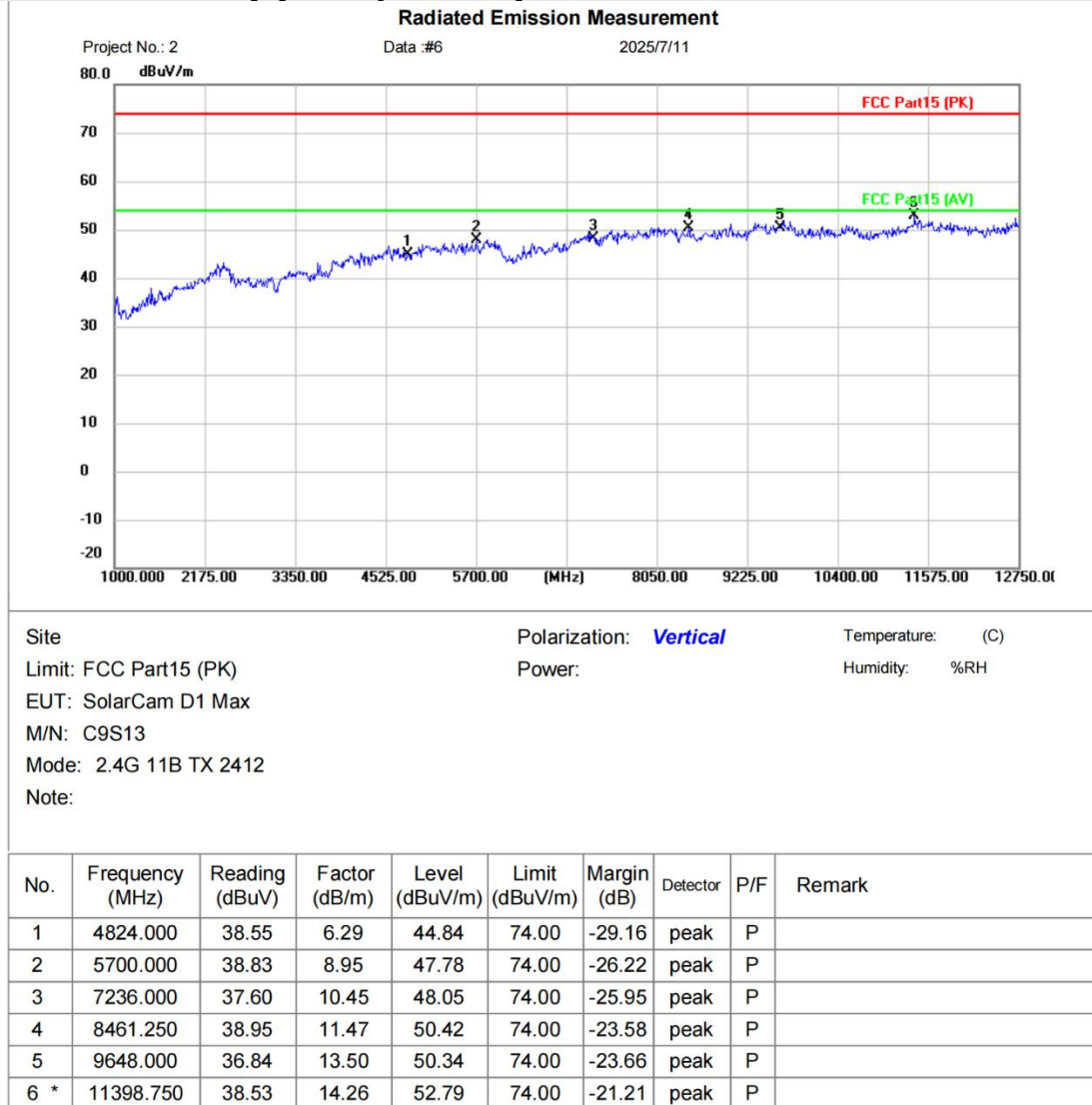


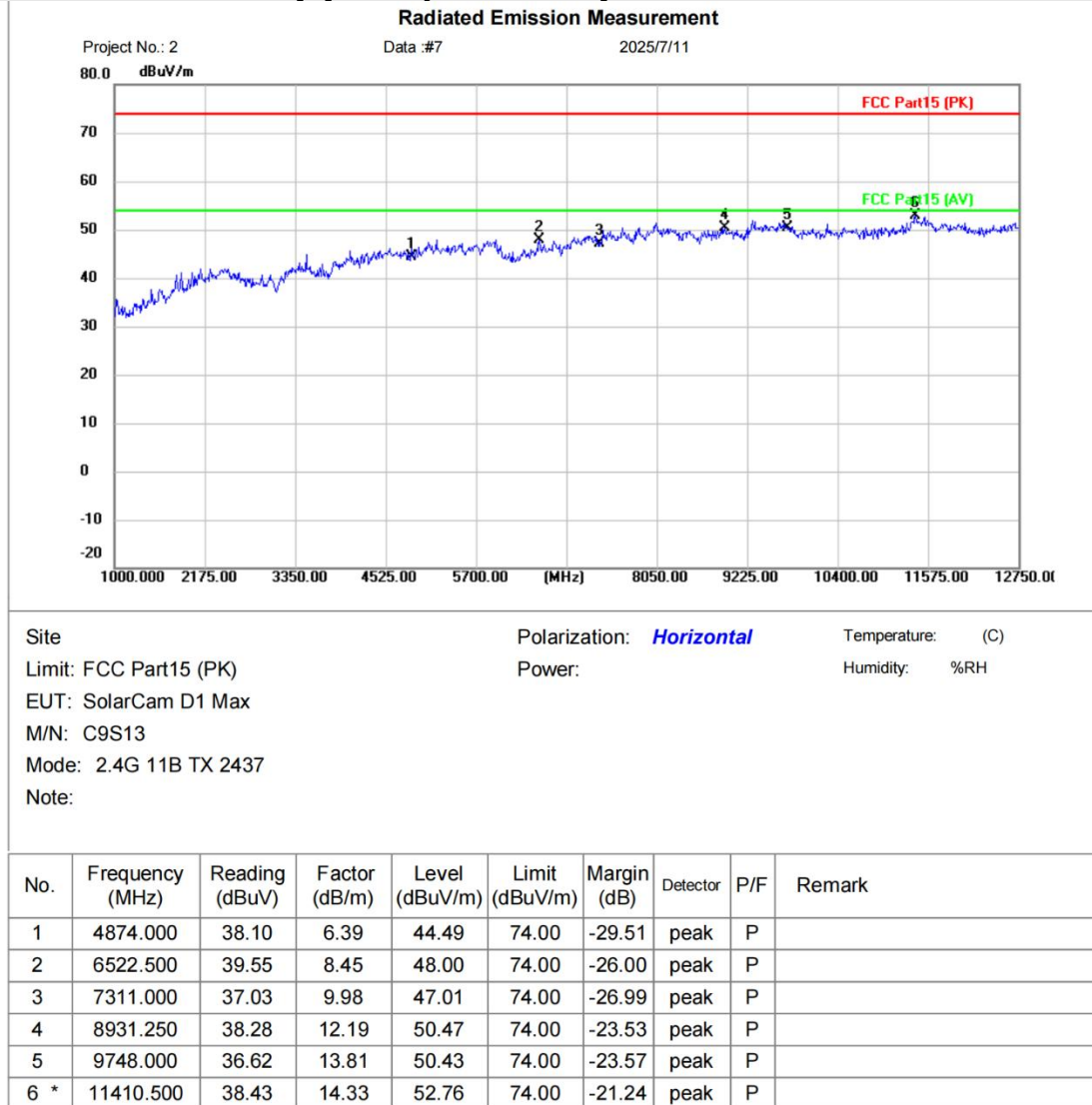
[Test mode: TX low channel]; [Polarity: Vertical]



*Maximum data x:Over limit L:lower margin

Test Result: Pass

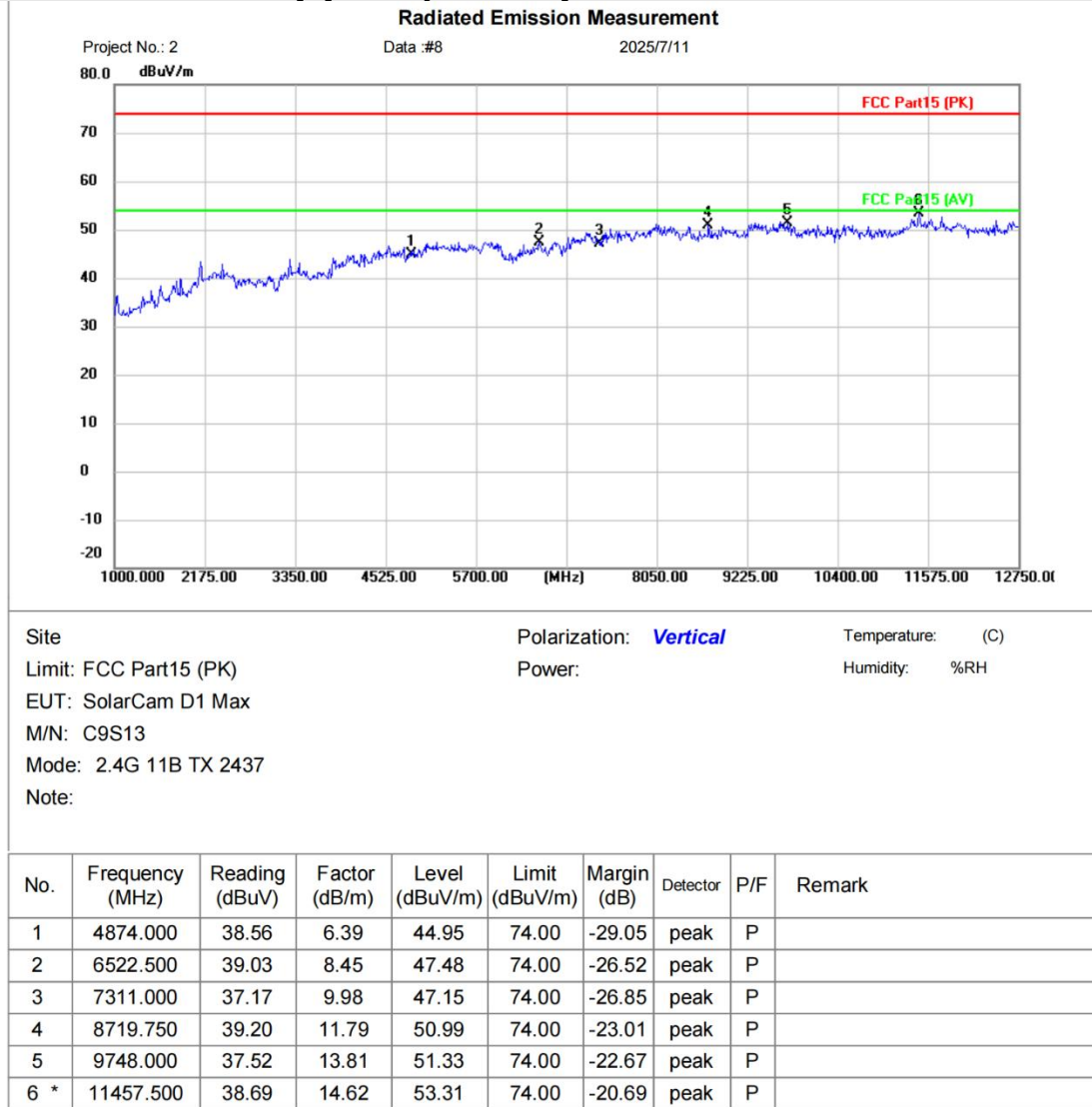
[Test mode: TX middle channel]; [Polarity: Horizontal]



