



TEST REPORT



Report No. : KES-RF260187-R2
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KES Co., Ltd.
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■ J-MIC TEST REPORT

1. Client

- Name : THINKWARE CORPORATION
- Address : A, 9FL., Samwhan Hipex, 240, Pangyoyeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea

2. Sample Description

- Product item : CAR DASH CAM
- Model name : ARC 900
- Manufacturer etc. : THINKWARE CORPORATION

3. Date of test : 2026.04.02 ~ 2026.04.08

4. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

- Address : #3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Republic of Korea

5. Test method used : MIC Notice No.88 Appendix No.45.

6. Test result : PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This laboratory is not accredited for the test results marked *.
This test report is not related to KOLAS accreditation.

Affirmation	Tested by	Technical Manager
	Name : Do-Hyun, Ko (Signature) [고도현]2026/05/13	Name : Young-Jin Lee (Signature) [이영진]2026/05/13

2026. 05. 13.

KES Co., Ltd.

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**REPORT REVISION HISTORY**

Date	Test Report No.	Revision History
2026.04.30	KES-RF260187	Initial
2026.05.12	KES-RF260187-R1	This is a revised test report due to revisions to the test method, applicable standard, technical information, power limit, EIRP calculation, operating condition, additional test results, and test conclusion.
2026.05.13	KES-RF260187-R2	This is a revised test report due to revisions to the rated antenna power indication, calibration method indication, actual limit values, and operating condition information.

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Use of uncertainty of measurement for decisions on conformity (decision rule):

☒ No decision rule is specified by the standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty("simple acceptance" decision rule, previously known as "accuracy method").

☐ Other (to be specified, for example when required by the standard or client)

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**1. General information**

Applicant: THINKWARE CORPORATION
Applicant address: A, 9FL., Samwhan Hipex, 240, Pangyoyeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea
Test site: KES Co., Ltd.
Test site address: ☒ #3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Republic of Korea
☐ 473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, Korea
Standard: ARIB STD-T71
J-MIC Radio law: Article 2 Paragraph 1 of Item 78
Test device serial No.: ☒ Production ☐ Pre-production ☐ Engineering

1.1. EUT description

Equipment under test: CAR DASH CAM

Frequency range: 2.4 GHz
2 412 MHz ~ 2 472 MHz (802.11b/g/n_HT20)
2 422 MHz ~ 2 462 MHz (802.11n_HT40)
5 180 MHz ~ 5 240 MHz (802.11a/n_HT20/ac_VHT20)
W52 5 190 MHz ~ 5 230 MHz (802.11n_HT40/ac_VHT40)
5 210 MHz (802.11ac_VHT80)

Model: ARC 900

Modulation technique: DSSS, OFDM

Number of channels: 2.4 GHz
2 412 MHz ~ 2 472 MHz (802.11b/g/n_HT20), Ch 13
2 422 MHz ~ 2 462 MHz (802.11n_HT40), Ch 9
5 180 MHz ~ 5 240 MHz (802.11a/n_HT20/ac_VHT20), Ch 4
W52 5 190 MHz ~ 5 230 MHz (802.11n_HT40/ac_VHT40), Ch 2
5 210 MHz (802.11ac_VHT80), Ch 1

Antenna specification: Chip Antenna (Dual feeding) // Peak gain: 1.86 dBi for 2.4 GHz
Chip Antenna (Dual feeding) // Peak gain: 2.78 dBi for W52 Band

Power source: DC 12 V / DC 24 V

H/W version: V4.0

S/W version: V1.0

Serial Number: SOLMPVT009

**1.2. Information about derivative model**

N/A

1.3. Accessory information

Equipment	Manufacturer	Model	Serial No.	Power source
Main unit (Front camera)	THINKWARE CORPORATION	-	-	DC 12 V, DC 24 V
Hardwiring cable	-	-	-	-
Rear camera cable	-	-	-	-
MicroSD memory card	-	-	-	-
Car charger	-	-	-	-
Mount	-	-	-	-
Adhesive cable holder	-	-	-	-
Rear camera (Optional)	THINKWARE CORPORATION	BCQH-700	-	-
Warranty & Quick Start Guide	-	-	-	-

1.4. Device modifications

N/A

1.5. Worst case data rate

- Conducted test was performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.
- Worst-case data rates were:
2.4 GHz 802.11b : 1 Mbps, 802.11g : 6 Mbps, 802.11n_HT20 : MCS0
W52 802.11a : **6 Mbps**, 802.11n_HT20/40: **MCS0**, 802.11ac_VHT20/40/80 : **MCS0**
- Tests are performed only at rated voltage, as the input voltage to the receiver RF circuit changes to less than $\pm 1\%$ when the input voltage from the external power supply to the receiver changes to $\pm 10\%$.

1.6. Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conducted Frequency Tolerance test	10 Hz
Uncertainty for Conducted Bandwidth test	385 420 Hz
Uncertainty for Conducted Output power test	1.06 dB
Uncertainty for Conducted Transmitter Spurious Emission test	0.85 dB
Note. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.	

**1.7. Sample calculation**

Where relevant, the following sample calculation is provided
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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 0.99 + 20 = 20.99 \text{ (dB)}\end{aligned}$$

For Radiation test :

$$\text{Field strength level (dB } \mu\text{V/m)} = \text{Measured level (dB } \mu\text{V)} + \text{Antenna factor (dB)} + \text{Cable loss (dB)} - \text{Amplifier gain (dB)}$$

1.8 Frequency/channel operations

Ch.	Frequency (MHz)	Mode
1	2 412	802.11b/g/n_HT20
:	:	:
13	2 472	802.11b/g/n_HT20

Ch.	Frequency (MHz)	Mode
3	2 422	802.11n_HT40
:	:	:
11	2 462	802.11n_HT40

W52

Ch.	Frequency (MHz)
36	5 180
:	:
48	5 240

802.11a/n_HT20/ac_VHT20

Ch.	Frequency (MHz)
38	5 190
46	5 230

802.11n_HT40/ac_VHT40

Ch.	Frequency (MHz)
42	5 210

802.11ac_VHT80

Note.

This test report is prepared according to the requirements of ISO/IEC 17025.

1.9. Applied Standards

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

- Standards:

Certification Ordinance Article 2 Paragraph 1 of Item 78

- Test Methods:

Ministry of Internal Affairs and Communications Notification Article 88 Appendix 45 Certification



2. Summary of tests

Parameter	Test results
Frequency Tolerance	Pass
Occupied Bandwidth	Pass
RF Output Power	Pass
Adjacent Channel leakage Power	Pass
Transmitter Spurious Emission	Pass
Receiver Spurious Emission	Pass
Carrier Sensing	Pass
Anti-interference function	Pass
Transmission Burst Length	Pass

Note:

- By the request of the applicant, test was performed with condition below:

2.4 GHz		
Mode	Frequency (MHz)	Power Setting value
802.11b	2 412 MHz ~ 2 472 MHz	60
802.11g		54
802.11n_HT20		56
802.11n_HT40	2 422 MHz ~ 2 462 MHz	54 / 54 / 50
W52		
Mode	Frequency (MHz)	Power Setting value
802.11a	5 180 MHz ~ 5 240 MHz	38 / 38 / 32
802.11n_HT20		37 / 36 / 31
802.11ac_VHT20		37 / 35 / 31
802.11n_HT40	5 190 MHz ~ 5 230 MHz	32 / 31
802.11ac_VHT40		28 / 28
802.11ac_VHT80	5 210 MHz	27

2. Operating Condition

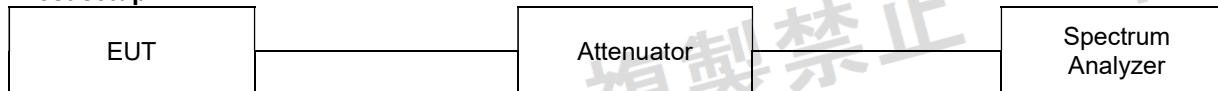
Master station installed in the car operates only by power supplied from the vehicle power supply.



3. Test results

3.1. Frequency tolerance

Test setup



Test procedure

- (1) In case of unmodulated wave (serial or continuous burst), measure the frequency with frequency counter directly.
- (2) In case of burst wave, measure sufficient time and average with measured results.
- (3) In case of others, measure characteristic frequency with spectrum analyzer.

Limit

Permission deviation $\pm 20 \times 10^{-6}$

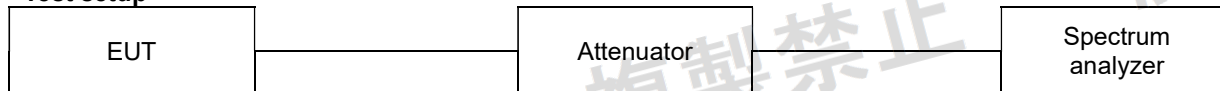
Test results

refer to Appendix B



3.2. Occupied Bandwidth

Test setup



Test procedure

Spectrum analyzer is set as follows.

Center frequency : Test frequency

Sweep frequency range : 2 to 3.5 times of tolerances

Resolution bandwidth : Tolerance 3% of the facilities provided in the rules

Video bandwidth : Similar resolution bandwidth

Y axis scale : 10 dB/Div

Input level : Well above the noise level of Spectrum analyzer

Sweep time : The minimum time that measurement accuracy is guaranteed (In case of burst wave, one burst includes per sample)

Sweep mode : Continuous Sweep

Detection mode : Positive Peak (Note)

Display mode : Max Hold (Note)

Note: in case of OFDM and except burst wave is as follows.

Average processing times : More than 10 times

Detection mode : Sample

Limit

Test mode	Bandwidth(MHz)	Limit(MHz)
W52	20	20
	40	40
	80	80

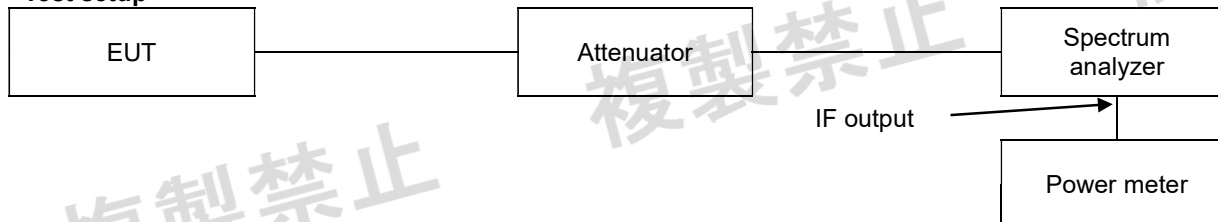
Test results

refer to Appendix C



3.3. RF output power

Test setup



Test procedure

- 1) Connect a power meter to IF outlet of the spectrum analyzer, and measure the maximum power
- 2) In case of continuous wave, antenna power is Compensate the maximum power of d) with (1)

Appendix 45

- (1) Measure equivalent noise bandwidth of the spectrum analyzer at 1MHz RBW, and compensate bandwidth as 1MHz equivalent band width.

Limit

Test mode	E.I.R.P. power (mW/MHz)	Rated power (mW/MHz)	Upper(mW/MHz) / +20%	Lower(mW/MHz) -80%
802.11a	2.00	1.00	1.20	0.20
802.11n_HT20	2.00	1.00	1.20	0.20
802.11n_HT40	1.00	0.50	0.60	0.10
802.11ac_VHT20	2.00	1.00	1.20	0.20
802.11ac_VHT40	1.00	0.50	0.60	0.10
802.11ac_VHT80	0.50	0.25	0.30	0.05

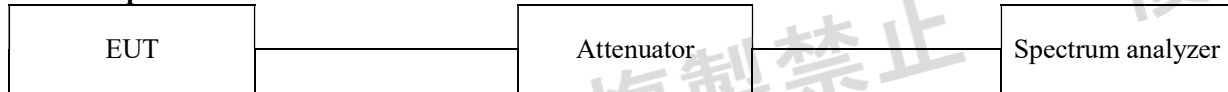
Test results

refer to Appendix D



3.4. Adjacent Channel leakage Power

Test setup



Test procedure

Setting of spectrum analyzer to measure spurious emission is as follows.

Sweep frequency range : Test frequency

Resolution bandwidth : 300 kHz

Video bandwidth : 300 kHz

Y axis scale : 10 dB/Div

Number of data points : Over 400 points

Sweep mode : Single sweep

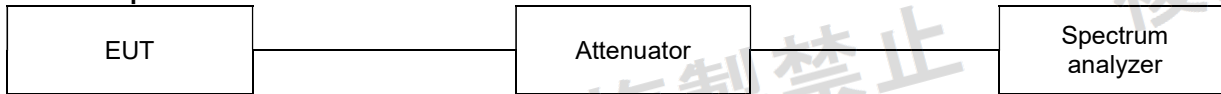
Detection mode : Sample

Limit

Bandwidth(MHz)	Measured Frequency Range(MHz)	Limit(dBc)
20	$F_c \pm 20\text{MHz}$	> 25
	$F_c \pm 40\text{MHz}$	> 40
40	$F_c \pm 40\text{MHz}$	> 25
	$F_c \pm 80\text{MHz}$	> 40
80	$F_c \pm 80\text{MHz}$	> 25

Test results

refer to Appendix E

**3.5. Transmitter spurious emissions****Test setup****Test procedure**

Setting of spectrum analyzer to measure spurious emission is as follows.

Resolution bandwidth : 1 MHz

Video bandwidth : Similar resolution bandwidth

Sweep time : The minimum time guaranteed measurement accuracy

Y axis scale : 10 dB/Div

Sweep mode : Single sweep

Detection mode : Positive Peak

Display mode : Maxhold

Limit

Bandwidth(MHz)	Measured Frequency Range(MHz)	Limit
20	30 ~ 5 142	0.5 μ W/MHz
	5 142 ~ 5 150	3 μ W/MHz
	5 250 ~ 5 250.2	$0.2 \times 10^{1-(8/3) (F-9.75)}$ mW/MHz
	5 250.2 ~ 5 251	$0.2 \times 10^{1-(F-9)}$ mW/MHz
	5 251 ~ 5 260	$0.2 \times 10^{-1-(8/90) (F-11)}$ mW/MHz
	5 260 ~ 5 266.7	$0.2 \times 10^{-1.8-(6/50) (F-20)}$ mW/MHz
	5 266.7 ~ 5 365	0.5 μ W/MHz
	5 365 ~ 26 000	0.5 μ W/MHz
40	30 ~ 5 141.6	0.5 μ W/MHz
	5 141.6 ~ 5 150	3 μ W/MHz
	5 250 ~ 5 251	$0.2 \times 10^{-(F-20)+\log(1/2)}$ mW/MHz
	5 251 ~ 5 270	$0.2 \times 10^{-(8/190) (F-21)-1+\log(1/2)}$ mW/MHz
	5 270 ~ 5 278.4	$0.2 \times 10^{-(3/50) (F-40)-1.8+\log(1/2)}$ mW/MHz
	5 278.4 ~ 5 400	0.5 μ W/MHz
	5 400 ~ 26 000	0.5 μ W/MHz
80	30 ~ 5 123.2	0.5 μ W/MHz
	5 123.2 ~ 5 150	3 μ W/MHz
	5 250 ~ 5 251	$0.2 \times 10^{-(F-40)+\log(1/4)}$ mW/MHz
	5 251 ~ 5 290	$0.2 \times 10^{-(8/390) (F-41)-1+\log(1/4)}$ mW/MHz
	5 290 ~ 5 296.7	$0.2 \times 10^{-(3/100) (F-80)-1.8+\log(1/4)}$ mW/MHz
	5 296.7 ~ 5 480	0.5 μ W/MHz
	5 480 ~ 26 000	0.5 μ W/MHz

Test results

refer to Appendix F



3.6. Receiver spurious emissions

Test setup



Test procedure

(1) Setting of spectrum analyzer is as follows while searching a spurious emission.

Sweep frequency range : From 30 MHz up to 26 GHz

Resolution bandwidth : Less than 1 GHz : 100 kHz, 1 GHz or more : 1 MHz

Video bandwidth : Same as resolution bandwidth

Sweep time : The minimum time guaranteed measurement accuracy

Y axis scale : 10 dB/Div

Number of data points : Over 400 points

Sweep mode : Single sweep

Detection mode : Positive Peak

(2) Setting of spectrum analyzer is as follows while measuring a spurious emission.

