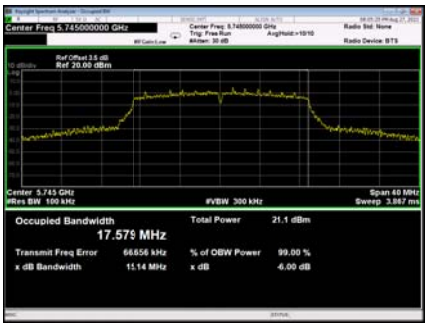
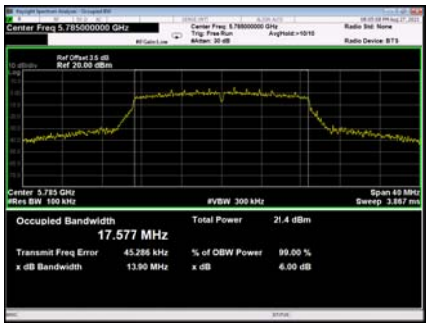
UNII-3_TX N (HT20) Mode					
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
149	5745	15.14	17.746	500	PASS
157	5785	13.90	17.710	500	PASS
165	5825	15.45	17.756	500	PASS

6 dB Bandwidth

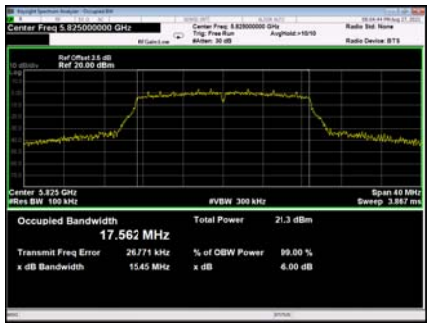
CH149



CH157



CH165



99% Emission Bandwidth

CH149

CH157

CH165

UNII-3_TX N (HT40) Mode					
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
151	5755	35.03	36.333	500	PASS
159	5795	35.16	36.498	500	PASS

6 dB Bandwidth

CH151

CH159

99% Emission Bandwidth

CH151

CH159

UNII-1_TX AC (VHT20) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	20.43	17.696
40	5200	20.17	17.725
48	5240	20.09	17.692

CH36

CH40

CH48

UNII-2A_TX AC (VHT20) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
52	5260	20.22	17.690
60	5300	20.11	17.658
64	5320	20.16	17.656

CH52

CH60

CH64

UNII-2C_TX AC (VHT20) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
100	5500	20.03	17.667
120	5600	20.15	17.682
140	5700	20.07	17.653

CH100

CH120

CH140

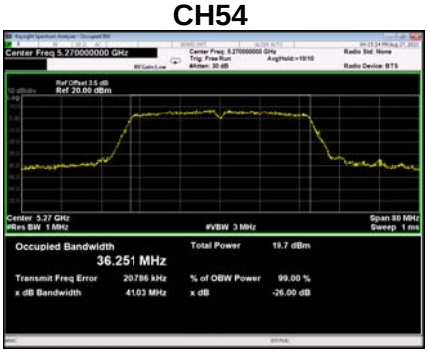
UNII-1_TX AC (VHT40) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	41.30	36.412
46	5230	41.05	36.345

CH38

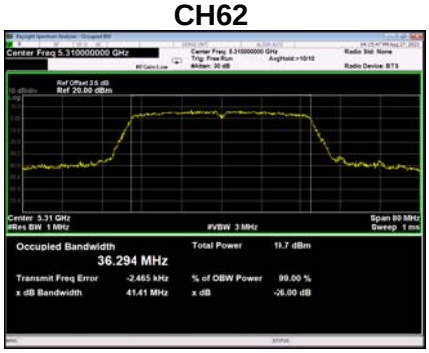
CH46

UNII-2A_TX AC (VHT40) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
54	5270	41.03	36.251
62	5310	41.41	36.297

CH54



CH62



UNII-2C_TX AC (VHT40) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
102	5510	41.28	36.248
118	5590	41.31	36.269
134	5670	40.53	36.289

CH102

CH118

CH134

UNII-1_TX AC (VHT80) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
42	5210	81.80	75.941

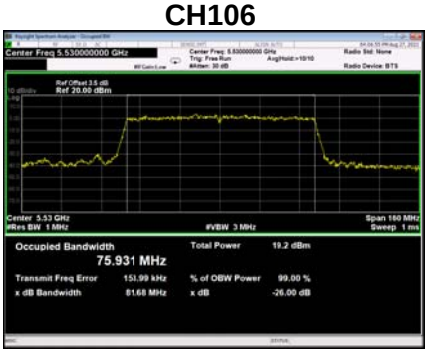
CH42

UNII-2A_TX AC (VHT80) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
58	5290	81.63	75.883

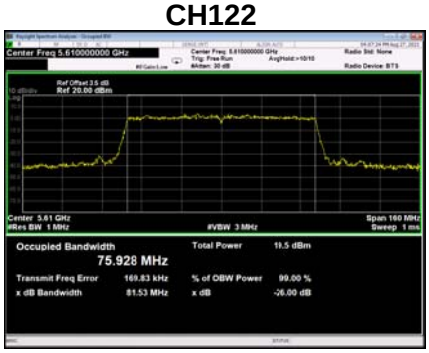
CH58

UNII-2C_TX AC (VHT80) Mode			
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
106	5530	81.68	75.931
122	5610	81.53	75.928

CH106



CH122



UNII-3_TX AC (VHT20) Mode					
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
149	5745	16.63	17.660	500	PASS
157	5785	16.97	17.700	500	PASS
165	5825	17.53	17.759	500	PASS

6 dB Bandwidth

CH149

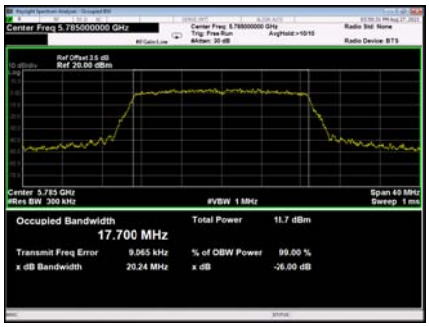
CH157

CH165

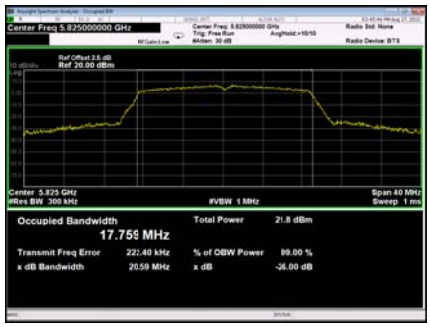
99% Emission Bandwidth

CH149

CH157



CH165



UNII-3_TX AC (VHT40) Mode					
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
151	5755	35.48	36.317	500	PASS
159	5795	35.68	36.312	500	PASS

6 dB Bandwidth

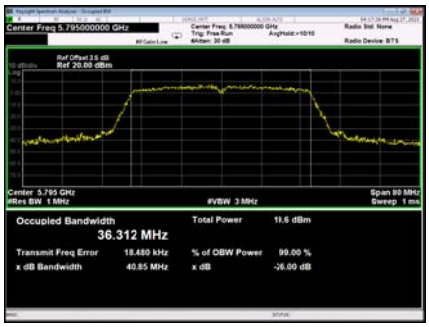
CH151

CH159

99% Emission Bandwidth

CH151

CH159



UNII-3_TX AC (VHT80) Mode					
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
155	5775	75.47	75.930	500	PASS

6 dB Bandwidth
CH155

99% Emission Bandwidth
CH155

7 MAXIMUM OUTPUT POWER TEST

7.1LIMIT

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 logB, 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.

7.2TEST 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.

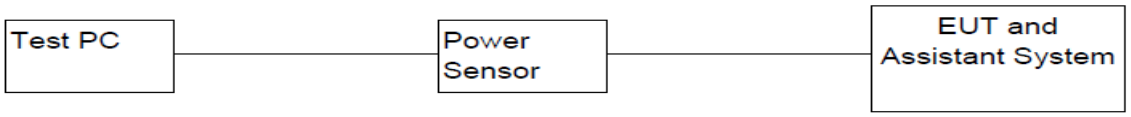
c. EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

7.3MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Power Sensor	KEYSIGHT	U2021XA	MY55240009	05/23/2022
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

7.4TEST SETUP



7.5EUT 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	14.82	0.00	14.82	24.00	0.25	PASS
40	5200	14.79	0.00	14.79	24.00	0.25	PASS
48	5240	14.61	0.00	14.61	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	14.82	0.00	14.82	24.00	0.25	PASS
40	5200	14.67	0.00	14.67	24.00	0.25	PASS
48	5240	14.64	0.00	14.64	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	17.82	0.00	17.82	23.00	0.2	PASS
40	5200	17.79	0.00	17.79	23.00	0.2	PASS
48	5240	17.61	0.00	17.61	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	17.82	0.00	17.82	23.00	0.2	PASS
40	5200	17.67	0.00	17.67	23.00	0.2	PASS
48	5240	17.64	0.00	17.64	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	14.69	0.00	14.69	24.00	0.25	PASS
60	5300	14.55	0.00	14.55	24.00	0.25	PASS
64	5320	14.62	0.00	14.62	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	14.78	0.00	14.78	24.00	0.25	PASS
60	5300	14.67	0.00	14.67	24.00	0.25	PASS
64	5320	14.65	0.00	14.65	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	14.91	0.00	14.91	24.00	0.25	PASS
120	5600	14.90	0.00	14.90	24.00	0.25	PASS
140	5700	14.92	0.00	14.92	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	14.87	0.00	14.87	24.00	0.25	PASS
120	5600	14.78	0.00	14.78	24.00	0.25	PASS
140	5700	14.65	0.00	14.65	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	13.68	0.00	13.68	24.00	0.25	PASS
40	5200	13.90	0.00	13.90	24.00	0.25	PASS
48	5240	13.64	0.00	13.64	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	13.48	0.00	13.48	24.00	0.25	PASS
40	5200	13.72	0.00	13.72	24.00	0.25	PASS
48	5240	13.76	0.00	13.76	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	16.59	24.00	0.25	PASS
40	5200	16.82	24.00	0.25	PASS
48	5240	16.71	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	22.60	23.00	0.2	PASS
40	5200	22.83	23.00	0.2	PASS
48	5240	22.72	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

