

FCC 47 CFR PART 15 SUBPART E

TEST REPORT

For

Industrial Router

MODEL NUMBER: VT-M2M-G405

REPORT NUMBER: 4792114922-1-RF-4

ISSUE DATE: May 20, 2026

FCC ID: 2BEA6G405

Prepared for

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Prepared by

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The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.

Revision History

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

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
ON TIME AND DUTY CYCLE	ANSI C63.10-2020, Clause 12.2	None; for reporting purposes only.	Pass
6dB AND 26dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH	KDB 789033 D02 v02r01 Section C.1	FCC Part 15.407 (a)/(e),	Pass
CONDUCTED OUTPUT POWER	KDB 789033 D02 v02r01 Section E.3.a (Method PM)/KDB 789033 D02 v02r01 Section E.3.a (Method PM) Section E.2.d (Method SA-2)	FCC 15.407 (a)	Pass
POWER SPECTRAL DENSITY	KDB 789033 D02 v02r01 Section F	FCC 15.407 (a)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2020, Clause 6.2.	FCC 15.207	Pass
Radiated Emissions and Band Edge Measurement	KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6	FCC 15.407 (b) FCC 15.209 FCC 15.205	Pass
FREQUENCY STABILITY	ANSI C63.10-2020, Clause 6.8	FCC 15.407 (g)	Pass
Antenna Requirement	N/A	FCC 47 CFR Part 15.203/	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 E> 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

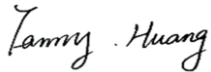
Company Name: Vantron Technology, Inc.
Address: 48434 Milmont Drive Fremont, CA 94538-7324, USA

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

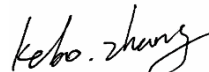
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART E	Pass

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Checked By:



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Approved By:



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2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC 47 CFR PART 15 SUBPART E, ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024, CFR 47 FCC Part 2, KDB 789033 D02 v02r01, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01.

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 40 GHz)	5.65 dB (1 GHz ~ 18 GHz)
	4.73 dB (18 GHz ~ 26 GHz)
	5.37 dB (26 GHz ~ 40 GHz)
Duty Cycle	±0.028%
Emission Bandwidth and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.766 dB
Maximum Power Spectral Density Level	±1.22 dB
Frequency Stability	±2.76%
Dynamic Frequency Selection	±1.01 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:	5180 MHz to 5240 MHz 5745 MHz to 5825 MHz
DFS Operational mode:	Master
Type of Modulation:	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK)
Radio Technology:	IEEE802.11a 20/n HT20/n HT40/ac VHT20/ac VHT40/ac VHT80
Normal Test Voltage:	AC 120V, 60Hz

5.2. CHANNEL LIST

UNII-1 (For Bandwidth=20MHz)		UNII-1 (For Bandwidth=40MHz)		UNII-1 (For Bandwidth=80MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

UNII-3 (For Bandwidth=20MHz)		UNII-3 (For Bandwidth=40MHz)		UNII-3 (For Bandwidth=80MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

5.3. MAXIMUM POWER

UNII-1 BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5150 ~ 5250	18.01
n HT20		17.08
n HT40		15.41
ac VHT80		13.92

UNII-3 BAND(FCC&ISED)

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5725 ~ 5850	18.51
n HT20		18.64
n HT40		19.00
ac VHT80		18.09

Note:

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

5.4. TEST CHANNEL CONFIGURATION

UNII-1 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11n HT20	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11n HT40	CH 38(Low Channel), CH 46(High Channel)	5190 MHz, 5230 MHz
802.11ac VHT80	CH 42(Low Channel)	5210 MHz

UNII-3 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11n HT20	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11n HT40	CH 151(Low Channel), CH 159(High Channel)	5755MHz, 5795MHz
802.11ac VHT80	CH 155(Low Channel)	5775 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter	
Test Software	CMD

Mode	Freq(MHz)	Tx power setting
		ANT1 & ANT2
802.11a	5180	15
	5200	15
	5240	15
	5745	15
	5785	15
	5825	15
802.11n 20M	5180	14
	5200	14
	5240	14
	5745	15
	5785	15
	5825	15
802.11n 40M	5190	12
	5230	12
	5755	15
	5795	15
802.11ac 80M	5210	11
	5775	15

5.6. WORSE 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 declared by the customer:

802.11a 20 mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11n HT40 mode: MCS0
802.11ac VHT20 mode: MCS0
802.11ac VHT40 mode: MCS0
802.11ac VHT80 mode: MCS0

All modes support MIMO mode.

802.11ac VHT20 and VHT40 mode are different from 802.11nHT20 and HT40 only in control messages, so for these 4 modes, only 802.11n HT20 and 802.11n HT40 worst case power modes radiated emission test data are recorded in the report .

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), Spartial 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 worst-case power and PSD modes were recorded in the report.

Worst case mode:

Worst Power and PSD Mode- UNII-1: 802.11a 20

Worst Power Mode- UNII-3: 802.11n HT40

Worst PSD Mode- UNII-3: 802.11a 20

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna No.	Frequency Band	Antenna Type	Max Antenna Gain (dBi)
1	5150-5850	Monopole Antenna	4.03
2	5150-5850	Monopole Antenna	4.03

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= $G_{ANT} + \text{Array Gain} = 4.03 \text{ dBi}$

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= $G_{ANT} + \text{Array Gain} = 7.04 \text{ dBi}$

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

N_{ANT} : number of transmit antennas

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

IEE Std. 802.11	Transmit and Receive Mode	Description
802.11a	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
802.11ac VHT20	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
802.11ac VHT40	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
802.11ac VHT80	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
1. 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	/

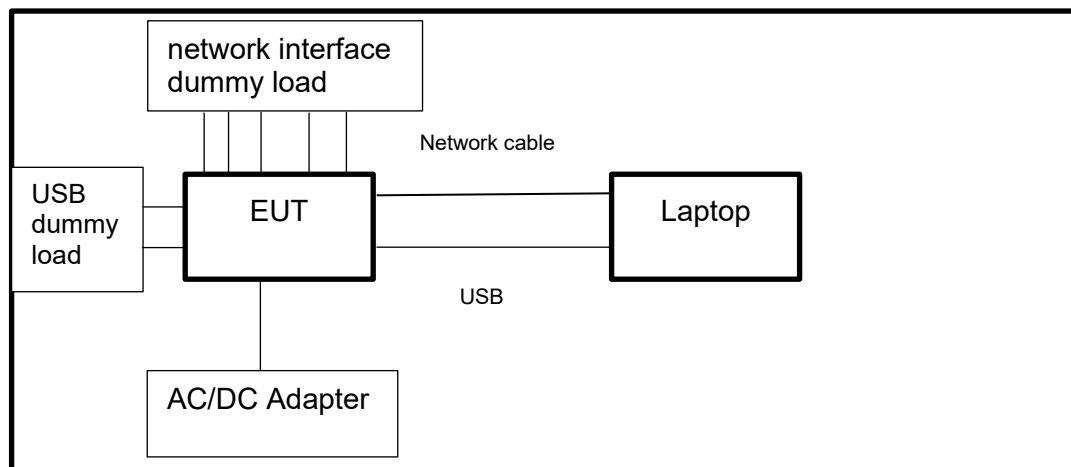
ACCESSORIES

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	WHKX10-5850-6500-1800-40SS	4	Sep.12, 2025	Sep.11, 2026
Band Reject Filter	Wainwright	WRCJV12-5695-5725-	4	Sep.12, 2025	Sep.11, 2026

		5850-5880-40SS			
Band Reject Filter	Wainwright	WRCJV20-5120-5150-5350-5380-60SS	2	Sep.12, 2025	Sep.11, 2026
Band Reject Filter	Wainwright	WRCJV20-5440-5470-5725-5755-60SS	1	Sep.12, 2025	Sep.11, 2026
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. ON TIME AND DUTY CYCLE

LIMITS

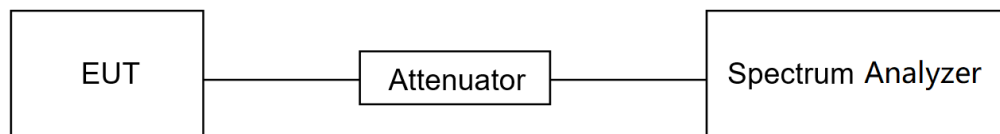
None; for reporting purposes only.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW $\geq$ EBW if possible; otherwise, set RBW to the largest available value. Set VBW $\geq$ RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

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 4, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix A

7.2. 6DB AND 26DB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

FCC 47 CFR Part15 Subpart E		
Test Item	Limit	Frequency Range (MHz)
26 dB Emission Bandwidth	For reporting purposes only.	5150 ~ 5250
26 dB Emission Bandwidth	For reporting purposes only.	5250 ~ 5350
26 dB Emission Bandwidth	For reporting purposes only.	5470 ~ 5725
6 dB Emission Bandwidth	The minimum 6 dB emission bandwidth shall be 500 kHz.	5725 ~ 5850
99 % Occupied Bandwidth	For reporting purposes only.	5150 ~ 5825 (For ISSED)

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth; section II.D. for 99 % Occupied Bandwidth.

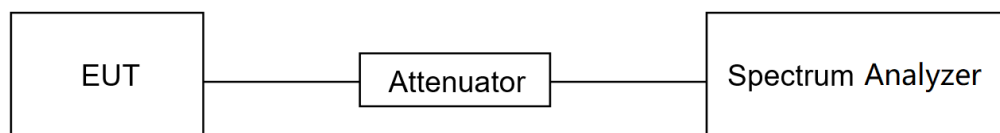
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Emission Bandwidth: RBW=100 kHz For 26 dB Emission bandwidth: approximately 1 % of the EBW. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW.
VBW	For 6 dB Bandwidth: $\geq 3 \times \text{RBW}$ For 26 dB Bandwidth: $> 3 \times \text{RBW}$ For 99 % Bandwidth: $> 3 \times \text{RBW}$
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 6/26 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 4, 2026	Test By	Walker Yuan
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TEST RESULTS

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

7.3. CONDUCTED OUTPUT POWER

LIMITS

FCC 47 CFR Part15 Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm) ☒ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☐ Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

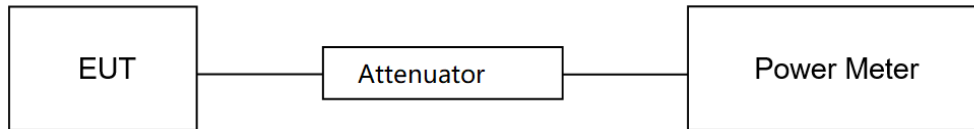
TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

Method PM (Measurement using an RF average power meter):

- (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
 - a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
 - b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
 - c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
- (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- (iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25 %).

Note: Method SA-2 was used for straddle channel output power test, and Method PM was used for testing rest channels

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 4, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.4. POWER SPECTRAL DENSITY

LIMITS

FCC 47 CFR Part15 Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☒ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☐ Client Devices: 11 dBm/MHz	5150 ~ 5250
	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	5725 ~ 5850

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi.

If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

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

For U-NII-1, U-NII-2A and U-NII-2C band:

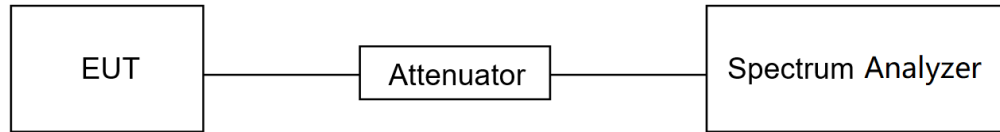
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1 MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Average
Sweep time	Auto

For U-NII-3:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Average
Sweep time	Auto

Allow trace to fully stabilize and use the peak search function on the instrument to find the peak of the spectrum and record its value.

Add $10 \log (1/x)$, where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

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 4, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix F

7.5. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -40 °C ~ 85 °C (declared by customer).
2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.
3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

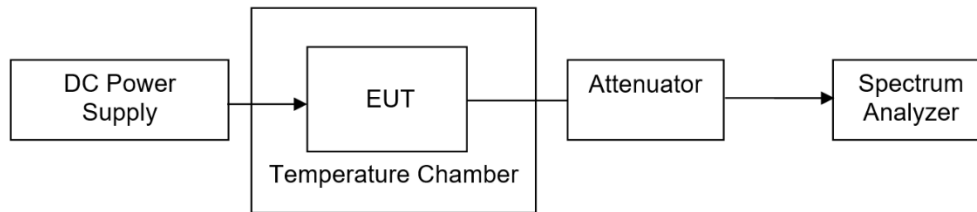
Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized.
5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST ENVIRONMENT

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	20 % ~ 75 %	/
Atmospheric Pressure	100 kPa ~ 102 kPa	/
Temperature	T_N (Normal Temperature): 22.5 °C	T_L (Low Temperature): -40 °C
		T_H (High Temperature): 85 °C
Supply Voltage	V_N (Normal Voltage): AC 120 V, 60 Hz	V_L (Low Voltage): AC 102 V
		V_H (High Voltage): AC 138 V

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 4, 2026	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix G

8. RADIATED TEST RESULTS

LIMITS

Refer to FCC 47 CFR §15.205, §15.209 and §15.407 (b).

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

Limits of unwanted/undesirable emission out of the restricted bands refer to FCC 47 CFR §15.407 (b) and ISSED RSS-247 7.3.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (MHz)	EIRP Limit	Field Strength Limit (dBuV/m) at 3 m
5150~5250 MHz	PK: -27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz		
5470~5725 MHz		
5725~5850 MHz	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4
Note: *1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

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.

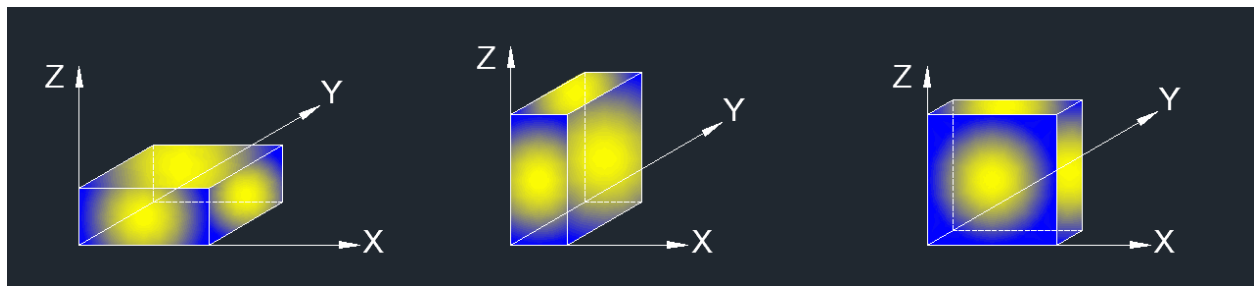
Above 1 GHz

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 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.G.3 ~ II.G.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 7.1. 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 7.1.
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 ~ 7 GHz):

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 7.1.
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. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27 dBm/MHz (68.2 dBuV/m) limit.
9. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (7 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/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
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. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27 dBm/MHz (68.2 dBuV/m) limit.
9. All modes have been tested, but only the worst data was recorded in the report.

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

Note:

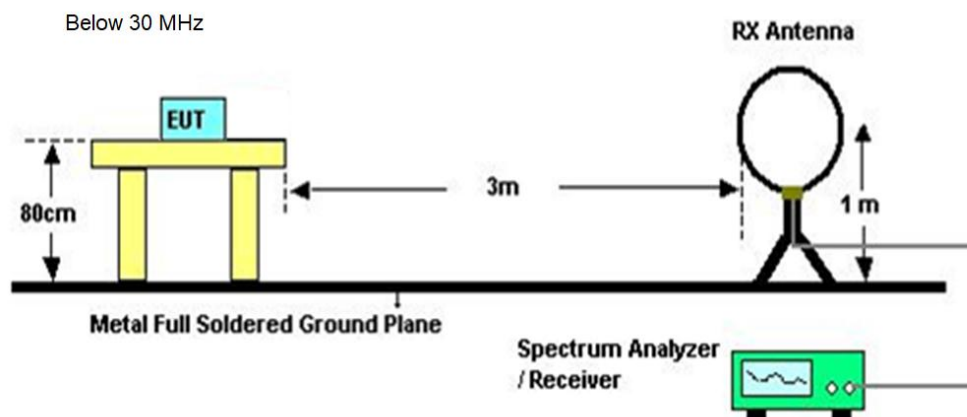
1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (26 GHz ~ 40 GHz):

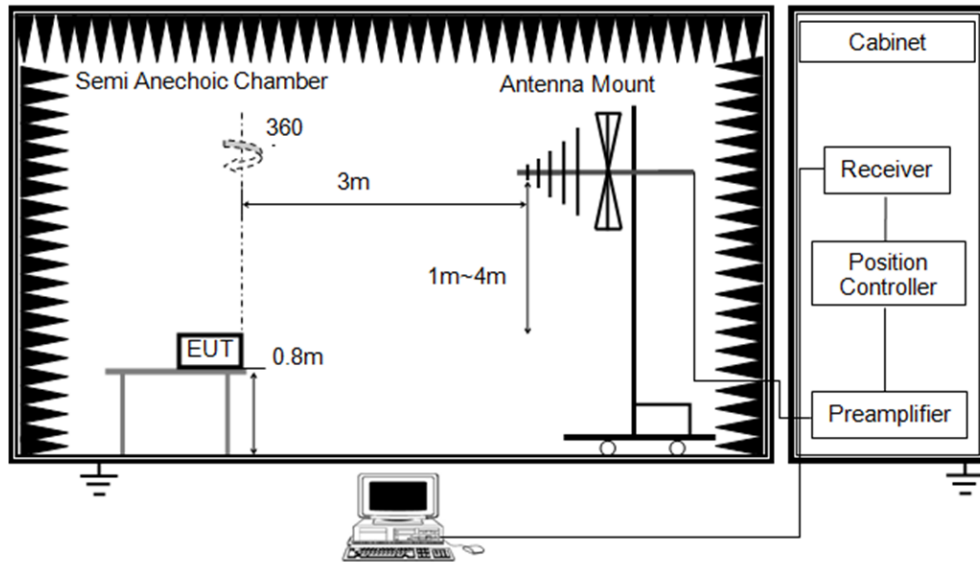
Note:

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.

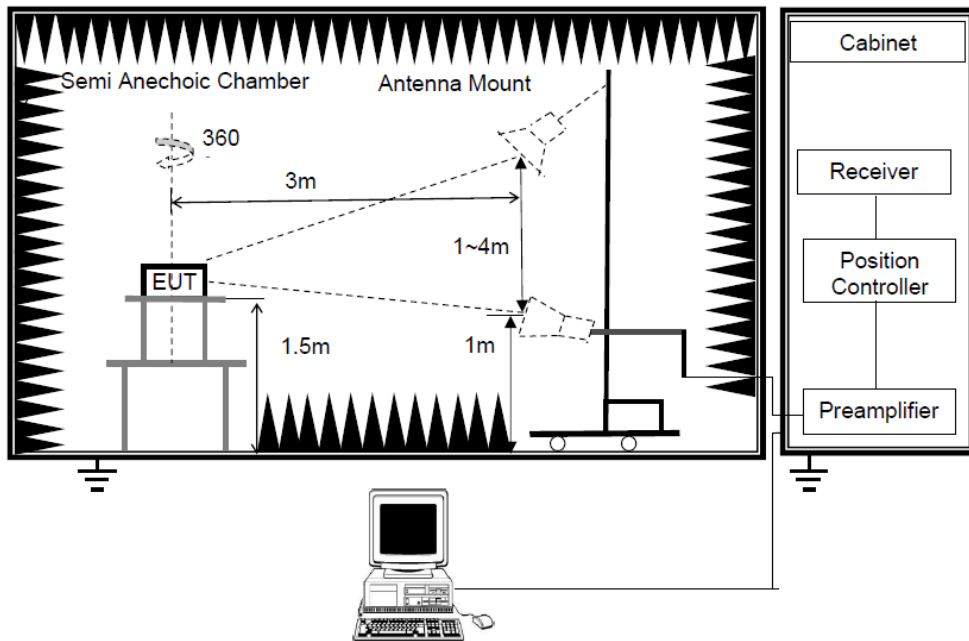
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	22.1℃	Relative Humidity	49.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

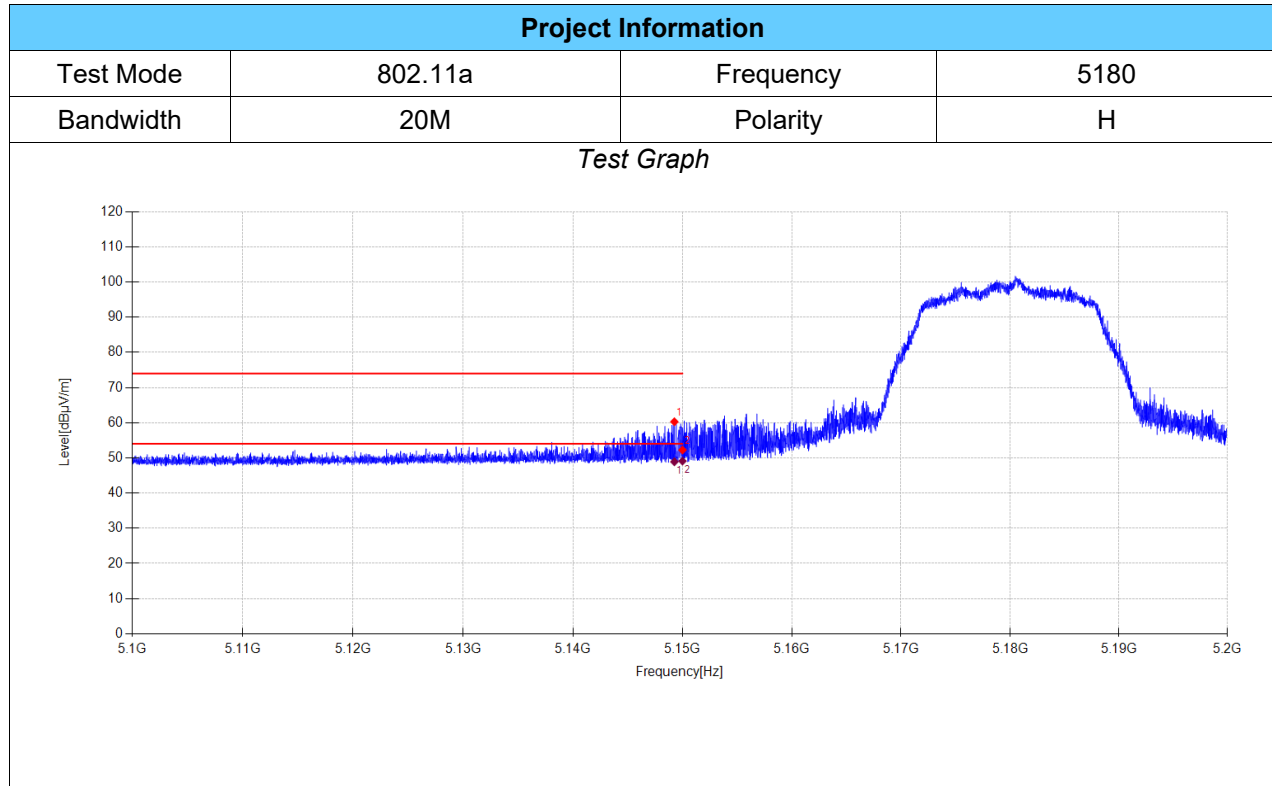
TEST DATE / ENGINEER

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

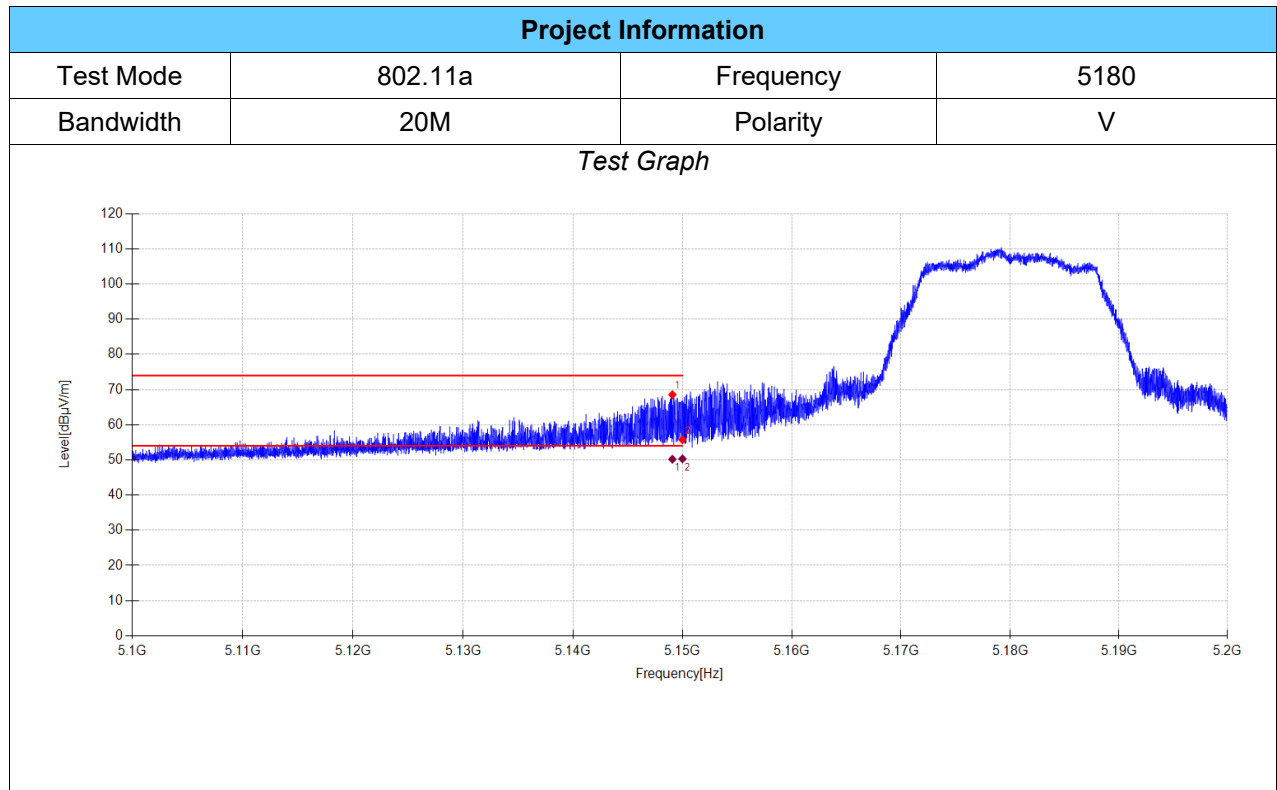
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5149.260	53.23	60.27	7.04	74.00	13.73	PK	Horizontal	PASS
2	5150.000	45.20	52.25	7.05	74.00	21.75	PK	Horizontal	PASS

