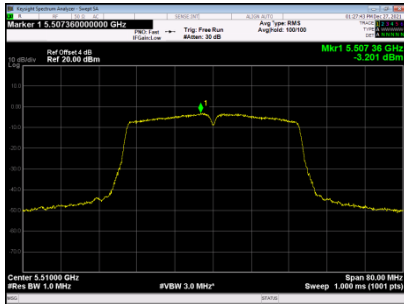


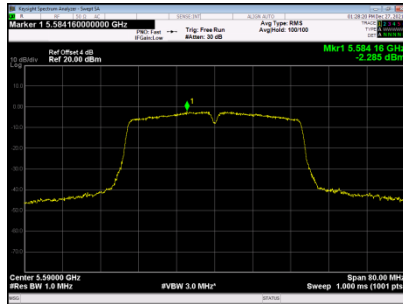
UNII-2C_TX N (HT40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-3.201	0.00	-3.201	11.00	PASS
118	5590	-2.285	0.00	-2.285	11.00	PASS
134	5670	-0.646	0.00	-0.646	11.00	PASS

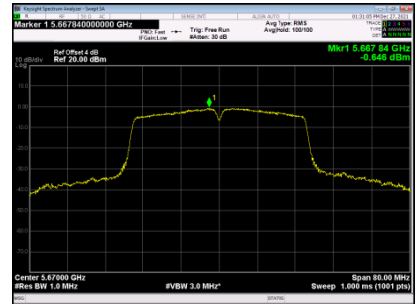
CH102



CH118



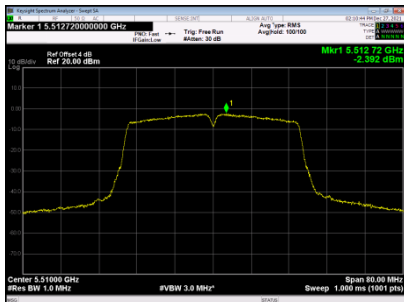
CH134



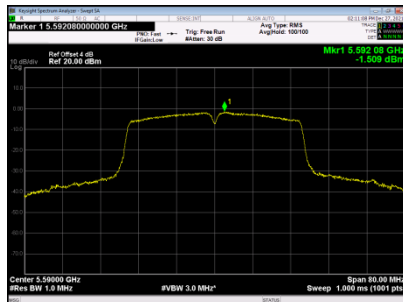
UNII-2C_TX N (HT40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-2.392	0.00	-2.392	11.00	PASS
118	5590	-1.509	0.00	-1.509	11.00	PASS
134	5670	-0.443	0.00	-0.443	11.00	PASS

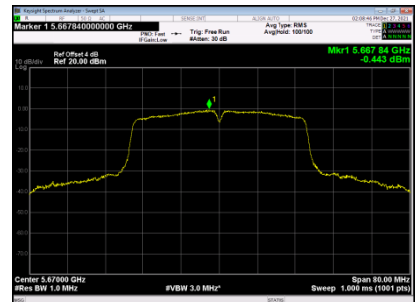
CH102



CH118



CH134



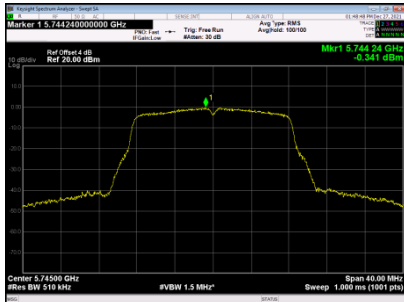
UNII-2C_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	0.233	11.00	PASS
118	5590	1.131	11.00	PASS
134	5670	2.699	11.00	PASS

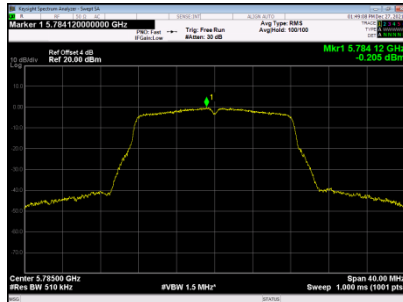
UNII-3_TX A Mode_Ant 1

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	-0.341	0.00	-0.341	30.00	PASS
157	5785	-0.205	0.00	-0.205	30.00	PASS
165	5825	-0.063	0.00	-0.063	30.00	PASS

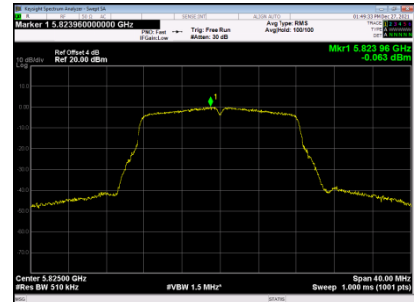
CH149



CH157



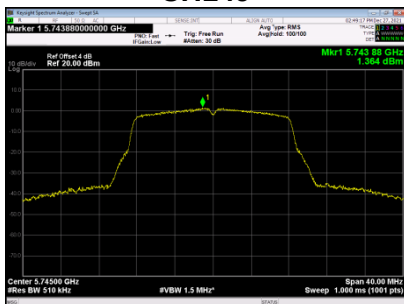
CH165



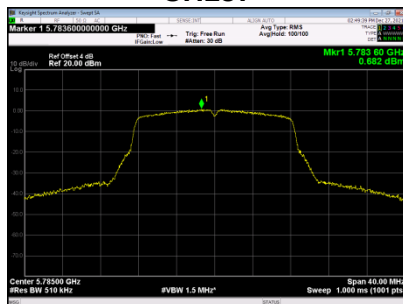
UNII-3_TX A Mode_Ant2

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	1.364	0.00	1.364	30.00	PASS
157	5785	0.682	0.00	0.682	30.00	PASS
165	5825	0.375	0.00	0.375	30.00	PASS

