



# FCC RADIO TEST REPORT

FCC ID	:	S9GR550
Equipment	:	Wireless Access Point
Brand Name	:	Ruckus
Model Name	:	R550
Applicant	:	Ruckus Wireless Inc. 350 W. Java Dr., Sunnyvale CA 94089 USA
Manufacturer	:	Ruckus Wireless Inc. 350 W. Java Dr., Sunnyvale CA 94089 USA
Standard	:	FCC Part 15 Subpart C §15.247

The product was received on Jan. 22, 2020 and testing was started from Jan. 28, 2020 and completed on Mar. 10, 2020. We, Sporton International (USA) Inc., 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 report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of government.

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

Von Chen

Approved by: Ken Chen

Sporton International (USA) Inc.

1175 Montague Expressway, Milpitas, CA 95035



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# History of this test report

Report No.	Version	Description	Issued Date
FR200117001C	01	Initial issue of report	Mar. 23, 2020
FR200117001C	02	Revising antenna gain information.	Apr. 17, 2020



# 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	Reporting only	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power 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	Under limit 0.20 dB at 2390.000 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 2.48 dB at 0.461 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	Pass	-

#### Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

#### Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



## **1** General Description

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

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and Zigbee.

Product Specification subjective to this standard				
	WLAN			
	<ant. 1="">: Internal Antenna</ant.>			
Antenna Type	<ant. 2="">: Internal Antenna</ant.>			
	Bluetooth: Metal Antenna			
	Zigbee: Metal Antenna			

## **1.2 Modification of EUT**

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

## **1.3 Testing Location**

Test Site	Sporton International (USA) Inc.				
Test Site Location	1175 Montague Expressv TEL : 408 9043300	1175 Montague Expressway, Milpitas, CA 95035 FEL : 408 9043300			
Test Site No.	Sporton Site No.				
Test Sile No.	TH01-CA	CO01-CA	03CH02-CA		

## 1.4 Applicable Standards

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

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 DTS 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 test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

#### 2 **Test Configuration of Equipment Under Test**

- The EUT has been associated with peripherals and configuration operated in a manner tended to a. 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, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

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

## 2.1 Carrier Frequency and Channel



## 2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

#### **MIMO** Antenna

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

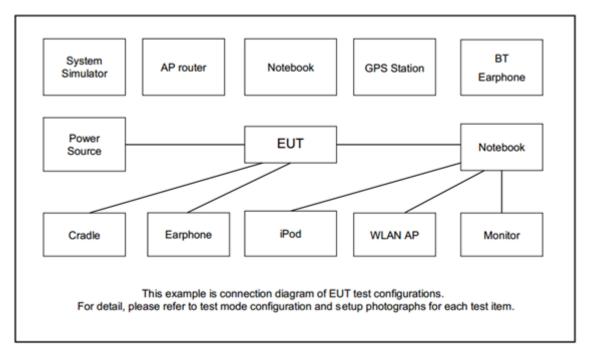
Test Cases				
AC				
Conducted	Mode 1 : WLAN (2.4GHz) Link + WLAN (5GHz) Idle + zigbee Idle + PoE + LAN Link			
Emission				

Ch #				
Ch. #	802.11b	802.11g	802.11ax HE20	802.11ax HE40
Low	01	01	01	03
Middle	06	06	06	06
High	11	11	11	09

**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.



# 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Laptop	DELL	P79G	FCC DoC	N/A	N/A
3.	Laptop	DELL	E6430	N/A	N/A	N/A
4.	Notebook	HP	15t-cu000	PD97265NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	USB Flash drive	SanDisk	N/A	N/A	N/A	N/A
6.	PoE Adapter	Ruckus Wireless Inc.	N/A	N/A	N/A	N/A
7.	Adapter	Ruckus Wireless Inc.	APH-5020	N/A	N/A	N/A



## 2.5 EUT Operation Test Setup

The RF test items, utility "Putty" 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 10dB 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

See list of measuring equipment of 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 was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT 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



EUT

Spectrum Analyzer



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

Please refer to Appendix A.



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



## 3.2 Output Power Measurement

#### 3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for average output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is used, the average 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 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

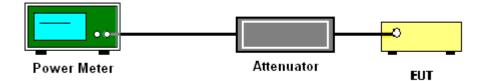
#### **3.2.2 Measuring Instruments**

See list of measuring equipment of this test report.

#### 3.2.3 Test Procedures

- 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 was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT 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 8dBm in any 3kHz band at any time interval of continuous transmission.

#### 3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

## 3.3.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz.
   Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
- 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
- 6. Measure and record the results in the test report.
- For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

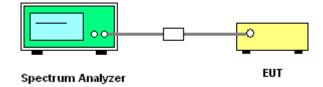
If measurements performed using method (2) plus 10 log (N) exceeds the emission limit, the test should choose method (1) before declaring that the device fails the emission limit.

Method (1): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum. Method (2): Measure and add 10 log (N) dB, where N is the number of outputs. (N=2)

