RF Test Report

For

Hunan Vathin Medical Instrument Co., Ltd.

Test Standards:	Part 15C Subpart C §15.247 RSS 247 Issue 3
Product Name:	Digital Video Monitor
Tested Model:	DVM-D1
FCC ID:	2AY4E-DVMD
IC:	27001-DVMD
Classification	(DTS) Digital Transmission System
Report No.:	EC2207002RF01
Tested Date:	2023-05-30 to 2023-08-08
Issued Date:	2023-08-08
Prepared By:	Jerry Wang / Engineer
Approved By:	Tiny Yang / RF Manager

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2023-08-08	Valid	Original Report

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Summary Of Test Result

FCC Rule	IC Rule	Description	Limit	Result	Remark
15.247(a)(2)	RSS-247 5.2(a)	6dB Bandwidth	≥ 0.5MHz	Pass	Test Engineer: Luo Xiang
-	RSS-Gen 6.7	99% Bandwidth	-	Pass	Test Engineer: Luo Xiang
15.247(b)(3)	RSS-247 A5.4(d)	Output Power	≤ 30dBm	Pass	Test Engineer: Luo Xiang
15.247(e)	RSS-247 5.2(b)	Power Spectral Density	≤ 8dBm/3kHz	Pass	Test Engineer: Luo Xiang
15.247(d)	RSS-247 5.5	Conducted Band Edges and Spurious Emission	≤ 30dBc	Pass	Test Engineer: Luo Xiang
15.247(d)	RSS-247 5.5 RSS-GEN 8.9	Radiated Band Edges and Spurious Emission	15.209(a) & 15.247(d) RSS-GEN 8.9	Pass	Under limit 3.66 dB at 2483.66 MHz
-	RSS-Gen 7.4	Receiver Radiated Emissions	Below 1G:2nW Above 1G:5nW	Pass	Test Engineer: Luo Xiang
15.207	RSS-GEN 8.8	AC Conducted Emission	15.207(a)	Pass	Under limit 0.67 dB at 0.208 MHz
15.203 & 15.247(b)	RSS-GEN 6.8	Antenna Requirement	15.203 & 15.247(b) RSS-GEN 6.8	Pass	-

1 Test Laboratory

1.1 Test facility

CNAS (accreditation number: L11138)

Hunan Ecloud Testing Technology Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (Designation number: CN1244 , Test Firm Registration Number: 793308)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

ISED(CAB identifier: CN0012, ISED# :24347)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the Wireless Device Testing Laboratories list of innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.

A2LA (Certificate Code : 4895.01)

Hunan Ecloud Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

2 General Description

2.1 Applicant

Hunan Vathin Medical Instrument Co., Ltd.
1/F, Building 12, Innovation and Entrepreneurship Service Center, No 9 Chuanqi west road, Jiuhua Economic Development Zone, 411100 Xiangtan, Hunan, China

2.2 Manufacturer

Hunan Vathin Medical Instrument Co., Ltd.
1/F, Building 12, Innovation and Entrepreneurship Service Center, No 9 Chuanqi west road, Jiuhua Economic Development Zone, 411100 Xiangtan, Hunan, China

2.3 General Description Of EUT

Product	Digital Video Monitor
Model No.	DVM-D1
Additional No.	N/A
Difference Description	N/A
FCC ID	2AY4E-DVMD
IC	27001-DVMD
Power Supply	15Vdc from Adapter(Input 100-240Vac) 10.8Vdc from Battery
Modulation Technology	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Type	802.11b : DSSS 802.11g/n : OFDM
Operating Frequency	2412-2462MHz
Number Of Channel	11
Max. Output Power	802.11b: 16.13 dBm (0.0410 W) 802.11g: 16.10 dBm (0.0407 W) 802.11n HT20: 15.58 dBm (0.0361 W)
Max. E.I.R.P.	18.13 dBm (0.0650 W)
Antenna Type	FPC Antenna with 2 dBi gain
HW Version	V1
SW Version	DVM-D1:V1
Sample no.	2207002R-B-1/1
Sample Received Date	2023/05/30
I/O Ports	Refer to user's manual

NOTE:

1. The above EUT information is declared by manufacturer. Our laboratory is not responsible for the information provided by the manufacturer.For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report. EUT can support charging mode and battery operation mode, only the worst charging mode data is listed in the report

3. The EUT was powered by the following adapters:

Adapter	
Brand:	SINPRO
Model:	HPU63A-106
Input:	AC 100-240V~47-63Hz,1.62-0.72A
Output:	DC 15V, 4.2A max

4. The EUT matched the following cable:

SDI Cable	
Brand:	N/A
Model:	N/A
Signal Line:	2.7 Meter/shielded

D-SUB9 Cable	
Brand:	N/A
Model:	N/A
Signal Line:	1.89 Meter/shielded

HDMI Cable	
Brand:	N/A
Model:	N/A
Signal Line:	2.7 Meter/shielded

2.4 Modification of EUT

No modifications are made to the EUT during all test items.

2.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247

- ANSI C63.10-2013
- KDB 558074 D01 15.247 Meas Guidance v05r02
- IC RSS-247 Issue 3

  IC RSS-Gen Issue 5

Remark:

1. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, ICES-003 recorded in a separate test report.

3 Test Configuration of Equipment Under Test

3.1 Descriptions of Test Mode

11 channels are provided for 802.11b, 802.11g and 802.11n(HT20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

The transmitter has a maximum peak conducted output power as follows:

Frequency Range(MHz)	Mode	Rate	Output Power(dBm)
2412~2462	802.11b	1Mbps	16.13
2412~2462	802.11g	6Mbps	16.10
2412~2462	802.11n HT20	MCS0	15.58

a. Radiated emission and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

3.2 Test Mode

3.2.1 Antenna Port Conducted Measurement

Summary table of Test Cases			
Test Item	**Modulation**		
	802.11 b	**802.11 g**	**802.11n HT20**
Conducted Test Cases	Mode 1: CH01 Mode 2: CH06 Mode 3: CH11	Mode 1: CH01 Mode 2: CH06 Mode 3: CH11	Mode 1: CH01 Mode 2: CH06 Mode 3: CH11

3.2.2 Radiated Emission Test (Below 1GHz)

Radiated Test Cases	**802.11 b**
	Mode 3: CH11

Note : 1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type. X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

2. Following channel(s) was (were) selected for the final test as listed above

3.2.3 Radiated Emission Test (Above 1GHz)

Test Item	**Modulation**		
	802.11 b	**802.11 g**	**802.11n HT20**
Radiated Test Cases	Mode 1: CH01 Mode 2: CH06 Mode 3: CH11	Mode 1: CH01 Mode 2: CH06 Mode 3: CH11	Mode 1: CH01 Mode 2: CH06 Mode 3: CH11

Note : 1. The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

2. Following channel(s) was (were) selected for the final test as listed above

3. For frequency above 18GHz, the measured value is much lower than the limit, therefore, it is not reflected in the report.

3.2.4 Power Line Conducted Emission Test:

AC Conducted Emission	Mode 1 : WLAN(2.4G) Link + SDI + RJ-45 + HDMI + USB Disk + H-Steriscope + D-SUBS9 + REMOTE +Adapter

3.2.5 Radiated receiver emissions Test:

Radiated Test Cases	Mode 1 : 802.11 b CH11

3.2.6 Support Equipment

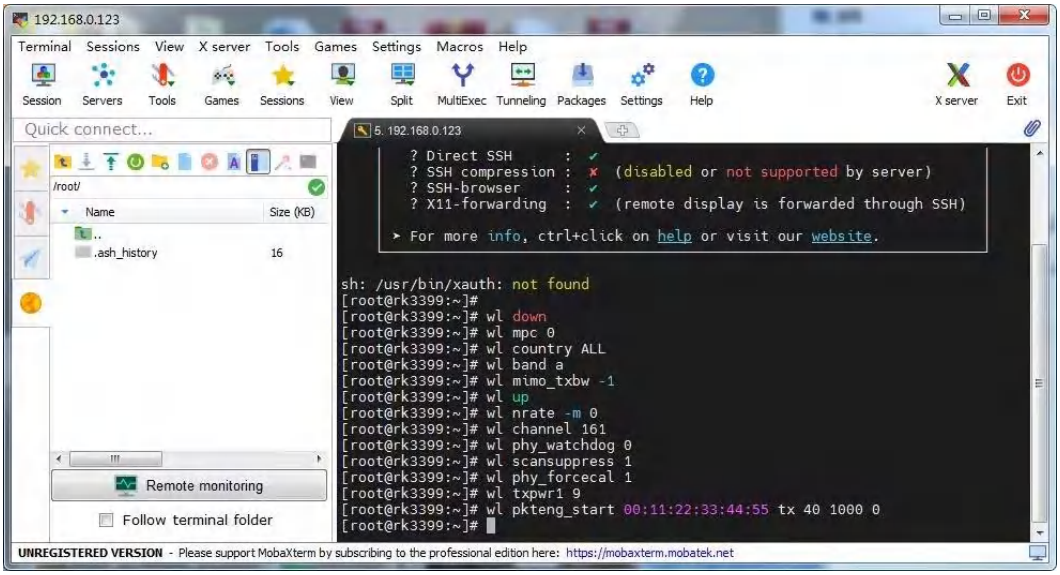
Manufacturer	Description	Model	Serial Number	FCC ID
Lenovo	Notebook Computer	ThinkPad E580	PF-12XLH6	FCC SDoC
NETGARE	WLAN AP	R7800	4H487A590021A	PY315100319
Lenovo	Notebook Computer	ThinkPad E470C	PF-OP4YX1	FCC SDoC
Vathin	H-Steriscope	BCV1-W2	217	FCC SDoC
Vathin	H-Steriscope	BCV1-W2	218	FCC SDoC
MEAN WELL	AC Adapter	GSM60A12	EC052C0458	FCC SDoC
JUSHA	LCD Monitor	E190C	DE190C12CBF29012	FCC SDoC
DELTA ELECTRONICS,INC.	AC Adapter	MDS-150AAS24B	E0NW9CK004Y	FCC SDoC
JUSHA	LCD Monitor	E240C	DE240C11CAC04009	FCC SDoC
N/A	3.5mm Audio Cable (Remote Port)	N/A	N/A	FCC SDoC
UGREEN	D-SUB9 To USB Converter	N/A	N/A	N/A
QUECTEL	USB Storage	N/A	N/A	N/A

3.3 Test Setup

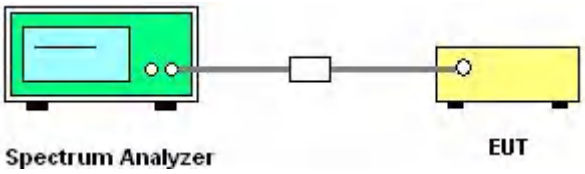
The EUT is continuously communicating to the WIFI tester during the tests.

EUT was set in the Hidden menu mode to enable WIFI communications.

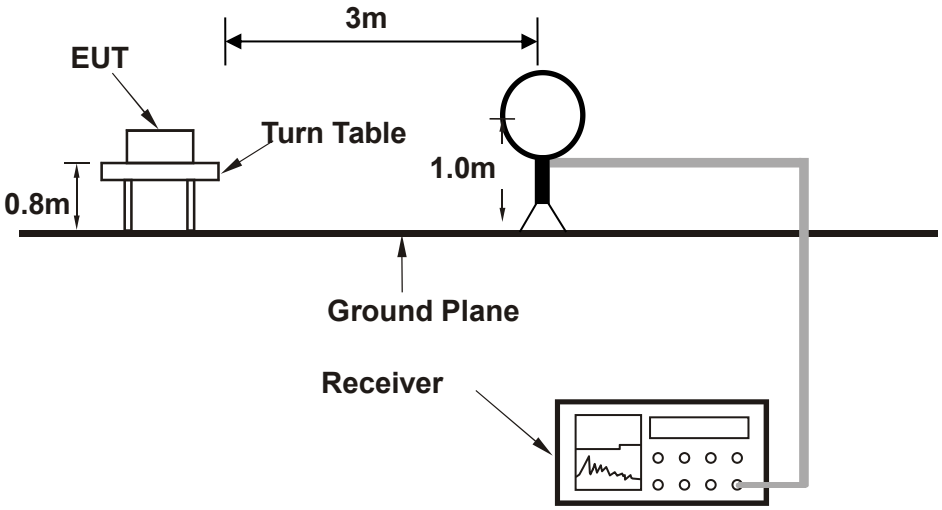
The following picture is a screenshot of the test software



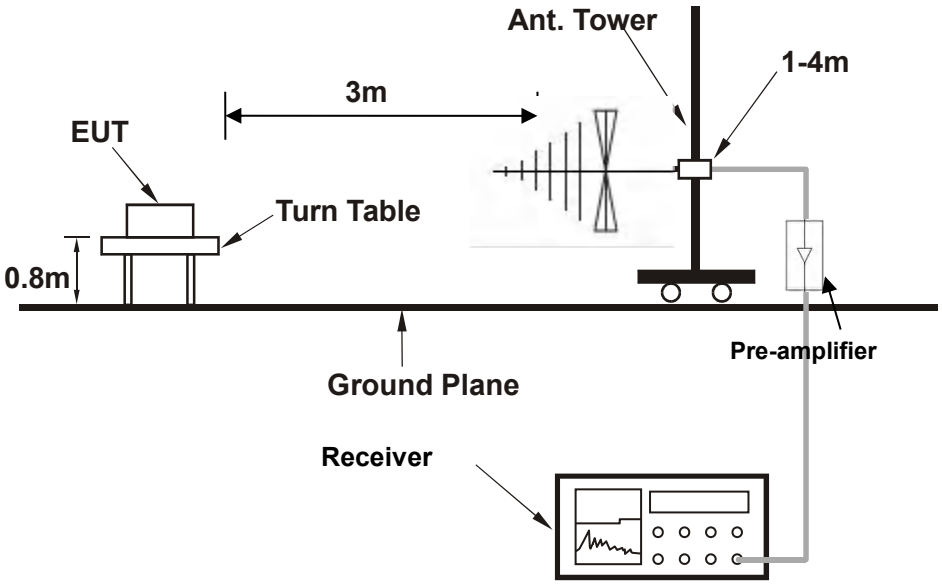
Setup diagram for Conducted Test



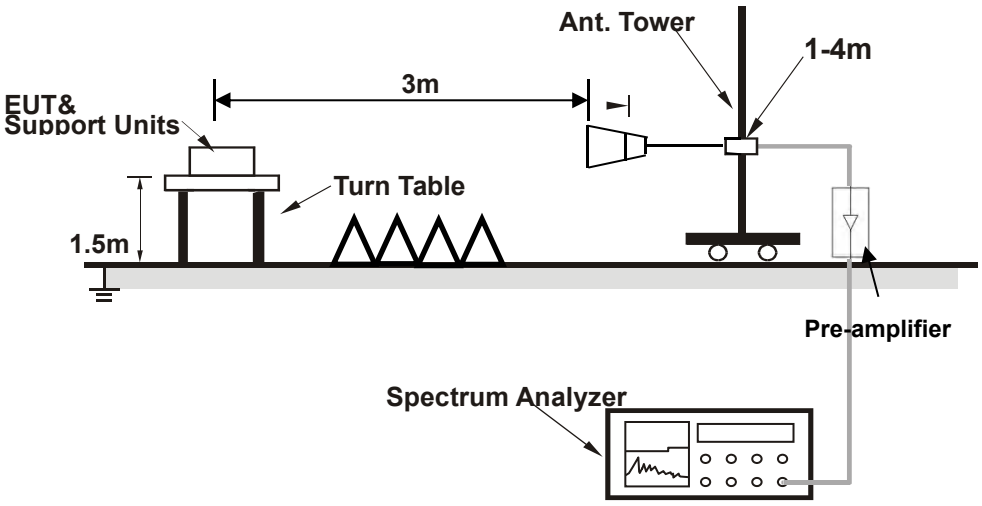
Setup diagram for Radiation(9KHz~30MHz) Test



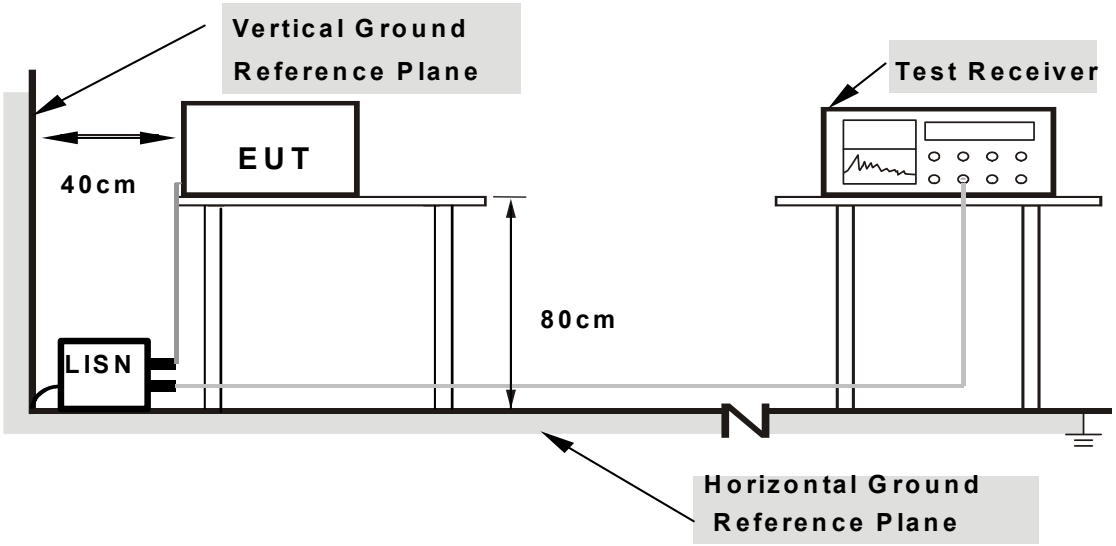
Setup diagram for Radiation(Below 1G) Test



Setup diagram for Radiation(Above1G) Test



Setup diagram for AC Conducted Emission Test



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 5 + 10 = 15 (dB)

For all radiated test items:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Over Limit (dB μ V/m) = Level(dB μ V/m) - Limit Level (dB μ V/m)

4 Test Result

4.1 DTS and Occupied Channel Bandwidth Measurement

4.1.1 Limit of 6dB Bandwidth

FCC §15.247 (a) (2)

IC RSS-247 5.2(a)

The minimum 6 dB bandwidth shall be at least 500 kHz.