*Maximum data x:Over limit L:lower margin

Test Result: Pass

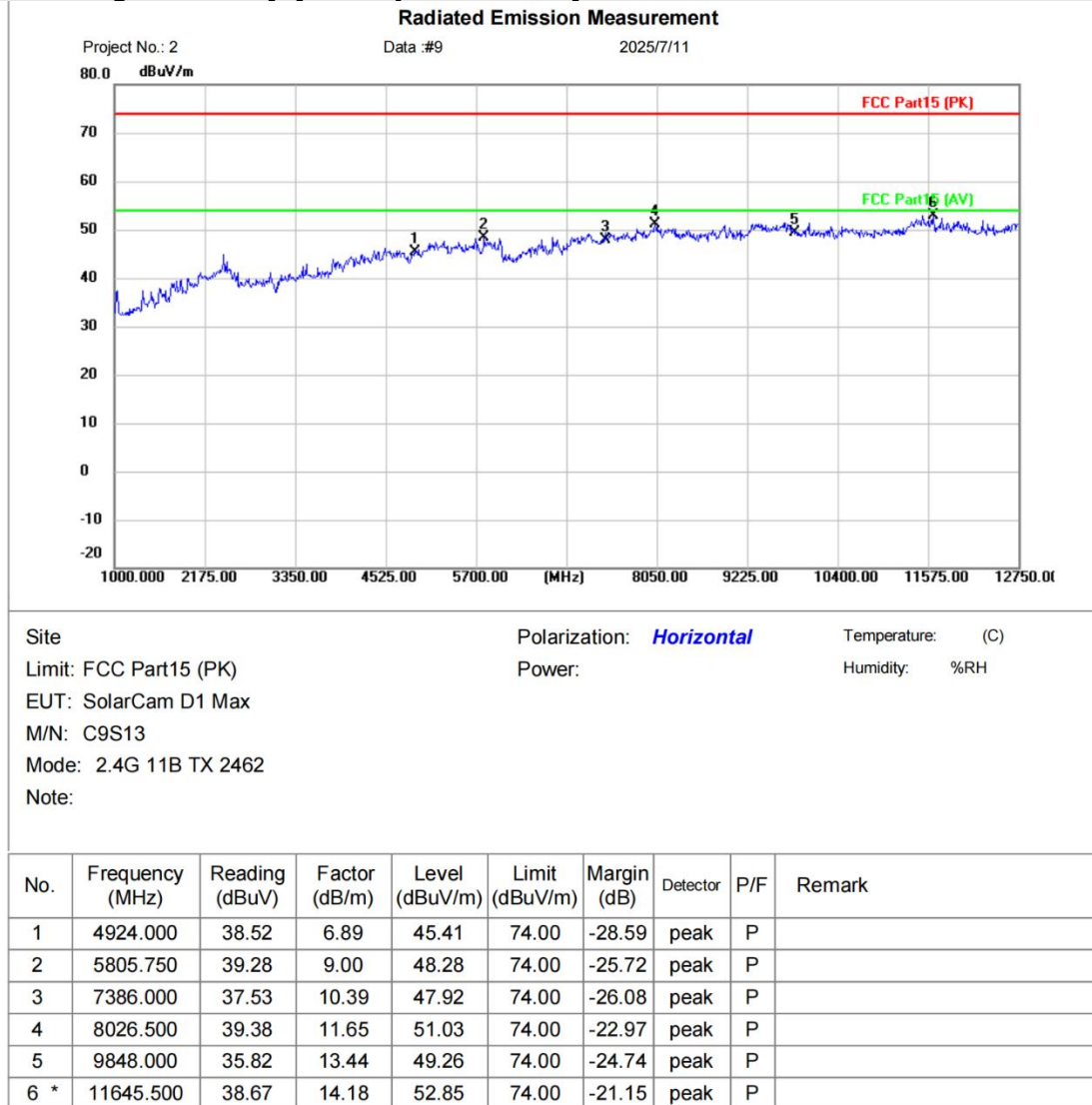
[Test mode: TX middle channel]; [Polarity: Vertical]



*Maximum data x:Over limit L:lower margin

Test Result: Pass

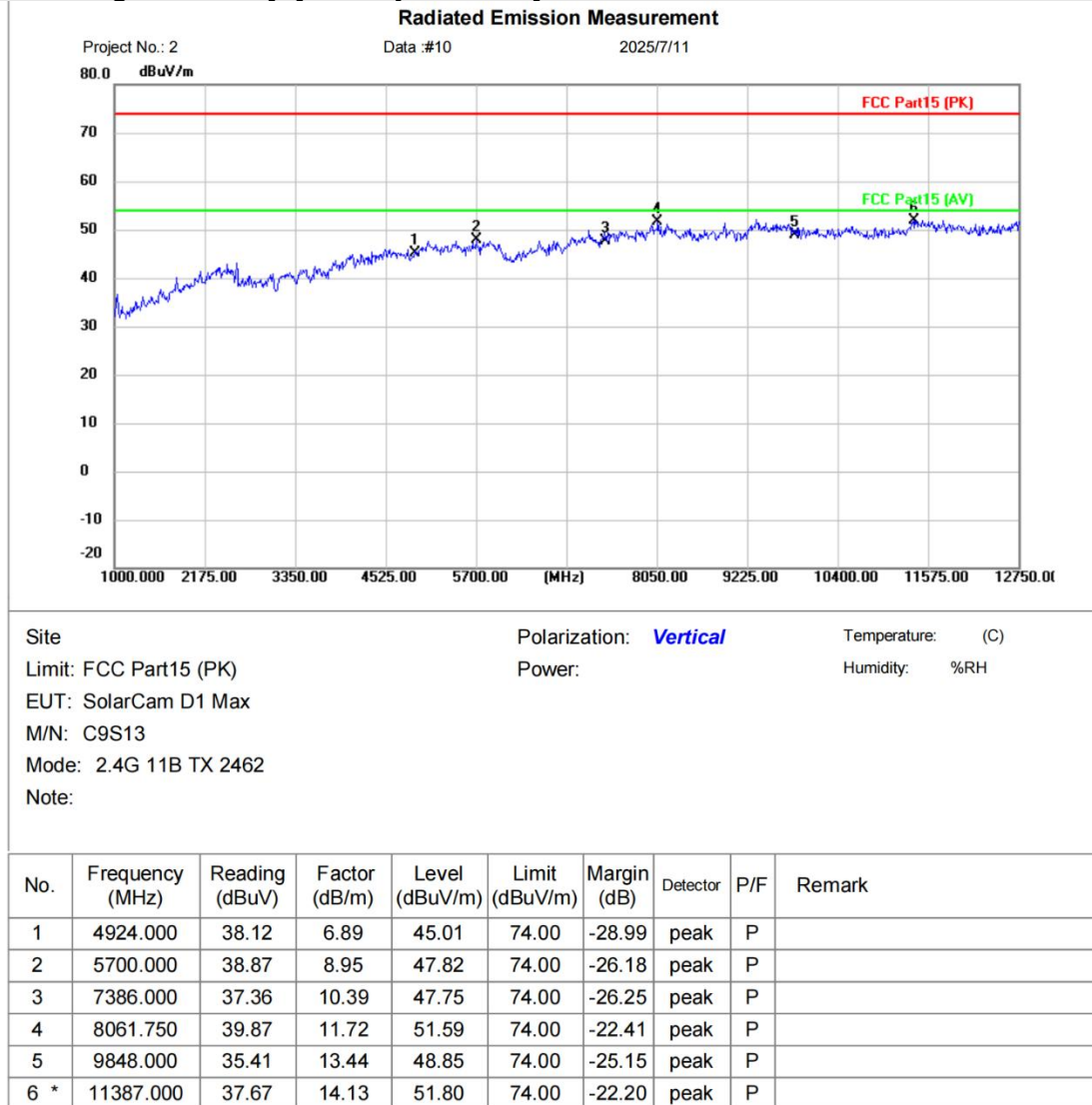
[Test mode: TX High channel]; [Polarity: Horizontal]



*Maximum data x:Over limit L:lower margin

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Vertical]



*Maximum data x:Over limit L:lower margin

Test Result: Pass

6.9 Radiated emissions which fall in the restricted bands

Test Standard	47 CFR Part 15, Subpart C 15.247(d)
Test Method	ANSI C63.10-2020+Cor.1-2023 Clause 6.10.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

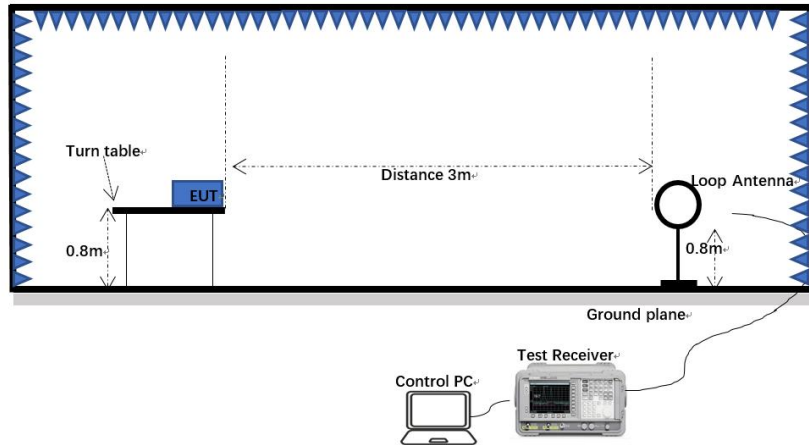
6.9.1 Limit

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

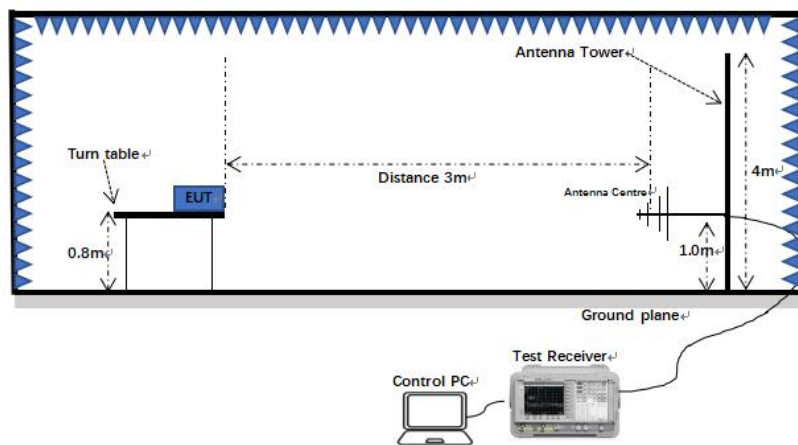
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

6.9.2 Test setup

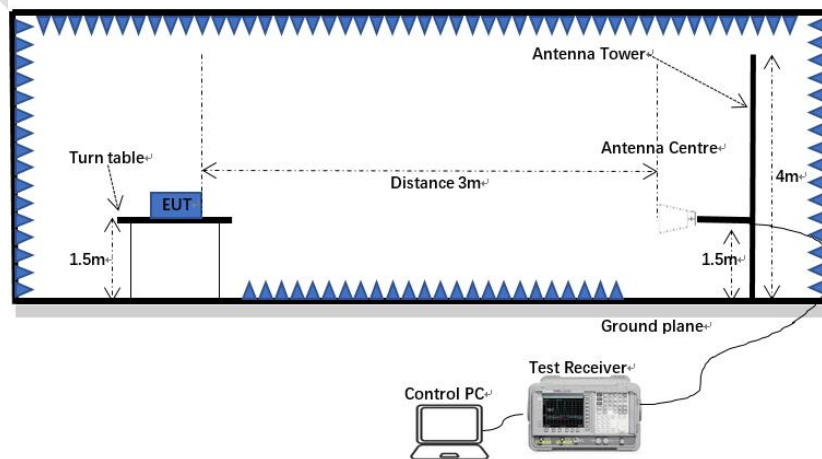
Below 1GHz:



30MHz-1GHz:



Above 1GHz:



6.9.3 Procedure

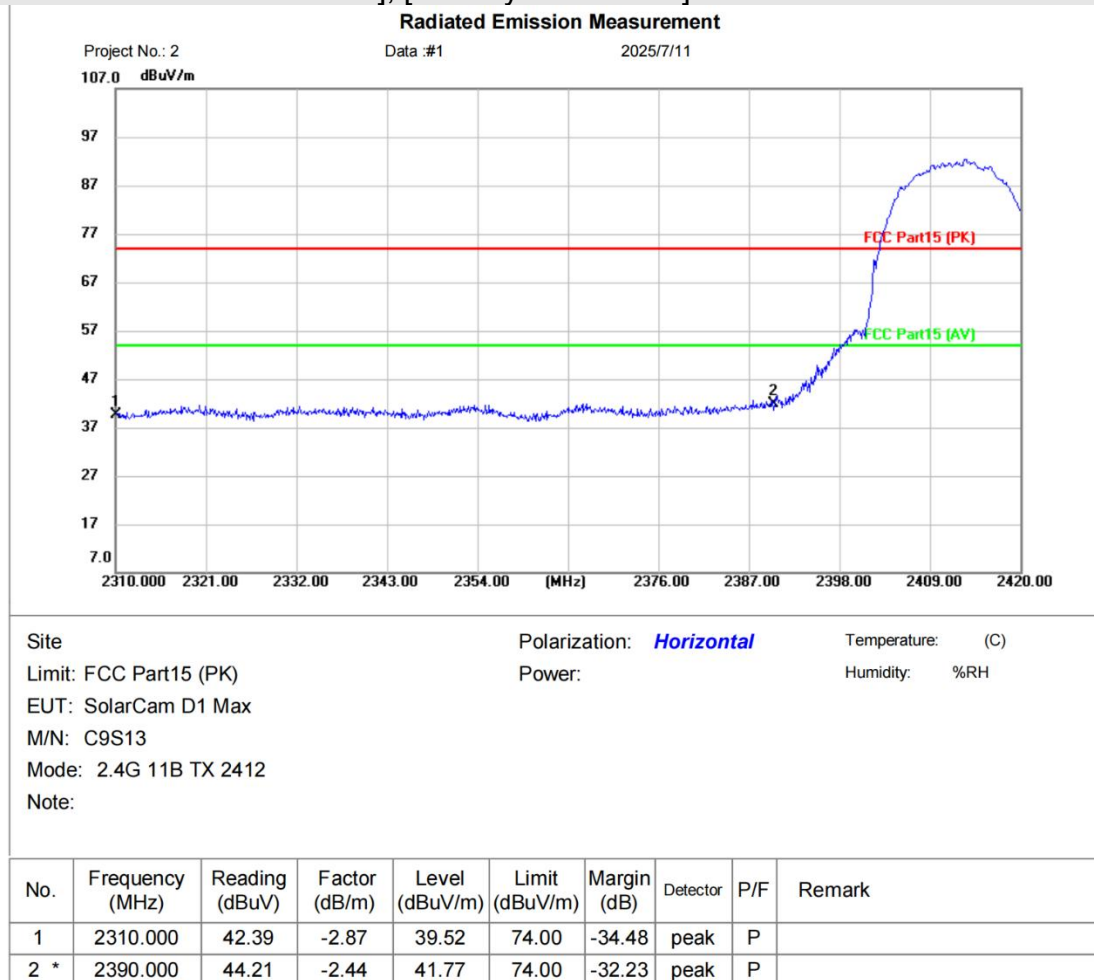
- a) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