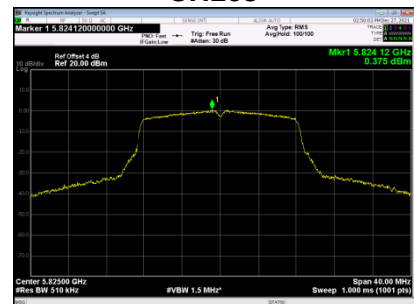
CH149



CH157



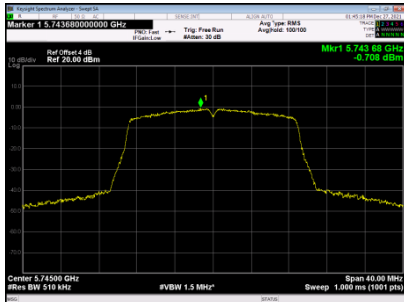
CH165



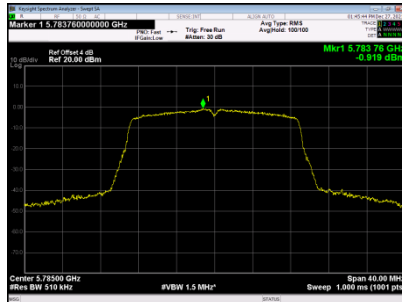
UNII-3_TX N (HT20) Mode_Ant 1

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	-0.708	0.00	-0.708	30.00	PASS
157	5785	-0.919	0.00	-0.919	30.00	PASS
165	5825	-0.604	0.00	-0.604	30.00	PASS

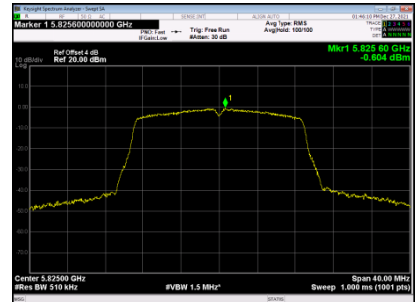
CH149



CH157



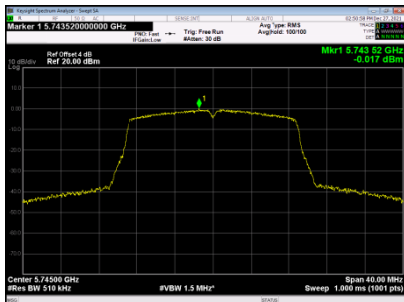
CH165



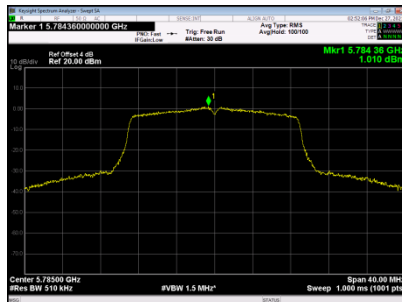
UNII-3_TX N (HT20) Mode_Ant2

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	-0.017	0.00	-0.017	30.00	PASS
157	5785	1.010	0.00	1.010	30.00	PASS
165	5825	-1.061	0.00	-1.061	30.00	PASS

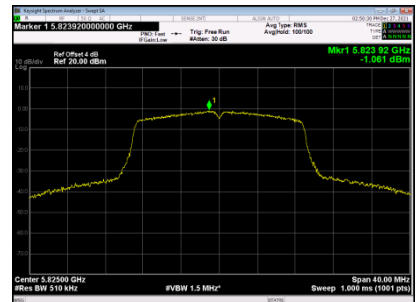
CH149



CH157



CH165



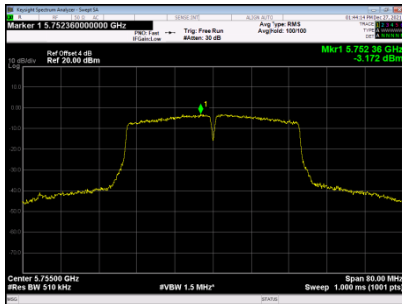
UNII-3_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	2.662	30.00	PASS
157	5785	3.162	30.00	PASS
165	5825	2.184	30.00	PASS

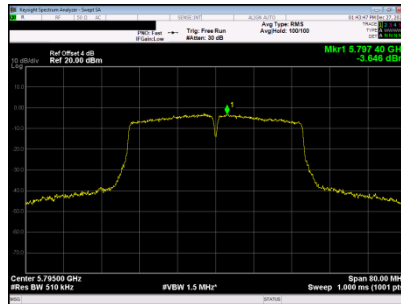
UNII-3_TX N (HT40) Mode_Ant 1

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	-3.172	0.00	-3.172	30.00	PASS
159	5795	-3.646	0.00	-3.646	30.00	PASS

