

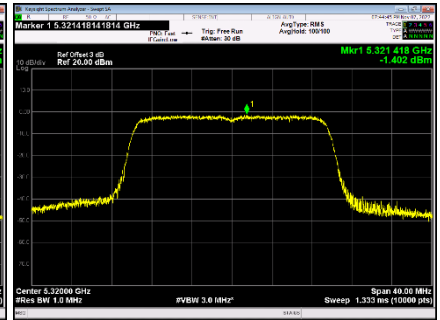
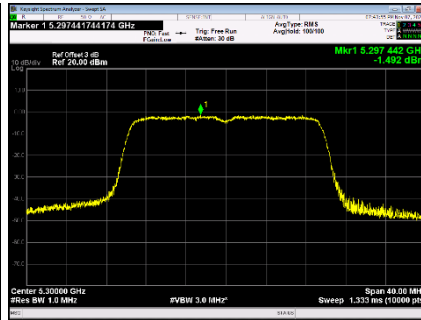
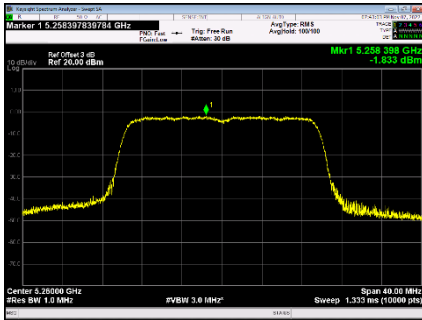
UNII-2A_TX AX (HE20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-1.883	0.00	-1.883	11.00	PASS
60	5300	-1.492	0.00	-1.492	11.00	PASS
64	5320	-1.402	0.00	-1.402	11.00	PASS

CH52

CH60

CH64



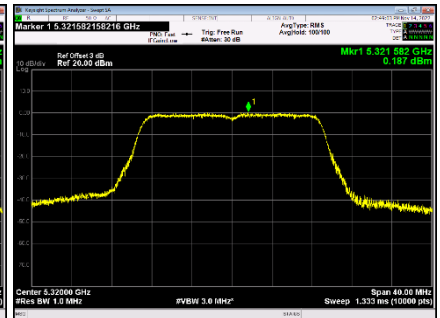
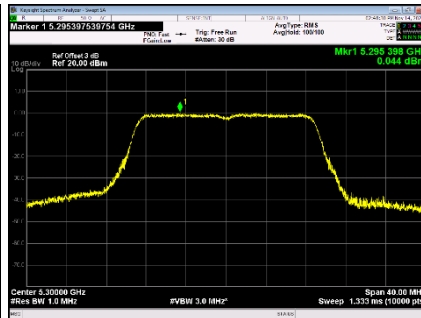
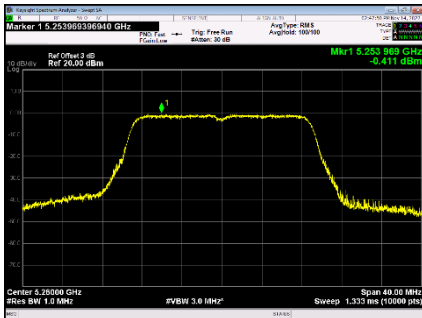
UNII-2A_TX AX (HE20) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-0.411	0.00	-0.411	11.00	PASS
60	5300	0.044	0.00	0.044	11.00	PASS
64	5320	0.187	0.00	0.187	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	1.93	11.00	PASS
60	5300	2.35	11.00	PASS
64	5320	2.48	11.00	PASS