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	13.56	0.00	13.56	24.00	0.25	PASS
60	5300	13.53	0.00	13.53	24.00	0.25	PASS
64	5320	13.60	0.00	13.60	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	13.63	0.00	13.63	24.00	0.25	PASS
60	5300	13.90	0.00	13.90	24.00	0.25	PASS
64	5320	14.00	0.00	14.00	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	16.61	24.00	0.25	PASS
60	5300	16.73	24.00	0.25	PASS
64	5320	16.81	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	13.98	0.00	13.98	24.00	0.25	PASS
120	5600	13.90	0.00	13.90	24.00	0.25	PASS
140	5700	13.66	0.00	13.66	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	13.59	0.00	13.59	24.00	0.25	PASS
120	5600	13.83	0.00	13.83	24.00	0.25	PASS
140	5700	13.80	0.00	13.80	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	16.80	24.00	0.25	PASS
120	5600	16.88	24.00	0.25	PASS
140	5700	16.74	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	13.41	0.00	13.41	24.00	0.25	PASS
46	5230	13.65	0.00	13.65	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	13.95	0.00	13.95	24.00	0.25	PASS
46	5230	13.50	0.00	13.50	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	16.70	24.00	0.25	PASS
46	5230	16.59	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	22.71	23.00	0.2	PASS
46	5230	22.60	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

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	13.48	0.00	13.48	24.00	0.25	PASS
62	5310	13.45	0.00	13.45	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	13.88	0.00	13.88	24.00	0.25	PASS
62	5310	13.52	0.00	13.52	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	16.69	24.00	0.25	PASS
62	5310	16.50	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	13.69	0.00	13.69	24.00	0.25	PASS
118	5590	13.67	0.00	13.67	24.00	0.25	PASS
134	5670	13.62	0.00	13.62	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	13.67	0.00	13.67	24.00	0.25	PASS
118	5590	13.81	0.00	13.81	24.00	0.25	PASS
134	5670	13.74	0.00	13.74	24.00	0.25	PASS

UNII-2C_TX N (HT40) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	16.69	24.00	0.25	PASS
118	5590	16.75	24.00	0.25	PASS
134	5670	16.69	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	14.72	0	14.72	30.00	1.00	PASS
157	5785	14.95	0	14.95	30.00	1.00	PASS
165	5825	14.93	0	14.93	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	14.70	0	14.70	30.00	1.00	PASS
157	5785	14.63	0	14.63	30.00	1.00	PASS
165	5825	14.76	0	14.76	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	13.68	0.00	13.68	30.00	1.00	PASS
157	5785	13.71	0.00	13.71	30.00	1.00	PASS
165	5825	13.87	0.00	13.87	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	13.54	0.00	13.54	30.00	1.00	PASS
157	5785	13.79	0.00	13.79	30.00	1.00	PASS
165	5825	13.68	0.00	13.68	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	16.62	30.00	1.00	PASS
157	5785	16.76	30.00	1.00	PASS
165	5825	16.79	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	13.98	0.00	13.98	30.00	1.00	PASS
159	5795	13.76	0.00	13.76	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	13.54	0.00	13.54	30.00	1.00	PASS
159	5795	13.63	0.00	13.63	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	16.78	30.00	1.00	PASS
159	5795	16.71	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	13.96	0.00	13.96	24.00	0.25	PASS
40	5200	13.91	0.00	13.91	24.00	0.25	PASS
48	5240	13.75	0.00	13.75	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	13.83	0.00	13.83	24.00	0.25	PASS
40	5200	13.49	0.00	13.49	24.00	0.25	PASS
48	5240	13.67	0.00	13.67	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	16.91	24.00	0.25	PASS
40	5200	16.72	24.00	0.25	PASS
48	5240	16.72	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	22.92	23.00	0.2	PASS
40	5200	22.73	23.00	0.2	PASS
48	5240	22.73	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

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	13.57	0.00	13.57	24.00	0.25	PASS
60	5300	13.51	0.00	13.51	24.00	0.25	PASS
64	5320	13.87	0.00	13.87	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	13.92	0.00	13.92	24.00	0.25	PASS
60	5300	13.73	0.00	13.73	24.00	0.25	PASS
64	5320	13.85	0.00	13.85	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	16.76	24.00	0.25	PASS
60	5300	16.63	24.00	0.25	PASS
64	5320	16.87	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	13.73	0.00	13.73	24.00	0.25	PASS
120	5600	13.86	0.00	13.86	24.00	0.25	PASS
140	5700	13.58	0.00	13.58	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	13.69	0.00	13.69	24.00	0.25	PASS
120	5600	13.95	0.00	13.95	24.00	0.25	PASS
140	5700	13.68	0.00	13.68	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	16.72	24.00	0.25	PASS
120	5600	16.92	24.00	0.25	PASS
140	5700	16.64	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	13.21	0.00	13.21	24.00	0.25	PASS
46	5230	13.41	0.00	13.41	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	13.44	0.00	13.44	24.00	0.25	PASS
46	5230	13.58	0.00	13.58	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	16.34	24.00	0.25	PASS
46	5230	16.51	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	22.35	23.00	0.2	PASS
46	5230	22.52	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

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	13.34	0.00	13.34	24.00	0.25	PASS
62	5310	13.69	0.00	13.69	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	13.46	0.00	13.46	24.00	0.25	PASS
62	5310	13.61	0.00	13.61	24.00	0.25	PASS

UNII-2A_TX AC (VHT40) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	16.41	24.00	0.25	PASS
62	5310	16.66	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	13.68	0.00	13.68	24.00	0.25	PASS
118	5590	13.50	0.00	13.50	24.00	0.25	PASS
134	5670	13.58	0.00	13.58	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	13.88	0.00	13.88	24.00	0.25	PASS
118	5590	13.82	0.00	13.82	24.00	0.25	PASS
134	5670	13.71	0.00	13.71	24.00	0.25	PASS

UNII-2C_TX AC (VHT40) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	16.79	24.00	0.25	PASS
118	5590	16.67	24.00	0.25	PASS
134	5670	16.66	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	13.87	0.00	13.87	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	13.35	0.00	13.35	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	16.63	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	22.64	23.00	0.2	PASS

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

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	13.93	0.00	13.93	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	13.39	0.00	13.39	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	16.68	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	13.39	0.00	13.39	24.00	0.25	PASS
122	5610	13.81	0.00	13.81	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	13.53	0.00	13.53	24.00	0.25	PASS
122	5610	13.66	0.00	13.66	24.00	0.25	PASS

UNII-2C_TX AC (VHT80) Mode_Total For FCC					
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	16.47	24.00	0.25	PASS
122	5610	16.75	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	13.52	0.00	13.52	30.00	1.00	PASS
157	5785	13.61	0.00	13.61	30.00	1.00	PASS
165	5825	13.59	0.00	13.59	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	13.94	0.00	13.94	30.00	1.00	PASS
157	5785	13.76	0.00	13.76	30.00	1.00	PASS
165	5825	13.52	0.00	13.52	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	16.75	30.00	1.00	PASS
157	5785	16.70	30.00	1.00	PASS
165	5825	16.57	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	13.70	0.00	13.70	30.00	1.00	PASS
159	5795	13.46	0.00	13.46	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	13.98	0.00	13.98	30.00	1.00	PASS
159	5795	13.63	0.00	13.63	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	16.85	30.00	1.00	PASS
159	5795	16.56	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	13.87	0.00	13.87	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	13.67	0.00	13.67	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	16.78	30.00	1.00	PASS

8POWER SPECTRAL DENSITY TEST

8.1LIMIT

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

8.2TEST PROCEDURE ANS 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:

1.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.

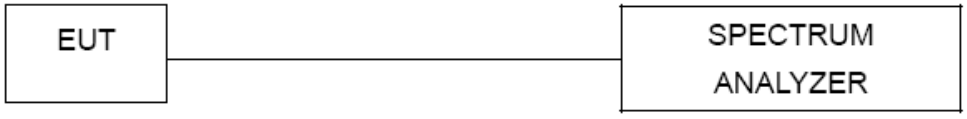
2.The value measured with RBW=1MHz is to be added with 10log(500kHz/1MHz) which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

3. EIRP Power Spectral Density = Power Spectral Density+Antenna Gain
MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

8.3MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	2022/05/23
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A
3	RF Cable	Mi-cable	C10-01-01-1	100309	N/A

8.4TEST SETUP



8.5EUT OPERATION CONDITIONS

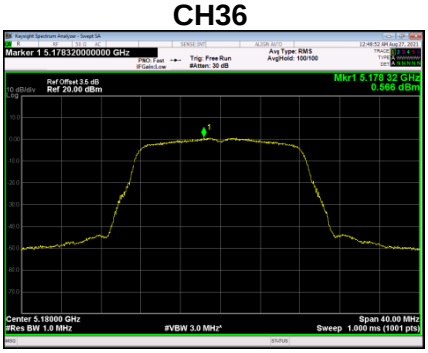
The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

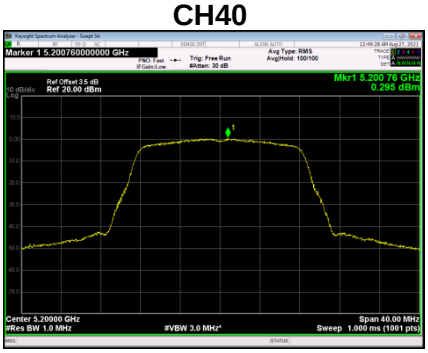
UNII-1_TX A Mode_Ant 1 For FCC						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	0.566	0.00	0.566	11.00	PASS
40	5200	0.295	0.00	0.295	11.00	PASS
48	5240	0.551	0.00	0.551	11.00	PASS

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	3.566	0.00	3.566	10.00	PASS
40	5200	3.295	0.00	3.295	10.00	PASS
48	5240	3.551	0.00	3.551	10.00	PASS