4.1.2 Test Procedures

1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v05r02.
2. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
3. Turn on the EUT and connect it to measurement instrument.
4. Set to the maximum power setting and enable Transmitting the EUT transmit continuously
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) setting should be 1%-5% of OBW, please revise and set the Video bandwidth (VBW) ≥3* RBW.
6. According to RSS-GEN section 6.7, for IC 6 dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) setting should be 1%-5% of OBW, and set the Video bandwidth (VBW) ⩾3* RBW.

4.1.3 Test Result of 6dB Bandwidth

Refer to Appendix A of this test report.

4.1.4 Test Result of 99% Bandwidth

Refer to Appendix B of this test report.

4.2 Maximum Conducted Output Power Measurement

4.2.1 Limit of Output Power

FCC §15.247 (b)(3)

For systems using digital modulation in the 2400-2483.5 MHz bands: 30dBm.

IC RSS-247 A5.4(d)

For DTSs employing digital modulation techniques operating in the bands 902-928MHz and 2400-2483.5MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W, except as provided in section 5.4(e)

4.2.2 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2013 section 11.9.2.2.4 Measurement using a spectrum analyzer.
2. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
3. Turn on the EUT and connect it to spectrum analyzer.
4. Set to the maximum power setting and enaBle Transmitting the EUT transmit continuously
5. Measure the duty cycle, x, of the transmitter output signal as described in below:
   a. Set the center frequency of the instrument to the center frequency of the transmission.
   b. Set RBW to the largest available Transmitting value.
   c. Set detector = peak
6. Set span to at least 1.5*OBW.Set RBW=510KHz,VBW=2MHz, Number of points in sweep ≥ 2/3* span, Sweep time = auto. Detector = RMS
7. Allow the sweep to “free run”. Trace average 100 traces in RMS mode
8. Compute power by integrating the spectrum across the OBW of the signal using the instrument’s Channel power measurement function with band limits set equal to the OBW band edges.
9. Add 10 log (1/x), where x is the duty cycle. The duty cycle factor has been compensated to the “offset ” of the spectrum analyser.

4.2.3 Test Result of Output Power

Refer to Appendix C of this test report.

4.2.4 Test Result of Duty Cycle

Refer to Appendix D of this test report.

4.3 Maximum Power Spectral Density Measurement

4.3.1 Limits of Power Spectral Density

FCC§15.247(e)

IC RSS-247 5.2(b)

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

4.3.2 Test Procedure

1. The testing follows Measurement Procedure 8.4 DTS maximum power spectral density level in the fundamental emission of ANSI C63.10-2013 section 11.10.5
2. Turn on the EUT and connect it to measurement instrument.
3. Measure the duty cycle, x, of the transmitter output signal as described in below:
   a. Set the center frequency of the instrument to the center frequency of the transmission.
   b. Set RBW to the largest availaBle Transmitting value.
   c. Set detector = peak
4. Set span to at least 1.5*OBW.Set RBW= 30 KHz,VBW=100 KHz, Number of points in sweep ≥ 2/3* span, Sweep time = auto.
5. Detector = power averaging (rms), Sweep time = auto couple, Trace mode = averaging (rms) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level.
6. Add 10 log (1/x), where x is the duty cycle.
7. Measure and record the results in the test report.
8. The Measured power density (dBm)/ 100kHz is a reference level and used as 30dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.
9. Add 10 log(1/x), where x is the duty cycle. The duty cycle factor has been compensated to the ‘offset ” of the spectrum analyser.

4.3.3 Test Result of Power Spectral Density

Refer to Appendix E of this test report.

4.4 Band Edges and Spurious Emission Measurement

4.4.1 Limit of Conducted Band Edges and Spurious Emission

FCC §15.247 (d)

IC RSS-247 5.5

Maximum conducted (average) output power was used to determine compliance, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

4.4.2 Test Procedures

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect it to measurement instrument.
3. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. 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 per 15.247(d).
4. Measure and record the results in the test report.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

4.4.3 Test Result of Conducted Band Edges

Refer to Appendix F of this test report.

4.4.4 Test Result of Conducted Spurious Emission

Refer to Appendix G of this test report.

4.5 Radiated Band Edges and Spurious Emission Measurement

4.5.1 Limit of Radiated Band Edges and Spurious Emission

FCC §15.247 (d)

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 30 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

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

RSS-GEN 8.9

Frequency (MHz)	Magnetic field strength (H-Field) (μA/m)	Measurement Distance (meters)
0.009 – 0.490	6.37/F (F in kHz)	300
0.490 – 1.705	6.37/F (F in kHz)	30
1.705 – 30.0	0.08	30

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

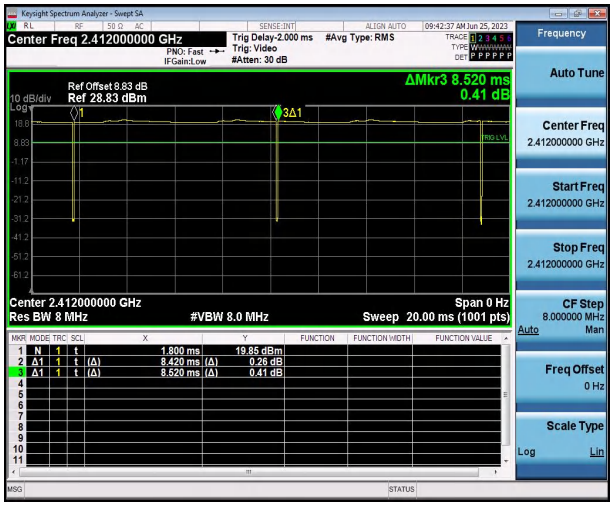
4.5.2 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The measurement distance is 3 meter.
3. For each suspected emission, the EUT was arranged to its worst case and then tune the

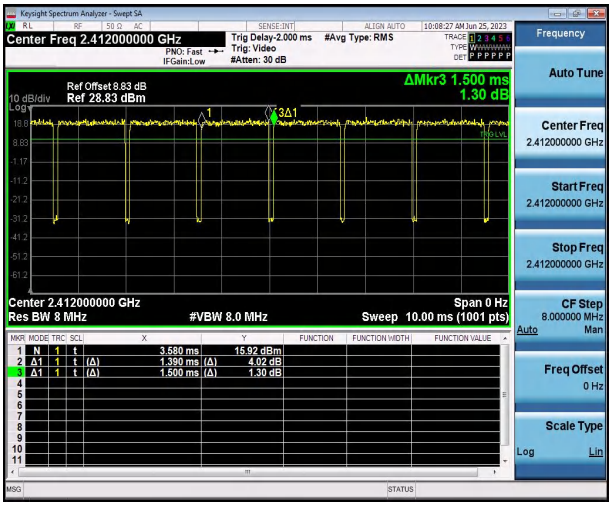
Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.

4. Set to the maximum power setting and enable the EUT transmit continuously.
5. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz, RBW=1MHz for f>1GHz ; VBW≥3×RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
   (3) For average measurement:
   VBW = 10 Hz, when duty cycle is no less than 98 percent.
   VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

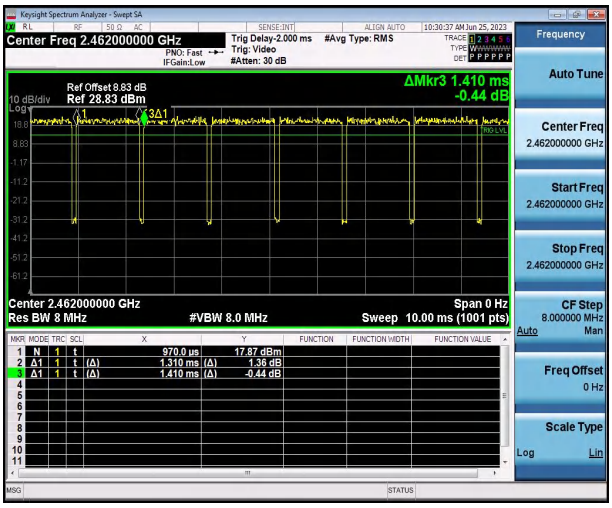
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	98.83	-	-	10Hz
802.11g	92.67	1.39	0.72	1KHz
802.11n HT20	92.91	1.31	0.76	1KHz



802.11b



802.11g



802.11n HT20

6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

7. Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

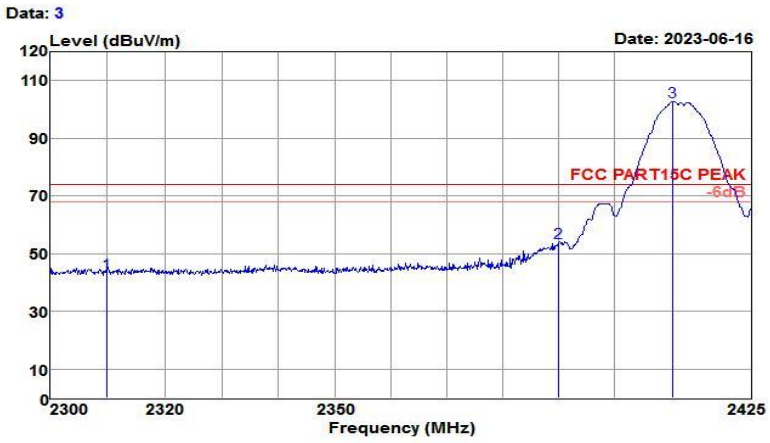
4.5.3 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

4.5.4 Test Result of Radiated Spurious at Band Edges

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Horizontal

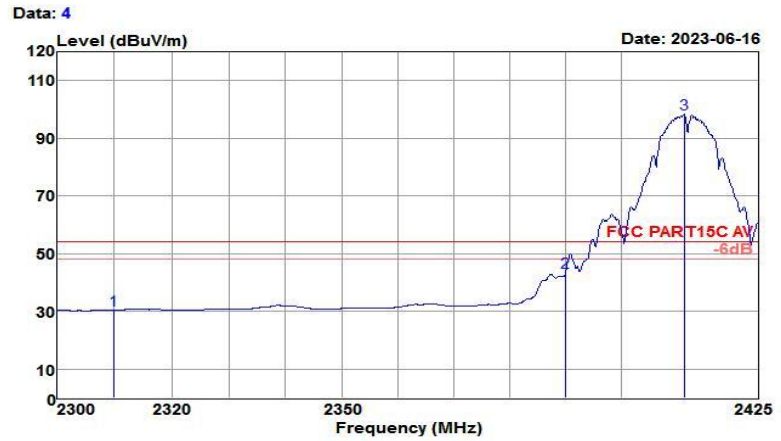
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	47.36	27.38	4.08	35.71	43.11	74.00	-30.89	Peak
2390.000	57.87	27.56	4.16	35.90	53.69	74.00	-20.31	Peak
2410.625	106.97	27.60	4.17	35.94	102.80	74.00	28.80	Peak

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Horizontal

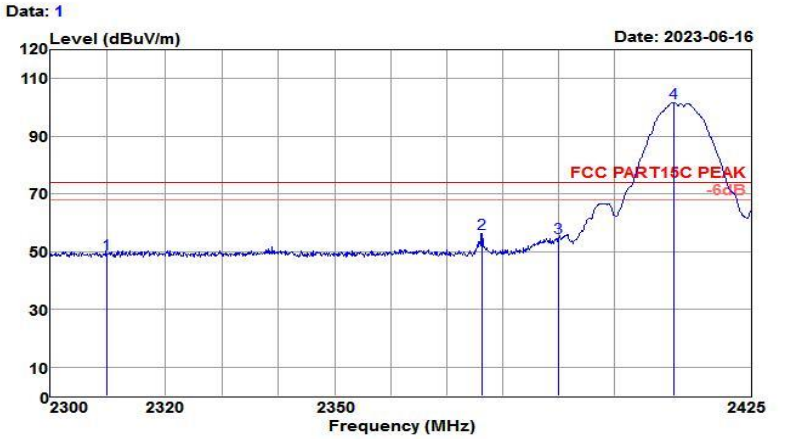
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	34.81	27.38	4.08	35.71	30.56	54.00	-23.44	Average
2390.000	47.85	27.56	4.16	35.90	43.67	54.00	-10.33	Average
2411.375	102.45	27.61	4.17	35.95	98.28	54.00	44.28	Average

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Vertical

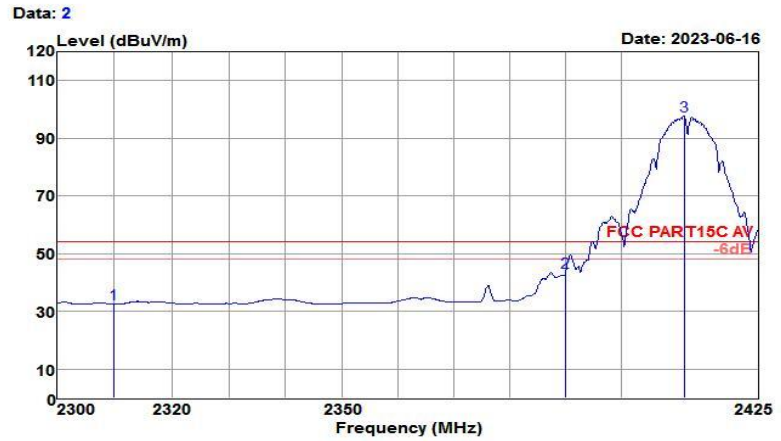
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	53.52	27.38	4.08	35.71	49.27	74.00	-24.73	Peak
2376.125	60.41	27.53	4.15	35.87	56.22	74.00	-17.78	Peak
2390.000	59.14	27.56	4.16	35.90	54.96	74.00	-19.04	Peak
2410.750	105.88	27.60	4.17	35.94	101.71	74.00	27.71	Peak

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Vertical

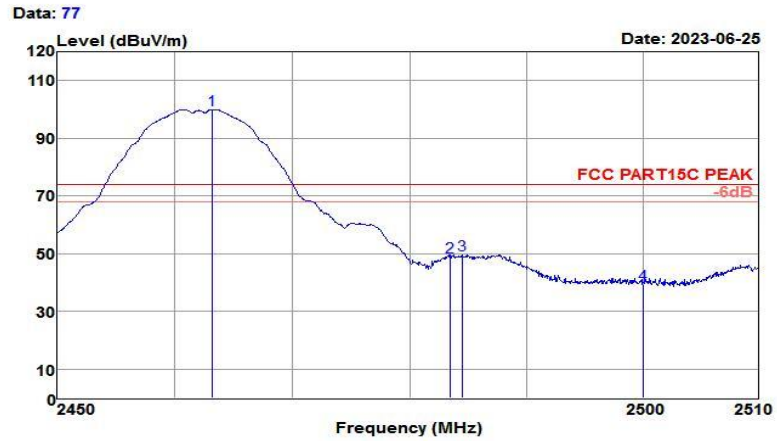
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	36.81	27.38	4.08	35.71	32.56	54.00	-21.44	Average
2390.000	47.81	27.56	4.16	35.90	43.63	54.00	-10.37	Average
2411.375	101.79	27.61	4.17	35.95	97.62	54.00	43.62	Average

Test Mode :	802.11b CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Horizontal

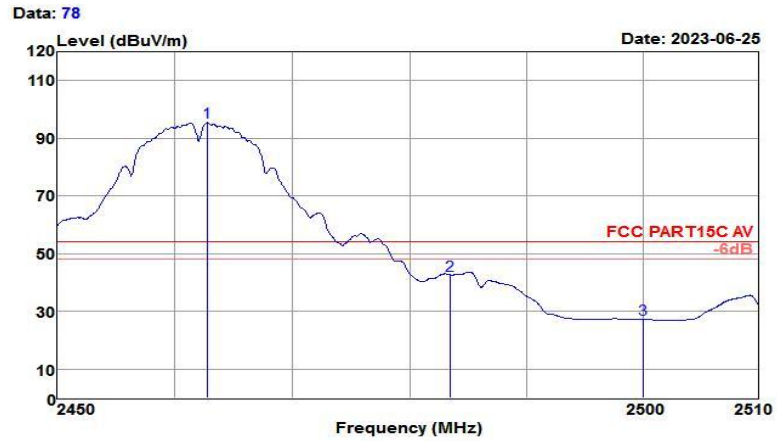
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2463.200	104.00	27.43	4.69	36.14	99.98	74.00	25.98	Peak
2483.500	52.95	27.47	4.75	36.20	48.97	74.00	-25.03	Peak
2484.440	53.61	27.47	4.76	36.20	49.64	74.00	-24.36	Peak
2500.000	43.12	27.50	4.81	36.25	39.18	74.00	-34.82	Peak

Test Mode :	802.11b CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Horizontal