CH151



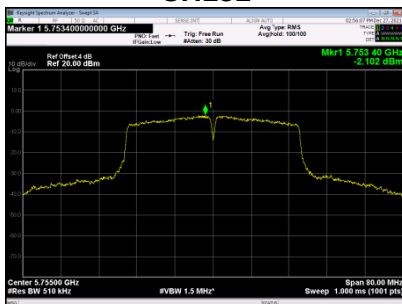
CH159



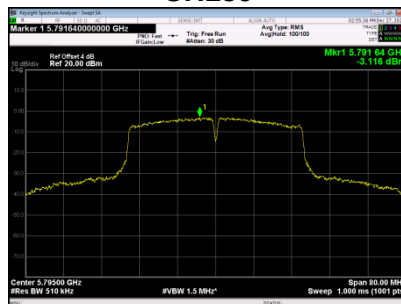
UNII-3_TX N (HT40) Mode_Ant2

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	-2.102	0.00	-2.102	30.00	PASS
159	5795	-3.116	0.00	-3.116	30.00	PASS

CH151



CH159



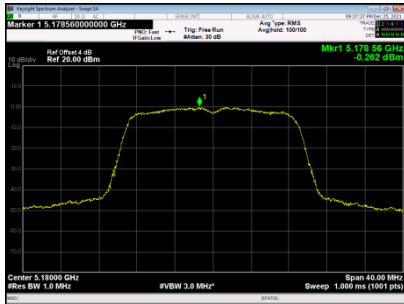
UNII-3_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	0.406	30.00	PASS
159	5795	-0.363	30.00	PASS

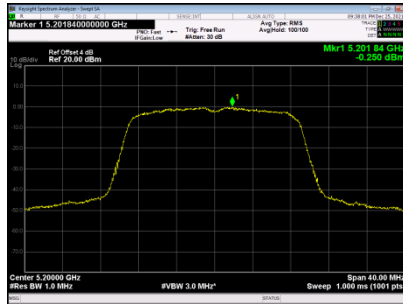
UNII-1_TX AC (VHT20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-0.262	0.00	-0.262	11.00	PASS
40	5200	-0.250	0.00	-0.250	11.00	PASS
48	5240	-0.101	0.00	-0.101	11.00	PASS

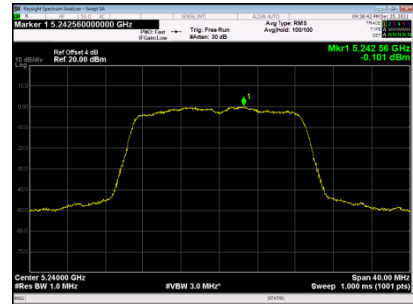
CH36



CH40



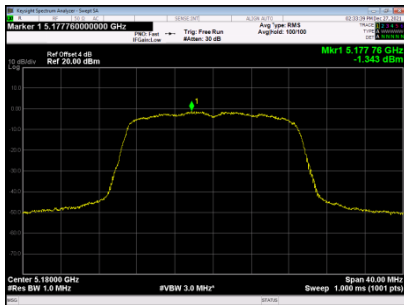
CH48



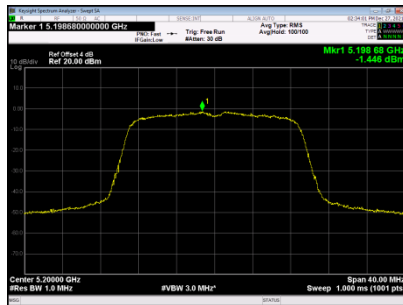
UNII-1_TX AC (VHT20) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.343	0.00	-1.343	11.00	PASS
40	5200	-1.446	0.00	-1.446	11.00	PASS
48	5240	-1.109	0.00	-1.109	11.00	PASS

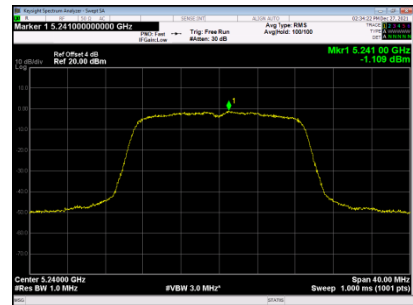
CH36



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	2.241	11.00	PASS
40	5200	2.203	11.00	PASS
48	5240	2.434	11.00	PASS

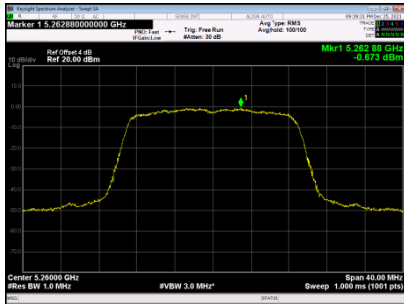
UNII-1_TX AC (VHT20) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.251	10.00	PASS
40	5200	9.213	10.00	PASS
48	5240	9.444	10.00	PASS

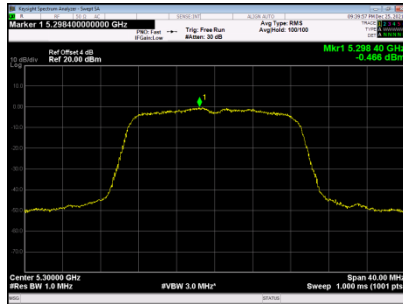
UNII-2A_TX AC (VHT20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-0.673	0.00	-0.673	11.00	PASS
60	5300	-0.466	0.00	-0.466	11.00	PASS
64	5320	-0.676	0.00	-0.676	11.00	PASS

