

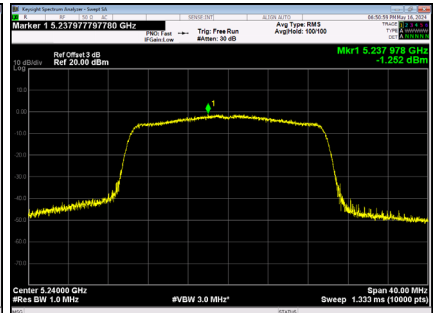
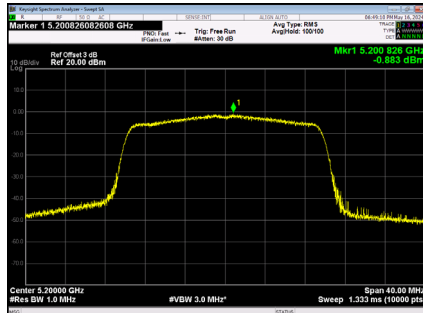
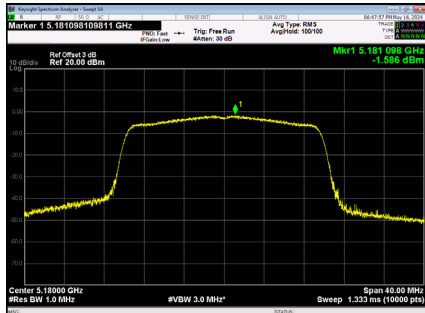
UNII-1_TX AX (HE20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.588	0.00	-1.588	11.00	PASS
40	5200	-0.883	0.00	-0.883	11.00	PASS
48	5240	-1.252	0.00	-1.252	11.00	PASS

CH36

CH40

CH48



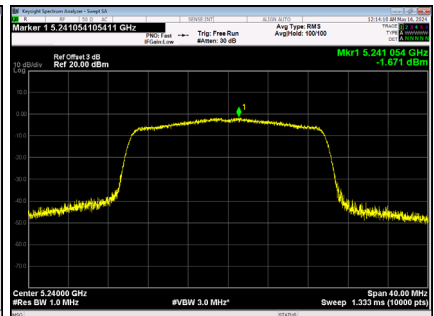
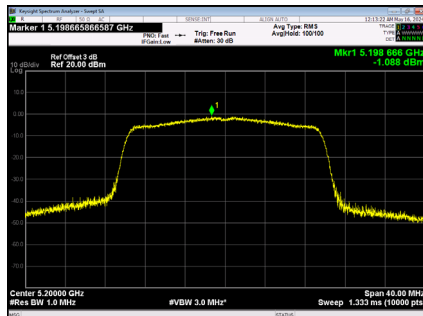
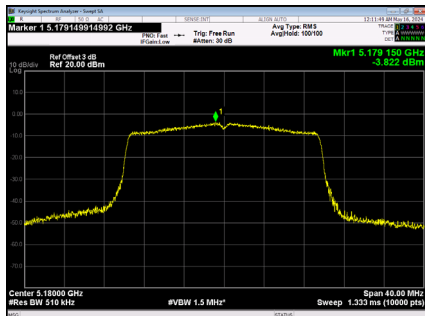
UNII-1_TX AX (HE20) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-3.822	0.00	-3.822	11.00	PASS
40	5200	-1.088	0.00	-1.088	11.00	PASS
48	5240	-1.671	0.00	-1.671	11.00	PASS

CH36

CH40

CH48



UNII-1_TX AX (HE20) Mode_Total For FCC

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	0.447	11.00	PASS
40	5200	2.026	11.00	PASS
48	5240	1.554	11.00	PASS

UNII-1_TX AX (HE20) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	3.327	10.00	PASS
40	5200	4.906	10.00	PASS
48	5240	4.434	10.00	PASS

