	0.25	PASS

UNII-2C_TX AX (HE80) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	16.21	0.00	16.21	24.00	0.25	PASS
122	5610	16.00	0.00	16.00	24.00	0.25	PASS

UNII-2C_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	18.88	24.00	0.25	PASS
122	5610	18.90	24.00	0.25	PASS

UNII-3_TX AX (HE20) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	15.39	0.00	15.39	30.00	1.00	PASS
157	5785	14.87	0.00	14.87	30.00	1.00	PASS
165	5825	14.54	0.00	14.54	30.00	1.00	PASS

UNII-3_TX AX (HE20) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	15.93	0.00	15.93	30.00	1.00	PASS
157	5785	15.29	0.00	15.29	30.00	1.00	PASS
165	5825	14.90	0.00	14.90	30.00	1.00	PASS

UNII-3_TX AX (HE20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	18.68	30.00	1.00	PASS
157	5785	18.10	30.00	1.00	PASS
165	5825	17.73	30.00	1.00	PASS

UNII-3_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	15.88	0.00	15.88	30.00	1.00	PASS
159	5795	15.60	0.00	15.60	30.00	1.00	PASS

UNII-3_TX AX (HE40) Mode_Ant 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	16.31	0.00	16.31	30.00	1.00	PASS
159	5795	15.43	0.00	15.43	30.00	1.00	PASS

UNII-3_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	19.11	30.00	1.00	PASS
159	5795	18.53	30.00	1.00	PASS

UNII-3_TX AX (HE80) Mode_Ant 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	16.39	0.00	16.39	30.00	1.00	PASS

UNII-3_TX AX (HE80) Mode_Ant2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	15.94	0.00	15.94	30.00	1.00	PASS

UNII-3_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	19.18	30.00	1.00	PASS

8 POWER SPECTRAL DENSITY TEST

8.1 LIMIT

FCC Part15, Subpart E (15.407)&RSS-247			
Section	Test Item	Limit	Frequency Range (MHz)
RSS-247 6.2.1.2	EIRP Power Spectral Density	10dBm/MHz	5150-5250
15.407(a)	Power Spectral Density	AP device:17dBm/MHz Client device:11dBm/MHz	5150-5250
15.407(a) RSS-247 6.2.4.2	Power Spectral Density	30dBm/500kHz	5725-5850

8.2 TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
- The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.
- EIRP Power Spectral Density = Power Spectral Density+Antenna Gain
MIMO Directional Gain= Ant 1 Gain+Ant 2 Gain=0.10dBi+ (-0.38) dBi=2.88dBi

8.3 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	2025/05/22
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A
3	RF Cable	Mi-cable	C10-01-01-1	100309	N/A

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

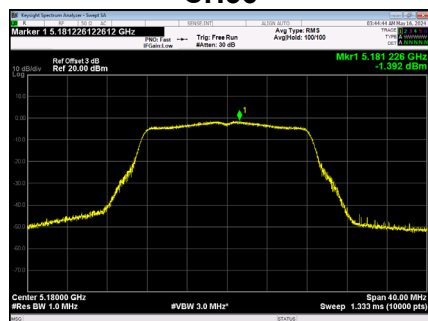
The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

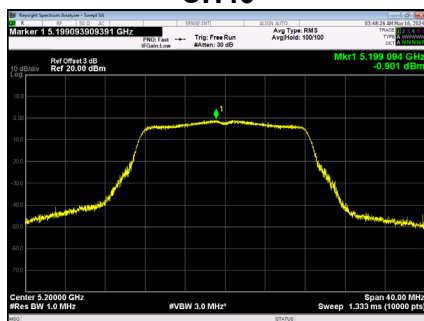
UNII-1_TX A Mode_Ant 1 For FCC						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.392	0.00	-1.392	11.00	PASS
40	5200	-0.901	0.00	-0.901	11.00	PASS
48	5240	-1.031	0.00	-1.031	11.00	PASS

UNII-1_TX A Mode_Ant 1 For IC						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	EIRP Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.392	0.00	-1.292	10.00	PASS
40	5200	-0.901	0.00	-0.801	10.00	PASS
48	5240	-1.031	0.00	-0.931	10.00	PASS

