

Test Report No:
25B0570R-RFUSV09S-A

TEST REPORT

FCC Rules & Regulations

Product Name	Video Doorbell
Brand Name	ring
Model No.	5DFYA6
FCC ID	2AEUPBHARG111
Applicant's Name / Address	Ring LLC 12515 Cerise Ave, Hawthorne, CA 90250, United States
Manufacturer's Name	Ring LLC
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.249
Verdict Summary	IN COMPLIANCE
Documented By Ida Tung	<i>Ida Tung</i>
Approved By Alan Chen	<i>Alan Chen</i>
Date of Receipt	2025/11/20
Date of Issue	2026/03/10
Report Version	V2.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	2026/02/12
V2.0	Add test data.	2026/03/10

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	--	-
4	20dB Bandwidth	PASS	
5	Field Strength of Fundamental	PASS	-
6	Radiated Emission	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1. General Information

1.1. EUT Description

Frequency Range	24000 ~ 24250 MHz
Operation Frequency / Channel Number	24058 ~ 24238 MHz / 3 Channels
Type of Modulation	FMCW

Accessories Information		
No.	Equipment Name	Description
1	USB cable	Shielded, 0.5m

Antenna Information		
Item.	Type	Antenna Gain (dBi)
1	Patch Antenna	2

Note: Due to radiated measurements are made and the antenna gain is already accounted for this device, so provide an antenna datasheet and/or antenna measurement report is not required. The antenna dimensions and pictures (include antenna wire length if have) are stated in EUT photo exhibit

Working Frequency of Each Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	24058	2	24152	3	24238

1.2. EUT Information

EUT Power Type	8-24 VAC, 5VA, 50/60Hz 24 VDC, 420mA
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1.3. Testing Location Information

USA	FCC Designation Number: TW0033
Canada	CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	Accredited by TAF
	Accredited Number: 3023

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address	No. 85, Wenlin St., Linkou Dist., New Taipei City 244017, Taiwan, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual	Test Date	Tested By
AC Power Line Conducted Emission	Temperature (°C)	10~40 °C	25.2 °C	2026/03/05	Neko Chen
	Humidity (%RH)	10~90 %	62.6 %		
Radiated Emission	Temperature (°C)	10~40 °C	24.5 °C	2025/11/20~ 2026/03/05	Nova Chu
	Humidity (%RH)	10~90 %	62.0 %		

1.4. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test item	Uncertainty
AC Power Line Conducted Emission	± 3.50 dB
Field Strength of Fundamental	± 4.19 dB
Radiated Emission	9 kHz~30 MHz: ± 3.30 dB 30 MHz~1 GHz: ± 5.19 dB 1 GHz~18 GHz: ± 4.46 dB 18 GHz~40 GHz: ± 4.19 dB 40GHz~50GHz: ± 4.08 dB 50GHz~75GHz: ± 3.09 dB 75GHz~110GHz: ± 3.04 dB
20dB Bandwidth	± 1580.61 Hz

1.5. List of Test Equipment

For Conduction Measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	EMI Test Receiver	R&S	ESR7	101601	2025/04/28	2026/04/27
V	Two-Line V-Network	R&S	ENV216	101306	2024/04/01	2026/03/31
V	Two-Line V-Network	R&S	ENV216	101307	2025/08/06	2027/08/05
V	Coaxial Cable	SUHNER	RG400_BNC	RF001	2026/01/10	2027/01/09

Note:

1. Two-Line V-Network is calibrated every two years, the other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

For Radiated Measurements / HY-CB02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Loop Antenna	AMETEK	HLA6121	49611	2025/02/18	2026/02/17
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2025/08/14	2027/08/13
V	Horn Antenna	RF SPIN	DRH18-E	210503A18ES	2024/02/29	2026/02/28
V	Horn Antenna	Com-Power	AH-840	101100	2025/10/07	2027/10/06
V	Pre-Amplifier	Queitek	MPA0301	AP-180C	2025/02/06	2026/02/05
V	Pre-Amplifier	SGH	SGH118-HS	20211102-1	2025/01/10	2026/01/09
V	Pre-Amplifier	SGH	PRAMP118	20200203	2025/01/10	2026/01/09
V	Horn Antenna with waveguide adapter	QuinStar	QWH-QPRR00	1409700013	2023/10/19	2026/10/18
V	Preamplifier	EMCI	EMC335045SE	980639	2025/01/10	2026/01/09
V	Horn Antenna	VDI	RCH015RL (50-75GHz)	--	2024/12/17	2027/12/16
V	Horn Antenna	VDI	RCH012RL(60-90GHz)	--	2024/12/17	2027/12/16
V	Horn Antenna	VDI	RCH08RL(90-140GHz)	--	2024/12/17	2027/12/16
V	Down Convertor(SAX156)	VDI	N9029AV15(AT0-55847)	US54250119	2024/12/17	2027/12/16
V	Down Convertor(SAX902)	VDI	N9029AV10(AT0-74929)	US53250010	2024/12/17	2027/12/16
V	Down Convertor(SAX091)	VDI	N9029AV08(AT0-59571)	US53250004	2024/12/17	2027/12/16
V	Coaxial Cable	SGH	EMC102-KM-KM-600	1160311	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	EMC102-KM-KM-7000	170242	2025/01/10	2026/01/09
V	Signal Analyzer	R&S	FSV3044	101113	2025/01/22	2026/01/21
V	Spectrum Analyzer	KEYSIGHT	N9030B	MY56320509	2025/07/16	2026/07/15
V	Coaxial Cable	SGH	HA800	GD20110223-2	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	HA800	GD20110222-4	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	SGH18	202108-5	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	SGH18	202212-2	2025/01/10	2026/01/09

For Radiated Measurements / HY-CB03

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2025/08/14	2027/08/13
V	Pre-Amplifier	SGH	SGH0301-9	20211007-11	2026/01/10	2027/01/09
V	EMI Test Receiver	R&S	ESR3	102793	2025/12/01	2026/11/30
V	Spectrum Analyzer	R&S	FSV3044	101113	2025/12/23	2026/12/22
V	Coaxial Cable	SGH	SGH18	2021005-1	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	SGH18	202108-4	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	HA800	GD20110223-1	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	HA800	GD20110222-8	2026/01/10	2027/01/09

Note:

1. Bi-Log Antenna and Horn Antenna (DRH18-E, AH-840) is calibrated every two years, VDI and Millitech equipment are calibrated every three years, other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	DC 3.6V by Battery AC 24V/50Hz by AC Adapter 120VAC (AD-2410) 24 VDC by Switching Adapter 120VAC (DSA-12PF16-24 240050)

2.2. Test Software

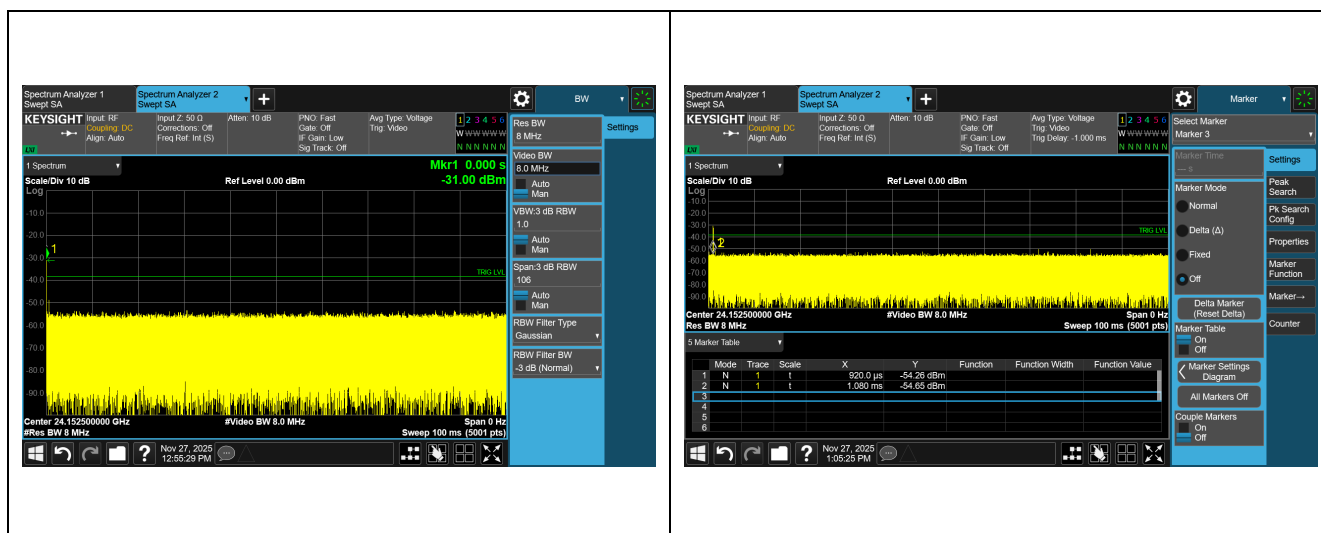
Test Software Version	Tera Term / Version 4.105 (SVN#8433)
-----------------------	--------------------------------------

Modulation	Frequency (MHz)	Power Setting
FMCW	24058	default
	24152	default
	24238	default

2.3. Duty Cycle

Modulation	Time on of 100 ms (ms)	Duty Cycle (Ton/100 ms)	Duty Cycle Correction factor (dB)
FMCW	0.16	0.0016	-55.918

Note: Duty Cycle correction factor = 20 LOG (Duty Cycle).



2.4. Measurement Configuration

Test Mode	Mode 1 (Transmit)	FMCW
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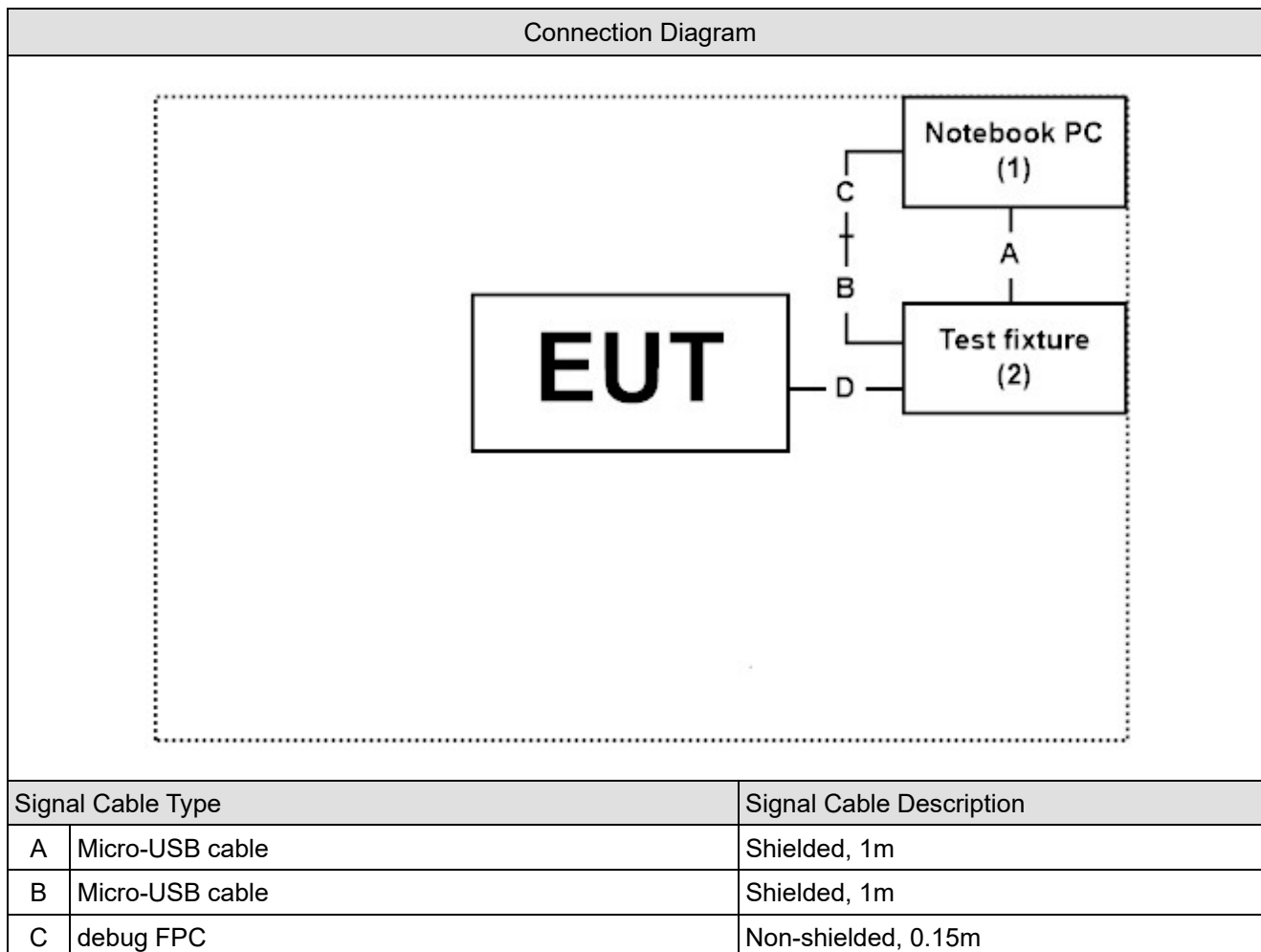
Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. For radiated emission above 1GHz, radiated emission below 1 GHz have performed all modes of operation were investigated and the worst-case emissions are reported.
3. The radiation measurements are performed in the X, Y, and Z axis positions. Only the worst case is shown in the report.

2.5. Tested System Details

No.	Equipment	Brand Name	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude E5440	FS9TK32	N/A
2	debug board	Goertek Smart Technology Vina Co.,Ltd.	309000153825R1	N/A	N/A

2.6. Configuration of tested System

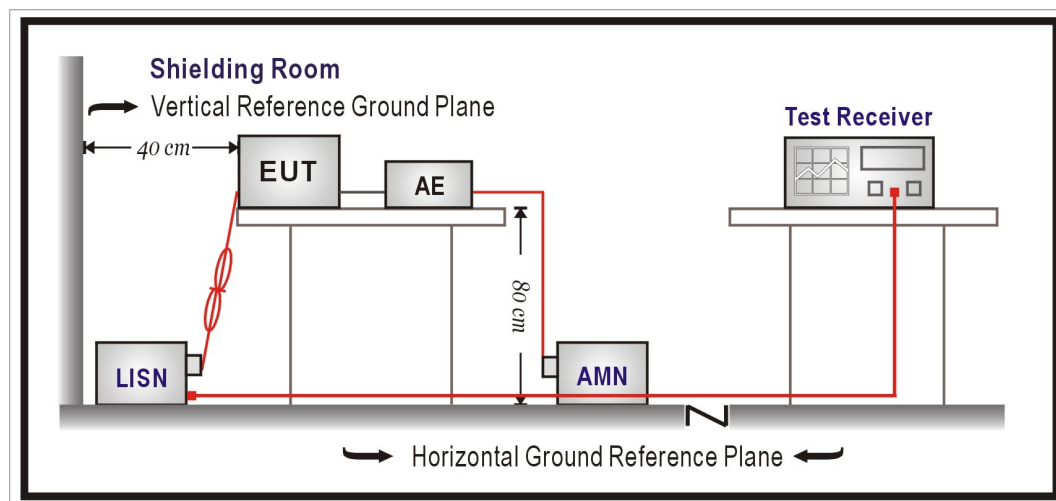


2.7. EUT Operating Procedures

1	Setup the EUT as shown in Section 2.6.
2	Execute software " Tera Term / Version 4.105" on the Notebook PC.
3	Configure the test mode.
4	Verify that the EUT works properly.

