



Test report No.: 2331032R-RFUSV01S-B

## TEST REPORT (Class II Permissive Change)

Product Name	Intel® Wireless-AC 9260
Trademark	Advantech
Model and /or type reference	EWM-W192K
FCC ID	M82-EWM-W192K
Applicant's name / address	Advantech Co Ltd No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 114, Taiwan
Manufacturer's name	Intel Mobile Communications
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart C ANSI C63.4: 2014, ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented By (Senior Project Specialist / Genie Chang)	<i>Genie Chang</i>
Tested By (Senior Engineer / Bill Lin)	<i>Bill Lin</i>
Approved By (Senior Engineer / Alan Chen)	<i>Alan Chen</i>
Date of Receipt	2023/03/30
Date of Issue	2023/06/05
Report Version	V1.0

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Appendix 1: EUT Test Photographs

Appendix 2: Product Photos-Please refer to the file: 2331032R-Product Photos

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## Competences and Guarantees

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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.

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## General conditions

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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.

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## Revision History

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Report No.	Version	Description	Issued Date
2331032R-RFUSV01S-B	V1.0	Initial issue of report.	2023/06/05

## 1. General Information

### 1.1. EUT Description

Product Name	Intel® Wireless-AC 9260
Trademark	Advantech
Model and /or type reference	EWM-W192K
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	DC 3.3V(Power by Test Platform)
Frequency Range	2402-2480 MHz
Channel Number	79 CH
Type of Modulation	GFSK(1 Mbps) / $\pi$ / 4DQPSK(2 Mbps) / 8DPSK(3 Mbps)
Channel Control	Auto

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	INPAQ	RFPCA351746EMLB901 (Main)	PCB	2.41 dBi for 2400 MHz
		RFPCA351455EMLB901 (Aux)		2.60 dBi for 2400 MHz

Note: The antenna of EUT conforms to FCC 15.203.

## Center Frequency of Each Channel:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	01	2403	02	2404	03	2405
04	2406	05	2407	06	2408	07	2409
08	2410	09	2411	10	2412	11	2413
12	2414	13	2415	14	2416	15	2417
16	2418	17	2419	18	2420	19	2421
20	2422	21	2423	22	2424	23	2425
24	2426	25	2427	26	2428	27	2429
28	2430	29	2431	30	2432	31	2433
32	2434	33	2435	34	2436	35	2437
36	2438	37	2439	38	2440	39	2441
40	2442	41	2443	42	2444	43	2445
44	2446	45	2447	46	2448	47	2449
48	2450	49	2451	50	2452	51	2453
52	2454	53	2455	54	2456	55	2457
56	2458	57	2459	58	2460	59	2461
60	2462	61	2463	62	2464	63	2465
64	2466	65	2467	66	2468	67	2469
68	2470	69	2471	70	2472	71	2473
72	2474	73	2475	74	2476	75	2477
76	2478	77	2479	78	2480	--	--

## Note:

- The EUT is an Intel® Wireless-AC 9260 with built-in Bluetooth transceiver, this report for Bluetooth V2.1+EDR.
- This is to request a Class II permissive change.  
The major change filed under this application is:  
Change #1: Addition a PCB Antenna, the antenna type is different with the original application.
- Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
- DEKRA has evaluated each test mode. Only the worst case is shown in the report.
- These tests were conducted on a sample for the purpose of demonstrating compliance of transmitter with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
- The test mode is based on the Bluetooth technology, while testing 1Mbps, 2Mbps and 3Mbps, the worst case is 1Mbps and 3Mbps, and only worse case data is recorded in this report.

Test Mode	Mode 1	Transmit-1 Mbps
		Transmit-2 Mbps
		Transmit-3 Mbps

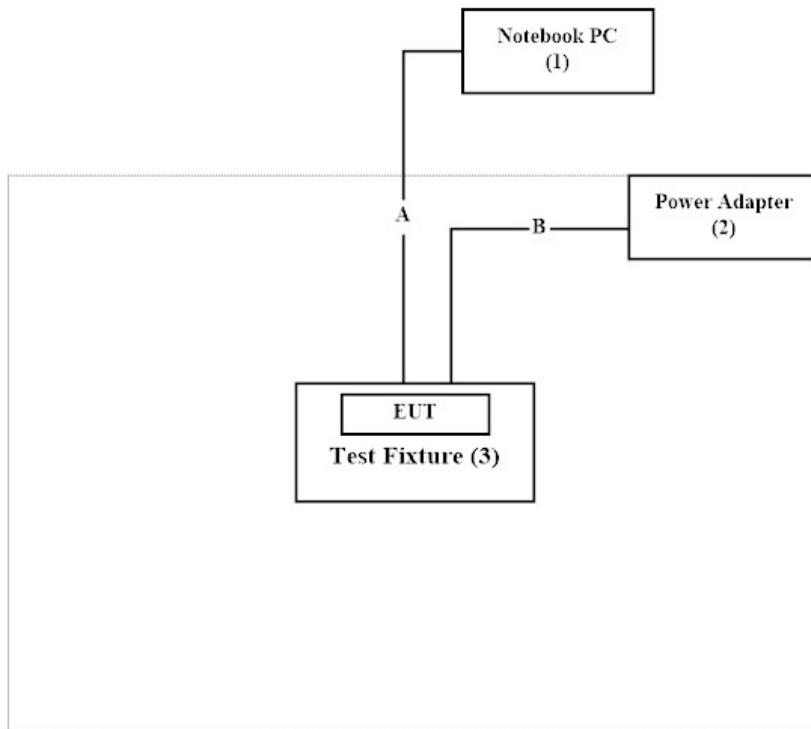
1.2. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	Lenovo	TP00067C	PF-0EW26J
2	Power Adapter	FSP	FSP250M-KHA	N/A
3	Test Fixture	Advantech	N/A	N/A

Cable Type	Cable Description
A	LAN Cable
B	Power Cable

1.3. Configuration of Tested System



1.4. EUT Exercise Software

1.	Setup the EUT as shown in Section 1.3.
2.	Execute software “DRTU_V 21.350.120.0.0-01117” on the Notebook PC.
3.	Configure the test mode, the test channel, and the data rate.
4.	Press “OK” to start the continuous transmit.
5.	Verify that the EUT works properly.

## 1.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	10~40 °C	22.8 °C
	Humidity (%RH)	10~90 %	58.6 %
Conductive	Temperature (°C)	10~40 °C	22.0 °C
	Humidity (%RH)	10~90 %	55.0 %

USA	FCC Registration 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.5-22, Ruishukeng Linkou District, New Taipei City, 24451, 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



## 1.6. List of Test Equipment

**For Conduction Measurements / HY-SR01**

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
	EMI Test Receiver	R&S	ESR7	101601	2022/06/23	2023/06/22
	Two-Line V-Network	R&S	ENV216	101306	2023/03/16	2024/03/15
	Two-Line V-Network	R&S	ENV216	101307	2022/07/04	2023/07/03
	Coaxial Cable	SUHNER	RG400_BNC	RF001	2022/05/24	2023/05/23

Note:

1. All equipments are calibrated every one 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 Conducted Measurements / HY-SR02**

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Spectrum Analyzer	R&S	FSV30	103466	2022/12/22	2023/12/21
V	Peak Power Analyzer	KEYSIGHT	8990B	MY51000410	2022/08/06	2023/08/05
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY56080003	2022/08/05	2023/08/04
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY56080004	2022/08/05	2023/08/04

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: RF Conducted Test Tools R3 V3.0.1.14.