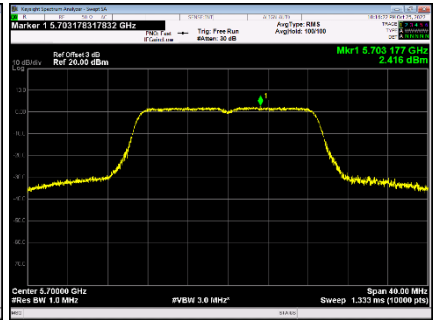
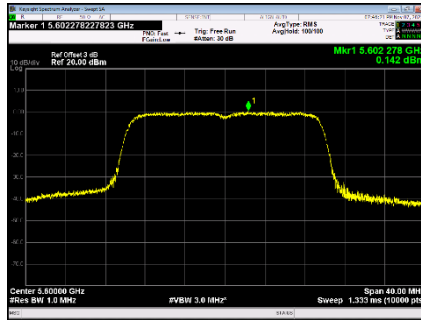
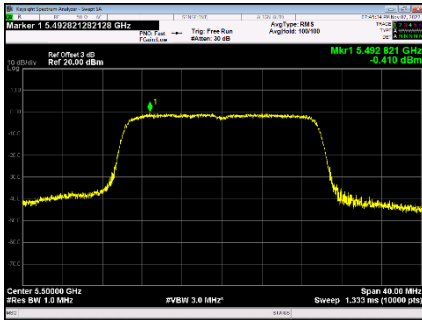
UNII-2C_TX AX (HE20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	-0.410	0.00	-0.410	11.00	PASS
120	5600	0.142	0.00	0.142	11.00	PASS
140	5700	2.416	0.00	2.416	11.00	PASS

CH100

CH120

CH140



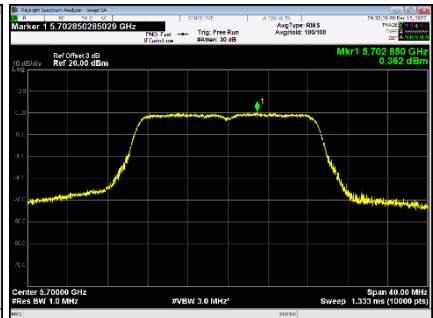
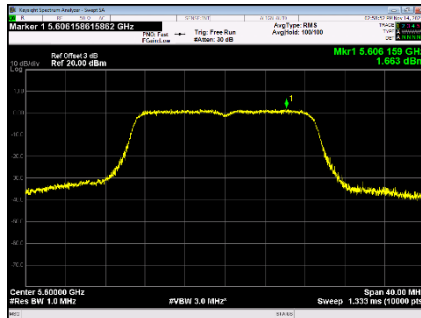
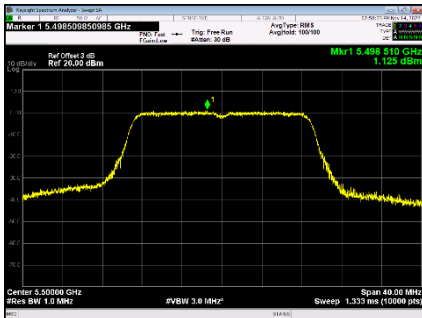
UNII-2C_TX AX (HE20) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	1.125	0.00	1.125	11.00	PASS
120	5600	1.663	0.00	1.663	11.00	PASS
140	5700	0.362	0.00	0.362	11.00	PASS

CH100

CH120

CH140



UNII-2C_TX AX (HE20) Mode_Total

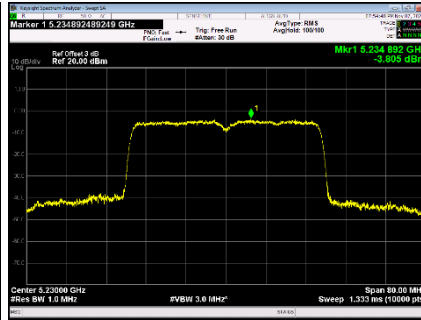
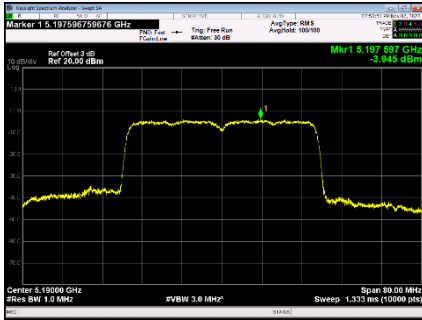
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	3.44	11.00	PASS
120	5600	3.98	11.00	PASS
140	5700	4.52	11.00	PASS