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	5149.260	7.04	41.86	48.90	54.00	5.10	Horizontal	PASS
2	5150.000	7.05	42.05	49.10	54.00	4.90	Horizontal	PASS

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

TX Radiated Test Result

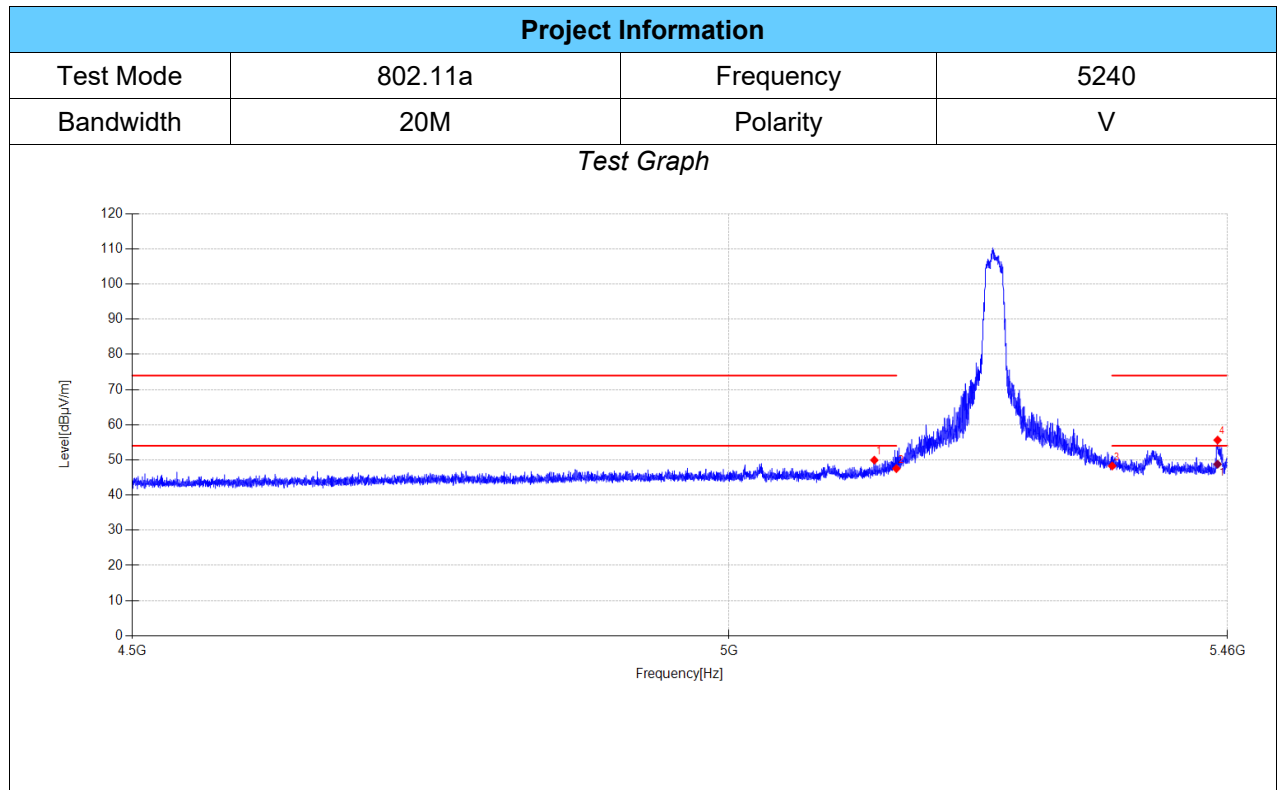


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5149.080	61.50	68.54	7.04	74.00	5.46	PK	Vertical	PASS
2	5150.000	48.69	55.74	7.05	74.00	18.26	PK	Vertical	PASS

AVG Data List								
NO.	Frequency [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	5149.080	7.04	43.15	50.19	54.00	3.81	Vertical	PASS
2	5150.000	7.05	43.26	50.31	54.00	3.69	Vertical	PASS

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

TX Radiated Test Result

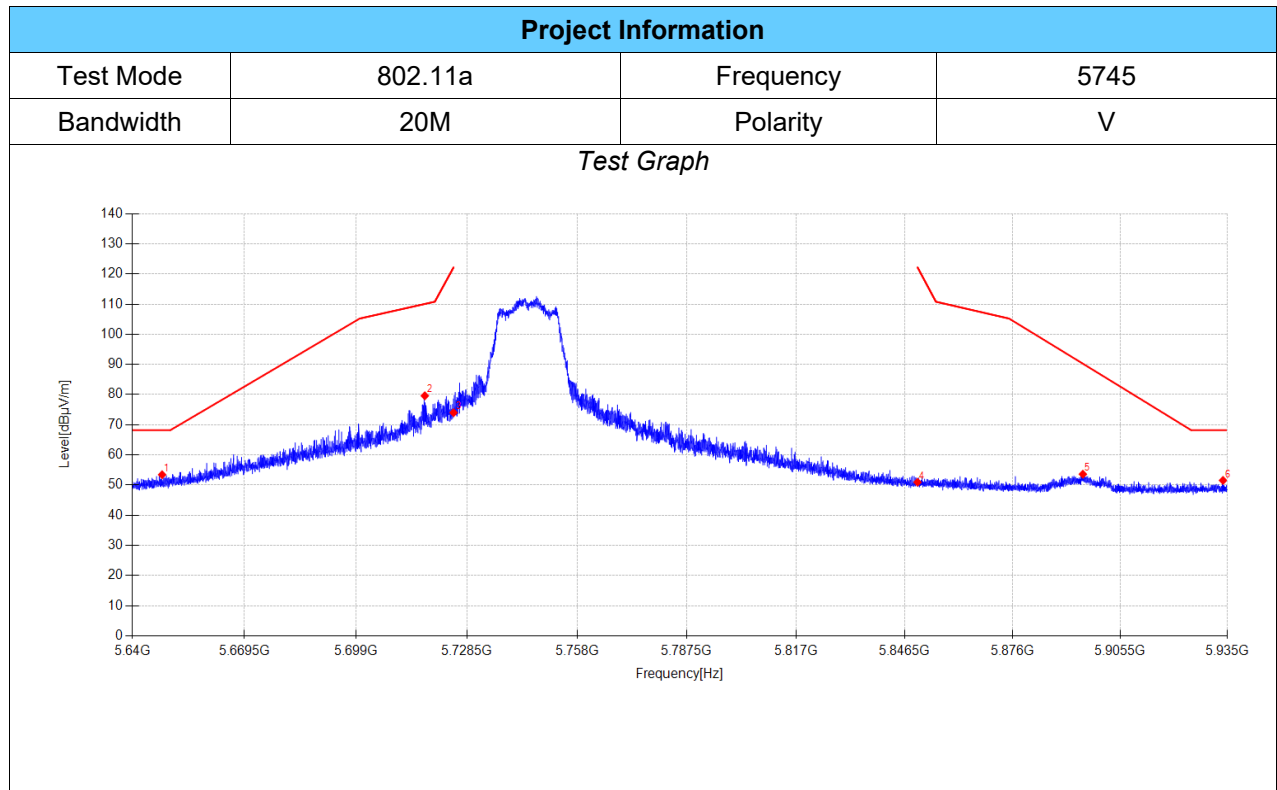


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5130.048	42.93	49.93	7.00	74.00	24.07	PK	Vertical	PASS
2	5150.000	40.47	47.53	7.06	74.00	26.47	PK	Vertical	PASS
3	5350.000	40.88	48.27	7.39	74.00	25.73	PK	Vertical	PASS
4	5450.592	48.03	55.63	7.60	74.00	18.37	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]	Pol	Verdict
1	5450.592	7.60	41.17	48.77	54.00	5.23	Vertical	PASS

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

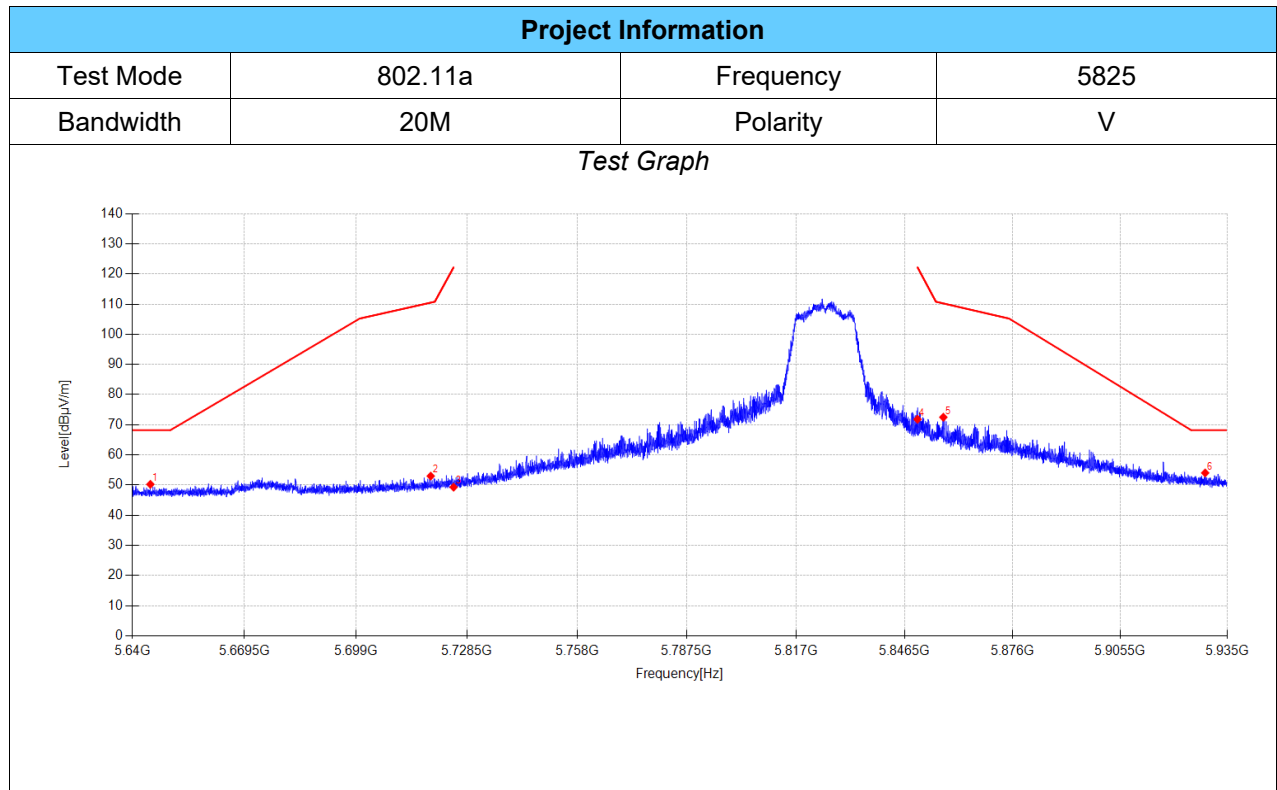
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5647.847	45.32	53.42	8.10	68.20	14.78	PK	Vertical	PASS
2	5717.349	71.26	79.60	8.34	110.06	30.46	PK	Vertical	PASS
3	5725.000	65.63	73.99	8.36	122.20	48.21	PK	Vertical	PASS
4	5850.000	42.40	50.93	8.53	122.20	71.27	PK	Vertical	PASS
5	5895.205	45.10	53.60	8.50	90.25	36.65	PK	Vertical	PASS
6	5933.791	42.88	51.53	8.65	68.20	16.67	PK	Vertical	PASS

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

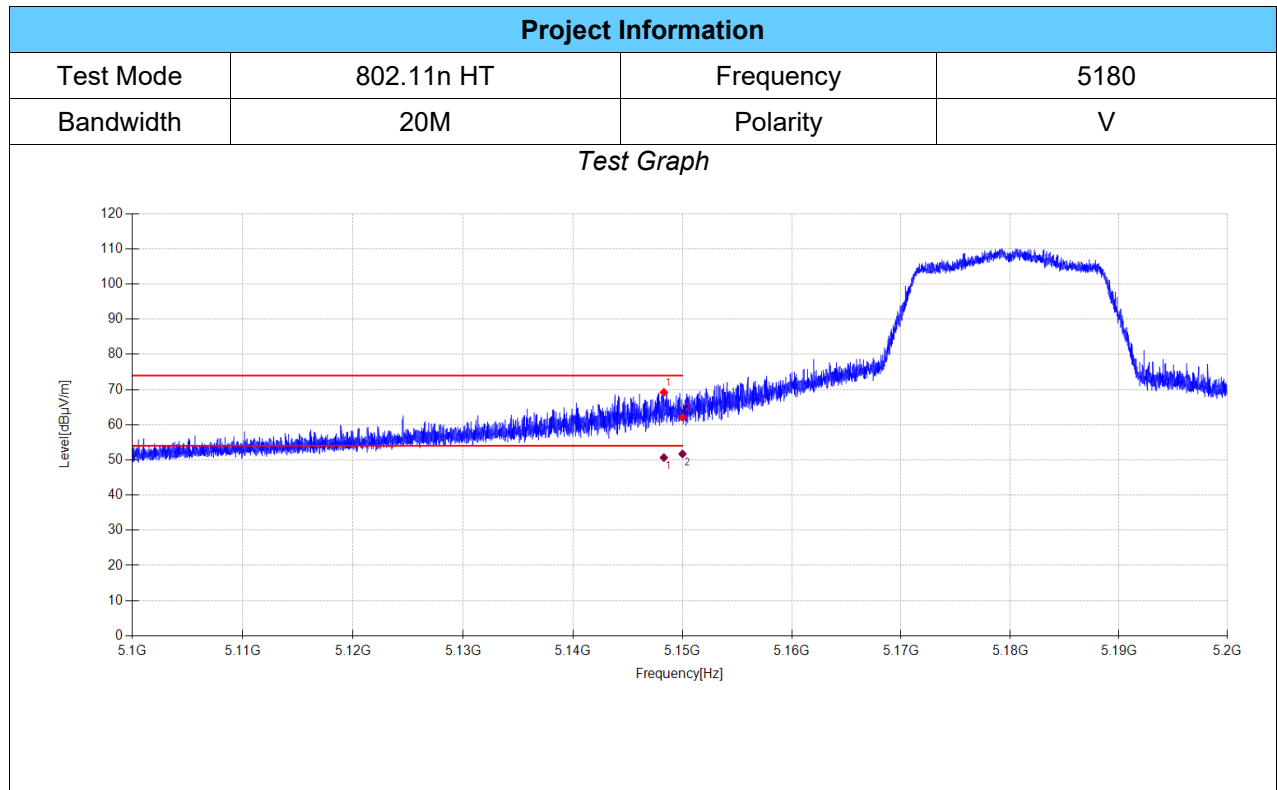
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5644.750	42.14	50.24	8.10	68.20	17.96	PK	Vertical	PASS
2	5718.913	44.63	52.97	8.34	110.50	57.53	PK	Vertical	PASS
3	5725.000	40.92	49.28	8.36	122.20	72.92	PK	Vertical	PASS
4	5850.000	63.28	71.81	8.53	122.20	50.39	PK	Vertical	PASS
5	5857.032	63.97	72.49	8.52	110.23	37.74	PK	Vertical	PASS
6	5928.864	45.38	54.01	8.63	68.20	14.19	PK	Vertical	PASS

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

TX Radiated Test Result



Peak Data List

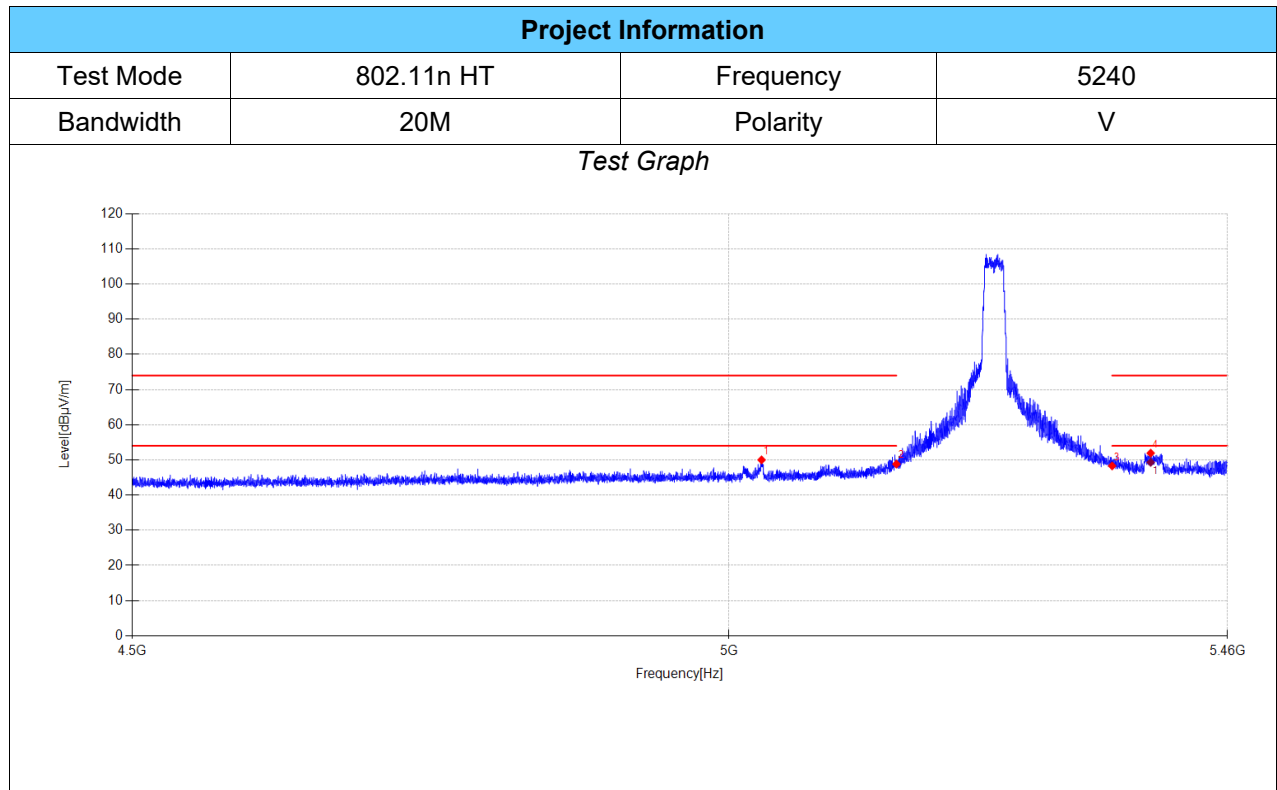
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5148.300	62.18	69.22	7.04	74.00	4.78	PK	Vertical	PASS
2	5150.000	55.11	62.16	7.05	74.00	11.84	PK	Vertical	PASS

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	5148.300	7.04	43.62	50.66	54.00	3.34	Vertical	PASS
2	5150.000	7.05	44.63	51.68	54.00	2.32	Vertical	PASS

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

TX Radiated Test Result

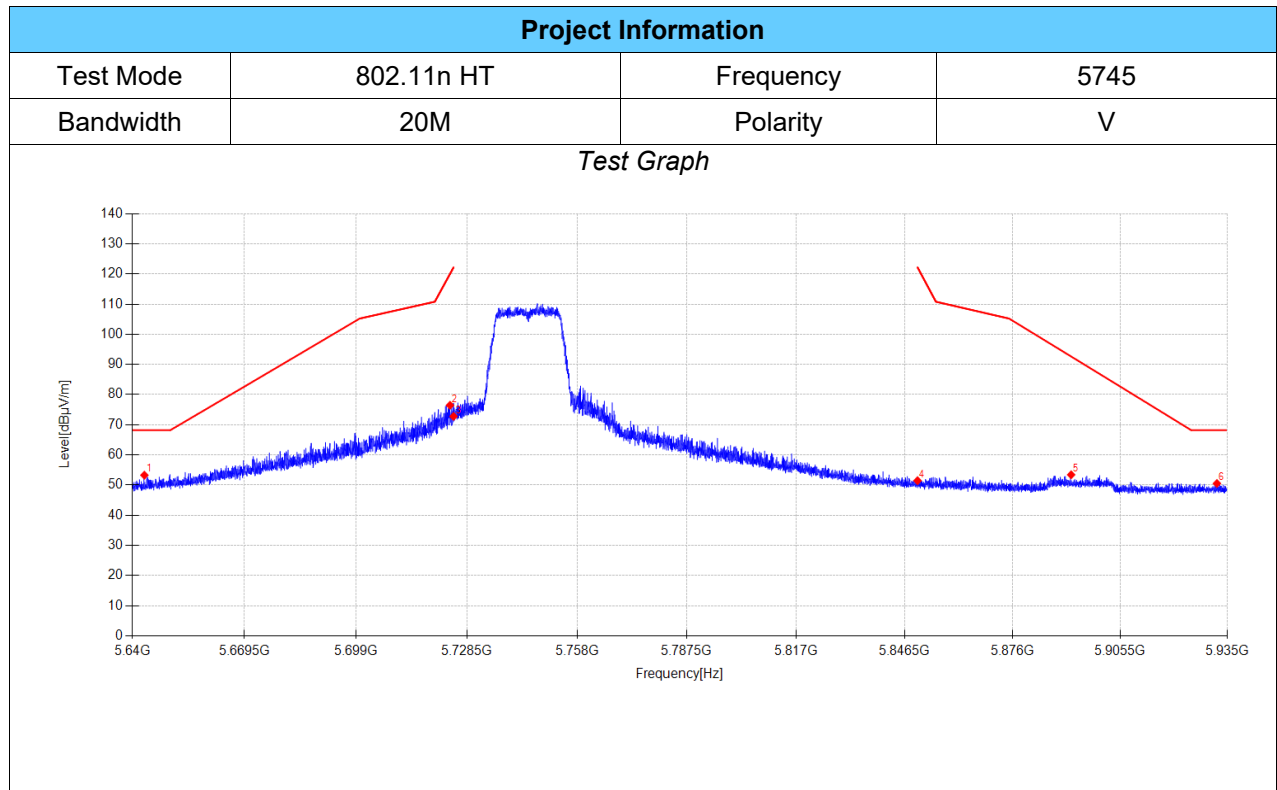


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5028.864	43.20	50.00	6.80	74.00	24.00	PK	Vertical	PASS
2	5150.000	41.76	48.82	7.06	74.00	25.18	PK	Vertical	PASS
3	5350.000	40.91	48.30	7.39	74.00	25.70	PK	Vertical	PASS
4	5386.560	44.46	51.92	7.46	74.00	22.08	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]	Pol	Verdict
1	5386.560	7.46	41.86	49.32	54.00	4.68	Vertical	PASS

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

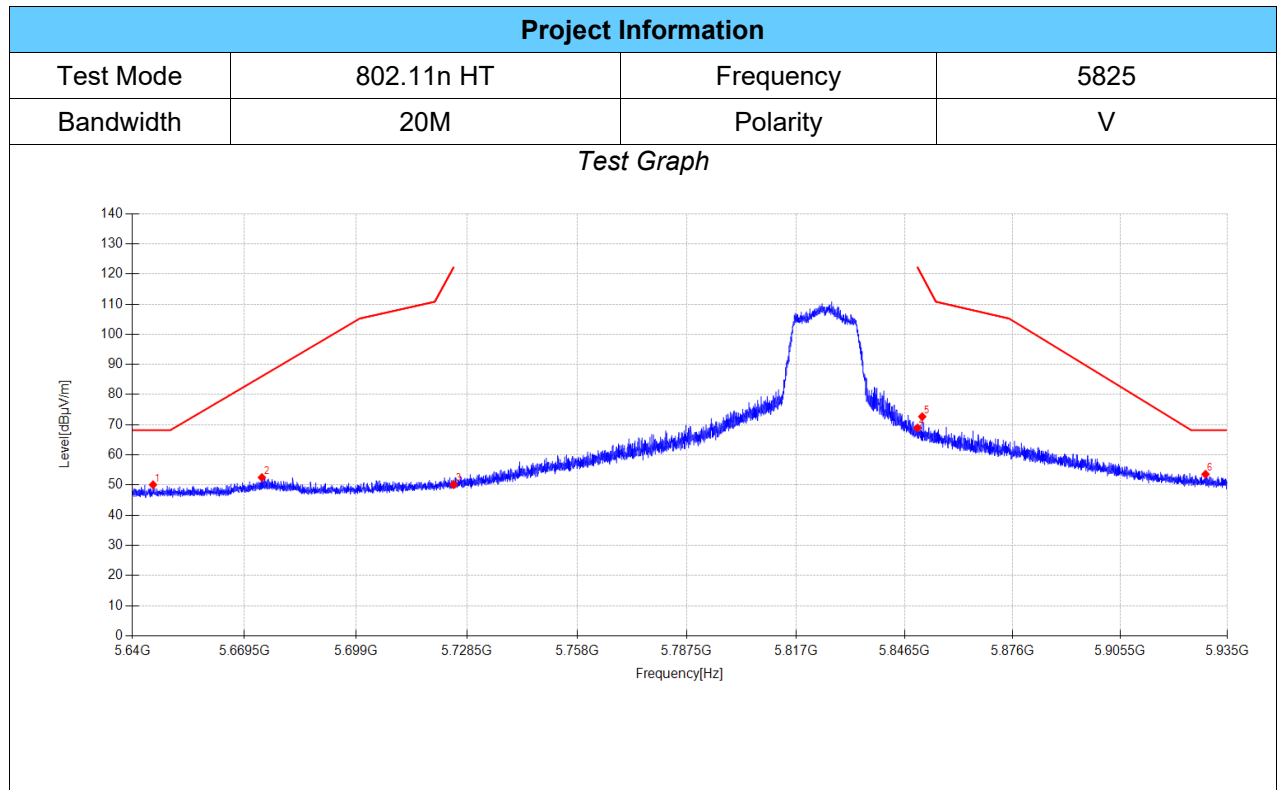
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5643.186	45.17	53.26	8.09	68.20	14.94	PK	Vertical	PASS
2	5724.046	68.09	76.45	8.36	120.02	43.57	PK	Vertical	PASS
3	5725.000	64.41	72.77	8.36	122.20	49.43	PK	Vertical	PASS
4	5850.000	42.91	51.44	8.53	122.20	70.76	PK	Vertical	PASS
5	5891.989	44.91	53.41	8.50	92.63	39.22	PK	Vertical	PASS
6	5932.109	41.87	50.52	8.65	68.20	17.68	PK	Vertical	PASS