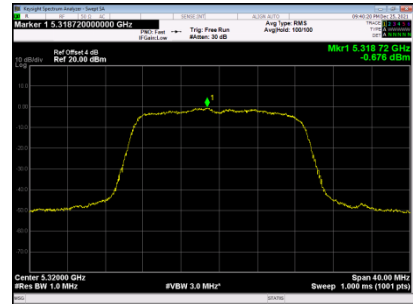
CH52



CH60



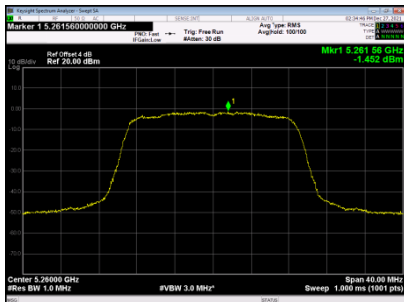
CH64



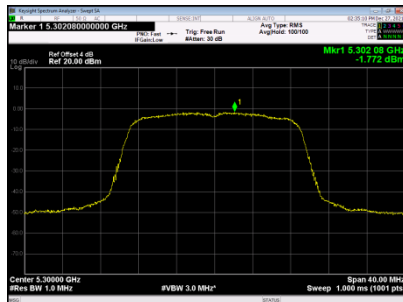
UNII-2A_TX AC (VHT20) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	-1.452	0.00	-1.452	11.00	PASS
60	5300	-1.772	0.00	-1.772	11.00	PASS
64	5320	-1.885	0.00	-1.885	11.00	PASS

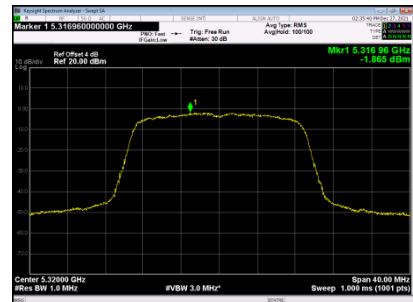
CH52



CH60



CH64



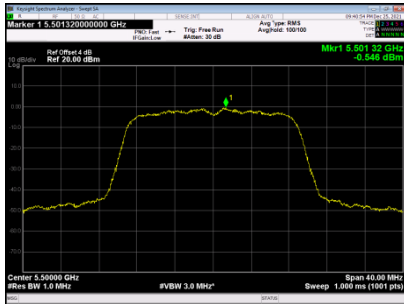
UNII-2A_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	1.965	11.00	PASS
60	5300	1.940	11.00	PASS
64	5320	1.772	11.00	PASS

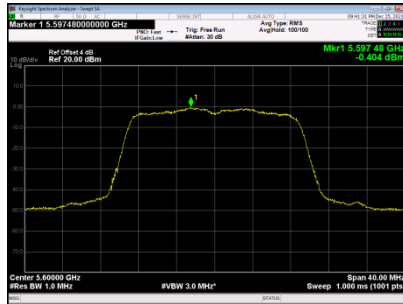
UNII-2C_TX AC (VHT20) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	-0.546	0.00	-0.546	11.00	PASS
120	5600	-0.404	0.00	-0.404	11.00	PASS
140	5700	-0.638	0.00	-0.638	11.00	PASS

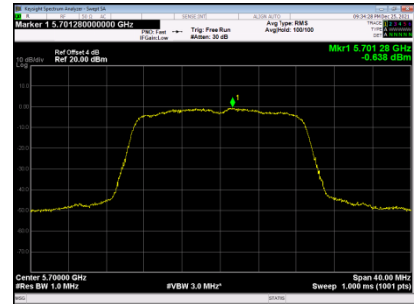
CH100



CH120



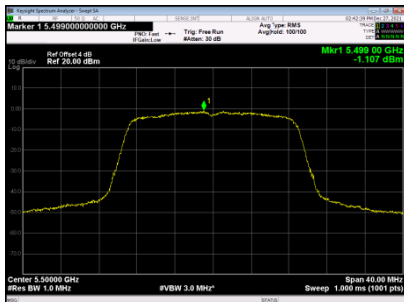
CH140



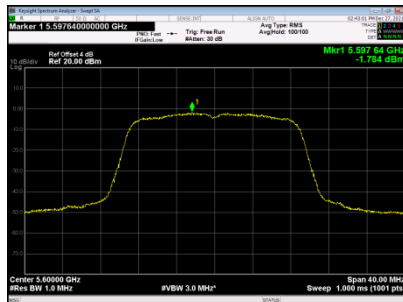
UNII-2C_TX AC (VHT20) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	-1.107	0.00	-1.107	11.00	PASS
120	5600	-1.784	0.00	-1.784	11.00	PASS
140	5700	-1.388	0.00	-1.388	11.00	PASS

