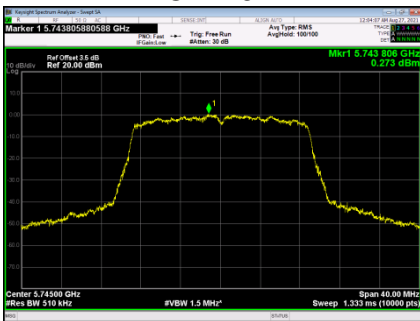


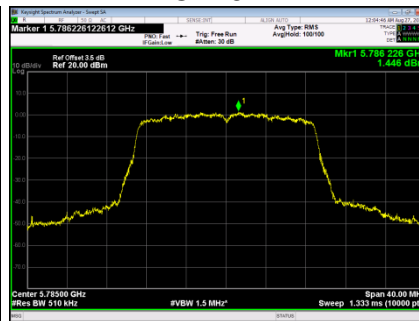
UNII-3_TX AC (VHT20) Mode_Ant 1

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	0.273	0.00	0.273	30.00	PASS
157	5785	1.446	0.00	1.446	30.00	PASS
165	5825	1.336	0.00	1.336	30.00	PASS

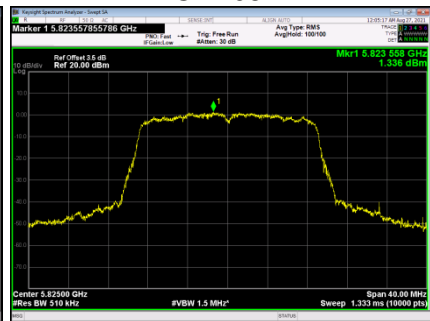
CH149



CH157



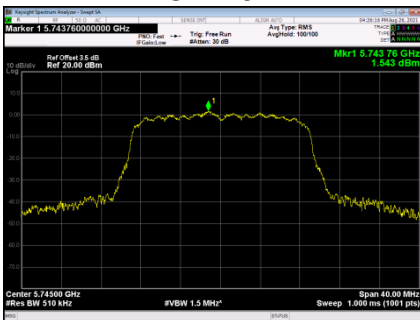
CH165



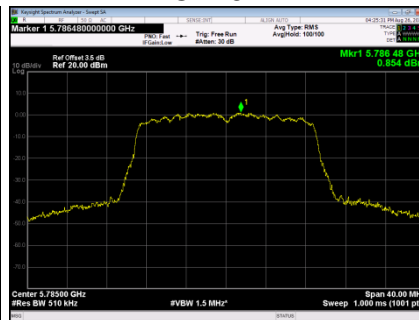
UNII-3_TX AC (VHT20) Mode_Ant2

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	1.543	0.00	1.543	30.00	PASS
157	5785	0.854	0.00	0.854	30.00	PASS
165	5825	1.050	0.00	1.050	30.00	PASS

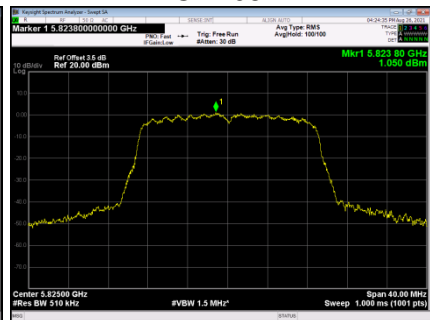
CH149



CH157



CH165



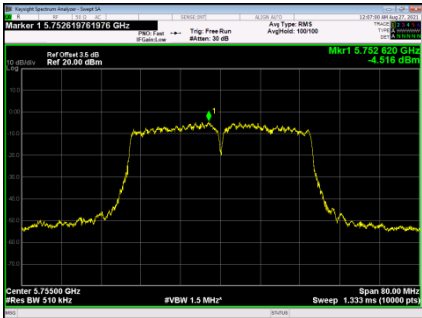
UNII-3_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	3.96	30.00	PASS
157	5785	4.17	30.00	PASS
165	5825	4.21	30.00	PASS

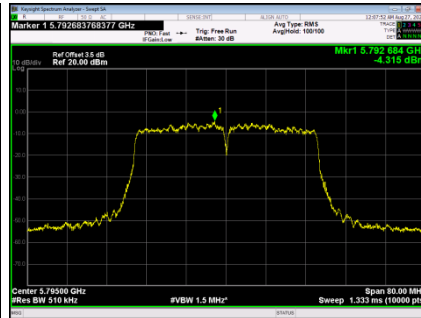
UNII-3_TX AC (VHT40) Mode_Ant 1

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	-4.516	0.00	-4.516	30.00	PASS
159	5795	-4.315	0.00	-4.315	30.00	PASS

