



# FCC RADIO TEST REPORT

FCC ID	:	TVE-240604
Equipment	:	Network Security Gateway
Brand Name	:	
Model Name	:	FortiWiFi 70Gxxxxxxxxx, FORTIWIFI-70Gxxxxxxxxx, FWF-70Gxxxxxxxxx,
		FortiWiFi 71Gxxxxxxxxx, FORTIWIFI-71Gxxxxxxxxx, FWF-71Gxxxxxxxxx
		(where "x" can be used as "0-9", or "A-Z", or "-", or blank for software changes or marketing purposes only)
Applicant	:	Fortinet Inc.
		909 Kifer Rd., Sunnyvale, CA 94086, United States
Manufacturer	:	Fortinet Inc.
		909 Kifer Rd., Sunnyvale, CA 94086, United States
Standard	:	FCC PART 15 Subpart C §15.247

The product was received on Jun. 15, 2024 and testing was performed from Jul. 04, 2024 to Aug. 09, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

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Report Template No.: BU5-FR15CWLAC MA Version 2.4	

Page Number: 1 of 28Issue Date: Oct. 09, 2024Report Version: 01



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# History of this test report

Report No.	Version	Description	Issue Date
FR452223B	01	Initial issue of report	Oct. 09, 2024



# Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.247(b)	Power Output Measurement		
3.3	15.247(e)	Power Spectral Density	ower Spectral Density Pass	
3.4	15 047(d)	Conducted Band Edges	Pass	-
3.4	15.247(d)	Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	1.15 dB under the limit at 2389.88 MHz
3.6	15.207	AC Conducted Emission	AC Conducted Emission Pass	
3.7	15.203	Antenna Requirement	Pass	-

#### Conformity Assessment Condition:

 The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

#### Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

#### Reviewed by: Yun Huang Report Producer: Mila Chen

<sup>2.</sup> The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".



# **1** General Description

# **1.1 Product Feature of Equipment Under Test**

Product Feature			
General Specs			
Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax.			
Antenna Type			
WLAN:			
<ant. 1="">: Dipole Antenna</ant.>			
<ant. 2="">: Dipole Antenna</ant.>			
<ant. 3="">: Dipole Antenna</ant.>			
Bluetooth-LE: Monopole Antenna			
Antenna information			

Antenna information					
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	Ant. 1: 3.24 Ant. 2: 3.24 Ant. 3: 3.24			

#### Remark:

- 1. Antenna 3 is used for receiving only.
- 2. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

Model differences description					
Model Feature	FWF-71G	FWF-70G			
M.2 SSD	V	Х			

Remark: All the tests were performed with Model: FWF-71G



# 1.1.1 Antenna Directional Gain

#### <For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii) Directional gain =  $G_{ANT}$  + Array Gain, where Array Gain is as follows: For power measurements on IEEE 802.11 devices, Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \le 4$ .  $G_{ANT}$  is set equal to the gain of the antenna having the highest gain. For PSD measurements, the directional gain calculation.

Array Gain = 10 log(NANT/NSS) dB.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 1	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4GHz	3.24	3.24	3.24	6.25	0.00	0.25

Calculation example:

If a device has two antenna, G<sub>ANT1</sub>= 3.24dBi; G<sub>ANT2</sub>=3.24dBi

Directional gain of power measurement = max(3.24, 3.24) + 0 = 3.24 dBi

Directional gain of PSD derived from formula which is

10 x log { { [ 10^ (3.24 dBi / 20) + 10^ (3.24 dBi / 20) ] ^ 2 } / 2 }

= 6.25 dBi

Power limit reduction = Composite gain - 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain - 6dBi, (min = 0)



#### <TXBF Modes>

The EUT supports beamforming modes , then

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)e)ii)

Directional gain = GANT + 10 log(NANT/NSS) dBi,

where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 1	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4GHz	3.24	3.24	6.25	6.25	0.25	0.25

Calculation example:

Directional gain is derived from formula which is

10 x log { { [ 10^ (3.24 dBi / 20) + 10^ (3.24 dBi / 20) ] ^ 2 } / 2 }

= 6.25 dBi

Power and PSD limit reduction = Composite gain - 6dBi, (min = 0)

# **1.2 Modification of EUT**

No modifications made to the EUT during the testing.



# **1.3 Testing Location**

Test Site	Sporton International Inc. Wensan Laboratory		
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855		
Test Site No.	Sporton Site No.		
Test Sile NO.	TH05-HY, CO07-HY, 03CH22-HY		

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW3786

# 1.4 Applicable Standards

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

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

#### Remark:

- 1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.

# 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in two antenna degrees (Ant. degrees 0 and Ant. Degrees 90), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

# 2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
	1	2412	7	2442
2400-2483.5 MHz	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		



# 2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for TXBF mode is smaller than CDD mode, so all other conducted and radiated test is covered by CDD mode.

#### The final test modes include the worst data rates for each modulation shown in the table below.

#### **CDD Mode**

Modulation	Data Rate		
802.11b	1 Mbps		
802.11g	6 Mbps		
802.11n HT20	MCS0		
802.11n HT40	MCS0		
802.11ax HE20	MCS0		
802.11ax HE40	MCS0		

#### TXBF Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0

	Test Cases					
AC						
Conducted	Mode 1 :Bluetooth-LE Link + WLAN (2.4GHz) Link + Adapter					
Emission						



Ch. #	2400-2483.5 MHz						
Cn. #	802.11b 802.11g 802.11n HT20 802.11n HT4						
Low	01	01	01	03			
Low	-	02	-	-			
Middle	06	06	06	06			
Middle	-	10	-	-			
High	11	11	11	09			

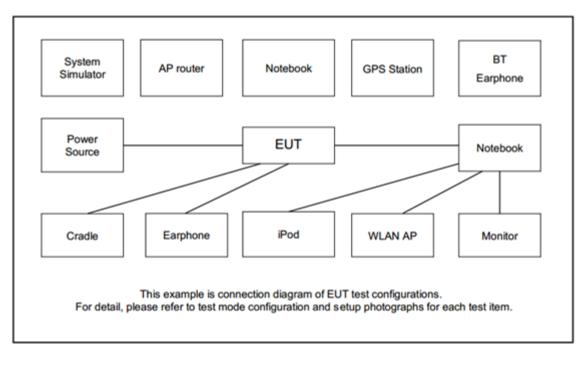
Ch. #	2400-2483.5 MHz				
Cii. #	802.11ax HE20	802.11ax HE40			
Low	01	03			
Middle	06	06			
Middle	10	-			
High	11	09			

#### Remark:

1. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2. For Radiated Spurious Emission above 18GHz and below 1GHz, the modulation and the data rate picked for testing are determined by the worst from Remark 1.

# 2.3 Connection Diagram of Test System



# 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Mobile Phone	Asus	Zenfone5	MSQX00QSA	N/A	N/A

# 2.5 EUT Operation Test Setup

The RF test items, utility "Tera Term Version4.95 / MT7906 Version0.0.2.78" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

# 2.6 Measurement Results Explanation Example

#### For all conducted test items:

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

Example:

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

 $Offset(dB) = RF \ cable \ loss(dB) + attenuator \ factor(dB).$ = 4.2 + 10 = 14.2 (dB)



# 3 Test Result

# 3.1 6dB and 99% Bandwidth Measurement

# 3.1.1 Limit of 6dB and 99% Bandwidth

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

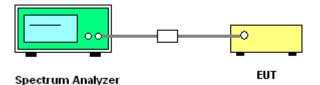
### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.1.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
- 5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\ge$  3 \* RBW.
- 6. Measure and record the results in the test report.

# 3.1.4 Test Setup



# 3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



# 3.2 Output Power Measurement

### 3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.2.3 Test Procedures

#### <CDD Modes>

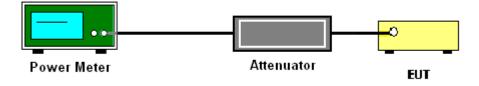
- 1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
- 2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.
- 5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

#### <TXBF Modes>

- 1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
- 2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.
- 5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.



# 3.2.4 Test Setup



# 3.2.5 Test Result of Average Output Power

Please refer to Appendix A.



# 3.3 Power Spectral Density Measurement

### 3.3.1 Limit of Power Spectral Density

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

### **3.3.2 Measuring Instruments**

Please refer to the measuring equipment list in this test report.

### 3.3.3 Test Procedures

#### <CDD Modes>

#### Method AVGPSD-2

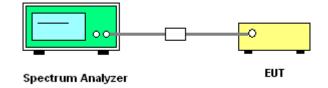
- 1. The testing follows the ANSI C63.10 Section 11.10.5 Method AVGPSD-2.
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 10 kHz.
   Video bandwidth VBW = 30 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW).
- Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins).
- 6. Detector = RMS, Sweep time = auto couple.
- 7. Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.
- 9. Measure and record the results in the test report.
- 10. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add 10  $log(N_{ANT})$  dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10  $log(N_{ANT})$  dB is added to each spectrum value before comparing to the emission limit. The addition of 10  $log(N_{ANT})$  dB serves to apportion the emission limit among the  $N_{ANT}$  outputs so that each output is permitted to contribute no more than  $1/N_{ANT}$  <sup>th</sup> of the PSD limit.



# 3.3.4 Test Setup



# 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

# 3.4 Conducted Band Edges and Spurious Emission Measurement

# 3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

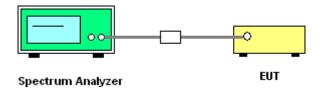
### 3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.4.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement
- The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Set RBW = 100 kHz, VBW = 300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
- 5. Measure and record the results in the test report.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.4.4 Test Setup



# 3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Please refer to Appendix A.

# 3.5 Radiated Band Edges and Spurious Emission Measurement

# 3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device is measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

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

#### 3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

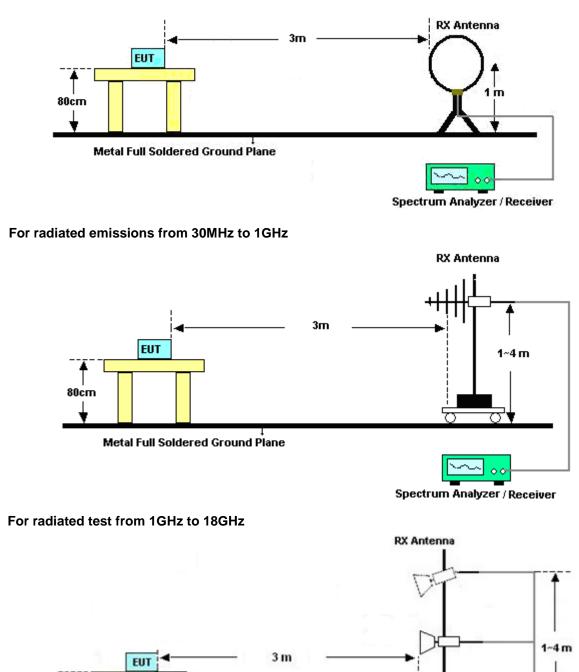
#### 3.5.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements
- 2. The EUT is 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.
- 3. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
- 4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
- 7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".
- 8. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz, VBW = 3 MHz for f  $\geq$  1 GHz for peak measurement. For average measurement:
    - VBW = 10 Hz, when duty cycle is no less than 98 percent.
    - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



# 3.5.4 Test Setup

For radiated emissions below 30MHz



Metal Full Soldered Ground Plane

1.5m

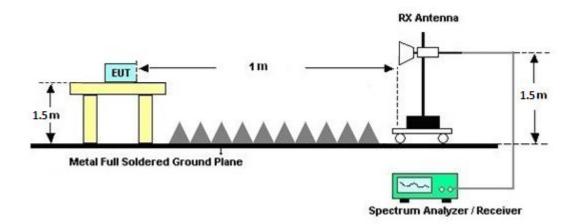
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Spectrum Analyzer / Receiver



#### For radiated test above 18GHz



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

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

#### 3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

#### 3.5.7 Duty Cycle

Please refer to Appendix D.

# 3.5.8 Test Result of Radiated Spurious Emission (30 MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix C.



# 3.6 AC Conducted Emission Measurement

# 3.6.1 Limit of AC Conducted Emission

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

Frequency of Emission	Conducted Limit (dBµV)			
(MHz)	Quasi-Peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		

\*Decreases with the logarithm of the frequency.

#### 3.6.2 Measuring Instruments

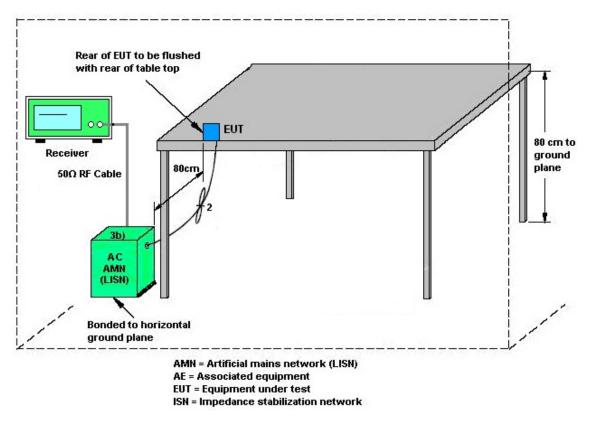
Please refer to the measuring equipment list in this test report.

# 3.6.3 Test Procedures

- 1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
- 6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
- 7. The frequency range from 150 kHz to 30 MHz is scanned.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9 kHz) with Maximum Hold Mode.



# 3.6.4 Test Setup



# 3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



# 3.7 Antenna Requirements

# 3.7.1 Standard Applicable

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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

# 3.7.2 Antenna Anti-Replacement Construction

The EUT requires professional installation.