Note 1: Level (dBuV) = Reading (dBuV) + Factor (dB/m)

Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

6.9.4 Test data

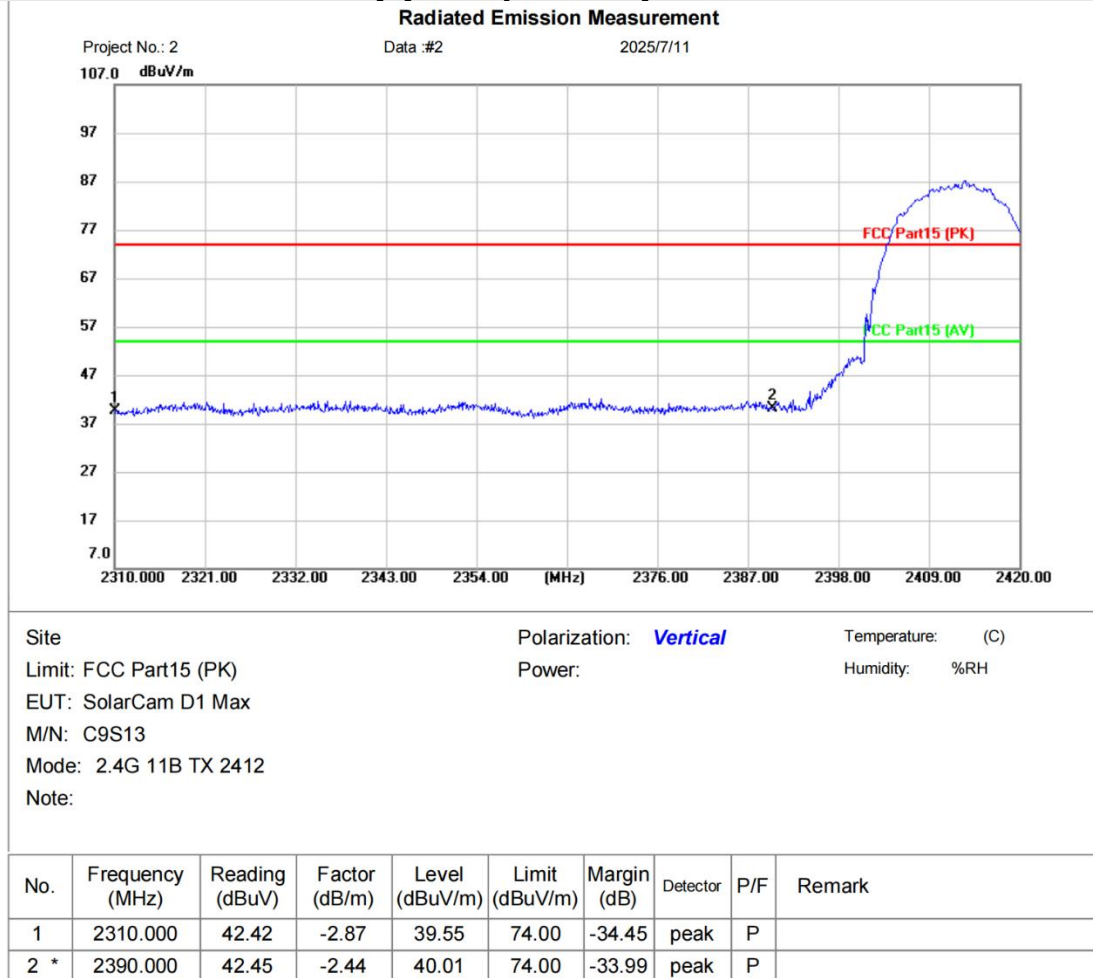
[Test mode: 802.11B TX low channel]; [Polarity: Horizontal]



*:Maximum data y:Over limit l:over margin

Test Result: Pass

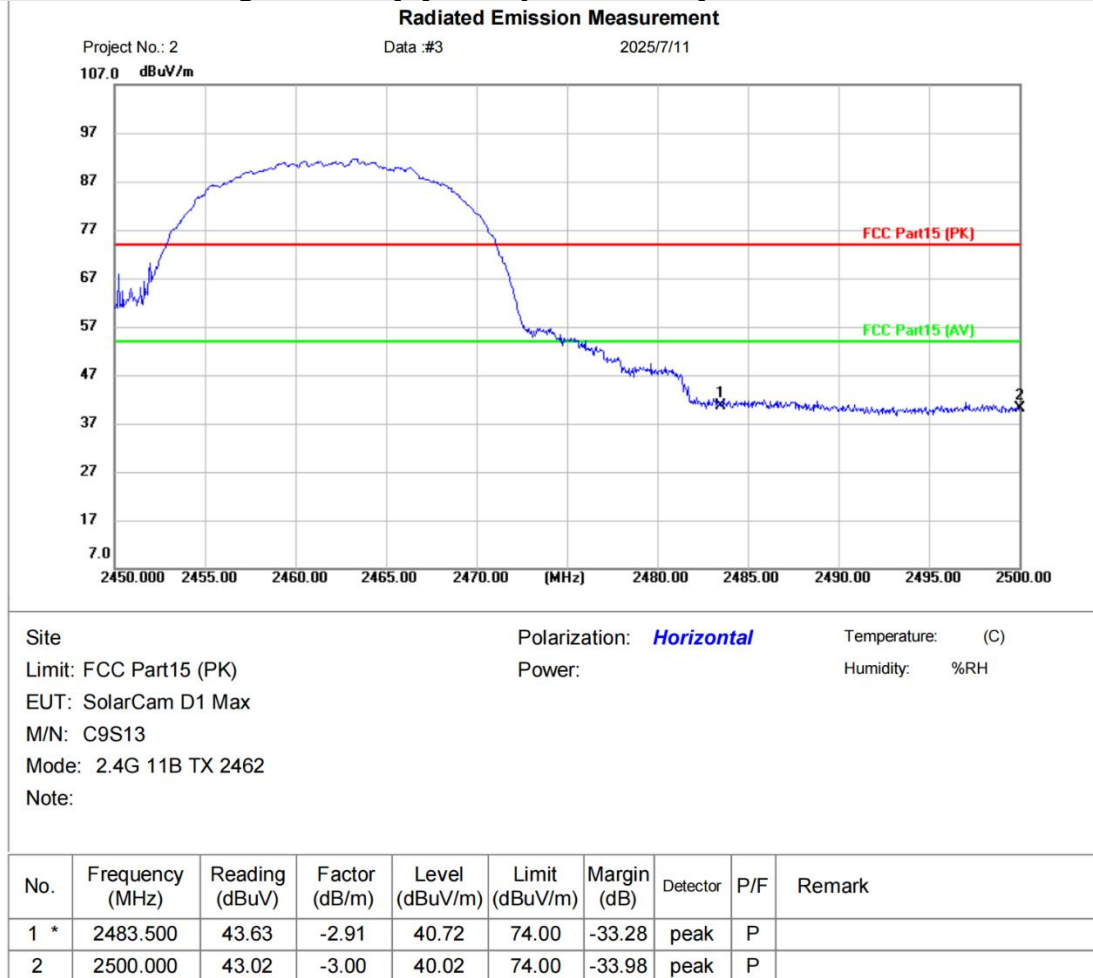
[Test mode: 802.11B TX low channel]; [Polarity: Vertical]



*:Maximum data x:Over limit L:over margin

Test Result: Pass

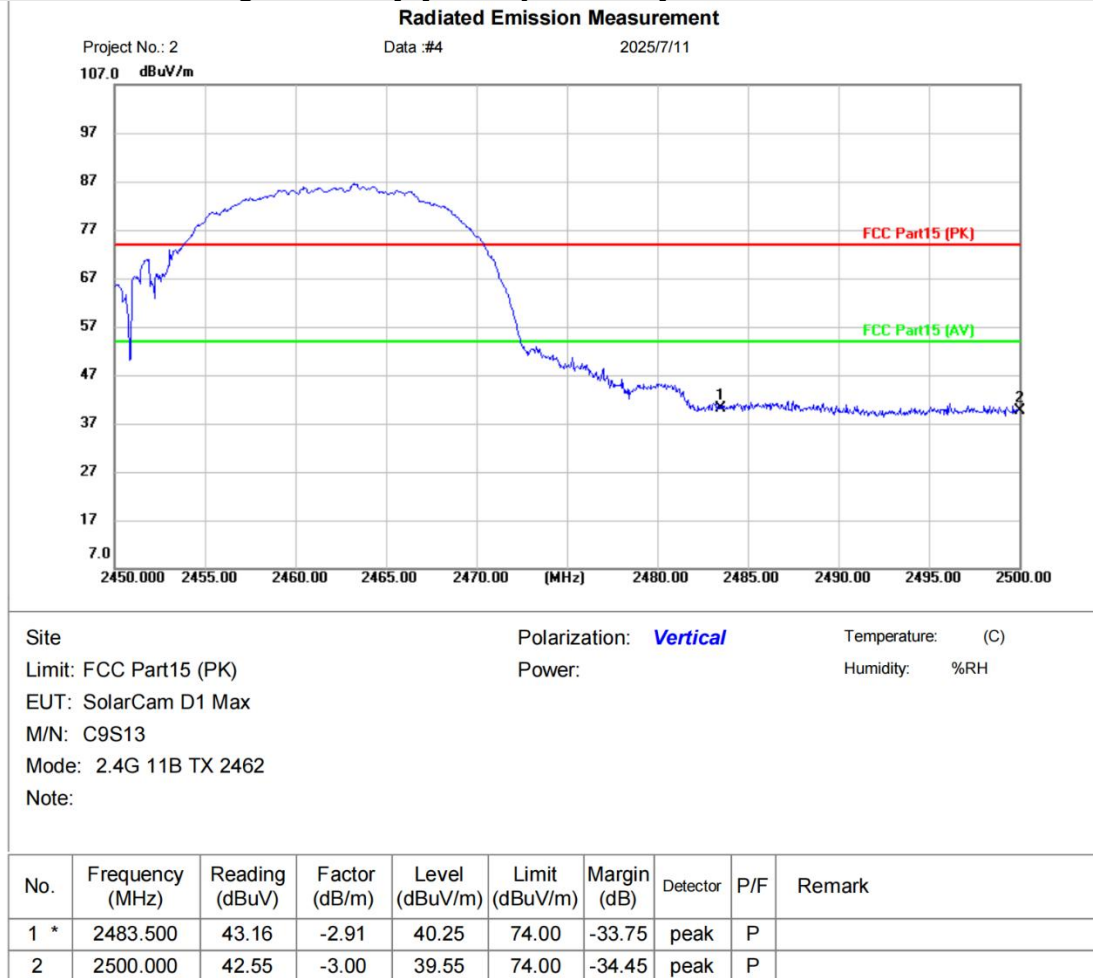
[Test mode: 802.11B TX High channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit l:lower margin