3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

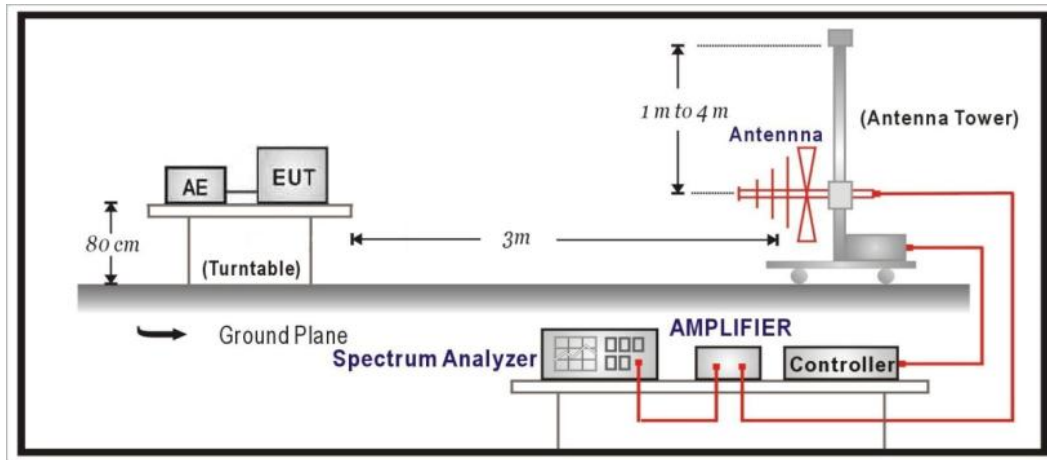
The EUT was setup according to ANSI C63.10-2020 for AC Power Line Conducted Emissions.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. 20dB Bandwidth

4.1. Test Setup



4.2. Test Limit

Intentional radiators operating under the alternative provisions to the general emission limit, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3. Test Procedures

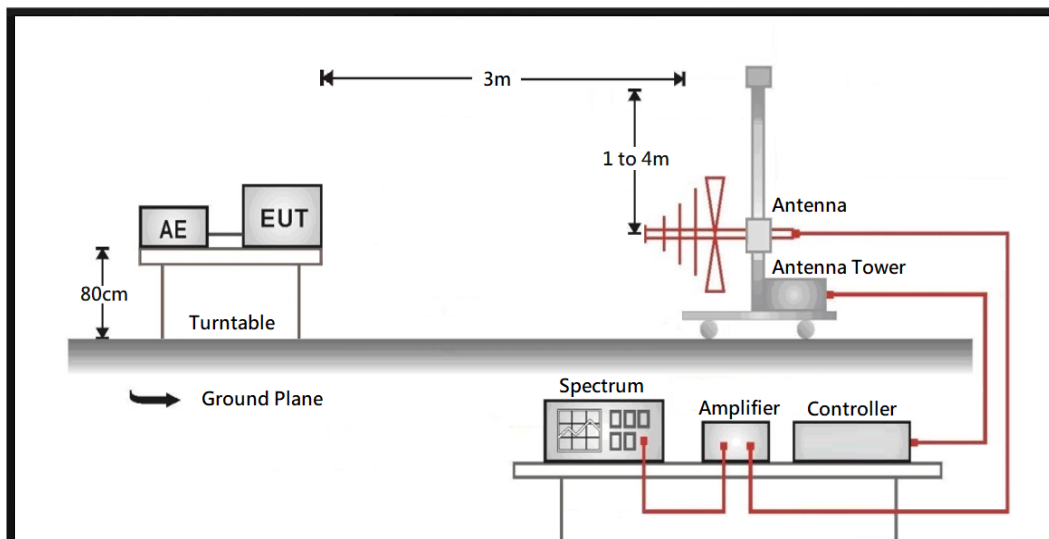
The testing follows the guidelines in ANSI C63.10-2020. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The EUT was placed on a turntable with 0.8m above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 1 MHz RBW and 3 MHz VBW. The 20 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20 dB.

4.4. Test Result of 20dB Bandwidth

Refer as Appendix B

5. Field Strength of Fundamental

5.1. Test Setup



5.2. Test Limit

The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
902 ~ 928	50	500
2400 ~ 2483.5	50	500
5725 ~ 5875	50	500
24000 ~ 24250	250	2500

Field Strength of Fundamental:

The antenna distance is 1m, average limit is $107.95 \text{ dBuV/m} (250 \text{ mV/m}) + 9.54\text{dB} = 117.49 \text{ dBuV/m}$, peak limit is $127.95 \text{ dBuV/m} + 9.54\text{dB} = 137.49 \text{ dBuV/m}$.

The fundamental emission measurement was performed with FMCW desensitization considered according to ANSI C63.10-2020.

Note :

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB μ V/m) = $20 \log$ Emission level (μ V/m).
3. Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limit in §15.209, whichever is the lesser attenuation.
4. For frequencies above 1000 MHz, the field strength limit are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limit, specified above by more than 20 dB under any condition of modulation.

5.3. Test Procedures

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10-2020 on radiated measurement.

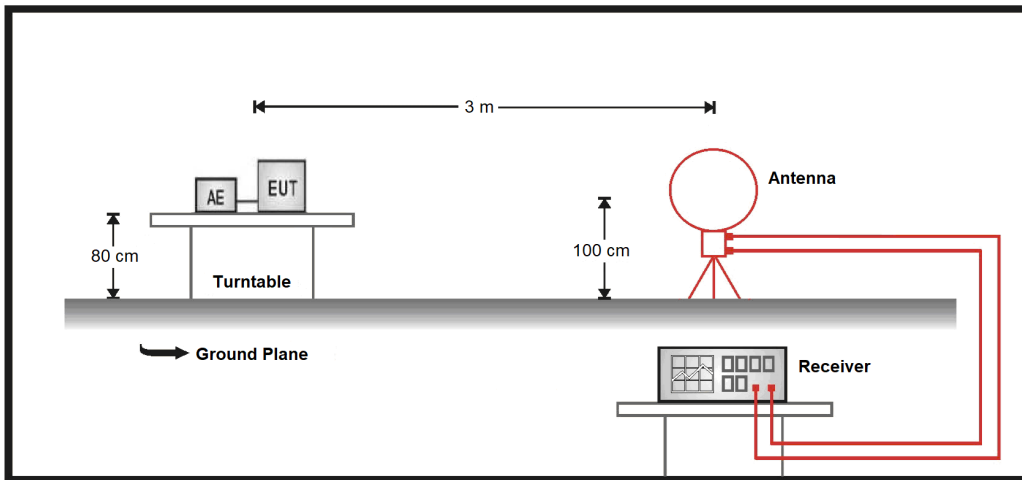
5.4. Test Result of Field Strength of Fundamental

Refer as Appendix C

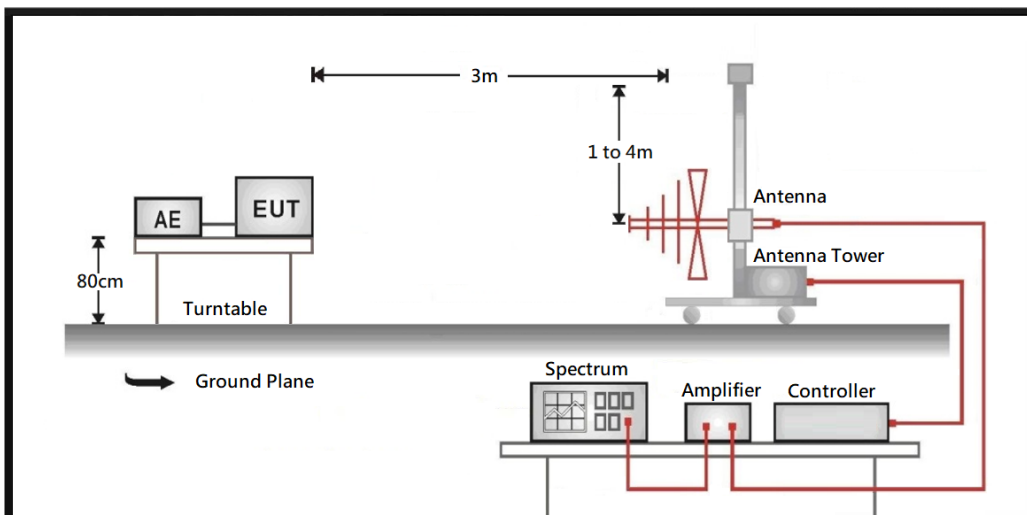
6. Radiated Emission

6.1. Test Setup

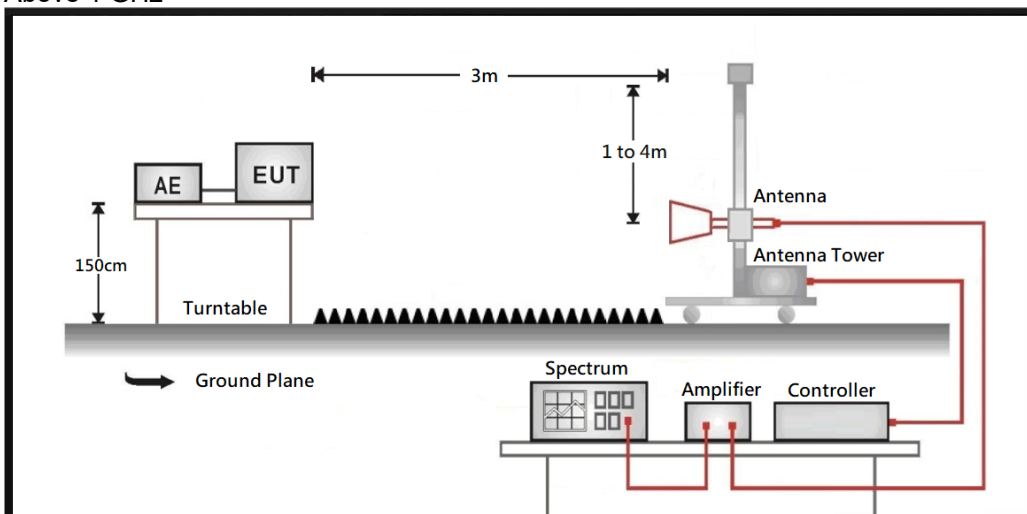
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



6.2. Test Limit

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 – 0.490	$2400/F(\text{kHz})$	$20 \log (2400/F(\text{kHz}))$	300
0.490 – 1.705	$24000/F(\text{kHz})$	$20 \log (24000/F(\text{kHz}))$	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength ($\text{dB}\mu\text{V/m}$) = $20 \log$ Field strength ($\mu\text{V/m}$)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

6.3. Test Procedure

The EUT was setup according to ANSI C63.10-2020 for compliance to FCC 47CFR 15.249 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10-2020 on radiated measurement.

On any frequency or frequencies from 9kHz(include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

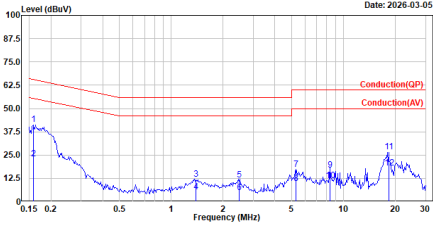
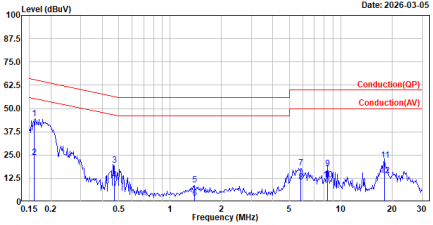
The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1MHz.