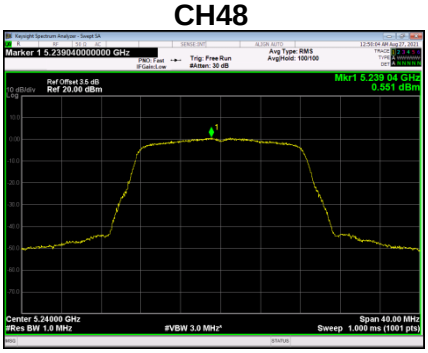
CH36



CH40



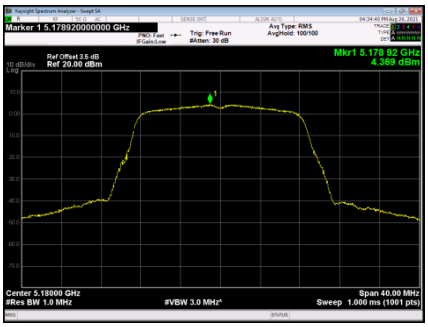
CH48



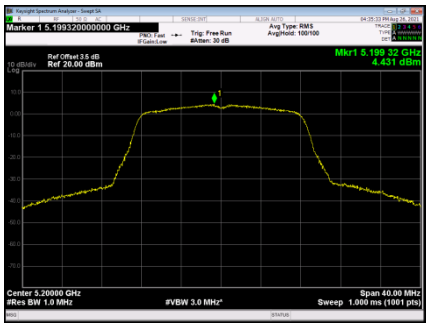
UNII-1_TX A Mode_Ant2 For FCC						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	4.369	0.00	4.369	11.00	PASS
40	5200	4.431	0.00	4.431	11.00	PASS
48	5240	4.262	0.00	4.262	11.00	PASS

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	7.369	0.00	7.369	10.00	PASS
40	5200	7.431	0.00	7.431	10.00	PASS
48	5240	7.262	0.00	7.262	10.00	PASS

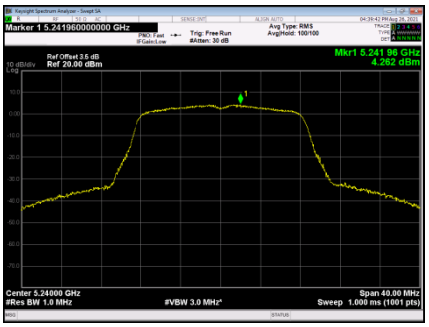
CH36



CH40

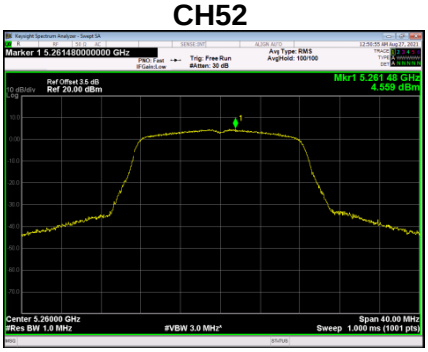


CH48

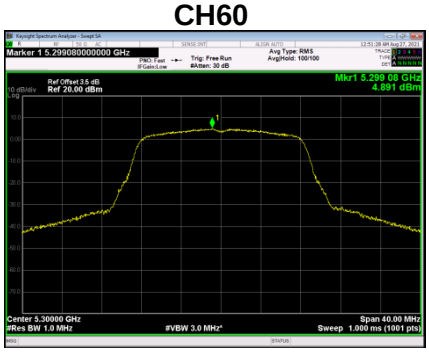


UNII-2A_TX A Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	4.559	0.00	4.559	11.00	PASS
60	5300	4.891	0.00	4.891	11.00	PASS
64	5320	5.072	0.00	5.072	11.00	PASS

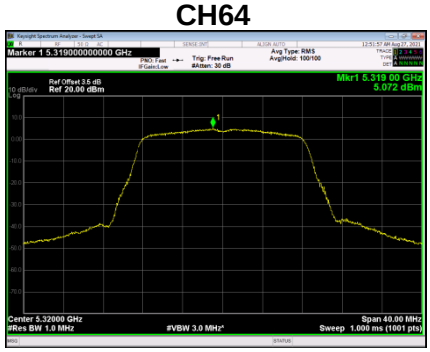
CH52



CH60

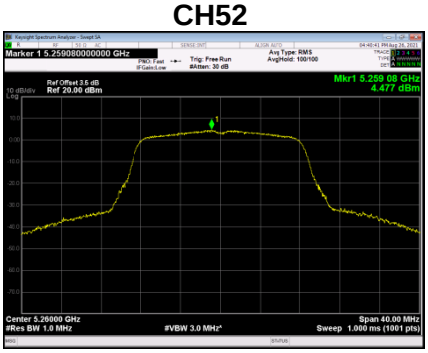


CH64



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	4.477	0.00	4.477	11.00	PASS
60	5300	4.412	0.00	4.412	11.00	PASS
64	5320	4.196	0.00	4.196	11.00	PASS

CH52



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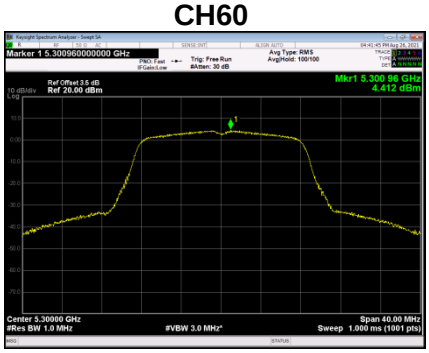
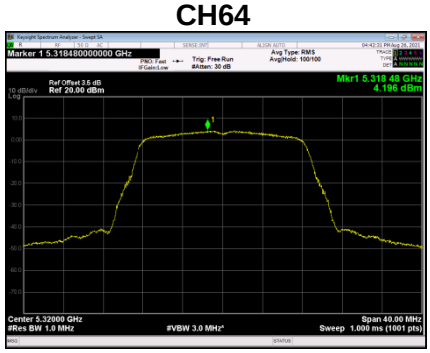
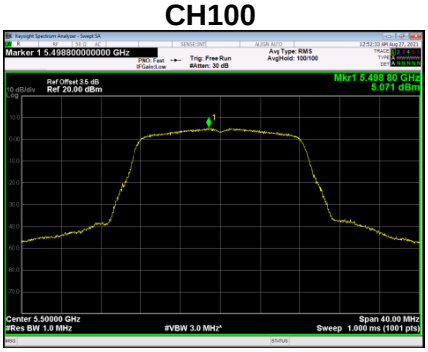


CH64

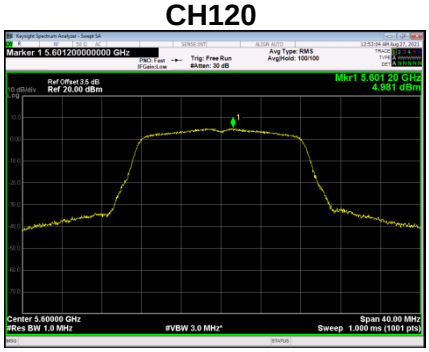


UNII-2C_TX A Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	5.071	0.00	5.071	11.00	PASS
120	5600	4.981	0.00	4.981	11.00	PASS
140	5700	5.035	0.00	5.035	11.00	PASS

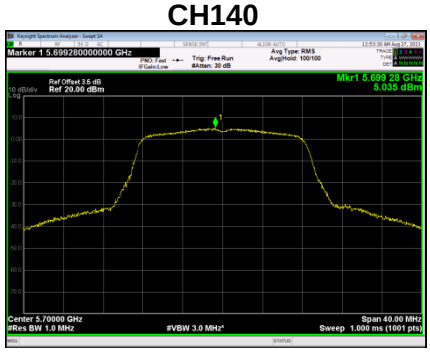
CH100



CH120

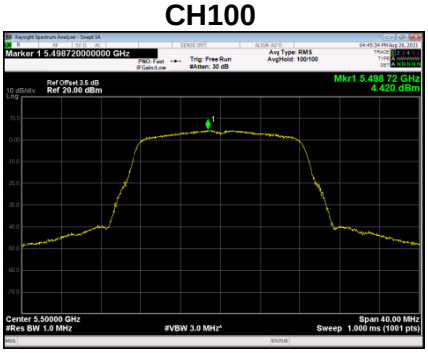


CH140

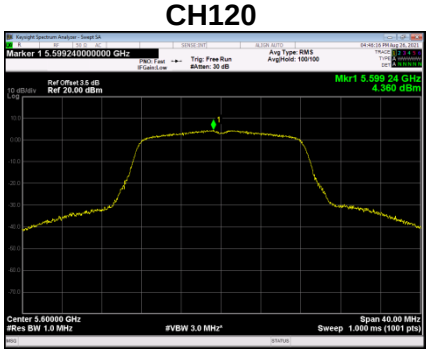


UNII-2C_TX A Mode_Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	4.420	0.00	4.420	11.00	PASS
120	5600	4.360	0.00	4.360	11.00	PASS
140	5700	4.525	0.00	4.525	11.00	PASS

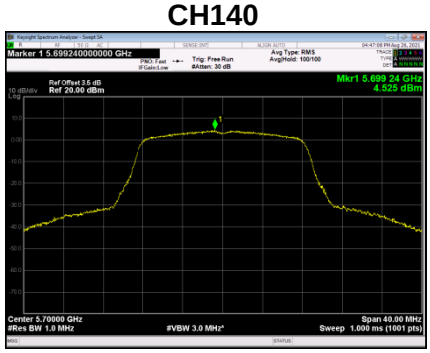
CH100



CH120

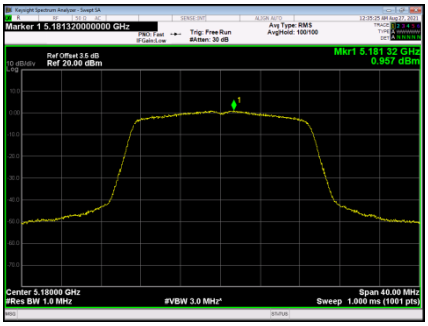


CH140

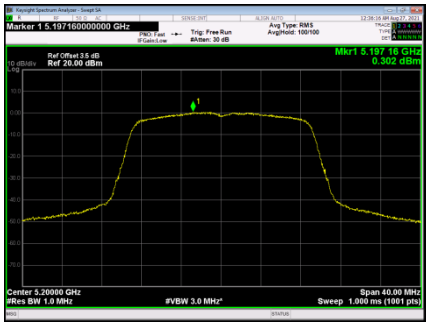


UNII-1_TX N (HT20) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	0.957	0.00	0.957	11.00	PASS
40	5200	0.302	0.00	0.302	11.00	PASS
48	5240	0.521	0.00	0.521	11.00	PASS