**For Radiated Measurements / HY-CB03**

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Loop Antenna	AMETEK	HLA6121	49611	2023/02/21	2024/02/20
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-675	2021/08/11	2023/08/10
V	Horn Antenna	RF SPIN	DRH18-E	210508A18ES	2022/06/08	2023/06/07
V	Horn Antenna	Com-Power	AH-840	101100	2021/10/04	2023/10/03
V	Pre-Amplifier	SGH	0301	20211007-10	2023/01/10	2024/01/09
V	Pre-Amplifier	SGH	PRAMP118	20200701	2023/01/10	2024/01/09
V	Pre-Amplifier	EMCI	EMC05820SE	980310	2023/01/10	2024/01/09
	Pre-Amplifier	EMCI	EMC184045SE	980369	2023/01/10	2024/01/09
V	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314		
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
V	Filter	MICRO TRONICS	BRM50702	G269	2023/01/05	2024/01/04
	Filter	MICRO TRONICS	BRM50716	G196	2023/01/05	2024/01/04
V	EMI Test Receiver	R&S	ESR3	102793	2022/12/05	2023/12/04
V	Spectrum Analyzer	R&S	FSV3044	101114	2023/02/16	2024/02/15
	Coaxial Cable	SGH	SGH18	2021005-1	2023/01/10	2024/01/09
V	Coaxial Cable	SGH	SGH18	202108-4		
	Coaxial Cable	SGH	HA800	GD20110223-1		
	Coaxial Cable	SGH	HA800	GD20110222-3		

Note:

1. Bi-Log Antenna and Horn Antenna(AH-840) is calibrated every two years, the other equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

### 1.7. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

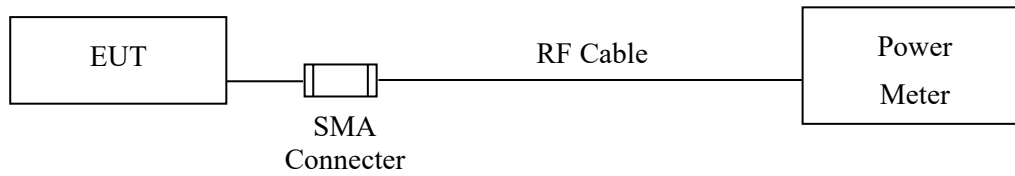
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

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
Peak Power Output	Spectrum Analyzer: $\pm 2.14$ dB Power Meter: $\pm 1.05$ dB
Radiated Emission	9 kHz~30 MHz: $\pm 3.88$ dB 30 MHz~1 GHz: $\pm 4.42$ dB 1 GHz~18 GHz: $\pm 4.28$ dB 18 GHz~40 GHz: $\pm 3.90$ dB
Band Edge	9 kHz~30 MHz: $\pm 3.88$ dB 30 MHz~1 GHz: $\pm 4.42$ dB 1 GHz~18 GHz: $\pm 4.28$ dB 18 GHz~40 GHz: $\pm 3.90$ dB
Duty Cycle	$\pm 0.53$ %

## 2. Peak Power Output

### 2.1. Test Setup



### 2.2. Limit

The maximum peak power shall be less 1 Watt.

### 2.3. Test Procedure

Tested according to FHSS test procedure of KDB 558074 section 9 (b for compliance to FCC 47CFR 15.247 requirements.

## 2.4. Test Result of Peak Power Output

Product : Intel® Wireless-AC 9260  
Test Item : Peak Power Output  
Test Mode : Transmit-1 Mbps  
Test Date : 2023/04/12

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
00	2402	10.11	1 Watt= 30 dBm	Pass
39	2441	10.52	1 Watt= 30 dBm	Pass
78	2480	11.13	1 Watt= 30 dBm	Pass

Product : Intel® Wireless-AC 9260  
Test Item : Peak Power Output  
Test Mode : Transmit-2 Mbps  
Test Date : 2023/04/12

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
00	2402	9.88	1 Watt= 30 dBm	Pass
39	2441	10.09	1 Watt= 30 dBm	Pass
78	2480	10.53	1 Watt= 30 dBm	Pass

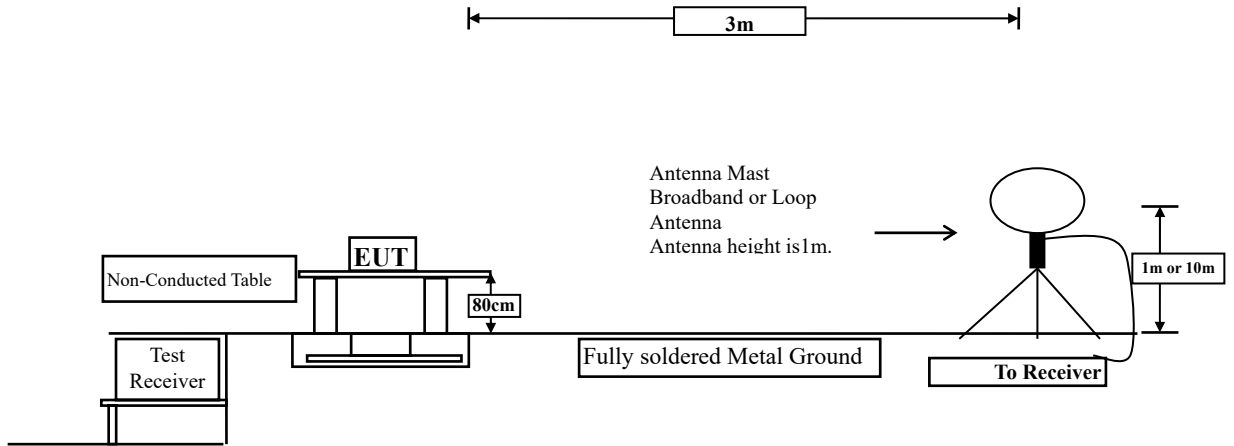
Product : Intel® Wireless-AC 9260  
Test Item : Peak Power Output  
Test Mode : Transmit-3 Mbps  
Test Date : 2023/04/12

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
00	2402	9.92	1 Watt= 30 dBm	Pass
39	2441	10.12	1 Watt= 30 dBm	Pass
78	2480	10.59	1 Watt= 30 dBm	Pass

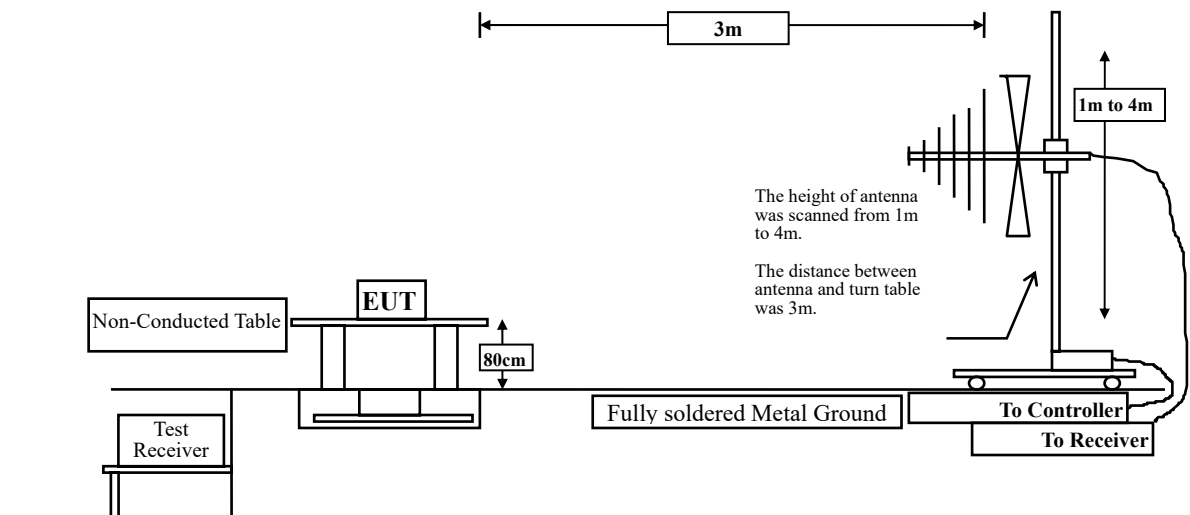
### 3. Radiated Emission

#### 3.1. Test Setup

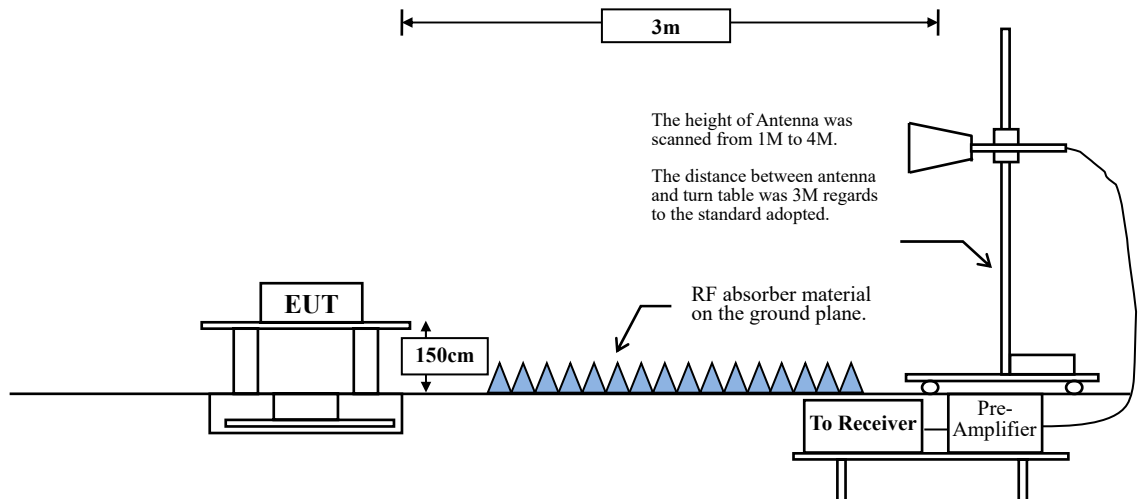
##### Radiated Emission Under 30 MHz



##### Radiated Emission Below 1 GHz



##### Radiated Emission Above 1 GHz



### 3.2. Limits

#### ➤ General Radiated Emission Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

#### Remarks:

1. RF Voltage (dB $\mu$ V) = 20 log RF Voltage ( $\mu$ V)
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.



### 3.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1 GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30 MHz setting on the field strength meter is 9kHz and 30 MHz~1 GHz is 120 kHz and above 1 GHz is 1 MHz.

