

FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Industrial Router

MODEL NUMBER: VT-M2M-G405

REPORT NUMBER: 4792114922-1-RF-3

ISSUE DATE: May 20, 2026

FCC ID: 2BEA6G405

Prepared for

**Vantron Technology, Inc.
48434 Milmont Drive Fremont, CA 94538-7324, USA**

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

**Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan,
Guangdong, China**

Tel: +86 769 22038881

Fax: +86 769 33244054

Website: www.ul.com

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	May 20, 2026	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2020, Clause 6.2	FCC Part 15.207	Pass
Conducted Output Power	ANSI C63.10-2020, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2020, Clause 11.10.5	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2020, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2020, Clause 11.12	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2020, Clause 11.6	None; for reporting purposes only.	Pass

Note:

1. This report is also performed according to ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 standards.

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <FCC 47 CFR PART 15 SUBPART C> when <Simple Acceptance> decision rule is applied. Decision rule for statement of conformity: The measurement uncertainty is not taken into account for statement of conformity.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Vantron Technology, Inc.
Address: 48434 Milmont Drive Fremont, CA 94538-7324, USA

Manufacturer Information

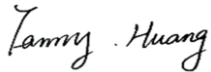
Company Name: Vantron Technology, Inc.
Address: 48434 Milmont Drive Fremont, CA 94538-7324, USA

EUT Information

EUT Name: Industrial Router
Model: VT-M2M-G405
Sample Received Date: March 18, 2026
Sample Status: Normal
Sample ID: 9546395
Date of Tested: March 18, 2026 to May 20, 2026

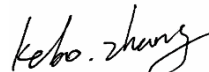
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART C	Pass

Prepared By:



Fanny Huang
Project Engineer

Checked By:



Kebo Zhang
Operations Leader

Approved By:



Stephen Guo
Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC 47 CFR PART 15 SUBPART C, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	4.36 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.47 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.65 dB (1 GHz ~ 18 GHz)
	4.73 dB (18 GHz ~ 26 GHz)
Duty Cycle	±0.028%
DTS and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.686 dB
Maximum Power Spectral Density Level	±0.743 dB
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

Remark: For Radiated Emission measurements (200 MHz - 18 GHz), the EUT support table is made of Expanded Polystyrene (EPS). This material is characterized by a low dielectric constant, as recognized in CISPR 16-1-4, to minimize its influence on field strength measurements. This influence has been considered in the uncertainty budget.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Industrial Router
Model	VT-M2M-G405

Frequency Range:	2412 MHz to 2462 MHz
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11b/g/n HT20
Normal Test Voltage:	AC 120 V, 60 Hz

5.2. CHANNEL LIST

Channel List For Bandwidth=20 MHz							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	4	2427	7	2442	10	2457
2	2417	5	2432	8	2447	11	2462
3	2422	6	2437	9	2452	/	/

5.3. MAXIMUM POWER

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)
b	2412 ~ 2462	1-11[11]	19.76
g	2412 ~ 2462	1-11[11]	14.99
n HT20	2412 ~ 2462	1-11[11]	17.15

Note:

- Maximum conducted output power = measured value + cable loss (provided by UL) + cable loss (provided by UL or client)
- Maximum EIRP = maximum conducted output power + antenna gain

5.4. TEST CHANNEL CONFIGURATION

IEEE Std. 802.11	Test Channel Number	Frequency
b	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
g	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
n HT20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software		CMD					
Modulation Mode	Transmit Antenna Number	Test Channel					
		NCB: 20MHz			NCB: 40MHz		
		CH 1	CH 6	CH 11	CH 3	CH 6	CH 9
802.11b	1	16	16	16	/		
	2	16	16	16			
802.11g	1	12	12	12			
	2	12	12	12			
802.11n HT20	1	14	14	14			
	2	14	14	14			

5.6. WORST-CASE CONFIGURATIONS

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable a continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

Worst-case data rates as provided by the client were:

802.11b mode: 1 Mbps

802.11g mode: 6 Mbps

802.11n HT20 mode: MCS0

All modes support MIMO mode.

The measured additional path loss was included in any path loss calculations for all RF cable used during tested.

Conducted output power, power spectral density tests separately on each port with all supported MIMO port combinations.

Radiated emissions tests were performed with the MIMO modes. These were found to be the worst modulation scheme with regards to emissions after preliminary investigations and, as this mode emits the highest conducted output power level, it was deemed to be the worst case.

The EUT support Cyclic Shift Diversity(CDD), Space Time Coding(STBC), Spatial Division Multiplexing(SDM) modes. They use the same conducted power per chain in any given mode, so we only chose the worst case mode CDD for final testing.

Based on ANSI C63.10-2020 section 5.6.2.2(b), for Harmonics and Spurious Emissions, all modes have been tested, only the OFDM worst-case power of 802.11n HT20 and worst-case PSD mode of 802.11g and DSSS 802.11b mode were recorded in the report.

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	Monopole Antenna	1.78
2	2412-2462	Monopole Antenna	1.78

Note: The antenna gain is provided by client / obtained through lab tests.

The EUT support Cyclic Shift Diversity(CDD) mode.

MIMO output power port and MIMO PSD port summing were performed in accordance with KDB 662911 D01. For the CDD results the Directional Gain was calculated in accordance with the following method.

For output power measurements:

Directional gain= G_{ANT} + Array Gain = 1.78 dBi

G_{ANT} : equal to the gain of the antenna having the highest gain

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

For power spectral density (PSD) measurements:

Directional gain= G_{ANT} + Array Gain = 4.79 dBi

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

N_{ANT} : number of transmit antennas

N_{SS} : number of spatial streams, The worst case directional gain will occur when $N_{SS} = 1$

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11g	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.

Note: The EUT can't be transmitted simultaneously. (declared by client)

5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	R303U5AG
2	USB dummy load	/	/	/
3	network interface dummy load	/	/	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	/	/	1.0	/
2	Network cable	/	/	2.0	/
3	Network cable*5	/	/	0.3	/

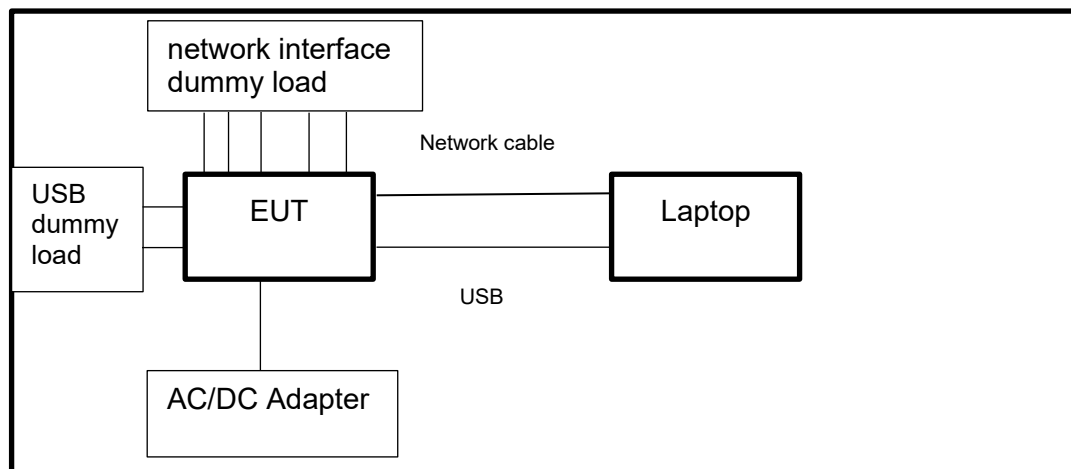
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
1	AC/DC Adapter	MW	GST25A12	Input: 100-240VAC, 50/60Hz, 0.6A Output: DC 12V, 2.08A, 25W MAX.

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS



6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System						
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
Power sensor, Power Meter	R&S	OSP120	100921	Dec.26,2025	Dec.25,2026	
Vector Signal Generator	R&S	SMBV100A	261637	Sep.12, 2025	Sep.11, 2026	
Signal Generator	R&S	SMB100A	178553	Sep.12, 2025	Sep.11, 2026	
Signal Analyzer	R&S	FSV40	101118	Sep.12, 2025	Sep.11, 2026	
Software						
Description		Manufacturer		Name	Version	
For R&S TS 8997 Test System		Rohde & Schwarz		EMC 32	10.60.10	
Tonsend RF Test System						
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
Wireless Connectivity Tester	R&S	CMW270	1201.0002N75-102	Sep.12, 2025	Sep.11, 2026	
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep.12, 2025	Sep.11, 2026	
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Sep.12, 2025	Sep.11, 2026	
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Sep.12, 2025	Sep.11, 2026	
DC power supply	TSSTAKASAGO	ZX-400L	409150160137	Sep.12, 2025	Sep.11, 2026	
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Sep.12, 2025	Sep.11, 2026	
Attenuator	Aglient	8495B	2814a12853	Sep.12, 2025	Sep.11, 2026	
RF Control Unit	Tonscend	JS0806-2	23B80620666	Dec.26,2025	Dec.25,2026	
Software						
Description		Manufacturer		Name		Version
Tonsend SRD Test System		Tonsend		JS1120-3 RF Test System		V3.2.22

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Sep.12, 2025	Sep.11, 2026
Two-Line V-Network	R&S	ENV216	101983	Sep.12, 2025	Sep.11, 2026
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions(Below 1G)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.12, 2025	Sep.11, 2026
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.12, 2025	Sep.11, 2026
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions(Above 1G)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Signal Analyzer	R&S	FSV40	101117	Sep.12, 2025	Sep.11, 2026
Preamplifier	TDK	PA-02-001-3000	TRS-302-00051	Sep.12, 2025	Sep.11, 2026
Horn Antenna	ETS-Lindgren	3117	00213191	Jan.29,2026	Jan.28,2029
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.12, 2025	Sep.11, 2026
High Gain Horn Antenna	Schwarzbeck	BBHA-9170	697	Jun. 30, 2024	Jun. 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00002	Sep.12, 2025	Sep.11, 2026
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.12, 2025	Sep.11, 2026
Highpass Filter	Wainwright	WHKX10-2700-3000-1800-40SS	24	Sep.12, 2025	Sep.11, 2026
Band Reject Filter	Wainwright	WRCJV8-2350-2400-	4	Sep.12, 2025	Sep.11, 2026

		2483.5- 2533.5-40SS			
Software					
Description	Manufacturer	Name		Version	
Test Software for Radiated Emission	Tonscend	JS32-RE		5.0.0	
Test Software for Radiated Emissions	Farad	EZ-EMC		Ver. UL-3A1	

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Sep.16, 2025	Sep.15, 2026
Barometer	Yiyi	Baro	N/A	Sep.19, 2025	Sep.18, 2026
Attenuator	Agilent	8495B	2814a12853	Sep.12, 2025	Sep.11, 2026

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

FCC 47 CFR Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

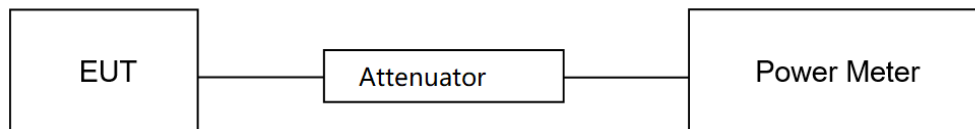
Refer to ANSI C63.10-2020 clause 11.9.2.3.1.

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the average output power, after any corrections for external attenuators and cables.

The test result in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.

TEST SETUP



TEST ENVIRONMENT

Temperature	20.5°C	Relative Humidity	51%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	April 3, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

FCC 47 CFR Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5
ISED RSS-Gen Clause 6.7	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5

TEST PROCEDURE

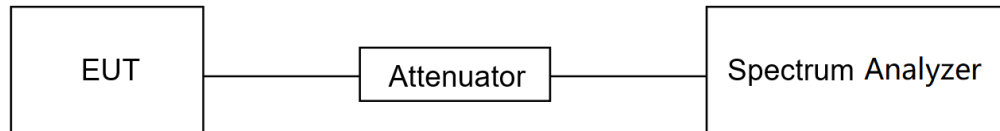
Refer to ANSI C63.10-2020 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Frequency Span	For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission For 99 % Occupied Bandwidth: Between 1.5 times and 5.0 times the OBW
Detector	Peak
RBW	For 6 dB Bandwidth: 1 % to 5 % of the OBW but not less than 100 kHz For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth
VBW	For 6 dB Bandwidth: $\geq 3 \times$ RBW For 99 % Occupied Bandwidth: $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP**TEST ENVIRONMENT**

Temperature	20.5°C	Relative Humidity	51%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	April 3, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix C&D

7.3. POWER SPECTRAL DENSITY

LIMITS

FCC 47 CFR Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR §15.247 (e)	Power Spectral Density	8 dBm in any 3 kHz band	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.10.5.

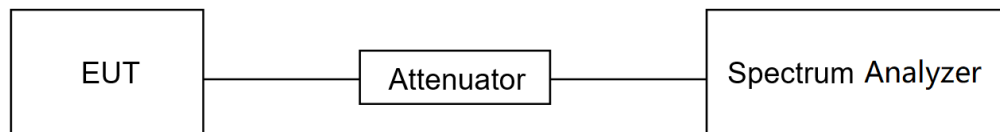
Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	power averaging (rms)
RBW	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW	$\geq 3 \times \text{RBW}$
Span	$> 1.5 \times \text{OBW bandwidth}$
Trace	Employ trace averaging(rms)mode over a minimum of 100 traces
Sweep time	Auto couple

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST SETUP



TEST ENVIRONMENT

Temperature	20.5°C	Relative Humidity	51%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	April 3, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix E

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

FCC 47 CFR Part15 (15.247) Subpart C		
Section	Test Item	Limit
FCC 47 CFR §15.247 (d)	Conducted Bandedge and Spurious Emissions	at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.11.

Connect the EUT to the spectrum analyzer and use the following settings for reference level measurement:

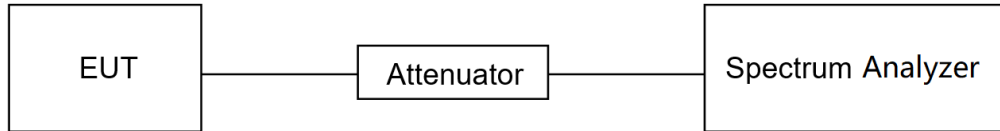
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$\geq 1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
measurement points	$\geq \text{span}/\text{RBW}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.

TEST SETUP**TEST ENVIRONMENT**

Temperature	20.5℃	Relative Humidity	51%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	April 3, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix F&G

7.5. DUTY CYCLE

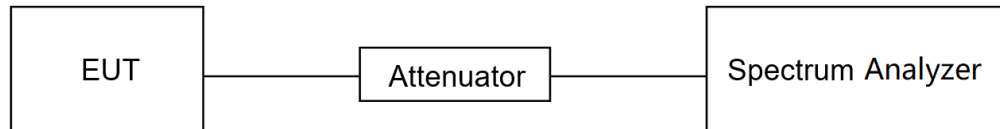
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	20.5°C	Relative Humidity	51%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	April 3, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix A

8. RADIATED TEST RESULTS

LIMITS

Please refer to FCC 47 CFR §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
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

FCC Restricted bands of operation refer to FCC 47 CFR §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

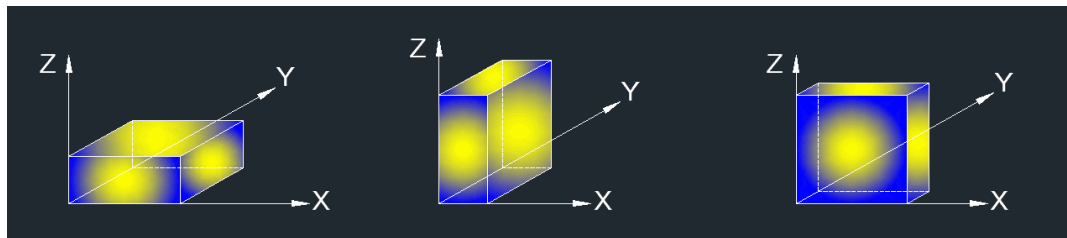
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

For Restricted Bandedge:

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. PK=Peak: Peak detector.
4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}[120\pi] = \text{dBuV/m} - 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (3 GHz ~ 18 GHz):

Note:

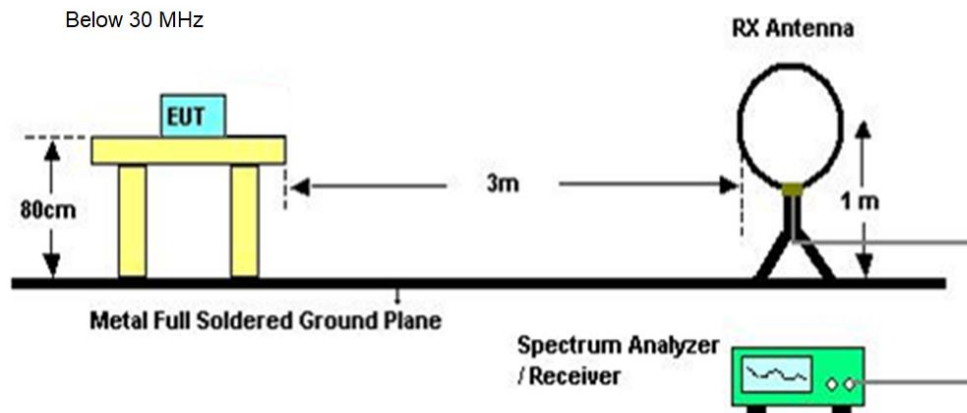
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $VBW=1/T_{on}$, where: T_{on} is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

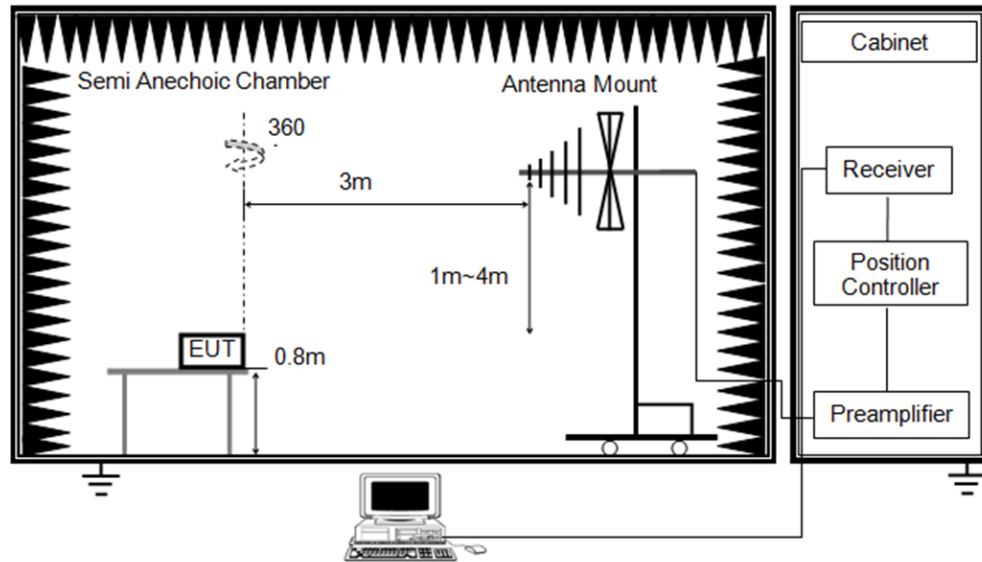
Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

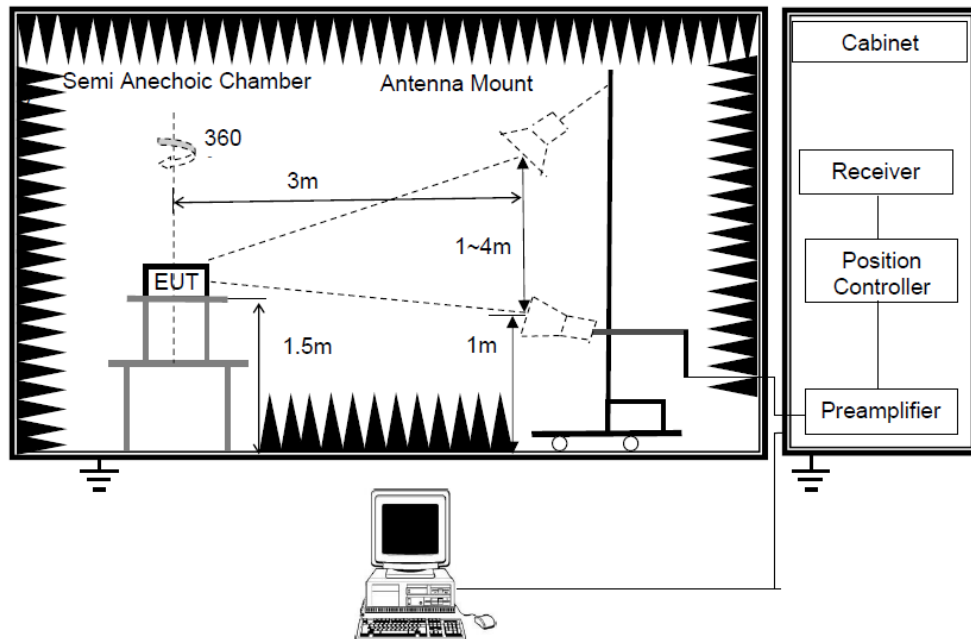
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	22.1℃	Relative Humidity	49.2%
Atmosphere Pressure	101kPa	Test Voltage	