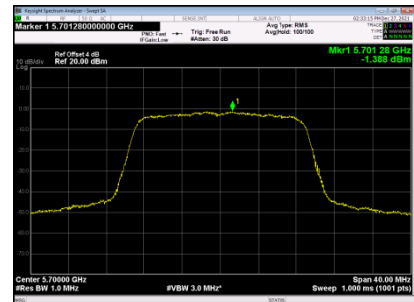
CH100



CH120



CH140



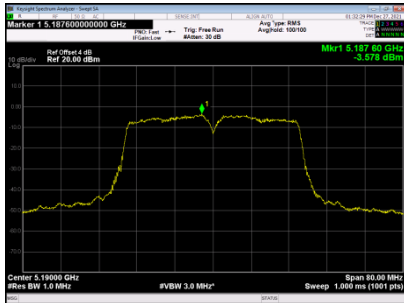
UNII-2C_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	2.193	11.00	PASS
120	5600	1.971	11.00	PASS
140	5700	2.013	11.00	PASS

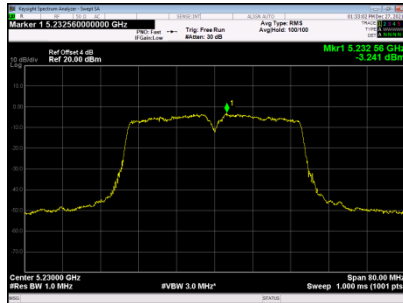
UNII-1_TX AC (VHT40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-3.578	0.00	-3.578	11.00	PASS
46	5230	-3.241	0.00	-3.241	11.00	PASS

CH38



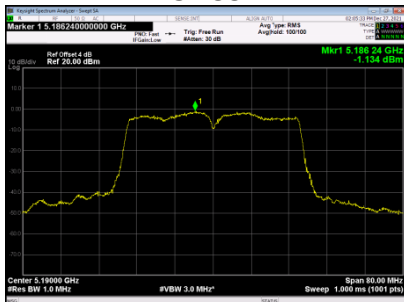
CH46



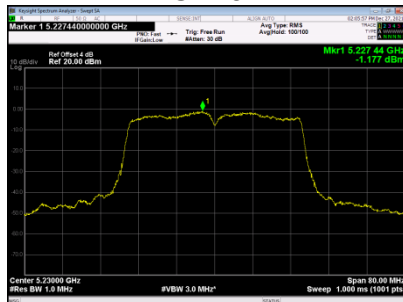
UNII-1_TX AC (VHT40) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-1.134	0.00	-1.134	11.00	PASS
46	5230	-1.177	0.00	-1.177	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	0.824	11.00	PASS
46	5230	0.923	11.00	PASS

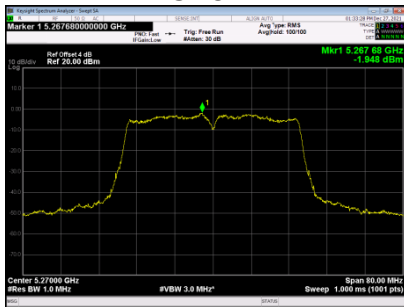
UNII-1_TX AC (VHT40) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	7.834	10.00	PASS
46	5230	7.933	10.00	PASS

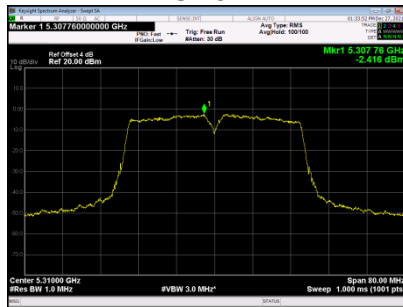
UNII-2A_TX AC (VHT40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-1.948	0.00	-1.948	11.00	PASS
62	5310	-2.416	0.00	-2.416	11.00	PASS

CH54



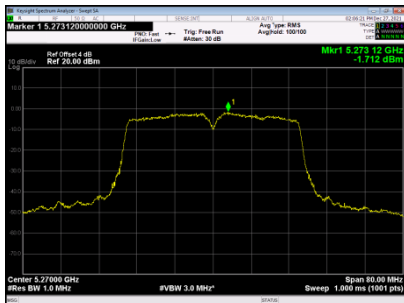
CH62



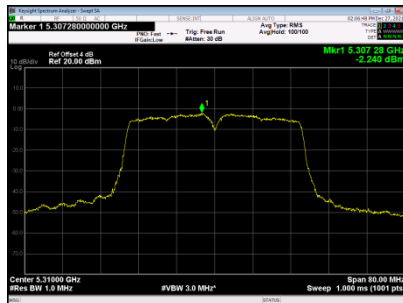
UNII-2A_TX AC (VHT40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-1.712	0.00	-1.712	11.00	PASS
62	5310	-2.240	0.00	-2.240	11.00	PASS

CH54



CH62



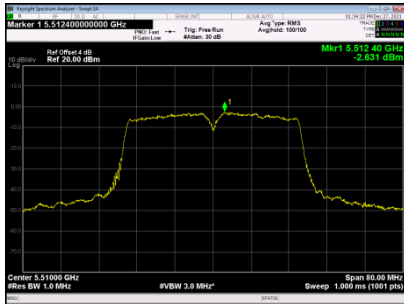
UNII-2A_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	1.182	11.00	PASS
62	5310	0.683	11.00	PASS