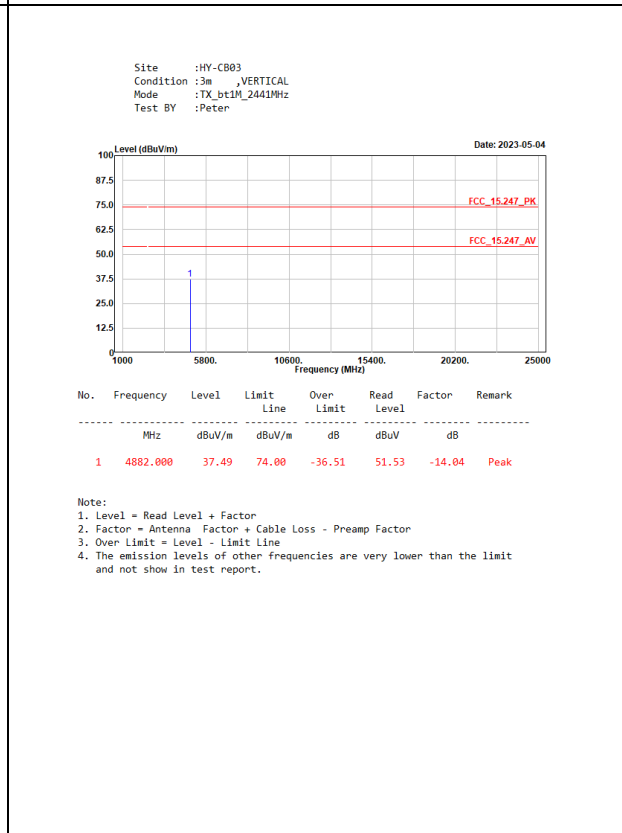
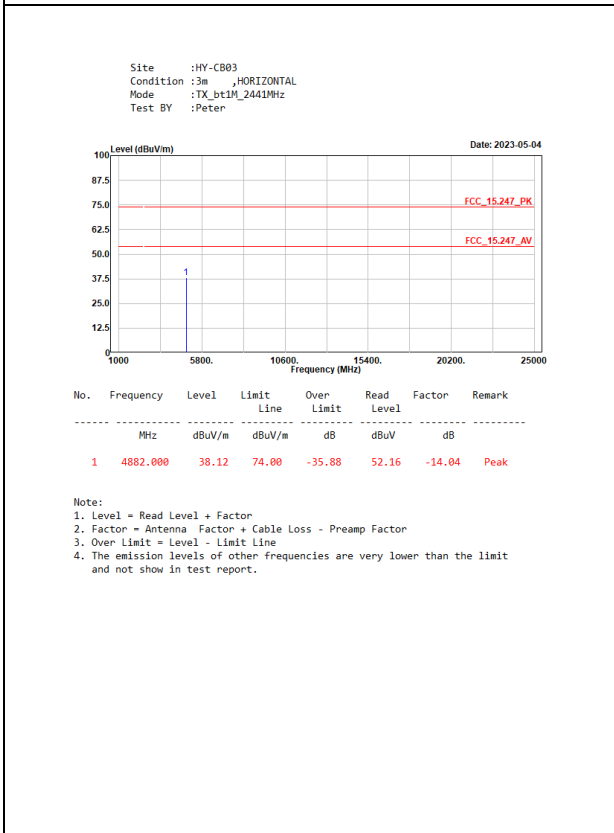
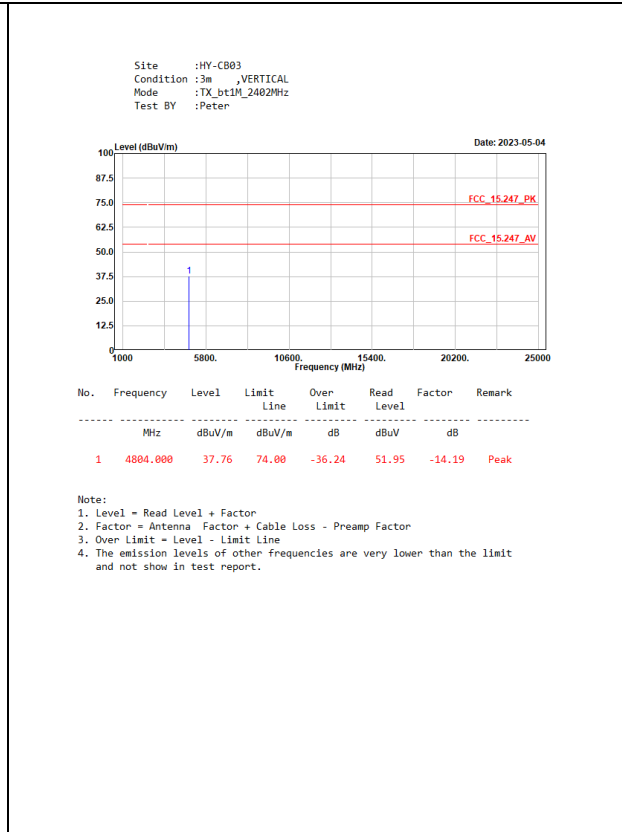
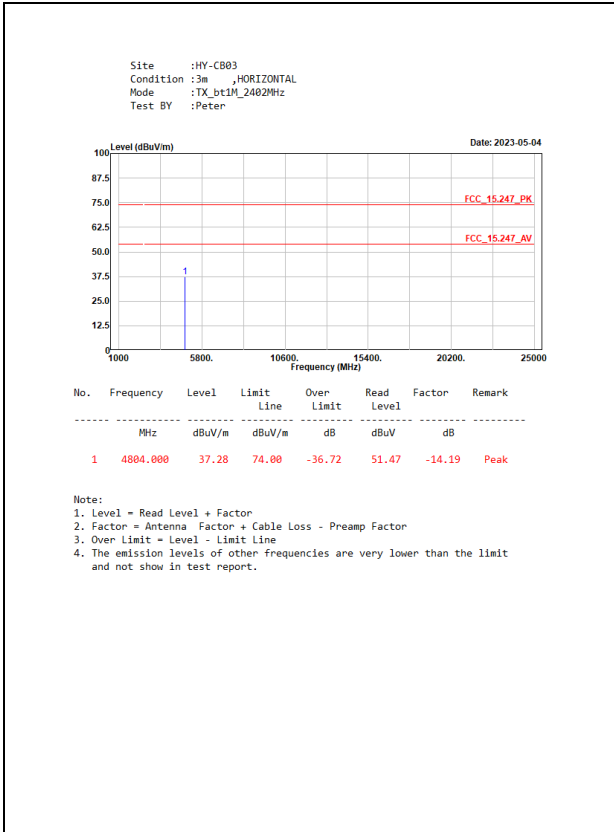
Radiated emission measurements below 30 MHz are made using Loop Antenna and 30 MHz~1 GHz are made using broadband Bilog antenna and above 1 GHz are made using Horn Antennas.