6.4. Test Result of Radiated Emissions

Refer as Appendix D

Appendix A. Test Result of AC Power Line Conducted Emission

AC Adapter (AD-2410)

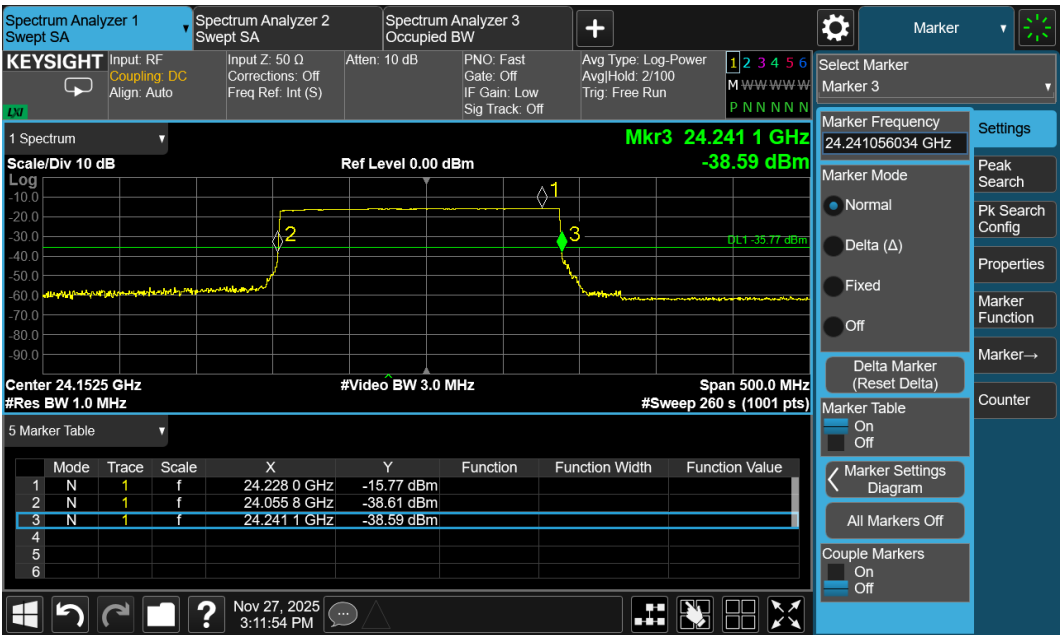
Charge mode _ Line								Charge mode _ Neutral							
Site :HY-SR01 Condition :Line Mode :Charge mode test by :Neko 								Site :HY-SR01 Condition :Neutral Mode :Charge mode test by :Neko 							
No.	Frequency	Level	Limit	Over	Read	Factor	Remark	No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB			MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.158	41.52	65.56	-24.04	31.95	9.57	QP	1	0.161	44.65	65.43	-20.78	35.09	9.56	QP
2	0.158	23.03	55.56	-32.53	13.46	9.57	Average	2	0.161	23.03	55.43	-31.68	14.27	9.56	Average
3	1.396	11.91	56.00	-44.09	2.25	9.66	QP	3	0.470	19.76	56.51	-36.75	10.17	9.59	QP
4	1.396	5.30	46.00	-40.70	-4.36	9.66	Average	4	0.470	11.75	46.51	-34.76	2.16	9.59	Average
5	2.478	11.53	56.00	-44.47	1.75	9.78	QP	5	1.397	8.87	56.00	-47.13	-0.79	9.66	QP
6	2.478	5.05	46.00	-40.95	-4.73	9.78	Average	6	1.397	1.80	46.00	-44.20	-7.86	9.66	Average
7	5.282	17.33	60.00	-42.67	7.26	10.07	QP	7	5.837	18.11	60.00	-41.89	8.00	10.11	QP
8	5.282	9.88	50.00	-40.12	-0.19	10.07	Average	8	5.837	10.65	50.00	-39.35	0.54	10.11	Average
9	8.353	16.98	60.00	-43.02	6.83	10.15	QP	9	8.355	17.61	60.00	-42.39	7.42	10.19	QP
10	8.353	11.20	50.00	-38.80	1.05	10.15	Average	10	8.355	11.64	50.00	-38.36	1.45	10.19	Average
11	18.285	26.89	60.00	-33.11	17.08	9.81	QP	11	18.049	22.20	60.00	-37.80	12.23	9.97	QP
12	18.285	17.96	50.00	-32.04	8.15	9.81	Average	12	18.049	14.03	50.00	-35.97	4.06	9.97	Average

Note:
 1. Level = Read Level + Factor
 2. Factor = LISN insertion loss + Cable loss
 3. Over Limit = Level - Limit Line

Note:
 1. Level = Read Level + Factor
 2. Factor = LISN insertion loss + Cable loss
 3. Over Limit = Level - Limit Line

Appendix B. Test Result of 20dB Bandwidth

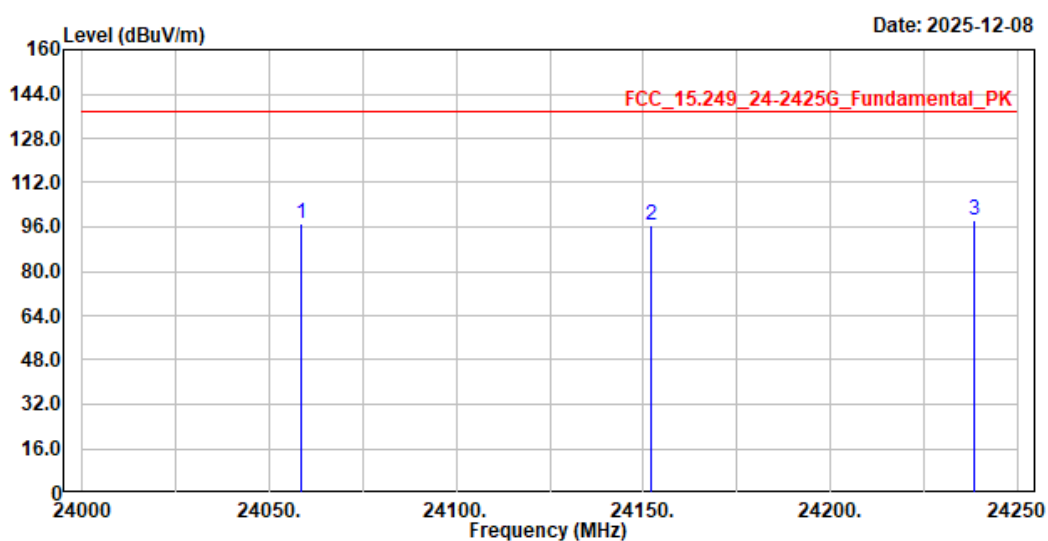
Modulation	Frequency (GHz)	Measure Level (MHz)	Limit (MHz)	Result
FMCW	24.150	185.3	-	Pass



Appendix C. Test Result of Field Strength of Fundamental

The measurements shall be made with the frequency sweep stopped at those frequencies chosen for the measurements to be reported.

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_X_24.152GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	24058.560	97.30	137.49	-40.19	88.45	8.85	Peak
2	24152.000	96.88	137.49	-40.61	88.01	8.87	Peak
3	24238.560	98.60	137.49	-38.89	89.44	9.16	Peak

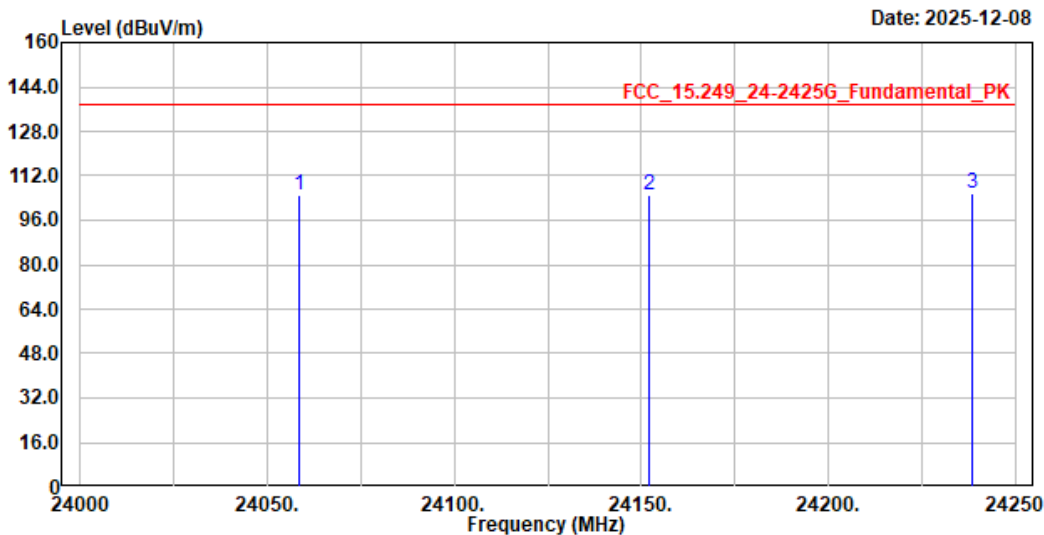
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24058.56	97.30	-55.918	41.382	-76.108	117.490
24152.00	96.88	-55.918	40.962	-76.528	117.490
24238.56	98.60	-55.918	42.682	-74.808	117.490

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_X_24.152GHz
Test by :Nova



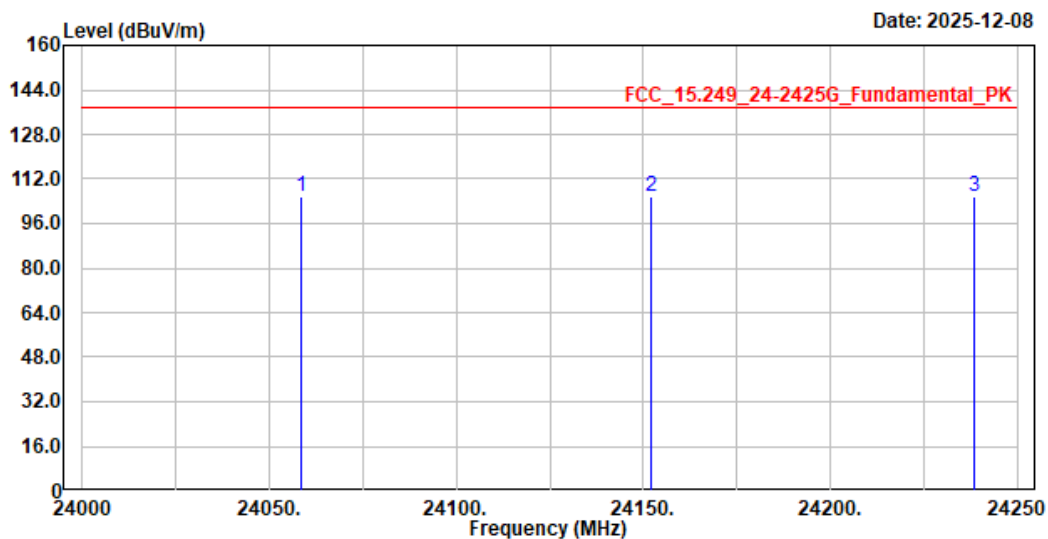
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	24058.560	104.95	137.49	-32.54	96.10	8.85	Peak
2	24152.000	105.31	137.49	-32.18	96.44	8.87	Peak
3	24238.560	105.41	137.49	-32.08	96.25	9.16	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24058.56	104.95	-55.918	49.032	-68.458	117.490
24152.00	105.31	-55.918	49.392	-68.098	117.490
24238.56	105.41	-55.918	49.492	-67.998	117.490

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_Y_24.152GHz
 Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	24058.560	105.56	137.49	-31.93	96.71	8.85	Peak
2	24152.000	105.61	137.49	-31.88	96.74	8.87	Peak
3	24238.560	105.95	137.49	-31.54	96.79	9.16	Peak

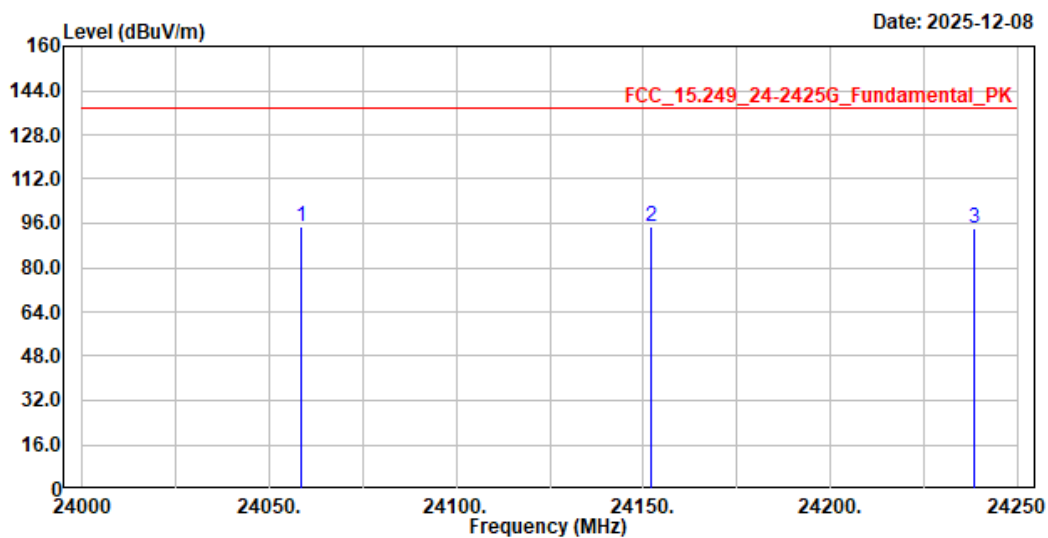
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24058.56	105.56	-55.918	49.642	-67.848	117.490
24152.00	105.61	-55.918	49.692	-67.798	117.490
24238.56	105.95	-55.918	50.032	-67.458	117.490

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_Y_24.152GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	24058.560	94.93	137.49	-42.56	86.08	8.85	Peak
2	24152.000	95.06	137.49	-42.43	86.19	8.87	Peak
3	24238.560	94.34	137.49	-43.15	85.18	9.16	Peak

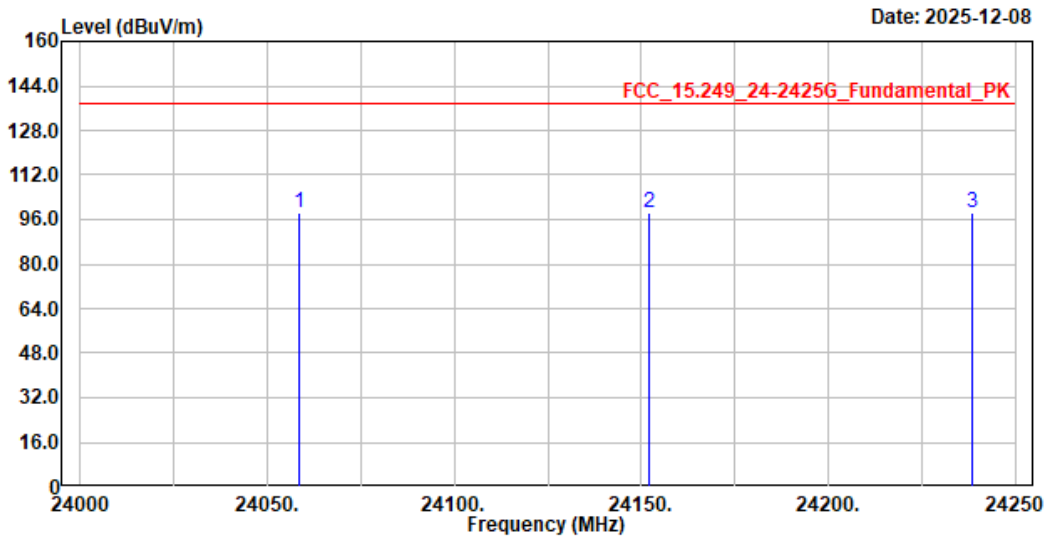
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24058.56	94.93	-55.918	39.012	-78.478	117.490
24152.00	95.06	-55.918	39.142	-78.348	117.490
24238.56	94.34	-55.918	38.422	-79.068	117.490