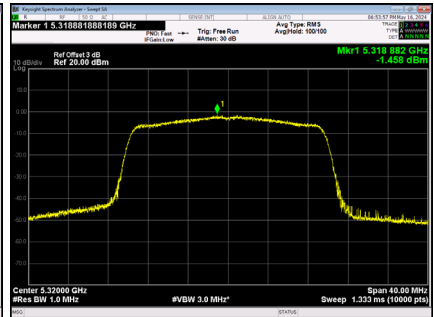
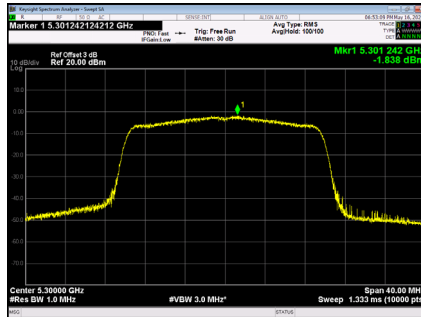
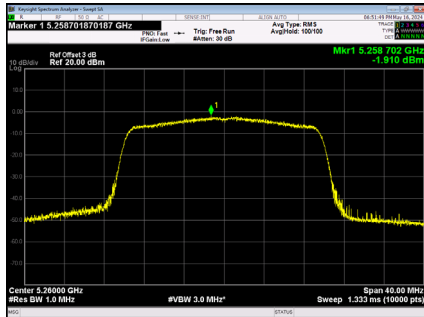
UNII-2A_TX AX (HE20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-1.910	0.00	-1.910	11.00	PASS
60	5300	-1.838	0.00	-1.838	11.00	PASS
64	5320	-1.458	0.00	-1.458	11.00	PASS

CH52

CH60

CH64



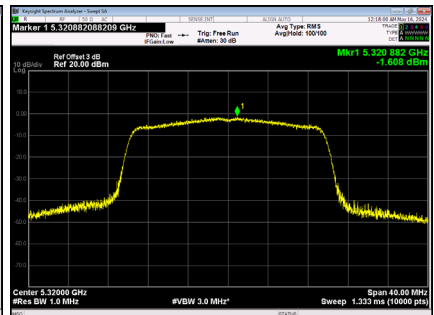
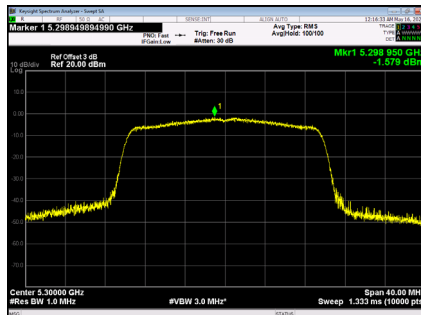
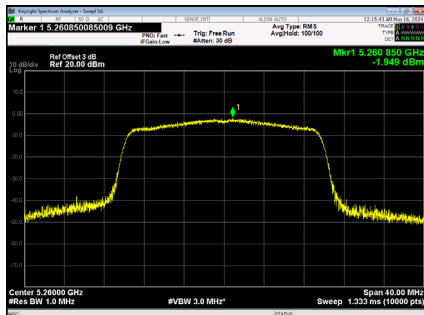
UNII-2A_TX AX (HE20) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-1.949	0.00	-1.949	11.00	PASS
60	5300	-1.579	0.00	-1.579	11.00	PASS
64	5320	-1.608	0.00	-1.608	11.00	PASS

CH52

CH60

CH64



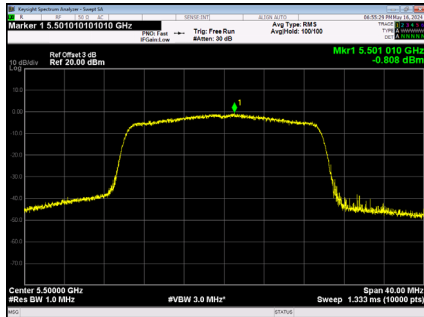
UNII-2A_TX AX (HE20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	1.081	11.00	PASS
60	5300	1.304	11.00	PASS
64	5320	1.478	11.00	PASS

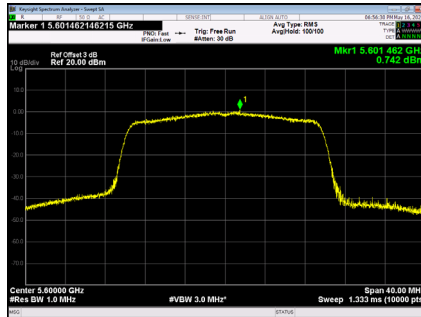
UNII-2C_TX AX (HE20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	-0.808	0.00	-0.808	11.00	PASS
120	5600	0.742	0.00	0.742	11.00	PASS
140	5700	-0.873	0.00	-0.873	11.00	PASS