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

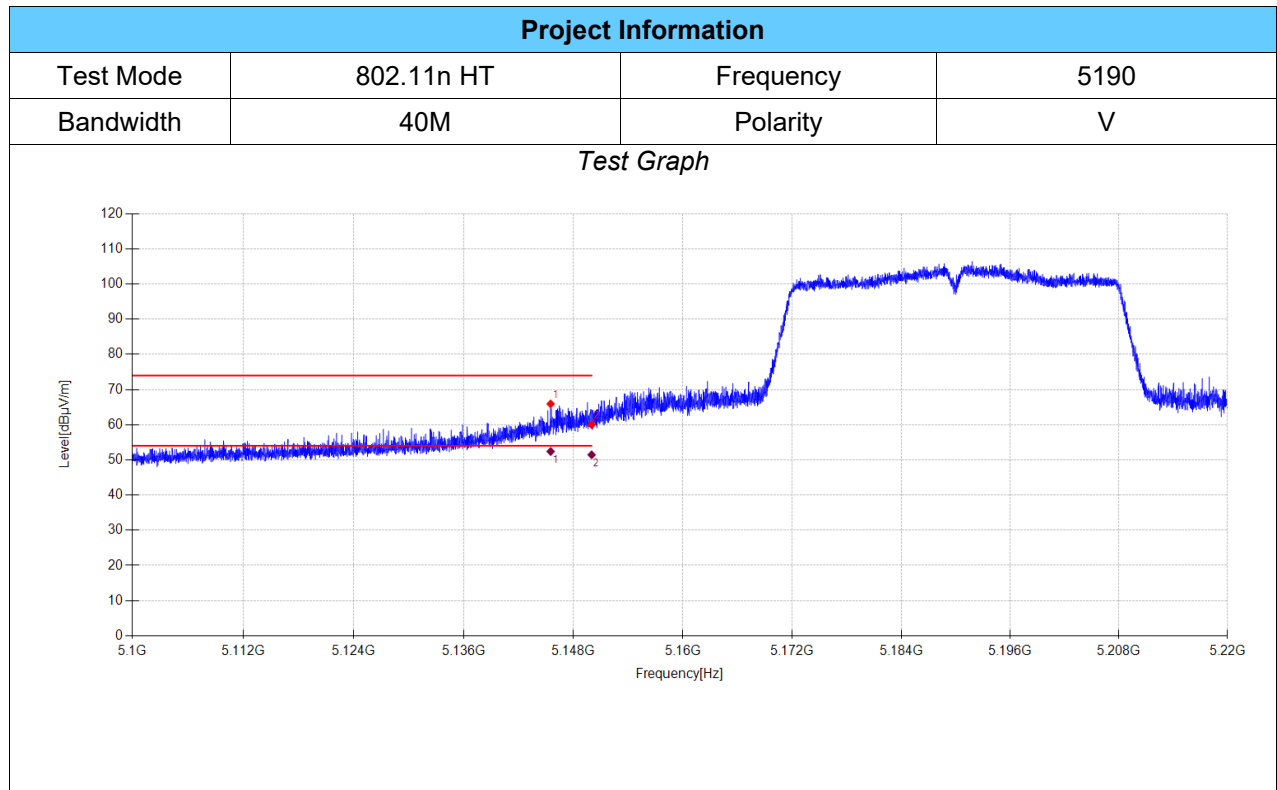
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5645.458	42.00	50.10	8.10	68.20	18.10	PK	Vertical	PASS
2	5674.132	44.31	52.51	8.20	86.06	33.55	PK	Vertical	PASS
3	5725.000	41.78	50.14	8.36	122.20	72.06	PK	Vertical	PASS
4	5850.000	60.41	68.94	8.53	122.20	53.26	PK	Vertical	PASS
5	5851.279	64.16	72.69	8.53	119.28	46.59	PK	Vertical	PASS
6	5928.953	44.94	53.57	8.63	68.20	14.63	PK	Vertical	PASS

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

TX Radiated Test Result



Peak Data List

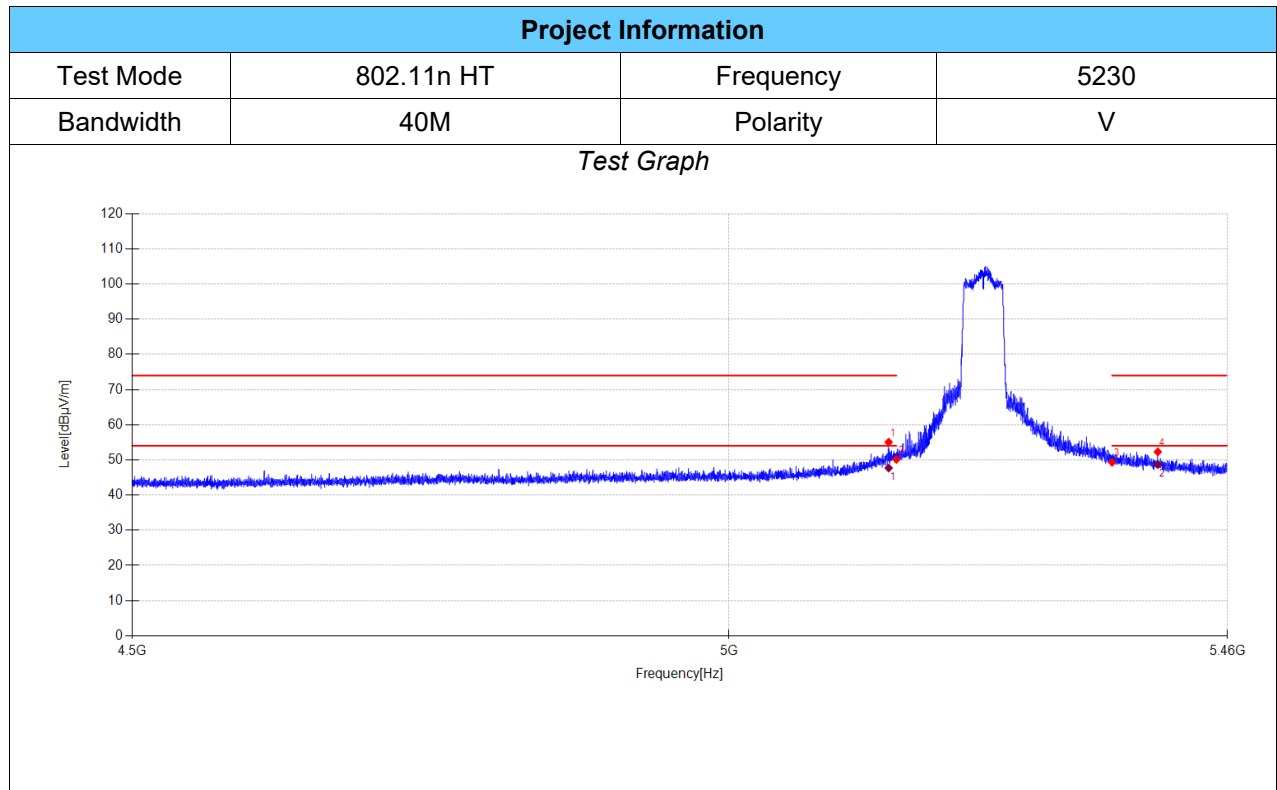
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5145.516	58.88	65.92	7.04	74.00	8.08	PK	Vertical	PASS
2	5150.000	52.97	60.03	7.06	74.00	13.97	PK	Vertical	PASS

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	5145.516	7.04	45.36	52.40	54.00	1.60	Vertical	PASS
2	5150.000	7.06	44.39	51.45	54.00	2.55	Vertical	PASS

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

TX Radiated Test Result

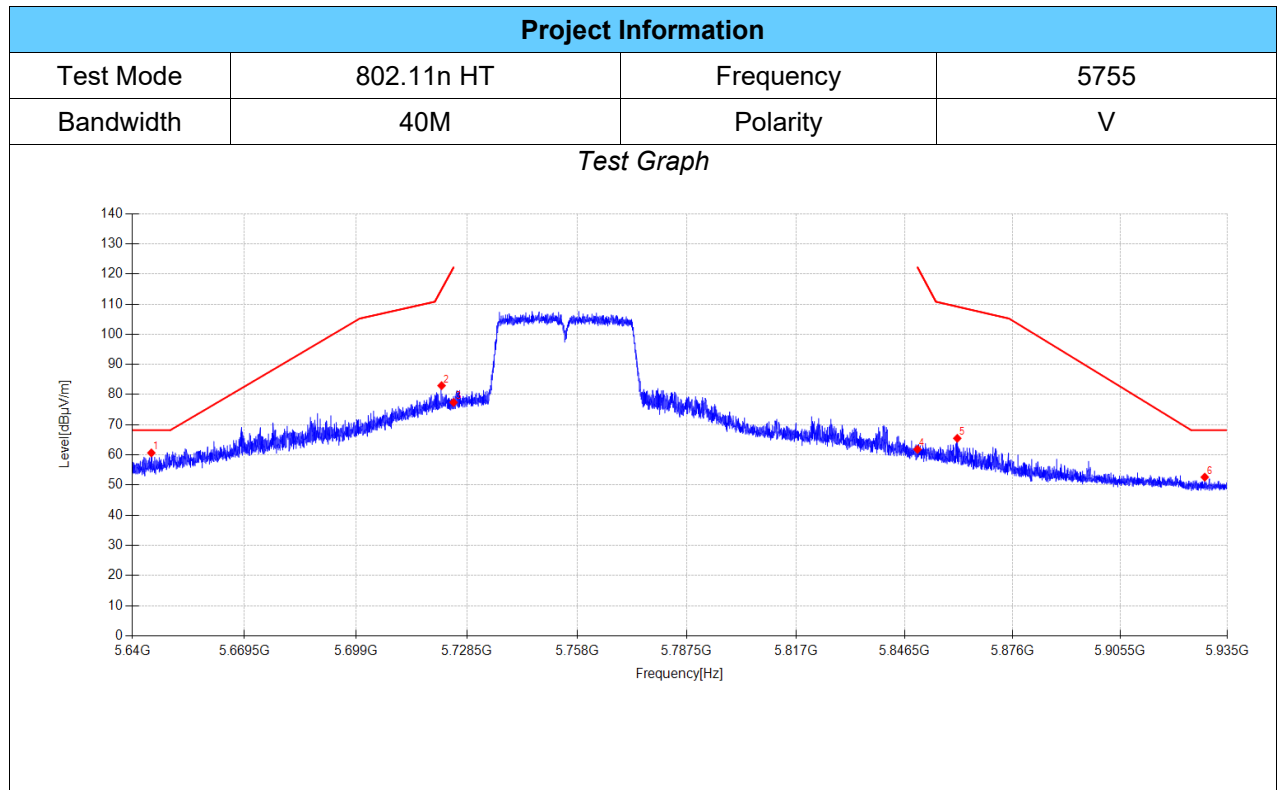


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5143.008	48.01	55.05	7.04	74.00	18.95	PK	Vertical	PASS
2	5150.000	43.06	50.12	7.06	74.00	23.88	PK	Vertical	PASS
3	5350.000	41.92	49.31	7.39	74.00	24.69	PK	Vertical	PASS
4	5393.280	44.84	52.30	7.46	74.00	21.70	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]	Pol	Verdict
1	5143.008	7.04	40.65	47.69	54.00	6.31	Vertical	PASS
2	5393.280	7.46	41.21	48.67	54.00	5.33	Vertical	PASS

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

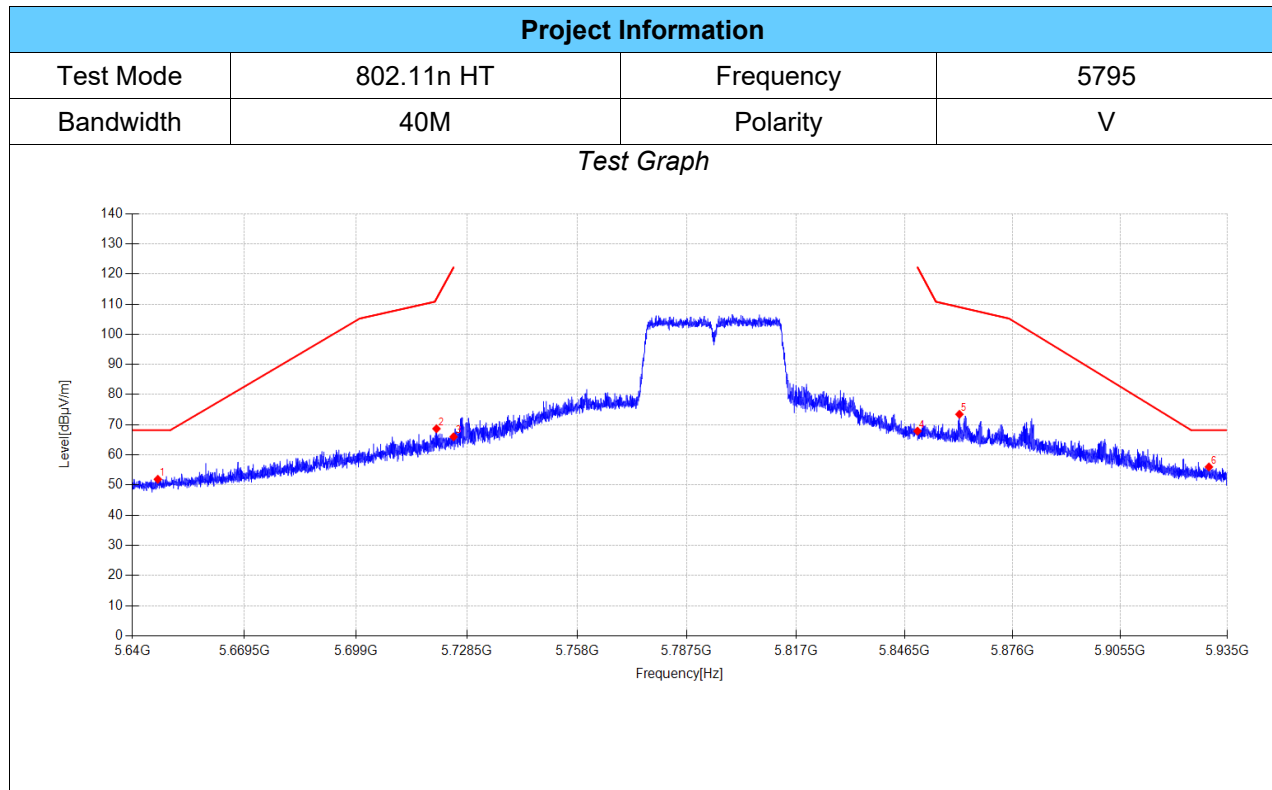
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5645.015	52.55	60.65	8.10	68.20	7.55	PK	Vertical	PASS
2	5721.804	74.63	82.97	8.34	114.91	31.94	PK	Vertical	PASS
3	5725.000	69.04	77.40	8.36	122.20	44.80	PK	Vertical	PASS
4	5850.000	53.30	61.83	8.53	122.20	60.37	PK	Vertical	PASS
5	5860.837	56.96	65.49	8.53	109.17	43.68	PK	Vertical	PASS
6	5928.746	43.99	52.61	8.62	68.20	15.59	PK	Vertical	PASS

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

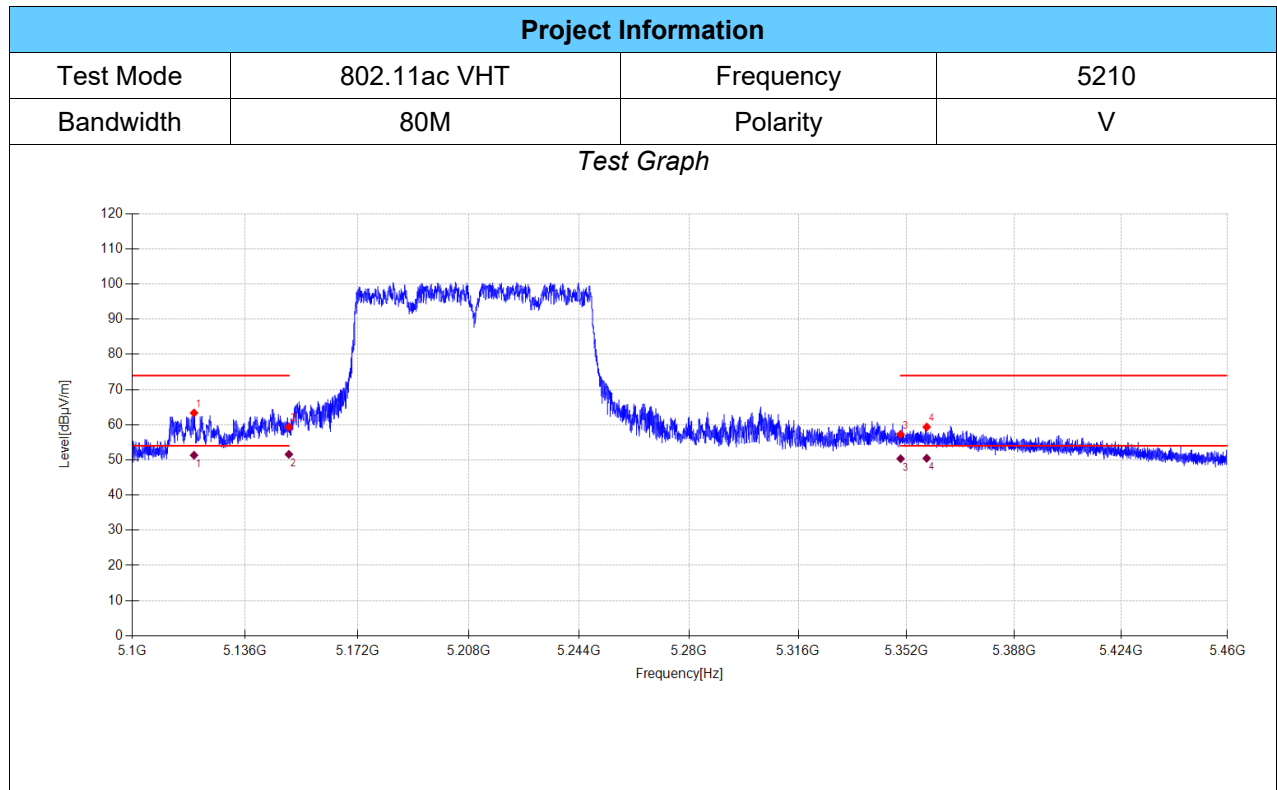
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5646.726	43.81	51.91	8.10	68.20	16.29	PK	Vertical	PASS
2	5720.447	60.34	68.68	8.34	111.82	43.14	PK	Vertical	PASS
3	5725.000	57.63	65.99	8.36	122.20	56.21	PK	Vertical	PASS
4	5850.000	59.34	67.87	8.53	122.20	54.33	PK	Vertical	PASS
5	5861.427	64.93	73.46	8.53	109.00	35.54	PK	Vertical	PASS
6	5929.897	47.36	55.99	8.63	68.20	12.21	PK	Vertical	PASS

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

TX Radiated Test Result

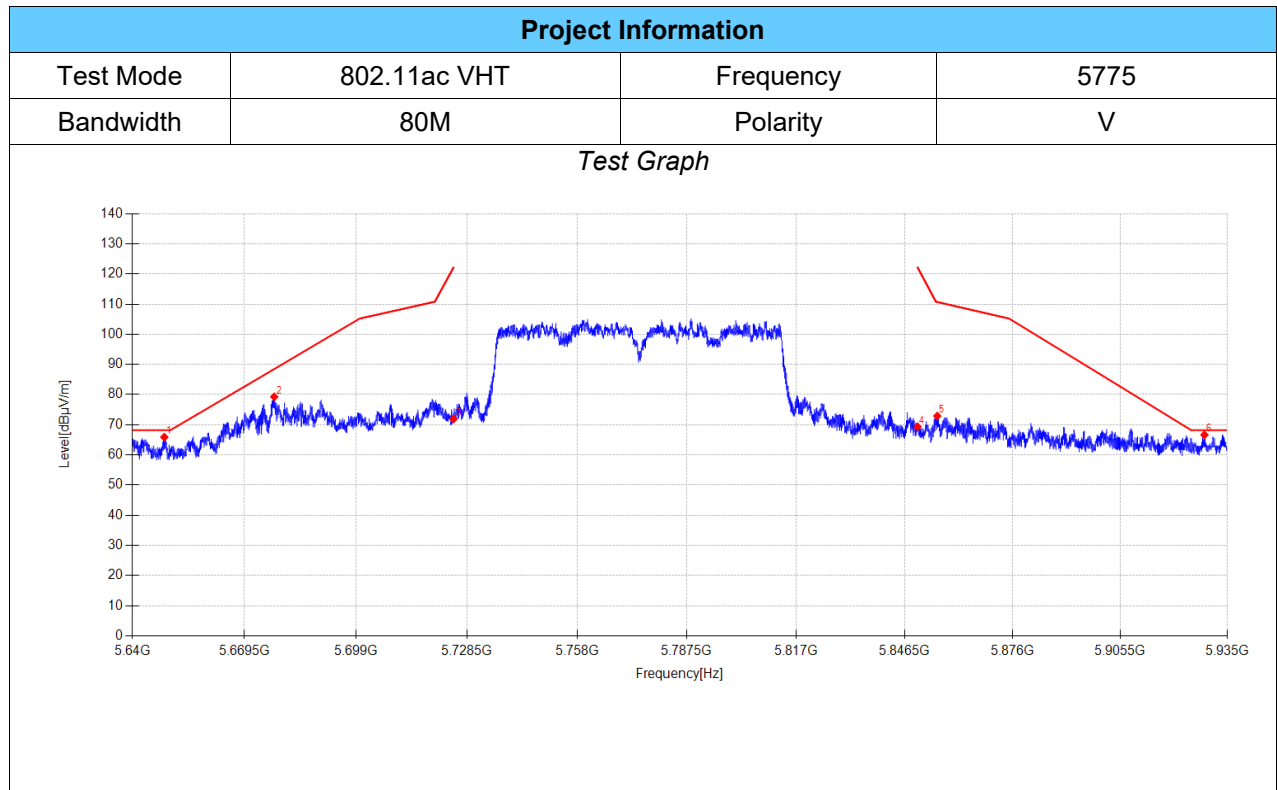


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5119.656	56.36	63.34	6.98	74.00	10.66	PK	Vertical	PASS
2	5150.000	52.29	59.35	7.06	74.00	14.65	PK	Vertical	PASS
3	5350.000	49.86	57.25	7.39	74.00	16.75	PK	Vertical	PASS
4	5358.696	51.96	59.36	7.40	74.00	14.64	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	5119.656	6.98	44.34	51.32	54.00	2.68	Vertical	PASS
2	5150.000	7.06	44.52	51.58	54.00	2.42	Vertical	PASS
3	5350.000	7.39	42.95	50.34	54.00	3.66	Vertical	PASS
4	5358.696	7.40	43.06	50.46	54.00	3.54	Vertical	PASS

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

TX Radiated Test Result

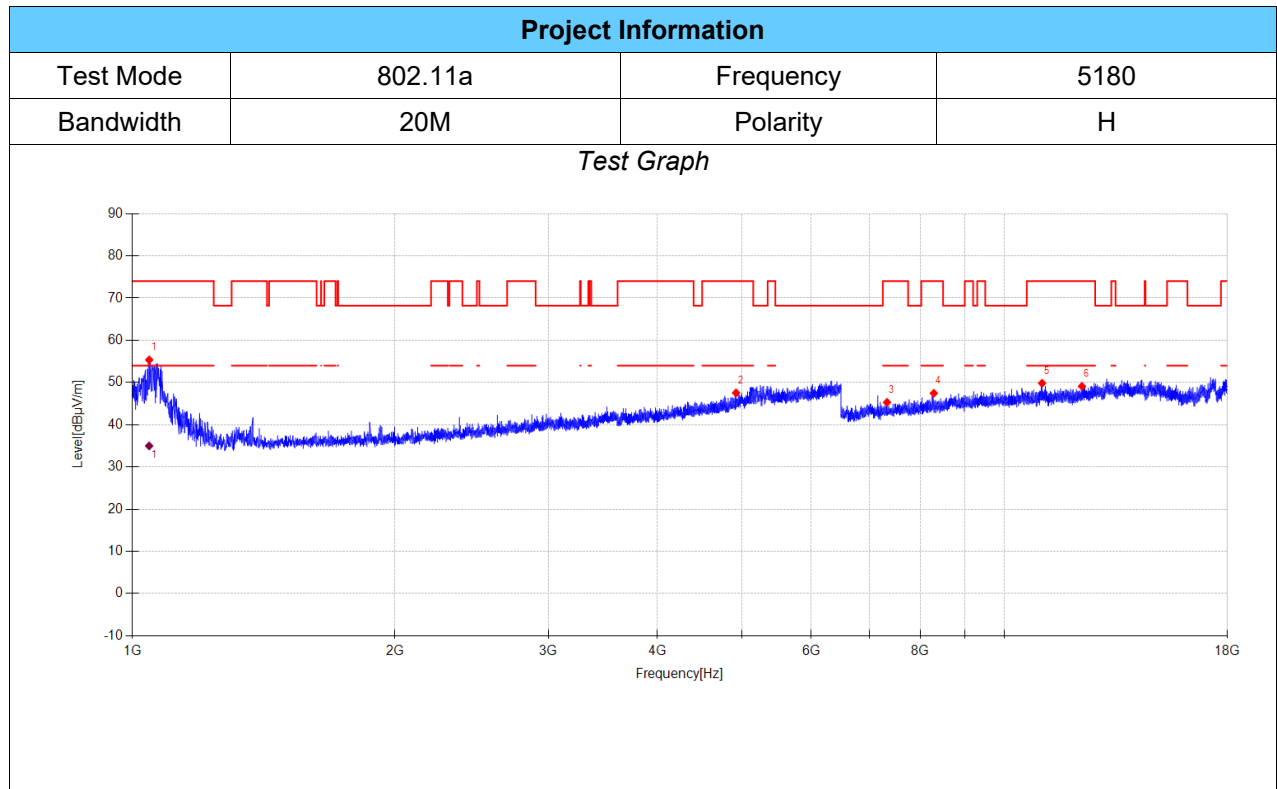


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	5648.408	57.77	65.88	8.11	68.20	2.32	PK	Vertical	PASS
2	5677.406	71.05	79.27	8.22	88.48	9.21	PK	Vertical	PASS
3	5725.000	63.53	71.89	8.36	122.20	50.31	PK	Vertical	PASS
4	5850.000	60.82	69.35	8.53	122.20	52.85	PK	Vertical	PASS
5	5855.380	64.35	72.88	8.53	110.69	37.81	PK	Vertical	PASS
6	5928.658	58.01	66.63	8.62	68.20	1.57	PK	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