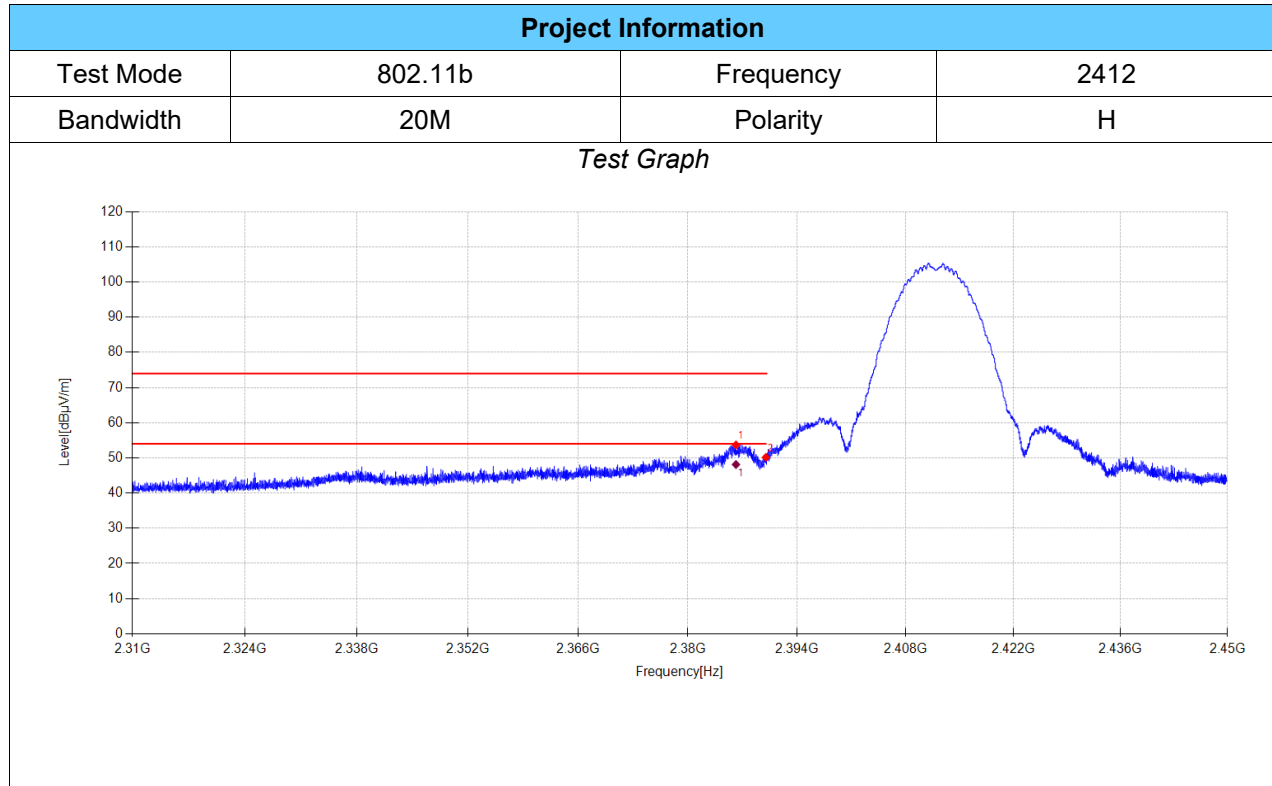
TEST DATE / ENGINEER

Test Date	May 20, 2026	Test By	Fanny Huang
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TEST RESULTS

8.1. RESTRICTED BANDEDGE

TX Radiated Test Result

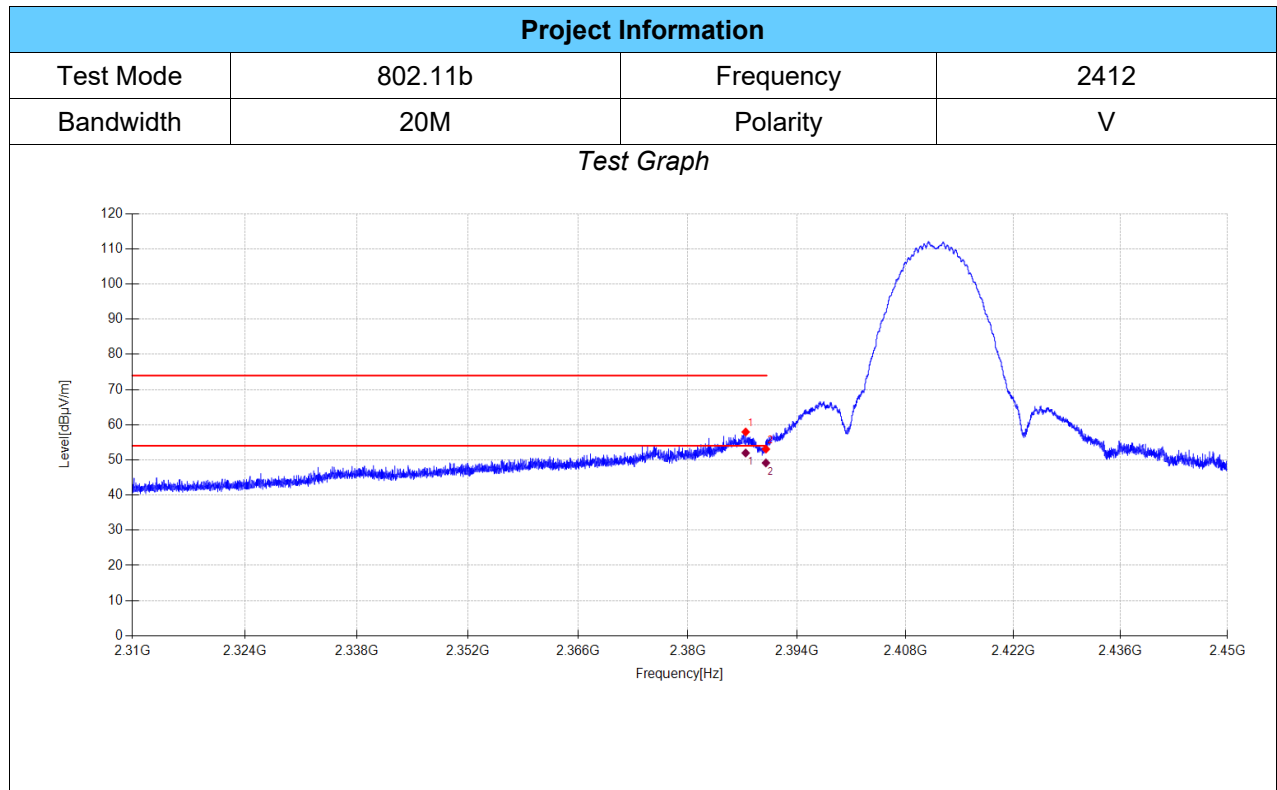


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2386.160	54.84	53.69	-1.15	74.00	20.31	PK	Horizontal	PASS
2	2390.000	51.29	50.16	-1.13	74.00	23.84	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2386.160	-1.15	49.27	48.12	54.00	5.88	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

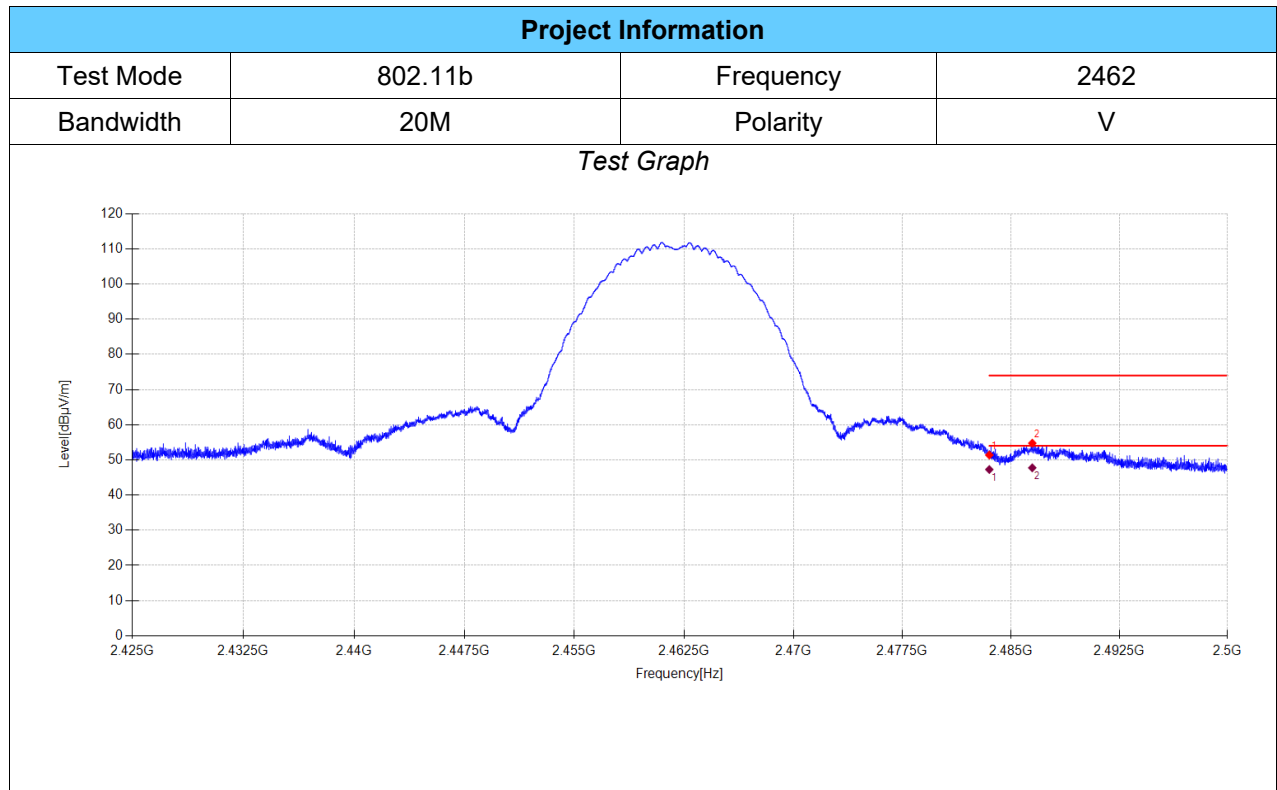


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2387.406	59.09	57.94	-1.15	74.00	16.06	PK	Vertical	PASS
2	2390.000	54.20	53.07	-1.13	74.00	20.93	PK	Vertical	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2387.406	-1.15	53.11	51.96	54.00	2.04	Vertical	PASS
2	2390.000	-1.13	50.28	49.15	54.00	4.85	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result



Peak Data List

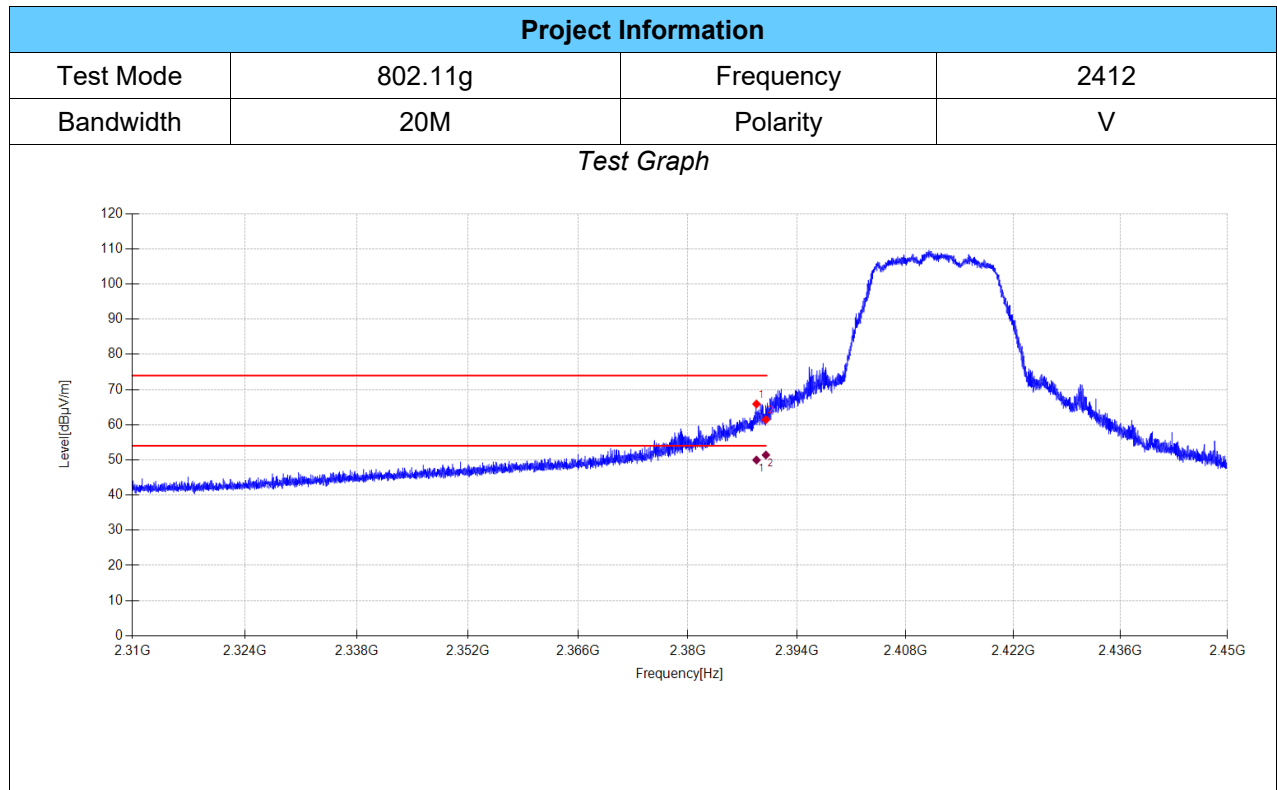
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.500	52.22	51.39	-0.83	74.00	22.61	PK	Vertical	PASS
2	2486.470	55.57	54.75	-0.82	74.00	19.25	PK	Vertical	PASS

AVG Data List

NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2483.500	-0.83	48.10	47.27	54.00	6.73	Vertical	PASS
2	2486.470	-0.82	48.57	47.75	54.00	6.25	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

TX Radiated Test Result



Peak Data List

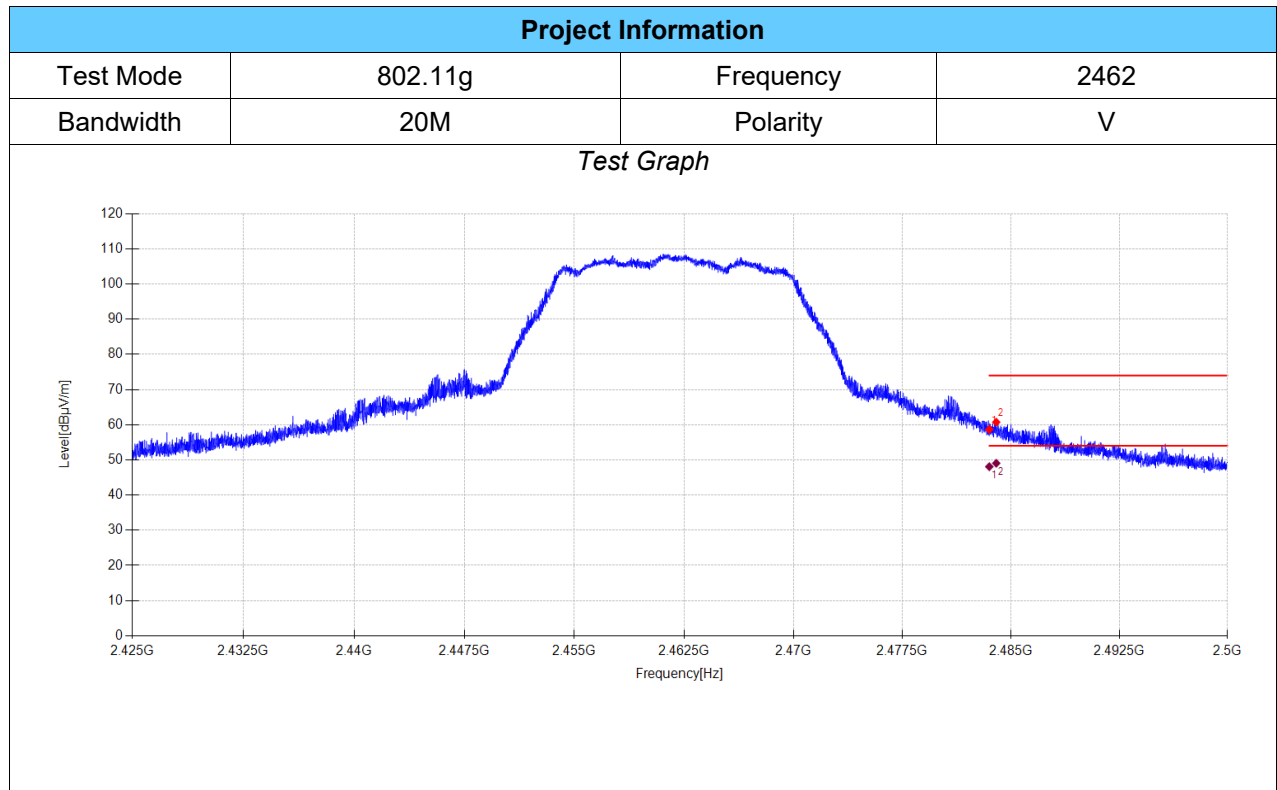
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2388.792	67.02	65.89	-1.13	74.00	8.11	PK	Vertical	PASS
2	2390.000	62.56	61.43	-1.13	74.00	12.57	PK	Vertical	PASS

AVG Data List

NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2388.792	-1.13	51.09	49.96	54.00	4.04	Vertical	PASS
2	2390.000	-1.13	52.52	51.39	54.00	2.61	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

TX Radiated Test Result



Peak Data List

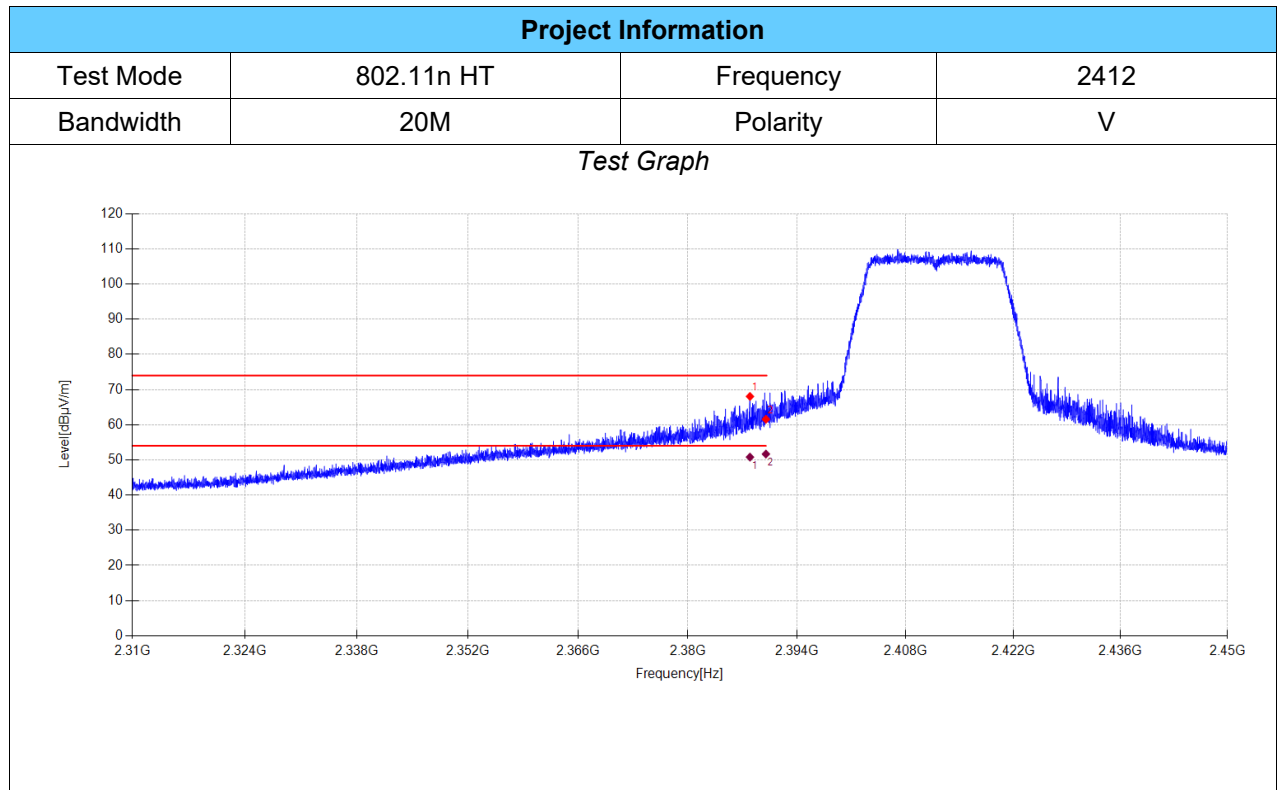
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.500	59.49	58.66	-0.83	74.00	15.34	PK	Vertical	PASS
2	2483.980	61.56	60.73	-0.83	74.00	13.27	PK	Vertical	PASS