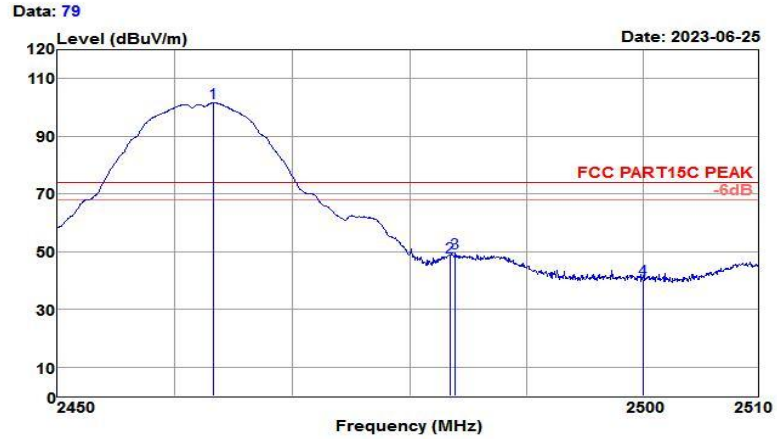
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2462.780	99.48	27.43	4.69	36.14	95.46	54.00	41.46	Average
2483.500	46.59	27.47	4.75	36.20	42.61	54.00	-11.39	Average
2500.000	31.26	27.50	4.81	36.25	27.32	54.00	-26.68	Average

Test Mode :	802.11b CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Vertical

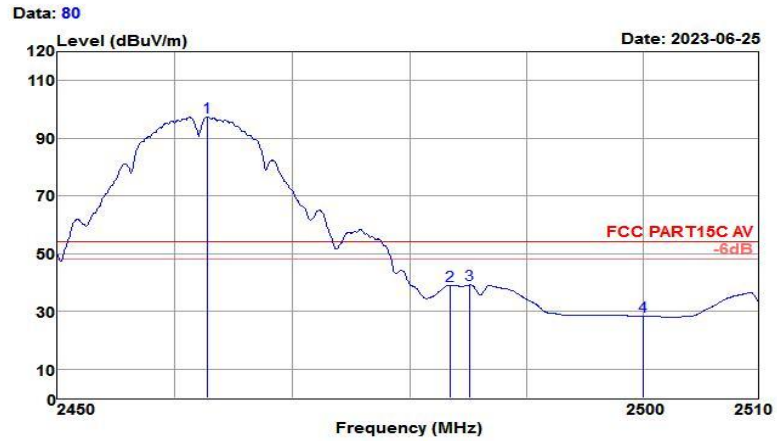
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2463.260	105.56	27.43	4.69	36.14	101.54	74.00	27.54	Peak
2483.500	52.30	27.47	4.75	36.20	48.32	74.00	-25.68	Peak
2483.900	53.48	27.47	4.76	36.20	49.51	74.00	-24.49	Peak
2500.000	44.27	27.50	4.81	36.25	40.33	74.00	-33.67	Peak

Test Mode :	802.11b CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Vertical

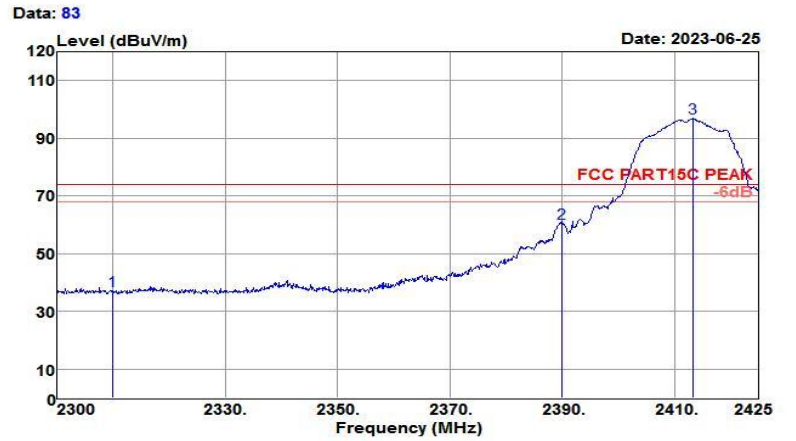
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2462.780	101.51	27.43	4.69	36.14	97.49	54.00	43.49	Average
2483.500	42.96	27.47	4.75	36.20	38.98	54.00	-15.02	Average
2485.160	43.12	27.47	4.76	36.21	39.14	54.00	-14.86	Average
2500.000	32.36	27.50	4.81	36.25	28.42	54.00	-25.58	Average

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Horizontal

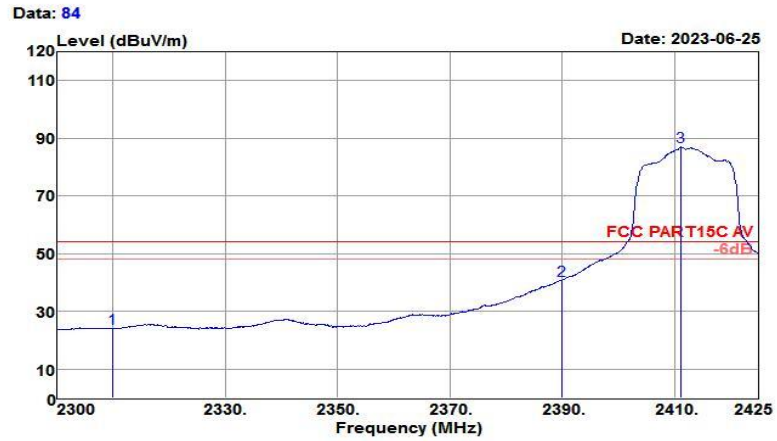
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	41.49	27.12	4.15	35.70	37.06	74.00	-36.94	Peak
2390.000	64.76	27.28	4.46	35.93	60.57	74.00	-13.43	Peak
2413.375	101.00	27.33	4.54	36.00	96.87	74.00	22.87	Peak

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Horizontal

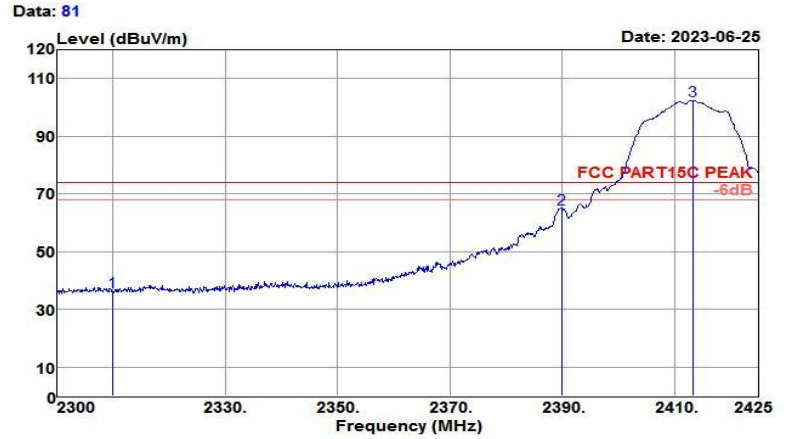
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	28.65	27.12	4.15	35.70	24.22	54.00	-29.78	Average
2390.000	44.97	27.28	4.46	35.93	40.78	54.00	-13.22	Average
2411.125	91.06	27.32	4.53	35.99	86.92	54.00	32.92	Average

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Vertical

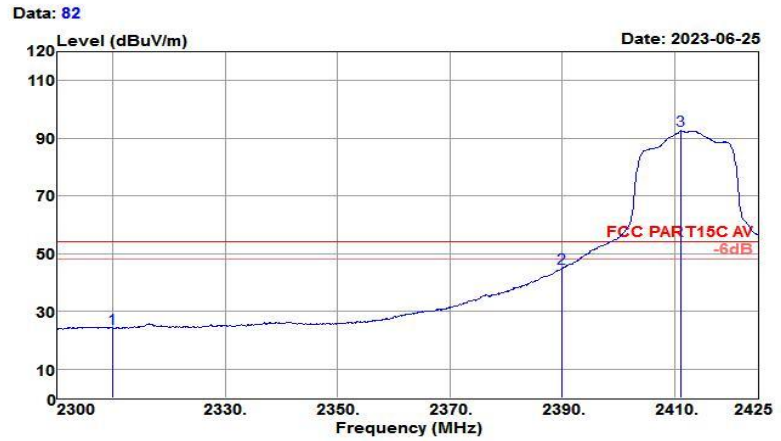
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	40.55	27.12	4.15	35.70	36.12	74.00	-37.88	Peak
2390.000	69.02	27.28	4.46	35.93	64.83	74.00	-9.17	Peak
2413.375	106.62	27.33	4.54	36.00	102.49	74.00	28.49	Peak

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Vertical

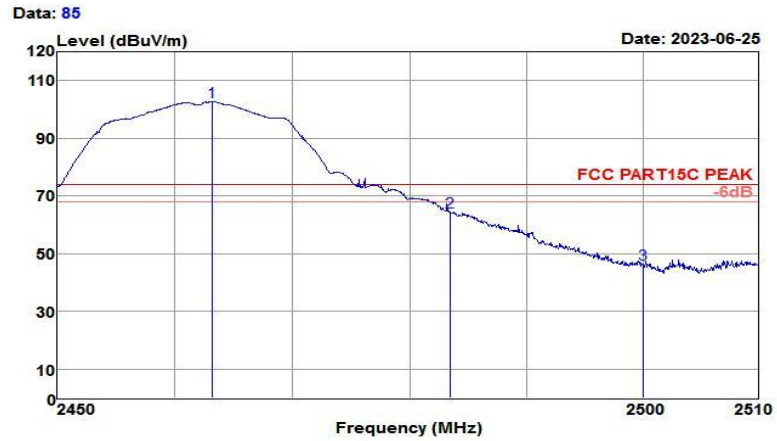
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	28.63	27.12	4.15	35.70	24.20	54.00	-29.80	Average
2390.000	49.08	27.28	4.46	35.93	44.89	54.00	-9.11	Average
2411.250	96.78	27.32	4.53	35.99	92.64	54.00	38.64	Average

Test Mode :	802.11g CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Horizontal

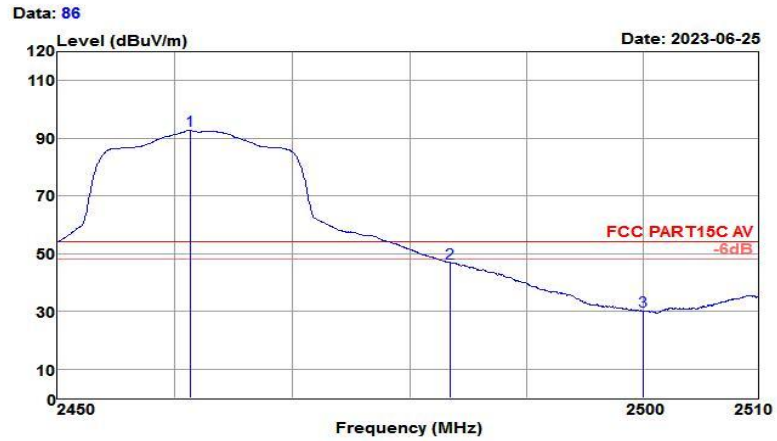
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2463.140	106.71	27.43	4.69	36.14	102.69	74.00	28.69	Peak
2483.500	68.53	27.47	4.75	36.20	64.55	74.00	-9.45	Peak
2500.000	50.19	27.50	4.81	36.25	46.25	74.00	-27.75	Peak

Test Mode :	802.11g CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Horizontal

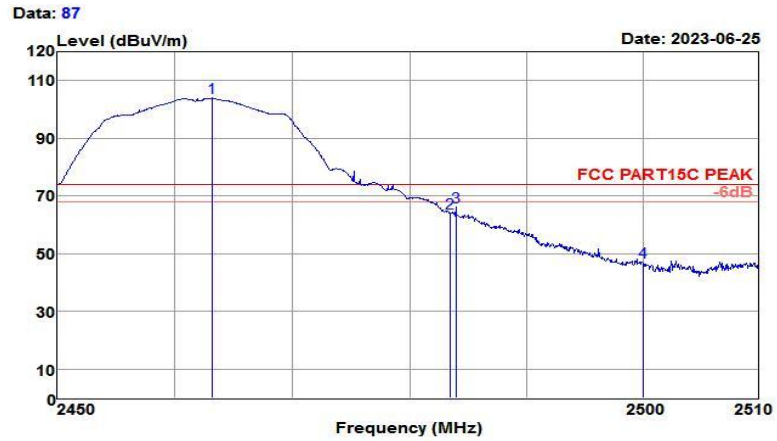
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2461.280	96.82	27.42	4.69	36.14	92.79	54.00	38.79	Average
2483.500	50.83	27.47	4.75	36.20	46.85	54.00	-7.15	Average
2500.000	33.95	27.50	4.81	36.25	30.01	54.00	-23.99	Average

Test Mode :	802.11g CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Vertical

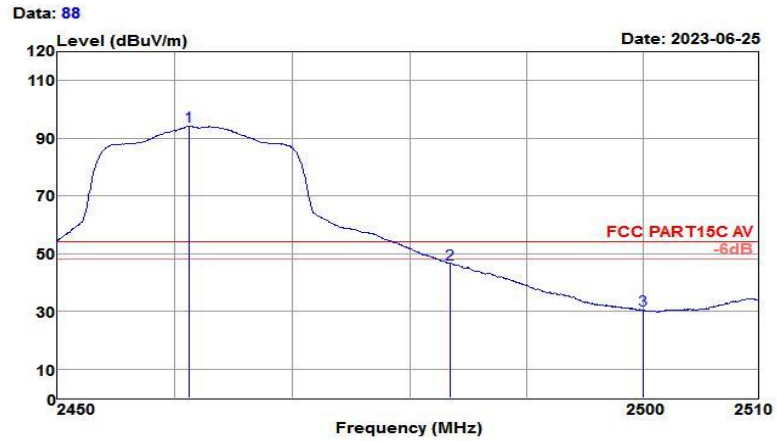
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2463.200	107.94	27.43	4.69	36.14	103.92	74.00	29.92	Peak
2483.500	68.06	27.47	4.75	36.20	64.08	74.00	-9.92	Peak
2483.960	70.11	27.47	4.76	36.20	66.14	74.00	-7.86	Peak
2500.000	51.20	27.50	4.81	36.25	47.26	74.00	-26.74	Peak

Test Mode :	802.11g CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Vertical

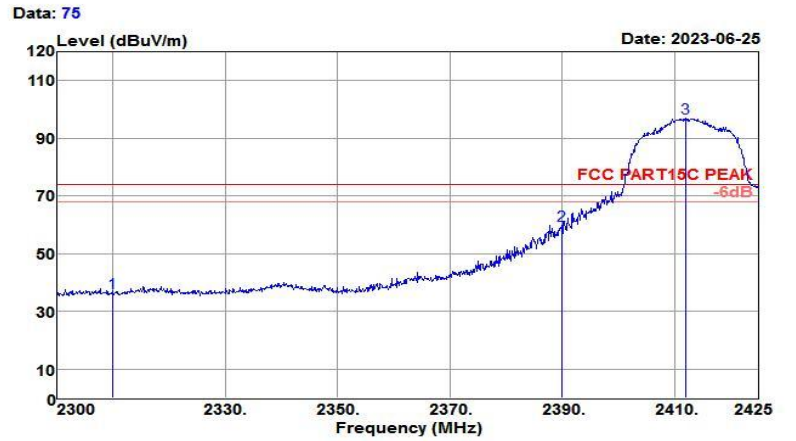
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2461.220	98.27	27.42	4.69	36.14	94.24	54.00	40.24	Average
2483.500	50.42	27.47	4.75	36.20	46.44	54.00	-7.56	Average
2500.000	34.39	27.50	4.81	36.25	30.45	54.00	-23.55	Average

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Horizontal

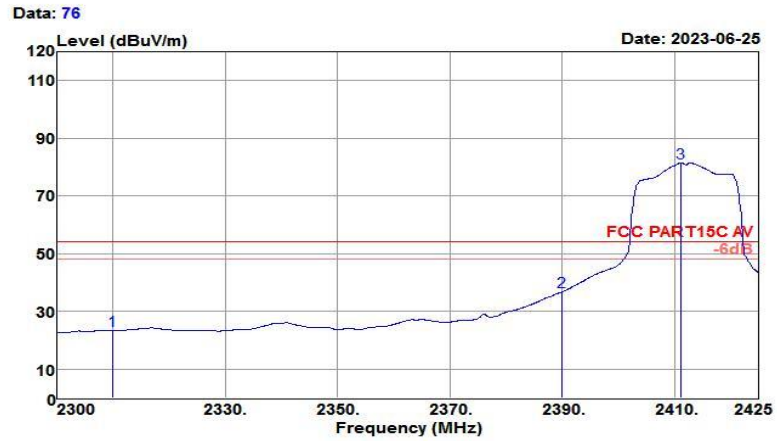
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	41.01	27.12	4.15	35.70	36.58	74.00	-37.42	Peak
2390.000	64.09	27.28	4.46	35.93	59.90	74.00	-14.10	Peak
2412.000	100.97	27.32	4.54	35.99	96.84	74.00	22.84	Peak

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Horizontal

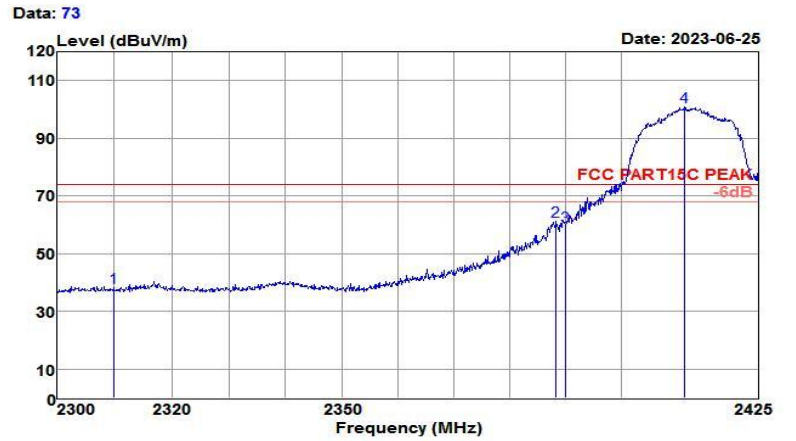
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	27.71	27.12	4.15	35.70	23.28	54.00	-30.72	Average
2390.000	40.99	27.28	4.46	35.93	36.80	54.00	-17.20	Average
2411.250	85.64	27.32	4.53	35.99	81.50	54.00	27.50	Average