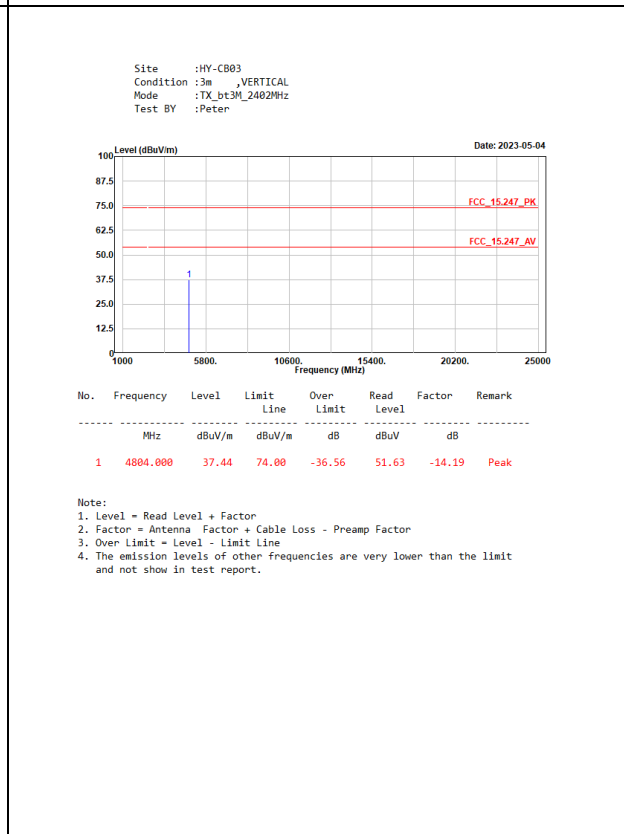
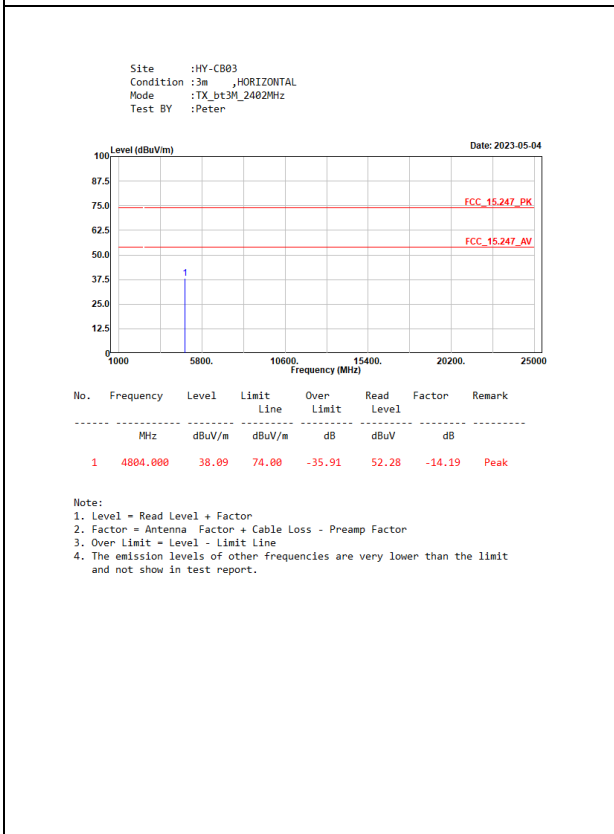
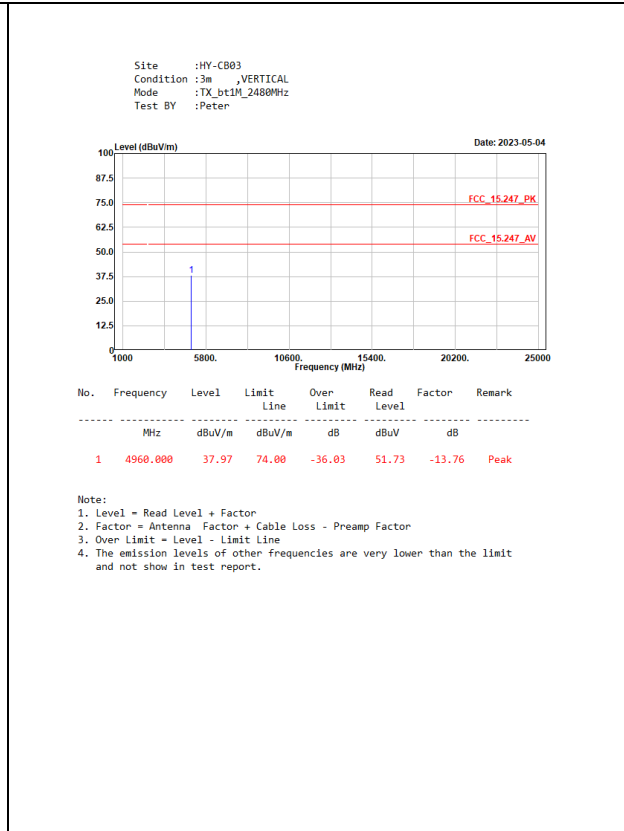
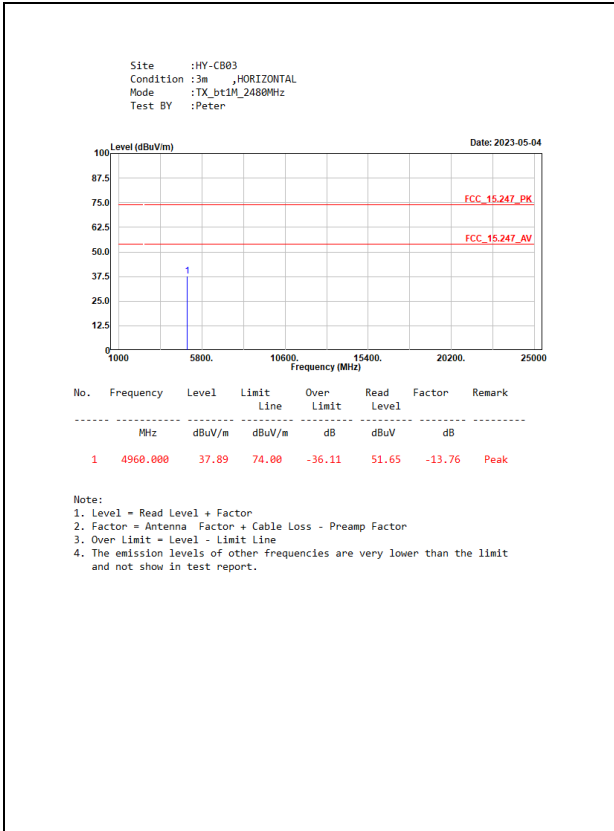
The measurement is divided into the Preliminary Measurement and the Final Measurement.