AVG Data List

NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2483.500	-0.83	48.90	48.07	54.00	5.93	Vertical	PASS
2	2483.980	-0.83	49.87	49.04	54.00	4.96	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

TX Radiated Test Result



Peak Data List

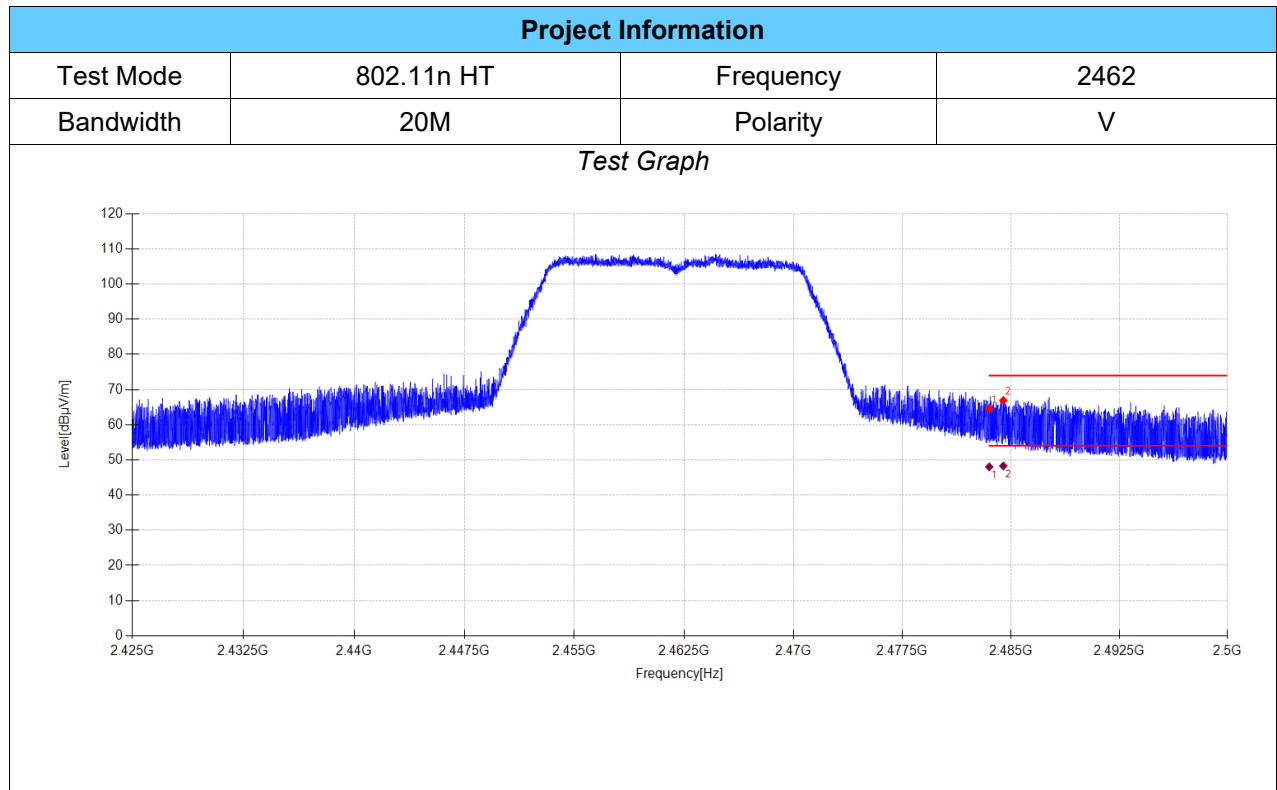
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2387.952	69.18	68.04	-1.14	74.00	5.96	PK	Vertical	PASS
2	2390.000	62.68	61.55	-1.13	74.00	12.45	PK	Vertical	PASS

AVG Data List

NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2387.952	-1.14	51.94	50.80	54.00	3.20	Vertical	PASS
2	2390.000	-1.13	52.79	51.66	54.00	2.34	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

TX Radiated Test Result



Peak Data List

NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.500	65.35	64.52	-0.83	74.00	9.48	PK	Vertical	PASS
2	2484.468	67.75	66.92	-0.83	74.00	7.08	PK	Vertical	PASS

AVG Data List

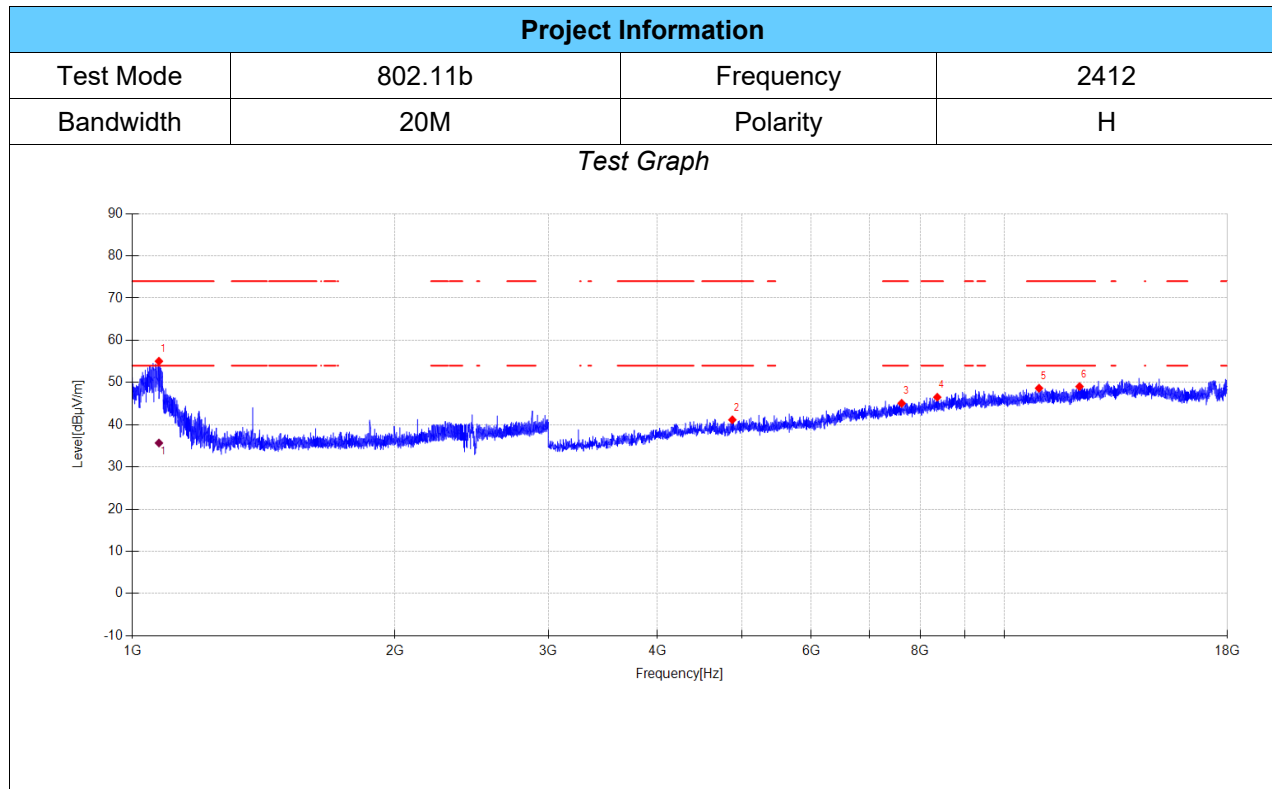
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Polarity	Verdict
1	2483.500	-0.83	48.86	48.03	54.00	5.97	Vertical	PASS
2	2484.468	-0.83	49.10	48.27	54.00	5.73	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

8.2. SPURIOUS EMISSIONS(1 GHZ~18 GHZ)

TX Radiated Test Result

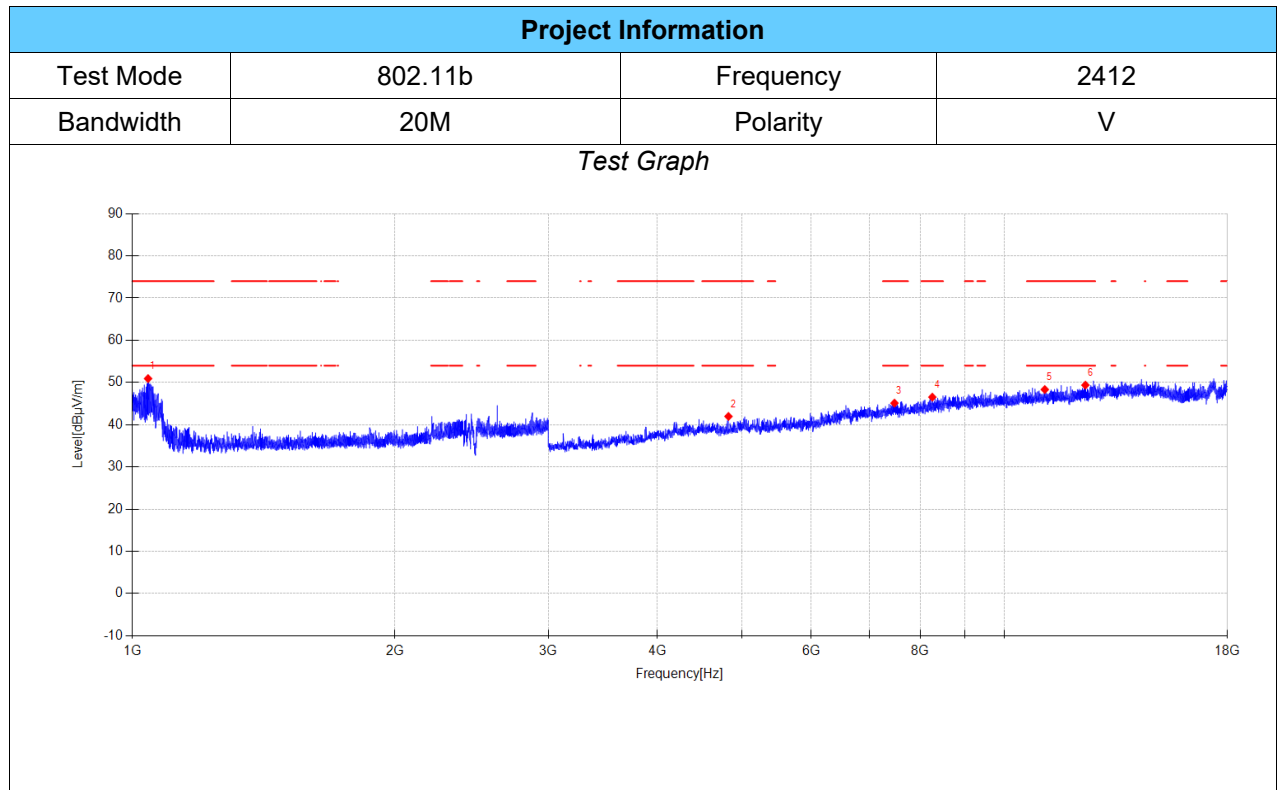


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1073.000	59.64	55.04	-4.60	74.00	18.96	PK	Horizontal	PASS
2	4873.500	51.35	41.16	-10.19	74.00	32.84	PK	Horizontal	PASS
3	7618.500	49.66	45.07	-4.59	74.00	28.93	PK	Horizontal	PASS
4	8370.000	50.00	46.51	-3.49	74.00	27.49	PK	Horizontal	PASS
5	10948.500	48.18	48.64	0.46	74.00	25.36	PK	Horizontal	PASS
6	12184.500	47.06	49.05	1.99	74.00	24.95	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1073.000	-4.60	40.27	35.67	54.00	18.33	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

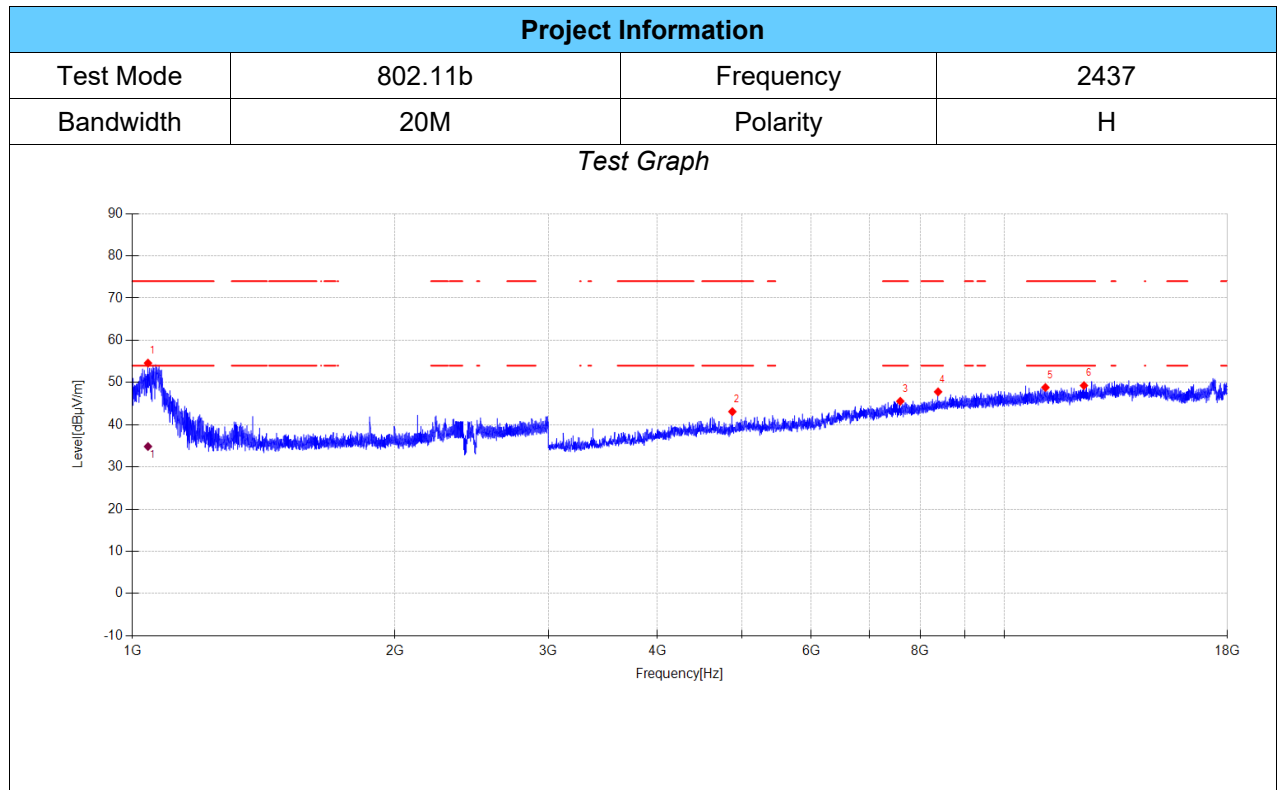
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1042.600	55.67	50.93	-4.74	74.00	23.07	PK	Vertical	PASS
2	4824.000	52.23	41.97	-10.26	74.00	32.03	PK	Vertical	PASS
3	7476.000	49.54	45.12	-4.42	74.00	28.88	PK	Vertical	PASS
4	8262.000	50.23	46.54	-3.69	74.00	27.46	PK	Vertical	PASS
5	11116.500	47.72	48.33	0.61	74.00	25.67	PK	Vertical	PASS
6	12373.500	47.28	49.38	2.10	74.00	24.62	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

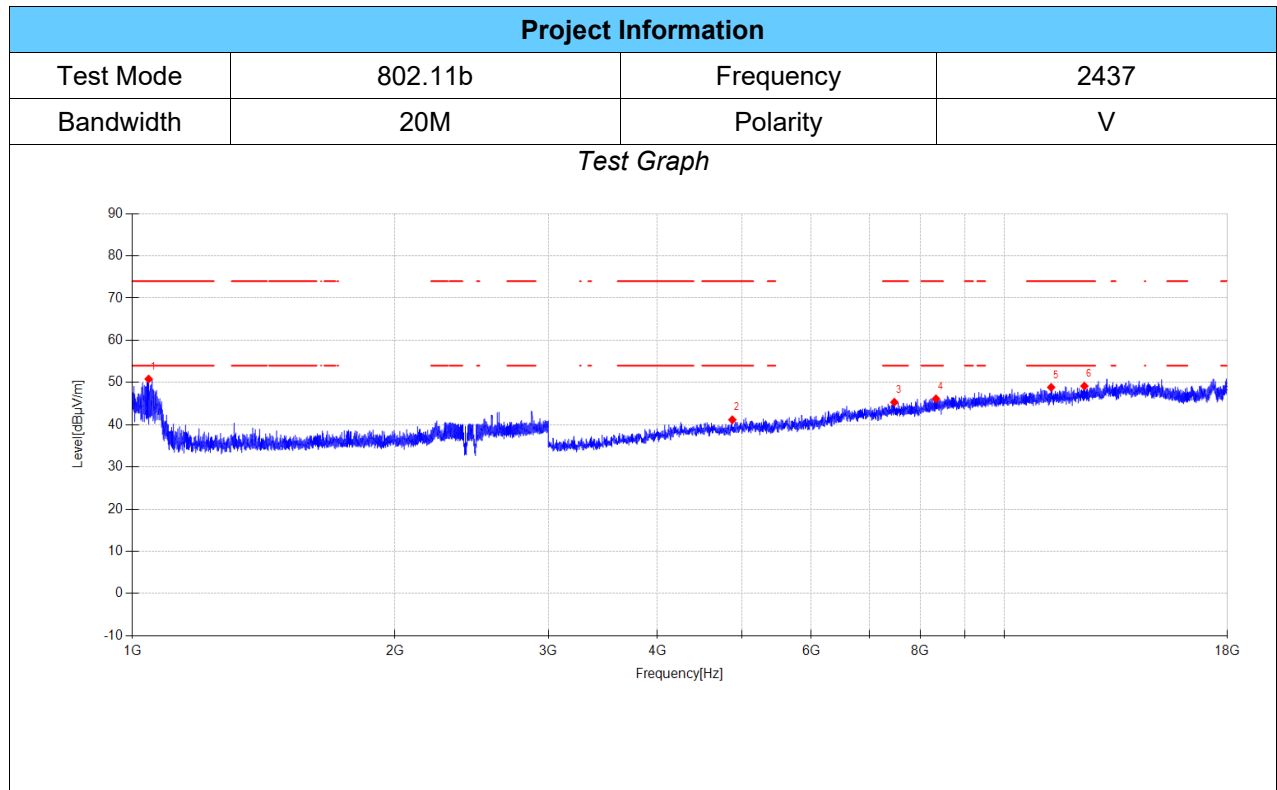


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1042.400	59.34	54.60	-4.74	74.00	19.40	PK	Horizontal	PASS
2	4873.500	53.29	43.10	-10.19	74.00	30.90	PK	Horizontal	PASS
3	7591.500	50.16	45.56	-4.60	74.00	28.44	PK	Horizontal	PASS
4	8388.000	51.23	47.79	-3.44	74.00	26.21	PK	Horizontal	PASS
5	11136.000	48.15	48.82	0.67	74.00	25.18	PK	Horizontal	PASS
6	12327.000	47.06	49.28	2.22	74.00	24.72	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1042.400	-4.74	39.58	34.84	54.00	19.16	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