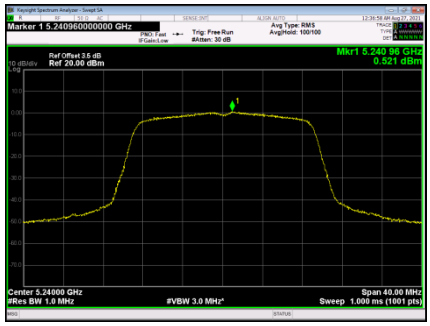
CH36



CH40

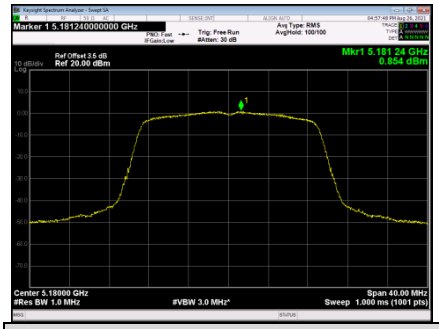


CH48

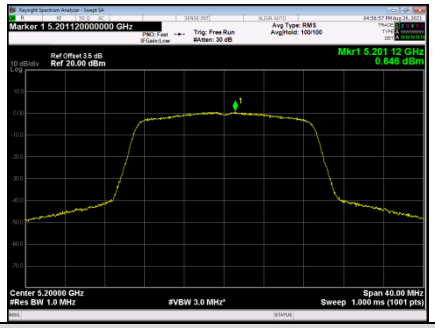


UNII-1_TX N (HT20) Mode_Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	0.854	0.00	0.854	11.00	PASS
40	5200	0.646	0.00	0.646	11.00	PASS
48	5240	0.809	0.00	0.809	11.00	PASS

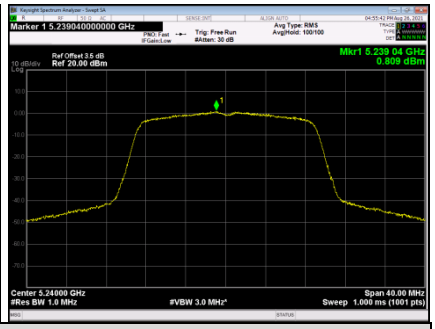
CH36



CH40



CH48

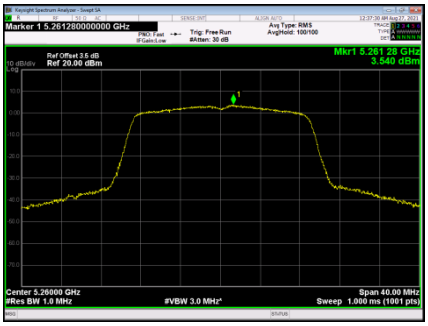


UNII-1_TX N (HT20) Mode_Total For FCC				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	3.92	11.00	PASS
40	5200	3.49	11.00	PASS
48	5240	3.68	11.00	PASS

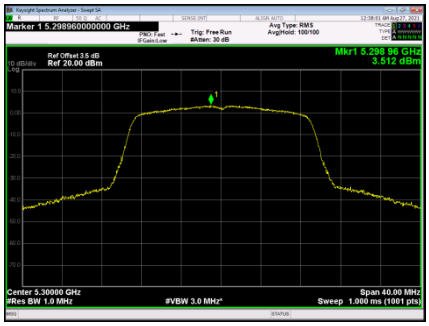
UNII-1_TX N (HT20) Mode_Total For IC				
Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.93	10.00	PASS
40	5200	9.50	10.00	PASS
48	5240	9.69	10.00	PASS

UNII-2A_TX N (HT20) 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	3.540	0.00	3.540	11.00	PASS
60	5300	3.512	0.00	3.512	11.00	PASS
64	5320	3.367	0.00	3.367	11.00	PASS

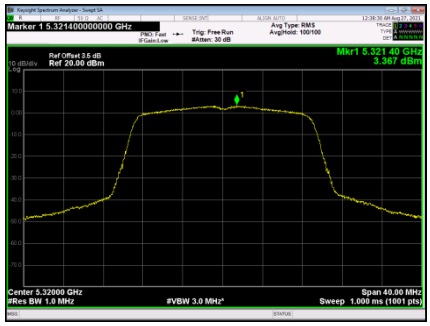
CH52



CH60

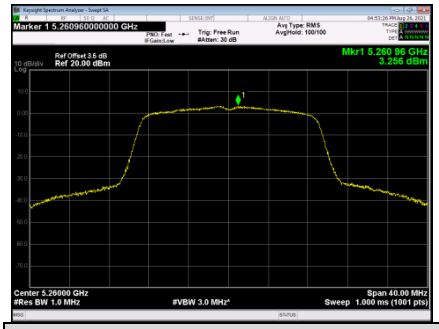


CH64

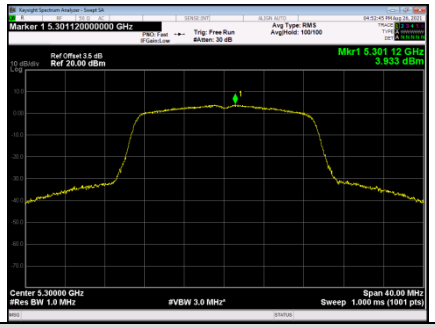


UNII-2A_TX N (HT20) Mode_Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	3.526	0.00	3.526	11.00	PASS
60	5300	3.933	0.00	3.933	11.00	PASS
64	5320	3.779	0.00	3.779	11.00	PASS

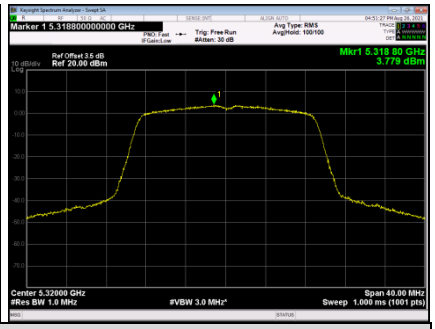
CH52



CH60



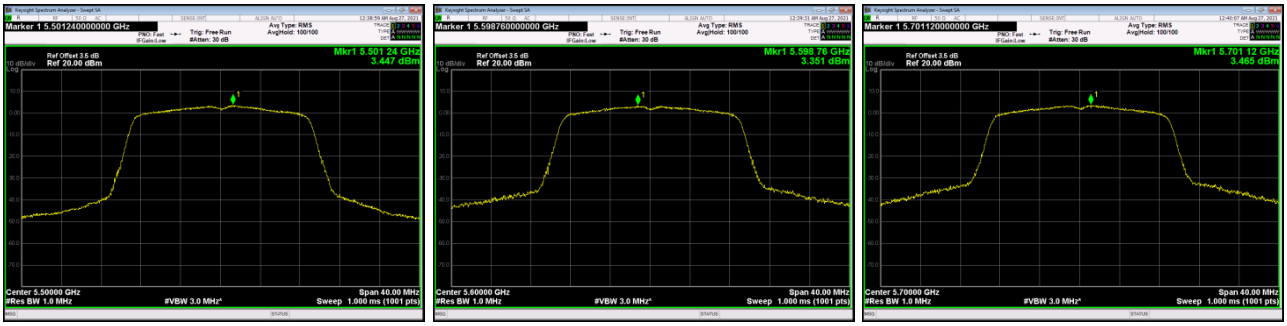
CH64



UNII-2A_TX N (HT20) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	6.54	11.00	PASS
60	5300	6.74	11.00	PASS
64	5320	6.59	11.00	PASS

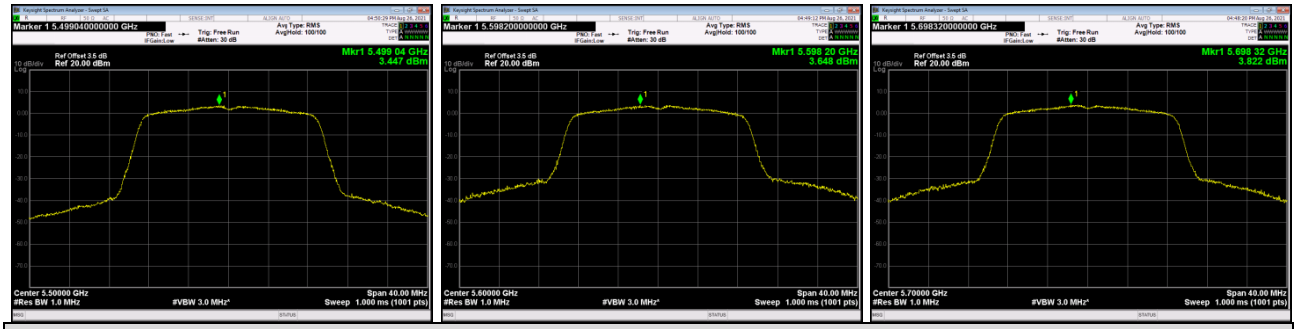
UNII-2C_TX N (HT20) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	3.447	0.00	3.447	11.00	PASS
120	5600	3.351	0.00	3.351	11.00	PASS
140	5700	3.465	0.00	3.465	11.00	PASS

CH100 **CH120** **CH140**



UNII-2C_TX N (HT20) 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
100	5500	3.447	0.00	3.447	11.00	PASS
120	5600	3.648	0.00	3.648	11.00	PASS
140	5700	3.822	0.00	3.822	11.00	PASS

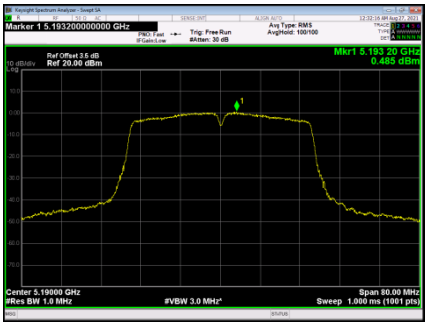
CH100 **CH120** **CH140**



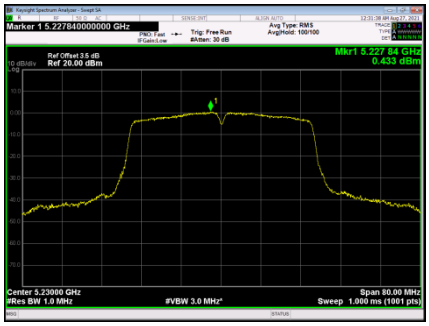
UNII-2C_TX N (HT20) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	6.46	11.00	PASS
120	5600	6.51	11.00	PASS
140	5700	6.66	11.00	PASS

UNII-1_TX N (HT40) 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
38	5190	0.485	0.00	0.485	11.00	PASS
46	5230	0.433	0.00	0.433	11.00	PASS