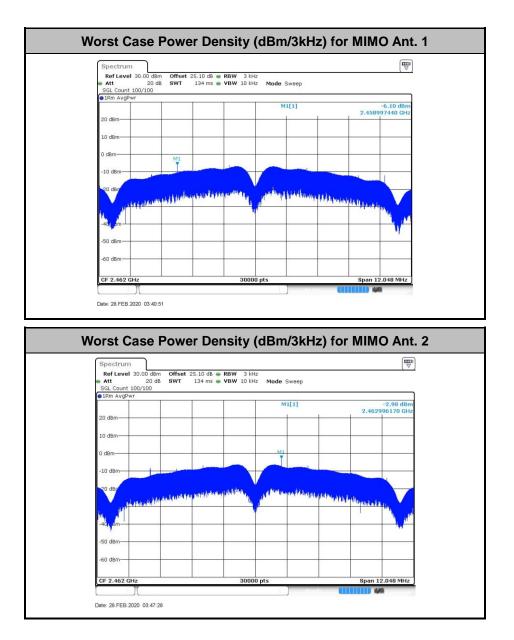


#### 3.3.4 Test Setup

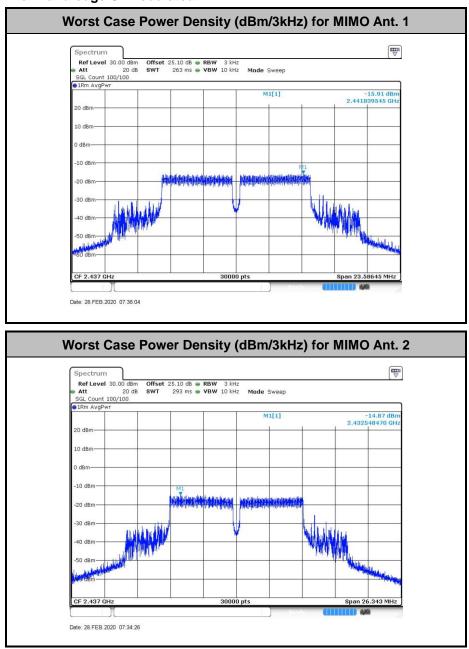


## 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

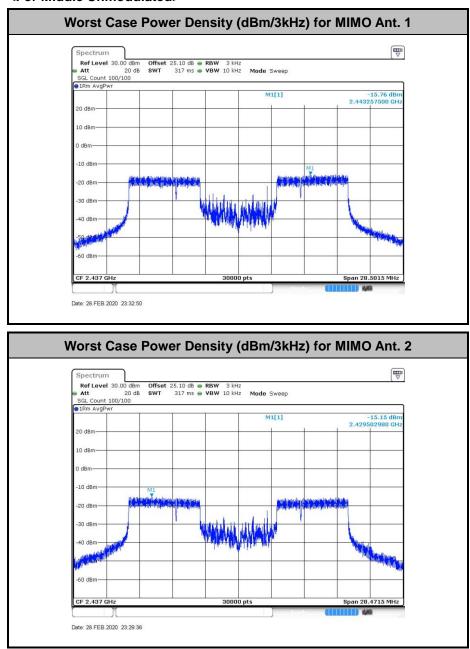






#### <For Band-edge Unmodulated>





#### <For Middle Unmodulated>

## 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.

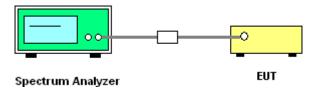
## 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.4.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT 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 30 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

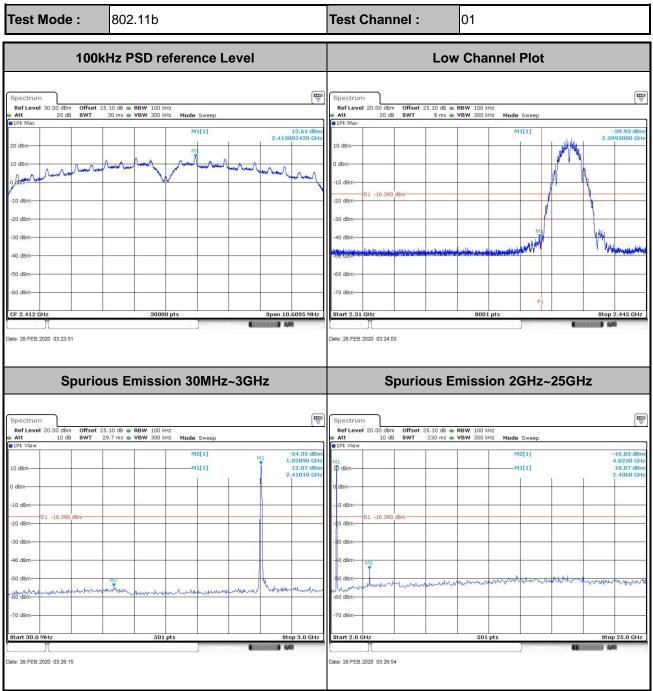




## 3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Engineer :	est Engineer : Howard Lin	Temperature :	<b>21~25</b> ℃
Test Engineer .		Relative Humidity :	51~54%

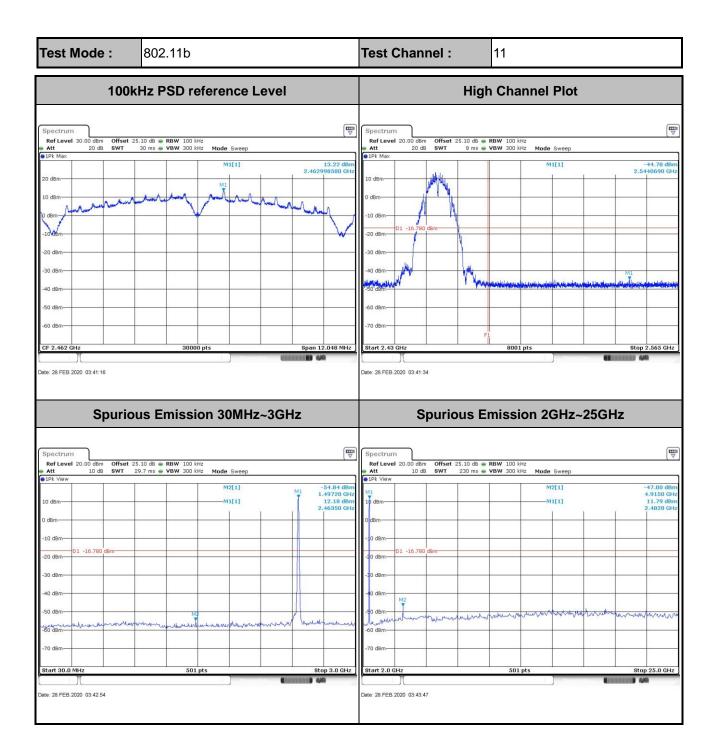
#### Number of TX = 2, Ant. 1 (Measured)



