



## Shenzhen Huaxia Testing Technology Co., Ltd.

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# TEST REPORT

**Report No.:** CQASZ20250601502E-01  
**Applicant:** Shenzhen Dayun Links Co., Ltd  
**Address of Applicant:** Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China  
**Equipment Under Test (EUT):**  
**Product:** Video Baby monitor  
**Model No.:** BM5G10L, BM5G09L, BM5G08L, BC-XPD, BC-XHR, BC-XXR, BM5R10L, BM5R09L, BM5R08L, SM530TX, L5514+C152, L5064+C137, L4114+C123, L4124+C124, L4184+C231, L5074+C138  
**Test Model No.:** SM530TX  
**Brand Name:** N/A  
**FCC ID:** 2ANBK-SM530TX  
**Standards:** 47 CFR Part 15, Subpart C  
KDB558074 D01 15.247 Meas Guidance v05r02  
ANSI C63.10:2013  
**Date of Receipt:** 2025-06-30  
**Date of Test:** 2025-06-30 to 2025-07-11  
**Date of Issue:** 2025-07-17  
**Test Result :** **PASS\***

\*In the configuration tested, the EUT complied with the standards specified above

**Tested By:** lewis zhou  
( Lewis Zhou )

**Reviewed By:** Timo Lei  
( Timo Lei )

**Approved By:** Jack Ai  
( Jack Ai )





Shenzhen Huaxia Testing Technology Co., Ltd.

Report No.: CQASZ20250601502E-01

## 1 Version

### Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250601502E-01	Rev.01	Initial report	2025-07-17

## 2 Test Summary

Test Item	Test Requirement	Test method	Result
<b>Antenna Requirement</b>	47 CFR Part 15.203	N/A	PASS
<b>AC Power Line Conducted Emission</b>	47 CFR Part 15.207	ANSI C63.10-2013	PASS
<b>Conducted Peak &amp; Average Output Power</b>	47 CFR Part 15.247	ANSI C63.10-2013	PASS
<b>6dB Occupied Bandwidth</b>	47 CFR Part 15.247	ANSI C63.10-2013	PASS
<b>Power Spectral Density</b>	47 CFR Part 15.247	ANSI C63.10-2013	PASS
<b>Band-edge for RF Conducted Emissions</b>	47 CFR Part 15.247	ANSI C63.10-2013	PASS
<b>RF Conducted Spurious Emissions</b>	47 CFR Part 15.247	ANSI C63.10-2013	PASS
<b>Radiated Spurious Emissions</b>	47 CFR Part 15.209	ANSI C63.10-2013	PASS
<b>Restricted bands around fundamental frequency (Radiated Emission)</b>	47 CFR Part 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

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## 4 General Information

### 4.1 Client Information

Applicant:	Shenzhen Dayun Links Co., Ltd
Address of Applicant:	Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Dayun Links Co., Ltd
Address of Manufacturer:	Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China
Factory:	Shenzhen Dayun Links Co., Ltd
Address of Factory:	Room 501, No.B Building 1, Bestda Medical DeviceBuilding, No.28, Nantong Avenue, Baolong Street, Longgang, Shenzhen, Guangdong, China

### 4.2 General Description of EUT

Product Name:	Video Baby monitor
Model No.:	BM5G10L, BM5G09L, BM5G08L, BC-XPD, BC-XHR, BC-XXR, BM5R10L, BM5R09L, BM5R08L, SM530TX, L5514+C152, L5064+C137, L4114+C123, L4124+C124, L4184+C231, L5074+C138
Test Model No.:	SM530TX
Trade Mark:	N/A
Software Version:	40052527
Hardware Version:	BMJL_TXXPD_MAIN_V1.0.0.4
Power Supply:	<p>Power supply DC5V form adapter</p> <p>Model:PS10UA050K2000UU</p> <p>Input:100-240V~50/60Hz 0.35A Max.</p> <p>Output:5V 2A 10W</p>
EUT Supports Radios application:	2.4GHz: Wi-Fi: 802.11b/g: 2412MHz~2462MHz;
Simultaneous Transmission	<input type="checkbox"/> Simultaneous TX is supported and evaluated in this report. <input checked="" type="checkbox"/> Simultaneous TX is not supported.

### 4.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11b/g: 2412MHz to 2462MHz
Channel Numbers:	IEEE 802.11b/g: 11 Channels
Channel Separation:	5MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK)
Transfer Rate:	<p>IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps</p> <p>IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps</p>
Product Type:	<input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable <input type="checkbox"/> Fix Location



Shenzhen Huaxia Testing Technology Co., Ltd.

Report No.: CQASZ20250601502E-01

Test Software of EUT:	FCC Assist
Antenna Type:	Copper tube antenna
Antenna Gain:	2.87dBi

Operation Frequency each of channel(802.11b/g)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

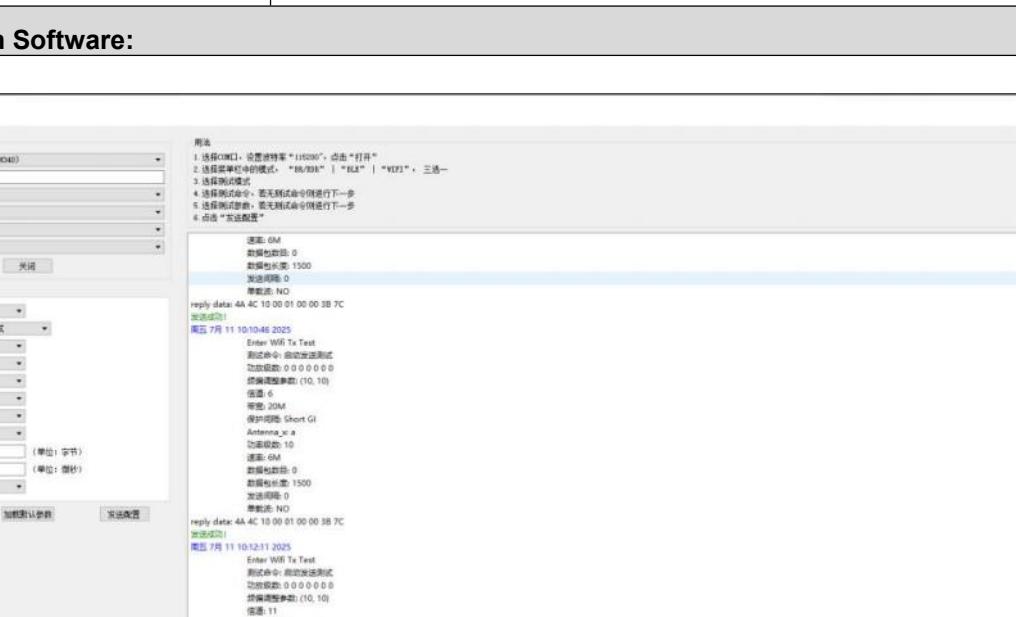
For 802.11b/g:

Channel	Frequency
The Lowest channel	2412MHz
The Middle channel	2437MHz
The Highest channel	2462MHz

Note:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

## 4.4 Test Environment and Mode

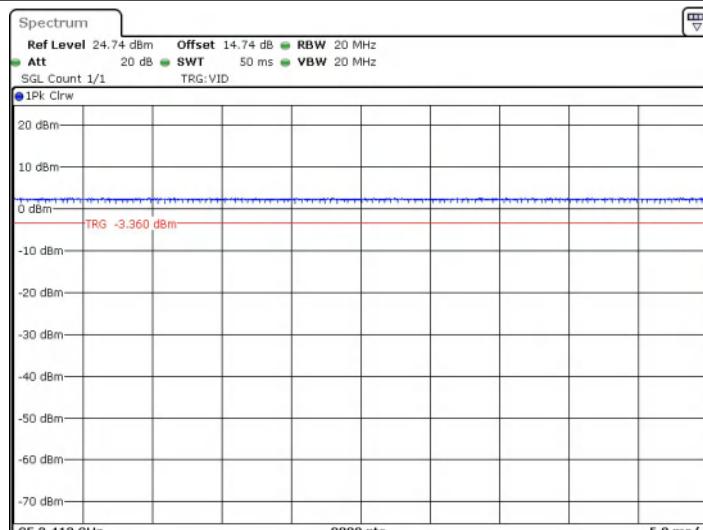
<b>Operating Environment:</b>	
<b>Radiated Emissions:</b>	
Temperature:	25.3 °C
Humidity:	55 % RH
Atmospheric Pressure:	1009 mbar
<b>Conducted Emissions:</b>	
Temperature:	25.6 °C
Humidity:	60 % RH
Atmospheric Pressure:	1009 mbar
<b>Radio conducted item test (RF Conducted test room):</b>	
Temperature:	25.5 °C
Humidity:	52 % RH
Atmospheric Pressure:	1009 mbar
<b>Test mode:</b>	
Transmitting mode:	EUT is set in RF test mode in all supported modulation types, bandwidth and data rate, etc.
EUT Power level:	Class10
<b>Run Software:</b>	
 <p>The screenshot shows the FCC Assist 1.1.8 software interface. The left pane displays '端口设置' (Port Settings) with options for port (COM1), baud rate (115200), data bits (8), parity (None), and stop bits (1). The right pane shows a log window with the following text:</p> <pre>     1. 选择COM1，设置波特率“115200”，点击“打开”     2. 选择菜单栏中的模式：“WIFI/BL”   “校准”   “WIFI”，三选一     3. 选择测试命令     4. 选择测试命令，若无测试命令则进行下一步     5. 选择测试参数，若无测试参数则进行下一步     6. 点击“发送设置”     测试: 6M     数据包数量: 0     数据包长度: 1500     发送间隔: 0     单数据: NO     reply data: 4A 4C 10 00 01 00 00 38 7C     发送成功!     周五 7月 11 10:10:46 2025     Enter WiFi Tx Test     测试命令: WiFi发送测试     功率级数: 0 0 0 0 0 0     调制速率参数: (10, 10)     速率: 6     带宽: 20M     保护间隔: Short GI     Antenna_x: a     功率级数: 10     速率: 6M     调制速率参数: 0     数据包长度: 1500     发送间隔: 0     单数据: NO     reply data: 4A 4C 10 00 01 00 00 38 7C     发送成功!     周五 7月 11 10:12:11 2025     Enter WiFi Tx Test     测试命令: WiFi发送测试     功率级数: 0 0 0 0 0 0     调制速率参数: (10, 10)     速率: 11     带宽: 20M     保护间隔: Short GI     Antenna_x: a     功率级数: 10     速率: 6M     调制速率参数: 0     数据包长度: 1500     发送间隔: 0     单数据: NO     reply data: 4A 4C 10 00 01 00 00 38 7C     发送成功!   </pre>	

<b>Operated Mode for Worst Duty Cycle:</b>				
Test Mode	On time [Ton] (ms)	Period [Ttotal] ms)	Duty Cycle(%)	Average correction factor(dB)
IEEE802.11b	/	/	100	/
IEEE802.11g	/	/	100	/

**Remark:**

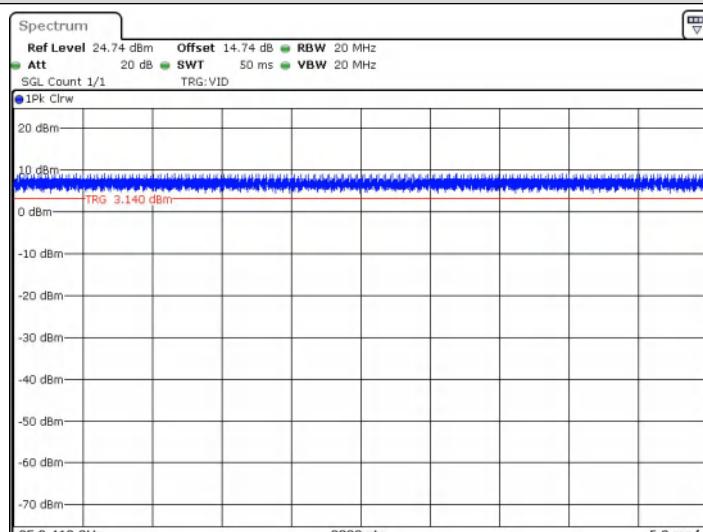
- 1) Duty cycle= On Time/ Period;
- 2) Duty Cycle factor =  $10 * \log(1/ \text{Duty cycle})$ ;

## Test Graph\_IEEE802.11b Duty Cycle:



Date: 11.JUL.2025 10:45:49

## Test Graph\_IEEE802.11g Duty Cycle:



Date: 11.JUL.2025 10:50:21

## 4.5 Description of Support Units

The EUT has been tested with associated equipment below.

### 1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

### 2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/

## 4.6 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua New District, Shenzhen, Guangdong, China

## 4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

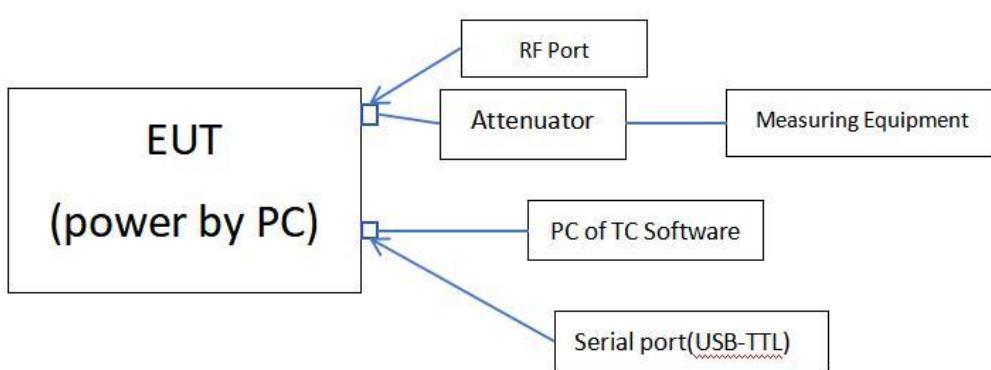
### • A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

### • FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

## 4.8 Test configuration



## 4.9 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	5.12dB	(1)
2	Radiated Emission (Above 1GHz)	4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	3.34dB	(1)
4	Radio Frequency	$3 \times 10^{-8}$	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8°C	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	Frequency Error	5.5 Hz	(1)

(1)This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 4.10 Deviation from Standards

None.

## 4.11 Abnormalities from Standard Conditions

None.

## 4.12 Other Information Requested by the Customer

None.

## 4.13 Equipment List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU26	CQA-038	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU40	CQA-075	2024/9/2	2025/9/1
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2024/9/2	2025/9/1
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2024/9/2	2025/9/1
Preamplifier	EMCI	EMC184055SE	CQA-089	2024/9/2	2025/9/1
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2023/9/8	2026/9/7
Bilog Antenna	R&S	HL562	CQA-011	2023/11/01	2026/10/31
Horn Antenna	R&S	HF906	CQA-012	2023/11/01	2026/10/31
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2023/9/7	2026/9/6
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2024/9/2	2025/9/1
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2024/9/2	2025/9/1
Antenna Connector	CQA	RFC-01	CQA-080	2024/9/2	2025/9/1
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2024/9/2	2025/9/1
Power meter	R&S	NRVD	CQA-029	2024/9/2	2025/9/1
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2024/9/2	2025/9/1
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
LISN	R&S	ENV216	CQA-003	2024/9/2	2025/9/1
Coaxial cable	CQA	N/A	CQA-C009	2024/9/2	2025/9/1
DC power	KEYSIGHT	E3631A	CQA-028	2024/9/2	2025/9/1

Test software:

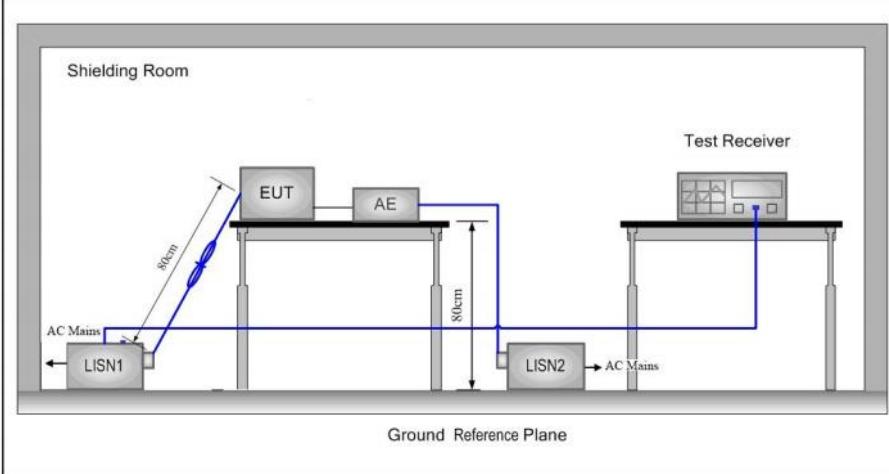
	Manufacturer	Software brand	Software version
Radiated Emissions test software	Tonscend	JS1120-3	Version:8
Conducted Emissions test software	Audix	e3	Version:9
RF Conducted test software	Audix	e3	V3.5.39

## 5 Test results and Measurement Data

### 5.1 Antenna Requirement

<b>Standard requirement:</b>	47 CFR Part 15C Section 15.203 /247(c)
15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
<b>EUT Antenna:</b>	
The antenna is Copper tube antenna. The connection/connection type between the antenna to the EUT's antenna port is: unique coupling. This is either permanently attachment or a unique coupling that satisfies the requirement.	