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Vertical

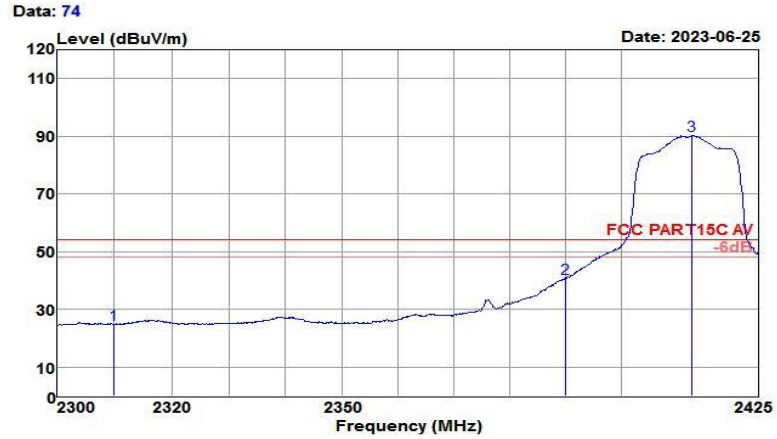
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	42.56	27.12	4.15	35.70	38.13	74.00	-35.87	Peak
2388.250	65.60	27.28	4.45	35.93	61.40	74.00	-12.60	Peak
2390.000	63.65	27.28	4.46	35.93	59.46	74.00	-14.54	Peak
2411.375	104.90	27.32	4.53	35.99	100.76	74.00	26.76	Peak

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.3GHz~2.425GHz	Polarization :	Vertical

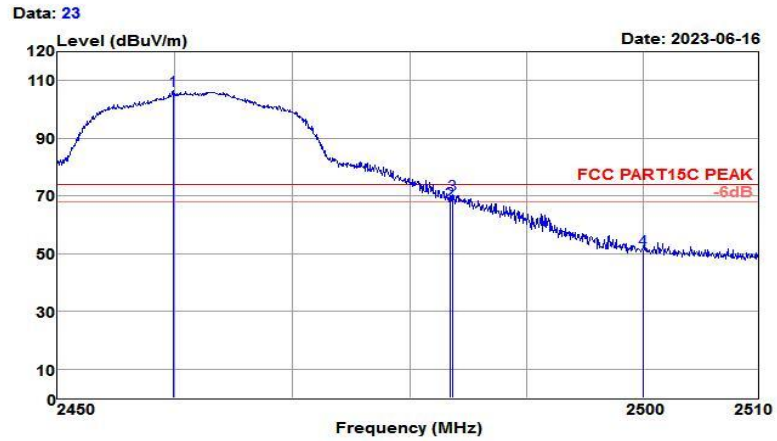
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	29.27	27.12	4.15	35.70	24.84	54.00	-29.16	Average
2390.000	44.97	27.28	4.46	35.93	40.78	54.00	-13.22	Average
2412.875	94.54	27.33	4.54	36.00	90.41	54.00	36.41	Average

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Horizontal

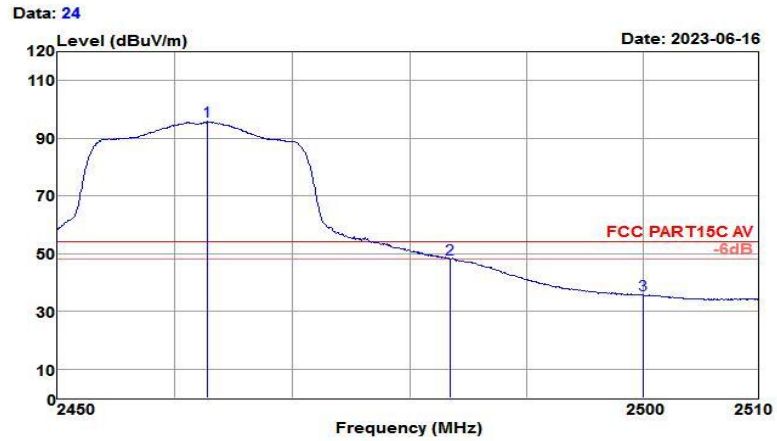
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2459.900	110.70	27.71	4.18	36.06	106.53	74.00	32.53	Peak
2483.500	72.30	27.76	4.19	36.11	68.14	74.00	-5.86	Peak
2483.660	74.50	27.76	4.19	36.11	70.34	74.00	-3.66	Peak
2500.000	55.65	27.80	4.19	36.15	51.49	74.00	-22.51	Peak

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Horizontal

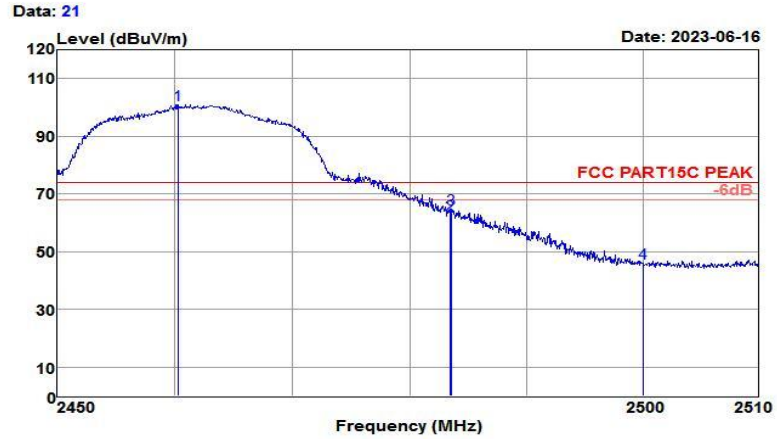
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2462.780	99.96	27.72	4.19	36.06	95.81	54.00	41.81	Average
2483.500	52.22	27.76	4.19	36.11	48.06	54.00	-5.94	Average
2500.000	40.07	27.80	4.19	36.15	35.91	54.00	-18.09	Average

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2460.320	105.14	27.71	4.19	36.06	100.98	74.00	26.98	Peak
2483.500	66.73	27.76	4.19	36.11	62.57	74.00	-11.43	Peak
2483.600	68.93	27.76	4.19	36.11	64.77	74.00	-9.23	Peak
2500.000	50.27	27.80	4.19	36.15	46.11	74.00	-27.89	Peak