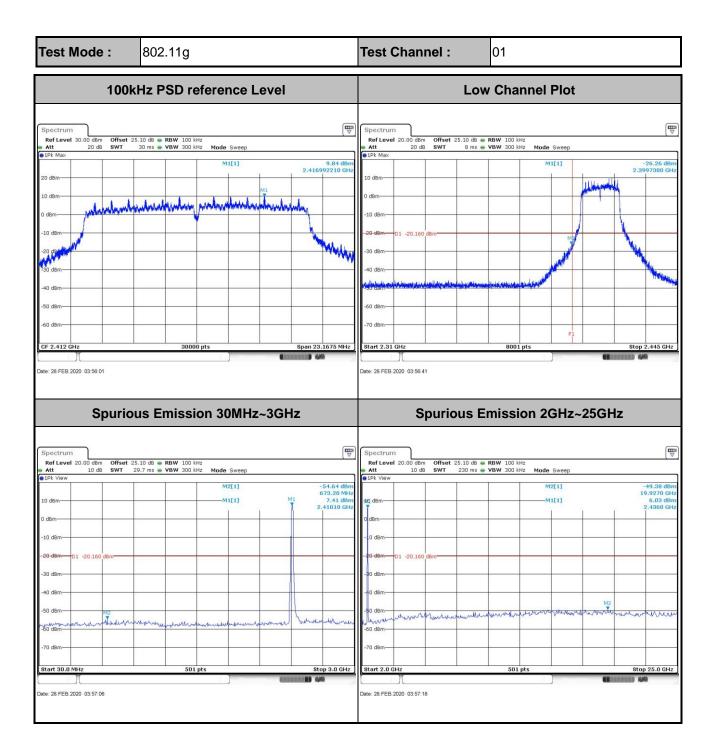


Test Mode :	802.11b	Те	st Channel :	06		
100	100kHz PSD reference Level			Mid Channel I	Plot	
Spectrum           Ref Level 30.00 dBm         Offset 2           Att         20 dB           10 dBm         0           10 dBm         0           20 dBm         0           30 dBm         0           -30 dBm         0           -40 dBm         0           20 dBm         0           -30 dBm         0           -40 dBm         0           -50 dBm         0           -20 dBm <th>25.10 dB = RBW 100 kHz 30 ms = VBW 300 kHz Mode Sweep M1[1] M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1</th> <th>12.89 dBm 2.437999050 GHz 4000000000000000000000000000000000000</th> <th></th> <th></th> <th></th> <th></th>	25.10 dB = RBW 100 kHz 30 ms = VBW 300 kHz Mode Sweep M1[1] M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1	12.89 dBm 2.437999050 GHz 4000000000000000000000000000000000000				
Spurio	us Emission 30MHz~3	GHz	Spurio	us Emission 20	GHz~25GHz	
Att 10 dB SWT     ●19k view     10 dBm     0 dBm     -10 dBm     -20 dBm     -30 dBm     -40 dBm     -40 dBm     -40 dBm	25.10 dB       RBW 100 kHz 29.7 ms      VBW 300 kHz      Mal[1]      M2[1]      M2[1]	M1_ 12.96 dBm ■ Att ■ 2.43390 dBm ■ 74.80 MHz ■ 74.80 MZ ■ 74.80 M	10 dB SWT 2 View m am D1 -17.110 dBm am bm M2 am m M2 am			11.71 dBm 2.4366 GHz 