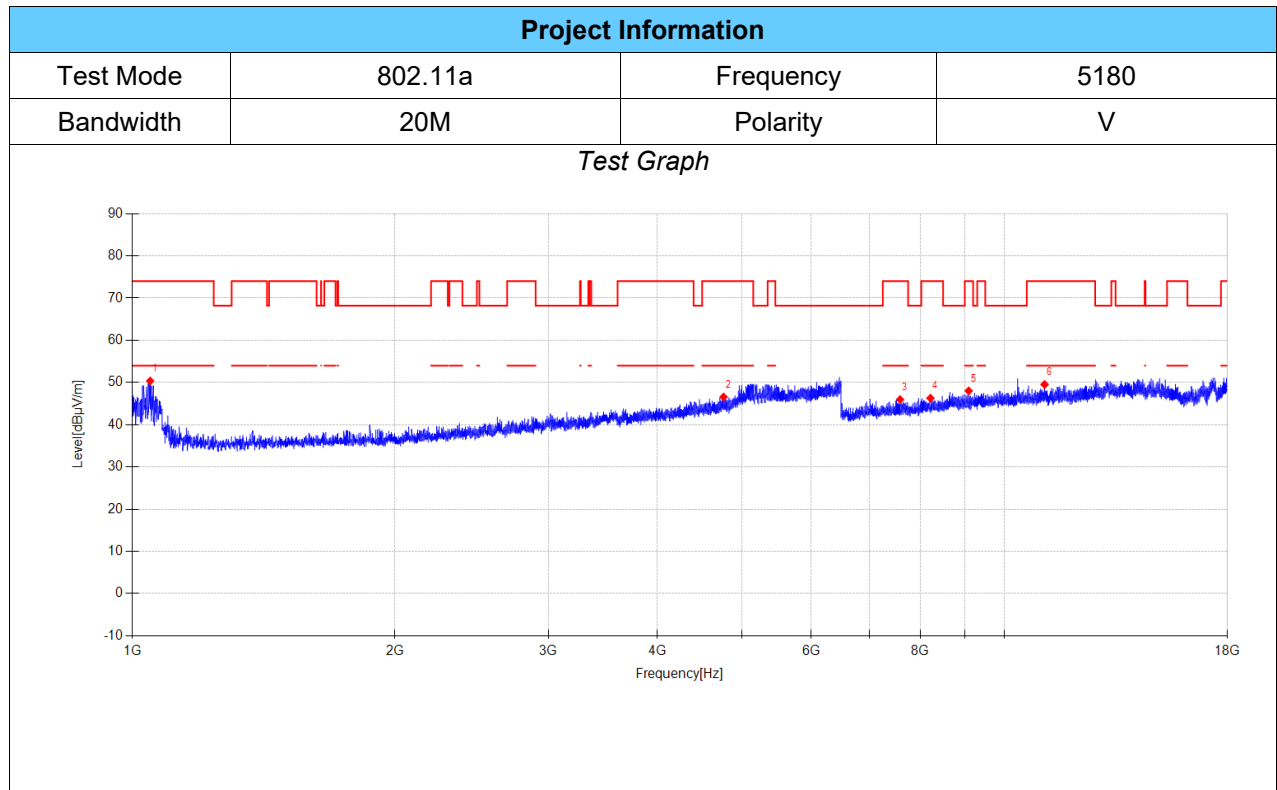
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1045.650	60.02	55.36	-4.66	74.00	18.64	PK	Horizontal	PASS
2	4921.500	39.06	47.55	8.49	74.00	26.45	PK	Horizontal	PASS
3	7330.300	49.84	45.31	-4.53	74.00	28.69	PK	Horizontal	PASS
4	8294.000	51.01	47.46	-3.55	74.00	26.54	PK	Horizontal	PASS
5	11037.900	48.92	49.83	0.91	74.00	24.17	PK	Horizontal	PASS
6	12261.500	46.96	49.10	2.14	74.00	24.90	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	1045.650	-4.66	39.64	34.98	54.00	19.02	Horizontal	PASS

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

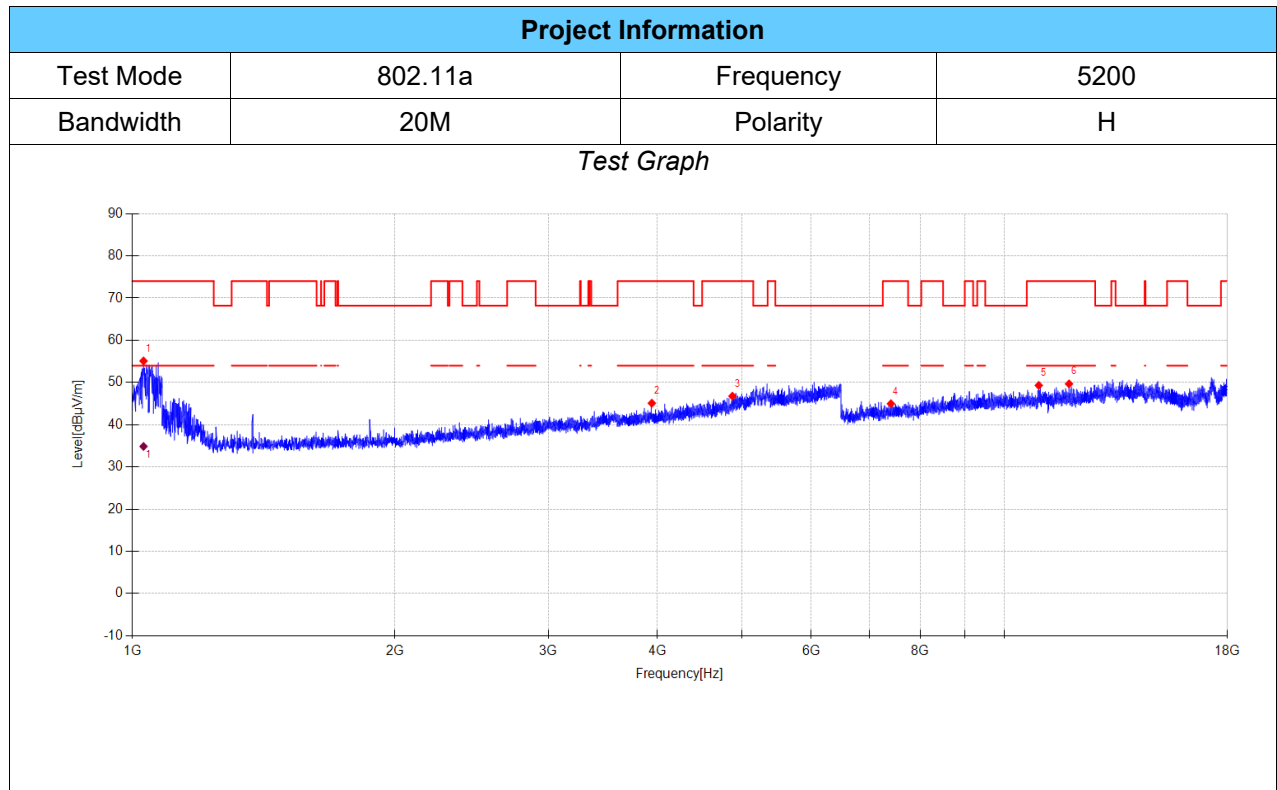
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1048.400	55.02	50.37	-4.65	74.00	23.63	PK	Vertical	PASS
2	4762.550	39.04	46.56	7.52	74.00	27.44	PK	Vertical	PASS
3	7587.900	50.37	45.97	-4.40	74.00	28.03	PK	Vertical	PASS
4	8220.400	49.74	46.29	-3.45	74.00	27.71	PK	Vertical	PASS
5	9094.400	50.32	48.01	-2.31	74.00	25.99	PK	Vertical	PASS
6	11110.350	48.40	49.52	1.12	74.00	24.48	PK	Vertical	PASS

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

TX Radiated Test Result

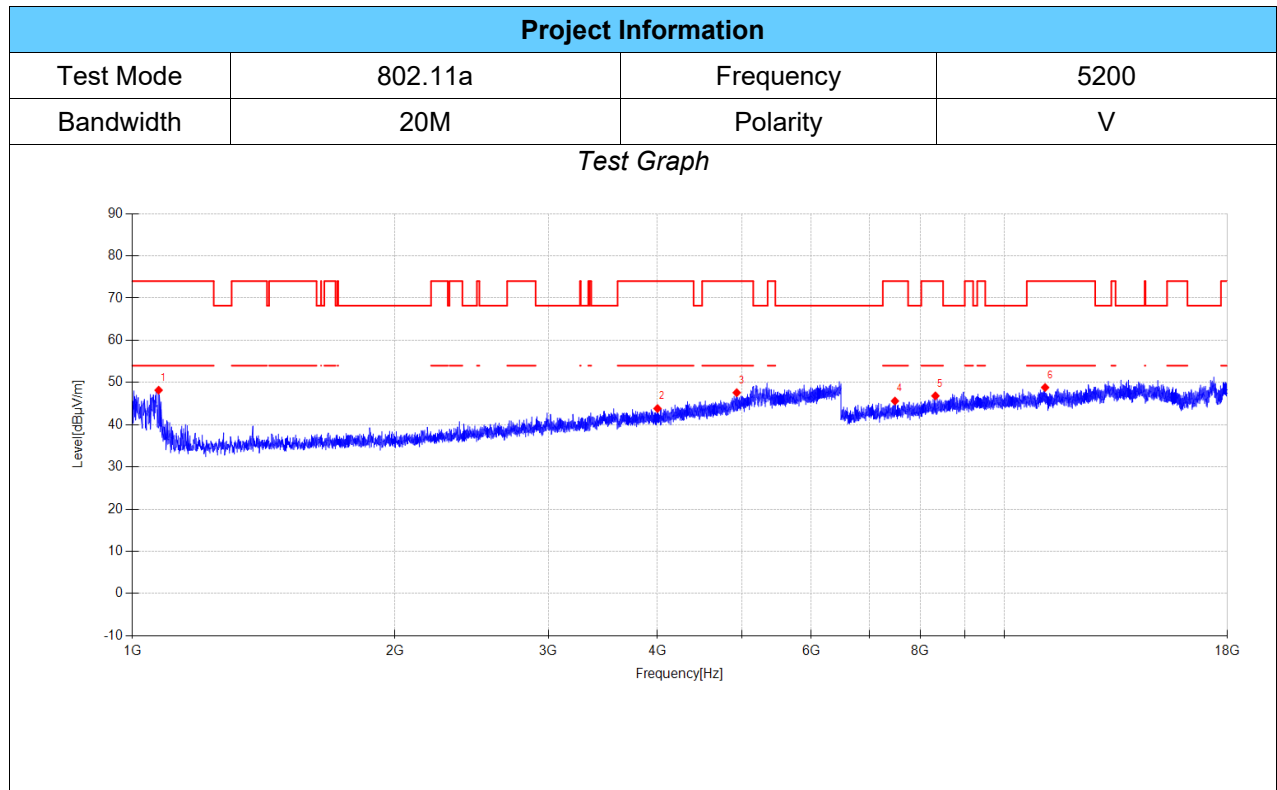


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1030.250	59.83	55.10	-4.73	74.00	18.90	PK	Horizontal	PASS
2	3940.850	39.97	45.10	5.13	74.00	28.90	PK	Horizontal	PASS
3	4874.750	38.60	46.76	8.16	74.00	27.24	PK	Horizontal	PASS
4	7406.200	49.47	44.98	-4.49	74.00	29.02	PK	Horizontal	PASS
5	10942.450	48.64	49.31	0.67	74.00	24.69	PK	Horizontal	PASS
6	11850.950	48.17	49.68	1.51	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	1030.250	-4.73	39.58	34.85	54.00	19.15	Horizontal	PASS

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

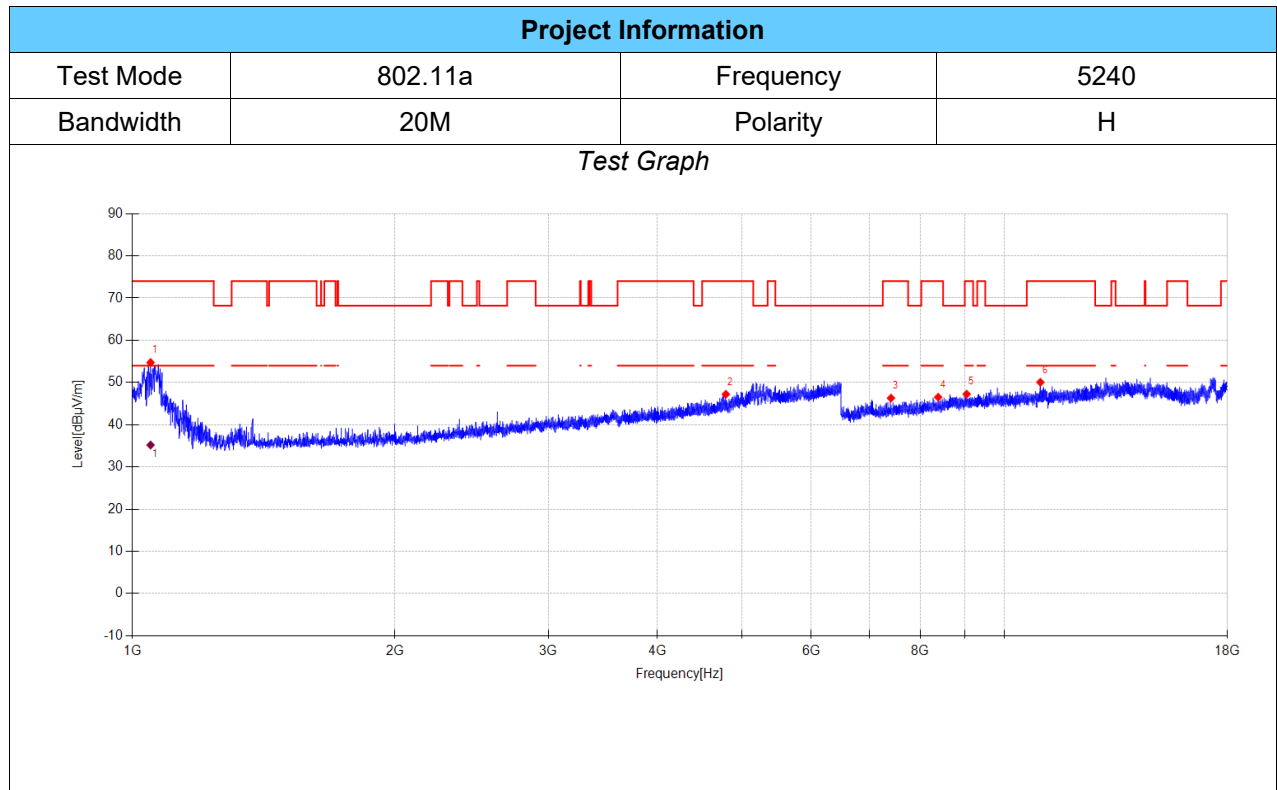
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1072.050	52.73	48.18	-4.55	74.00	25.82	PK	Vertical	PASS
2	3999.700	38.55	43.83	5.28	74.00	30.17	PK	Vertical	PASS
3	4929.750	39.05	47.59	8.54	74.00	26.41	PK	Vertical	PASS
4	7485.550	49.86	45.62	-4.24	74.00	28.38	PK	Vertical	PASS
5	8328.500	50.35	46.83	-3.52	74.00	27.17	PK	Vertical	PASS
6	11126.450	47.74	48.82	1.08	74.00	25.18	PK	Vertical	PASS

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

TX Radiated Test Result

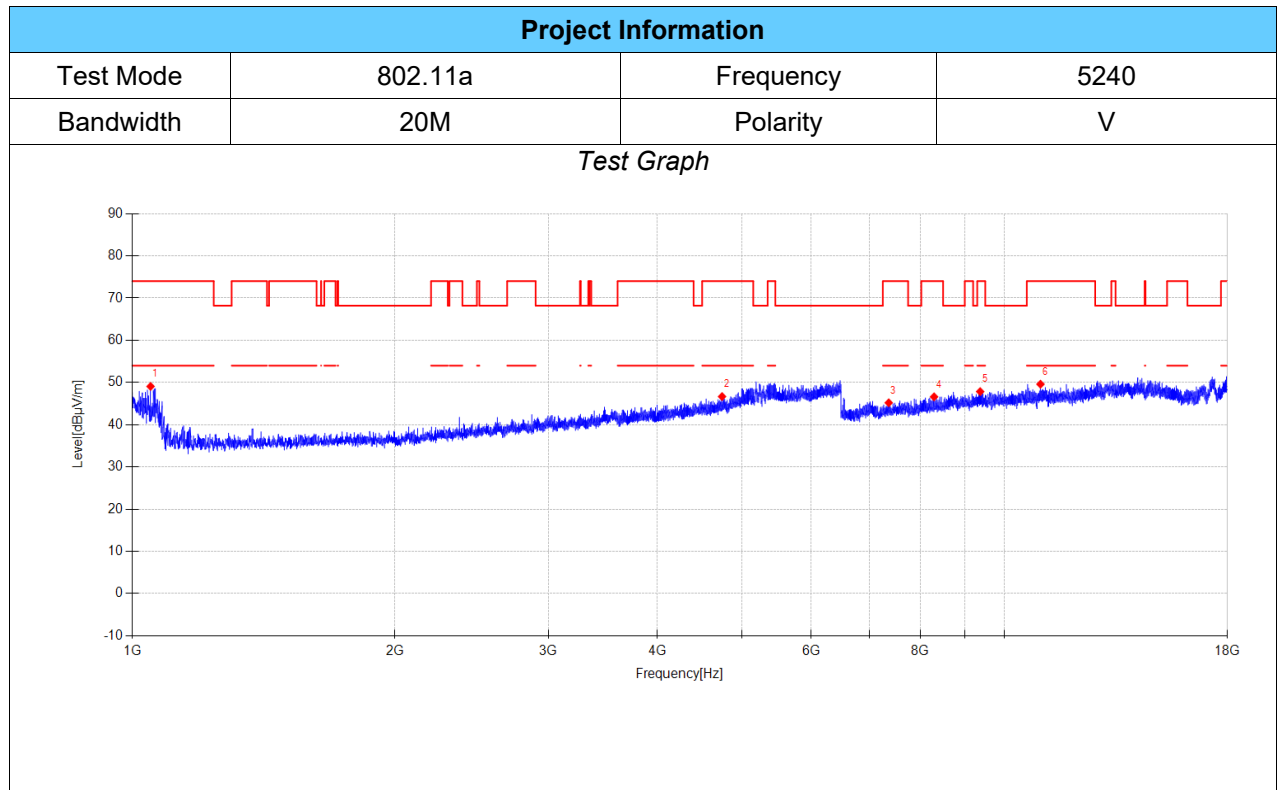


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1049.500	59.39	54.74	-4.65	74.00	19.26	PK	Horizontal	PASS
2	4790.050	39.62	47.22	7.60	74.00	26.78	PK	Horizontal	PASS
3	7407.350	50.78	46.31	-4.47	74.00	27.69	PK	Horizontal	PASS
4	8390.600	49.94	46.51	-3.43	74.00	27.49	PK	Horizontal	PASS
5	9044.950	49.49	47.25	-2.24	74.00	26.75	PK	Horizontal	PASS
6	10988.450	49.31	50.06	0.75	74.00	23.94	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	1049.500	-4.65	39.84	35.19	54.00	18.81	Horizontal	PASS

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

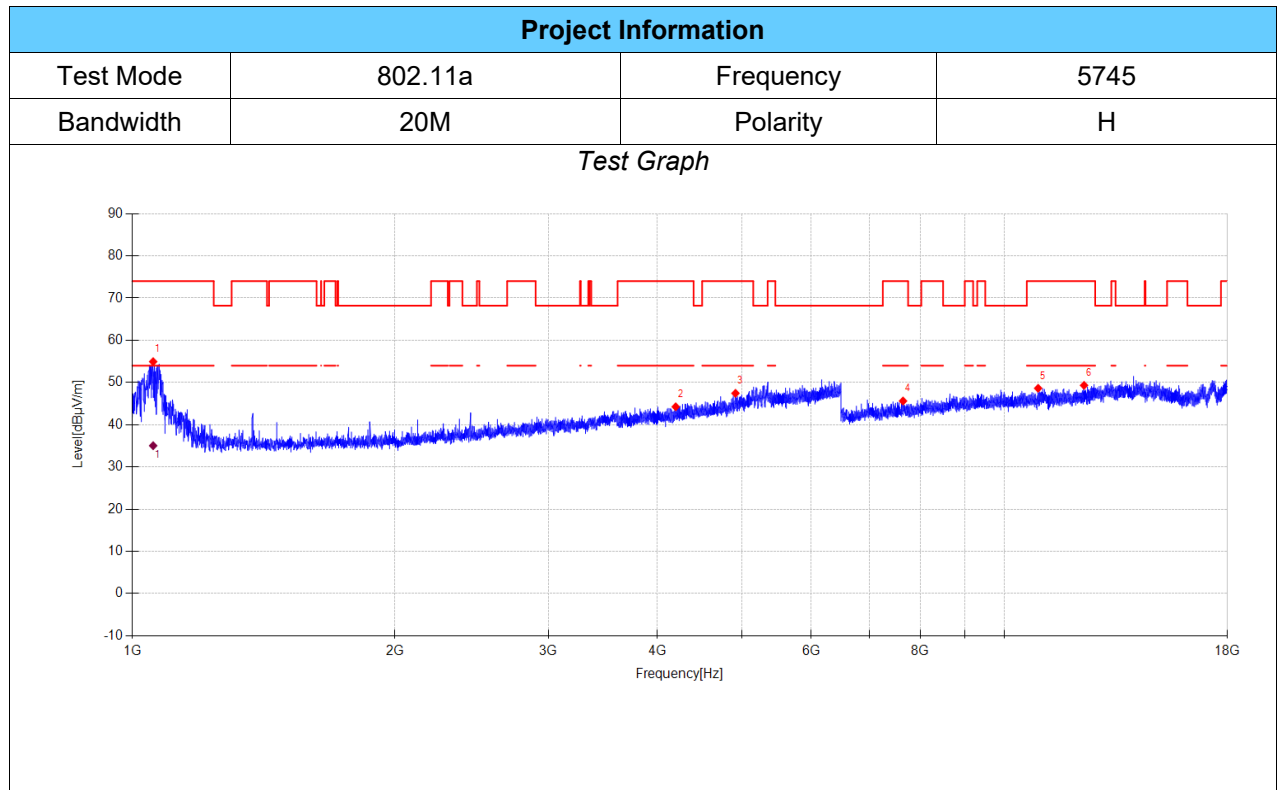
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1049.500	53.73	49.08	-4.65	74.00	24.92	PK	Vertical	PASS
2	4742.750	39.21	46.67	7.46	74.00	27.33	PK	Vertical	PASS
3	7363.650	49.72	45.20	-4.52	74.00	28.80	PK	Vertical	PASS
4	8299.750	50.17	46.61	-3.56	74.00	27.39	PK	Vertical	PASS
5	9373.850	49.36	47.85	-1.51	74.00	26.15	PK	Vertical	PASS
6	10989.600	48.85	49.60	0.75	74.00	24.40	PK	Vertical	PASS