CH151



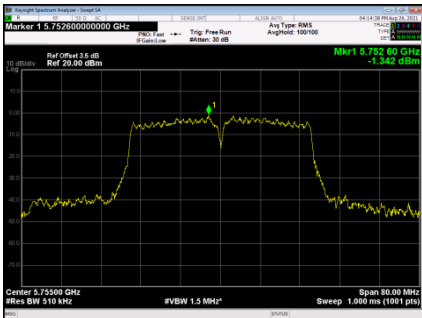
CH159



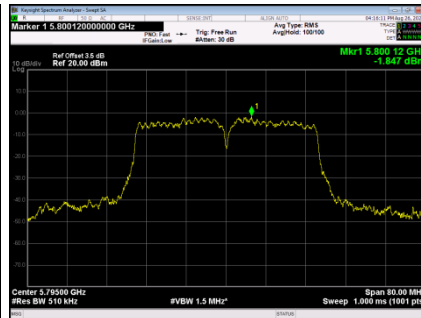
UNII-3_TX AC (VHT40) Mode_Ant2

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	-1.342	0.00	-1.342	30.00	PASS
159	5795	-1.847	0.00	-1.847	30.00	PASS

CH151



CH159



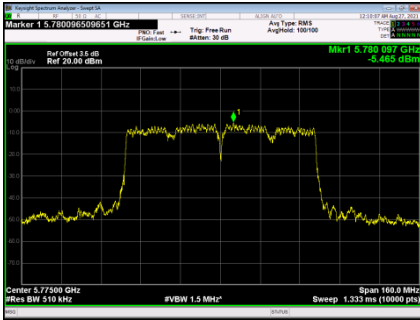
UNII-3_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	0.37	30.00	PASS
159	5795	0.10	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	-5.465	0.00	-5.465	30.00	PASS

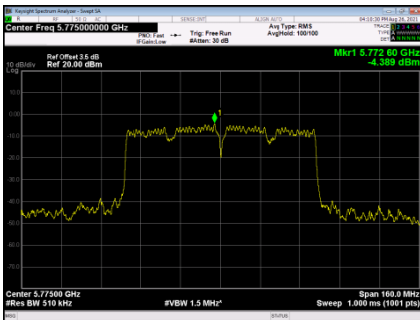
CH155



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	-4.389	0.00	-4.389	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	-1.88	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

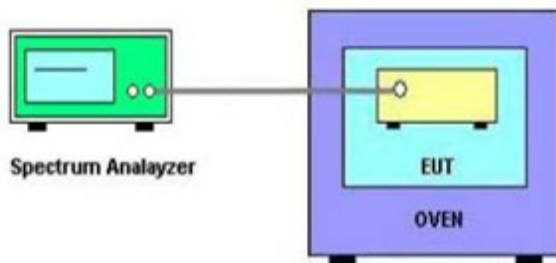
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:

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	2022/05/23
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	5180.0008
	25	5180.0009
	50	5180.0112
2.2V	25	5180.0010
Max. Deviation (MHz)		0.0112
Max. Deviation (ppm)		2.16

Temperature vs. Frequency Stability-UNII-2A		
Voltage	Temperature	Measurement Frequency (MHz)
3.3V	(°C)	5260
	-20	5259.9964
	25	5259.9980
	50	5260.0028
2.2V	25	5260.0013
Max. Deviation (MHz)		-0.0036
Max. Deviation (ppm)		-0.68

Temperature vs. Frequency Stability-UNII-2C		
Voltage	Temperature	Measurement Frequency (MHz)
3.3V	(°C)	5500
	-20	5499.9948
	25	5499.9940
	50	5499.9938
2.2V	25	5499.9953
Max. Deviation (MHz)		-0.0062
Max. Deviation (ppm)		-1.13

Temperature vs. Frequency Stability-UNII-3		
Voltage	Temperature	Measurement Frequency (MHz)
3.3V	(°C)	5745
	-20	5744.9938
	25	5744.9934
	50	5744.9936
2.2V	25	5744.9941
Max. Deviation (MHz)		-0.0066
Max. Deviation (ppm)		-1.15

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

END OF TEST REPORT