Test Result: Pass

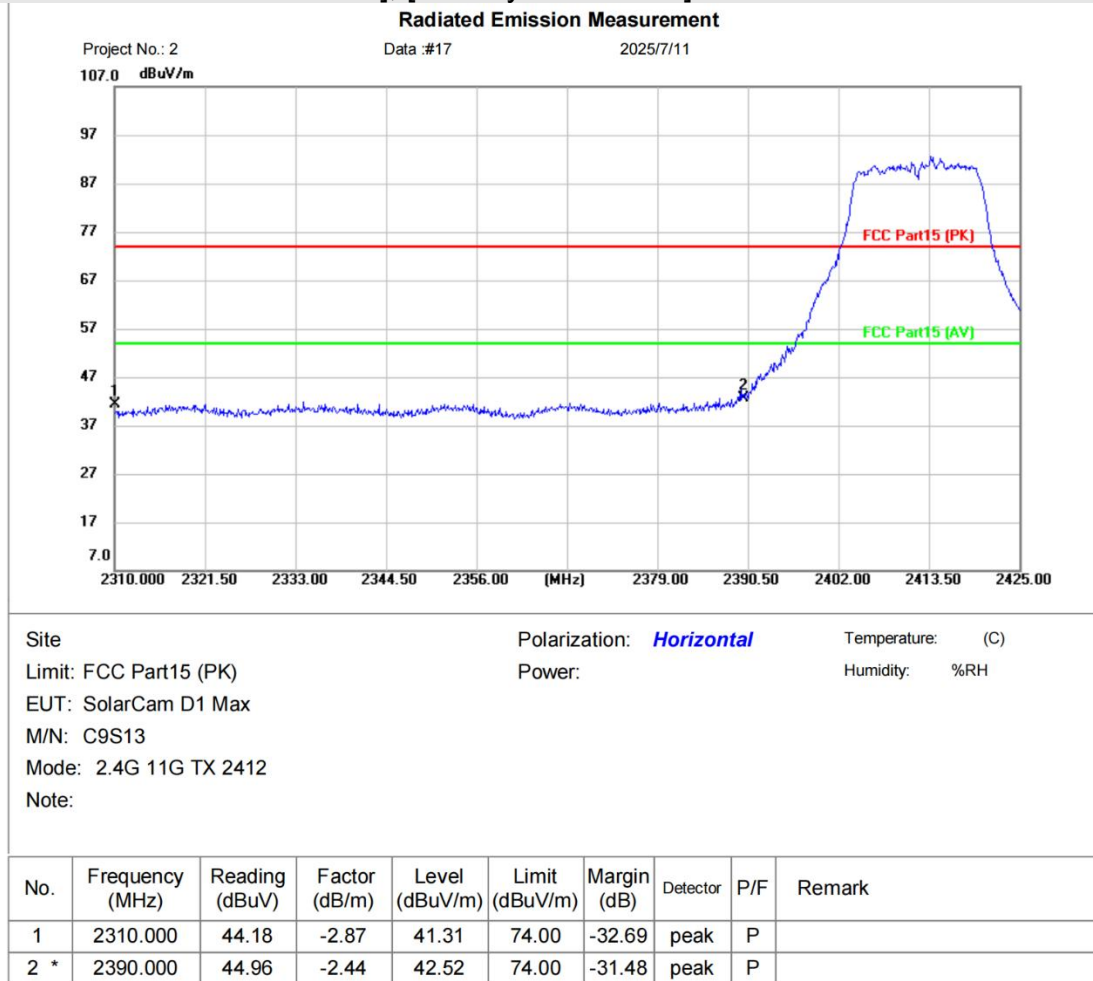
[Test mode: 802.11B TX High channel]; [Polarity: Vertical]



*Maximum data x:Over limit !:over margin

Test Result: Pass

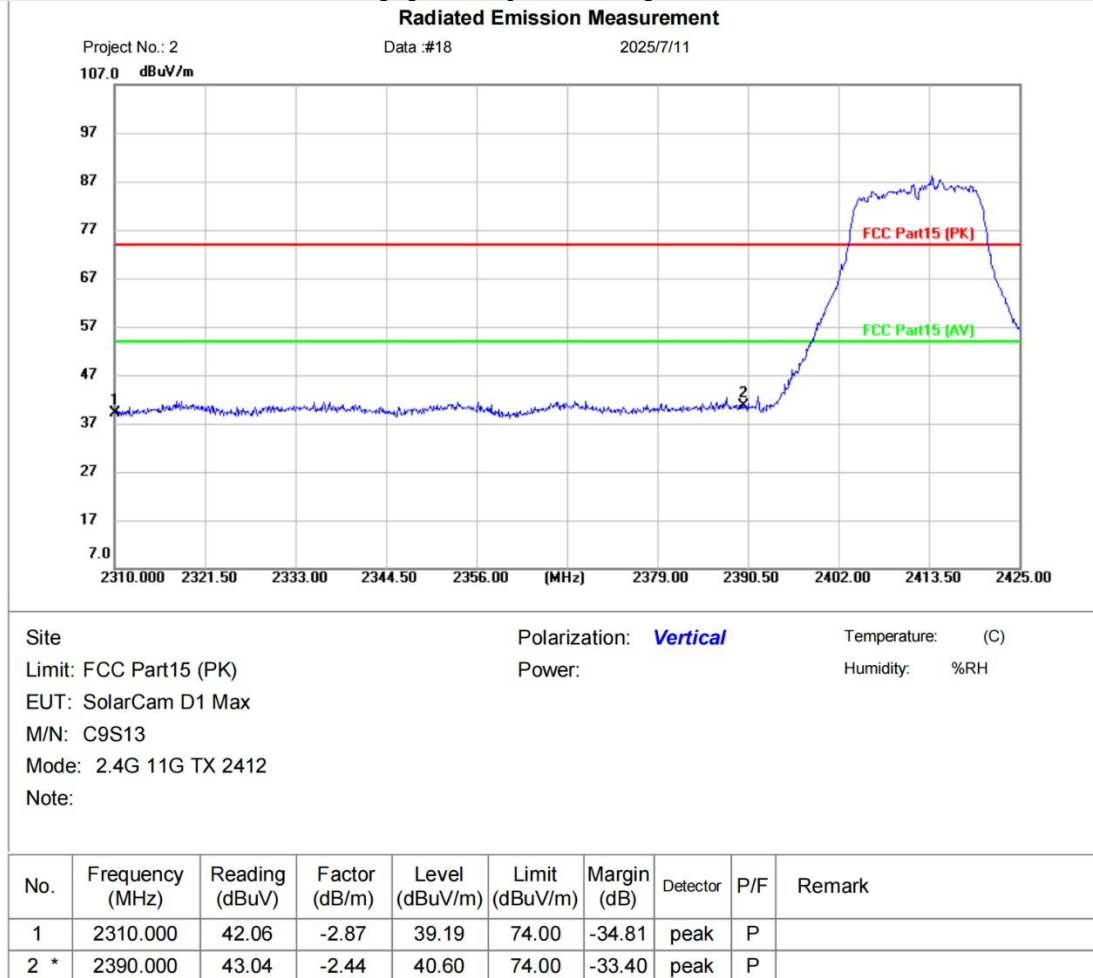
[Test mode: 802.11G TX low channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit l:over margin

Test Result: Pass

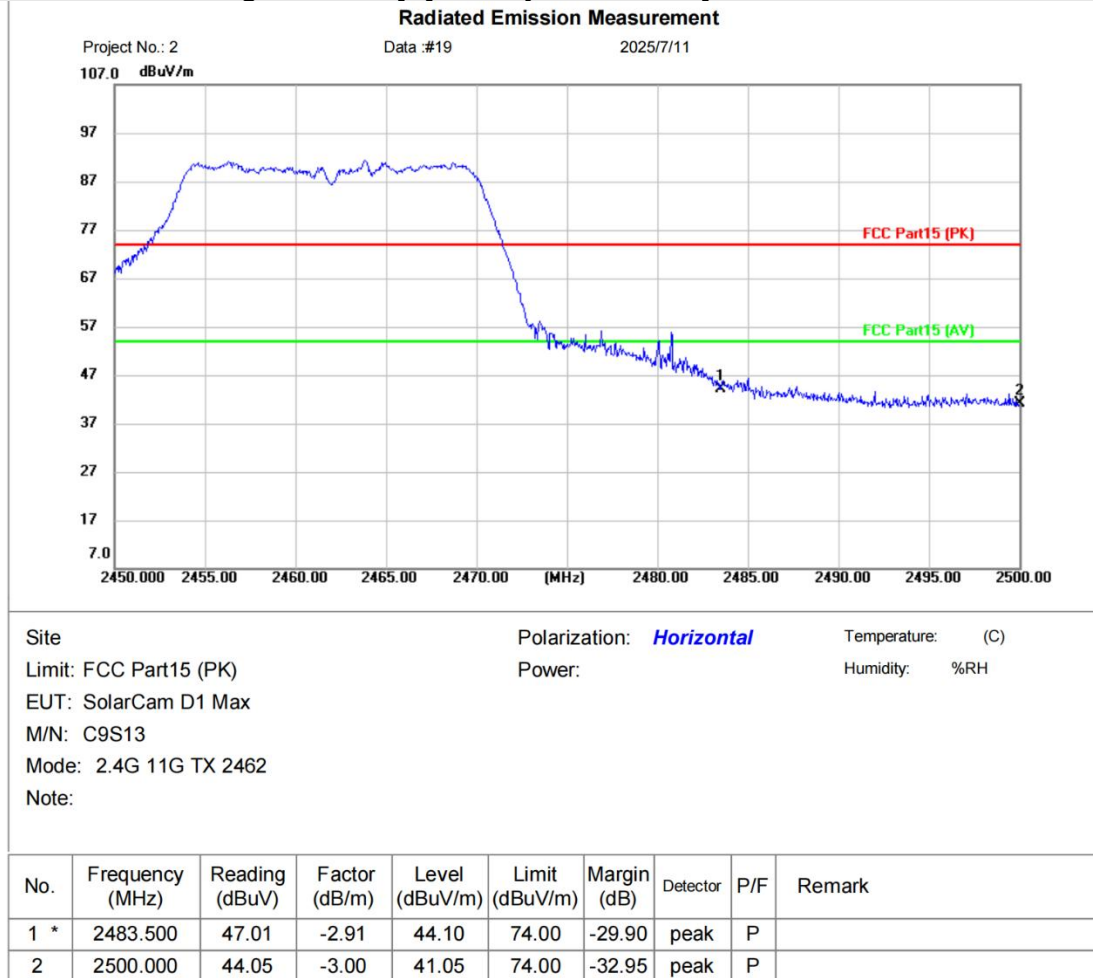
[Test mode: 802.11G TX low channel]; [Polarity: Vertical]



*:Maximum data y:Over limit l:over margin

Test Result: Pass

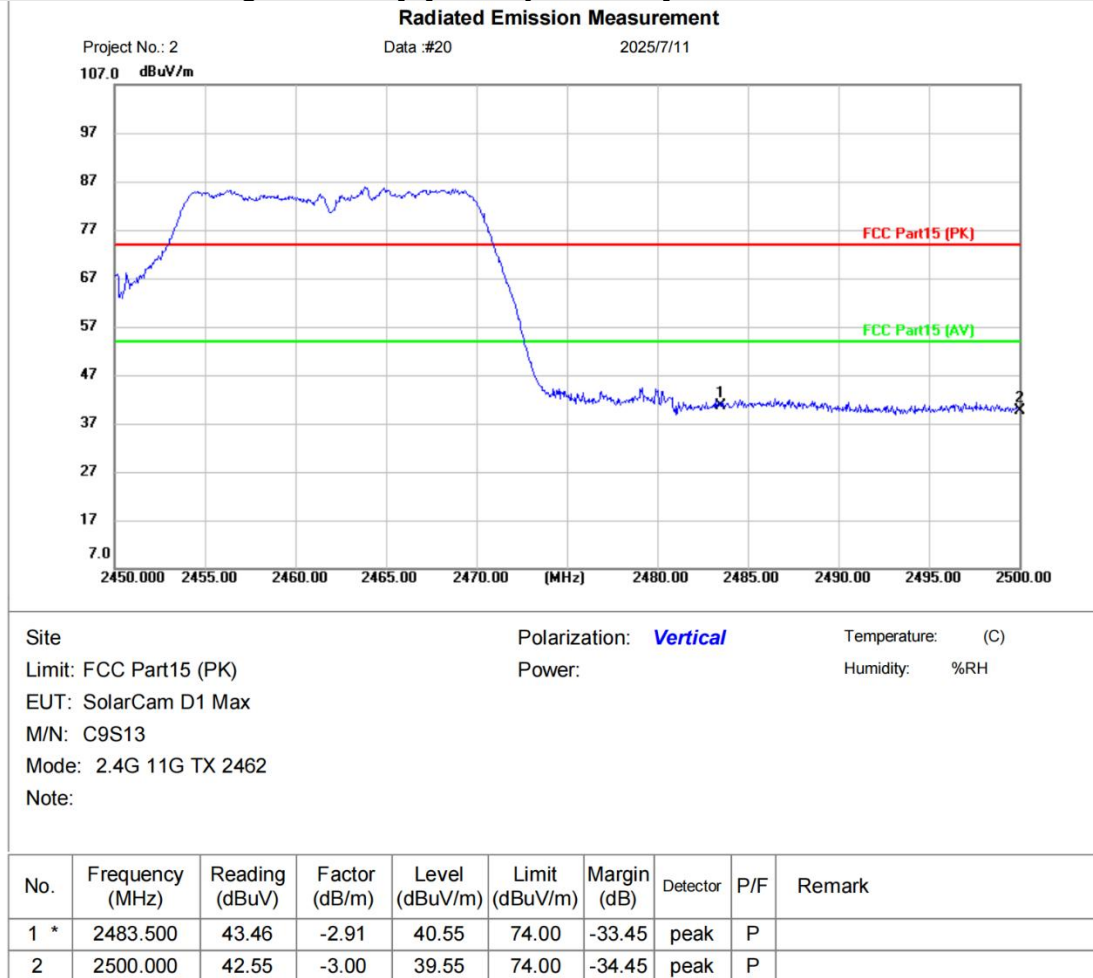
[Test mode: 802.11G TX High channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