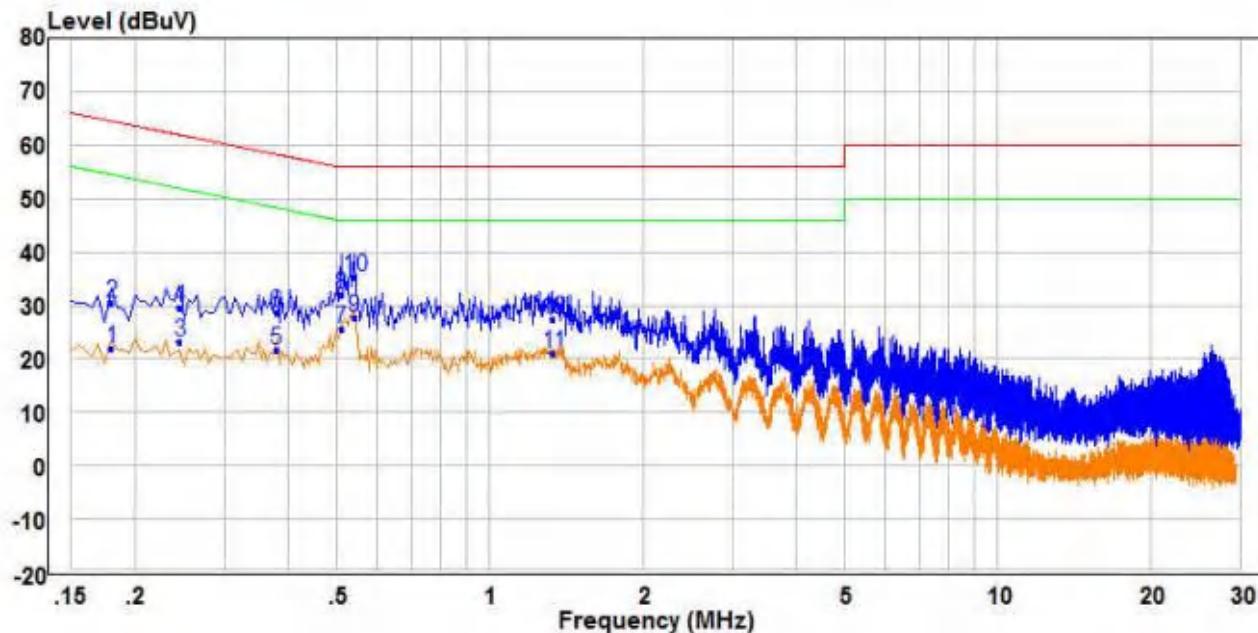
## 5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Limit:	Frequency range (MHz)		Limit (dBuV)
			Quasi-peak      Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test Procedure:	<ol style="list-style-type: none"> <li>1) The mains terminal disturbance voltage test was conducted in a shielded room.</li> <li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a <math>50\Omega/50\mu\text{H} + 5\Omega</math> linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</li> <li>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</li> <li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li> <li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</li> </ol>		
Test Setup:			

Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate of 802.11b at middle channel is the worst case. Only the worst case is recorded in the report.
Test Voltage:	AC120V/60Hz
Test Results:	Pass

**Measurement Data**

Live Line:

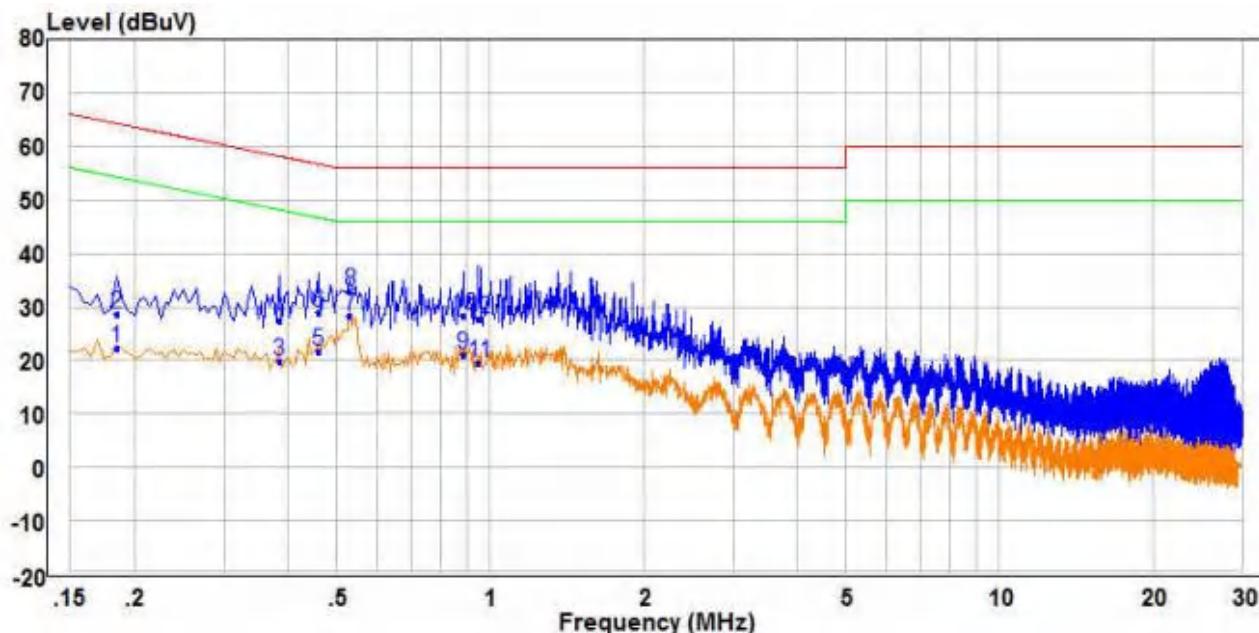


Freq	Read	Factor	Level	Limit	Over	Remark	Pol/Phase
	MHz			dBuV	dB		
1	0.180	12.42	9.64	22.06	54.49	-32.43	Average
2	0.180	20.76	9.64	30.40	64.49	-34.09	QP
3	0.245	13.61	9.55	23.16	51.92	-28.76	Average
4	0.245	20.04	9.55	29.59	61.92	-32.33	QP
5	0.380	12.10	9.59	21.69	48.28	-26.59	Average
6	0.380	18.94	9.59	28.53	58.28	-29.75	QP
7	0.510	15.85	9.71	25.56	46.00	-20.44	Average
8	0.510	22.35	9.71	32.06	56.00	-23.94	QP
9 PP	0.540	18.11	9.74	27.85	46.00	-18.15	Average
10 QP	0.540	25.63	9.74	35.37	56.00	-20.63	QP
11	1.330	10.57	10.50	21.07	46.00	-24.93	Average
12	1.330	16.94	10.50	27.44	56.00	-28.56	QP

**Remark:**

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral Line:

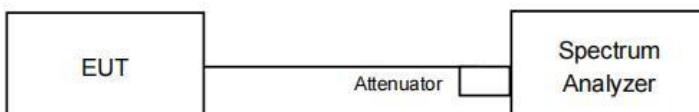


Freq	Read		Level	Limit	Over	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.185	12.50	9.63	22.13	54.26	-32.13	Average		Neutral
2	0.185	19.15	9.63	28.78	64.26	-35.48	QP		Neutral
3	0.385	10.35	9.59	19.94	48.17	-28.23	Average		Neutral
4	0.385	17.71	9.59	27.30	58.17	-30.87	QP		Neutral
5	0.460	11.91	9.66	21.57	46.69	-25.12	Average		Neutral
6	0.460	19.27	9.66	28.93	56.69	-27.76	QP		Neutral
7 PP	0.530	18.55	9.73	28.28	46.00	-17.72	Average		Neutral
8 QP	0.530	23.03	9.73	32.76	56.00	-23.24	QP		Neutral
9	0.885	11.25	9.78	21.03	46.00	-24.97	Average		Neutral
10	0.885	18.57	9.78	28.35	56.00	-27.65	QP		Neutral
11	0.950	9.95	9.73	19.68	46.00	-26.32	Average		Neutral
12	0.950	18.04	9.73	27.77	56.00	-28.23	QP		Neutral

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

### 5.3 Conducted Peak & Average Output Power

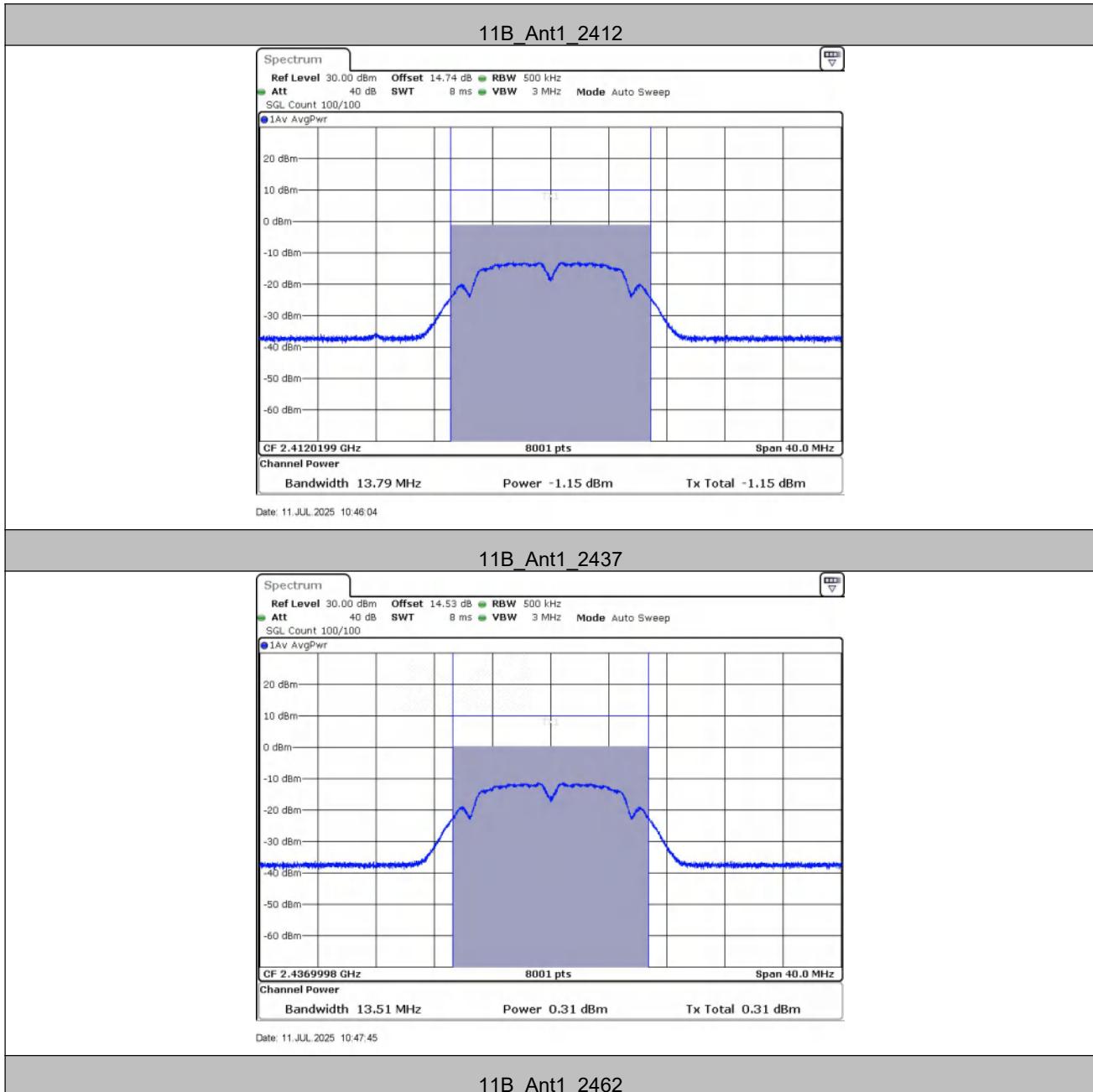
Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	ANSI C63.10: 2013
Test Setup:	<p><i>Setup for Power meter measurement method</i></p>  <p><i>Setup for Spectrum analyser measurement method</i></p> 
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	30dBm
Test Results:	Pass

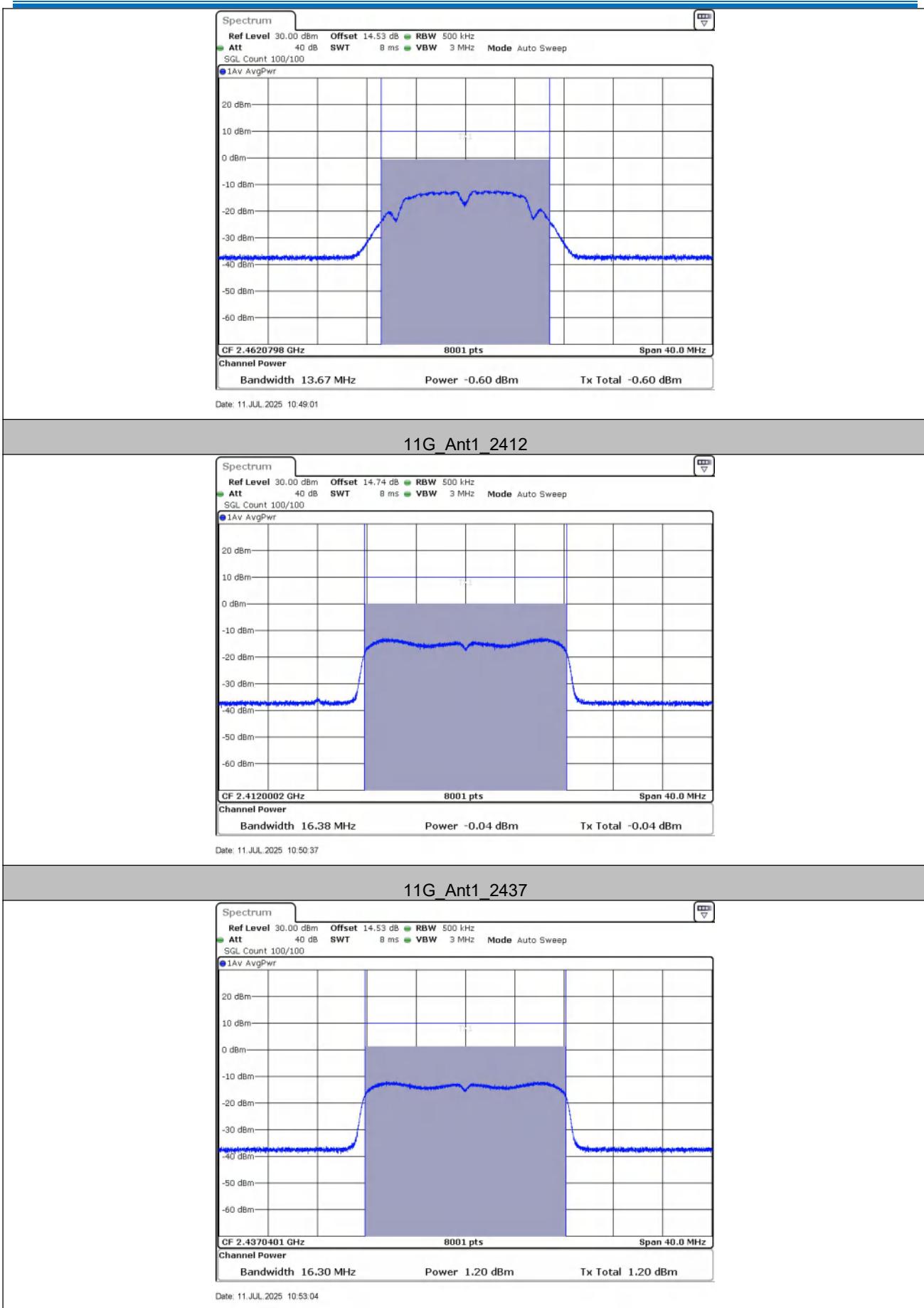
**Test Result**

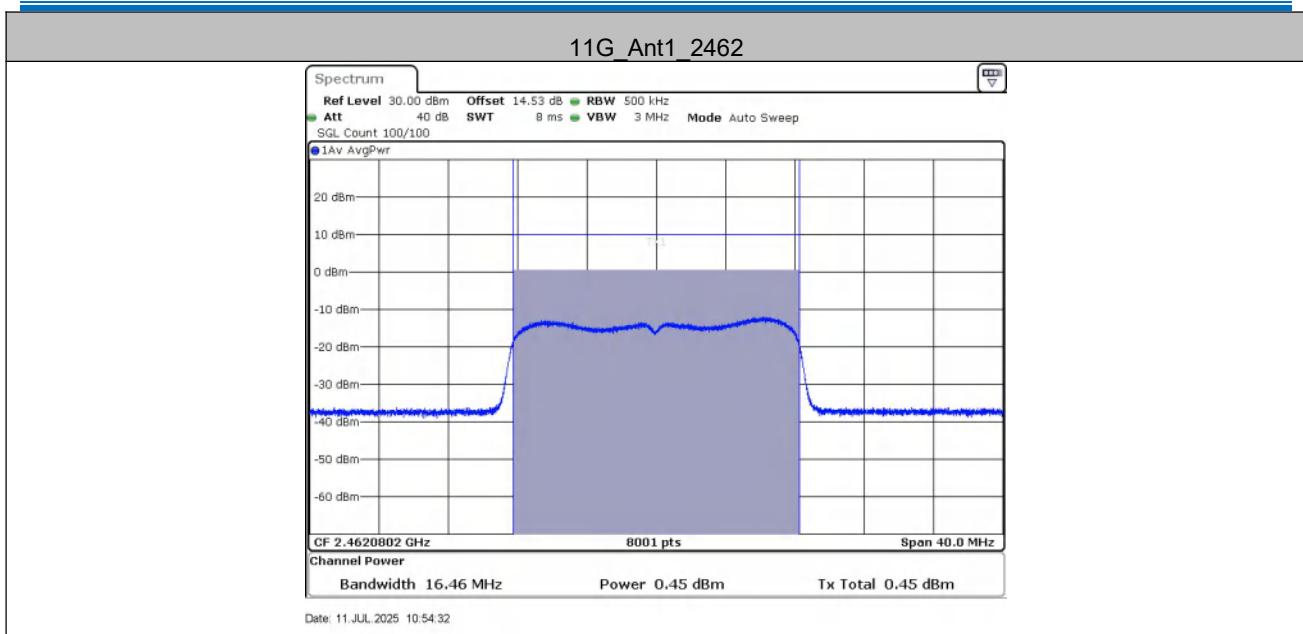
Test Mode	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	-1.15	≤30.00	PASS
	2437	0.31	≤30.00	PASS
	2462	-0.60	≤30.00	PASS
11G	2412	-0.04	≤30.00	PASS
	2437	1.20	≤30.00	PASS
	2462	0.45	≤30.00	PASS

Note: Duty cycle correction factor details please see section 4.4.

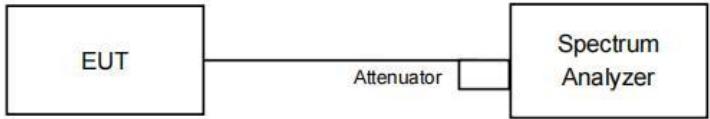
When Duty cycle >98%, D.C.F is not required.