# 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jul. 31, 2024~ Aug. 09, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Jan. 10, 2024	Jul. 31, 2024~ Aug. 09, 2024	Jan. 09, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2023	Jul. 31, 2024~ Aug. 09, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 16, 2024	Jul. 31, 2024~ Aug. 09, 2024	Feb. 15, 2025	Conducted (TH05-HY)
Software1	Sporton	BTWIFI_Final_v ersion:1.0(2024- 04-11)	N/A	Conducted Items	N/A	Jul. 31, 2024~ Aug. 09, 2024	N/A	Conducted (TH05-HY)
Software2	Raditeq	RadiMation 2021.1.8	N/A	Conducted Power	N/A	Jul. 31, 2024~ Aug. 09, 2024	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 04, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 04, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Jul. 04, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Jul. 04, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Jul. 04, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Jul. 04, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Jul. 04, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9kHz~30MHz	Sep. 12, 2023	Jul. 05, 2024~ Aug. 09, 2024	Sep. 11, 2024	Radiation (03CH22-HY)
Bilog Antenna with 6dB	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Oct. 15, 2023	Jul. 05, 2024~ Aug. 09, 2024	Oct. 14, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 15, 2023	Jul. 05, 2024~ Jul. 13, 2024	Jul. 14, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 14, 2024	Jul. 14, 2024~ Aug. 09, 2024	Jul. 13, 2025	Radiation (03CH22-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 21, 2024	Jul. 05, 2024~ Aug. 09, 2024	Mar. 20, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	Jul. 12, 2023	Jul. 05, 2024~ Jul. 10, 2024	Jul. 11, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	Jul. 11, 2024	Jul. 11, 2024~ Aug. 09, 2024	Jul. 10, 2025	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Jul. 05, 2024~ Aug. 09, 2024	Jun. 23, 2025	Radiation (03CH22-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	Jul. 05, 2024~ Aug. 09, 2024	Sep. 27, 2024	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060872	18-40GHz	Sep. 06, 2023	Jul. 05, 2024~ Aug. 09, 2024	Sep. 05, 2024	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Aug. 31, 2023	Jul. 05, 2024~ Aug. 09, 2024	Aug. 30, 2024	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Jan. 03, 2024	Jul. 05, 2024~ Aug. 09, 2024	Jan. 02, 2025	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 05, 2024~ Aug. 09, 2024	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 05, 2024~ Aug. 09, 2024	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 05, 2024~ Aug. 09, 2024	N/A	Radiation (03CH22-HY)
Software	Audix	E3 6.09824_2019 122	RK-002347	N/A	N/A	Jul. 05, 2024~ Aug. 09, 2024	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Jul. 05, 2024~ Aug. 09, 2024	Mar. 05, 2025	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,8046 11/2,804615/2	N/A	Oct. 24, 2023	Jul. 05, 2024~ Aug. 09, 2024	Oct. 23, 2024	Radiation (03CH22-HY)



# 5 Measurement Uncertainty

#### Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence	3.44 dB
of 95% (U = 2Uc(y))	3.44 UB

#### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence	6.5 dB
of 95% (U = 2Uc(y))	0.5 dB

#### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence	
of 95% (U = 2Uc(y))	4.5 dB

#### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	4.5 dB
of 95% (U = 2Uc(y))	4.3 dB

#### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence	5.4 dB
of 95% (U = 2Uc(y))	5.4 dB

# Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2024/7/31~2024/8/9	Relative Humidity:	51~54	%

<CDD Mode>

#### TEST RESULTS DATA 6dB and 99% Occupied Bandwidth

	2.4GHz Band MIMO														
Mod.	Data Rate	Nτx	CH.	Freq. (MHz)	99% Occ (Mi	upied BW Hz)		BW Hz)	6dB BW Limit (MHz)	Pass/Fail					
					Ant1	Ant2	Ant1	Ant2							
11b	1Mbps	2	1	2412	12.59	12.64	8.05	7.54	0.50	Pass					
11b	1Mbps	2	6	2437	12.79	13.04	8.03	8.02	0.50	Pass					
11b	1Mbps	2	11	2462	12.69	12.69	8.05	7.56	0.50	Pass					
11g	6Mbps	2	1	2412	17.33	17.28	15.99	16.28	0.50	Pass					
11g	6Mbps	2	2	2417	17.83	17.88	16.31	16.33	0.50	Pass					
11g	6Mbps	2	6	2437	17.28	18.13	15.70	15.64	0.50	Pass					
11g	6Mbps	2	10	2457	17.33	17.08	15.90	16.28	0.50	Pass					
11g	6Mbps	2	11	2462	17.18	16.93	16.02	16.29	0.50	Pass					
HT20	MCS0	2	1	2412	18.38	18.13	16.01	17.56	0.50	Pass					
HT20	MCS0	2	6	2437	18.33	18.53	16.89	17.13	0.50	Pass					
HT20	MCS0	2	11	2462	18.28	17.98	16.10	17.15	0.50	Pass					
HT40	MCS0	2	3	2422	36.96 36.66		35.11 35.05		0.50	Pass					
HT40	MCS0	2	6	2437	36.76	36.76	35.11 35.10		0.50	Pass					
HT40	MCS0	2	9	2452	37.06	37.06	35.10	35.03	0.50	Pass					

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#### TEST RESULTS DATA Average Output Power

	2.4GHz Band MIMO																		
Mod.	Data Rate	Nтx	CH.	Freq. (MHz)		Average Conducted Power (dBm)		Po <sup>.</sup> Lii	ucted wer mit Bm)	DG (dBi)		Po	RP wer 3m)	EIRP Power Limit (dBm)		Pass /Fail			
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1 Ant2		Ant1	Ant2				
11b	1Mbps		1	2412	20.50	20.30	23.41	30	.00	3.24		26	.65	36	.00	Pass			
11b	1Mbps	2	6	2437	23.20	22.40	25.83	30	.00	3.24		29.07		36	.00	Pass			
11b	1Mbps	2	11	2462	20.40	19.70	23.07	30.00		3.24		26	.31	36	.00	Pass			
11g	6Mbps	2	1	2412	16.20	16.10	19.16	30.00		3.24		22.40		36	.00	Pass			
11g	6Mbps	2	2	2417	18.50	18.30	21.41	30	.00	3.2	24	24	.65	36	.00	Pass			
11g	6Mbps	2	6	2437	19.70	19.70	22.71	30	.00	3.24		25	.95	36	.00	Pass			
11g	6Mbps	2	10	2457	17.40	17.30	20.36	30	.00	3.24		23.60		36	.00	Pass			
11g	6Mbps	2	11	2462	16.00	15.50	18.77	30	.00	3.2	24	22	.01	36	.00	Pass			
HT20	MCS0	2	1	2412	16.20	16.10	19.16	30	.00	3.2	24	22	.40	36	.00	Pass			
HT20	MCS0	2	6	2437	19.20	19.20	22.21	30	.00	3.2	24	25	.45	36	.00	Pass			
HT20	MCS0	2	11	2462	16.50	16.00	19.27	30	.00	3.2	3.24 22.5		.51	36	.00	Pass			
HT40	MCS0	2	3	2422	14.50	14.30	17.41	30	.00	3.2	3.24		3.24 20.65		36	.00	Pass		
HT40	MCS0	2	6	2437	16.20	16.10	19.16	30	.00	3.24		3.24		3.24 22.40		.40	36	.00	Pass
HT40	MCS0	2	9	2452	15.70	15.60	18.66	30	.00	3.2	24	21	.90	36	.00	Pass			

Note: Measured power (dBm) has offset with cable loss.

#### TEST RESULTS DATA Peak Power Spectral Density

	2.4GHz Band MIMO														
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)		Peak PSD (dBm/3kHz)			G Bi)	Lii	PSD nit ′3kHz)	Pass/Fail			
	Nale			(101112)	Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2				
11b	1Mbps	2	1	2412	-0.95	-1.64	2.06	6.2	25	7.	75	Pass			
11b	1Mbps	2	6	2437	1.88 0.79 <b>4.89</b>			6.2	25	7.	75	Pass			
11b	1Mbps	2	11	2462	-1.85	-1.61	1.40	6.25		7.	7.75				
11g	6Mbps	2	1	2412	-8.01	-8.01	-5.00	6.25		7.75		Pass			
11g	6Mbps	2	2	2417	-7.16	-7.29	-4.15	6.2	25	7.	75	Pass			
11g	6Mbps	2	6	2437	-5.23	-4.58	-1.57	6.25		7.	75	Pass			
11g	6Mbps	2	10	2457	-7.48	-7.44	-4.43	6.25		7.	75	Pass			
11g	6Mbps	2	11	2462	-8.55	-9.08	-5.54	6.2	25	7.	75	Pass			
HT20	MCS0	2	1	2412	-9.08	-8.18	-5.17	6.2	25	7.	75	Pass			
HT20	MCS0	2	6	2437	-6.04	4 -4.31 -1.30 6.25		6.25		-1.30 6.25		7.	75	Pass	
HT20	MCS0	2	11	2462	-8.70	-7.87	-4.86	6.2	25	7.	75	Pass			
HT40	MCS0	2	3	2422	-13.47	-13.36 -10.35		6.25		6.25 7.75		Pass			
HT40	MCS0	2	6	2437	-10.49	-11.62	-7.48	6.25		6.25		6.25 7.75		75	Pass
HT40	MCS0	2	9	2452	-11.68	-10.68	-7.67	6.2	25	7.	75	Pass			

Measured power density (dBm) has offset with cable loss.

Report Number : FR452223B

#### TEST RESULTS DATA 6dB and 99% Occupied Bandwidth

	2.4GHz Band MIMO														
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	99% Occi (MI	•	6dB (M	BW Hz)	6dB BW Limit (MHz)	Pass/Fail				
						Ant1	Ant2	Ant1	Ant2						
HE20	MCS0	2	1	2412	Full	18.93	18.93	18.54	18.33	0.50	Pass				
HE20	MCS0	2	6	2437	Full	19.23	19.33	18.22	18.66	0.50	Pass				
HE20	MCS0	2	11	2462	Full	19.18	19.08	18.27	16.78	0.50	Pass				
HE40	MCS0	2	3	2422	Full	37.96	37.96	36.26	35.06	0.50	Pass				
HE40	MCS0	2	6	2437	Full	38.06	37.96	35.64	35.10	0.50	Pass				
HE40	MCS0	2	9	2452	Full	38.06	38.16	35.10	35.07	0.50	Pass				

#### TEST RESULTS DATA Average Output Power

	2.4GHz Band MIMO																																																
Mod.	Rate (MHz) An		С	Average onducte Power (dBm)		Po Lir	Conducted Power Limit (dBm)		G Bi)	EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail																																			
			Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2																																				
HE20	MCS0	2	1	2412	Full	15.90	15.70	18.81	30	.00	3.	24	22	.05	36	.00	Pass																																
HE20	MCS0	2	6	2437	Full	18.70	18.80	21.76	30	.00	3.	24	25	.00	36	.00	Pass																																
HE20	MCS0	2	10	2457	Full	17.00	16.80	19.91	30	.00	3.24		23	.15	36	.00	Pass																																
HE20	MCS0	2	11	2462	Full	15.10	14.60	17.87	30	.00	3.	3.24		3.24		.24 21.1		.11	36	.00	Pass																												
HE40	MCS0	2	3	2422	Full	13.70	13.50	16.61	30	30.00		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		.85	36	.00	Pass
HE40	MCS0	2	6	2437	Full	15.90	15.80	18.86	6 30.00		30.00		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		3.24		22	.10	36	.00	Pass		
HE40	MCS0	2	9	2452	Full	14.90	14.80	17.86	30	30.00		3.24 21.10		.10	36	.00	Pass																																

Note: Measured power (dBm) has offset with cable loss.

#### <u>TEST RESULTS DATA</u> Peak Power Spectral Density

	2.4GHz Band MIMO														
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config		Peak PSD (dBm/3kHz)	)	D (di		Lir	PSD nit ′3kHz)	Pass/Fail		
				(101112)		Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2			
HE20	MCS0	2	1	2412	Full	-10.38	-9.79	-6.78	6.25		7.75		Pass		
HE20	MCS0	2	6	2437	Full	-6.70	-7.00	-3.69	6.2	25	7.	75	Pass		
HE20	MCS0	2	10	2457	Full	-8.98	-9.43	-5.97	6.2	25	5 7.		Pass		
HE20	MCS0	2	11	2462	Full	-10.19	-11.23	-7.18	6.2	25	7.	75	Pass		
HE40	MCS0	2	3	2422	Full	-14.17	-15.01	-11.16	6.2	25	7.75		Pass		
HE40	MCS0	2	6	2437	Full	-11.36 -12.51		-8.35	6.25		7.75		Pass		
HE40	MCS0	2	9	2452	Full	-12.83	-13.58	-9.82	6.2	25	7.	75	Pass		

Measured power density (dBm) has offset with cable loss.

#### TEST RESULTS DATA Average Output Power

	2.4GHz Band MIMO																	
Mod.	Rate (MHz) (dBm)		Po <sup>.</sup> Lii	ucted wer mit 3m)		G Bi)	Elf Pov (dB	wer	Po <sup>r</sup> Lii	RP wer mit 3m)	Pass /Fail							
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2			
HT20	MCS0	2	1	2412	16.10	16.00	19.06	29	29.75		25	25.	.31	36	.00	Pass		
HT20	MCS0	2	6	2437	19.00	19.10	22.06	29	.75	6.25		28.	.31	36	.00	Pass		
HT20	MCS0	2	11	2462	16.40	15.90	19.17	29	.75	6.25		25.42		36	.00	Pass		
HT40	MCS0	2	3	2422	14.40	14.20	17.31	29	.75	6.	6.25		6.25 23.5		56	36	.00	Pass
HT40	MCS0	2	6	2437	16.10	16.00	19.06	29	.75	6.	6.25 25.31		31	36	.00	Pass		
HT40	MCS0	2	9	2452	15.50	15.50	18.51	29.75		6.25		6.25 24.76		76	36.00		Pass	

Note: Measured power (dBm) has offset with cable loss.

# TEST RESULTS DATA Average Output Power

	2.4GHz Band MIMO																
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	С	Average onducte Power (dBm)		Cond Pov Lir (dB	wer nit	D (d	G Bi)	Po	RP wer 3m)	Lir	RP wer nit Bm)	Pass /Fail
						Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	2	1	2412	Full	15.70	15.60	18.66	29.	75	6.	25	24	.91	36.	.00	Pass
HE20	MCS0	2	6	2437	Full	18.60	18.70	21.66	29.	75	6.	25	27	.91	36.	.00	Pass
HE20	MCS0	2	10	2457	Full	16.90	16.70	19.81	29.	75	6.	25	26	.06	36.	.00	Pass
HE20	MCS0	2	11	2462	Full	14.90	14.40	17.67	29.	75	6.	25	23	.92	36.	.00	Pass
HE40	MCS0	2	3	2422	Full	13.50	13.30	16.41	29.	75	6.	25	22	.66	36.	.00	Pass
HE40	MCS0	2	6	2437	Full	15.70	15.70	18.71	29.	75	6.	25	24	.96	36.	.00	Pass
HE40	MCS0	2	9	2452	Full	14.70	14.60	17.66	29.	75	6.	25	23	.91	36.	.00	Pass

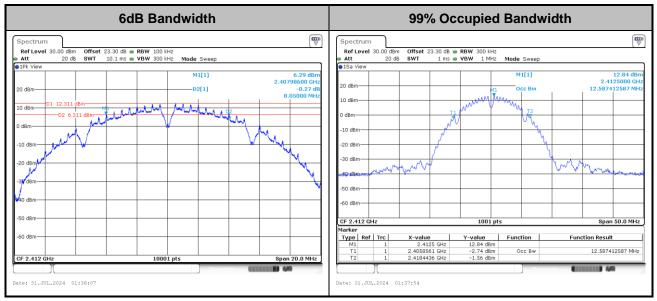
Note: Measured power (dBm) has offset with cable loss.