Center frequency : Detected spurious frequency

Sweep frequency range : 0 Hz

Resolution bandwidth : Less than 1 GHz : 100 kHz, 1 GHz or more : 1 MHz

Video bandwidth : Same as resolution bandwidth

Sweep time : The minimum time guaranteed measurement accuracy

Y axis scale : 10 dB/Div

Number of data points : Over 400 points

Sweep mode : Single sweep

Detection mode : Sample

Limit

1. Less than 1 GHz : Equal or less than 4 nW(≒ -53.98 dBm)

2. 1 GHz ~ less than 12.5 GHz : Equal or less than 20 nW(≒ -46.99 dBm)

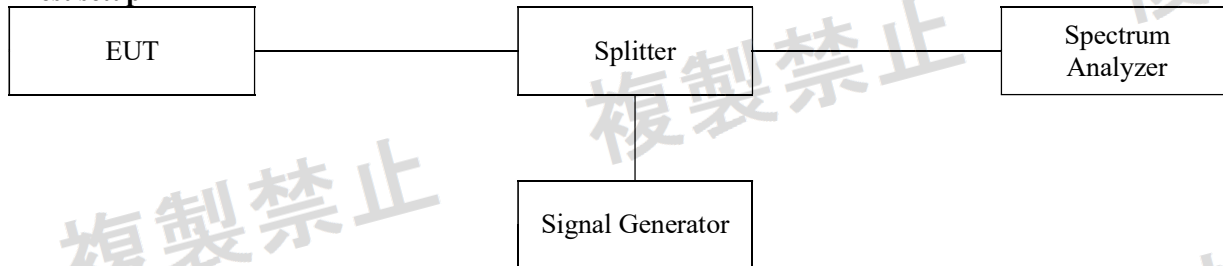
Test results

refer to Appendix G



3.7. Carrier Sensing

Test setup



Limit

EUT shall not transmit any waves when carrier wave inject into EUT.

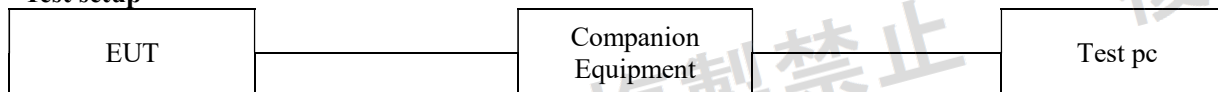
Test results

refer to Appendix H



3.8. Anti-interference function

Test setup



Limit

The identification code shall be 19 bits long.

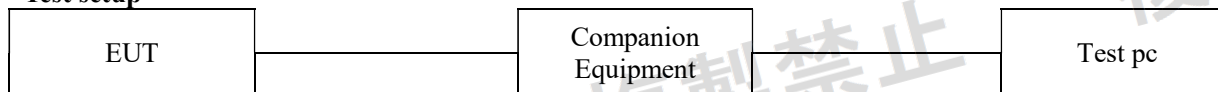
Test results

refer to Appendix I



3.9. Transmission Burst Length

Test setup



Limit

Burst Length of Transmitted Signals 8ms or below

Test results

refer to Appendix J

**Appendix A. Measurement equipment**

Equipment 24-2 paragraph4 「ハ」	Manufacturer	Model	Serial No.	Calibration Interval	Calibration Lab	Calibration due.
SPECTRUM ANALYZER	R&S	FSV30	101389	1 year	HCT	2027.01.06
SIGNAL GENERATOR	Anritsu	68369B	992113	1 year	HCT	2027.01.06
Power Meter	Anritsu	ML2495A	1438001	1 year	HCT	2027.01.29
Pulse Power Sensor	Anritsu	MA2411B	1339205	1 year	HCT	2027.01.29
DIGITAL MULTI METER	TEKTRONIX	DMM916	138401	1 year	HCT	2027.01.07
DC POWER SUPPLY	HP	6674A	US36370369	1 year	HCT	2026.06.09
COAXIAL ATTENUATOR	MINI- CIRCUITS	BW-S20- 2W2634+	A1	1 year	HCT	2027.01.06
DIVIDER	WEINSCHEL	1515	MF493	1 year	HCT	2027.01.06
DIVIDER	WEINSCHEL	1515	LR261	1 year	HCT	2027.01.06

* Statement of Traceability: KES Co., Ltd. attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

* Cal.Method

a) : Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)

b) : Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)

c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)

d) : Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

Note: The underlined item indicates the calibration method applied for this test.

Peripheral devices

Device	Manufacturer	Model No.	Serial No.
Notebook computer	LG Electronics Inc.,	15U480	901QCCV558723



Appendix B. TEST RESULTS FOR Frequency Tolerance

Test results

		High Voltage			Pass or Fail	Limit
		DC 13.2 V				
Test item	Unit	Result				
Frequency Tolerance	Frequency	5 180	5 220	5 240		Permission deviation ±20 × 10 ⁻⁶
	MHz	5 179.989 407	5 219.978 026	5 239.978 944	Pass	
	ppm	-2.04	-4.21	-4.02		
	Frequency	5 190		5 230		
	MHz	5 189.980 538		5 229.978 363	Pass	
	ppm	-3.75		-4.14		
	Frequency	5 210				
	MHz		5 209.977 894		Pass	
	ppm		-4.24			
		Normal Voltage			Pass or Fail	Limit
		DC 12.0 V				
Test item	Unit	Result				
Frequency Tolerance	Frequency	5 180	5 220	5 240		Permission deviation ±20 × 10 ⁻⁶
	MHz	5 179.989 613	5 219.978 063	5 239.978 869	Pass	
	ppm	-2.01	-4.20	-4.03		
	Frequency	5 190		5 230		
	MHz	5 189.981 307		5 229.978 232	Pass	
	ppm	-3.60		-4.16		
	Frequency	5 210				
	MHz		5 209.977 894		Pass	
	ppm		-4.24			
		Low Voltage			Pass or Fail	Limit
		DC 10.8 V				
Test item	Unit	Result				
Frequency Tolerance	Frequency	5 180	5 220	5 240		Permission deviation ±20 × 10 ⁻⁶
	GHz	5 179.989 163	5 219.978 007	5 239.978 907	Pass	
	ppm	-2.09	-4.21	-4.03		
	Frequency	5 190		5 230		
	GHz	5 189.980 144		5 229.978 401	Pass	
	ppm	-3.83		-4.13		
	Frequency	5 210				
	GHz		5 209.977 932		Pass	
	ppm		-4.24			



		High Voltage			Pass or Fail	Limit
		DC 26.4 V				
Test item	Unit	Result				
Frequency Tolerance	Frequency	5 180	5 220	5 240	Pass	Permission deviation ±20 × 10 ⁻⁶
	MHz	5 179.988 432	5 219.977 932	5 239.978 719		
	ppm	-2.23	-4.23	-4.06		
	Frequency	5 190		5 230	Pass	
	MHz	5 189.979 507		5 229.978 569		
	ppm	-3.95		-4.10		
	Frequency	5 210			Pass	
	MHz		5 209.977 857			
ppm		-4.25				
		Normal Voltage			Pass or Fail	Limit
		DC 24.0 V				
Test item	Unit	Result				
Frequency Tolerance	Frequency	5 180	5 220	5 240	Pass	Permission deviation ±20 × 10 ⁻⁶
	MHz	5 179.988 394	5 219.977 969	5 239.978 813		
	ppm	-2.24	-4.22	-4.04		
	Frequency	5 190		5 230	Pass	
	MHz	5 189.979 301		5 229.978 532		
	ppm	-3.99		-4.10		
	Frequency	5 210			Pass	
	MHz		5 209.977 876			
ppm		-4.25				
		Low Voltage			Pass or Fail	Limit
		DC 21.6 V				
Test item	Unit	Result				
Frequency Tolerance	Frequency	5 180	5 220	5 240	Pass	Permission deviation ±20 × 10 ⁻⁶
	MHz	5 179.988 600	5 219.977 988	5 239.978 776		
	ppm	-2.20	-4.22	-4.05		
	Frequency	5 190		5 230	Pass	
	MHz	5 189.979 807		5 229.978 494		
	ppm	-3.89		-4.11		
	Frequency	5 210			Pass	
	MHz		5 209.977 876			
ppm		-4.25				



Appendix C. TEST RESULTS FOR Occupied Bandwidth

Test results

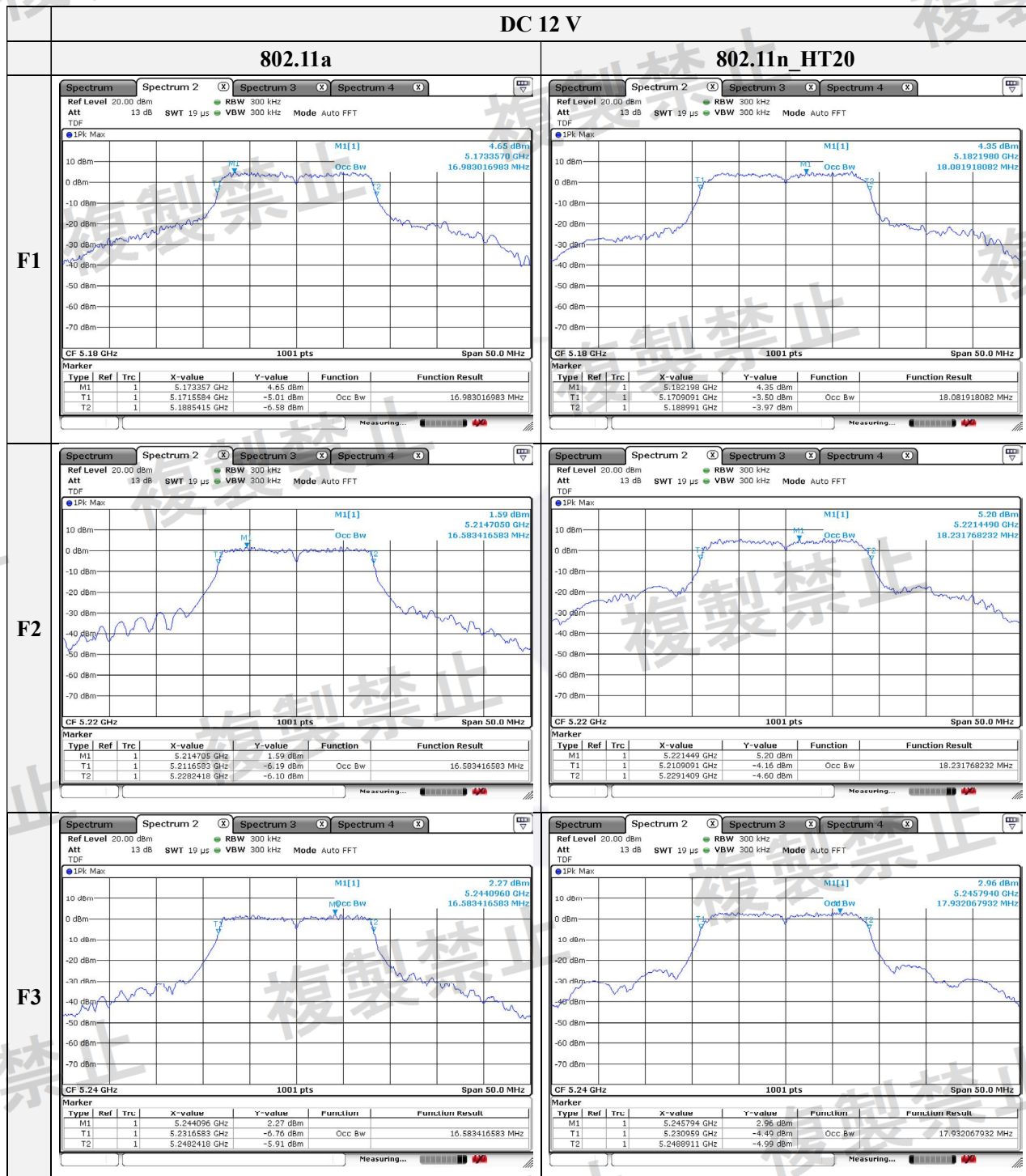
			High Voltage			Pass or Fail	Limit
			DC 13.2 V				
Test item	Test Mode	Unit	Result				
Occupied Bandwidth	a	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	17.03	16.53	16.63	Pass	20MHz
	n_HT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.08	18.18	17.93	Pass	20MHz
	n_HT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.36		36.12	Pass	40MHz
	ac_VHT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	17.98	18.03	17.83	Pass	20MHz
	ac_VHT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.52		36.36	Pass	40MHz
ac_VHT80	Frequency	5 210				Equal or less than	
	MHz		75.76		Pass	80MHz	
			Normal Voltage			Pass or Fail	Limit
			DC 12.0 V				
Test item	Test Mode	Unit	Result				
Occupied Bandwidth	a	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	16.98	16.58	16.58	Pass	20MHz
	n_HT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.08	18.23	17.93	Pass	20MHz
	n_HT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.20		36.20	Pass	40MHz
	ac_VHT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.08	18.18	17.93	Pass	20MHz
	ac_VHT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.44		36.36	Pass	40MHz
ac_VHT80	Frequency	5 210				Equal or less than	
	MHz		75.60		Pass	80MHz	
			Low Voltage			Pass or Fail	Limit
			DC 10.8 V				
Test item	Test Mode	Unit	Result				
Occupied Bandwidth	a	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	17.18	16.58	16.48	Pass	20MHz
	n_HT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.18	18.43	18.03	Pass	20MHz
	n_HT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.28		36.20	Pass	40MHz
	ac_VHT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.03	18.13	17.93	Pass	20MHz
	ac_VHT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.44		36.36	Pass	40MHz
ac_VHT80	Frequency	5 210				Equal or less than	
	MHz		75.92		Pass	80MHz	