**Test Graphs**





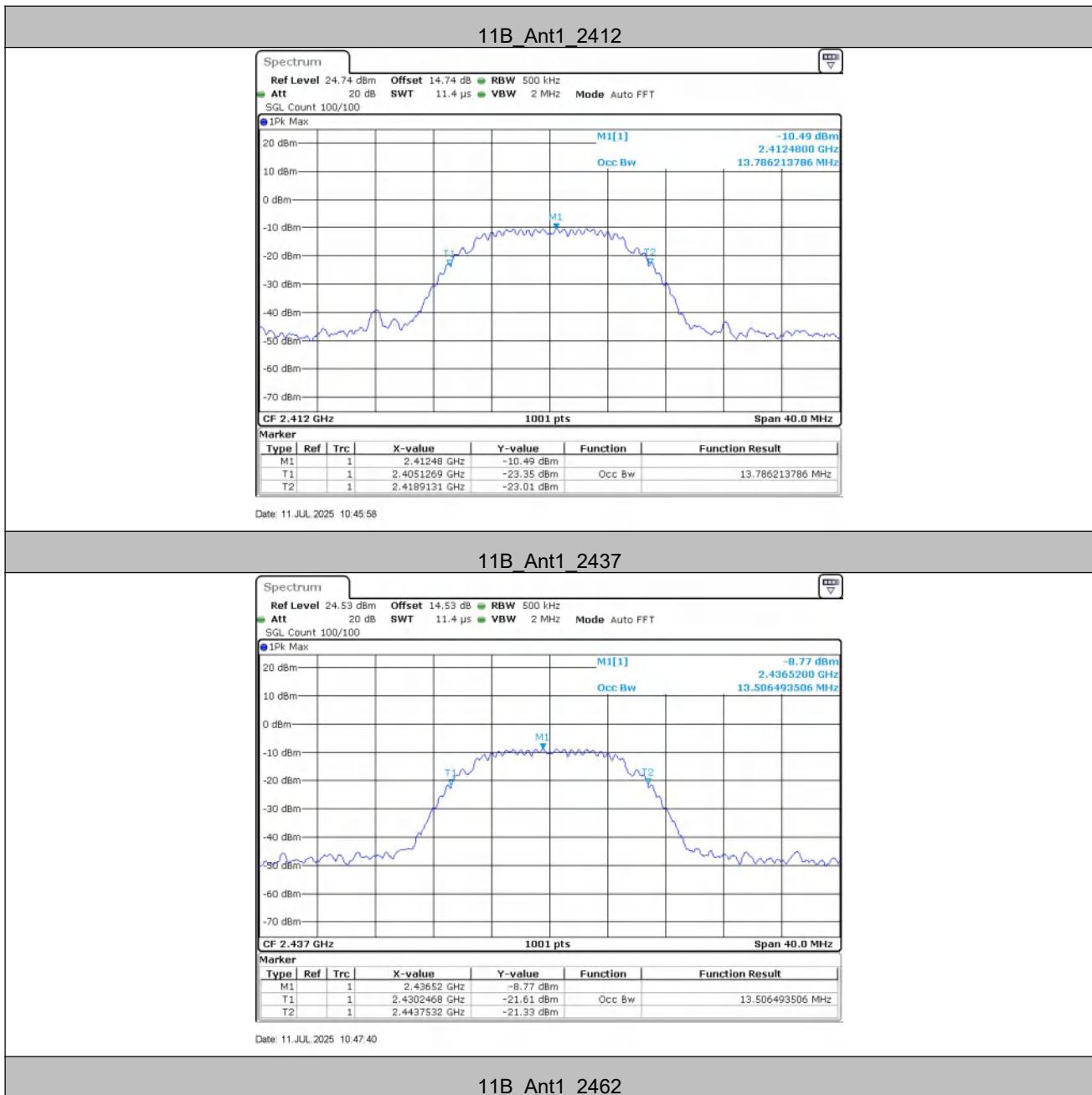
## 5.4 99% Occupied Bandwidth

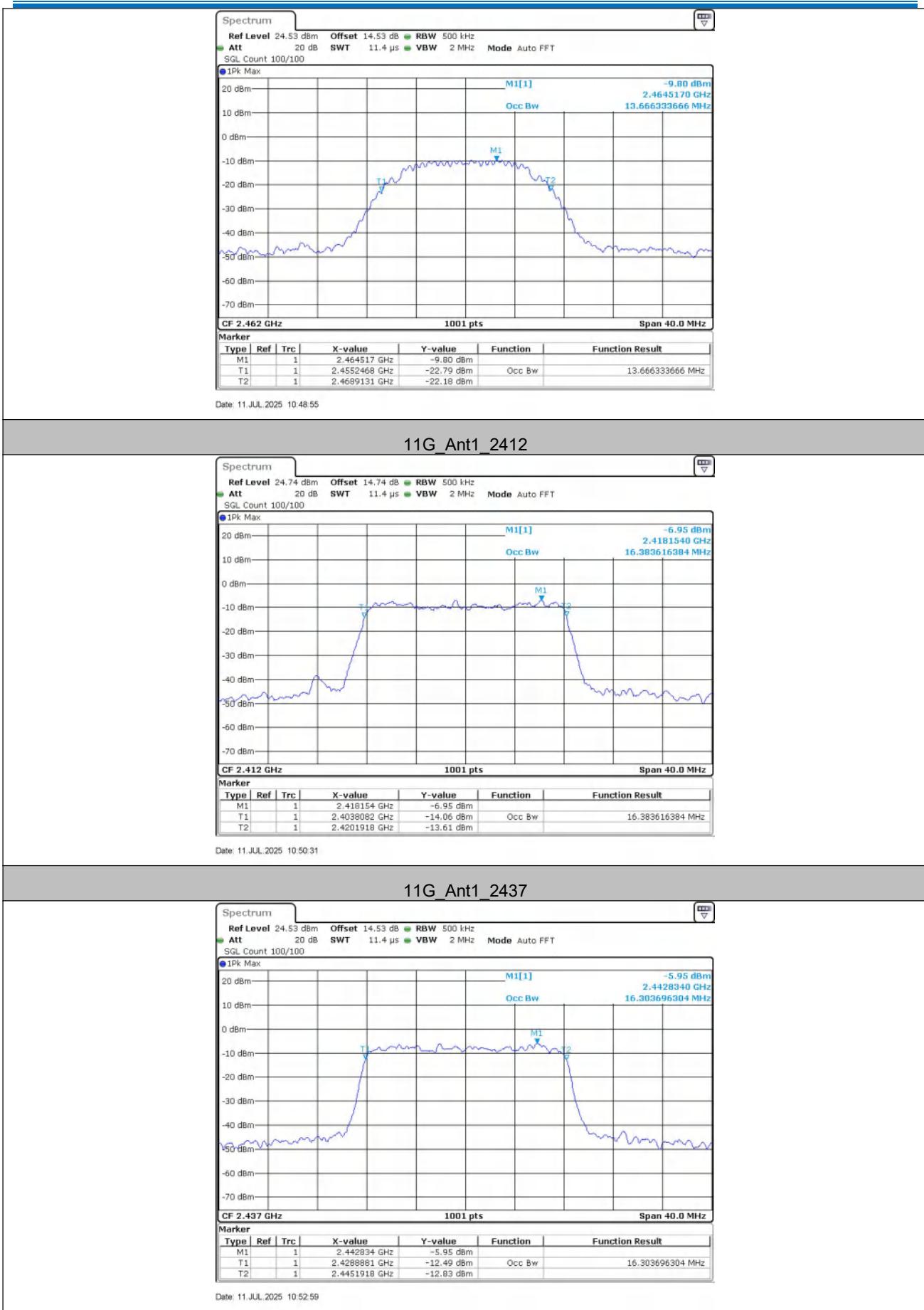
Test Requirement:	47 CFR Part 15C
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>Offset=cable loss+ attenuation factor</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

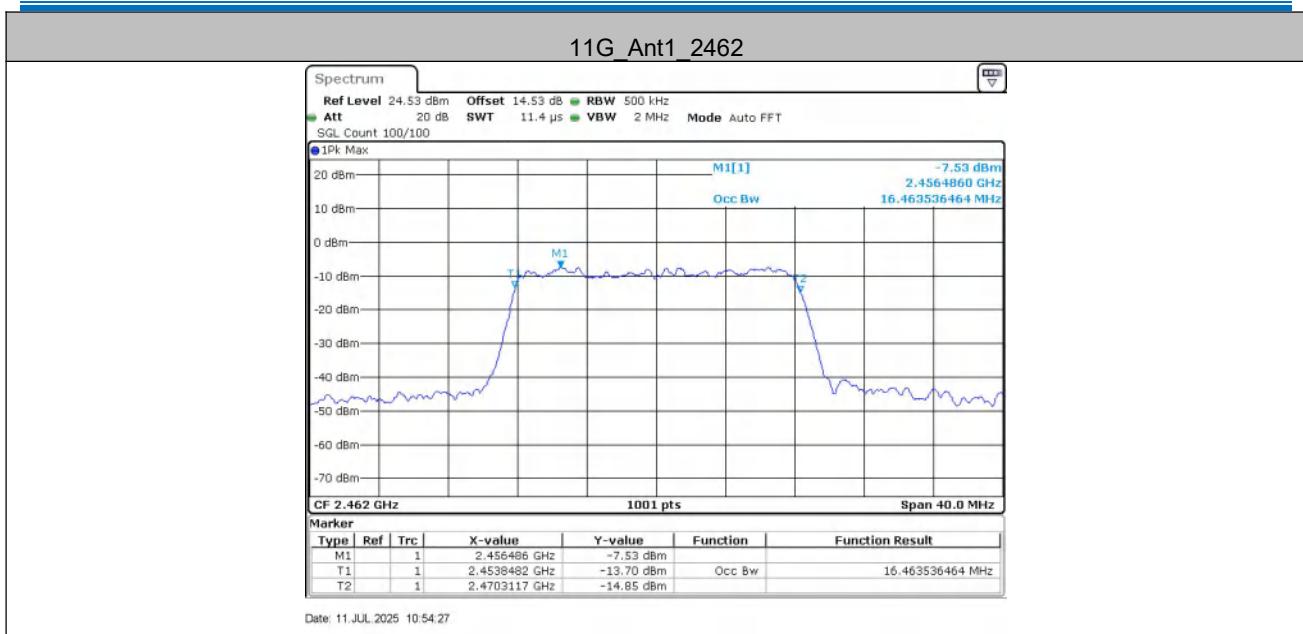
**Test Result**

TestMode	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	2412	13.786	2405.1269	2418.9131
	2437	13.506	2430.2468	2443.7532
	2462	13.666	2455.2468	2468.9131
11G	2412	16.384	2403.8082	2420.1918
	2437	16.304	2428.8881	2445.1918
	2462	16.464	2453.8482	2470.3117

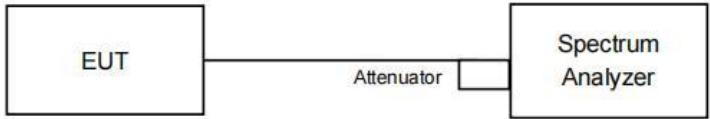
## Test Graphs







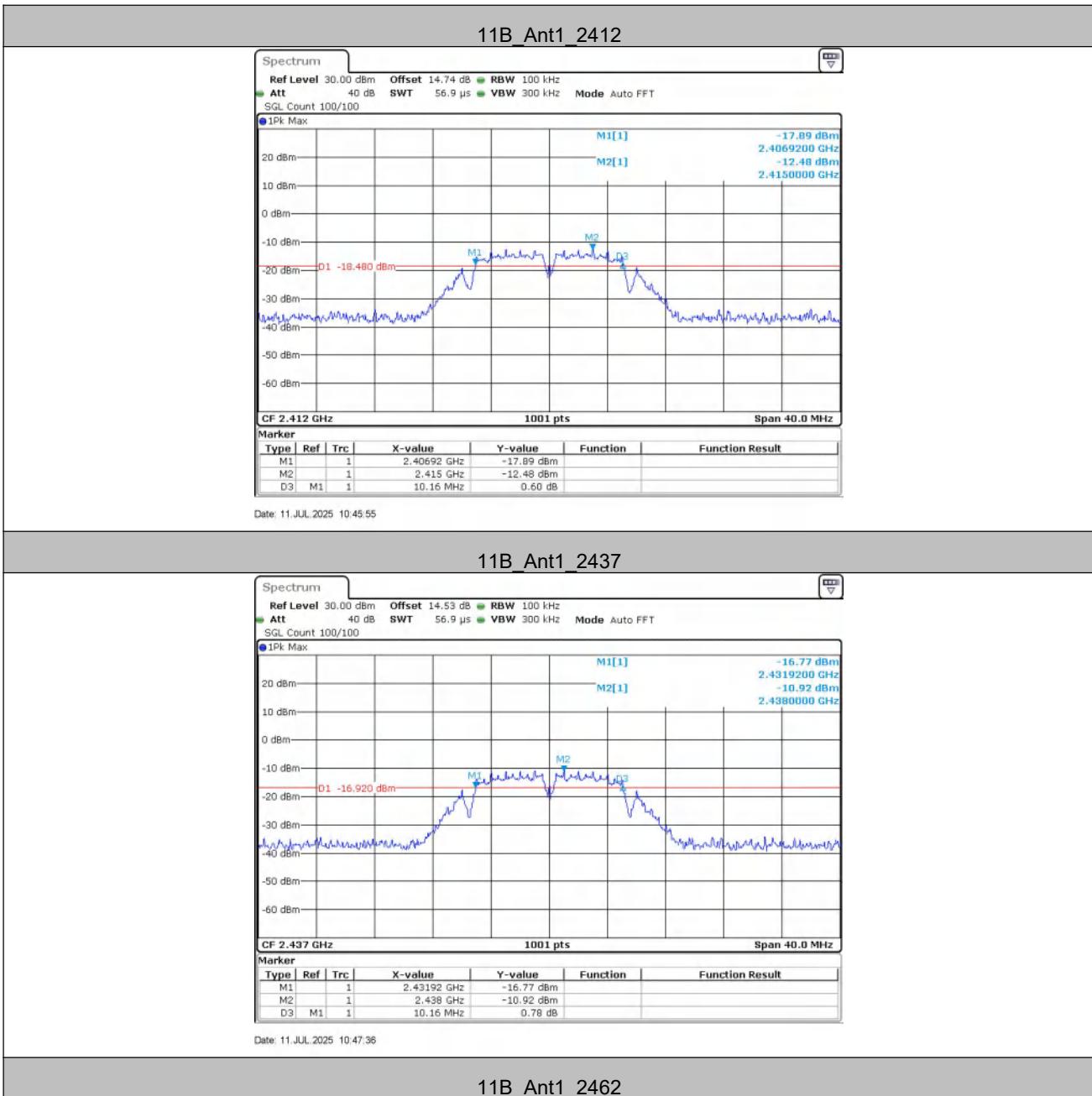
## 5.5 6dB Occupied Bandwidth

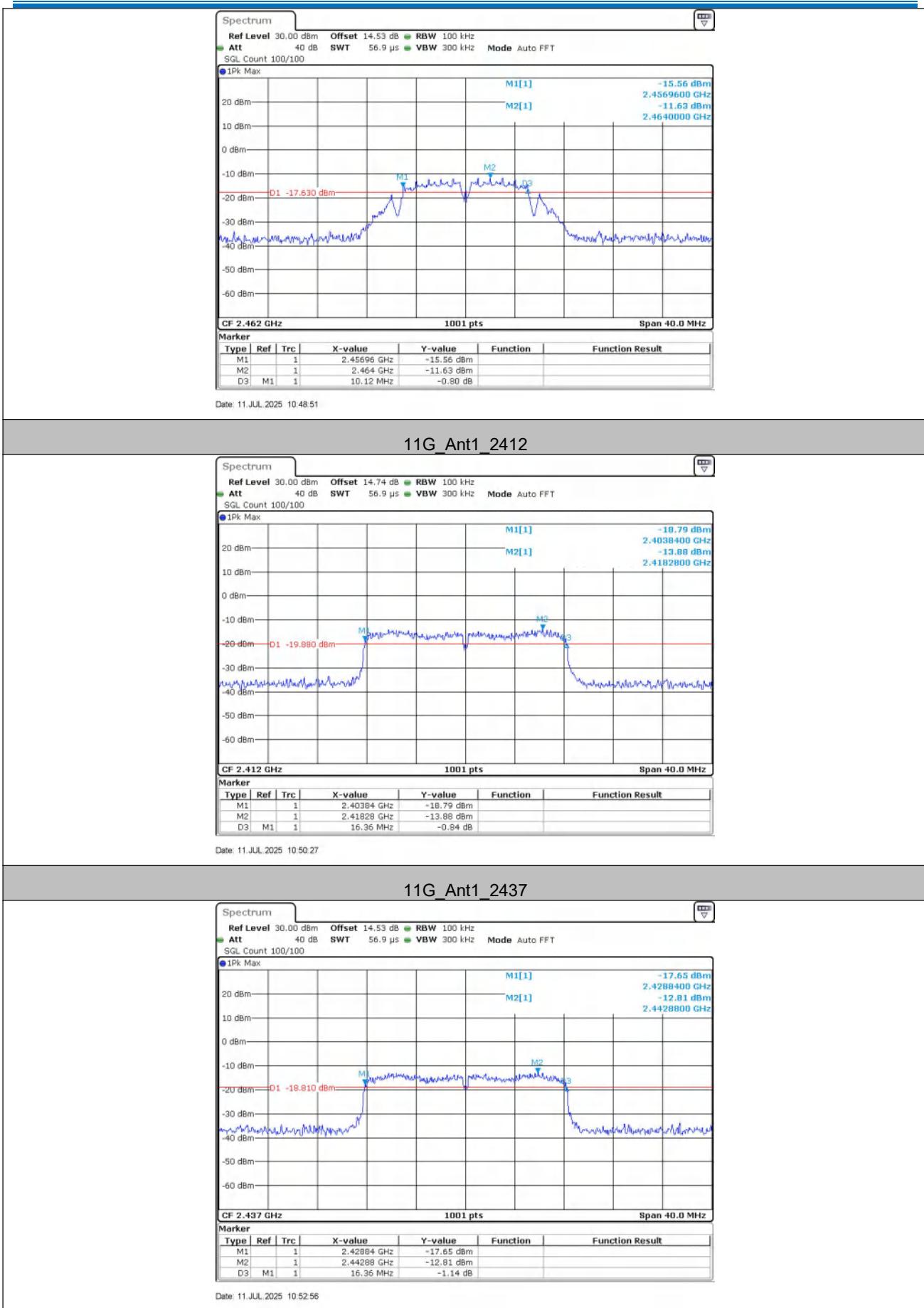
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>Offset=cable loss+ attenuation factor</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	$\geq 500$ kHz
Test Results:	Pass