# 6dB and 99% Occupied Bandwidth

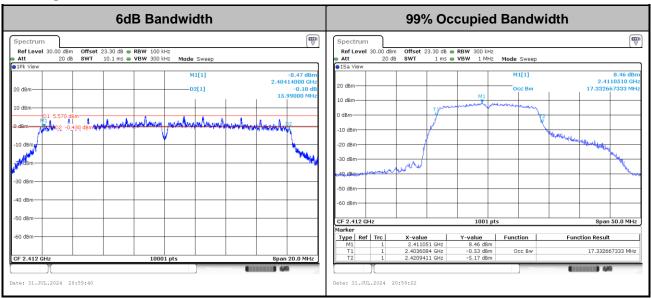
# MIMO <Ant. 1+2>

## <802.11b>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

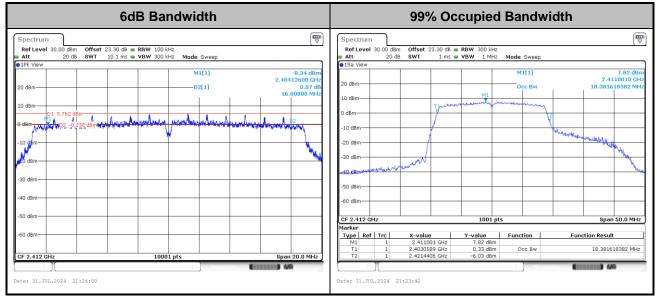
#### <802.11g>



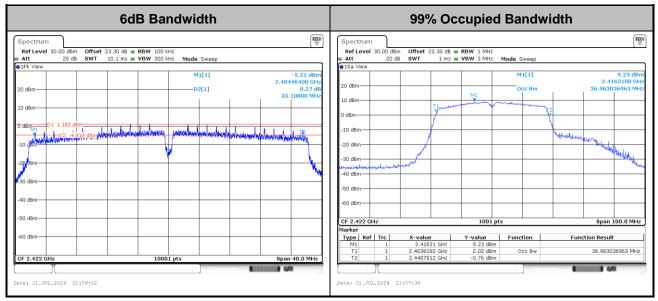
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



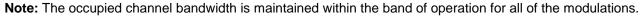
### <802.11n HT20>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

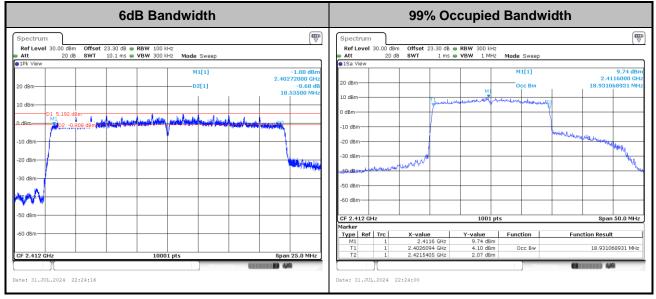


#### <802.11n HT40>

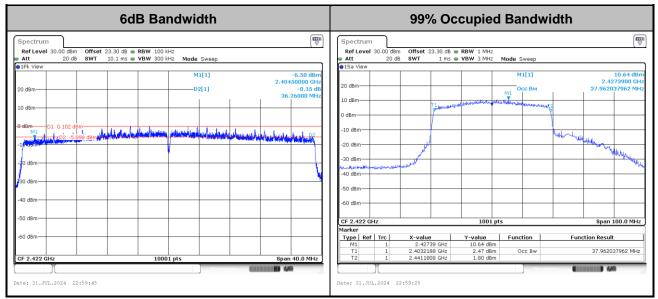




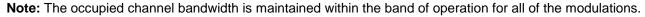
# <802.11ax HE20>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



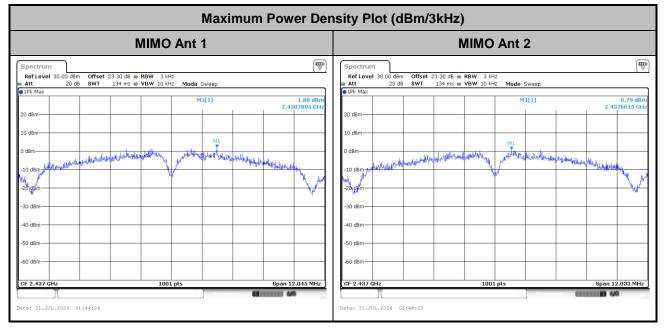
#### <802.11ax HE40>





# Power Spectral Density(dBm/3kHz)

# <802.11b>

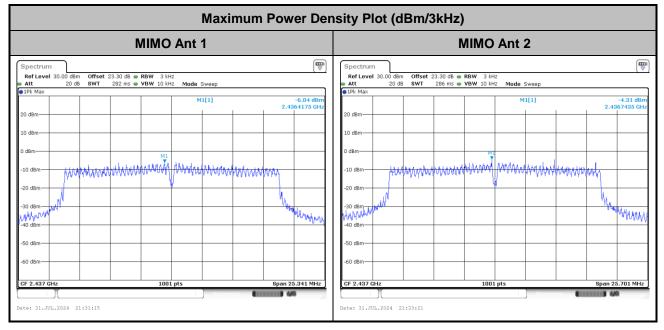


#### <802.11g>

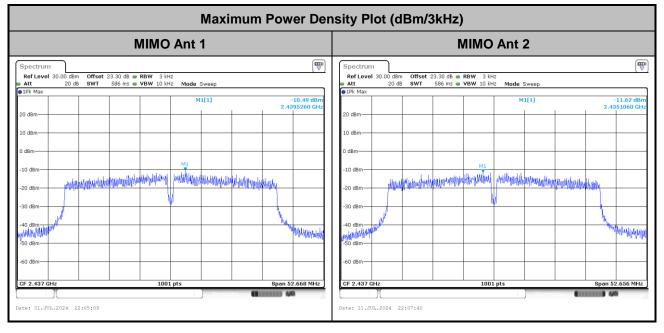
Maximum Power Density Plot (dBm/3kHz)					
MIMO Ant 1	MIMO Ant 2				
Spectrum         Image: Constraint of the system         Image: Constand of the system	Spectrum         Image: Constraint of the sector of th				
20 dBm         M1[1]        5.23 dBm           20 dBm         2.4363415 GHz           10 dBm	20 dBm         M1[1]        4-58 dBm           20 dBm         2.4373050 dHz           10 dBm				
-30 dBm	130 dBm				
CF 2.437 GHz 1001 pts Span 23.547 MHz	CF 2.437 GHz 1001 pts Span 23.466 MHz				
Date: 31.JUL.2024 21:08:57	Date: 31.JUL.2024 21:11:00				



# <802.11n HT20>

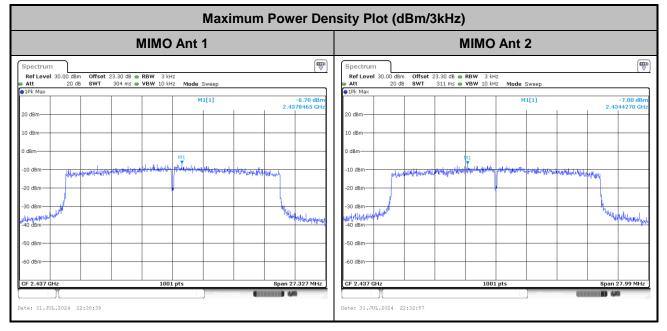


#### <802.11n HT40>

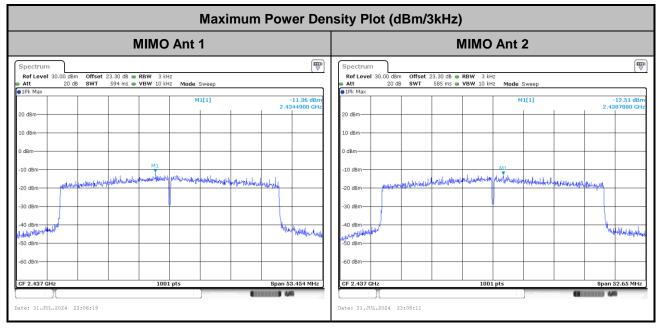




# <802.11ax HE20>



## <802.11ax HE40>

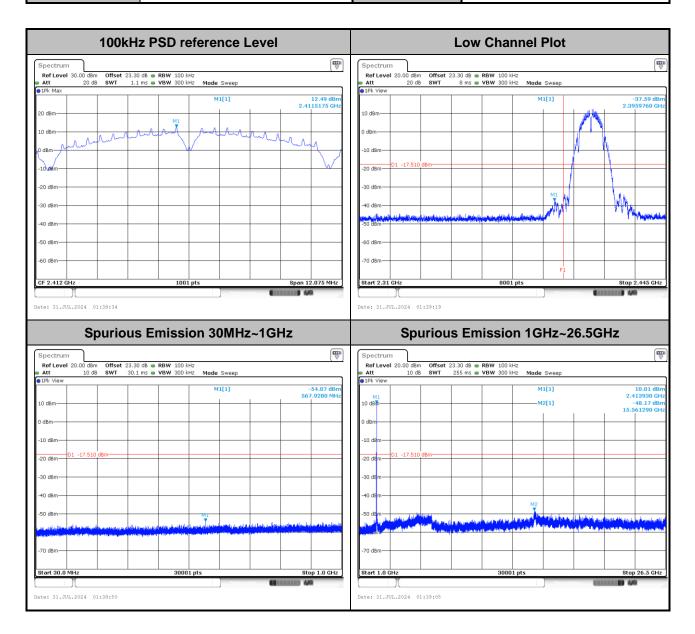




# Band Edges and Spurious Emission

# Number of TX = 2, Ant. 1 (Measured)

Test Mode :     802.11b     Test Channel :     01
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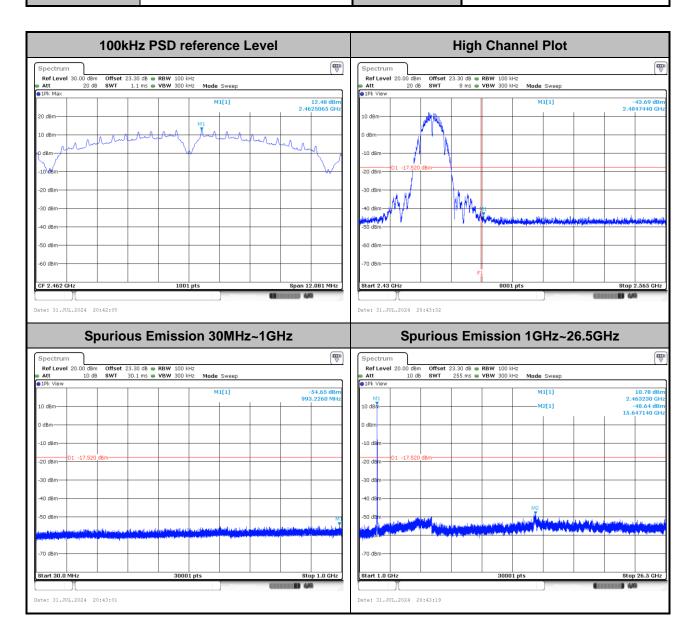