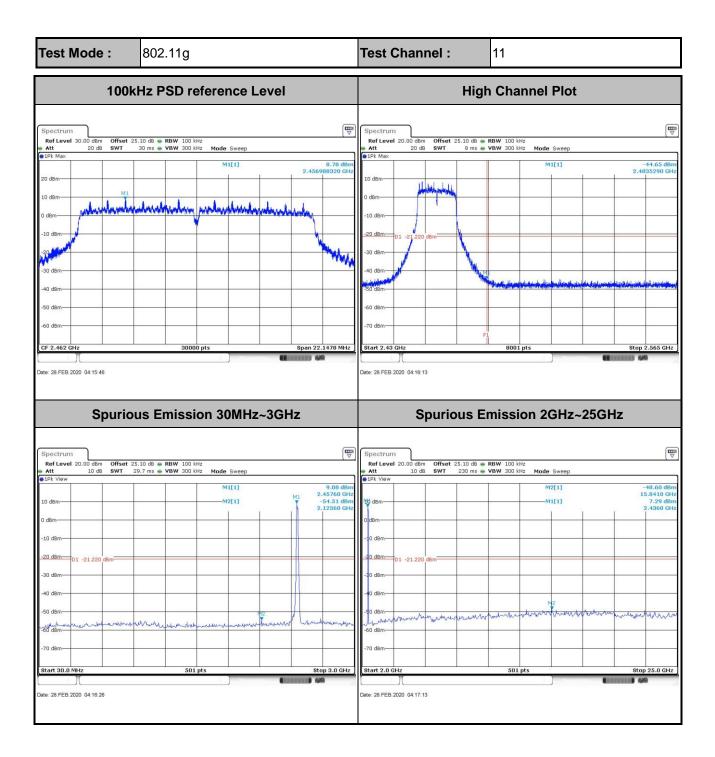




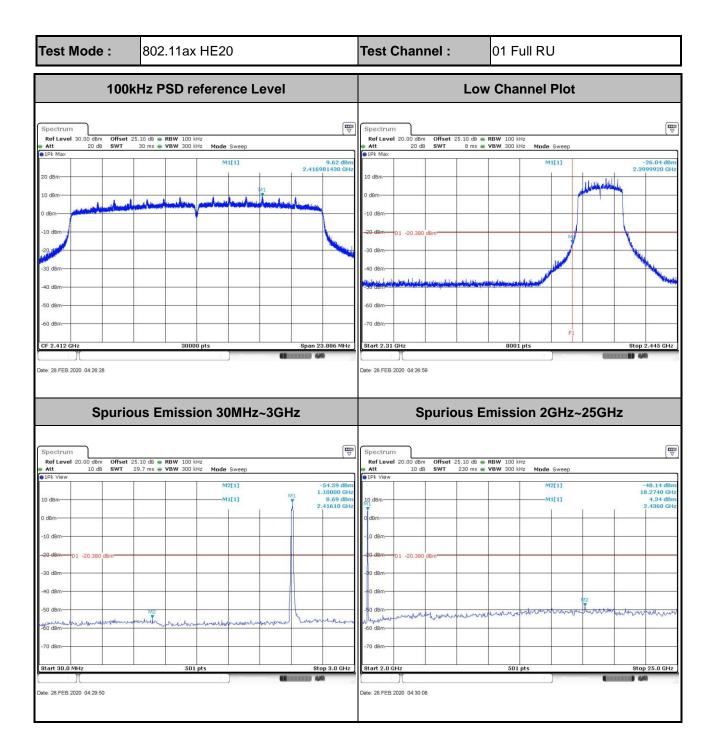


Test Mode :	802.11g		Test Channe	el : 06		
100	100kHz PSD reference Level			Mid Cha	annel Plot	
Att 20 dB SWT     IPk Max     20 dBm     10 dBm	25.10 dB • RBW 100 kHz 30 ms • VBW 300 kHz Mode Sweep M1[3] 41 41 41 41 41 41 41 41 41 41 41 41 41	9.80 dBm 2.441995120 GHz				
Spurie	ous Emission 30MHz~3GH	z	Sp	urious Emiss	sion 2GHz~250	GHz
Spectrum         Offset           Ref Level 20:00 dBm         Offset           Att         10 dB         SWT           10 dB         JU         JU	M2[1]	-55.27 dBm		Offset 25:10 dB		+40.21 dBm 18.2740 GHz 5.99 dBm 2.4960 GHz
0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm			0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -10 d		Mon man man man man man man man man man ma	
-70 dBm	501 pts	Stop 3.0 GHz	-70 dBm -70 dBm Start 2.0 GHz Date: 28 FEB 2020 04:03:45		D1 pts	Stop 25.0 GHz