CH38

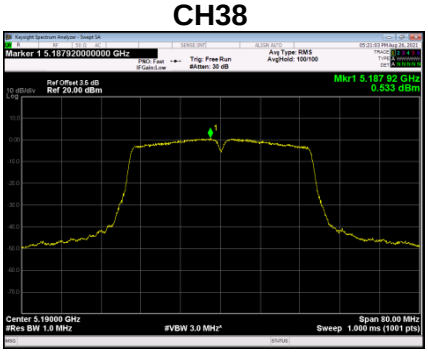


CH46

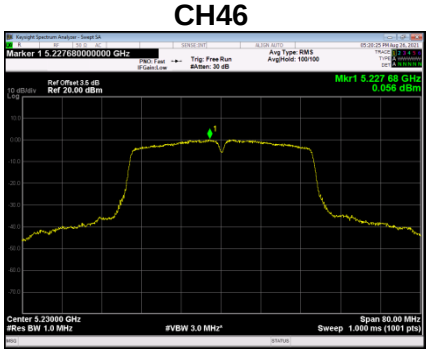


UNII-1_TX N (HT40) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	0.533	0.00	0.533	11.00	PASS
46	5230	0.056	0.00	0.056	11.00	PASS

CH38



CH46

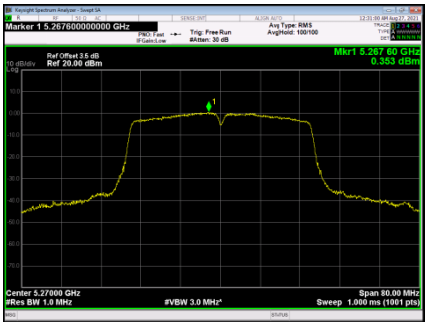


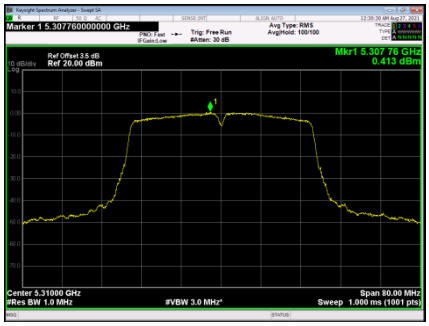
UNII-1_TX N (HT40) Mode _Total For FCC				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	3.52	11.00	PASS
46	5230	3.26	11.00	PASS

UNII-1_TX N (HT40) Mode _Total For IC				
Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	9.53	10.00	PASS
46	5230	9.27	10.00	PASS

UNII-2A_TX N (HT40) 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
54	5270	0.353	0.00	0.353	11.00	PASS
62	5310	0.413	0.00	0.413	11.00	PASS

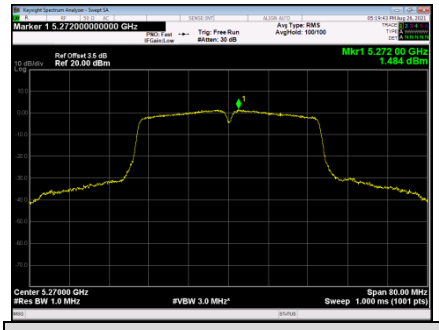
CH54 **CH62**

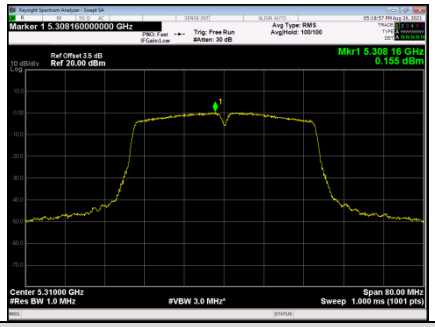




UNII-2A_TX N (HT40) Mode _Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	1.484	0.00	1.484	11.00	PASS
62	5310	0.155	0.00	0.155	11.00	PASS

CH54 **CH62**

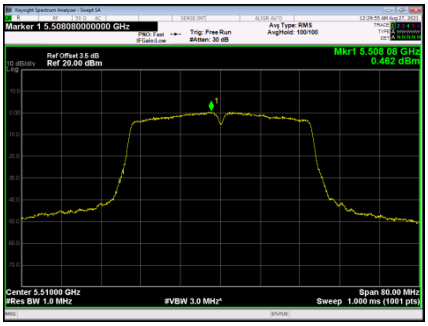


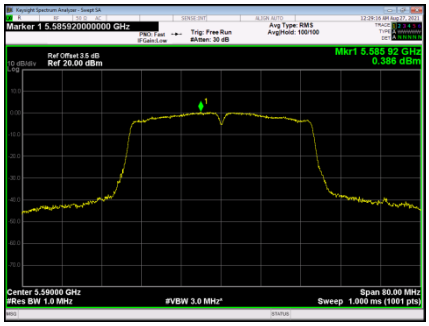


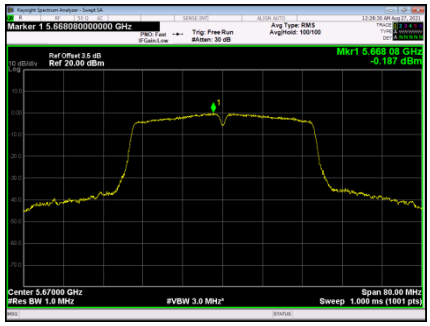
UNII-2A_TX N (HT40) Mode _Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	3.97	11.00	PASS
62	5310	3.30	11.00	PASS

UNII-2C_TX N (HT40) 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
102	5510	0.462	0.00	0.462	11.00	PASS
118	5590	0.386	0.00	0.386	11.00	PASS
134	5670	-0.187	0.00	-0.187	11.00	PASS

CH102 **CH118** **CH134**

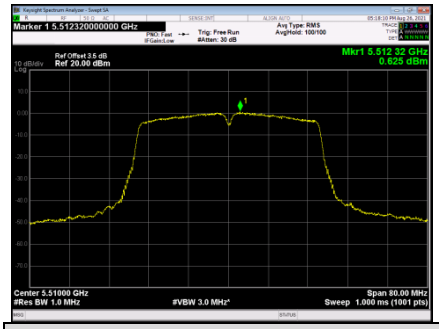


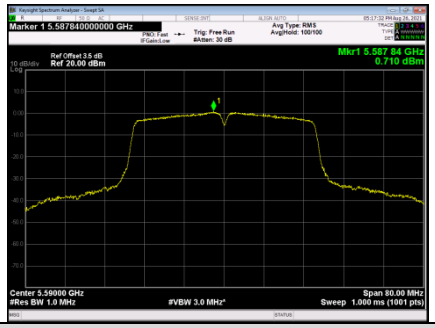


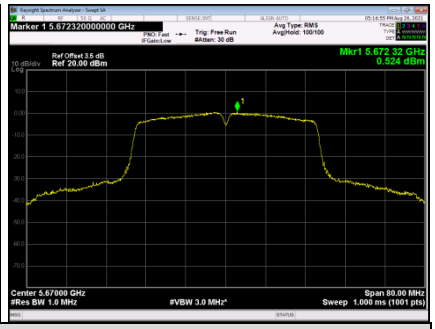


UNII-2C_TX N (HT40) Mode _Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	0.625	0.00	0.625	11.00	PASS
118	5590	0.710	0.00	0.710	11.00	PASS
134	5670	0.524	0.00	0.524	11.00	PASS

CH102 **CH118** **CH134**



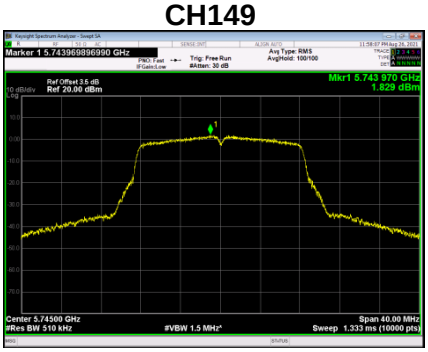




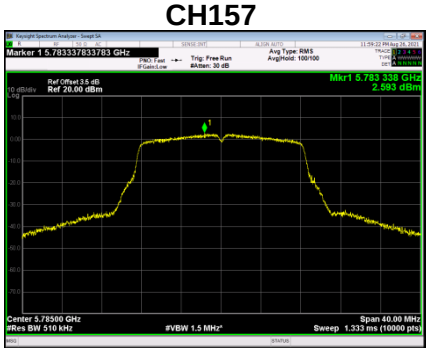
UNII-2C_TX N (HT40) Mode _Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	3.55	11.00	PASS
118	5590	3.56	11.00	PASS
134	5670	3.19	11.00	PASS

UNII-3_TX A Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	1.829	0.00	1.829	30.00	PASS
157	5785	2.593	0.00	2.593	30.00	PASS
165	5825	2.658	0.00	2.658	30.00	PASS

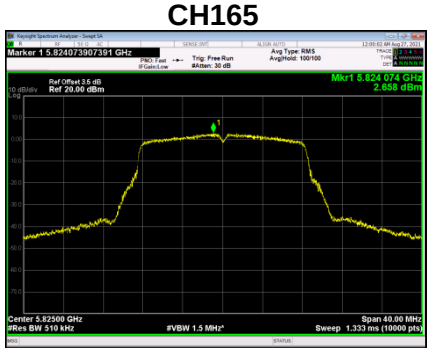
CH149



CH157

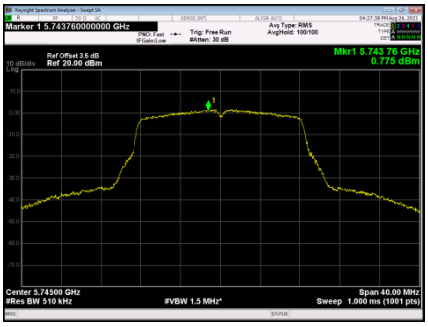


CH165

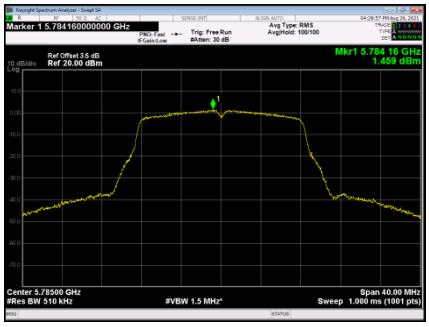


UNII-3_TX A Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	0.775	0.00	0.775	30.00	PASS
157	5785	1.459	0.00	1.459	30.00	PASS
165	5825	1.943	0.00	1.943	30.00	PASS