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	-3.945	0.00	-3.945	11.00	PASS
46	5230	-3.805	0.00	-3.805	11.00	PASS

CH38

CH46

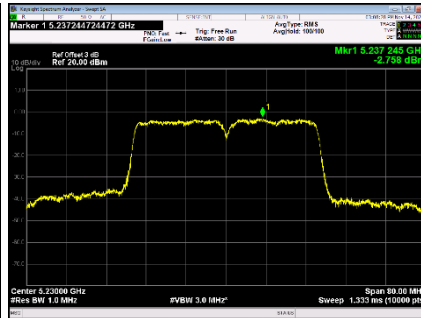
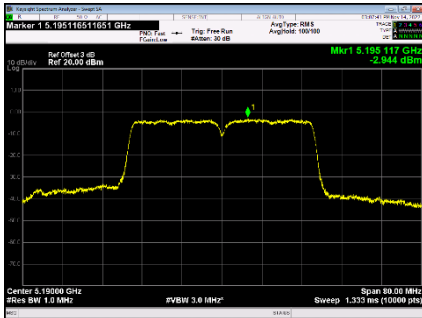


UNII-1_TX AX (HE40) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-2.944	0.00	-2.944	11.00	PASS
46	5230	-2.758	0.00	-2.758	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	-0.41	11.00	PASS
46	5230	-0.24	11.00	PASS

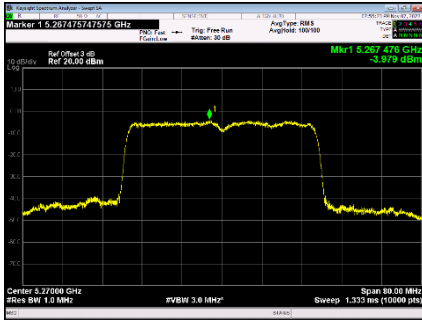
UNII-1_TX AX (HE40) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	5.40	10.00	PASS
46	5230	5.57	10.00	PASS

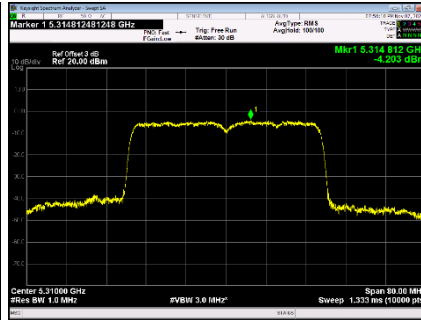
UNII-2A_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-3.979	0.00	-3.979	11.00	PASS
62	5310	-4.203	0.00	-4.203	11.00	PASS

CH54



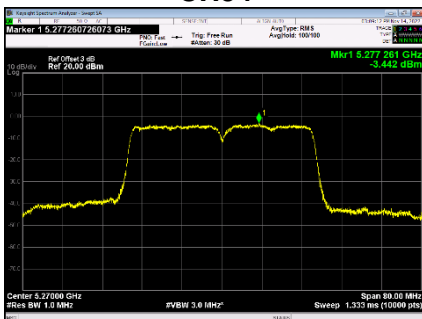
CH62



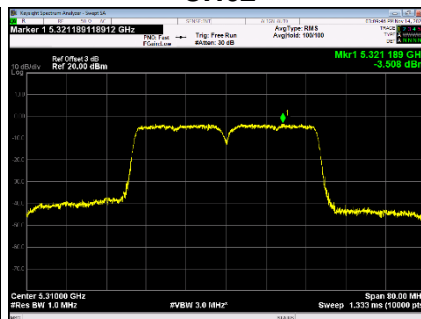
UNII-2A_TX AX (HE40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-3.442	0.00	-3.442	11.00	PASS
62	5310	-3.508	0.00	-3.508	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	-0.69	11.00	PASS
62	5310	-0.83	11.00	PASS