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	2.45GHz~2.51GHz	Polarization :	Vertical

```
Test Site    : 3m Chamber                  Temp/Humi    : 23℃/61%
Tested by    : Jack                        Pol/Phase    : VERTICAL
Test Mode    : 802.11N HT20 CH11(2462MHz)  Power rating: DC 15V
EUT          : Digital Video Monitor        Comment     :
Model No.    : DVM-D1
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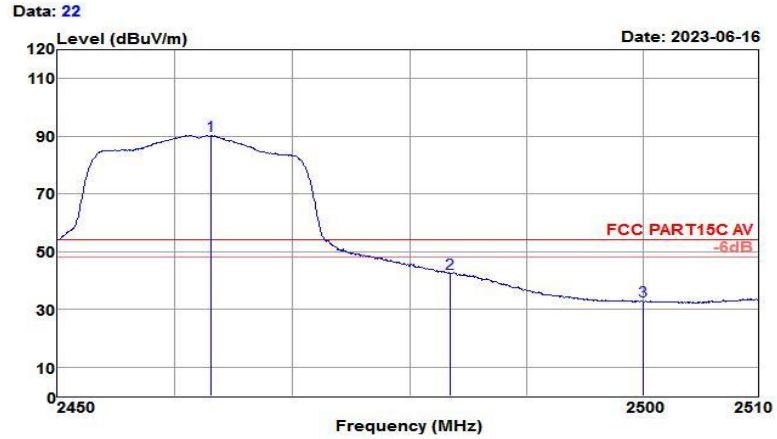
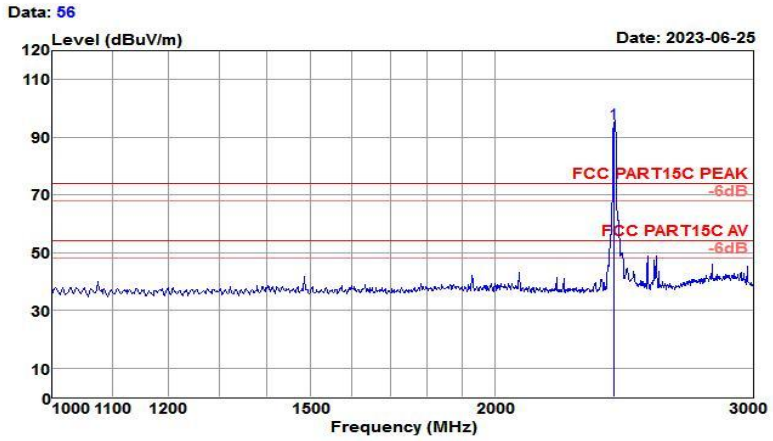


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2463.020	94.43	27.72	4.19	36.06	90.28	54.00	36.28	Average
2483.500	46.49	27.76	4.19	36.11	42.33	54.00	-11.67	Average
2500.000	37.14	27.80	4.19	36.15	32.98	54.00	-21.02	Average

4.5.1 Test Result of Radiated Spurious Emission (1GHz ~ 10th Harmonic)

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

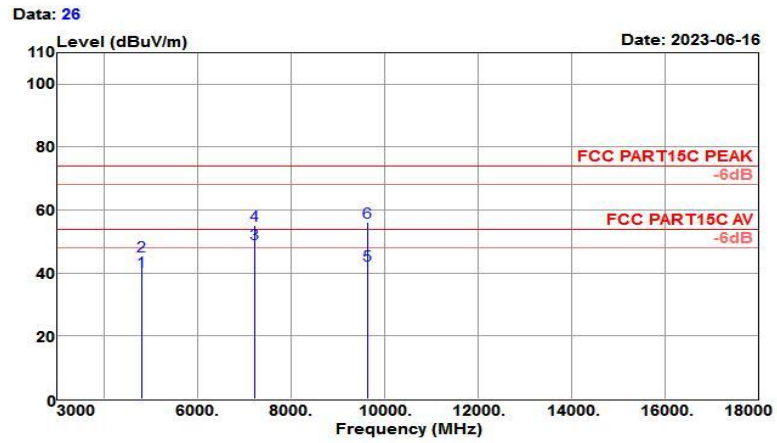
```
Test Site    : 3m Chamber                Temp/Humi    : 23℃/61%
Tested by    : Jack                      Pol/Phase    : HORIZONTAL
Test Mode    : 802.11b CH01(2412MHz)     Power rating: DC 15V
EUT          : Digital Video Monitor      Comment     :
Model No.    : DVM-D1
```



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2412.000	99.03	27.32	4.54	35.99	94.90	74.00	20.90	Peak

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

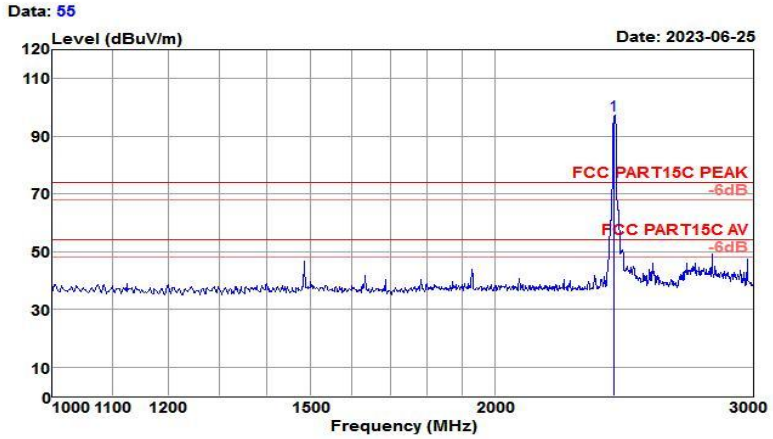


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	39.00	30.95	6.59	36.01	40.53	54.00	-13.47	Average
4824.000	43.88	30.95	6.59	36.01	45.41	74.00	-28.59	Peak
7236.000	39.52	35.47	8.71	34.34	49.36	54.00	-4.64	Average
7236.000	45.33	35.47	8.71	34.34	55.17	74.00	-18.83	Peak
9648.000	26.76	38.42	11.55	34.26	42.47	54.00	-11.53	Average
9648.000	40.46	38.42	11.55	34.26	56.17	74.00	-17.83	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

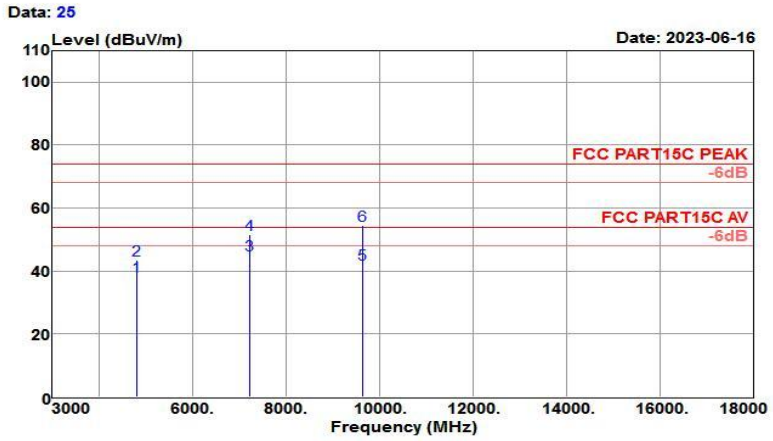
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2412.000	101.52	27.32	4.54	35.99	97.39	74.00	23.39	Peak

Test Mode :	802.11b CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

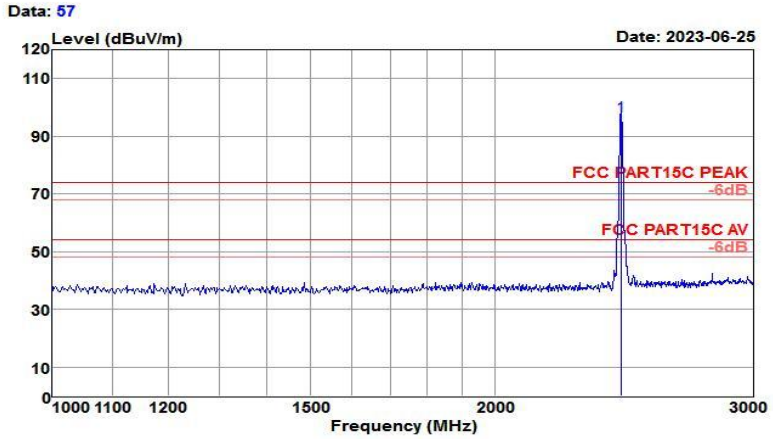


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	36.63	30.95	6.59	36.01	38.16	54.00	-15.84	Average
4824.000	41.95	30.95	6.59	36.01	43.48	74.00	-30.52	Peak
7236.000	35.26	35.47	8.71	34.34	45.10	54.00	-8.90	Average
7236.000	41.64	35.47	8.71	34.34	51.48	74.00	-22.52	Peak
9648.000	26.34	38.42	11.55	34.26	42.05	54.00	-11.95	Average
9648.000	38.94	38.42	11.55	34.26	54.65	74.00	-19.35	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11b CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

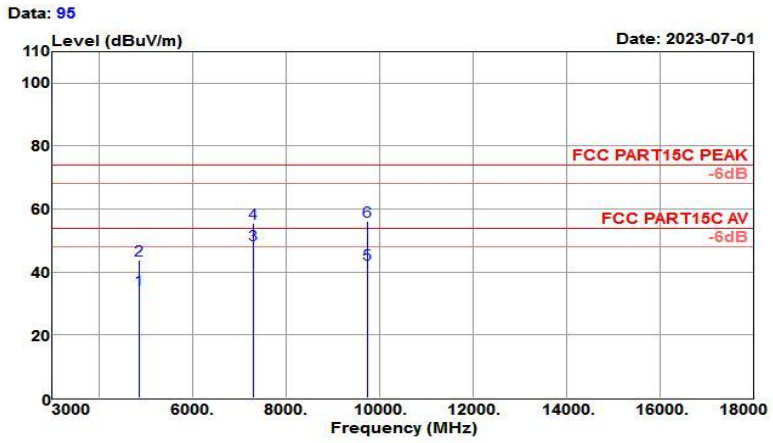
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2437.000	101.07	27.37	4.61	36.07	96.98	74.00	22.98	Peak

Test Mode :	802.11b CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

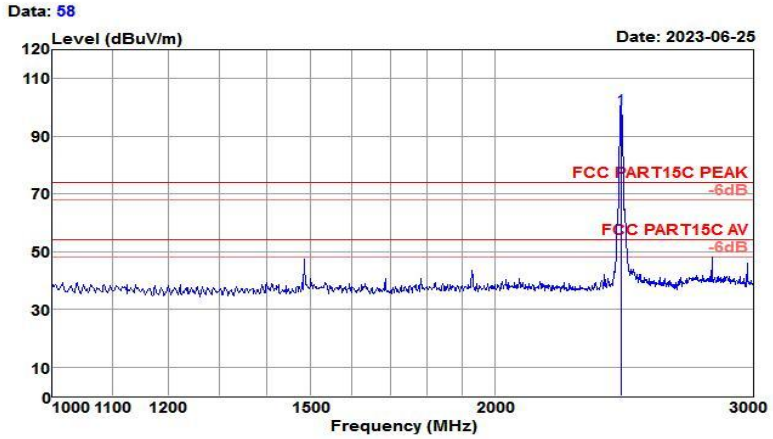


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	31.78	31.27	6.84	35.51	34.38	54.00	-19.62	Average
4874.000	41.29	31.27	6.84	35.51	43.89	74.00	-30.11	Peak
7311.000	36.61	35.78	9.05	32.63	48.81	54.00	-5.19	Average
7311.000	43.35	35.78	9.05	32.63	55.55	74.00	-18.45	Peak
9748.000	26.68	38.50	11.28	33.87	42.59	54.00	-11.41	Average
9748.000	40.18	38.50	11.28	33.87	56.09	74.00	-17.91	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11b CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

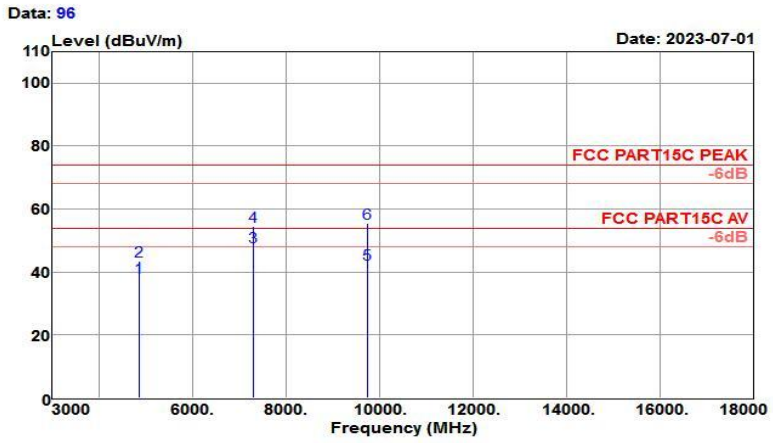
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2437.000	103.52	27.37	4.61	36.07	99.43	74.00	25.43	Peak

Test Mode :	802.11b CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

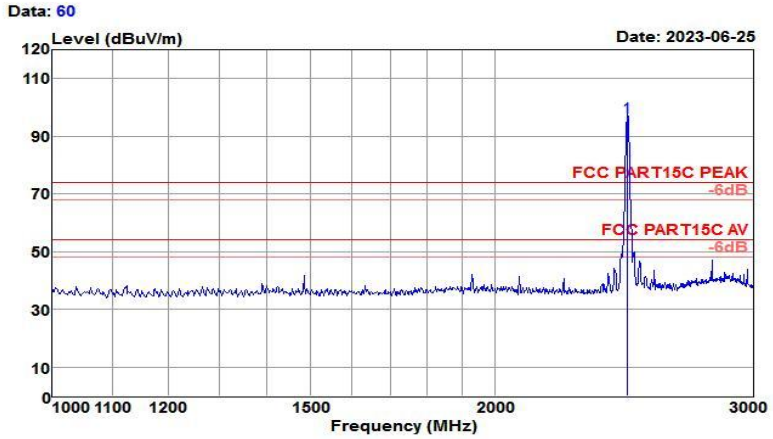


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	35.81	31.27	6.84	35.51	38.41	54.00	-15.59	Average
4874.000	40.93	31.27	6.84	35.51	43.53	74.00	-30.47	Peak
7311.000	35.74	35.78	9.05	32.63	47.94	54.00	-6.06	Average
7311.000	42.42	35.78	9.05	32.63	54.62	74.00	-19.38	Peak
9748.000	26.53	38.50	11.28	33.87	42.44	54.00	-11.56	Average
9748.000	39.67	38.50	11.28	33.87	55.58	74.00	-18.42	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11b CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

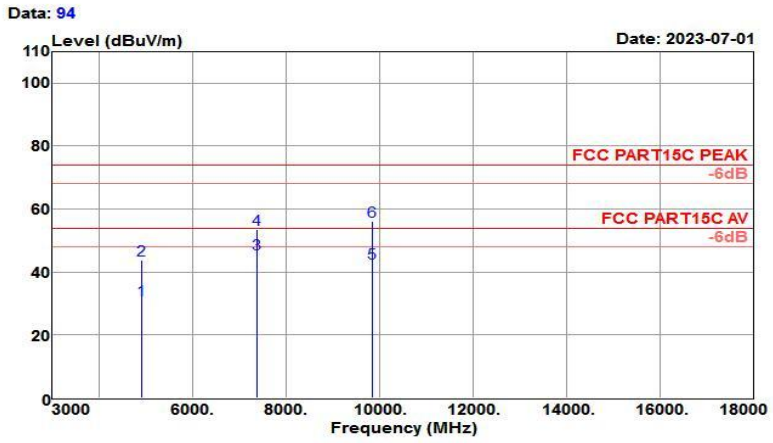
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2462.000	100.71	27.42	4.69	36.14	96.68	74.00	22.68	Peak

Test Mode :	802.11b CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

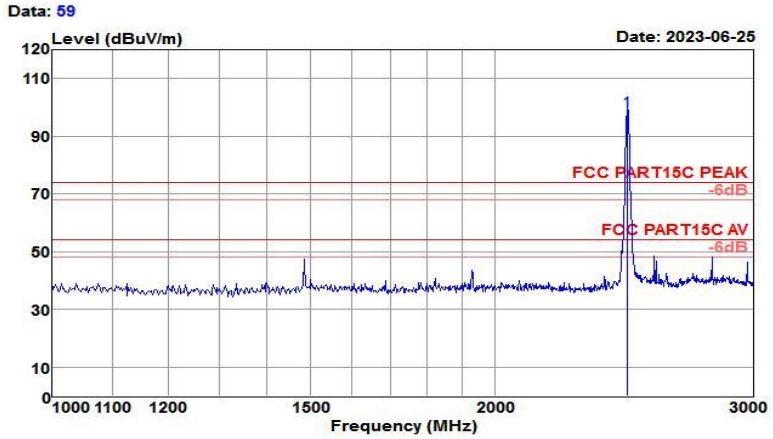


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	28.11	31.36	7.26	35.51	31.22	54.00	-22.78	Average
4924.000	40.76	31.36	7.26	35.51	43.87	74.00	-30.13	Peak
7386.000	33.12	35.95	9.38	32.76	45.69	54.00	-8.31	Average
7386.000	41.05	35.95	9.38	32.76	53.62	74.00	-20.38	Peak
9848.000	26.72	38.54	11.54	34.04	42.76	54.00	-11.24	Average
9848.000	40.19	38.54	11.54	34.04	56.23	74.00	-17.77	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11b CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

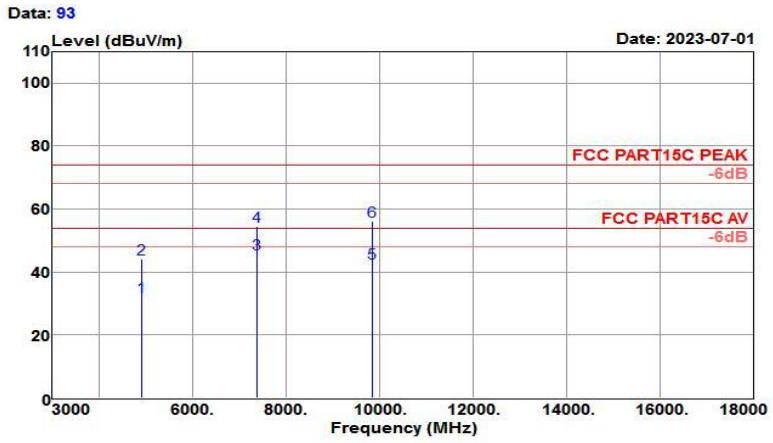
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2462.000	102.94	27.42	4.69	36.14	98.91	74.00	24.91	Peak

Test Mode :	802.11b CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

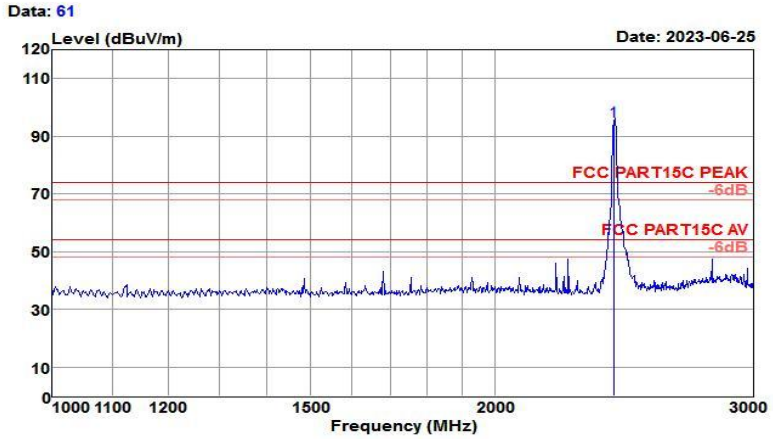


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	29.03	31.36	7.26	35.51	32.14	54.00	-21.86	Average
4924.000	41.16	31.36	7.26	35.51	44.27	74.00	-29.73	Peak
7386.000	33.27	35.95	9.38	32.76	45.84	54.00	-8.16	Average
7386.000	41.96	35.95	9.38	32.76	54.53	74.00	-19.47	Peak
9848.000	26.78	38.54	11.54	34.04	42.82	54.00	-11.18	Average
9848.000	40.25	38.54	11.54	34.04	56.29	74.00	-17.71	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

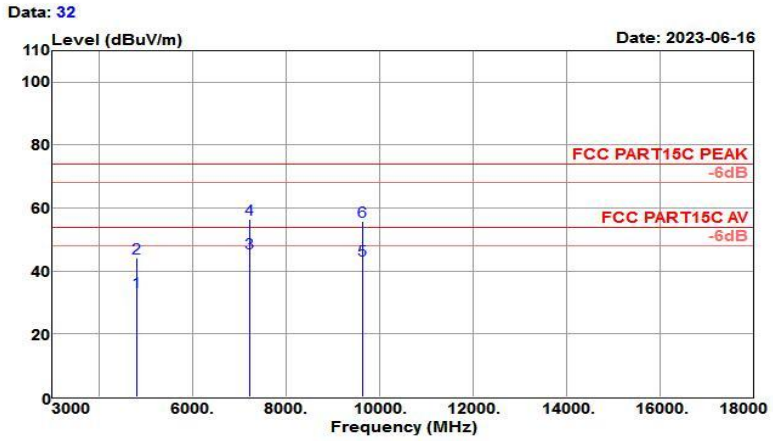
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2412.000	99.53	27.32	4.54	35.99	95.40	74.00	21.40	Peak

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

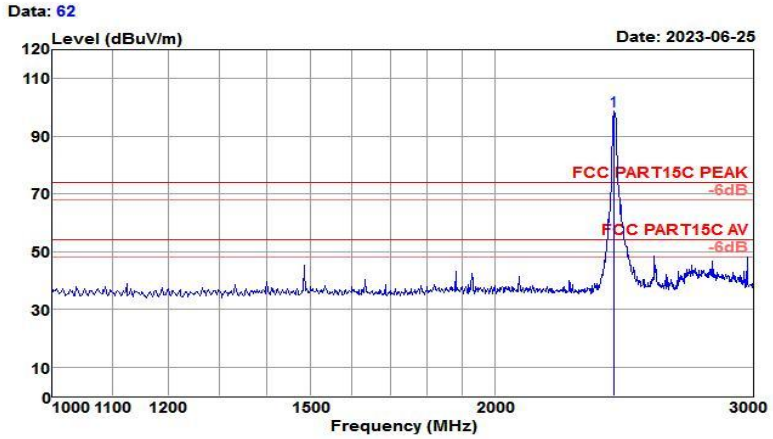


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	31.79	30.95	6.59	36.01	33.32	54.00	-20.68	Average
4824.000	42.74	30.95	6.59	36.01	44.27	74.00	-29.73	Peak
7236.000	35.96	35.47	8.71	34.34	45.80	54.00	-8.20	Average
7236.000	46.67	35.47	8.71	34.34	56.51	74.00	-17.49	Peak
9648.000	27.79	38.42	11.55	34.26	43.50	54.00	-10.50	Average
9648.000	40.23	38.42	11.55	34.26	55.94	74.00	-18.06	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

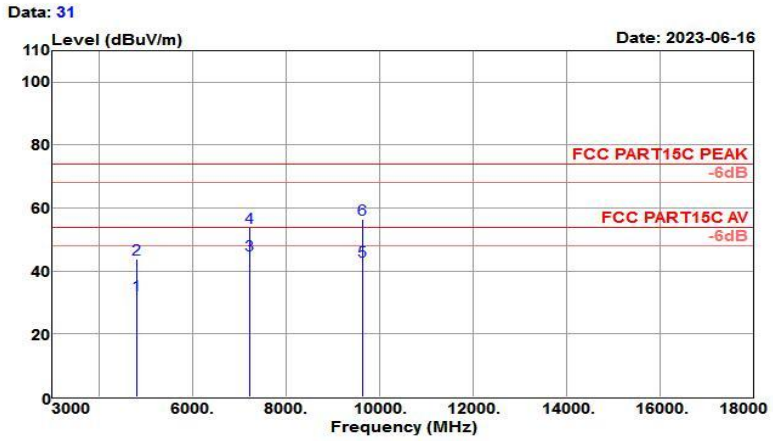
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2412.000	102.98	27.32	4.54	35.99	98.85	74.00	24.85	Peak

Test Mode :	802.11g CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

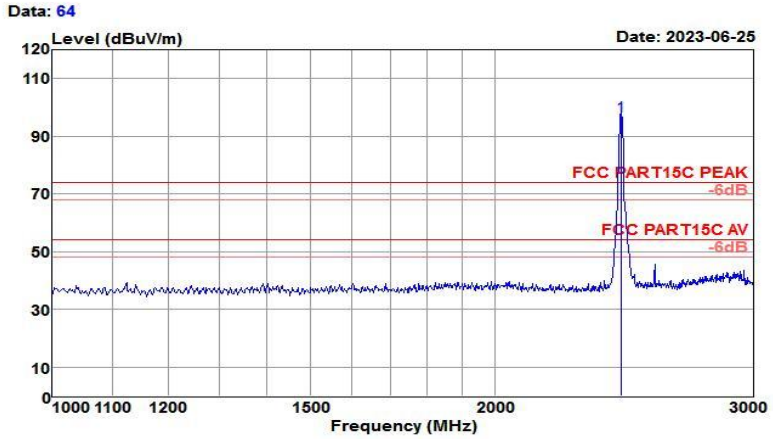


