

Radio Test Report

47 CFR Part 15.247

Applicant's name : Shenzhenshi Xingbiaohang Technology Co., Ltd.
3rd Floor, Building C, New Era Gongrong industrial Park, No2 ShihuanRoad,
Address : Shilong Community, Shiyao Street, Baoan District, Shenzhen, Guangdong,
CN(China)
Manufacture's Name : Shenzhenshi Xingbiaohang Technology Co., Ltd.
3rd Floor, Building C, New Era Gongrong industrial Park, No2 ShihuanRoad,
Address : Shilong Community, Shiyao Street, Baoan District, Shenzhen, Guangdong,
CN(China)

Product description

Trader mark : N/A
Product Name: : Decoding Box
Model and/or type reference : CPB-001
Serial Model : CPB-002 (For other models, please refer to page two.)
Rating(s) : DC12V,300mA,3.6W
Standards : 47 CFR Part 15.247
FCCID : 2BWEJ-CPB001

The EUT described above has been tested by us with the listed standards and found in compliance with the FCC requirements. It is possible to use FCC marking to demonstrate the compliance with this FCC requirements.
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Date of Test

Date (s) of performance of tests : 2026-04-22 ~ 2026-06-16
Date of Issue : 2026-06-16
Test Result : **Pass**

Prepared by:

Jide Huang

Project Engineer

Reviewed by:

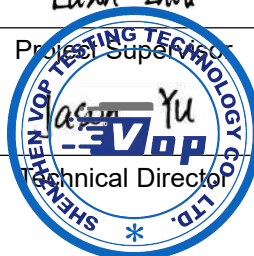
Eason Zhou

Project Supervisor

Approved by:

asun Yu

Technical Director



Other models:

CPB-003,CPB-005,CPB-006,CPB-007,CPB-008,CPB-009,CPB-010,CPB-011,CPB-012,CPB-013,CPB-014,
CPB-015,CPB-016,CPB-017,CPB-018,CPB-019,CPB-020,CPB-021,CPB-022,CPB-023,CPB-024,CPB-025,
CPB-026,CPB-027,CPB-028,CPB-029,CPB-030





REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2026-06-16	Valid	Initial Release



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1. TEST SUMMARY

No.	Test Item	Basic Standard	Requirement	Result
1	Antenna requirement	47 CFR Part 15.247	47 CFR 15.203	PASS
2	6dB Bandwidth	47 CFR Part 15.247	47 CFR 15.247(a)(2)	PASS
3	Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(3)	PASS
4	Power Spectral Density	47 CFR Part 15.247	47 CFR 15.247(e)	PASS
5	Emissions in non-restricted frequency bands	47 CFR Part 15.247	47 CFR 15.247(d)	PASS
6	Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	PASS
7	Emissions in frequency bands (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	PASS
8	Emissions in frequency bands (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	PASS

2. MEASUREMENT UNCERTAINTY

The report uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

No.	Item	Uncertainty
1	Occupied Channel Bandwidth	$\pm 3.5\%$
2	RF output power, conducted	$\pm 1.19\text{dB}$
3	Power Spectral Density, Conducted	$\pm 0.72\text{dB}$
4	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
5	All emissions, radiated (1GHz - 18GHz)	$\pm 4.66\text{dB}$
6	All emissions, radiated (30MHz - 1GHz)	$\pm 3.94\text{dB}$
7	All emissions, radiated (18GHz - 40GHz)	$\pm 4.31\text{dB}$

3. TEST FACILITY

Shenzhen VOP Testing Technology Co., Ltd.

Add:103, Building 5, Wanyan Industrial Park Qiaotou Community, Fuhai Street, Baoan District Shenzhen, Guangdong
People's Republic of China

FCC :Designation Number:CN1438,Certificate Number: 7579.01

3.1. Deviation from Standard

None

3.2. Abnormalities from Standard Conditions

None



4. GENERAL INFORMATION

4.1. General Description of EUT

Manufacturer:	Shenzhenshi Xingbiaohang Technology Co., Ltd.
Manufacturer Address:	3rd Floor, Building C, New Era Gongrong industrial Park, No2 ShihuanRoad, Shilong Community, Shiyan Street, Baoan District, Shenzhen,Guangdong, CN(China)
EUT Name:	Decoding Box
Model No:	CPB-001
Serial Model:	CPB-002,CPB-003,CPB-005,CPB-006,CPB-007,CPB-008,CPB-009,CPB-010,CPB-011,CPB-012,CPB-013,CPB-014,CPB-015,CPB-016,CPB-017,CPB-018,CPB-019,CPB-020,CPB-021,CPB-022,CPB-023,CPB-024,CPB-025,CPB-026,CPB-027,CPB-028,CPB-029, CPB-030
Brand Name:	N/A
Difference Description:	All models are identical to each other except for model name and appearance.
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz; 802.11n(HT40): 2422MHz to 2452MHz
Number of channels:	802.11b/g/n(HT20): 11 Channels; 802.11n(HT40): 7 Channels
Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n(HT20 and HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM)
Antenna type:	External Antenna
Antenna Gain:	3.8dBi
Antenna type:	N/A
Bluetooth Version:	N/A
Hardware Version:	N/A
Software Version:	N/A
Power Supply:	DC12V,300mA,3.6W
Maximum Output Power:	11.61dBm

Note:

- 1.For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

3.Channel List

Channel802.11b/g/n(HT20)	Frequency	Channel802.11n (HT40)	Frequency
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	/	/
9	2452	/	/
10	2457	/	/
11	2462	/	/

4.2. EUT Test Mode

TM1	802.11b mode
TM2	802.11g mode
TM3	802.11n(HT20) mode
TM4	802.11n(HT40) mode
Note:All above mode have been measurement, only worst data was reported.	

4.3. Auxiliary Equipment Used During Test

No.	Equipment	Manufacturer	Model No.	Serial No.	Remark
1	HP laptop	HP	DESKTOP-G3N DKR3	N/A	N/A

5. EQUIPMENTS LIST FOR ALL TEST ITEMS

6dB Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in non-restricted frequency bands						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	spectrum analyzer	Agilent	N9020A	MY51287427	2025-07-07	2026-07-06
2	RF automatic control unit	TST	CBOX-Full	2752539	2025-07-14	2026-07-13

Band edge emissions (Radiated) Emissions in frequency bands (above 1GHz)						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	preamplifier	QUANJUDA	LNA18	2503130032	2025-07-07	2026-07-06
2	High frequency antenna	Schwarzbeck	9120D-1141	03260	2025-10-19	2026-10-18
3	High-frequency horn antenna	Schwarzbeck	HA-018040L	25098408	2025-10-31	2026-10-30
4	preamplifier	HCT	HC180400-50 G25	25098401	2025-09-19	2026-09-18
5	spectrum analyzer	R&S	FSV40	101373	2025-12-24	2026-12-23

Emissions in frequency bands (below 1GHz)						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	EMI test receiver ESCI	R&S	ESPI-7	100754	2026-03-17	2028-03-16
2	Log periodic antenna	SCHWARZBECK	VULB9163	01790	2025-10-24	2026-10-23
3	preamplifier	SCHWARZBECK	8447D	2944A08081	2026-03-17	2028-03-16

6. TEST RESULTS

6.1. Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
Test Method:	---

6.1.1. Conclusion:

The EUT antenna is External Antenna. It conforms to the standard requirements.



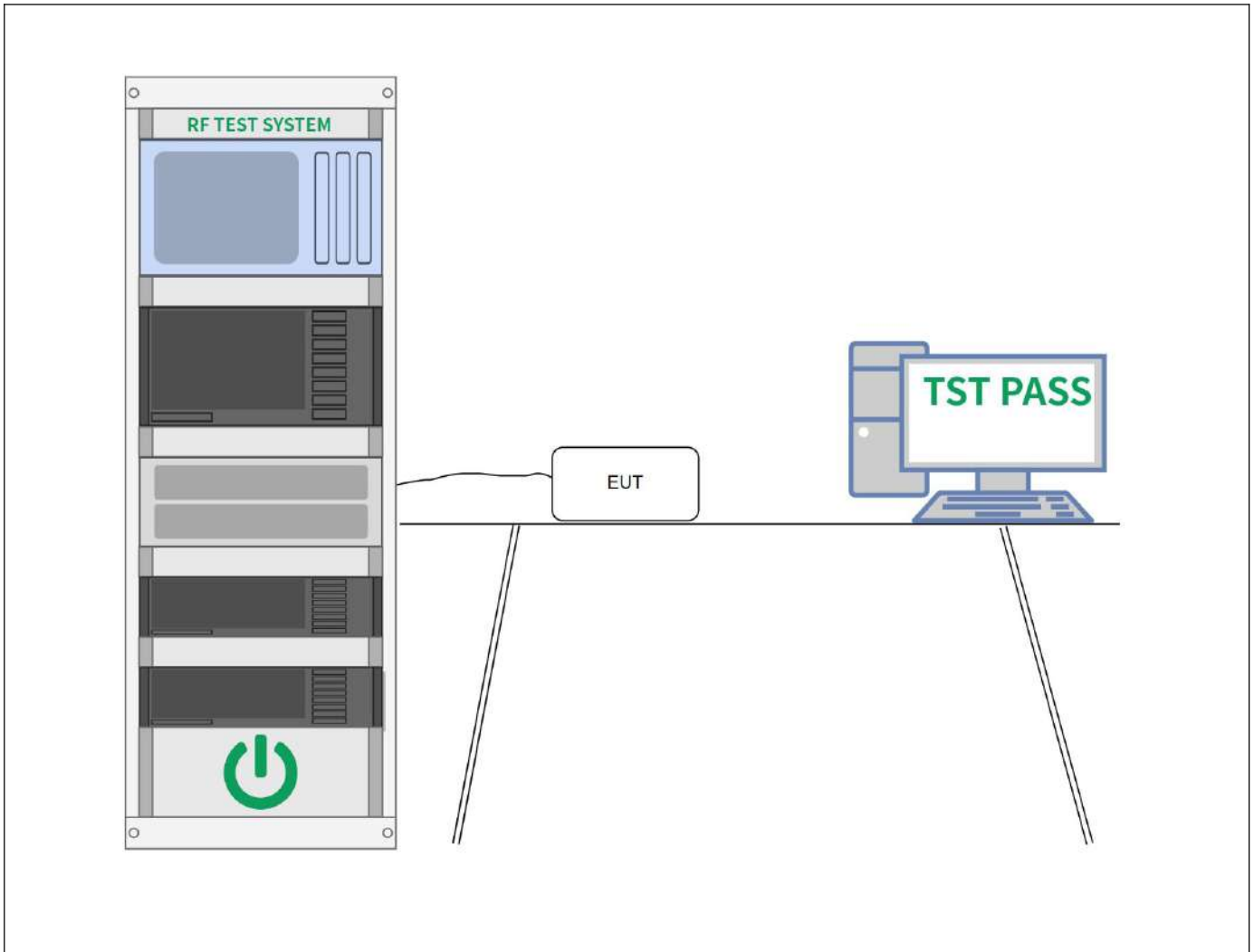
6.2. 6dB Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8
Procedure:	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW $\geq [3 \times \text{RBW}]$. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value. 11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW $\geq 3 \times \text{RBW}$, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

6.2.1. EUT Operation

Operating Environment:					
Temperature:	25.7 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa
Pre test mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

6.2.2. Test Setup Diagram:



6.2.3. Test Data

Please Refer to Appendix for Details.

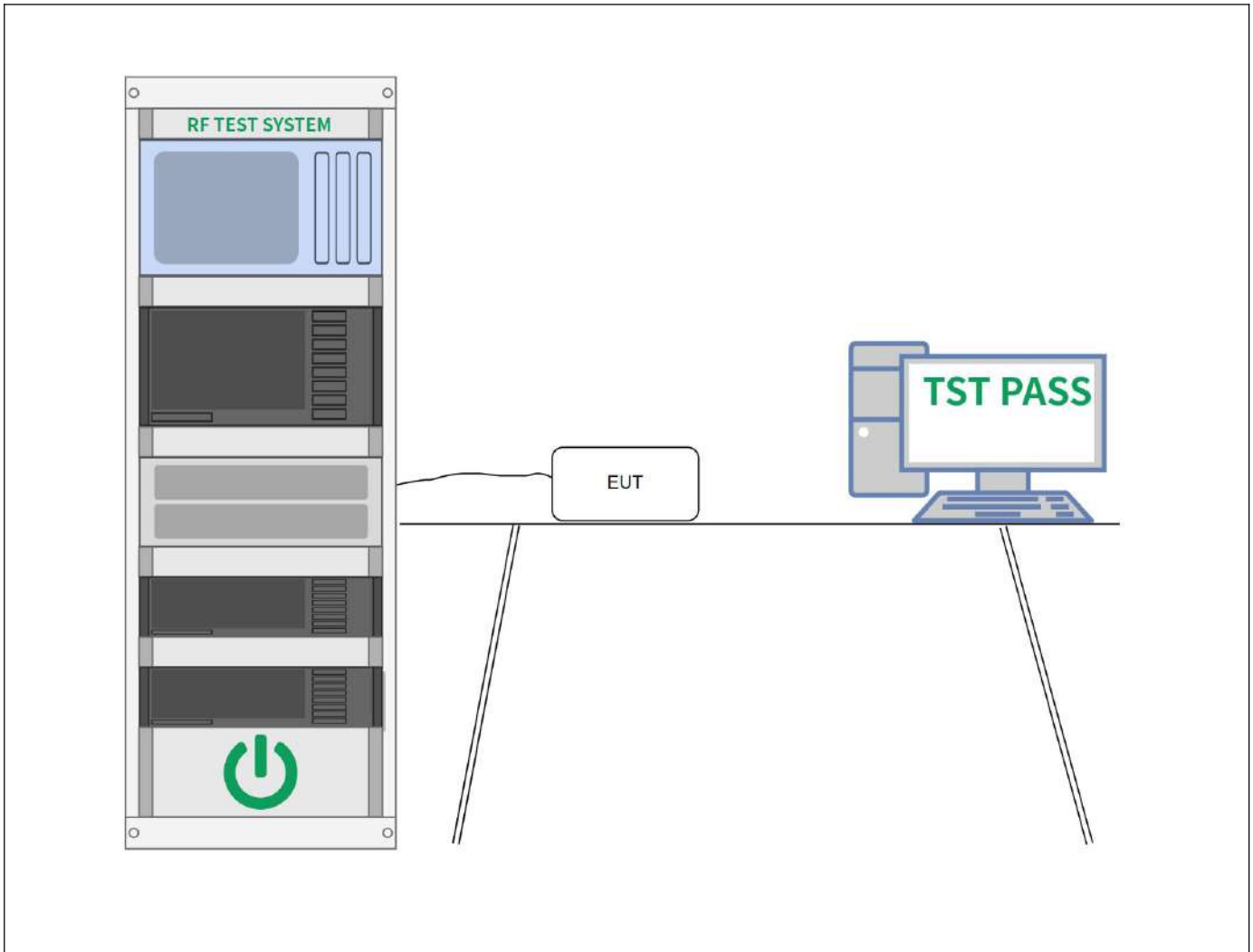
6.3. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power

6.3.1. EUT Operation

Operating Environment:					
Temperature:	25.7 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa
Pre test mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

6.3.2. Test Setup Diagram:



6.3.3. Test Data

Please Refer to Appendix for Details.

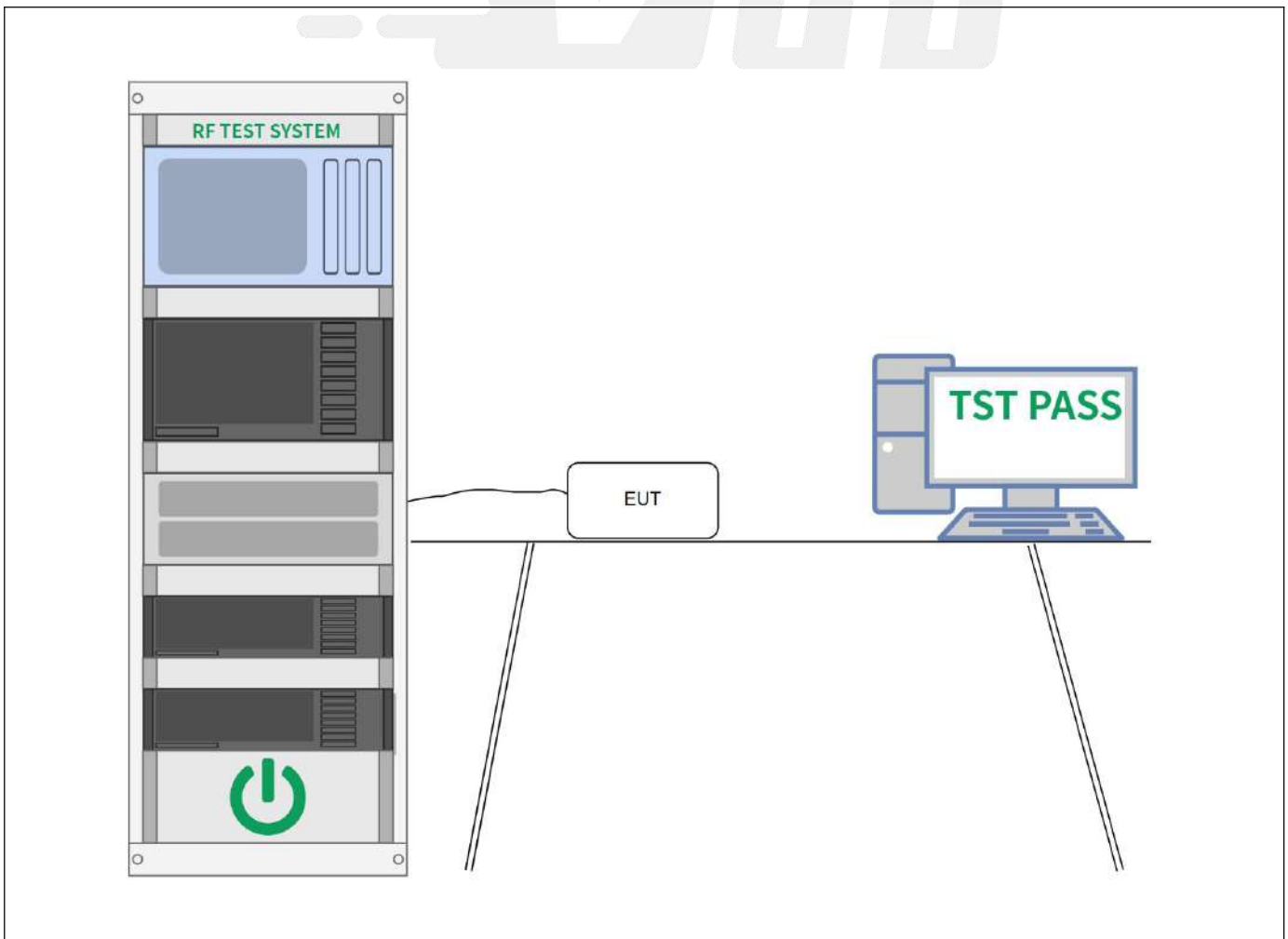
6.4. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2020, section 11.10
Procedure:	ANSI C63.10-2020+Cor 1-2023, section 11.10, Maximum power spectral density level in the fundamental emission

6.4.1. EUT Operation

Operating Environment:					
Temperature:	25.7 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa
Pre test mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

6.4.2. Test Setup Diagram:



6.4.3. Test Data

Please Refer to Appendix for Details.



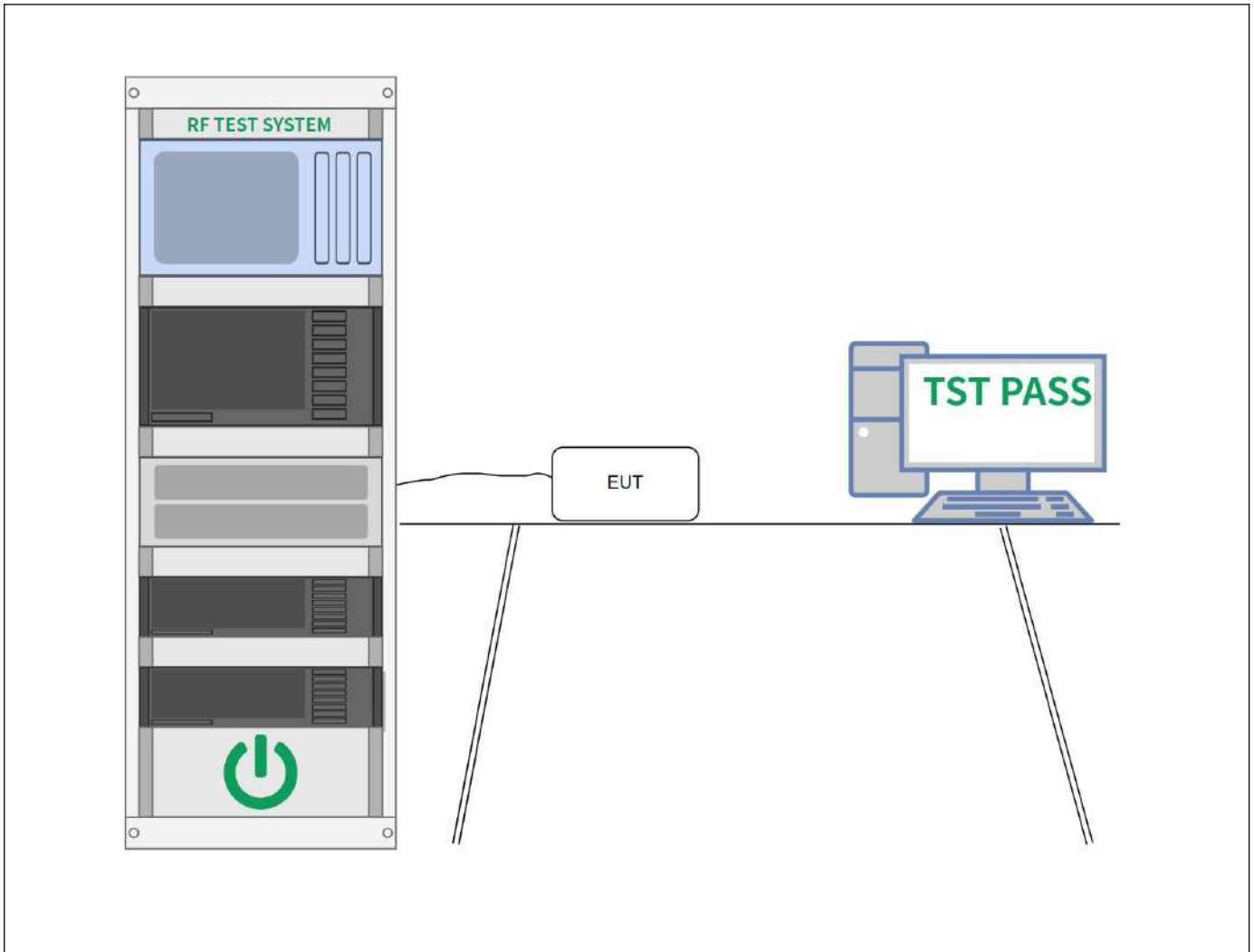
6.5. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d)
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 11.11
Procedure:	ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3

6.5.1. EUT Operation

Operating Environment:					
Temperature:	25.7 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa
Pre test mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

6.5.2. Test Setup Diagram:



6.5.3. Test Data

Please Refer to Appendix for Details.

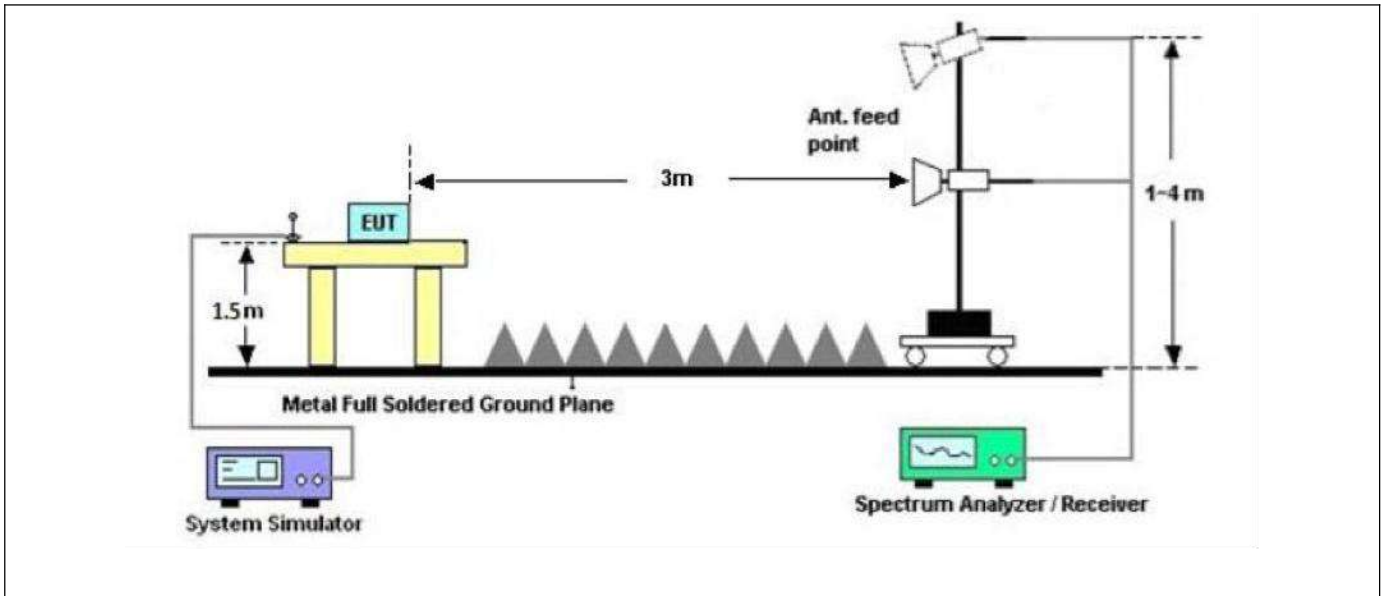
6.6. Band edge emissions (Radiated)

Test Requirement:	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).		
Test 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
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.			
Test Method:	ANSI C63.10-2020 section 6.10		
Procedure:	ANSI C63.10-2020 section 6.10.5.2		

6.6.1. EUT Operation

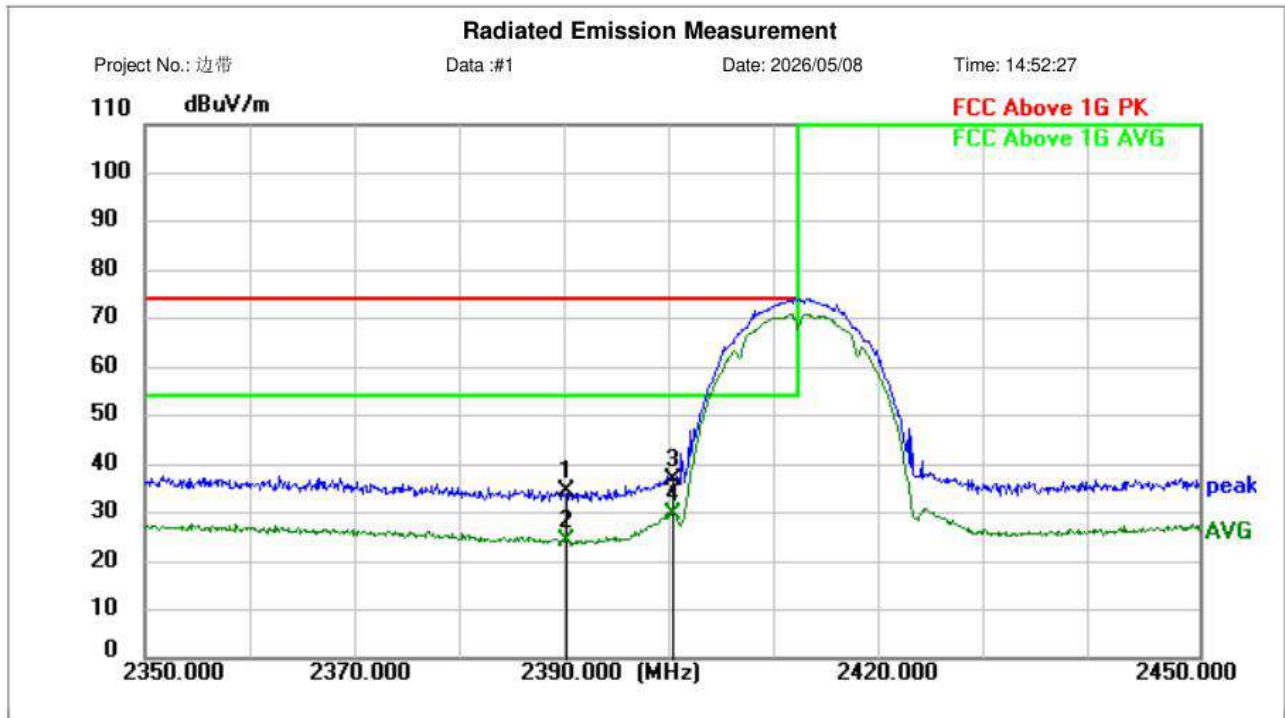
Operating Environment:			
Temperature:	25.7 °C	Humidity:	54 %
		Atmospheric Pressure:	101.1 kPa
Pre test mode:	TM1,TM2,TM3,TM4		
Final test mode:	TM1,TM2,TM3,TM4		

6.6.2. Test Setup Diagram:



6.6.3. Test Data

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Limit: FCC Above 1G PK

EUT:

M/N: 2412

Mode:

Note:

Polarization: **Horizontal**

Power:

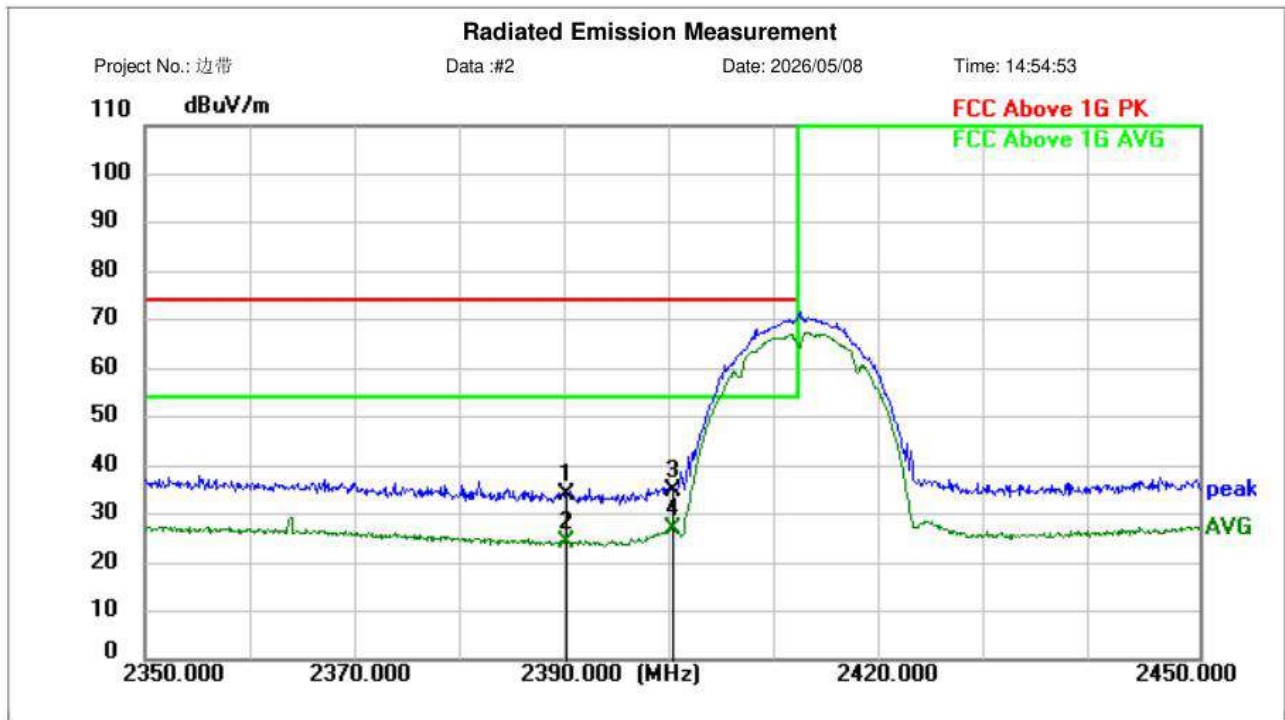
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.0000	59.47	-25.27	34.20	74.00	-39.80	peak			P	
2	2390.0000	49.55	-25.27	24.28	54.00	-29.72	AVG			P	
3	2400.0000	62.46	-25.87	36.59	74.00	-37.41	peak			P	
4 *	2400.0000	55.51	-25.87	29.64	54.00	-24.36	AVG			P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Limit: FCC Above 1G PK

EUT:

M/N: 2412

Mode:

Note:

Polarization: **Vertical**

Power:

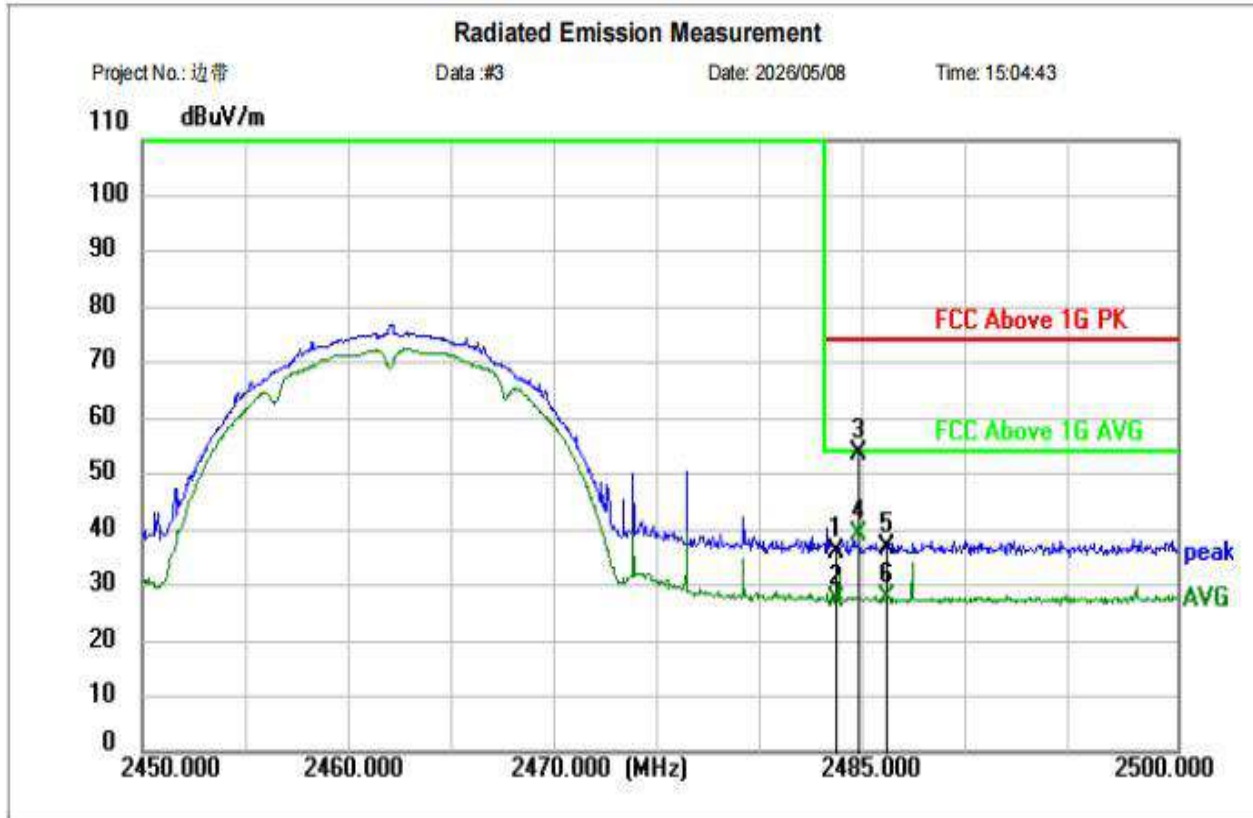
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.0000	56.66	-22.71	33.95	74.00	-40.05	peak			P	
2	2390.0000	46.84	-22.71	24.13	54.00	-29.87	AVG			P	
3	2400.0000	57.58	-22.67	34.91	74.00	-39.09	peak			P	
4 *	2400.0000	49.76	-22.67	27.09	54.00	-26.91	AVG			P	