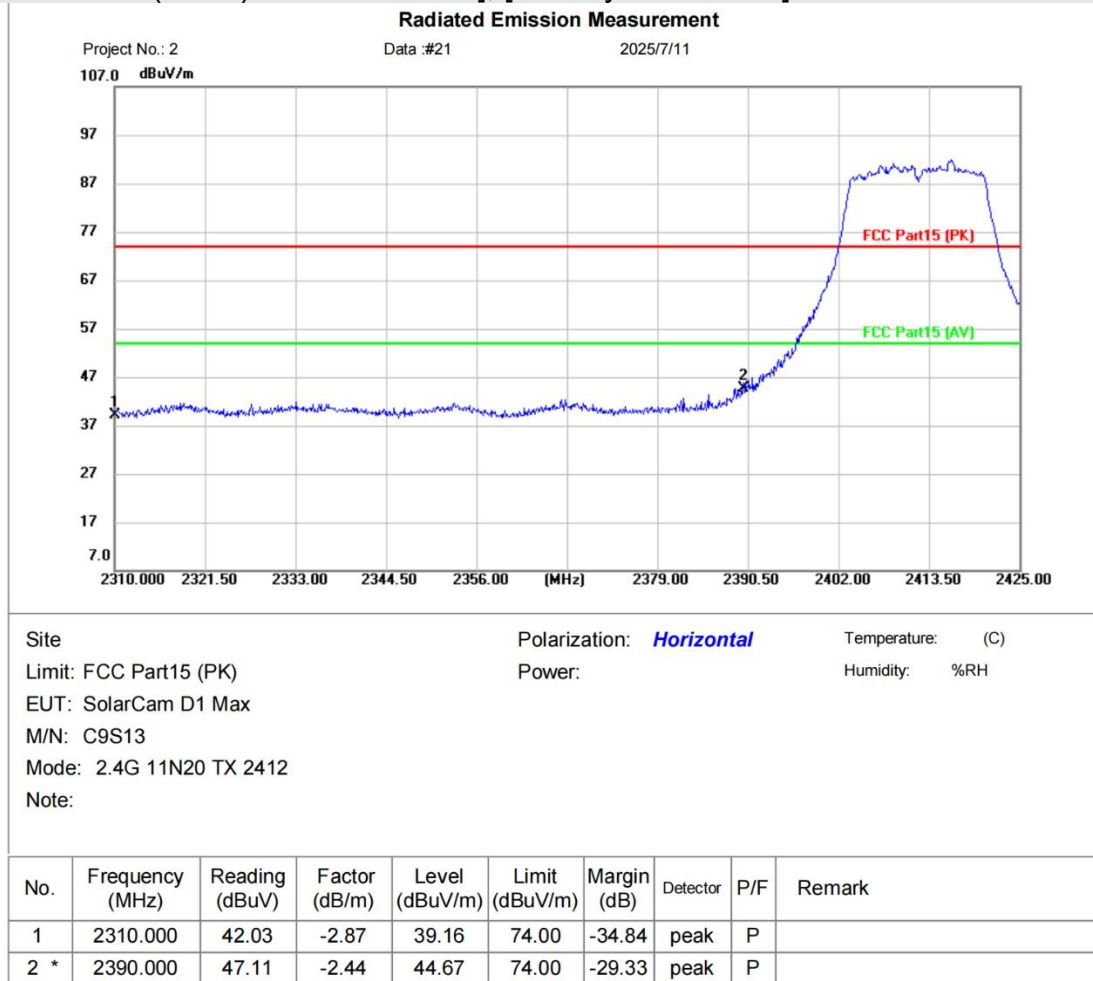
[Test mode: 802.11G TX High channel]; [Polarity: Vertical]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

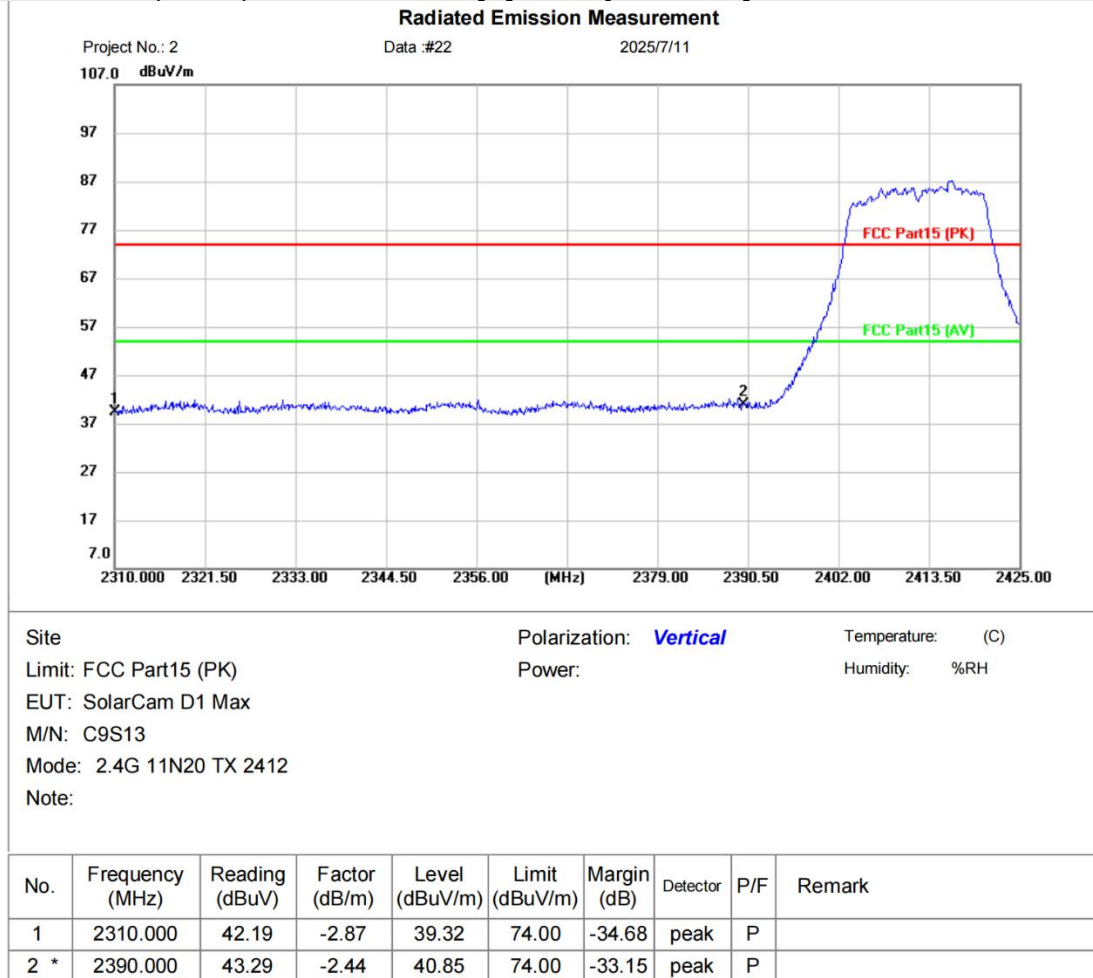
[Test mode: 802.11N(HT20) TX low channel]; [Polarity: Horizontal]



*Maximum data x:Over limit l:over margin

Test Result: Pass

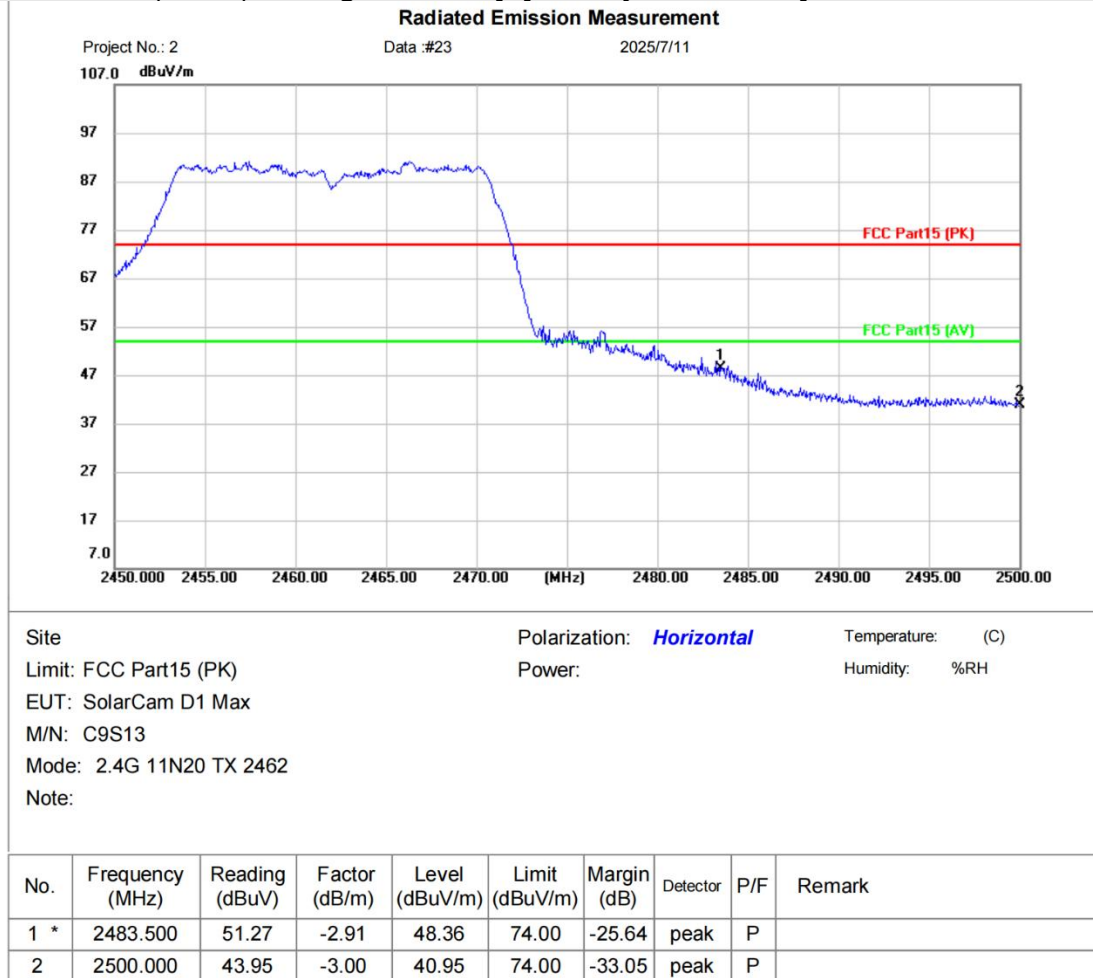
[Test mode: 802.11N(HT20) TX low channel]; [Polarity: Vertical]