Test Mode : 802.11b Test	t Channel : 06
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100	kHz PSD reference Lo	evel	N	Aiddle Channel Ple	ot
Spectrum					
Ref Level 30.00 dBm Offset Att 20 dB SWT	23.30 dB				
1Pk Max					
	M1[1]	14.92 dBm 2.4364945 GHz			
0 dBm	M1				
0 dBm	Amana mana	MAL A			
dBm		mand ,			
dBm					
10 dBm		~~~			
20 dBm					
30 dBm					
40 dBm					
50 dBm					
60 dBm					
F 2.437 GHz	1001 pts	Span 12.045 MHz			
		CONTRACTOR AND			
	ous Emission 30MHz-	~1GHz	Spurious	s Emission 1GHz-	~26.5GHz
Spurie	ous Emission 30MHz			s Emission 1GHz-	~26.5GHz
Spectrum Ref Level 20.00 dBm Offse	: 23.30 dB 🖷 RBW 100 kHz	~1GHz	Spectrum Ref Level 20.00 dBm Offset 23	3.30 dB 👄 <b>RBW</b> 100 kHz	~26.5GHz
Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT			Spectrum Ref Level 20.00 dBm Offset 23		~26.5GHz
Spectrum Ref Level 20.00 dBm Offse	: 23.30 dB 🖷 RBW 100 kHz	-54.63 dBm	Spectrum Ref Level 20.00 dBm Offset 23 Att 10 dB SWT	3.30 dB 👄 <b>RBW</b> 100 kHz	14.36
Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep		Spectrum Ref Level 20.00 d8m Offset 23 Att 10 d8 SWT	3.30 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep	14.36 2.437730 -48.77
Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum Ref Level 20.00 dBm Offset 22 Att 10 dB SWT	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	14.36 2.437730 -48.77
Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT IPK View 0 dBm dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2: SWT           Att         10 dB           M1         10 dB           10 dBm         0 dBm	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	14.36 2.497730 -48.77
Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT IPK View 0 dBm dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 23           Att         10 dB         SWT           In dBm         0         0           0 dBm         0         0	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	14.36 2.437730 -48.77
Spectrum           Ref Level 20.00 dBm         Offse           Att         10 dB         SWT           D dBm         0         dBm           10 dBm         0         0	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2: SWT           Att         10 dB           M1         10 dB           10 dBm         0 dBm	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	14.36 2.437730 -48.77
Spectrum           Ref Level 20.00 dBm         Offsei           Att         10 dB         SWT           JRK View         0         dBm         0           dBm         0         dBm         0           10 dBm         01 -15.080 dBm         20 dBm         01 -15.080 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2: 0 dB           • Att         10 dB           • DFk View         Mi           10 dBm         0           0 dBm         0           -10 dBm         01 -15.080 dBm	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	14.36 2.437730 -48.77
Spectrum           Ref Level 20.00 dBm         Offsee           Att         10 dB         SWT           IPK View         0         dBm         0           0 dBm         0         11 - 15.080 dBm         0           20 dBm         0         48m         0         30 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2: SWT           Att         10 dB           9 IPk View         SWT           10 dBm         0           -10 dBm         01 -15.080 dBm           -20 dBm         -30 dBm	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	14.36 2.437730 -48.77
Spectrum           Ref Level 20.00 dBm         Offsee           Att         10 dB         SWT           IPK View         0         dBm         0           0 dBm         0         11 - 15.080 dBm         0           20 dBm         0         48m         0         30 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2: SWT           Att         10 dB           WI         10 dBm           10 dBm         0 dBm           -10 dBm         01 -15.080 dBm           -20 dBm         01 -15.080 dBm	3.30 dB   RBW 100 kHz 255 ms  VBW 300 kHz Mode Sweep  M1[1]  M2[1]  M2[1]	14.36 2.437730 -48.77
Spectrum           Ref Level 20.00 dBm         Offser           Att         10 dB         SWT           0 dBm         0         dBm         0           0 dBm         0         0         Bm         0           0 dBm         0         0         0         0           0 dBm         0         0         0         0         0           0 dBm         0 <td>23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep</td> <td>-54.63 dBm 965.4850 MHz</td> <td>Spectrum           Ref Level 20.00 dBm         Offset 2: SWT           Att         10 dB           9 IPk View         SWT           10 dBm         0           -10 dBm         01 -15.080 dBm           -20 dBm         -30 dBm</td> <td>3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2</td> <td>14.36 2.43770 -4377 15.621640</td>	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm 965.4850 MHz	Spectrum           Ref Level 20.00 dBm         Offset 2: SWT           Att         10 dB           9 IPk View         SWT           10 dBm         0           -10 dBm         01 -15.080 dBm           -20 dBm         -30 dBm	3.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2	14.36 2.43770 -4377 15.621640
Spectrum           Ref Level 20.00 dBm         Offsei           Att         10 dB         SWT           JRK View         0         dBm         0           dBm         0         dBm         0           10 dBm         01 -15.080 dBm         20 dBm         01 -15.080 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm	Spectrum           Ref Level 20.00 dBm         Offset 23           Att         10 dB         SWT           It         10 dBm         0           0 dBm         0         0           -10 dBm         01 -15.080 dBm         -10 dBm           -20 dBm         -40 dBm         -40 dBm	3.30 dB   RBW 100 kHz 255 ms  VBW 300 kHz Mode Sweep  M1[1]  M2[1]  M2[1]	14.36 2.437730 -43.77 13.621640
Spectrum           Ref Level 20.00 dBm         Offser           Att         10 dB         SWT           0 dBm         0         dBm         0           0 dBm         0         0         Bm         0           0 dBm         0         0         0         0           0 dBm         0         0         0         0         0           0 dBm         0 <td>23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep</td> <td>-54.63 dBm 965.4850 MHz</td> <td>Spectrum           Ref Level 20.00 dBm         Offset 23           Att         10 dB         SWT           It         10 dBm         0           0 dBm         0         0           -10 dBm         01 -15.080 dBm         -10 dBm           -20 dBm         -40 dBm         -40 dBm</td> <td>3.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sweep M1[1] </td> <td>14.36 2.437730 -48.77 15.621640</td>	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm 965.4850 MHz	Spectrum           Ref Level 20.00 dBm         Offset 23           Att         10 dB         SWT           It         10 dBm         0           0 dBm         0         0           -10 dBm         01 -15.080 dBm         -10 dBm           -20 dBm         -40 dBm         -40 dBm	3.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sweep M1[1] 	14.36 2.437730 -48.77 15.621640
Spurie           ipectrum         Ref Level 20.00 dBm         Offsee           Ref Level 20.00 dBm         10 dB         SWT           10 dB         SWT         0 dBm         0 dBm           0 dBm         0 dBm         0 dBm         0 dBm         0 dBm           10 dB         0 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm 965.4850 MHz	Spectrum           Ref Level 20.00 dBm         Offset 23           Att         10 dB         SWT           It         10 dBm         0           0 dBm         0         0           -10 dBm         01 -15.080 dBm         -10 dBm           -20 dBm         -40 dBm         -40 dBm	3.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sweep M1[1] 	14.36 2.437730 -48.77 15.621640
Spectrum           Ref Level 20.00 dBm         Offsei           Att         10 dB         SWT           JRK View         0         dBm         0           0 dBm         0         dBm         0         dBm           10 dBm         01 -15.080 dBm         00         dBm         00           20 dBm         01 -15.080 dBm         00	23.30 db • RBW 100 HHz 30.1 ms • VBW 300 HHz Mode Sweep M1[1] M1[1]	-54.63 dBm 965.4850 MHz	Spectrum           Ref Level 20.00 dbm         Offset 2: SWT           Att         10 db           10 dbm         0           10 dbm         0           -20 dbm         01 -15.080 dbm           -30 dbm         -30 dbm           -50 dbm         -10 dbm           -70 dbm         -70 dbm	3.30 dB      RBW 100 kHz 255 ms     VBW 300 kHz Mode Sweep      M1[1]     M2[1]     M2[1]     M2	14.36 2.43770 -4377 15.621640
Spectrum           Ref Level         20.00 dBm         Offsee           10 dB         9WT         10 dB         WT           PR View         0 dBm         0 <t< td=""><td>23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep</td><td>-54.63 dBm 965.4850 MHz</td><td>Spectrum           Ref Level 20.00 dbm         Offset 2: SWT           Att         10 db           10 dbm         0           0 dbm         0           -10 dbm         0           -20 dbm         -15.080 dbm           -30 dbm         -30 dbm</td><td>3.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sweep M1[1] </td><td>14.36 2.437200 -48.72 135.621640</td></t<>	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-54.63 dBm 965.4850 MHz	Spectrum           Ref Level 20.00 dbm         Offset 2: SWT           Att         10 db           10 dbm         0           0 dbm         0           -10 dbm         0           -20 dbm         -15.080 dbm           -30 dbm         -30 dbm	3.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sweep M1[1] 	14.36 2.437200 -48.72 135.621640

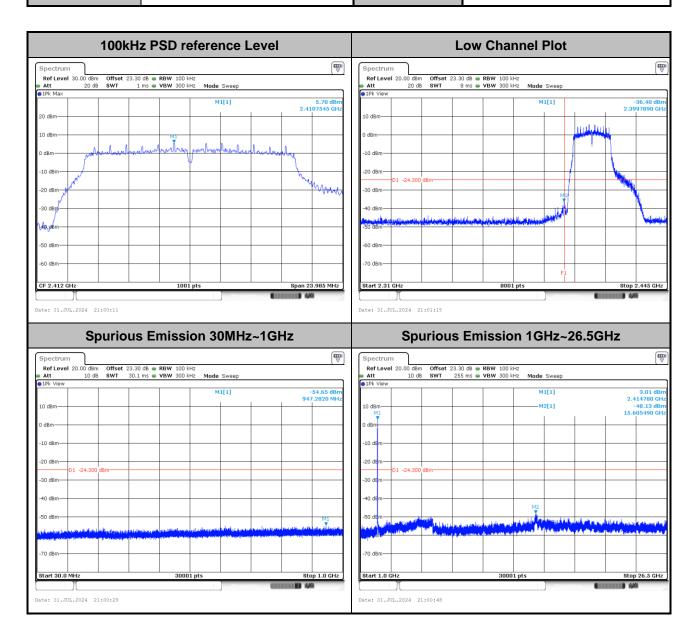


802.11b



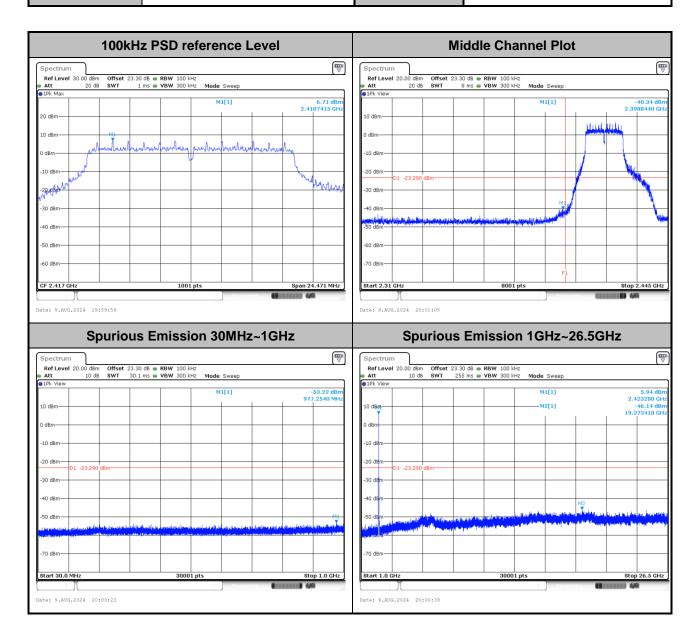


802.11g





802.11g



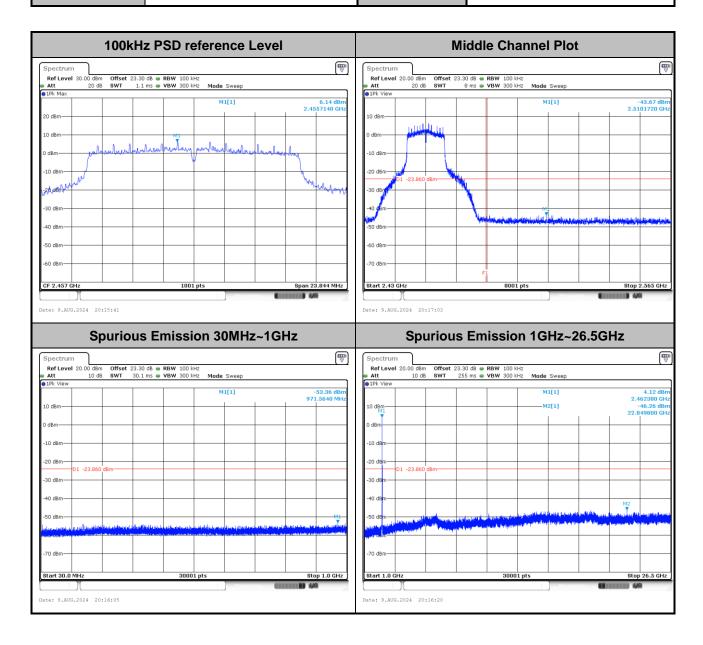


Test Mode : 802.11g Test Channel : 06	
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1001	kHz PSD reference Level	Middle Channel Plot
Spectrum	▼	)
Ref Level 30.00 dBm Offset Att 20 dB SWT	23.30 dB      RBW 100 kHz 1.1 ms      VBW 300 kHz     Mode Sweep	
1Pk Max		
	M1[1] 9.28 dBm 2.4357295 GHz	
20 dBm		
10 dBm		
mound	broken dreading with and maken broken lay	
0 dBm		
-10 dBm		
20 dBm	Ywww	
30 dBm		
-40 dBm		
50 dBm		
map uc-		
60 dBm		
CF 2.437 GHz	1001 pts Spon 23.547 MHz	
Spurio	ous Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	ous Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
Spectrum Ref Level 20.00 dBm Offset	23.30 dB • RBW 100 kHz	Spectrum         Ref Level 20.00 dbm         Offset 23.30 db • RBW 100 kHz
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	[ ₩ ▽	Spectrum
Spectrum Ref Level 20.00 dBm Offset	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Image: Constraint of the second secon
Spectrum RefLevel 20.00 dBm Offset 10 dB SWT 1Pk View	23.30 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep	Spectrum         Mode           Ref Level 20.00 dbm         Offset 23.30 db @ RBW 100 kHz           # Att         10 db SWT           255 ms @ VBW 300 kHz           Mode           Sweep           # In ub           M1[1]           2.410900           10 dbg           M1[1]           2.410900           M2[1]           -M2[1]
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 10 dB WT 10 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Mode           Ref Level 20.00 dbm         Offset 23.30 db @ RBW 100 kHz           # Att         10 db SWT           255 ms @ VBW 300 kHz           Mode           Swep           # 10 db SWT           255 ms @ VBW 300 kHz           Mode           Swep           # 10 db SWT           Lo db SWT           M1[1]           2.410900           M2[1]           - M2[1]
Spectrum	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         Mode         Sweep           Ref Level 20.00 dbm         Offset 23.30 db @ RBW 100 kHz         Mode Sweep         0 db Swep           @ 1Pk view         10 db SwT 255 ms @ VBW 300 kHz         Mode Sweep         0 db Swep           0 1Pk view         M1[1]         2.41000 C         0 db Swep           0 0 dbm         M2[1]         -47.39 d         15.612290 C
Spectrum           Ref Level 20.00 dBm         Offset           .4tt         10 dB         SWT           .1Pk View         10 dBm         0 dBm           .0 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Mail           Rof Lovel 20.00 dbm         Offset 23.30 db @ RBW 100 kHz           Att         10 db SWT           255 ms @ VBW 300 kHz         Mode Sweep           ● IPk View         M1[1]           10 dbg
Spectrum         Ref Level 20.00 dBm Offset           Att         10 dB SWT           10 dBm         0           0 dBm         0           -10 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         Mode         Sweep           Ref Level 20.00 dbm         Offset 23.30 db @ RBW 100 kHz         Mode Sweep         0 db Swep           @ 1Pk view         10 db SwT 255 ms @ VBW 300 kHz         Mode Sweep         0 db Swep           0 1Pk view         M1[1]         2.41000 C         0 db Swep           0 0 dbm         M2[1]         -47.39 d         15.612290 C
Spectrum         Offset           Ref Level 20.00 dBm         Offset           10 dB         SWT           10 dBm         0           0 dBm         0           10 dBm         0           20 dBm         01 -20.720 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         Made
Spectrum         Offset           Ref Level         20.00 dBm         Offset           10 dB         SWT         SWT           10 dBm         0         0           10 dBm         0         0           -10 dBm         0	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         <
Spectrum         Offset           Ref Level         20.00 dBm         Offset           10 dB         SWT         SWT           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           20 dBm         0         0           30 dBm         0	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milli         8.37 di           Ref Level 20.00 dbm         Offset 23.30 db         RBW 100 kHz         Mode Sweep           # Att         10 db         SWT         255 ms         VBW 300 kHz         Mode Sweep           # IPk View         M1[1]         2.410900         2.4410900         10.4410900         15.6122900           0 dbm
Spectrum         Offset           Rof Level 20.00 dBm         Offset           10 dB         SWT           10 dBm         0           0 dBm         0           -10 dBm         0           -30 dBm         01 -20.720 dBm           -40 dBm         -40 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         <
Spectrum         Offset           Ref Level         20.00 dBm         Offset           10 dB         SWT         10 dB           10 dBm         0         0           0 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           40 dBm         0         -20.720 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milli         Bit Stress         Spectrum           Rof Lovel 20.00 dbm         Offset 23.30 db @ RBW 100 kHz         Mode Sweep         0 db SWT         255 ms @ VBW 300 kHz         Mode Sweep           @ IPk View         M1[1]         8.37 db         2.4410900         0 db         0 db         10 db         9.37 db         10 db         15.612290 db         0 db
Spectrum         Offset           Ref Level 20.00 dBm         Offset           10 dB         SWT           10 dBm         0           0 dBm         0           -0 dBm         01 -20.720 dBm           -30 dBm         -40 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         Made Sweep                • Att             10 d8 SWT             255 ms             • V9W 300 kHz             Mode Sweep               • Milling                 • In k View               Milling               • Milling               • Ast                 • In k View               Milling               • Milling               • Ast               Ast               • Ast               • Ast               • A
Spectrum         Offset           Ref Level 20.00 dBm         Offset           10 dB         SWT           10 dB         OdBm           10 dBm         OdBm           -10 dBm         OdBm           -30 dBm         OdBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         <
Spectrum         Offset           Ref Level         20.00 dBm         Offset           10 dB         SWT         SWT           10 dBm         0         0           0 dBm         0         0           -10 dBm         0         0           -30 dBm         0         -20.720 dBm           -40 dBm         -50 dBm         -50 dBm           -70 dBm         -70 dBm         -70 dBm	23.30 dB         8BW 100 kHz           30.1 ms         VBW 300 kHz           M1[1]         -54.10 dBm           957.2080 MHz         957.2080 MHz           Image: State Stat	Spectrum         Milling         Mage           Ref Level 20.00 dbm         Offset 23.30 db @ RBW 100 kHz         Mode Sweep           @1Pk View         10 db SWT         255 ms @ VBW 300 kHz         Mode Sweep           @1Pk View         M1[1]         2.431080         2.441080           10 dbg
Spectrum           Ref Level 20.00 dBm         Offset 0.00 dBm           10 dB         SWT           10 dB         SWT           10 dBm         0           -0 dBm	23.30 d8 ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep   M1[1] -54.10 dBm	Spectrum         Milling         <