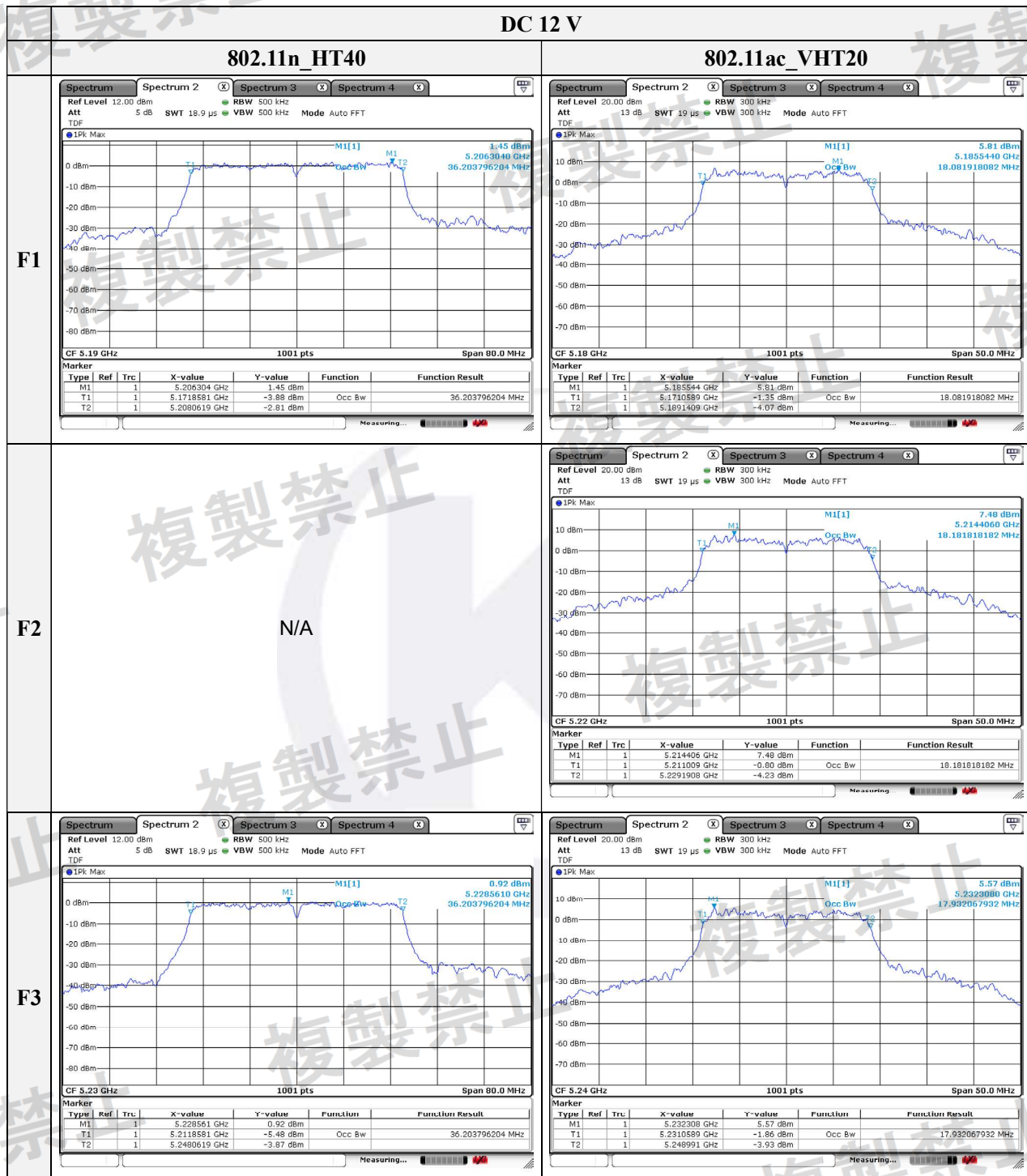


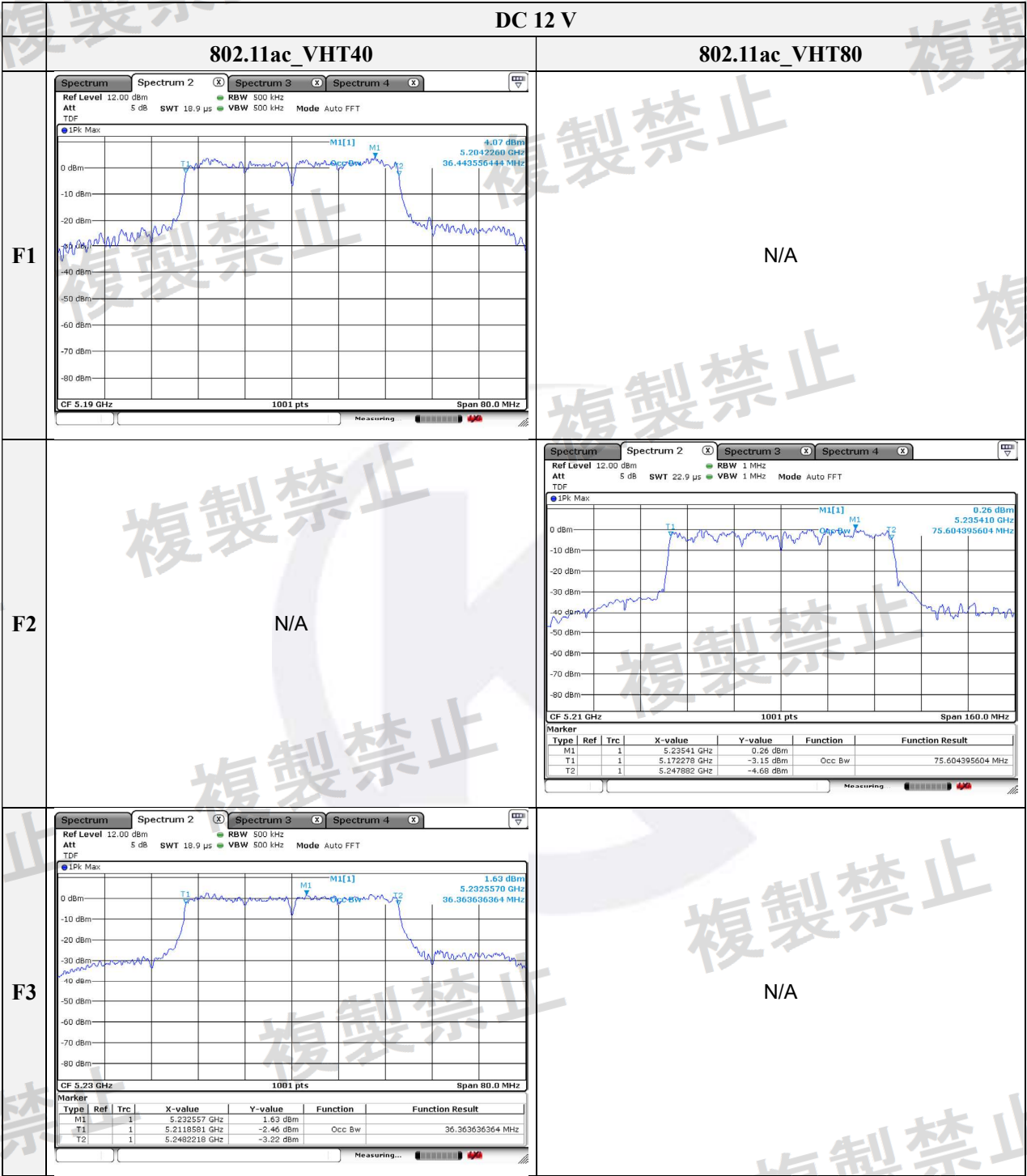
			High Voltage			Pass or Fail	Limit
			DC 26.4 V				
Test item	Test Mode	Unit	Result				
Occupied Bandwidth	a	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	16.98	16.63	16.58	Pass	20MHz
	n_HT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.03	18.18	17.88	Pass	20MHz
	n_HT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.12		36.12	Pass	40MHz
	ac_VHT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.08	18.13	17.98	Pass	20MHz
	ac_VHT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.44		36.36	Pass	40MHz
ac_VHT80	Frequency	5 210				Equal or less than	
	MHz		75.60		Pass	80MHz	
			Normal Voltage			Pass or Fail	Limit
			DC 24.0 V				
Test item	Test Mode	Unit	Result				
Occupied Bandwidth	a	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	16.93	16.58	16.63	Pass	20MHz
	n_HT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.13	17.98	17.93	Pass	20MHz
	n_HT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.12		36.12	Pass	40MHz
	ac_VHT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.03	18.13	17.93	Pass	20MHz
	ac_VHT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.44		36.36	Pass	40MHz
ac_VHT80	Frequency	5 210				Equal or less than	
	MHz		75.92		Pass	80MHz	
			Low Voltage			Pass or Fail	Limit
			DC 21.6 V				
Test item	Test Mode	Unit	Result				
Occupied Bandwidth	a	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	17.13	16.58	16.63	Pass	20MHz
	n_HT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	17.93	18.08	18.03	Pass	20MHz
	n_HT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.28		36.12	Pass	40MHz
	ac_VHT20	Frequency	5 180	5 220	5 240		Equal or less than
		MHz	18.08	18.03	17.98	Pass	20MHz
	ac_VHT40	Frequency	5 190		5 230		Equal or less than
		MHz	36.44		36.36	Pass	40MHz
ac_VHT80	Frequency	5 210				Equal or less than	
	MHz		75.28		Pass	80MHz	