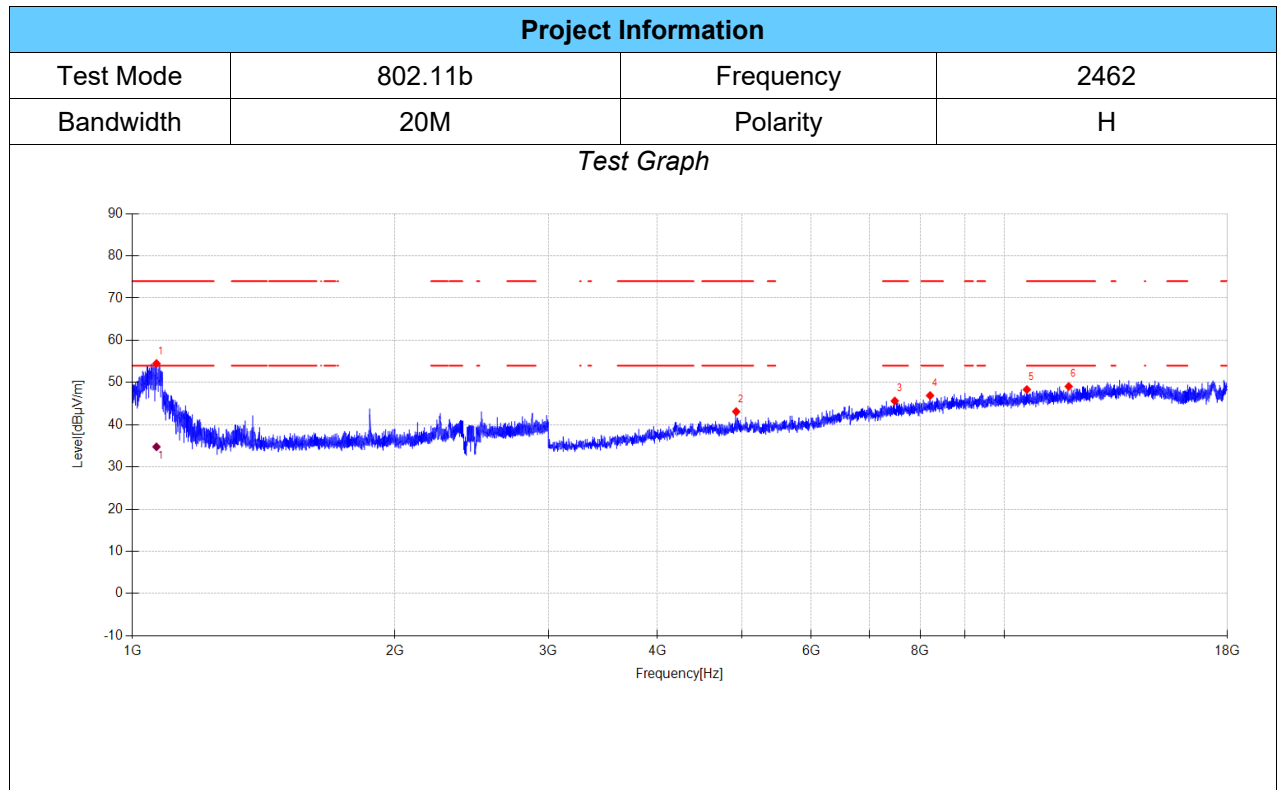
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1044.200	55.55	50.82	-4.73	74.00	23.18	PK	Vertical	PASS
2	4873.500	51.36	41.17	-10.19	74.00	32.83	PK	Vertical	PASS
3	7473.000	49.75	45.32	-4.43	74.00	28.68	PK	Vertical	PASS
4	8341.500	49.70	46.14	-3.56	74.00	27.86	PK	Vertical	PASS
5	11305.500	47.76	48.85	1.09	74.00	25.15	PK	Vertical	PASS
6	12342.000	46.97	49.15	2.18	74.00	24.85	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

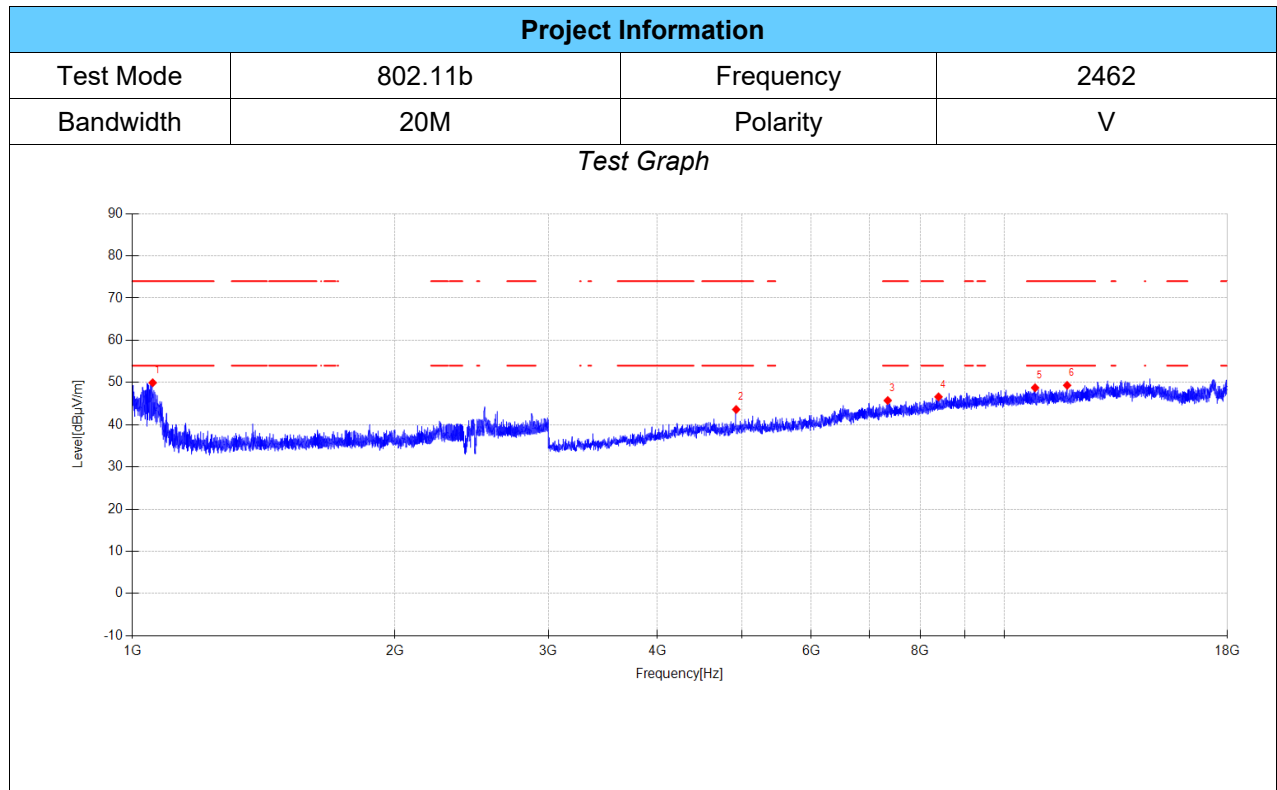


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1066.000	59.13	54.50	-4.63	74.00	19.50	PK	Horizontal	PASS
2	4923.000	53.09	43.11	-9.98	74.00	30.89	PK	Horizontal	PASS
3	7482.000	50.02	45.62	-4.40	74.00	28.38	PK	Horizontal	PASS
4	8212.500	50.61	46.91	-3.70	74.00	27.09	PK	Horizontal	PASS
5	10602.000	48.46	48.32	-0.14	74.00	25.68	PK	Horizontal	PASS
6	11841.000	47.70	49.07	1.37	74.00	24.93	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1066.000	-4.63	39.39	34.76	54.00	19.24	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

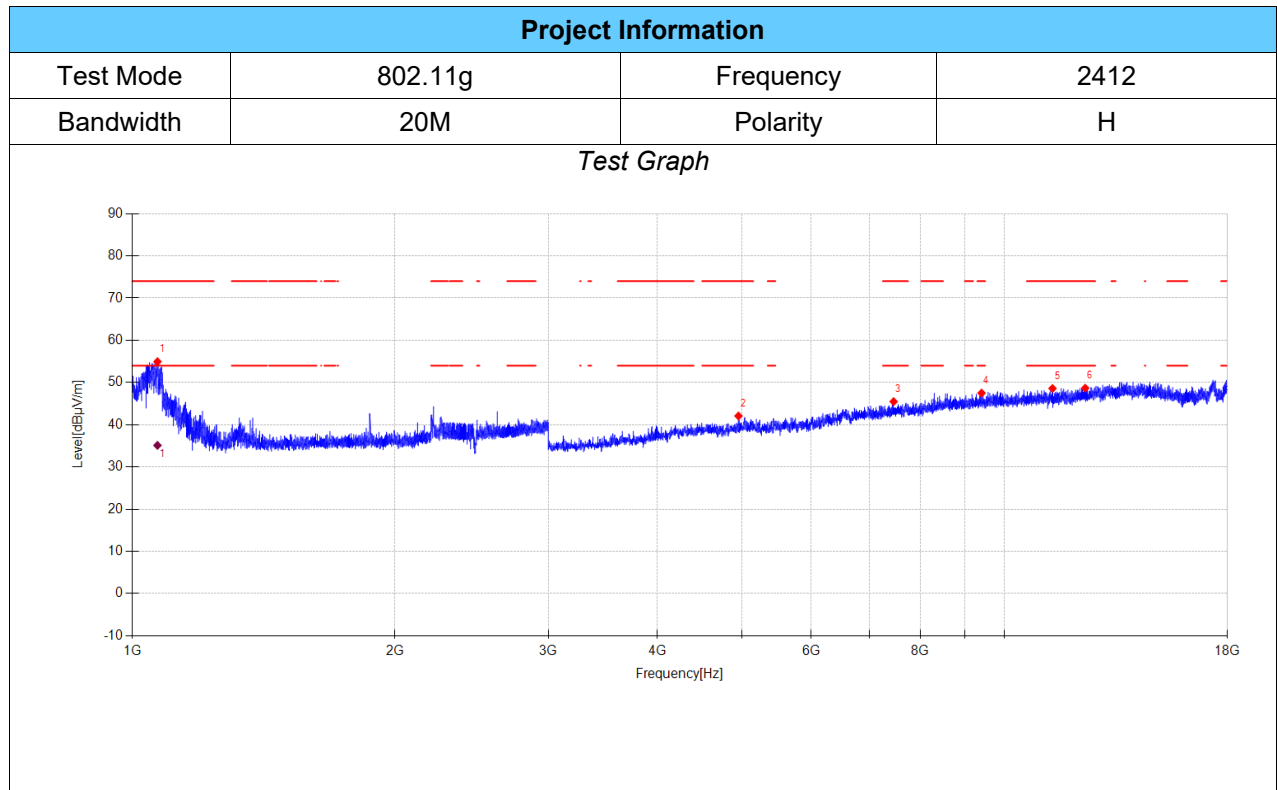
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1055.400	54.62	49.94	-4.68	74.00	24.06	PK	Vertical	PASS
2	4923.000	53.59	43.61	-9.98	74.00	30.39	PK	Vertical	PASS
3	7344.000	50.50	45.74	-4.76	74.00	28.26	PK	Vertical	PASS
4	8397.000	50.01	46.60	-3.41	74.00	27.40	PK	Vertical	PASS
5	10836.000	48.51	48.76	0.25	74.00	25.24	PK	Vertical	PASS
6	11791.500	47.97	49.33	1.36	74.00	24.67	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

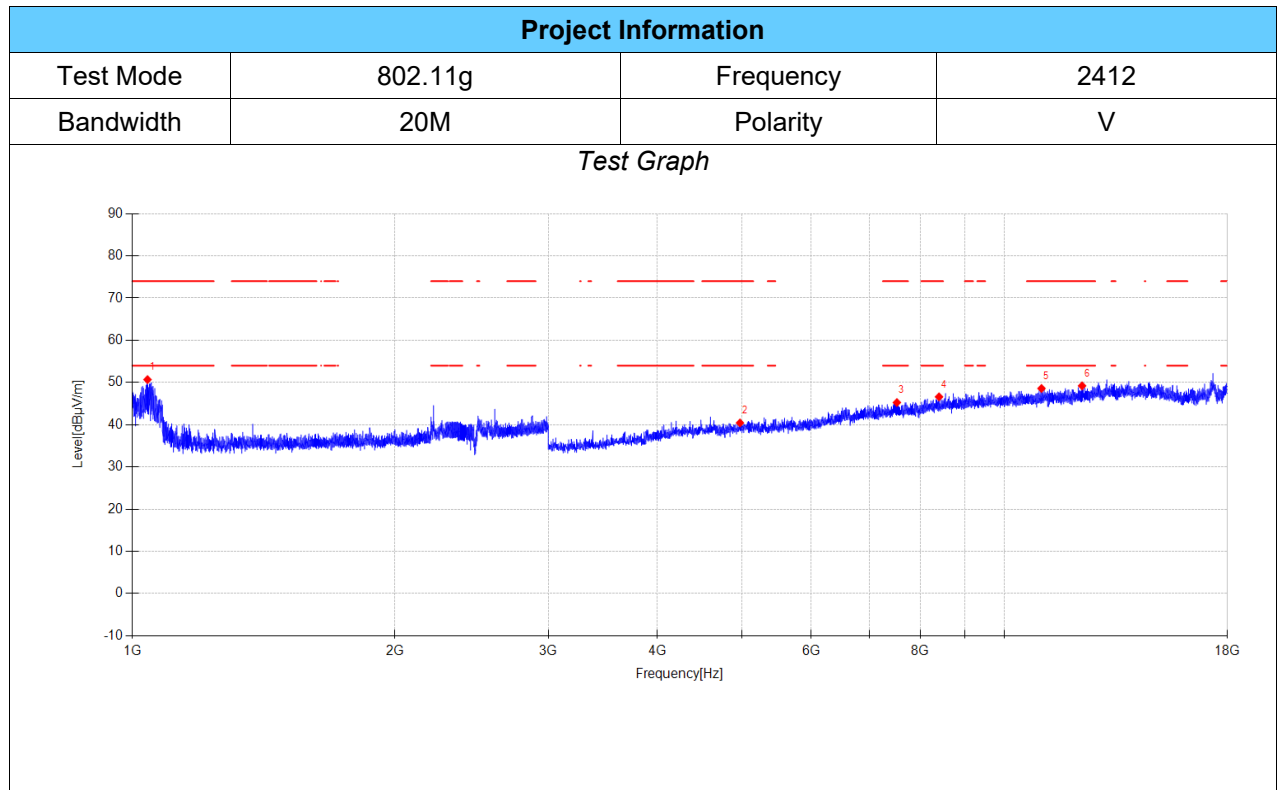


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1068.800	59.56	54.94	-4.62	74.00	19.06	PK	Horizontal	PASS
2	4953.000	51.84	42.07	-9.77	74.00	31.93	PK	Horizontal	PASS
3	7459.500	49.94	45.48	-4.46	74.00	28.52	PK	Horizontal	PASS
4	9408.000	49.06	47.50	-1.56	74.00	26.50	PK	Horizontal	PASS
5	11346.000	47.52	48.59	1.07	74.00	25.41	PK	Horizontal	PASS
6	12367.500	46.56	48.67	2.11	74.00	25.33	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1068.800	-4.62	39.73	35.11	54.00	18.89	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

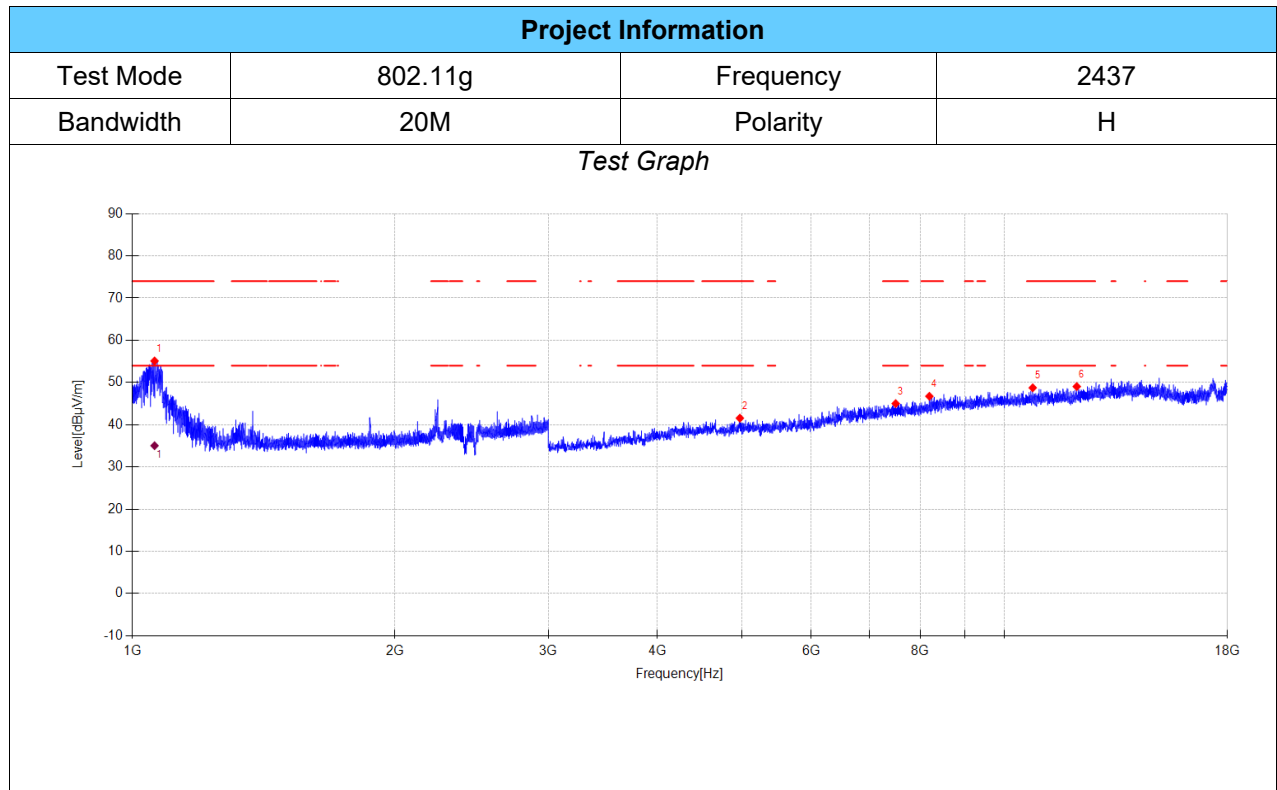
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1041.000	55.44	50.69	-4.75	74.00	23.31	PK	Vertical	PASS
2	4972.500	50.06	40.43	-9.63	74.00	33.57	PK	Vertical	PASS
3	7524.000	49.68	45.26	-4.42	74.00	28.74	PK	Vertical	PASS
4	8409.000	49.99	46.60	-3.39	74.00	27.40	PK	Vertical	PASS
5	11020.500	48.16	48.59	0.43	74.00	25.41	PK	Vertical	PASS
6	12267.000	47.02	49.21	2.19	74.00	24.79	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

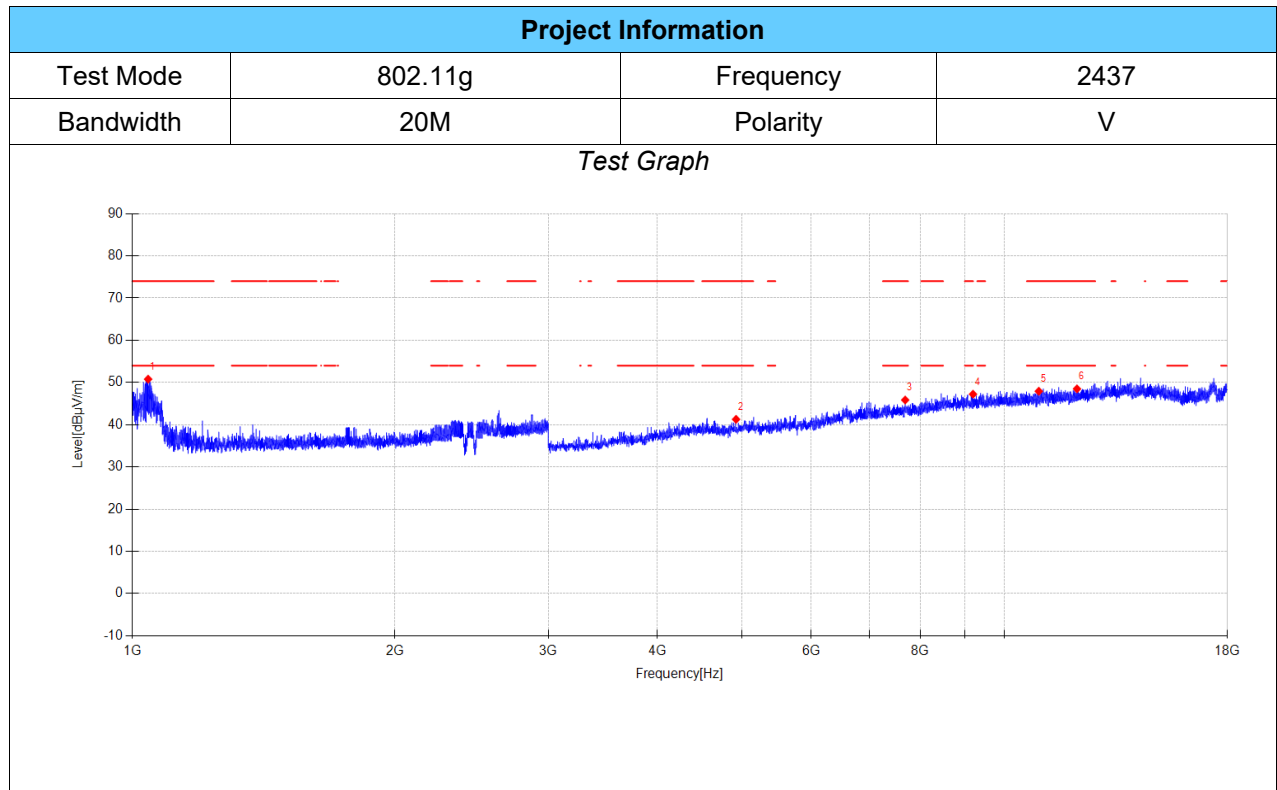


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1060.600	59.75	55.10	-4.65	74.00	18.90	PK	Horizontal	PASS
2	4971.000	51.20	41.56	-9.64	74.00	32.44	PK	Horizontal	PASS
3	7500.000	49.36	45.00	-4.36	74.00	29.00	PK	Horizontal	PASS
4	8197.500	50.45	46.74	-3.71	74.00	27.26	PK	Horizontal	PASS
5	10768.500	48.66	48.75	0.09	74.00	25.25	PK	Horizontal	PASS
6	12096.000	47.06	49.04	1.98	74.00	24.96	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1060.600	-4.65	39.68	35.03	54.00	18.97	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