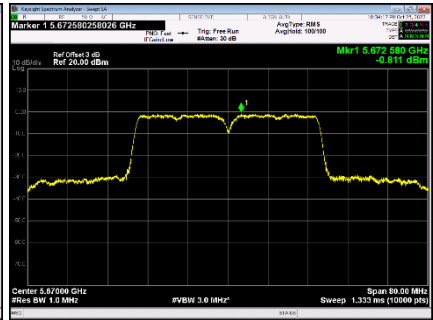
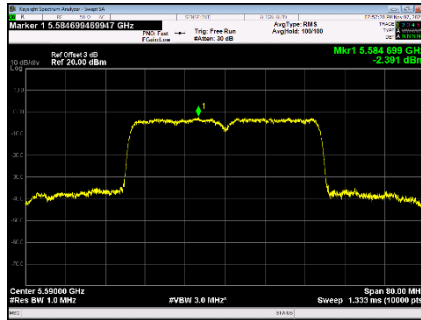
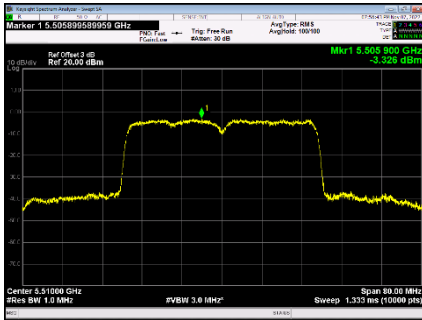
UNII-2C_TX AX (HE40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-3.326	0.00	-3.326	11.00	PASS
118	5590	-2.391	0.00	-2.391	11.00	PASS
134	5670	-0.811	0.00	-0.811	11.00	PASS

CH102

CH118

CH134



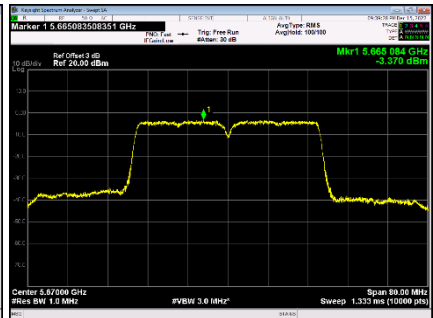
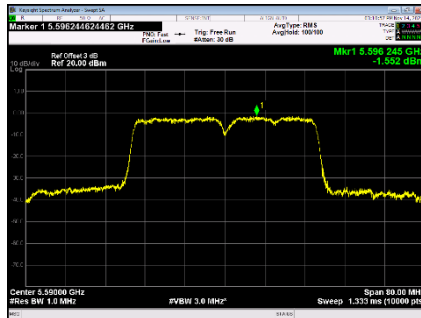
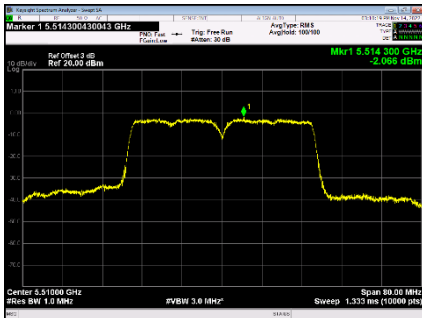
UNII-2C_TX AX (HE40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-2.066	0.00	-2.066	11.00	PASS
118	5590	-1.552	0.00	-1.552	11.00	PASS
134	5670	-3.370	0.00	-3.370	11.00	PASS

CH102

CH118

CH134



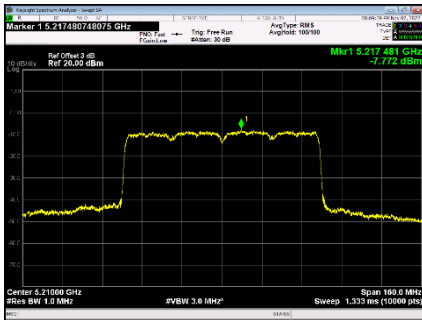
UNII-2C_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	0.36	11.00	PASS
118	5590	1.06	11.00	PASS
134	5670	1.11	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	-7.772	0.00	-7.772	11.00	PASS