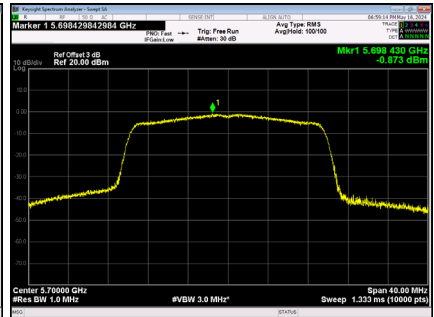
CH100



CH120



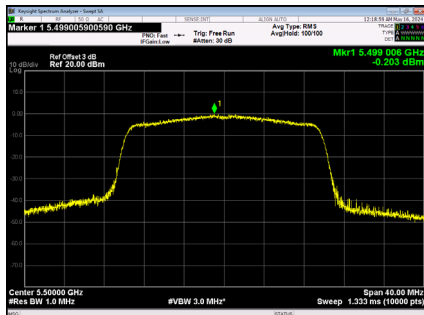
CH140



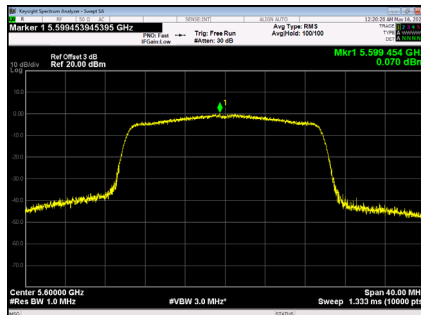
UNII-2C_TX AX (HE20) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	-0.203	0.00	-0.203	11.00	PASS
120	5600	0.070	0.00	0.070	11.00	PASS
140	5700	-0.129	0.00	-0.129	11.00	PASS

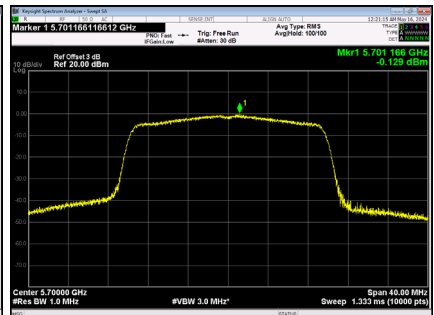
CH100



CH120



CH140



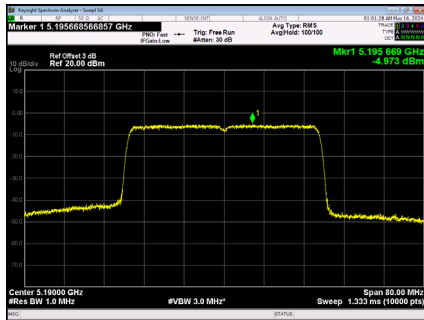
UNII-2C_TX AX (HE20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	2.515	11.00	PASS
120	5600	3.429	11.00	PASS
140	5700	2.525	11.00	PASS

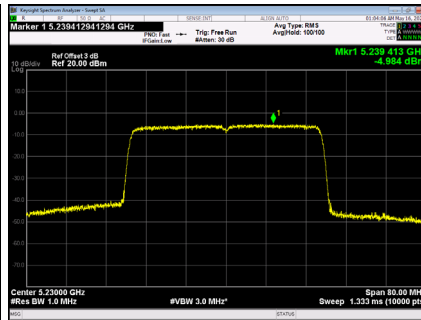
UNII-1_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-4.973	0.00	-4.973	11.00	PASS
46	5230	-4.984	0.00	-4.984	11.00	PASS

CH38



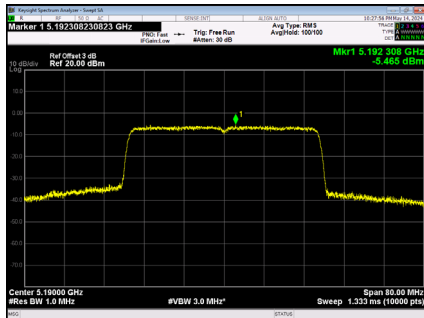
CH46



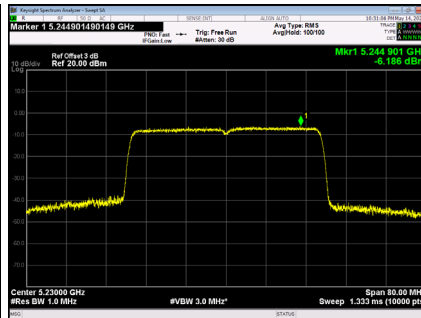
UNII-1_TX AX (HE40) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-5.465	0.00	-5.465	11.00	PASS
46	5230	-6.186	0.00	-6.186	11.00	PASS