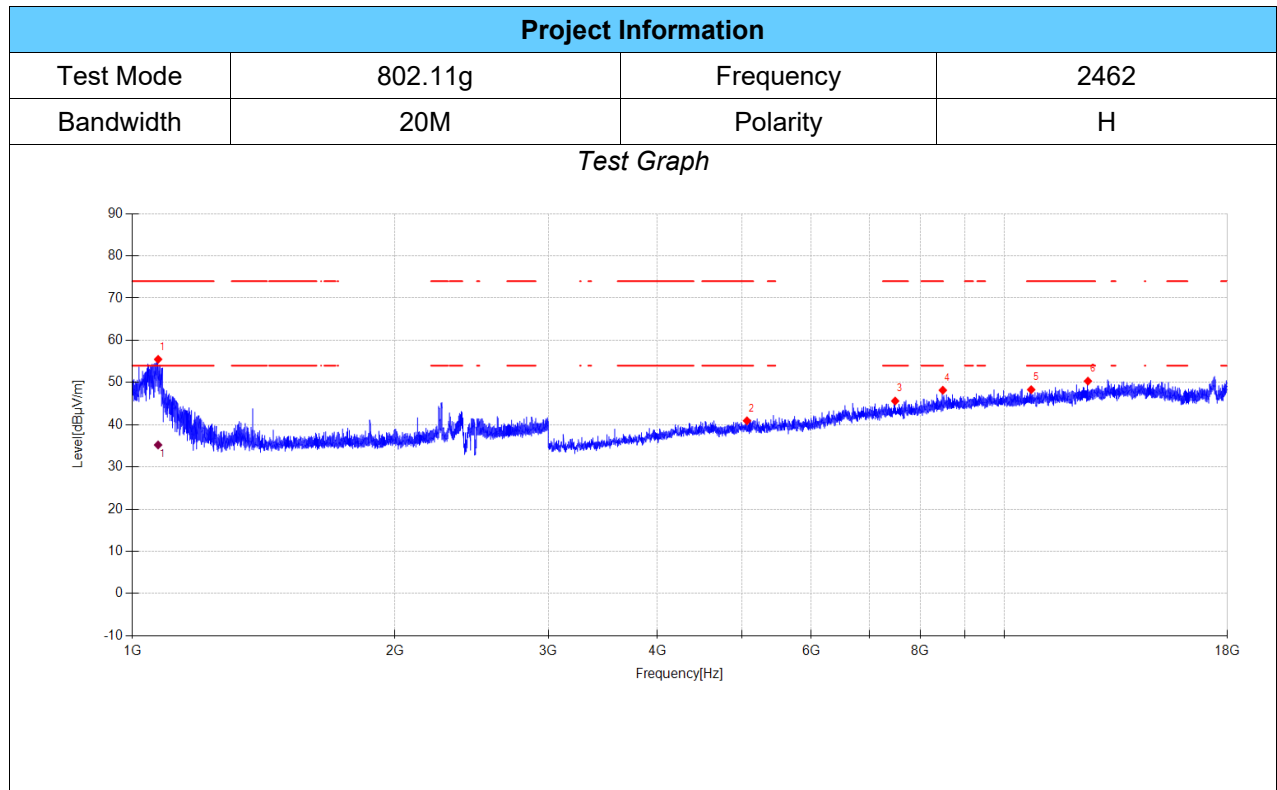
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1042.800	55.52	50.79	-4.73	74.00	23.21	PK	Vertical	PASS
2	4921.500	51.26	41.28	-9.98	74.00	32.72	PK	Vertical	PASS
3	7690.500	50.32	45.86	-4.46	74.00	28.14	PK	Vertical	PASS
4	9198.000	49.54	47.23	-2.31	74.00	26.77	PK	Vertical	PASS
5	10942.500	47.46	47.93	0.47	74.00	26.07	PK	Vertical	PASS
6	12103.500	46.49	48.49	2.00	74.00	25.51	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

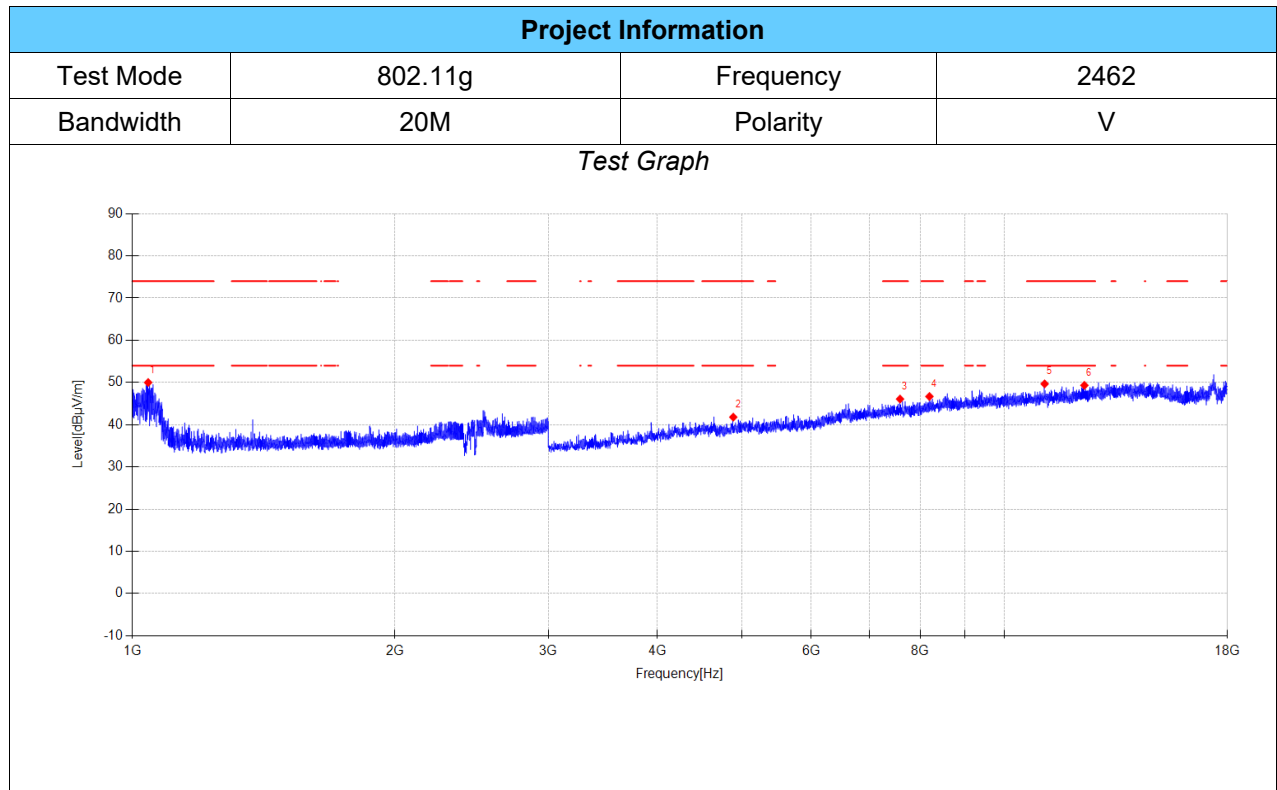


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1070.600	60.10	55.49	-4.61	74.00	18.51	PK	Horizontal	PASS
2	5065.500	50.24	40.93	-9.31	74.00	33.07	PK	Horizontal	PASS
3	7489.500	50.01	45.62	-4.39	74.00	28.38	PK	Horizontal	PASS
4	8493.000	51.32	48.17	-3.15	74.00	25.83	PK	Horizontal	PASS
5	10725.000	48.21	48.30	0.09	74.00	25.70	PK	Horizontal	PASS
6	12457.500	48.16	50.33	2.17	74.00	23.67	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1070.600	-4.61	39.82	35.21	54.00	18.79	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

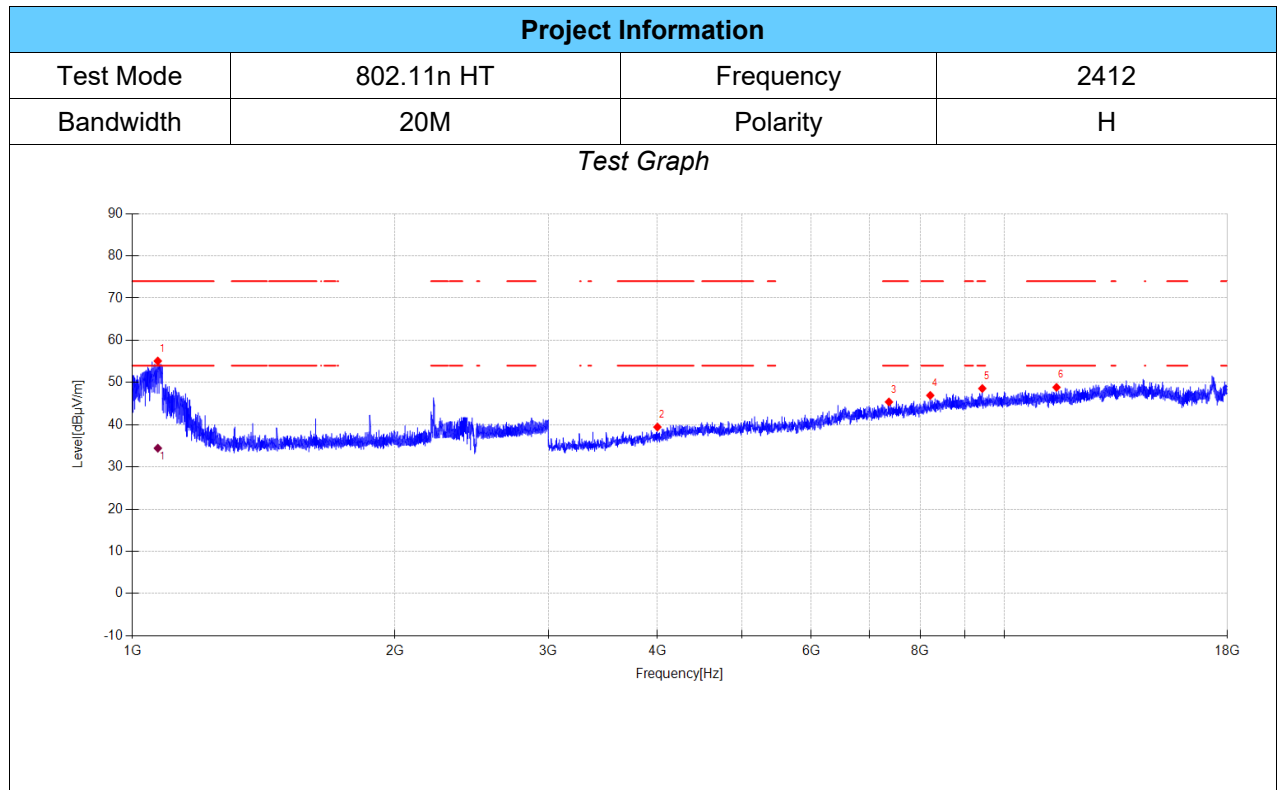
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1042.800	54.73	50.00	-4.73	74.00	24.00	PK	Vertical	PASS
2	4885.500	51.96	41.80	-10.16	74.00	32.20	PK	Vertical	PASS
3	7587.000	50.68	46.09	-4.59	74.00	27.91	PK	Vertical	PASS
4	8199.000	50.40	46.69	-3.71	74.00	27.31	PK	Vertical	PASS
5	11112.000	49.08	49.68	0.60	74.00	24.32	PK	Vertical	PASS
6	12342.000	47.15	49.33	2.18	74.00	24.67	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

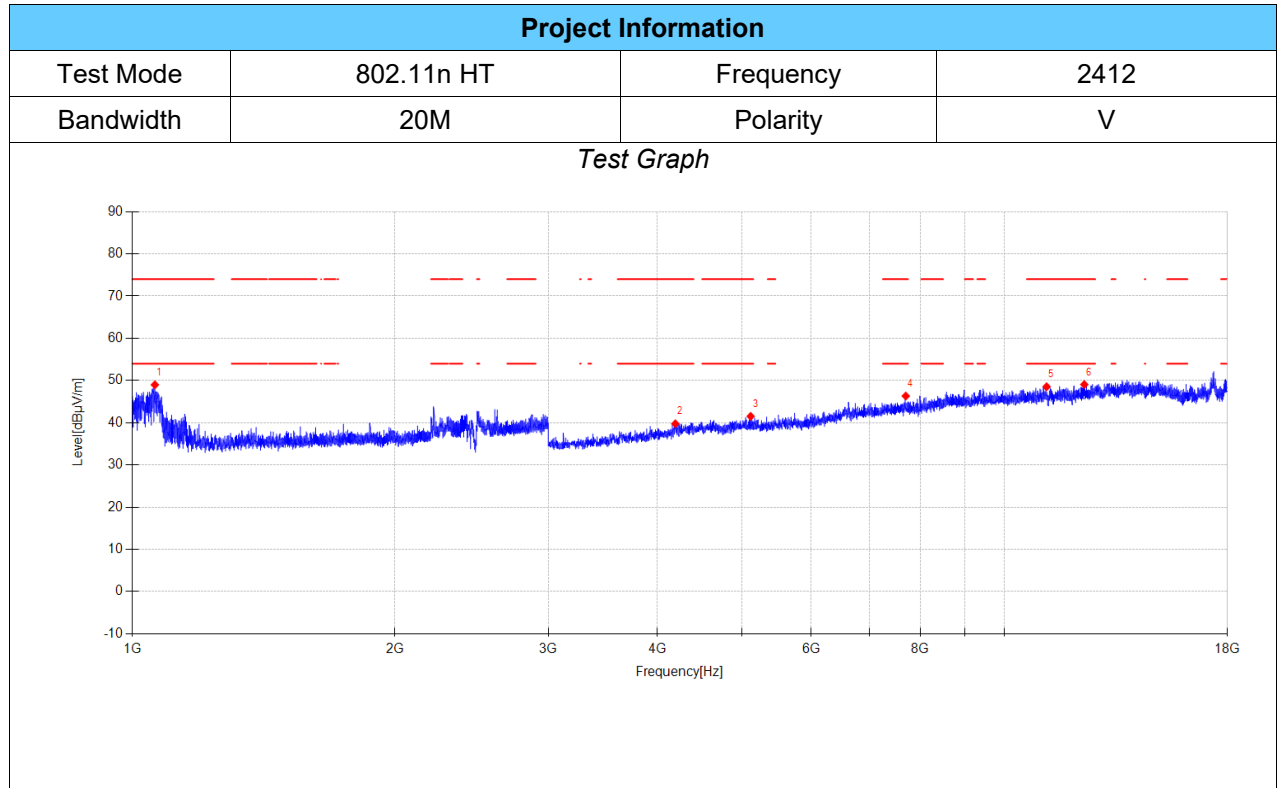


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1069.800	59.70	55.09	-4.61	74.00	18.91	PK	Horizontal	PASS
2	3999.000	51.82	39.45	-12.37	74.00	34.55	PK	Horizontal	PASS
3	7368.000	50.10	45.40	-4.70	74.00	28.60	PK	Horizontal	PASS
4	8217.000	50.64	46.94	-3.70	74.00	27.06	PK	Horizontal	PASS
5	9426.000	50.21	48.58	-1.63	74.00	25.42	PK	Horizontal	PASS
6	11466.000	47.72	48.86	1.14	74.00	25.14	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1069.800	-4.61	39.05	34.44	54.00	19.56	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

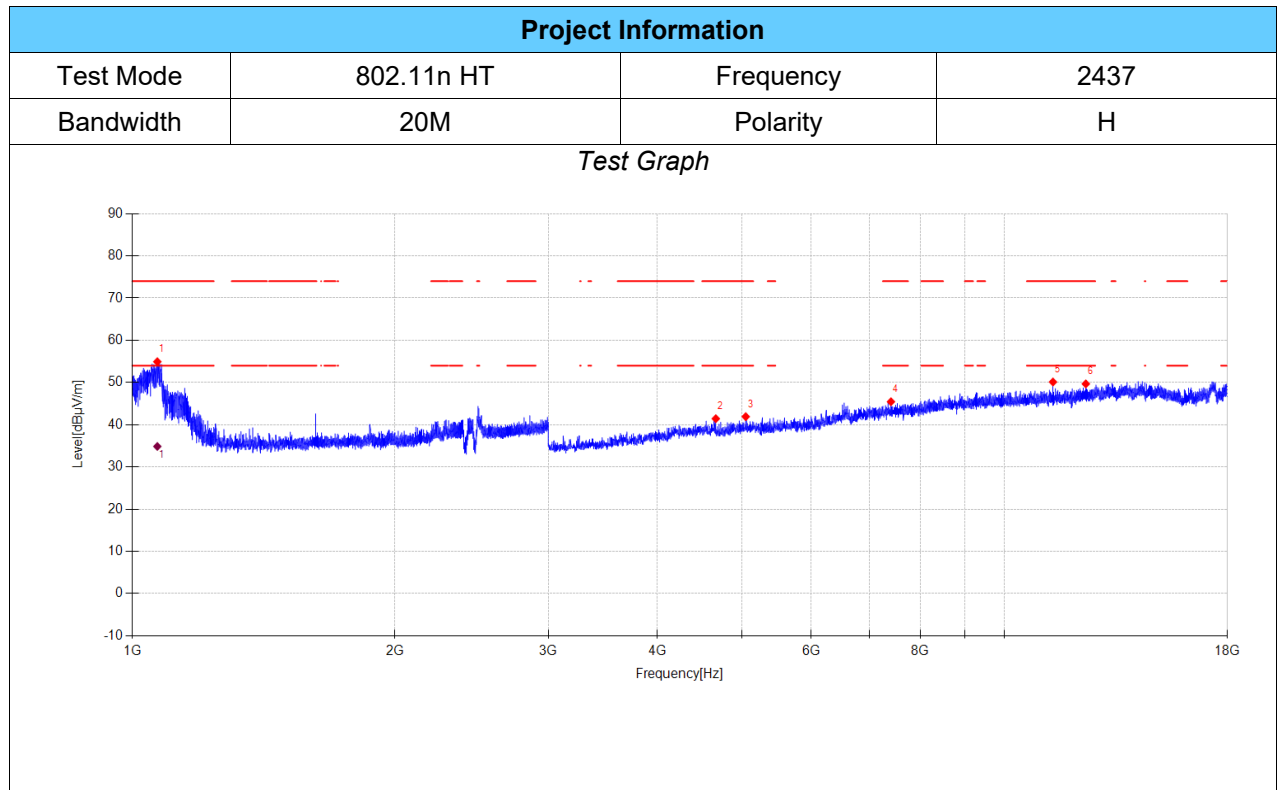
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4225.500	50.44	39.39	-11.05	74.00	34.61	PK	Vertical	PASS
2	5034.000	50.87	41.51	-9.36	74.00	32.49	PK	Vertical	PASS
3	7645.500	49.53	45.00	-4.53	74.00	29.00	PK	Vertical	PASS
4	8346.000	49.39	45.84	-3.55	74.00	28.16	PK	Vertical	PASS
5	10936.500	47.38	47.86	0.48	74.00	26.14	PK	Vertical	PASS
6	12000.000	47.54	48.83	1.29	74.00	25.17	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

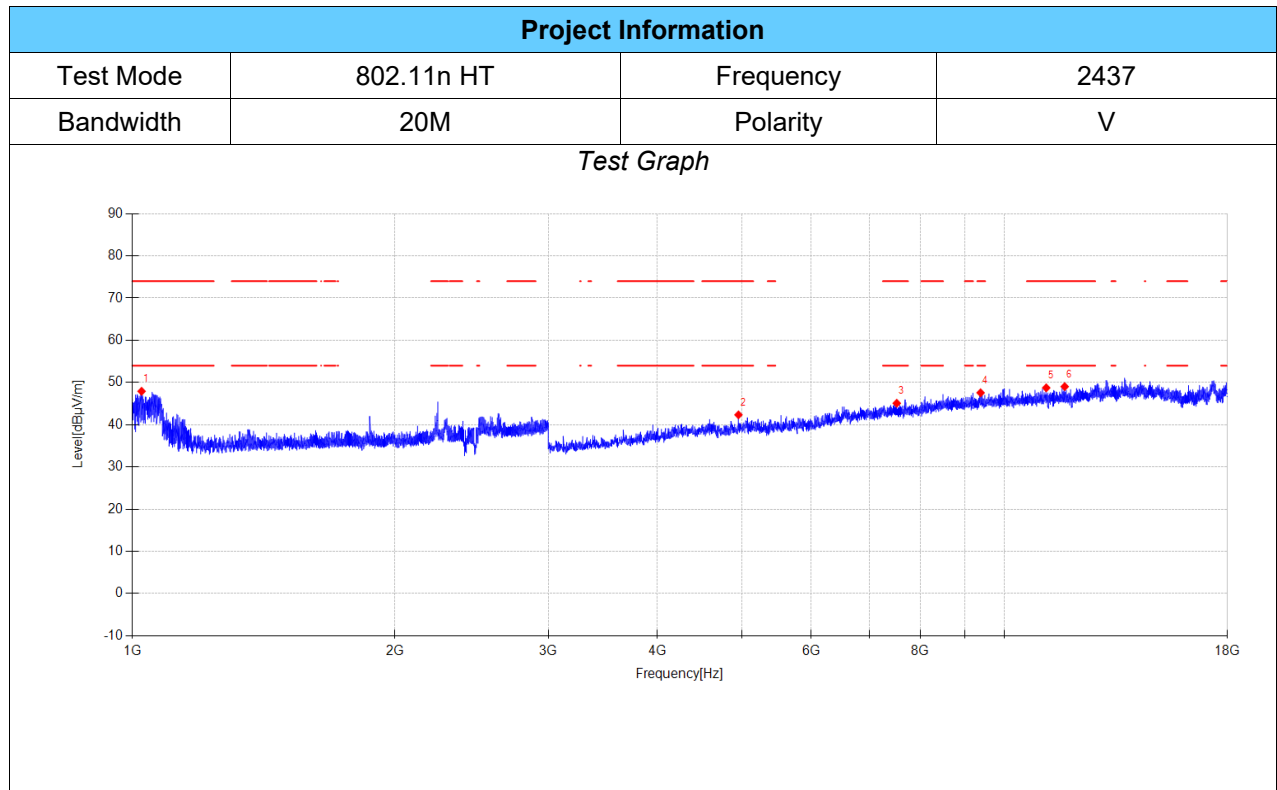


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1068.400	59.55	54.93	-4.62	74.00	19.07	PK	Horizontal	PASS
2	4665.000	51.75	41.43	-10.32	74.00	32.57	PK	Horizontal	PASS
3	5049.000	51.25	41.91	-9.34	74.00	32.09	PK	Horizontal	PASS
4	7407.000	50.05	45.45	-4.60	74.00	28.55	PK	Horizontal	PASS
5	11359.500	49.07	50.13	1.06	74.00	23.87	PK	Horizontal	PASS
6	12388.500	47.63	49.68	2.05	74.00	24.32	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1068.400	-4.62	39.47	34.85	54.00	19.15	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