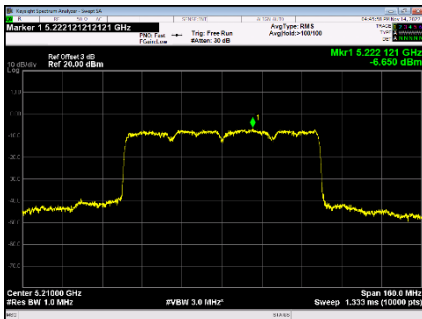
CH42



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	-6.650	0.00	-6.650	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	-4.16	11.00	PASS

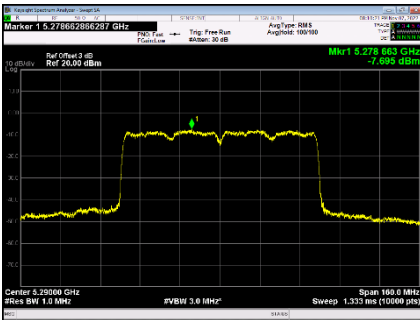
UNII-1_TX AX (HE80) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	1.65	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	-7.695	0.00	-7.695	11.00	PASS

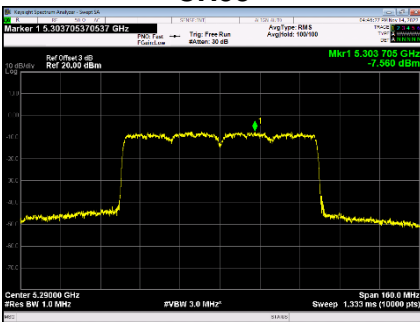
CH58



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	-7.560	0.00	-7.560	11.00	PASS

CH58



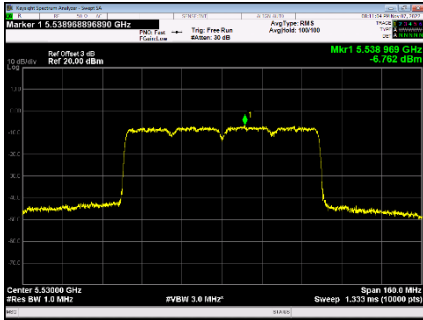
UNII-2A_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	-4.62	11.00	PASS

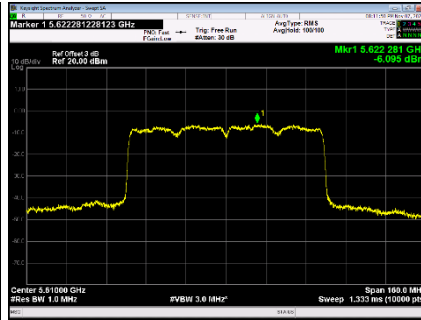
UNII-2C_TX AX (HE80) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-6.762	0.00	-6.762	11.00	PASS
122	5610	-6.095	0.00	-6.095	11.00	PASS

CH106



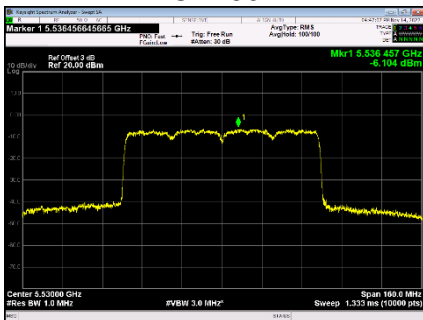
CH122



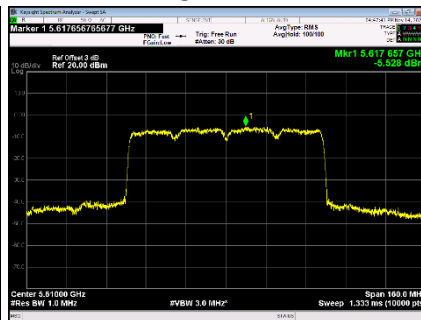
UNII-2C_TX AX (HE80) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-6.104	0.00	-6.104	11.00	PASS
122	5610	-5.528	0.00	-5.528	11.00	PASS