CH38



CH46



UNII-1_TX AX (HE40) Mode_Total For FCC

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-2.202	11.00	PASS
46	5230	-2.533	11.00	PASS

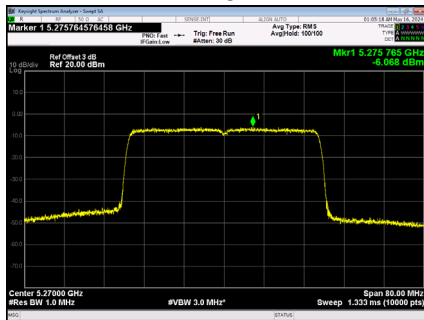
UNII-1_TX AX (HE40) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	0.678	10.00	PASS
46	5230	0.347	10.00	PASS

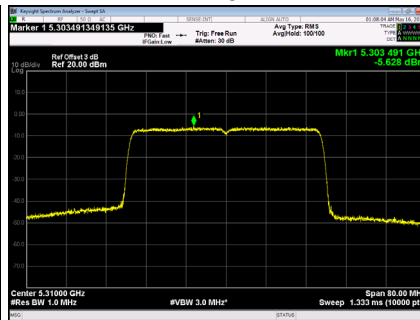
UNII-2A_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-6.068	0.00	-6.068	11.00	PASS
62	5310	-5.628	0.00	-5.628	11.00	PASS

CH54



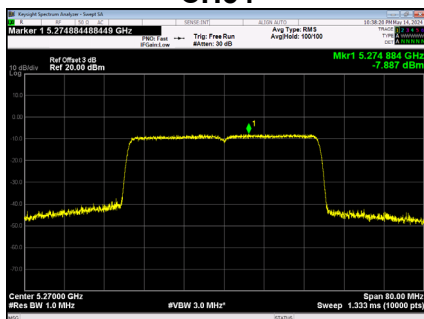
CH62



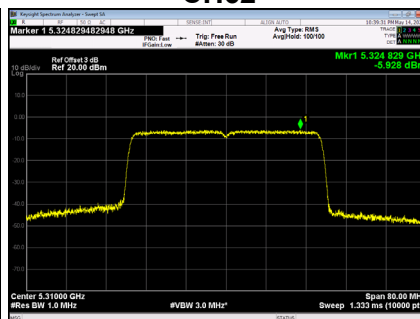
UNII-2A_TX AX (HE40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-7.887	0.00	-7.887	11.00	PASS
62	5310	-5.928	0.00	-5.928	11.00	PASS

CH54



CH62



UNII-2A_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-3.873	11.00	PASS
62	5310	-2.765	11.00	PASS

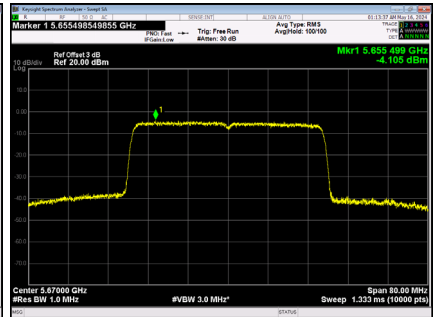
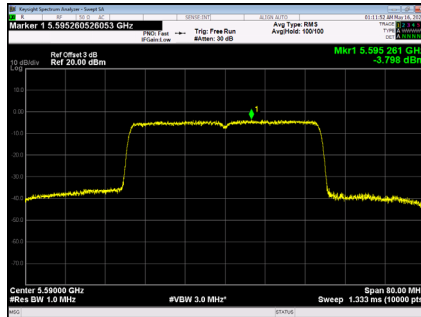
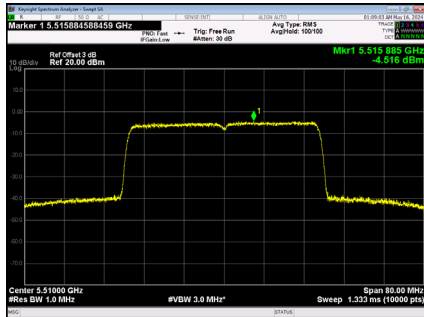
UNII-2C_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-4.516	0.00	-4.516	11.00	PASS
118	5590	-3.798	0.00	-3.798	11.00	PASS
134	5670	-4.105	0.00	-4.105	11.00	PASS