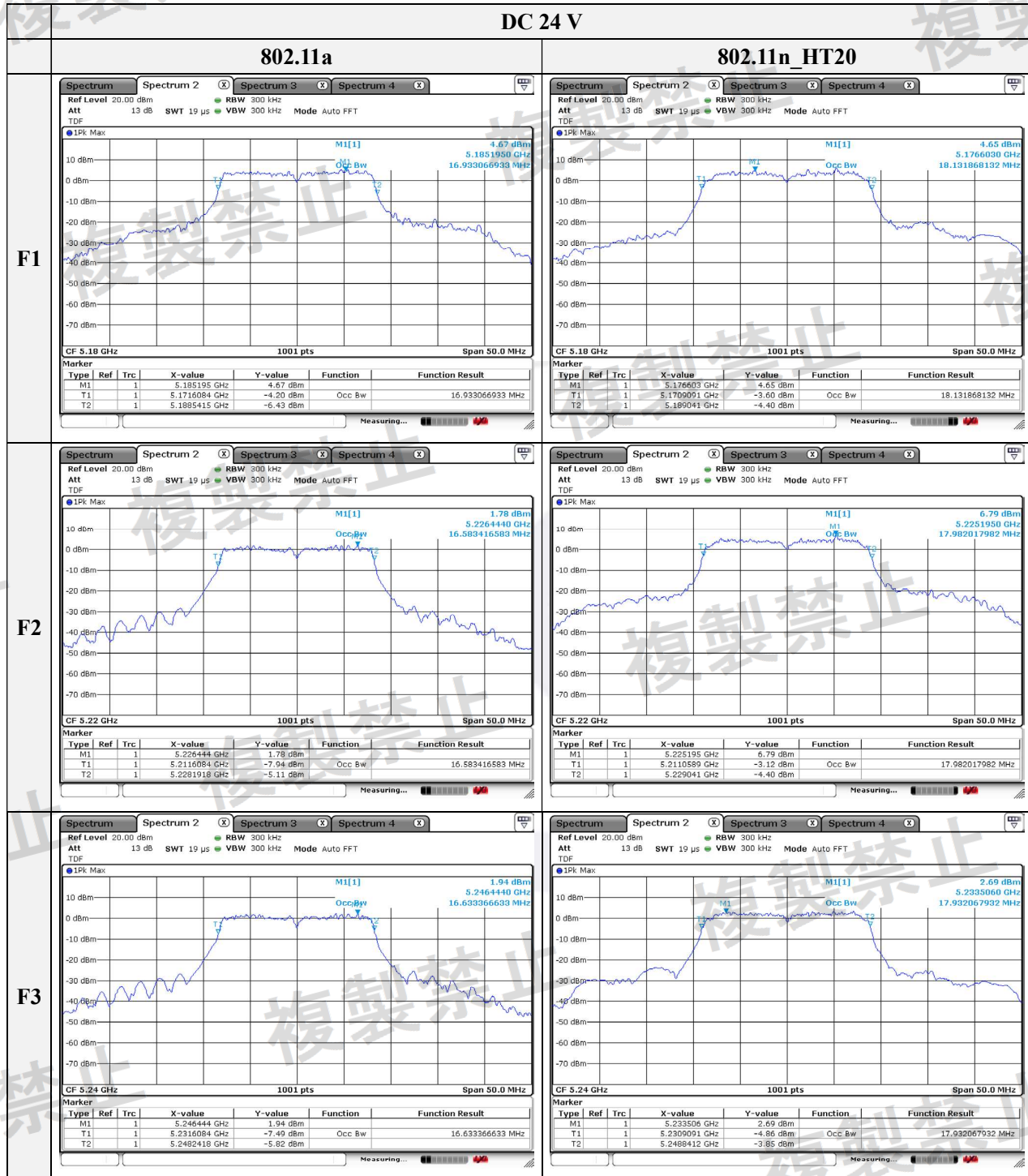


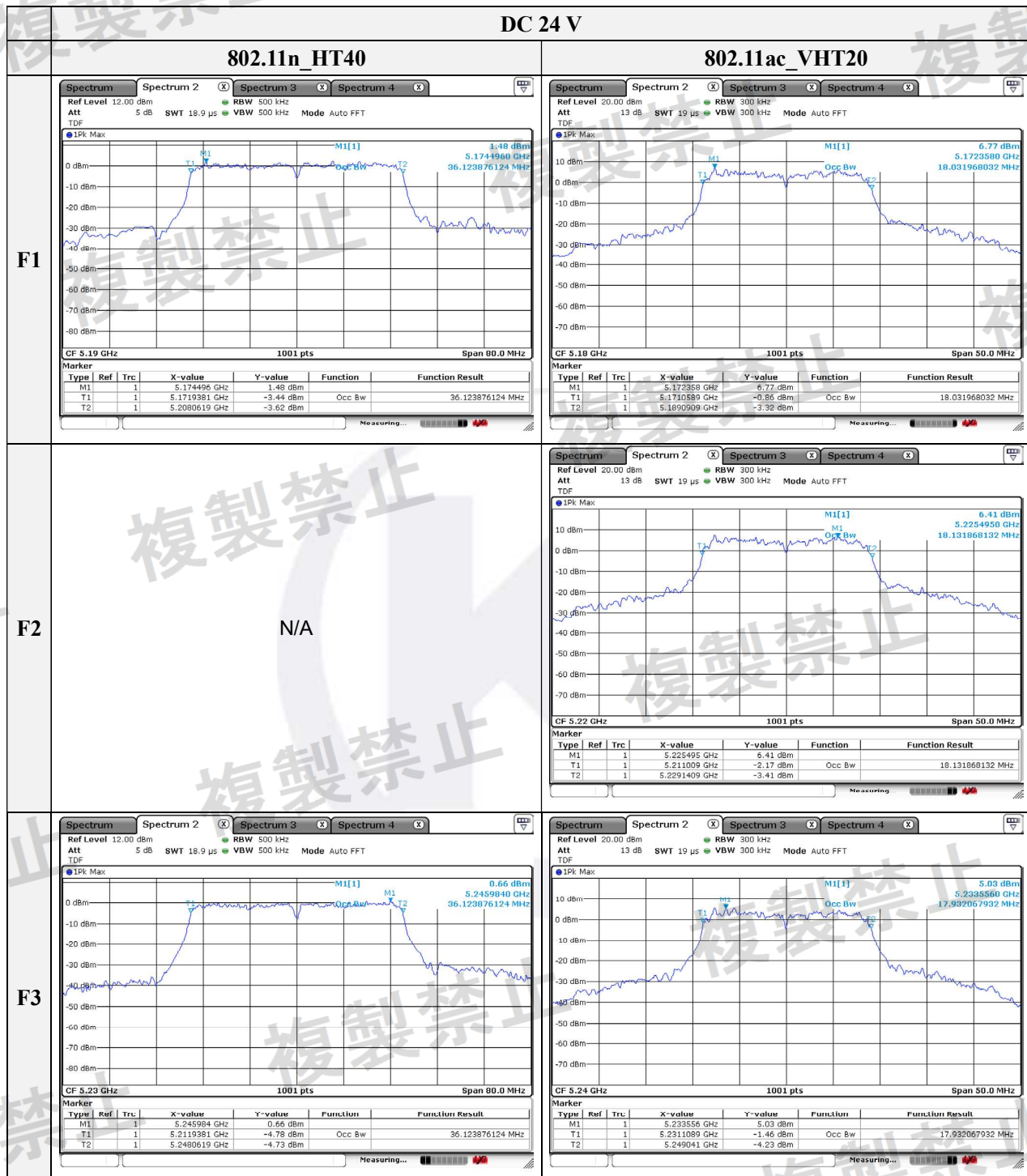
Test plots

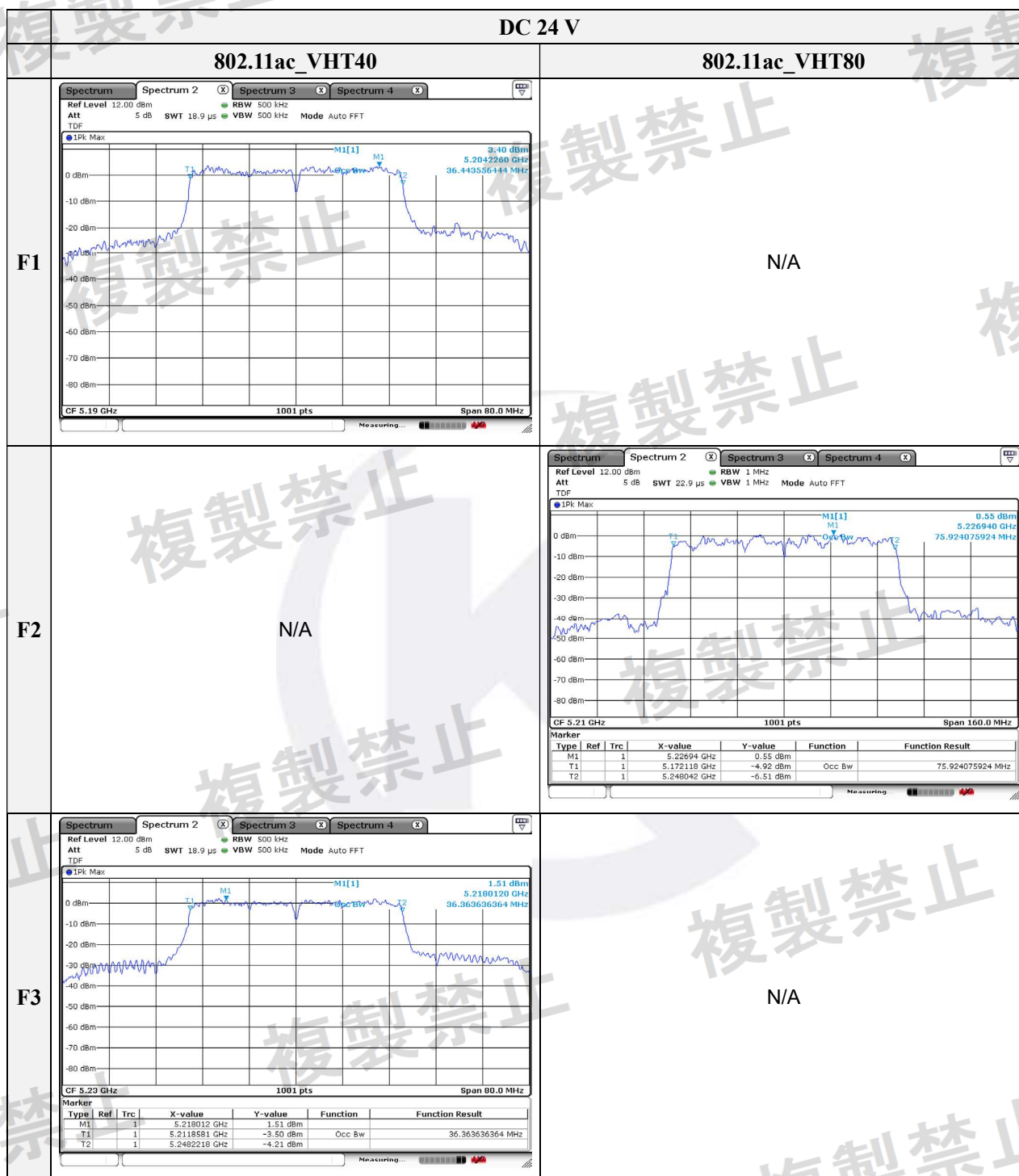














Appendix D. TEST RESULTS FOR RF Output Power

Test results

			High Voltage			Pass or Fail	Limit
			DC 13.2 V				
Test item	Test Mode	Unit	Result				
Output Power	a	Frequency	5 180	5 220	5 240	Pass	1.00 mW/MHz
		mW/MHz	0.47	0.55	0.30		0.20 ~ 1.20 mW/MHz
		%	-53.05	-45.22	-69.76		
Output Power (eirp)		mW/MHz	0.89	1.04	0.57	Pass	Equal or less than 2mW/MHz
Output Power	n_HT20	Frequency	5 180	5 220	5 240	Pass	1.00 mW/MHz
		mW/MHz	0.38	0.45	0.26		0.20 ~ 1.20 mW/MHz
		%	-62.00	-54.94	-74.19		
Output Power (eirp)		mW/MHz	0.72	0.85	0.49	Pass	Equal or less than 2mW/MHz
Output Power	n_HT40	Frequency	5 190		5 230	Pass	0.50 mW/MHz
		mW/MHz	0.12		0.13		0.10 ~ 0.60 mW/MHz
		%	-75.35		-74.43		
Output Power (eirp)		mW/MHz	0.23		0.24	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT20	Frequency	5 180	5 220	5 240	Pass	1.00 mW/MHz
		mW/MHz	0.48	0.47	0.40		0.20 ~ 1.20 mW/MHz
		%	-51.86	-53.38	-59.77		
Output Power (eirp)		mW/MHz	0.91	0.88	0.76	Pass	Equal or less than 2mW/MHz
Output Power	ac_VHT40	Frequency	5 190		5 230	Pass	0.50 mW/MHz
		mW/MHz	0.17		0.23		0.10 ~ 0.60 mW/MHz
		%	-66.10		-53.84		
Output Power (eirp)		mW/MHz	0.32		0.44	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT80	Frequency	5 210			Pass	0.25 mW/MHz
		mW/MHz		0.13			0.05 ~ 0.30 mW/MHz
		%		-49.74			
Output Power (eirp)		mW/MHz		0.24		Pass	Equal or less than 0.5mW/MHz
			Normal Voltage			Pass or Fail	Limit
			DC 12.0 V				
Test item	Test Mode	Unit	Result				
Output Power	a	Frequency	5 180	5 220	5 240	Pass	1.00 mW/MHz
		mW/MHz	0.47	0.52	0.31		0.20 ~ 1.20 mW/MHz
		%	-53.38	-48.28	-68.91		
Output Power (eirp)		mW/MHz	0.88	0.98	0.59	Pass	Equal or less than 2mW/MHz
Output Power	n_HT20	Frequency	5 180	5 220	5 240	Pass	1.00 mW/MHz
		mW/MHz	0.37	0.45	0.26		0.20 ~ 1.20 mW/MHz
		%	-62.95	-55.25	-74.01		
Output Power (eirp)		mW/MHz	0.70	0.85	0.49	Pass	Equal or less than 2mW/MHz
Output Power	n_HT40	Frequency	5 190		5 230	Pass	0.50 mW/MHz
		mW/MHz	0.12		0.13		0.10 ~ 0.60 mW/MHz
		%	-76.41		-73.95		
Output Power (eirp)		mW/MHz	0.22		0.25	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT20	Frequency	5 180	5 220	5 240	Pass	1.00 mW/MHz
		mW/MHz	0.51	0.50	0.41		0.20 ~ 1.20 mW/MHz
		%	-48.77	-49.82	-59.49		
Output Power (eirp)		mW/MHz	0.97	0.95	0.77	Pass	Equal or less than 2mW/MHz
Output Power	ac_VHT40	Frequency	5 190		5 230	Pass	0.50 mW/MHz
		mW/MHz	0.18		0.20		0.10 ~ 0.60 mW/MHz
		%	-63.50		-59.15		
Output Power (eirp)		mW/MHz	0.35		0.39	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT80	Frequency	5 210			Pass	0.25 mW/MHz
		mW/MHz		0.12			0.05 ~ 0.30 mW/MHz
		%		-51.23			
Output Power (eirp)		mW/MHz		0.23		Pass	Equal or less than 0.5mW/MHz



			Low Voltage			Pass or Fail	Limit
			DC 10.8 V				
Test item	Test Mode	Unit	Result				
Output Power	a	Frequency	5 180	5 220	5 240		
		mW/MHz	0.47	0.53	0.31	Pass	1.00 mW/MHz
		%	-53.48	-47.08	-68.69		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.88	1.00	0.59	Pass	Equal or less than 2mW/MHz
Output Power	n_HT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.37	0.45	0.26	Pass	1.00 mW/MHz
		%	-63.04	-55.05	-74.19		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.70	0.85	0.49	Pass	Equal or less than 2mW/MHz
Output Power	n_HT40	Frequency	5 190		5 230		
		mW/MHz	0.12		0.13	Pass	0.50 mW/MHz
		%	-76.41		-74.19		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.22		0.24	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.49	0.47	0.40	Pass	1.00 mW/MHz
		%	-50.85	-53.06	-59.96		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.93	0.89	0.76	Pass	Equal or less than 2mW/MHz
Output Power	ac_VHT40	Frequency	5 190		5 230		
		mW/MHz	0.18		0.21	Pass	0.50 mW/MHz
		%	-63.84		-58.29		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.34		0.40	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT80	Frequency	5 210				
		mW/MHz		0.13		Pass	0.25 mW/MHz
		%		-49.28			0.05 ~ 0.30 mW/MHz
Output Power (eirp)		mW/MHz		0.24		Pass	Equal or less than 0.5mW/MHz
			High Voltage			Pass or Fail	Limit
			DC 26.4 V				
Test item	Test Mode	Unit	Result				
Output Power	a	Frequency	5 180	5 220	5 240		
		mW/MHz	0.46	0.54	0.31	Pass	1.00 mW/MHz
		%	-54.12	-45.72	-68.69		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.87	1.03	0.59	Pass	Equal or less than 2mW/MHz
Output Power	n_HT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.37	0.44	0.26	Pass	1.00 mW/MHz
		%	-62.95	-55.66	-74.31		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.70	0.84	0.49	Pass	Equal or less than 2mW/MHz
Output Power	n_HT40	Frequency	5 190		5 230		
		mW/MHz	0.12		0.13	Pass	0.50 mW/MHz
		%	-75.75		-74.19		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.23		0.24	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.49	0.52	0.41	Pass	1.00 mW/MHz
		%	-50.51	-47.82	-58.83		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.94	0.99	0.78	Pass	Equal or less than 2mW/MHz
Output Power	ac_VHT40	Frequency	5 190		5 230		
		mW/MHz	0.17		0.20	Pass	0.50 mW/MHz
		%	-65.47		-59.98		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.33		0.38	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT80	Frequency	5 210				
		mW/MHz		0.13		Pass	0.25 mW/MHz
		%		-48.22			0.05 ~ 0.30 mW/MHz
Output Power (eirp)		mW/MHz		0.25		Pass	Equal or less than 0.5mW/MHz



			Normal Voltage			Pass or Fail	Limit
			DC 24.0 V				
Test item	Test Mode	Unit	Result				
Output Power	a	Frequency	5 180	5 220	5 240		
		mW/MHz	0.46	0.54	0.31	Pass	1.00 mW/MHz
		%	-54.44	-46.10	-68.98		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.86	1.02	0.59	Pass	Equal or less than 2mW/MHz
Output Power	n_HT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.36	0.46	0.26	Pass	1.00 mW/MHz
		%	-63.88	-54.42	-74.37		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.69	0.86	0.49	Pass	Equal or less than 2mW/MHz
Output Power	n_HT40	Frequency	5 190		5 230		
		mW/MHz	0.12		0.13	Pass	0.50 mW/MHz
		%	-75.75		-74.07		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.23		0.25	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.48	0.49	0.40	Pass	1.00 mW/MHz
		%	-51.86	-51.07	-59.96		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.91	0.93	0.76	Pass	Equal or less than 2mW/MHz
Output Power	ac_VHT40	Frequency	5 190		5 230		
		mW/MHz	0.18		0.21	Pass	0.50 mW/MHz
		%	-64.91		-58.29		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.33		0.40	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT80	Frequency	5 210				
		mW/MHz		0.12		Pass	0.25 mW/MHz
		%		-53.74			0.05 ~ 0.30 mW/MHz
Output Power (eirp)		mW/MHz		0.22		Pass	Equal or less than 0.5mW/MHz
			Low Voltage			Pass or Fail	Limit
			DC 21.6 V				
Test item	Test Mode	Unit	Result				
Output Power	a	Frequency	5 180	5 220	5 240		
		mW/MHz	0.47	0.55	0.31	Pass	1.00 mW/MHz
		%	-53.16	-45.09	-68.84		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.89	1.04	0.59	Pass	Equal or less than 2mW/MHz
Output Power	n_HT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.37	0.44	0.26	Pass	1.00 mW/MHz
		%	-63.21	-55.56	-74.37		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.70	0.84	0.49	Pass	Equal or less than 2mW/MHz
Output Power	n_HT40	Frequency	5 190		5 230		
		mW/MHz	0.12		0.13	Pass	0.50 mW/MHz
		%	-75.64		-74.19		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.23		0.24	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT20	Frequency	5 180	5 220	5 240		
		mW/MHz	0.50	0.49	0.40	Pass	1.00 mW/MHz
		%	-49.93	-50.73	-60.05		0.20 ~ 1.20 mW/MHz
Output Power (eirp)		mW/MHz	0.95	0.93	0.76	Pass	Equal or less than 2mW/MHz
Output Power	ac_VHT40	Frequency	5 190		5 230		
		mW/MHz	0.17		0.22	Pass	0.50 mW/MHz
		%	-66.56		-56.12		0.10 ~ 0.60 mW/MHz
Output Power (eirp)		mW/MHz	0.32		0.42	Pass	Equal or less than 1mW/MHz
Output Power	ac_VHT80	Frequency	5 210				
		mW/MHz		0.12		Pass	0.25 mW/MHz
		%		-51.34			0.05 ~ 0.30 mW/MHz
Output Power (eirp)		mW/MHz		0.23		Pass	Equal or less than 0.5mW/MHz



Appendix E. TEST RESULTS FOR Adjacent Channel leakage Power

Test results

			High Voltage			Pass or Fail	Limit	
			DC 13.2 V					
Test item		Test Mode	Unit	Result				
Adjacent Channel leakage Power			Frequency	5 180	5 220	5 240		
	20MHz	Upper	dBc	-33.97	-33.84	-36.35	Pass	Equal or less than -25dBc
		Lower	dBc	-35.79	-35.06	-36.76		
	40MHz	Upper	dBc	-51.55	-51.89	-47.33	Pass	Equal or less than -40dBc
		Lower	dBc	-52.13	-52.26	-47.79		
			Frequency	5 180	5 220	5 240		
	20MHz	Upper	dBc	-33.25	-32.83	-34.31	Pass	Equal or less than -25dBc
		Lower	dBc	-35.15	-35.17	-35.17		
	40MHz	Upper	dBc	-51.54	-51.63	-46.35	Pass	Equal or less than -40dBc
		Lower	dBc	-51.79	-52.14	-47.10		
			Frequency	5 190		5 230		
	40MHz	Upper	dBc	-37.46		-36.84	Pass	Equal or less than -25dBc
		Lower	dBc	-40.15		-37.58		
	80MHz	Upper	dBc	-49.77		-44.03	Pass	Equal or less than -40dBc
		Lower	dBc	-51.09		-44.53		
			Frequency	5 180	5 220	5 240		
	20MHz	Upper	dBc	-33.21	-33.75	-33.64	Pass	Equal or less than -25dBc
		Lower	dBc	-35.10	-34.31	-36.05		
	40MHz	Upper	dBc	-52.42	-52.21	-46.49	Pass	Equal or less than -40dBc
		Lower	dBc	-52.85	-52.08	-46.99		
			Frequency	5 190		5 230		
	40MHz	Upper	dBc	-37.00		-36.88	Pass	Equal or less than -25dBc
		Lower	dBc	-38.44		-38.84		
	80MHz	Upper	dBc	-47.62		-49.43	Pass	Equal or less than -40dBc
Lower		dBc	-48.43		-50.21			
		Frequency		5 210				
80MHz	Upper	dBc		-36.68		Pass	Equal or less than -25dBc	
	Lower	dBc		-39.00				
			Normal Voltage			Pass or Fail	Limit	
			DC 12.0 V					
Test item		Test Mode	Unit	Result				
Adjacent Channel leakage Power			Frequency	5 180	5 220	5 240		
	20MHz	Upper	dBc	-34.05	-34.14	-36.51	Pass	Equal or less than -25dBc
		Lower	dBc	-36.93	-34.58	-35.30		
	40MHz	Upper	dBc	-51.75	-52.14	-45.31	Pass	Equal or less than -40dBc
		Lower	dBc	-52.08	-52.26	-46.83		
			Frequency	5 180	5 220	5 240		
	20MHz	Upper	dBc	-33.08	-32.82	-34.05	Pass	Equal or less than -25dBc
		Lower	dBc	-34.56	-34.56	-35.04		
	40MHz	Upper	dBc	-51.55	-51.74	-46.50	Pass	Equal or less than -40dBc
		Lower	dBc	-51.70	-51.88	-46.99		
			Frequency	5 190		5 230		
	40MHz	Upper	dBc	-37.28		-37.48	Pass	Equal or less than -25dBc
		Lower	dBc	-39.65		-37.72		
	80MHz	Upper	dBc	-49.60		-44.22	Pass	Equal or less than -40dBc
		Lower	dBc	-50.72		-44.63		
			Frequency	5 180	5 220	5 240		
	20MHz	Upper	dBc	-33.96	-33.45	-33.32	Pass	Equal or less than -25dBc
		Lower	dBc	-35.01	-34.06	-35.04		
	40MHz	Upper	dBc	-52.57	-50.49	-46.66	Pass	Equal or less than -40dBc
		Lower	dBc	-52.59	-50.95	-46.89		
			Frequency	5 190		5 230		
	40MHz	Upper	dBc	-30.37		-37.95	Pass	Equal or less than -25dBc
		Lower	dBc	-37.08		-33.97		
	80MHz	Upper	dBc	-42.92		-44.86	Pass	Equal or less than -40dBc
Lower		dBc	-44.34		-45.21			
		Frequency		5 210				
80MHz	Upper	dBc		-37.75		Pass	Equal or less than -25dBc	
	Lower	dBc		-39.50				