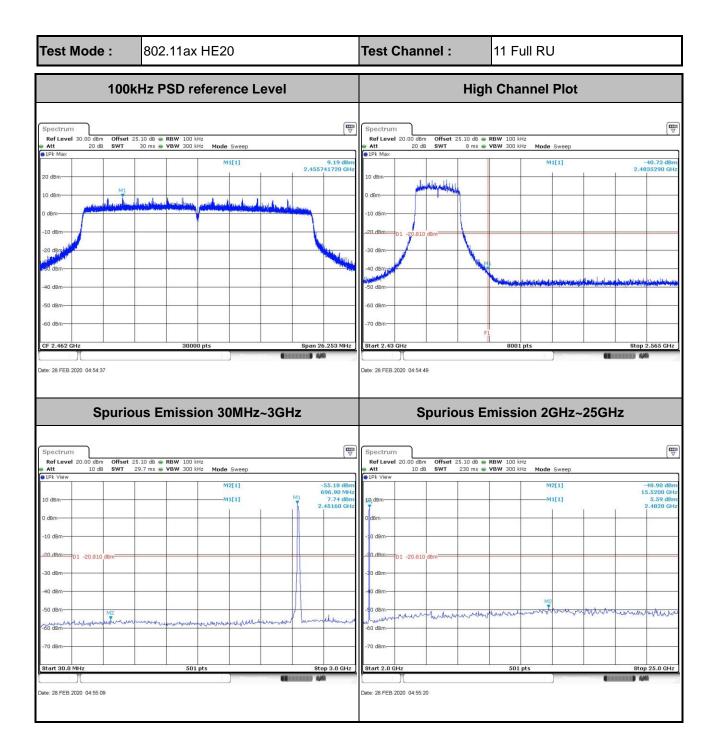




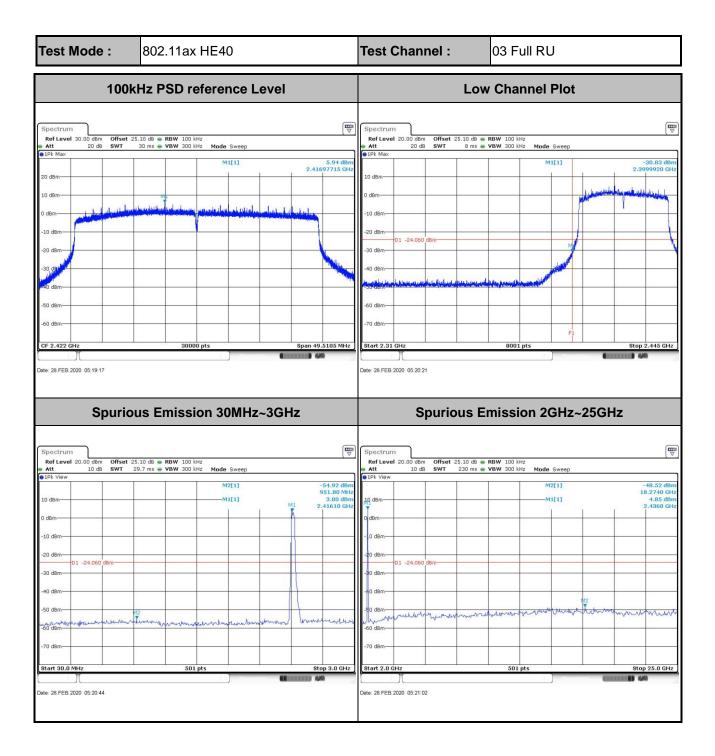


Test Mode :	802.11ax HE20		Test Channel :	06 Full RU	
100k	100kHz PSD reference Level			Mid Channel Plot	
Att 20 dB SWT     1Pk Max     20 dBm     10 dBm	30 dB • RBW 100 kHz 30 ms • VBW 300 kHz Mode Sweep M1[1] All the second seco	9.71 dBm 2.444496440 GHz			
Spurio	us Emission 30MHz~30	GHz	Spuriou	s Emission 2GHz	~25GHz
	5.10 dB • RBW 100 kHz 9.7 ms • VBW 300 kHz Mode Sweep M2[1] M1[1] M1[1] M2[1]	-54.63 dBm 2.04850 GHz 9.16 dBm 2.43980 GHz	Att 10 dB SWT 23     IPk View     IPk View     O dBm     O dBm     O dBm     O dBm     O dBm	10 dB • RBW 100 kHz 10 ms • VBW 300 kHz M2[1] M1[1] M1[1] M1[1] M1[1] M2	-48.58 dBm 19.7990 GHz 2.4360 GHz 2.4360 GHz M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2



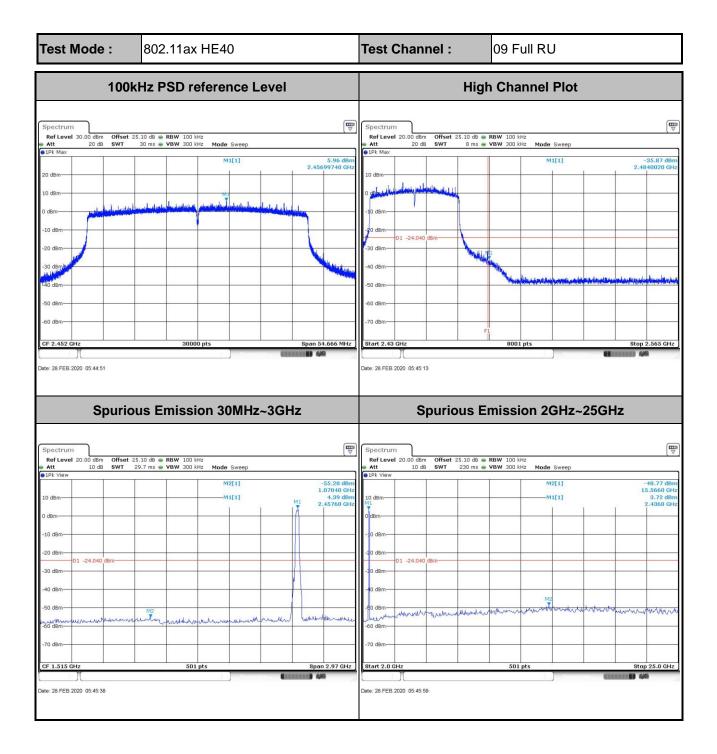






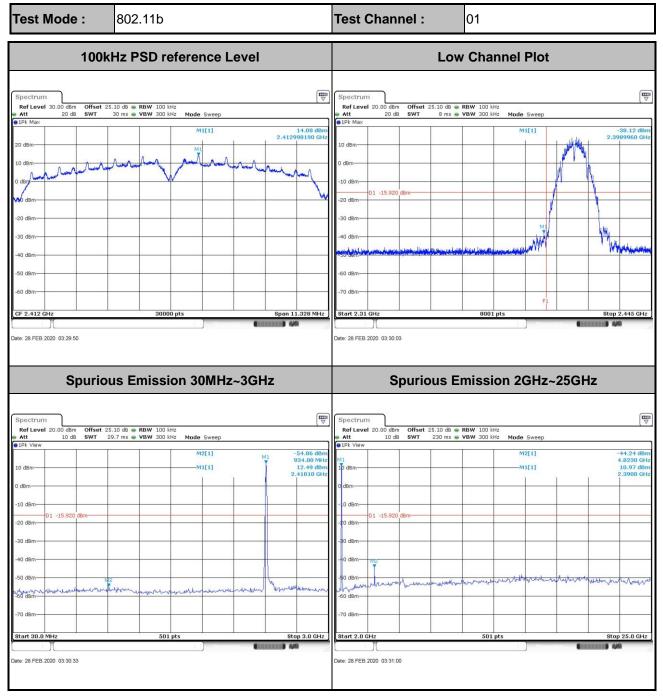


Test Mode :	802.11ax HE40		Test Channel :	06	Full RU		
100k	Hz PSD reference Lev		Mid Ch	annel Plot			
Att 20 dB SWT     IPi: Max     20 dBm     10 dBm	S.10 dB • RBW 100 kHz 30 ms • VBW 300 kHz work is which is a second state of the second work is which is a second state of the second second state of the second state	5.37 dbm 2.45198425 GHz ////////////////////////////////////					
Spurio	us Emission 30MHz~3	GHz	Spuri	ous Emis	sion 2GHz~2	25GHz	
Att 10 dB SWT 2     PIPk View     I0 dBm     O O D O D     O O	5.10 dB • RBW 100 kHz 29.7 ms • VBW 300 kHz Mode Sweep M2[1] M1[1]	-55, 31 dBm 886,60 MHz 3, 33 dBm M1 2,45160 GHz 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Spectrum           Ref Level 20.00 dBm         Offset           Att         10 dB         SWT           9 IPk View         10         B           10 dBm         10         GBm           -10 dBm         0         10           -20 dBm         0         10           -20 dBm         0         10           -0 dBm         0         10           -20 dBm         0         10           -20 dBm         0         10           -0 dBm         0         10           -70 dBm         0         10           -70 dBm         0         10           -70 dBm         0         10           -70 dBm         0         10		Mode Sweep	20. 2. M2 M2 M/W/W/MAA	25.0 GHz