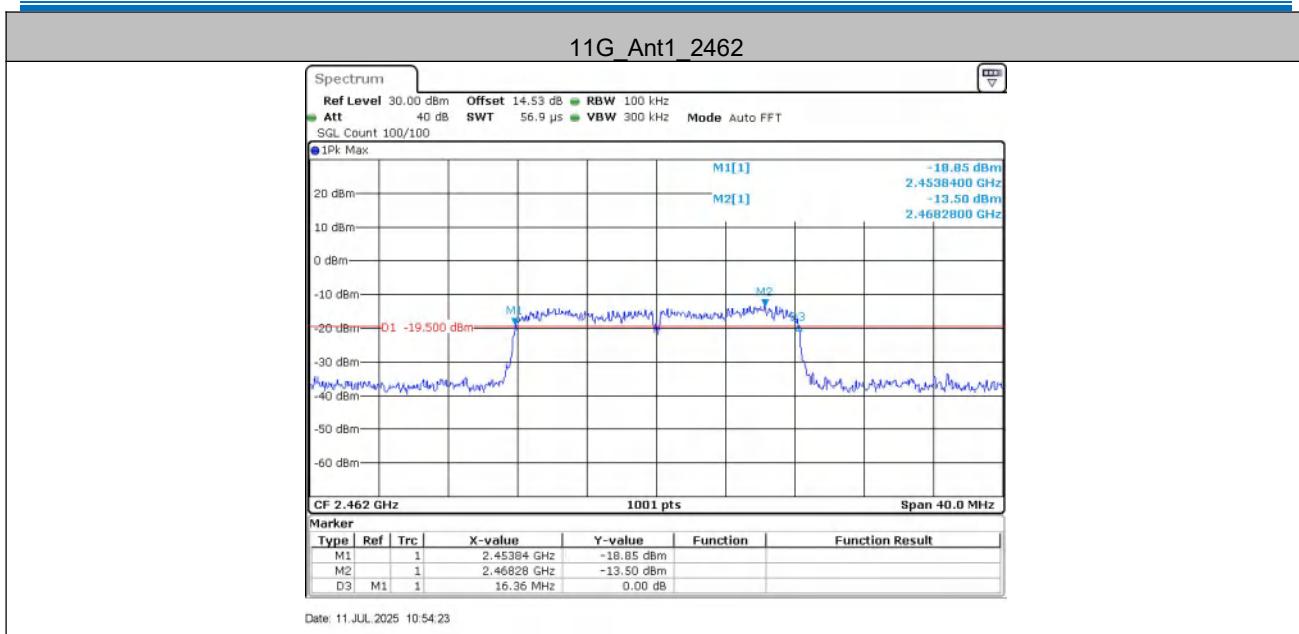
**Test Result**

TestMode	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	2412	10.16	2406.92	2417.08	0.5	PASS
	2437	10.16	2431.92	2442.08	0.5	PASS
	2462	10.12	2456.96	2467.08	0.5	PASS
11G	2412	16.36	2403.84	2420.20	0.5	PASS
	2437	16.36	2428.84	2445.20	0.5	PASS
	2462	16.36	2453.84	2470.20	0.5	PASS

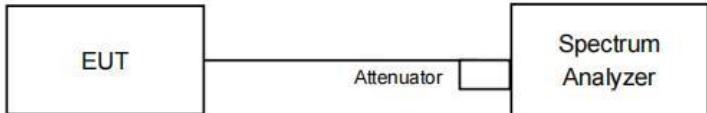
## Test Graphs







## 5.6 Power Spectral Density

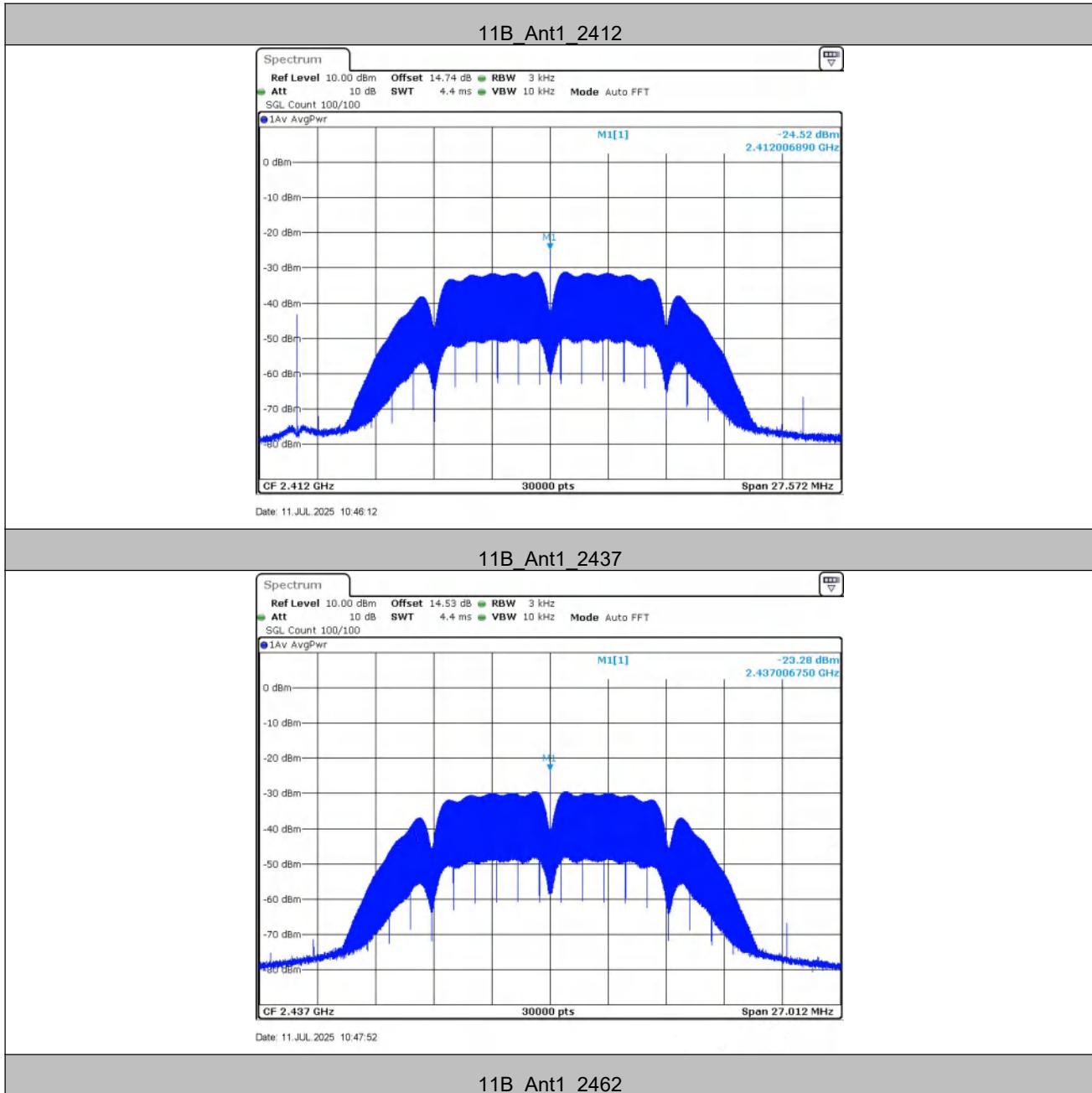
Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>Offset=cable loss+ attenuation factor</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	$\leq 8.00 \text{dBm}/3\text{kHz}$
Test Results:	Pass

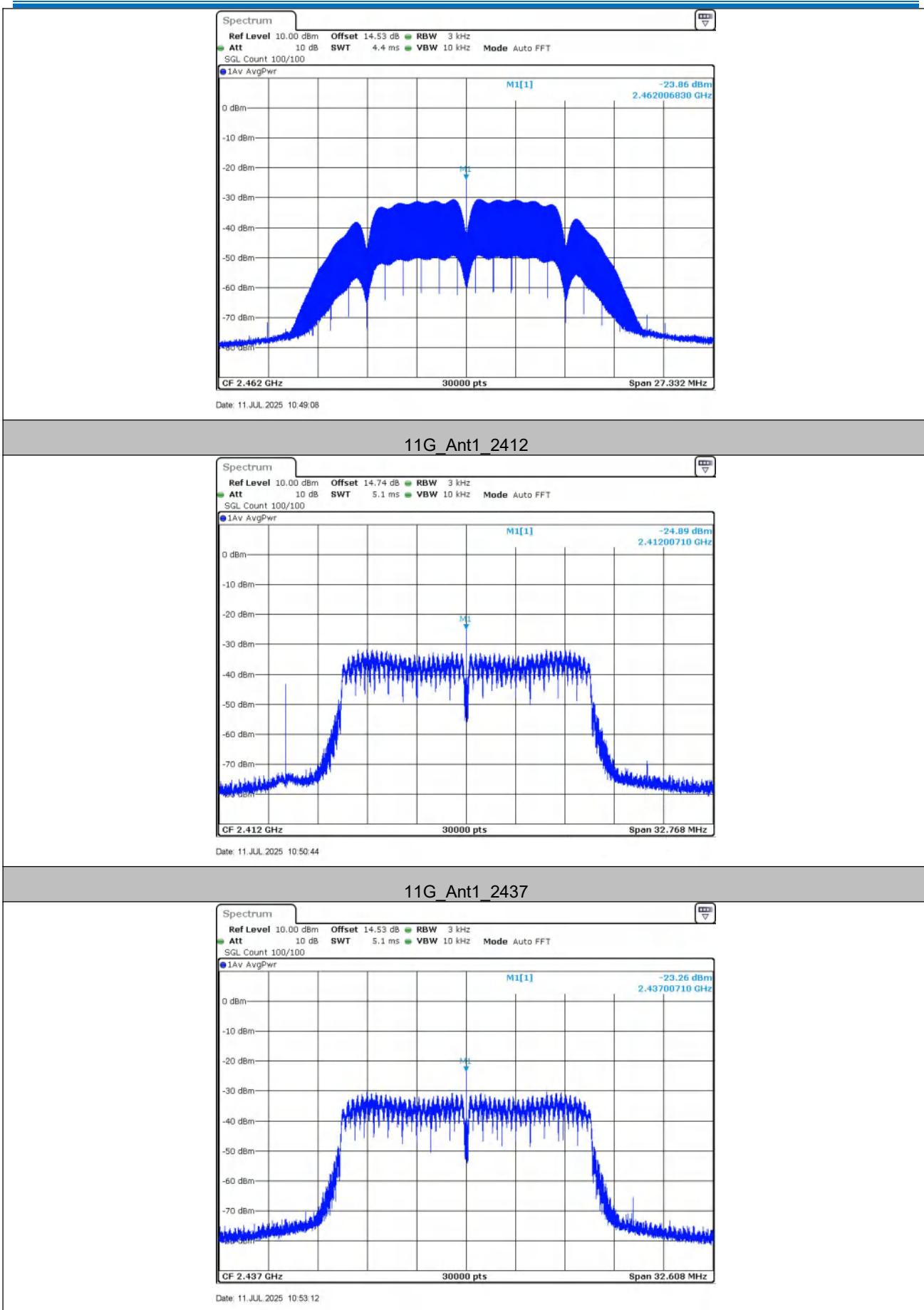
**Test Result**

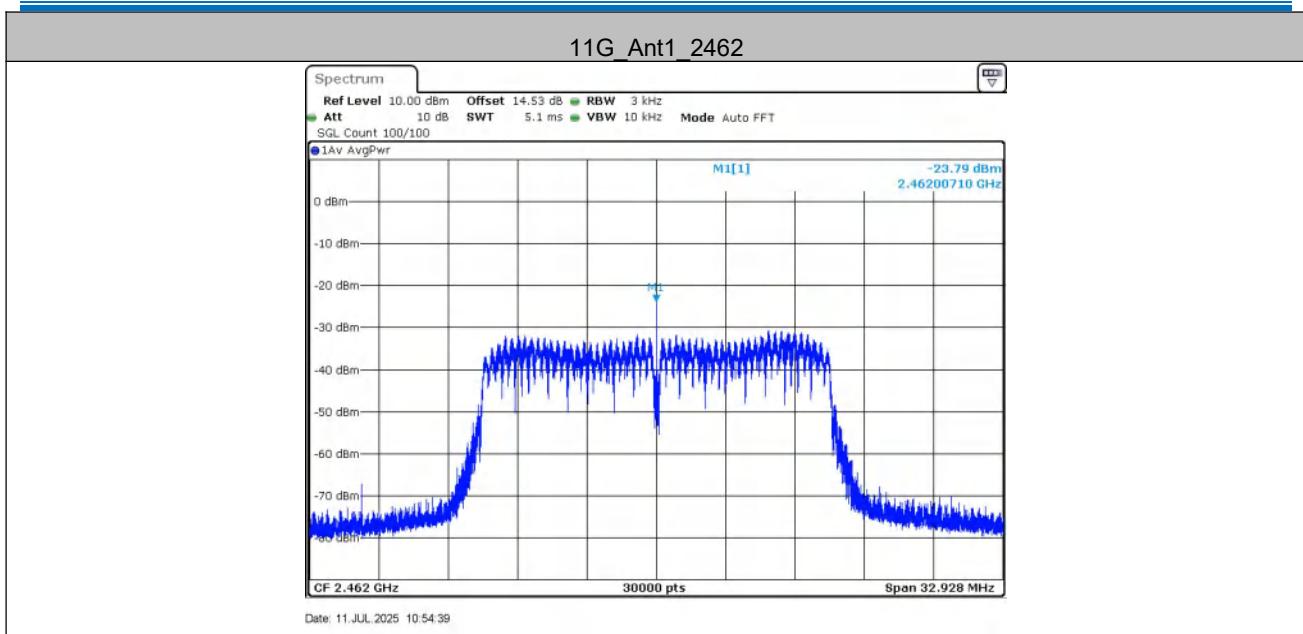
TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-24.52	≤8.00	PASS
	2437	-23.28	≤8.00	PASS
	2462	-23.86	≤8.00	PASS
11G	2412	-24.89	≤8.00	PASS
	2437	-23.26	≤8.00	PASS
	2462	-23.79	≤8.00	PASS

Note: Duty cycle correction factor details please see section 4.4.

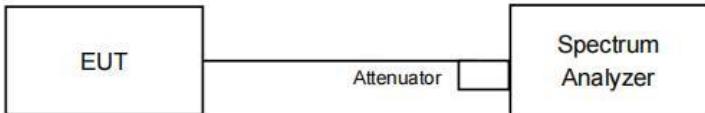
When Duty cycle >98%, D.C.F is not required.

**Test Graphs**





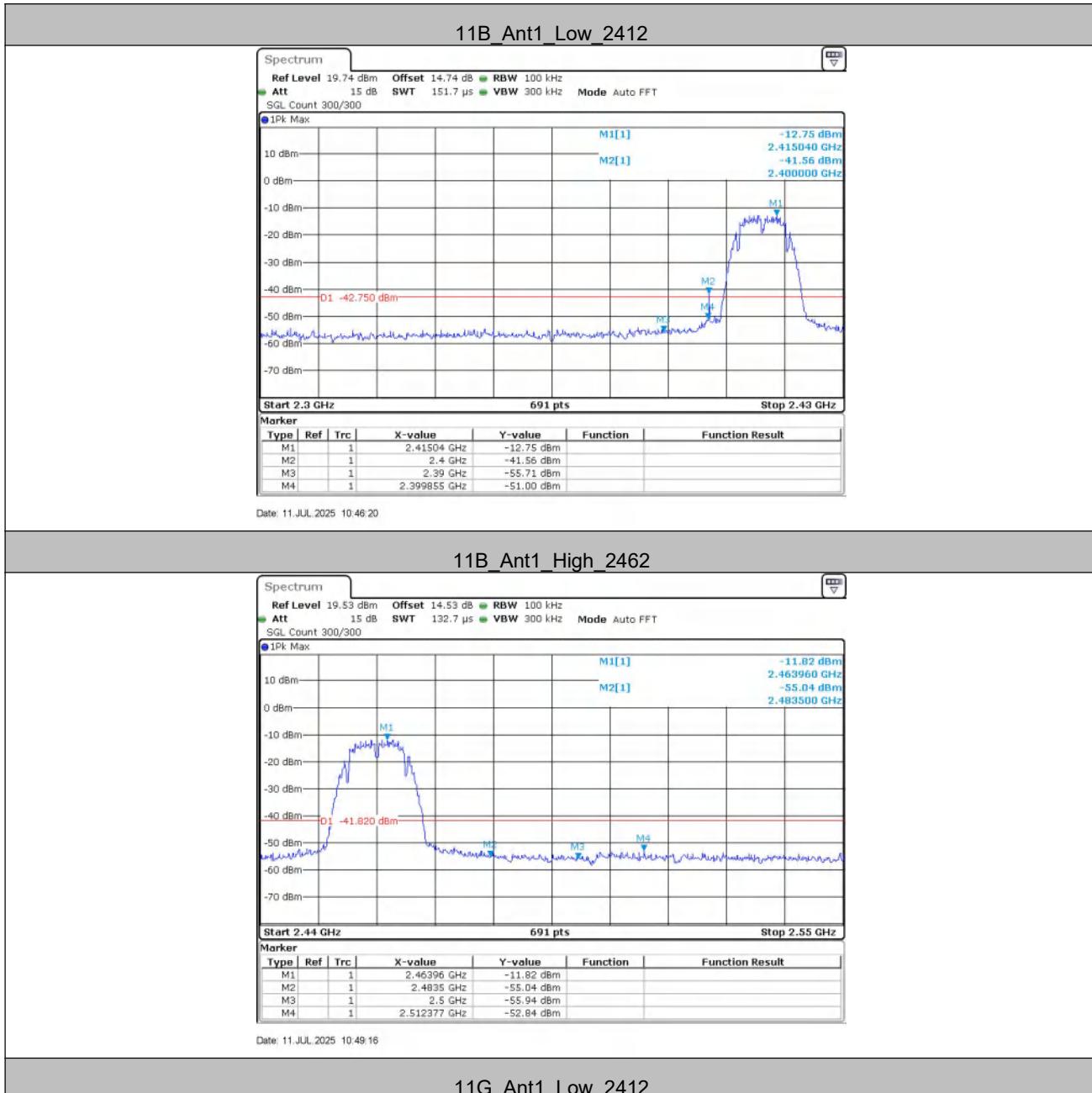
## 5.7 Band-edge for RF Conducted Emissions