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

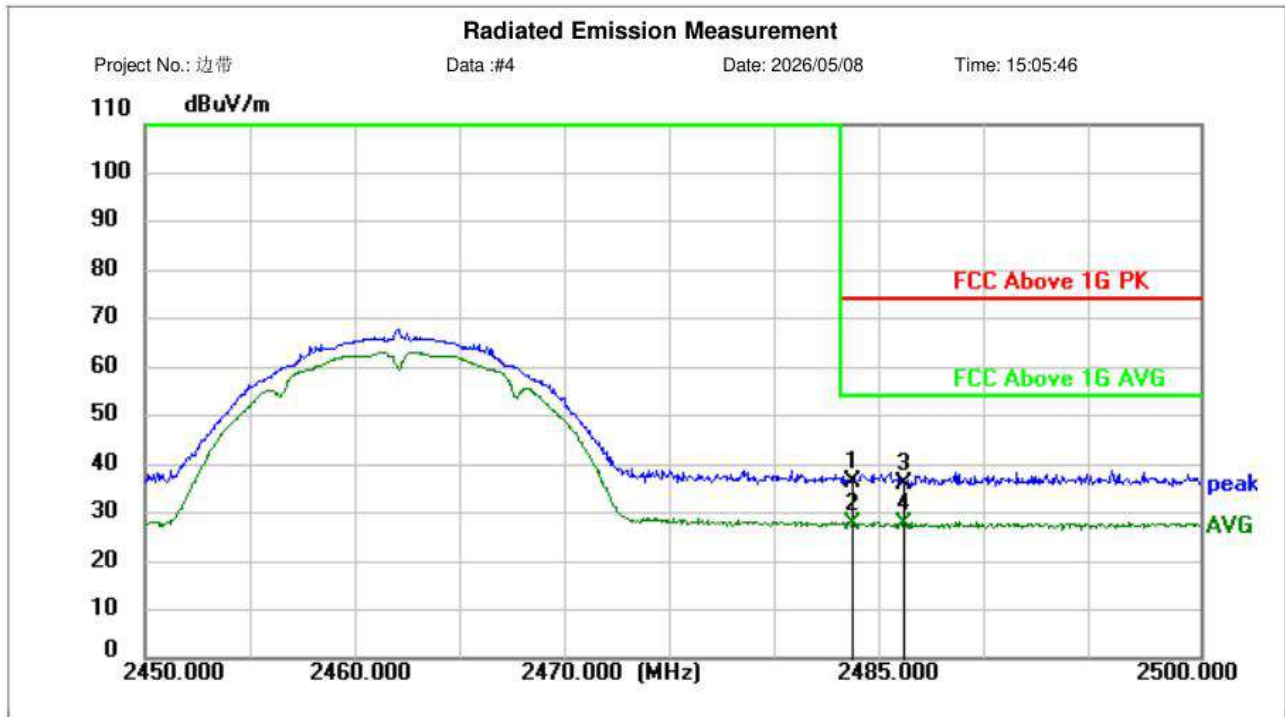
M/N: 2462

Mode:

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	58.78	-22.81	35.97	74.00	-38.03	peak			P	
2	2483.5000	50.27	-22.81	27.46	54.00	-26.54	AVG			P	
3	2484.6100	76.58	-22.80	53.78	74.00	-20.22	peak			P	
4 *	2484.6100	61.93	-22.80	39.13	54.00	-14.87	AVG			P	
5	2486.0000	59.66	-22.79	36.87	74.00	-37.13	peak			P	
6	2486.0000	50.50	-22.79	27.71	54.00	-26.29	AVG			P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Limit: FCC Above 1G PK

EUT:

M/N: 2462

Mode:

Note:

Polarization: **Vertical**

Power:

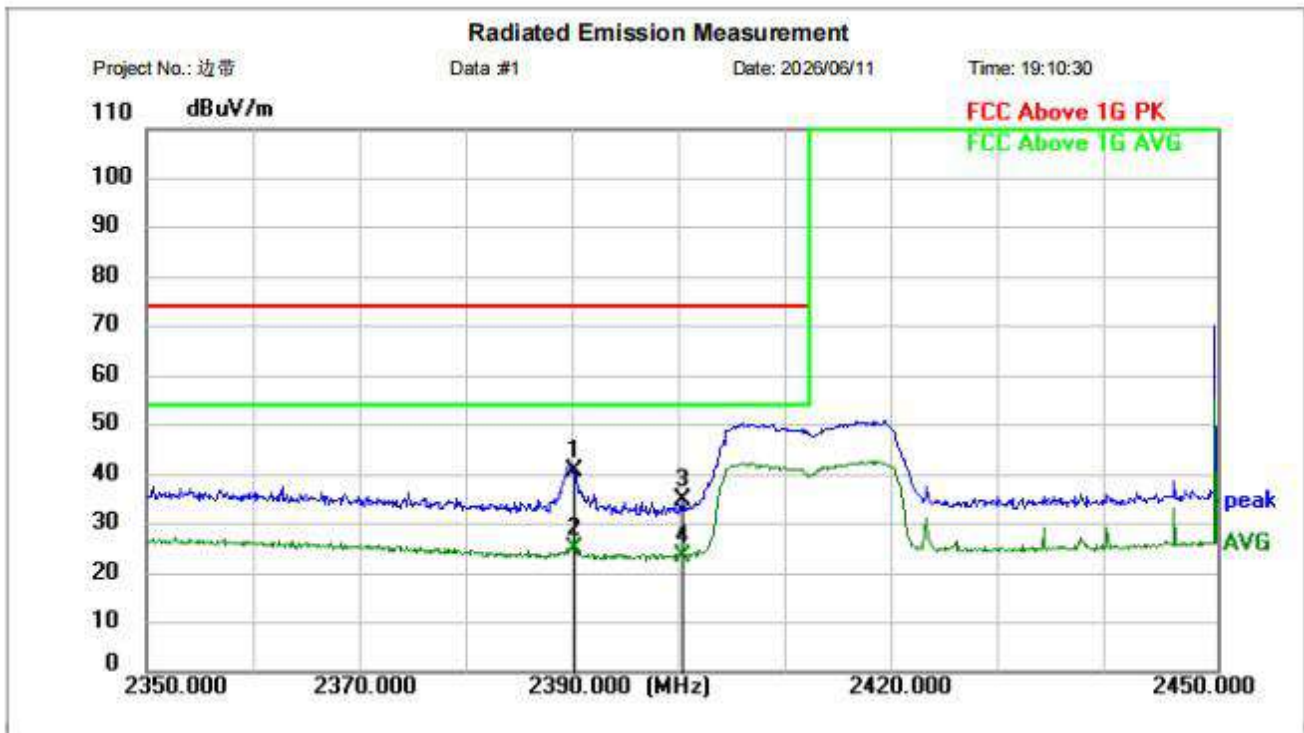
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	58.66	-22.27	36.39	74.00	-37.61	peak	149	360	P	
2 *	2483.5000	49.95	-22.27	27.68	54.00	-26.32	AVG	149	360	P	
3	2486.0000	58.36	-22.26	36.10	74.00	-37.90	peak	149	360	P	
4	2486.0000	49.82	-22.26	27.56	54.00	-26.44	AVG	149	360	P	

TM2 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Limit: FCC Above 1G PK

EUT:

M/N: g 2412

Mode: 20

Note:

Polarization: **Horizontal**

Power:

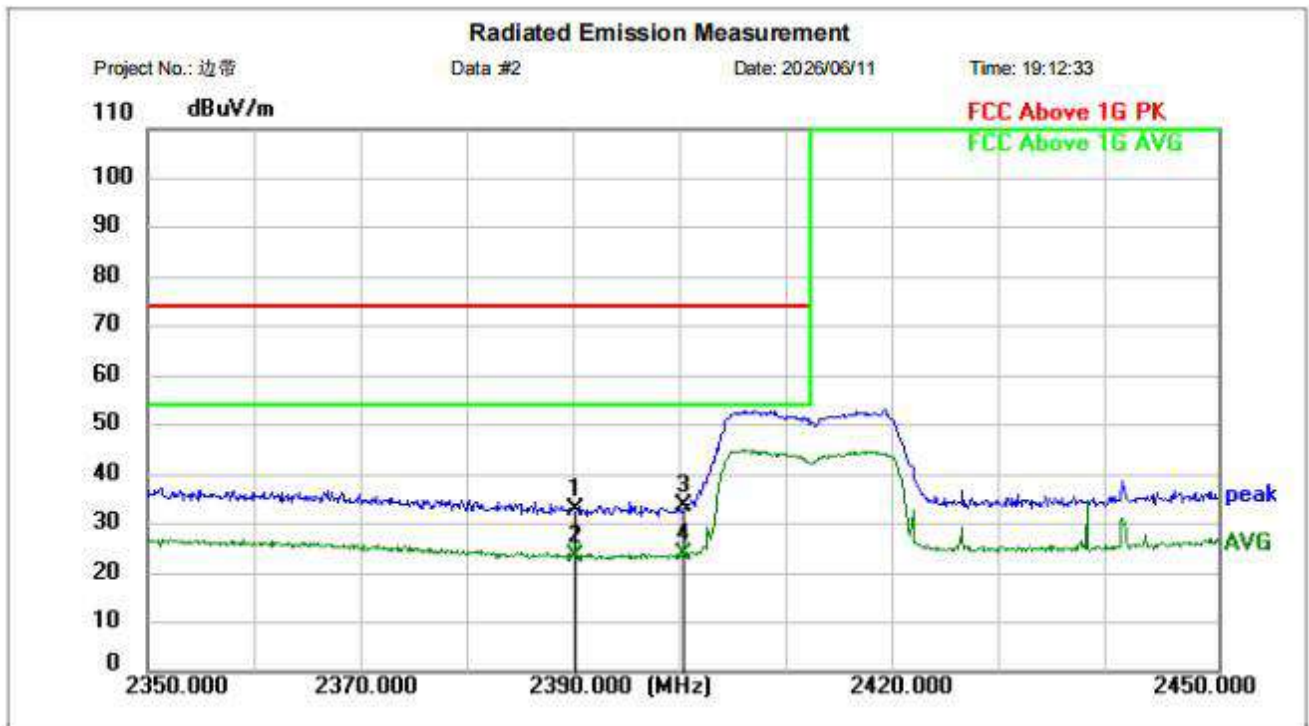
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.0000	65.93	-25.27	40.66	74.00	-33.34	peak	150	0	P	
2 *	2390.0000	50.04	-25.27	24.77	54.00	-29.23	AVG	150	0	P	
3	2400.0000	60.80	-25.87	34.93	74.00	-39.07	peak	150	0	P	
4	2400.0000	49.24	-25.87	23.37	54.00	-30.63	AVG	150	0	P	

TM2 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Limit: FCC Above 1G PK

EUT:

M/N: g 2412

Mode: 20

Note:

Polarization: **Vertical**

Power:

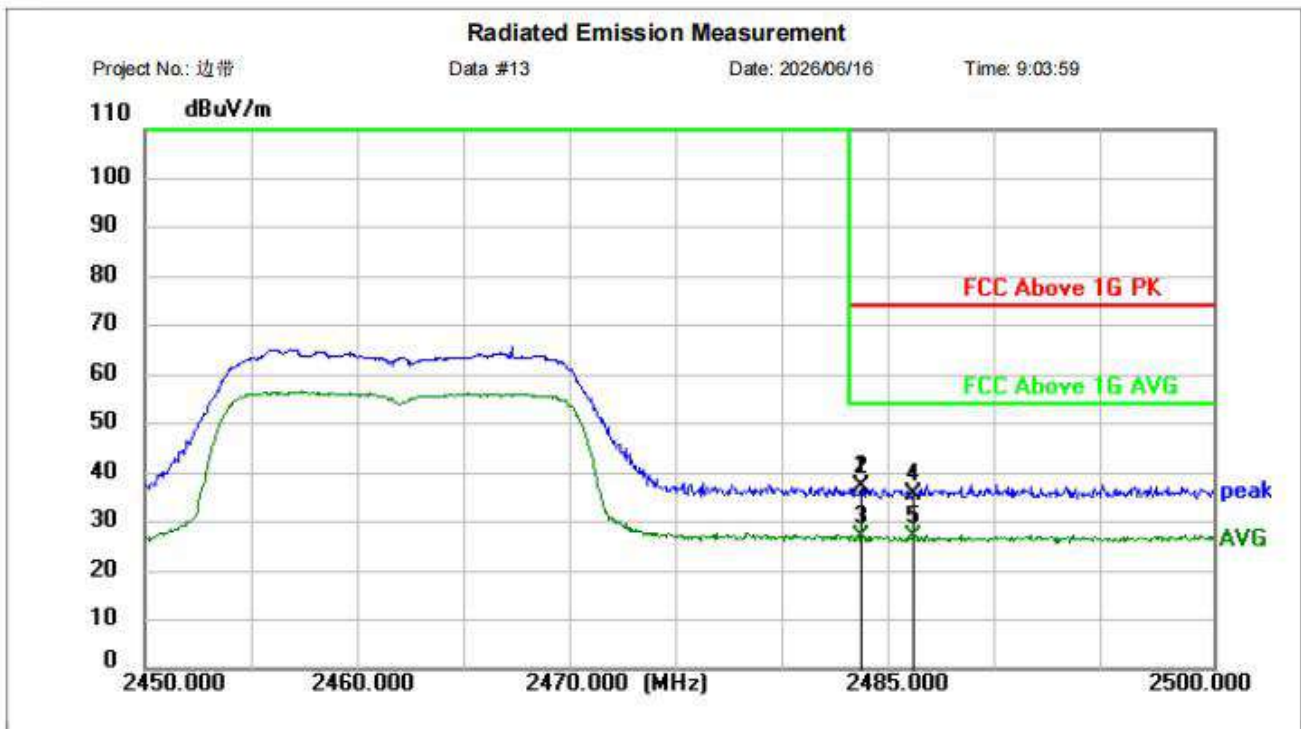
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.0000	55.46	-22.71	32.75	74.00	-41.25	peak	150	0	P	
2	2390.0000	46.03	-22.71	23.32	54.00	-30.68	AVG	150	0	P	
3	2400.0000	56.07	-22.67	33.40	74.00	-40.60	peak	150	0	P	
4 *	2400.0000	46.33	-22.67	23.66	54.00	-30.34	AVG	150	0	P	

TM2 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

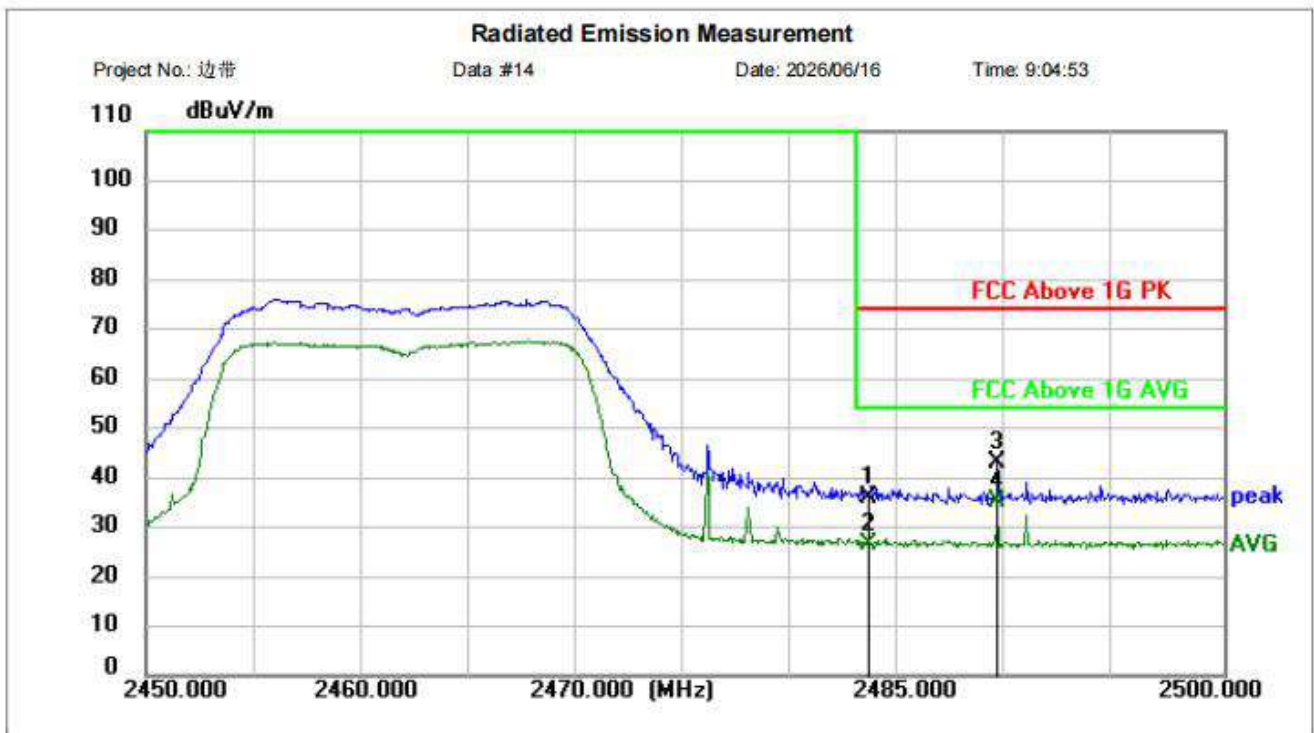
M/N: g 2462

Mode: 20

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	59.80	-22.81	36.99	74.00	-37.01	peak	150	0	P	
2	2483.5000	59.80	-22.81	36.99	74.00	-37.01	peak	150	0	P	
3 *	2483.5000	49.66	-22.81	26.85	54.00	-27.15	AVG	150	0	P	
4	2486.0000	58.32	-22.79	35.53	74.00	-38.47	peak	150	0	P	
5	2486.0000	49.63	-22.79	26.84	54.00	-27.16	AVG	150	0	P	

TM2 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site: LAB

Limit: FCC Above 1G PK

EUT:

M/N: g 2462

Mode: 20

Note:

Polarization: **Vertical**

Power:

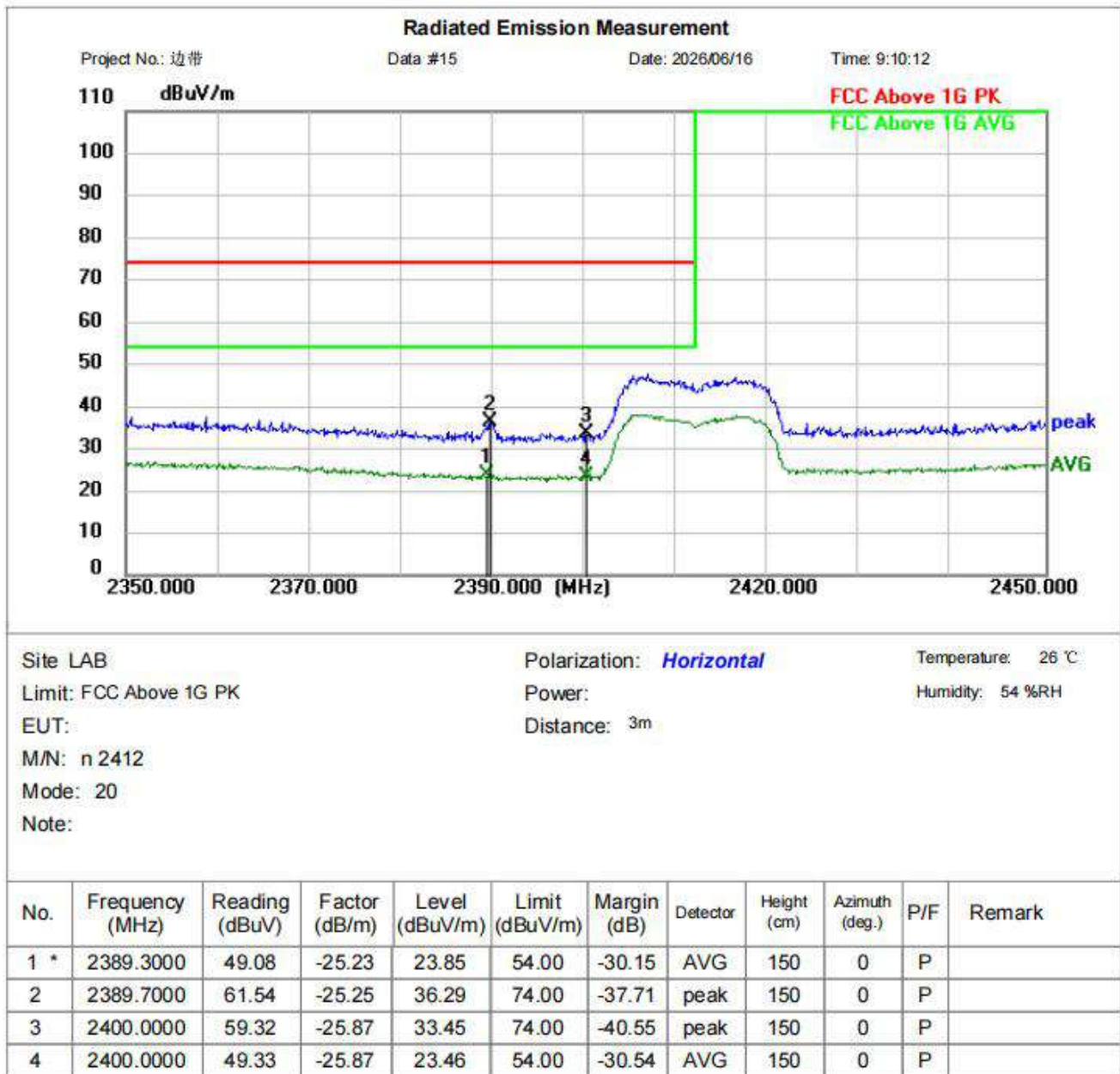
Distance: 3m

Temperature: 26 °C

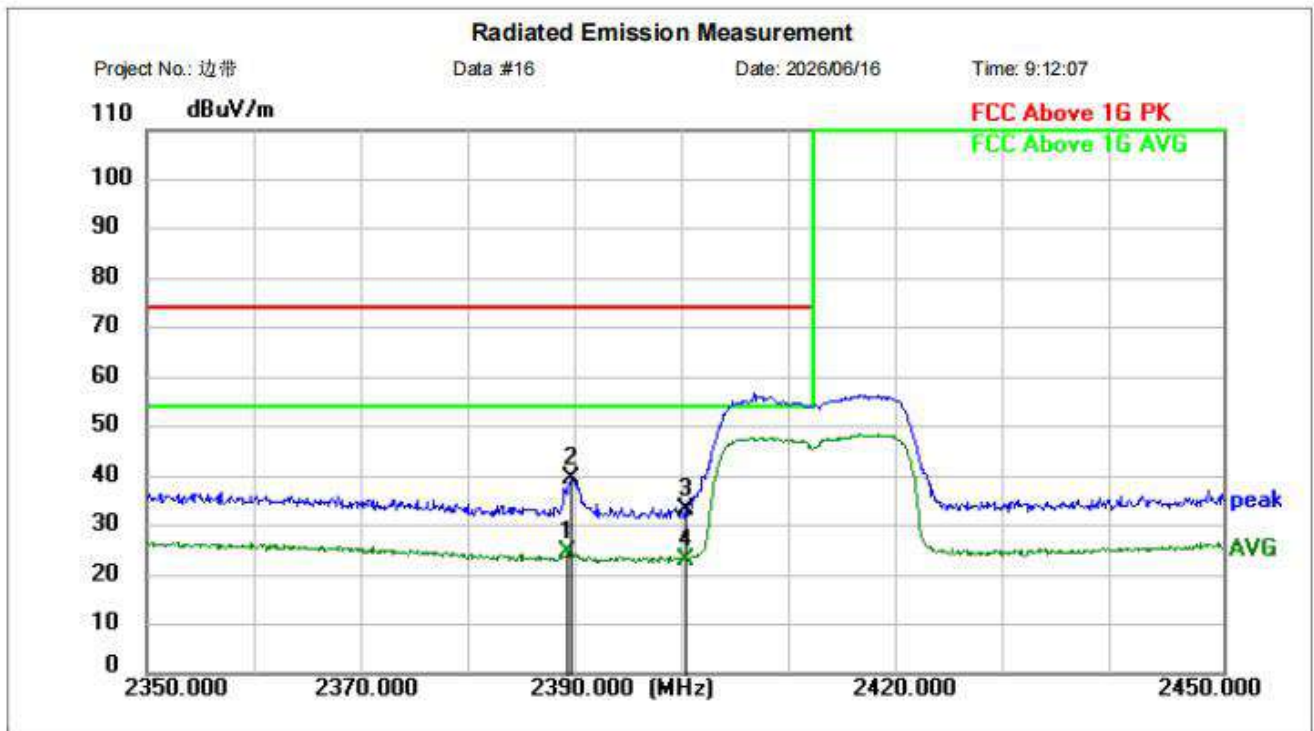
Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	58.31	-22.27	36.04	74.00	-37.96	peak	150	0	P	
2	2483.5000	48.91	-22.27	26.64	54.00	-27.36	AVG	150	0	P	
3	2489.4550	65.42	-22.25	43.17	74.00	-30.83	peak	150	0	P	
4 *	2489.4550	57.27	-22.25	35.02	54.00	-18.98	AVG	150	0	P	

TM3 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L



TM3 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site: LAB

Polarization: **Vertical**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

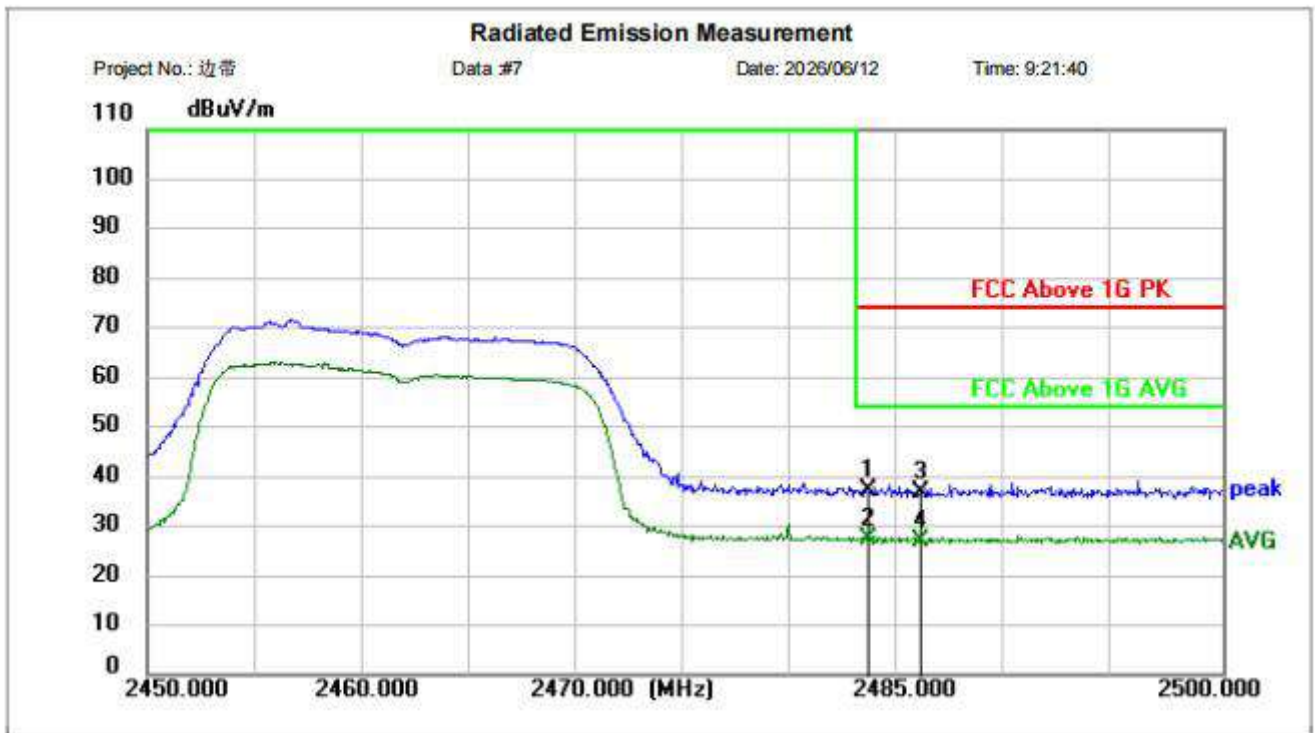
M/N: n 2412

Mode: 20

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2389.1900	47.17	-22.71	24.46	54.00	-29.54	AVG	150	0	P	
2	2389.5800	62.30	-22.71	39.59	74.00	-34.41	peak	150	0	P	
3	2400.0000	55.91	-22.67	33.24	74.00	-40.76	peak	150	0	P	
4	2400.0000	45.84	-22.67	23.17	54.00	-30.83	AVG	150	0	P	

TM3 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

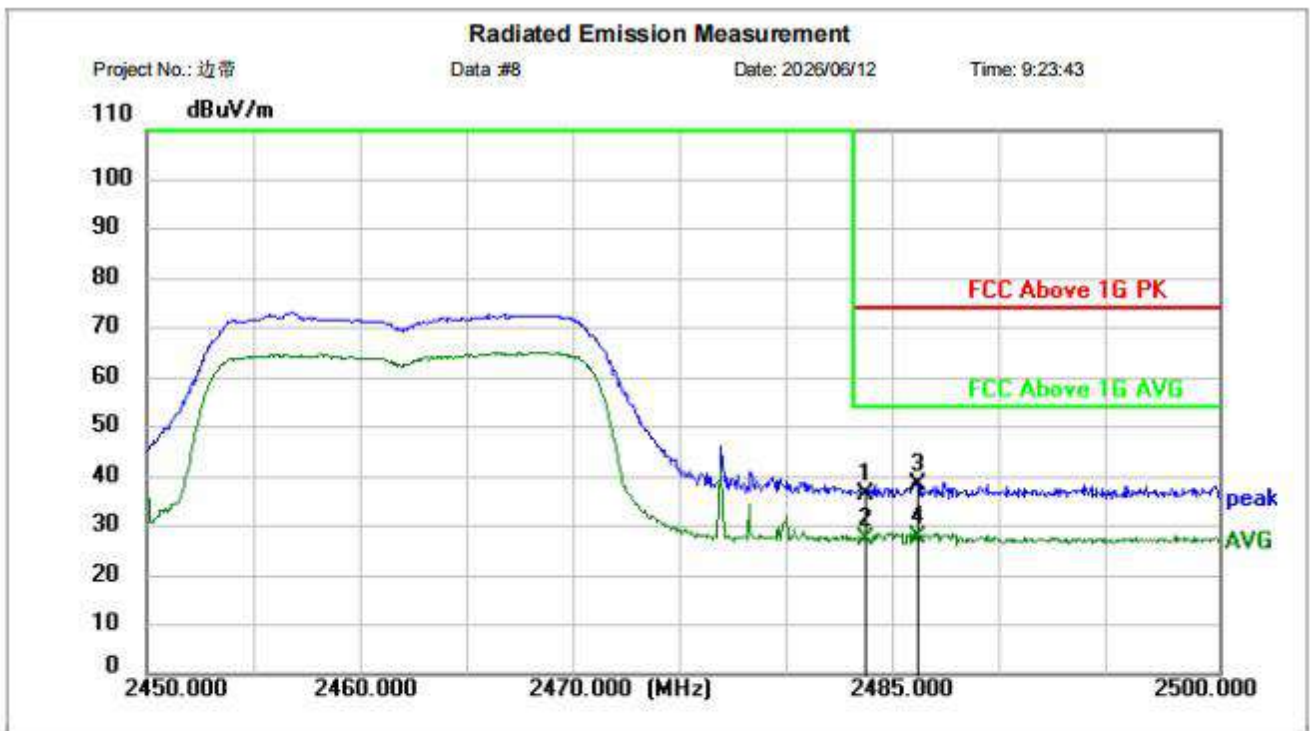
M/N: n 2462

Mode: 20

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	59.75	-22.81	36.94	74.00	-37.06	peak			P	
2 *	2483.5000	50.29	-22.81	27.48	54.00	-26.52	AVG			P	
3	2486.0000	59.42	-22.79	36.63	74.00	-37.37	peak			P	
4	2486.0000	49.52	-22.79	26.73	54.00	-27.27	AVG			P	

TM3 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Vertical**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

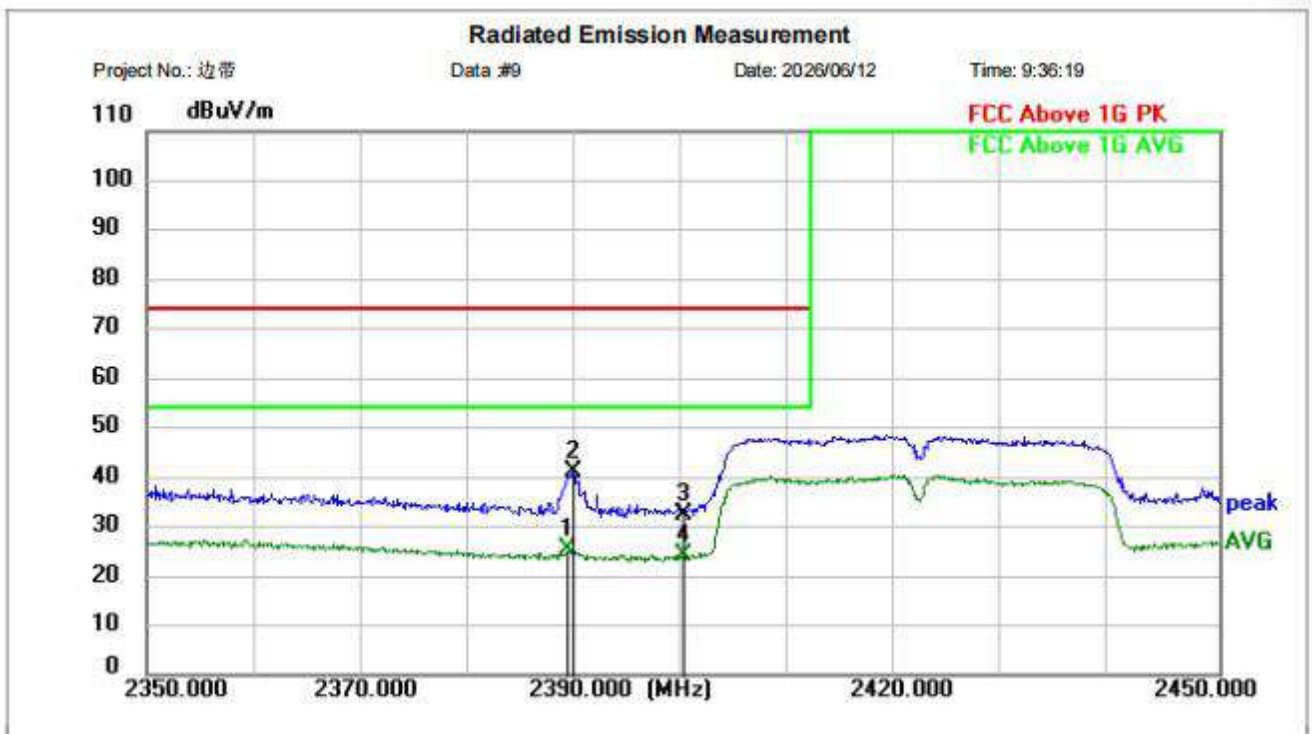
M/N: n 2462

Mode: 20

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	58.60	-22.27	36.33	74.00	-37.67	peak	150	0	P	
2	2483.5000	49.54	-22.27	27.27	54.00	-26.73	AVG	150	0	P	
3	2486.0000	60.57	-22.26	38.31	74.00	-35.69	peak	150	0	P	
4 *	2486.0000	49.97	-22.26	27.71	54.00	-26.29	AVG	150	0	P	