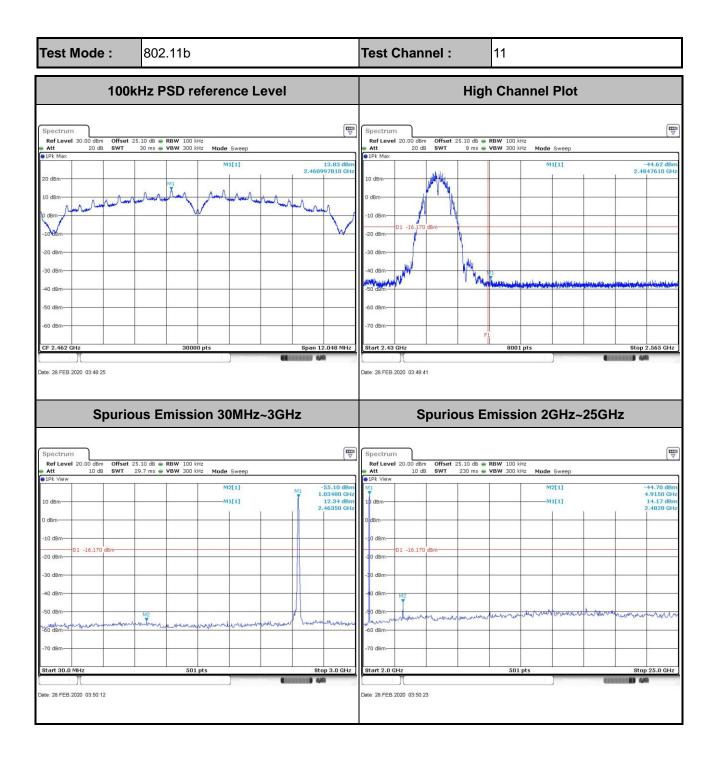
#### Number of TX = 2, Ant. 2 (Measured)





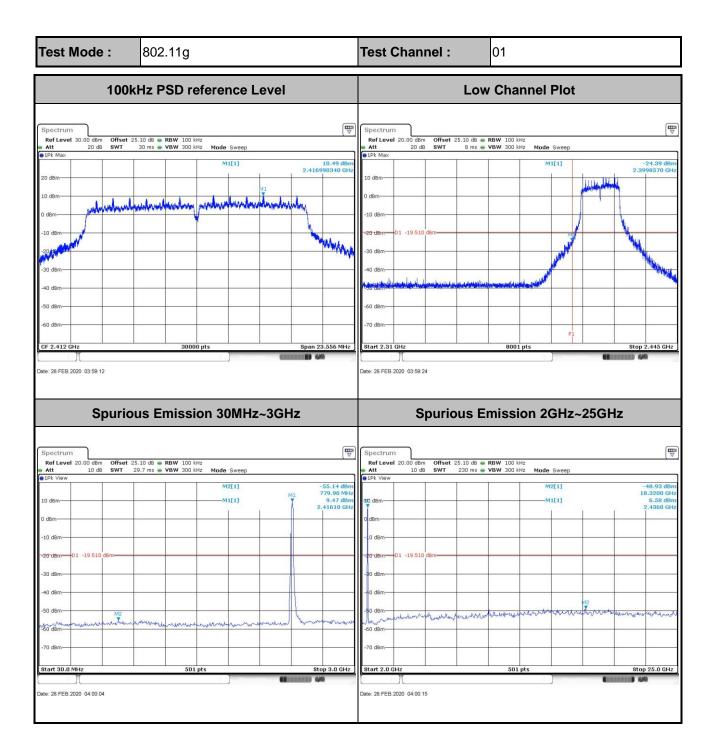
Test Mode :	802.11b		Test Channel :	06	
100	100kHz PSD reference Level			Mid Channel Plot	
Spectrum         Offset           Ref Level         30.00 dBm         Offset           10 dBm         0         0           10 dBm         0         0           20 dB         0         0           0 dBm         0         0           -10 dBm         0         0           -20 dBm         0         0           -30 dBm         0         0           -40 dBm         0         0           -50 dBm         0         0           -60 dBm         0         0           0 dBm         0         0           -50 dBm         0         0           -60 dBm         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0         0           0         0	25.10 dB = RBW 100 kHz 30 ms = VBW 300 kHz Mode Sweep	13.91 dBm 2.435997410 GHz			
Spurie	ous Emission 30MHz~3G	iHz	Spurio	us Emission 2GHz~2	5GHz
Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT	25.10 dB ● RBW 100 kHz 29.7 ms ● VBW 300 kHz Mode Sweep		Spectrum Ref Level 20.00 dBm Offset 25 Att 10 dB SWT 2 IPK View	.10 dB <b>● RBW</b> 100 kHz 230 ms <b>● VBW</b> 300 kHz <b>Mode</b> Sweep	
10 d8m 0 d8m -10 d8m -20 d8m -20 d8m -30 d8m -40 d8m -50 d8m -70 d8m -70 d8m		-54.63 dBm 969.70 MHz 12.46 dBm 2.4990 GHz	M1 10 dBm -10 dBm	M2[1] M1[1] M1[1]	4.92 dBm 4.8690 GHz 11.02 dBm 2.4366 GHz
Start 30.0 MHz	501 pts	Stop 3.0 GHz	Rart 2.0 GHz	501 pts	Stop 25.0 GHz