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_Z_24.152GHz
Test by :Nova



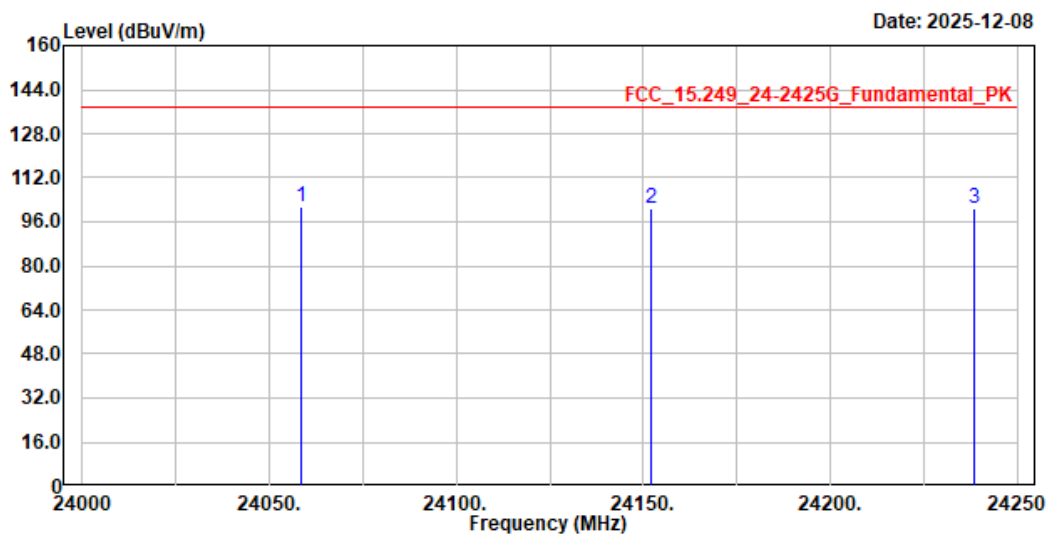
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	24058.560	98.53	137.49	-38.96	89.37	9.16	Peak
2	24152.000	98.51	137.49	-38.98	89.64	8.87	Peak
3	24238.560	98.41	137.49	-39.08	89.25	9.16	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24058.56	98.53	-55.918	42.612	-74.878	117.490
24152.00	98.51	-55.918	42.592	-74.898	117.490
24238.56	98.41	-55.918	42.492	--	117.490

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_Z_24.152GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	24058.560	101.57	137.49	-35.92	92.72	8.85	Peak
2	24152.000	100.67	137.49	-36.82	91.80	8.87	Peak
3	24238.560	101.06	137.49	-36.43	91.90	9.16	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

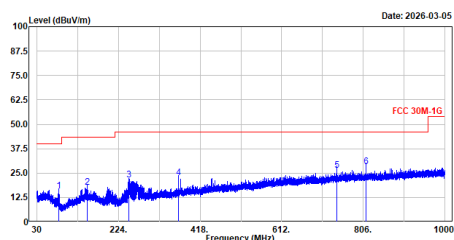
Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24058.56	101.57	-55.918	45.652	-71.838	117.490
24152.00	100.67	-55.918	44.752	-72.738	117.490
24238.56	101.06	-55.918	45.142	-72.348	117.490

Appendix D. Test Result of Radiated Emissions

30 MHz ~ 1 GHz_ Switching Adapter (DSA-12PF16-24 240050)

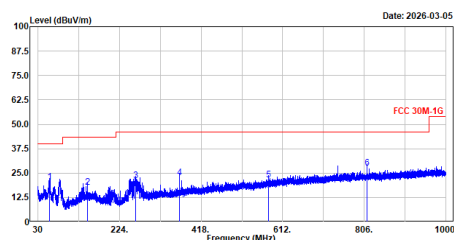
Site :HY-CB03
Condition :3m ,Horizontal
Mode :Change
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	81.507	15.81	40.00	-24.19	45.42	-29.61	QP
2	148.874	17.81	43.50	-25.69	41.94	-24.13	QP
3	247.765	21.45	46.00	-24.55	46.50	-25.05	QP
4	366.590	22.66	46.00	-23.34	44.26	-21.60	QP
5	742.562	26.56	46.00	-19.44	39.83	-13.27	QP
6	812.548	28.21	46.00	-17.79	40.89	-12.68	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB03
Condition :3m ,Vertical
Mode :Change
Test BY :Ashton

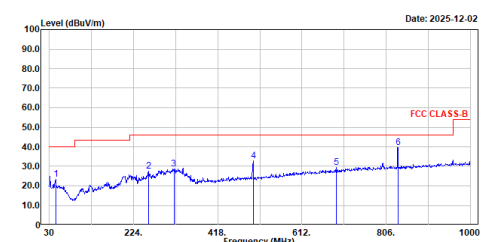


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	58.130	20.44	40.00	-19.56	44.63	-24.19	QP
2	148.534	17.89	43.50	-25.61	42.02	-24.13	QP
3	262.897	21.25	46.00	-24.75	45.88	-24.63	QP
4	366.639	22.78	46.00	-23.22	44.37	-21.59	QP
5	578.293	21.63	46.00	-24.37	38.06	-16.43	QP
6	812.596	27.63	46.00	-18.37	40.31	-12.68	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

30 MHz ~ 1 GHz

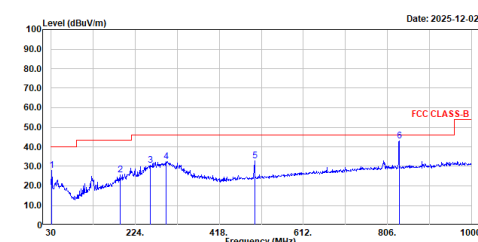
Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX_24.15GHz
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	44.550	23.50	40.00	-16.50	33.49	-9.99	QP
2	258.920	27.73	46.00	-18.27	39.44	-11.71	QP
3	317.120	28.81	46.00	-17.19	38.49	-9.68	QP
4	499.480	32.73	46.00	-13.27	38.33	-5.60	QP
5	690.570	29.33	46.00	-16.67	31.42	-2.09	QP
6	833.160	39.48	46.00	-6.52	39.86	-0.38	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX_24.15GHz
Test by :Nova

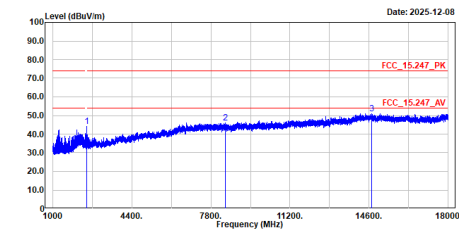


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	31.940	27.88	40.00	-12.12	39.12	-11.24	QP
2	189.080	25.54	43.50	-17.96	39.01	-13.47	QP
3	258.920	30.66	46.00	-15.34	42.37	-11.71	QP
4	295.780	32.62	46.00	-13.38	43.00	-10.38	QP
5	499.480	32.84	46.00	-13.16	38.44	-5.60	QP
6	833.160	43.16	46.00	-2.84	43.54	-0.38	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

1 GHz ~ 18 GHz

Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX_24.05856GHz
Test by :Nova

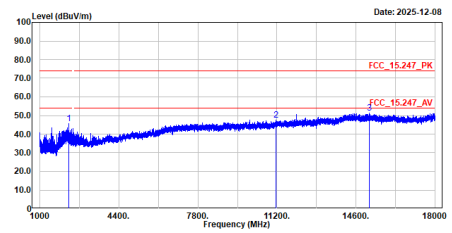


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2446.457	44.12	74.00	-29.88	65.04	-20.92	Peak
2	8434.401	46.22	74.00	-27.78	52.53	-6.31	Peak
3	14710.410	50.91	74.00	-23.09	49.68	1.23	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX_24.05856GHz
Test by :Nova

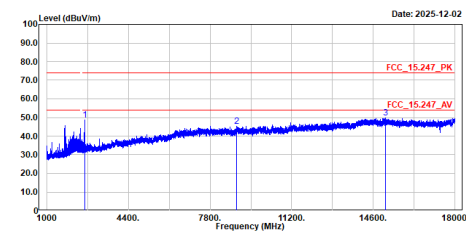


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2250.007	45.67	74.00	-28.33	66.39	-20.72	Peak
2	11149.280	47.57	74.00	-26.43	51.23	-3.66	Peak
3	15172.730	51.18	74.00	-22.82	49.98	1.20	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX_24.15GHz
Test by :Nova

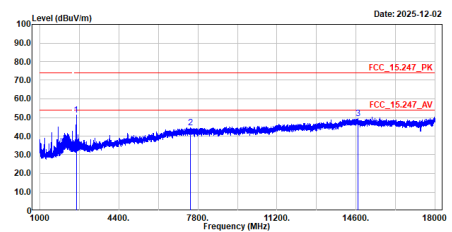


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2567.349	48.59	74.00	-25.41	69.19	-20.60	Peak
2	8919.387	45.35	74.00	-28.65	51.69	-6.34	Peak
3	15105.200	49.94	74.00	-24.06	48.61	1.33	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX_24.15GHz
Test by :Nova

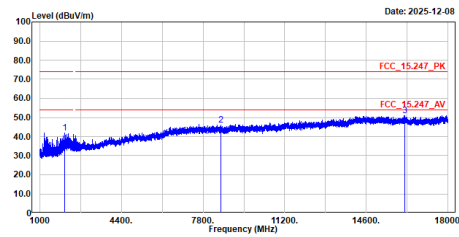


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2562.627	51.33	74.00	-22.67	71.97	-20.64	Peak
2	7471.985	44.63	74.00	-29.37	49.35	-4.72	Peak
3	14695.300	49.54	74.00	-24.46	48.26	1.28	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

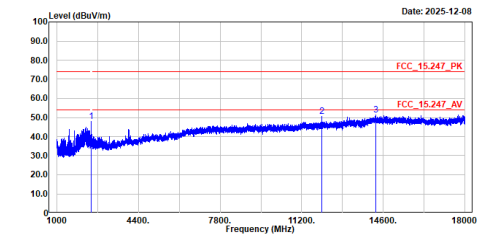
Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX_24.23856GHz
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2040.334	41.84	74.00	-32.16	63.34	-21.50	Peak
2	8529.320	46.02	74.00	-27.98	52.31	-6.29	Peak
3	16213.530	50.79	74.00	-23.21	48.77	2.02	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX_24.23856GHz
Test by :Nova

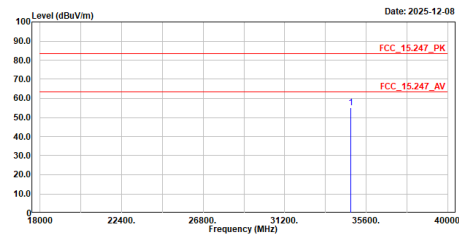


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2435.595	47.84	74.00	-26.16	68.73	-20.89	Peak
2	12029.530	50.43	74.00	-23.57	52.23	-1.80	Peak
3	14291.060	51.24	74.00	-22.76	50.31	0.93	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

18 GHz ~ 40 GHz

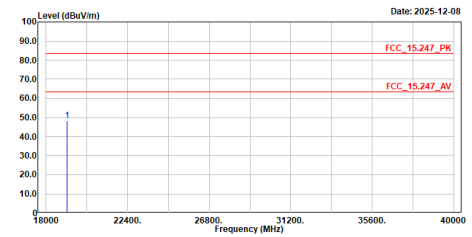
Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.05856GHz
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	34776.800	55.19	83.54	-28.35	42.78	12.41	

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

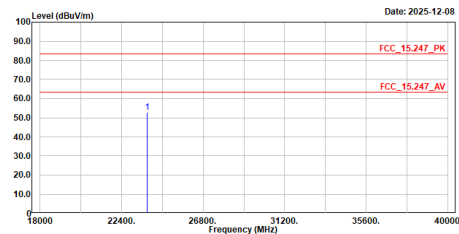
Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.05856GHz
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	19120.200	48.35	83.54	-35.19	41.71	6.64	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

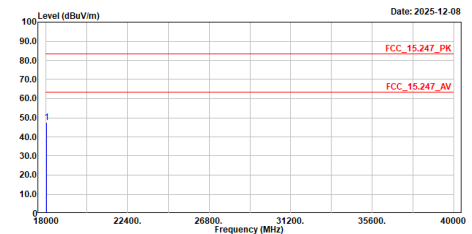
Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.15GHz
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	23773.200	52.91	83.54	-30.63	46.89	6.02	Peak

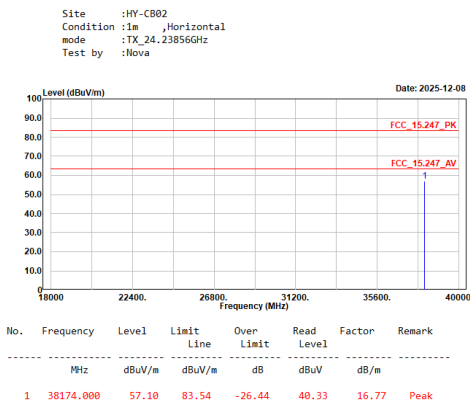
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.15GHz
Test by :Nova

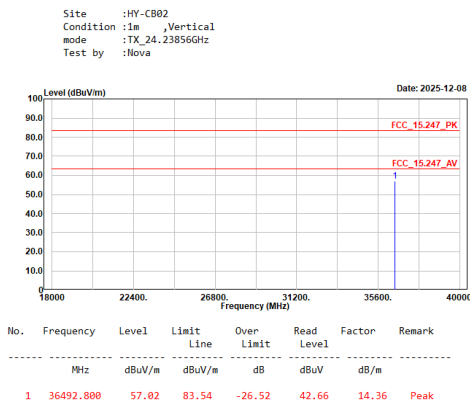


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	18034.800	47.58	83.54	-35.96	41.99	5.59	Peak

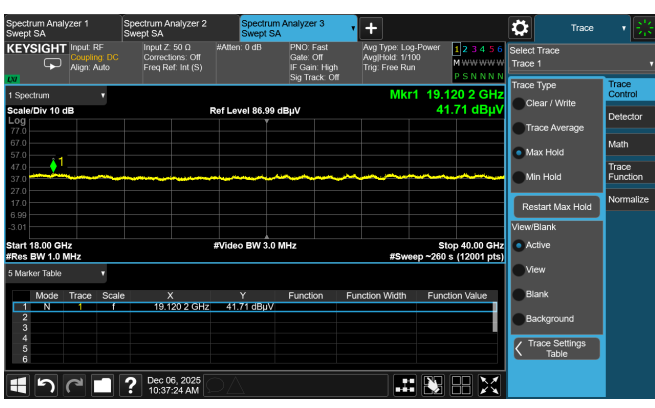
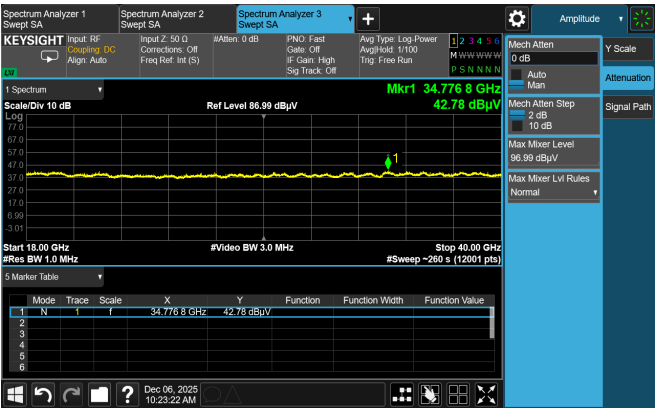
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