TM4 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site: LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

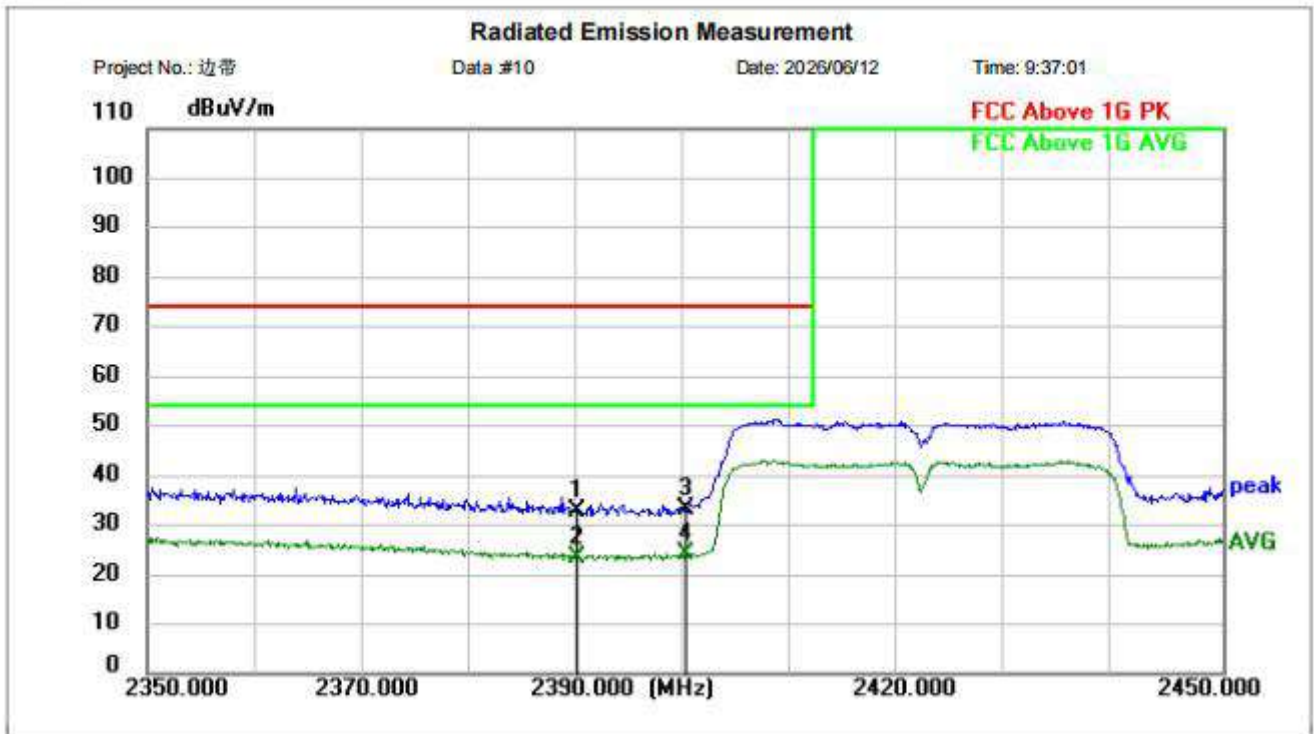
M/N: n 2422

Mode: 40

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2389.3799	50.70	-25.23	25.47	54.00	-28.53	AVG	150	0	P	
2	2389.8700	66.17	-25.26	40.91	74.00	-33.09	peak	150	0	P	
3	2400.0000	58.41	-25.87	32.54	74.00	-41.46	peak	150	0	P	
4	2400.0000	49.94	-25.87	24.07	54.00	-29.93	AVG	150	0	P	

TM4/ Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Polarization: **Vertical**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

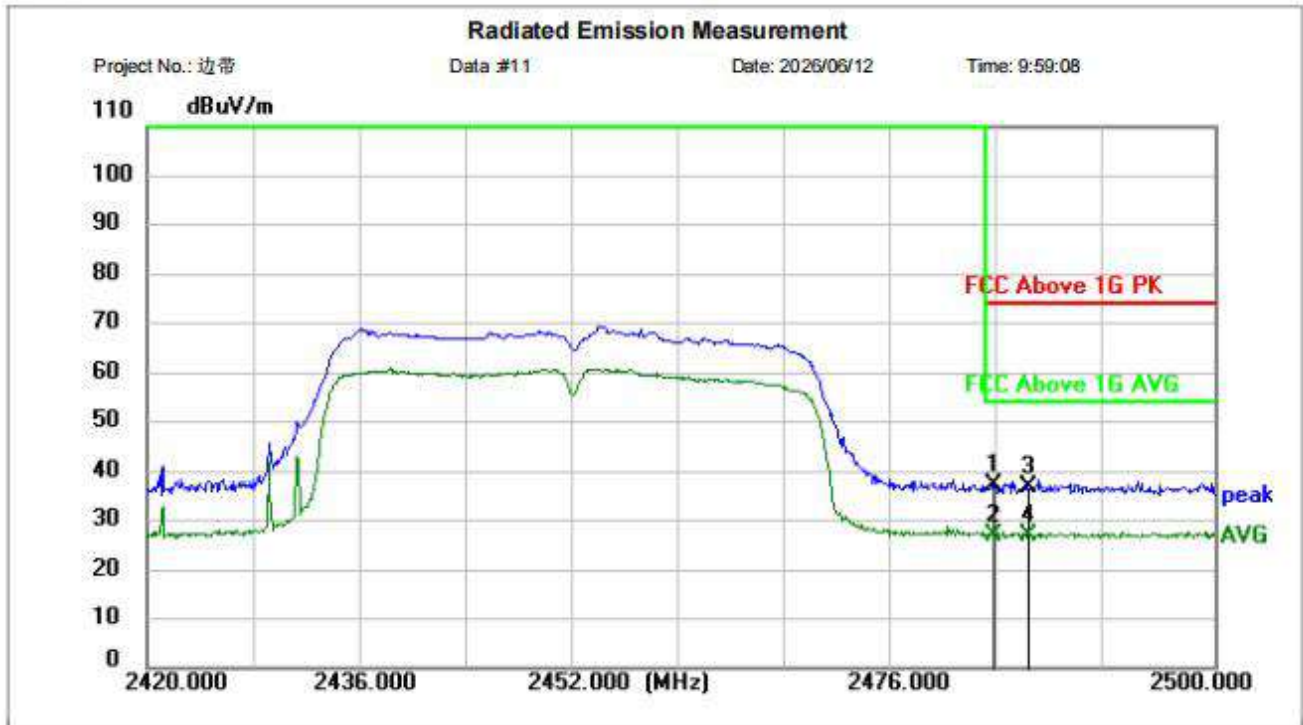
M/N: n 2422

Mode: 40

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.0000	55.38	-22.71	32.67	74.00	-41.33	peak			P	
2	2390.0000	46.15	-22.71	23.44	54.00	-30.56	AVG			P	
3	2400.0000	55.84	-22.67	33.17	74.00	-40.83	peak			P	
4 *	2400.0000	46.66	-22.67	23.99	54.00	-30.01	AVG			P	

TM4 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: FCC Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

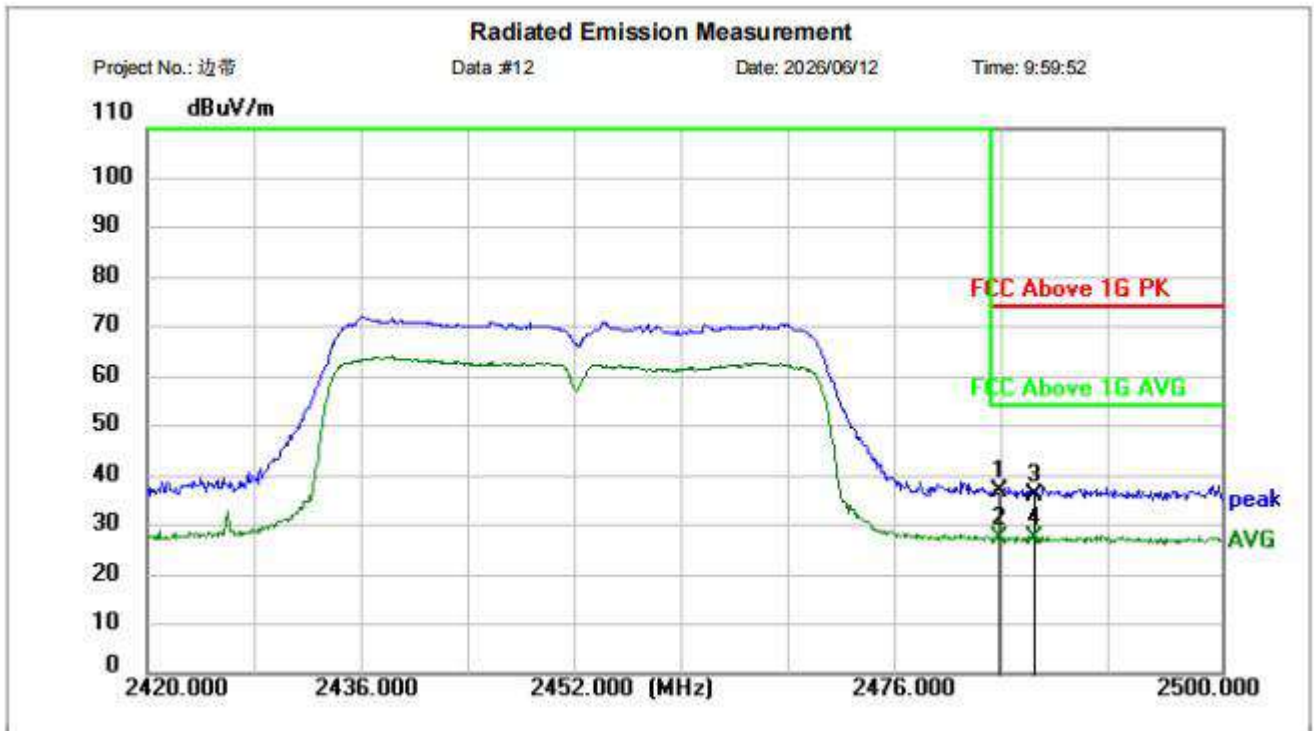
M/N: n 2452

Mode: 40

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	60.02	-22.81	37.21	74.00	-36.79	peak			P	
2 *	2483.5000	49.73	-22.81	26.92	54.00	-27.08	AVG			P	
3	2486.0000	59.55	-22.79	36.76	74.00	-37.24	peak			P	
4	2486.0000	49.56	-22.79	26.77	54.00	-27.23	AVG			P	

TM4 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Limit: FCC Above 1G PK

EUT:

M/N: n 2452

Mode: 40

Note:

Polarization: **Vertical**

Power:

Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.5000	59.08	-22.27	36.81	74.00	-37.19	peak	150	0	P	
2 *	2483.5000	49.49	-22.27	27.22	54.00	-26.78	AVG	150	0	P	
3	2486.0000	58.27	-22.26	36.01	74.00	-37.99	peak	150	0	P	
4	2486.0000	49.45	-22.26	27.19	54.00	-26.81	AVG	150	0	P	

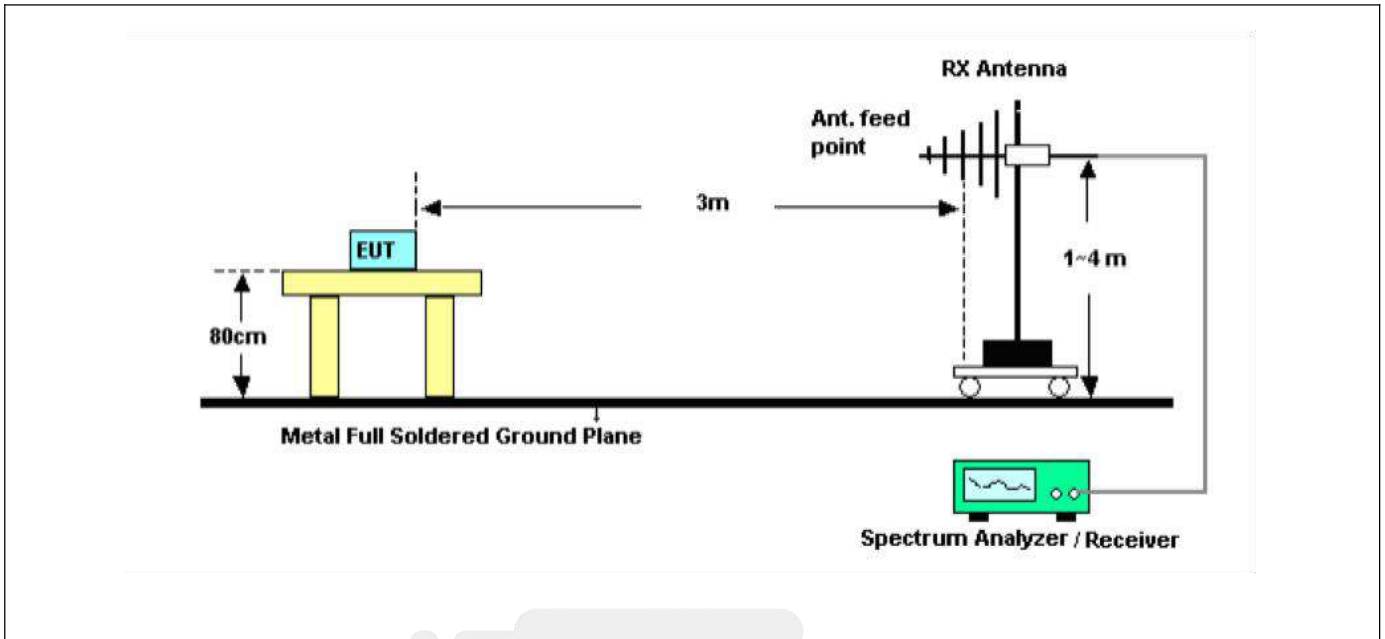
6.7. Emissions in frequency bands (below 1GHz)Z

Test Requirement:	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).		
Test 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
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.			
Test Method:	ANSI C63.10-2020 section 6.5.4		
Procedure:	ANSI C63.10-2020 section 6.5.4		

6.7.1. EUT Operation

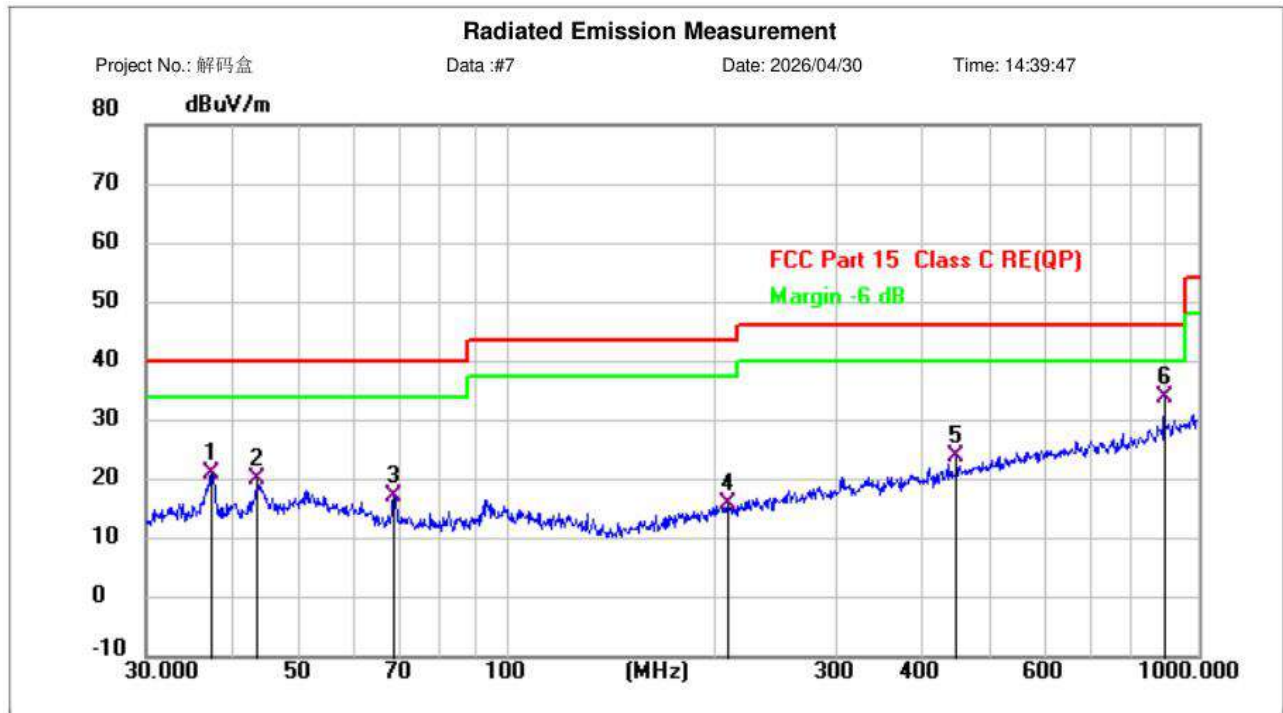
Operating Environment:					
Temperature:	25.7 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

6.7.2. Test Setup Diagram:



6.7.3. Test Data

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Limit: FCC Part 15 Class C RE(QP)

EUT:

M/N: working

Mode:

Note:

Polarization: **Horizontal**

Power:

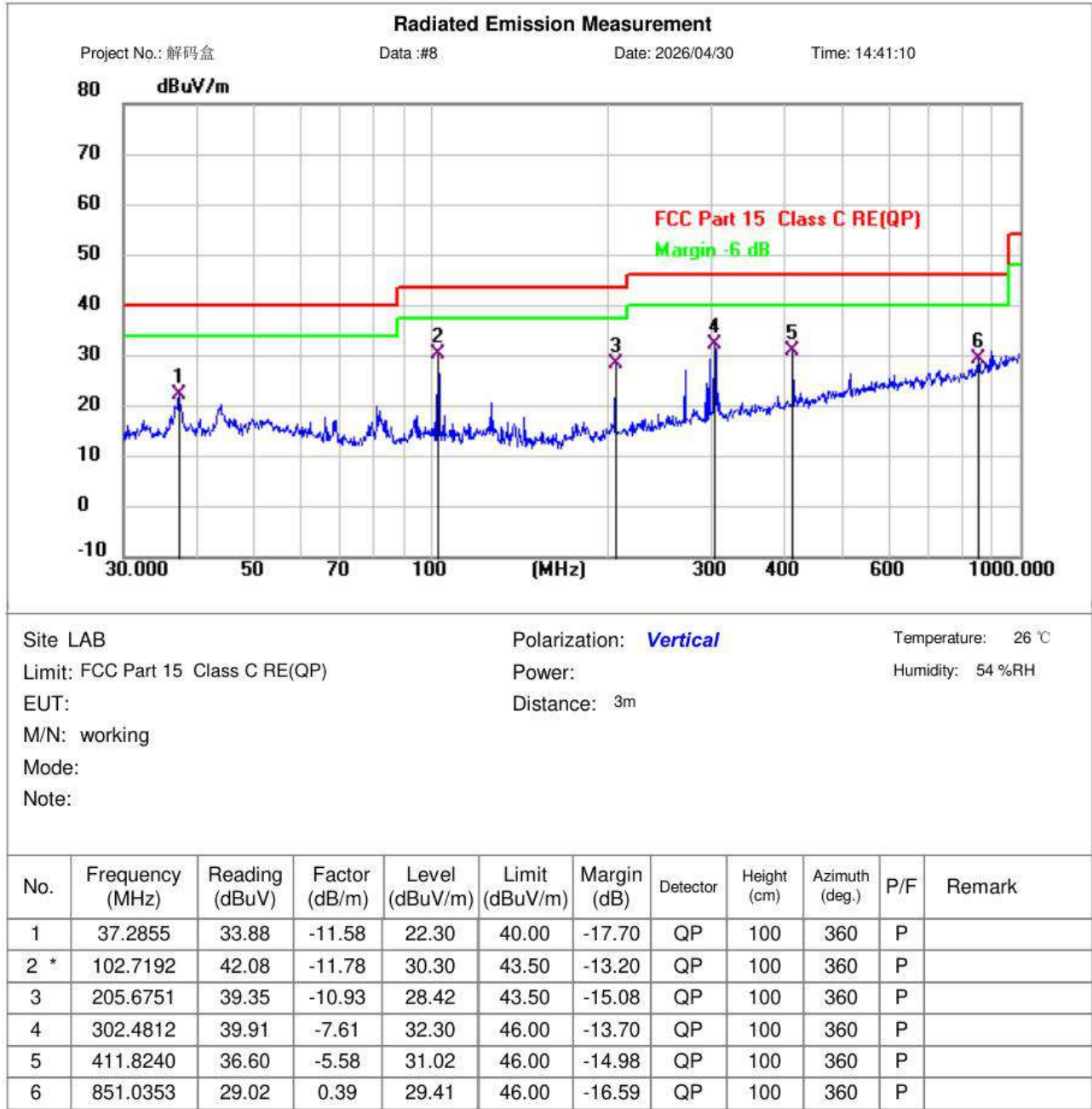
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	37.2855	32.54	-11.58	20.96	40.00	-19.04	QP	100	0	P	
2	43.5057	31.00	-11.00	20.00	40.00	-20.00	QP	100	0	P	
3	68.3908	30.23	-13.03	17.20	40.00	-22.80	QP	100	0	P	
4	209.3129	26.75	-10.81	15.94	43.50	-27.56	QP	100	0	P	
5	446.4141	28.66	-4.72	23.94	46.00	-22.06	QP	100	0	P	
6 *	893.8567	32.78	1.02	33.80	46.00	-12.20	QP	100	0	P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



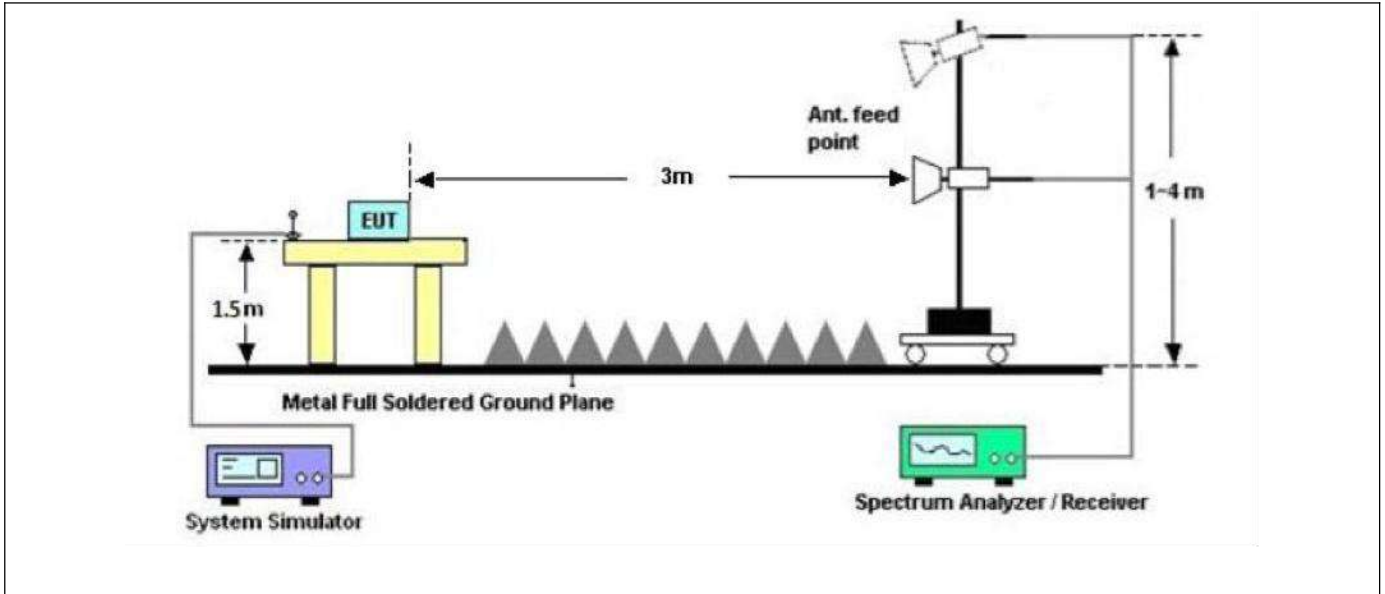
6.8. Emissions in frequency bands (above 1GHz)

Test Requirement:	Refer to 47 CFR 15.247(d), in addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).		
Test 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
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.			
Test Method:	ANSI C63.10-2020 section 6.5.4		
Procedure:	ANSI C63.10-2020 section 6.5.4		

6.8.1. EUT Operation

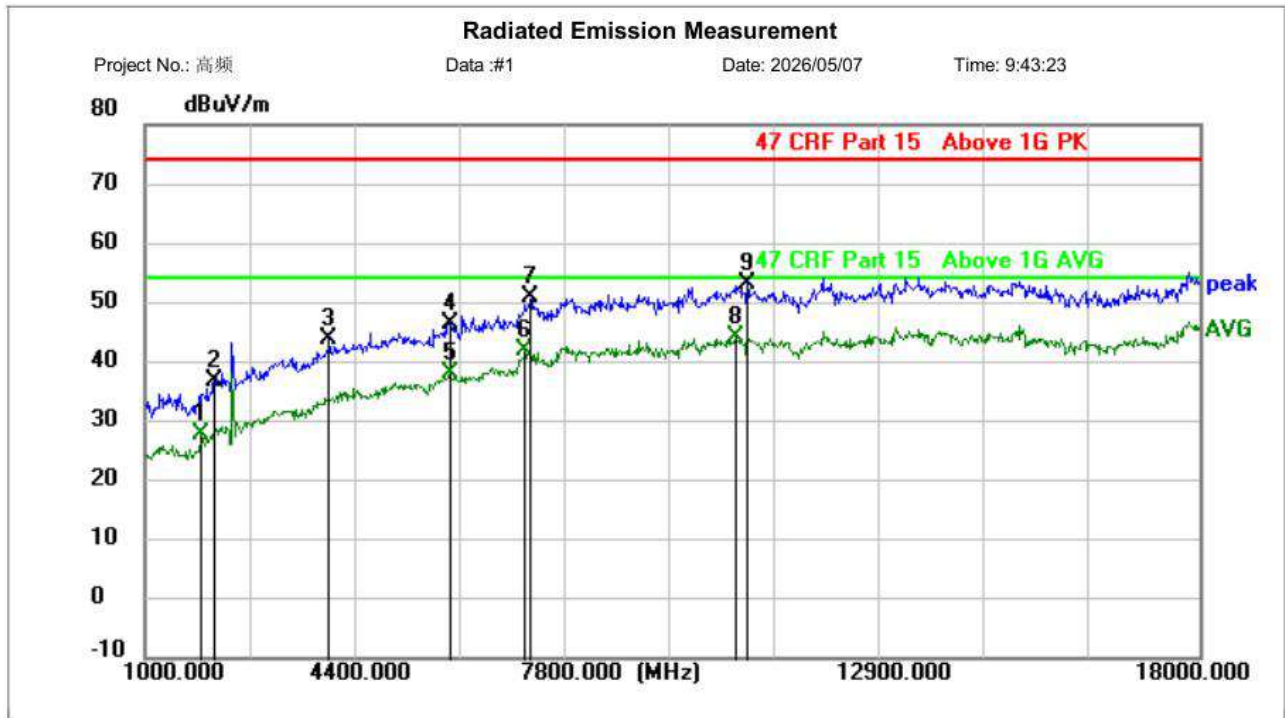
Operating Environment:					
Temperature:	25.7 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa
Pre test mode:		TM1,TM2,TM3,TM4			
Final test mode:		TM1,TM2,TM3,TM4			

6.8.2. Test Setup Diagram:



6.8.3. Test Data

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Limit: 47 CRF Part 15 Above 1G PK

EUT:

M/N: 2412

Mode:

Note:

Polarization: **Horizontal**

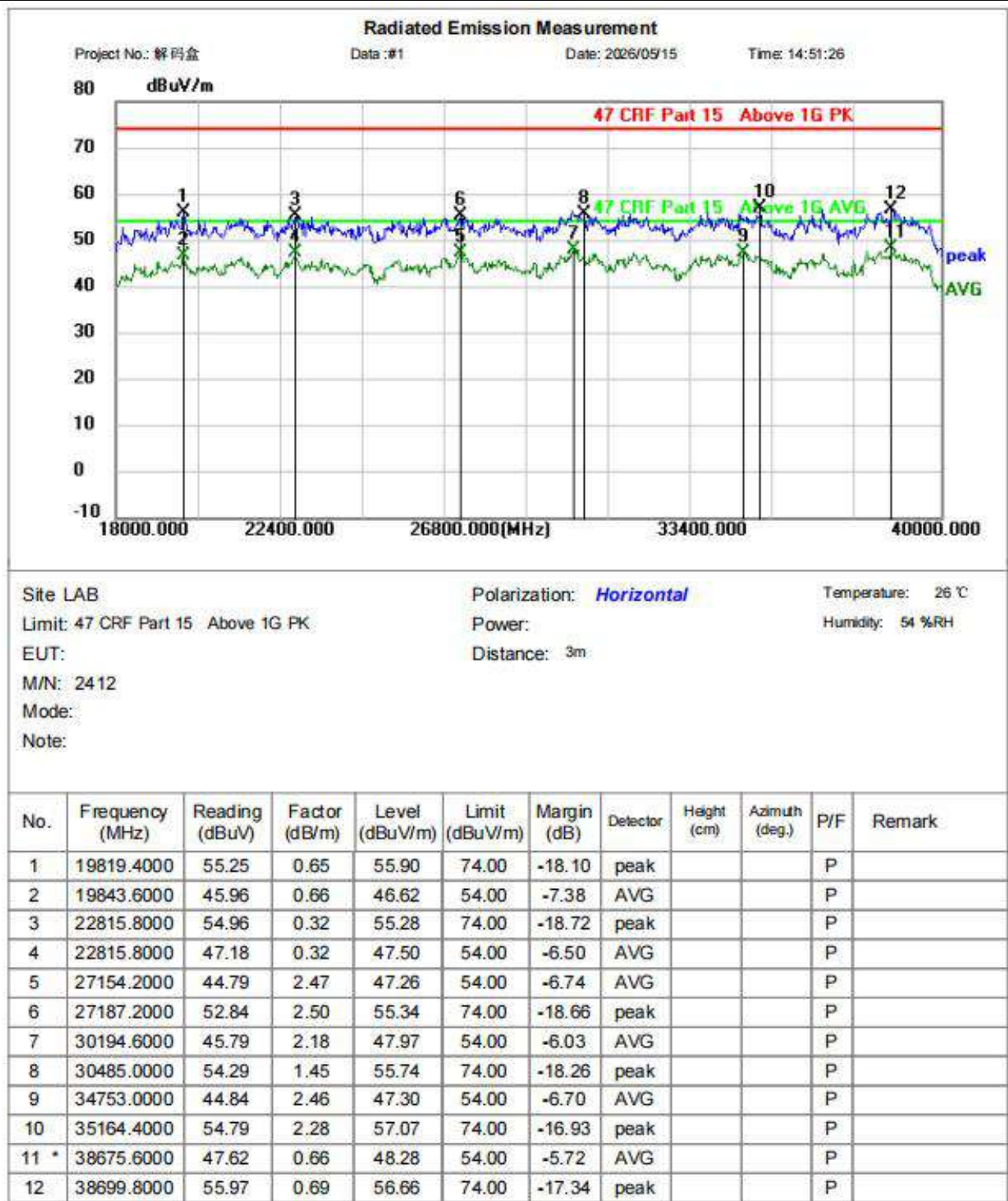
Power:

Distance: 3m

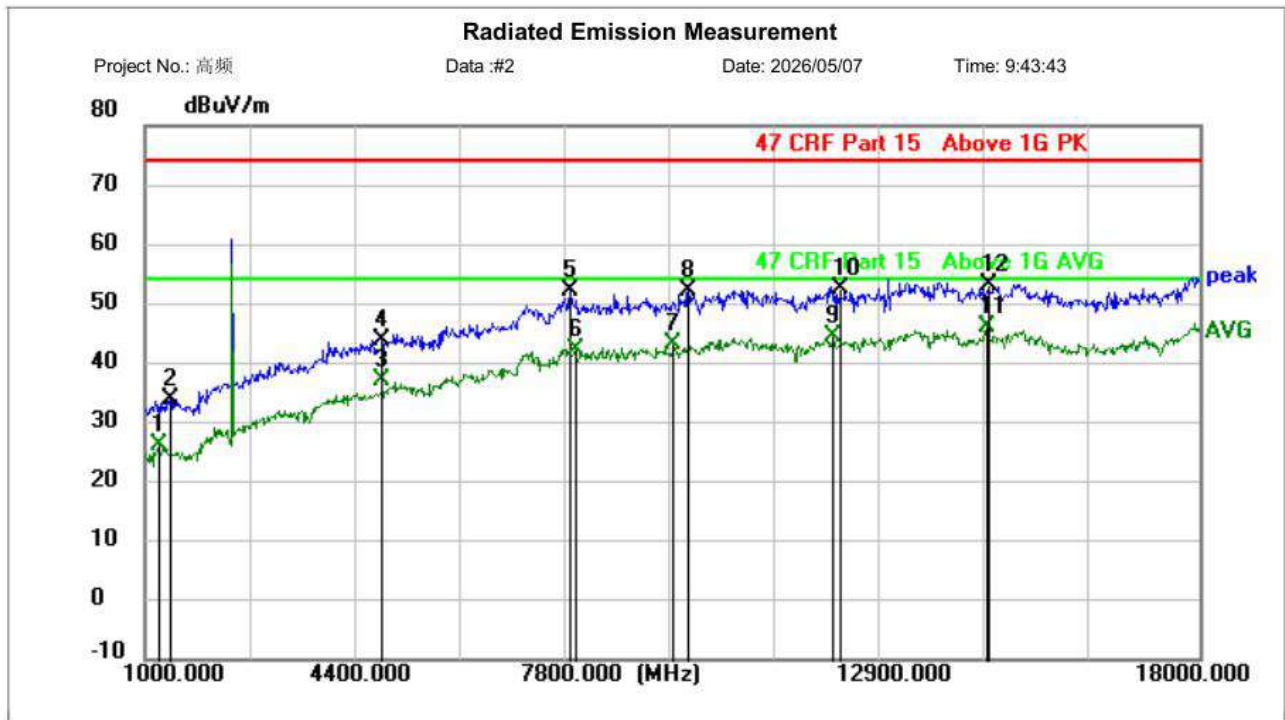
Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1929.9000	52.45	-24.72	27.73	54.00	-26.27	AVG			P	
2	2115.2000	59.80	-23.09	36.71	74.00	-37.29	peak			P	
3	3981.8000	62.61	-18.91	43.70	74.00	-30.30	peak			P	
4	5924.9000	62.28	-15.74	46.54	74.00	-27.46	peak			P	
5	5924.9000	53.72	-15.74	37.98	54.00	-16.02	AVG			P	
6	7152.3000	54.77	-12.78	41.99	54.00	-12.01	AVG			P	
7	7211.8000	63.69	-12.72	50.97	74.00	-23.03	peak			P	
8 *	10526.8000	51.69	-7.57	44.12	54.00	-9.88	AVG			P	
9	10727.4000	60.18	-7.00	53.18	74.00	-20.82	peak			P	



TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



Site LAB

Polarization: **Vertical**

Temperature: 26 °C

Limit: 47 CRF Part 15 Above 1G PK

Power:

Humidity: 54 %RH

EUT:

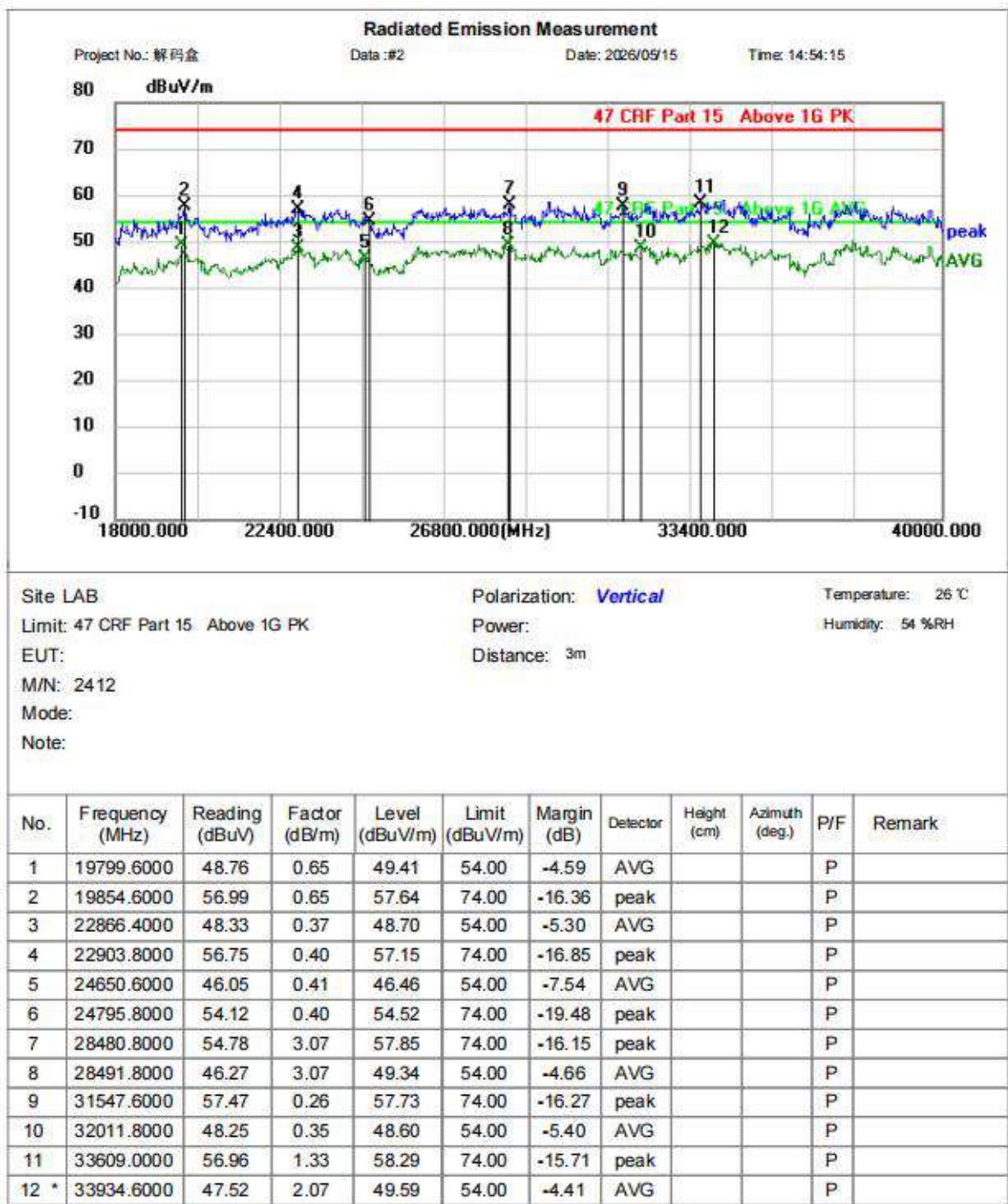
Distance: 3m

M/N: 2412

Mode:

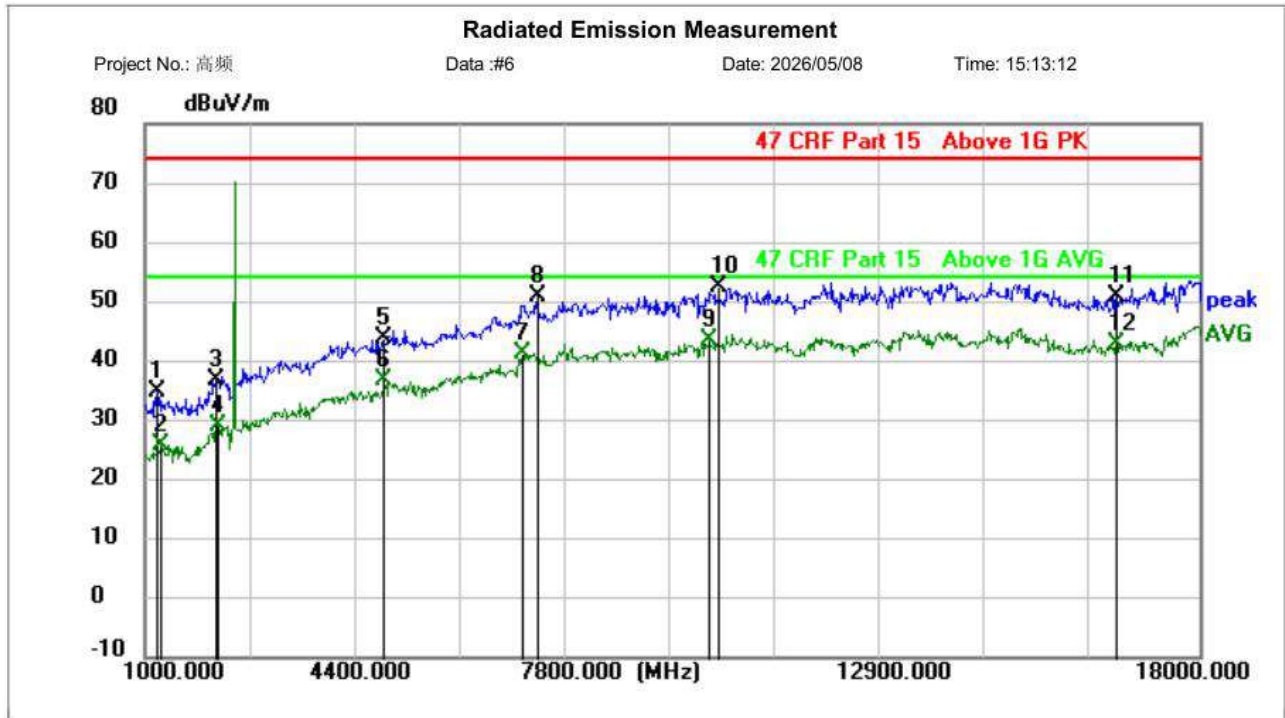
Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1214.2000	51.48	-25.18	26.30	54.00	-27.70	AVG			P	
2	1433.5000	59.34	-25.32	34.02	74.00	-39.98	peak			P	
3	4823.3000	54.59	-17.54	37.05	54.00	-16.95	AVG			P	
4	4840.3000	61.37	-17.48	43.89	74.00	-30.11	peak			P	
5	7862.9000	64.73	-12.42	52.31	74.00	-21.69	peak			P	
6	7932.6000	54.49	-12.18	42.31	54.00	-11.69	AVG			P	
7	9532.3000	51.88	-8.72	43.16	54.00	-10.84	AVG			P	
8	9766.9000	61.00	-8.96	52.04	74.00	-21.96	peak			P	
9	12101.0000	51.92	-7.49	44.43	54.00	-9.57	AVG			P	
10	12216.6000	60.32	-7.81	52.51	74.00	-21.49	peak			P	
11 *	14574.5000	54.78	-8.81	45.97	54.00	-8.03	AVG			P	
12	14617.0000	61.95	-8.74	53.21	74.00	-20.79	peak			P	



3

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: M



Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: 47 CRF Part 15 Above 1G PK

Power:

Humidity: 54 %RH

EUT:

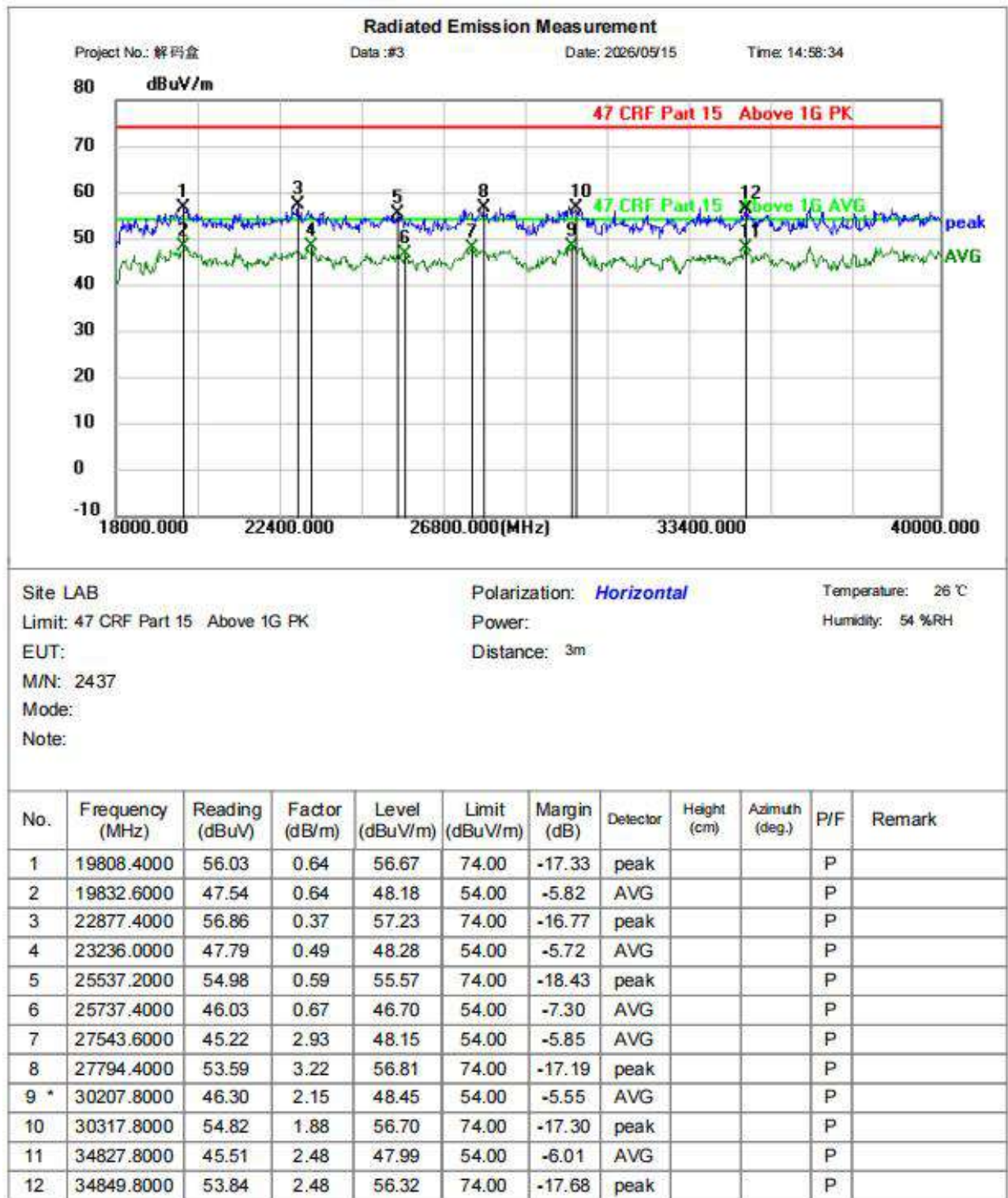
Distance: 3m

M/N: 2437

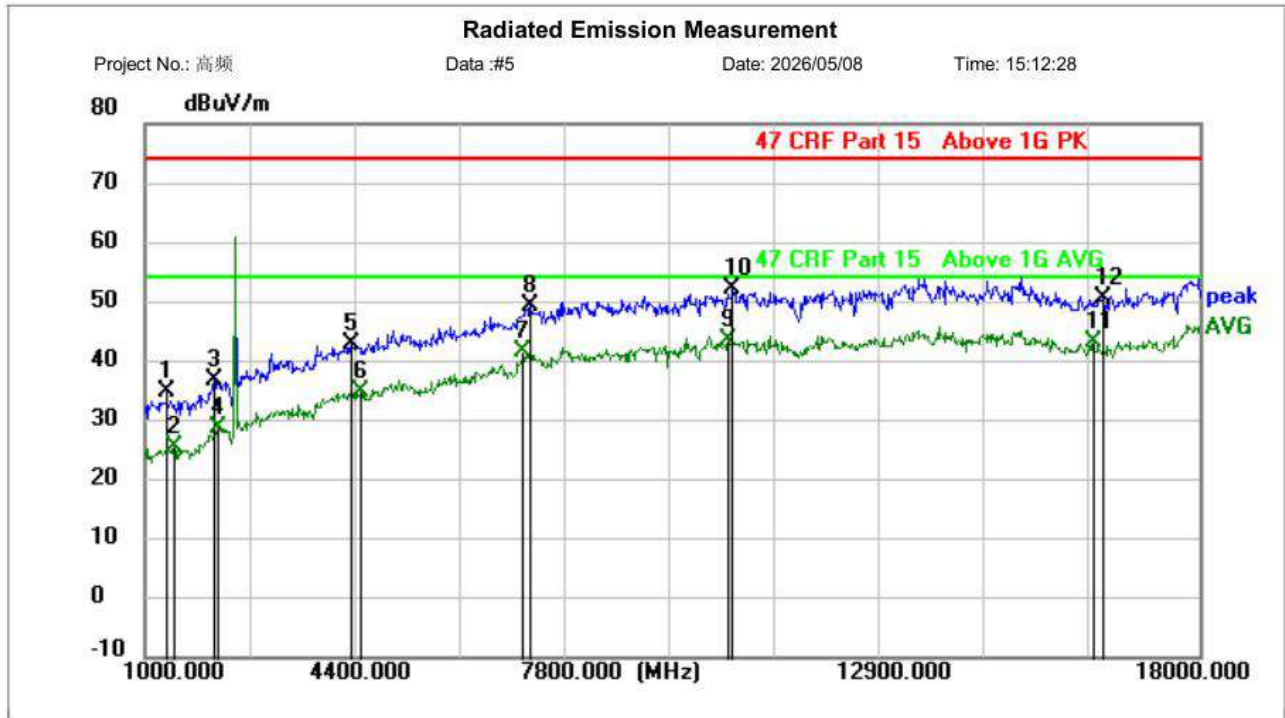
Mode:

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1214.2000	59.99	-25.28	34.71	74.00	-39.29	peak	149	360	P	
2	1280.5000	51.21	-25.38	25.83	54.00	-28.17	AVG	149	360	P	
3	2154.3000	59.70	-23.08	36.62	74.00	-37.38	peak	149	360	P	
4	2176.4000	52.08	-23.12	28.96	54.00	-25.04	AVG	149	360	P	
5	4874.3000	61.23	-17.44	43.79	74.00	-30.21	peak	149	360	P	
6	4874.3000	54.21	-17.44	36.77	54.00	-17.23	AVG	149	360	P	
7	7114.9000	54.30	-12.92	41.38	54.00	-12.62	AVG	149	360	P	
8	7308.7000	63.87	-12.97	50.90	74.00	-23.10	peak	149	360	P	
9 *	10110.3000	52.07	-8.55	43.52	54.00	-10.48	AVG	149	360	P	
10	10280.3000	60.77	-8.26	52.51	74.00	-21.49	peak	149	360	P	
11	16668.9000	61.19	-10.13	51.06	74.00	-22.94	peak	149	360	P	
12	16668.9000	52.91	-10.13	42.78	54.00	-11.22	AVG	149	360	P	



TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: M



Site LAB

Limit: 47 CRF Part 15 Above 1G PK

EUT:

M/N: 2437

Mode:

Note:

Polarization: **Vertical**

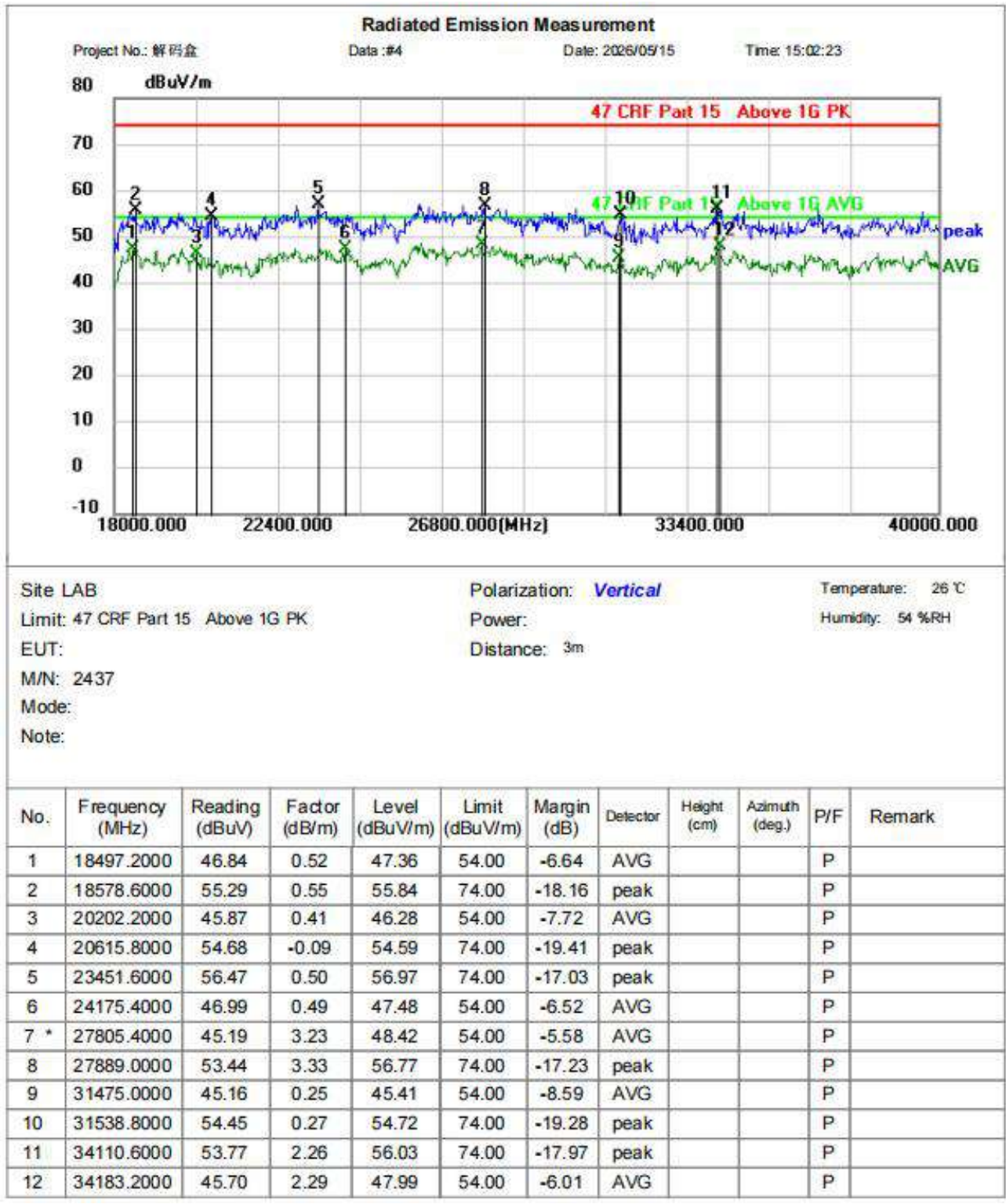
Power:

Distance: 3m

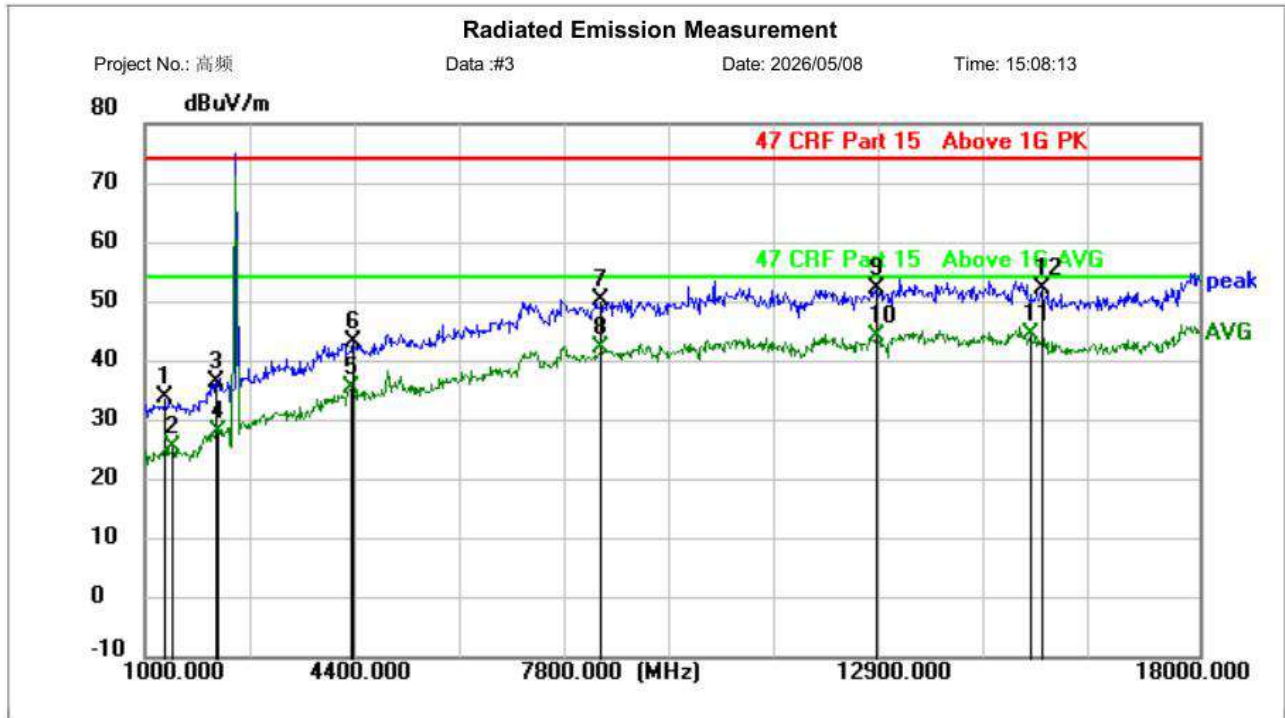
Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1341.7000	60.33	-25.33	35.00	74.00	-39.00	peak	149	360	P	
2	1489.6000	50.59	-25.22	25.37	54.00	-28.63	AVG	149	360	P	
3	2132.2000	60.07	-23.22	36.85	74.00	-37.15	peak	149	360	P	
4	2183.2000	51.69	-23.09	28.60	54.00	-25.40	AVG	149	360	P	
5	4330.3000	61.52	-18.54	42.98	74.00	-31.02	peak	149	360	P	
6	4469.7000	53.16	-18.18	34.98	54.00	-19.02	AVG	149	360	P	
7	7118.3000	54.85	-13.21	41.64	54.00	-12.36	AVG	149	360	P	
8	7227.1000	62.24	-12.86	49.38	74.00	-24.62	peak	149	360	P	
9 *	10385.7000	51.21	-7.75	43.46	54.00	-10.54	AVG	149	360	P	
10	10484.3000	59.69	-7.64	52.05	74.00	-21.95	peak	149	360	P	
11	16300.0000	52.98	-9.91	43.07	54.00	-10.93	AVG	149	360	P	
12	16442.8000	60.30	-9.77	50.53	74.00	-23.47	peak	149	360	P	



TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: 47 CRF Part 15 Above 1G PK

Power:

Humidity: 54 %RH

EUT:

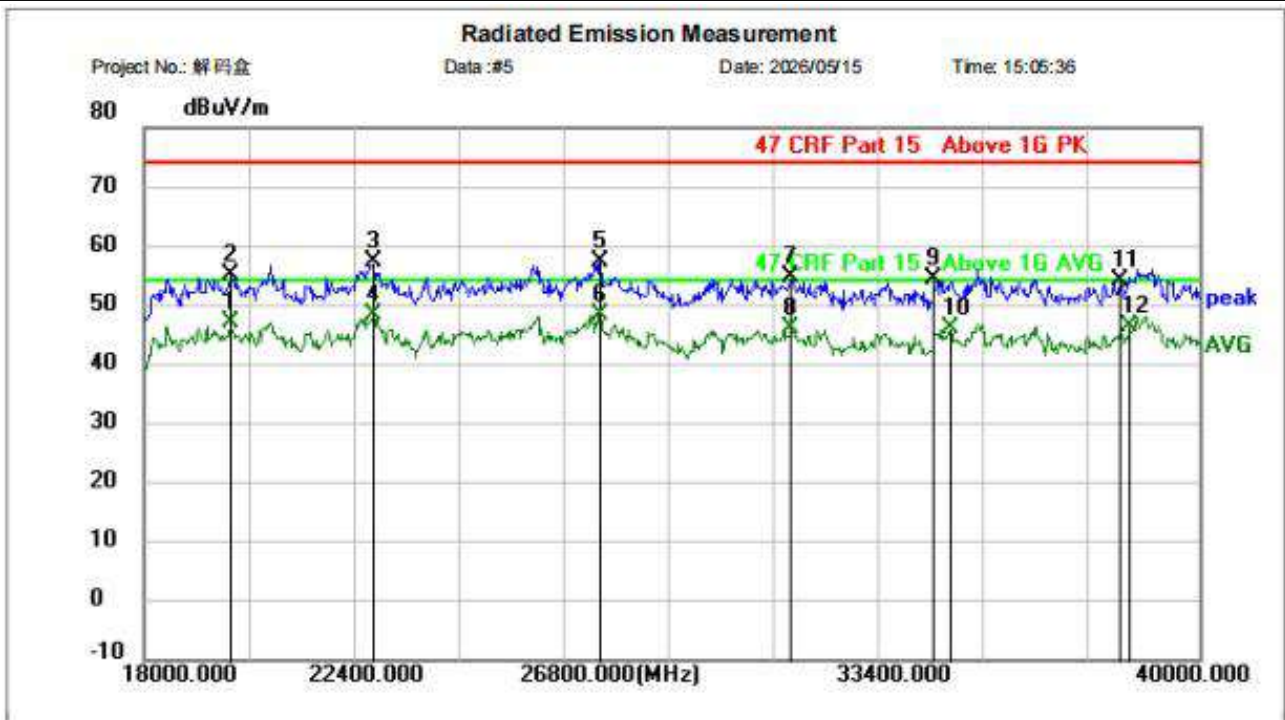
Distance: 3m

M/N: 2462

Mode:

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1338.3000	59.38	-25.44	33.94	74.00	-40.06	peak	149	360	P	
2	1467.5000	51.02	-25.57	25.45	54.00	-28.55	AVG	149	360	P	
3	2173.0000	59.57	-23.12	36.45	74.00	-37.55	peak	149	360	P	
4	2186.6000	51.26	-23.13	28.13	54.00	-25.87	AVG	149	360	P	
5	4303.1000	53.90	-18.54	35.36	54.00	-18.64	AVG	149	360	P	
6	4352.4000	61.64	-18.45	43.19	74.00	-30.81	peak	149	360	P	
7	8359.3000	61.65	-11.35	50.30	74.00	-23.70	peak	149	360	P	
8	8369.5000	53.46	-11.32	42.14	54.00	-11.86	AVG	149	360	P	
9	12786.1000	61.04	-8.80	52.24	74.00	-21.76	peak	149	360	P	
10	12786.1000	52.98	-8.80	44.18	54.00	-9.82	AVG	149	360	P	
11 *	15264.7000	53.53	-9.05	44.48	54.00	-9.52	AVG	149	360	P	
12	15455.1000	61.79	-9.62	52.17	74.00	-21.83	peak	149	360	P	



Site LAB

Limit: 47 CRF Part 15 Above 1G PK

EUT:

M/N: 2462

Mode:

Note:

Polarization: **Horizontal**

Power:

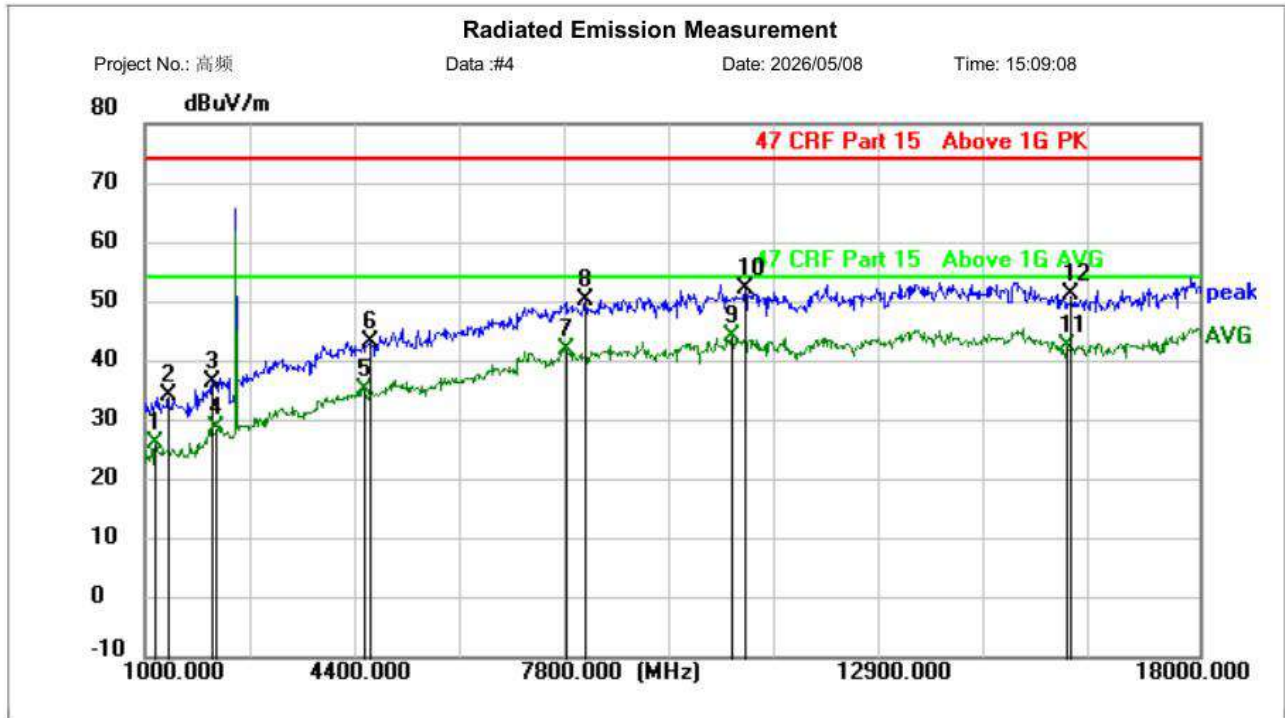
Distance: 3m

Temperature: 26 °C

Humidity: 54 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	19821.6000	46.45	0.65	47.10	54.00	-6.90	AVG			P	
2	19839.2000	54.48	0.66	55.14	74.00	-18.86	peak			P	
3	22793.8000	57.08	0.30	57.38	74.00	-16.62	peak			P	
4	22802.6000	47.99	0.31	48.30	54.00	-5.70	AVG			P	
5	27548.0000	54.47	2.93	57.40	74.00	-16.60	peak			P	
6 *	27548.0000	45.42	2.93	48.35	54.00	-5.65	AVG			P	
7	31477.2000	54.40	0.25	54.65	74.00	-19.35	peak			P	
8	31477.2000	45.85	0.25	46.10	54.00	-7.90	AVG			P	
9	34467.0000	52.18	2.36	54.54	74.00	-19.46	peak			P	
10	34849.8000	43.54	2.48	46.02	54.00	-7.98	AVG			P	
11	38339.0000	53.97	0.25	54.22	74.00	-19.78	peak			P	
12	38554.6000	45.94	0.52	46.46	54.00	-7.54	AVG			P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



Site LAB

Polarization: **Vertical**

Temperature: 26 ℃

Limit: 47 CRF Part 15 Above 1G PK

Power:

Humidity: 54 %RH

EUT:

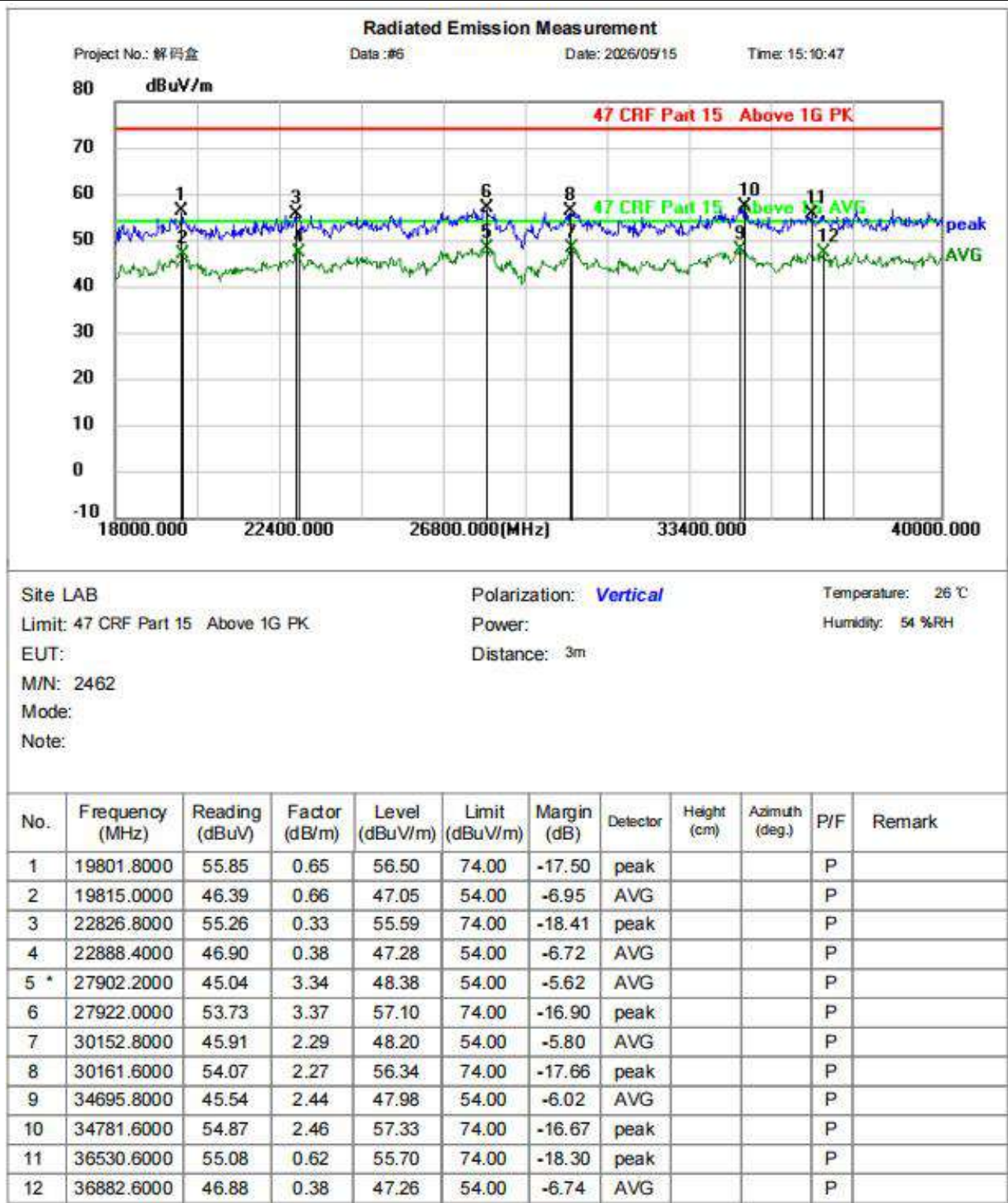
Distance: 3m

M/N: 2462

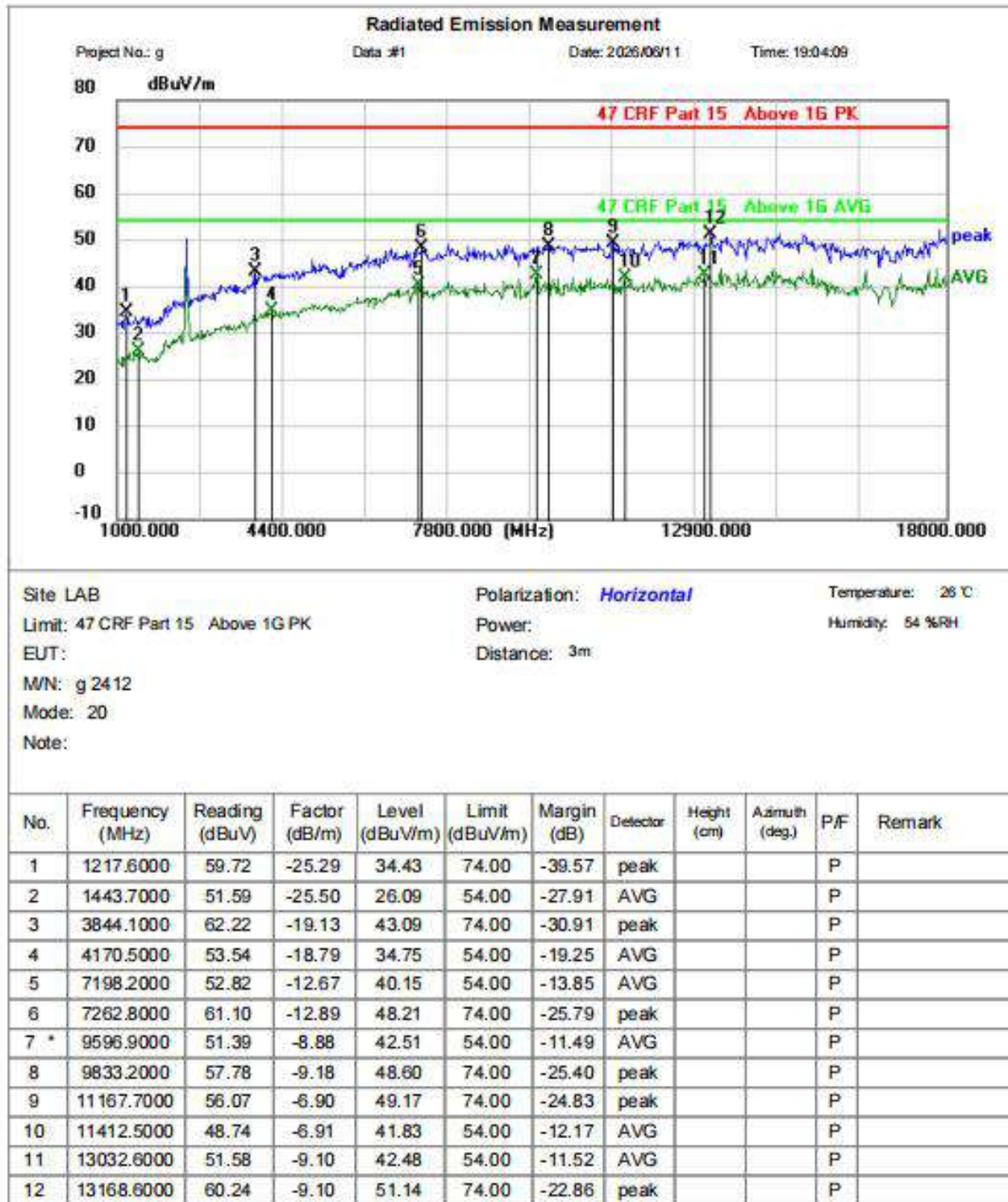
Mode:

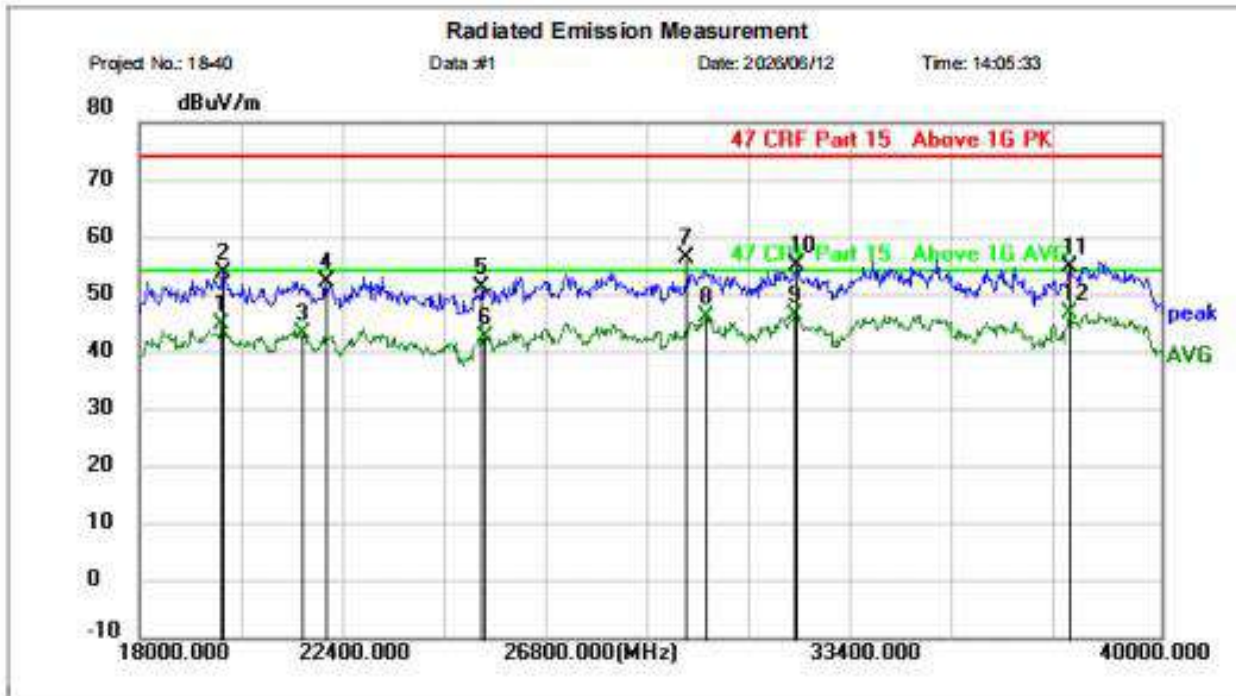
Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1171.7000	51.39	-25.25	26.14	54.00	-27.86	AVG	149	360	P	
2	1408.0000	59.40	-25.33	34.07	74.00	-39.93	peak	149	360	P	
3	2096.5000	59.73	-23.33	36.40	74.00	-37.60	peak			P	
4	2156.0000	51.89	-23.16	28.73	54.00	-25.27	AVG			P	
5	4529.2000	53.29	-18.19	35.10	54.00	-18.90	AVG	149	360	P	
6	4622.7000	61.35	-18.11	43.24	74.00	-30.76	peak	149	360	P	
7	7769.4000	54.65	-12.80	41.85	54.00	-12.15	AVG	149	360	P	
8	8073.7000	62.43	-12.10	50.33	74.00	-23.67	peak	149	360	P	
9 *	10484.3000	51.92	-7.64	44.28	54.00	-9.72	AVG	149	360	P	
10	10666.2000	59.35	-7.09	52.26	74.00	-21.74	peak	149	360	P	
11	15880.1000	52.45	-9.75	42.70	54.00	-11.30	AVG	149	360	P	
12	15953.2000	61.09	-9.85	51.24	74.00	-22.76	peak	149	360	P	



TM2 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L





Site LAB

Limit: 47 CFR Part 15 Above 1G PK

EUT:

M/N: g 2412

Mode: 20

Note:

Polarization: *Horizontal*

Power:

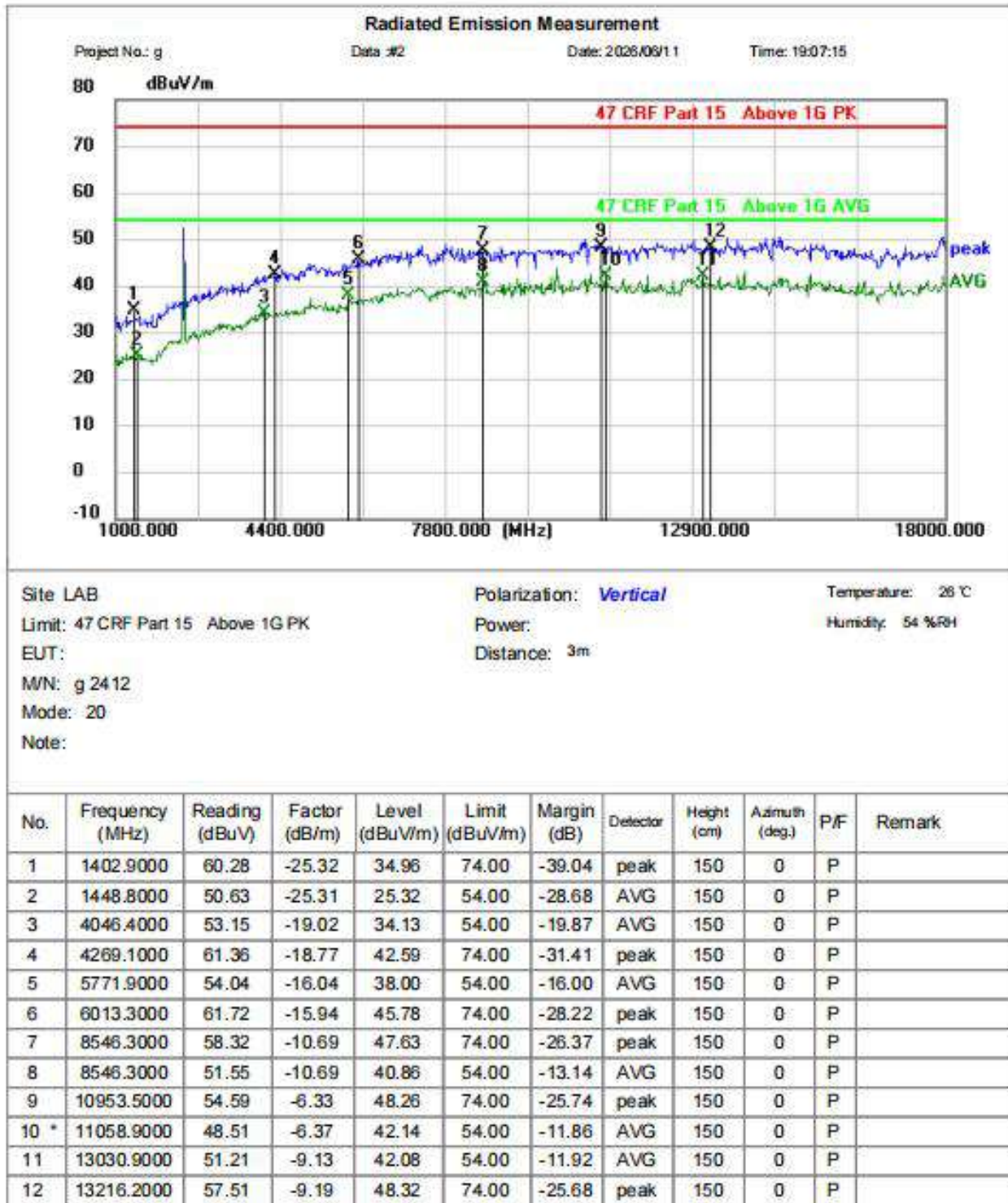
Distance: 3m

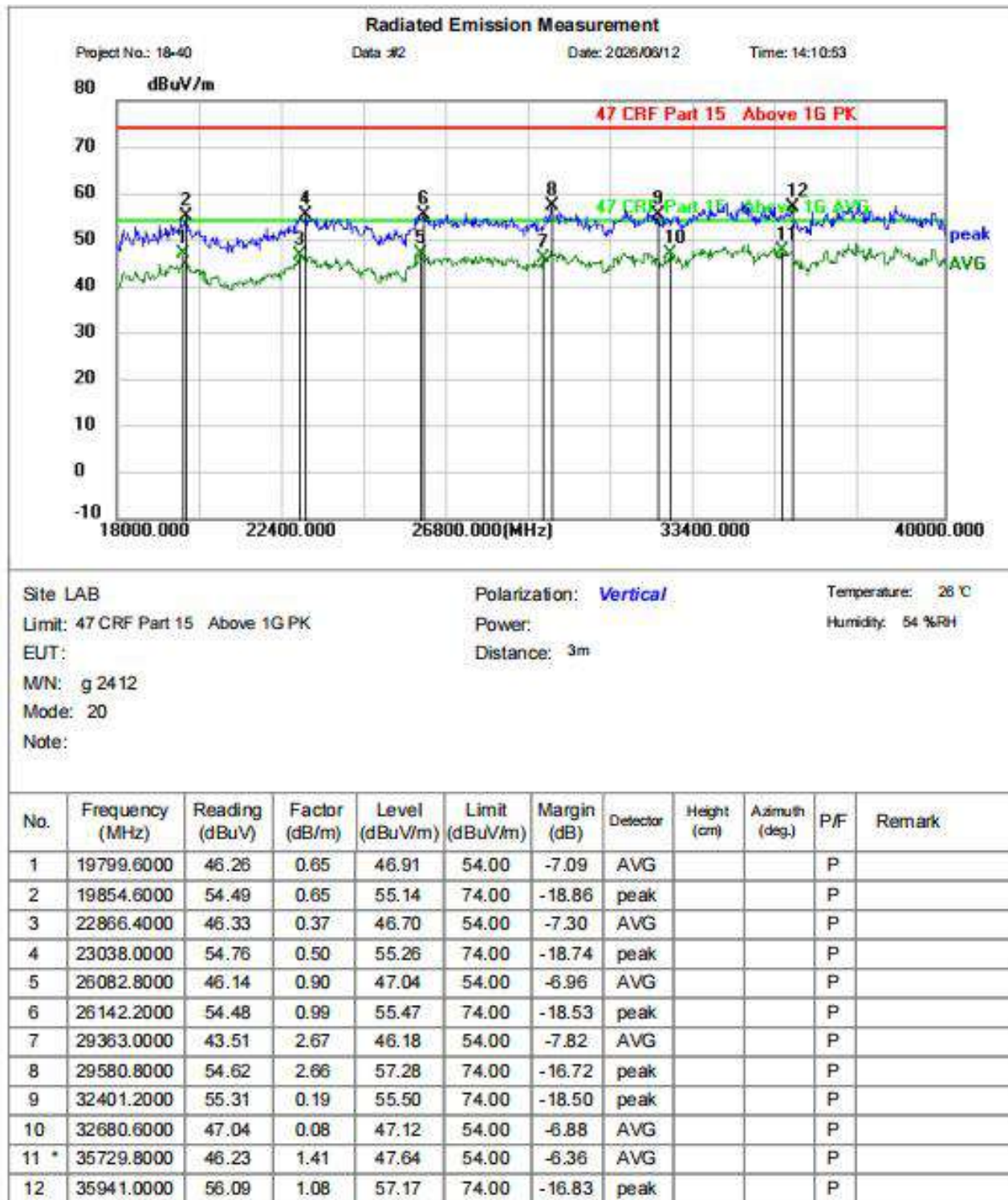
Temperature: 26 °C

Humidity: 54 %RH

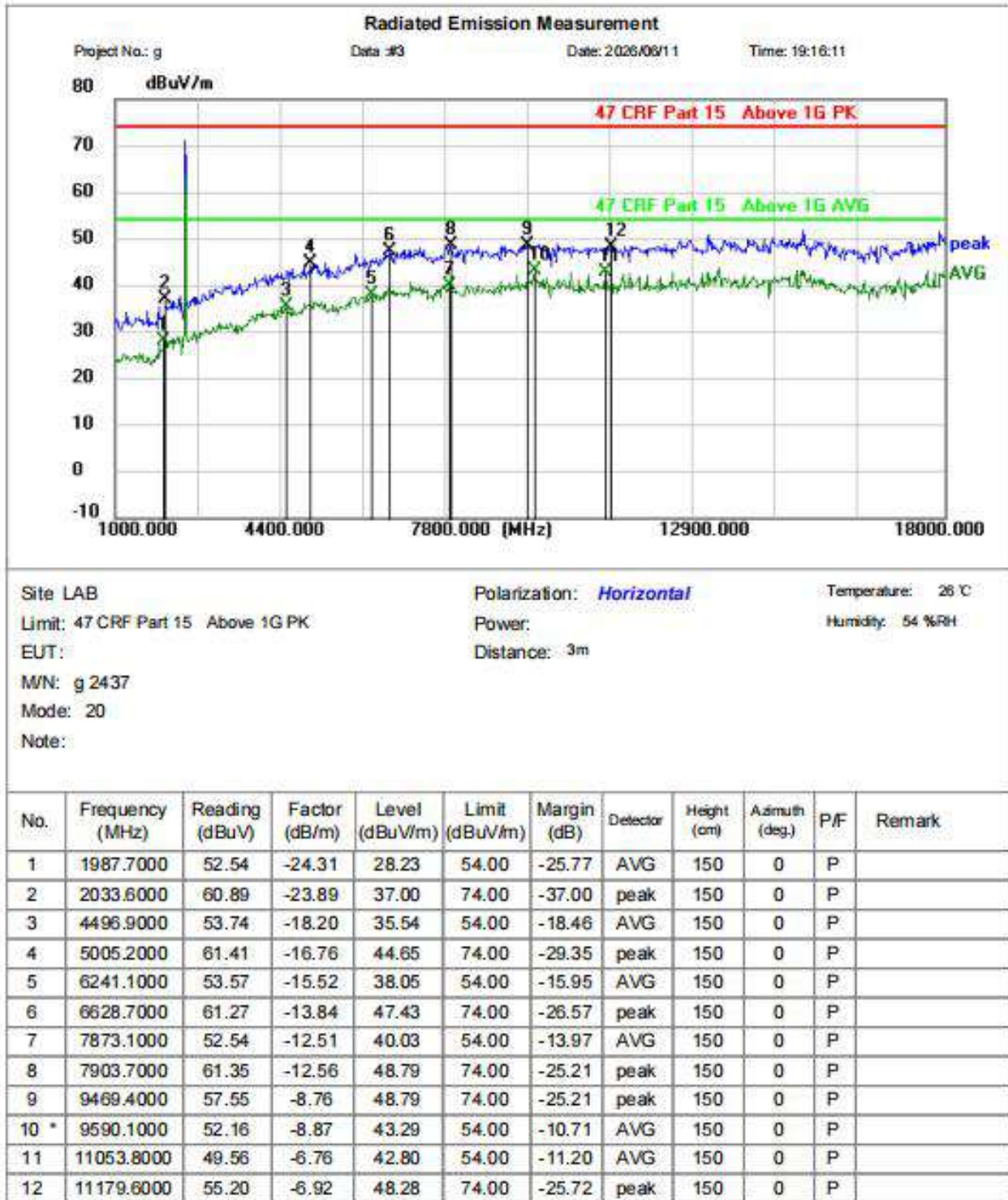
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	19795.2000	44.13	0.65	44.78	54.00	-9.22	AVG			P	
2	19819.4000	53.25	0.65	53.90	74.00	-20.10	peak			P	
3	21520.0000	43.79	-0.48	43.31	54.00	-10.69	AVG			P	
4	22026.0000	52.56	-0.40	52.16	74.00	-21.84	peak			P	
5	25359.0000	50.61	0.51	51.12	74.00	-22.88	peak			P	
6	25444.8000	41.93	0.55	42.48	54.00	-11.52	AVG			P	
7	29807.4000	53.56	2.66	56.22	74.00	-17.78	peak			P	
8	30194.6000	43.79	2.18	45.97	54.00	-8.03	AVG			P	
9	32108.6000	45.98	0.31	46.29	54.00	-7.71	AVG			P	
10	32150.4000	54.65	0.29	54.94	74.00	-19.06	peak			P	
11	38022.2000	54.75	-0.13	54.62	74.00	-19.38	peak			P	
12 *	38022.2000	46.92	-0.13	46.79	54.00	-7.21	AVG			P	

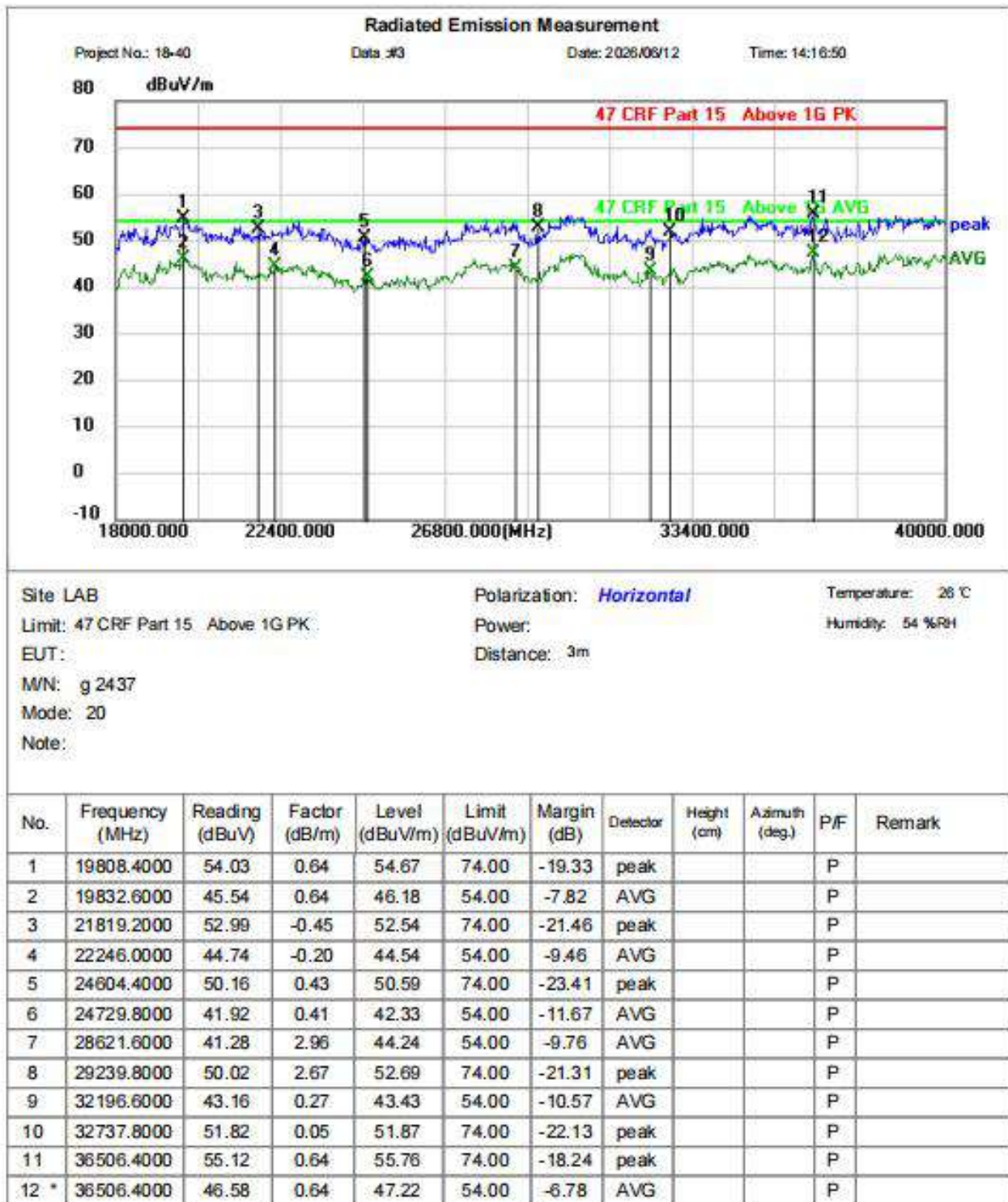
TM2 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L



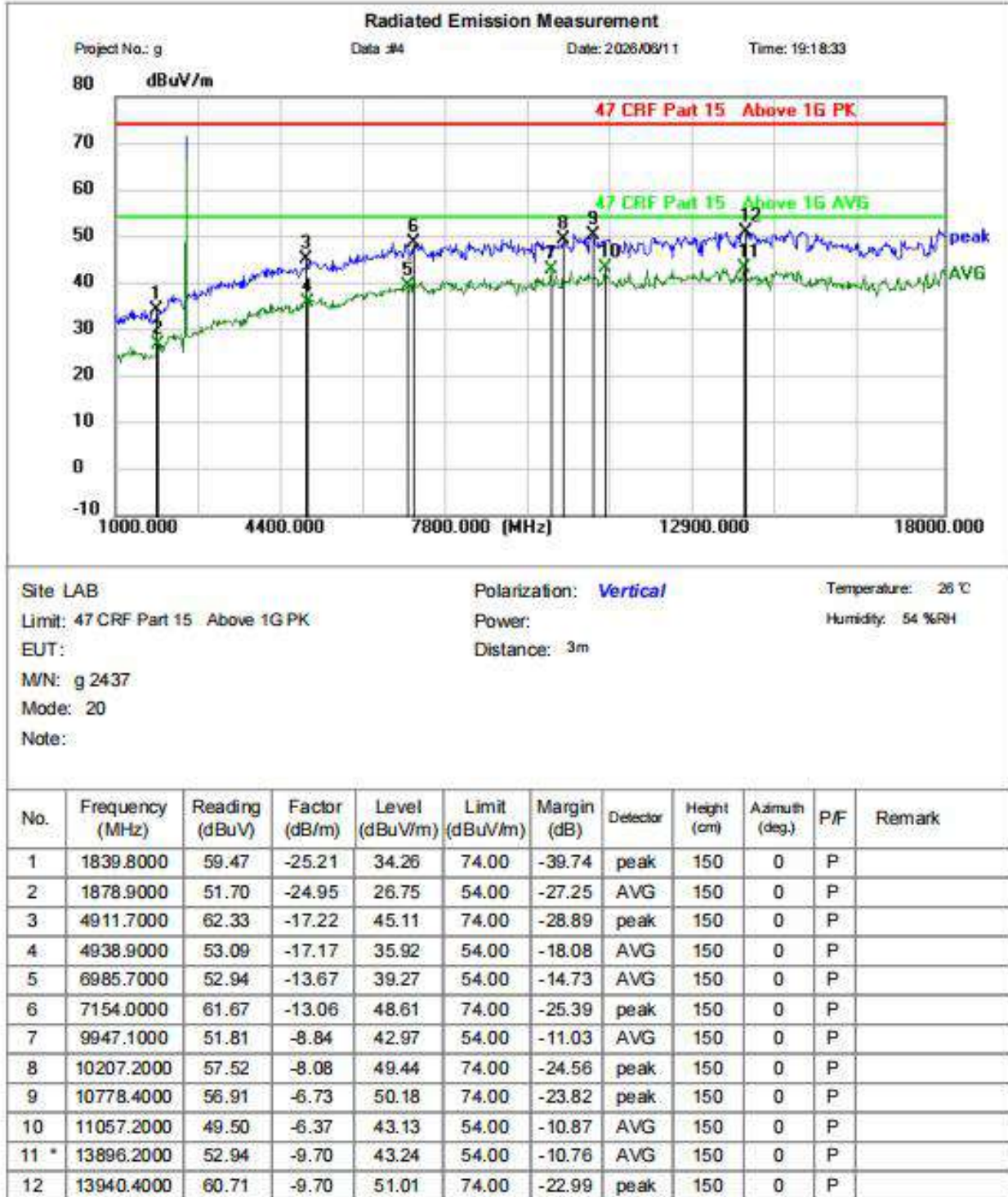


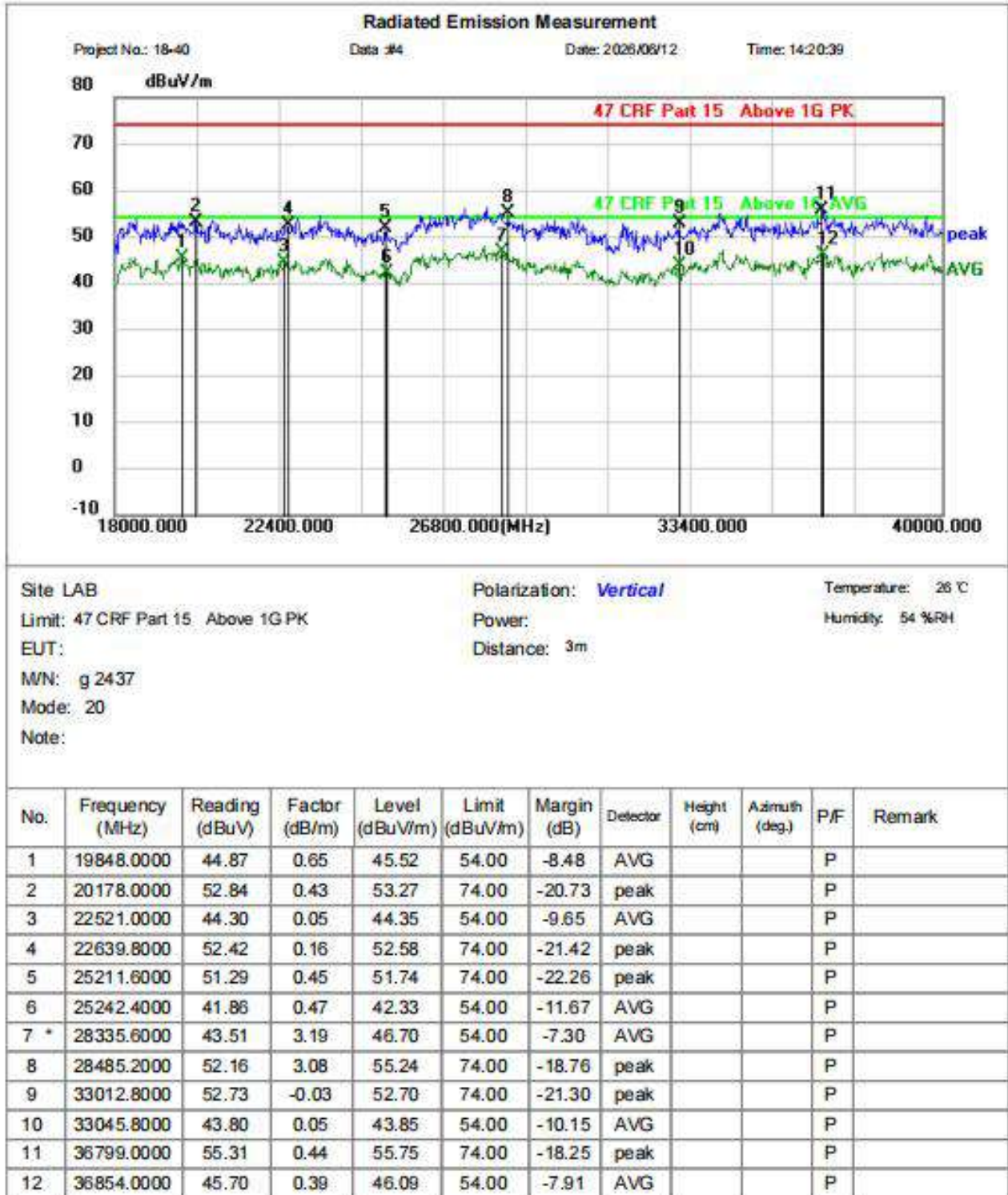
TM2 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: M