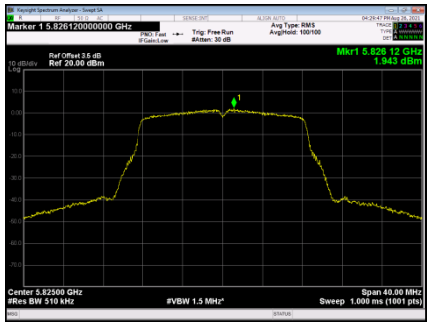
CH149



CH157

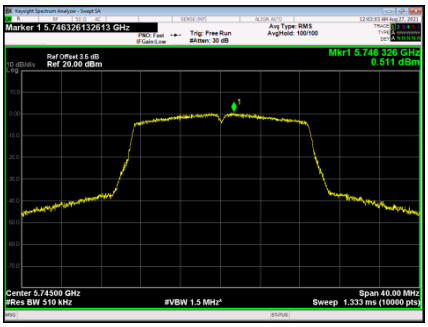


CH165

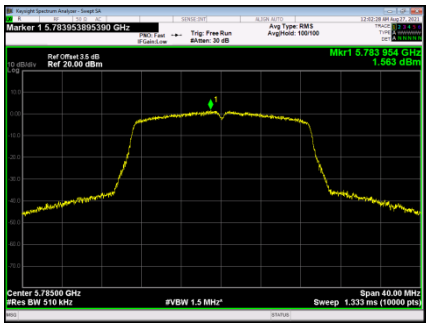


UNII-3_TX N (HT20) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	0.511	0.00	0.511	30.00	PASS
157	5785	1.563	0.00	1.563	30.00	PASS
165	5825	1.427	0.00	1.427	30.00	PASS

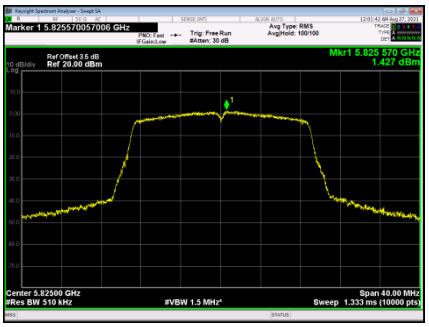
CH149



CH157

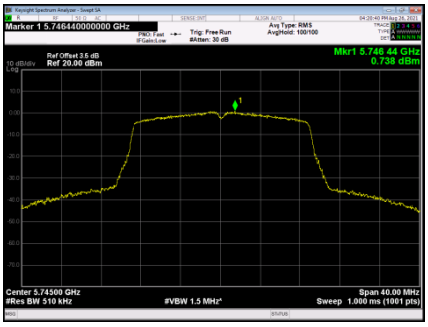


CH165

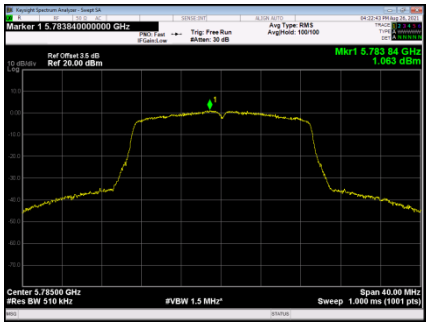


UNII-3_TX N (HT20) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	0.738	0.00	0.738	30.00	PASS
157	5785	1.063	0.00	1.063	30.00	PASS
165	5825	0.602	0.00	0.602	30.00	PASS

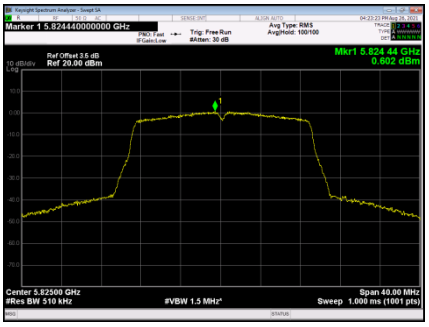
CH149



CH157



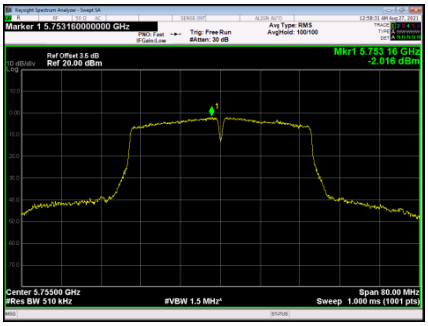
CH165



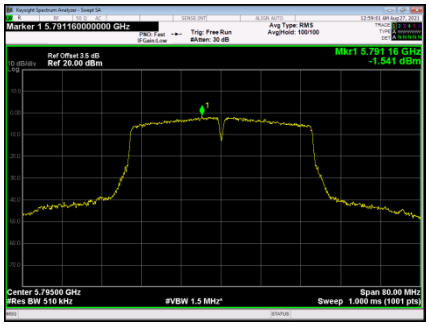
UNII-3_TX N (HT20) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	3.64	30.00	PASS
157	5785	4.33	30.00	PASS
165	5825	4.04	30.00	PASS

UNII-3_TX N (HT40) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-2.016	0.00	-2.016	30.00	PASS
159	5795	-1.541	0.00	-1.541	30.00	PASS

CH151

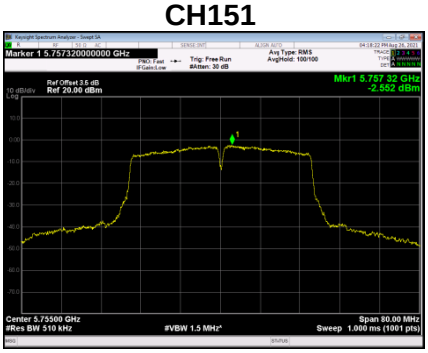


CH159

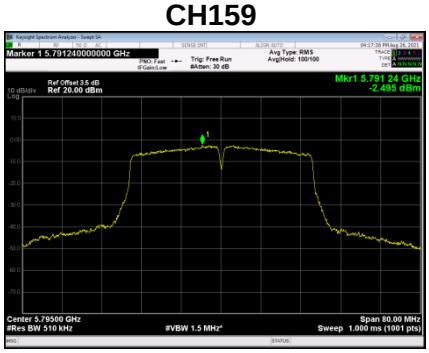


UNII-3_TX N (HT40) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-2.552	0.00	-2.552	30.00	PASS
159	5795	-2.495	0.00	-2.495	30.00	PASS

CH151



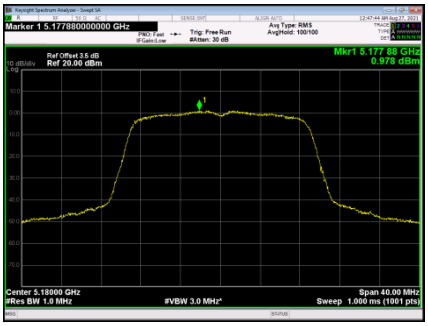
CH159



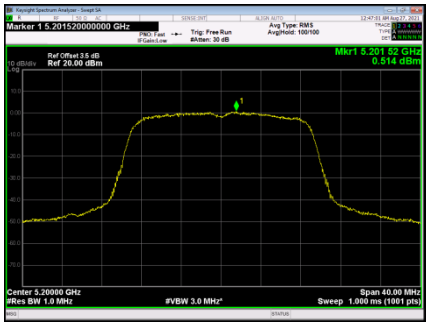
UNII-3_TX N (HT40) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	0.73	30.00	PASS
159	5795	1.02	30.00	PASS

UNII-1_TX AC (VHT20) 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
36	5180	0.978	0.00	0.978	11.00	PASS
40	5200	0.514	0.00	0.514	11.00	PASS
48	5240	0.441	0.00	0.441	11.00	PASS

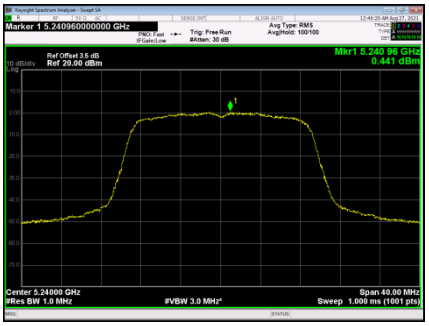
CH36



CH40

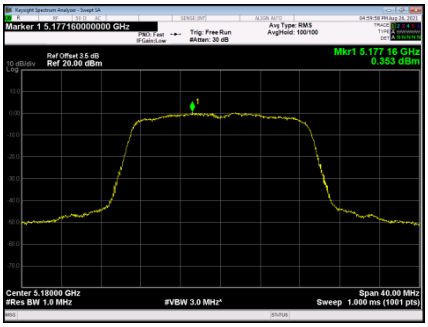


CH48

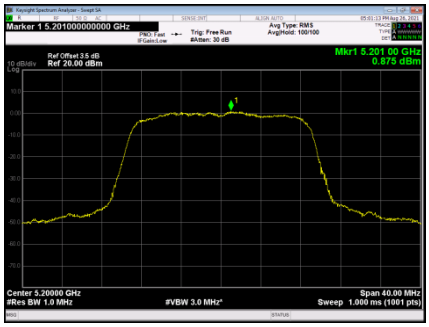


UNII-1_TX AC (VHT20) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	0.353	0.00	0.353	11.00	PASS
40	5200	0.875	0.00	0.875	11.00	PASS
48	5240	0.817	0.00	0.817	11.00	PASS

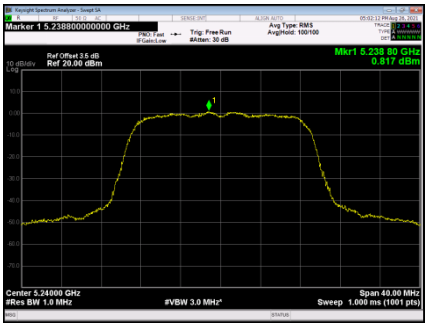
CH36



CH40



CH48

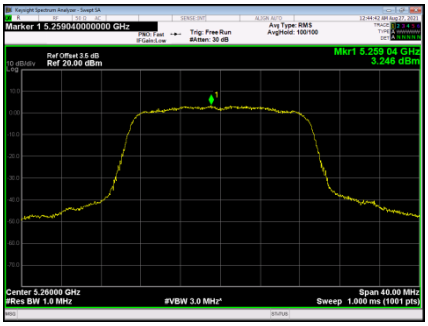


UNII-1_TX AC (VHT20) Mode_Total For FCC				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	3.69	11.00	PASS
40	5200	3.71	11.00	PASS
48	5240	3.64	11.00	PASS