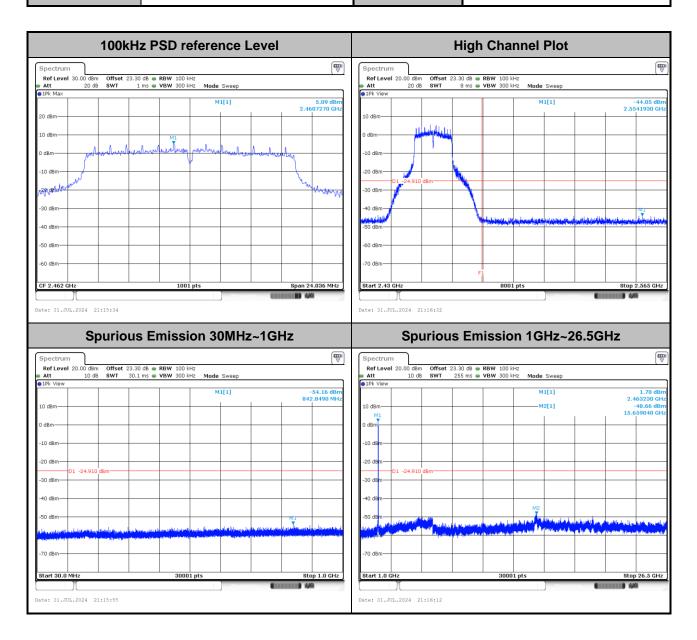


802.11g



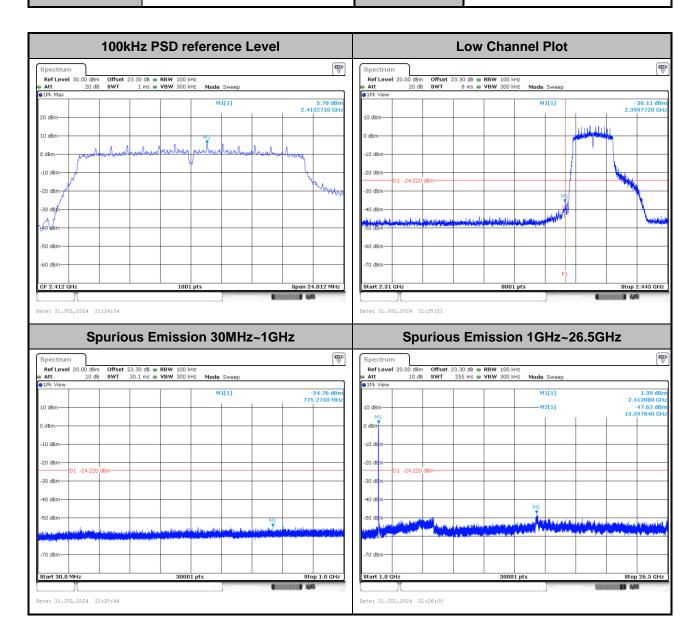


802.11g





802.11n HT20



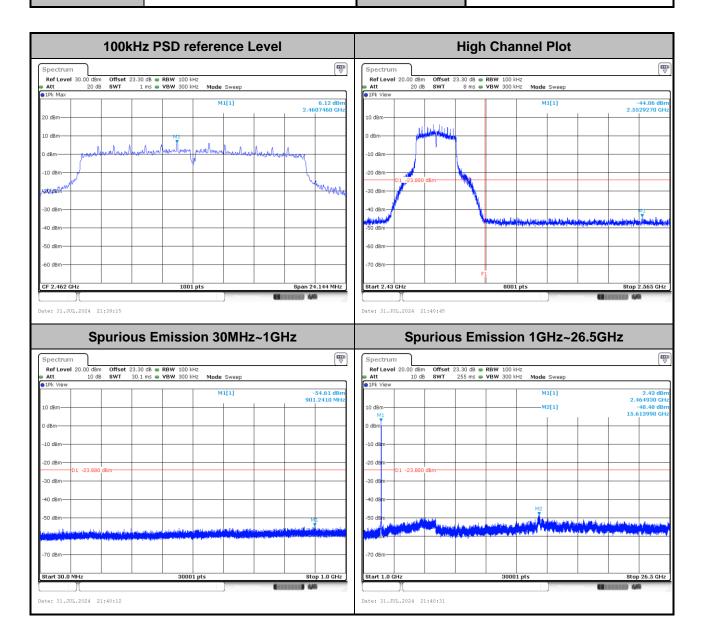


Test Mode :         802.11n HT20         Test	est Channel : 06
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100k	Hz PSD reference	Level	N	Aiddle Channe	l Plot	
Spectrum						
Ref Level 30.00 dBm Offset 2 Att 20 dB SWT	23.30 dB • RBW 100 kHz 1.1 ms • VBW 300 kHz Mode Sweep					
1Pk Max	M1[1]	8.76 dBm				
	MI[I]	8.76 dBm 2.4382655 GHz				
20 dBm						
10 dBm	M1					
D dBm Manhan	heartman being mention hand	alunahanher				
-10 dBm		Mark .				
20'dBm		Mullim				
-30 dBm						
-40 dBm						
-50 dBm						
-60 dBm						
CF 2.437 GHz	1001 pts	Span 25.341 MHz				
	us Emission 30MH	z~1GHz	Spurious	s Emission 1G	Hz~26.50	GHz
Spurio	us Emission 30MH	z~1GHz	Spurious	s Emission 1G	Hz~26.50	
Spectrum Ref Level 20.00 dBm Offset 2	23.30 dB 🖷 RBW 100 kHz		Spectrum Ref Level 20.00 dBm Offset 2:	23.30 dB 🖷 <b>RBW</b> 100 kHz		GHz
Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	(W)	Spectrum Ref Level 20.00 dBm Offset 2:	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	: Sweep	
Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT	23.30 dB 🖷 RBW 100 kHz		Spectrum RefLevel 20.00 dBm Offset 2: Att 10 dB SWT	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	Sweep	6.85 2.433480
Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum Ref Level 20.00 dBm Offset 2: Att 10 dB SWT	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	: Sweep	6.85 ( 2.433480 -47.97 (
Spectrum RefLevel 20.00 dBm Offset 2 Att 10 dB SWT 104 UW	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum RefLevel 20.00 dBm Offset 2: Att 10 dB SWT	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	Sweep	6.85 2.433480 -47.97
Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 1Pk View 10 dBm	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum Ref Level 20.00 dBm Offset 2: Att 10 dB SWT DIPL View 10 dBm 10 dBm	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	Sweep	6.85 2.433480 -47.97
Spectrum         Offset         Offset <thoffset< th=""> <thoffset< th=""> <thoffset< <="" td=""><td>23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep</td><td>-53.82 dBm</td><td>Spectrum           Ref Level 20.00 dBm         Offset 22           Att         10 dB         SWT           1Pk View         10 dBm         0 dBm           10 dBm        </td><td>13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode</td><td>Sweep</td><td>6.85 2.43340 15.585090</td></thoffset<></thoffset<></thoffset<>	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref Level 20.00 dBm         Offset 22           Att         10 dB         SWT           1Pk View         10 dBm         0 dBm           10 dBm	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	Sweep	6.85 2.43340 15.585090
Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 10 dBm 10 dBm 10 dBm 10 dBm	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref Level 20.00 dBm           Att         10 dB           9 IPk View           10 dBt           0 dBm	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	Sweep	6.85 2.433480 -47.97
Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 10 kBm 0 0 dBm 0	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref Level 20.00 dBm         Offset 22           Att         10 dB         SWT           1Pk View         10 dBm         0 dBm           10 dBm	13.30 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode	Sweep	6.85 ( 2.433480 -47.97 (
Spectrum           Ref Level 20.00 dBm         Offset 2           Att         10 dB         Swr           10 dBm         0         dBm           10 dBm         0         dBm           10 dBm         0         dBm           10 dBm         0         dBm	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2:           Att         10 dB         SWT           ID dBm         0         Bm           -10 dBm         -10 dBm         -10 dBm	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Mode Mode Mode Mode Mode Mode Mode	Sweep	6.85 ( 2.433480 -47.97 (
Spectrum           Ref Level 20.00 dBm         Offset 2           10 dB         swr           10 dBm         0           0 dBm         0           10 dBm         0           0 dBm         0           10 dBm         0           40 dBm         0	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref svel 20.00 d8m         Offset 21           Att         10 d8         SWT           IPI: View         10 d8ta         0           0 d8m	13.30 dB ee RBW 100 kHz 255 ms ee VBW 300 kHz Mode M	Sweep	6.85 2.433480 -47.97
Spectrum           Ref Level 20.00 dBm         Offset 2           10 dB         swr           10 dBm         0           0 dBm         0           10 dBm         0           0 dBm         0           10 dBm         0           40 dBm         0	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref Lovel 20.00 dBm         Offset 2:           Att         10 dB         SWT           ID dBfs         0         dBm           -10 dBm         -10 dBm         -20 dBm           -30 dBm         -30 dBm         -30 dBm	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Mod	Sweep 11[1] 12	6.85 2.433480 -47.97 15.585090
Spectrum           Ref Level         20.00 dBm         Offset         2           10 dBm         0         8 wr         0           10 dBm         0         0         0           10 dBm         0         0         0           10 dBm         0         0         0           30 dBm         01         -21.240 dBm         -30 dBm	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref svel 20.00 d8m         Offset 21           Att         10 d8         SWT           IPI: View         10 d8ta         0           0 d8m	23.30 dB ee RBW 100 kHz 255 ms ee VBW 300 kHz Mode M M M M M M M M M M M M M	Sweep 11[1] 12	6.85 2.433400 -47.97 15.385090
Spectrum           Ref Level 20.00 dBm         Offset 2           10 dB         Offset 2           10 dBm         0           20 dBm         01 -21.240 dBm           30 dBm         0           40 dBm         0           50 dBm         0           umm du with the first state of 1 - 1 - 10 - 10 - 10 - 10 - 10 - 10 -	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref svel 20.00 d8m         Offset 21           Att         10 d8         SWT           IPI: View         10 d8ta         0           0 d8m         0         0           -10 d8m         0         -0           -20 d8m         01 -21.240 d8m	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode	Sweep 11[1] 12	6.85 2.433480 -47.97 15.585090
Spectrum           RefLevel 20.00 dBm         Offset 2           10 dB         Swr           10 dB         Offset 2           10 dBm         0           10 dBm         0           10 dBm         0           10 dBm         0           20 dBm         01 -21.240 dBm           30 dBm         01           40 dBm         0           50 dBm         0           70 dBm         0	23.30 db e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep M1[1]	-53.82 dBm 844,9180 MHz	Spectrum           Ref Level 20.00 dBm         Offset 2:           Att         10 dB         SWT           9 IPk View         10 dBm         10 dBm           10 dBm         0 dBm         10 dBm           -10 dBm         01 -21.240 dBm	23.30 dB ee RBW 100 kHz 255 ms ee VBW 300 kHz Mode M	Sweep 11[1] 12	6.85 2.433400 -47.97 15.585090
Spectrum           Ref Level 20.00 dBm         Offset 2           10 dB         Swr           10 dB         Swr           10 dBm         0           40 dBm         0	23.30 dB <b>e RBW</b> 100 kHz 30.1 ms <b>e VBW</b> 300 kHz <b>Mode</b> Sweep	-53.82 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2:           Att         10 dB         SWT           ID: IP: View         ID         ID           0 dBm         ID         ID           -10 dBm         ID         -20 dBm           -30 dBm         ID         -21.240 dBm           -30 dBm         ID         -30 dBm	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode Mode	Sweep 11[1] 12	6.85 ( 2.433400 -47.97 15.585090