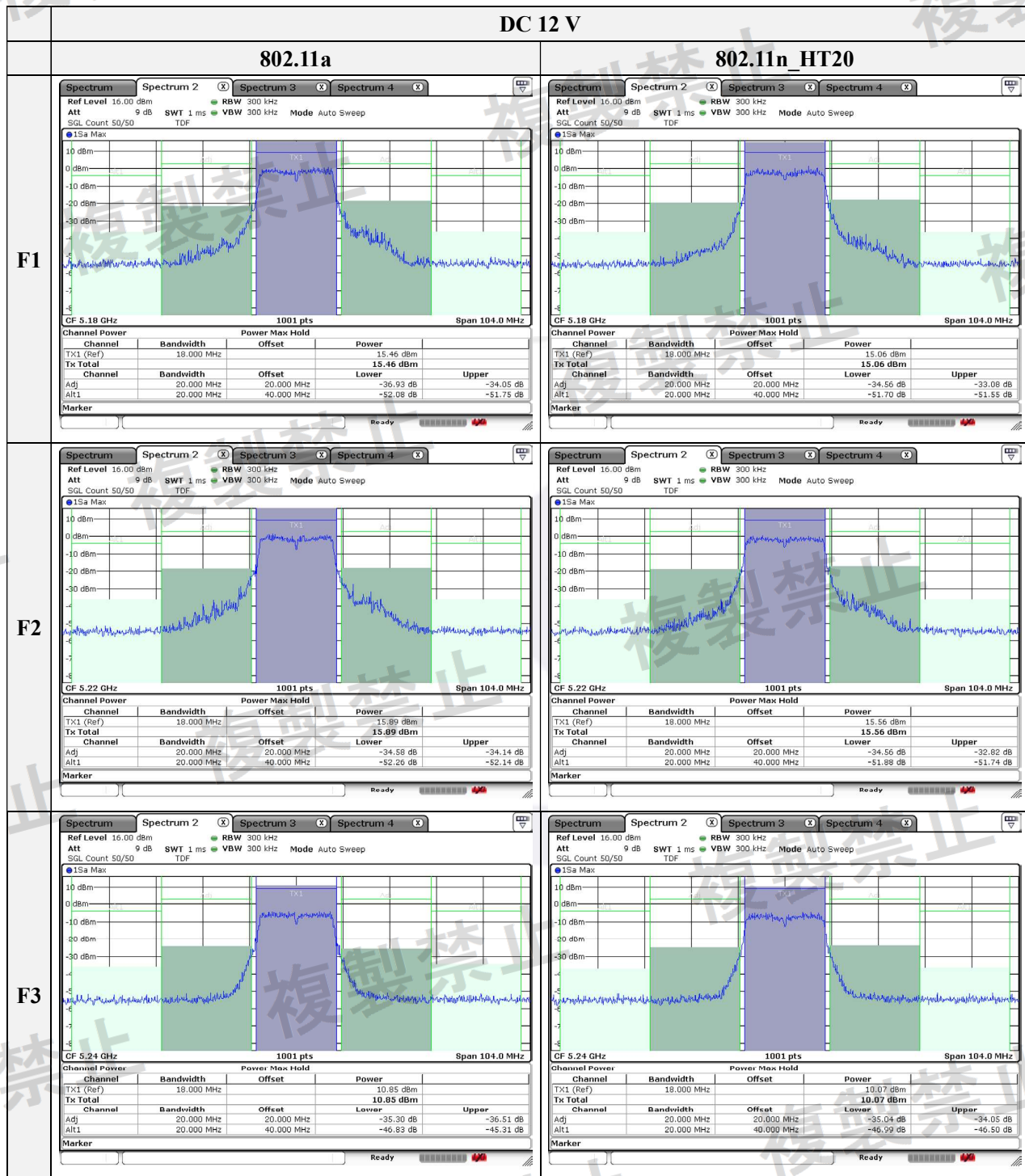
				Low Voltage			Pass or Fail	Limit	
				DC 10.8 V					
Test item			Test Mode	Unit	Result				
Adjacent Channel leakage Power	20MHz	Upper	a	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc
		Lower		dBc	-34.89	-34.16	-35.78		
	40MHz	Upper		dBc	-36.96	-35.13	-35.29	Pass	Equal or less than -40dBc
		Lower		dBc	-50.79	-51.80	-47.18		
				dBc	-52.17	-52.23	-47.92		
		20MHz	Upper	n_HT20	Frequency	5 180	5 220	5 240	Pass
	Lower		dBc		-33.17	-31.90	-34.95		
	40MHz	Upper	dBc		-35.07	-34.53	-34.87	Pass	Equal or less than -40dBc
		Lower	dBc		-50.99	-51.50	-46.39		
				dBc	-51.36	-52.12	-46.93		
		40MHz	Upper	n_HT40	Frequency	5 190		5 230	Pass
	Lower		dBc		-37.13		-37.32		
	80MHz	Upper	dBc		-39.36		-38.09	Pass	Equal or less than -40dBc
		Lower	dBc		-49.63		-44.15		
				dBc	-50.92		-44.72		
		20MHz	Upper	ac_VHT20	Frequency	5 180	5 220	5 240	Pass
	Lower		dBc		-34.19	-33.59	-33.75		
	40MHz	Upper	dBc		-35.18	-33.92	-36.04	Pass	Equal or less than -40dBc
		Lower	dBc		-51.46	-52.43	-46.49		
				dBc	-52.15	-52.94	-46.91		
		40MHz	Upper	ac_VHT40	Frequency	5 190		5 230	Pass
	Lower		dBc		-39.03		-37.70		
	80MHz	Upper	dBc		-39.56		-39.76	Pass	Equal or less than -40dBc
		Lower	dBc		-48.72		-49.58		
			dBc	-50.39		-50.51			
	80MHz	Upper	ac_VHT80	Frequency	5 210			Pass	Equal or less than -25dBc
Lower		dBc			-32.78				
				High Voltage			Pass or Fail	Limit	
				DC 26.4 V					
Test item			Test Mode	Unit	Result				
Adjacent Channel leakage Power	20MHz	Upper	a	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc
		Lower		dBc	-34.87	-33.89	-35.91		
	40MHz	Upper		dBc	-35.58	-35.50	-35.81	Pass	Equal or less than -40dBc
		Lower		dBc	-51.93	-51.81	-47.04		
				dBc	-52.48	-52.36	-47.67		
		20MHz	Upper	n_HT20	Frequency	5 180	5 220	5 240	Pass
	Lower		dBc		-33.36	-32.59	-33.82		
	40MHz	Upper	dBc		-35.19	-34.77	-34.82	Pass	Equal or less than -40dBc
		Lower	dBc		-51.19	-51.65	-46.54		
				dBc	-51.68	-52.13	-46.91		
		40MHz	Upper	n_HT40	Frequency	5 190		5 230	Pass
	Lower		dBc		-37.67		-37.26		
	80MHz	Upper	dBc		-39.08		-38.25	Pass	Equal or less than -40dBc
		Lower	dBc		-49.71		-44.20		
				dBc	-50.82		-44.72		
		20MHz	Upper	ac_VHT20	Frequency	5 180	5 220	5 240	Pass
	Lower		dBc		-34.14	-33.56	-34.43		
	40MHz	Upper	dBc		-35.70	-33.93	-34.32	Pass	Equal or less than -40dBc
		Lower	dBc		-52.87	-52.62	-46.59		
				dBc	-53.25	-53.01	-46.95		
		40MHz	Upper	ac_VHT40	Frequency	5 190		5 230	Pass
	Lower		dBc		-39.31		-37.29		
	80MHz	Upper	dBc		-38.77		-38.76	Pass	Equal or less than -40dBc
		Lower	dBc		-48.01		-48.49		
			dBc	-50.15		-49.73			
	80MHz	Upper	ac_VHT80	Frequency	5 210			Pass	Equal or less than -25dBc
Lower		dBc			-37.78				

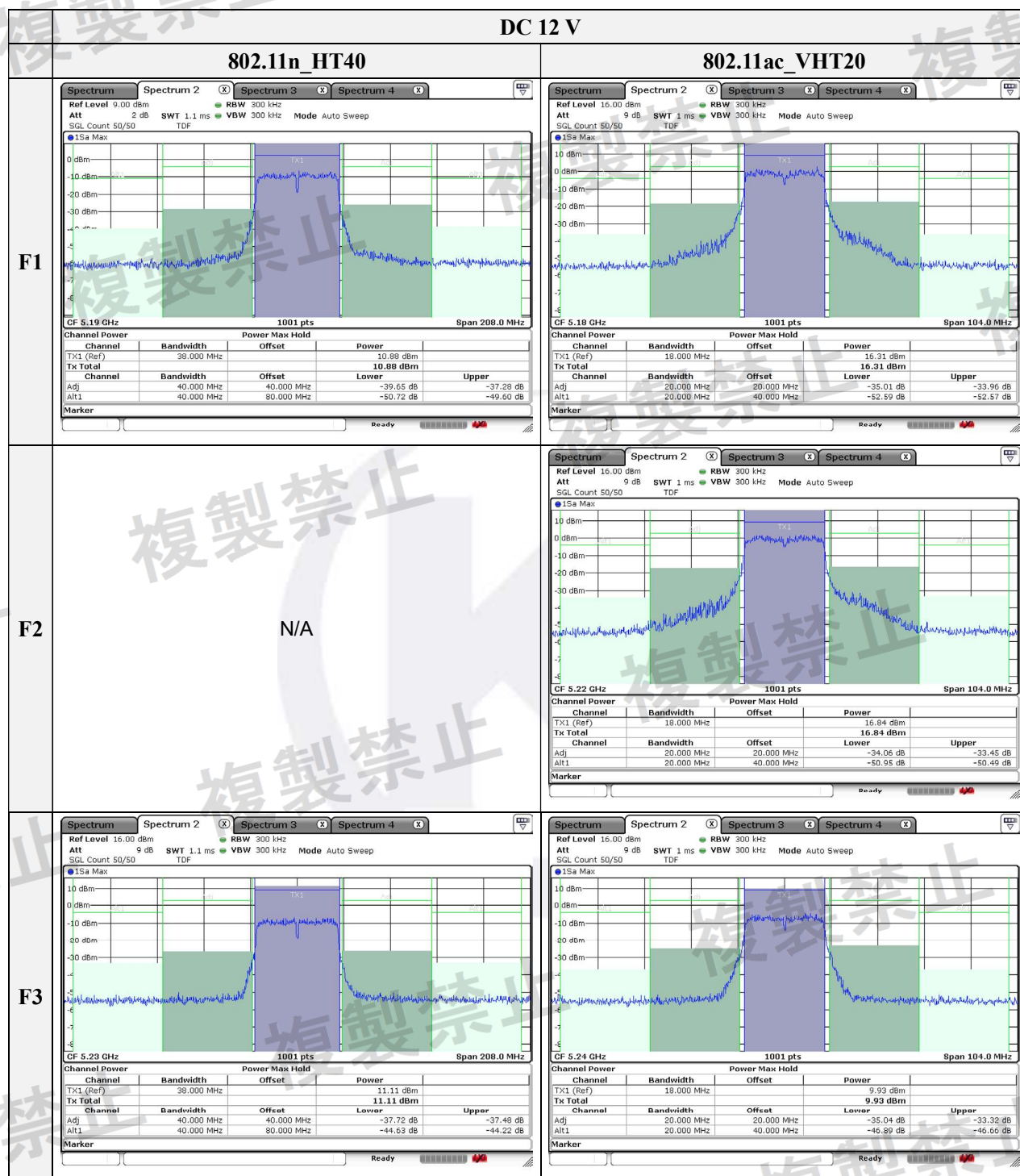


			Normal Voltage				Pass or Fail	Limit	
			DC 24.0 V						
Test item		Test Mode	Unit	Result					
Adjacent Channel leakage Power	20MHz	Upper	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc	
		Lower	dBc	-34.32	-34.79	-35.97			
	40MHz	Upper	dBc	-36.69	-35.40	-35.64	Pass	Equal or less than -40dBc	
		Lower	dBc	-51.79	-52.22	-47.13			
				Frequency	5 180	5 220	5 240		
				dBc	-52.34	-52.45	-47.81		
	20MHz	Upper	n_HT20	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc
		Lower		dBc	-33.83	-32.73	-33.91		
	40MHz	Upper		dBc	-34.75	-35.08	-36.14	Pass	Equal or less than -40dBc
		Lower		dBc	-51.58	-51.50	-46.57		
				Frequency	5 180	5 220	5 240		
				dBc	-51.84	-52.04	-46.93		
	40MHz	Upper	n_HT40	Frequency	5 190		5 230	Pass	Equal or less than -25dBc
		Lower		dBc	-37.82		-37.28		
	80MHz	Upper		dBc	-38.08		-37.80	Pass	Equal or less than -40dBc
		Lower		dBc	-48.83		-44.24		
				Frequency	5 180	5 220	5 240		
				dBc	-49.55		-44.57		
	20MHz	Upper	ac_VHT20	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc
		Lower		dBc	-34.21	-33.82	-34.75		
	40MHz	Upper		dBc	-35.12	-34.12	-35.48	Pass	Equal or less than -40dBc
		Lower		dBc	-52.60	-52.94	-46.21		
				Frequency	5 190		5 230		
				dBc	-53.05	-53.10	-46.95		
40MHz	Upper	ac_VHT40	Frequency	5 190		5 230	Pass	Equal or less than -25dBc	
	Lower		dBc	-38.20		-36.27			
80MHz	Upper		dBc	-37.50		-40.46	Pass	Equal or less than -40dBc	
	Lower		dBc	-48.36		-49.28			
			Frequency	5 210			Pass	Equal or less than -25dBc	
			dBc		-38.36				-50.79
			Frequency	5 210					
			dBc		-40.98				
			Low Voltage				Pass or Fail	Limit	
			DC 21.6 V						
Test item		Test Mode	Unit	Result					
Adjacent Channel leakage Power	20MHz	Upper	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc	
		Lower	dBc	-33.58	-33.93	-35.48			
	40MHz	Upper	dBc	-35.98	-34.98	-36.85	Pass	Equal or less than -40dBc	
		Lower	dBc	-51.73	-51.81	-47.42			
				Frequency	5 180	5 220	5 240		
				dBc	-52.20	-52.45	-47.69		
	20MHz	Upper	n_HT20	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc
		Lower		dBc	-33.69	-32.81	-33.31		
	40MHz	Upper		dBc	-35.61	-34.87	-35.09	Pass	Equal or less than -40dBc
		Lower		dBc	-51.16	-51.45	-46.50		
				Frequency	5 180	5 220	5 240		
				dBc	-50.54	-52.13	-46.83		
	40MHz	Upper	n_HT40	Frequency	5 190		5 230	Pass	Equal or less than -25dBc
		Lower		dBc	-37.58		-36.70		
	80MHz	Upper		dBc	-38.88		-37.18	Pass	Equal or less than -40dBc
		Lower		dBc	-49.75		-43.89		
				Frequency	5 180	5 220	5 240		
				dBc	-50.74		-44.40		
	20MHz	Upper	ac_VHT20	Frequency	5 180	5 220	5 240	Pass	Equal or less than -25dBc
		Lower		dBc	-33.63	-33.49	-34.43		
	40MHz	Upper		dBc	-35.50	-34.67	-34.99	Pass	Equal or less than -40dBc
		Lower		dBc	-52.26	-52.30	-46.57		
				Frequency	5 190		5 230		
				dBc	-52.88	-52.93	-47.04		
40MHz	Upper	ac_VHT40	Frequency	5 190		5 230	Pass	Equal or less than -25dBc	
	Lower		dBc	-38.51		-37.41			
80MHz	Upper		dBc	-38.51		-39.25	Pass	Equal or less than -40dBc	
	Lower		dBc	-42.53		-49.70			
			Frequency	5 210			Pass	Equal or less than -25dBc	
			dBc		-38.89				
			Frequency	5 210					
			dBc		-36.62				