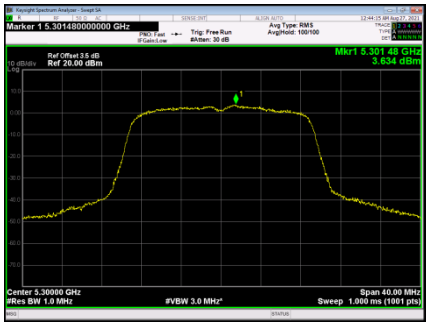
UNII-1_TX AC (VHT20) Mode_Total For IC				
Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.70	10.00	PASS
40	5200	9.72	10.00	PASS
48	5240	9.65	10.00	PASS

UNII-2A_TX AC (VHT20) 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	3.246	0.00	3.246	11.00	PASS
60	5300	3.634	0.00	3.634	11.00	PASS
64	5320	4.095	0.00	4.095	11.00	PASS

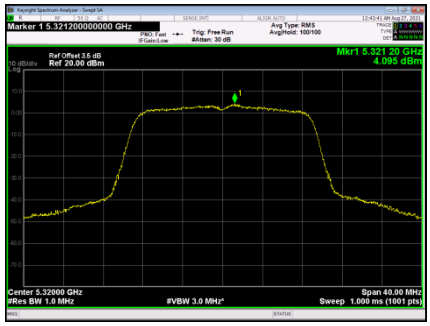
CH52



CH60

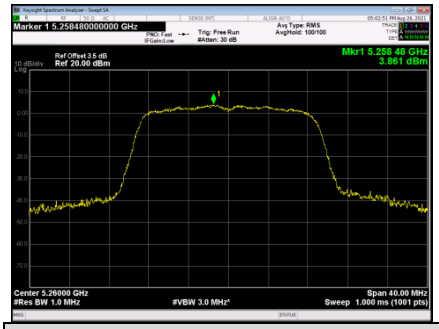


CH64

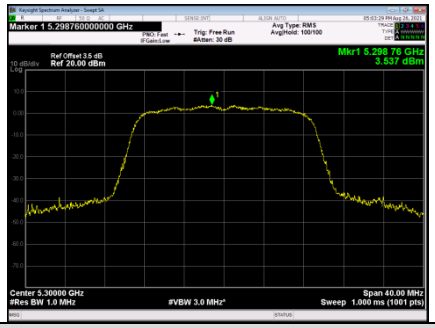


UNII-2A_TX AC (VHT20) Mode _Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	3.861	0.00	3.861	11.00	PASS
60	5300	3.537	0.00	3.537	11.00	PASS
64	5320	3.788	0.00	3.788	11.00	PASS

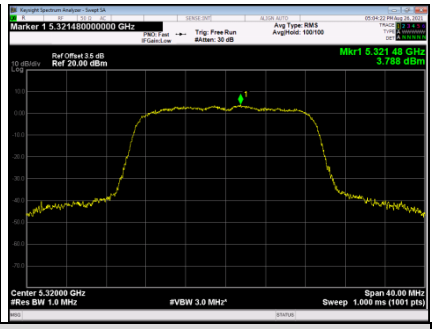
CH52



CH60



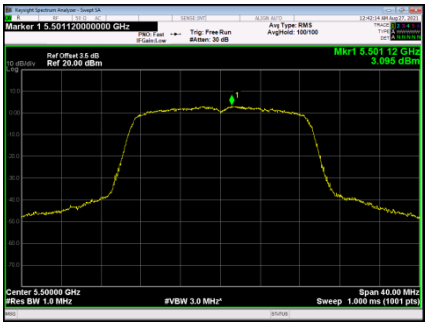
CH64



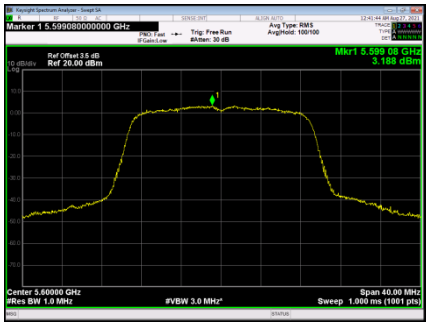
UNII-2A_TX AC (VHT20) Mode _Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	6.57	11.00	PASS
60	5300	6.60	11.00	PASS
64	5320	6.95	11.00	PASS

UNII-2C_TX AC (VHT20) 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
100	5500	3.095	0.00	3.095	11.00	PASS
120	5600	3.188	0.00	3.188	11.00	PASS
140	5700	3.494	0.00	3.494	11.00	PASS

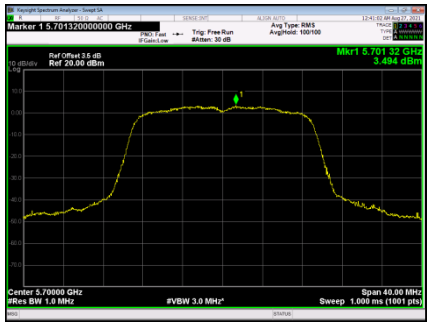
CH100



CH120

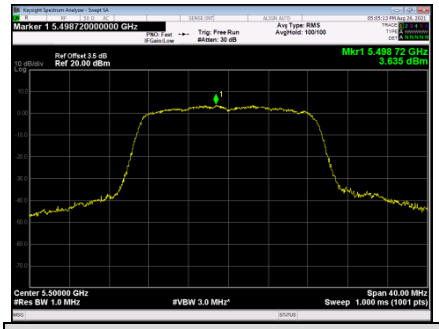


CH140

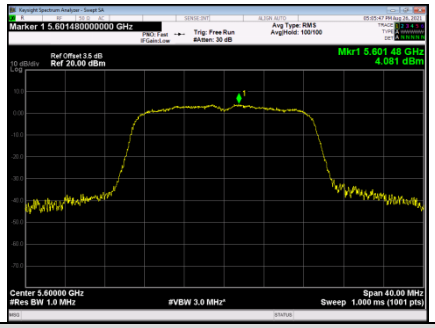


UNII-2C_TX AC (VHT20) Mode_Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	3.635	0.00	3.635	11.00	PASS
120	5600	4.081	0.00	4.081	11.00	PASS
140	5700	3.721	0.00	3.721	11.00	PASS

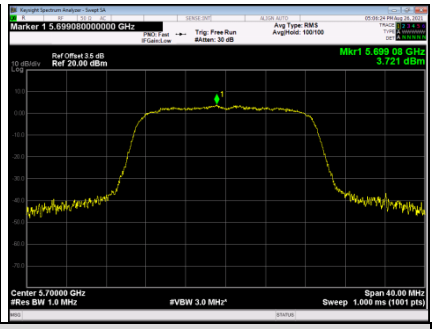
CH100



CH120



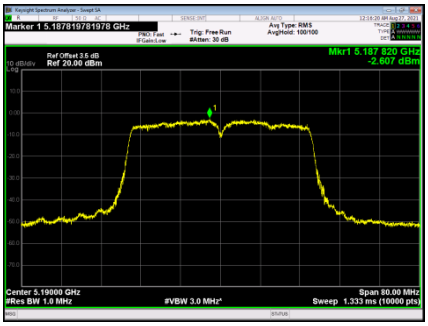
CH140



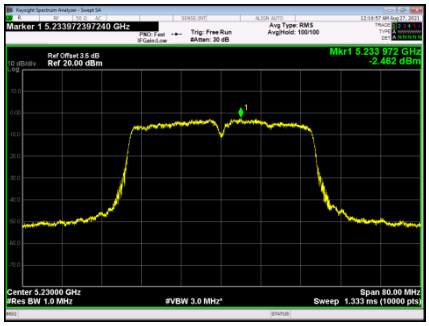
UNII-2C_TX AC (VHT20) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	6.38	11.00	PASS
120	5600	6.67	11.00	PASS
140	5700	6.62	11.00	PASS

UNII-1_TX AC (VHT40) 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
38	5190	-2.607	0.00	-2.607	11.00	PASS
46	5230	-2.462	0.00	-2.462	11.00	PASS

CH38

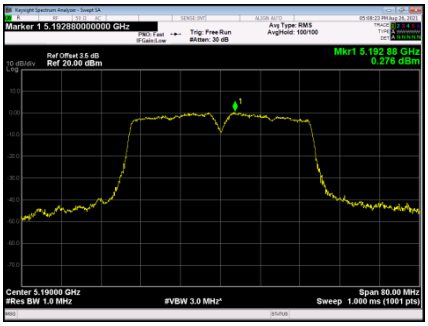


CH46

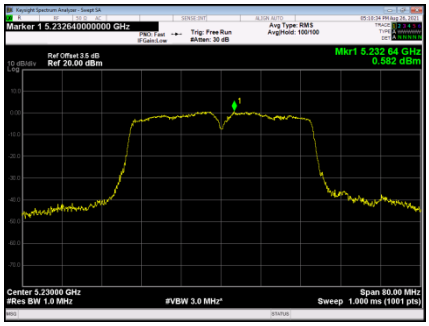


UNII-1_TX AC (VHT40) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	0.276	0.00	0.276	11.00	PASS
46	5230	0.582	0.00	0.582	11.00	PASS

CH38



CH46

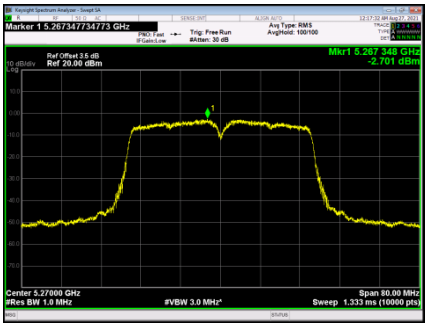


UNII-1_TX AC (VHT40) Mode_Total For FCC				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	2.08	11.00	PASS
46	5230	2.33	11.00	PASS

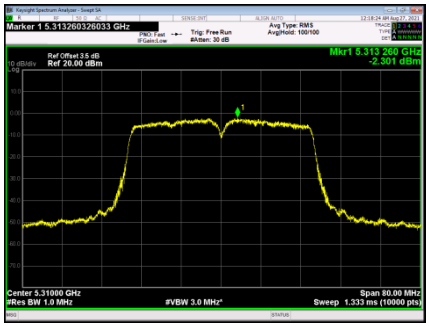
UNII-1_TX AC (VHT40) Mode_Total For IC				
Channel	Frequency (MHz)	EIRP Power Spectral Density(dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	8.09	10.00	PASS
46	5230	8.34	10.00	PASS