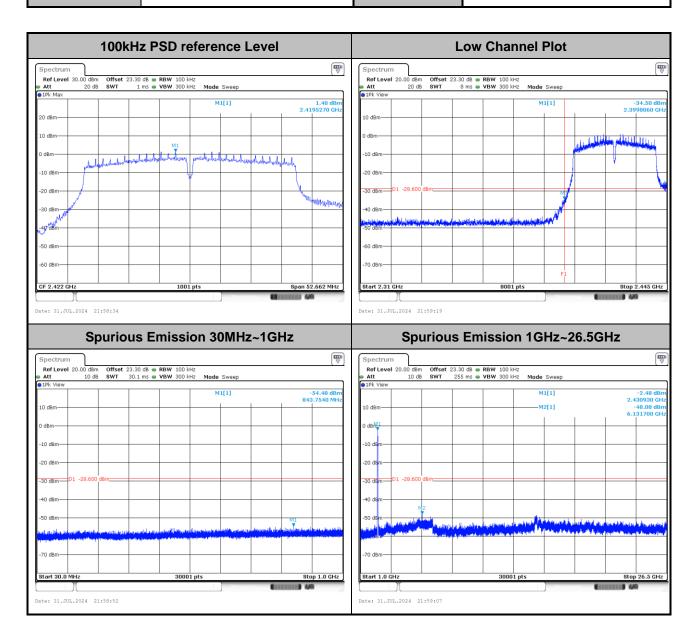


802.11n HT20





802.11n HT40



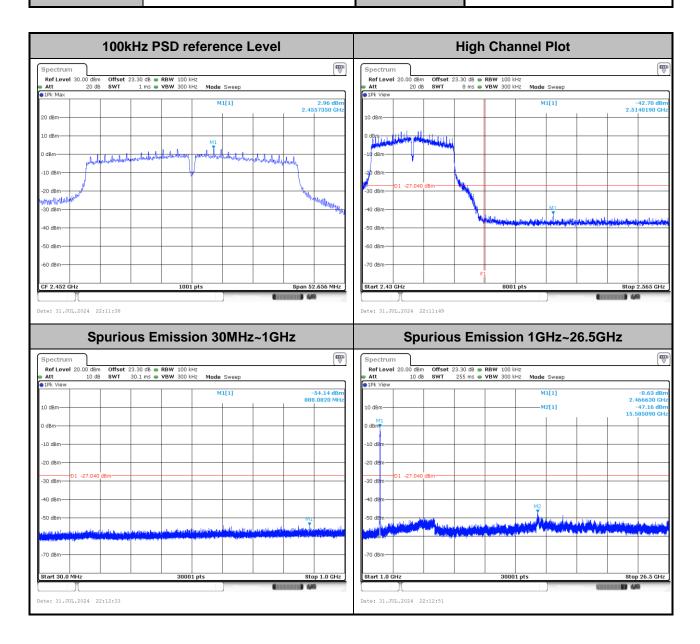


Test Mode :	802.11n HT40	Test Channel :	06
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100	kHz PSD reference	e Level		Middle C	hannel Plot	
Spectrum						
Ref Level 30.00 dBm Offset Att 20 dB SWT	23.30 dB      RBW 100 kHz     1 ms      VBW 300 kHz     Mode Sweep					
1Pk Max						
	M1[1]	3.15 dBm 2.4320020 GHz				
20 dBm						
10 dBm						
0 dBm	1					
monorpalaster	And the second	interviewherehereter				
-10 dBm	Y					
-20 dBm						
Month Minister So dBm		"huphiletteetruk				
-50 Ubin-						
40 dBm						
50 dBm						
(0.40m						
-60 dBm						
	1001 pts	Span 52.668 MHz				
CF 2.437 GHz	1001 pts					
te: 31.JUL.2024 22:05:29	N		Spuri	ous Emiss	ion 1GHz~26	5.5GHz
to: 31.JUL.2024 22:05:29	bus Emission 30M	Hz~1GHz	Spuri	ous Emiss	ion 1GHz~26	
te: 31.JUL.2024 22:05:29  Spectrum Ref Level 20.00 dlm Offset	DUS Emission 30M	Hz~1GHz	Spectrum Ref Level 20.00 dBm Of	ffset 23.30 dB 👄 RBW 1	.00 kHz	
te: 31.JUL.2024 22:05:29 Spectrum RefLevel 20.00 dBm Offset Att 10 dB SWT	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum Ref Level 20.00 dBm Of		.00 kHz 800 kHz Mode Sweep	
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 21Pk View	DUS Emission 30M	Hz~1GHz	Spectrum Ref Level 20.00 dBm Of Att 10 dB SV 01Pk View	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480
te: 31.JUL.2024 22:05:29 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 1Pk View	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum Ref Level 20.00 dBm Of Att 10 dB SV	ffset 23.30 dB 👄 RBW 1	.00 kHz 800 kHz Mode Sweep	0.99 (
tee: 31.JUL.2024 22:05:29      Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 10 k SWT 10 dBm	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum RefLevel 20.00 dBm Of Att 10 dB SV 91Pk View 10 dBm	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
te: 31.JUL.2024 22:05:29      Spectrum     Ref Level 20.00 dBm     Offset     Att 10 dB SWT     IPk View     O dBm     O dBm	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm Of           # Att         10 dB SV           ID dBm         M1	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
Image: style	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm Of           # Att         10 dB SV           10 dBm         10 dBm           -10 dBm         -10 dBm	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
te: 31.JUL.2024 22:05:29      Spectrum RofLevel 20.00 dBm Offset Att 10 dB SWT 10 dBm 10 dBm 10 dBm 20 dBm	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm Of           att         10 dB SV           IV View           10 dBm           -10 dBm           -20 dBm	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm Of           # Att         10 dB SV           10 dBm         10 dBm           -10 dBm         -10 dBm	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           1Pk View         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           20 dBm         0         0	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dbm         Of           Att         10 db         Of           10 dbm         Intervention         Intervention           10 dbm         Intervention         Intervention           10 dbm         Intervention         Intervention           -10 dbm         Intervention         Intervention           -20 dbm         Intervention         Intervention	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
Image: system is a	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm         Of           Att         10 dB         SV           10 dBm         10 dBm         10 dBm           -10 dBm         -10 dBm         -10 dBm           -20 dBm         -10 -26.850 dBm           -30 dBm         -40 dSm	ffset 23.30 dB 👄 RBW 1	00 kHz 000 kHz Mode Sweep M1[1]	0.99 2.433480 -48.24
Image: system is a	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dbm         Of           Att         10 dB           10 dbm         In           0 dbm         In           -10 dbm         In           -20 dbm         -20 dbm           -30 dbm         -10 -26.850 dbm	ffset 23.30 dB 👄 RBW 1	00 kH2 000 kH2 Mode Sweep M1[1] M2[1] M2[1] M2 M2	0.99 2.433400 82.24 15.574040
Image: system is a	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm         Of           Att         10 dB         SV           10 dBm         10 dBm         10 dBm           -10 dBm         -10 dBm         -10 dBm           -20 dBm         -10 -26.850 dBm           -30 dBm         -40 dSm	ffset 23.30 dB 👄 RBW 1	00 kH2 000 kH2 Mode Sweep M1[1] M2[1]	0.99 2.433480 -48.24 15.574040
tes: 31.JUL.2024 22:05:29      Spectrum      Ref Level 20.00 dbm     Offset     Att 10 db SWT      JIPK View      Job dbm     O dbm	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dBm         Of           Att         10 dB         SV           10 dBm         10 dBm         10 dBm           -10 dBm         -10 dBm         -10 dBm           -20 dBm         -10 -26.850 dBm           -30 dBm         -40 dSm	ffset 23.30 dB 👄 RBW 1	00 kH2 000 kH2 Mode Sweep M1[1] M2[1] M2[1] M2 M2	0.99 2.433400 82.24 15.574040
te: 31.JUL.2024 22:05:29      Spectrum     Ref Level 20.00 dBm     Offset     Att 10 dB SWT     Int View     OdBm     OdBm	Dus Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dbm         Of           Att         10 dB         SV           IPk View         10 dbm         IPk           10 dbm         IPk         IPk           40 dbm	ffset 23.30 dB 👄 RBW 1	00 kH2 000 kH2 Mode Sweep M1[1] M2[1] M2[1] M2 M2	0.99 2.433400 82.24 15.574040
Image: state	DUS Emission 30M           23.30 db • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	Hz~1GHz	Spectrum           Ref Level 20.00 dbm         Of           Att         10 dB         SV           IPk View         10 dbm         IPk           10 dbm         IPk         IPk           40 dbm	fset 23.30 dB   RBW 1 255 ms   VBW 3	00 kH2 000 kH2 Mode Sweep M1[1] M2[1] M2[1] M2 M2	0.99 2.433400 82.24 15.574040

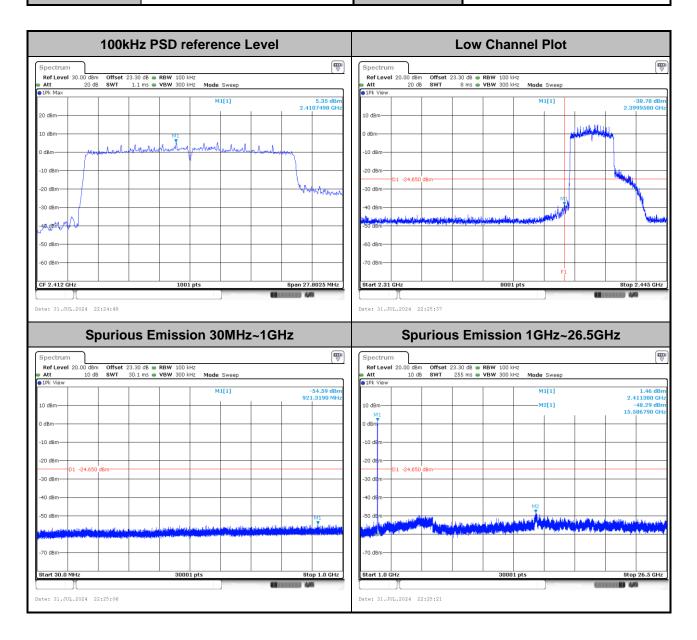


802.11n HT40





Test Mode :	802.11ax HE20_Full RU	Test Channel :	01
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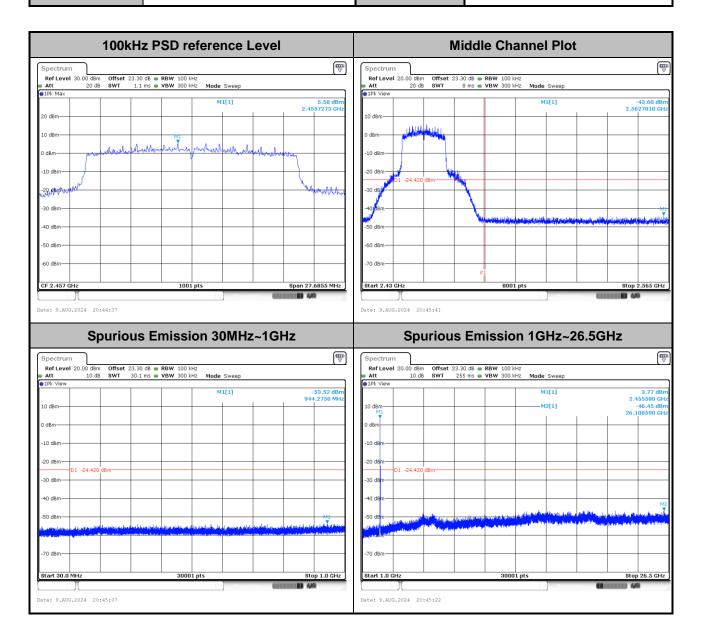


Test Mode :	802.11ax HE20_FullRU	Test Channel :	06
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100kl	Iz PSD reference Le	vel	Μ	iddle Channel Plot	
Spectrum					
Ref Level 30.00 dBm         Offset 23.           Att         20 dB         SWT	30 dB 👄 RBW 100 kHz 1 ms 👄 VBW 300 kHz Mode Sweep				
1Pk Max	· · · · · ·				
	M1[1]	8.03 dBm 2.4382835 GHz			
20 dBm					
10 dBm	<u>M1</u>				
) dBmMhrenland	unberellentry and maken held	Amerilania			
, abiii					
-10 dBm					
éd Viennau M		Warsotherand			
30 dBm					
40 dBm					
50 dBm					
60 dBm					
CF 2.437 GHz	1001 pts	Span 27.327 MHz			
	Measuring.	44			
te: 31.JUL.2024 22:30:58					
te: 31.JUL.2024 22:30:58					
	s Emission 30MHz~	1GHz	Spurious	Emission 1GHz~2	6.5GHz
Spuriou	s Emission 30MHz~	1GHz	Spurious	Emission 1GHz~2	
Spectrum Ref Level 20.00 dBm Offset 23.	30 dB 🖷 RBW 100 kHz		Spectrum Ref Level 20.00 dBm Offset 23.3	30 dB 👄 RBW 100 kHz	
Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 30	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	(The second seco	Spectrum Ref Level 20.00 dBm Offset 23.3	30 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep	
Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 30 1Pk View	30 dB 🖷 RBW 100 kHz		Spectrum Ref Level 20.00 dBm Offset 23.3 Att 10 dB SWT 25	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 c 2.439430
Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 30 1Pk View	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum Ref Level 20.00 dBm Offset 23.3 Att 10 dB SWT 25	30 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep	5.47 2.439430 -48.65
Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 30 1Pk View 0 dBm	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum Ref Level 20.00 dBm Offset 23.3 Att 10 dB SWT 25	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 2.439430 -48.65
Spectrum RefLevel 20.00 dbm Offset 23. Att 10 db Swr 30 1Pk View 0 dbm	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum           Ref Level 20.00 dBm         Offset 23.3           Att         10 dB         SWT         25           91Pk View         10 dB         10 dB         SWT         25           0 dBm         0 dBm         0 dBm         10 dB         10 dB	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 2.439430 -48.65
Spectrum           RefLevel 20.00 dBm         Offset 23.4           10 dB         BWT         30           110 dB         U         0           10 dBm         0         0           10 dBm         0         0	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum           Ref Level 20.00 dBm         Offset 23.3           Att         10 db         SWT         25           In db         SWT         25         10 db         10 db           In db         SWT         25         10 db         10 db         10 db           In db         In db         SWT         25         10 db	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 2.439430 -48.65 d
Spectrum Ref Level 20.00 dBm Offset 23.	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum           Ref Level 20.00 dBm         Offset 23.3           Att         10 dB         SWT         25           91Pk View         10 dB         10 dB         SWT         25           0 dBm         0 dBm         0 dBm         10 dB         10 dB	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 2.439430 -48.65 d
Spectrum           Ref Level 20.00 dBm         Offset 23. 10 dB           Att         10 dB           SPR         0           MBM         0           0 dBm         0           10 dB         0           0 dBm         0           0 dBm         0           10 dBm         0           10 dBm         0	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum           Ref Level 20:00 dBm         Offset 23:3           Att         10 dB         SWT         25           IPk View         0	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 2.439430 -48.65 (
Spectrum           Ref Level 20.00 dBm         Offset 23.           10 dB         SWT         30           0 dBm         0         0           10 dBm         0         0           20 dBm         01 -21.970 dBm         30	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum         Offset 23.3           Att         10 dB         SWT         25           9 19k View         0	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	5.47 2.439430 -48.65 (
Spectrum           RefLevel 20.00 dBm         Offset 23.4           Att         10 dB         SWT         30           JDK View         0         0         0         0           0 dBm         0         0         0         0         0           10 dBm         0         0         0         0         0         0           10 dBm         0<	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum           Ref Level 20:00 dBm         Offset 23:3           Att         10 dB         SWT         25           PIPk View         0         0         0         0           10 dBm         0         0         0         0         0           -10 dBm         0         0         0         0         0         0           -0 dBm         -10 -21.970 dBm         0         -10 -21.970 dBm         0         -10 -21.970 dBm	30 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]	6.5GHz
Spectrum           RefLevel 20.00 dBm         Offset 23. 10 dB           10 dB         SWT           10 dBm         0           40 dBm         0	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm	Spectrum         Offset 23.3           Att         10 dB         SWT         25           9 19k View         0	30 db e RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] M2[1] 	5.47 c 2.439430 48.65 5.863960
Spectrum           Ref Level 20.00 dBm         Offset 23.           10 dB         SWT         30           0 dBm         0         0           10 dBm         0         0           20 dBm         01 -21.970 dBm         30	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm 866.0640 MHz	Spectrum           Ref Level 20.00 dBm         Offset 23.3           Att         10 dB         SWT         25           IPk View         0	20 dB ⊕ RBW 100 kHz 55 ms ⊕ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1]	5.47 d 2.439430 48.65 5.863960
Spectrum           Ref Level 20.00 dBm         Offset 23.           Att View         30 dBm           10 dBm         0           10 dBm         0           20 dBm         01 -21.970 dBm           30 dBm         01 -21.970 dBm           30 dBm         01 -21.970 dBm	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm 866.0640 MHz	Spectrum         Offset 23.3           Att         10 dB         SWT         25           1Pk View         0	30 db e RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] M2[1] 	5,47 d 2,499430 
Spectrum           RefLevel 20.00 dBm         Offset 23. 10 dB           10 dB         SWT           10 dBm         0           40 dBm         0	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm 866.0640 MHz	Spectrum           Ref Level 20.00 dBm         Offset 23.3           Att         10 dB         SWT         25           IPk View         0	30 db e RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] M2[1] 	5,47 d 2,499430 
Spectrum           Ref Level 20.00 dBm         Offset 23.           Att         10 dB         SWT           10 dBm         0         BWT         30           10 dBm         0         0         0         0           10 dBm         0         0         0         0           10 dBm         0         0         0         0           20 dBm         01 -21.970 dBm         0         0         0           30 dBm         0         -         0         0         0         0           10 dBm         0         -         0	30 db e RBW 100 kHz 11 ms e VBW 300 kHz Mode Sweep M1[1]	-54.90 dBm         866.0640 MHz           0         0	Spectrum         Offset 23:           Att         10 dB         SWT         25           11k View         10 dB         SWT         25           12k View         0         0         0         0           10 dBm         0         0         0         0           -10 dBm         0         0         0         0           -30 dBm         -10 dBm         -10         0         0           -30 dBm         -10 dBm         MG         -10         0           -70 dBm         -70 dBm         -70         0         -70         -	30 dB ⊕ RBW 100 kHz 55 ms ⊕ VBW 300 kHz Mode Sweep M1[1] M2[1	5.47 d 2.49430 -48.65 5.863960
Spectrum           Ref Level 20.00 dBm         Offset 23.           Att View         30 dBm           10 dBm         0           10 dBm         0           20 dBm         01 -21.970 dBm           30 dBm         01 -21.970 dBm           30 dBm         01 -21.970 dBm	30 dB ● RBW 100 kHz .1 ms ● VBW 300 kHz Mode Sweep	-54.90 dBm 866.0640 MHz	Spectrum         Offset 23.3           Att         10 dB         SWT         25           1Pk View         0	30 db e RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] M2[1] 	5,47 d 2,499430 