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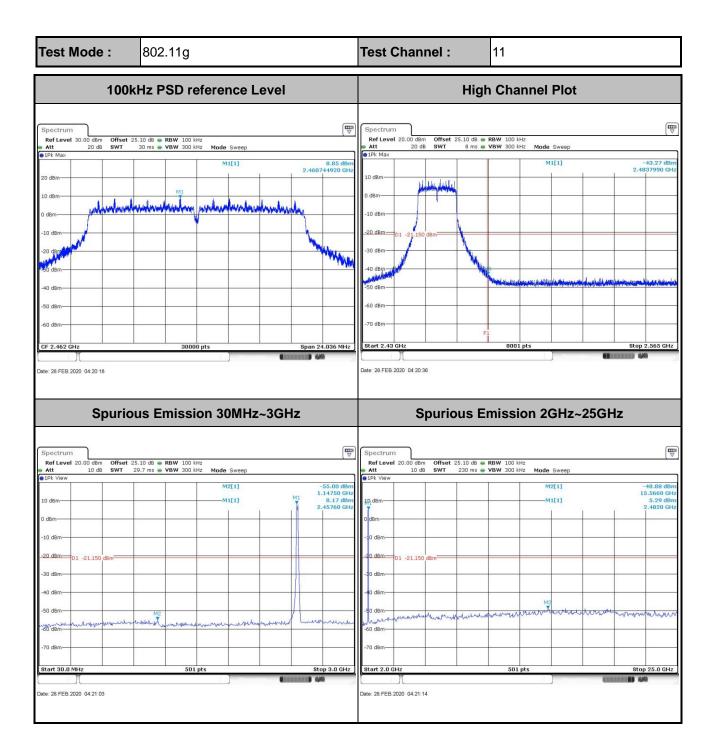




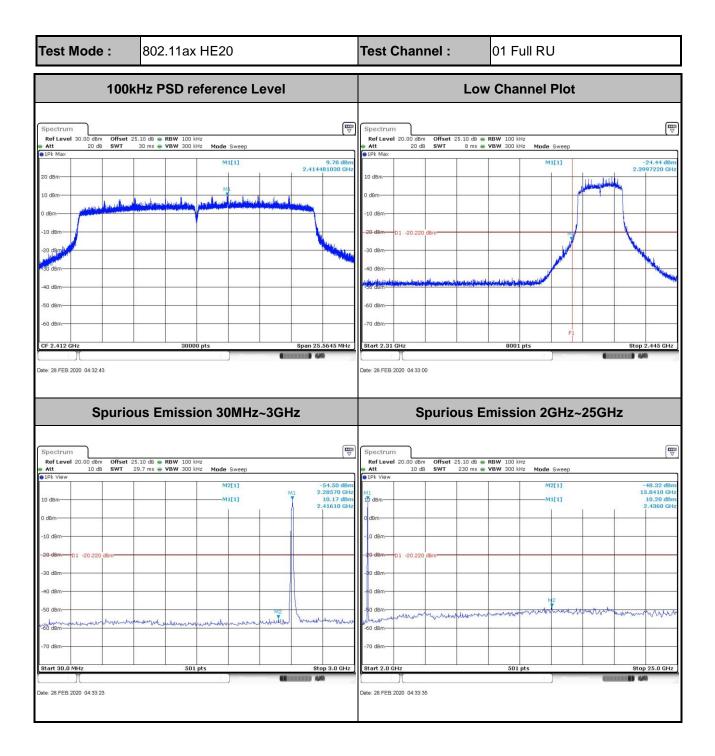


Test Mode :	802.11g			Test Chan	nel :	06		
100	100kHz PSD reference Level				Mid	Channel	Plot	
Att 20 dB SWT     IPk Max     20 dBm     M1	25.10 dB = RBW 100 kHz 30 ms = VBW 300 kHz 4444 444 444 444 444 4444 444 444 444	Mode Sweep	E 10.84 dBm 2.430745240 GHz					
Spurio	us Emission	30MHz~3	GHz	S	purious Ei	mission 2	GHz~25G	Hz
Att 10 dB SWT     ●19k View     10 dBm     0 dBm     -10 dBm     -20 dBm     -20 dBm     -40 dBm     -40 dBm	25.10 dB • RBW 100 kHz 29.7 ms • VBW 300 kHz 	Mode Sweep M2[1] —M1	-54.77 dBm M1 827.30 MHz 1.00 dBm 2.43390 GHz	Spectrum           Ref Level 20.00 dBm           # Att           10 dBm           0 dBm           -10 dBm           -20 dBm           -10 dBm           -20 dBm           -10 dBm           -20 dBm           -30 dBm           -60 dBm           -60 dBm           -70 dBm           -70 dBm	8 SWT 230 ms •	VBW 300 kHz Mod		-47.90 dBm 16.2740 GHz 7.93 dBm 2.4360 GHz