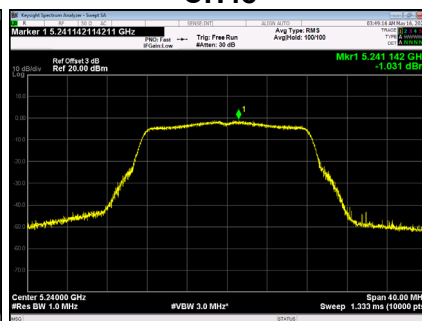
CH36



CH40



CH48



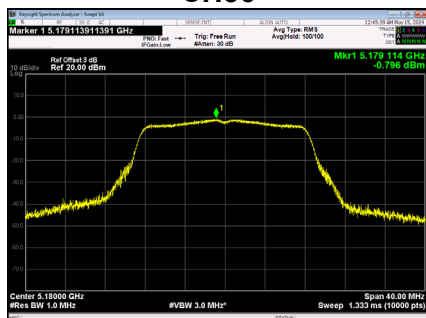
UNII-1_TX A Mode_Ant2 For FCC

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-0.796	0.00	-0.796	11.00	PASS
40	5200	-1.037	0.00	-1.037	11.00	PASS
48	5240	-1.345	0.00	-1.345	11.00	PASS

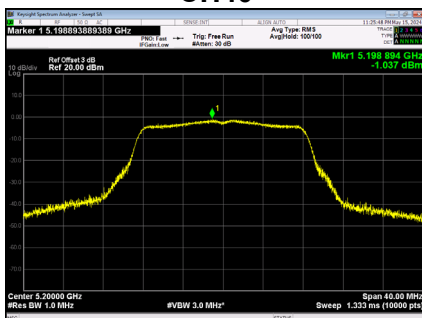
UNII-1_TX A Mode_Ant2 For IC

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	EIRP Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-0.796	0.00	-1.626	10.00	PASS
40	5200	-1.037	0.00	-1.867	10.00	PASS
48	5240	-1.345	0.00	-2.175	10.00	PASS

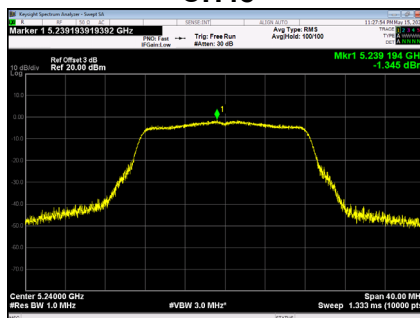
CH36



CH40



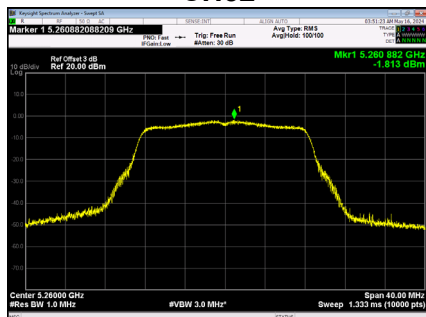
CH48



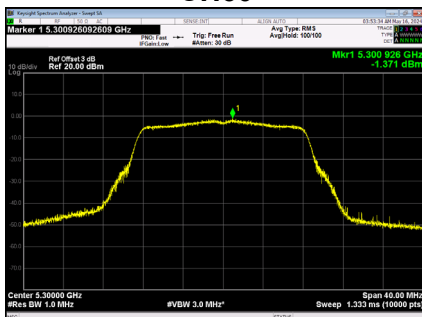
UNII-2A_TX A Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-1.813	0.00	-1.813	11.00	PASS
60	5300	-1.371	0.00	-1.371	11.00	PASS
64	5320	-1.363	0.00	-1.363	11.00	PASS

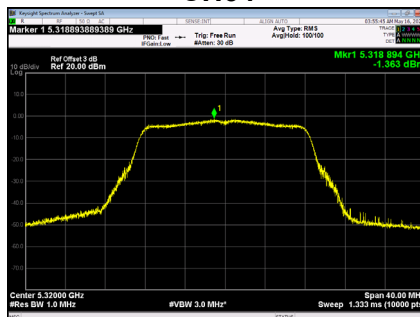
CH52



CH60



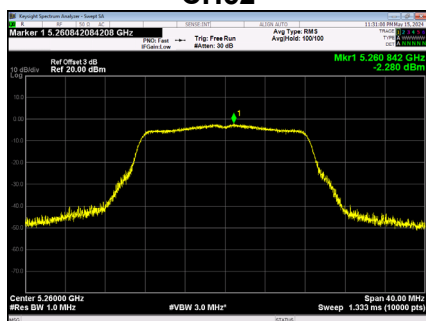
CH64



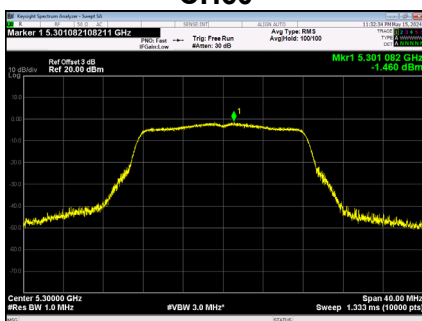
UNII-2A_TX A Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-2.280	0.00	-2.280	11.00	PASS
60	5300	-1.460	0.00	-1.460	11.00	PASS
64	5320	-1.693	0.00	-1.693	11.00	PASS

CH52



CH60



CH64