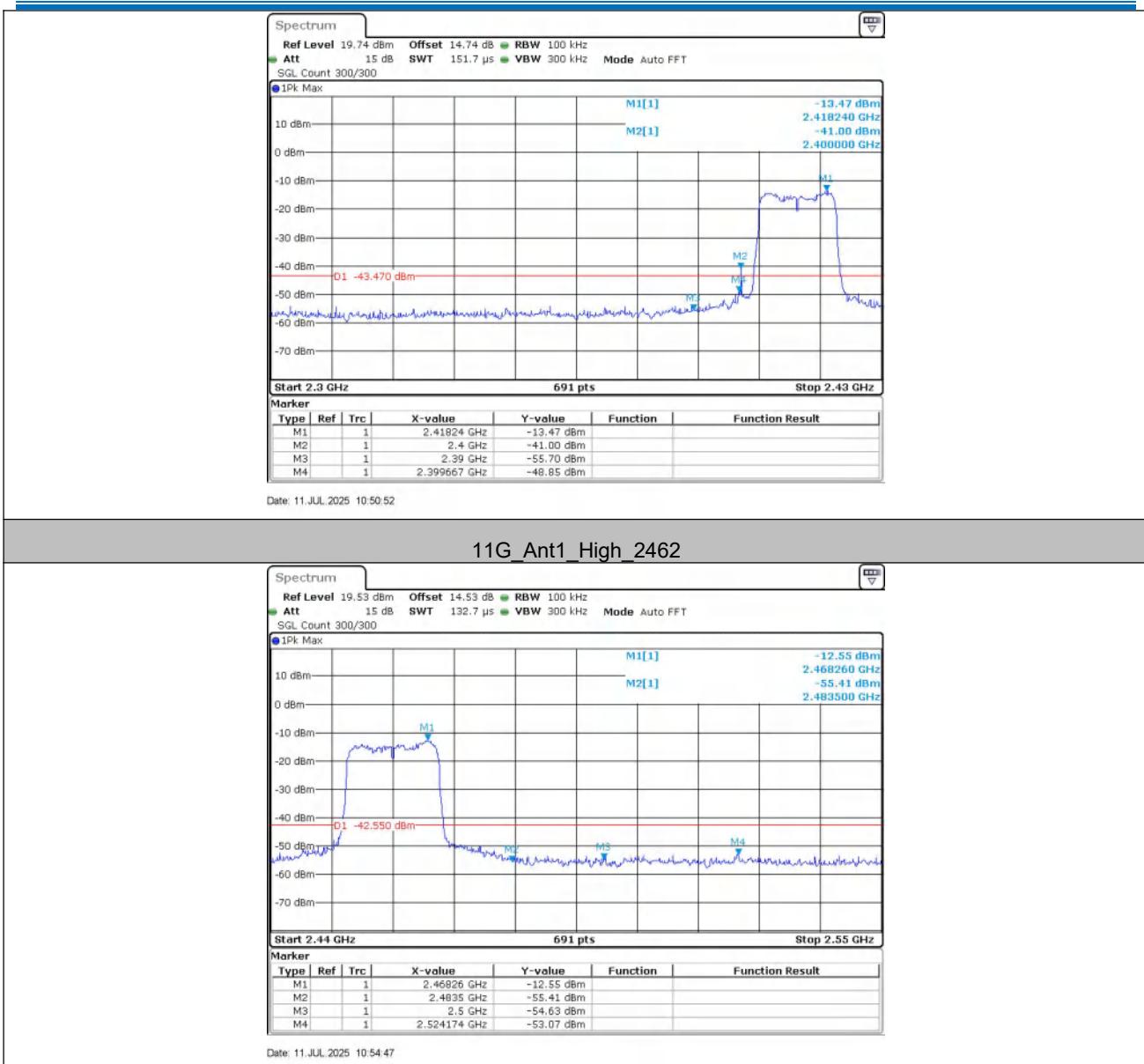
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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.
Test Results:	Pass

**Test Result**

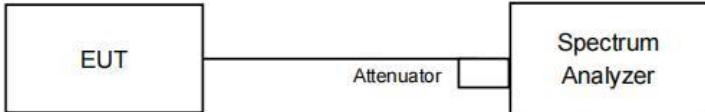
TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	-12.75	-51	≤-42.75	PASS
	High	2462	-11.82	-52.84	≤-41.82	PASS
11G	Low	2412	-13.47	-48.85	≤-43.47	PASS
	High	2462	-12.55	-53.07	≤-42.55	PASS

### 5.7.1 Test Graphs





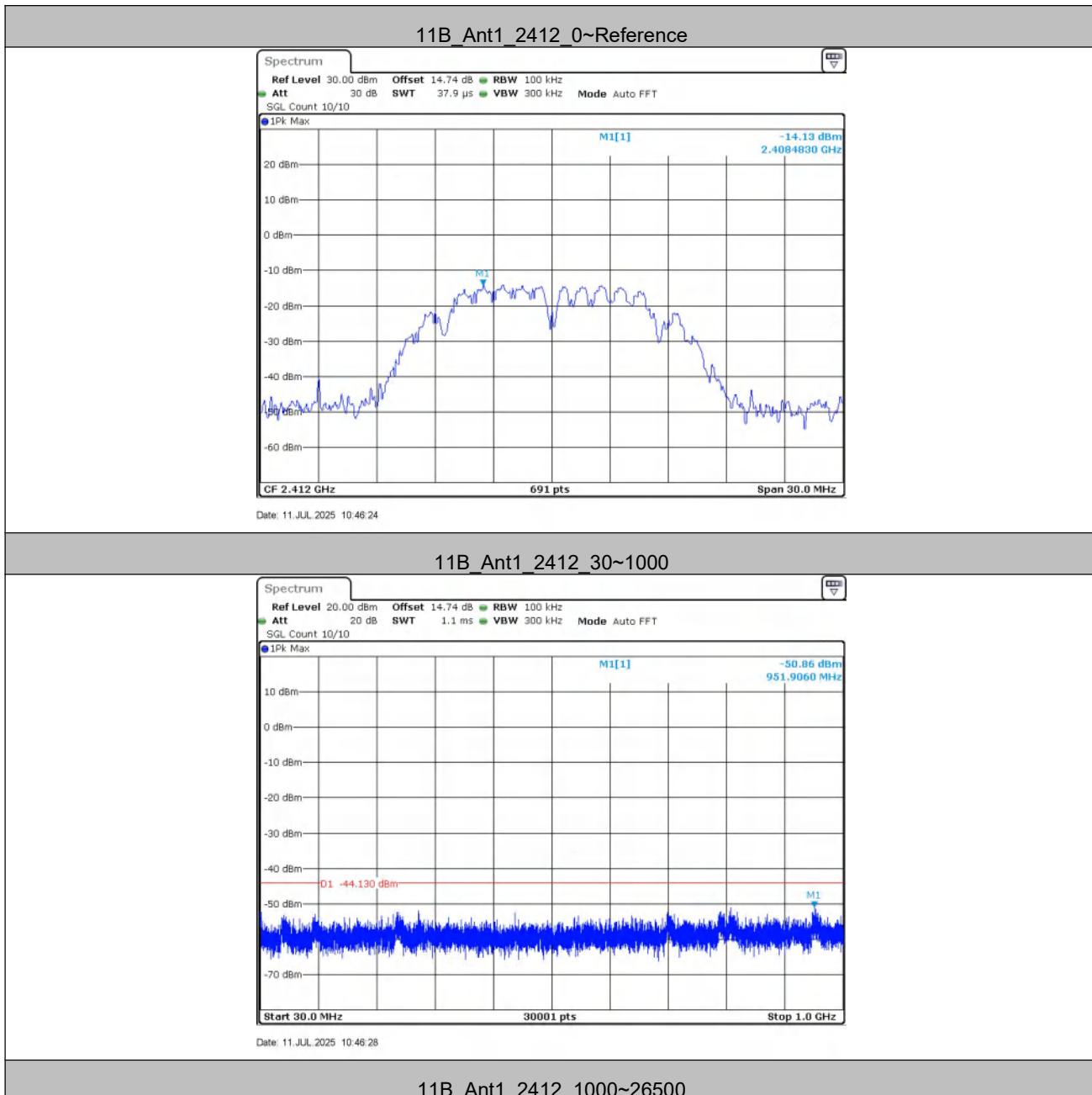
## 5.8 RF Conducted Spurious Emissions

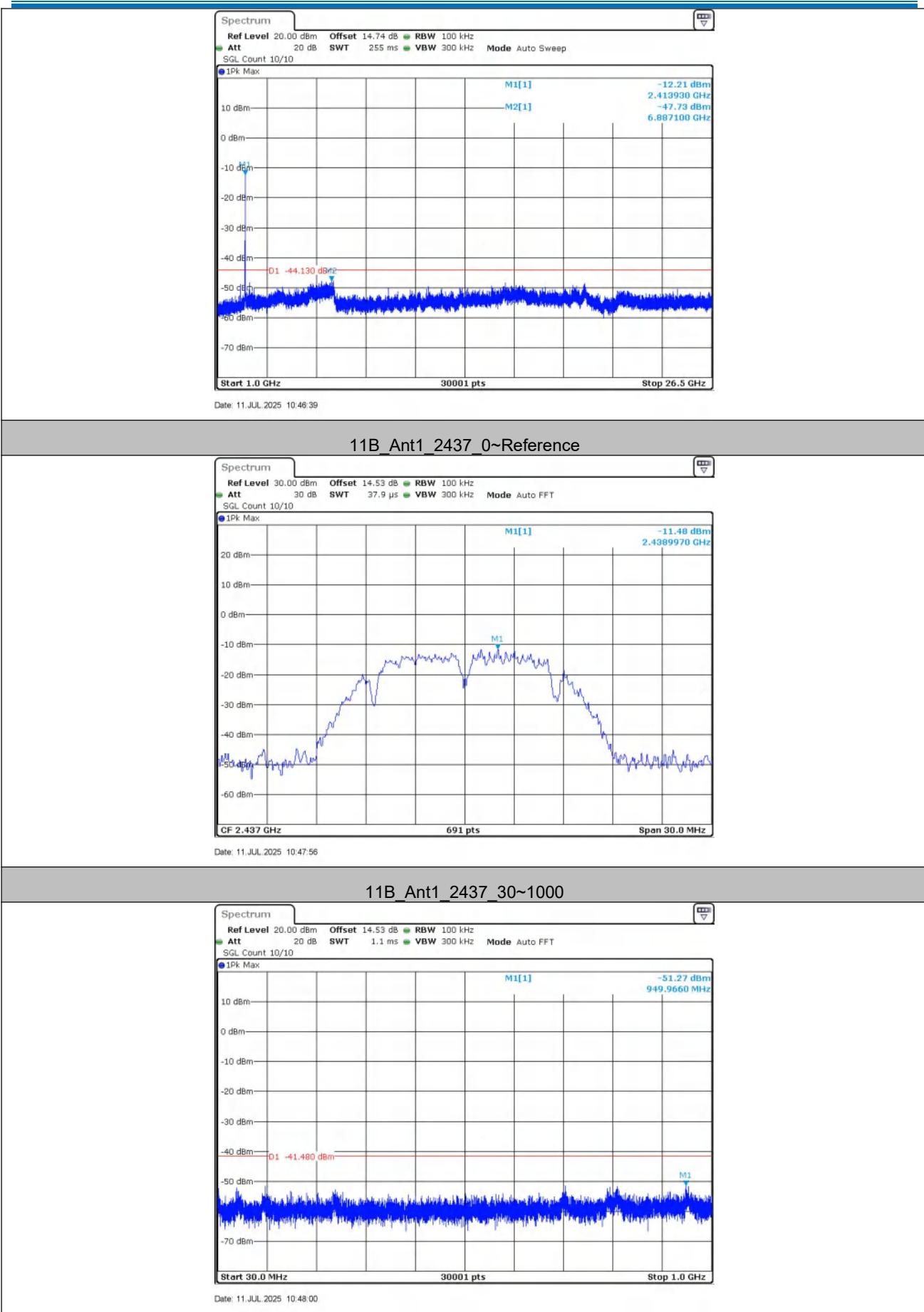
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>Offset=cable loss+ attenuation factor</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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.
Test Results:	Pass

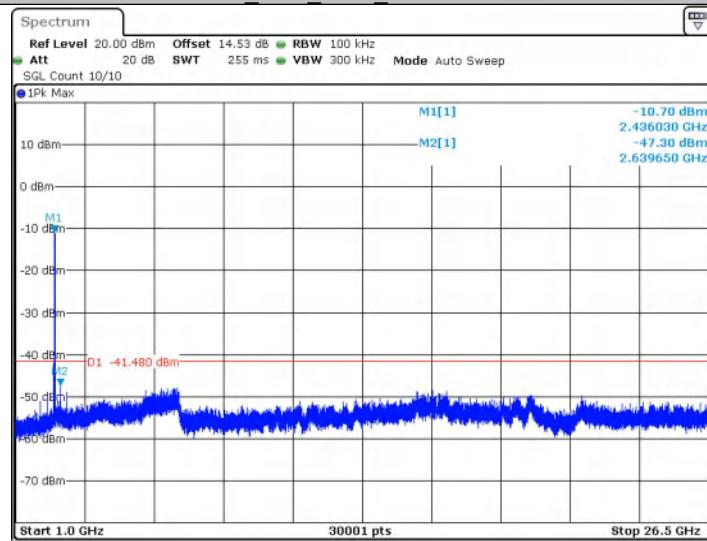
**Test Result**

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	-14.13	-14.13	---	PASS
		30~1000	-14.13	-50.86	≤-44.13	PASS
		1000~26500	-14.13	-47.73	≤-44.13	PASS
	2437	Reference	-11.48	-11.48	---	PASS
		30~1000	-11.48	-51.27	≤-41.48	PASS
		1000~26500	-11.48	-47.3	≤-41.48	PASS
	2462	Reference	-13.28	-13.28	---	PASS
		30~1000	-13.28	-50.7	≤-43.28	PASS
		1000~26500	-13.28	-47.87	≤-43.28	PASS
11G	2412	Reference	-13.87	-13.87	---	PASS
		30~1000	-13.87	-50.3	≤-43.87	PASS
		1000~26500	-13.87	-46.84	≤-43.87	PASS
	2437	Reference	-12.94	-12.94	---	PASS
		30~1000	-12.94	-51.68	≤-42.94	PASS
		1000~26500	-12.94	-47.13	≤-42.94	PASS
	2462	Reference	-13.00	-13.00	---	PASS
		30~1000	-13.00	-51.54	≤-43	PASS
		1000~26500	-13.00	-47.63	≤-43	PASS