CH102

CH118

CH134



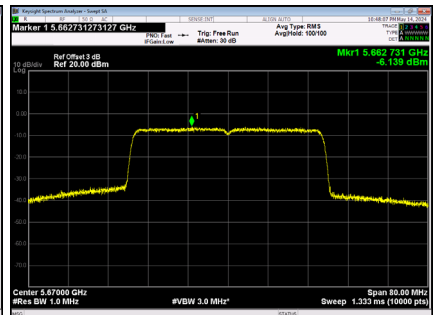
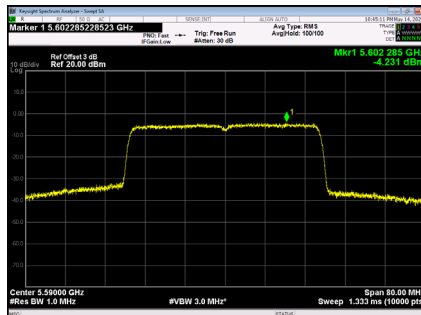
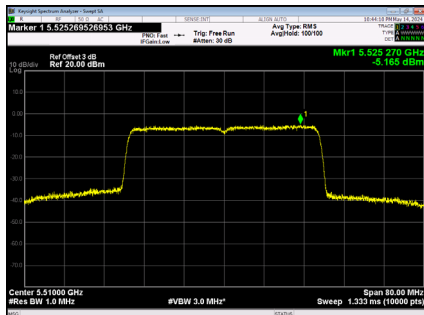
UNII-2C_TX AX (HE40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-5.165	0.00	-5.165	11.00	PASS
118	5590	-4.231	0.00	-4.231	11.00	PASS
134	5670	-6.139	0.00	-6.139	11.00	PASS

CH102

CH118

CH134



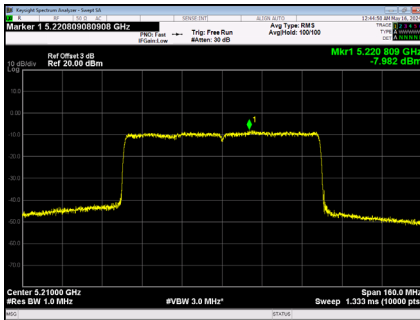
UNII-2C_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-1.818	11.00	PASS
118	5590	-0.999	11.00	PASS
134	5670	-1.994	11.00	PASS

UNII-1_TX AX (HE80) 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	-7.982	0.00	-7.982	11.00	PASS

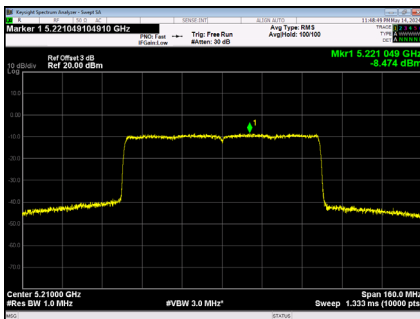
CH42



UNII-1_TX AX (HE80) 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	-8.474	0.00	-8.474	11.00	PASS

CH42



UNII-1_TX AX (HE80) Mode_Total For FCC

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-5.211	11.00	PASS

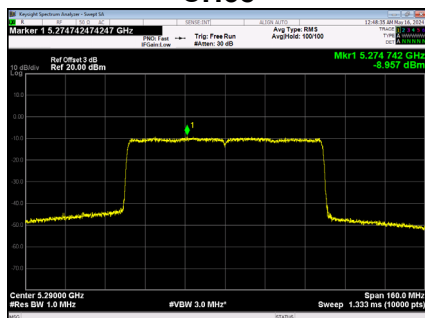
UNII-1_TX AX (HE80) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-2.331	10.00	PASS

UNII-2A_TX AX (HE80) 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	-8.957	0.00	-8.957	11.00	PASS