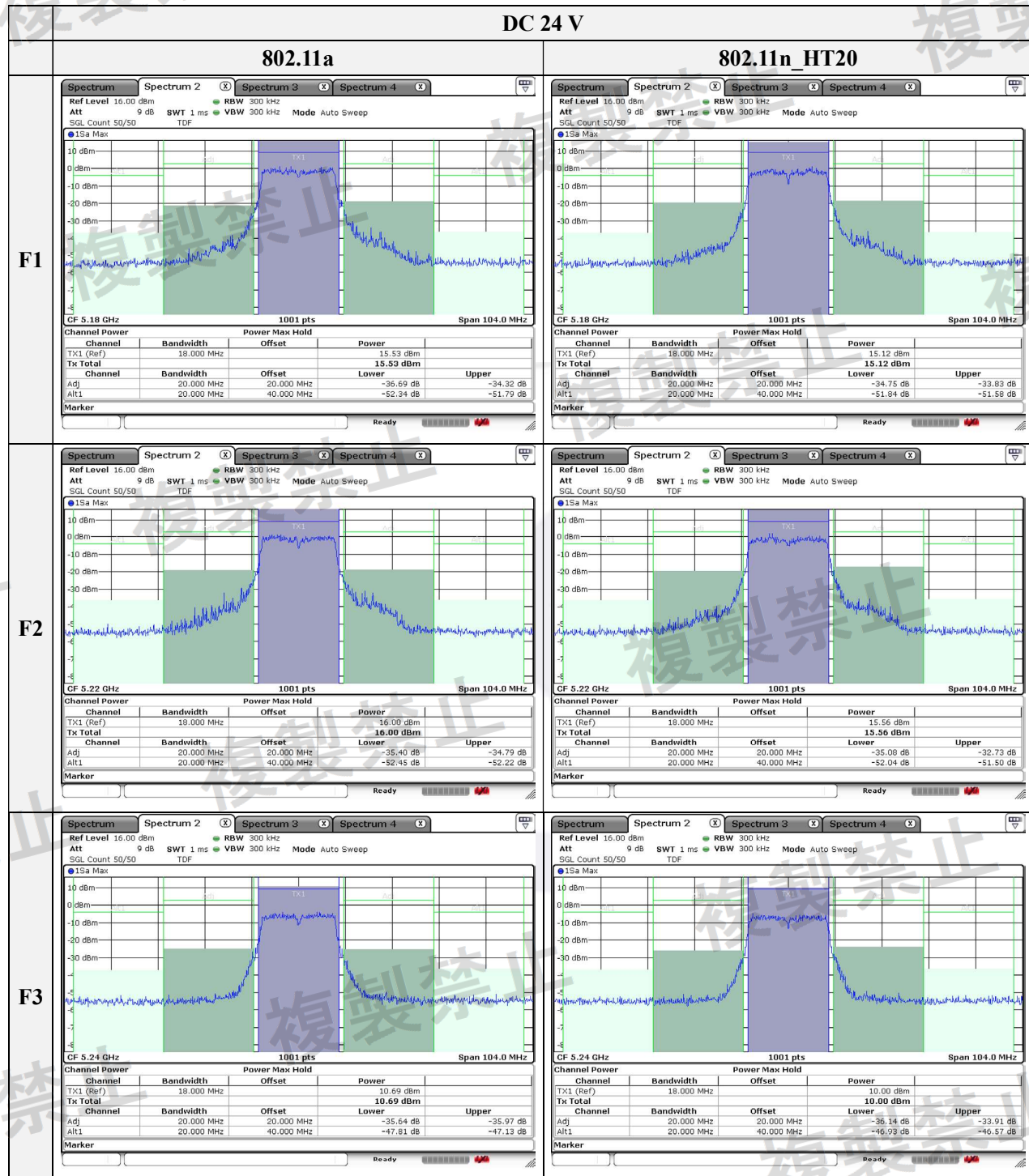


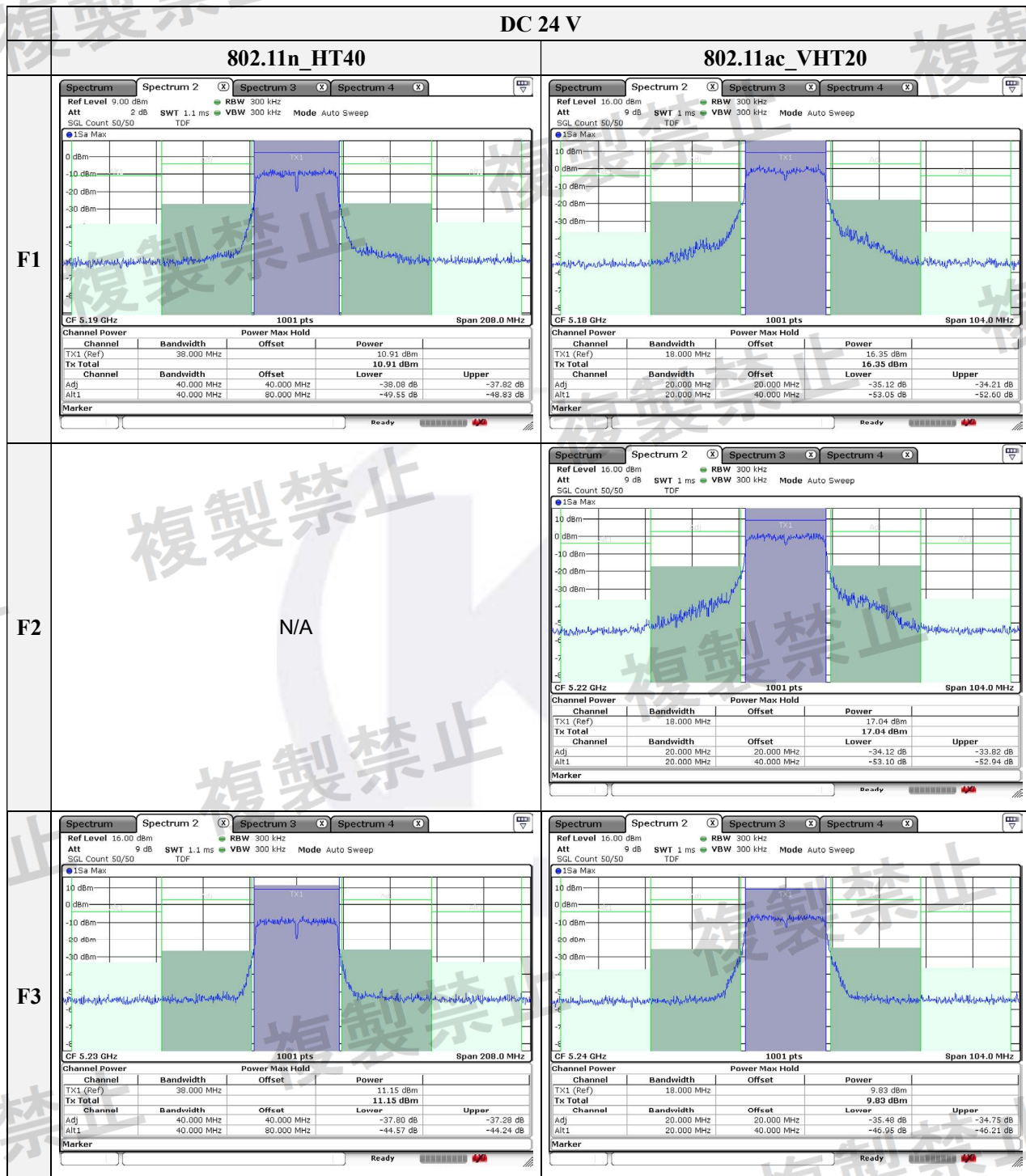
Test plots

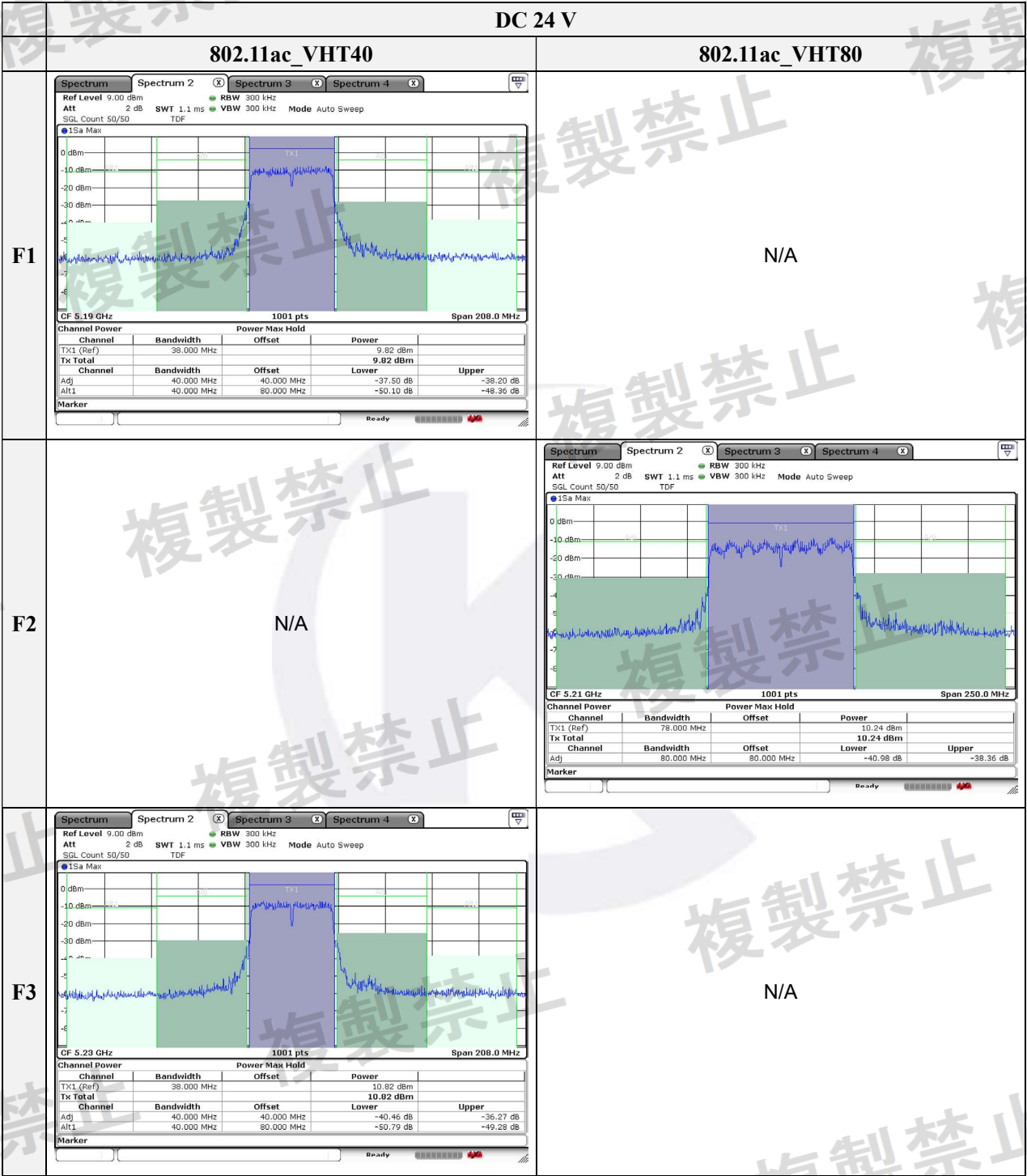














Appendix F. TEST RESULTS FOR Transmitter spurious emissions

Test results

			High Voltage			Pass or Fail	Limit	
			DC 13.2 V					
Test Item	Test Mode	Unit	Result					
			5 180	5 220	5 240			
TX Spurious Emission	Less than 5 142 MHz	802.11a	dBm/Hz	-48.94	-48.84	-49.42	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz	0.013	0.013	0.011		
			dBm/Hz (E.I.R.P.)	-46.16	-46.06	-46.64	Pass	
			µW/Hz (E.I.R.P.)	0.024	0.025	0.022		
			MHz	5 124.13	5 073.06	4.352.99		
			dBm/Hz	-42.84	-48.86	-51.62		
			µW/Hz	0.052	0.013	0.007		
			dBm/Hz (E.I.R.P.)	-40.06	-46.08	-48.84	Pass	
			µW/Hz (E.I.R.P.)	0.099	0.025	0.013		
			MHz	5 148.45	5 144.39	5 142.04		
			dBm/Hz	-47.69	-43.79	-18.32		
			mW/Hz	0.000 017	0.000 042	0.014 723	Pass	
	5 142 ~ 5 150 MHz		dBm/Hz (E.I.R.P.)	-44.91	-41.01	-15.54		Equal or less than 3 µW/Hz
			mW/Hz	0.000 032	0.000 079	0.027 925		
			MHz	5 250.07	5 250.17	5 250.17		
			dBm/Hz	-48.36	-45.27	-19.24		
			mW/Hz	0.000 015	0.000 030	0.011 912	Pass	
			dBm/Hz (E.I.R.P.)	-45.58	-42.49	-16.46		
			mW/Hz	0.000 028	0.000 056	0.022 594	Pass	
			MHz	5 250.55	5 250.57	5 250.31		
			dBm/Hz	-49.06	-45.37	-25.45		
			mW/Hz	0.000 012	0.000 029	0.002 451	Pass	
			dBm/Hz (E.I.R.P.)	-46.28	-42.59	-22.67		
			mW/Hz	0.000 024	0.000 055	0.005 408	Pass	
	5 250 ~ 5 250.2 MHz		MHz	5 259.57	5 251.02	5 251.25		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (64.75 mW) Δ limit 0.400 587 mW/Hz F1 limit : 0.280 347 mW/Hz F2 limit : 0.151 716 mW/Hz
			dBm/Hz	-47.90	-46.06	-48.24		
			mW/Hz	0.000 016	0.000 025	0.000 015	Pass	
			dBm/Hz (E.I.R.P.)	-45.12	-43.28	-45.46		
			mW/Hz	0.000 031	0.000 047	0.000 028	Pass	
			MHz	5 265.09	5 261.38	5 261.11		
			dBm/Hz	-48.17	-48.10	-48.85		
			µW/Hz	0.015	0.015	0.013	Pass	
			dBm/Hz (E.I.R.P.)	-45.39	-45.32	-46.07		
			µW/Hz (E.I.R.P.)	0.029	0.029	0.025	Pass	
			MHz	5343.05	5293.56	5 317.03		
			dBm/Hz	-47.70	-46.60	-47.50	Pass	
	5 260 ~ 5 266.7MHz		µW/Hz	0.017	0.022	0.018		Equal or less than 0.5 µW/Hz
			dBm/Hz (E.I.R.P.)	-44.92	-43.82	-44.72		
			µW/Hz (E.I.R.P.)	0.032	0.041	0.034	Pass	
			MHz	15 682.50	6 921.39	15 723.73		
			Frequency	5 180	5 220	5 240		
			dBm/Hz	-49.85	-49.69	-50.35	Pass	
µW/Hz			0.010	0.011	0.009	Pass		
dBm/Hz (E.I.R.P.)			-47.07	-46.91	-47.57			
µW/Hz (E.I.R.P.)			0.020	0.020	0.017	Pass		
MHz			5 134.34	5 103.70	4 945.38			
dBm/Hz			-48.29	-50.90	-51.17			
µW/Hz			0.015	0.008	0.008	Pass		
5 142 ~ 5 150 MHz		dBm/Hz (E.I.R.P.)	-45.51	-48.12	-48.39		Equal or less than 3 µW/Hz	
		µW/Hz (E.I.R.P.)	0.028	0.015	0.014			
		MHz	5 148.05	5 144.89	5 145.47			
		dBm/Hz	-49.15	-43.96	-14.69			
		mW/Hz	0.000 012	0.000 040	0.033 963	Pass		
		dBm/Hz (E.I.R.P.)	-46.37	-41.18	-11.91			
		mW/Hz	0.000 023	0.000 076	0.064 417			
		MHz	5 250.09	5 250.07	5 250.07	Pass		
		dBm/Hz	-49.71	-44.36	-15.80			
		mW/Hz	0.000 011	0.000 037	0.026 303	Pass		
		dBm/Hz (E.I.R.P.)	-46.93	-41.58	-13.02			
		mW/Hz (E.I.R.P.)	0.000 020	0.000 070	0.049 888	Pass		
5 250.2 ~ 5 251MHz	802.11n HT20	MHz	5 250.90	5 250.31	5 250.21		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (64.75 mW) Δ limit 0.400 587 mW/Hz F1 limit : 0.247 950 mW/Hz F2 limit : 0.280 347 mW/Hz	
		dBm/Hz	-48.94	-43.86	-25.61			
		mW/Hz	0.000 013	0.000 041	0.002 748	Pass		
		dBm/Hz (E.I.R.P.)	-46.16	-41.08	-22.83			
		mW/Hz (E.I.R.P.)	0.000 024	0.000 078	0.005 212			
		MHz	5 256.72	5 252.02	5 251.01			
		dBm/Hz	-49.25	-49.06	-47.55			
		mW/Hz	0.000 012	0.000 012	0.000 018	Pass		
		dBm/Hz (E.I.R.P.)	-46.47	-46.28	-44.77			
		µW/Hz (E.I.R.P.)	0.000 023	0.000 024	0.000 033			
		MHz	5 265.75	5 260.30	5 261.25			
		dBm/Hz	-48.64	-47.75	-48.08	Pass		
5 260 ~ 5 266.7MHz		µW/Hz	0.014	0.017	0.016		Equal or less than 0.5 µW/Hz	
		dBm/Hz (E.I.R.P.)	-45.86	-44.97	-45.30			
		µW/Hz (E.I.R.P.)	0.026	0.032	0.030			
		MHz	5286.78	5 359.16	5 268.91			
		dBm/Hz	-46.43	-47.37	-47.38			
		µW/Hz	0.023	0.018	0.018	Pass		
		dBm/Hz (E.I.R.P.)	-43.65	-44.59	-44.60			
		µW/Hz (E.I.R.P.)	0.043	0.035	0.035			
		MHz	15 682.50	15 661.89	15 723.73			