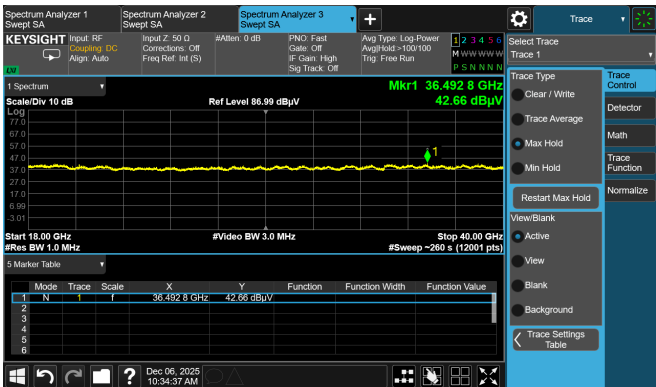
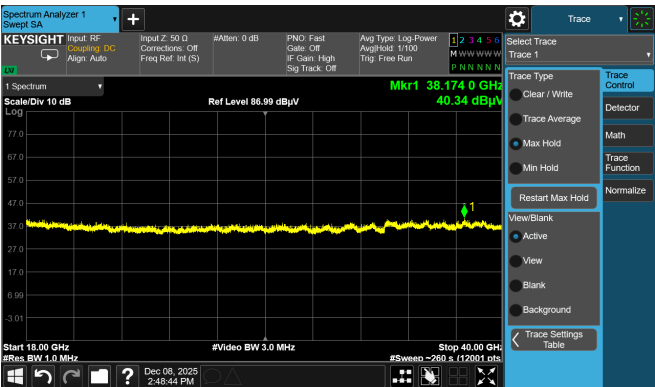
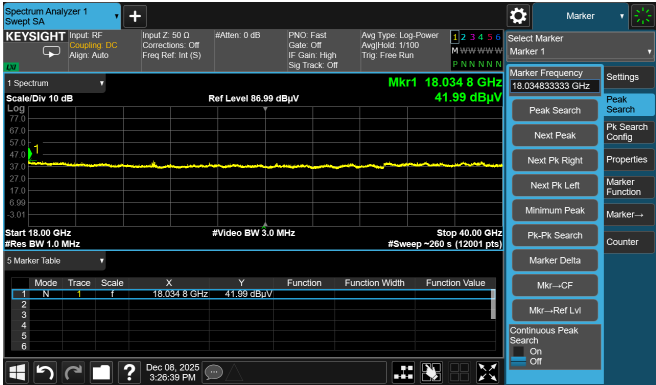
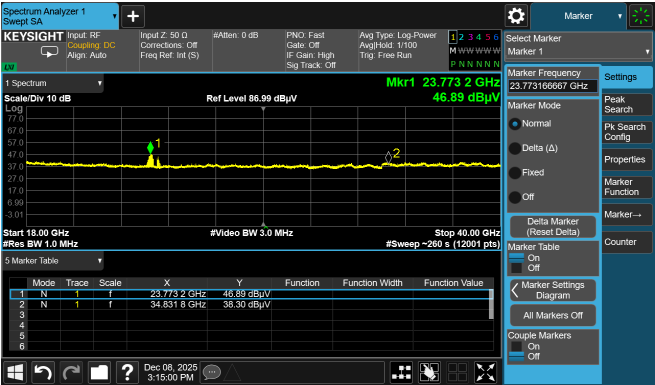


Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.



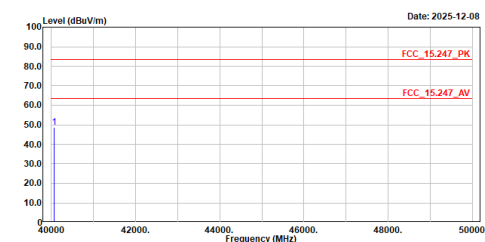
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.





40 GHz ~ 50 GHz

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.85856GHz
Test by :Nova

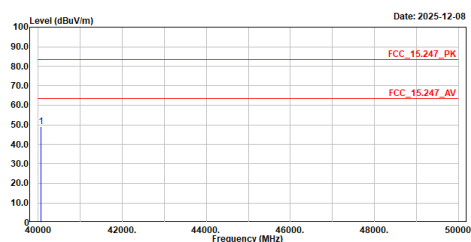


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	40073.000	48.82	83.54	-34.72	50.37	-1.55	

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.85856GHz
Test by :Nova

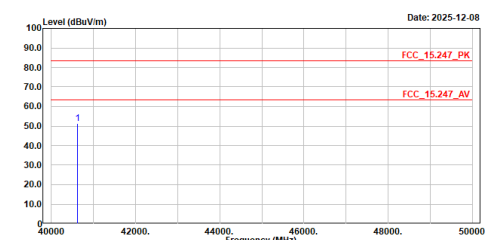


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	40074.200	49.24	83.54	-34.30	50.79	-1.55	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.15GHz
Test by :Nova

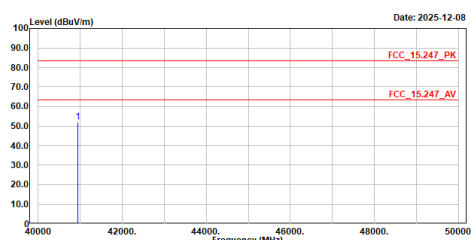


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	40629.000	51.19	83.54	-32.35	52.68	-1.49	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.15GHz
Test by :Nova

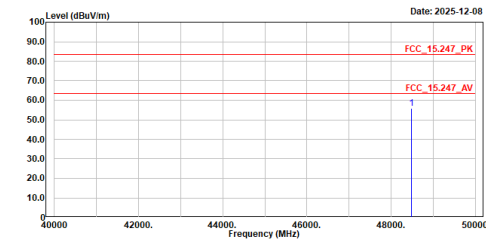


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	40953.000	52.01	83.54	-31.53	52.73	-0.72	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.23856GHz
Test by :Nova

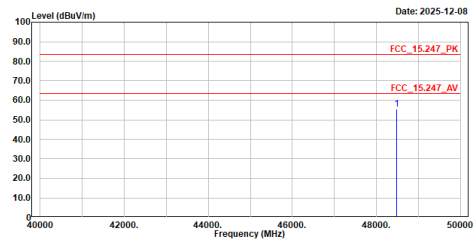


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	48477.508	55.67	83.54	-27.87	51.05	4.62	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

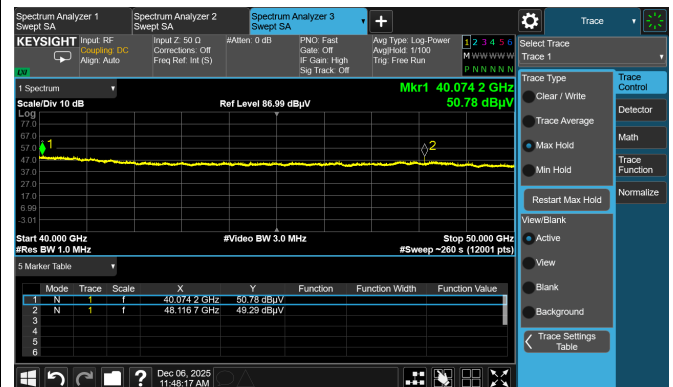
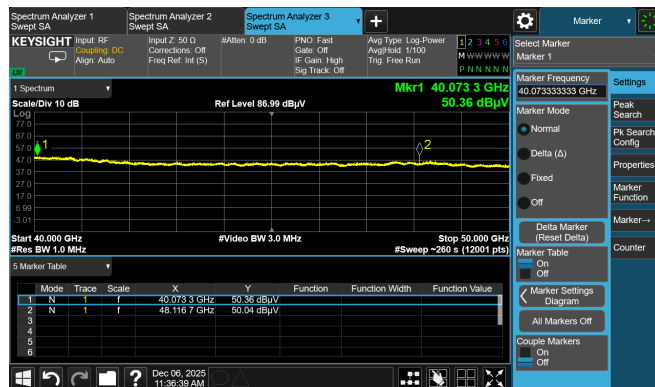
Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.23856GHz
Test by :Nova

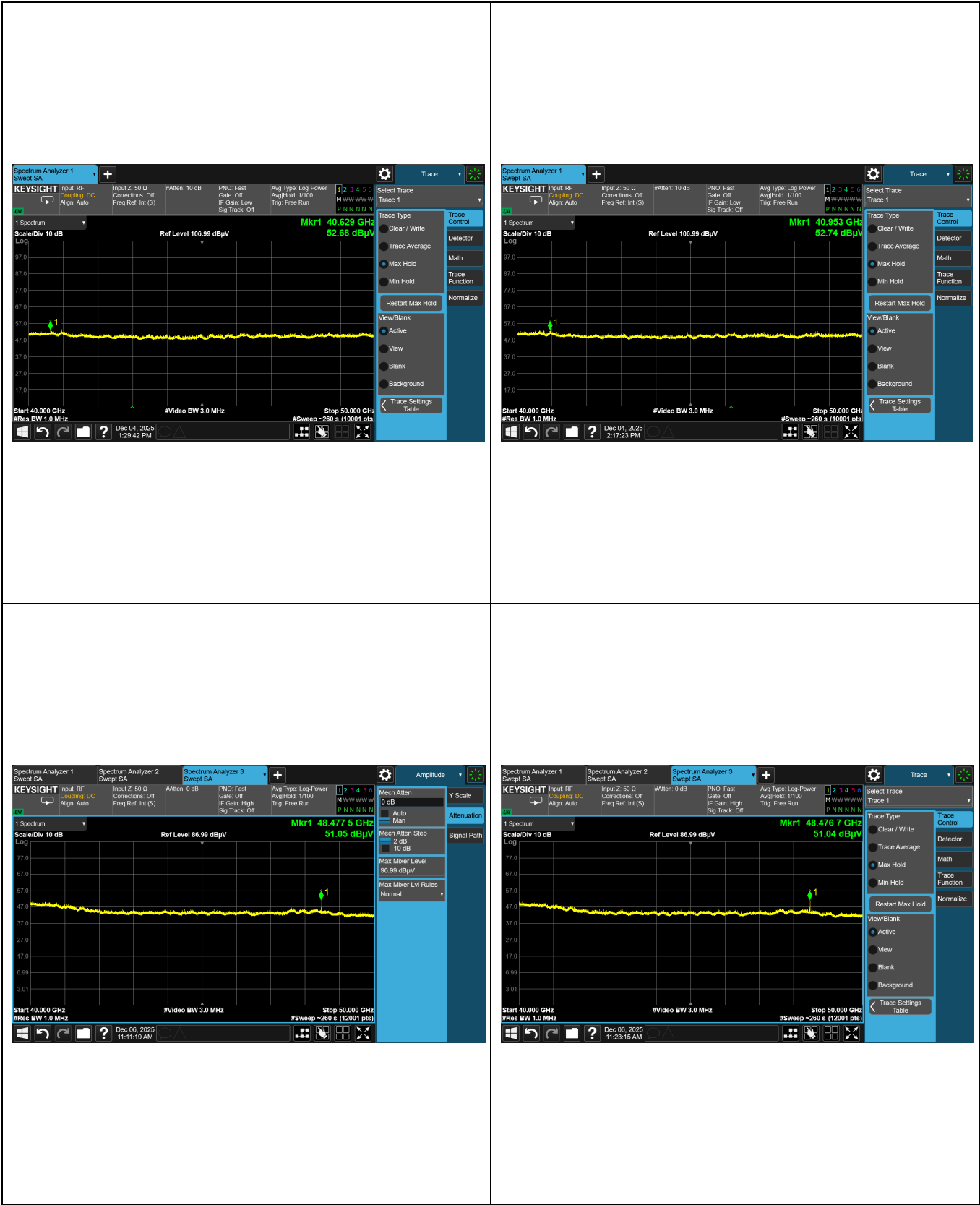


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	48476.708	55.66	83.54	-27.88	51.04	4.62	Peak

Note:

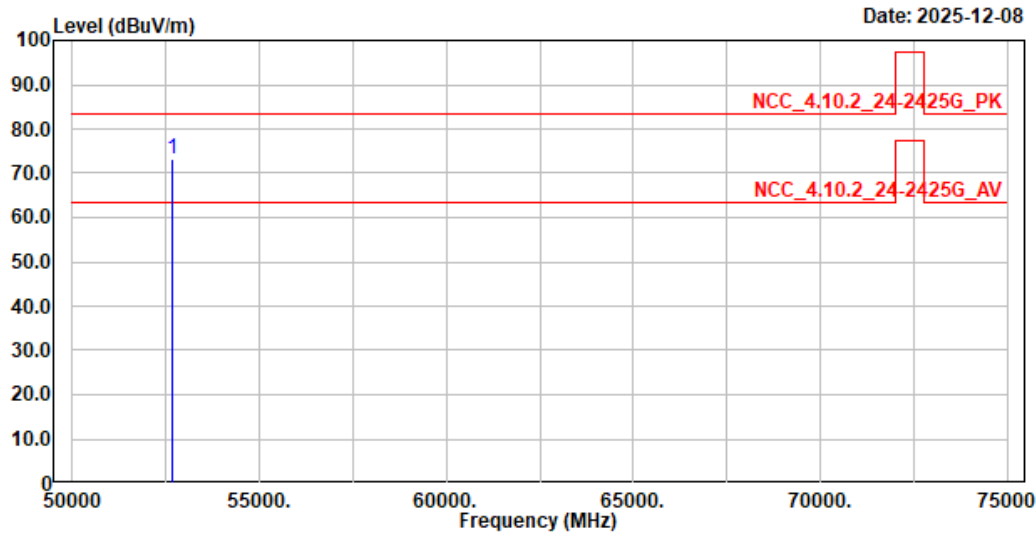
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.