*:Maximum data y:Over limit l:lower margin

Test Result: Pass

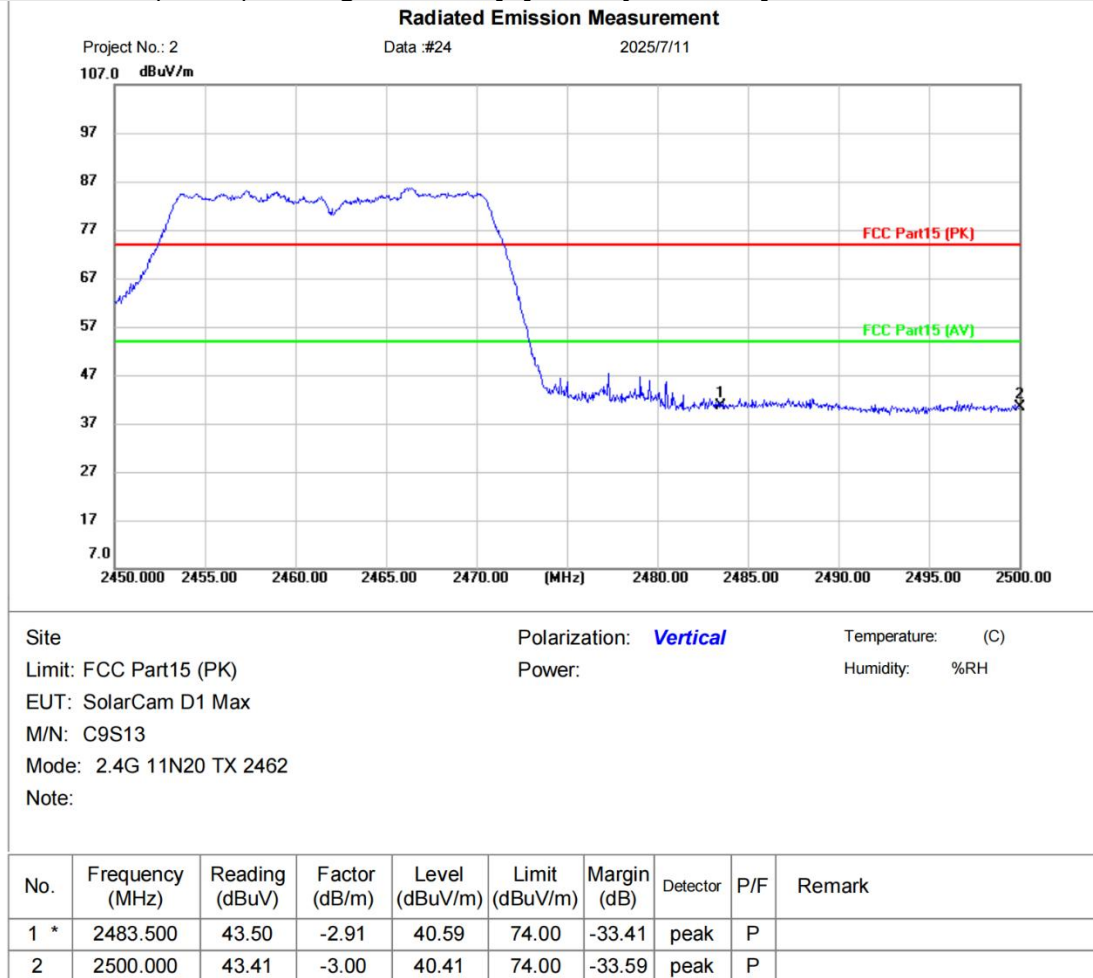
[Test mode: 802.11N(HT20) TX High channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

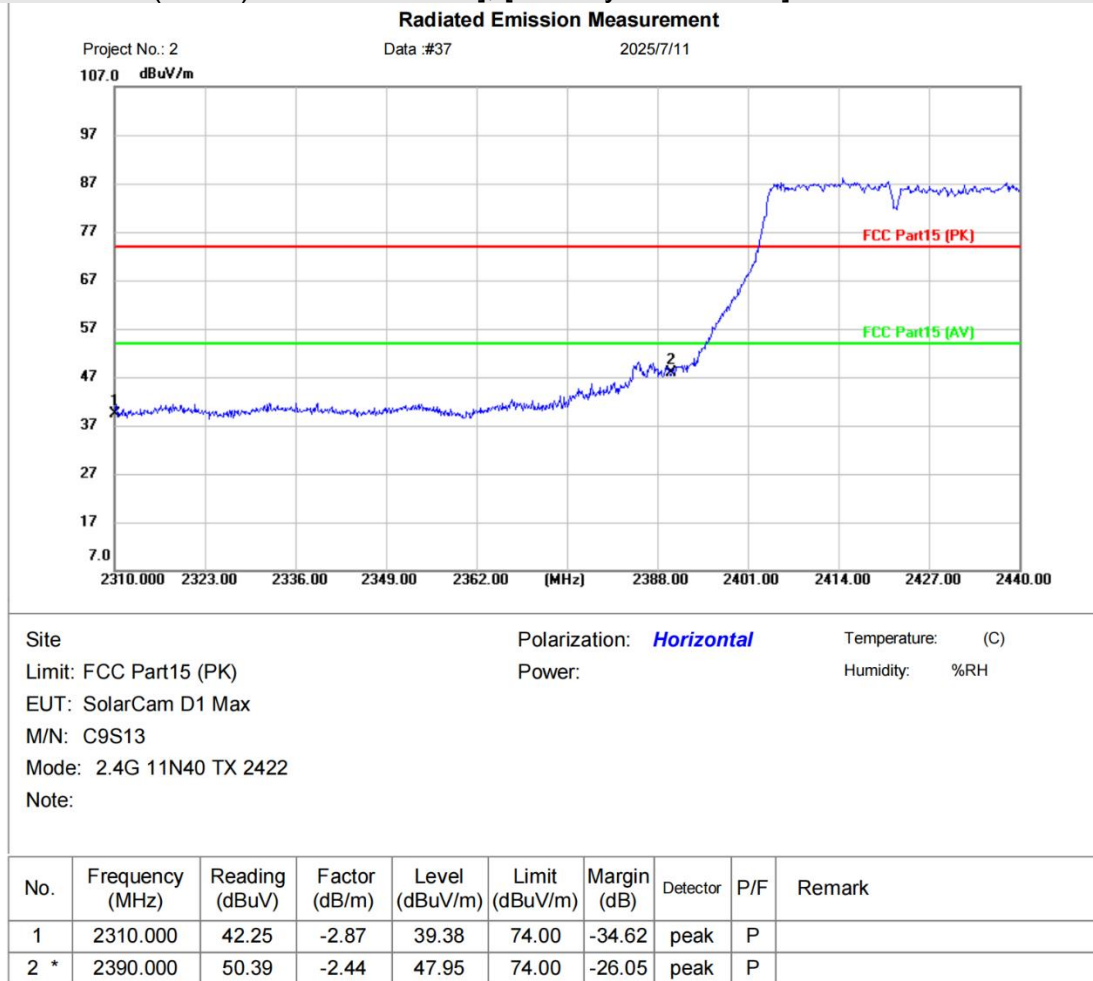
[Test mode: 802.11N(HT20) TX High channel]; [Polarity: Vertical]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

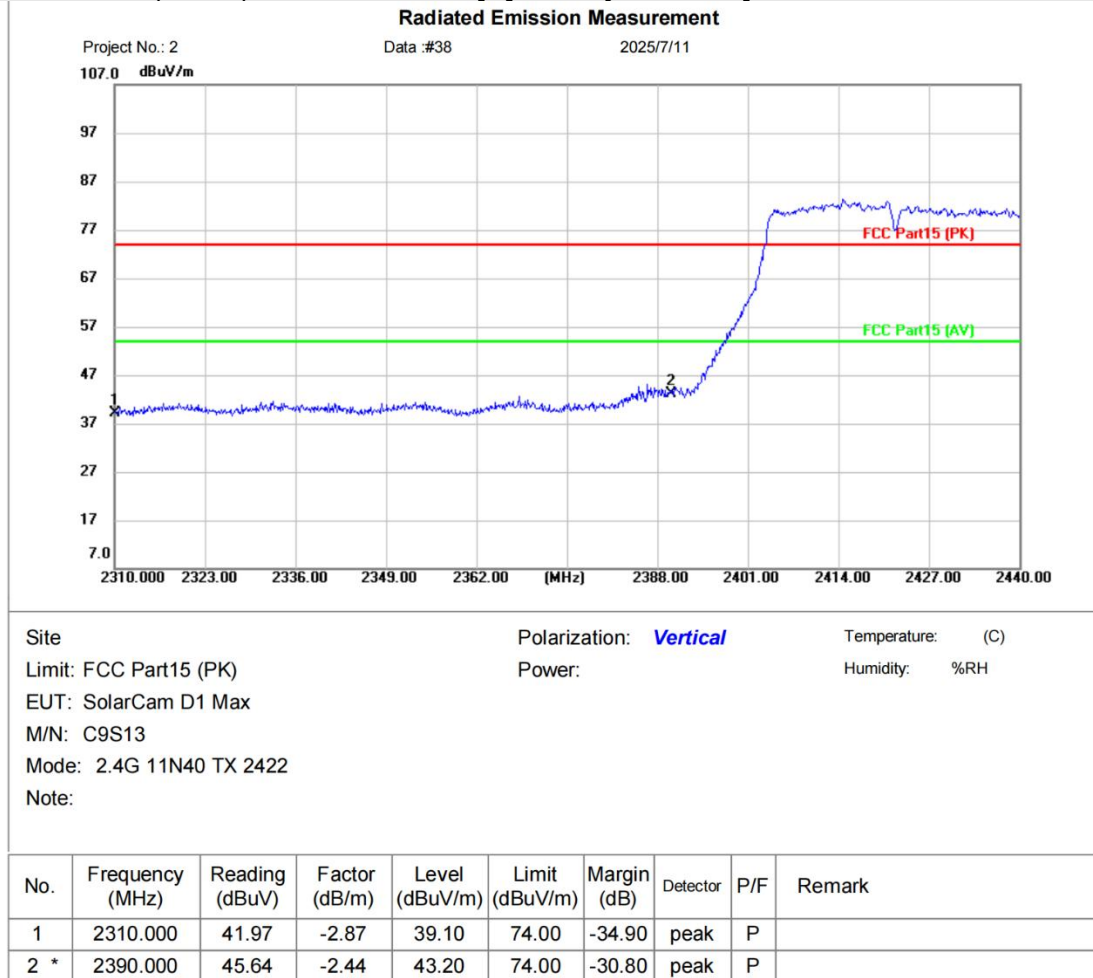
[Test mode: 802.11N(HT40) TX low channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit l:over margin

Test Result: Pass

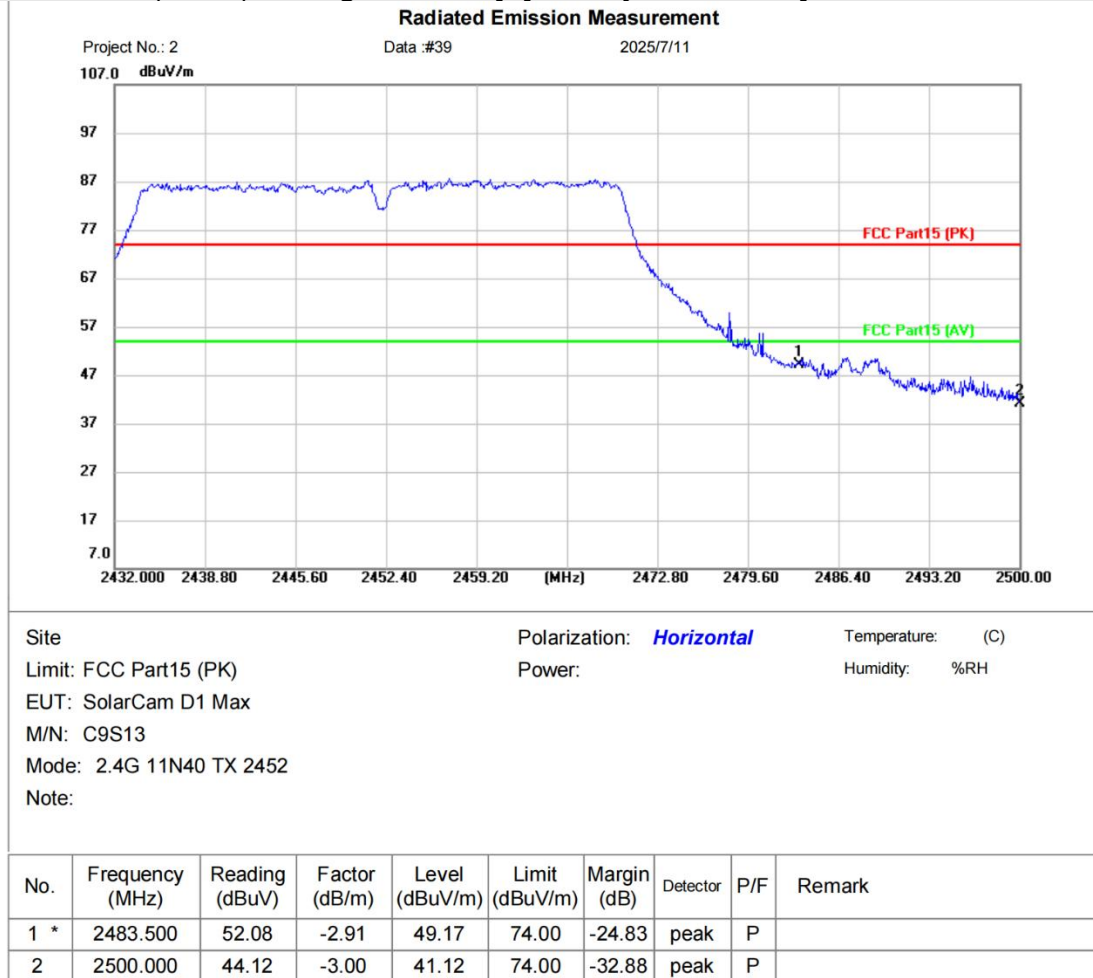
[Test mode: 802.11N(HT40) TX low channel]; [Polarity: Vertical]