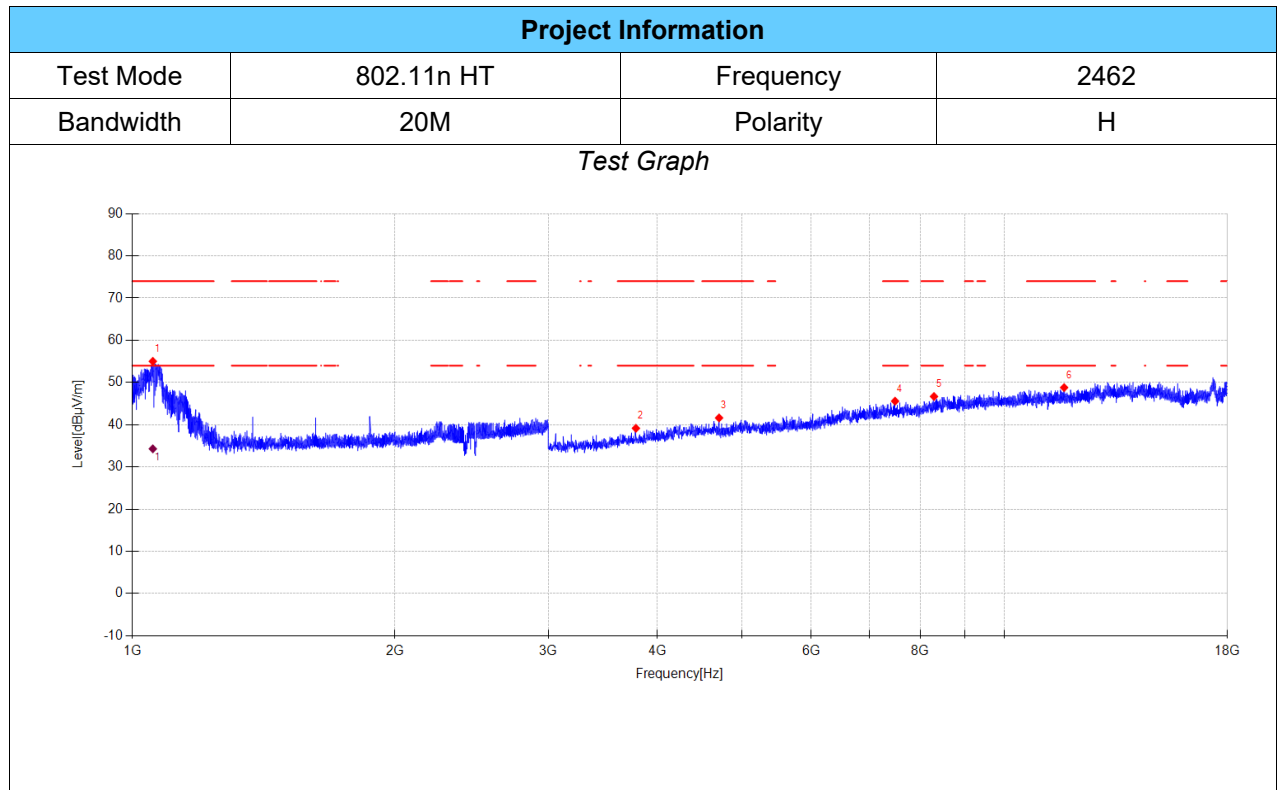
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1025.000	52.74	47.92	-4.82	74.00	26.08	PK	Vertical	PASS
2	4953.000	52.11	42.34	-9.77	74.00	31.66	PK	Vertical	PASS
3	7521.000	49.50	45.09	-4.41	74.00	28.91	PK	Vertical	PASS
4	9384.000	49.14	47.57	-1.57	74.00	26.43	PK	Vertical	PASS
5	11158.500	48.01	48.74	0.73	74.00	25.26	PK	Vertical	PASS
6	11715.000	47.91	49.03	1.12	74.00	24.97	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

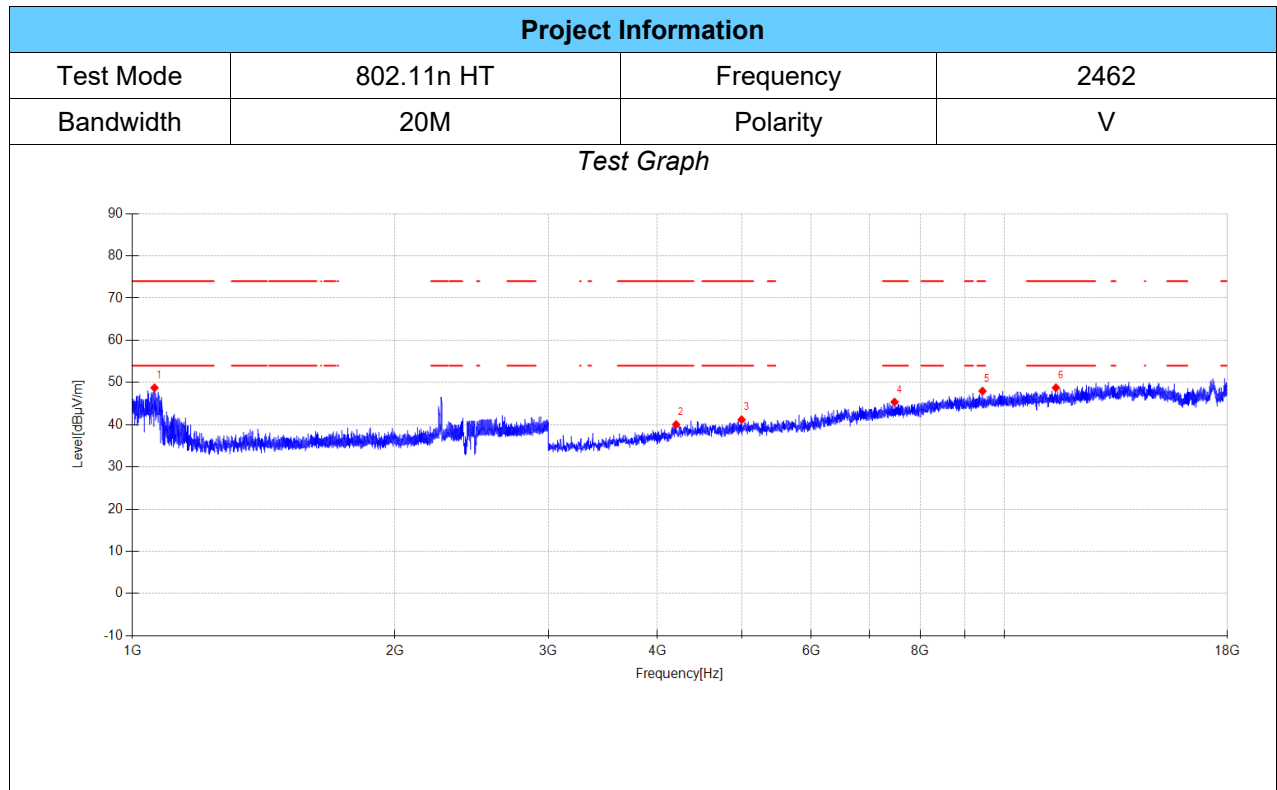


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1055.800	59.70	55.02	-4.68	74.00	18.98	PK	Horizontal	PASS
2	3778.500	52.95	39.16	-13.79	74.00	34.84	PK	Horizontal	PASS
3	4705.500	51.97	41.61	-10.36	74.00	32.39	PK	Horizontal	PASS
4	7488.000	49.98	45.59	-4.39	74.00	28.41	PK	Horizontal	PASS
5	8298.000	50.36	46.69	-3.67	74.00	27.31	PK	Horizontal	PASS
6	11698.500	47.74	48.81	1.07	74.00	25.19	PK	Horizontal	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1055.800	-4.68	38.97	34.29	54.00	19.71	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

TX Radiated Test Result

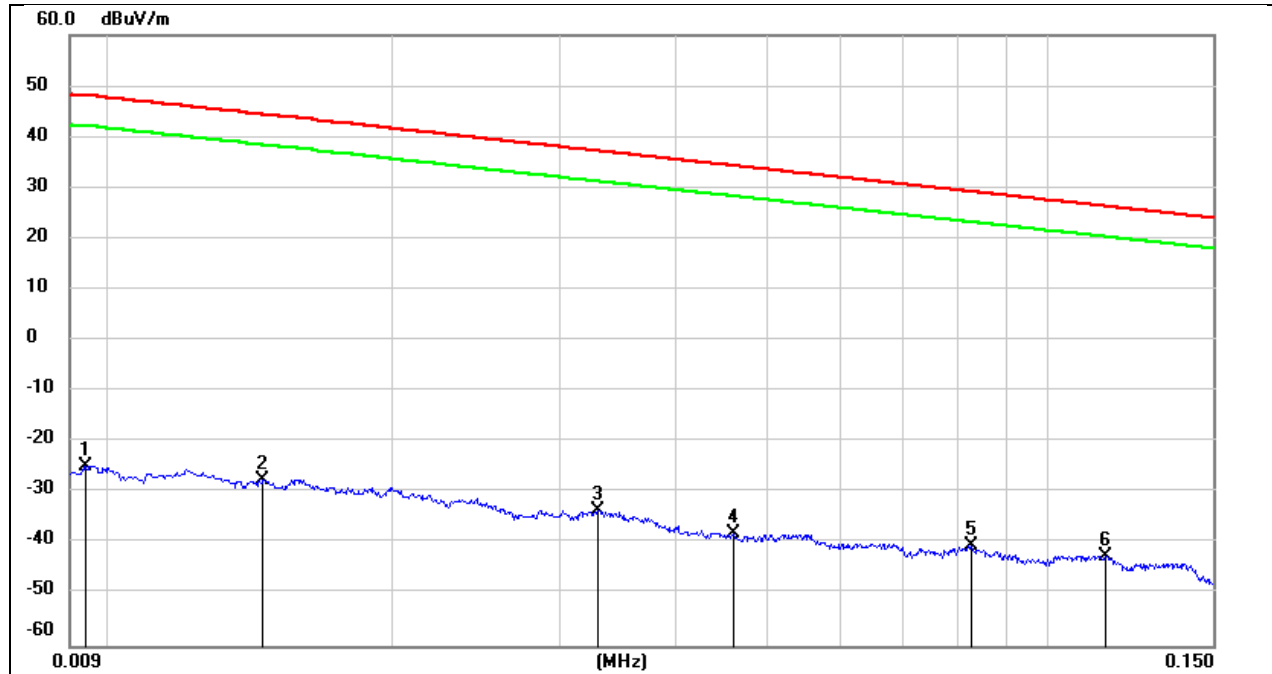


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1060.400	53.40	48.75	-4.65	74.00	25.25	PK	Vertical	PASS
2	4201.500	51.06	40.04	-11.02	74.00	33.96	PK	Vertical	PASS
3	4993.500	50.66	41.19	-9.47	74.00	32.81	PK	Vertical	PASS
4	7477.500	49.80	45.38	-4.42	74.00	28.62	PK	Vertical	PASS
5	9432.000	49.62	47.97	-1.65	74.00	26.03	PK	Vertical	PASS
6	11448.000	47.64	48.76	1.12	74.00	25.24	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

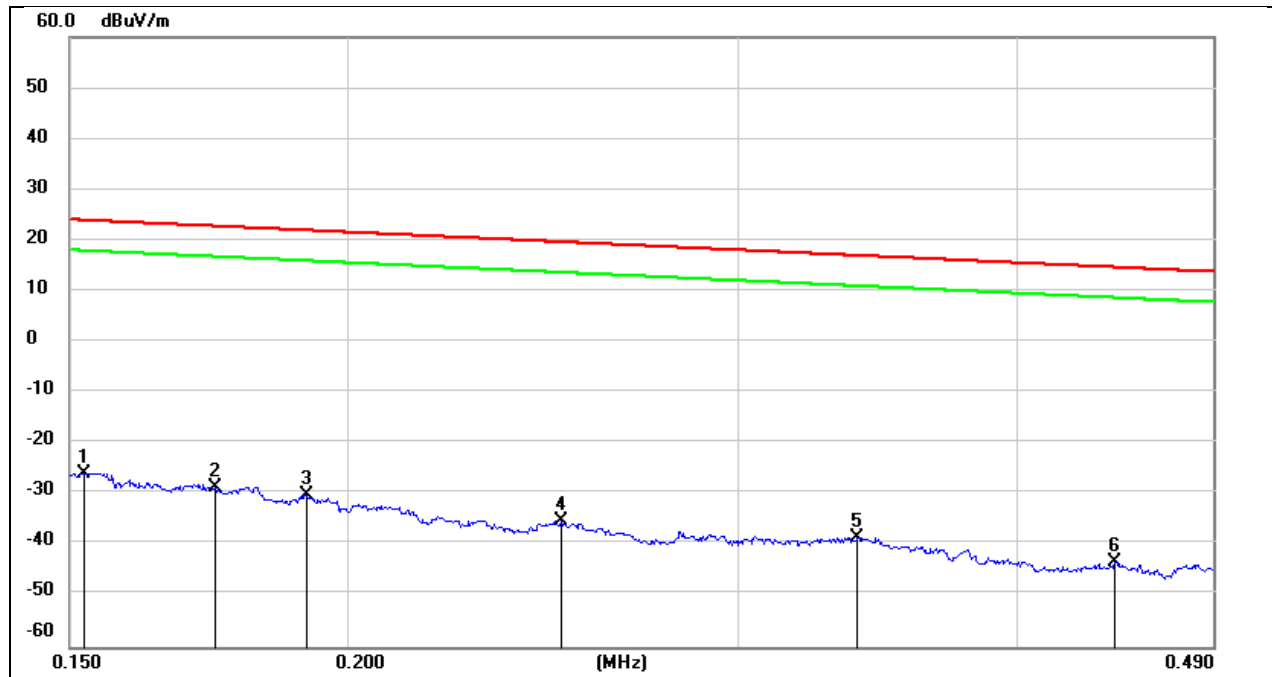
8.3. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



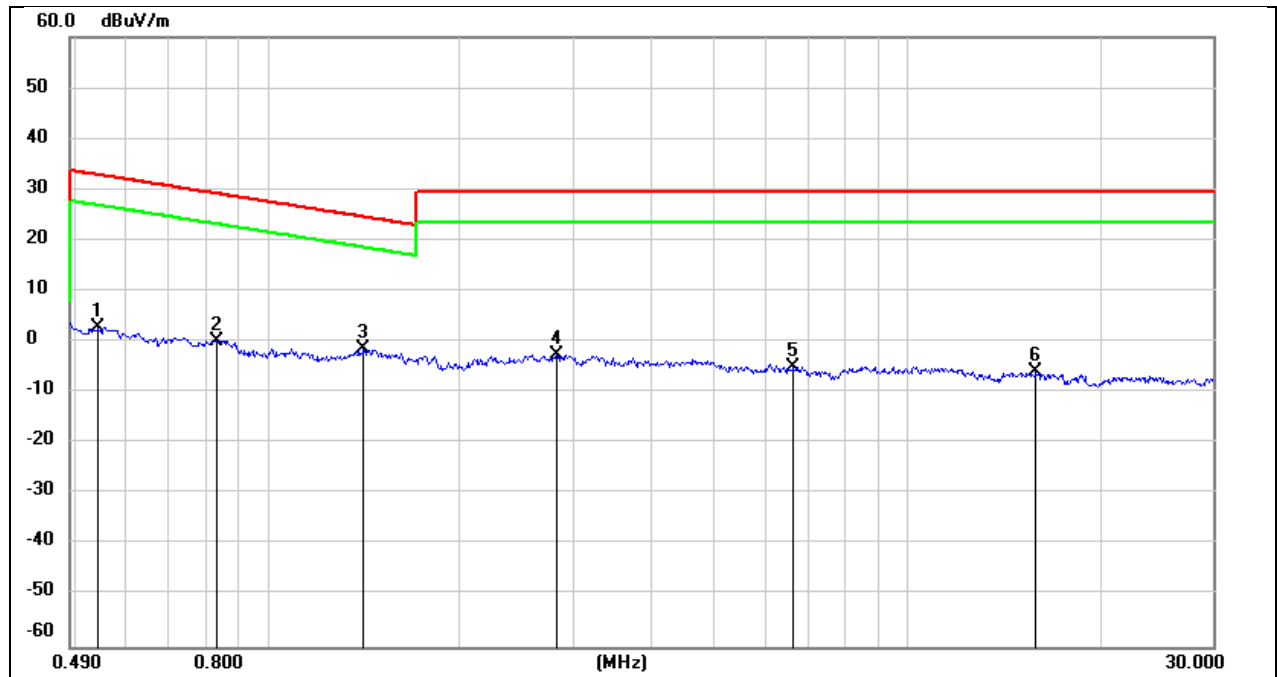
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0094	76.66	-101.35	-24.69	48.05	-72.74	peak
2	0.0145	74.05	-101.38	-27.33	44.37	-71.70	peak
3	0.0330	67.98	-101.40	-33.42	37.23	-70.65	peak
4	0.0461	63.46	-101.46	-38.00	34.33	-72.33	peak
5	0.0826	61.32	-101.65	-40.33	29.26	-69.59	peak
6	0.1150	59.44	-101.75	-42.31	26.39	-68.70	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1524	75.80	-101.63	-25.83	23.94	-49.77	peak
2	0.1743	73.16	-101.67	-28.51	22.78	-51.29	peak
3	0.1917	71.54	-101.70	-30.16	21.95	-52.11	peak
4	0.2494	66.46	-101.80	-35.34	19.66	-55.00	peak
5	0.3392	63.40	-101.90	-38.50	16.99	-55.49	peak
6	0.4425	58.67	-102.01	-43.34	14.68	-58.02	peak

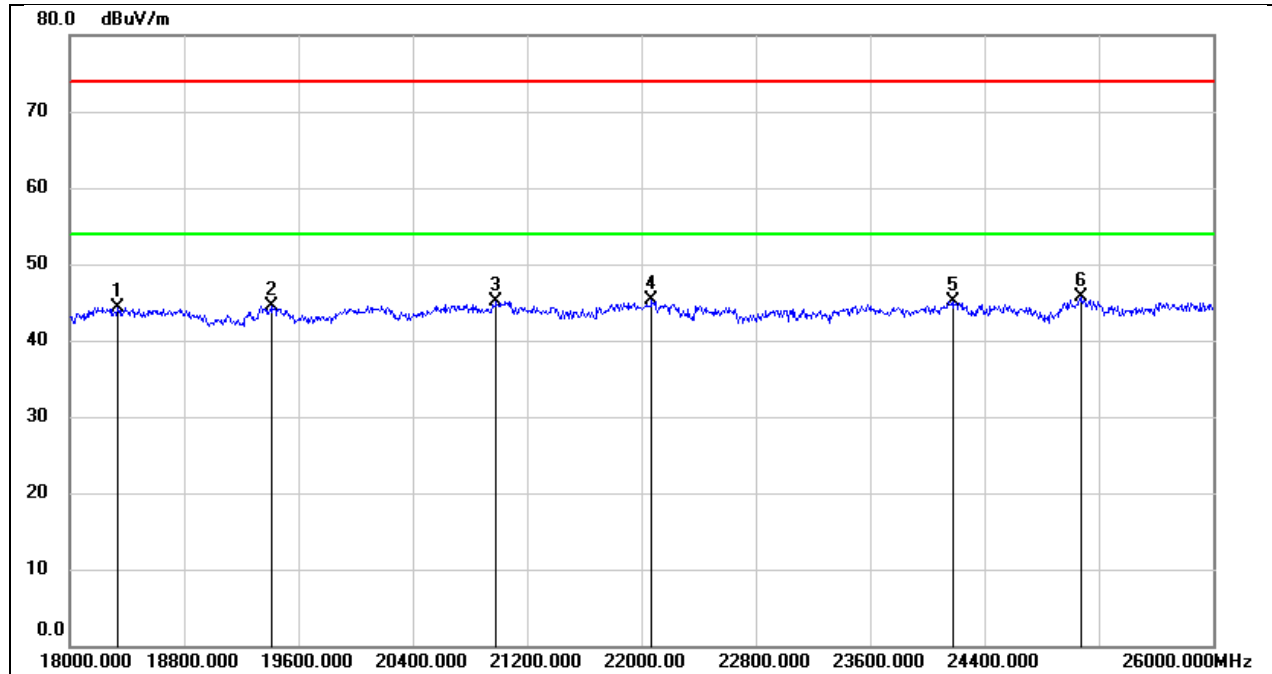
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5431	64.90	-62.08	2.82	32.91	-30.09	peak
2	0.8296	62.44	-62.17	0.27	29.23	-28.96	peak
3	1.4107	60.64	-62.09	-1.45	24.61	-26.06	peak
4	2.8277	59.07	-61.62	-2.55	29.54	-32.09	peak
5	6.6280	56.40	-61.26	-4.86	29.54	-34.40	peak
6	15.8940	55.05	-60.98	-5.93	29.54	-35.47	peak