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	31.06	30.95	6.59	36.01	32.59	54.00	-21.41	Average
4824.000	42.34	30.95	6.59	36.01	43.87	74.00	-30.13	Peak
7236.000	35.36	35.47	8.71	34.34	45.20	54.00	-8.80	Average
7236.000	44.17	35.47	8.71	34.34	54.01	74.00	-19.99	Peak
9648.000	27.53	38.42	11.55	34.26	43.24	54.00	-10.76	Average
9648.000	40.76	38.42	11.55	34.26	56.47	74.00	-17.53	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11g CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

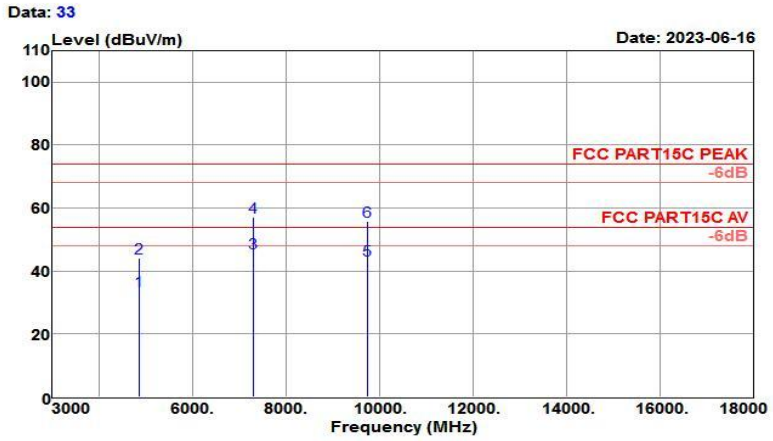
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2437.000	101.26	27.37	4.61	36.07	97.17	74.00	23.17	Peak

Test Mode :	802.11g CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

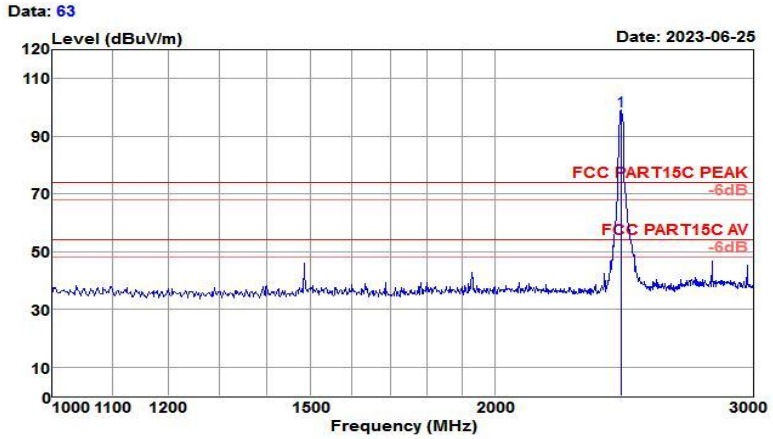


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	31.77	31.02	6.97	35.98	33.78	54.00	-20.22	Average
4874.000	42.18	31.02	6.97	35.98	44.19	74.00	-29.81	Peak
7311.000	35.65	35.65	8.95	34.41	45.84	54.00	-8.16	Average
7311.000	46.95	35.65	8.95	34.41	57.14	74.00	-16.86	Peak
9748.000	27.97	38.50	11.20	34.30	43.37	54.00	-10.63	Average
9748.000	40.28	38.50	11.20	34.30	55.68	74.00	-18.32	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11g CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

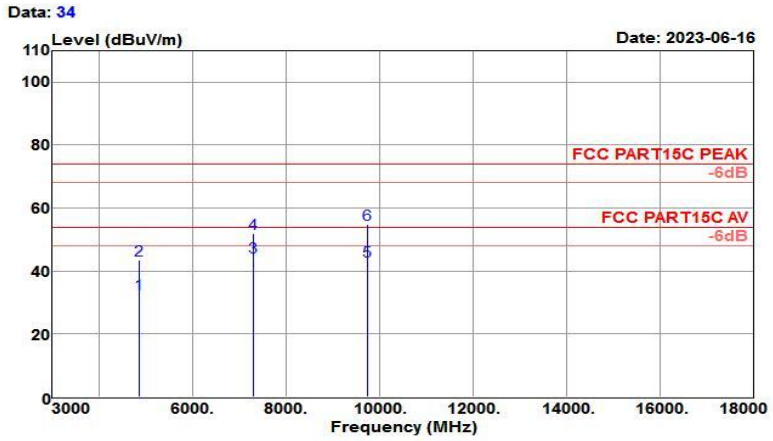
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2437.000	103.00	27.37	4.61	36.07	98.91	74.00	24.91	Peak

Test Mode :	802.11g CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

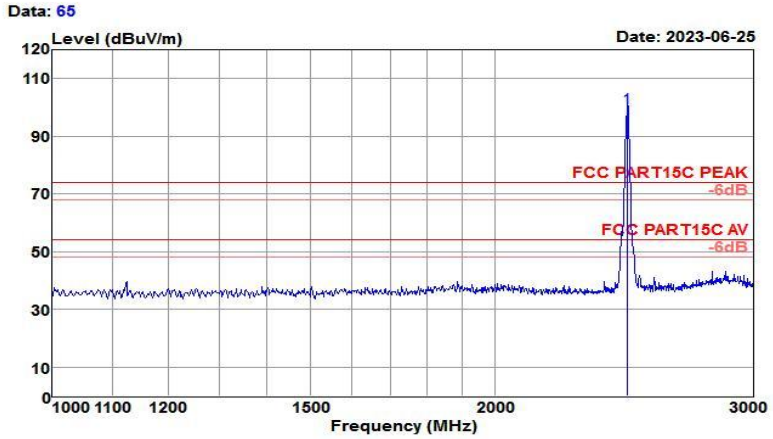


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	30.76	31.02	6.97	35.98	32.77	54.00	-21.23	Average
4874.000	41.56	31.02	6.97	35.98	43.57	74.00	-30.43	Peak
7311.000	34.30	35.65	8.95	34.41	44.49	54.00	-9.51	Average
7311.000	41.79	35.65	8.95	34.41	51.98	74.00	-22.02	Peak
9748.000	27.88	38.50	11.20	34.30	43.28	54.00	-10.72	Average
9748.000	39.52	38.50	11.20	34.30	54.92	74.00	-19.08	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11g CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

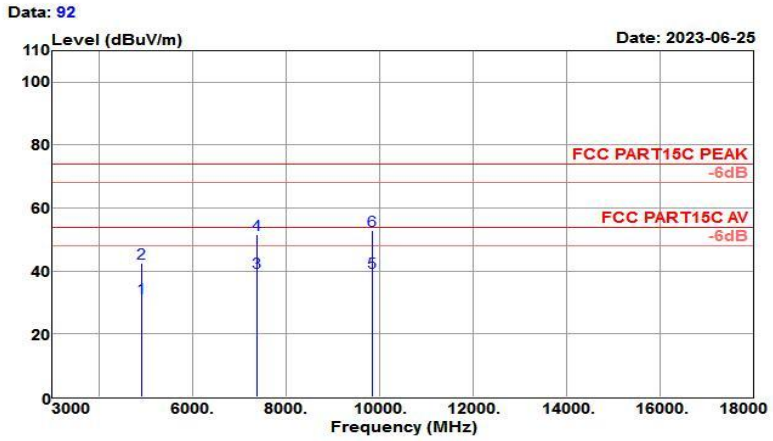
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2462.000	104.01	27.42	4.69	36.14	99.98	74.00	25.98	Peak

Test Mode :	802.11g CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

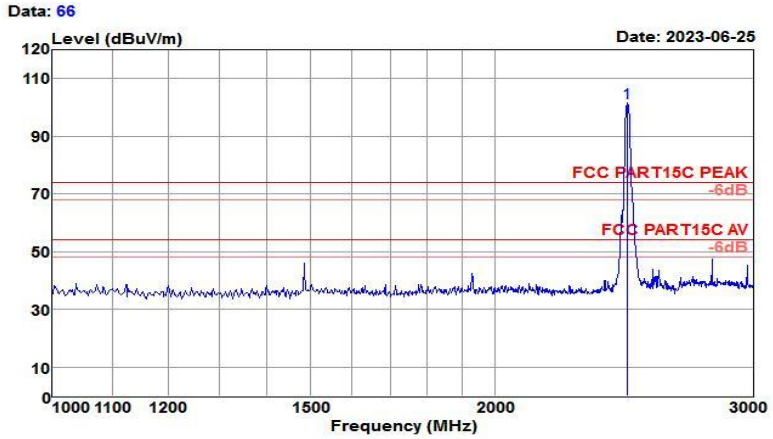


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	29.58	31.36	6.04	35.51	31.47	54.00	-22.53	Average
4924.000	40.77	31.36	6.04	35.51	42.66	74.00	-31.34	Peak
7386.000	30.14	35.95	6.17	32.76	39.50	54.00	-14.50	Average
7386.000	42.13	35.95	6.17	32.76	51.49	74.00	-22.51	Peak
9848.000	27.31	38.54	7.73	34.04	39.54	54.00	-14.46	Average
9848.000	40.54	38.54	7.73	34.04	52.77	74.00	-21.23	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11g CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

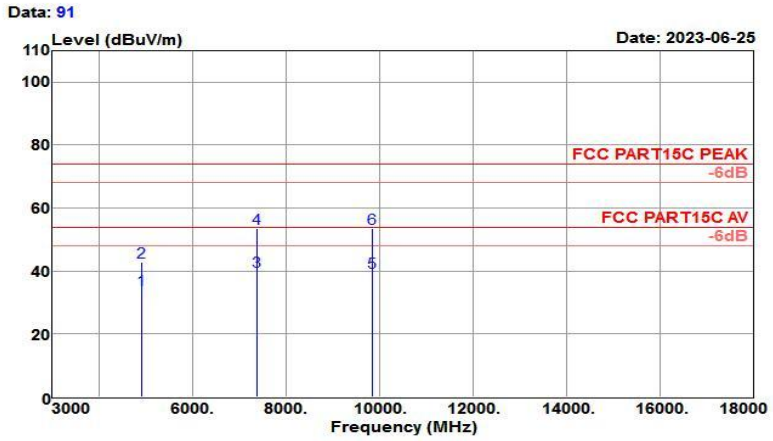
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2462.000	105.55	27.42	4.69	36.14	101.52	74.00	27.52	Peak

Test Mode :	802.11g CH11 (2462MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11g CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

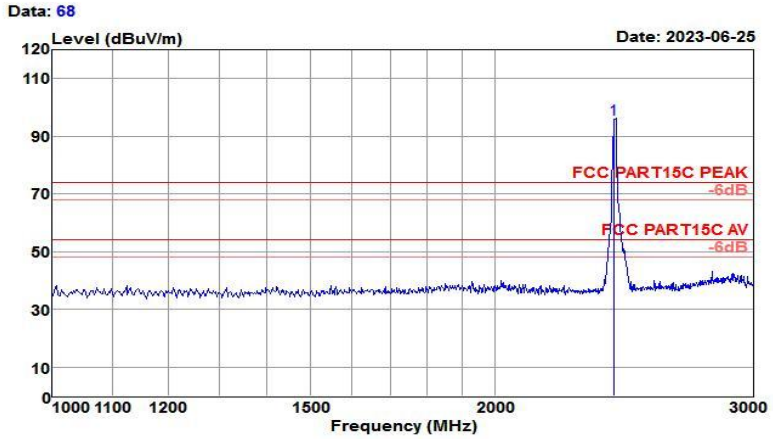


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	32.13	31.36	6.04	35.51	34.02	54.00	-19.98	Average
4924.000	40.89	31.36	6.04	35.51	42.78	74.00	-31.22	Peak
7386.000	30.50	35.95	6.17	32.76	39.86	54.00	-14.14	Average
7386.000	44.12	35.95	6.17	32.76	53.48	74.00	-20.52	Peak
9848.000	27.30	38.54	7.73	34.04	39.53	54.00	-14.47	Average
9848.000	41.35	38.54	7.73	34.04	53.58	74.00	-20.42	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

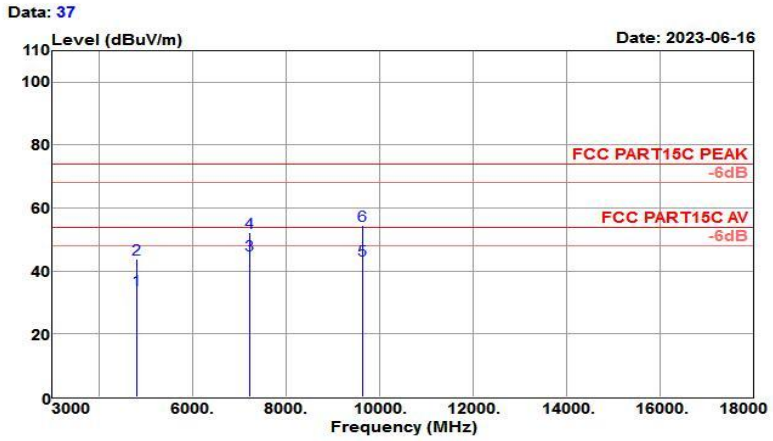
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2412.000	100.04	27.32	4.54	35.99	95.91	74.00	21.91	Peak

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

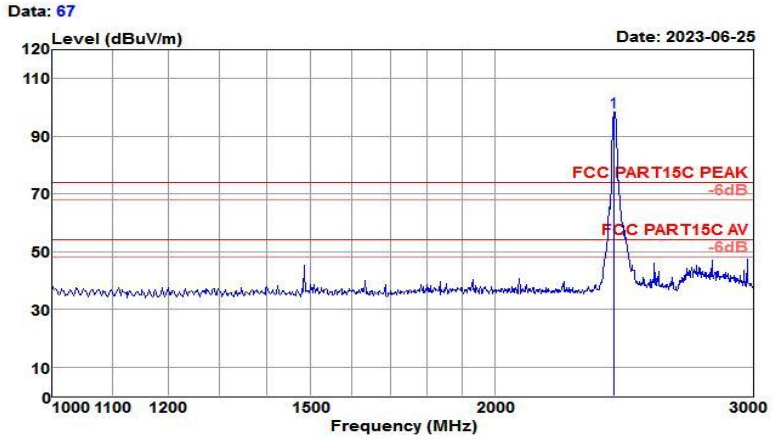


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	32.41	30.95	6.59	36.01	33.94	54.00	-20.06	Average
4824.000	42.18	30.95	6.59	36.01	43.71	74.00	-30.29	Peak
7236.000	35.22	35.47	8.71	34.34	45.06	54.00	-8.94	Average
7236.000	42.39	35.47	8.71	34.34	52.23	74.00	-21.77	Peak
9648.000	27.77	38.42	11.55	34.26	43.48	54.00	-10.52	Average
9648.000	38.90	38.42	11.55	34.26	54.61	74.00	-19.39	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

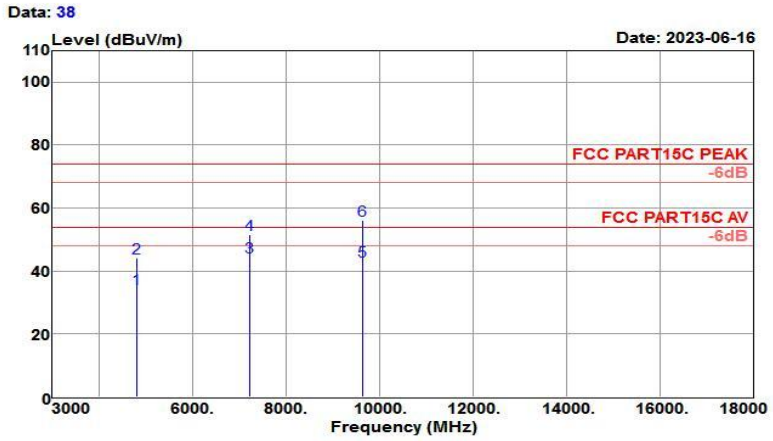
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2412.000	102.40	27.32	4.54	35.99	98.27	74.00	24.27	Peak

Test Mode :	802.11n HT20 CH01 (2412 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH01(2412MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

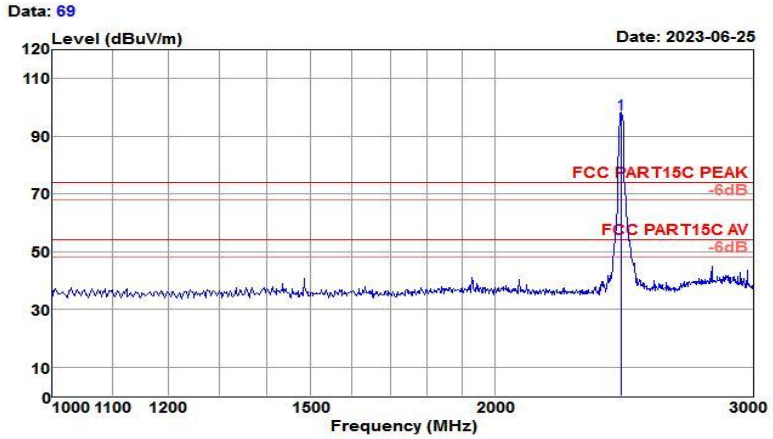


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	32.78	30.95	6.59	36.01	34.31	54.00	-19.69	Average
4824.000	42.72	30.95	6.59	36.01	44.25	74.00	-29.75	Peak
7236.000	34.78	35.47	8.71	34.34	44.62	54.00	-9.38	Average
7236.000	41.63	35.47	8.71	34.34	51.47	74.00	-22.53	Peak
9648.000	27.39	38.42	11.55	34.26	43.10	54.00	-10.90	Average
9648.000	40.56	38.42	11.55	34.26	56.27	74.00	-17.73	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

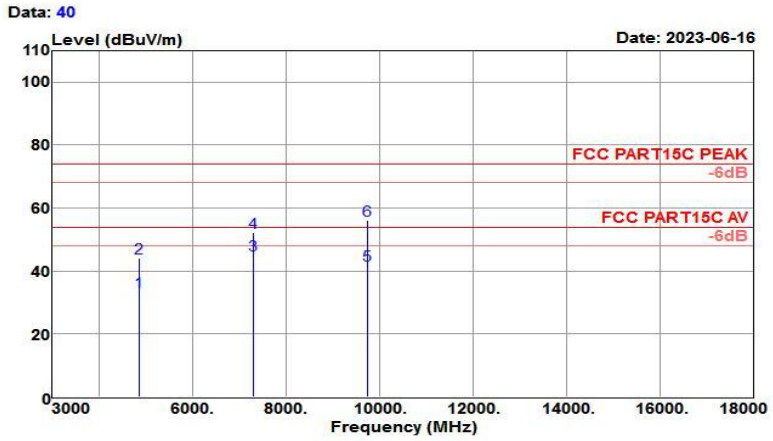
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2437.000	101.85	27.37	4.61	36.07	97.76	74.00	23.76	Peak

Test Mode :	802.11n HT20 CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

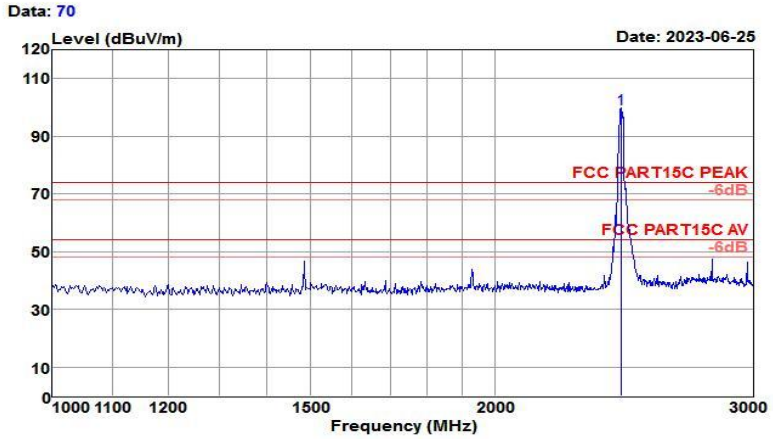


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	31.41	31.02	6.97	35.98	33.42	54.00	-20.58	Average
4874.000	42.18	31.02	6.97	35.98	44.19	74.00	-29.81	Peak
7311.000	34.90	35.65	8.95	34.41	45.09	54.00	-8.91	Average
7311.000	41.98	35.65	8.95	34.41	52.17	74.00	-21.83	Peak
9748.000	26.44	38.50	11.20	34.30	41.84	54.00	-12.16	Average
9748.000	40.70	38.50	11.20	34.30	56.10	74.00	-17.90	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

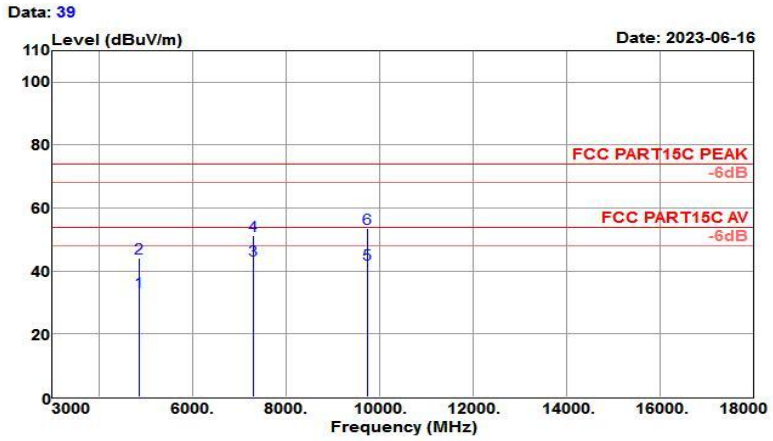
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2437.000	103.52	27.37	4.61	36.07	99.43	74.00	25.43	Peak

Test Mode :	802.11n HT20 CH06 (2437MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

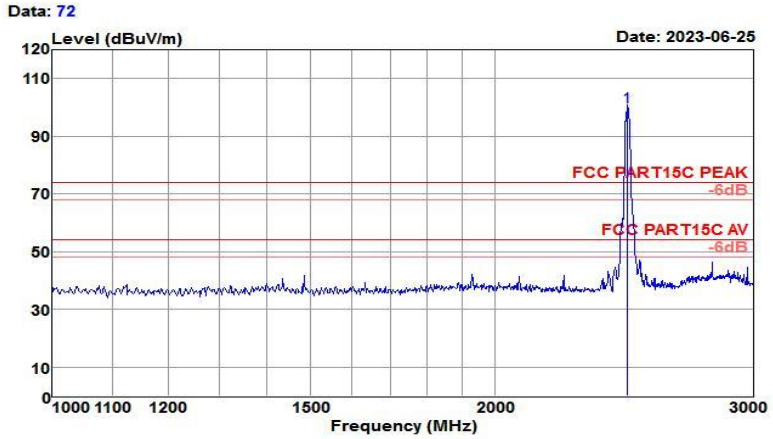


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	31.31	31.02	6.97	35.98	33.32	54.00	-20.68	Average
4874.000	42.17	31.02	6.97	35.98	44.18	74.00	-29.82	Peak
7311.000	33.29	35.65	8.95	34.41	43.48	54.00	-10.52	Average
7311.000	41.23	35.65	8.95	34.41	51.42	74.00	-22.58	Peak
9748.000	26.89	38.50	11.20	34.30	42.29	54.00	-11.71	Average
9748.000	38.15	38.50	11.20	34.30	53.55	74.00	-20.45	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Horizontal

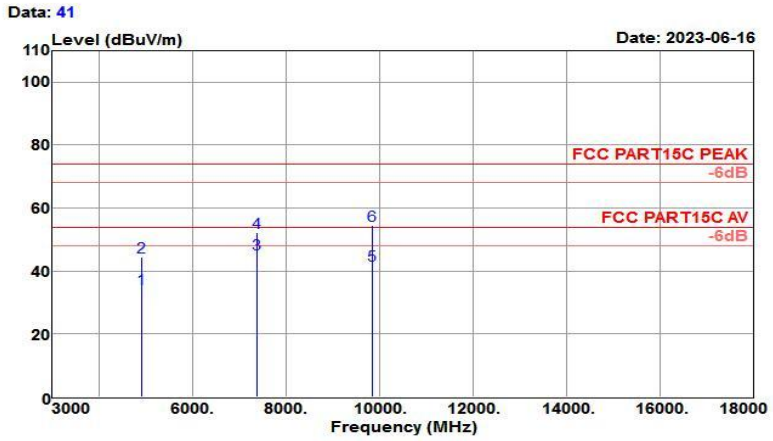