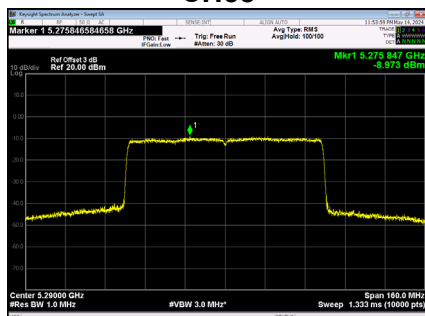
CH58



UNII-2A_TX AX (HE80) 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	-8.973	0.00	-8.973	11.00	PASS

CH58



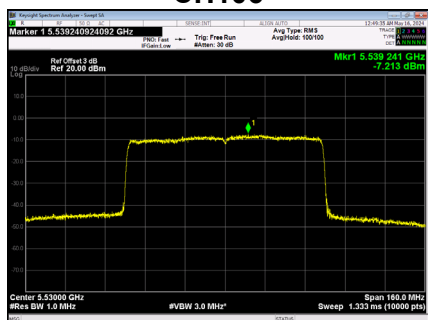
UNII-2A_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	-5.955	11.00	PASS

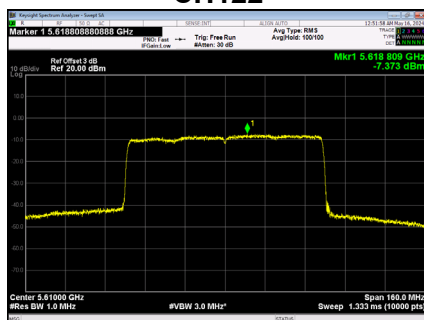
UNII-2C_TX AX (HE80) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-7.213	0.00	-7.213	11.00	PASS
122	5610	-7.373	0.00	-7.373	11.00	PASS

CH106



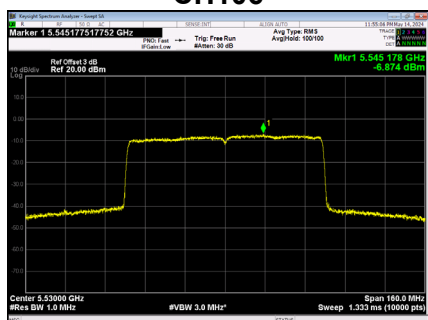
CH122



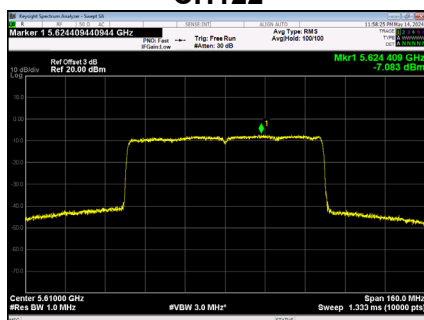
UNII-2C_TX AX (HE80) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-6.874	0.00	-6.874	11.00	PASS
122	5610	-7.083	0.00	-7.083	11.00	PASS

CH106



CH122



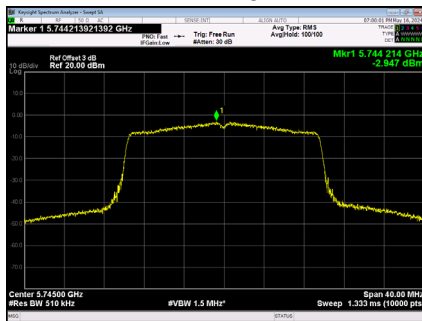
UNII-2C_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-4.030	11.00	PASS
122	5610	-4.215	11.00	PASS

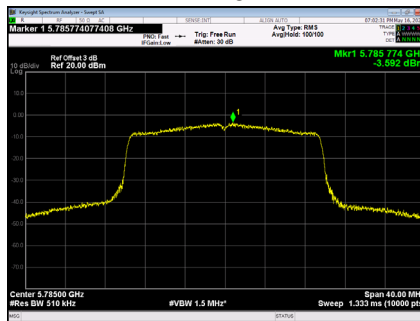
UNII-3_TX AX (HE20) Mode_Ant 1

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	-2.947	0.00	-2.947	30.00	PASS
157	5785	-3.592	0.00	-3.592	30.00	PASS
165	5825	-3.615	0.00	-3.615	30.00	PASS