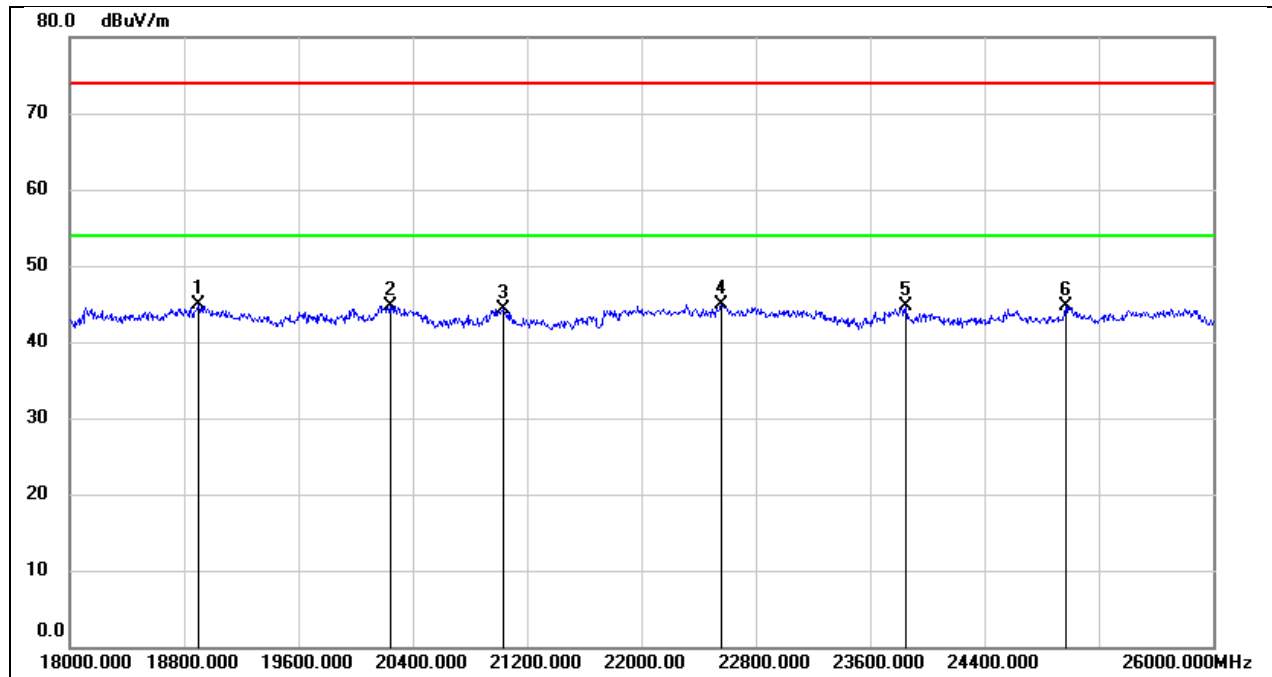
8.4. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18336.000	49.76	-5.46	44.30	74.00	-29.70	peak
2	19416.000	50.03	-5.55	44.48	74.00	-29.52	peak
3	20984.000	50.06	-4.89	45.17	74.00	-28.83	peak
4	22072.000	49.77	-4.41	45.36	74.00	-28.64	peak
5	24184.000	47.93	-2.80	45.13	74.00	-28.87	peak
6	25072.000	47.67	-1.97	45.70	74.00	-28.30	peak

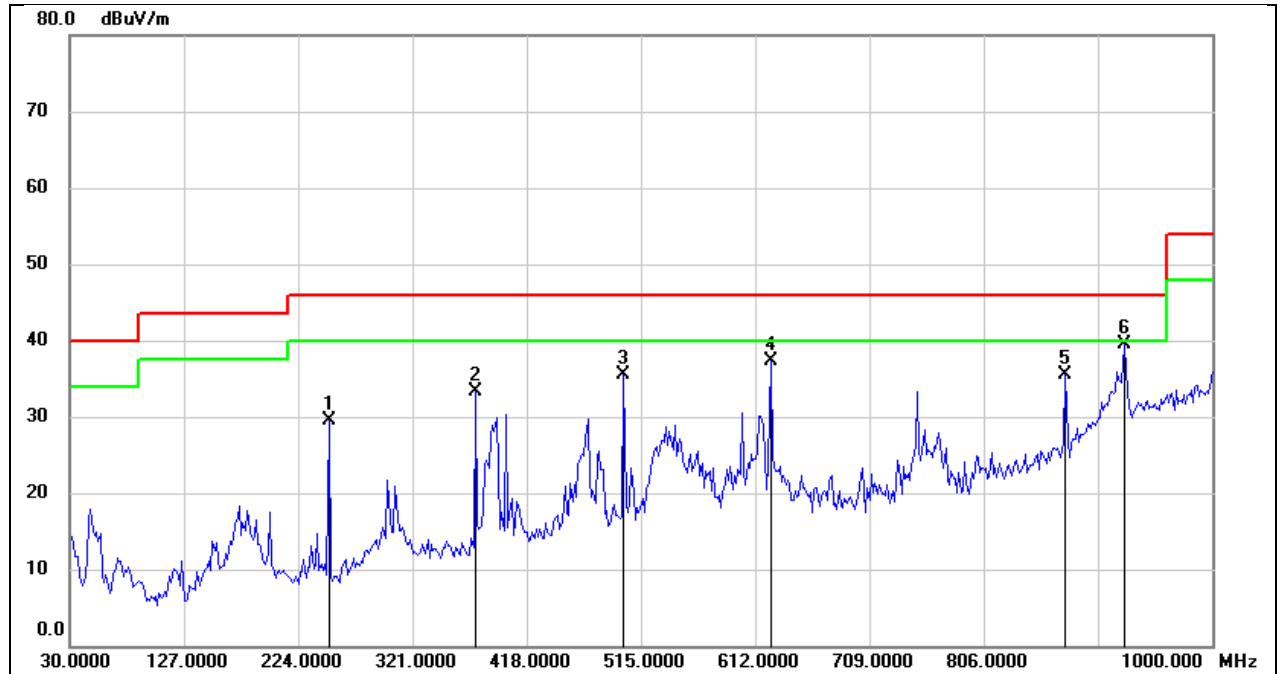
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18904.000	50.17	-5.30	44.87	74.00	-29.13	peak
2	20240.000	50.32	-5.61	44.71	74.00	-29.29	peak
3	21032.000	49.21	-4.87	44.34	74.00	-29.66	peak
4	22560.000	48.71	-3.83	44.88	74.00	-29.12	peak
5	23848.000	47.68	-3.03	44.65	74.00	-29.35	peak
6	24968.000	46.76	-2.14	44.62	74.00	-29.38	peak

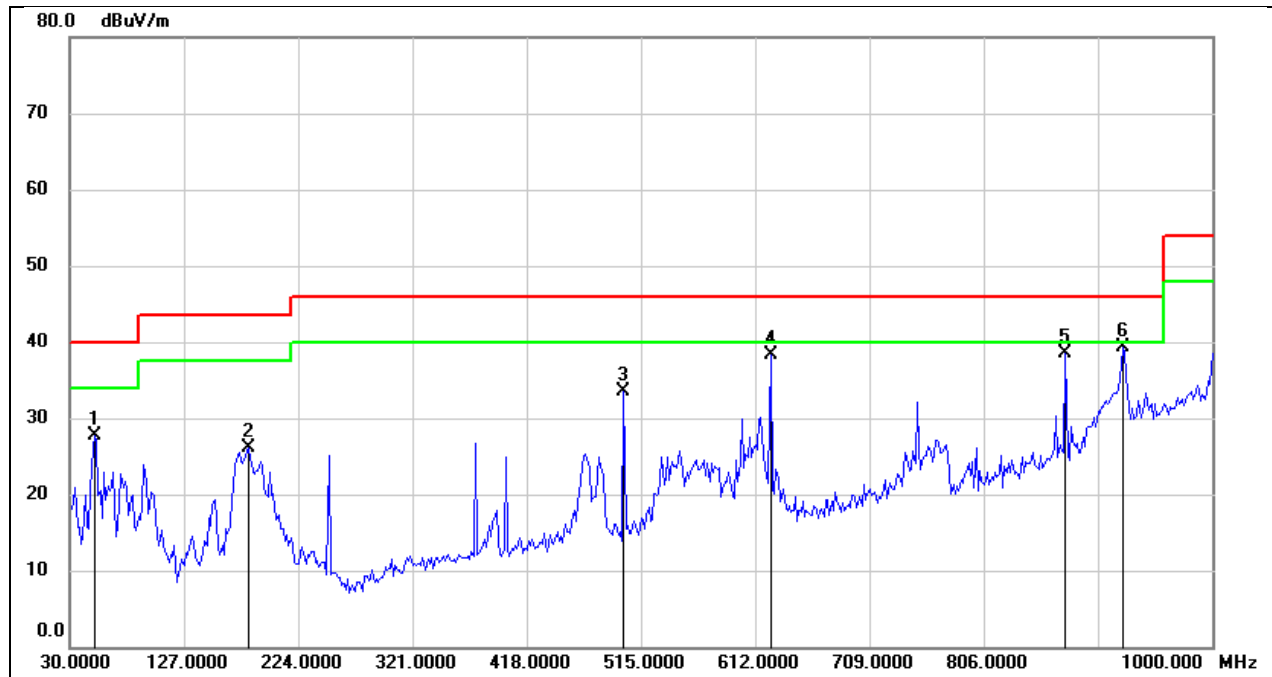
8.5. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	249.8667	44.13	-14.60	29.53	46.00	-16.47	peak
2	374.3500	42.70	-9.49	33.21	46.00	-12.79	peak
3	500.4500	42.80	-7.24	35.56	46.00	-10.44	peak
4	624.9333	42.82	-5.46	37.36	46.00	-8.64	peak
5	875.5167	36.40	-0.89	35.51	46.00	-10.49	peak
6	925.6333	40.10	-0.53	39.57	46.00	-6.43	peak

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	51.0167	42.92	-15.27	27.65	40.00	-12.35	peak
2	181.9667	38.02	-11.97	26.05	43.50	-17.45	peak
3	500.4500	40.69	-7.24	33.45	46.00	-12.55	peak
4	624.9333	43.82	-5.46	38.36	46.00	-7.64	peak
5	875.5167	39.30	-0.89	38.41	46.00	-7.59	peak
6	924.0167	39.89	-0.51	39.38	46.00	-6.62	peak

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 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.

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to FCC 47 CFR §15.207 (a).

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

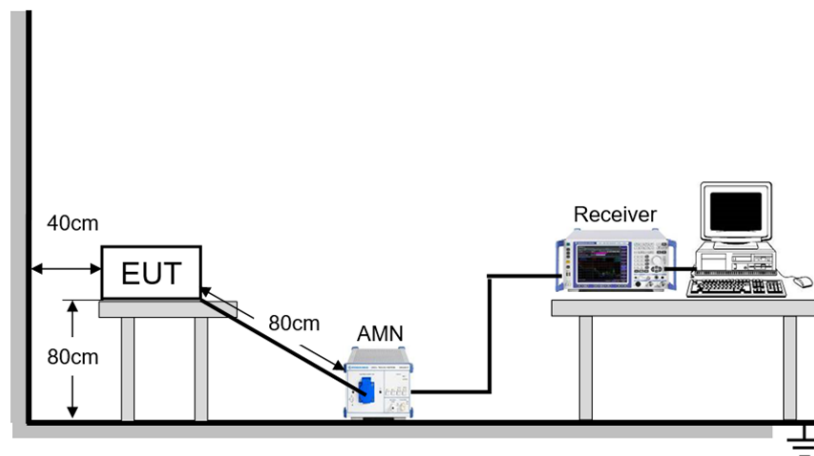
*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2020. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

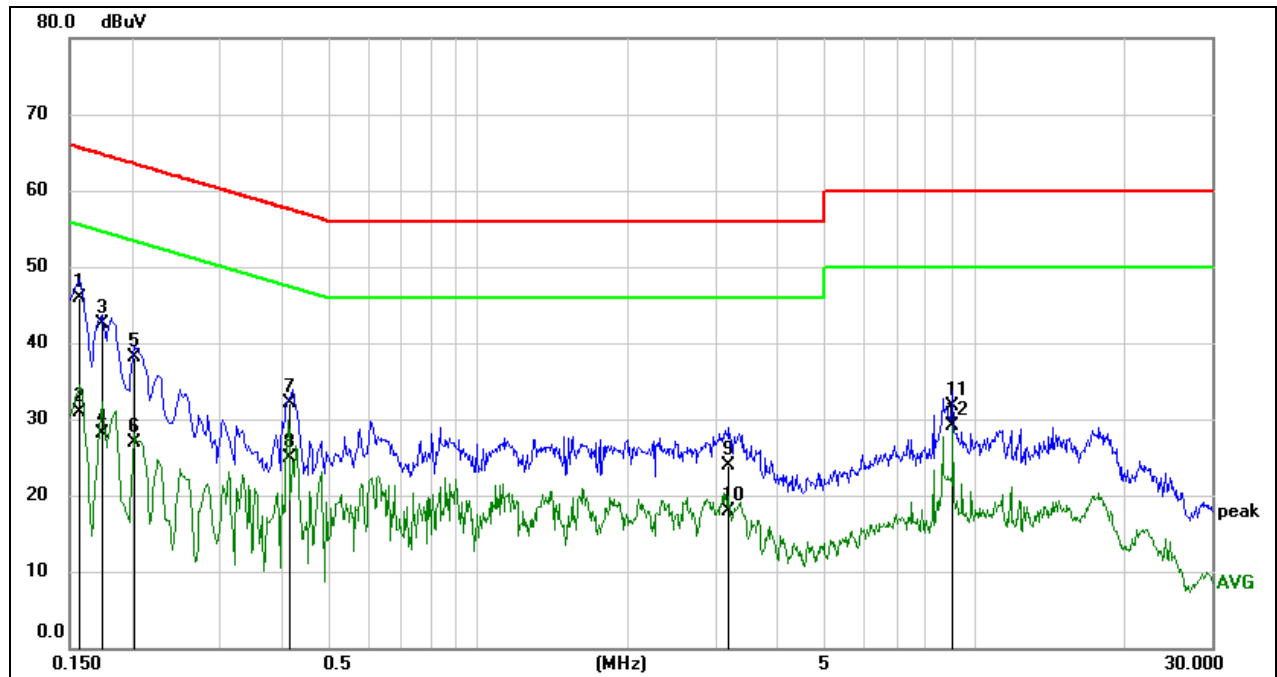
Temperature	24.4℃	Relative Humidity	54%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	May 20, 2026	Test By	Fanny Huang
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TEST RESULTS

Test Mode:	802.11b	Frequency(MHz):	2412
Line:	Line		



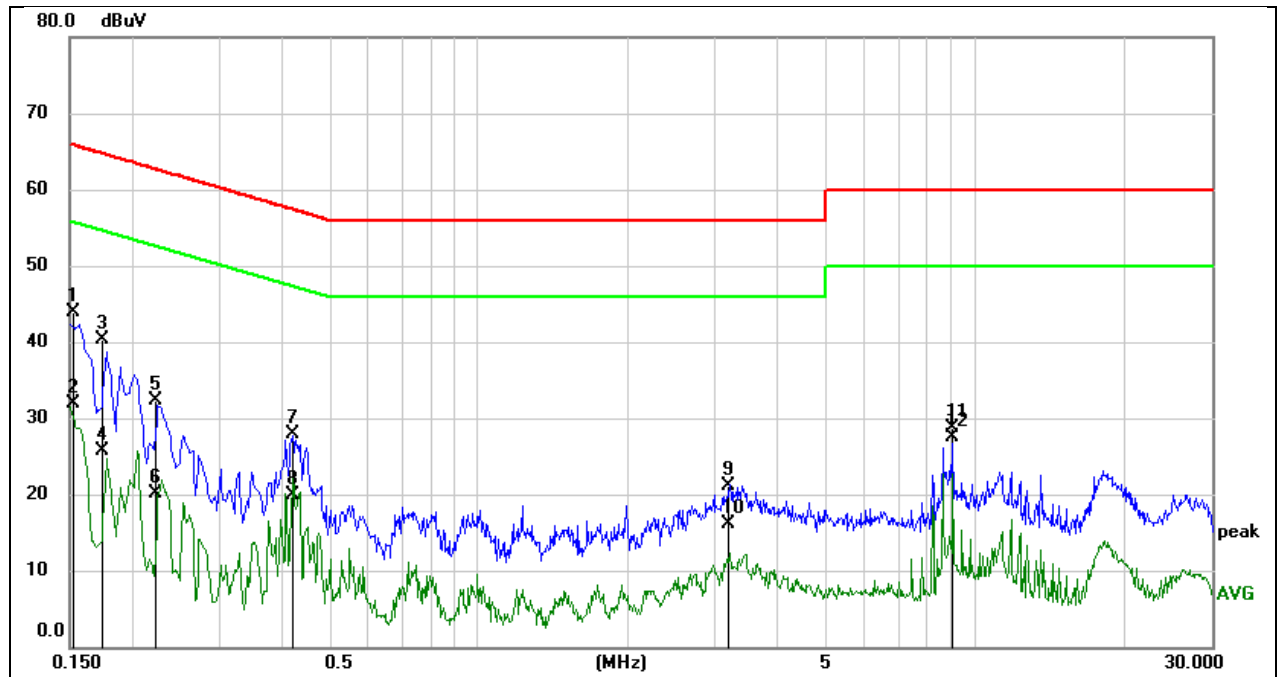
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1576	36.00	9.81	45.81	65.59	-19.78	QP
2	0.1576	21.11	9.81	30.92	55.59	-24.67	AVG
3	0.1746	32.68	9.74	42.42	64.74	-22.32	QP
4	0.1746	18.34	9.74	28.08	54.74	-26.66	AVG
5	0.2037	28.53	9.64	38.17	63.46	-25.29	QP
6	0.2037	17.36	9.64	27.00	53.46	-26.46	AVG
7	0.4177	22.41	9.71	32.12	57.49	-25.37	QP
8	0.4177	15.16	9.71	24.87	47.49	-22.62	AVG
9	3.1869	14.13	9.79	23.92	56.00	-32.08	QP
10	3.1869	8.20	9.79	17.99	46.00	-28.01	AVG
11	9.0232	22.00	9.70	31.70	60.00	-28.30	QP
12	9.0232	19.49	9.70	29.19	50.00	-20.81	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

Test Mode:	802.11b	Frequency(MHz):	2412
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1527	34.28	9.54	43.82	65.85	-22.03	QP
2	0.1527	22.39	9.54	31.93	55.85	-23.92	AVG
3	0.1734	30.80	9.54	40.34	64.80	-24.46	QP
4	0.1734	16.13	9.54	25.67	54.80	-29.13	AVG
5	0.2231	22.85	9.55	32.40	62.70	-30.30	QP
6	0.2231	10.64	9.55	20.19	52.70	-32.51	AVG
7	0.4205	18.21	9.61	27.82	57.44	-29.62	QP
8	0.4205	10.23	9.61	19.84	47.44	-27.60	AVG
9	3.1800	11.54	9.65	21.19	56.00	-34.81	QP
10	3.1800	6.47	9.65	16.12	46.00	-29.88	AVG
11	9.0189	19.03	9.76	28.79	60.00	-31.21	QP
12	9.0189	17.73	9.76	27.49	50.00	-22.51	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

11. TEST DATA

Appendix A:Duty Cycle

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
b	8.42	8.515	0.9888	98.88	0.05	N/A	0.01
g	1.396	1.498	0.9319	93.19	0.31	0.72	1
n20	0.676	0.778	0.8689	86.89	0.61	1.48	2

Note:

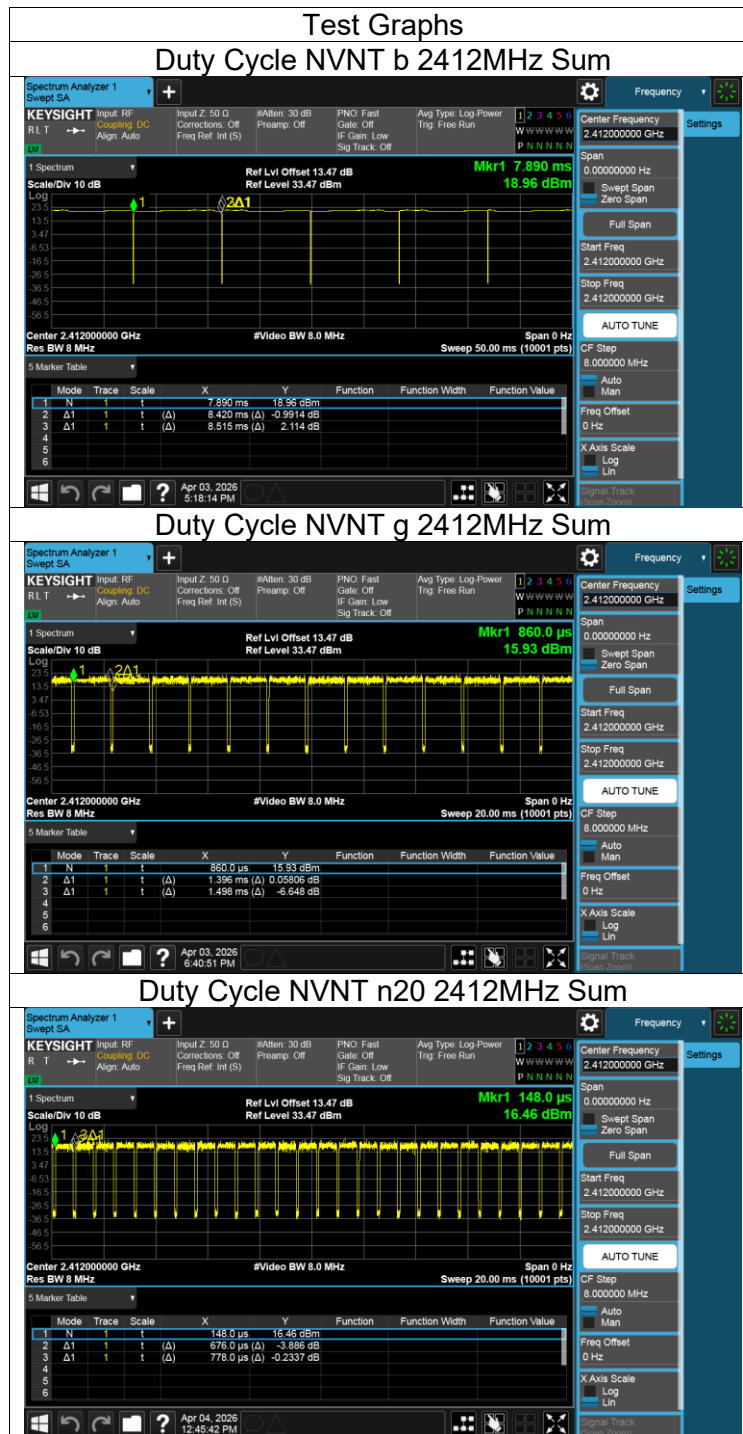
Duty Cycle Correction Factor= $10\log(1/x)$.