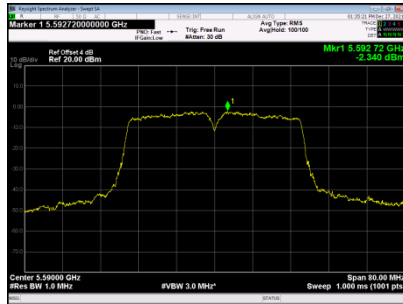
UNII-2C_TX AC (VHT40) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-2.631	0.00	-2.631	11.00	PASS
118	5590	-2.340	0.00	-2.340	11.00	PASS
134	5670	-1.424	0.00	-1.424	11.00	PASS

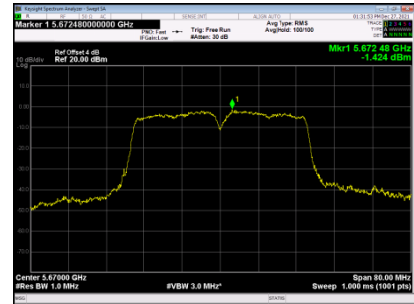
CH102



CH118



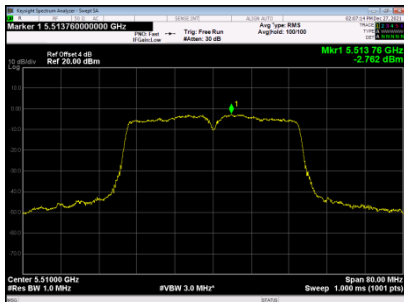
CH134



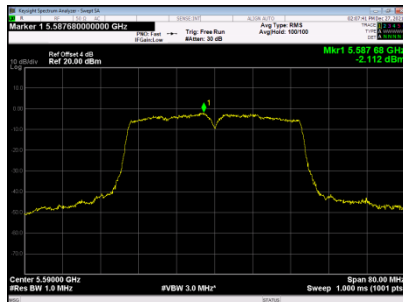
UNII-2C_TX AC (VHT40) Mode_Ant 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-2.762	0.00	-2.762	11.00	PASS
118	5590	-2.112	0.00	-2.112	11.00	PASS
134	5670	-1.326	0.00	-1.326	11.00	PASS

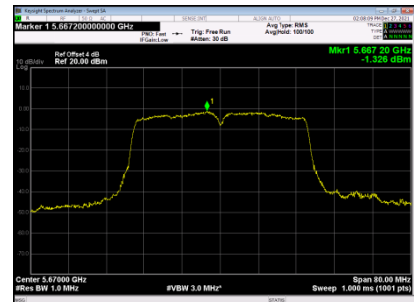
CH102



CH118



CH134



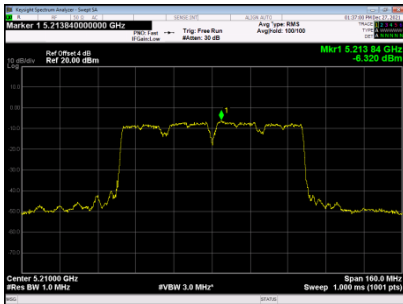
UNII-2C_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	0.314	11.00	PASS
118	5590	0.786	11.00	PASS
134	5670	1.636	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	-6.320	0.00	-6.320	11.00	PASS

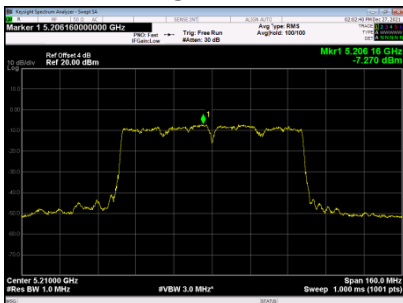
CH42



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	-7.270	0.00	-7.270	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	-3.759	11.00	PASS

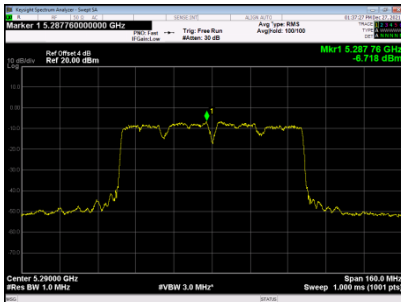
UNII-1_TX AC (VHT80) Mode_Total For IC

Channel	Frequency (MHz)	EIRP Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	3.251	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	-6.718	0.00	-6.718	11.00	PASS

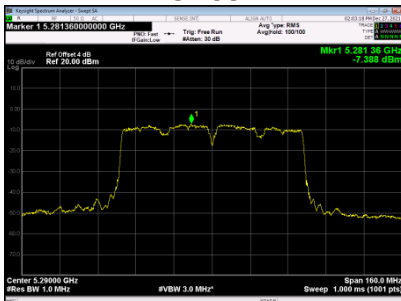
CH58



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	-7.388	0.00	-7.388	11.00	PASS

CH58



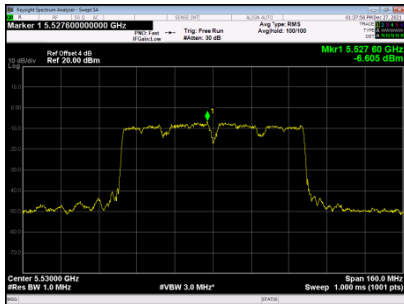
UNII-2A_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	-4.030	11.00	PASS