CH106



CH122



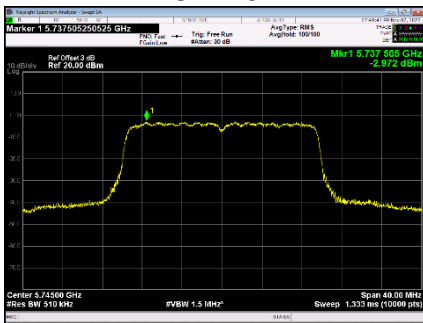
UNII-2C_TX AX (HE80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-3.41	11.00	PASS
122	5610	-2.79	11.00	PASS

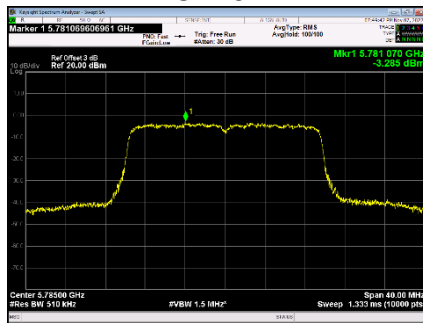
UNII-3_TX AX (HE20) Mode_Ant 1

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	-2.972	0.00	-2.972	30.00	PASS
157	5785	-3.285	0.00	-3.285	30.00	PASS
165	5825	-3.180	0.00	-3.180	30.00	PASS

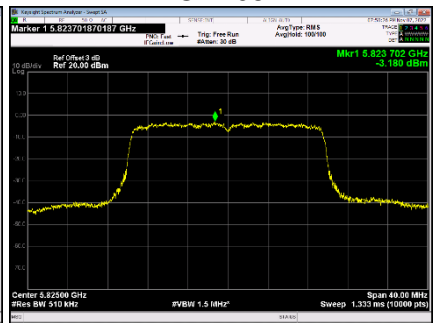
CH149



CH157



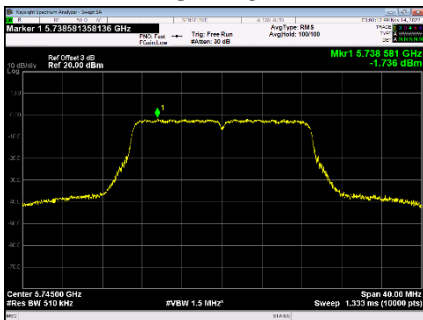
CH165



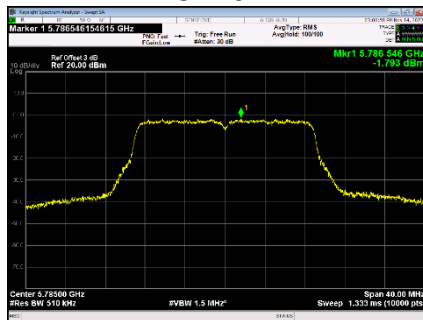
UNII-3_TX AX (HE20) Mode_Ant2

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	-1.736	0.00	-1.736	30.00	PASS
157	5785	-1.793	0.00	-1.793	30.00	PASS
165	5825	-1.851	0.00	-1.851	30.00	PASS

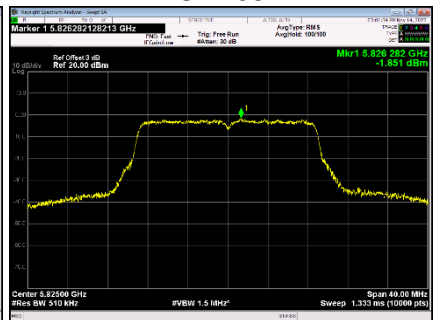
CH149



CH157



CH165



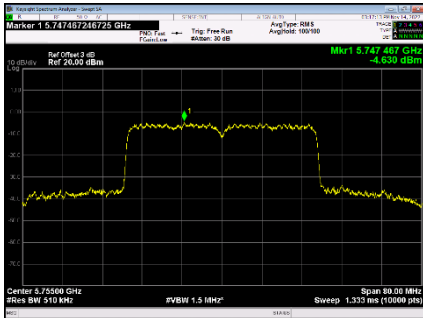
UNII-3_TX AX (HE20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	0.70	30.00	PASS
157	5785	0.54	30.00	PASS
165	5825	0.55	30.00	PASS