*:Maximum data y:Over limit l:over margin

Test Result: Pass

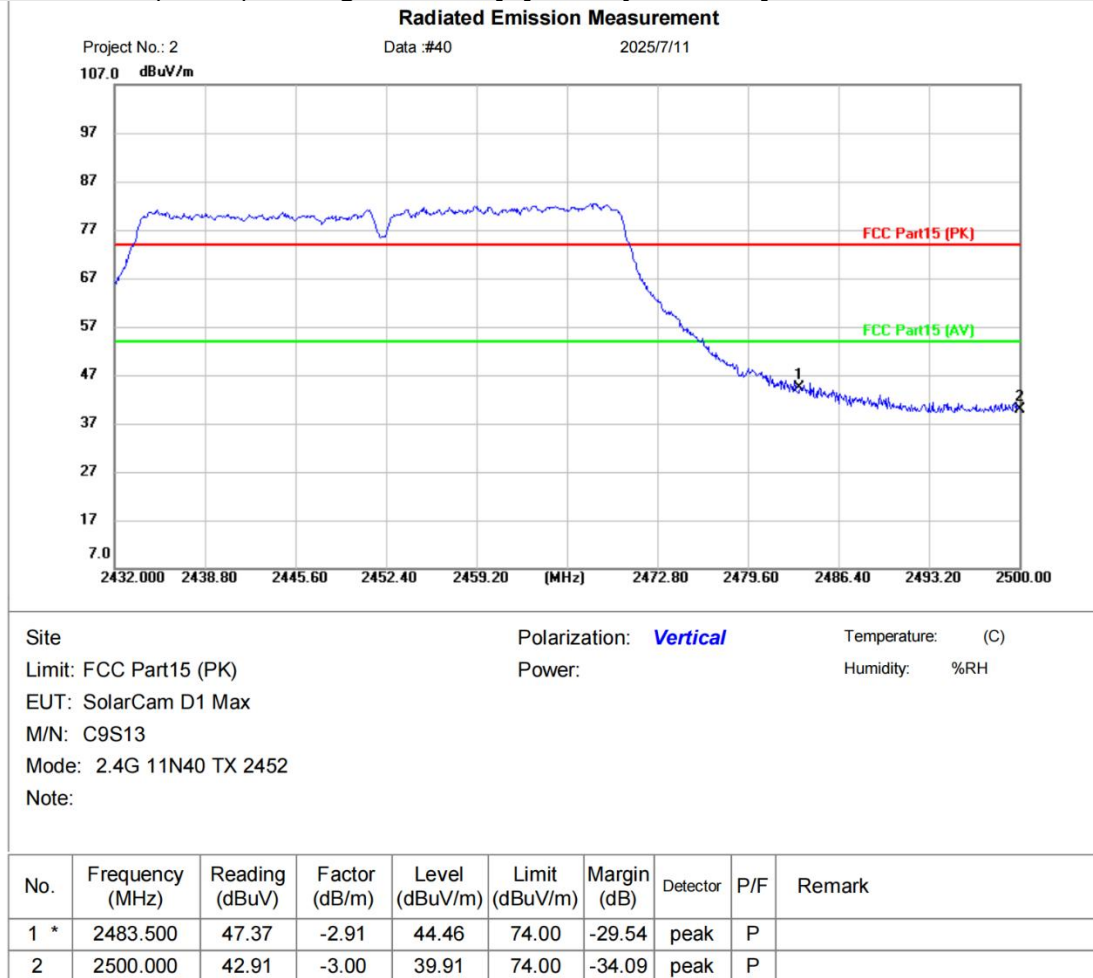
[Test mode: 802.11N(HT40) TX High channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

[Test mode: 802.11N(HT40) TX High channel]; [Polarity: Vertical]



*:Maximum data x:Over limit !:over margin

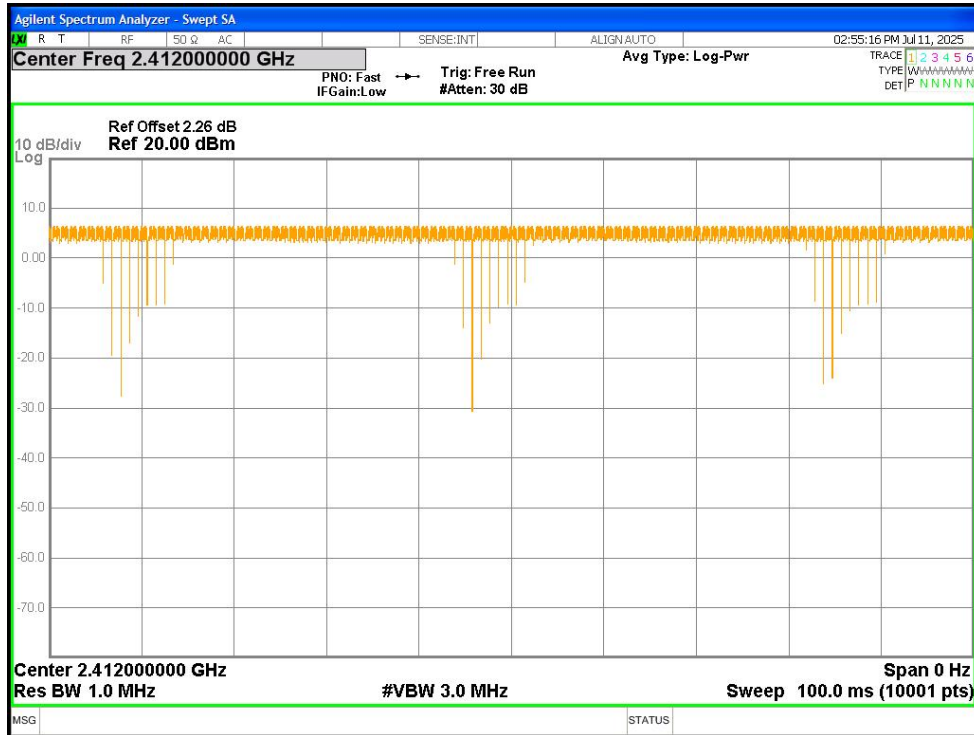
Test Result: Pass

7 Appendix A

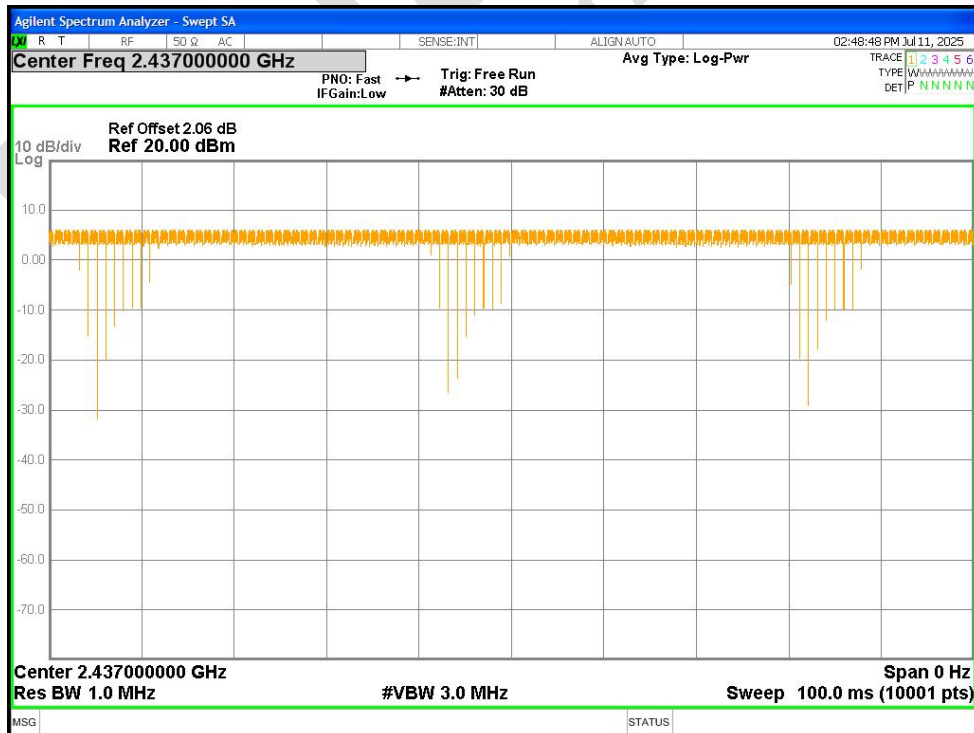
7.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	100	0
NVNT	b	2437	Ant1	100	0
NVNT	b	2462	Ant1	100	0
NVNT	g	2412	Ant1	100	0
NVNT	g	2437	Ant1	100	0
NVNT	g	2462	Ant1	100	0
NVNT	n20	2412	Ant1	100	0
NVNT	n20	2437	Ant1	100	0
NVNT	n20	2462	Ant1	100	0
NVNT	n40	2422	Ant1	100	0
NVNT	n40	2437	Ant1	100	0
NVNT	n40	2452	Ant1	100	0