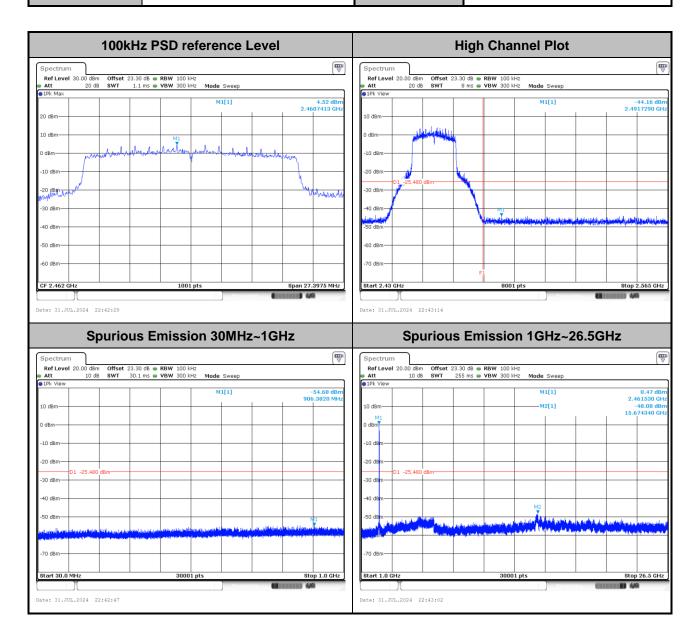


Test Mode :	802.11ax HE20_FullRU	Test Channel :	10
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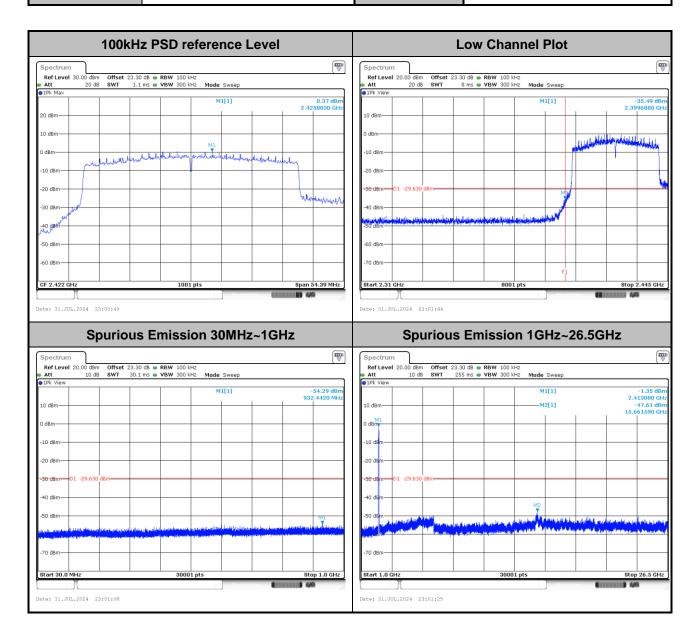


Test Mode :	802.11ax HE20_Full RU	Test Channel :	11
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Test Mode : 802.11ax HE40_Full RU	Test Channel : 03
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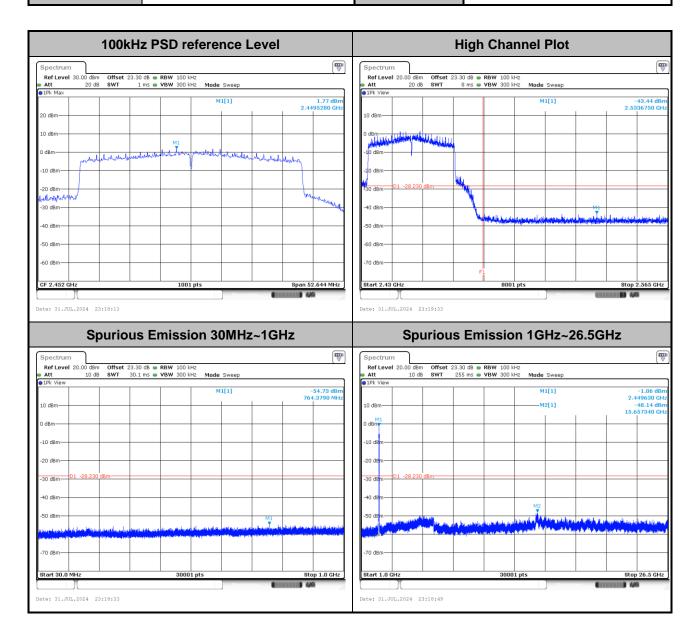


Test Mode :	802.11ax HE40_Full RU	Test Channel :	06
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100	kHz PSD reference I	_evel		Middle Ch	hannel Plot	
pectrum						
Ref Level 30.00 dBm Offset Att 20 dB SWT	23.30 dB   RBW 100 kHz 1.1 ms   VBW 300 kHz  Mode Sweep					
1Pk Max		2.78 dBm				
	M1[1]	2.78 dBm 2.4345440 GHz				
D dBm						
0 dBm						
dBm	M1					
dBm production with m	there are a second and the second	robertahaberten				
LO dBm						
20 dBm						
O dBm		Wyma and have my all				
0 dBm						
0 dBm						
i0 dBm						
o ubiii						
0 dBm						
F 2.437 GHz	1001 pts	Span 53.454 MHz				
e: 31.JUL.2024 23:06:39	Measur	«	Spurio	ous Emissi	on 1GHz~26	.5GHz
Spuric	ous Emission 30MHz			ous Emissi	on 1GHz~26	5.5GHz
e: 31.JUL.2024 23:06:39  Spuric  pectrum Ref Level 20.00 dBm Offset	Dus Emission 30MHz	unin w z~1GHz (₩)	Spectrum Ref Level 20.00 dBm Offsi	et 23.30 dB 👄 RBW 10	0 kHz	5.5GHz
se: 31.JUL.2024 23:06:39 Spuric	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	(₩)	Spectrum	et 23.30 dB 🖷 RBW 10	0 kHz 0 kHz <b>Mode</b> Sweep	
te: 31.JUL.2024 23:06:39     Spuric     ipectrum     Ref Level 20.00 dBm Offset     Att 10 dB SWT	Dus Emission 30MHz		Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT	et 23.30 dB 👄 RBW 10	0 kHz	.5GHz
ce: 31.JUL.2024 23:06:39      Spuric      ipectrum     Ref Level 20.00 dBm Offset     Att 10 dB SWT      IPk View	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz <b>Mode</b> Sweep	-1.32
Are: 31.JUL.2024 23:06:39  Spuric  pectrum Ref Level 20.00 dBm Offset Att 10 dB swT  PK View  D dBm	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum Ref Level 20.00 dBm Offs • Att 10 dB SWT • 1Pk View	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1]	-1.32 2.436584 -47.56
	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum         Offse           Ref Level 20.00 dBm         Offse           Att         10 dB         SWT           ID dBm         0 dBm         0 dBm	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1]	-1.32 2.436584 -47.56
	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum Ref Level 20.00 dBm Offs: Att 10 dB SWT PIPk View 10 dBm	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1]	-1.32 2.436584 -47.56
e: 31.JUL.2024         23:06:39           Spuric         Spuric           pectrum         0 dBm           JO dBm         Offset           0 dBm         0 dBm	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum         Offse           Ref Level 20.00 dBm         Offse           Att         10 dB         SWT           ID dBm         0 dBm         0 dBm	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1]	-1.32 2.436584 -47.56
	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum           Ref Level 20.00 dbm         Offs:           Att         10 db         SWT           IPk View         I         I           0 dbm         I         I           -10 dbm         I         I	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1]	-1.32 2.436584 -47.56
	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum           Ref Level 20.00 dBm         Offs: SWT           • Att         10 dB           • IPk View         0           10 dBm         0           -10 dBm         -           -10 dBm         -           -30 dBm         01 -27.220 dBm	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1]	-1.32 2.436584 -47.56
ter 31.JUL.2024 23:06:39      Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT IPK View      dBm     dBm     dBm     0 dBm     0 dBm     01 -27.220 dBm	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum           Ref Level 20.00 dBm         Offs           9 Att         10 dB           9 IPk View         Interference           10 dBm         Interference           10 dBm         Interference           -0 dBm         Interference           -20 dBm         Interference	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1] 	-1.32 2.436584 -47.56
Image: Second	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.81 dBm	Spectrum           Ref Level 20.00 dBm         Offs: SWT           • Att         10 dB           • IPk View         0           10 dBm         0           -10 dBm         -           -10 dBm         -           -30 dBm         01 -27.220 dBm	et 23.30 dB 👄 RBW 10	0 kH2 0 kH2 Mode Sweep M1[1] 	-1.32 2.43958 -47.55 15.67009(
.e: 31.JUL.2024         23:06:39           Spectrum	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.91 dBm	Spectrum           Ref Level 20.00 dBm         Offs           10 dB         SWT           IPk View         ID           0 dBm         ID           -10 dBm         ID           -20 dBm         OI -27.220 dBm           -40 dSm         ID	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1] 	-1.32 2.43958 -47.55 15.67009(
ter 31.JUL.2024 23:06:39      Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT IPK View  0 dBm 00 dBm 00 dBm 00 dBm	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.91 dBm	Spectrum           Ref Level 20.00 dBm         Offs           10 dB         SWT           IPk View         ID           0 dBm         ID           -10 dBm         ID           -20 dBm         OI -27.220 dBm           -40 dSm         ID	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1] M2[1] M2 M2 M2	-1.32 2.43958 -47.55 15.67009(
	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.91 dBm	Spectrum           Ref Level 20.00 dBm         Offs           10 dB         SWT           IPk View         ID           0 dBm         ID           -10 dBm         ID           -20 dBm         OI -27.220 dBm           -40 dSm         ID	et 23.30 dB 👄 RBW 10	0 kHz 0 kHz Mode Sweep M1[1] M2[1] M2 M2 M2	-1.32 2.43958 -47.55 15.67009(
Exercise 1	23.30 d8 * RBW 100 Hz 30.1 ms * VBW 300 Hz Mode Sweep M1[1] M1[1]	-54.81 dBm 971.7580 MHz	Spectrum           Ref Level 20.00 dBm         Offs           Att         10 dB           91Pk View         0           0 dBm         0           -10 dBm         -           -20 dBm         -           -30 dBm         01 -27.220 dBm           -30 dBm         -           -70 dBm         -	et 23.30 dB  et RBW 10 255 ms  et VBW 30	0 1Hz 0 1Hz 0 1Hz M1[1] M2[1] M2 M2 M2 M2	-1.32 2.430580 -47.55 15.670090
Image: Second	Dus Emission 30MHz           23.30 dB • RBW 100 kHz           30.1 ms • VBW 300 kHz           Mode Sweep	-54.91 dBm	Spectrum           Ref Level 20.00 dBm         Offse           Att         10 dB           91Pk View         0           0 dBm         0           -10 dBm         -           -20 dBm         -           -30 dBm         01 -27,220 dBm           -30 dBm         -           -50 dBm         -	et 23.30 dB  et RBW 10 255 ms  et VBW 30	0 kHz 0 kHz Mode Sweep M1[1] M2[1] M2 M2 M2	-1.32 2.43958 -47.55 15.67009(



Test Mode : 802.11ax HE40_Full RU	Test Channel: 09	
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# Number of TX = 2, Ant. 2 (Measured)