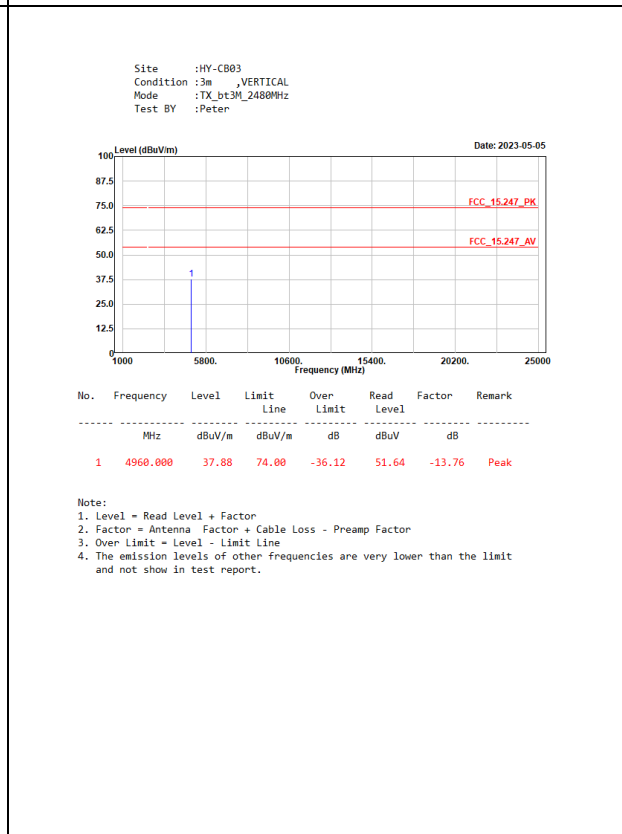
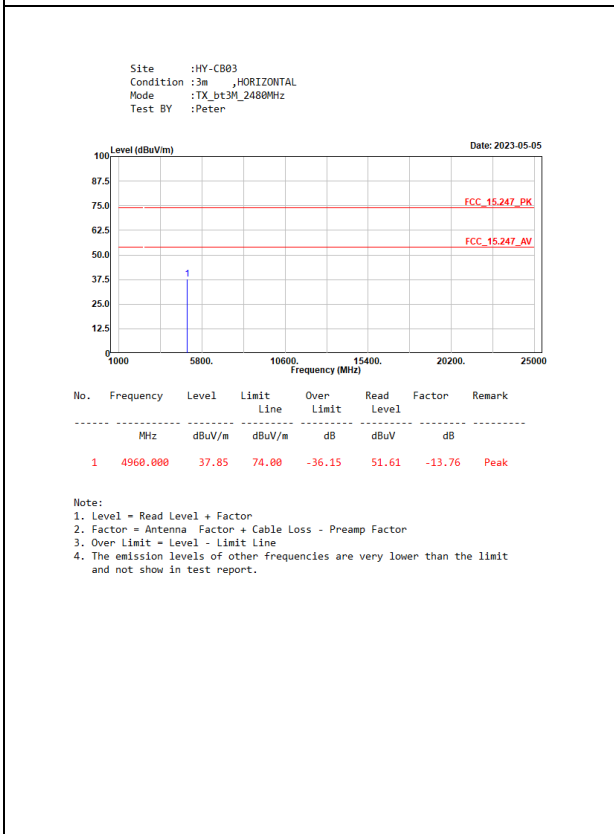
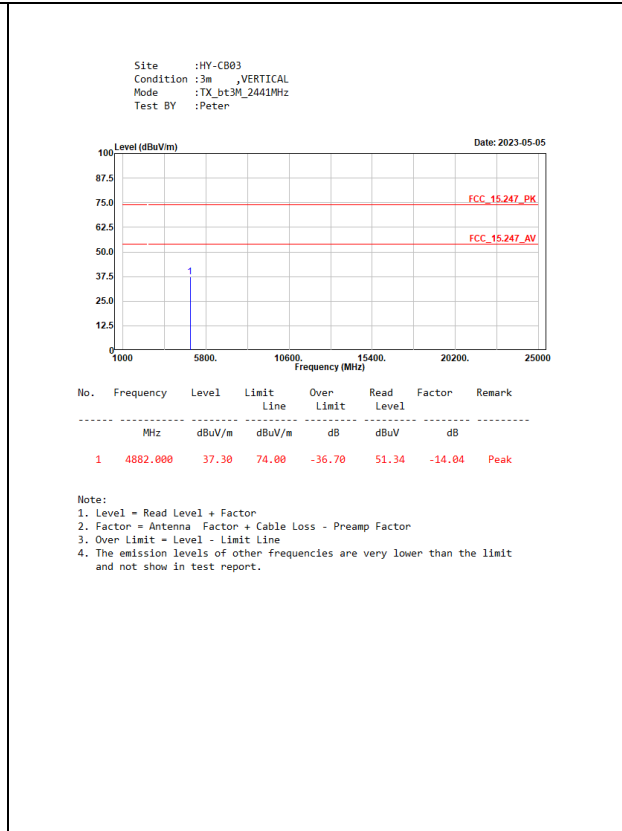
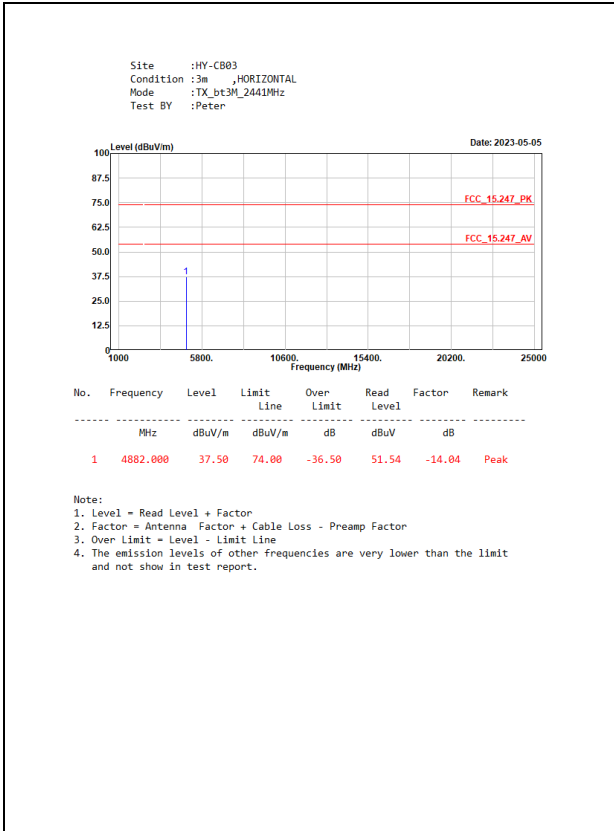
The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

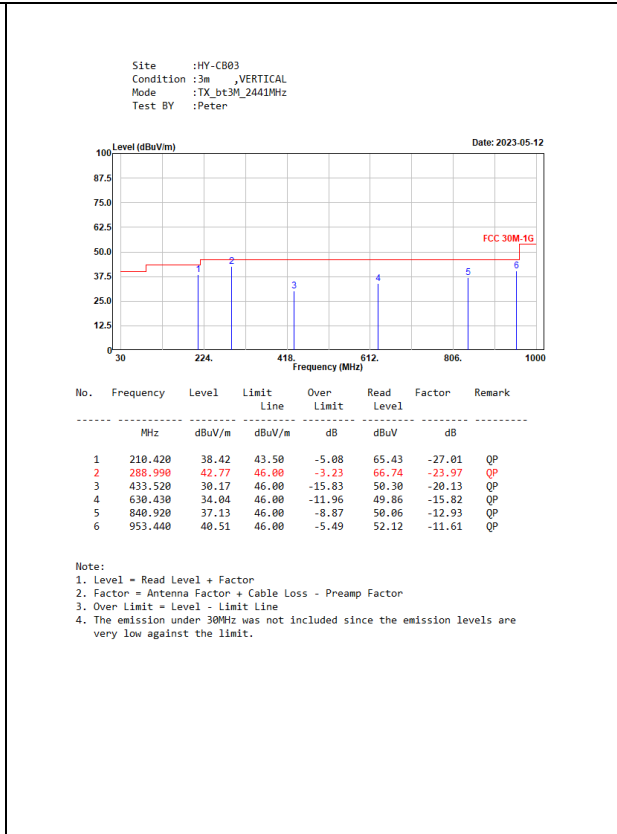
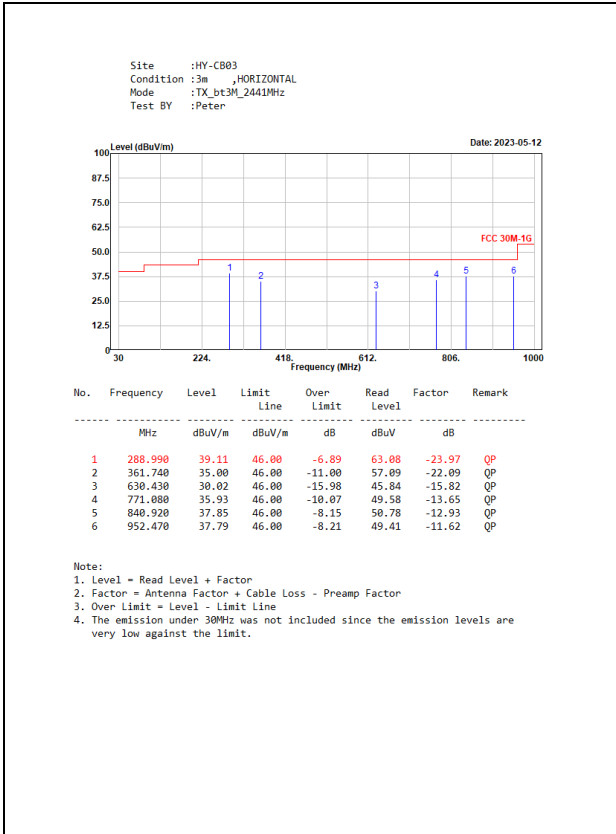
The measurement frequency range form 9 kHz - 10th Harmonic of fundamental was investigated.

### 3.4. Test Result of Radiated Emission





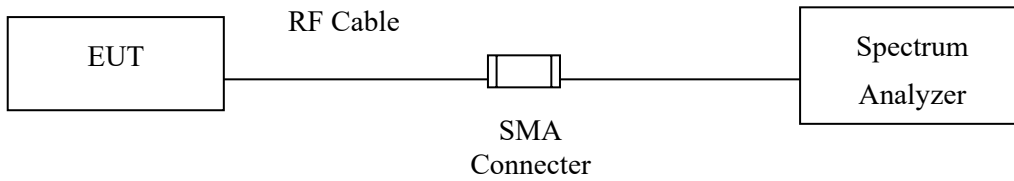




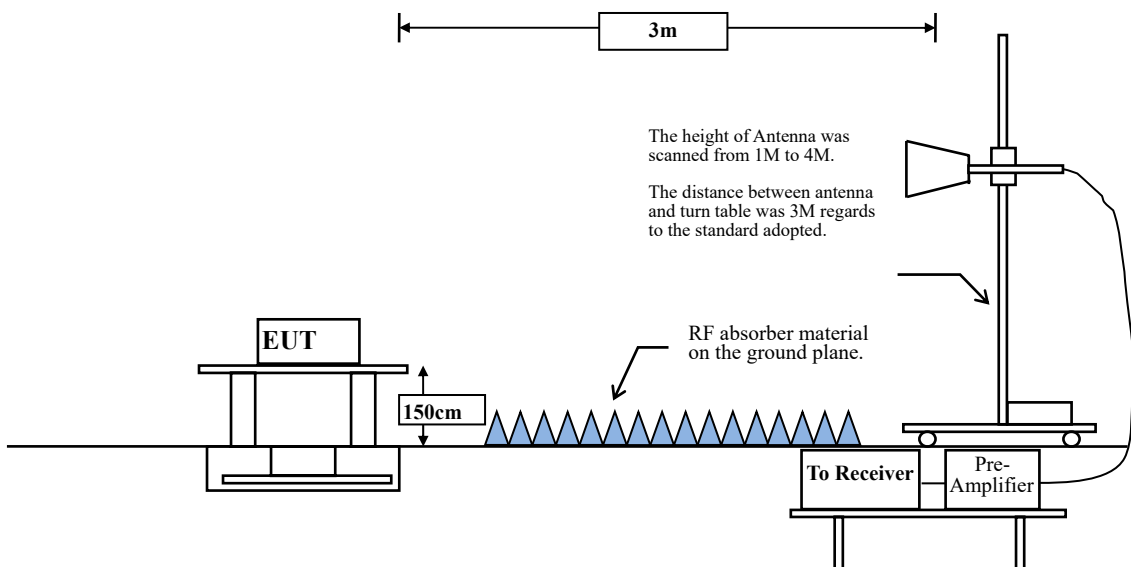
## 4. Band Edge

### 4.1. Test Setup

#### RF Conducted Measurement



#### RF Radiated Measurement:



#### 4.2. Limit

According to FCC Section 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 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, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