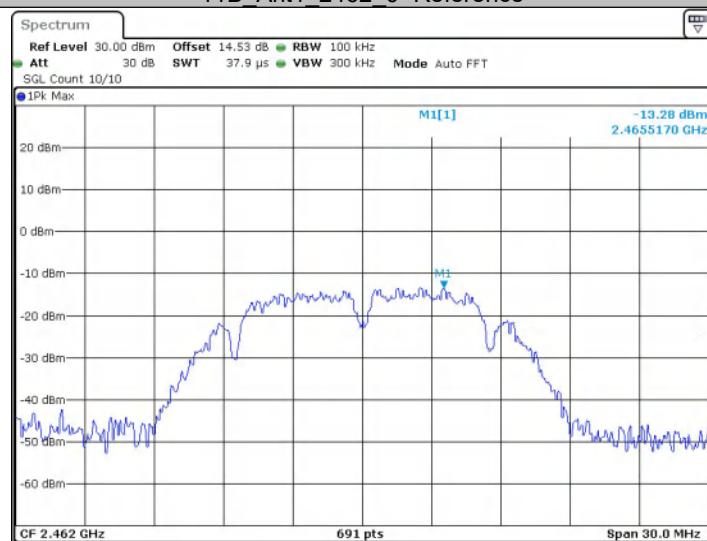
## Test Graphs





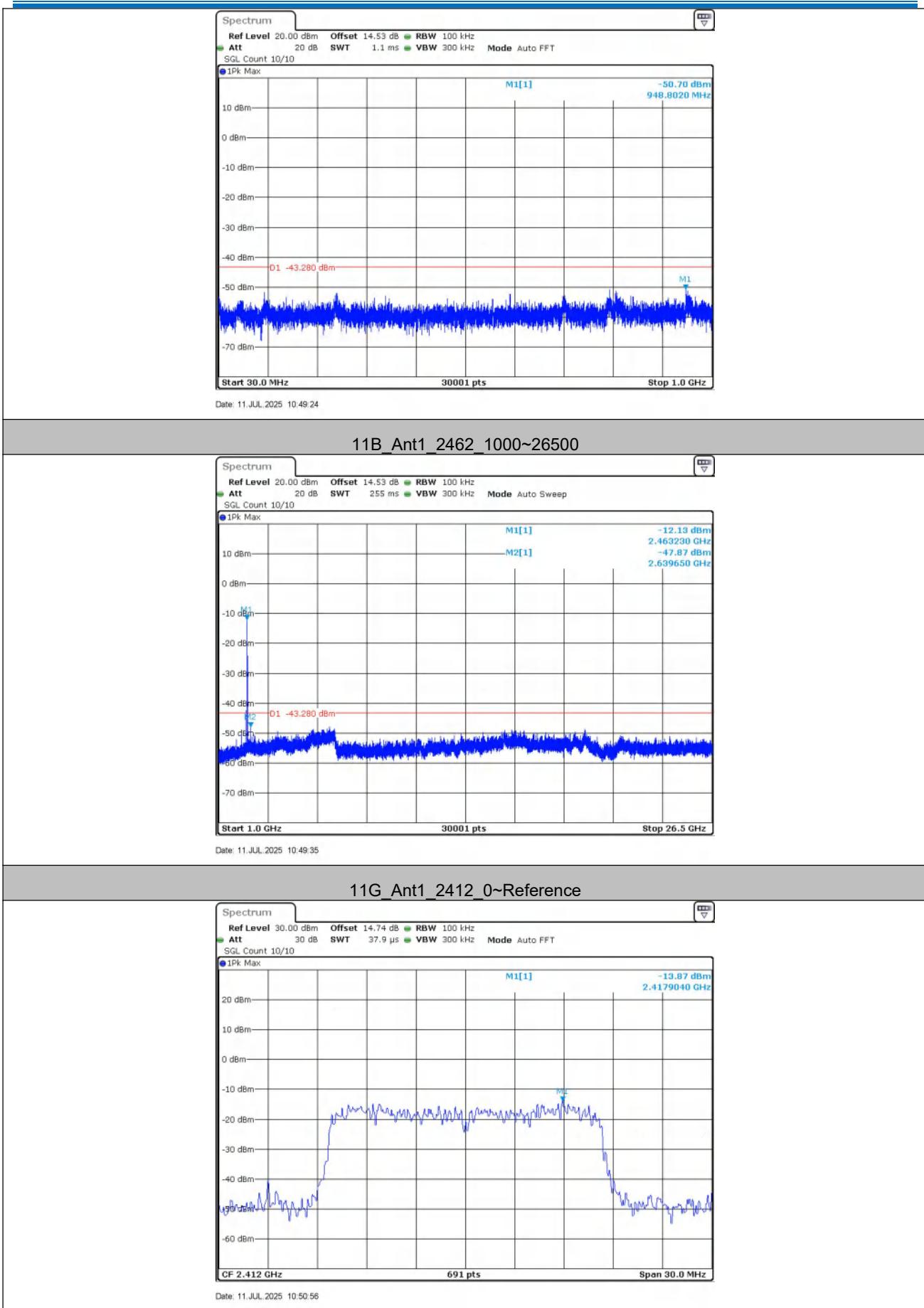
**11B\_Ant1\_2437\_1000~26500**


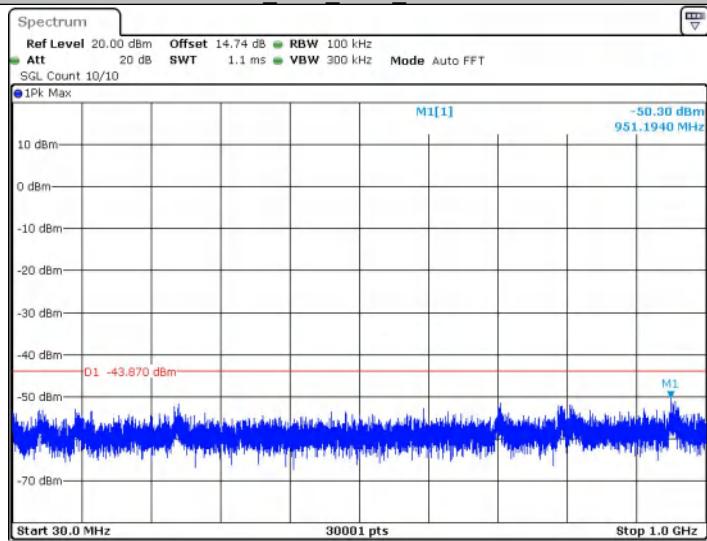
Date: 11.JUL.2025 10:48:11

**11B\_Ant1\_2462\_0~Reference**


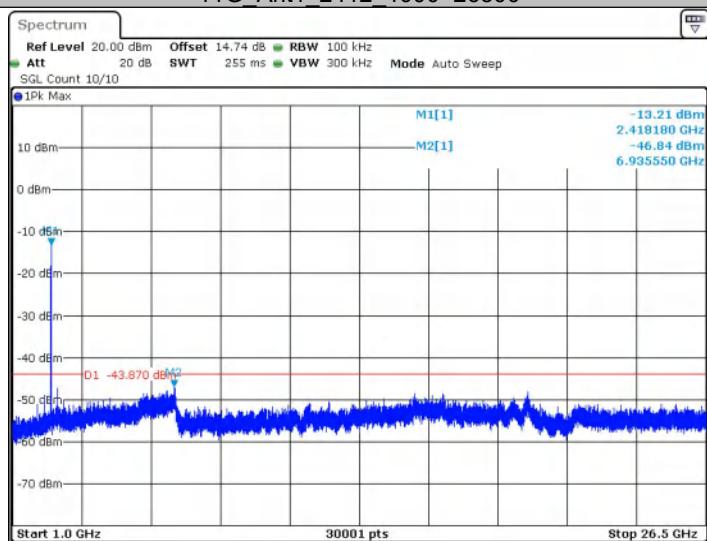
Date: 11.JUL.2025 10:49:20

**11B\_Ant1\_2462\_30~1000**



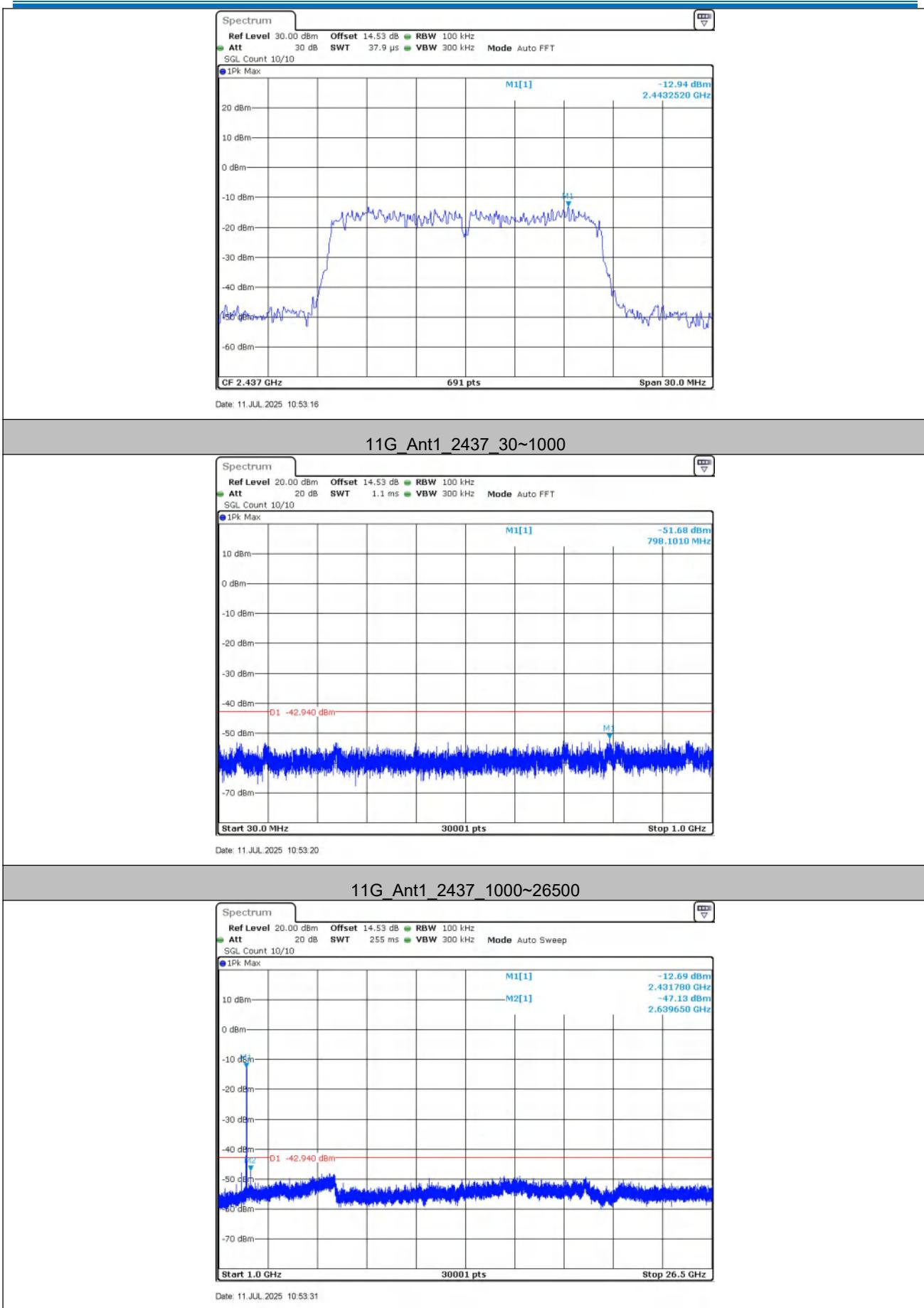
**11G\_Ant1\_2412\_30~1000**


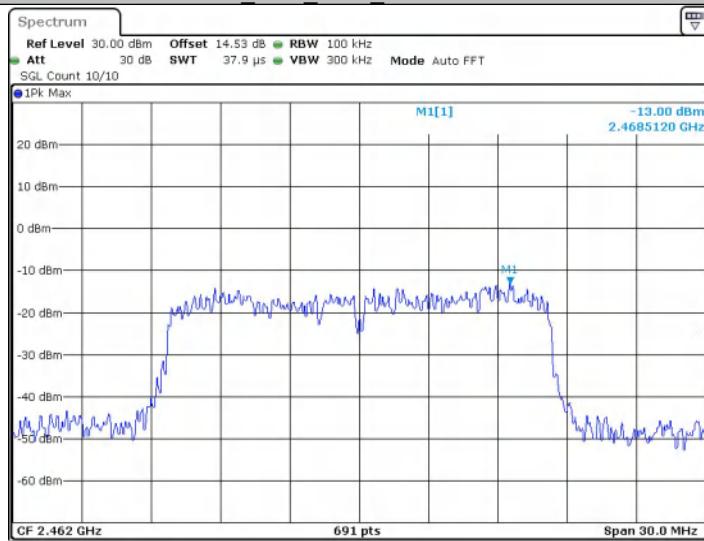
Date: 11.JUL.2025 10:51:00

**11G\_Ant1\_2412\_1000~26500**


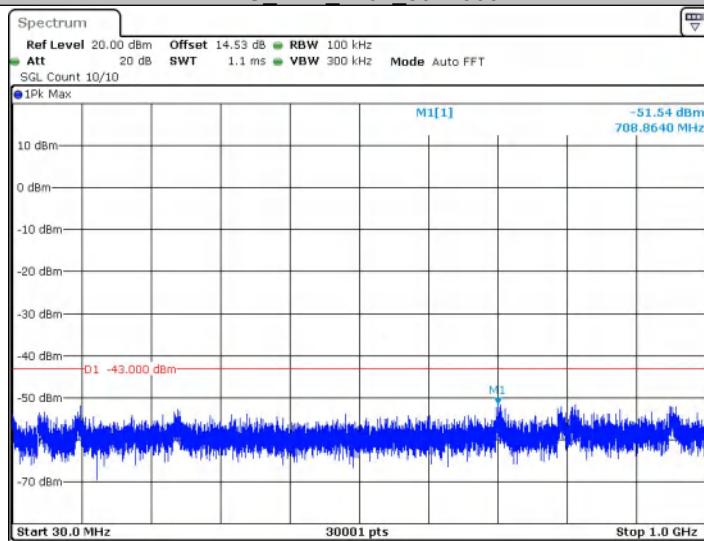
Date: 11.JUL.2025 10:51:11

**11G\_Ant1\_2437\_0~Reference**



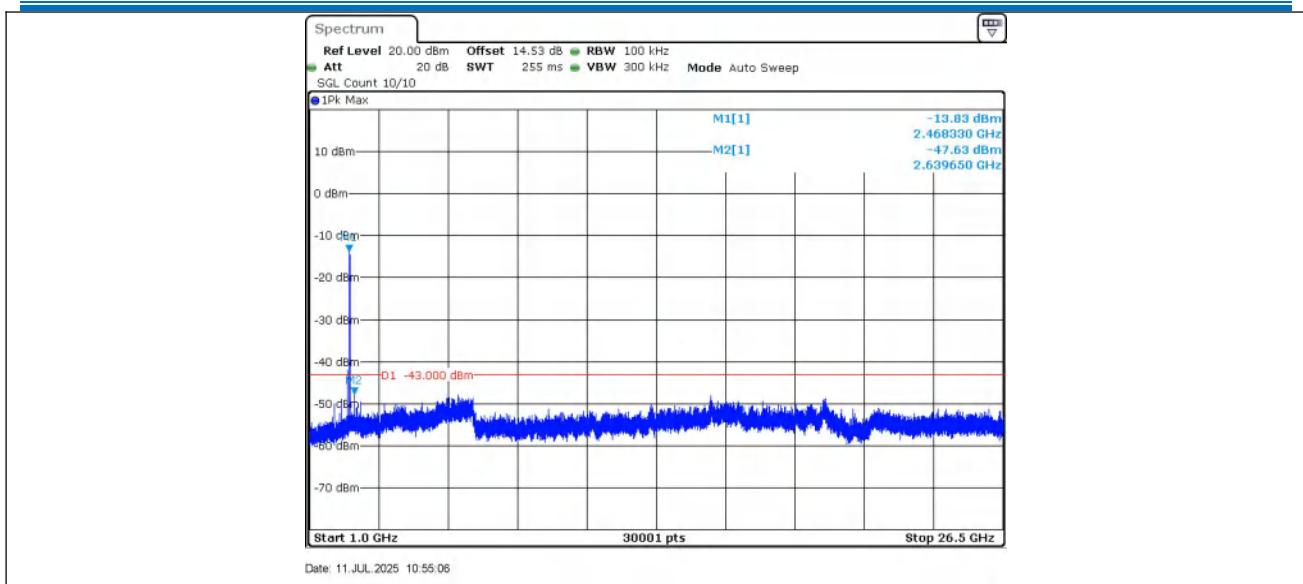
**11G\_Ant1\_2462\_0~Reference**


Date: 11.JUL.2025 10:54:51

**11G\_Ant1\_2462\_30~1000**


Date: 11.JUL.2025 10:54:55

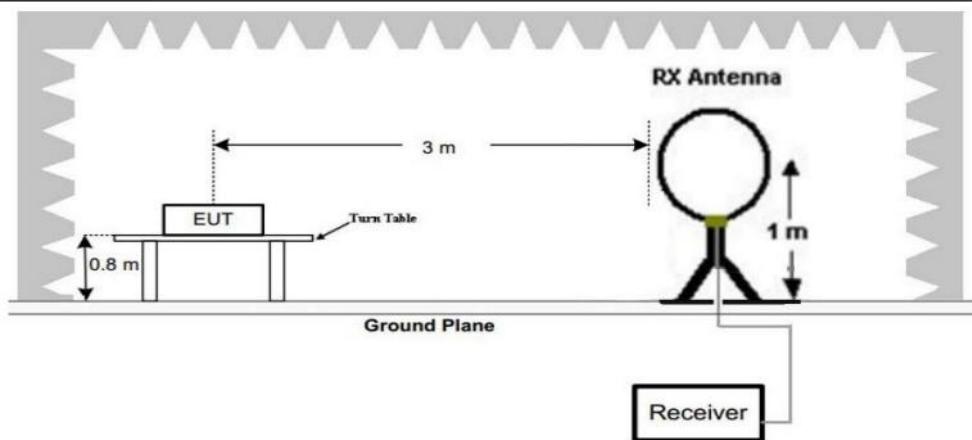
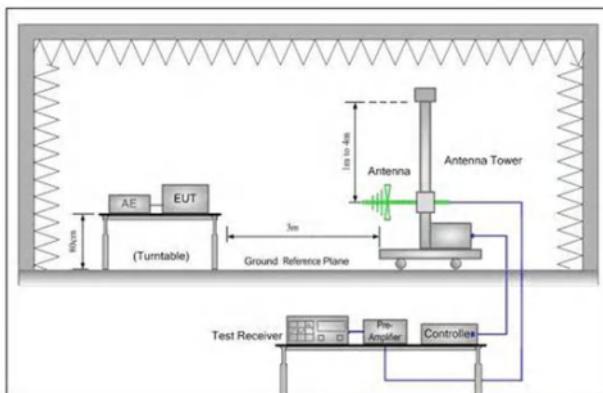
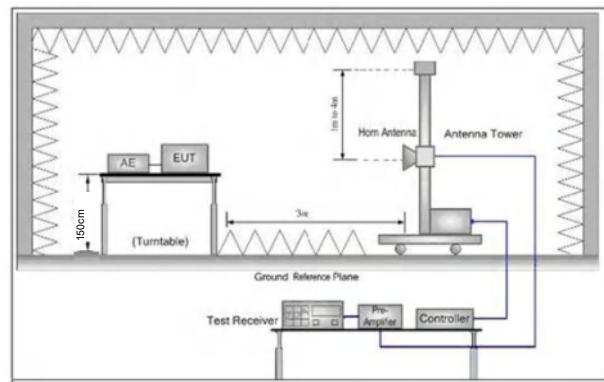
**11G\_Ant1\_2462\_1000~26500**

**Remark:**

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.