UNII-2A_TX AC (VHT40) 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
54	5270	-2.701	0.00	-2.701	11.00	PASS
62	5310	-2.301	0.00	-2.301	11.00	PASS

CH54

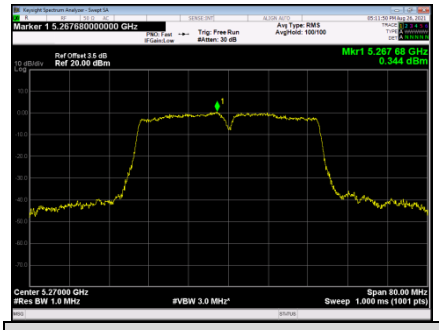


CH62

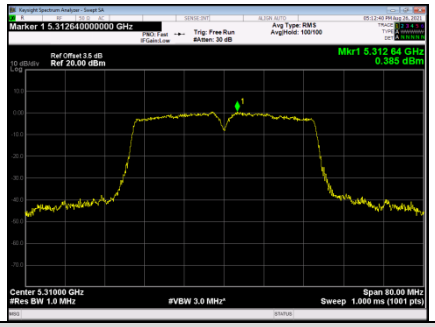


UNII-2A_TX AC (VHT40) Mode _Ant 2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	0.344	0.00	0.344	11.00	PASS
62	5310	0.385	0.00	0.385	11.00	PASS

CH54



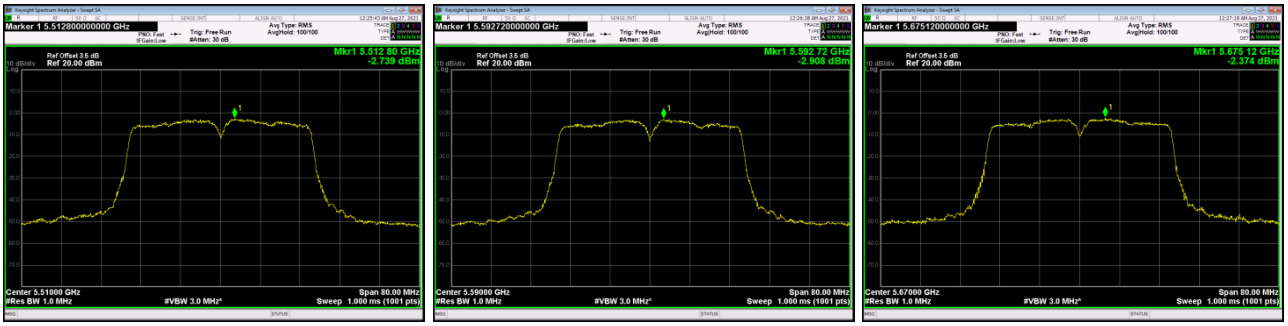
CH62



UNII-2A_TX AC (VHT40) Mode _Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	2.09	11.00	PASS
62	5310	2.26	11.00	PASS

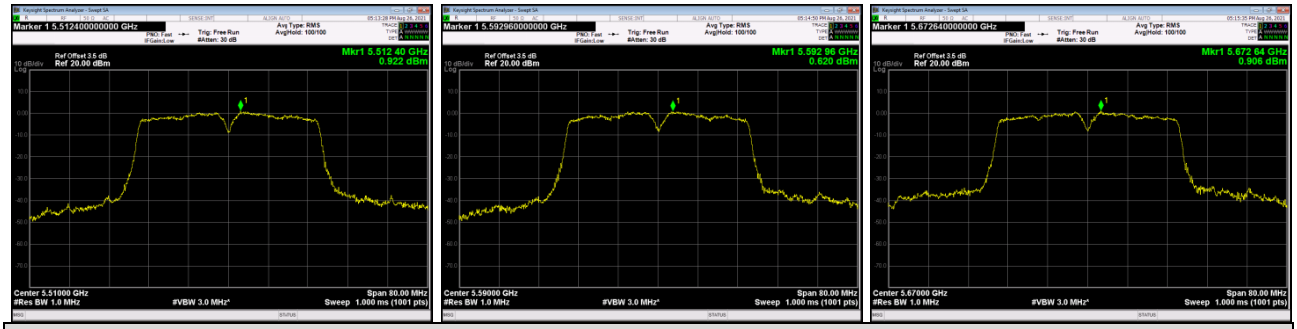
UNII-2C_TX AC (VHT40) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-2.739	0.00	-2.739	11.00	PASS
118	5590	-2.908	0.00	-2.908	11.00	PASS
134	5670	-2.374	0.00	-2.374	11.00	PASS

CH102 **CH118** **CH134**



UNII-2C_TX AC (VHT40) 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
102	5510	0.922	0.00	0.922	11.00	PASS
118	5590	0.620	0.00	0.620	11.00	PASS
134	5670	0.906	0.00	0.906	11.00	PASS

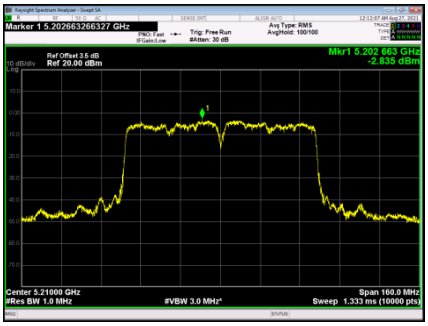
CH102 **CH118** **CH134**



UNII-2C_TX AC (VHT40) Mode _Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	2.48	11.00	PASS
118	5590	2.22	11.00	PASS
134	5670	2.58	11.00	PASS

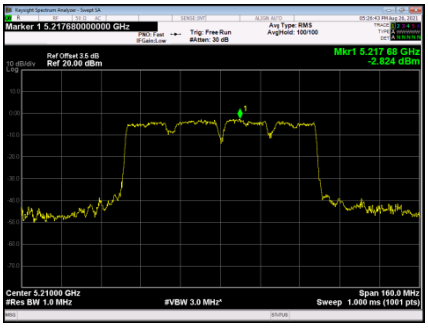
UNII-1_TX AC (VHT80) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-2.835	0.00	-2.835	11.00	PASS

CH42



UNII-1_TX AC (VHT80) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-2.824	0.00	-2.824	11.00	PASS

CH42

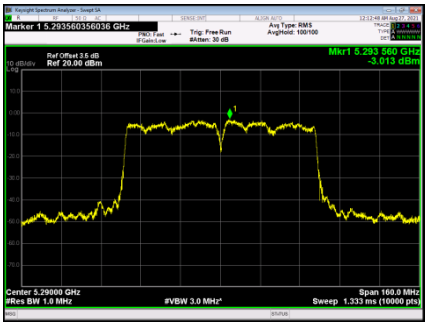


UNII-1_TX AC (VHT80) Mode_Total For FCC				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	0.18	11.00	PASS

UNII-1_TX AC (VHT80) Mode_Total For IC				
Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	6.19	10.00	PASS

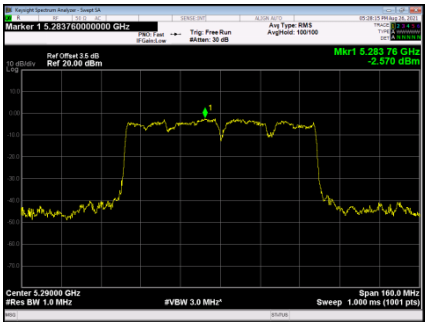
UNII-2A_TX AC (VHT80) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	-3.013	0.00	-3.013	11.00	PASS

CH58



UNII-2A_TX AC (VHT80) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	-2.570	0.00	-2.570	11.00	PASS

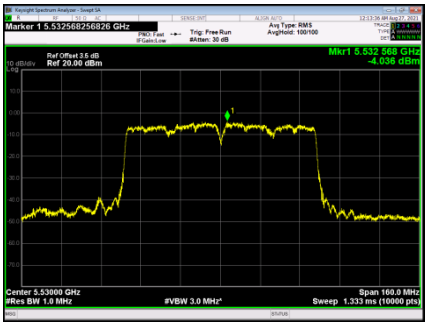
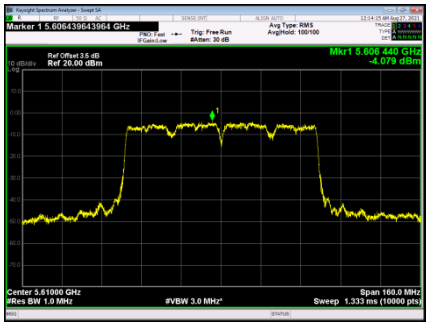
CH58



UNII-2A_TX AC (VHT80) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	0.22	11.00	PASS

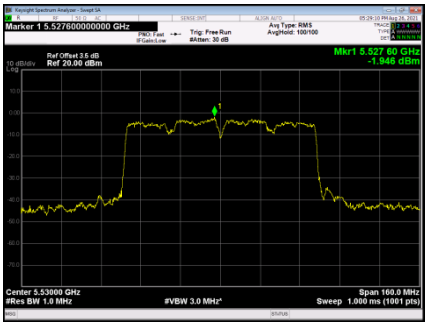
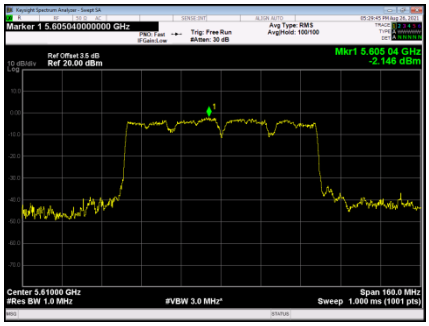
UNII-2C_TX AC (VHT80) Mode_Ant 1						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-4.036	0.00		11.00	PASS
122	5610	-4.079	0.00		11.00	PASS

CH106 **CH122**

UNII-2C_TX AC (VHT80) Mode_Ant2						
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-1.946	0.00	-1.946	11.00	PASS
122	5610	-2.146	0.00	-2.146	11.00	PASS

CH106 **CH122**

UNII-2C_TX AC (VHT80) Mode_Total				
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	0.14	11.00	PASS
122	5610	0.00	11.00	PASS