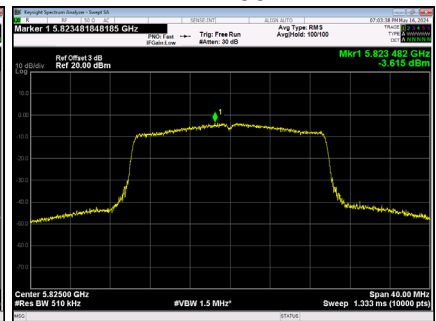
CH149



CH157



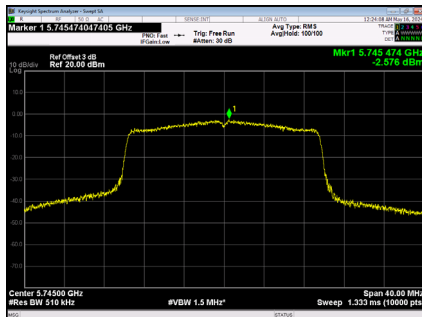
CH165



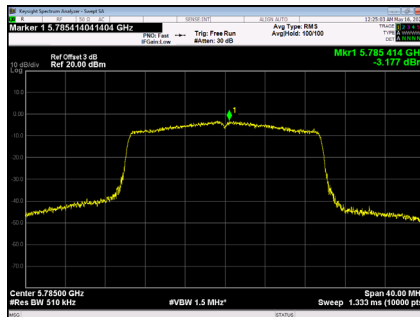
UNII-3_TX AX (HE20) Mode_Ant2

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	-2.576	0.00	-2.576	30.00	PASS
157	5785	-3.177	0.00	-3.177	30.00	PASS
165	5825	-0.943	0.00	-0.943	30.00	PASS

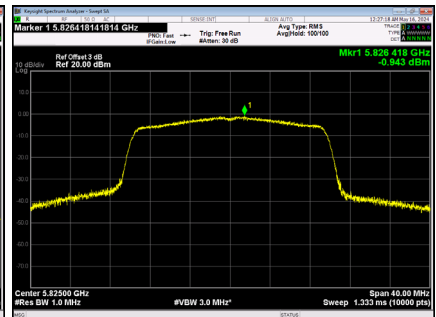
CH149



CH157



CH165



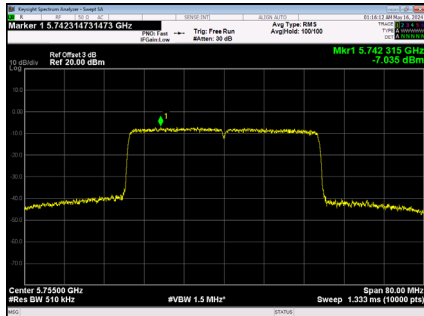
UNII-3_TX AX (HE20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	0.253	30.00	PASS
157	5785	-0.369	30.00	PASS
165	5825	0.934	30.00	PASS

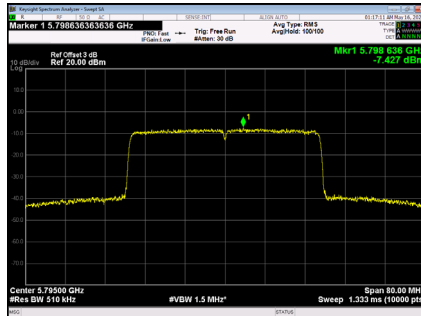
UNII-3_TX AX (HE40) Mode_Ant 1

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	-7.035	0.00	-7.035	30.00	PASS
159	5795	-7.427	0.00	-7.427	30.00	PASS

CH151



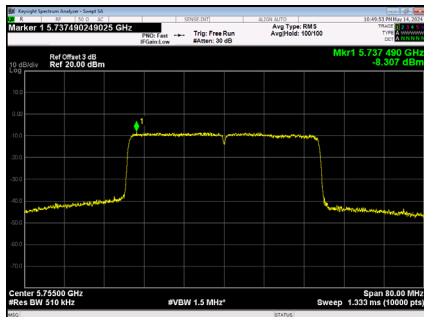
CH159



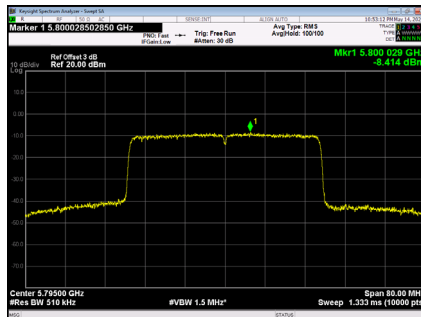
UNII-3_TX AX (HE40) Mode_Ant2

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	-8.307	0.00	-8.307	30.00	PASS
159	5795	-8.414	0.00	-8.414	30.00	PASS