#### 4.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

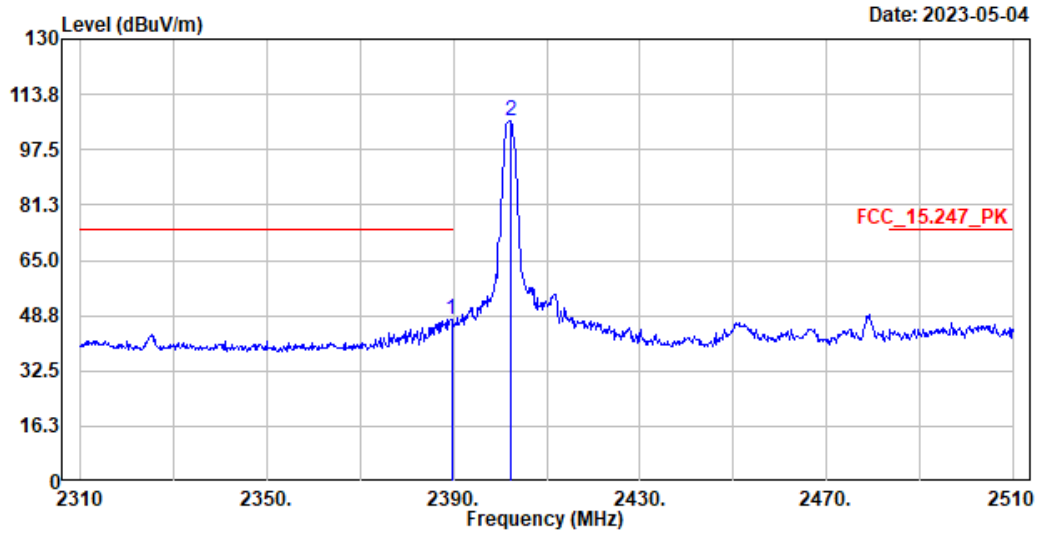
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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: 2013 on radiated measurement.

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

4.4. Test Result of Band Edge

Site :HY-CB03  
 Condition :3m ,Horizontal  
 Mode :TX\_bt1M\_2402MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.600	47.52	74.00	-26.48	40.58	6.94	Peak
2	2402.200	106.09	-----	-----	99.17	6.92	Peak

Note:

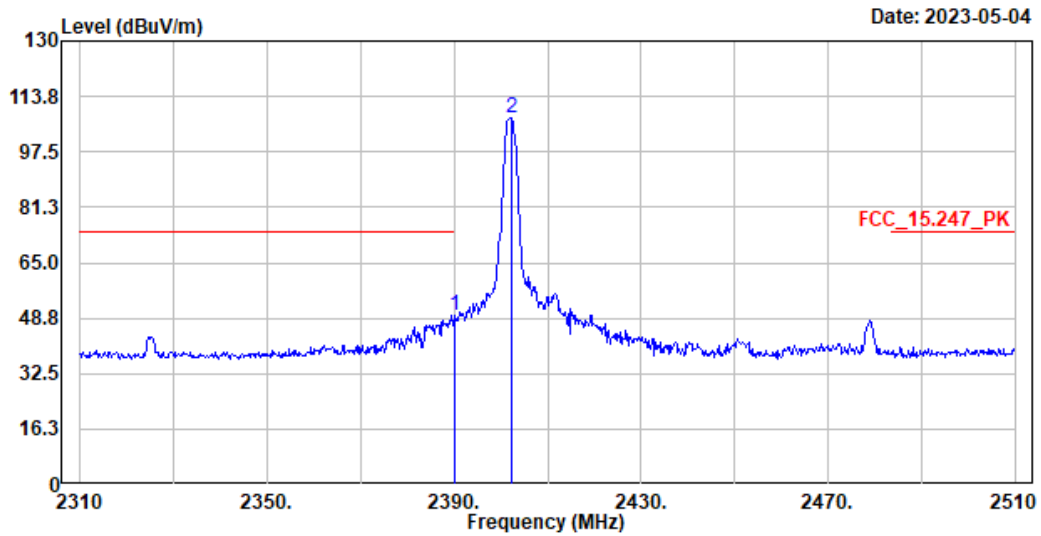
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Horizontal-Average Detector:**

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2389.6	47.52	-21.210	26.310	-27.690	54.000
2402.2	106.09	-21.210	84.880	--	--



Site :HY-CB03  
 Condition :3m ,Vertical  
 Mode :TX\_bt1M\_2402MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	49.76	74.00	-24.24	42.82	6.94	Peak
2	2402.200	107.51	-----	-----	100.59	6.92	Peak

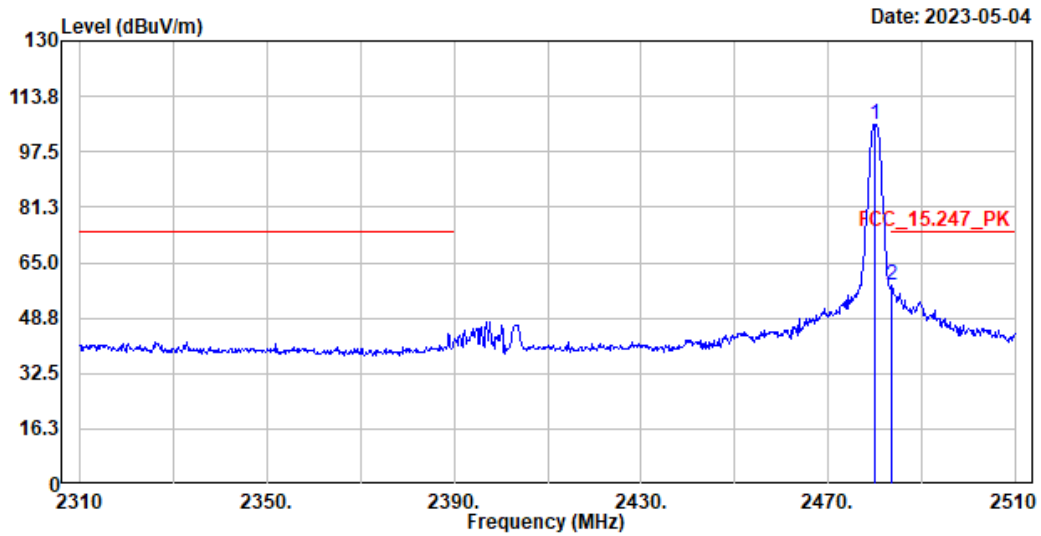
Note:

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)
2390	49.76	-21.210	28.550	-25.450	54.000
2402.2	107.51	-21.210	86.300	--	--

Site :HY-CB03  
 Condition :3m ,Horizontal  
 Mode :TX\_bt1M\_2480MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2480.000	105.32	-----	-----	98.42	6.90	Peak
2	2483.600	58.40	74.00	-15.60	51.50	6.90	Peak