Test Mode :	802.11b	Test Channel :	01

100	kHz PSD reference Lev	/el		Low Channel	Plot	
Spectrum		SI SI	pectrum			
Ref Level 30.00 dBm Offset	23.30 dB 🖷 RBW 100 kHz			23.30 dB 👄 RBW 100 kHz		(
Att 20 dB SWT 1Pk Max	1 ms 🖶 VBW 300 kHz Mode Sweep		Att 20 dB SWT Pk View	8 ms 🖷 VBW 300 kHz Mode	e Sweep	
	M1[1]	12.53 dBm		N	41[1]	-37.06 dB
0 dBm		2.4125080 GHz	dBm			2.3970220 G
	M1					
0 dBm	American American	0 c	iBm			
dBrown		- mangend	) dBm		l M	N I
dBm		-10			1	
10 dBm		-20	0 dBm D1 -17.470 dBm			
20 dBm-		-30	) dBm		M1 (	141
30 dBm		-4(	) dBm			
		in the second	i la fa esta la cara de la cara d	Calles a series of the second	JUN Y	14mm
40 dBm		-50	) dBm			
50 dBm		-56	) dBm			
60 dBm		-70	) dBm		+ + +	
					F1	
CF 2.412 GHz	1001 pts	Span 11.304 MHz St	art 2.31 GHz	8001 pts		Stop 2.445 G
	ous Emission 30MHz~1		»: 31.JUL.2024 01:41:44 Spuriou	s Emission 1G	Hz~26.5G	Hz
	ous Emission 30MHz~1	IGHz	Spuriou	is Emission 1G	Hz~26.5G	
Spectrum Ref Level 20.00 dBm Offset	23.30 dB 🖷 RBW 100 kHz	IGHz	Spuriou	23.30 dB 👄 <b>RBW</b> 100 kHz		
Spurio		IGHz	Spuriou	23.30 dB 👄 <b>RBW</b> 100 kHz	Hz~26.5G	
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	23.30 dB 🖷 RBW 100 kHz	-53.08 dBm	Spuriou	23.30 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode		9.83 di
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	IGHz	Spuriou	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	₃ Sweep	9.83 d 2.411380 ( -48.16 d
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT IPK View 0 dBm 0 dBm 0	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.00 dbm 008.0000 MHz	Spuriou Ref Level 20.00 dBm Offset 3 Ref Level 20.00 dBm Offset 3 Pk View M1 dBm	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 ( -48.16 d
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.00 dbm 008.0000 MHz	Spuriou	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 ( -48.16 d
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT IPK View 0 dBm 0 dBm 0	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	IGHz	Spuriou Ref Level 20.00 dBm Offset 3 Ref Level 20.00 dBm Offset 3 Pk View M1 dBm	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 ( -48.16 d
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           10 dBm         0         dBm           10 dBm         0         0           10 dBm         0         0	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.00 ddm 800.8030 MHz 10 10	Spuriou bectrum ter Level 20.00 dBm Offset 1 10 dB SWT Pk View M1 dBm 0 dem 01 - 17 470 dBm	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 C -48.16 d
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 1Pk View 0 dBm 0 dBm 0 10 dBm 0 10 dBm 0	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.00 ddm 800.8030 MHz 10 10	Spuriou	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 -48.16 d
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           10 dBm         0         dBm           10 dBm         0         0           10 dBm         0         0	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 808.8030 MHz	Spuriou bectrum tef Level 20.00 dBm Offset 1 10 dB SWT Pk View M1 dBm 0 dem 01 - 17 470 dBm	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 -48.16 d
Spectrum           Ref Level 20.00 dBm         Offset           10 dB         Swr           0 dBm         0           10 dB         0           0 dBm         0           20 dBm         01 -17.470 dBm           30 dBm         01 -17.470 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 008.0030 MHz	Minimum         Spectrum           Lef Level 20.00 dbm         0 ffset 1           10 db         Swr           Pk View         0           Min         0           0 dbm         0 dbm           0 dbm         01 -17.470 dbm           0 dbm         01 -17.470 dbm	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 ( -48.16 d
Spectrum           Ref Level         20.00 dBm         Offset           Att         10 dB         swr           1Pk View         0         dBm           0 dBm         0         10           10 dB         0         10           20 dBm         0         1-17.470 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 008.0030 MHz	Spuriou Sectum ter Level 20.00 dBm Offset : 10 dB BwT Pk View M1 dBm dBm 0 dBm 0 dBm 0 d m 0 1 -17.470 dBm	23.30 dB	9 Sweep M1[1]	9.83 d 2.411380 ( -48.16 d
Spectrum           Ref Level 20.00 dBm         Offset           10 dB         Swr           0 dBm         0           10 dB         0           0 dBm         0           20 dBm         01 -17.470 dBm           30 dBm         01 -17.470 dBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 908.8030 MHz 10 	Minimum         Spectrum           Lef Level 20.00 dbm         0 ffset 1           10 db         Swr           Pk View         0           Min         0           0 dbm         0 dbm           0 dbm         01 -17.470 dbm           0 dbm         01 -17.470 dbm	23.30 dB • RBW 100 kHz 255 ms • YBW 300 kHz Mode	9 Sweep M1[1]	9.83 d 2.411380 ( -48.16 d
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           10 dB         SWT         IdBm           0 dBm         0         IdBm         IdBm           10 dBm         01 -17.470 dBm         IdBm         IdBm           20 dBm         01 -17.470 dBm         IdBm         IdBm         IdBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 908.8030 MHz 10 	Spuriou pectrum ter Level 20.00 dim Offset : 10 dB SWT Pk View dBm dBm dBm 0 dem 0 dem 0 dem	23.30 dB	9 Sweep M1[1]	9.83 d 2.411380 - - 48.16 d 15.56940 C
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           10 dB         SWT         IdBm           0 dBm         0         IdBm         IdBm           10 dBm         01 -17.470 dBm         IdBm         IdBm           20 dBm         01 -17.470 dBm         IdBm         IdBm         IdBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 908.8030 MHz 10 	Spuriou pectrum ter Level 20.00 dim Offset : 10 dB SWT Pk View dBm dBm dBm 0 dem 0 dem 0 dem	23.30 dB	9 Sweep M1[1]	9.83 d 2.411380 - - 48.16 d 15.56940 C
Spectrum           Ref Lovel 20.00 dBm         Offset           10 dB         SWT           10 dB         SWT           0 dBm         0           10 dBm         0           20 dBm         0           30 dBm         0           40 dBm         0           90 dBm         0           10 dBm         0 </td <td>23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep</td> <td>-53.08 dBm 008.030 MHz 100 100 100 100 100 100 100 100 100 10</td> <td>Spuriou pectrum ter Level 20.00 dim Offset : 10 dB SWT Pk View dBm dBm dBm 0 dem 0 dem 0 dem</td> <td>23.30 dB</td> <td>9 Sweep M1[1]</td> <td>9.83 d 2.411380 d 15.569940 d 15.569940 d</td>	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 008.030 MHz 100 100 100 100 100 100 100 100 100 10	Spuriou pectrum ter Level 20.00 dim Offset : 10 dB SWT Pk View dBm dBm dBm 0 dem 0 dem 0 dem	23.30 dB	9 Sweep M1[1]	9.83 d 2.411380 d 15.569940 d 15.569940 d
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           10 dB         SWT         IdBm           0 dBm         0         IdBm         IdBm           10 dBm         01 -17.470 dBm         IdBm         IdBm           20 dBm         01 -17.470 dBm         IdBm         IdBm         IdBm	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 008.030 MHz 100 100 100 100 100 100 100 100 100 10	Spuriou	23.30 dB	9 Sweep M1[1]	9.83 d 2.411300 0 -40.16 d 15.556940 0
Spectrum           Ref Lovel 20.00 dBm         Offset           10 dB         SWT           10 dB         SWT           0 dBm         0           10 dBm         0           20 dBm         0           30 dBm         0           40 dBm         0           90 dBm         0           10 dBm         0 </td <td>23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep</td> <td>-53.08 dBm 808.8030 MHz </td> <td>Spuriou</td> <td>23.30 dB</td> <td>9 Sweep M1[1]</td> <td>9.83 d 2.411380 d 15.569940 d 15.569940 d</td>	23.30 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep	-53.08 dBm 808.8030 MHz 	Spuriou	23.30 dB	9 Sweep M1[1]	9.83 d 2.411380 d 15.569940 d 15.569940 d
Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dBm           10 dBm         0 dBm           0 dBm         0           10 dBm         0           10 dBm         0           20 dBm         0           20 dBm         0           10 dBm         0           20 dBm         0           40 dBm         0           50 dBm         0           70 dBm         0	23.30 db • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep M1[1]	-53.08 dBm 808.030 MHz 	Spuriou           Dectrum         10 db SWT           Kef Level 20.00 dbm Offset 1         0 df SWT           J0 db SWT         10 db SWT           0 dbm Offset 1         10 db SWT	23.30 dB	9 Sweep M1[1]	9.83 d 2.411300 - 48.16 d 15.56940 d 15.5694



Test Mode :802.11bTest Channel :06	Test Mode :	802.11b	Test Channel :	06
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100	Hz PSD reference I	Level	Ν	Middle Channel Plo	ot
Spectrum					
Ref Level 30.00 dBm Offset Att 20 dB SWT	23.30 dB      RBW 100 kHz     1.1 ms      VBW 300 kHz     Mode Sweep				
1Pk Max	M1[1]	14.45 dBm			
	MILI	2.4375045 GHz			
D dBm	M1				
0 dBm	hand had had	mander And			
dBm	V				
10 dBm		$\sim$			
IU dBm					
20 dBm					
30 dBm					
40 dBm					
50 dBm-					
60 dBm					
CF 2.437 GHz	1001 pts	Span 12.033 MHz			
	us Emission 30MH	z~1GHz	Spuriou	s Emission 1GHz~	26.5GHz
	us Emission 30MH			s Emission 1GHz~	
Spectrum Ref Level 20.00 dBm Offset	23.30 dB <b>e RBW</b> 100 kHz	z~1GHz	Spectrum Ref Level 20.00 dBm Offset 2	23.30 dB 🖷 <b>RBW</b> 100 kHz	
Spectrum Ref Level 20.00 dBm Offset	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	( <del>W)</del>	Spectrum Ref Level 20.00 dBm Offset 2	23.30 dB <b>• RBW</b> 100 kHz 255 ms <b>• VBW</b> 300 kHz <b>Mode</b> Sweep	(
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	23.30 dB <b>e RBW</b> 100 kHz		Spectrum Ref Level 20.00 dBm Offset : Att 10 dB SWT 1Pk View M1	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	13.31 d 2.438580 (
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 1Pk View	23.30 dB <b>• RBW</b> 100 kHz 255 ms <b>• VBW</b> 300 kHz <b>Mode</b> Sweep	13.31.d 2.438580 -48.36 d
Spectrum           Ref Level 20.00 dBm Offset           Att         10 dB SWT           1Pk: View           10 dBm	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum Ref Level 20.00 dBm Offset : Att 10 dB SWT 1Pk View M1	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	13.31 d 2.438580 ( -48.36 d
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum Ref Level 20.00 dBm Offset 3 Att 10 dB SWT It View M1 10 dBm	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	13.31 d 2.438580 ( -48.36 d
Spectrum           Ref Level         20.00 dBm         Offset           Att         10 dB         SWT           10 dBm         0         Bm           10 dBm         0         0           10 dBm         0         1.15.550 dBm	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Rof Level 20.00 dBm Offset 3           Att 10 dB SWT           I0 dBm           0 dBm           -10 dBm           01 -15.550 dBm	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	13.31.d 2.438580 -48.36 d
Spectrum           Ref Level         20.00 dBm         Offset           Att         10 dB         SWT           19k View         0         dBm         0           10 dBm         01         -15.550 dBm         01	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Ref Level 20.00 dBm         Offset 3           Att         10 dB         SWT           It k View         Mi         1           10 dBm         0 dBm         0 dBm           -10 dBm         -         -	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	13.31 d 2.438580 ( -48.36 d
Spectrum           Ref Level         20.00 dBm         Offset           Att         10 dB         SWT           10 dBm         0         0         0           10 dBm         0         0         0           10 dBm         0         0         0	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Rof Level 20.00 dBm Offset 3           Att 10 dB SWT           I0 dBm           0 dBm           -10 dBm           01 -15.550 dBm	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1]	13.31.d 2.438580.0 - 48.36.d
Spectrum           Ref Level         0.00 dBm         Offset           10 dB         900 dBm         000 dBm         000 dBm           10 dBm         000 dBm         000 dBm         000 dBm         000 dBm           10 dBm         01 -15.550 dBm         000 dBm	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Mathematical Spectrum         Offset 2           Ref Level 20.00 dBm         Offset 2           Att         10 dB SWT           It is a second seco	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1]	13.31.d 2.438580 -48.36 d
Spectrum           Ref Level         20.00 dBm         Offset           10 dB         10 dB         SWT           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         1           10 dBm         0         1           10 dBm         0         4	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Ref Level 20.00 dBm         Offset 3           • Att         10 dB         SWT           • Ibk View         Mi         1           • 10 dBm         0         0 dBm           • 10 dBm         0         0           • -0 dBm	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1]	13.31 d 2.438500 48.36 d 15.69740 C
Spectrum           Ref Level         20.00 dBm         Offset           10 dB         10 dB         Swr           11Pk View         0         dBm           10 dBm         01         -15.550 dBm           -20 dBm         01         -15.550 dBm	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Ref Level 20.00 dBm Offset 3           Att         10 dB SWT           ID dBh         0           Mt         0           ID dBh         0           O dBm         01 -15.550 dBm           -30 dBm         -30 dBm	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2 M2	13.31 d 2.49850 d 15.609740 d
Spectrum           Ref Level         20.00 dBm         Offset           Att         10 dB         SWT           10 dBm         0         Bm           10 dBm         0         1-15.550 dBm           20 dBm         01 -15.550 dBm         30 dBm	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Ref Level 20.00 dBm         Offset 3           • Att         10 dB         SWT           • Ibk View         Mi         1           • 10 dBm         0         0 dBm           • 10 dBm         0         0           • -0 dBm	23.30 dB @ RBW 100 kHz 255 ms @ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1]	13.31 d 2.438500 - 48.36 d 15.609740 C
Spectrum           Ref Level         20.00 dBm         Offset           10 dB         10 dB         SWT           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         1           10 dBm         0         1           10 dBm         0         4	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Ref Level 20.00 dBm         Offset 3           • Att         10 dB         SWT           • Ibk View         Mi         1           • 10 dBm         0         0 dBm           • 10 dBm         0         0           • -0 dBm	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2 M2	
Spectrum           Ref Level         20.00 dBm         Offset           Att         10 dB         SWT           10 dBm         01         0         0           10 dBm         01         -15.550 dBm         -0           -20 dBm         01         -15.550 dBm         -0           -30 dBm         -0         -0         -0           -50 dBm         -0         -0         -0           -70 dBm         -0         -0         -0         -0	23.30 dB = RBW 100 kHz 30.1 ms = VBW 300 kHz M1[1] M1[1	-S4.58 dBm 884.5900 MHz	Spectrum           Ref Level 20.00 dBm         Offset 2           Att         10 dB         SWT           IPk View         MI         1           10 dBm         0         0           0 dBm         0         0           -10 dBm         01 -15.550 dBm         -           -20 dBm         -         -           -30 dBm         -         -           -70 dBm         -         -	23.30 dB	13.31 di 2.430580 di 35.609740 di 15.609740
Spectrum           Ref Level 20.00 dBm Offset 10 dBm         Offset 91Pk View           10 dBm         0           0 dBm         0           -0 dBm         0           -30 dBm         0           -40 dBm         0           -50 dBm         0	23.30 dB 👄 <b>RBW</b> 100 kHz 30.1 ms 👄 <b>VBW</b> 300 kHz Mode Sweep	-54.58 dBm	Spectrum           Ref Level 20.00 dBm         Offset 2           Att         10 dB         SWT           ●1Pk View         M1         1           0 dBm         0 dBm         0           -10 dBm         0         0           -30 dBm         -01 -15.550 dBm         -01           -30 dBm         -01 -15.550 dBm         -01 -15.550 dBm	23.30 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2 M2	13.31 di 2.435800 48.36 di 15.609740 di 15.6097400000000000000000000000000000000000