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW $\leq$ RBW/100 (i.e., 10 kHz) but not less than 10 Hz.



Appendix B:Maximum Conducted Output Power

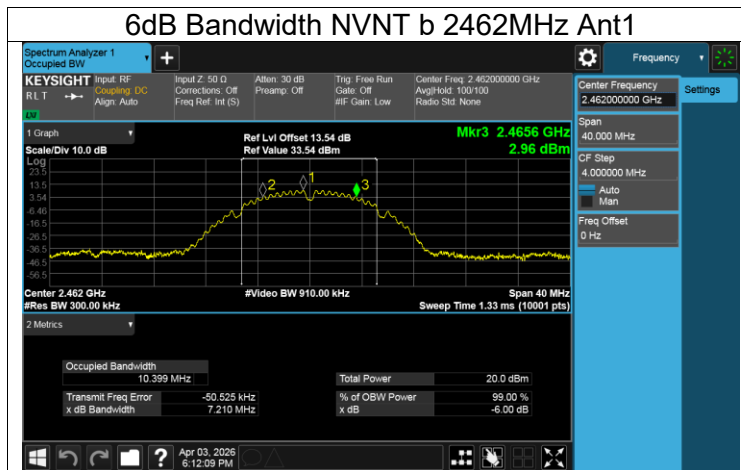
Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	16.93	30	Pass
b	2412	Ant2	16.54	30	Pass
b	2412	Sum	19.75	30	Pass
b	2437	Ant1	16.91	30	Pass
b	2437	Ant2	16.58	30	Pass
b	2437	Sum	19.76	30	Pass
b	2462	Ant1	16.53	30	Pass
b	2462	Ant2	16.45	30	Pass
b	2462	Sum	19.50	30	Pass
g	2412	Ant1	12.00	30	Pass
g	2412	Ant2	11.95	30	Pass
g	2412	Sum	14.99	30	Pass
g	2437	Ant1	11.95	30	Pass
g	2437	Ant2	11.65	30	Pass
g	2437	Sum	14.81	30	Pass
g	2462	Ant1	11.53	30	Pass
g	2462	Ant2	11.75	30	Pass
g	2462	Sum	14.65	30	Pass
n20	2412	Ant1	14.01	30	Pass
n20	2412	Ant2	14.27	30	Pass
n20	2412	Sum	17.15	30	Pass
n20	2437	Ant1	13.58	30	Pass
n20	2437	Ant2	13.84	30	Pass
n20	2437	Sum	16.72	30	Pass
n20	2462	Ant1	13.18	30	Pass
n20	2462	Ant2	13.91	30	Pass
n20	2462	Sum	16.57	30	Pass

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

Appendix C:6dB Bandwidth

Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	7.217	≥ 0.5	Pass
b	2412	Ant2	7.620	≥ 0.5	Pass
b	2437	Ant1	7.214	≥ 0.5	Pass
b	2437	Ant2	7.226	≥ 0.5	Pass
b	2462	Ant1	7.210	≥ 0.5	Pass
b	2462	Ant2	7.601	≥ 0.5	Pass
g	2412	Ant1	16.263	≥ 0.5	Pass
g	2412	Ant2	16.317	≥ 0.5	Pass
g	2437	Ant1	16.21	≥ 0.5	Pass
g	2437	Ant2	16.175	≥ 0.5	Pass
g	2462	Ant1	15.987	≥ 0.5	Pass
g	2462	Ant2	16.154	≥ 0.5	Pass
n20	2412	Ant1	17.418	≥ 0.5	Pass
n20	2412	Ant2	17.531	≥ 0.5	Pass
n20	2437	Ant1	17.408	≥ 0.5	Pass
n20	2437	Ant2	17.502	≥ 0.5	Pass
n20	2462	Ant1	17.598	≥ 0.5	Pass
n20	2462	Ant2	17.708	≥ 0.5	Pass

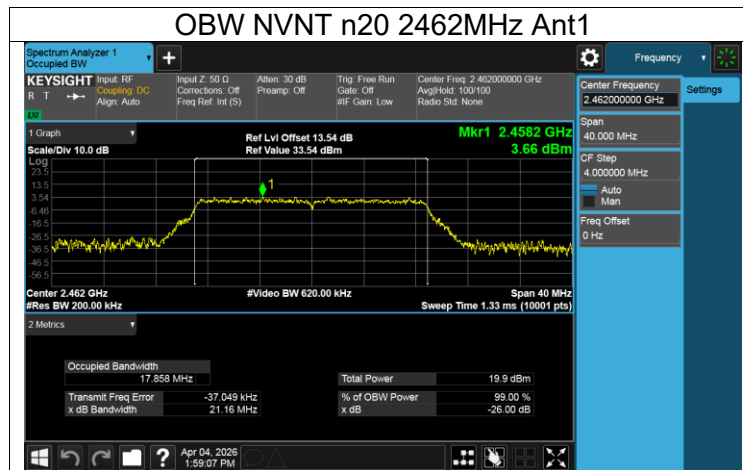


Note:

1. Only the worst data plots were reported to show setting parameter compliance with testing method/procedure.
2. RBW setting to 300kHz is used in 802.11b/g/n HT20 modes.

Appendix D:Occupied Channel Bandwidth

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
b	2412	Ant1	10.361
b	2412	Ant2	10.598
b	2437	Ant1	10.331
b	2437	Ant2	10.579
b	2462	Ant1	10.285
b	2462	Ant2	10.547
g	2412	Ant1	16.591
g	2412	Ant2	16.505
g	2437	Ant1	16.547
g	2437	Ant2	16.502
g	2462	Ant1	16.599
g	2462	Ant2	16.501
n20	2412	Ant1	17.691
n20	2412	Ant2	17.659
n20	2437	Ant1	17.686
n20	2437	Ant2	17.685
n20	2462	Ant1	17.858
n20	2462	Ant2	17.729



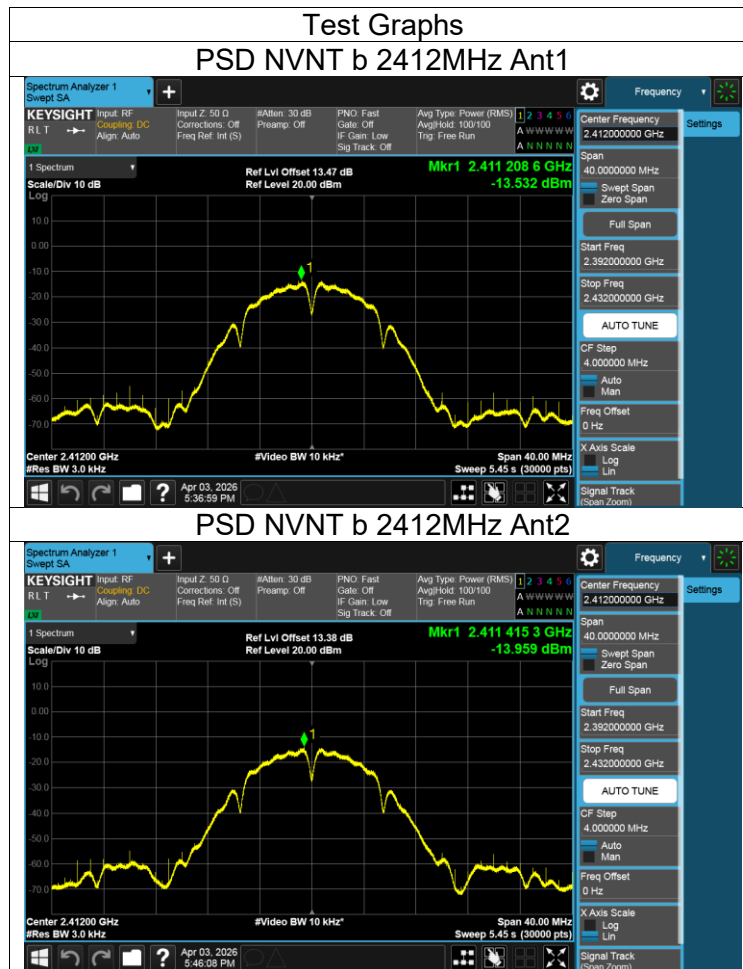
Note:

1. Only the worst data plots were reported to show setting parameter compliance with testing method/procedure.
2. RBW setting to 200kHz is used in 802.11b/g/n HT20 modes.

Appendix E:Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-13.53	0	-13.53	8	Pass
b	2412	Ant2	-13.96	0	-13.96	8	Pass
b	2412	Sum	-10.73	0	-10.73	8	Pass
b	2437	Ant1	-13.8	0	-13.8	8	Pass
b	2437	Ant2	-14.12	0	-14.12	8	Pass
b	2437	Sum	-10.95	0	-10.95	8	Pass
b	2462	Ant1	-14.35	0	-14.35	8	Pass
b	2462	Ant2	-14.15	0	-14.15	8	Pass
b	2462	Sum	-11.24	0	-11.24	8	Pass
g	2412	Ant1	-17.52	0.31	-17.21	8	Pass
g	2412	Ant2	-17.37	0.31	-17.06	8	Pass
g	2412	Sum	-14.43	0.31	-14.12	8	Pass
g	2437	Ant1	-17.95	0.31	-17.64	8	Pass
g	2437	Ant2	-17.46	0.31	-17.15	8	Pass
g	2437	Sum	-14.69	0.31	-14.38	8	Pass
g	2462	Ant1	-18.27	0.31	-17.96	8	Pass
g	2462	Ant2	-18.02	0.31	-17.71	8	Pass
g	2462	Sum	-15.13	0.31	-14.82	8	Pass
n20	2412	Ant1	-19.68	0.61	-19.07	8	Pass
n20	2412	Ant2	-19.42	0.61	-18.81	8	Pass
n20	2412	Sum	-16.54	0.61	-15.93	8	Pass
n20	2437	Ant1	-19.42	0.61	-18.81	8	Pass
n20	2437	Ant2	-19.51	0.61	-18.9	8	Pass
n20	2437	Sum	-16.45	0.61	-15.84	8	Pass
n20	2462	Ant1	-20.11	0.61	-19.5	8	Pass
n20	2462	Ant2	-19.14	0.61	-18.53	8	Pass
n20	2462	Sum	-16.59	0.61	-15.98	8	Pass

Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.



Note:

1. Only the worst data plots were reported to show setting parameter compliance with testing method/procedure.
2. For all modes, RBW setting to 3kHz is used on PSD measurement.
3. Span is set to 40MHz for 802.11b/g/n HT20 modes.

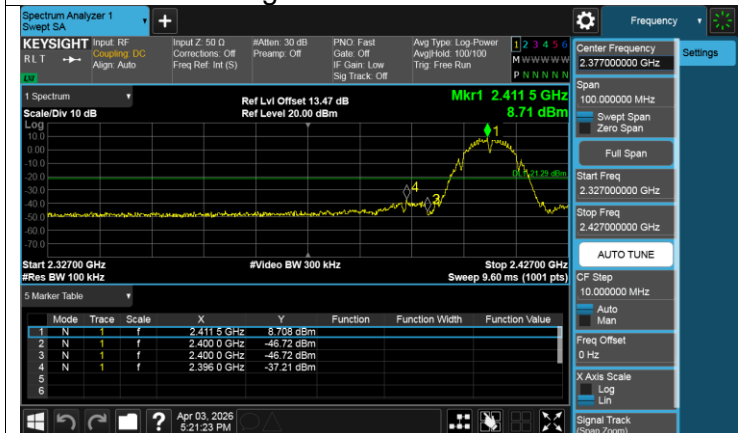
Appendix F:Band Edge

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-45.92	-30	Pass
b	2412	Ant2	-43.98	-30	Pass
b	2462	Ant1	-53.23	-30	Pass
b	2462	Ant2	-52.34	-30	Pass
g	2412	Ant1	-41.1	-30	Pass
g	2412	Ant2	-43.15	-30	Pass
g	2462	Ant1	-47.35	-30	Pass
g	2462	Ant2	-49.61	-30	Pass
n20	2412	Ant1	-41.54	-30	Pass
n20	2412	Ant2	-39.53	-30	Pass
n20	2462	Ant1	-52.36	-30	Pass
n20	2462	Ant2	-50.84	-30	Pass

Note: Max Value (dBc)= Max Value (Unwanted transmission outside 2400-2483.5 MHz) - Reference Value (Mark 1)

Test Graphs

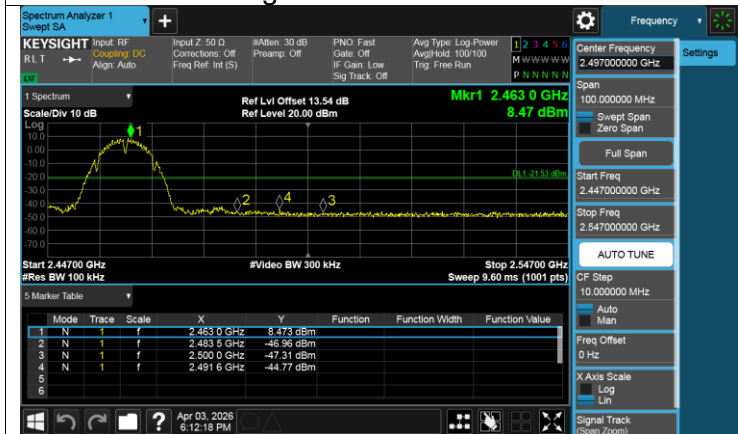
Band Edge NVNT b 2412MHz Ant1

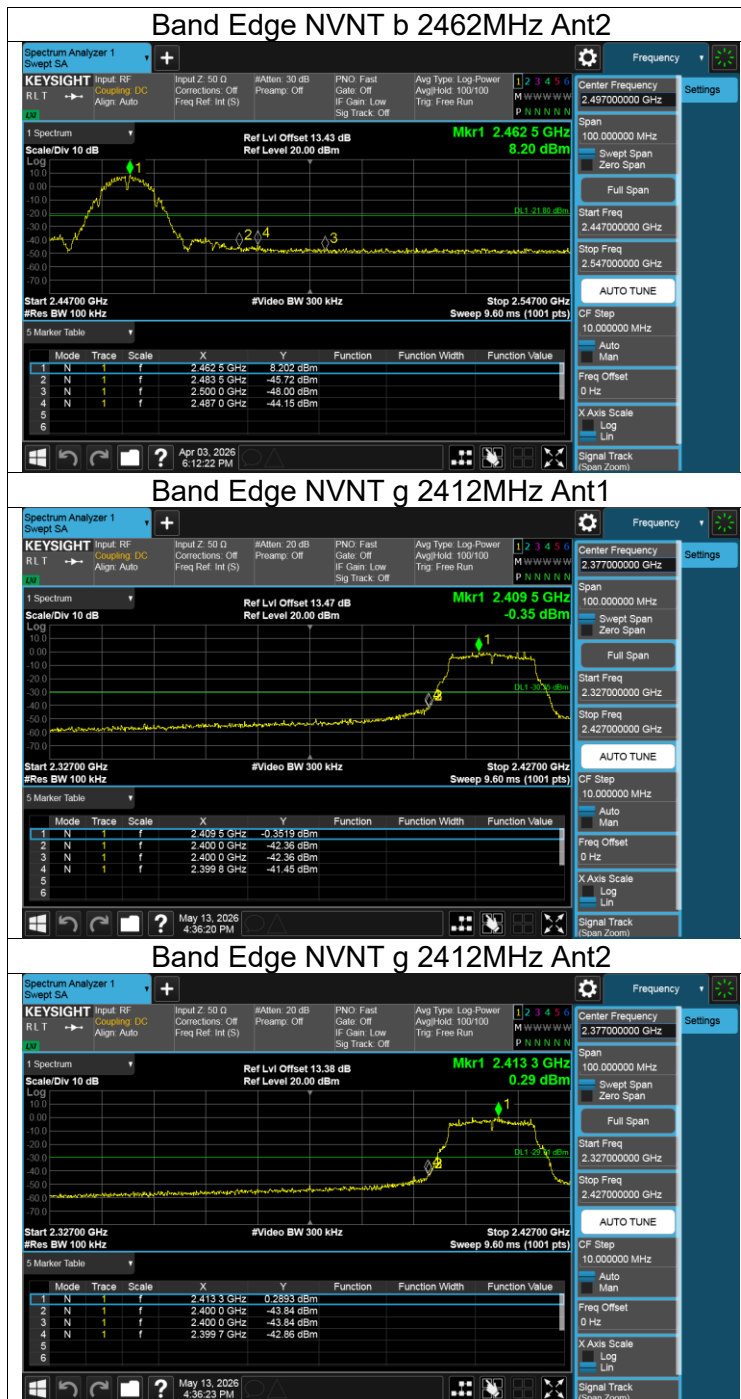


Band Edge NVNT b 2412MHz Ant2



Band Edge NVNT b 2462MHz Ant1





Band Edge NVNT g 2462MHz Ant1



Band Edge NVNT g 2462MHz Ant2



Band Edge NVNT n20 2412MHz Ant1



Band Edge NVNT n20 2412MHz Ant2



Band Edge NVNT n20 2462MHz Ant1



Band Edge NVNT n20 2462MHz Ant2



Appendix G:Conducted RF Spurious Emission

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-47.45	-30	Pass
b	2412	Ant2	-47.31	-30	Pass
b	2437	Ant1	-46.51	-30	Pass
b	2437	Ant2	-46.47	-30	Pass
b	2462	Ant1	-46.82	-30	Pass
b	2462	Ant2	-45.58	-30	Pass
g	2412	Ant1	-48.17	-30	Pass
g	2412	Ant2	-48.02	-30	Pass
g	2437	Ant1	-48.83	-30	Pass
g	2437	Ant2	-48.06	-30	Pass
g	2462	Ant1	-48.48	-30	Pass
g	2462	Ant2	-49.3	-30	Pass
n20	2412	Ant1	-51.31	-30	Pass
n20	2412	Ant2	-51.32	-30	Pass
n20	2437	Ant1	-50.79	-30	Pass
n20	2437	Ant2	-50.51	-30	Pass
n20	2462	Ant1	-49.28	-30	Pass
n20	2462	Ant2	-50.43	-30	Pass

Note: Max Value (dBc)= Max Value (Unwanted transmission except fundamental signal) - Reference Value (Mark 1)