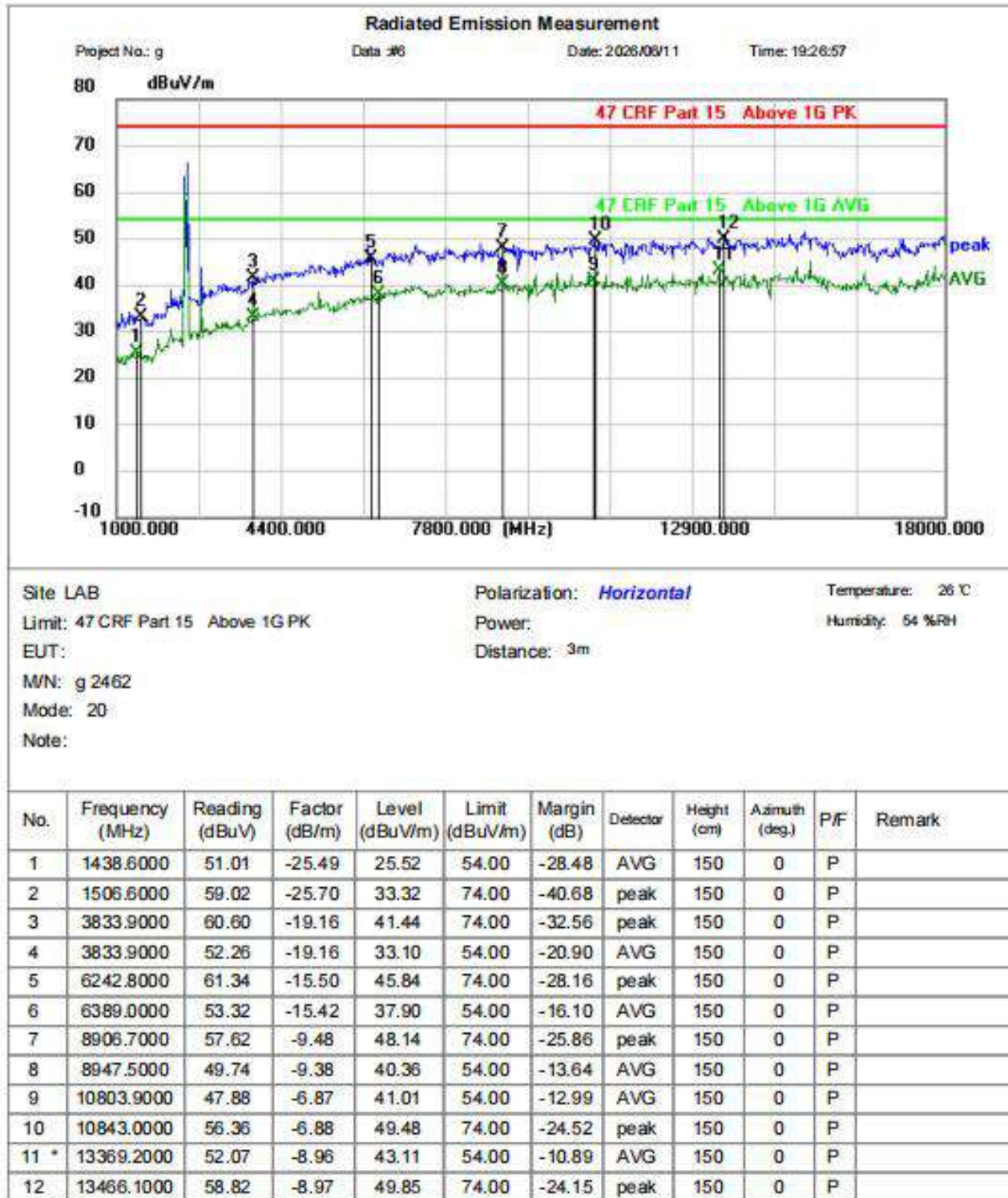


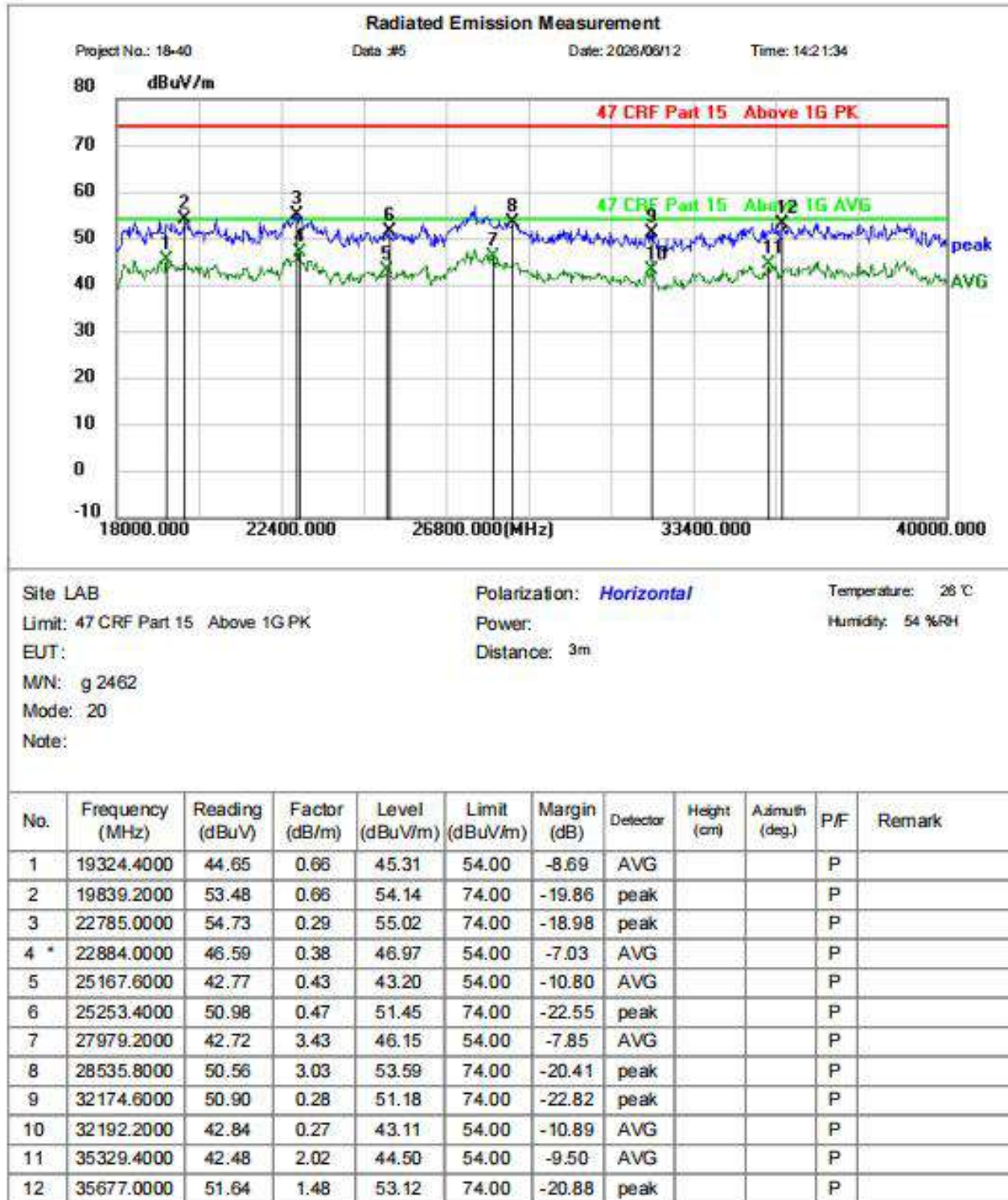
TM2 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: M



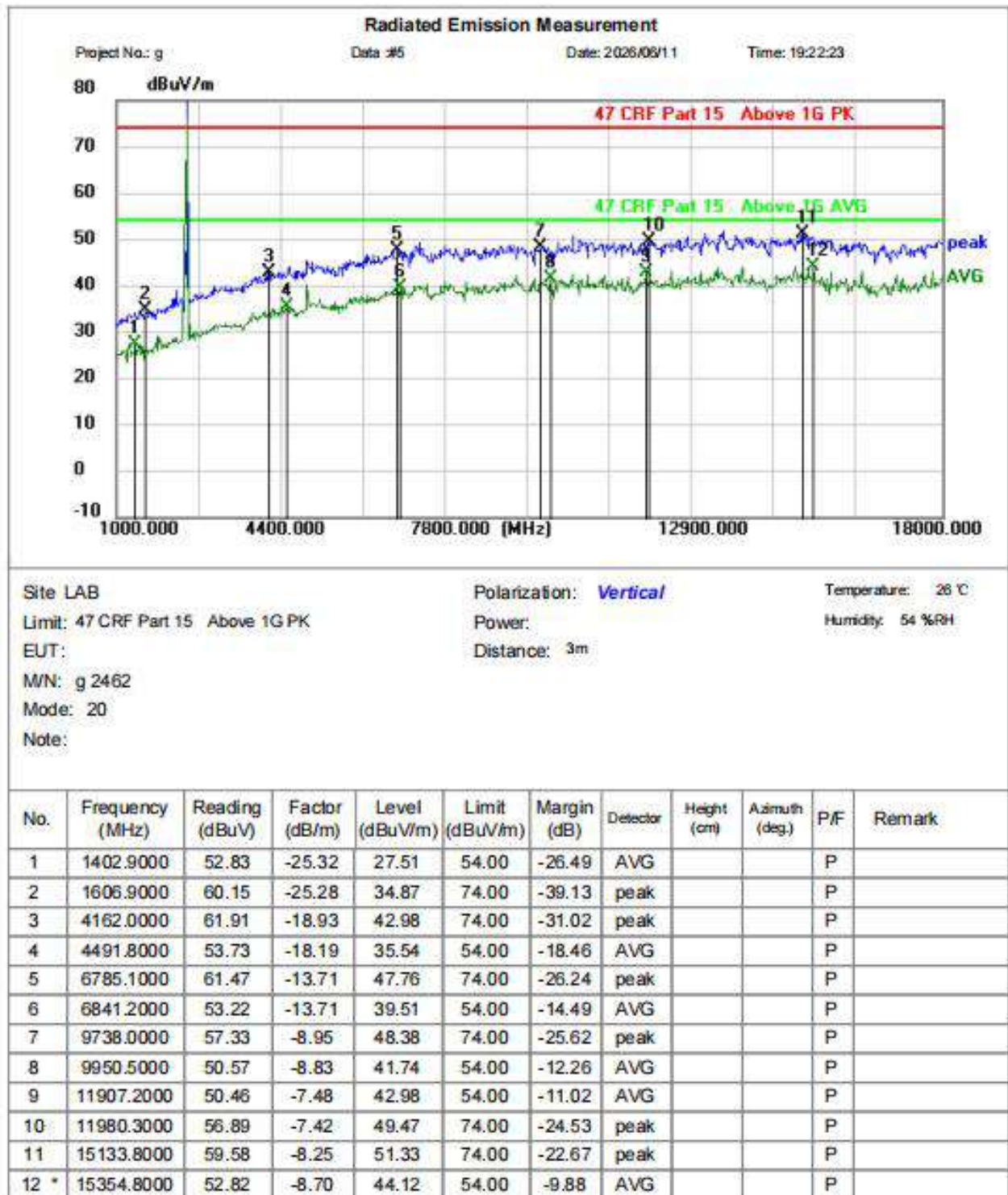


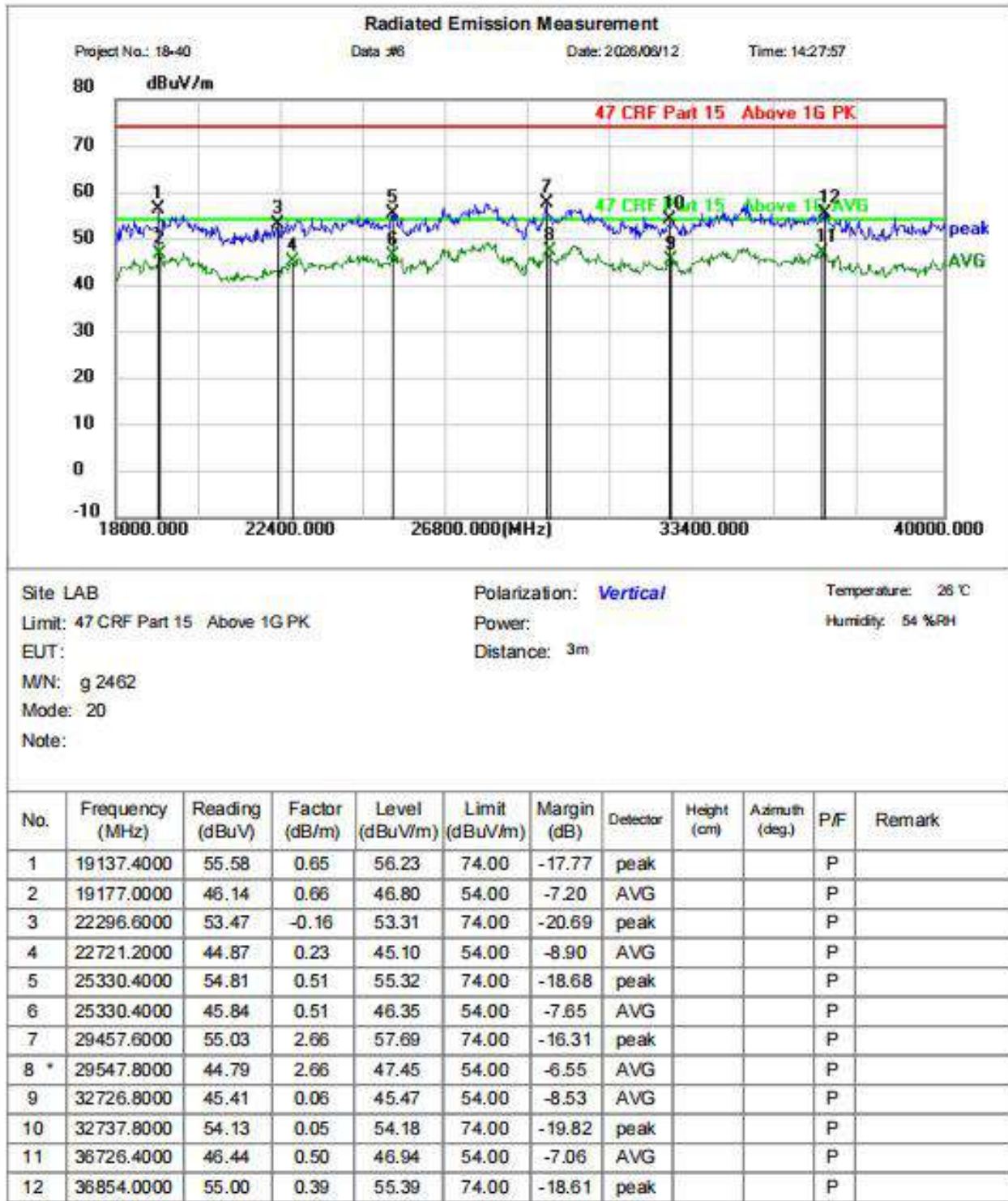
TM2 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



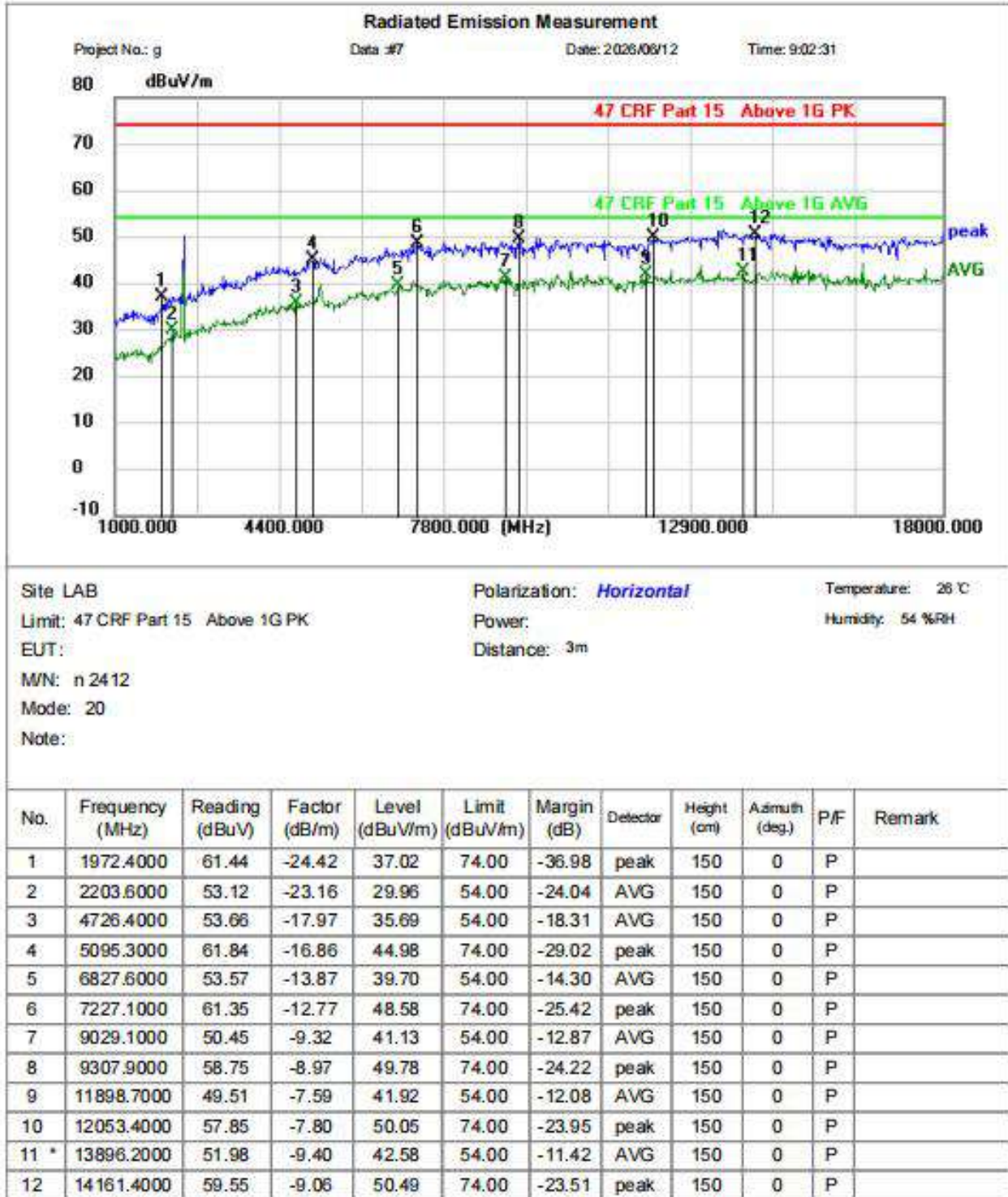


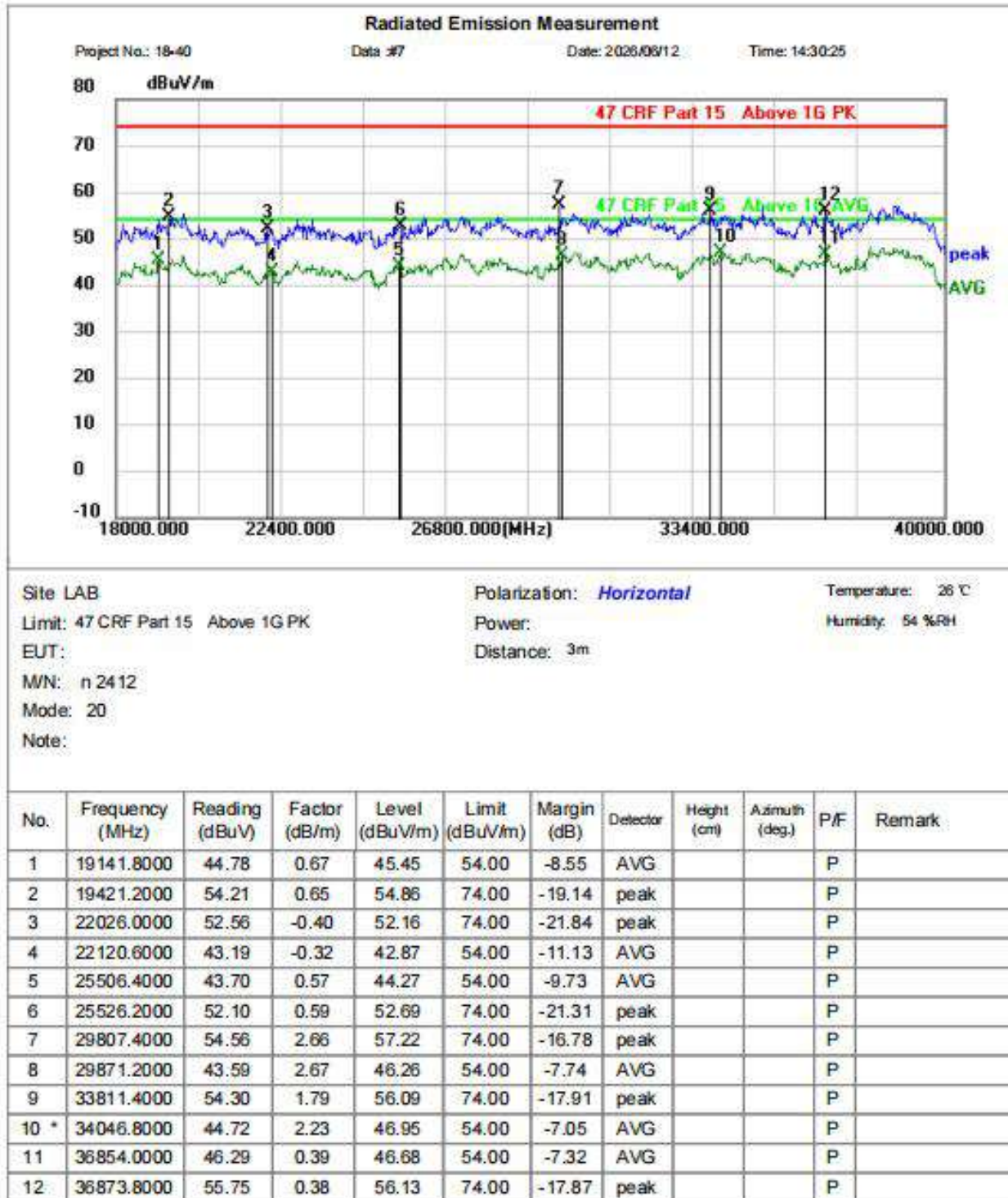
TM2 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



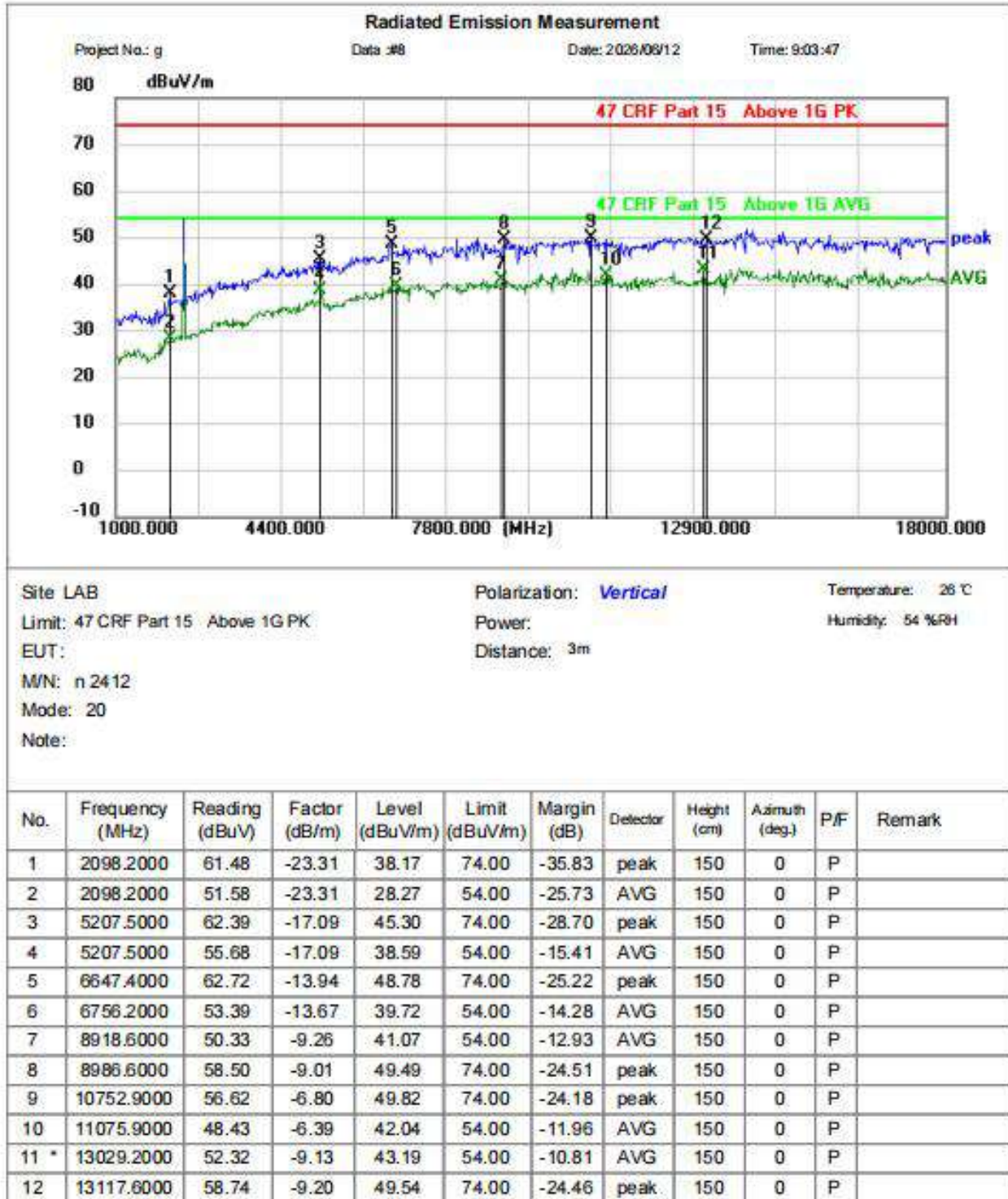


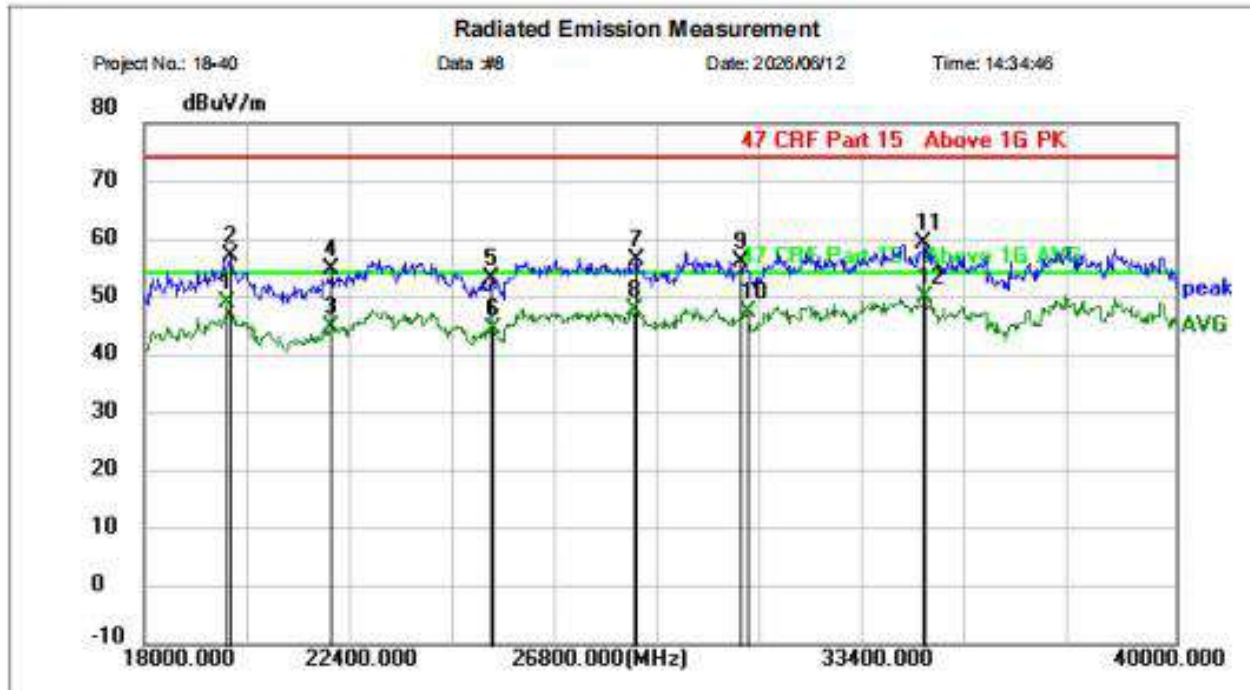
TM3 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: L





TM3 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: L





Site LAB

Polarization: **Vertical**

Temperature: 26.0°C

Limit: 47 CRF Part 15 Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

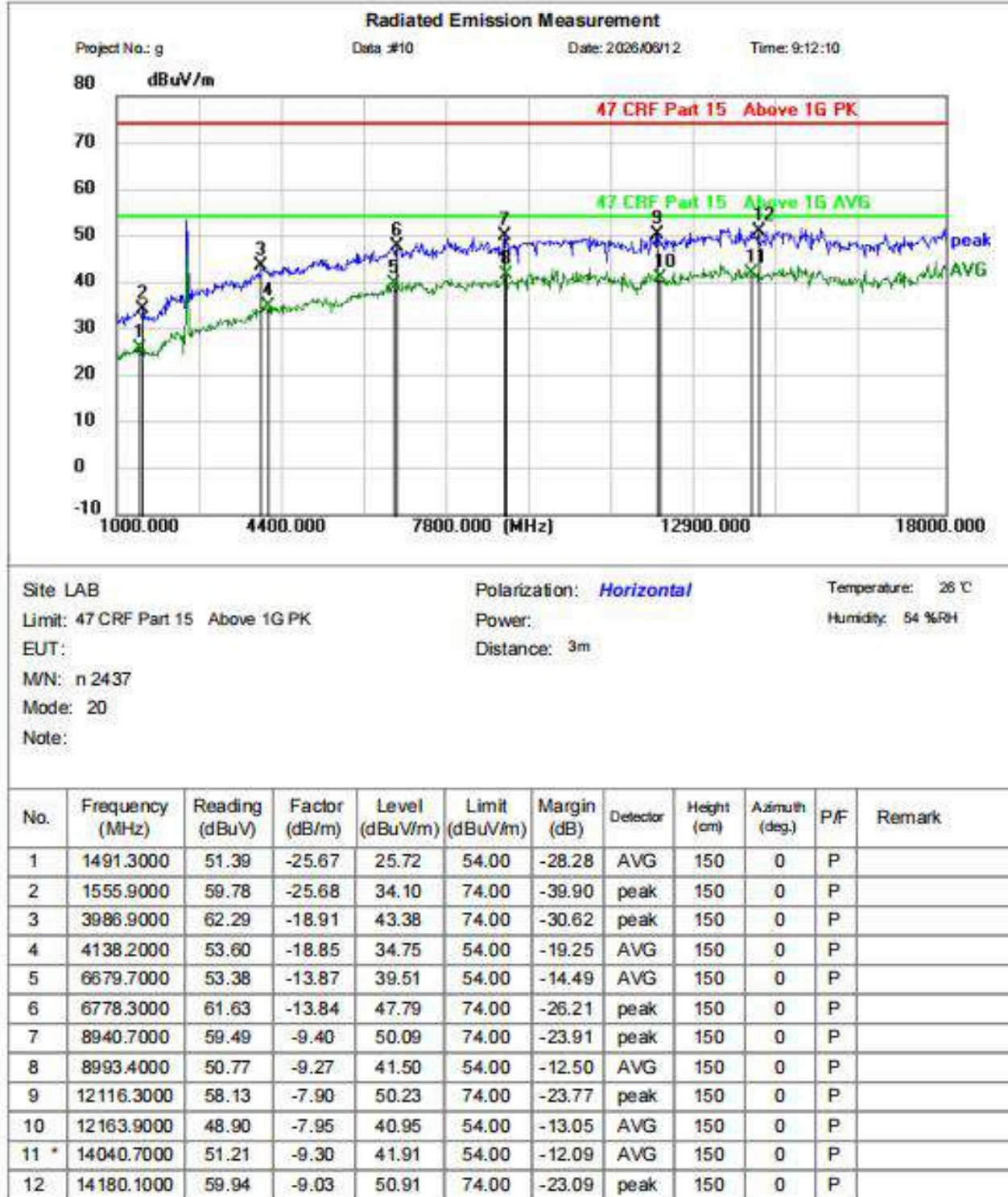
M/N: n 2412

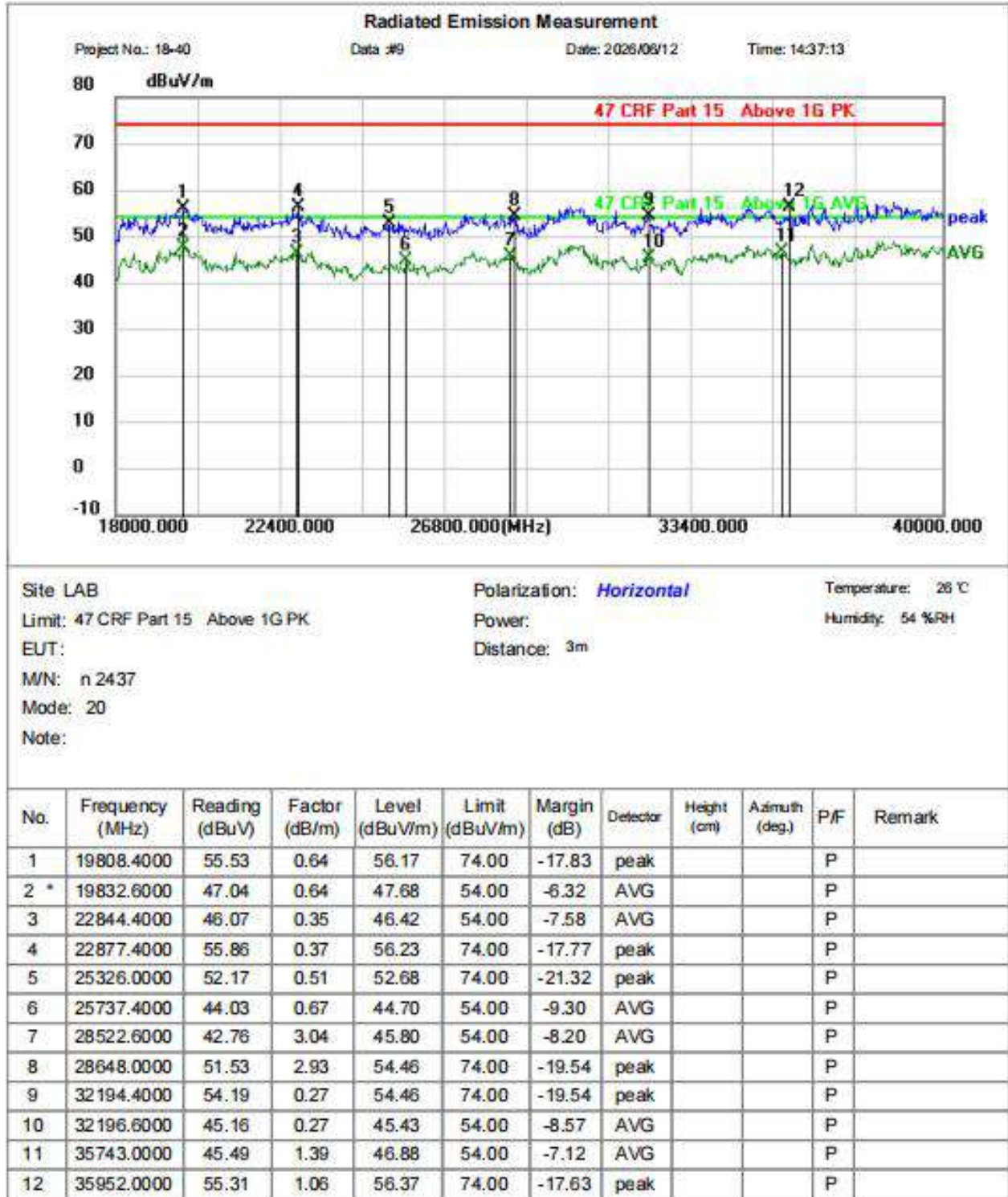
Mode: 20

Note:

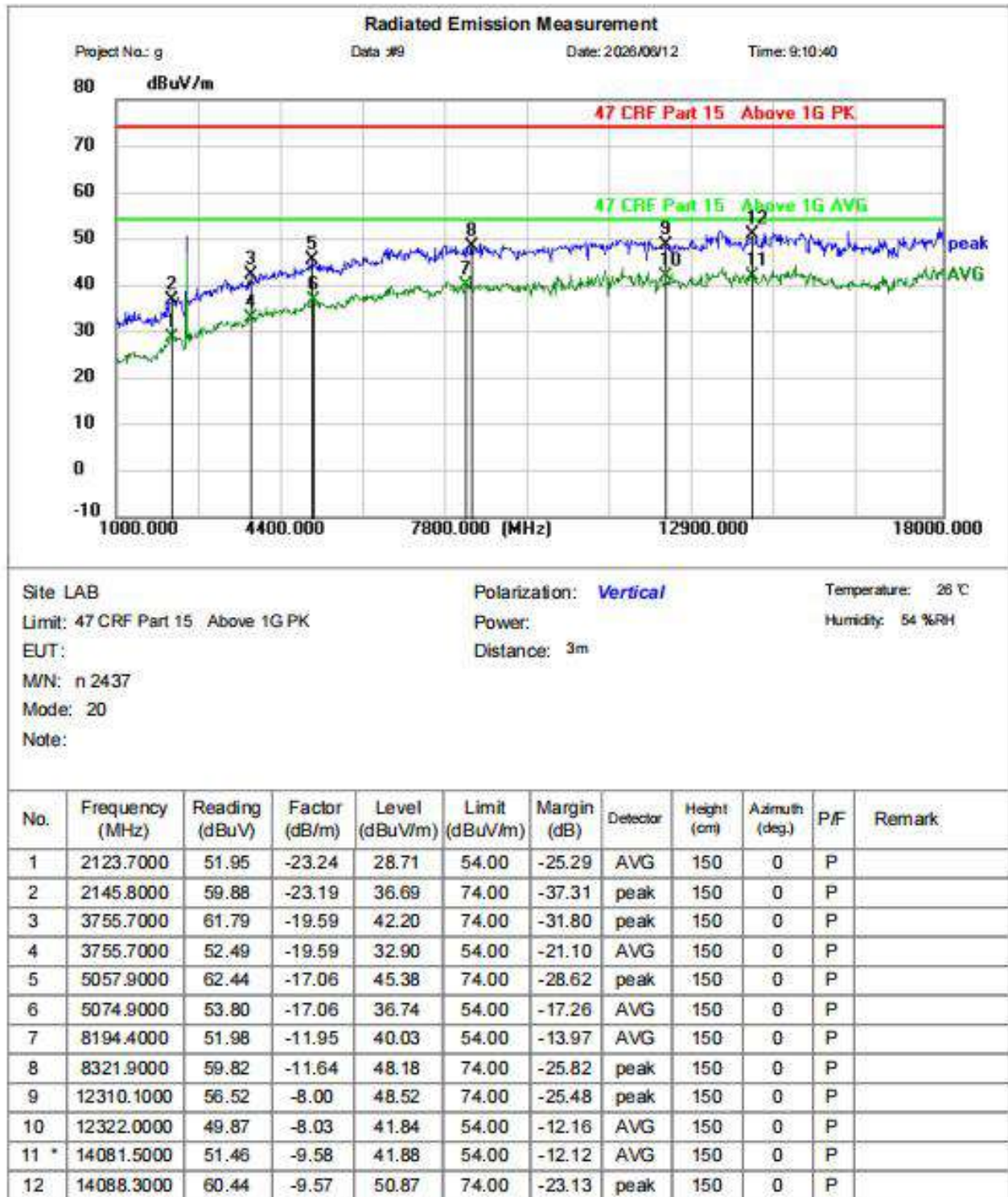
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	19799.6000	48.26	0.65	48.91	54.00	-5.09	AVG			P	
2	19854.6000	56.49	0.65	57.14	74.00	-16.86	peak			P	
3	21997.4000	45.35	-0.43	44.92	54.00	-9.08	AVG			P	
4	22012.8000	55.03	-0.42	54.61	74.00	-19.39	peak			P	
5	25376.6000	52.65	0.52	53.17	74.00	-20.83	peak			P	
6	25458.0000	43.85	0.55	44.40	54.00	-9.60	AVG			P	
7	28480.8000	53.28	3.07	56.35	74.00	-17.65	peak			P	
8	28491.8000	44.77	3.07	47.84	54.00	-6.16	AVG			P	
9	30760.0000	55.23	0.77	56.00	74.00	-18.00	peak			P	
10	30876.6000	46.94	0.48	47.42	54.00	-6.58	AVG			P	
11	34651.8000	56.73	2.43	59.16	74.00	-14.84	peak			P	
12 *	34671.6000	47.50	2.43	49.93	54.00	-4.07	AVG			P	

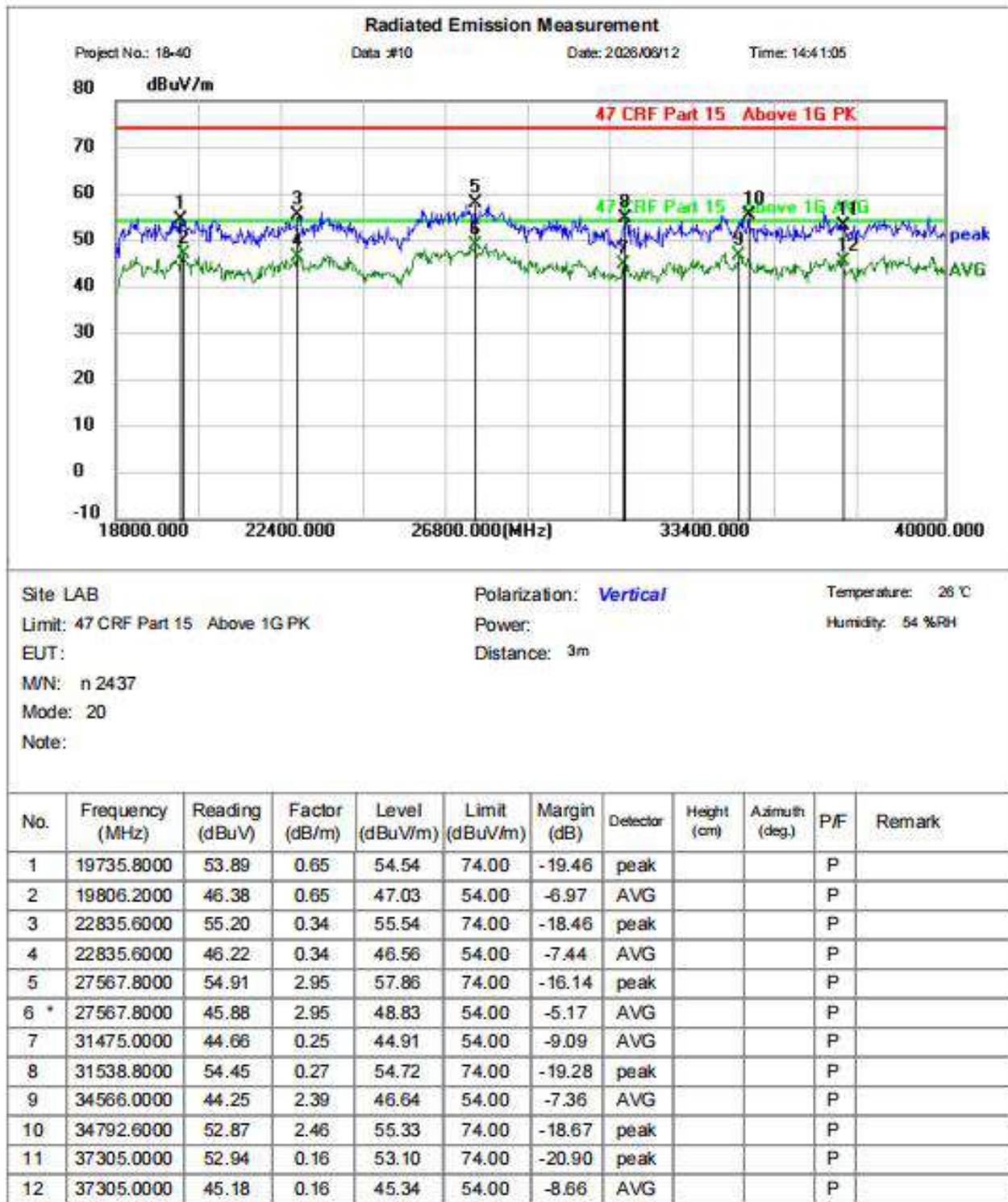
TM3 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: M



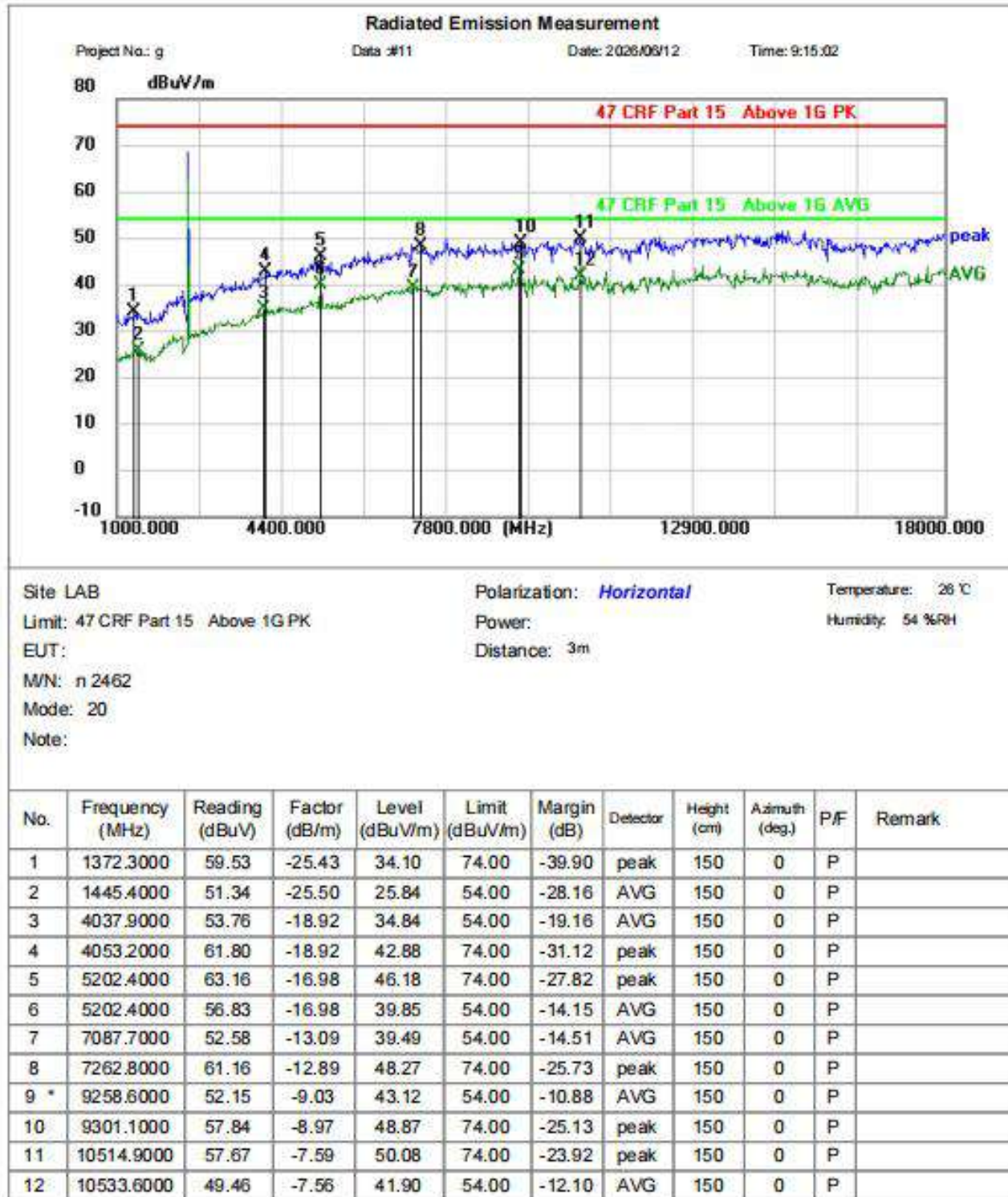


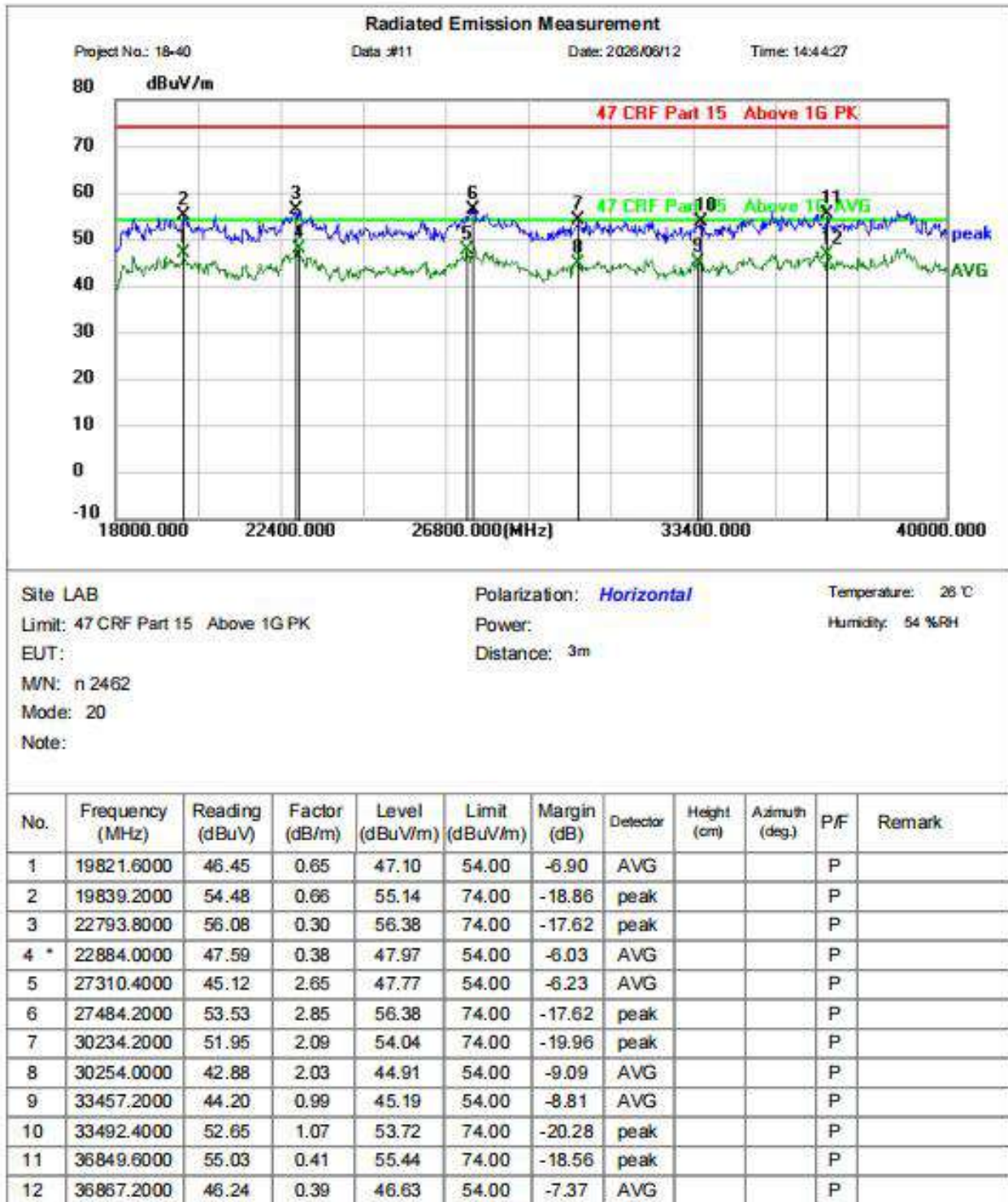
TM3 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: M



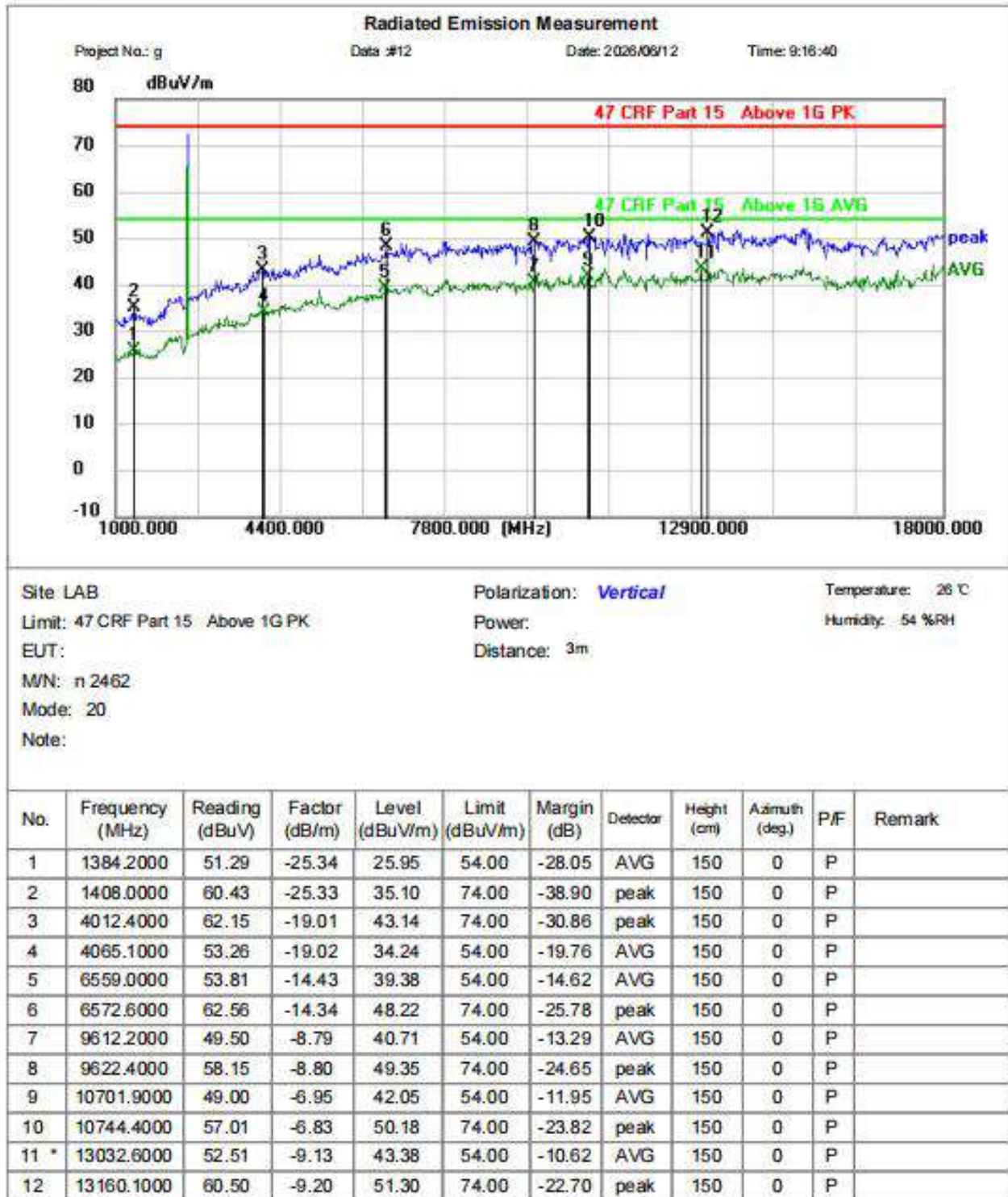


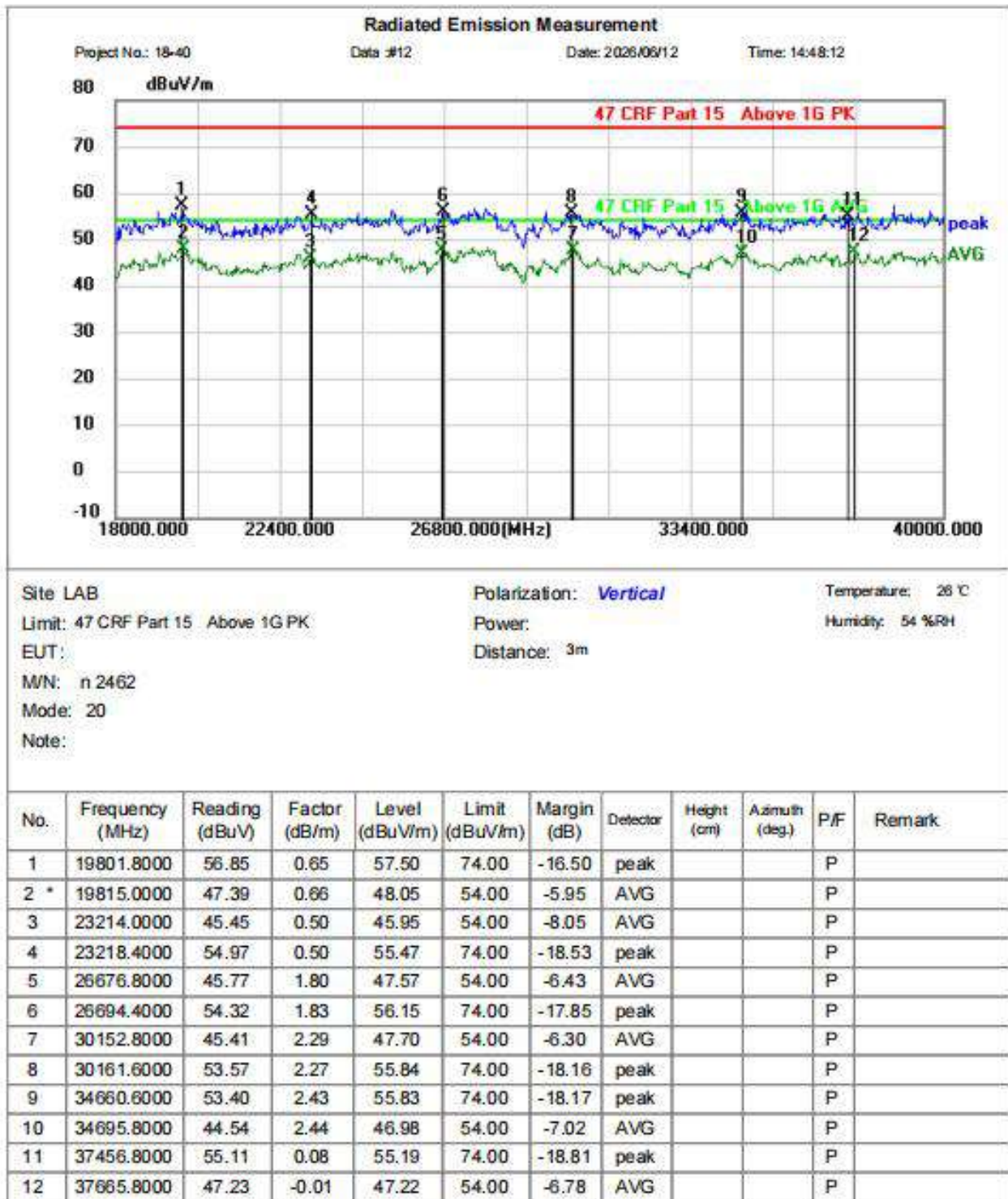
TM3 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 20 / CH: H



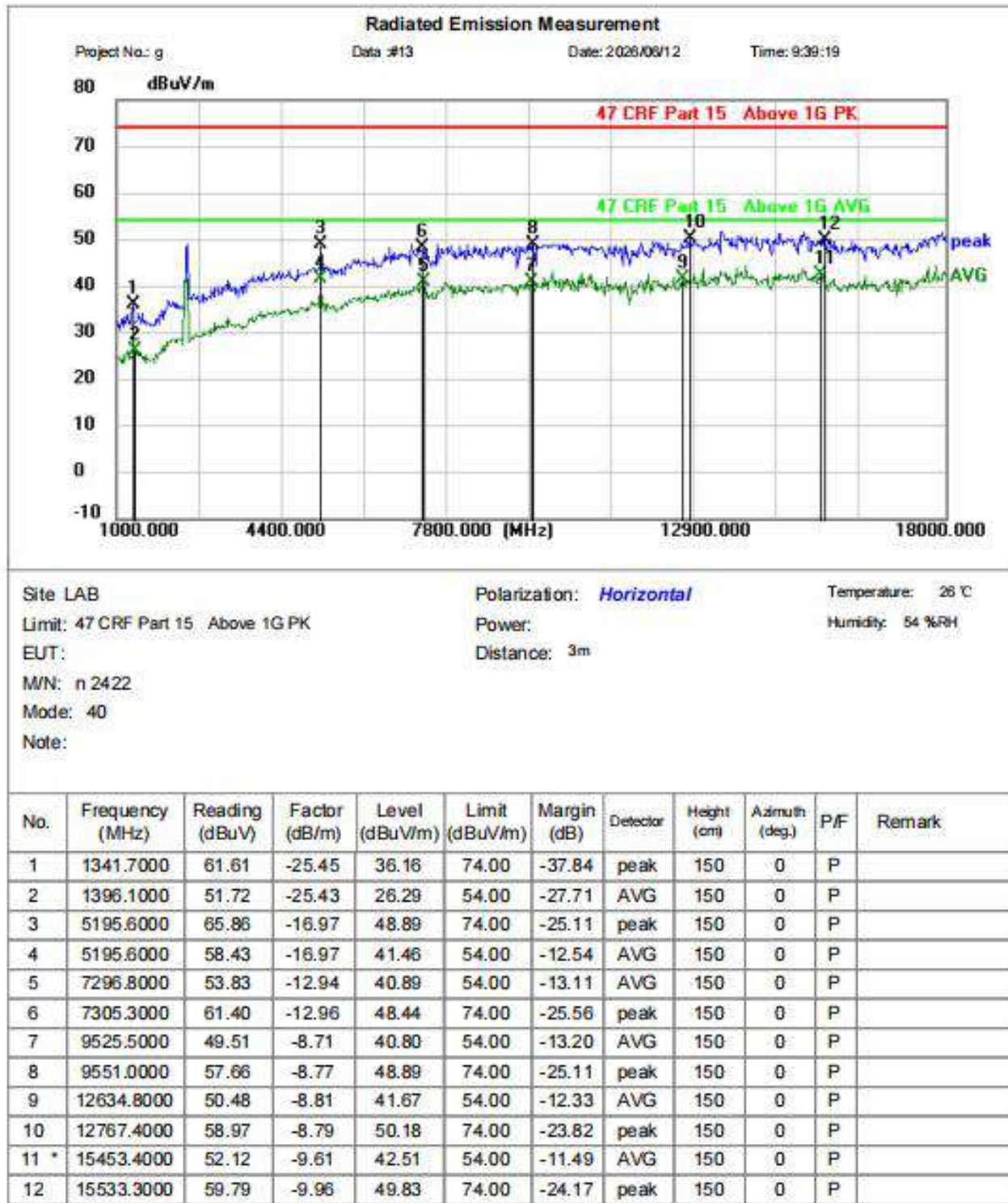


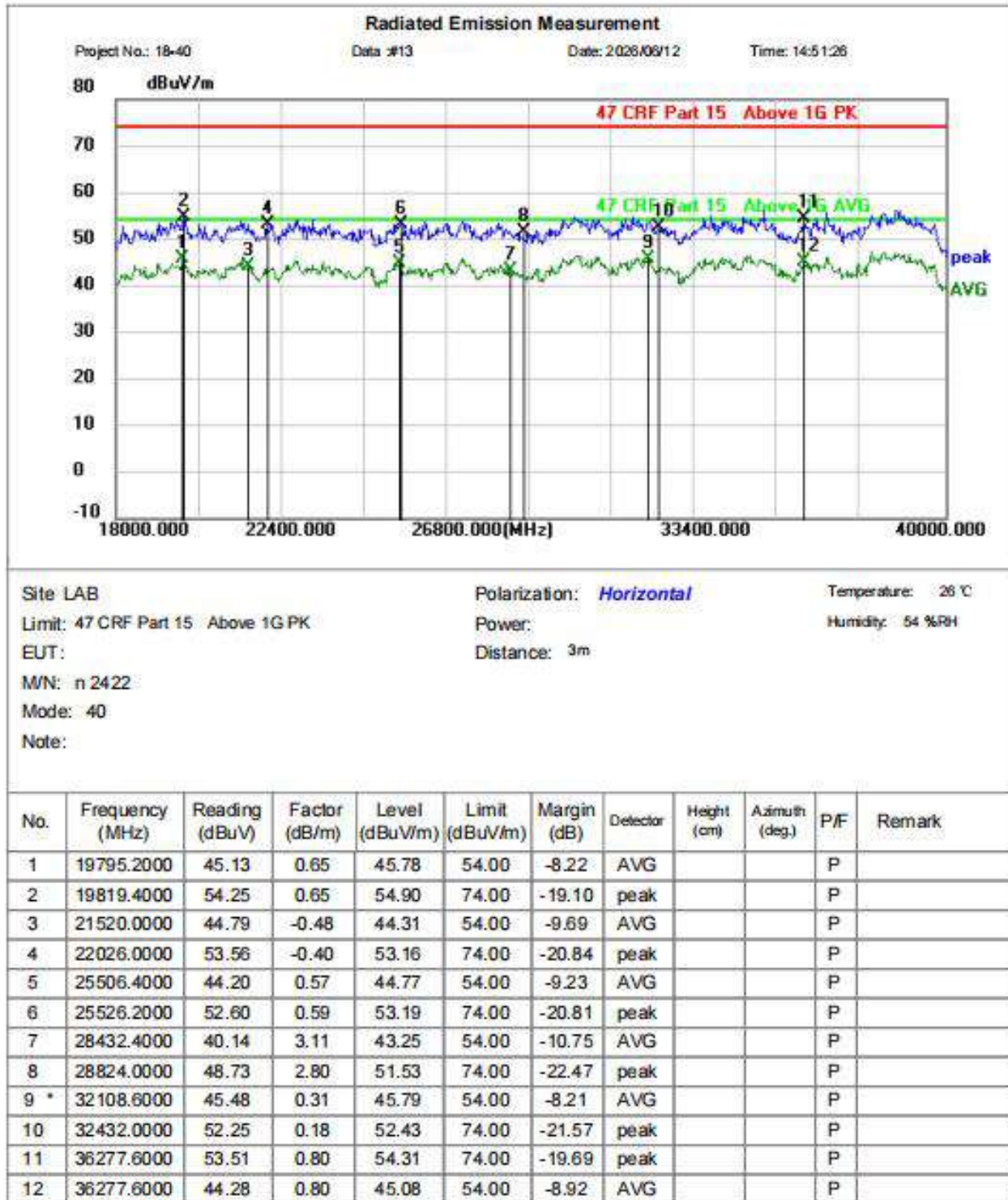
TM3 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 20 / CH: H



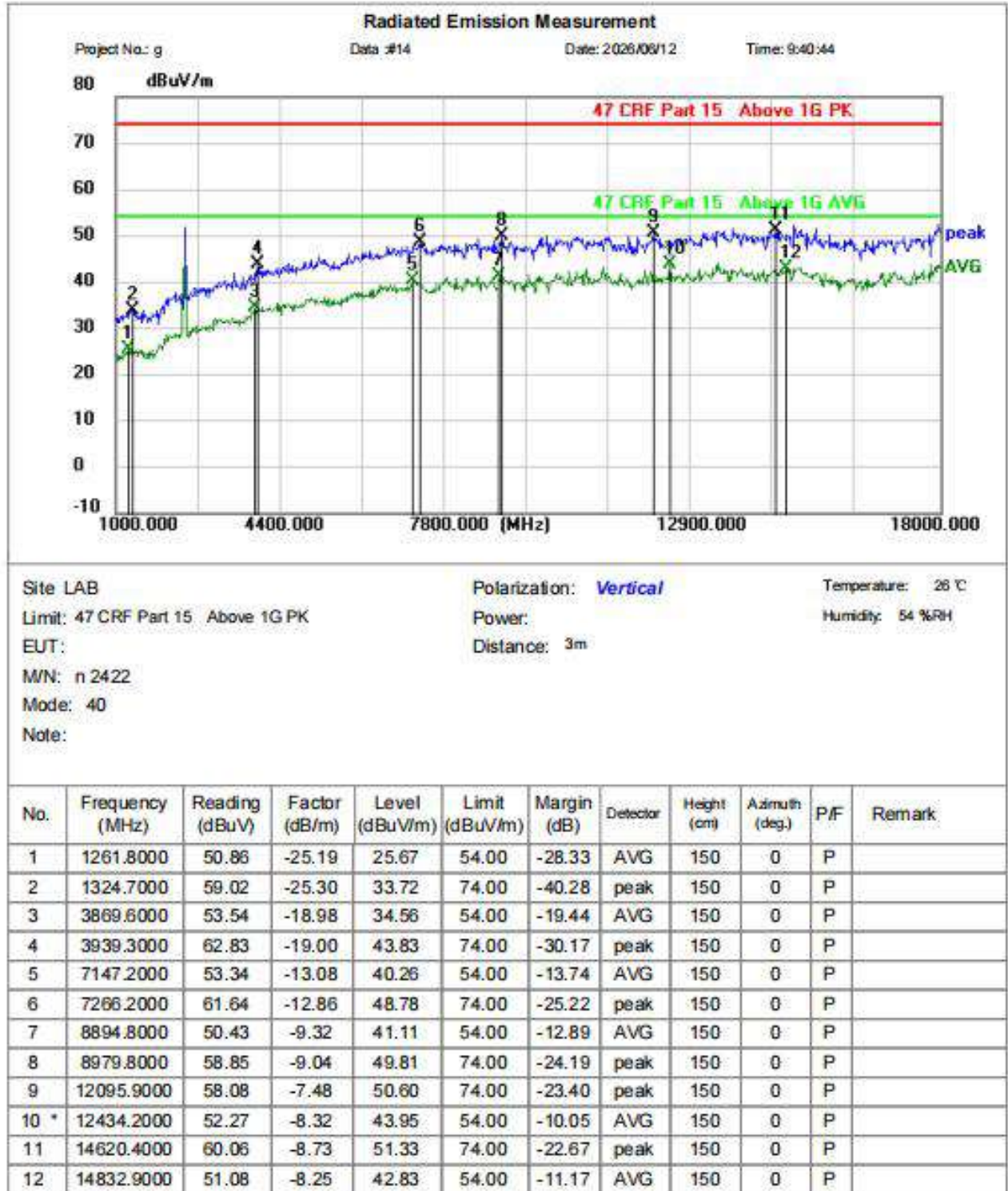


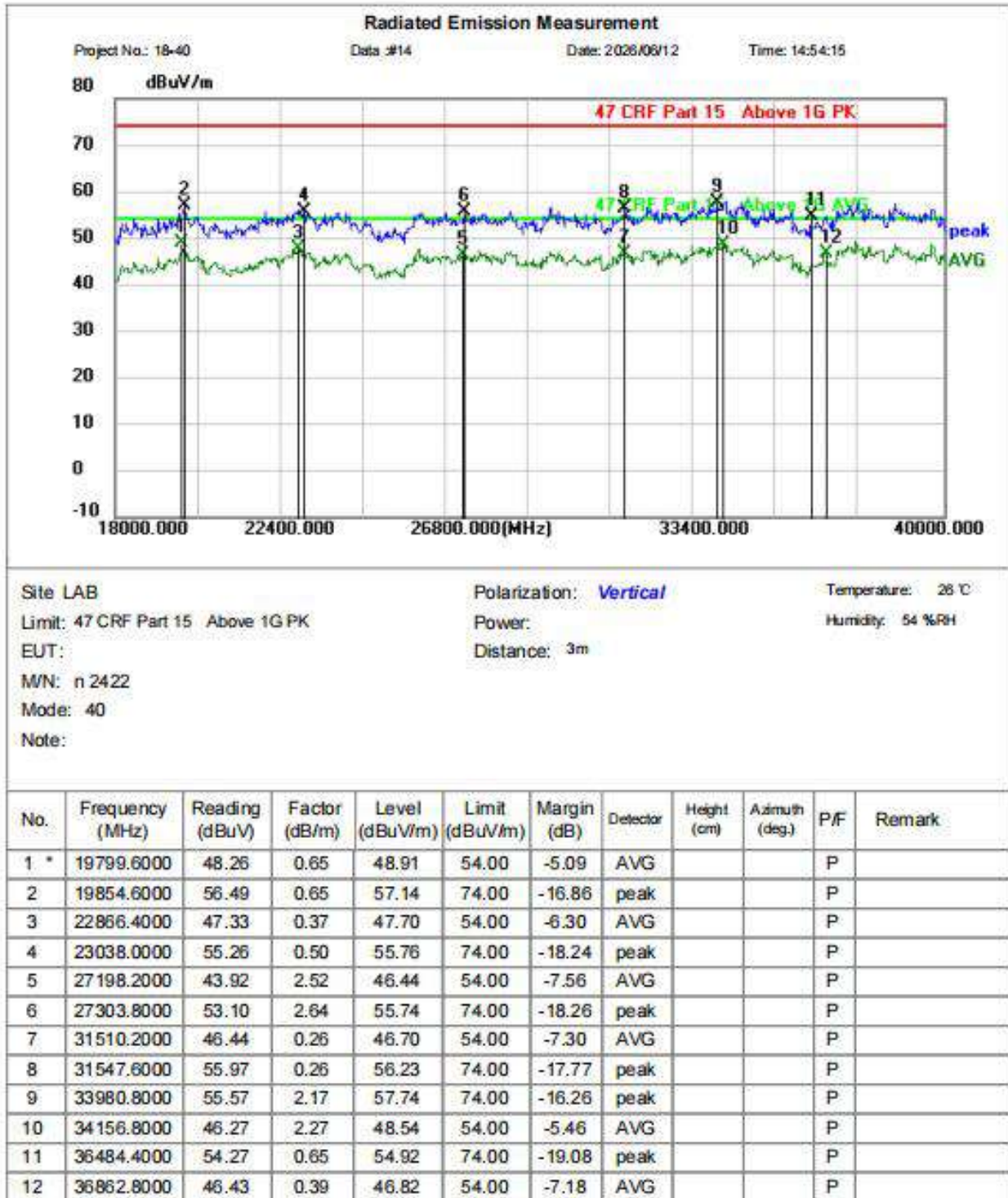
TM4 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 40 / CH: L