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2462.000	104.07	27.42	4.69	36.14	100.04	74.00	26.04	Peak

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Horizontal

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		

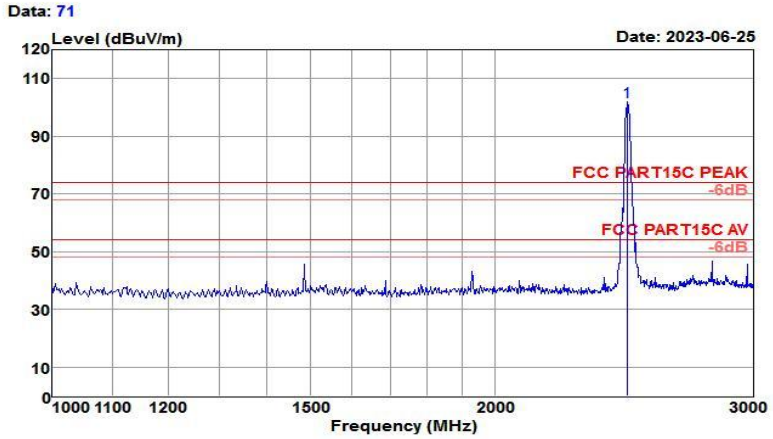


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	31.84	31.09	7.35	35.95	34.33	54.00	-19.67	Average
4924.000	41.97	31.09	7.35	35.95	44.46	74.00	-29.54	Peak
7386.000	34.78	35.83	9.19	34.49	45.31	54.00	-8.69	Average
7386.000	41.83	35.83	9.19	34.49	52.36	74.00	-21.64	Peak
9848.000	26.05	38.58	11.49	34.34	41.78	54.00	-12.22	Average
9848.000	38.71	38.58	11.49	34.34	54.44	74.00	-19.56	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	1GHz~3GHz	Polarization :	Vertical

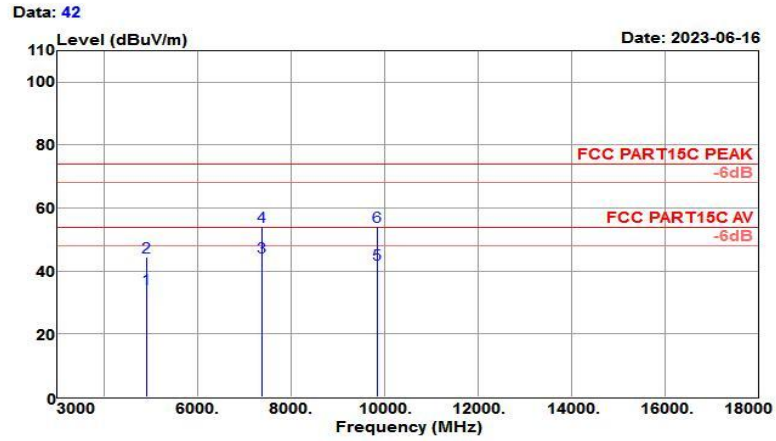
Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2462.000	105.84	27.42	4.69	36.14	101.81	74.00	27.81	Peak

Test Mode :	802.11n HT20 CH11 (2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	3GHz~18GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11N HT20 CH11(2462MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



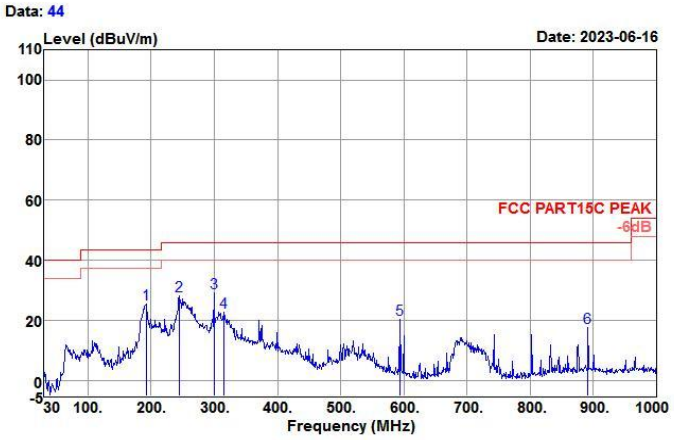
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	31.86	31.09	7.35	35.95	34.35	54.00	-19.65	Average
4924.000	42.01	31.09	7.35	35.95	44.50	74.00	-29.50	Peak
7386.000	33.95	35.83	9.19	34.49	44.48	54.00	-9.52	Average
7386.000	43.74	35.83	9.19	34.49	54.27	74.00	-19.73	Peak
9848.000	26.54	38.58	11.49	34.34	42.27	54.00	-11.73	Average
9848.000	38.54	38.58	11.49	34.34	54.27	74.00	-19.73	Peak

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

4.5.2 Test Result of Radiated Spurious Emission (30MHz ~ 1GHz)

Test Mode :	802.11b CH11(2462 MHz)	**Temperature :**	21~23℃
Test Engineer :	Jack Liu	**Relative Humidity :**	61~64%
Frequencey Range	30MHz~1GHz	**Polarization :**	Horizontal

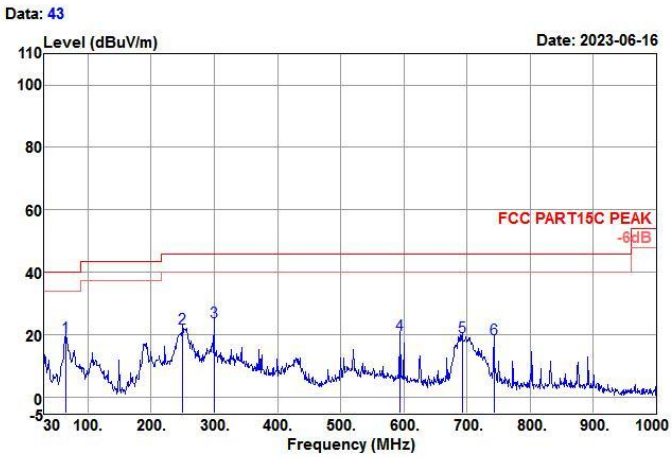
```
Test Site    : 3m Chamber                  Temp/Humi    : 23℃/61%
               --------------------------                 ----------------
Tested by    : Jack                        Pol/Phase    : HORIZONTAL
               --------------------------                 ----------------
Test Mode    : 802.11b CH06(2437MHz)       Power rating: DC 15V
               --------------------------                 ----------------
EUT          : Digital Video Monitor        Comment     :
               --------------------------                 ----------------
Model No.    : DVM-D1
               --------------------------
```



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
191.990	44.33	10.96	2.66	32.50	25.45	43.50	-18.05	QP
245.340	45.91	11.80	3.06	32.45	28.32	46.00	-17.68	QP
299.660	44.88	13.24	3.39	32.40	29.11	46.00	-16.89	QP
315.180	38.35	13.47	3.47	32.45	22.84	46.00	-23.16	QP
594.540	29.35	18.75	4.93	32.68	20.35	46.00	-25.65	QP
891.360	22.85	21.64	6.21	32.79	17.91	46.00	-28.09	QP

Test Mode :	802.11b CH11(2462 MHz)	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	61~64%
Frequencey Range	30MHz~1GHz	Polarization :	Vertical

Test Site	: 3m Chamber	Temp/Humi	: 23℃/61%
Tested by	: Jack	Pol/Phase	: VERTICAL
Test Mode	: 802.11b CH06(2437MHz)	Power rating	: DC 15V
EUT	: Digital Video Monitor	Comment	:
Model No.	: DVM-D1		



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
65.890	36.95	13.40	1.52	32.43	19.44	40.00	-20.56	QP
250.190	39.96	11.69	3.12	32.45	22.32	46.00	-23.68	QP
299.660	39.87	13.24	3.39	32.40	24.10	46.00	-21.90	QP
594.540	29.04	18.75	4.93	32.68	20.04	46.00	-25.96	QP
692.510	26.80	19.74	5.27	32.33	19.48	46.00	-26.52	QP
742.950	24.98	20.76	5.50	32.47	18.77	46.00	-27.23	QP

4.6 Radiated receiver emissions Measurement

4.6.1 Limit of receiver conducted emissions

IC RSS-GEN 7.4

If the receiver has a detachable antenna of known impedance, an antenna-conducted spurious emissions measurement is permitted as an alternative to radiated measurement. However, the radiated method of RSS-GEN section 7.3 is preferred.

The antenna-conducted test shall be performed with the antenna disconnected and with the receiver antenna port connected to a measuring instrument having eq ual input impedance to that specified for the antenna. The RF cable connecting the receiver under test to the measuring instrument shall also have the same impedance to that specified for the receiver's antenna.

The spurious emissions from the receiver at any discrete frequency, measured at the antenna port by the antenna-conducted method, shall not exceed 2 n W in the frequency range 30-1000 MHz and 5 nW above 1 GHz.

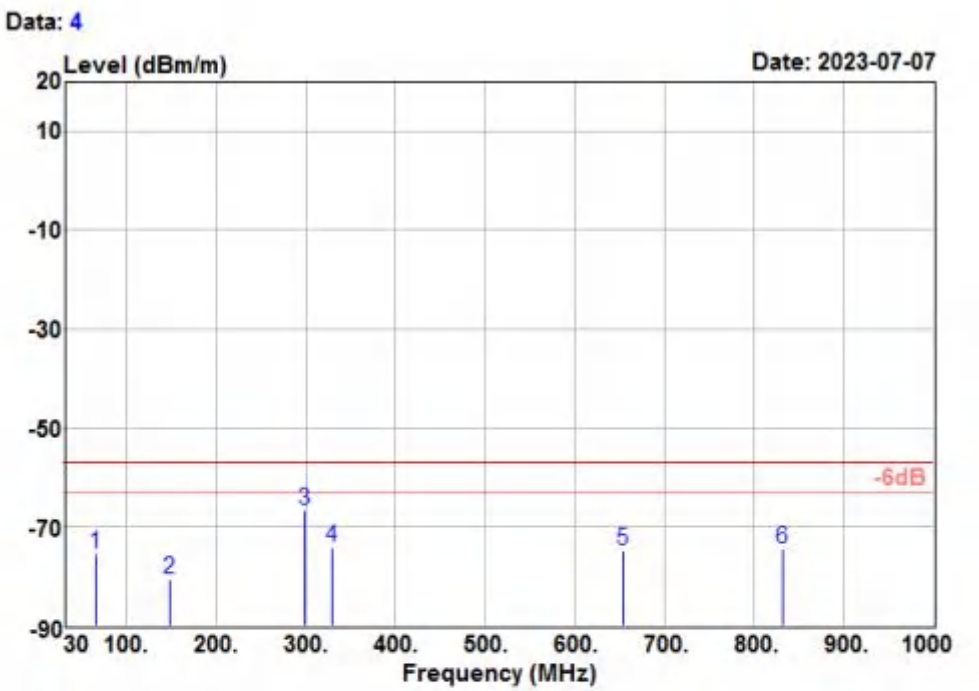
Radiated emission measurements shall be performed with the receiver antenna connected to the receiver antenna ports. The search for spurious emissions shall be from the lowest freguency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency),or 30 MHz, whichever is higher, to at least five times the highest tunable or local oscillator frequency, whichever is higher.without exceeding40 GHz.

4.6.2 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The measurement distance is 3 meter.
3. For each suspected emission, 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 to comply with the guidelines.
4. Set to the maximum power setting and enable the EUT transmit continuously.
5. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz, RBW=1MHz for f>1GHz ; VBW=3* RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
   (3) For average measurement:
   VBW = 10 Hz, when duty cycle is no less than 98 percent.
   VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

4.6.3 Test Result of Radiated receiver emissions

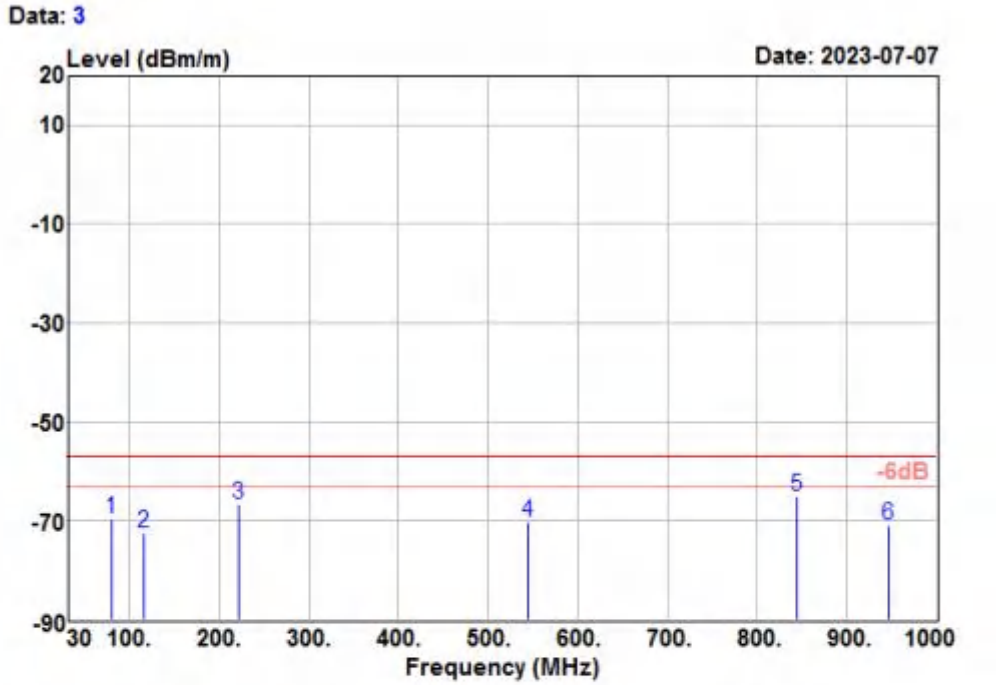
Test Mode :	Mode 1	Temperature :	23℃
Test Engineer :	Jack Liu	Relative Humidity :	61%
Test Voltage :	120Vac / 60Hz	Phase :	Horizontal
Function Type :	802.11b CH11 RX Mode		



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
64.920	430.25	-5.68	-75.43	-57.00	-18.43	Peak
148.340	422.04	-2.46	-80.42	-57.00	-23.42	Peak
299.660	435.78	-2.50	-66.72	-57.00	-9.72	Peak
329.730	427.88	-1.88	-74.00	-57.00	-17.00	Peak
653.710	419.60	5.59	-74.81	-57.00	-17.81	Peak
832.190	416.88	8.62	-74.50	-57.00	-17.50	Peak

Note:
Corrected Reading: Reading level + Aux factor = Level

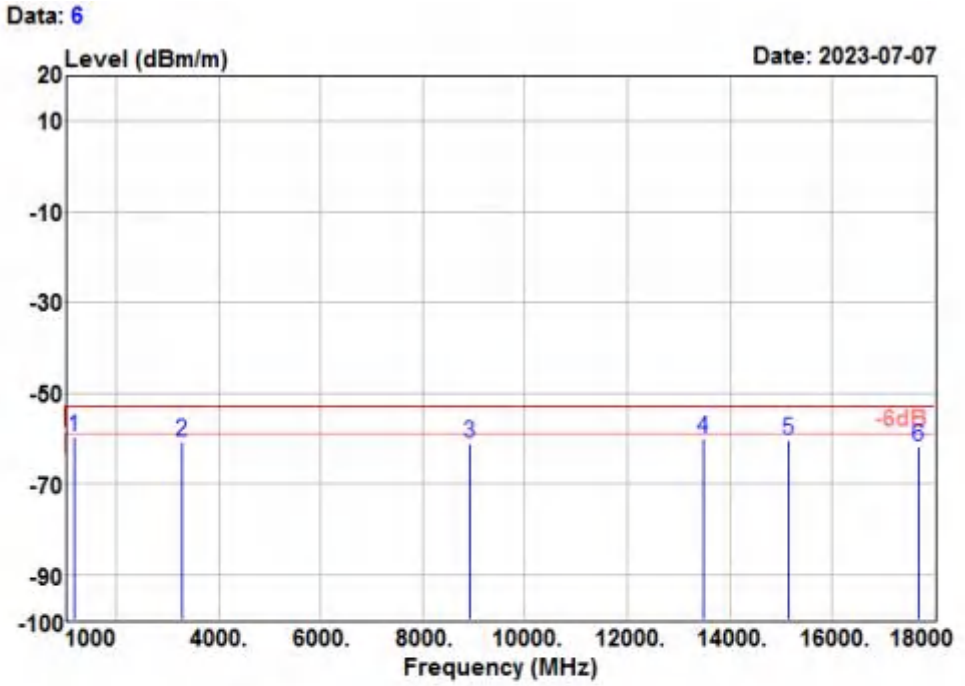
Test Mode :	Mode 1	Temperature :	23℃
Test Engineer :	Jack Liu	Relative Humidity :	61%
Test Voltage :	120Vac / 60Hz	Phase :	Vertical
Function Type :	802.11b CH11 RX Mode		



Freq	Reading level	Aux factor	level	Limit level	Over limit	Remark
MHz	dBm	dB	dBm	dBm	dB	
79.470	437.11	-6.68	-69.57	-57.00	-12.57	Peak