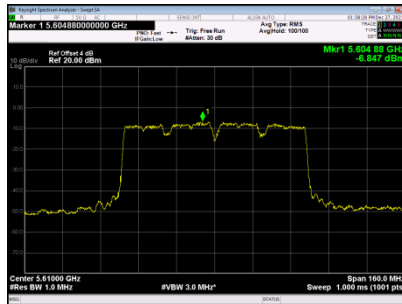
UNII-2C_TX AC (VHT80) Mode_Ant 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-6.605	0.00	-6.605	11.00	PASS
122	5610	-6.847	0.00	-6.847	11.00	PASS

CH106



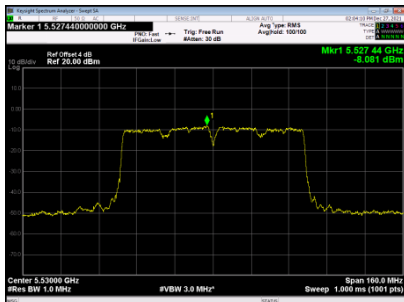
CH122



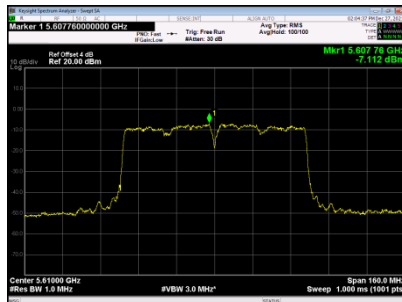
UNII-2C_TX AC (VHT80) Mode_Ant2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-8.081	0.00	-8.081	11.00	PASS
122	5610	-7.112	0.00	-7.112	11.00	PASS

CH106



CH122



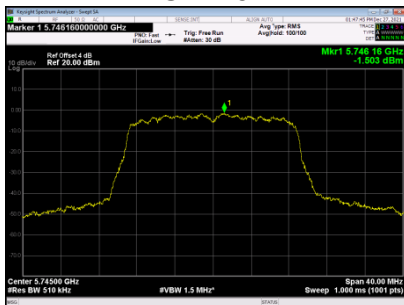
UNII-2C_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-4.270	11.00	PASS
122	5610	-3.967	11.00	PASS

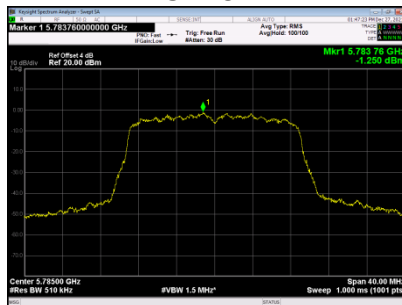
UNII-3_TX AC (VHT20) Mode_Ant 1

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	-1.503	0.00	-1.503	30.00	PASS
157	5785	-1.250	0.00	-1.250	30.00	PASS
165	5825	-1.848	0.00	-1.848	30.00	PASS

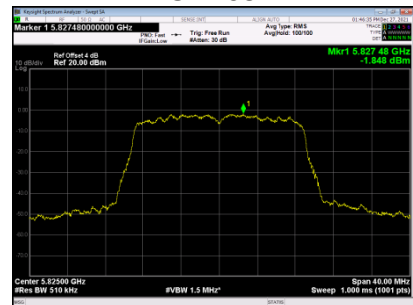
CH149



CH157



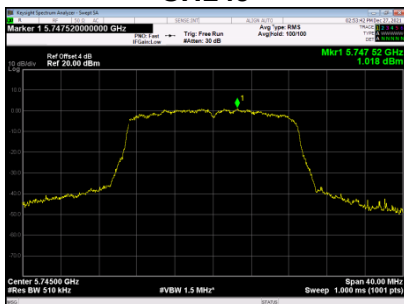
CH165



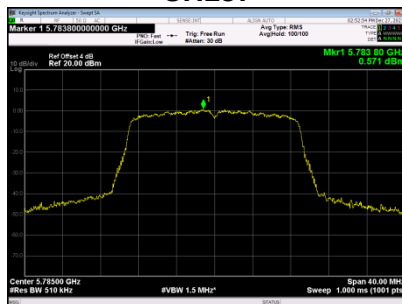
UNII-3_TX AC (VHT20) Mode_Ant2

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	1.018	0.00	1.018	30.00	PASS
157	5785	0.571	0.00	0.571	30.00	PASS
165	5825	0.685	0.00	0.685	30.00	PASS

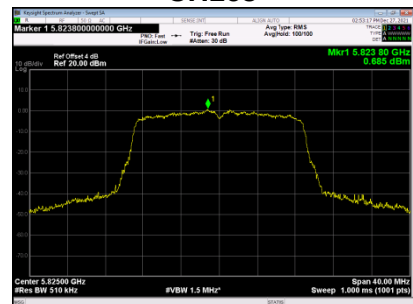
CH149



CH157



CH165



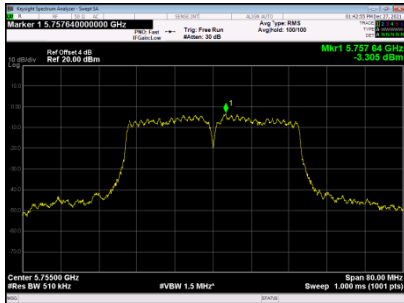
UNII-3_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	2.948	30.00	PASS
157	5785	2.766	30.00	PASS
165	5825	2.611	30.00	PASS