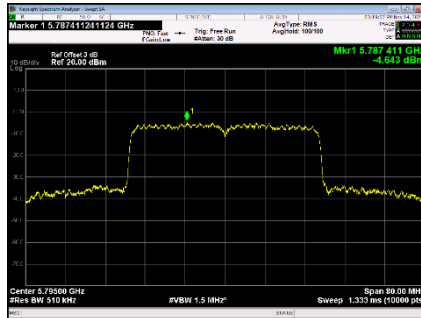
UNII-3_TX AX (HE40) Mode_Ant 1

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	-4.630	0.00	-4.630	30.00	PASS
159	5795	-4.643	0.00	-4.643	30.00	PASS

CH151



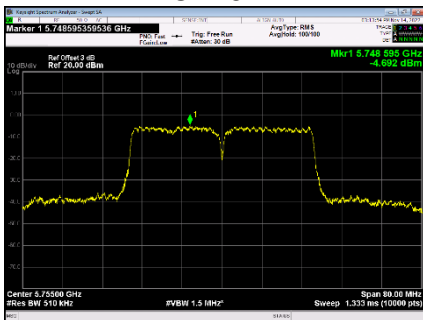
CH159



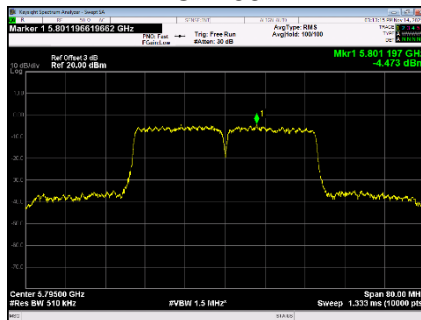
UNII-3_TX AX (HE40) Mode_Ant2

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	-4.692	0.00	-4.692	30.00	PASS
159	5795	-4.473	0.00	-4.473	30.00	PASS

CH151



CH159



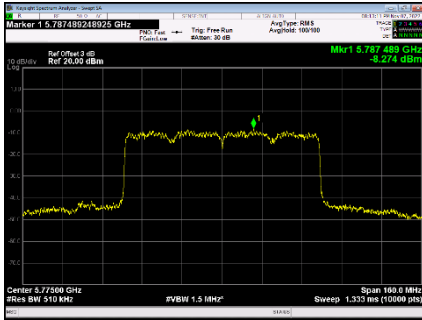
UNII-3_TX AX (HE40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-1.65	30.00	PASS
159	5795	-1.55	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	-8.274	0.00	-8.274	30.00	PASS

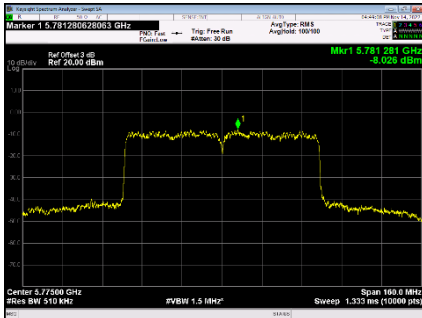
CH155



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	-8.026	0.00	-8.026	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	-5.14	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

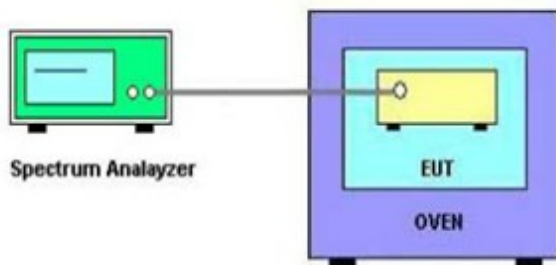
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

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	2023/05/26
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	5179.9726
	25	5179.9740
	40	5179.9748
89V	25	5179.9752
Max. Deviation (MHz)		-0.0274
Max. Deviation (ppm)		-5.29

Temperature vs. Frequency Stability-UNII-2A		
Voltage	Temperature	Measurement Frequency (MHz)
120V	(°C)	5260
	0	5259.9778
	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	5499.9792
	40	5499.9798
89V	25	5499.9800
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