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

TX Radiated Test Result

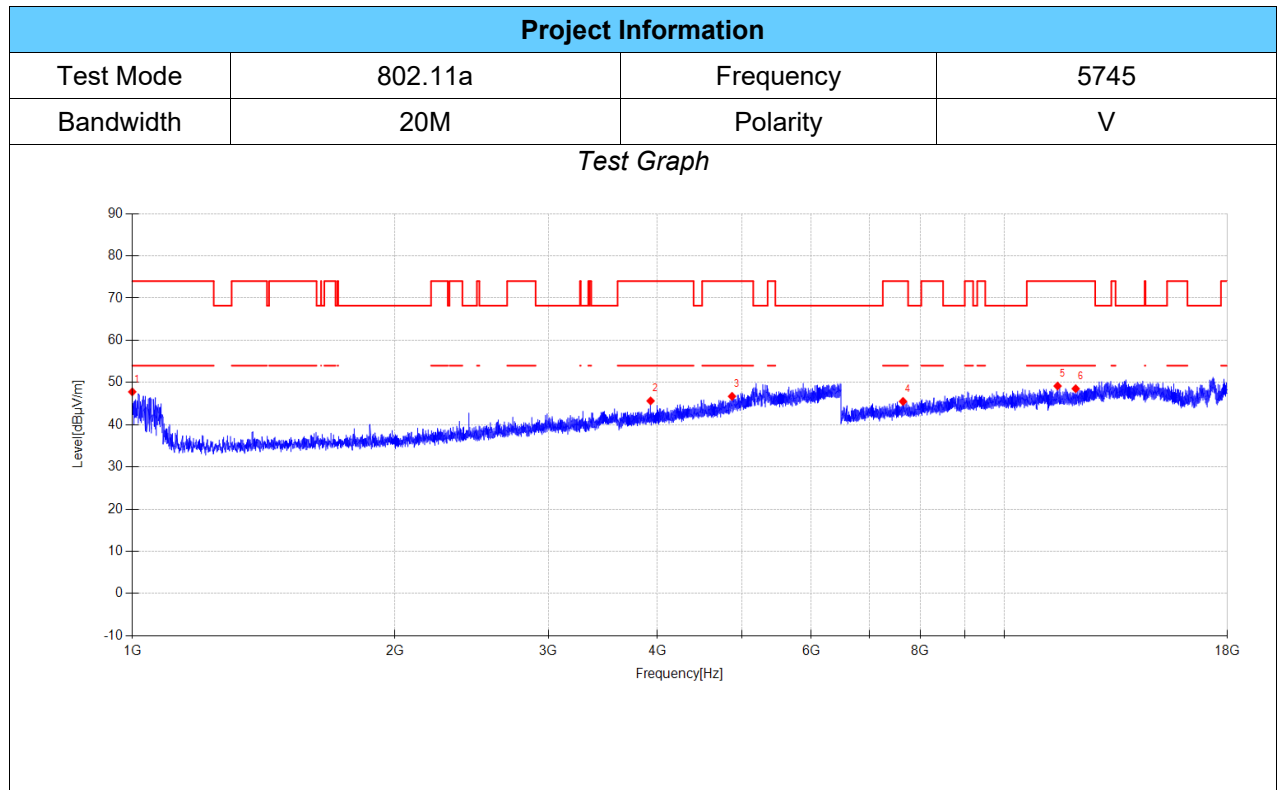


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1056.650	59.56	54.94	-4.62	74.00	19.06	PK	Horizontal	PASS
2	4196.600	38.43	44.25	5.82	74.00	29.75	PK	Horizontal	PASS
3	4913.800	39.01	47.44	8.43	74.00	26.56	PK	Horizontal	PASS
4	7646.550	49.88	45.62	-4.26	74.00	28.38	PK	Horizontal	PASS
5	10922.900	47.99	48.63	0.64	74.00	25.37	PK	Horizontal	PASS
6	12330.500	47.13	49.33	2.20	74.00	24.67	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	1056.650	-4.62	39.65	35.03	54.00	18.97	Horizontal	PASS

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

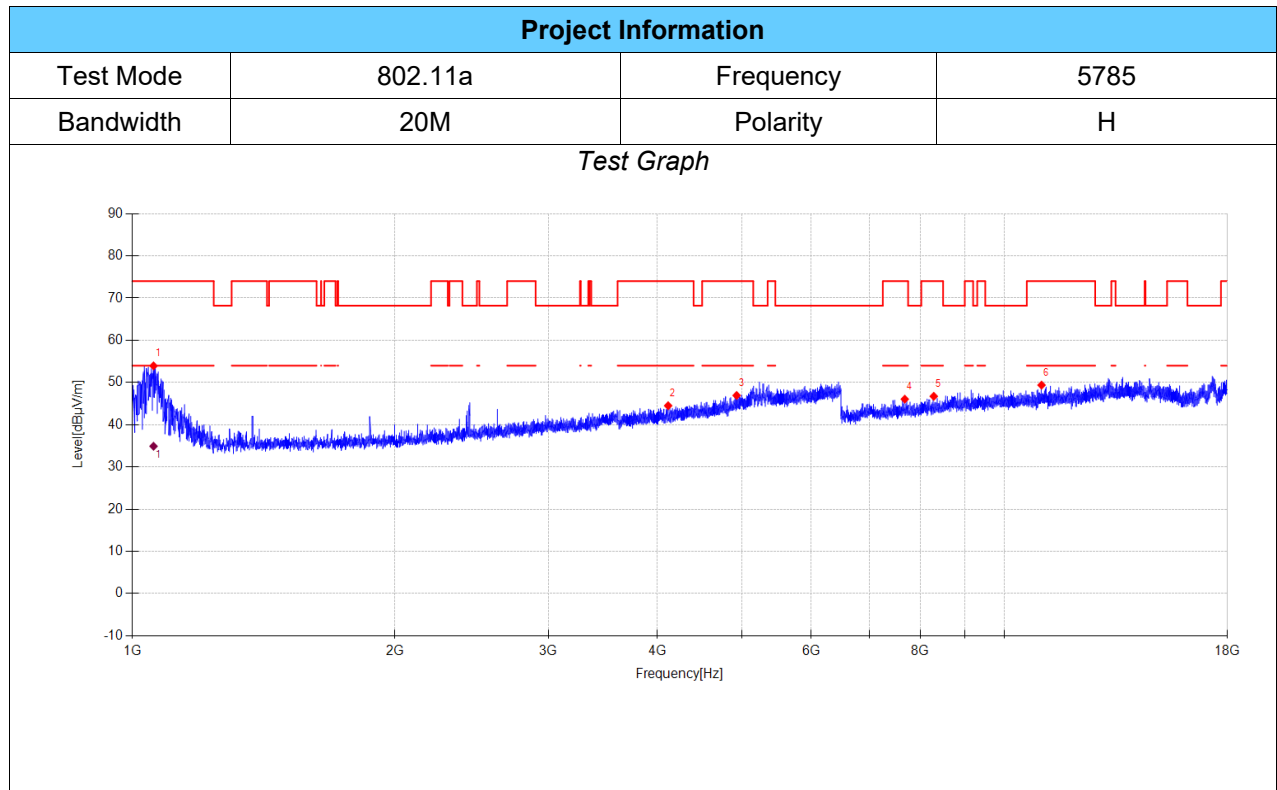
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1000.000	52.66	47.79	-4.87	74.00	26.21	PK	Vertical	PASS
2	3927.650	40.55	45.64	5.09	74.00	28.36	PK	Vertical	PASS
3	4869.250	38.60	46.72	8.12	74.00	27.28	PK	Vertical	PASS
4	7646.550	49.77	45.51	-4.26	74.00	28.49	PK	Vertical	PASS
5	11499.050	47.78	49.17	1.39	74.00	24.83	PK	Vertical	PASS
6	12061.400	46.75	48.54	1.79	74.00	25.46	PK	Vertical	PASS

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

TX Radiated Test Result

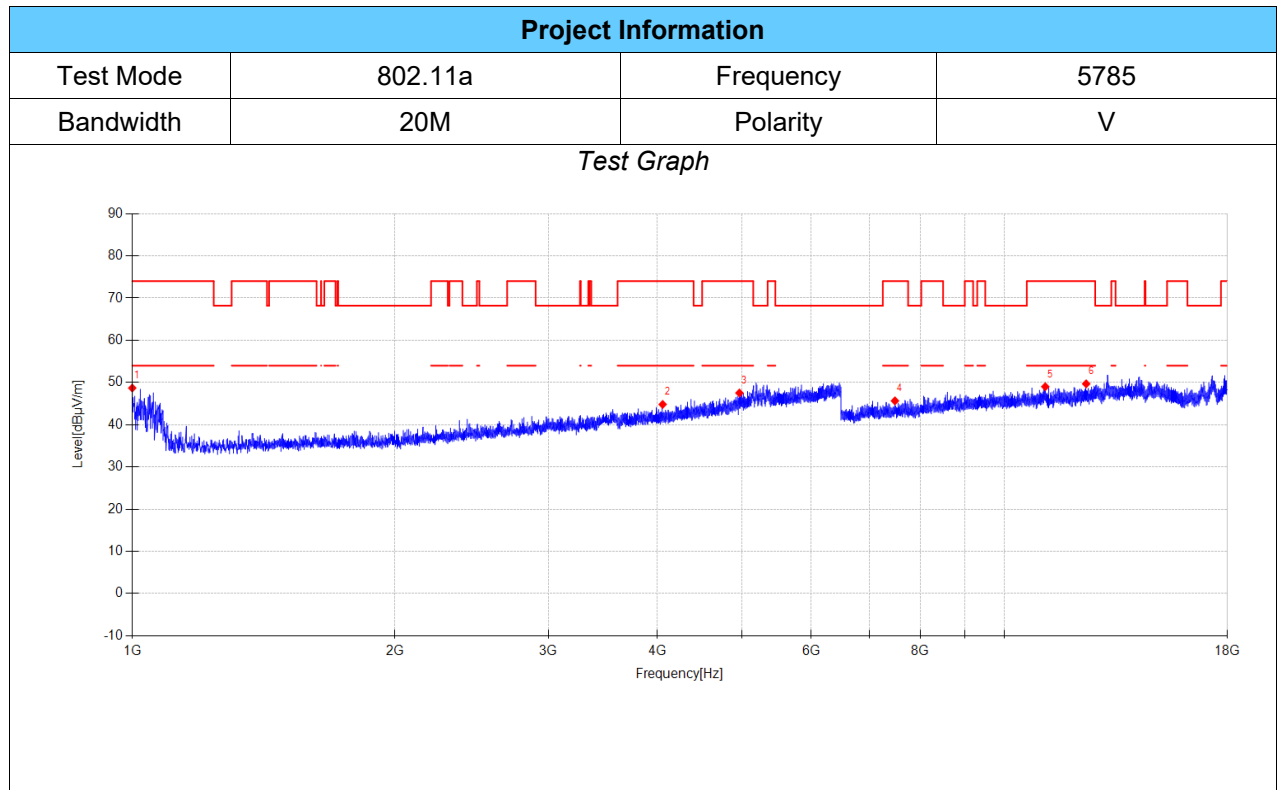


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1057.750	58.55	53.94	-4.61	74.00	20.06	PK	Horizontal	PASS
2	4113.550	38.91	44.50	5.59	74.00	29.50	PK	Horizontal	PASS
3	4928.650	38.40	46.93	8.53	74.00	27.07	PK	Horizontal	PASS
4	7682.200	50.20	46.06	-4.14	74.00	27.94	PK	Horizontal	PASS
5	8294.000	50.28	46.73	-3.55	74.00	27.27	PK	Horizontal	PASS
6	11021.800	48.53	49.38	0.85	74.00	24.62	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	1057.750	-4.61	39.51	34.90	54.00	19.10	Horizontal	PASS

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

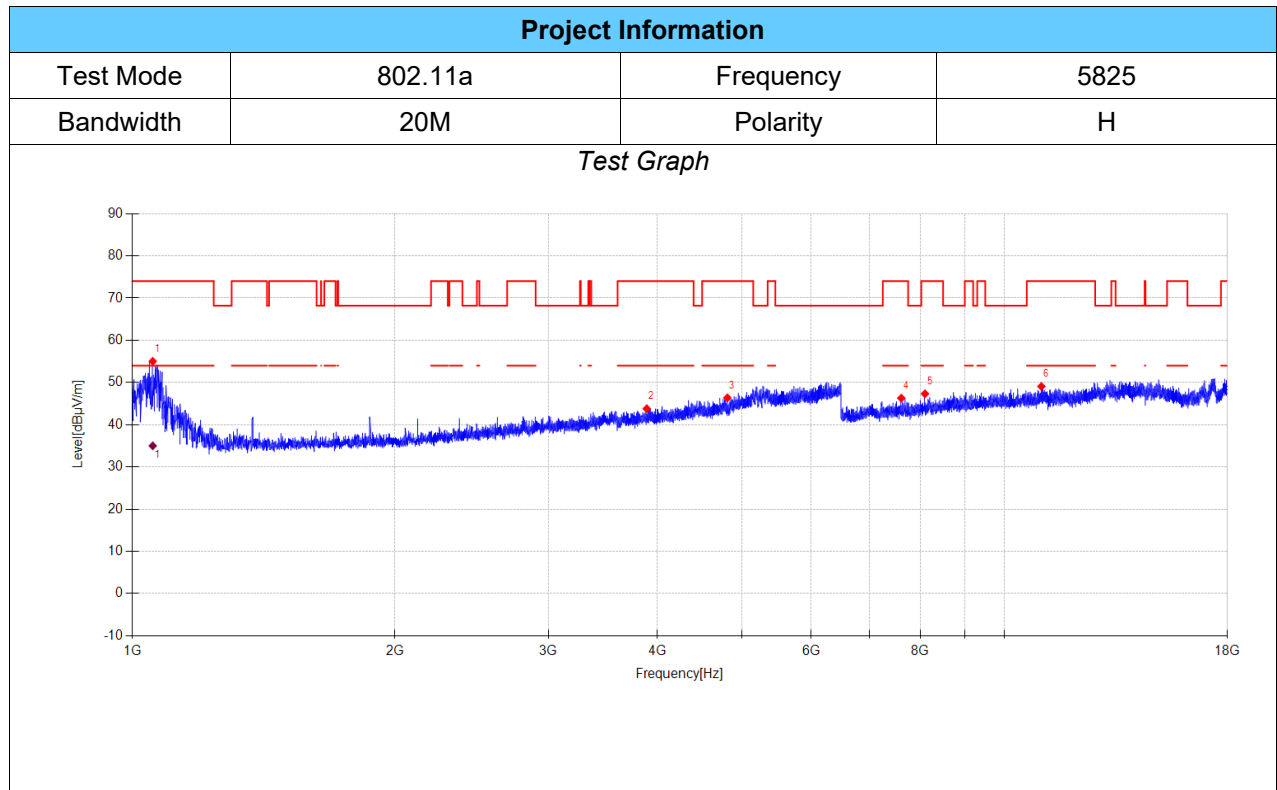
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1000.000	53.57	48.70	-4.87	74.00	25.30	PK	Vertical	PASS
2	4054.700	39.38	44.81	5.43	74.00	29.19	PK	Vertical	PASS
3	4965.500	38.73	47.52	8.79	74.00	26.48	PK	Vertical	PASS
4	7485.550	49.89	45.65	-4.24	74.00	28.35	PK	Vertical	PASS
5	11131.050	47.94	49.01	1.07	74.00	24.99	PK	Vertical	PASS
6	12400.650	47.52	49.69	2.17	74.00	24.31	PK	Vertical	PASS

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

TX Radiated Test Result

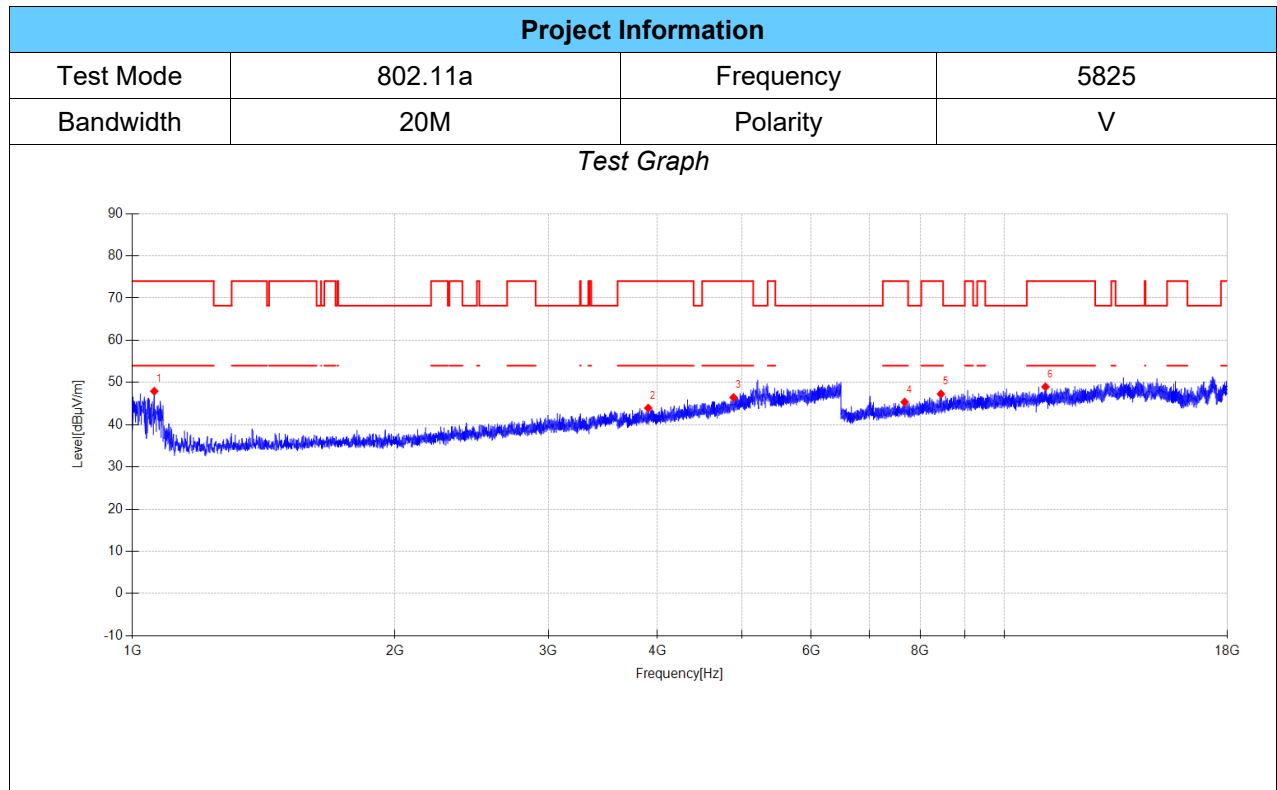


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1055.550	59.64	55.02	-4.62	74.00	18.98	PK	Horizontal	PASS
2	3888.050	38.81	43.80	4.99	74.00	30.20	PK	Horizontal	PASS
3	4810.400	38.67	46.37	7.70	74.00	27.63	PK	Horizontal	PASS
4	7612.050	50.69	46.30	-4.39	74.00	27.70	PK	Horizontal	PASS
5	8103.100	50.97	47.32	-3.65	74.00	26.68	PK	Horizontal	PASS
6	11017.200	48.24	49.08	0.84	74.00	24.92	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	1055.550	-4.62	39.62	35.00	54.00	19.00	Horizontal	PASS

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

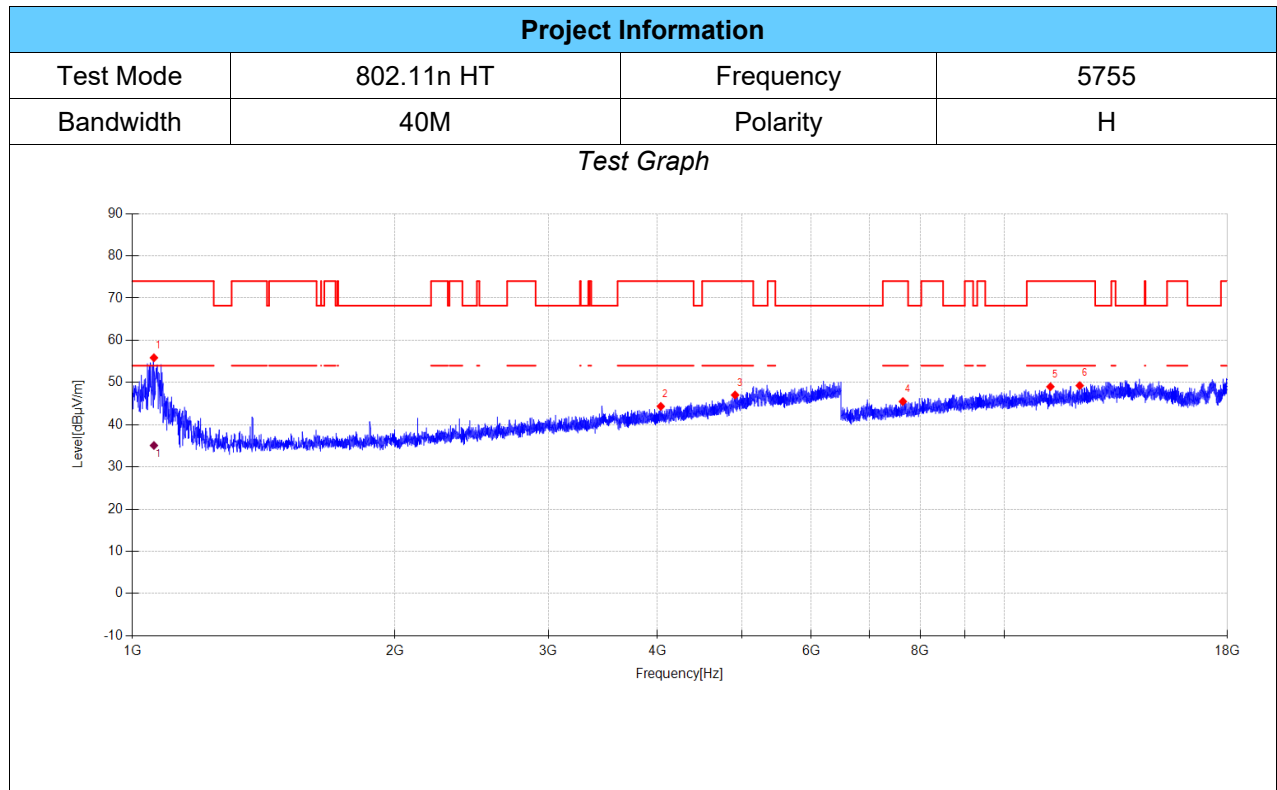
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1059.950	52.53	47.93	-4.60	74.00	26.07	PK	Vertical	PASS
2	3902.900	38.91	43.94	5.03	74.00	30.06	PK	Vertical	PASS
3	4889.050	38.19	46.45	8.26	74.00	27.55	PK	Vertical	PASS
4	7679.900	49.52	45.37	-4.15	74.00	28.63	PK	Vertical	PASS
5	8451.550	50.64	47.29	-3.35	74.00	26.71	PK	Vertical	PASS
6	11136.800	47.93	48.98	1.05	74.00	25.02	PK	Vertical	PASS

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

TX Radiated Test Result

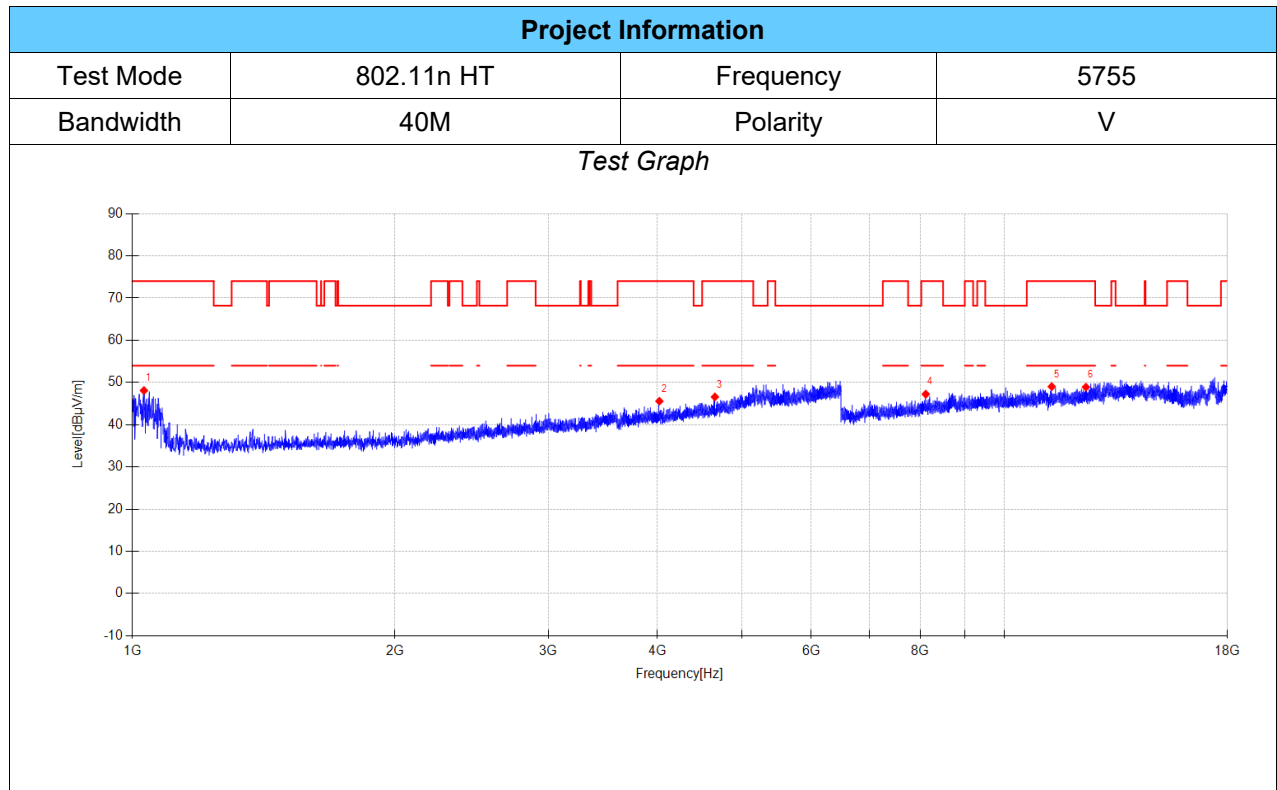


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1058.850	60.46	55.86	-4.60	74.00	18.14	PK	Horizontal	PASS
2	4034.900	38.98	44.35	5.37	74.00	29.65	PK	Horizontal	PASS
3	4908.850	38.64	47.03	8.39	74.00	26.97	PK	Horizontal	PASS
4	7644.250	49.77	45.50	-4.27	74.00	28.50	PK	Horizontal	PASS
5	11282.850	48.01	49.00	0.99	74.00	25.00	PK	Horizontal	PASS
6	12190.200	47.26	49.27	2.01	74.00	24.73	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	1058.850	-4.60	39.68	35.08	54.00	18.92	Horizontal	PASS