50 GHz ~ 75 GHz

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.05856GHz
Test by :Nova



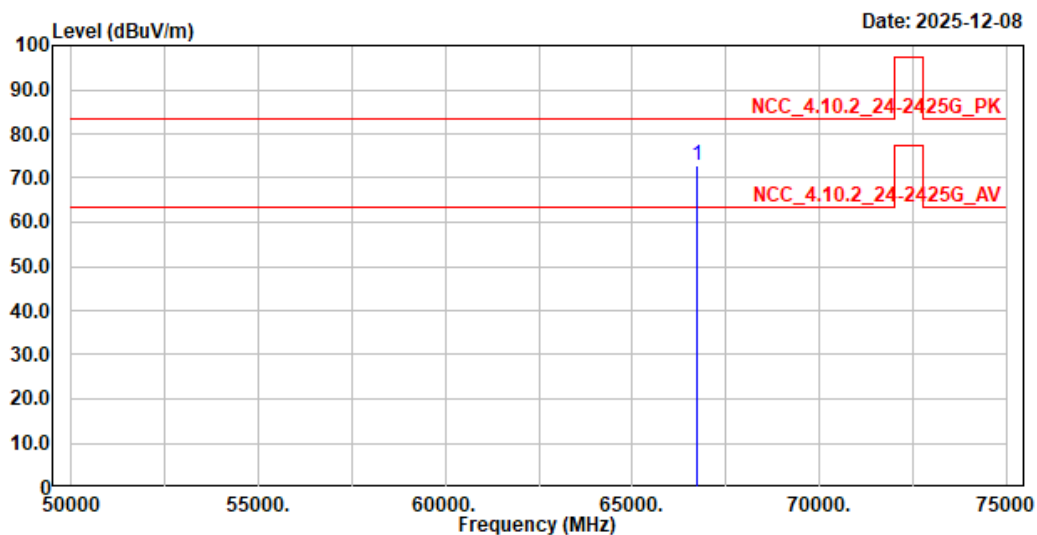
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	52666.700	73.21	83.54	-10.33	14.65	58.56	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
52666.7	73.21	-55.918	17.292	-46.248	63.540

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24.05856GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	66739.600	72.91	83.54	-10.63	14.66	58.25	Peak

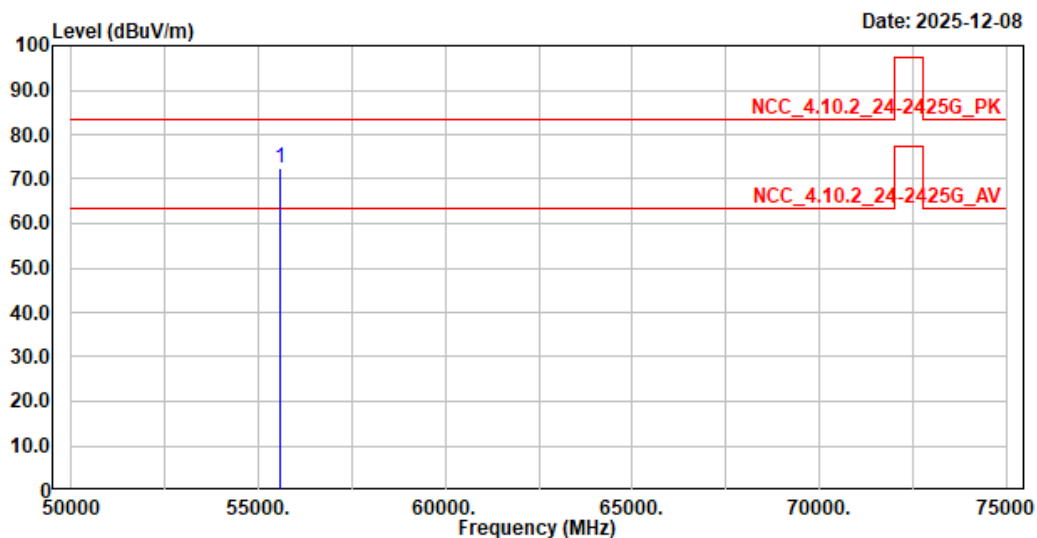
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
66739.6	72.91	-55.918	16.992	-46.548	63.540

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.15GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	55570.000	72.30	83.54	-11.24	14.82	57.48	Peak

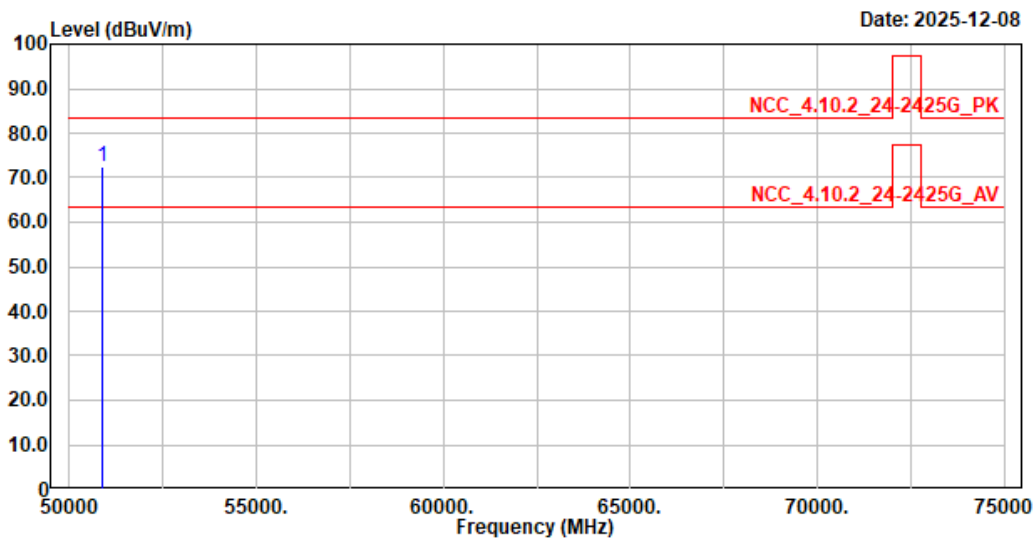
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
55570	72.3	-55.918	16.382	-47.158	63.540

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.15GHz
Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	50906.500	72.42	83.54	-11.12	14.81	57.61	Peak

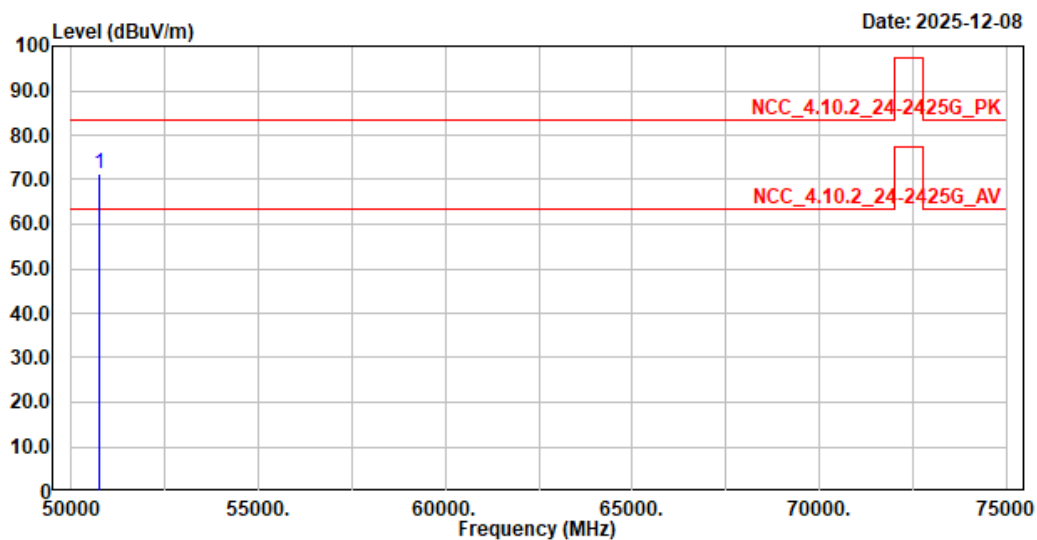
Note:

- 1. Level = Read Level + Factor
- 2. Factor = Antenna Factor + Cable Loss - Preamp Factor
- 3. Over Limit = Level - Limit Line
- 4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
50906.5	72.42	-55.918	16.502	-47.038	63.540

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.23856GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	50743.800	71.39	83.54	-12.15	14.08	57.31	Peak

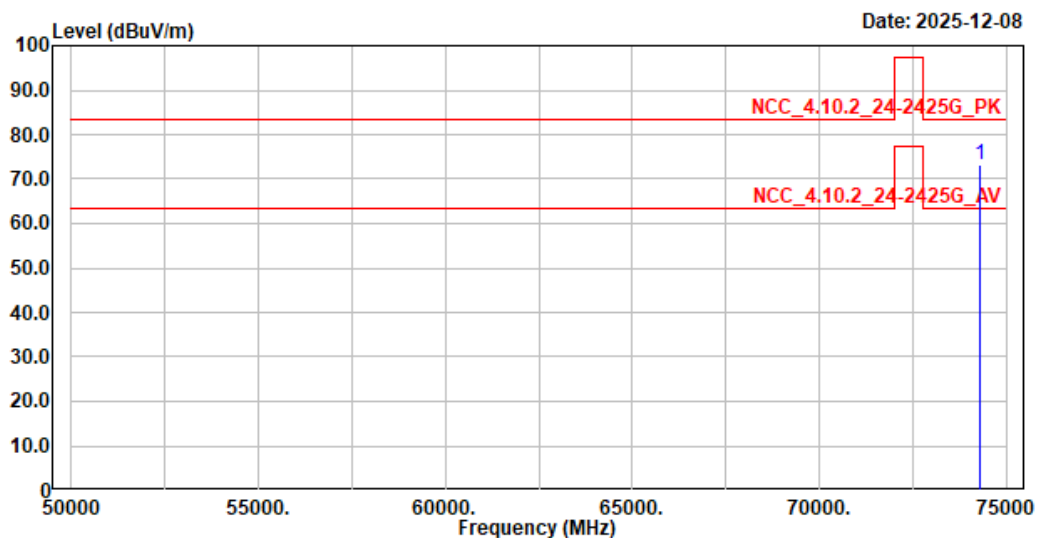
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
50743.8	71.39	-55.918	15.472	-48.068	63.540

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24.23856GHz
 Test by :Nova



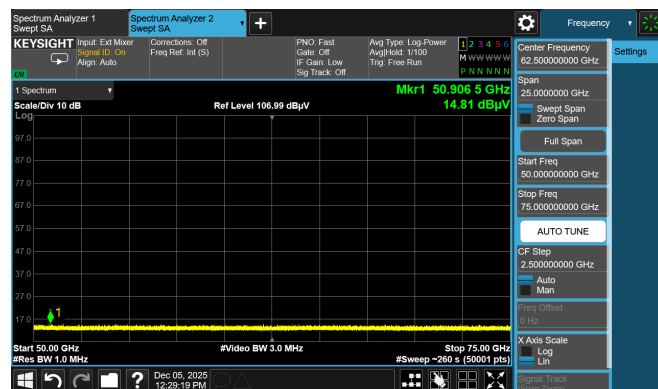
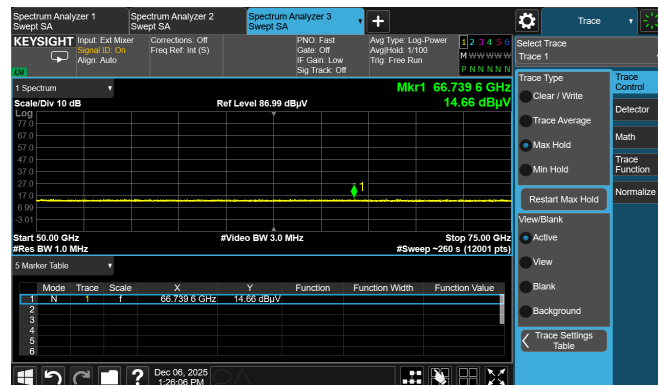
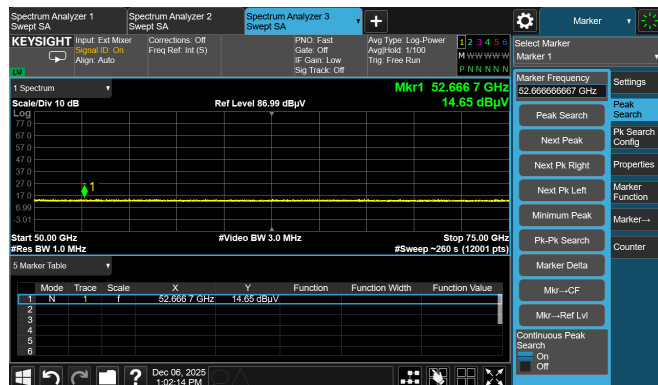
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	74302.100	73.04	83.54	-10.50	14.22	58.82	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

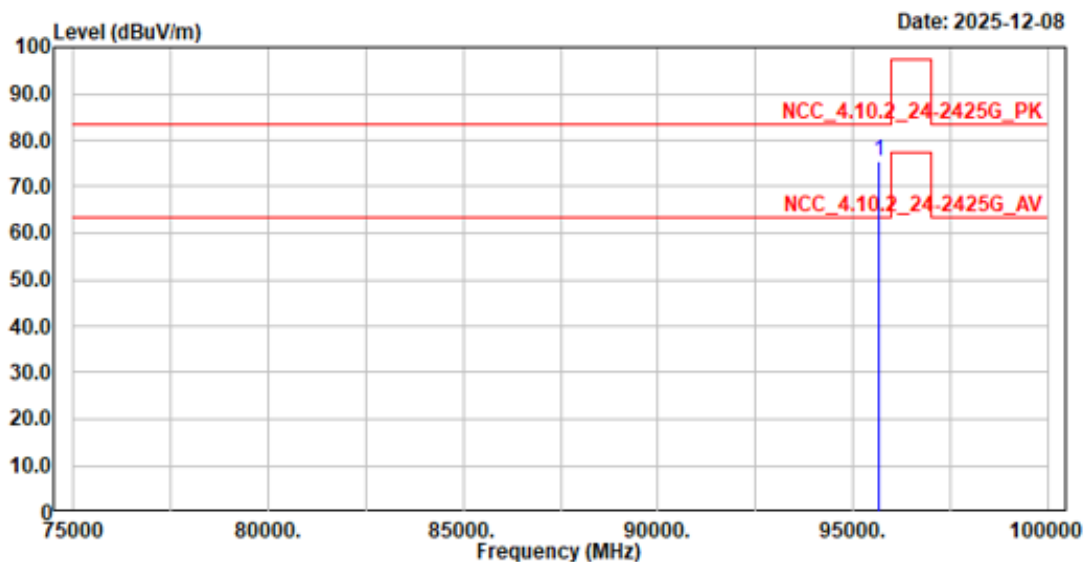
Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
74302.1	73.04	-55.918	17.122	-46.418	63.540