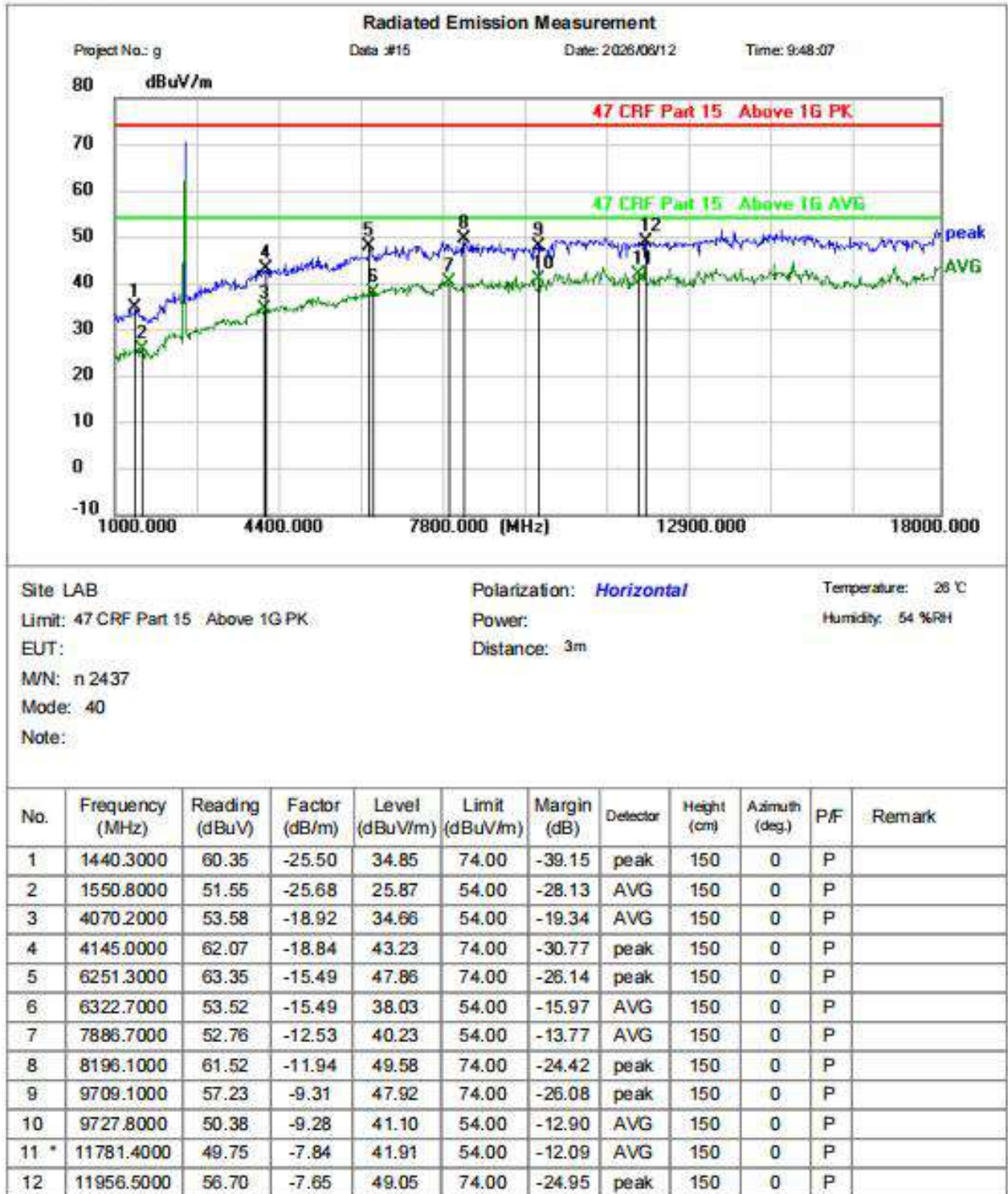


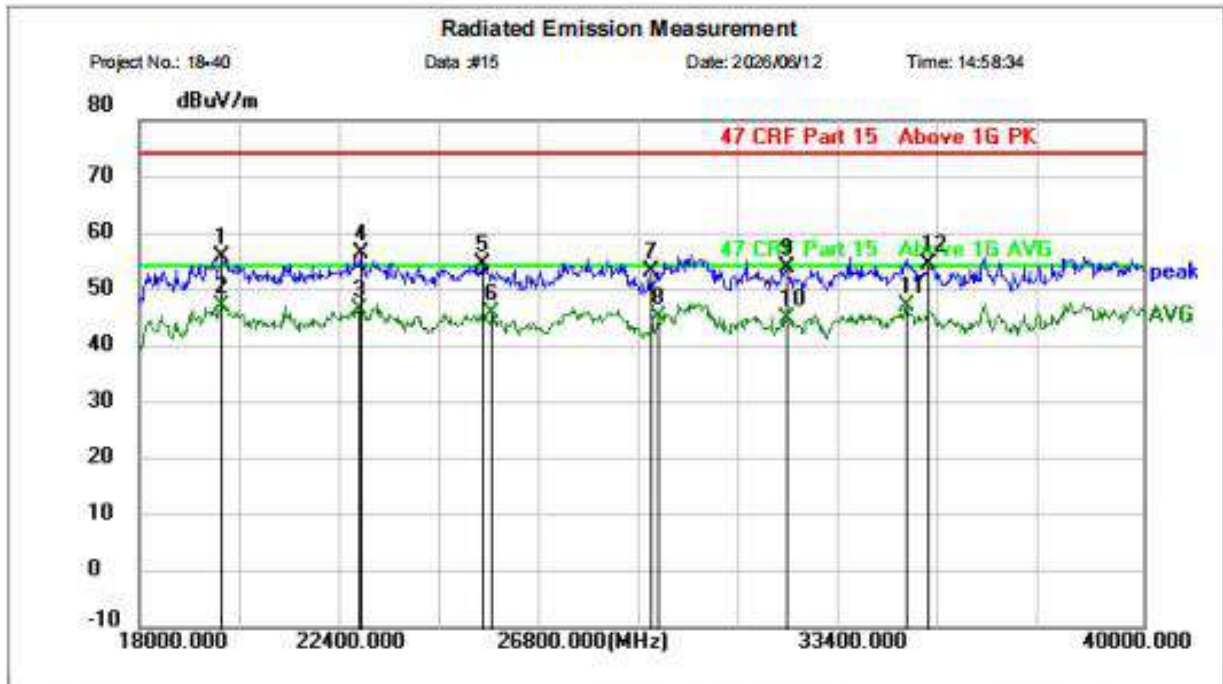
TM4 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 40 / CH: L





TM4 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 40 / CH: M





Site LAB

Polarization: **Horizontal**

Temperature: 26 °C

Limit: 47 CFR Part 15 Above 1G PK

Power:

Humidity: 54 %RH

EUT:

Distance: 3m

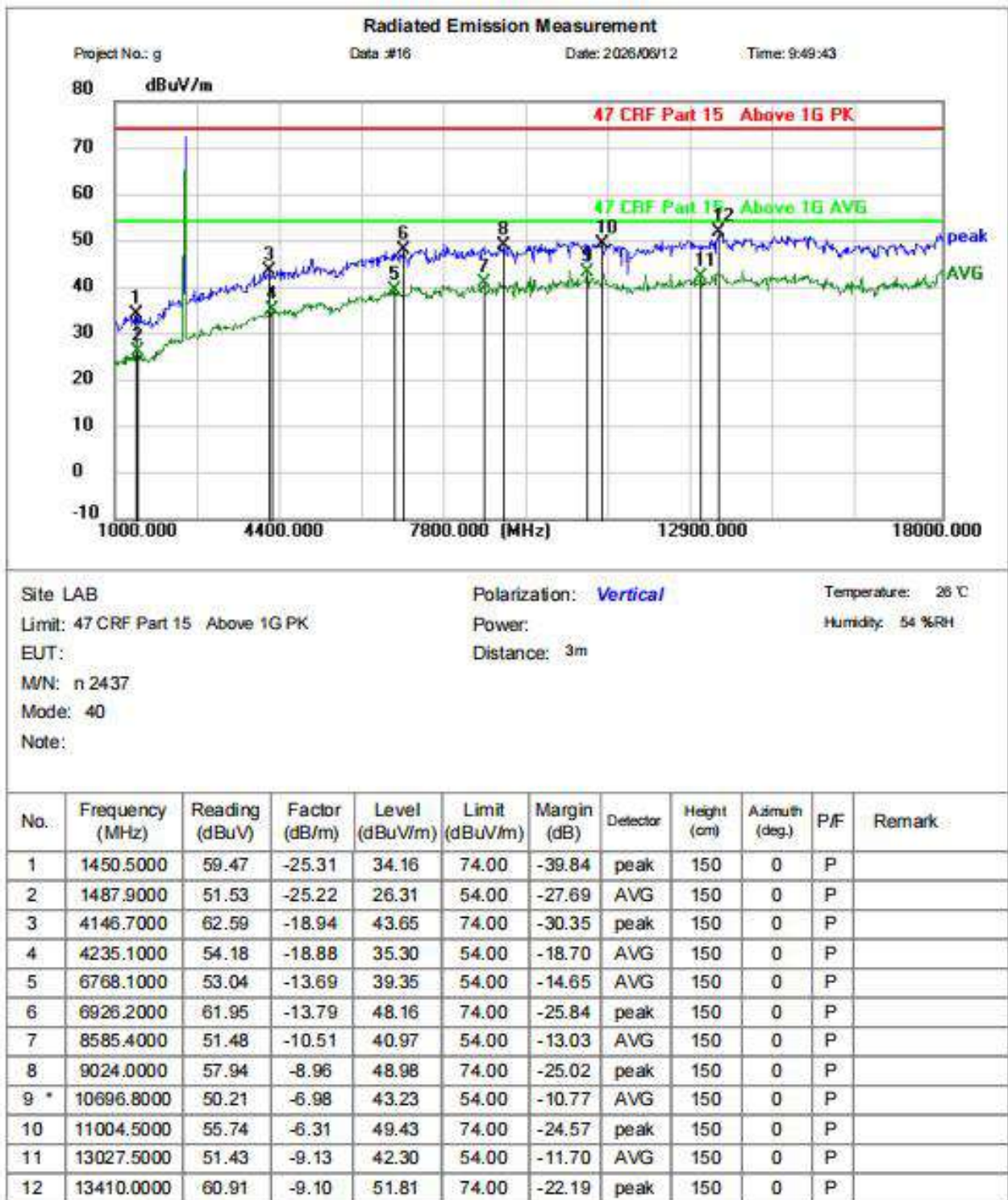
M/N: n 2437

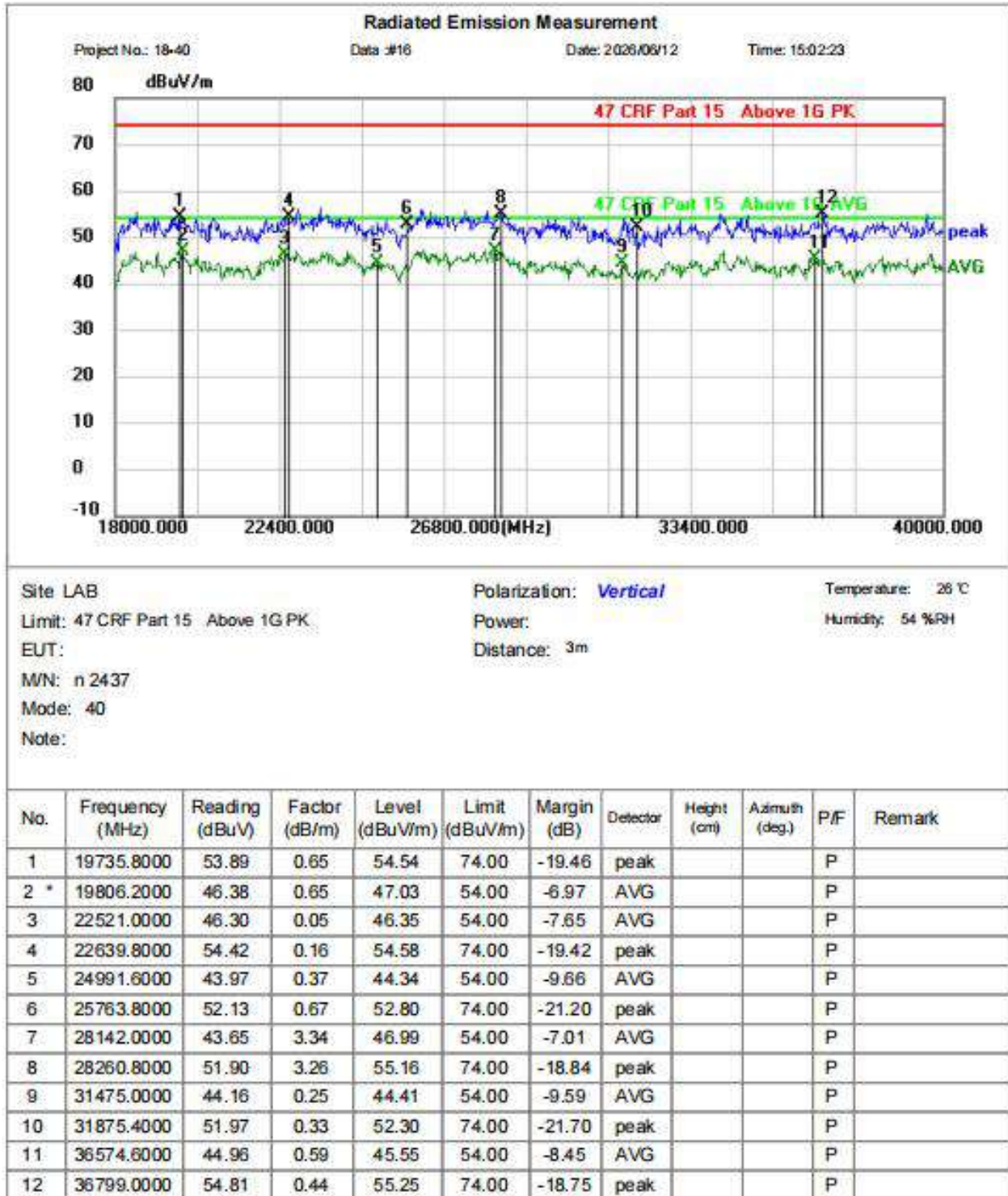
Mode: 40

Note:

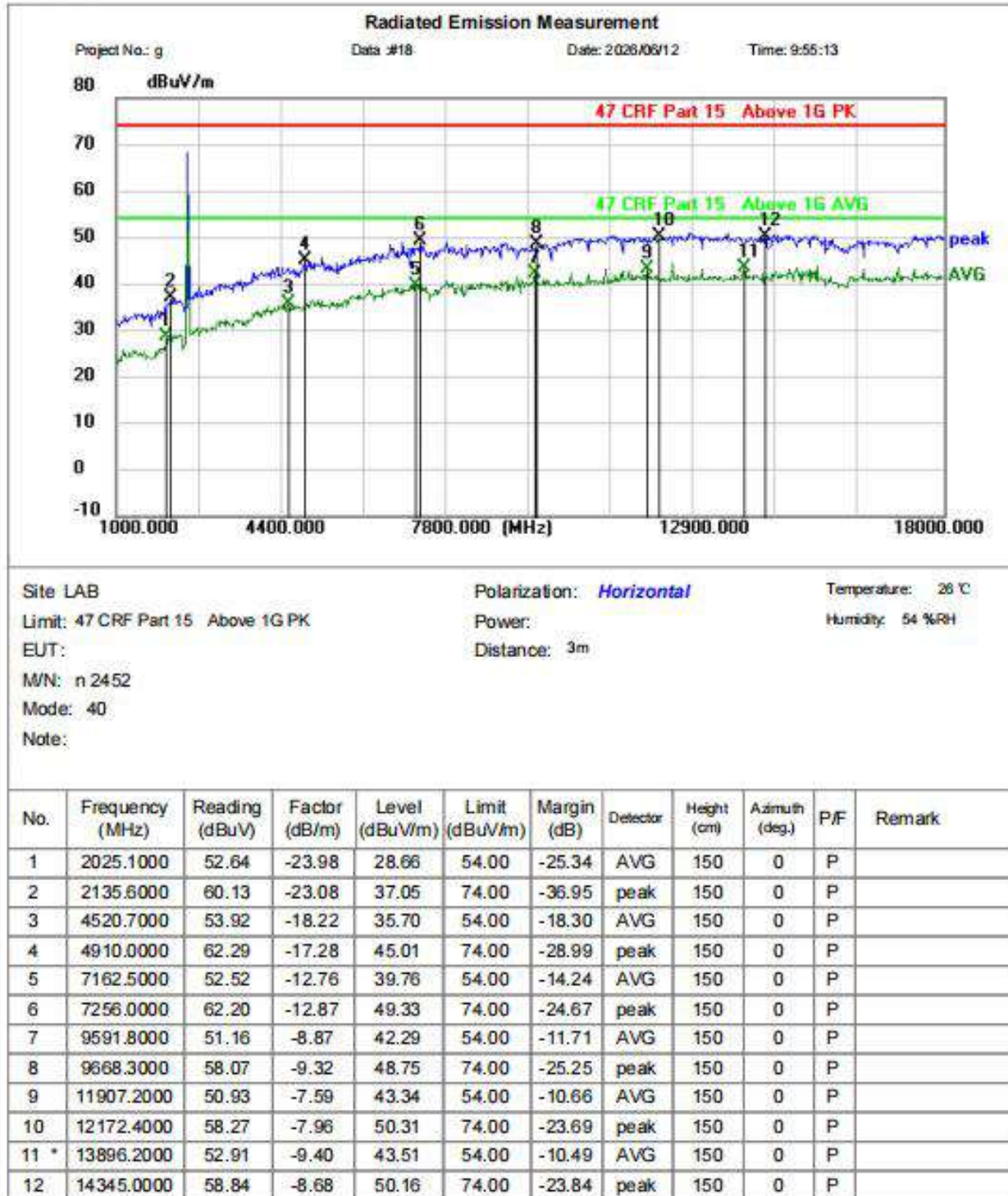
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	19808.4000	55.03	0.64	55.67	74.00	-18.33	peak			P	
2 *	19832.6000	46.54	0.64	47.18	54.00	-6.82	AVG			P	
3	22844.4000	46.07	0.35	46.42	54.00	-7.58	AVG			P	
4	22877.4000	55.86	0.37	56.23	74.00	-17.77	peak			P	
5	25537.2000	53.98	0.59	54.57	74.00	-19.43	peak			P	
6	25737.4000	45.03	0.67	45.70	54.00	-8.30	AVG			P	
7	29239.8000	50.52	2.67	53.19	74.00	-20.81	peak			P	
8	29391.6000	42.30	2.67	44.97	54.00	-9.03	AVG			P	
9	32194.4000	53.69	0.27	53.96	74.00	-20.04	peak			P	
10	32196.6000	44.66	0.27	44.93	54.00	-9.07	AVG			P	
11	34827.8000	44.51	2.48	46.99	54.00	-7.01	AVG			P	
12	35314.0000	52.50	2.05	54.55	74.00	-19.45	peak			P	

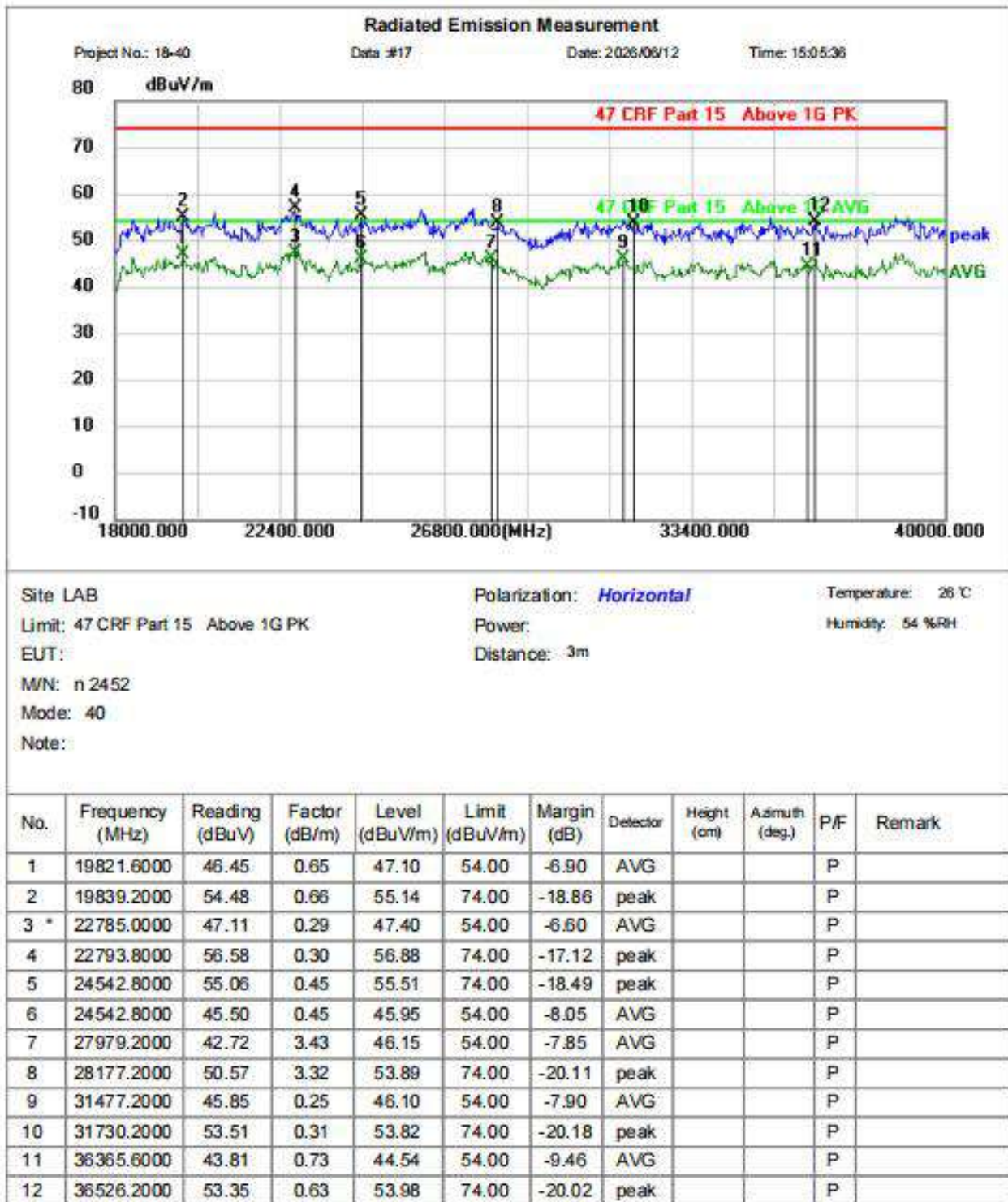
TM4 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 40 / CH: M



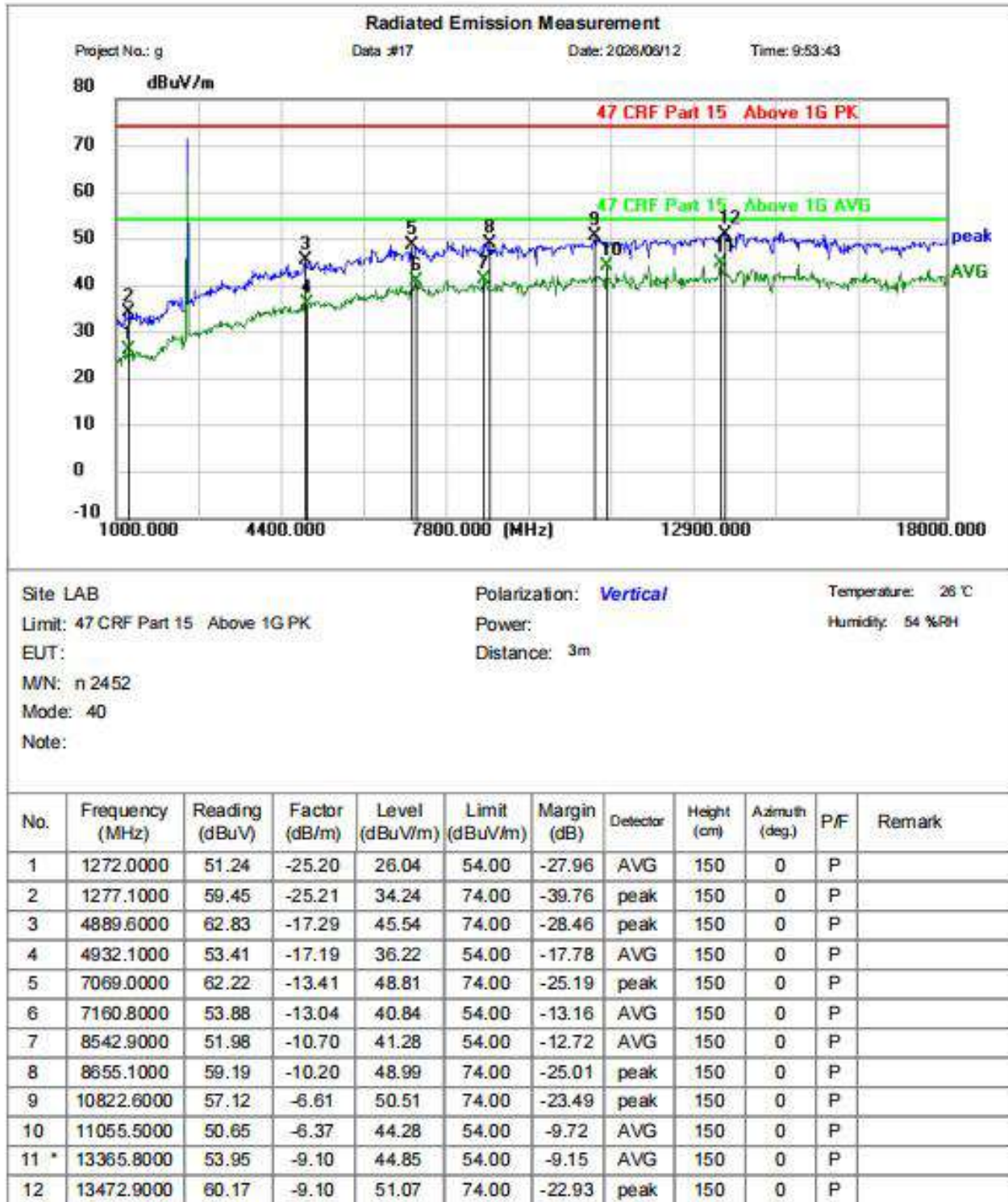


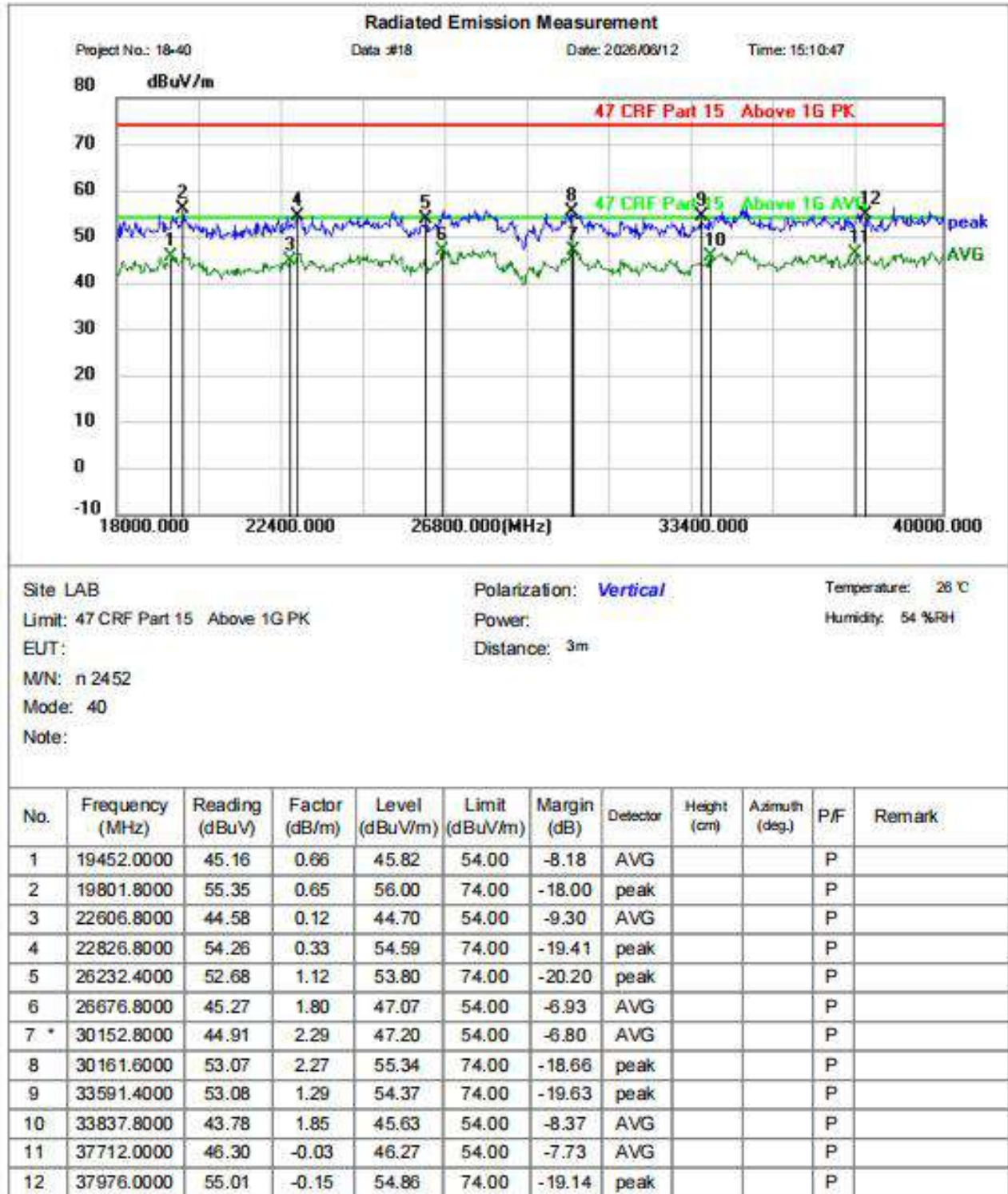
TM4 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 40 / CH: H





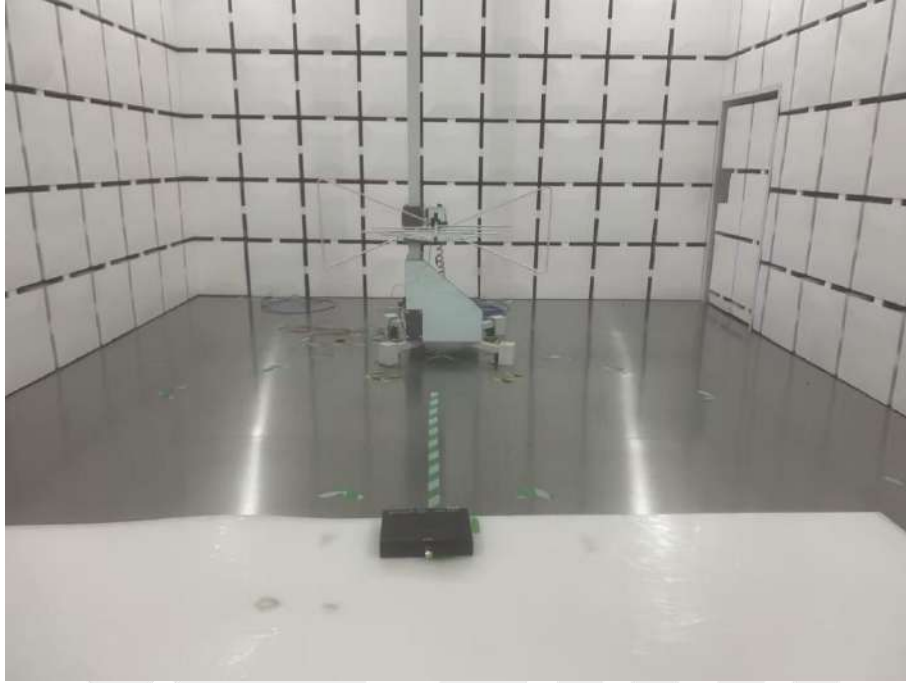
TM4 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 40 / CH: H



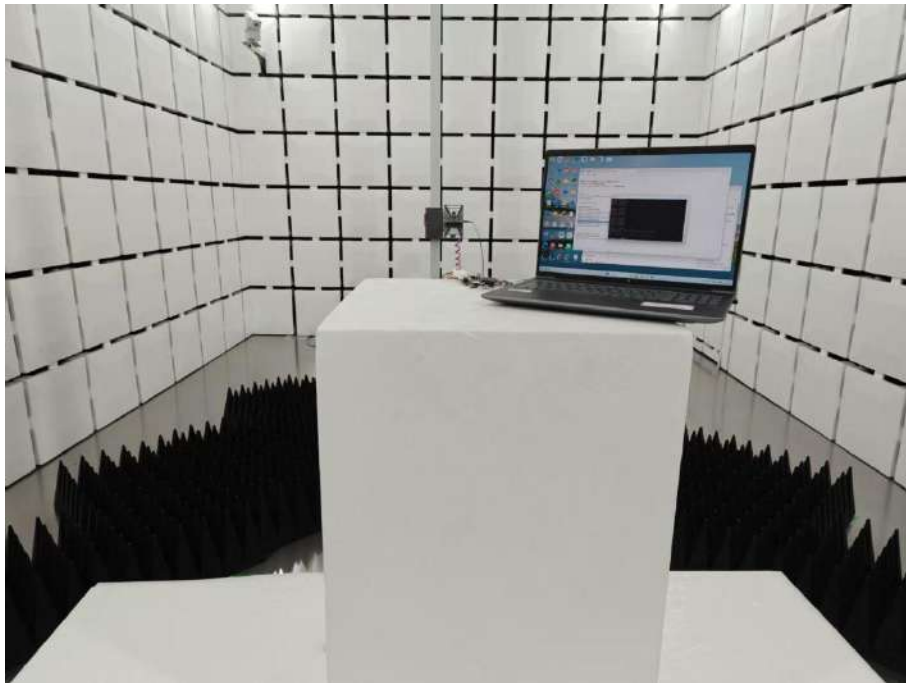


7. TEST SETUP PHOTOS

Emissions in frequency bands (below 1GHz)



Emissions in frequency bands (above 1GHz)



****End of the report****