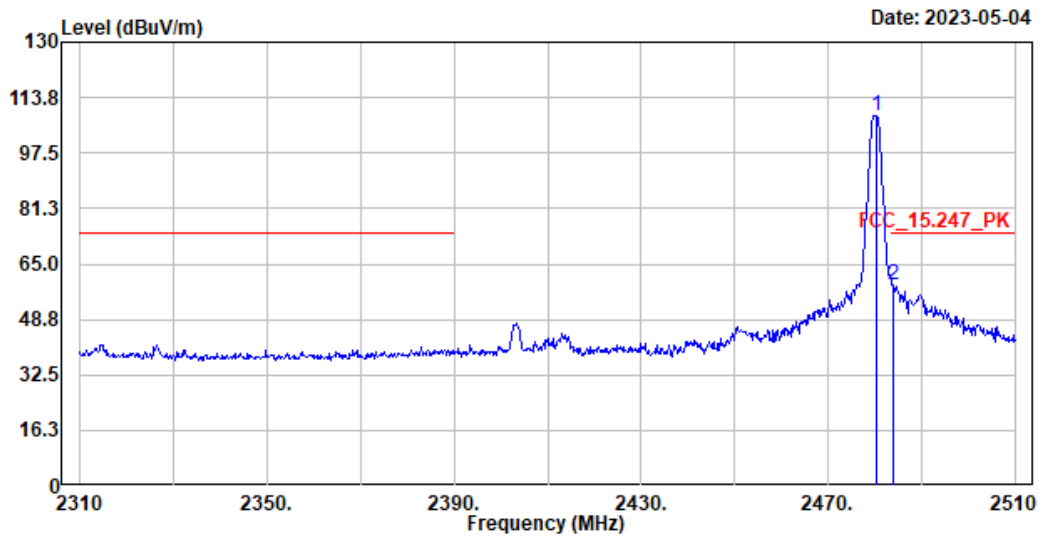
Note:

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)
2480	105.32	-21.210	84.110	--	--
2483.6	58.4	-21.210	37.190	-16.810	54.000

Site :HY-CB03  
 Condition :3m ,Vertical  
 Mode :TX\_bt1M\_2480MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2480.200	108.51	-----	-----	101.61	6.90	Peak
2	2484.000	58.90	74.00	-15.10	52.00	6.90	Peak

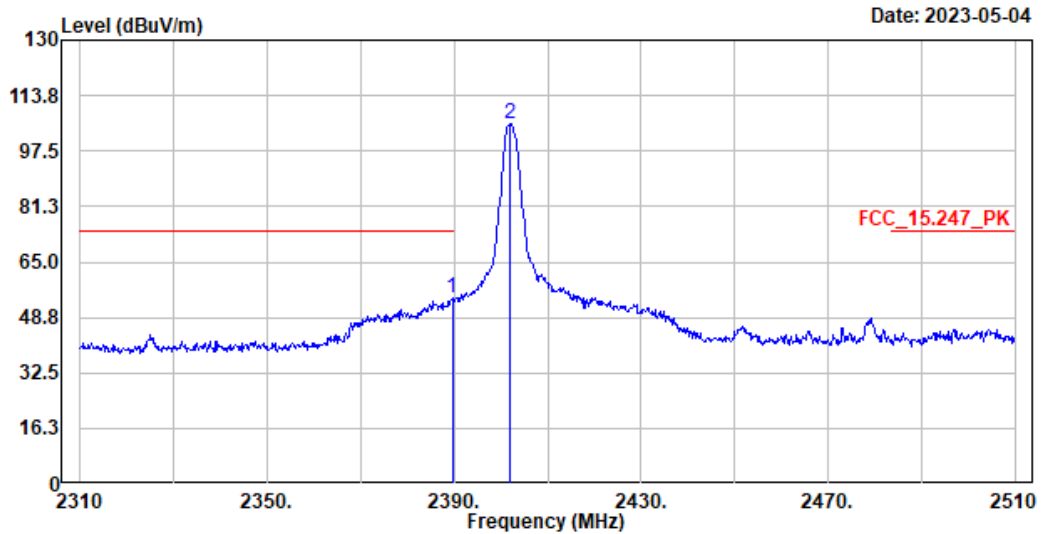
Note:

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)
2480.2	108.51	-21.210	87.300	--	--
2484	58.9	-21.210	37.690	-16.310	54.000

Site :HY-CB03  
 Condition :3m ,Horizontal  
 Mode :TX\_bt3M\_2402MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2389.600	54.46	74.00	-19.54	47.52	6.94	Peak
2	2402.000	105.36	-----	-----	98.44	6.92	Peak

Note:

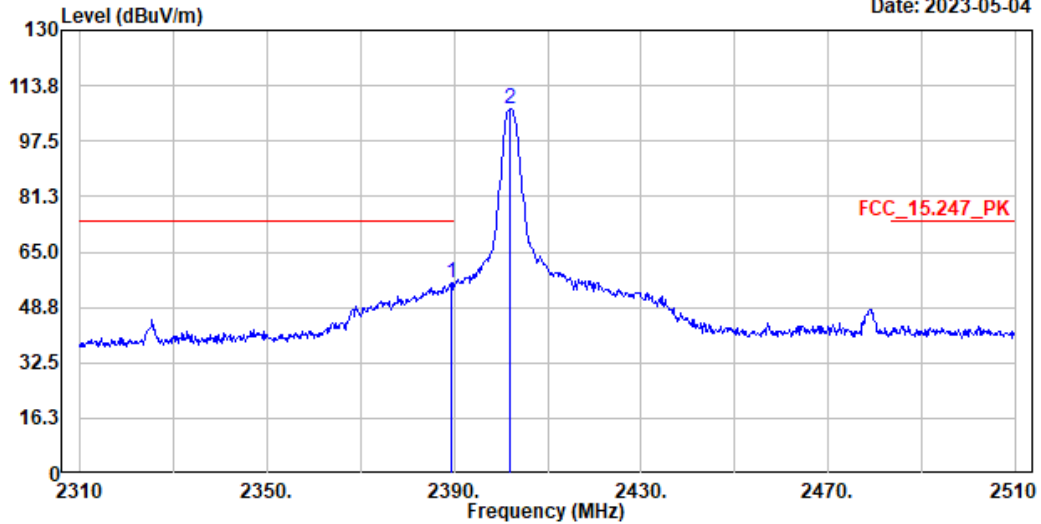
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Horizontal-Average Detector:**

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2389.6	54.46	-21.210	33.250	-20.750	54.000
2402	105.36	-21.210	84.150	--	--

Site :HY-CB03  
 Condition :3m ,Vertical  
 Mode :TX\_bt3M\_2402MHz  
 Test BY :Peter

Date: 2023-05-04



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.400	55.79	74.00	-18.21	48.85	6.94	Peak
2	2402.000	106.96	-----	-----	100.04	6.92	Peak

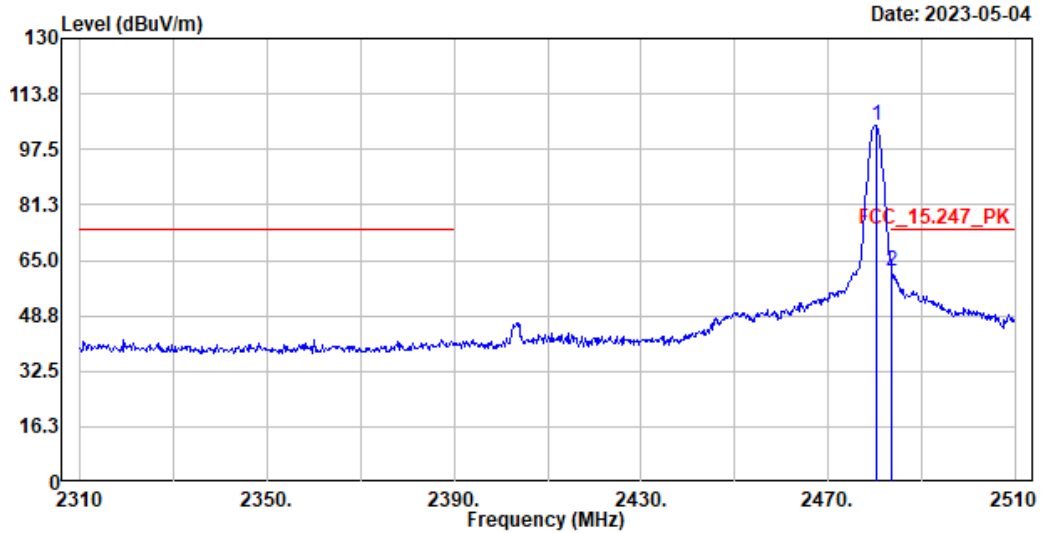
Note:

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)
2389.4	55.79	-21.210	34.580	-19.420	54.000
2402	106.96	-21.210	85.750	--	--

Site :HY-CB03  
 Condition :3m ,Horizontal  
 Mode :TX\_bt3M\_2480MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2480.200	104.37	-----	-----	97.47	6.90	Peak
2	2483.600	61.84	74.00	-12.16	54.94	6.90	Peak