			High Voltage				Pass or Fail	Limit				
			DC 13.2 V									
Test item	Test Mode	Unit	Result									
			5 190		5 230							
TX Spurious Emission	Less than 5 141.6 MHz	Frequency	dBm/Hz	-50.16		-49.26	Pass	Equal or less than 0.5 µV/Hz				
			µW/Hz	0.010		0.012						
			dBm/Hz (E.J.R.P.)	-47.38		-46.48	Pass					
			µW/Hz (E.J.R.P.)	0.018		0.022						
			MHz	4 490.52		5 001.17						
			dBm/Hz	-49.77		-51.54						
			µW/Hz	0.011		0.007						
			dBm/Hz (E.J.R.P.)	-46.99		-48.76	Pass					
			µW/Hz (E.J.R.P.)	0.020		0.013						
			MHz	5 142.80		5 143.16						
			dBm/Hz	-49.98		-23.19						
			mW/Hz	0.000 010		0.004 797						
			dBm/Hz (E.J.R.P.)	-47.20		-20.41	Pass					
			mW/Hz (E.J.R.P.)	0.000 019		0.009 099						
			MHz	5 250.12		5 250.49						
			dBm/Hz	-50.74		-28.49						
			mW/Hz	0.000 008		0.001 416						
			dBm/Hz (E.J.R.P.)	-47.96		-25.71	Pass					
			mW/Hz (E.J.R.P.)	0.000 016		0.002 685						
			MHz	5 262.85		5 251.03						
			dBm/Hz	-49.59		-46.82						
			mW/Hz	0.000 011		0.000 021						
			dBm/Hz (E.J.R.P.)	-46.81		-44.04	Pass					
			mW/Hz (E.J.R.P.)	0.000 021		0.000 039						
			MHz	5 271.39		5 273.55						
			dBm/Hz	-50.37		-50.94						
			µW/Hz	0.009		0.008						
			dBm/Hz (E.J.R.P.)	-47.59		-48.16	Pass					
			µW/Hz (E.J.R.P.)	0.017		0.015						
			MHz	5 310.77		5 280.65						
			dBm/Hz	-47.38		-46.75						
			µW/Hz	0.018		0.021						
			dBm/Hz (E.J.R.P.)	-44.60		-43.97	Pass					
			µW/Hz (E.J.R.P.)	0.035		0.040						
			MHz	15 679.42		15 700.00						
			TX Spurious Emission	Less than 5 142 MHz	Frequency	5 180	5 220		5 240	Pass	Equal or less than 0.5 µV/Hz	
						dBm/Hz	-49.53		-49.55	-50.13		
						µW/Hz	0.011		0.011	0.010		
						dBm/Hz (E.J.R.P.)	-46.75		-46.77	-47.35		Pass
						µW/Hz (E.J.R.P.)	0.021		0.021	0.018		
MHz	5 134.34	5 042.42				5 093.48						
dBm/Hz	-46.47	-49.64				-50.57						
µW/Hz	0.023	0.011				0.009						
dBm/Hz (E.J.R.P.)	-43.69	-46.86				-47.79	Pass					
µW/Hz (E.J.R.P.)	0.043	0.021				0.017						
MHz	5 149.95	5 146.42				5 147.61						
dBm/Hz	-48.00	-42.13				-14.65						
mW/Hz	0.000 016	0.000 061				0.034 277						
dBm/Hz (E.J.R.P.)	-45.22	-39.35				-11.87	Pass					
mW/Hz (E.J.R.P.)	0.000 030	0.000 116				0.065 013						
MHz	5 250.02	5 250.16				5 250.08						
dBm/Hz	-49.50	-40.85				-16.55						
mW/Hz	0.000 011	0.000 082				0.022 131						
dBm/Hz (E.J.R.P.)	-46.72	-38.07				-13.77	Pass					
mW/Hz (E.J.R.P.)	0.000 021	0.000 156				0.041 976						
MHz	5 250.81	5 250.20				5 250.29						
dBm/Hz	-48.60	-43.32				-23.98						
mW/Hz	0.000 014	0.000 047				0.003 999						
dBm/Hz (E.J.R.P.)	-45.82	-40.54				-21.20	Pass					
mW/Hz (E.J.R.P.)	0.000 026	0.000 088				0.007 586						
MHz	5 256.45	5 252.09				5 251.27						
dBm/Hz	-48.73	-48.05				-46.76						
mW/Hz	0.000 013	0.000 016				0.000 021						
dBm/Hz (E.J.R.P.)	-45.95	-45.27				-43.98	Pass					
mW/Hz (E.J.R.P.)	0.000 025	0.000 030				0.000 040						
MHz	5 260.58	5 265.64				5 260.98						
dBm/Hz	-47.71	-47.80				-48.99						
µW/Hz	0.017	0.017				0.013						
dBm/Hz (E.J.R.P.)	-44.93	-45.02				-46.21	Pass					
µW/Hz (E.J.R.P.)	0.032	0.031				0.024						
MHz	5288.45	5277.55				5 293.75						
dBm/Hz	-45.87	-47.26				-47.36						
µW/Hz	0.026	0.019				0.018						
dBm/Hz (E.J.R.P.)	-43.09	-44.48				-44.58	Pass					
µW/Hz (E.J.R.P.)	0.049	0.036				0.035						
MHz	15.682 50	15.682 50	15.661 89									



			High Voltage			Pass or Fail	Limit		
			DC 13.2 V						
Test item	Test Mode	Unit	Result						
TX Spurious Emission	Frequency	802.11ac VHT40	5 190		5 230				
			Less than 5 141.6 MHz	dBm/Hz	-50.12		-50.02	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz	0.010		0.010			
			dBm/Hz (E.J.R.P.)	-47.34		-47.24	Pass		
			µW/Hz (E.J.R.P.)	0.018		0.019			
			5 141.6 ~ 5 150 MHz	MHz	5 139.05		4 965.43		Equal or less than 3 µW/Hz
				dBm/Hz	-50.95		-50.51	Pass	
				µW/Hz	0.008		0.009		
				dBm/Hz (E.J.R.P.)	-48.17		-47.73		
			5 250 ~ 5 251 MHz	µW/Hz (E.J.R.P.)	0.015		0.017		Equal or less than 0.2 × 10 ⁻⁴ (-40) (-40) (1/2) µW/Hz Δ limit 0.100 000 mW/Hz ~ 0.010 000 mW/Hz F1 limit : 0.014 454 mW/Hz
				MHz	5 144.07		5 141.97		
				dBm/Hz	-49.47		-26.31	Pass	
				mW/Hz	0.000 011		0.002 339		
			5 251 ~ 5 270 MHz	dBm/Hz (E.J.R.P.)	-46.69		-23.53		Equal or less than 0.2 × 10 ⁻⁴ (-40) (-40) (1/2) µW/Hz Δ limit 0.010 000 mW/Hz ~ 0.001 585 mW/Hz F1 limit : 0.002 130 mW/Hz
				MHz	5 250.84		5 250.73		
				dBm/Hz	-50.54		-27.81	Pass	
				mW/Hz	0.000 009		0.001 656		
			5 270 ~ 5 278.4 MHz	dBm/Hz (E.J.R.P.)	-47.76		-25.03		Equal or less than 0.2 × 10 ⁻⁴ (-40) (-40) (1/2) µW/Hz Δ limit 0.001 585 mW/Hz ~ 0.000 497 mW/Hz F1 limit : 0.000 630 mW/Hz
				MHz	5 266.95		5 251.12		
				dBm/Hz	-48.63		-49.05	Pass	
				mW/Hz	0.000 014		0.000 012		
			5 278.4 ~ 5 400 MHz	dBm/Hz (E.J.R.P.)	-45.85		-46.27		Equal or less than 0.5 µW/Hz
				MHz	5 276.68		5 271.14		
				dBm/Hz	-50.90		-50.11	Pass	
				µW/Hz	0.008		0.010		
			More than 5 400 MHz	dBm/Hz (E.J.R.P.)	-48.12		-47.33		Equal or less than 0.5 µW/Hz
				µW/Hz (E.J.R.P.)	0.015		0.018		
MHz	5 395.44			5 307.62					
dBm/Hz	-47.97			-0 047.25	Pass				
	µW/Hz	0.016		0.019		Equal or less than 0.5 µW/Hz			
	dBm/Hz (E.J.R.P.)	-45.19		-44.47	Pass				
	µW/Hz (E.J.R.P.)	0.030		0.036					
	MHz	5 760.14		15 679.42					
TX Spurious Emission	Frequency	802.11ac VHT80	5 210		5 210				
			Less than 5 123.2 MHz	dBm/Hz	-50.05		-50.05	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz	0.010		0.010			
			dBm/Hz (E.J.R.P.)	-47.27		-47.27	Pass		
			µW/Hz (E.J.R.P.)	0.019		0.019			
			5 123.2 ~ 5 150 MHz	MHz	5 110.48		5 110.48		Equal or less than 3 µW/Hz
				dBm/Hz	-49.90		-49.90	Pass	
				µW/Hz	0.010		0.010		
				dBm/Hz (E.J.R.P.)	-47.12		-47.12		
			5 250 ~ 5 251 MHz	µW/Hz (E.J.R.P.)	0.019		0.019		Equal or less than 0.2 × 10 ⁻⁴ (-40) (-40) (1/2) µW/Hz Δ limit 0.050 000 mW/Hz ~ 0.005 000 mW/Hz F1 limit : 0.014 092 mW/Hz
				MHz	5 148.01		5 148.01		
				dBm/Hz	-29.54		-29.54	Pass	
				mW/Hz	0.001 112		0.001 112		
			5 251 ~ 5 290 MHz	dBm/Hz (E.J.R.P.)	-26.76		-26.76		Equal or less than 0.2 × 10 ⁻⁴ (-40) (-40) (1/2) µW/Hz Δ limit 0.005 000 mW/Hz ~ 0.000 792 mW/Hz F1 limit : 0.004 958 mW/Hz
				MHz	5 250.55		5 250.55		
				dBm/Hz	-33.11		-33.11	Pass	
				mW/Hz	0.000 489		0.000 489		
			5 290 ~ 5 296.7 MHz	dBm/Hz (E.J.R.P.)	-30.33		-30.33		Equal or less than 0.2 × 10 ⁻⁴ (-40) (-40) (1/2) µW/Hz Δ limit 0.000 792 mW/Hz ~ 0.000 499 mW/Hz F1 limit : 0.000 509 mW/Hz
				MHz	5 251.18		5 251.18		
				dBm/Hz	-46.50		-46.50	Pass	
				mW/Hz	0.000 022		0.000 022		
			5 296.7 ~ 5 480 MHz	dBm/Hz (E.J.R.P.)	-43.72		-43.72		Equal or less than 0.5 µW/Hz
				MHz	5 296.40		5 296.40		
				dBm/Hz	-48.70		-48.70	Pass	
				µW/Hz	0.013		0.013		
			More than 5 480 MHz	dBm/Hz (E.J.R.P.)	-45.92		-45.92		Equal or less than 0.5 µW/Hz
				MHz	5 370.59		5 370.59		
				dBm/Hz	-46.85		-46.85	Pass	
				µW/Hz	0.021		0.021		
				dBm/Hz (E.J.R.P.)	-44.07		-44.07		Equal or less than 0.5 µW/Hz
				MHz	5 920.74		5 920.74		
µW/Hz	0.039			0.039	Pass				
MHz	5 920.74			5 920.74					



			Normal Voltage			Pass or Fail	Limit					
Test item	Test Mode	Unit	DC 12.0 V									
TX Spurious Emission	802.11a	Frequency	5 180	5 220	5 240							
		Less than 5 142 MHz	dBm/Hz	-49.05	-49.89	-50.06	Pass	Equal or less than 0.5 μW/Hz				
			μW/Hz	0.012	0.010	0.010						
			dBm/Hz (E.I.R.P.)	-46.27	-47.11	-47.28	Pass					
		5 142 ~ 5 150 MHz	μW/Hz (E.I.R.P.)	0.024	0.019	0.019						
			MHz	5 119.02	5 129.23	5 001.56	Pass	Equal or less than 3 μW/Hz				
			dBm/Hz	-41.71	-47.89	-51.43						
		μW/Hz	0.067	0.016	0.007							
		5 250 ~ 5 250.2 MHz	dBm/Hz (E.I.R.P.)	-38.93	-45.11	-48.65	Pass	Equal or less than 3 μW/Hz				
			μW/Hz (E.I.R.P.)	0.128	0.031	0.014						
			MHz	5 149.94	5 145.02	5 142.52						
		5 250.2 ~ 5 251MHz	dBm/Hz	-47.40	-43.78	-17.77	Pass	Equal or less than 0.2 × 10 ⁻¹⁶ W/Hz (4475 mW/Hz) Δ limit 0.430 887 mW/Hz F1 limit : 0.142 680 mW/Hz F2 limit : 0.358 396 mW/Hz				
			mW/Hz	0.000 018	0.000 042	0.016 711						
			dBm/Hz (E.I.R.P.)	-44.62	-41.00	-14.99						
		5 251 ~ 5 260MHz	mW/Hz (E.I.R.P.)	0.000 035	0.000 079	0.031 696	Pass	Equal or less than 0.2 × 10 ⁻¹⁶ W/Hz (4475 mW/Hz) Δ limit 0.126 191 mW/Hz F1 limit : 0.020 400 mW/Hz F2 limit : 0.021 430 mW/Hz				
			MHz	5 250.18	5 250.03	5 250.08						
			dBm/Hz	-49.33	-44.18	-20.67						
		5 260 ~ 5 266.7MHz	mW/Hz (E.I.R.P.)	0.000 012	0.000 038	0.008 570	Pass	Equal or less than 0.2 × 10 ⁻¹⁶ W/Hz (4475 mW/Hz) Δ limit 0.083 170 mW/Hz F1 limit : 0.003 476 mW/Hz F2 limit : 0.003 144 mW/Hz				
			dBm/Hz	-46.55	-41.40	-17.89						
			μW/Hz (E.I.R.P.)	0.000 022	0.000 072	0.016 255						
		5 266.7 ~ 5 365 MHz	MHz	5 250.97	5 250.21	5 250.52	Pass	Equal or less than 0.5 μW/Hz				
			dBm/Hz	-48.99	-45.57	-24.35						
			mW/Hz	0.000 013	0.000 028	0.003 673						
		More than 5 365 MHz	dBm/Hz (E.I.R.P.)	-46.21	-42.79	-21.57	Pass	Equal or less than 0.5 μW/Hz				
			mW/Hz (E.I.R.P.)	0.000 024	0.000 053	0.006 966						
			MHz	5 259.55	5 255.10	5 251.09						
		TX Spurious Emission	802.11n HT20	Less than 5 142 MHz	dBm/Hz	-47.34	-47.76	-48.28	Pass	Equal or less than 0.5 μW/Hz		
					mW/Hz	0.000 018	0.000 017	0.000 015				
					dBm/Hz (E.I.R.P.)	-44.56	-44.98	-45.50				
				5 142 ~ 5 150 MHz	μW/Hz (E.I.R.P.)	0.000 035	0.000 032	0.000 028	Pass	Equal or less than 0.5 μW/Hz		
					MHz	5 260.51	5 260.03	5 261.77				
					dBm/Hz	-48.52	-47.98	-47.48				
				5 250 ~ 5 250.2 MHz	μW/Hz	0.014	0.016	0.018	Pass	Equal or less than 0.5 μW/Hz		
					dBm/Hz (E.I.R.P.)	-45.74	-45.20	-44.70				
					μW/Hz (E.I.R.P.)	0.027	0.030	0.034				
				5 250.2 ~ 5 251MHz	MHz	5292.48	5297.78	5 303.48	Pass	Equal or less than 0.5 μW/Hz		
					dBm/Hz	-46.99	-45.36	-47.48				
					μW/Hz	0.020	0.029	0.018				
				5 251 ~ 5 260MHz	dBm/Hz (E.I.R.P.)	-44.21	-42.58	-44.70	Pass	Equal or less than 0.5 μW/Hz		
					μW/Hz (E.I.R.P.)	0.038	0.055	0.034				
					MHz	15 661.89	15 703.11	15 723.73				
				TX Spurious Emission	802.11n HT20	Frequency	5 180	5 220	5 240			
						Less than 5 142 MHz	dBm/Hz	-49.28	-49.59	-50.49	Pass	Equal or less than 0.5 μW/Hz
							μW/Hz	0.012	0.011	0.009		
							dBm/Hz (E.I.R.P.)	-46.50	-46.81	-47.71	Pass	
						5 142 ~ 5 150 MHz	μW/Hz (E.I.R.P.)	0.022	0.021	0.017		
							MHz	5 129.23	5 052.63	4 970.92	Pass	Equal or less than 3 μW/Hz
							dBm/Hz	-47.97	-51.14	-51.57		
						μW/Hz	0.016	0.008	0.007			
5 250 ~ 5 250.2 MHz	dBm/Hz (E.I.R.P.)					-45.19	-48.36	-48.79	Pass	Equal or less than 3 μW/Hz		
	μW/Hz (E.I.R.P.)					0.030	0.015	0.013				
	MHz					5 149.07	5 143.43	5 149.88				
5 250.2 ~ 5 251MHz	dBm/Hz					-49.25	-44.98	-14.53	Pass	Equal or less than 0.2 × 10 ⁻¹⁶ W/Hz (4475 mW/Hz) Δ limit 0.430 887 mW/Hz F1 limit : 0.126 191 mW/Hz F2 limit : 0.263 651 mW/Hz		
	mW/Hz					0.000 012	0.000 032	0.035 237				
	dBm/Hz (E.I.R.P.)					-46.47	-42.20	-11.75				
5 251 ~ 5 260MHz	mW/Hz (E.I.R.P.)					0.000 023	0.000 060	0.066 834	Pass	Equal or less than 0.2 × 10 ⁻¹⁶ W/Hz (4475 mW/Hz) Δ limit 0.126 191 mW/Hz F1 limit : 0.035 566 mW/Hz F2 limit : 0.074 307 mW/Hz		
	MHz					5 250.20	5 250.08	5 250.08				
	dBm/Hz					-49.48	-45.29	-16.75				
5 260 ~ 5 266.7MHz	mW/Hz					0.000 011	0.000 030	0.021 135	Pass	Equal or less than 0.2 × 10 ⁻¹⁶ W/Hz (4475 mW/Hz) Δ limit 0.020 400 mW/Hz F1 limit : 0.003 882 mW/Hz F2 limit : 0.012 542 mW/Hz		
	dBm/Hz (E.I.R.P.)					-46.70	-42.51	-13.97				
	μW/Hz (E.I.R.P.)					0.000 021	0.000 056	0.040 087				
5 266.7 ~ 5 365 MHz	MHz					5 250.75	5 250.43	5 250.28	Pass	Equal or less than 0.5 μW/Hz		
	dBm/Hz					-49.44	-48.57	-24.48				
	mW/Hz					0.000 011	0.000 014	0.003 565				
5 365 ~ 5 365 MHz	dBm/Hz (E.I.R.P.)					-46.66	-45.79	-21.70	Pass	Equal or less than 0.5 μW/Hz		
	mW/Hz (E.I.R.P.)					0.000 022	0.000 026	0.006 761				
	MHz					5 259.01	5 253.28	5 251.36				
5 365 ~ 5 365 MHz	dBm/Hz					-48.70	-48.91	-48.32	Pass	Equal or less than 0.5 μW/Hz		
	mW/Hz					0.000 013	0.000 013	0.000 015				
	dBm/Hz (E.I.R.P.)					-45.92	-46.13	-45.54				
5 365 ~ 5 365 MHz	μW/Hz (E.I.R.P.)					0.000 026	0.000 024	0.000 028	Pass	Equal or less than 0.5 μW/Hz		
	MHz					5 261.39	5 262.20	5 262.33				
	dBm/Hz					-47.74	-48.52	-48.30				
5 365 ~ 5 365 MHz	μW/Hz					0.017	0.014	0.015	Pass	Equal or less than 0.5 μW/Hz		
	dBm/Hz (E.I.R.P.)					-44.96	-45.74	-45.52				
	μW/Hz (E.I.R.P.)	0.032	0.027			0.028						
More than 5 365 MHz	MHz	5309.37	5280.69			5 272.84	Pass	Equal or less than 0.5 μW/Hz				
	dBm/Hz	-47.41	-47.86			-46.83						
	μW/Hz	0.018	0.016			0.021						
More than 5 365 MHz	dBm/Hz (E.I.R.P.)	-44.63	-45.08			-44.05	Pass	Equal or less than 0.5 μW/Hz				
	μW/Hz (E.I.R.P.)	0.034	0.031			0.039						
	MHz	15 682.50	5 952.51			15 703.11						