115.360	433.12	-5.64	-72.52	-57.00	-15.52	Peak
222.060	438.90	-5.62	-66.72	-57.00	-9.72	Peak
545.070	426.76	2.97	-70.27	-57.00	-13.27	Peak
843.830	426.32	8.60	-65.08	-57.00	-8.08	Peak
946.650	418.43	10.62	-70.95	-57.00	-13.95	Peak

Note:
Corrected Reading: Reading level + Aux factor = Level

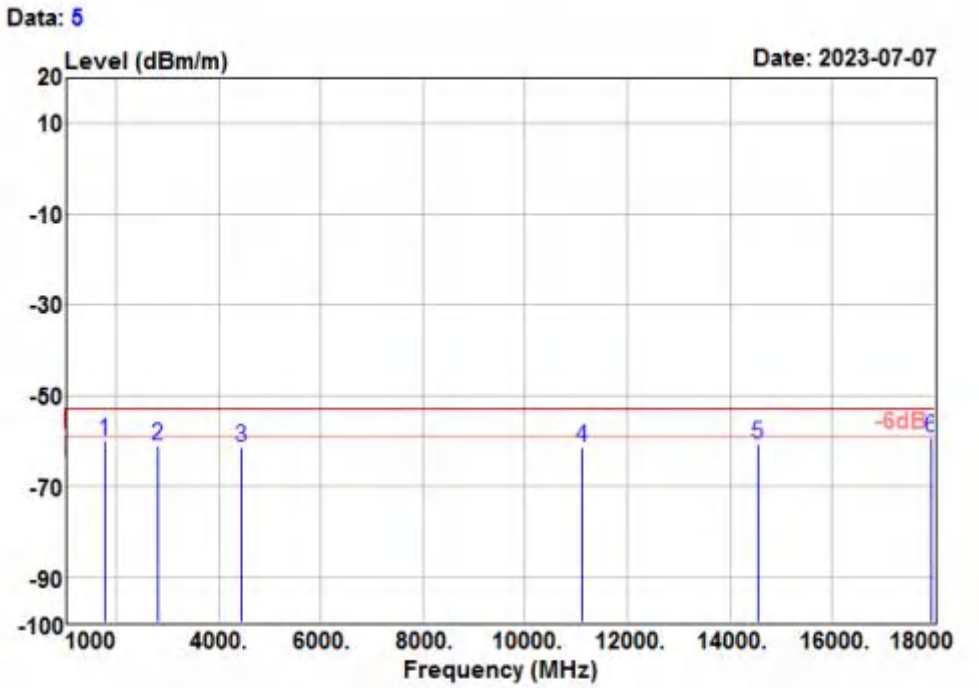
Test Mode :	Mode 1	Temperature :	23℃
Test Engineer :	Jack Liu	Relative Humidity :	61%
Test Voltage :	120Vac / 60Hz	Phase :	Horizontal
Function Type :	802.11b CH11 RX Mode		



Freq	Reading level	Aux factor	level	Limit level	Over limit	Remark
MHz	dBm	dB	dBm	dBm	dB	
1187.000	-88.69	4.85	-59.57	-53.02	-6.55	Peak
3278.000	-96.72	7.75	-60.60	-53.02	-7.58	Peak
8905.000	-120.35	22.42	-60.92	-53.02	-7.90	Peak
13478.000	-129.95	30.49	-60.00	-53.02	-6.98	Peak
15127.000	-131.30	31.25	-60.36	-53.02	-7.34	Peak
17694.000	-143.98	38.30	-61.82	-53.02	-8.80	Peak

Note:
Corrected Reading: Reading level + Aux factor = Level

Test Mode :	Mode 1	Temperature :	23℃
Test Engineer :	Jack Liu	Relative Humidity :	61%
Test Voltage :	120Vac / 60Hz	Phase :	Vertical
Function Type :	802.11b CH11 RX Mode		



Freq	Reading level	Aux factor	level	Limit level	Over limit	Remark
MHz	dBm	dB	dBm	dBm	dB	
1782.000	-92.32	6.42	-59.98	-53.02	-6.96	Peak
2819.000	-96.23	7.29	-60.88	-53.02	-7.86	Peak
4468.000	-102.82	10.89	-61.47	-53.02	-8.45	Peak
11132.000	-129.03	27.91	-61.27	-53.02	-8.25	Peak
14532.000	-132.03	30.68	-60.78	-53.02	-7.76	Peak
17949.000	-147.12	41.41	-59.15	-53.02	-6.13	Peak

Note:
Corrected Reading: Reading level + Aux factor = Level

4.7 AC Conducted Emission Measurement

4.7.1 Limit of AC Conducted Emission

FCC §15.207

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency Range	Quasi Peak(dBμV)	Average(dBμV)
0.15-0.5	66 to 56*	56-46
0.5-5	56	46
5-30	60	50

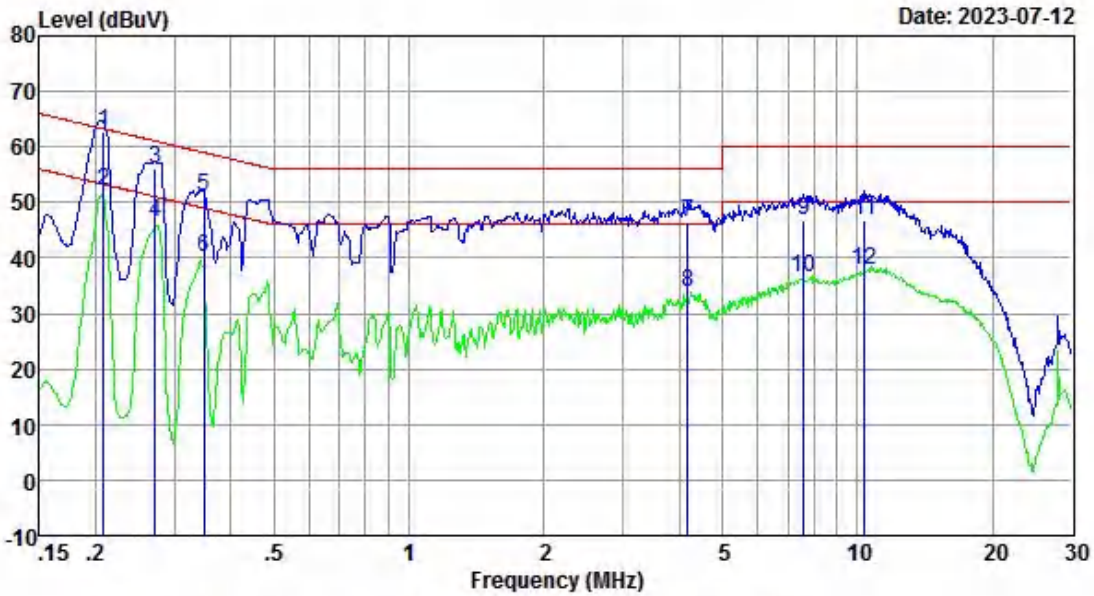
*Decreases with the logarithm of the frequency.

4.7.2 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

4.7.3 Test Result of AC Conducted Emission

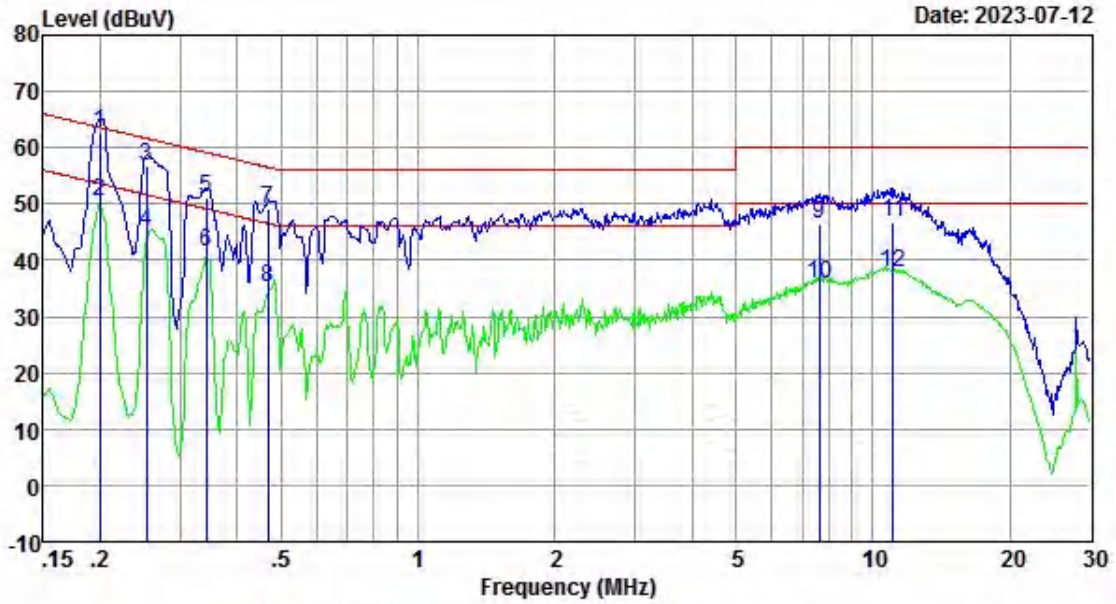
Test Mode :	Mode 1	**Temperature :**	23℃
Test Engineer :	Jack Liu	**Relative Humidity :**	51%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	WLAN(2.4G) Link + SDI + RJ-45 + HDMI + USB Disk + H-Steriscope + D-SUBS9 + REMOTE +Adapter		



Freq	Reading level	LISN/ISN factor	Cable loss	Result level	Limit level	Over limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.208	53.01	9.58	0.01	62.60	63.27	-0.67	QP
0.208	42.51	9.58	0.01	52.10	53.27	-1.17	Average
0.272	46.50	9.59	0.02	56.11	61.07	-4.96	QP
0.272	36.80	9.59	0.02	46.41	51.07	-4.66	Average
0.348	41.40	9.59	0.02	51.01	59.00	-7.99	QP
0.348	30.60	9.59	0.02	40.21	49.00	-8.79	Average
4.180	36.60	9.66	0.05	46.31	56.00	-9.69	QP
4.180	24.20	9.66	0.05	33.91	46.00	-12.09	Average
7.606	36.90	9.76	0.07	46.73	60.00	-13.27	QP
7.606	26.70	9.76	0.07	36.53	50.00	-13.47	Average
10.397	36.90	9.82	0.08	46.80	60.00	-13.20	QP
10.397	28.00	9.82	0.08	37.90	50.00	-12.10	Average

Remarks: Result Level = Reading level + LISN/ISN factor + Cable loss

Test Mode :	Mode 1	Temperature :	23℃
Test Engineer :	Jack Liu	Relative Humidity :	51%
Test Voltage :	120Vac / 60Hz	Phase :	NEUTRAL
Function Type :	WLAN(2.4G) Link + SDI + RJ-45 + HDMI + USB Disk + H-Steriscope + D-SUBS9 + REMOTE +Adapter		



Freq	Reading level	LISN/ISN factor	Cable loss	Result level	Limit level	Over limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.200	53.30	9.58	0.01	62.89	63.62	-0.73	QP
0.200	40.90	9.58	0.01	50.49	53.62	-3.13	Average
0.253	47.10	9.59	0.02	56.71	61.64	-4.93	QP
0.253	35.50	9.59	0.02	45.11	51.64	-6.53	Average
0.343	41.50	9.60	0.02	51.12	59.13	-8.01	QP
0.343	31.70	9.60	0.02	41.32	49.13	-7.81	Average
0.469	39.50	9.60	0.02	49.12	56.54	-7.42	QP
0.469	25.70	9.60	0.02	35.32	46.54	-11.22	Average
7.646	36.70	9.77	0.07	46.54	60.00	-13.46	QP
7.646	26.10	9.77	0.07	35.94	50.00	-14.06	Average
11.080	36.80	9.85	0.09	46.74	60.00	-13.26	QP
11.080	28.00	9.85	0.09	37.94	50.00	-12.06	Average

Remarks: Result Level = Reading level + LISN/ISN factor + Cable loss

4.8 Antenna Requirements

4.8.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded..

And according to §15.247(b)(4), 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.

4.8.2 Antenna Connected Construction

An FPC Antenna design is used.

4.8.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum output power limit.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010A	MY56070788	2022-12-26	2023-12-25	Conducted
Thermal Chamber	Howkin	UHL-34	19111801	2022-12-23	2023-12-22	Conducted

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV 30	103728	2022-12-26	2023-12-25	Radiation
EMI Test Receiver	R&S	ESR3	102144	2022-12-21	2023-12-20	Radiation
Amplifier	Sonoma	310	363917	2022-12-26	2023-12-25	Radiation
Amplifier	Schwarzbeck	BBV 9718	327	2022-12-27	2023-12-26	Radiation
Amplifier	Narda	TTA1840-35-HG	2034380	2023-01-04	2024-01-03	Radiation
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-051	2023-02-12	2026-02-11	Radiation
Broadband Antenna	Schwarzbeck	VULB 9168	9168-757	2020-09-27	2023-09-26	Radiation
Horn Antenna	Schwarzbeck	BBHA 9120 D	1677	2023-02-12	2026-02-11	Radiation
Horn Antenna	COM-POWER	AH-1840	101117	2021-06-05	2024-06-04	Radiation
Test Software	Auidx	E3	6.111221a	N/A	N/A	Radiation
Filter	Micro-Tronics	BRM 50702	G266	N/A	N/A	Radiation

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
LISN	R&S	ENV216	102125	2023-12-19	2023-12-20	Conducted
LISN	R&S	ENV432	101327	2023-12-19	2023-12-20	Conducted
EMI Test Receiver	R&S	ESR3	102143	2023-12-19	2023-12-20	Conducted
EMI Test Software	Audix	E3	N/A	N/A	N/A	Conducted
Base Station	R&S	CMW 270	101231	2022-12-26	2023-12-25	Conducted

N/A: No Calibration Required

6 Uncertainty of Evaluation

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.00 dB
Radiated emissions	30MHz ~ 1GHz	5.28 dB
	1GHz ~ 18GHz	5.12 dB
	18GHz ~ 40GHz	5.27 dB

MEASUREMENT	UNCERTAINTY
Occupied Channel Bandwidth	±71.333Hz
RF output power, conducted	±0.78 dB
Power density, conducted	±2.02dB
Emissions, conducted	±2.00dB

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

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.000	2408.040	2416.040	0.5	PASS
		2437	8.040	2433.040	2441.080	0.5	PASS
		2462	7.080	2458.480	2465.560	0.5	PASS
11G	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.160	2429.440	2444.600	0.5	PASS
		2462	13.800	2455.760	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.400	2404.480	2419.880	0.5	PASS
		2437	15.320	2429.520	2444.840	0.5	PASS
		2462	15.160	2454.440	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412

11B_Ant1_2437