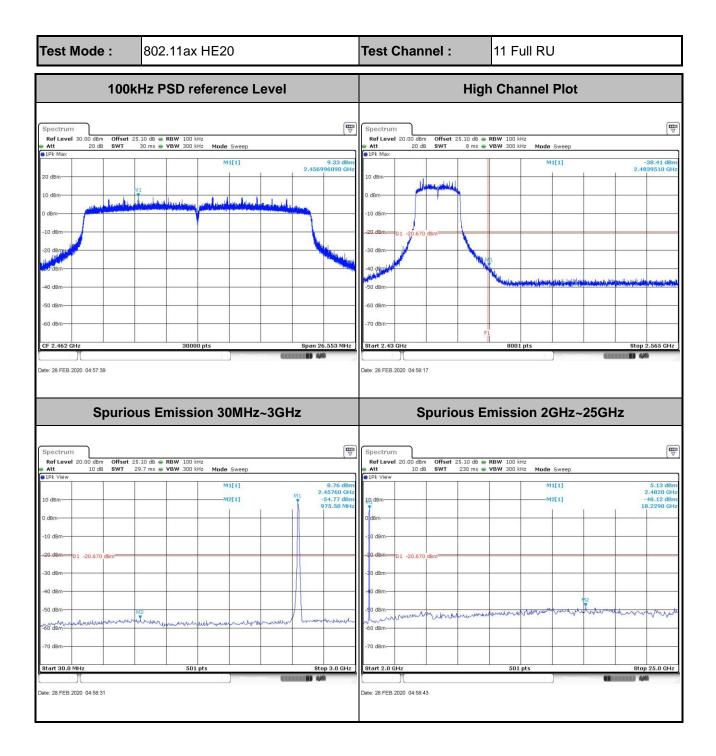


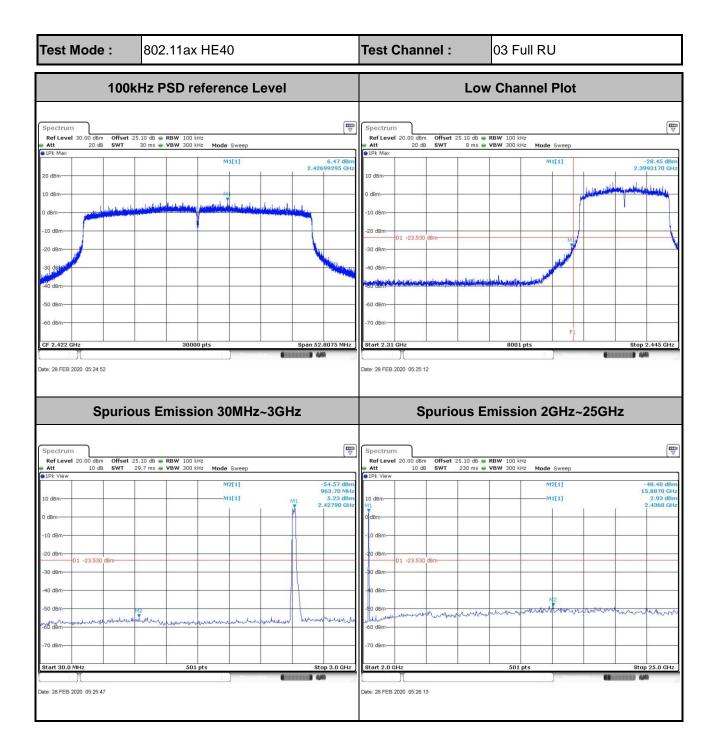




Test Mode :	802.11ax HE20		Test Channel	: 06	Full RU	
100	kHz PSD reference Leve		Mid Cha	annel Plot		
Att 20 dB SWT     PIk Max     20 dBm	25:10 dB = RBW 100 H4z 30 ms • VBW 300 H4z Mode Sweep M1(1) M1 M1 M1 M1 M1 M1 M1 M1 M1 M1	10.64 dBm 2.432005880 GHz				
Spurio	ous Emission 30MHz~30	GHz	Spur	ious Emiss	sion 2GHz~25GI	Ηz
Att 10 dB SWT     PIPk View     O dBm     O dBm	25.10 dB @ RBW 100 kHz 29.7 ms @ VBW 300 kHz Mode sweep M2[1] M1[1] M1[1] M1[1] M2[1]M2[1] M2[1]M2[1] M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2[1]M2	-54,72 dBm M1 2.26790 GHz 10.17 dBm 2.43980 GHz 000000000000000000000000000000000000	Spectrum           Ref Level 20.00 dBm         Offse           4tt         10 dB         SWT           10 dBm         0 dBm         0           -10 dBm         0         dBm           -20 dBm         01 -19.360 dBm         -10 dBm           -30 dBm         -0 dBm         -10 dBm           -10 dBm         -10 dBm         -10 dBm           -20 dBm         -10 dBm         -10 dBm           -20 dBm         -10 dBm         -10 dBm           -20 dBm         -20 dBm         -20 dBm           -20 dBm         -20 dBm         -20 dBm		M2[1]         M1[1]           M1[1]         M2           M2         M2           M3         M3           M4         M3           M4         M4           M4	46.27 dBm 17.6020 GHz 2.4360 GHz 2.4360 GHz 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4







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	Report Version	: 02



Test Mode :	802.11ax HE40		Test Channel :	06 Full RU
100k	Hz PSD reference Level	Mic	I Channel Plot	
Att 20 dB SWT     1Pk Max     20 dBm     10 dBm		5.91 dBm 199240 GHz		
Spurio	us Emission 30MHz~3GHz		Spurious E	mission 2GHz~25GHz
Att 10 dB SWT :     PIPk View     10 dBm     10 dBm     -10 dBm     -20 dBm     -30 dBm     -30 dBm     -40 dBm     -50 dBm	M1[1] M1 2 M1 2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M	op 3.0 GHz	Spectrum           Ref Level 20.00 dBm         Offset 25.10 dB           Att         10 dB         SWT         230 ms           ID dBm         0         0         0         0           10 dBm         0         0         0         0         0           -0 dBm         0         -24.090 dBm         -30 dBm         -30 dBm         -0         -0 dBm         -0 dBm	VBW 300 kHz Mode Sweep