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

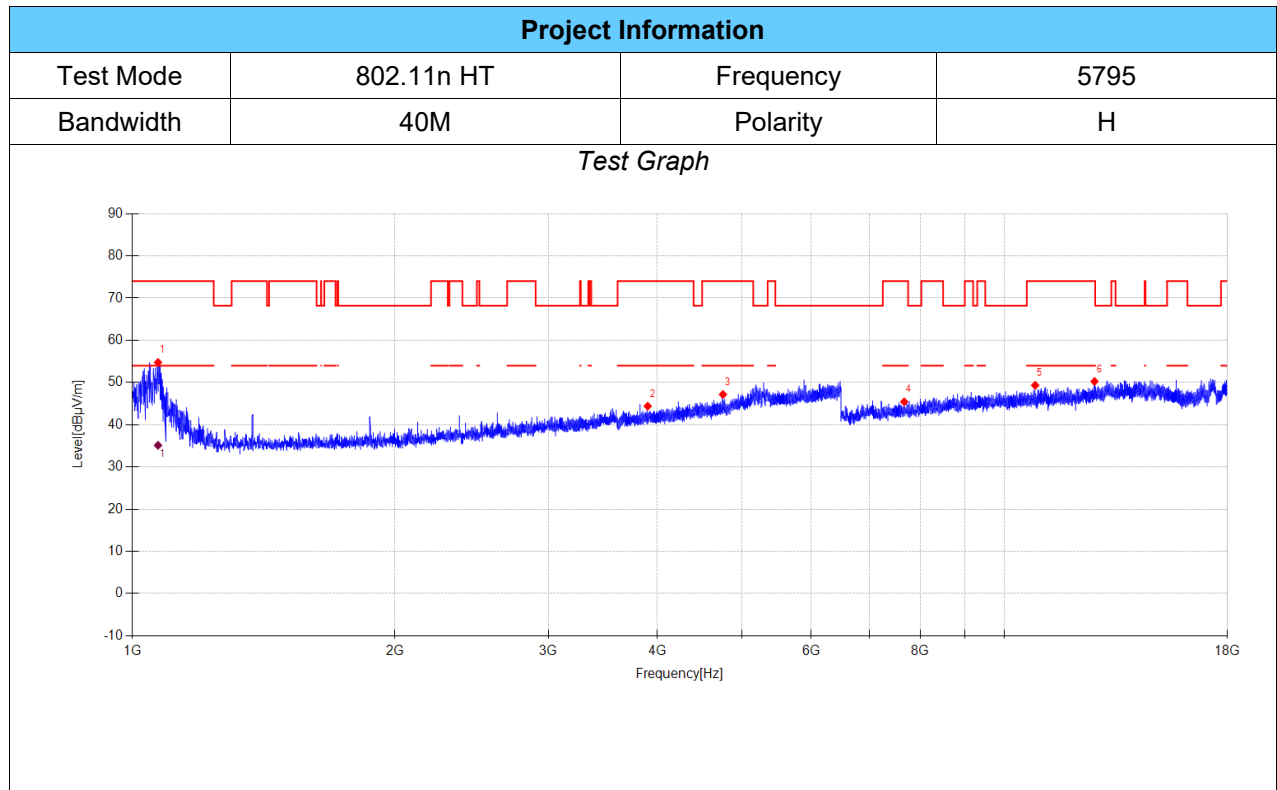
TX Radiated Test Result



Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1031.350	52.83	48.10	-4.73	74.00	25.90	PK	Vertical	PASS
2	4020.050	40.25	45.58	5.33	74.00	28.42	PK	Vertical	PASS
3	4654.200	39.38	46.58	7.20	74.00	27.42	PK	Vertical	PASS
4	8119.200	50.85	47.24	-3.61	74.00	26.76	PK	Vertical	PASS
5	11321.950	47.97	49.03	1.06	74.00	24.97	PK	Vertical	PASS
6	12391.450	46.73	48.90	2.17	74.00	25.10	PK	Vertical	PASS

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

TX Radiated Test Result

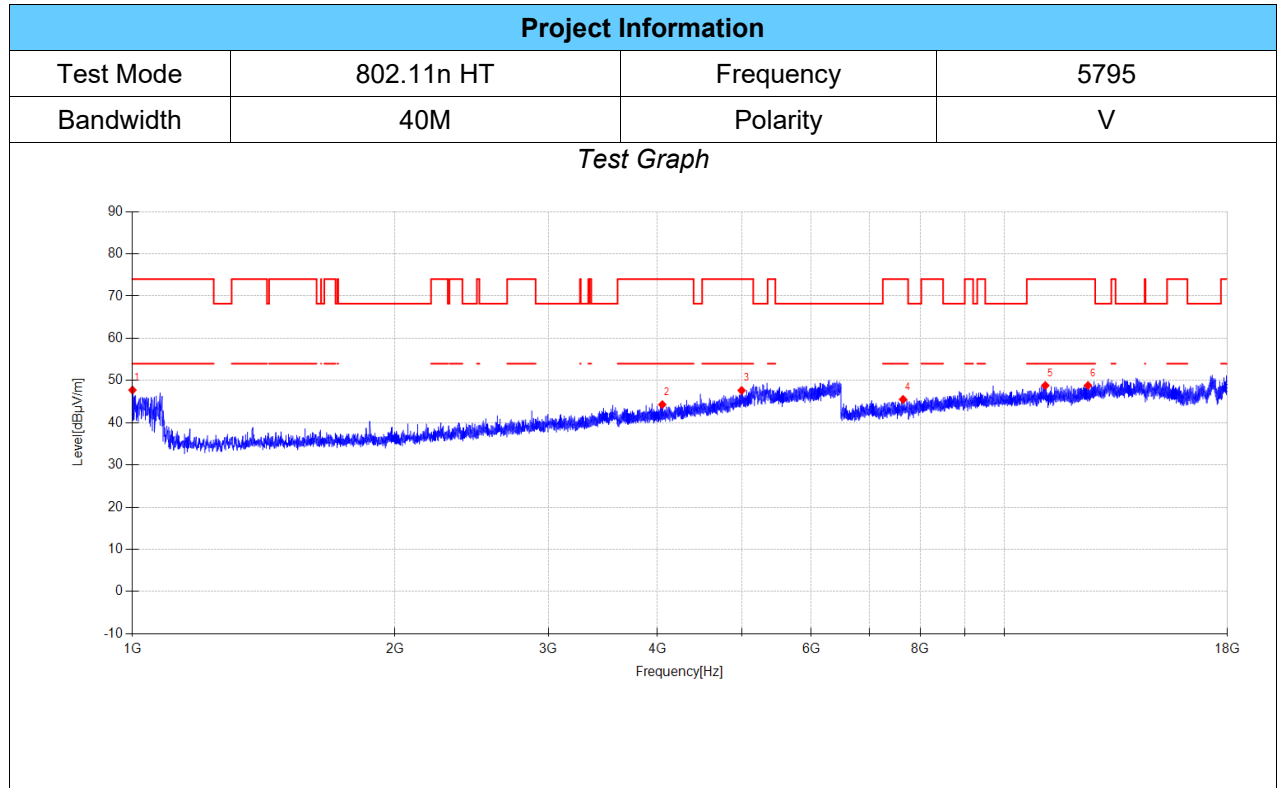


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1070.400	59.32	54.76	-4.56	74.00	19.24	PK	Horizontal	PASS
2	3897.950	39.38	44.40	5.02	74.00	29.60	PK	Horizontal	PASS
3	4753.750	39.67	47.16	7.49	74.00	26.84	PK	Horizontal	PASS
4	7671.850	49.61	45.43	-4.18	74.00	28.57	PK	Horizontal	PASS
5	10837.800	49.03	49.34	0.31	74.00	24.66	PK	Horizontal	PASS
6	12675.500	47.37	50.26	2.89	74.00	23.74	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	1070.400	-4.56	39.68	35.12	54.00	18.88	Horizontal	PASS

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

TX Radiated Test Result

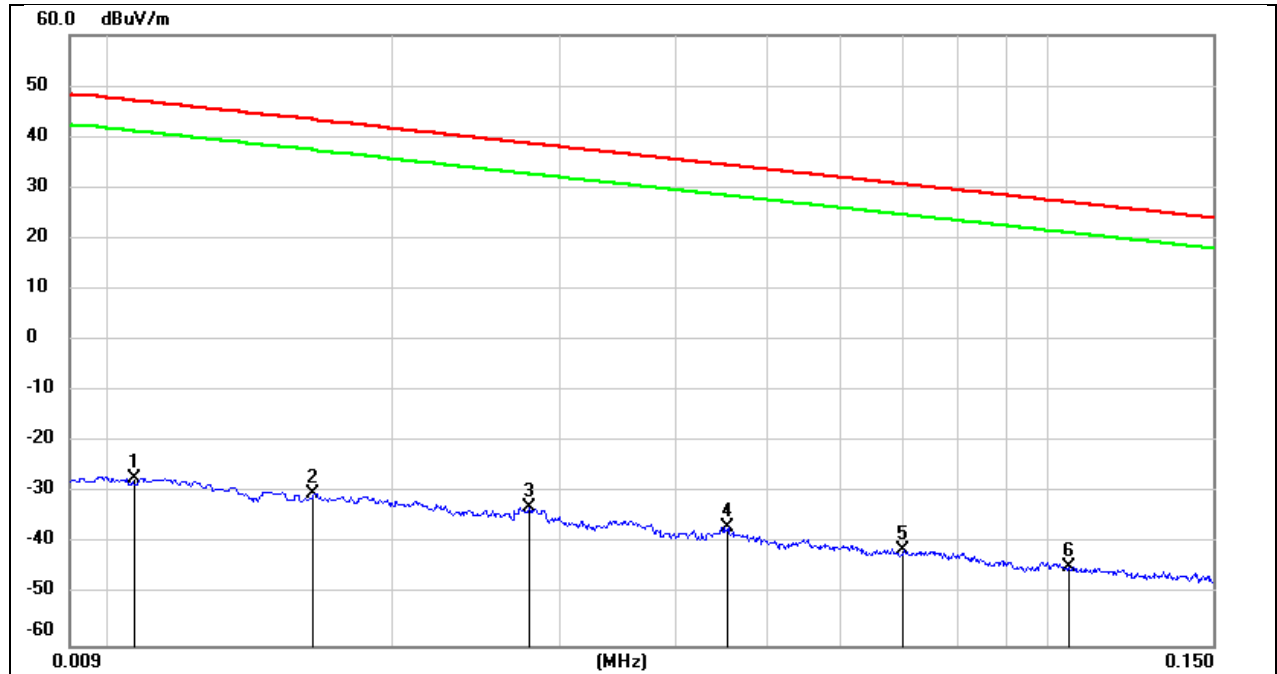


Peak Data List									
NO.	Frequency [MHz]	Reading [dBV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	1000.550	52.61	47.74	-4.87	74.00	26.26	PK	Vertical	PASS
2	4050.850	38.88	44.30	5.42	74.00	29.70	PK	Vertical	PASS
3	4994.100	38.66	47.65	8.99	74.00	26.35	PK	Vertical	PASS
4	7647.700	49.79	45.53	-4.26	74.00	28.47	PK	Vertical	PASS
5	11132.200	47.76	48.82	1.06	74.00	25.18	PK	Vertical	PASS
6	12459.300	46.52	48.83	2.31	74.00	25.17	PK	Vertical	PASS

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

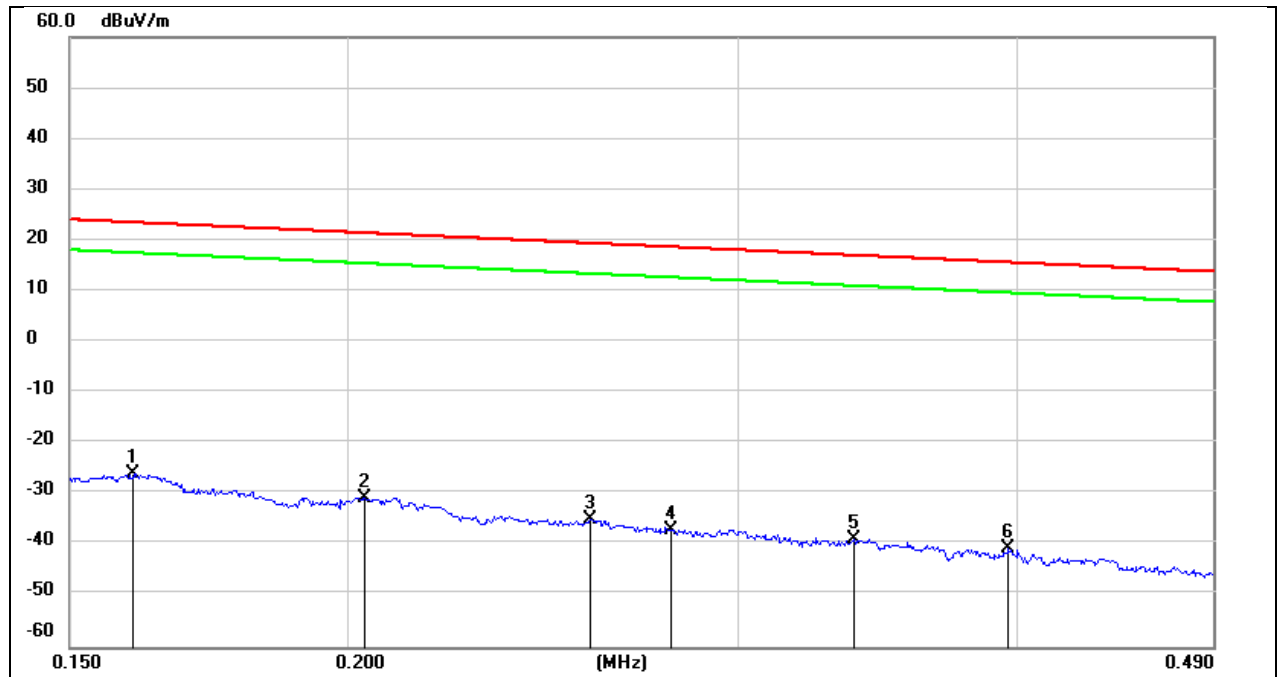
8.3. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11a20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



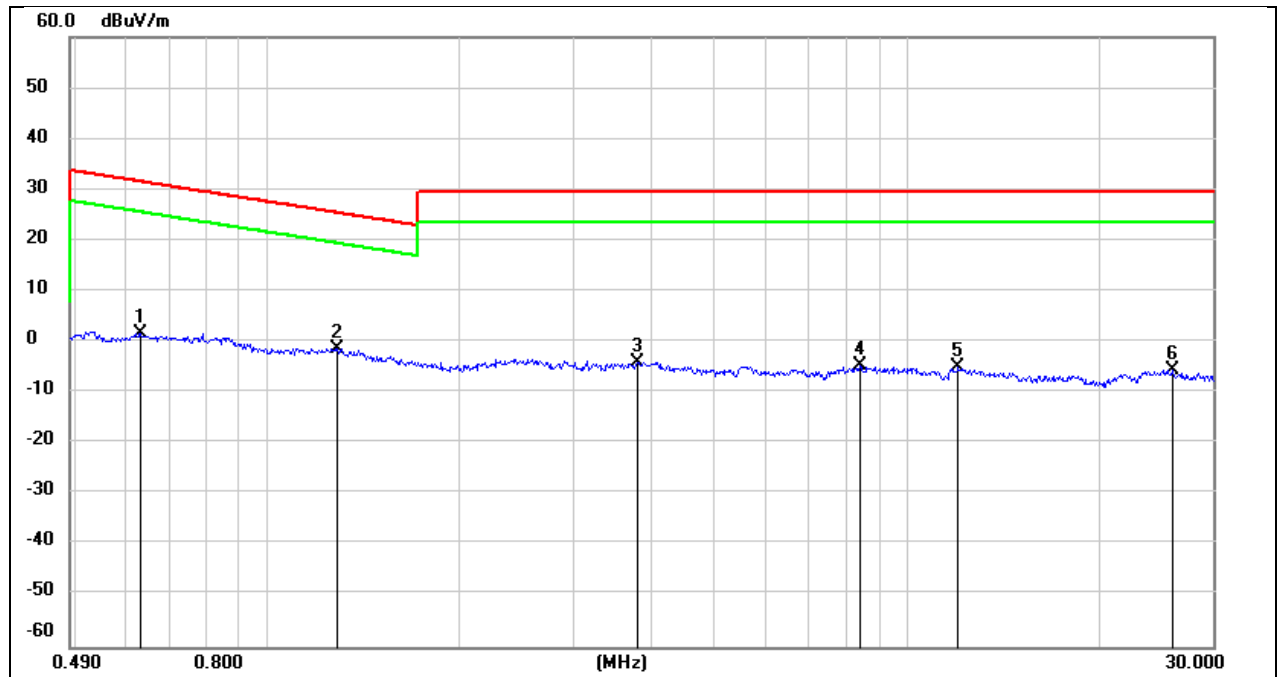
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0106	74.38	-101.39	-27.01	47.09	-74.10	peak
2	0.0164	71.11	-101.37	-30.26	43.30	-73.56	peak
3	0.0279	68.67	-101.38	-32.71	38.69	-71.40	peak
4	0.0454	64.73	-101.46	-36.73	34.46	-71.19	peak
5	0.0700	60.32	-101.57	-41.25	30.70	-71.95	peak
6	0.1053	57.31	-101.78	-44.47	27.16	-71.63	peak

Test Mode:	802.11a20	Frequency(MHz):	5785
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	0.1602	75.74	-101.65	-25.91	23.51	-49.42	peak
2	0.2036	71.04	-101.72	-30.68	21.42	-52.10	peak
3	0.2570	66.85	-101.80	-34.95	19.40	-54.35	peak
4	0.2796	64.91	-101.83	-36.92	18.67	-55.59	peak
5	0.3379	63.19	-101.90	-38.71	17.03	-55.74	peak
6	0.3966	61.18	-101.96	-40.78	15.63	-56.41	peak

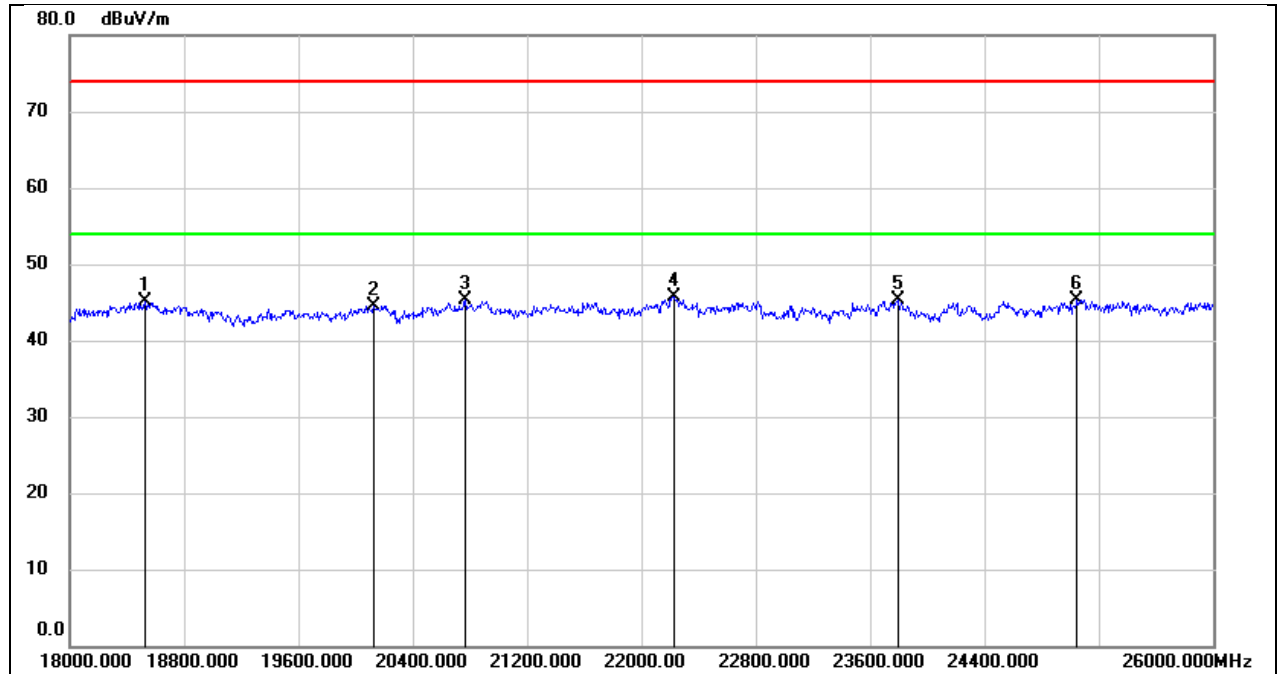
Test Mode:	802.11a20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.6320	63.69	-62.09	1.60	31.59	-29.99	peak
2	1.2862	60.83	-62.14	-1.31	25.42	-26.73	peak
3	3.7951	57.44	-61.38	-3.94	29.54	-33.48	peak
4	8.4282	56.33	-61.01	-4.68	29.54	-34.22	peak
5	12.0282	55.83	-60.89	-5.06	29.54	-34.60	peak
6	25.8978	54.76	-60.36	-5.60	29.54	-35.14	peak

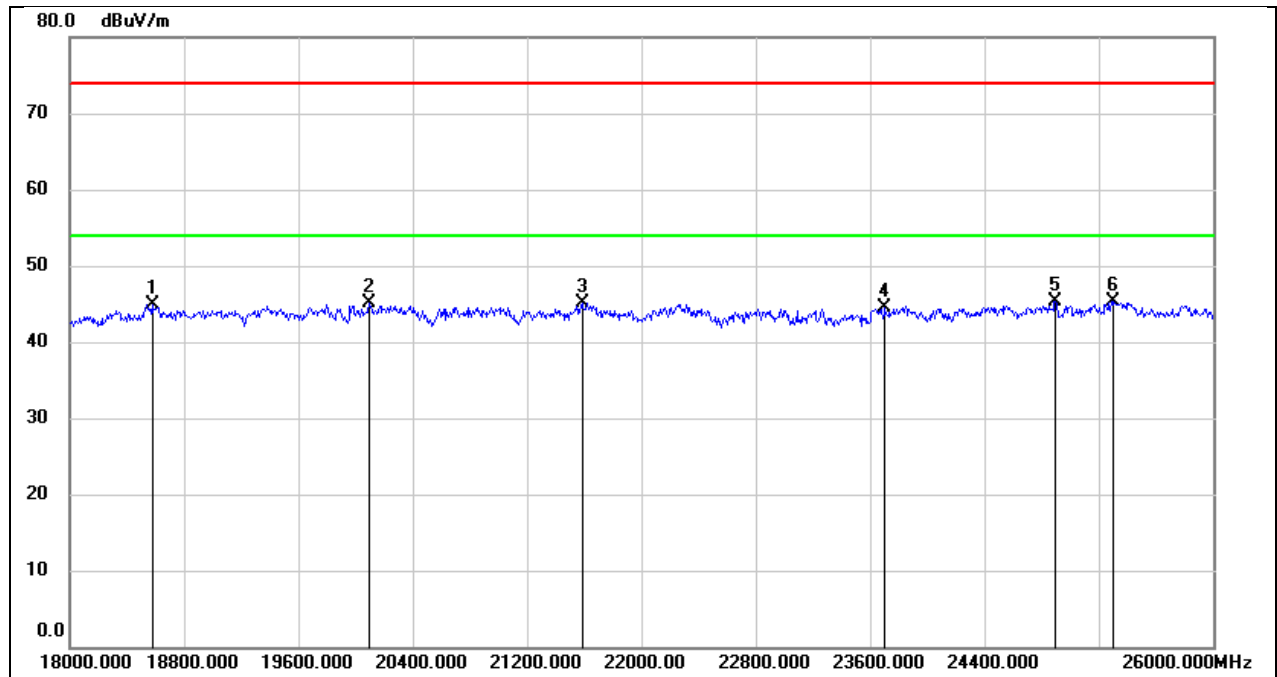
8.4. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5785
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	18528.000	50.41	-5.26	45.15	74.00	-28.85	peak
2	20128.000	50.12	-5.53	44.59	74.00	-29.41	peak
3	20768.000	50.31	-5.10	45.21	74.00	-28.79	peak
4	22232.000	49.89	-4.23	45.66	74.00	-28.34	peak
5	23800.000	48.41	-3.11	45.30	74.00	-28.70	peak
6	25048.000	47.27	-2.02	45.25	74.00	-28.75	peak