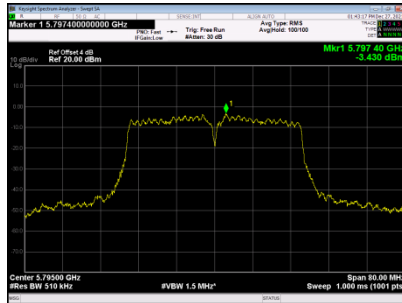
UNII-3_TX AC (VHT40) Mode_Ant 1

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	-3.305	0.00	-3.305	30.00	PASS
159	5795	-3.430	0.00	-3.430	30.00	PASS

CH151



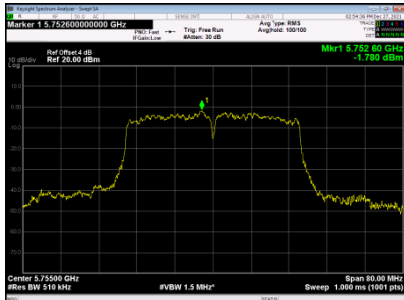
CH159



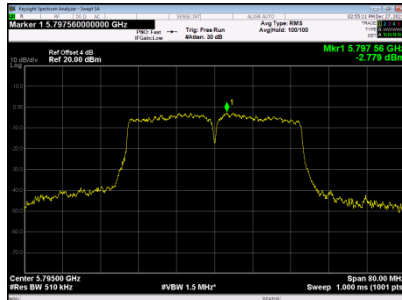
UNII-3_TX AC (VHT40) Mode_Ant2

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	-1.780	0.00	-1.780	30.00	PASS
159	5795	-2.779	0.00	-2.779	30.00	PASS

CH151



CH159



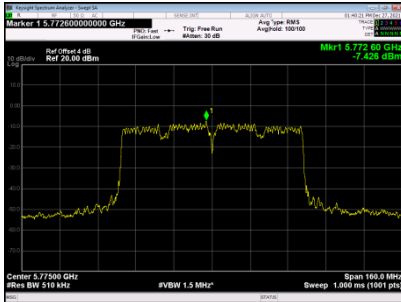
UNII-3_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	0.534	30.00	PASS
159	5795	-0.082	30.00	PASS

UNII-3_TX AC (VHT80) 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	-7.426	0.00	-7.426	30.00	PASS

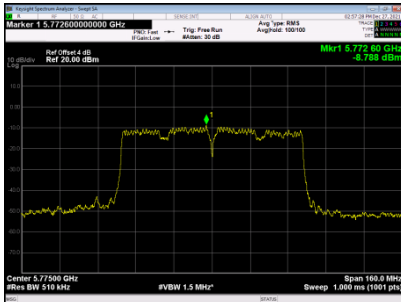
CH155



UNII-3_TX AC (VHT80) 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	-8.788	0.00	-8.788	30.00	PASS

CH155



UNII-3_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
155	5775	-5.044	30.00	PASS

9.FREQUENCY STABILITY MEASUREMENT

9.1LIMIT

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

9.2TEST PROCEDURE AND SETTING

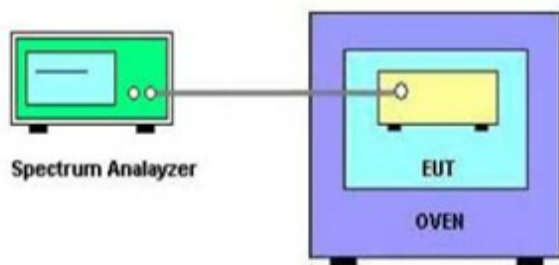
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

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

9.3MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	2022/05/28
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

9.4TEST SETUP



9.5EUT 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)
3.3V	(°C)	5180
	-20	5179.9720
	25	5179.9722
	50	5179.9722
2.2V	25	5179.9722
Max. Deviation (MHz)		-0.03
Max. Deviation (ppm)		-5.41

	Temperature vs. Frequency Stability-UNII-2A	
Voltage	Temperature	Measurement Frequency (MHz)
3.3V	(°C)	5260
	-20	5259.9716
	25	5259.9716
	50	5259.9718
2.2V	25	5259.9716
Max. Deviation (MHz)		-0.03
Max. Deviation (ppm)		-5.40

Temperature vs. Frequency Stability-UNII-2C		
Voltage	Temperature	Measurement Frequency (MHz)
3.3V	(°C)	5500
	-20	5499.9704
	25	5499.9706
	50	5499.9708
2.2V	25	5499.9706
Max. Deviation (MHz)		-0.03
Max. Deviation (ppm)		-5.38

Temperature vs. Frequency Stability-UNII-3		
Voltage	Temperature	Measurement Frequency (MHz)
3.3V	(°C)	5745
	-20	5744.9700
	25	5744.9736
	50	5744.9764
2.2V	25	5744.9764
Max. Deviation (MHz)		-0.03
Max. Deviation (ppm)		-5.22

Note: 2.2V is the end point voltage, and products below 2.2V will cease working.

END OF TEST REPORT