## 5.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.					

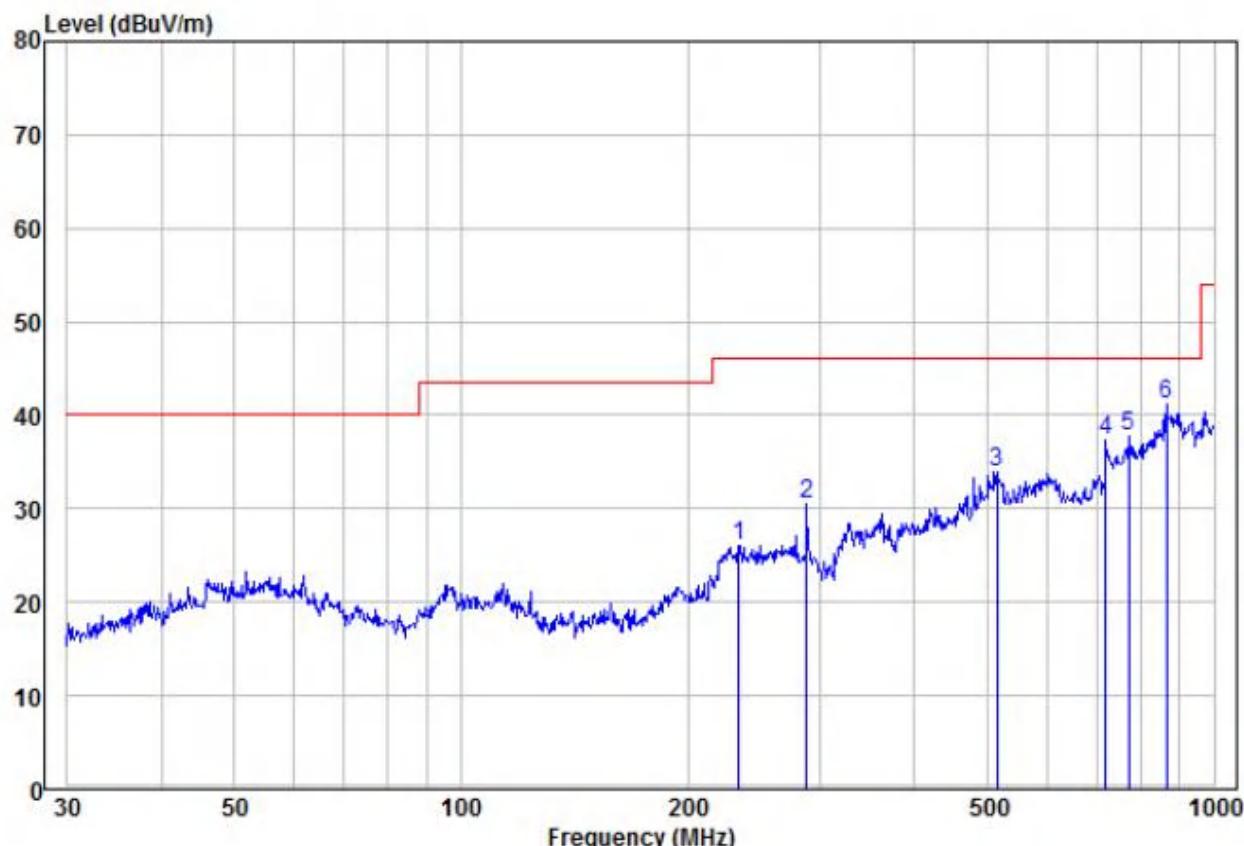
**Test Setup:**

**Figure 1. Below 30MHz**

**Figure 2. 30MHz to 1GHz**

**Figure 3. Above 1 GHz**
**Test Procedure:**

- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.  
2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.  
Note: For the radiated emission test above 1GHz:  
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

	<p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>g. Test the EUT in the lowest channel, the middle channel, the Highest channel.</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case .</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

### 5.9.1 Radiated emission below 1GHz

<b>30MHz~1GHz</b>
Vertical



Freq	Read		Level	Limit	Over	APOS	TPos
	Freq	Level	Factor	Line	Limit	Remark	Pol/Phase
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	234.17	10.79	15.27	26.06	46.00	-19.94 Peak	VERTICAL 100 15
2	287.99	13.02	17.43	30.45	46.00	-15.55 Peak	VERTICAL 100 28
3	515.44	11.94	21.98	33.92	46.00	-12.08 Peak	VERTICAL 100 56
4	719.20	12.79	24.58	37.37	46.00	-8.63 Peak	VERTICAL 100 31
5	771.45	11.94	25.81	37.75	46.00	-8.25 Peak	VERTICAL 100 98
6 pp	866.09	11.88	29.30	41.18	46.00	-4.82 Peak	VERTICAL 100 123

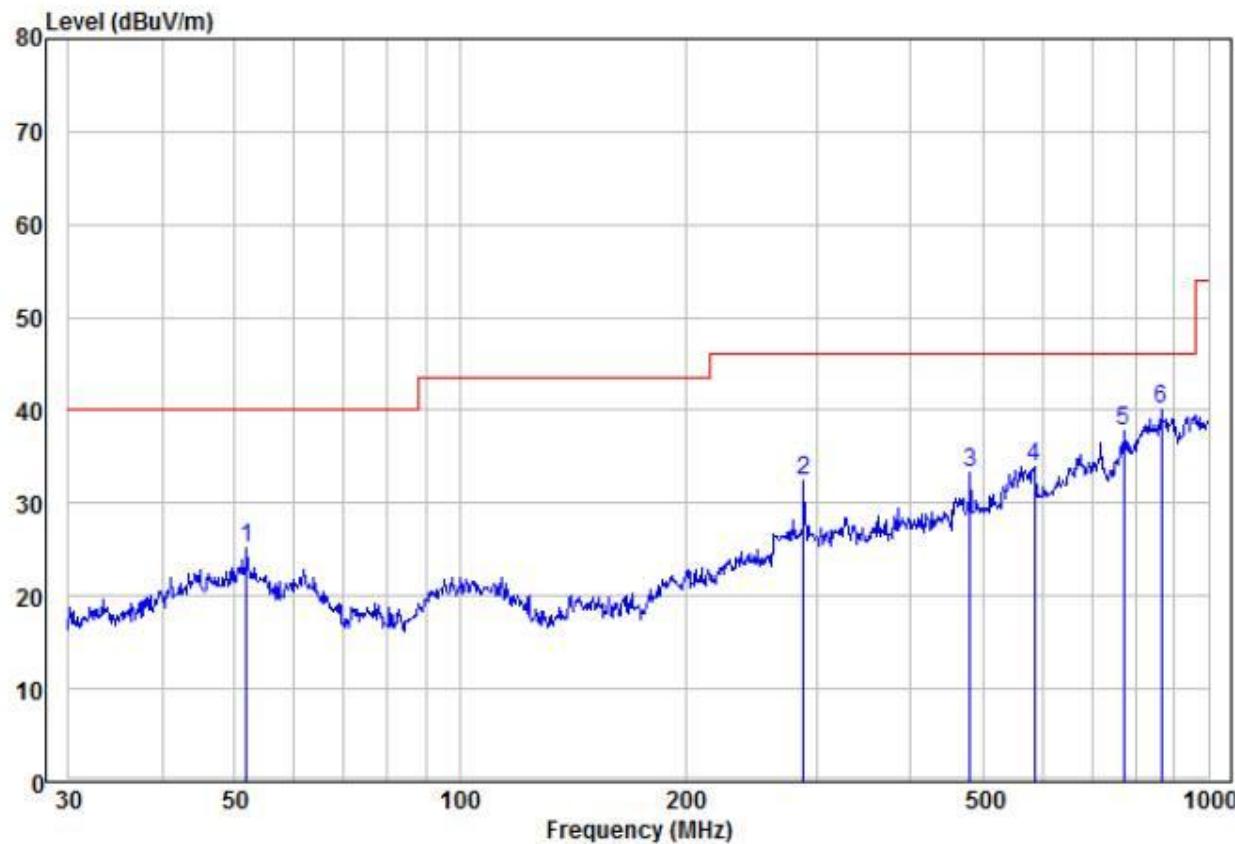
#### Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

**Horizontal**


Freq	Read			Limit	Over	Remark	Pol/Phase	APos	TPos	
	Freq	Level	Factor							
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	deg	
1	51.84	11.46	13.79	25.25	40.00	-14.75	Peak	HORIZONTAL	100	28
2	287.99	15.02	17.43	32.45	46.00	-13.55	Peak	HORIZONTAL	100	145
3	480.53	12.16	21.22	33.38	46.00	-12.62	Peak	HORIZONTAL	100	99
4	584.79	11.48	22.50	33.98	46.00	-12.02	Peak	HORIZONTAL	100	78
5	771.45	11.94	25.81	37.75	46.00	-8.25	Peak	HORIZONTAL	100	138
6 pp	866.09	10.88	29.30	40.18	46.00	-5.82	Peak	HORIZONTAL	100	210

**Remark:**

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

**5.9.2 Transmitter emission above 1GHz**

Test mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits	Over (dB)	Detector Type	Ant. Pol.	Antenna Height (m)	Table Angle (Degree)
							H/V		
4824.000	52.89	-4.26	48.63	74	-25.37	peak	H	1.5	251
4824.000	37.51	-4.26	33.25	54	-20.75	AVG	H	1.5	189
7236.000	52.18	1.18	53.36	74	-20.64	peak	H	1.5	334
7236.000	38.79	1.18	39.97	54	-14.03	AVG	H	1.5	335
4824.000	54.42	-4.26	50.16	74	-23.84	peak	V	1.5	168
4824.000	39.03	-4.26	34.77	54	-19.23	AVG	V	1.5	321
7236.000	51.16	1.18	52.34	74	-21.66	peak	V	1.5	181
7236.000	36.60	1.18	37.78	54	-16.22	AVG	V	1.5	83

Test mode:		802.11b(1Mbps)		Test channel:		Middle			
Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits	Over (dB)	Detector or Type	Ant. Pol.	Antenna Height (m)	Table Angle (Degree)
							H/V		
4874.000	51.76	-4.12	47.64	74	-26.36	peak	H	1.5	145
4874.000	37.63	-4.12	33.51	54	-20.49	AVG	H	1.5	139
7311.000	49.45	1.46	50.91	74	-23.09	peak	H	1.5	99
7311.000	36.67	1.46	38.13	54	-15.87	AVG	H	1.5	65
4874.000	52.41	-4.12	48.29	74	-25.71	peak	V	1.5	24
4874.000	37.58	-4.12	33.46	54	-20.54	AVG	V	1.5	41
7311.000	48.28	1.46	49.74	74	-24.26	peak	V	1.5	4
7311.000	36.66	1.46	38.12	54	-15.88	AVG	V	1.5	61

Test mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor	Emission Level (dB $\mu$ V/m)	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height (m)	Table Angle (Degree)
		(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V	(m)	(Degree)
4924.000	52.82	-4.03	48.79	74	-25.21	peak	H	1.5	279
4924.000	37.21	-4.03	33.18	54	-20.82	AVG	H	1.5	150
7386.000	51.14	1.66	52.80	74	-21.20	peak	H	1.5	296
7386.000	36.88	1.66	38.54	54	-15.46	AVG	H	1.5	266
4924.000	54.71	-4.03	50.68	74	-23.32	peak	V	1.5	96
4924.000	38.20	-4.03	34.17	54	-19.83	AVG	V	1.5	43
7386.000	49.87	1.66	51.53	74	-22.47	peak	V	1.5	306
7386.000	36.70	1.66	38.36	54	-15.64	AVG	V	1.5	349

**Remark:**

- 1) The 1Mbps of rate of 802.11b is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  

$$\text{Final Test Level} = \text{Receiver Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Preamplifier Factor}$$
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Over (dB)	Detect or Type	Ant. Pol.	Antenna Height (m)	Table Angle (Degree)
							H/V	(m)	(Degree)
4824.000	52.80	-4.26	48.54	74	-25.46	peak	H	1.5	344
4824.000	36.56	-4.26	32.30	54	-21.70	AVG	H	1.5	279
7236.000	51.70	1.18	52.88	74	-21.12	peak	H	1.5	262
7236.000	37.17	1.18	38.35	54	-15.65	AVG	H	1.5	322
4824.000	55.59	-4.26	51.33	74	-22.67	peak	V	1.5	258
4824.000	39.13	-4.26	34.87	54	-19.13	AVG	V	1.5	109
7236.000	50.44	1.18	51.62	74	-22.38	peak	V	1.5	355
7236.000	36.01	1.18	37.19	54	-16.81	AVG	V	1.5	358

Test mode:		802.11g(6Mbps)		Test channel:		Middle			
Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Over (dB)	Detect or Type	Ant. Pol.	Antenna Height (m)	Table Angle (Degree)
							H/V	(m)	(Degree)
4874.000	53.24	-4.12	49.12	74	-24.88	peak	H	1.5	151
4874.000	37.83	-4.12	33.71	54	-20.29	AVG	H	1.5	311
7311.000	49.65	1.46	51.11	74	-22.89	peak	H	1.5	245
7311.000	35.32	1.46	36.78	54	-17.22	AVG	H	1.5	119
4874.000	52.80	-4.12	48.68	74	-25.32	peak	V	1.5	329
4874.000	36.24	-4.12	32.12	54	-21.88	AVG	V	1.5	197
7311.000	48.55	1.46	50.01	74	-23.99	peak	V	1.5	82
7311.000	35.05	1.46	36.51	54	-17.49	AVG	V	1.5	63

Test mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor	Emission Level (dB $\mu$ V/m)	Limits	Over (dB)	Detect or Type	Ant. Pol. H/V	Antenna Height (m)	Table Angle (Degree)
		(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		(m)	(Degree)	
4924.000	52.86	-4.03	48.83	74	-25.17	peak	H	1.5	334
4924.000	37.61	-4.03	33.58	54	-20.42	AVG	H	1.5	169
7386.000	49.40	1.66	51.06	74	-22.94	peak	H	1.5	152
7386.000	37.69	1.66	39.35	54	-14.65	AVG	H	1.5	305
4924.000	53.68	-4.03	49.65	74	-24.35	peak	V	1.5	150
4924.000	37.71	-4.03	33.68	54	-20.32	AVG	V	1.5	288
7386.000	51.08	1.66	52.74	74	-21.26	peak	V	1.5	323
7386.000	36.61	1.66	38.27	54	-15.73	AVG	V	1.5	156

**Remark:**

- 1) The 6Mbps of rate of 802.11g is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  

$$\text{Final Test Level} = \text{Receiver Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Preamplifier Factor}$$
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

## 5.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
Test Method:	ANSI C63.10 2013		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value
Test Setup:			

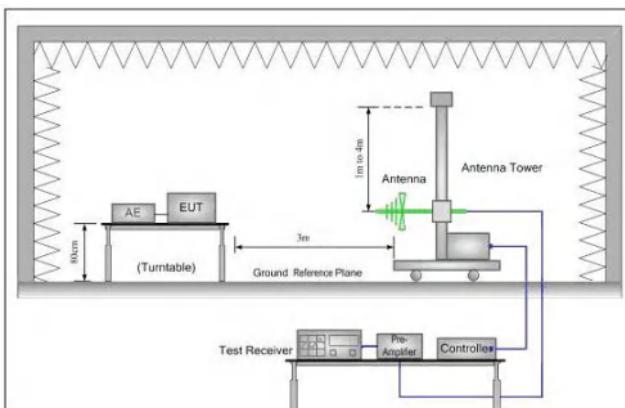


Figure 1. 30MHz to 1GHz

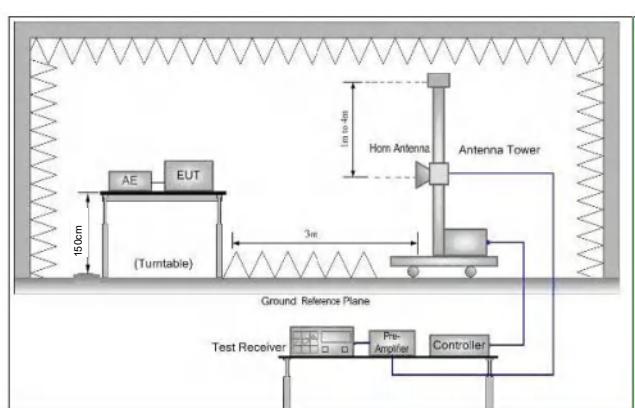


Figure 2. Above 1 GHz

Test Procedure:	<p>a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>Note: For the radiated emission test above 1GHz:</p> <p>Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and</p>
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	<p>then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <ul style="list-style-type: none"> <li>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> <li>g. Test the EUT in the lowest channel, the middle channel, the Highest channel.</li> <li>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case .</li> <li>i. Repeat above procedures until all frequencies measured was complete.</li> </ul>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Transmitting mode.
Final Test Mode:	Pretest the EUT at Transmitting mode, found the Transmitting mode which it is worse case. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g. Only the worst case is recorded in the report.
Test Results:	Pass

**Test data:**

Worse case mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V	(m)	(Degree)
2390.000	58.82	-9.2	49.62	74	-24.38	peak	H	1.5	19
2390.000	44.81	-9.2	35.61	54	-18.39	AVG	H	1.5	291
2400.000	60.21	-9.39	50.82	74	-23.18	peak	H	1.5	44
2400.000	46.64	-9.39	37.25	54	-16.75	AVG	H	1.5	220
2390.000	58.61	-9.2	49.41	74	-24.59	peak	V	1.5	163
2390.000	44.46	-9.2	35.26	54	-18.74	AVG	V	1.5	275
2400.000	59.63	-9.39	50.24	74	-23.76	peak	V	1.5	116
2400.000	46.68	-9.39	37.29	54	-16.71	AVG	V	1.5	197

Worse case mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V	(m)	(Degree)
2483.500	57.97	-9.29	48.68	74	-25.32	peak	H	1.5	221
2483.500	43.94	-9.29	34.65	54	-19.35	AVG	H	1.5	24
2483.500	57.54	-9.29	48.25	74	-25.75	peak	V	1.5	152
2483.500	46.02	-9.29	36.73	54	-17.27	AVG	V	1.5	203

Worse case mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V	(m)	(Degree)
2390.000	58.30	-9.2	49.10	74	-24.90	peak	H	1.5	213
2390.000	44.05	-9.2	34.85	54	-19.15	AVG	H	1.5	49
2400.000	59.43	-9.39	50.04	74	-23.96	peak	H	1.5	332
2400.000	46.10	-9.39	36.71	54	-17.29	AVG	H	1.5	145
2390.000	58.65	-9.2	49.45	74	-24.55	peak	V	1.5	184
2390.000	44.80	-9.2	35.60	54	-18.40	AVG	V	1.5	285
2400.000	59.32	-9.39	49.93	74	-24.07	peak	V	1.5	54
2400.000	46.34	-9.39	36.95	54	-17.05	AVG	V	1.5	334

Worse case mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V	(m)	(Degree)
2483.500	58.43	-9.29	49.14	74	-24.86	peak	H	1.5	360
2483.500	44.08	-9.29	34.79	54	-19.21	AVG	H	1.5	59
2483.500	57.81	-9.29	48.52	74	-25.48	peak	V	1.5	12
2483.500	46.10	-9.29	36.81	54	-17.19	AVG	V	1.5	30