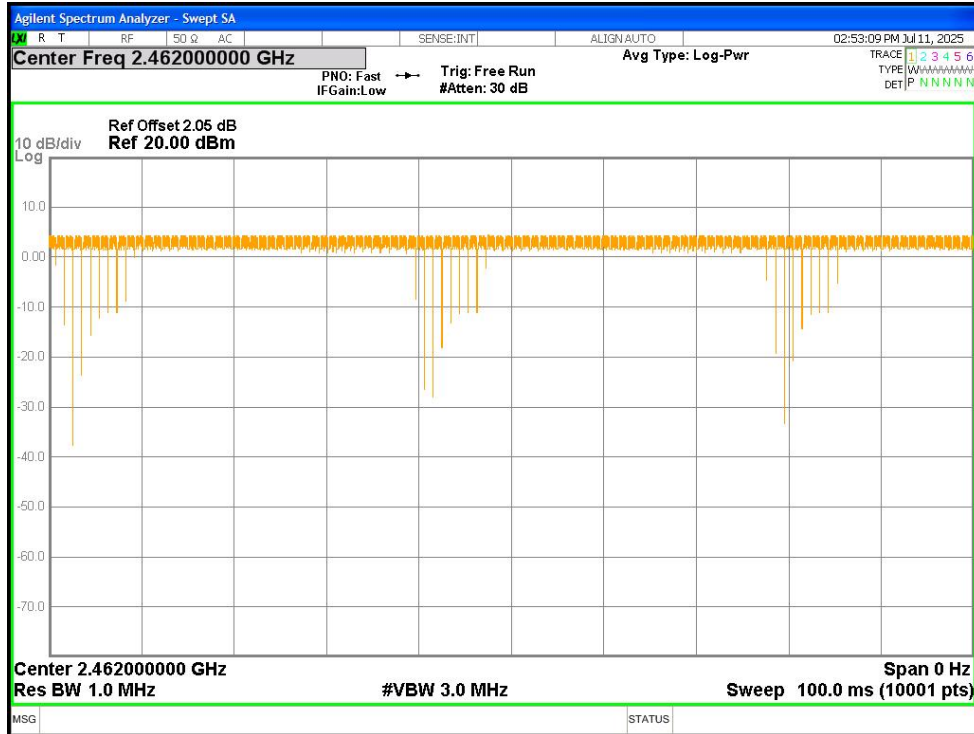
Duty Cycle NVNT b 2412MHz Ant1



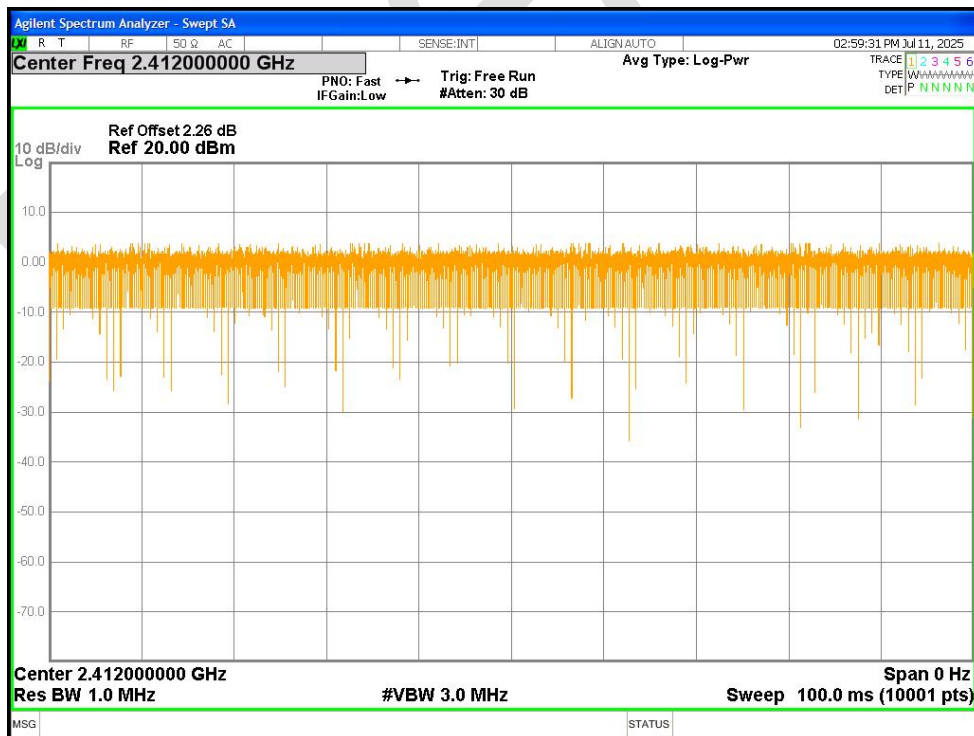
Duty Cycle NVNT b 2437MHz Ant1



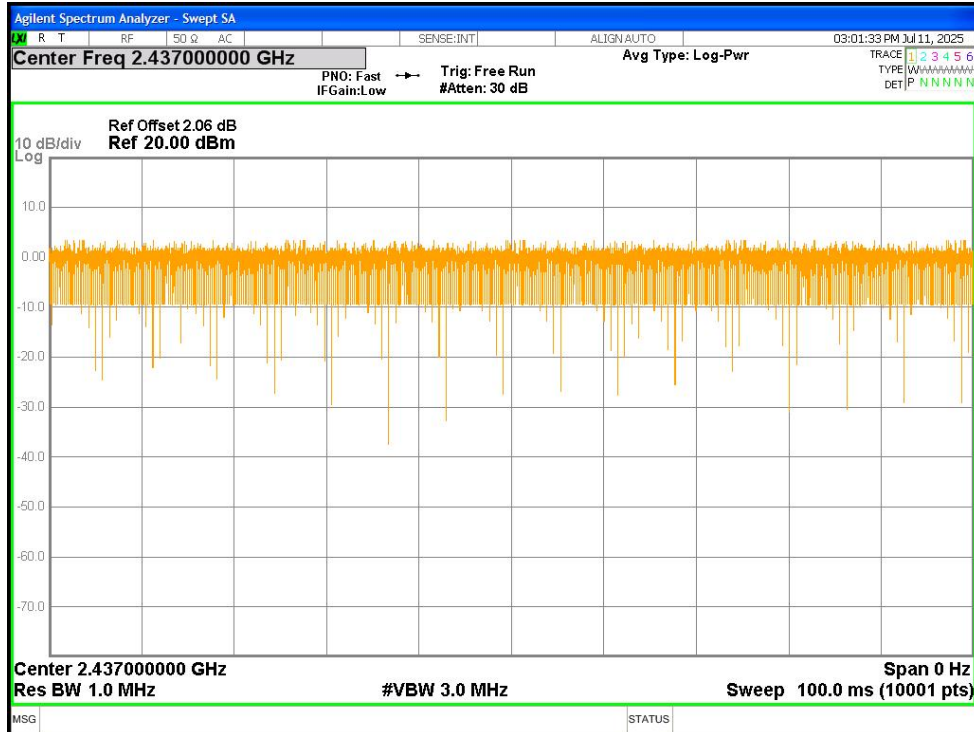
Duty Cycle NVNT b 2462MHz Ant1



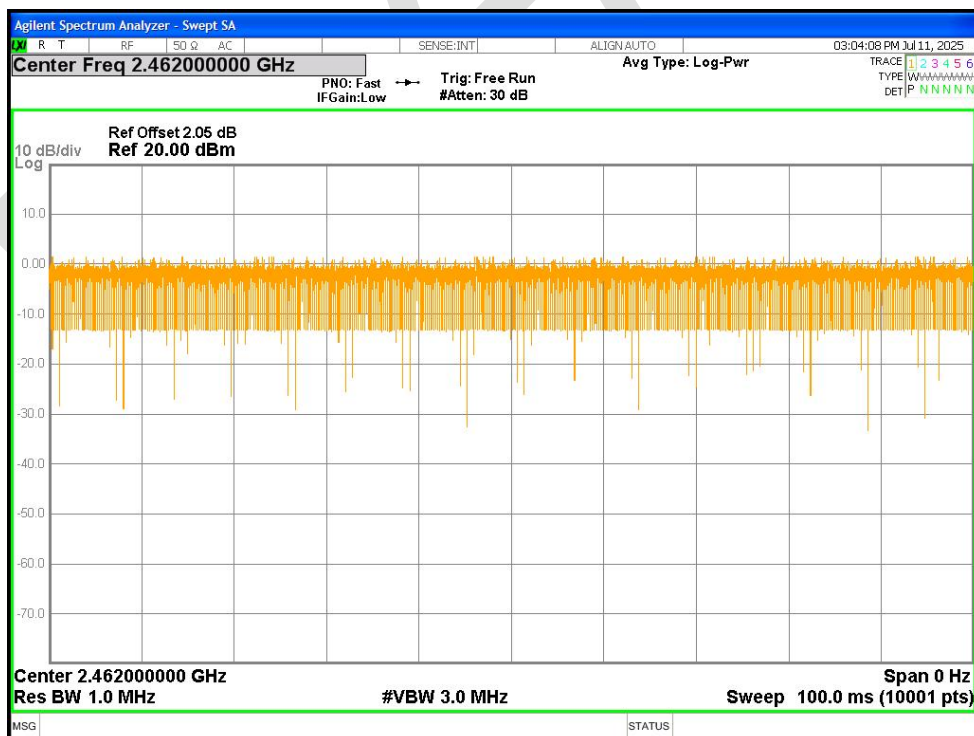
Duty Cycle NVNT g 2412MHz Ant1



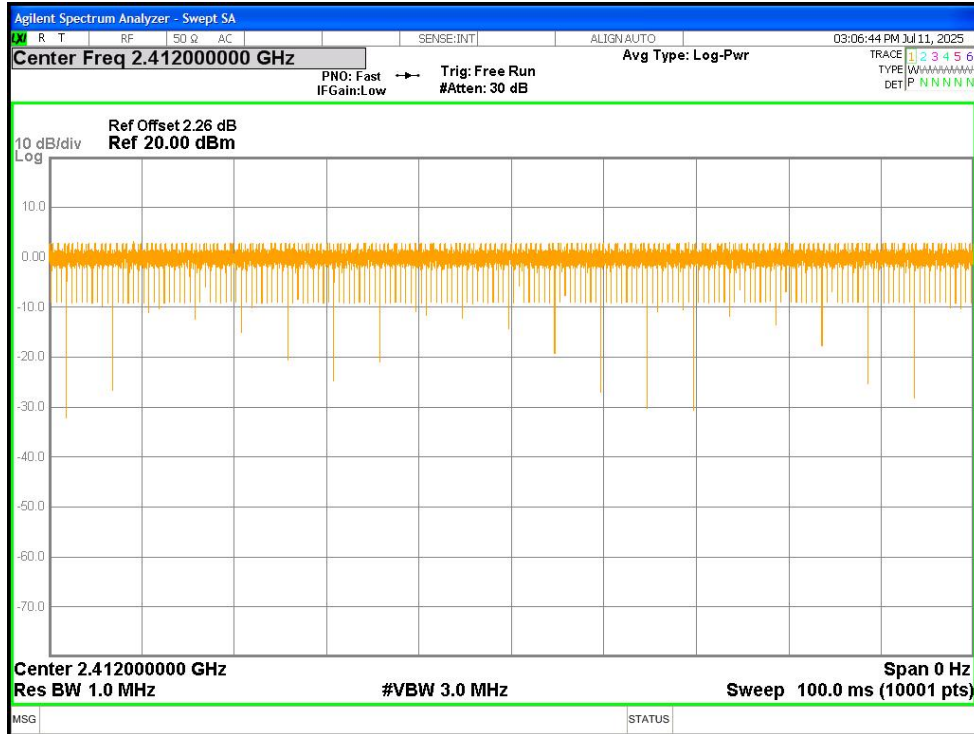
Duty Cycle NVNT g 2437MHz Ant1



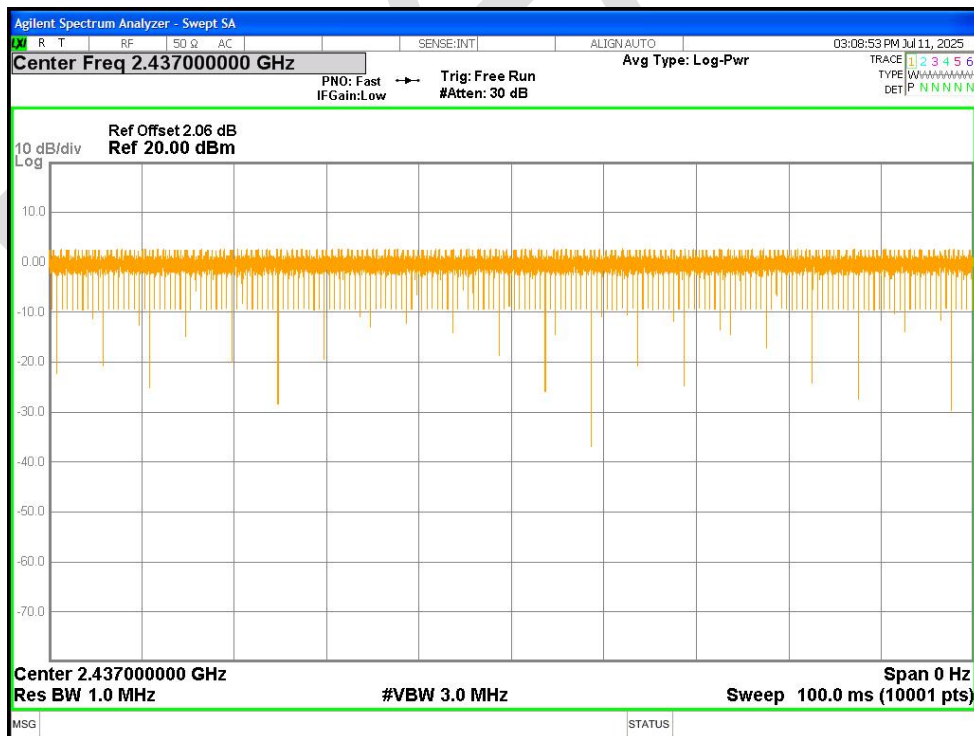
Duty Cycle NVNT g 2462MHz Ant1



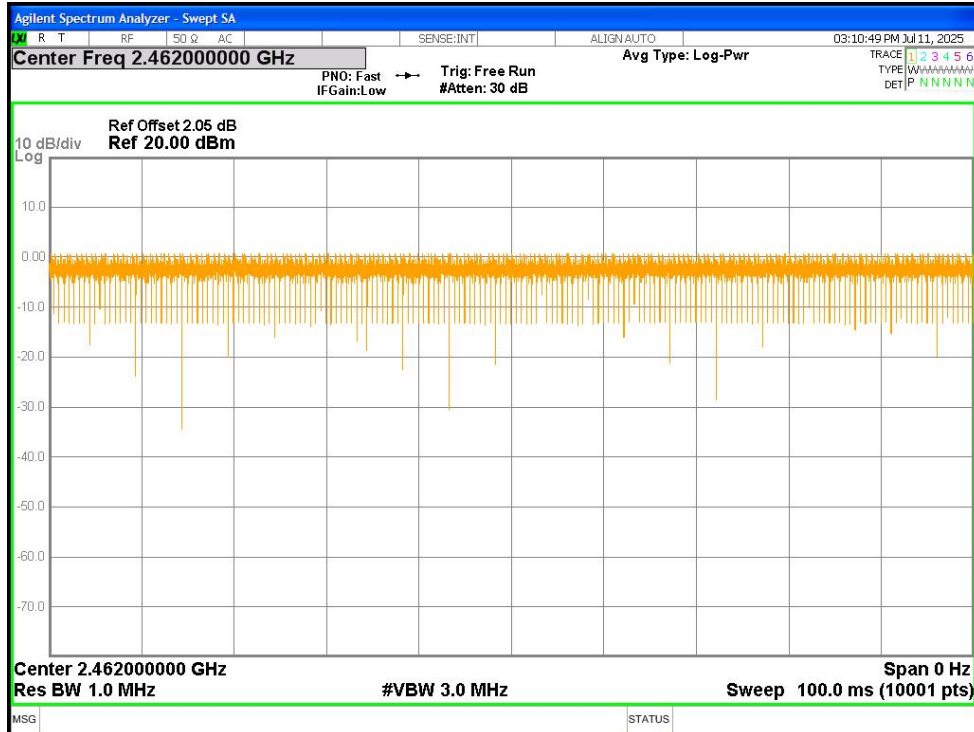
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1