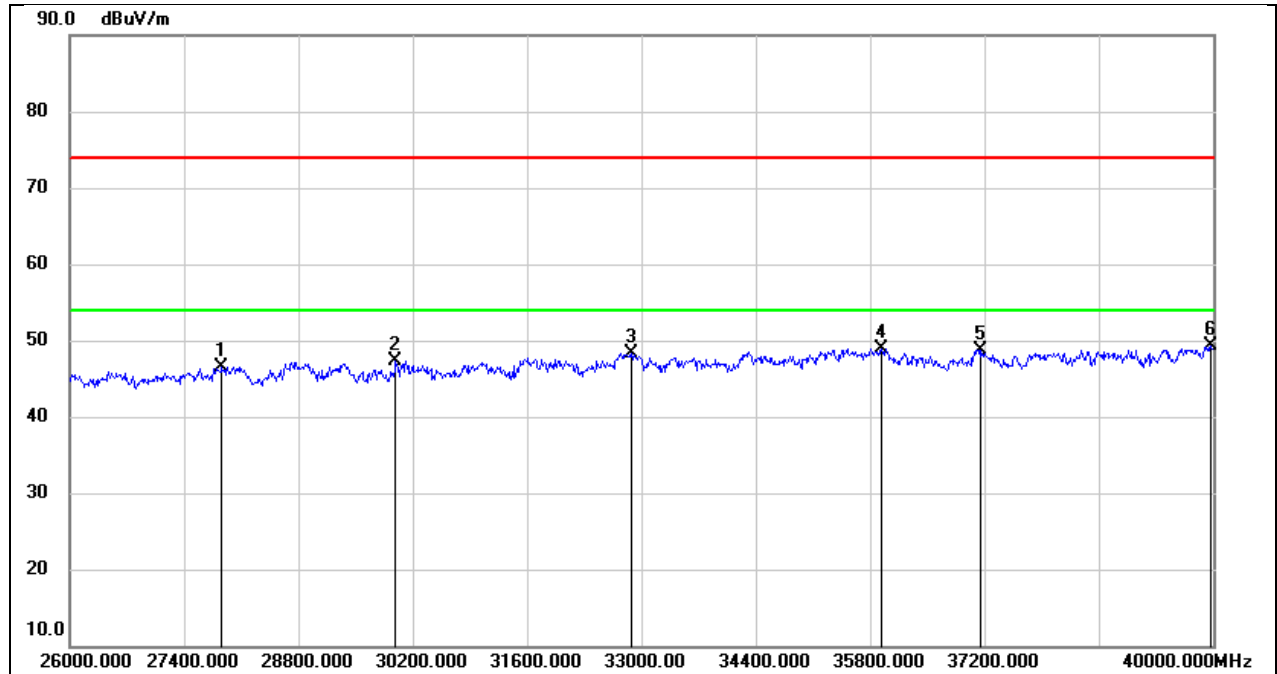
Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18576.000	50.29	-5.30	44.99	74.00	-29.01	peak
2	20096.000	50.60	-5.51	45.09	74.00	-28.91	peak
3	21584.000	49.60	-4.56	45.04	74.00	-28.96	peak
4	23704.000	47.68	-3.19	44.49	74.00	-29.51	peak
5	24896.000	47.55	-2.19	45.36	74.00	-28.64	peak
6	25304.000	47.08	-1.70	45.38	74.00	-28.62	peak

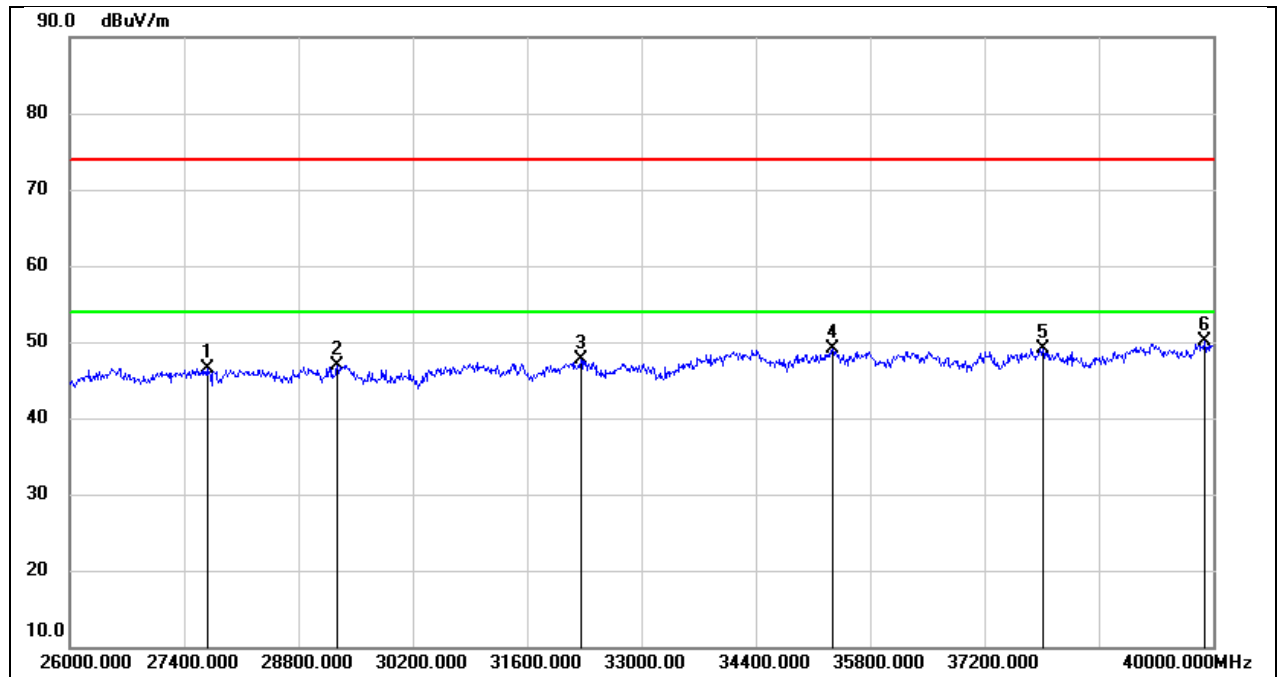
8.5. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5785
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	27862.000	50.38	-3.78	46.60	74.00	-27.40	peak
2	29990.000	48.56	-1.29	47.27	74.00	-26.73	peak
3	32874.000	49.24	-0.96	48.28	74.00	-25.72	peak
4	35940.000	45.08	3.91	48.99	74.00	-25.01	peak
5	37158.000	45.62	3.17	48.79	74.00	-25.21	peak
6	39972.000	44.08	5.13	49.21	74.00	-24.79	peak

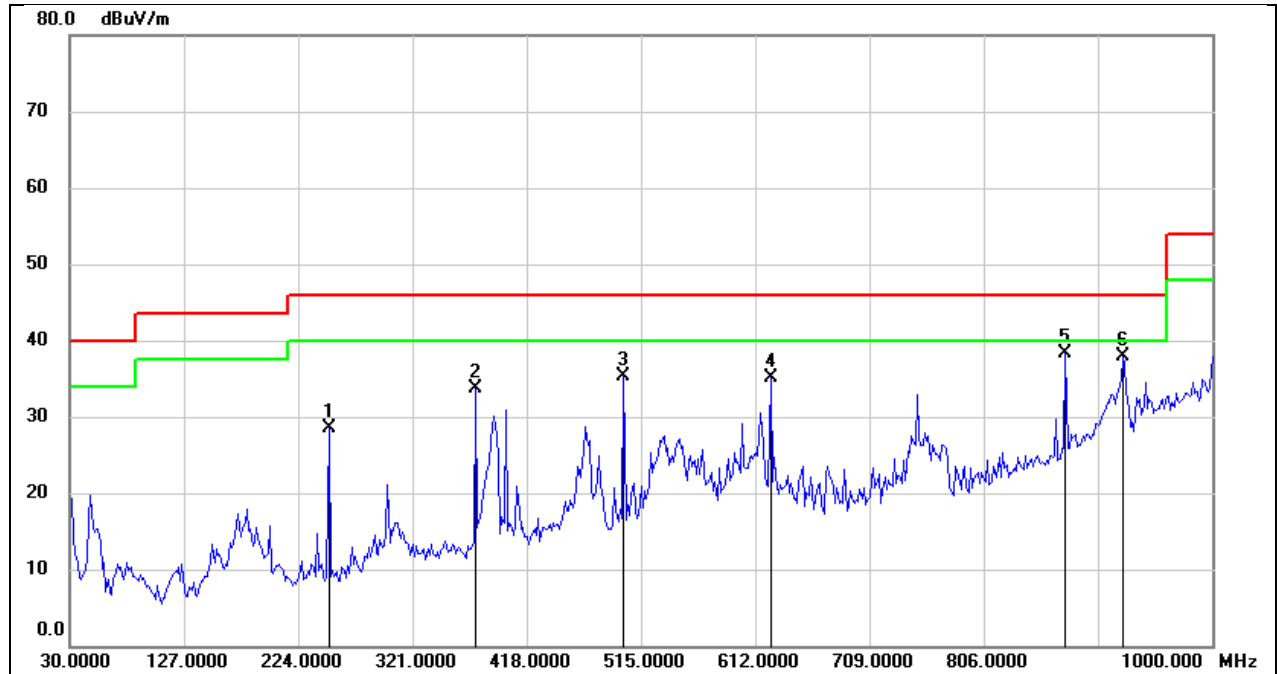
Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	27680.000	50.00	-3.51	46.49	74.00	-27.51	peak
2	29276.000	48.01	-1.01	47.00	74.00	-27.00	peak
3	32258.000	48.88	-1.20	47.68	74.00	-26.32	peak
4	35338.000	46.47	2.61	49.08	74.00	-24.92	peak
5	37914.000	45.69	3.40	49.09	74.00	-24.91	peak
6	39902.000	45.12	5.03	50.15	74.00	-23.85	peak

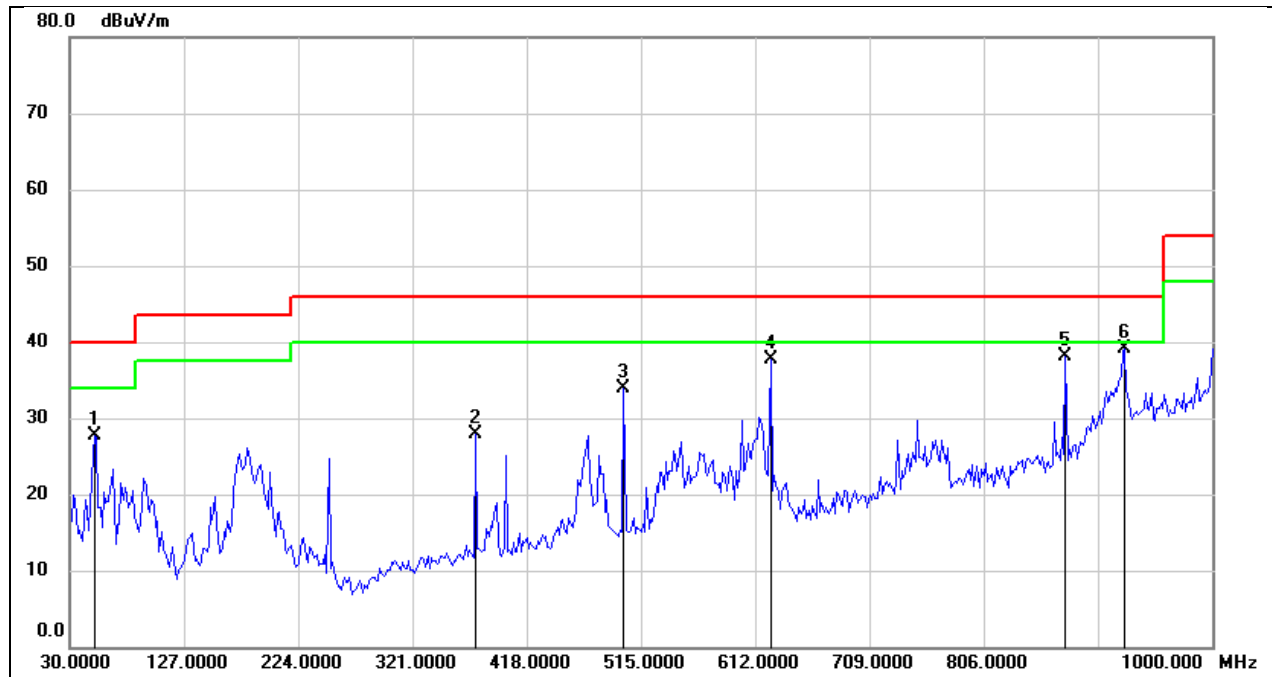
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11a 20 PK	Frequency(MHz):	5785
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	43.10	-14.60	28.50	46.00	-17.50	peak
2	374.3500	43.18	-9.49	33.69	46.00	-12.31	peak
3	500.4500	42.59	-7.24	35.35	46.00	-10.65	peak
4	624.9333	40.62	-5.46	35.16	46.00	-10.84	peak
5	875.5167	39.16	-0.89	38.27	46.00	-7.73	peak
6	924.0167	38.41	-0.51	37.90	46.00	-8.10	peak

Test Mode:	802.11a 20 PK	Frequency(MHz):	5785
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	42.97	-15.27	27.70	40.00	-12.30	peak
2	374.3500	37.49	-9.49	28.00	46.00	-18.00	peak
3	500.4500	41.16	-7.24	33.92	46.00	-12.08	peak
4	624.9333	43.09	-5.46	37.63	46.00	-8.37	peak
5	875.5167	39.04	-0.89	38.15	46.00	-7.85	peak
6	925.6333	39.67	-0.53	39.14	46.00	-6.86	peak

9. 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.

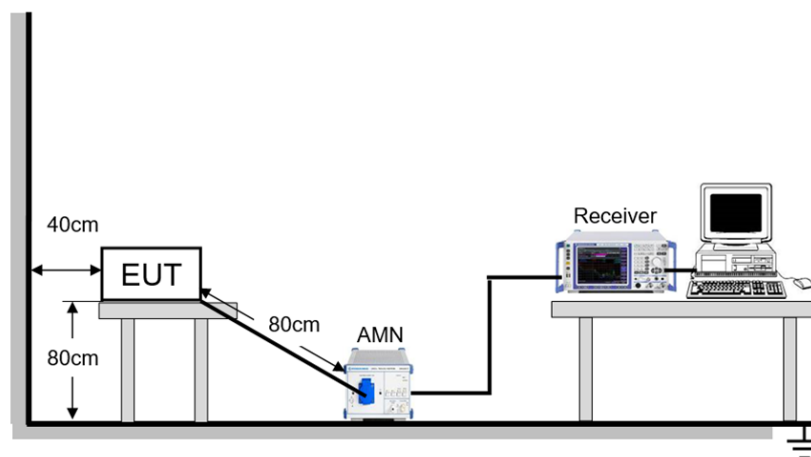
TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 6.2.

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

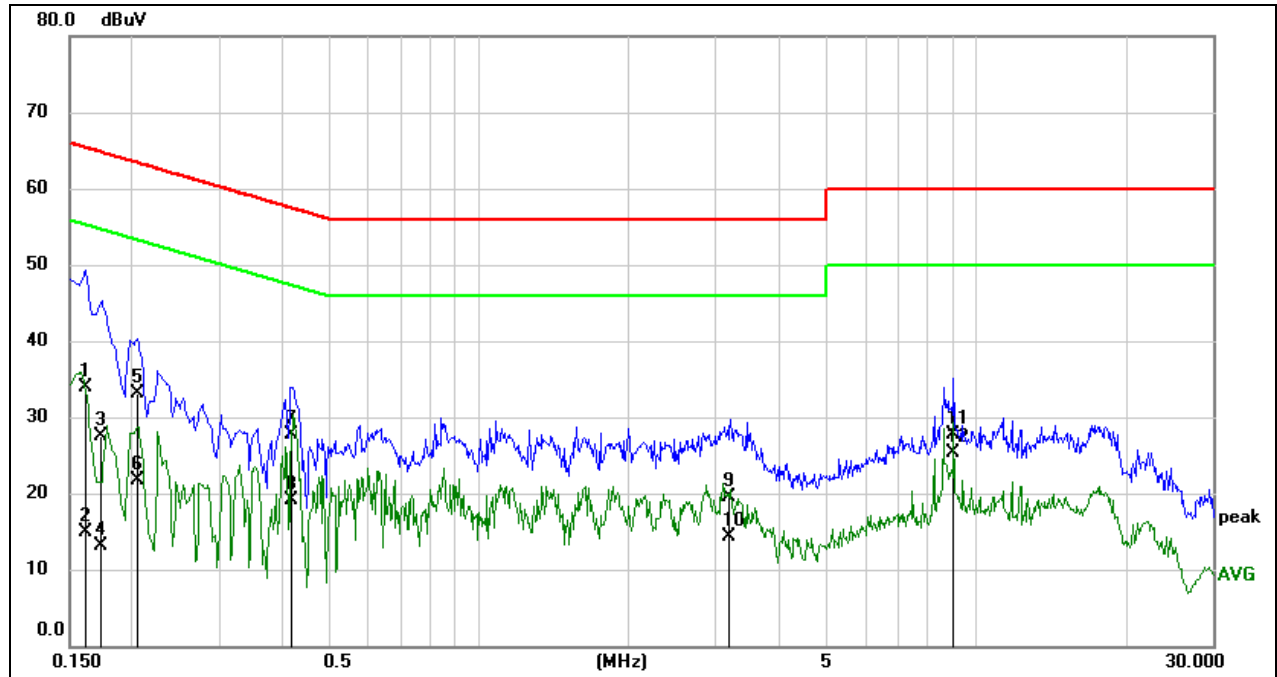
Temperature	24.4℃	Relative Humidity	54%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

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

Test Mode:	802.11a 20	Frequency(MHz):	5785
Line:	Line		



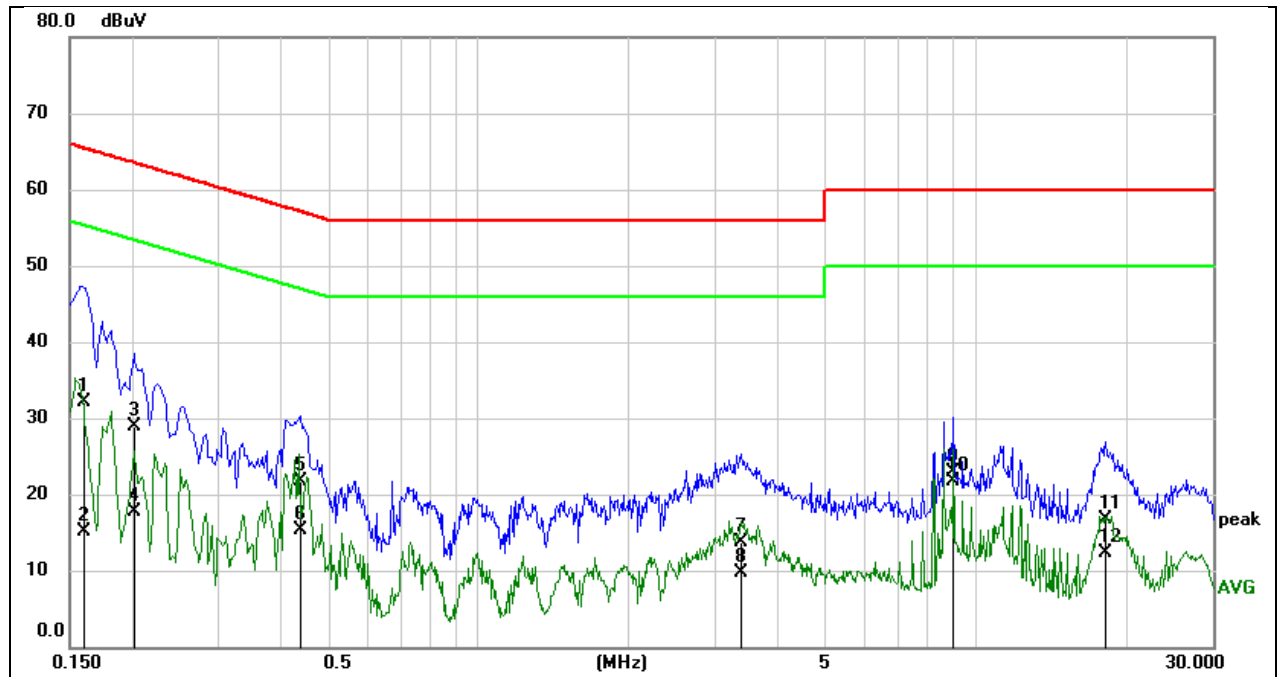
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1621	24.12	9.79	33.91	65.36	-31.45	QP
2	0.1621	5.18	9.79	14.97	55.36	-40.39	AVG
3	0.1730	17.83	9.75	27.58	64.82	-37.24	QP
4	0.1730	3.30	9.75	13.05	54.82	-41.77	AVG
5	0.2058	23.42	9.64	33.06	63.37	-30.31	QP
6	0.2058	11.98	9.64	21.62	53.37	-31.75	AVG
7	0.4198	17.98	9.71	27.69	57.45	-29.76	QP
8	0.4198	9.41	9.71	19.12	47.45	-28.33	AVG
9	3.1786	9.62	9.79	19.41	56.00	-36.59	QP
10	3.1786	4.60	9.79	14.39	46.00	-31.61	AVG
11	9.0202	18.04	9.70	27.74	60.00	-32.26	QP
12	9.0202	15.63	9.70	25.33	50.00	-24.67	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:	802.11a 20	Frequency(MHz):	5785
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1610	22.59	9.54	32.13	65.41	-33.28	QP
2	0.1610	5.62	9.54	15.16	55.41	-40.25	AVG
3	0.2017	19.35	9.54	28.89	63.54	-34.65	QP
4	0.2017	8.13	9.54	17.67	53.54	-35.87	AVG
5	0.4393	12.18	9.62	21.80	57.07	-35.27	QP
6	0.4393	5.67	9.62	15.29	47.07	-31.78	AVG
7	3.3928	4.05	9.67	13.72	56.00	-42.28	QP
8	3.3928	0.00	9.67	9.67	46.00	-36.33	AVG
9	9.0198	13.05	9.76	22.81	60.00	-37.19	QP
10	9.0198	11.90	9.76	21.66	50.00	-28.34	AVG
11	18.2749	6.83	9.81	16.64	60.00	-43.36	QP
12	18.2749	2.48	9.81	12.29	50.00	-37.71	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.

10. 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 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

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)
a	1.396	1.498	0.9319	93.19	0.31	0.72	1
n20	0.676	0.777	0.8700	87.00	0.60	1.48	2
n40	0.496	0.537	0.9236	92.36	0.34	2.02	3
ac80	0.086	0.106	0.8113	81.13	0.91	11.63	12

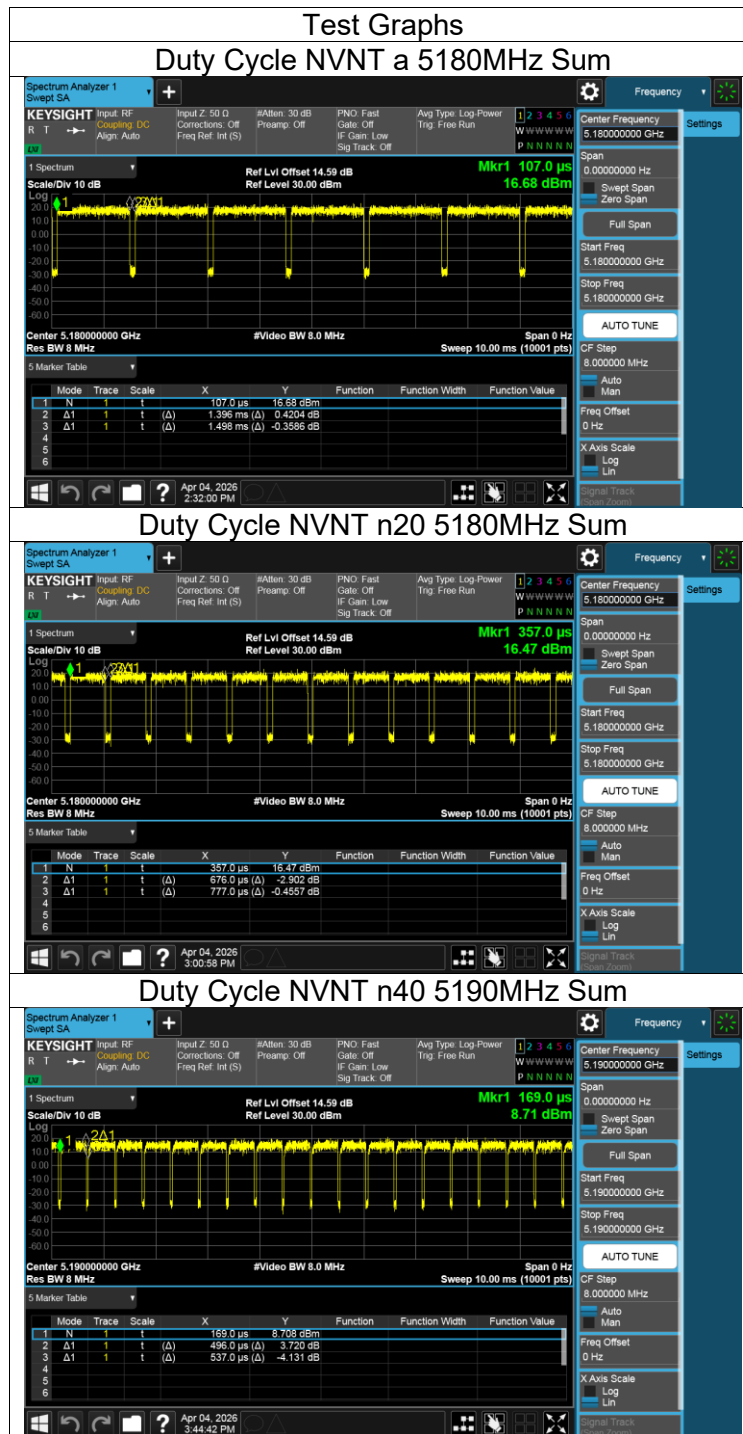
Note:

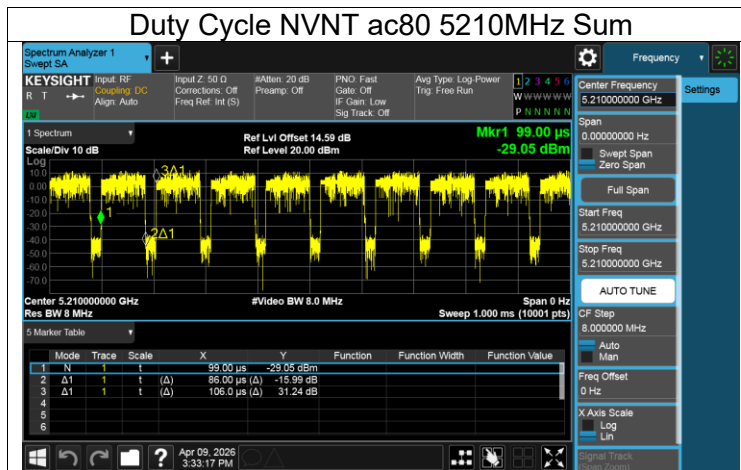
Duty Cycle Correction Factor= $10\log(1/x)$.

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.