75 GHz ~ 100 GHz

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.05856GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	95660.400	75.59	83.54	-7.95	14.87	60.72	Peak

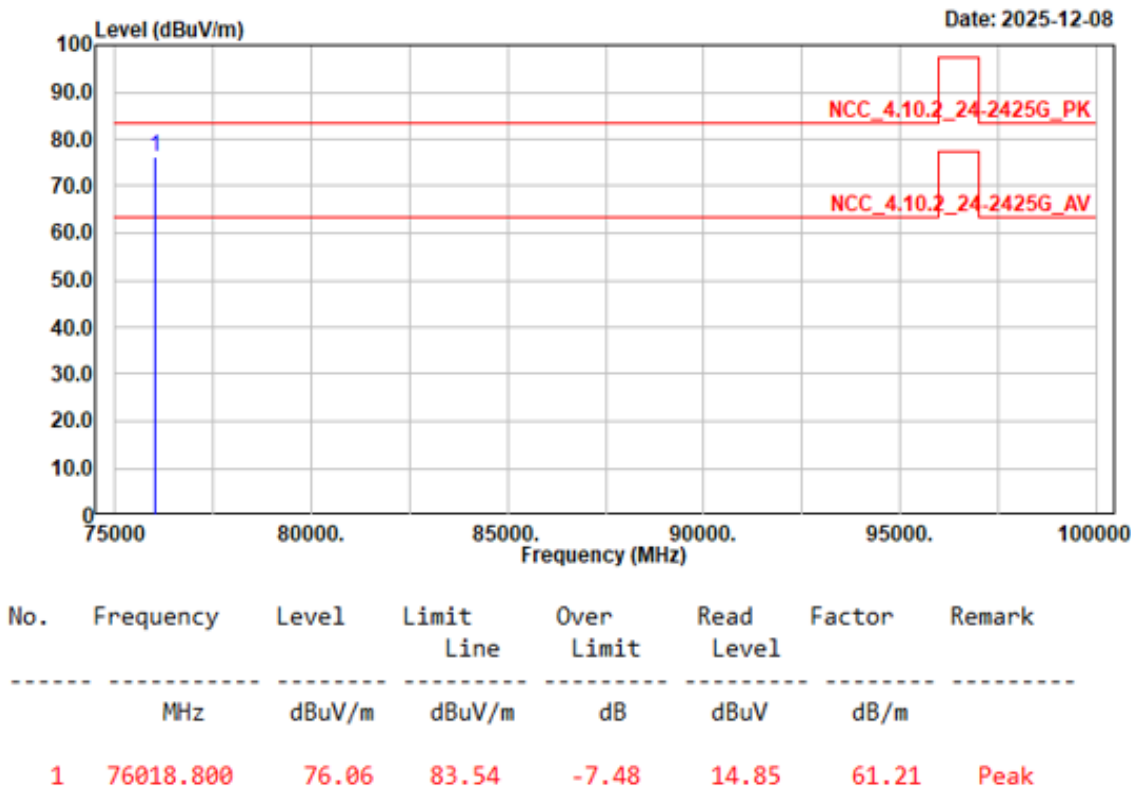
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
95660.4	75.59	-55.918	19.672	-43.868	63.540

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.05856GHz
Test by :Nova



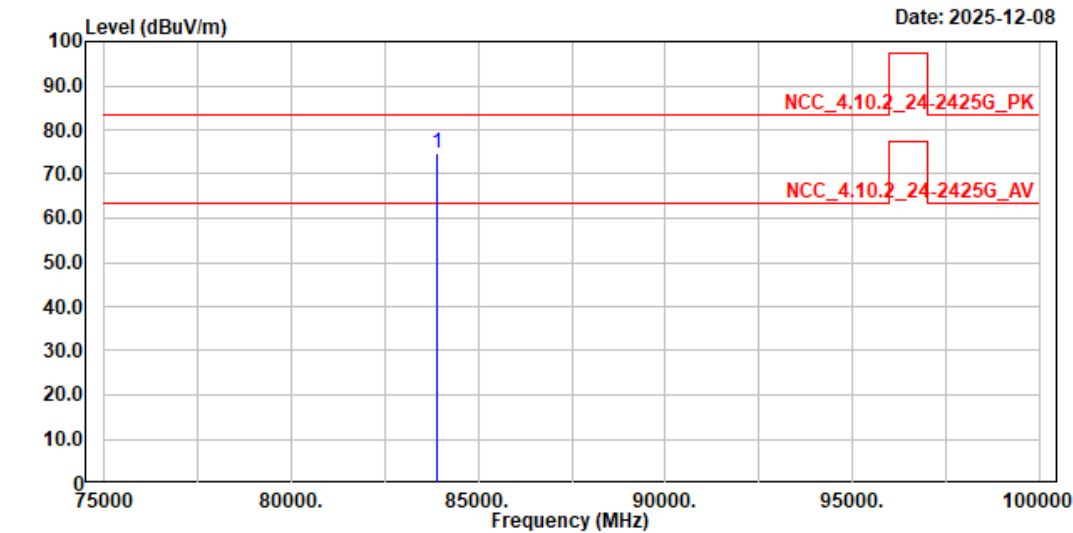
Note:

- 1. Level = Read Level + Factor
- 2. Factor = Antenna Factor + Cable Loss - Preamp Factor
- 3. Over Limit = Level - Limit Line
- 4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
76018.8	76.06	-55.918	20.142	-43.398	63.540

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX_24.15GHz
Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	83889.600	74.82	83.54	-8.72	15.39	59.43	Peak

Note:

1. Level = Read Level + Factor

2. Factor = Antenna Factor + Cable Loss - Preamp Factor

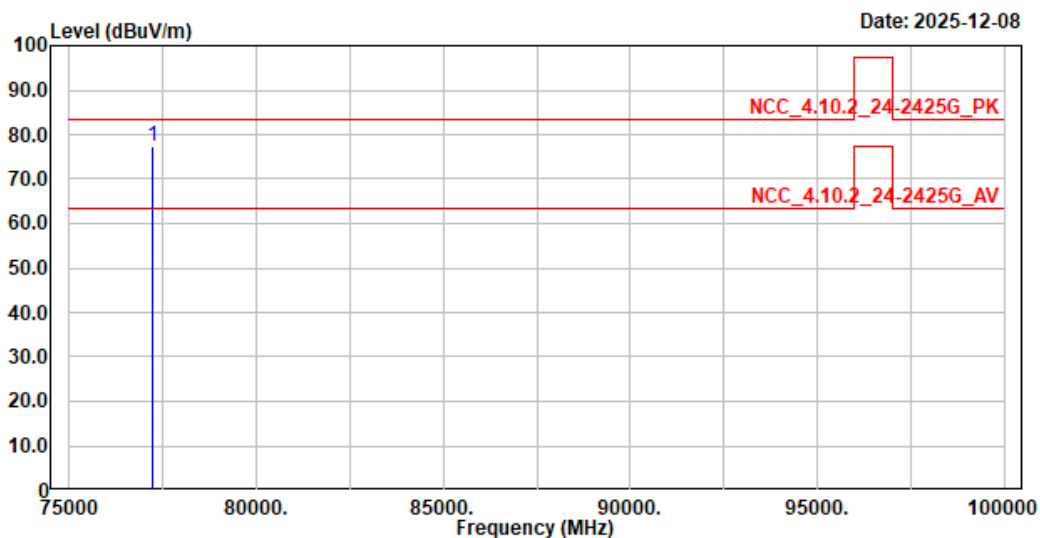
3. Over Limit = Level - Limit Line

4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
83889.6	74.82	-55.918	18.902	-44.638	63.540

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24.15GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	77210.400	77.19	83.54	-6.35	15.78	61.41	Peak

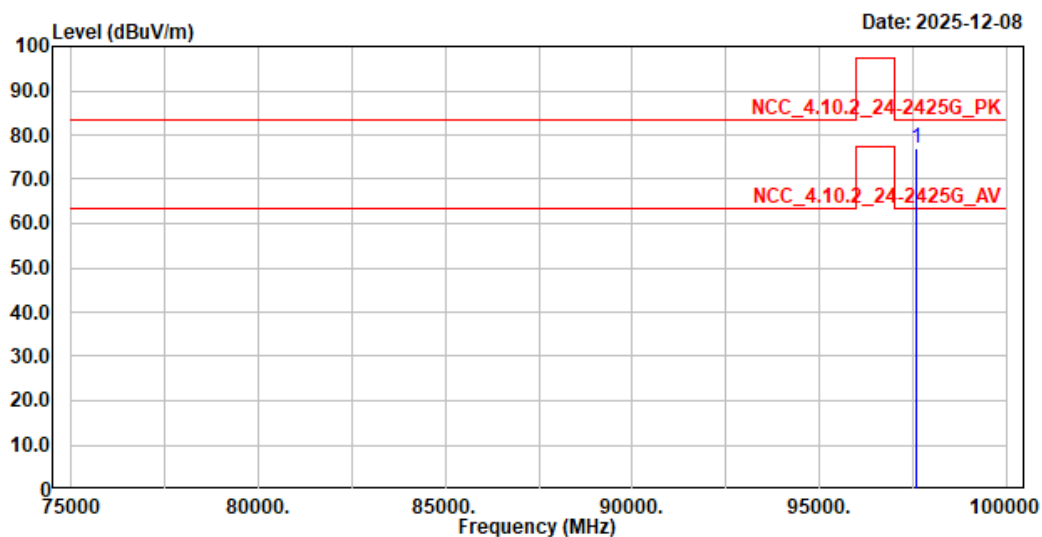
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
77210.4	77.19	-55.918	21.272	-42.268	63.540

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.23856GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	97600.000	76.99	83.54	-6.55	14.78	62.21	Peak

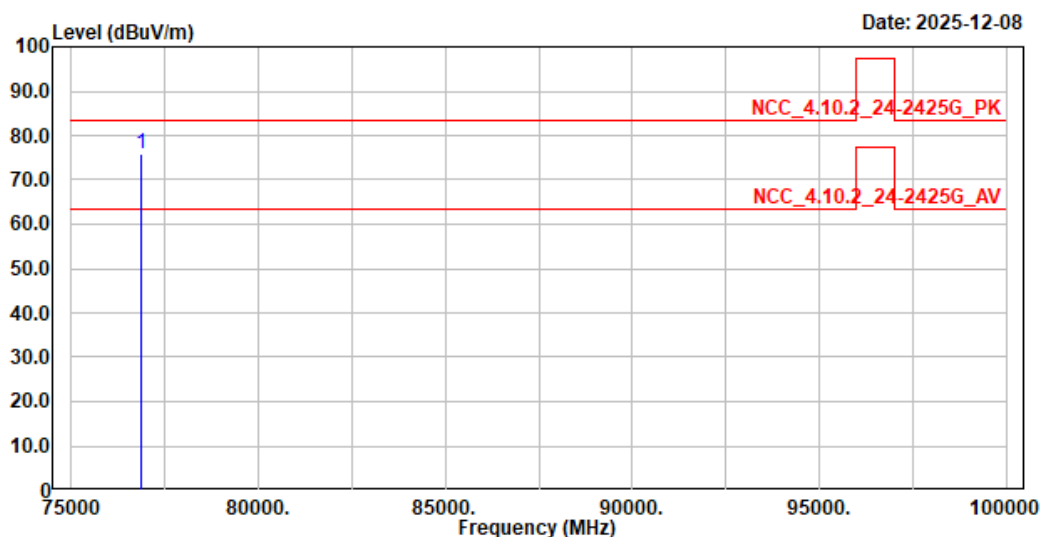
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
97600	76.99	-55.918	21.072	-42.468	63.540

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24.23856GHz
 Test by :Nova



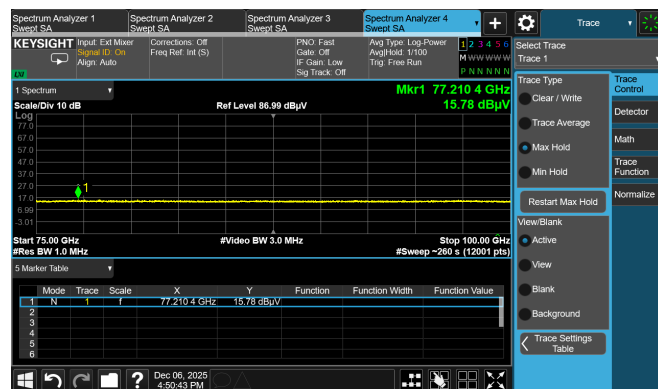
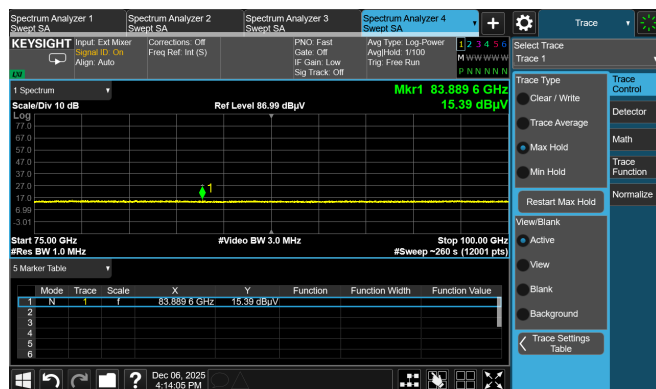
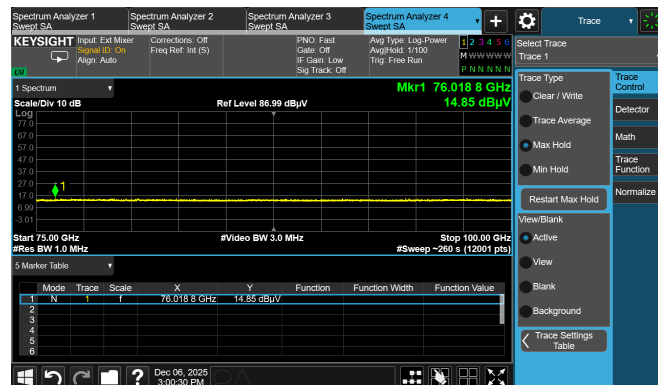
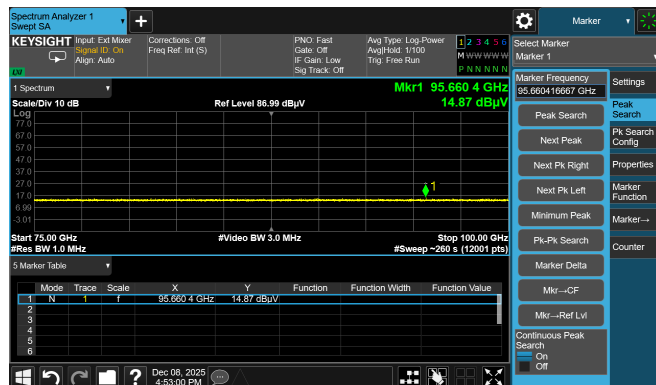
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	76870.800	75.75	83.54	-7.79	14.59	61.16	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