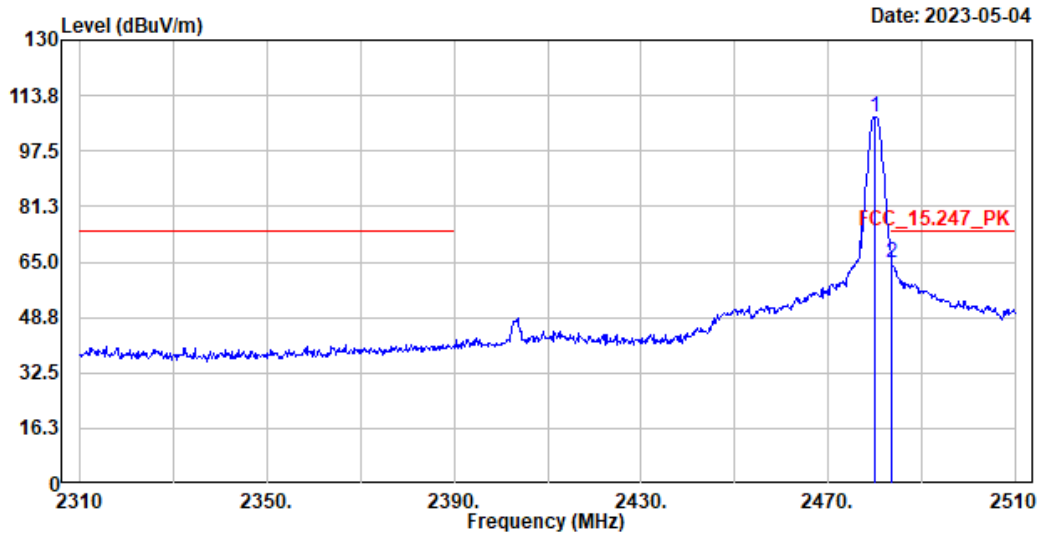
Note:

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)
2480.2	104.37	-21.210	83.160	--	--
2483.6	61.84	-21.210	40.630	-13.370	54.000

Site :HY-CB03  
 Condition :3m ,Vertical  
 Mode :TX\_bt3M\_2480MHz  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2480.000	107.52	-----	-----	100.62	6.90	Peak
2	2483.600	64.62	74.00	-9.38	57.72	6.90	Peak

Note:

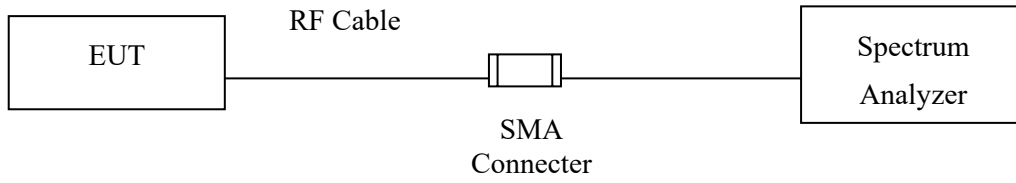
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Vertical-Average Detector:**

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2480	107.52	-21.210	86.310	--	--
2483.6	64.62	-21.210	43.410	-10.590	54.000

## 5. Duty Cycle

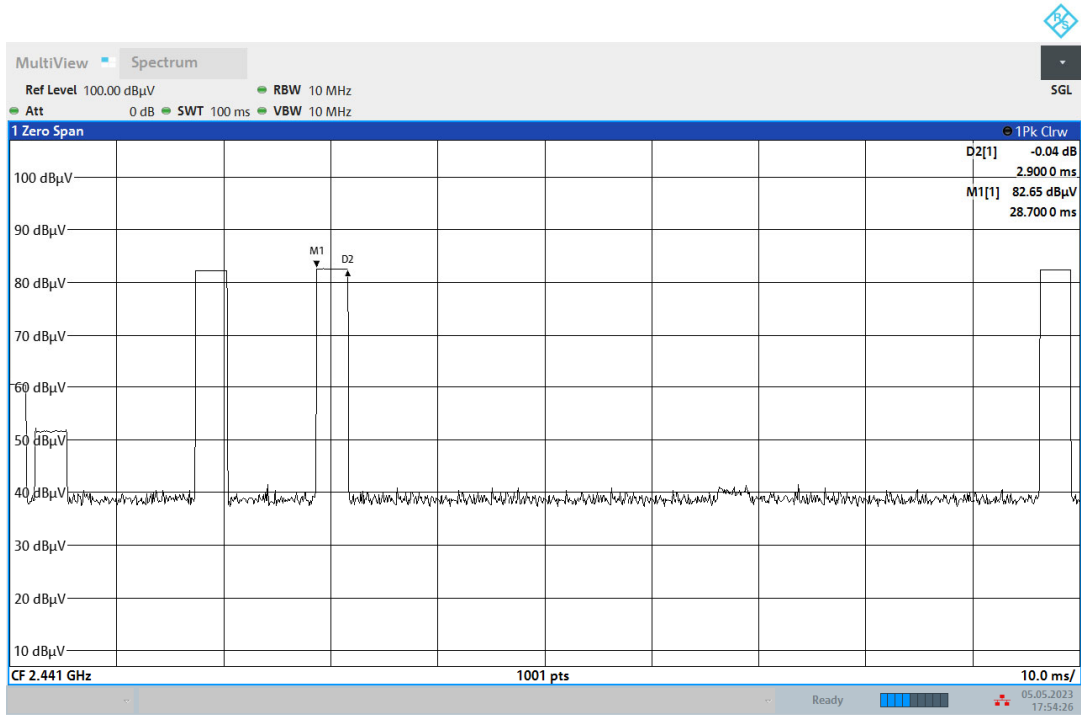
### 5.1. Test Setup





5.2. Test Result of Duty Cycle

Product : Intel® Wireless-AC 9260  
 Test Item : Duty Cycle Data  
 Test Mode : Transmit-1 Mbps

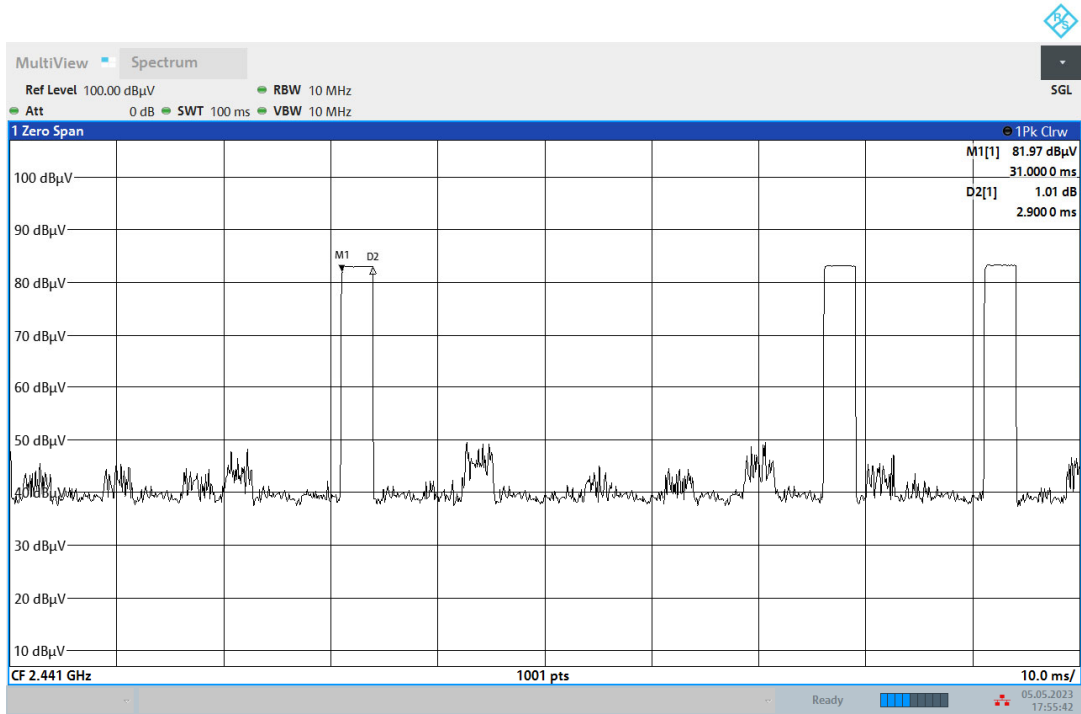


17:54:26 05.05.2023

Time on of 100ms = 8.7ms  
 Duty Cycle =  $8.7\text{ms} / 100\text{ms} = 0.087$   
 Duty Cycle correction factor =  $20 \text{ LOG } 0.087 = -21.210 \text{ dB}$

**Duty Cycle correction factor**      -21.210 dB

Product : Intel® Wireless-AC 9260  
 Test Item : Duty Cycle Data  
 Test Mode : Transmit-3 Mbps



17:55:42 05.05.2023

Time on of 100ms = 8.7ms  
 Duty Cycle =  $8.7\text{ms} / 100\text{ms} = 0.087$   
 Duty Cycle correction factor =  $20 \text{ LOG } 0.087 = -21.210 \text{ dB}$

**Duty Cycle correction factor**      -21.210 dB