**Note:**

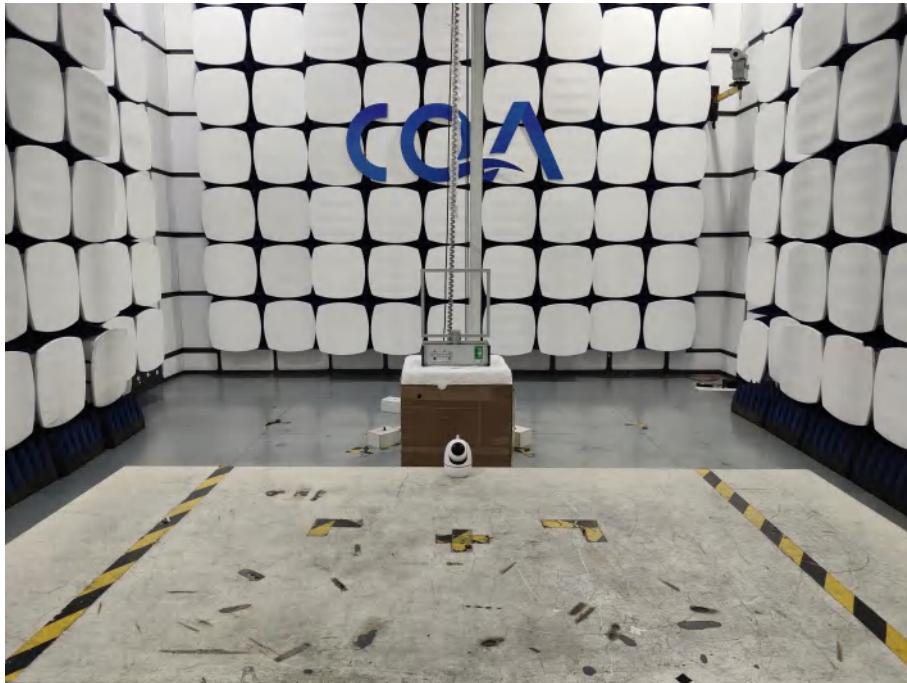
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

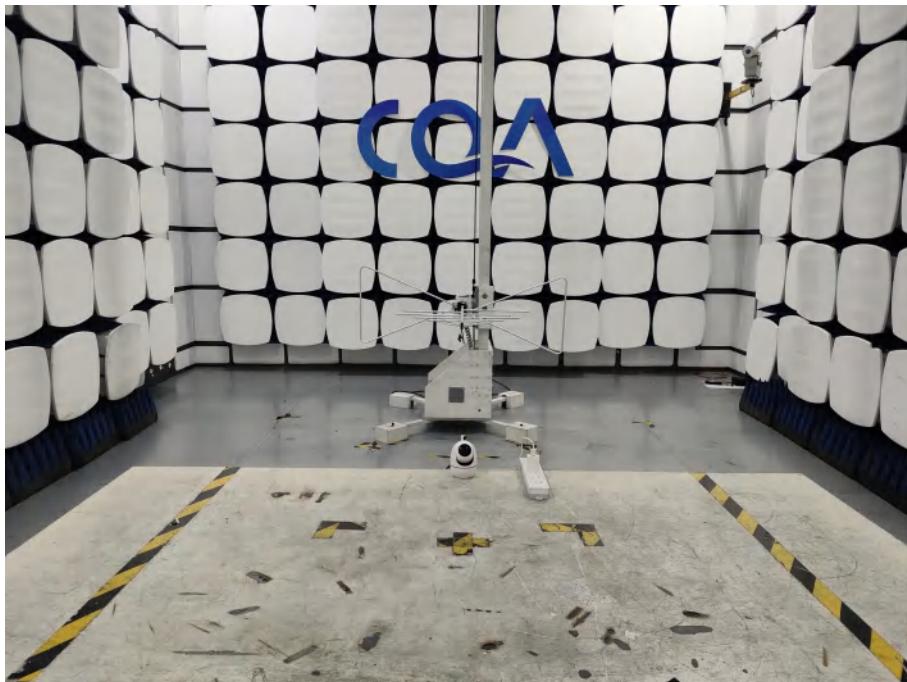
## 6 Photographs - EUT Test Setup

### 6.1 Radiated Spurious Emission

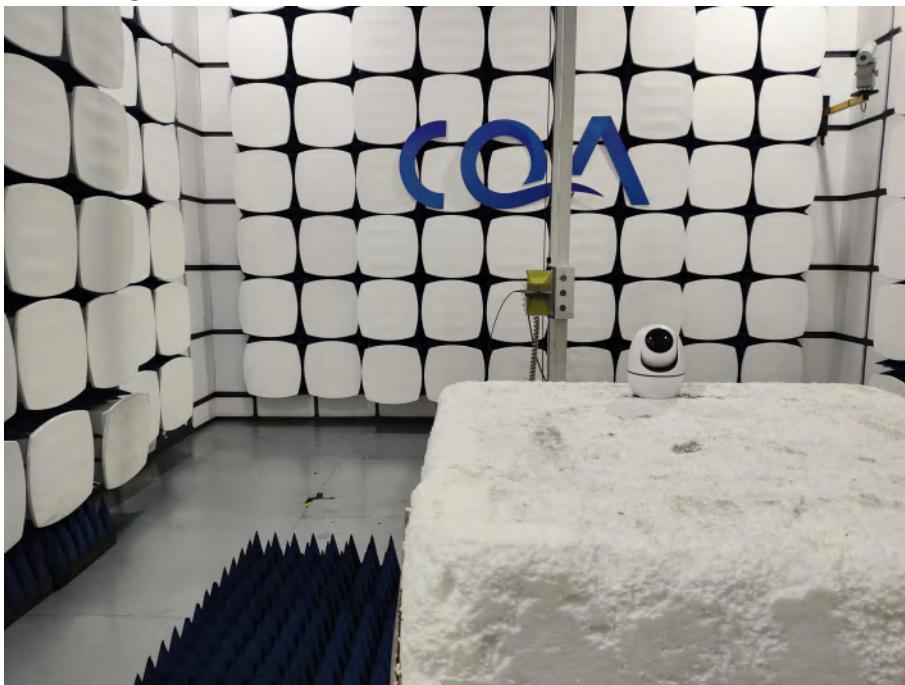
9kHz~30MHz:



30MHz~1GHz:



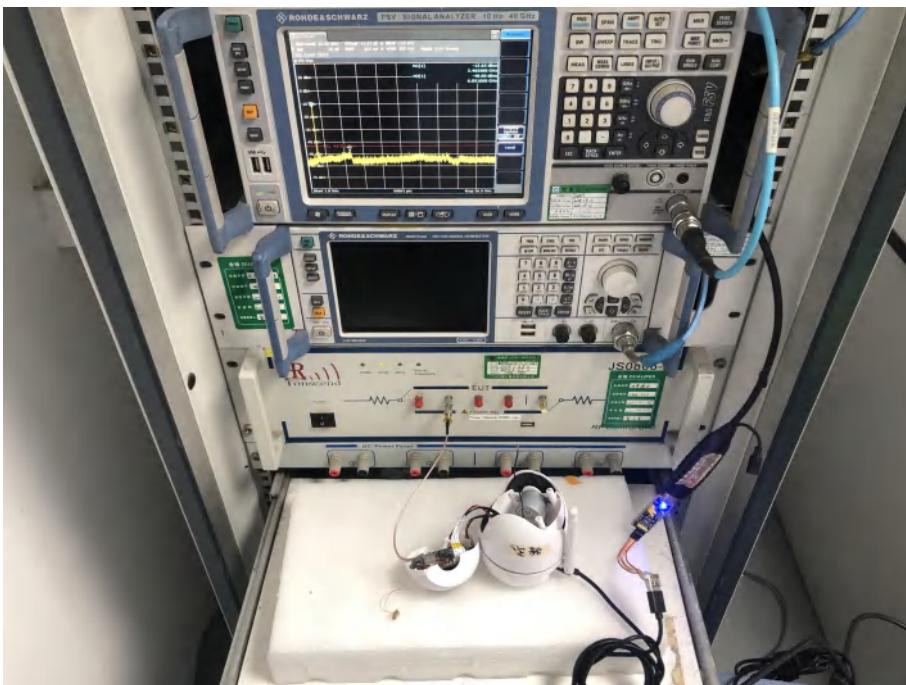
Above 1GHz:



## 6.2 Conducted Emission



### 6.3 RF Conducted measurement



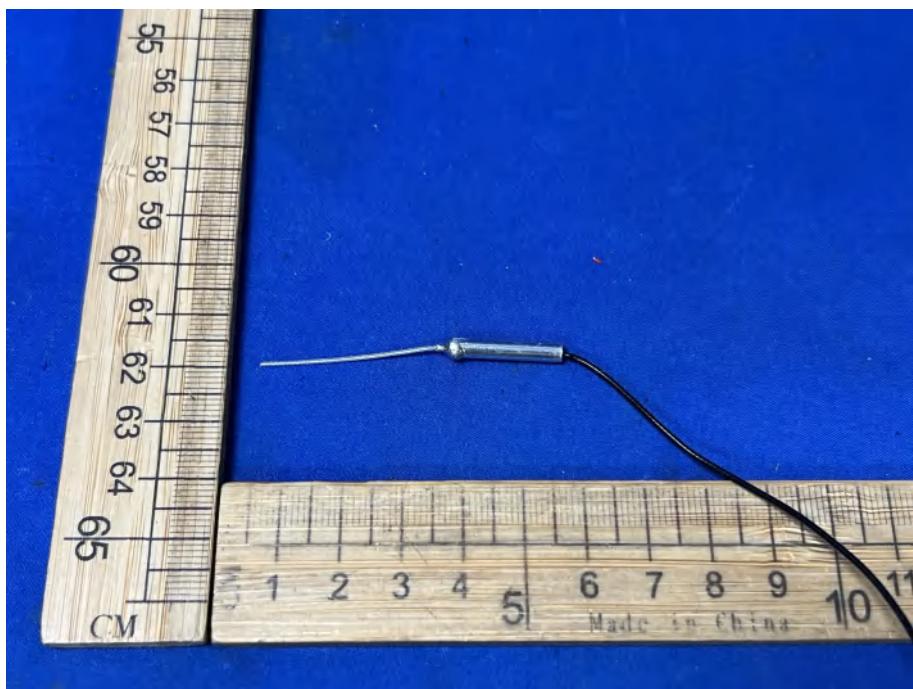
## 7 Photographs - EUT Constructional Details

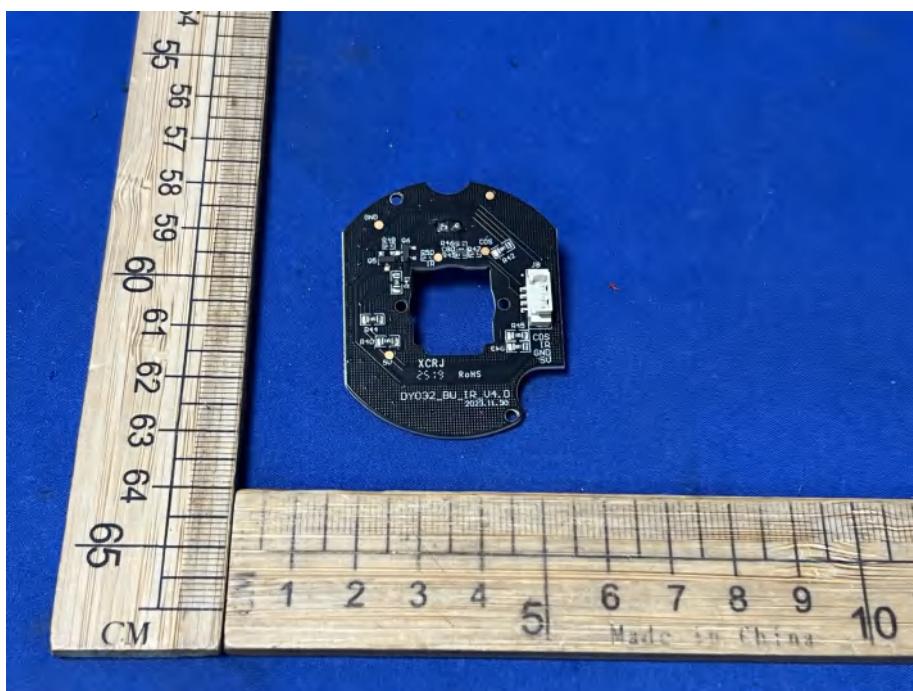
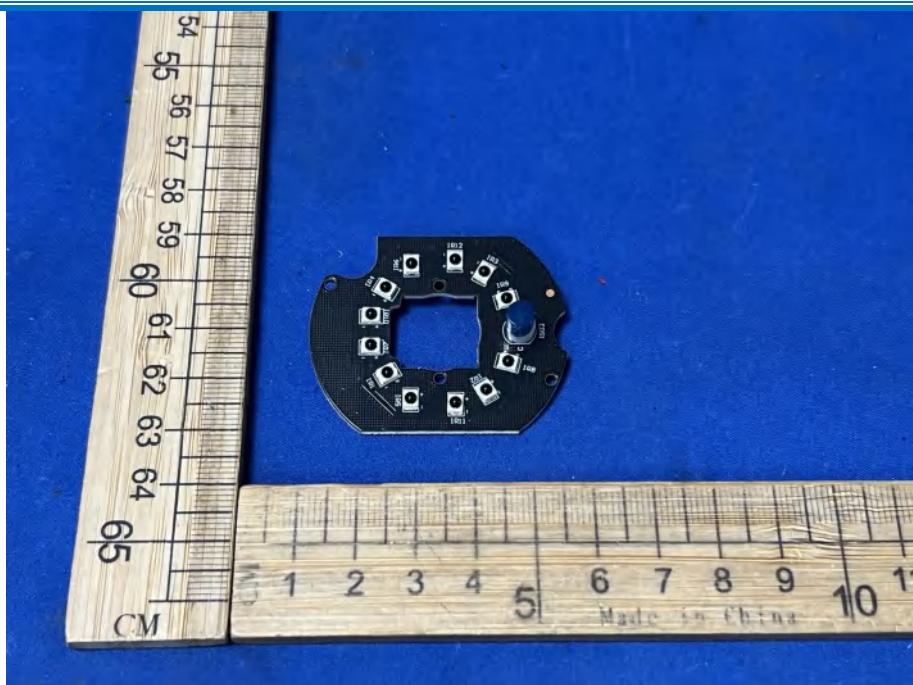


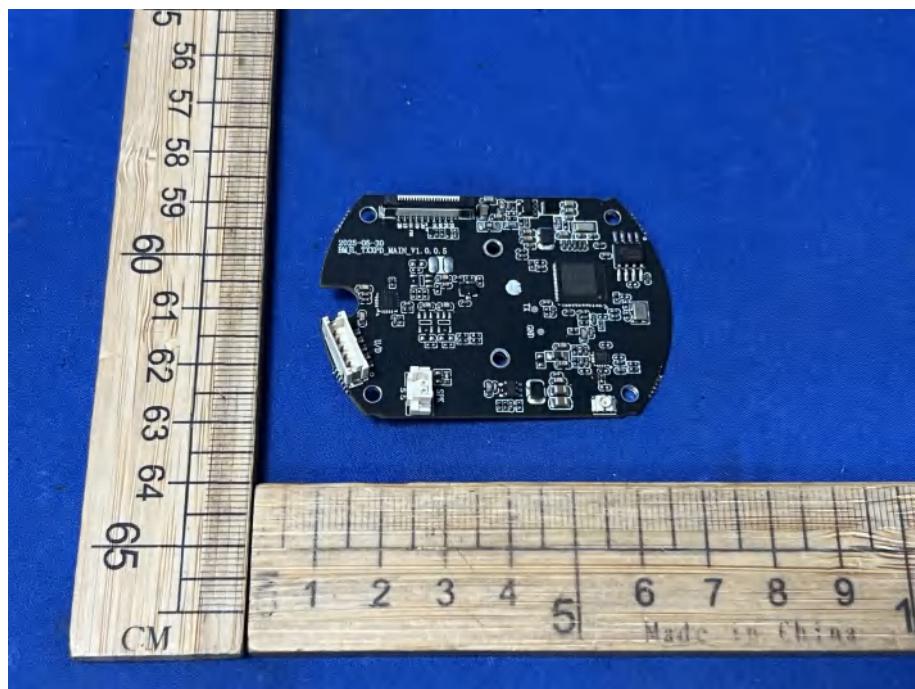
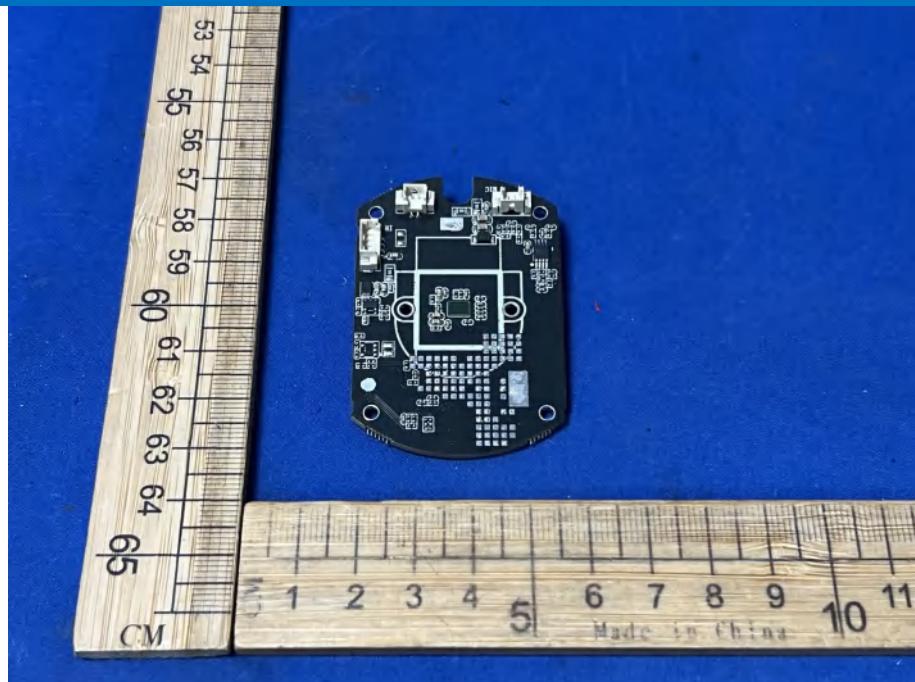














\*\*\* END OF REPORT \*\*\*