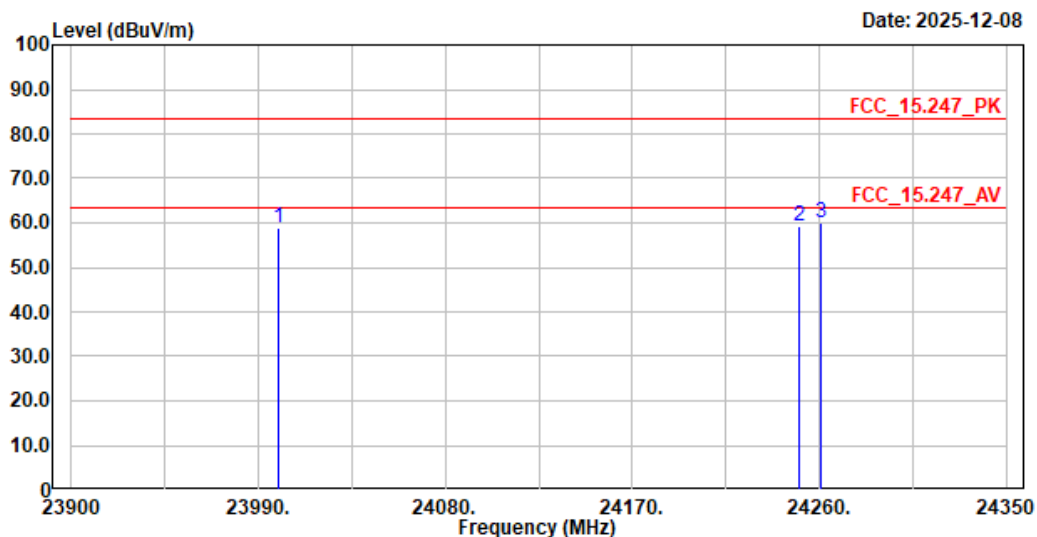
Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
76870.8	75.75	-55.918	19.832	-43.708	63.540





Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.05856GHz
 Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	24000.000	58.93	83.54	-24.61	50.00	8.93	Peak
2	24250.000	59.36	83.54	-24.18	50.22	9.14	Peak
3	24260.950	60.07	83.54	-23.47	50.96	9.11	Peak

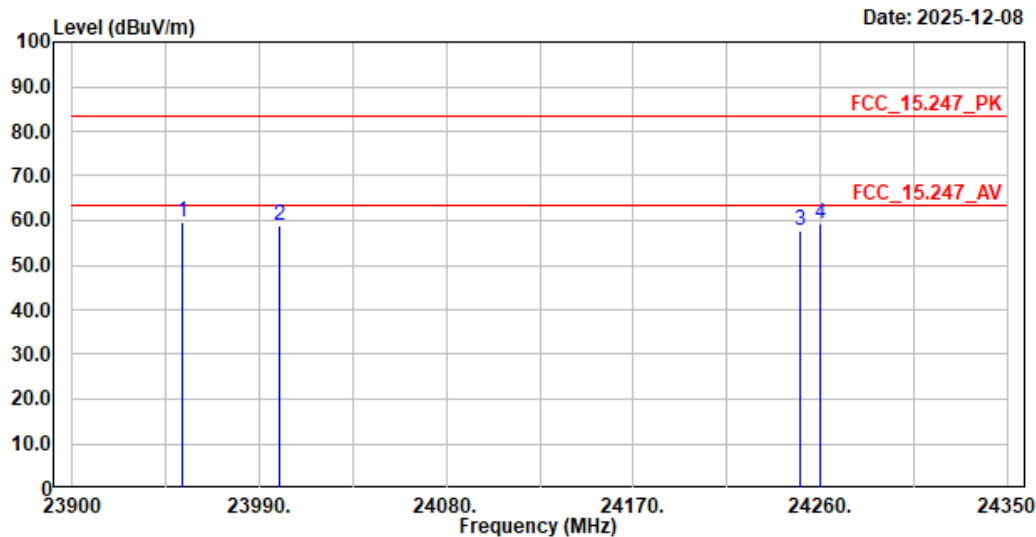
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24000	58.93	-55.918	3.012	-60.528	63.540
24250	59.36	-55.918	3.442	-60.098	63.540
24260.95	60.07	-55.918	4.152	-59.388	63.540

Site :HY-CB02
Condition :1m ,Vertical
mode :TX_24.05856GHz
Test by :Nova



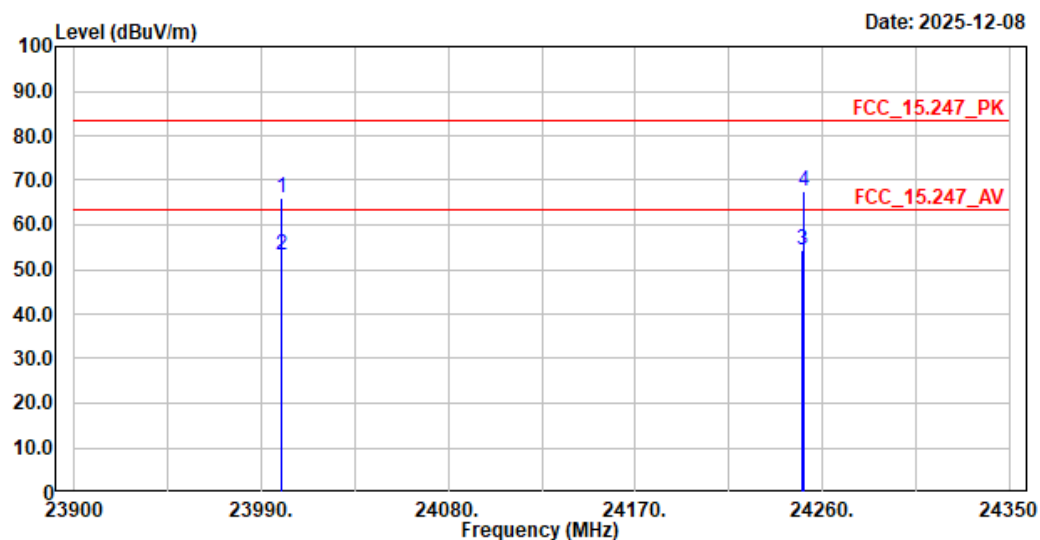
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	23952.770	59.58	83.54	-23.96	50.40	9.18	Peak
2	24000.000	58.91	83.54	-24.63	49.98	8.93	Peak
3	24250.000	57.86	83.54	-25.68	48.72	9.14	Peak
4	24259.750	59.36	83.54	-24.18	50.25	9.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
23952.77	59.58	-55.918	3.662	-59.878	63.540
24000	58.91	-55.918	2.992	-60.548	63.540
24250	57.86	-55.918	1.942	-61.598	63.540
24259.75	59.36	-55.918	3.442	-60.098	63.540

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.148556GHz
 Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	23999.460	66.09	83.54	-17.45	57.16	8.93	Peak
2	24000.000	53.31	83.54	-30.23	44.38	8.93	Peak
3	24250.000	54.17	83.54	-29.37	45.03	9.14	Peak
4	24251.120	67.63	83.54	-15.91	58.49	9.14	Peak

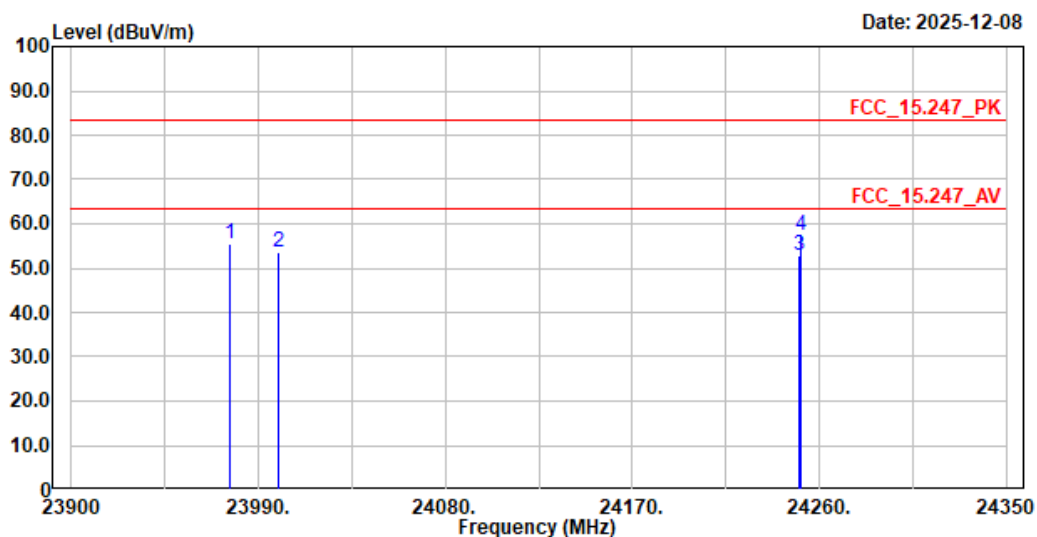
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
23999.46	66.09	-55.918	10.172	-53.368	63.540
24000	53.31	-55.918	-2.608	-66.148	63.540
24250	54.17	-55.918	-1.748	-65.288	63.540
24251.12	67.63	-55.918	11.712	-51.828	63.540

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24.148556GHz
 Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	23976.710	55.65	83.54	-27.89	46.59	9.06	Peak
2	24000.000	53.54	83.54	-30.00	44.61	8.93	Peak
3	24250.000	53.00	83.54	-30.54	43.86	9.14	Peak
4	24251.120	57.43	83.54	-26.11	48.29	9.14	Peak

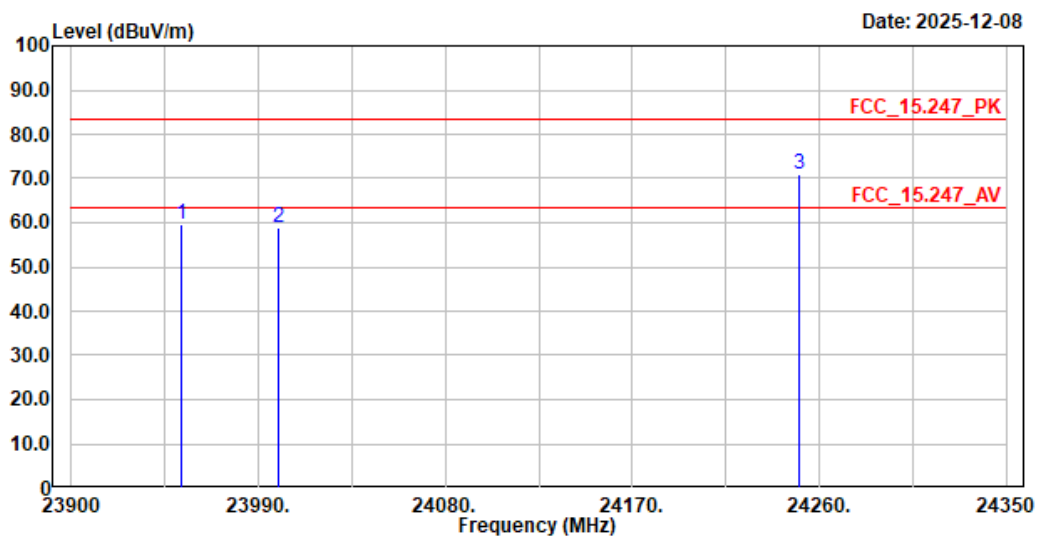
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
23976.71	55.65	-55.918	-0.268	-63.808	63.540
24000	53.54	-55.918	-2.378	-65.918	63.540
24250	53	-55.918	-2.918	-66.458	63.540
24251.12	57.43	-55.918	1.512	-62.028	63.540

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24.23856GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	23952.680	59.80	83.54	-23.74	50.62	9.18	Peak
2	24000.000	58.81	83.54	-24.73	49.88	8.93	Peak
3	24250.000	70.87	83.54	-12.67	61.73	9.14	Peak

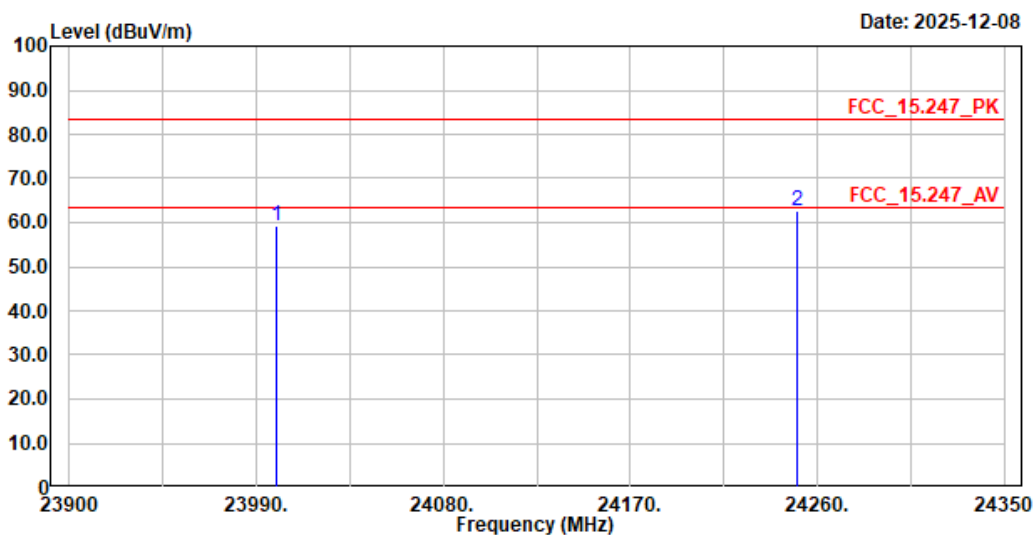
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
23952.68	59.8	-55.918	3.882	-59.658	63.540
24000	58.81	-55.918	2.892	-60.648	63.540
24250	70.87	-55.918	14.952	-48.588	63.540

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24.23856GHz
 Test by :Nova



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	24000.000	59.36	83.54	-24.18	50.43	8.93	Peak
2	24250.000	62.65	83.54	-20.89	53.51	9.14	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
24000	59.36	-55.918	3.442	-60.098	63.540
24250	62.65	-55.918	6.732	-56.808	63.540