Appendix B:Maximum Conducted Output Power

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	15.08	24	Pass
a	5180	Ant2	14.66	24	Pass
a	5180	Sum	17.89	24	Pass
a	5200	Ant1	14.97	24	Pass
a	5200	Ant2	14.77	24	Pass
a	5200	Sum	17.88	24	Pass
a	5240	Ant1	15.06	24	Pass
a	5240	Ant2	14.94	24	Pass
a	5240	Sum	18.01	24	Pass
a	5745	Ant1	15.23	30	Pass
a	5745	Ant2	15.38	30	Pass
a	5745	Sum	18.32	30	Pass
a	5785	Ant1	15.54	30	Pass
a	5785	Ant2	15.45	30	Pass
a	5785	Sum	18.51	30	Pass
a	5825	Ant1	15.58	30	Pass
a	5825	Ant2	15.29	30	Pass
a	5825	Sum	18.45	30	Pass
n20	5180	Ant1	14.35	24	Pass
n20	5180	Ant2	13.51	24	Pass
n20	5180	Sum	16.96	24	Pass
n20	5200	Ant1	14.52	24	Pass
n20	5200	Ant2	13.57	24	Pass
n20	5200	Sum	17.08	24	Pass
n20	5240	Ant1	14.28	24	Pass
n20	5240	Ant2	13.79	24	Pass
n20	5240	Sum	17.05	24	Pass
n20	5745	Ant1	15.51	30	Pass
n20	5745	Ant2	15.74	30	Pass
n20	5745	Sum	18.64	30	Pass
n20	5785	Ant1	15.33	30	Pass
n20	5785	Ant2	15.45	30	Pass
n20	5785	Sum	18.4	30	Pass
n20	5825	Ant1	15.07	30	Pass
n20	5825	Ant2	15.23	30	Pass
n20	5825	Sum	18.16	30	Pass
n40	5190	Ant1	12.35	24	Pass
n40	5190	Ant2	12.22	24	Pass
n40	5190	Sum	15.3	24	Pass
n40	5230	Ant1	12.39	24	Pass
n40	5230	Ant2	12.4	24	Pass
n40	5230	Sum	15.41	24	Pass
n40	5755	Ant1	15.62	30	Pass
n40	5755	Ant2	15.94	30	Pass
n40	5755	Sum	18.79	30	Pass
n40	5795	Ant1	15.8	30	Pass
n40	5795	Ant2	16.17	30	Pass
n40	5795	Sum	19	30	Pass

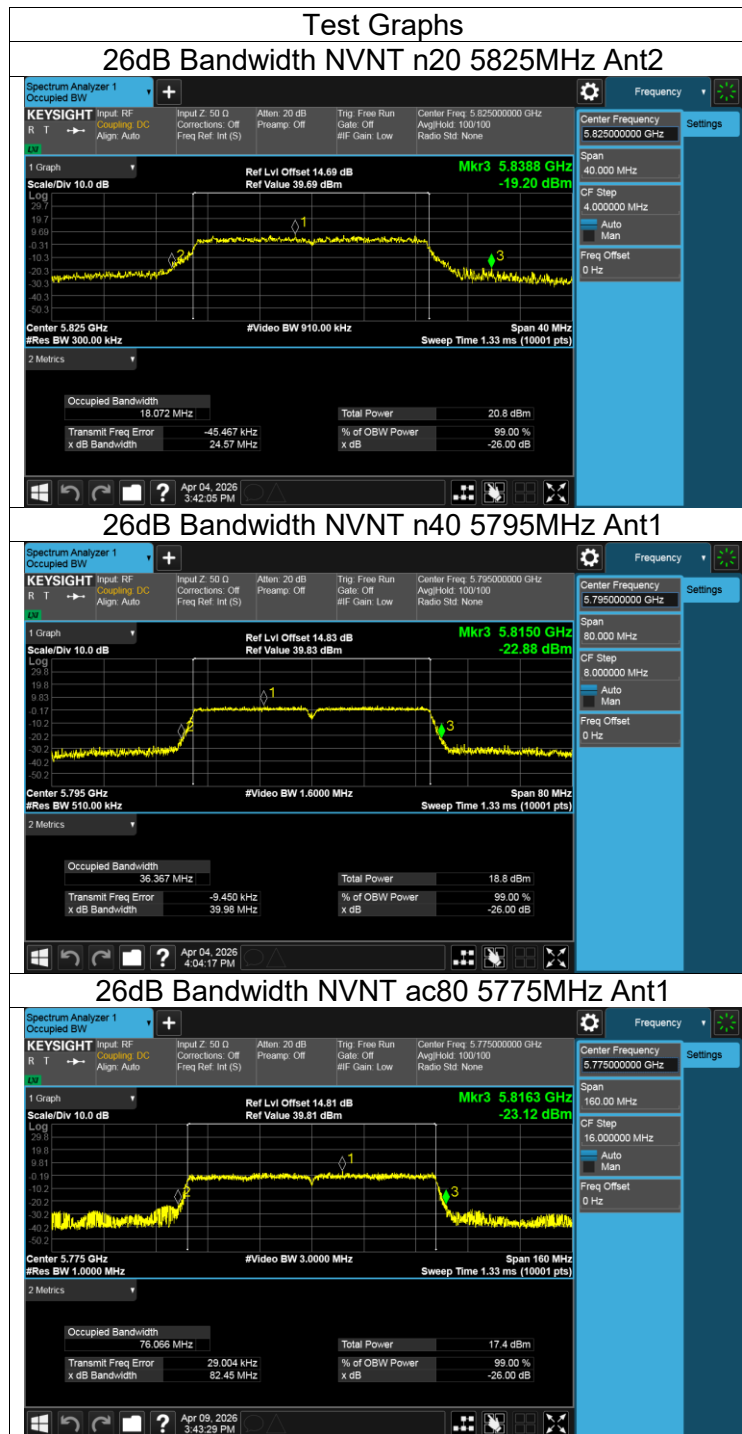
ac80	5210	Ant1	11.1	24	Pass
ac80	5210	Ant2	10.72	24	Pass
ac80	5210	Sum	13.92	24	Pass
ac80	5775	Ant1	14.99	30	Pass
ac80	5775	Ant2	15.16	30	Pass
ac80	5775	Sum	18.09	30	Pass

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

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

Appendix C:26dB Bandwidth

Mode	Frequency (MHz)	Antenna	26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	21.096	Pass
a	5180	Ant2	20.969	Pass
a	5200	Ant1	21.173	Pass
a	5200	Ant2	21.184	Pass
a	5240	Ant1	21.207	Pass
a	5240	Ant2	21.313	Pass
a	5745	Ant1	21.377	Pass
a	5745	Ant2	20.959	Pass
a	5785	Ant1	21.177	Pass
a	5785	Ant2	21.309	Pass
a	5825	Ant1	21.177	Pass
a	5825	Ant2	21.105	Pass
n20	5180	Ant1	21.443	Pass
n20	5180	Ant2	21.233	Pass
n20	5200	Ant1	21.064	Pass
n20	5200	Ant2	21.456	Pass
n20	5240	Ant1	21.383	Pass
n20	5240	Ant2	21.482	Pass
n20	5745	Ant1	21.355	Pass
n20	5745	Ant2	21.561	Pass
n20	5785	Ant1	21.6	Pass
n20	5785	Ant2	21.046	Pass
n20	5825	Ant1	21.922	Pass
n20	5825	Ant2	24.568	Pass
n40	5190	Ant1	39.586	Pass
n40	5190	Ant2	39.052	Pass
n40	5230	Ant1	39.575	Pass
n40	5230	Ant2	39.123	Pass
n40	5755	Ant1	39.699	Pass
n40	5755	Ant2	39.293	Pass
n40	5795	Ant1	39.981	Pass
n40	5795	Ant2	39.77	Pass
ac80	5210	Ant1	81.499	Pass
ac80	5210	Ant2	80.806	Pass
ac80	5775	Ant1	82.454	Pass
ac80	5775	Ant2	81.458	Pass

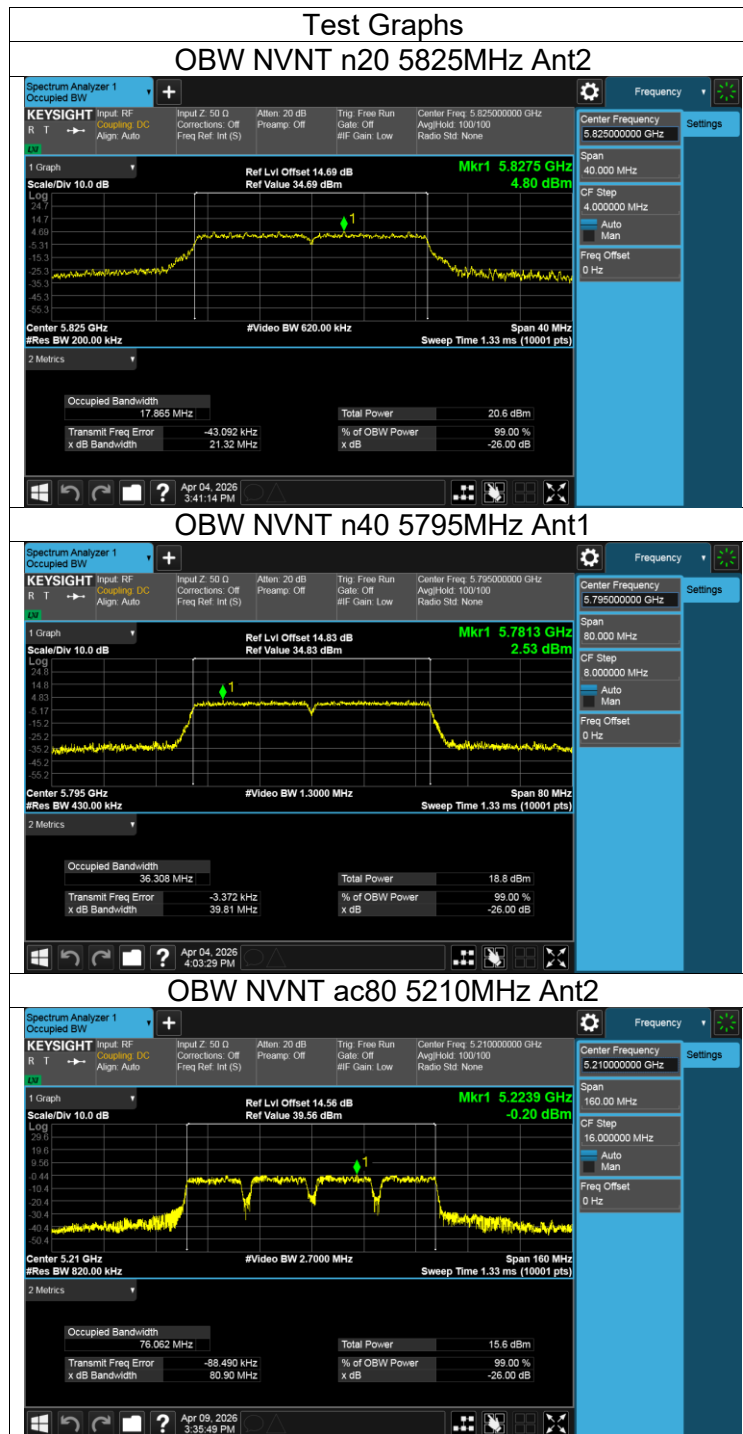


Note:

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 802.11a/n HT20 modes.
3. RBW setting to 510kHz is used in 802.11n HT40 mode.
4. RBW setting to 1MHz is used in 802.11ac VHT80 mode.

Appendix D:Occupied Channel Bandwidth

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.611
a	5180	Ant2	16.542
a	5200	Ant1	16.565
a	5200	Ant2	16.528
a	5240	Ant1	16.546
a	5240	Ant2	16.534
a	5745	Ant1	16.574
a	5745	Ant2	16.522
a	5785	Ant1	16.541
a	5785	Ant2	16.562
a	5825	Ant1	16.554
a	5825	Ant2	16.539
n20	5180	Ant1	17.678
n20	5180	Ant2	17.676
n20	5200	Ant1	17.68
n20	5200	Ant2	17.676
n20	5240	Ant1	17.679
n20	5240	Ant2	17.716
n20	5745	Ant1	17.719
n20	5745	Ant2	17.687
n20	5785	Ant1	17.671
n20	5785	Ant2	17.657
n20	5825	Ant1	17.852
n20	5825	Ant2	17.865
n40	5190	Ant1	36.175
n40	5190	Ant2	36.135
n40	5230	Ant1	36.128
n40	5230	Ant2	36.106
n40	5755	Ant1	36.118
n40	5755	Ant2	36.109
n40	5795	Ant1	36.308
n40	5795	Ant2	36.307
ac80	5210	Ant1	75.921
ac80	5210	Ant2	76.062
ac80	5775	Ant1	75.95
ac80	5775	Ant2	75.971

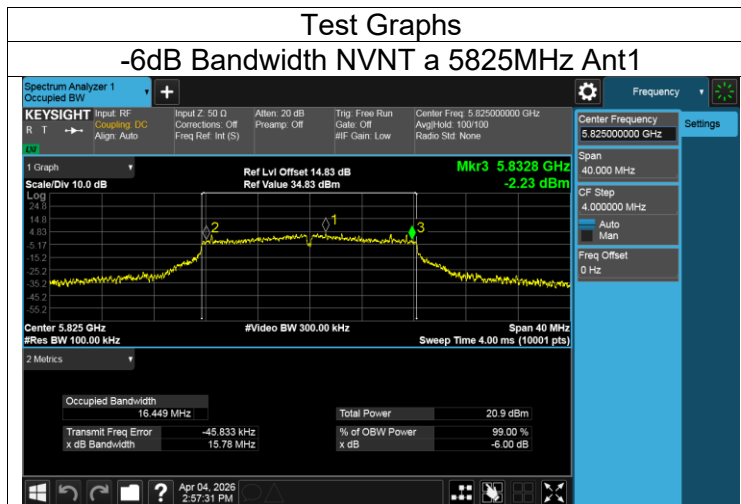


Note:

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 802.11a/n HT20 modes.
3. RBW setting to 430kHz is used in 802.11n HT40 modes.
4. RBW setting to 820kHz is used in 802.11ac VHT80 modes.

Appendix E:6dB Bandwidth

Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.301	≥0.5	Pass
a	5745	Ant2	16.289	≥0.5	Pass
a	5785	Ant1	16.294	≥0.5	Pass
a	5785	Ant2	16.295	≥0.5	Pass
a	5825	Ant1	15.781	≥0.5	Pass
a	5825	Ant2	16.294	≥0.5	Pass
n20	5745	Ant1	16.912	≥0.5	Pass
n20	5745	Ant2	17.517	≥0.5	Pass
n20	5785	Ant1	17.295	≥0.5	Pass
n20	5785	Ant2	16.931	≥0.5	Pass
n20	5825	Ant1	17.604	≥0.5	Pass
n20	5825	Ant2	17.603	≥0.5	Pass
n40	5755	Ant1	35.734	≥0.5	Pass
n40	5755	Ant2	35.725	≥0.5	Pass
n40	5795	Ant1	36.076	≥0.5	Pass
n40	5795	Ant2	36.35	≥0.5	Pass
ac80	5775	Ant1	75.818	≥0.5	Pass
ac80	5775	Ant2	75.502	≥0.5	Pass



Note:

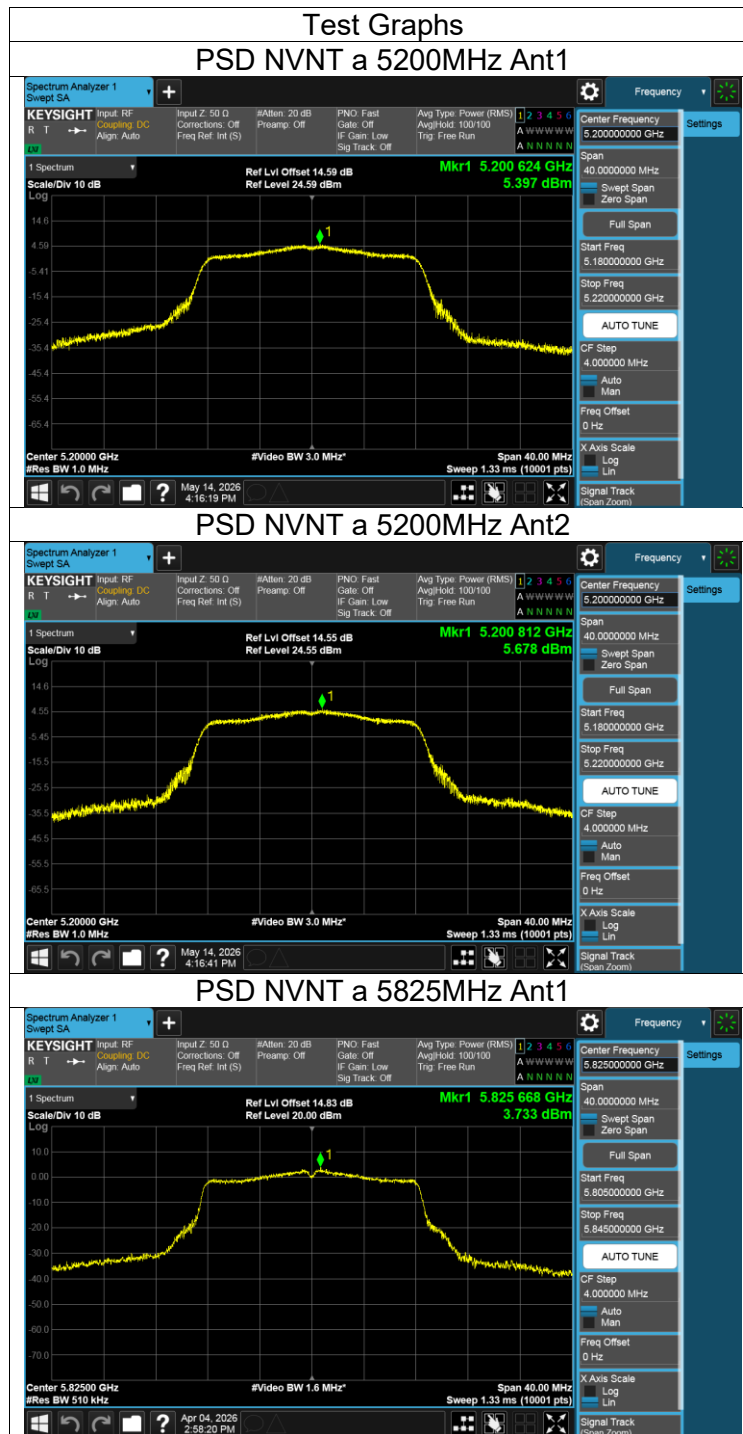
1. Only the worst data plots were reported to show setting parameter compliance with testing method/procedure.
2. For all modes, RBW setting to 100kHz is used on 6dB bandwidth measurement.

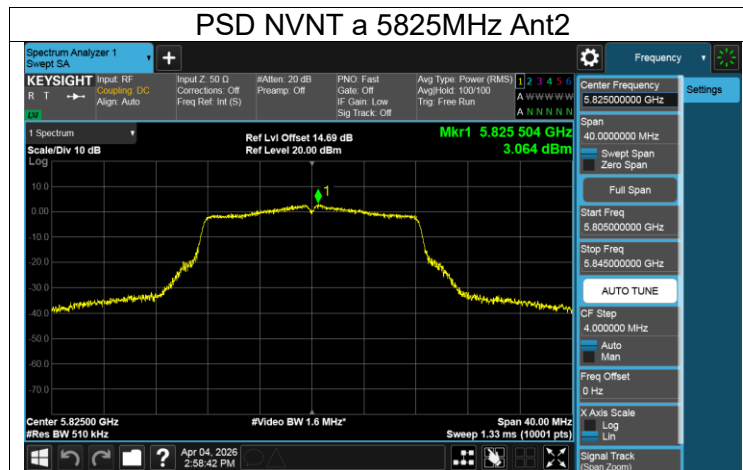
Appendix F:Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	5.17	0.31	5.48	9.96	Pass
a	5180	Ant2	5.14	0.31	5.45	9.96	Pass
a	5180	Sum	8.17	0.31	8.48	9.96	Pass
a	5200	Ant1	5.4	0.31	5.71	9.96	Pass
a	5200	Ant2	5.68	0.31	5.99	9.96	Pass
a	5200	Sum	8.55	0.31	8.86	9.96	Pass
a	5240	Ant1	5.48	0.31	5.79	9.96	Pass
a	5240	Ant2	5.47	0.31	5.78	9.96	Pass
a	5240	Sum	8.49	0.31	8.8	9.96	Pass
a	5745	Ant1	2.84	0.31	3.15	28.96	Pass
a	5745	Ant2	3.09	0.31	3.4	28.96	Pass
a	5745	Sum	5.98	0.31	6.29	28.96	Pass
a	5785	Ant1	3.58	0.31	3.89	28.96	Pass
a	5785	Ant2	3.05	0.31	3.36	28.96	Pass
a	5785	Sum	6.33	0.31	6.64	28.96	Pass
a	5825	Ant1	3.73	0.31	4.04	28.96	Pass
a	5825	Ant2	3.06	0.31	3.37	28.96	Pass
a	5825	Sum	6.42	0.31	6.73	28.96	Pass
n20	5180	Ant1	3.73	0.6	4.33	9.96	Pass
n20	5180	Ant2	3.42	0.6	4.02	9.96	Pass
n20	5180	Sum	6.59	0.6	7.19	9.96	Pass
n20	5200	Ant1	3.68	0.6	4.28	9.96	Pass
n20	5200	Ant2	2.94	0.6	3.54	9.96	Pass
n20	5200	Sum	6.34	0.6	6.94	9.96	Pass
n20	5240	Ant1	3.73	0.6	4.33	9.96	Pass
n20	5240	Ant2	3.35	0.6	3.95	9.96	Pass
n20	5240	Sum	6.55	0.6	7.15	9.96	Pass
n20	5745	Ant1	2.85	0.6	3.45	28.96	Pass
n20	5745	Ant2	3.03	0.6	3.63	28.96	Pass
n20	5745	Sum	5.95	0.6	6.55	28.96	Pass
n20	5785	Ant1	2.95	0.6	3.55	28.96	Pass
n20	5785	Ant2	2.91	0.6	3.51	28.96	Pass
n20	5785	Sum	5.94	0.6	6.54	28.96	Pass
n20	5825	Ant1	0.79	0.6	1.39	28.96	Pass
n20	5825	Ant2	0.72	0.6	1.32	28.96	Pass
n20	5825	Sum	3.77	0.6	4.37	28.96	Pass
n40	5190	Ant1	0.46	0.35	0.81	9.96	Pass
n40	5190	Ant2	0.86	0.35	1.21	9.96	Pass
n40	5190	Sum	3.67	0.35	4.02	9.96	Pass
n40	5230	Ant1	0.52	0.35	0.87	9.96	Pass
n40	5230	Ant2	0.67	0.35	1.02	9.96	Pass
n40	5230	Sum	3.61	0.35	3.96	9.96	Pass
n40	5755	Ant1	-1.06	0.35	-0.71	28.96	Pass
n40	5755	Ant2	-0.67	0.35	-0.32	28.96	Pass
n40	5755	Sum	2.15	0.35	2.5	28.96	Pass
n40	5795	Ant1	1.13	0.35	1.48	28.96	Pass

n40	5795	Ant2	1.26	0.35	1.61	28.96	Pass
n40	5795	Sum	4.21	0.35	4.56	28.96	Pass
ac80	5210	Ant1	-6.06	0.91	-5.15	9.96	Pass
ac80	5210	Ant2	-8.61	0.91	-7.7	9.96	Pass
ac80	5210	Sum	-4.14	0.91	-3.23	9.96	Pass
ac80	5775	Ant1	-3.92	0.91	-3.01	28.96	Pass
ac80	5775	Ant2	-6.55	0.91	-5.64	28.96	Pass
ac80	5775	Sum	-2.03	0.91	-1.12	28.96	Pass

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.





Note:

1. Only Low channel plot is reported to show setting parameter compliance with testing method/procedure.
2. For all modes, RBW setting to 1MHz is used on PSD measurement in UNII-1.
3. For all modes, RBW setting to 510kHz is used on PSD measurement in UNII-3.

Appendix G: Frequency Stability

Frequency Error vs. Voltage									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5179.9750	-4.82	5179.9793	-4.00	5179.9902	-1.88	5180.0102	1.97
TN	VN	5180.0199	3.84	5180.0045	0.87	5179.9912	-1.69	5179.9801	-3.85
TN	VH	5179.9857	-2.76	5180.0138	2.66	5179.9855	-2.79	5179.9871	-2.48
Frequency Error vs. Temperature									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
85	VN	5180.0164	3.16	5180.0148	2.85	5180.0117	2.26	5179.9953	-0.90
70	VN	5180.0002	0.04	5180.0117	2.26	5179.9762	-4.59	5180.0026	0.49
60	VN	5179.9876	-2.39	5179.9754	-4.75	5179.9780	-4.24	5179.9751	-4.80
50	VN	5180.0131	2.53	5179.9903	-1.87	5180.0103	1.98	5180.0175	3.39
40	VN	5180.0146	2.82	5180.0130	2.50	5180.0032	0.63	5180.0246	4.75
30	VN	5179.9905	-1.84	5180.0195	3.76	5180.0153	2.96	5179.9973	-0.52
20	VN	5180.0184	3.55	5179.9858	-2.74	5180.0168	3.25	5179.9873	-2.45
10	VN	5180.0173	3.33	5180.0111	2.15	5179.9954	-0.89	5179.9994	-0.11
0	VN	5179.9923	-1.48	5179.9954	-0.89	5180.0247	4.76	5180.0176	3.39
-10	VN	5180.0078	1.50	5179.9761	-4.62	5179.9862	-2.67	5180.0186	3.60
-20	VN	5180.0025	0.49	5180.0124	2.39	5180.0034	0.66	5179.9864	-2.62
-30	VN	5179.9945	-1.07	5179.9971	-0.57	5179.9977	-0.44	5180.0222	4.29
-40	VN	5180.0194	3.74	5180.0011	0.21	5180.0158	3.05	5179.9771	-4.42

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

END OF REPORT