CH151



CH159



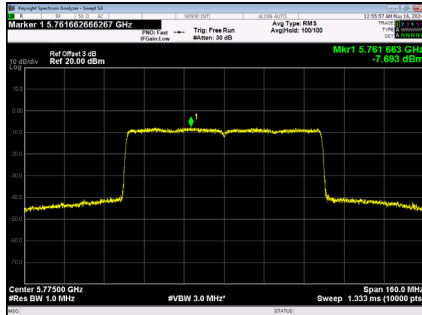
UNII-3_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-4.614	30.00	PASS
159	5795	-4.882	30.00	PASS

UNII-3_TX AX (HE80) 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
155	5775	-7.693	0.00	-7.693	30.00	PASS

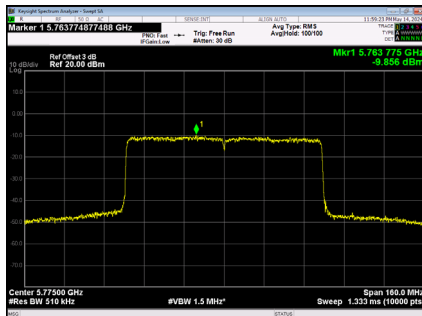
CH155



UNII-3_TX AX (HE80) 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
155	5775	-9.856	0.00	-9.856	30.00	PASS

CH155



UNII-3_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
155	5775	-4.979	30.00	PASS

9. FREQUENCY STABILITY MEASUREMENT

9.1 LIMIT

FCC Part15, Subpart E (15.407)&RSS-GEN			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(g) RSS-GEN 6.11	Frequency Stability	Specified in the user's manual	5150-5250
			5725-5850

9.2 TEST PROCEDURE AND SETTING

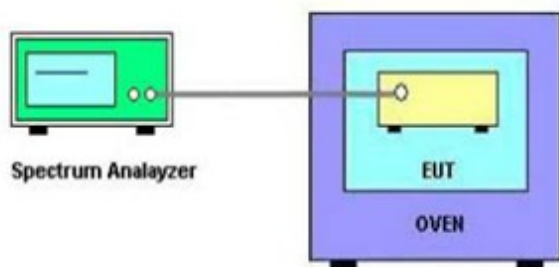
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10kHz
Sweep Time	Auto

9.3 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
4	Temperature conditioning	Guan Jian.HTH1000	-20-130°C	GJ1000-10D001	N/A
5	DC Power Supply	G.KE	IPR-10010D	010931954	N/A

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

	Temperature vs. Frequency Stability-UNII-1	
Voltage	Temperature	Measurement Frequency (MHz)
120V	(°C)	5180
	0	5179.9346
	25	5179.9400
	40	5179.9416
89V	25	5179.9422
Max. Deviation (MHz)		-0.654
Max. Deviation (ppm)		-12.63

	Temperature vs. Frequency Stability-UNII-2A	
Voltage	Temperature	Measurement Frequency (MHz)
120V	(°C)	5260
	0	5259.9777
	25	5259.9784
	40	5259.9786
89V	25	5259.9788
Max. Deviation (MHz)		-0.0222
Max. Deviation (ppm)		-4.22

Temperature vs. Frequency Stability-UNII-2C		
Voltage	Temperature	Measurement Frequency (MHz)
120V	(°C)	5500
	0	5499.9788
	25	5499.9791
	40	5499.9798
89V	25	5499.9802
Max. Deviation (MHz)		-0.0212
Max. Deviation (ppm)		-3.85

Temperature vs. Frequency Stability-UNII-3		
Voltage	Temperature	Measurement Frequency (MHz)
120V	(°C)	5745
	0	5744.9798
	25	5744.9800
	40	5744.9804
89V	25	5744.9806
Max. Deviation (MHz)		-0.0202
Max. Deviation (ppm)		-3.52

Note: 89V is the end point voltage, and products below 89V will cease working.

END OF TEST REPORT