			Normal Voltage				Pass or Fail	Limit												
			DC 12.0 V																	
Test item	Test Mode	Unit	Result																	
TX Spurious Emission	Less than 5 141.6 MHz	Frequency	5 190		5 230															
			dBm/Hz	-49.62		-49.87	Pass	Equal or less than 0.5 µV/Hz												
			µW/Hz	0.011		0.010														
			dBm/Hz (E.J.R.P.)	-46.84		-47.09														
			µW/Hz (E.J.R.P.)	0.021		0.020	Pass													
			MHz	4 148.39		4 899.04		Equal or less than 3 µV/Hz												
			dBm/Hz	-49.49		-51.11														
			µW/Hz	0.011		0.008														
			dBm/Hz (E.J.R.P.)	-46.71		-48.33	Pass													
			µW/Hz (E.J.R.P.)	0.021		0.015		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.100 000 mV/Hz ~ 0.010 000 mV/Hz F1 limit : 0.018 621 mV/Hz F2 limit : - mV/Hz F3 limit : 0.031 623 mV/Hz												
			MHz	5 142.90		5 142.70														
			dBm/Hz	-50.81		-22.94														
			mW/Hz	0.000 008		0.005 082	Pass													
			5 250 ~ 5 251 MHz	802.11n, HT40	dBm/Hz	-48.03		-20.16		Equal or less than 0.5 µV/Hz										
			µW/Hz		0.000 016		0.009 638													
			dBm/Hz (E.J.R.P.)		-46.51		-25.38	Pass												
			µW/Hz (E.J.R.P.)		0.000 022		0.002 897													
			MHz		5 250.73		5 250.50		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.010 000 mV/Hz ~ 0.001 585 mV/Hz F1 limit : 0.002 101 mV/Hz F2 limit : - mV/Hz											
			dBm/Hz		-49.29		-28.16													
			µW/Hz		0.000 012		0.001 528													
			dBm/Hz (E.J.R.P.)		-46.51		-25.38	Pass												
			µW/Hz (E.J.R.P.)		0.000 022		0.002 897		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.001 585 mV/Hz ~ 0.000 497 mV/Hz F1 limit : 0.000 678 mV/Hz F2 limit : - mV/Hz											
			MHz		5 267.09		5 251.16													
			dBm/Hz		-50.31		-48.33													
			mW/Hz		0.000 009		0.000 015	Pass												
			5 270 ~ 5 278.4 MHz		802.11n, HT40	dBm/Hz	-47.53		-45.55		Equal or less than 0.5 µV/Hz									
			µW/Hz			0.000 018		0.000 028												
			dBm/Hz (E.J.R.P.)			-45.06		-43.89	Pass											
			µW/Hz (E.J.R.P.)			0.031		0.041												
			MHz			5 276.15		5 270.59		Equal or less than 0.5 µV/Hz										
			dBm/Hz			-50.13		-50.35												
			µW/Hz			0.010		0.009												
			dBm/Hz (E.J.R.P.)			-47.35		-47.57	Pass											
			µW/Hz (E.J.R.P.)			0.018		0.017		Equal or less than 0.5 µV/Hz										
			MHz			5 299.48		5 282.47												
			dBm/Hz			-47.84		-46.67												
			µW/Hz			0.016		0.022												
			5 278.4 ~ 5 400 MHz			802.11n, HT40	dBm/Hz	-45.06		-43.89		Equal or less than 0.5 µV/Hz								
			µW/Hz				0.031		0.041											
			dBm/Hz (E.J.R.P.)				0.031		0.041	Pass										
			MHz				15 679.42		15 700.00											
			TX Spurious Emission				Less than 5 142 MHz	Frequency	5 180		5 220		5 240							
									dBm/Hz	-49.07		-48.92	-49.79	Pass	Equal or less than 0.5 µV/Hz					
									µW/Hz	0.012		0.013	0.010							
									dBm/Hz (E.J.R.P.)	-46.29		-46.14	-47.01							
									µW/Hz (E.J.R.P.)	0.023		0.024	0.020	Pass						
									MHz	5 124.13		4 388.73	4 327.45		Equal or less than 3 µV/Hz					
									dBm/Hz	-44.89		-50.67	-51.20							
									µW/Hz	0.032		0.009	0.008							
									dBm/Hz (E.J.R.P.)	-42.11		-47.89	-48.42	Pass						
									µW/Hz (E.J.R.P.)	0.062		0.016	0.014		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.430 087 mV/Hz ~ 0.126 191 mV/Hz F1 limit : 0.134 183 mV/Hz F2 limit : 0.263 651 mV/Hz					
									MHz	5 149.94		5 143.34	5 142.56							
									dBm/Hz	-48.84		-41.83	-15.09							
									mW/Hz	0.000 013		0.000 066	0.030 974	Pass						
									5 250 ~ 5 250.2 MHz	802.11ac, VHT20	dBm/Hz	-46.06		-39.05	-12.31		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.126 191 mV/Hz ~ 0.020 000 mV/Hz F1 limit : 0.031 698 mV/Hz F2 limit : 0.020 943 mV/Hz			
									µW/Hz		0.000 025		0.000 124	0.058 749						
									dBm/Hz (E.J.R.P.)		0.000 025		0.000 124	0.058 749						
									MHz		5 250.19		5 250.08	5 250.14						
									5 250.2 ~ 5 251 MHz		802.11ac, VHT20	dBm/Hz	-49.89		-43.49	-15.93		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.126 191 mV/Hz ~ 0.020 000 mV/Hz F1 limit : 0.031 698 mV/Hz F2 limit : 0.020 943 mV/Hz		
									µW/Hz			0.000 010		0.000 045	0.025 527					
									dBm/Hz (E.J.R.P.)			-47.11		-40.71	-13.15	Pass				
									µW/Hz (E.J.R.P.)			0.000 019		0.000 085	0.048 417					
									MHz			5 250.80		5 250.58	5 250.22		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.126 191 mV/Hz ~ 0.020 000 mV/Hz F1 limit : 0.031 698 mV/Hz F2 limit : 0.020 943 mV/Hz			
									dBm/Hz			-47.37		-42.21	-24.42					
									mW/Hz			0.000 018		0.000 060	0.003 614					
									dBm/Hz (E.J.R.P.)			-44.59		-39.43	-21.64	Pass				
									5 251 ~ 5 260 MHz			802.11ac, VHT20	µW/Hz	-44.59		-39.43	-21.64		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.003 170 mV/Hz ~ 0.001 795 mV/Hz F1 limit : 0.011 795 mV/Hz F2 limit : 0.016 635 mV/Hz	
									mW/Hz				0.000 035		0.000 114	0.006 855				
									dBm/Hz				0.000 035		0.000 114	0.006 855				
									MHz				5 253.58		5 250.98	5 251.10				
									5 260 ~ 5 266.7 MHz				802.11ac, VHT20	dBm/Hz	-48.46		-46.18	-46.56		Equal or less than 0.2 × 10 ⁻⁴ (20-log10) mV/m Δ limit 0.003 170 mV/Hz ~ 0.000 498 mV/Hz F1 limit : 0.001 819 mV/Hz F2 limit : 0.002 451 mV/Hz
									µW/Hz					0.000 014		0.000 024	0.000 022			
dBm/Hz (E.J.R.P.)	-45.68								-43.40					-43.78	Pass					
mW/Hz	0.000 027								0.000 046					0.000 042						
MHz	5 262.01								5 260.93					5 260.81		Equal or less than 0.5 µV/Hz				
dBm/Hz	-47.17								-47.87					-48.15						
µW/Hz	0.019								0.016					0.015						
dBm/Hz (E.J.R.P.)	-44.39								-45.09					-45.37	Pass					
5 266.7 ~ 5 365 MHz	802.11ac, VHT20	µW/Hz (E.J.R.P.)							0.036						0.031	0.029		Equal or less than 0.5 µV/Hz		
MHz		5 278.34												5 311.73	5 363.87					
dBm/Hz		-46.93												-46.21	-47.83					
µW/Hz		0.020												0.024	0.016					
5 365 ~ 5 365 MHz		802.11ac, VHT20							dBm/Hz					-44.15		-43.43	-45.05		Equal or less than 0.5 µV/Hz	
µW/Hz									0.038						0.045	0.031				
dBm/Hz (E.J.R.P.)									0.038						0.045	0.031				
MHz				15 661.89										15 682.50	15 689.44					



			Normal Voltage				Pass or Fail	Limit
			DC 12.0 V					
Test item	Test Mode	Unit	Result					
Frequency			5 190		5 230			
TX Spurious Emission	Less than 5 141.6 MHz	802.11ac, VHT40	dBm/Hz	-50.49		-50.06	Pass	Equal or less than 0.5 μW/Hz
			μW/Hz	0.009		0.010		
			dBm/Hz (E.J.R.P.)	-47.71		-47.28		
			μW/Hz (E.J.R.P.)	0.017		0.019	Pass	
			MHz	4 490.52		4 950.11		
			dBm/Hz	-50.30		-51.49		
			μW/Hz	0.009		0.007		
			dBm/Hz (E.J.R.P.)	-47.52		-48.71	Pass	
			μW/Hz (E.J.R.P.)	0.018		0.013		
			MHz	5 149.66		5 147.10		
			dBm/Hz	-50.17		-26.01		
			mW/Hz	0.000 010		0.002 506		
			dBm/Hz (E.J.R.P.)	-47.39		-23.23	Pass	
			mW/Hz (E.J.R.P.)	0.000 018		0.004 753		
			MHz	5 250.80		5 250.69		
			dBm/Hz	-49.08		-27.82		
			mW/Hz	0.000 012		0.001 652		
			dBm/Hz (E.J.R.P.)	-46.30		-25.04	Pass	
			mW/Hz (E.J.R.P.)	0.000 023		0.003 133		
			MHz	5 252.60		5 251.07		
			dBm/Hz	-50.94		-48.68		
			mW/Hz	0.000 008		0.000 014		
			dBm/Hz (E.J.R.P.)	-48.16		-45.90	Pass	
			mW/Hz (E.J.R.P.)	0.000 015		0.000 026		
			MHz	5 274.70		5 270.12		
			dBm/Hz	-49.80		-50.44		
			μW/Hz	0.010		0.009		
			dBm/Hz (E.J.R.P.)	-47.02		-47.66	Pass	
			μW/Hz (E.J.R.P.)	0.020		0.017		
			MHz	5 346.00		5 351.47		
			dBm/Hz	-47.29		-47.19		
			μW/Hz	0.019		0.019		
			dBm/Hz (E.J.R.P.)	-44.51		-44.41	Pass	
			μW/Hz (E.J.R.P.)	0.035		0.036		
			MHz	15 700.00		6 089.41		
Frequency			5 210					
TX Spurious Emission	Less than 5 123.2 MHz	802.11ac, VHT80	dBm/Hz	-50.37			Pass	Equal or less than 0.5 μW/Hz
			μW/Hz	0.009				
			dBm/Hz (E.J.R.P.)	-47.59				
			μW/Hz (E.J.R.P.)	0.017			Pass	
			MHz	5 120.66				
			dBm/Hz	-50.05				
			μW/Hz	0.010				
			dBm/Hz (E.J.R.P.)	-47.27			Pass	
			μW/Hz (E.J.R.P.)	0.019				
			MHz	5 124.79				
			dBm/Hz	-29.04				
			mW/Hz	0.001 247				
			dBm/Hz (E.J.R.P.)	-26.26			Pass	
			mW/Hz (E.J.R.P.)	0.002 366				
			MHz	5 250.53				
			dBm/Hz	-31.93				
			mW/Hz	0.000 641				
			dBm/Hz (E.J.R.P.)	-29.15			Pass	
			mW/Hz (E.J.R.P.)	0.001 216				
			MHz	5 251.02				
			dBm/Hz	-47.08				
			mW/Hz	0.000 020				
			dBm/Hz (E.J.R.P.)	-44.30			Pass	
			mW/Hz (E.J.R.P.)	0.000 037				
			MHz	5 295.04				
			dBm/Hz	-47.09				
			μW/Hz	0.020				
			dBm/Hz (E.J.R.P.)	-44.31			Pass	
			μW/Hz (E.J.R.P.)	0.037				
			MHz	5 305.58				
			dBm/Hz	-46.80				
			μW/Hz	0.021				
			dBm/Hz (E.J.R.P.)	-44.02			Pass	
			μW/Hz (E.J.R.P.)	0.040				
			MHz	15 699.90				



			Low Voltage			Pass or Fail	Limit					
			DC 10.8 V									
Test item	Test Mode	Unit	Result									
TX Spurious Emission	802.11a	Less than 5 142 MHz	dBm/Hz	5 180	5 220	5 240	Pass	Equal or less than 0.5 µW/Hz				
			µW/Hz	-48.60	-49.22	-49.84						
			dBm/Hz (E.I.R.P.)	-45.82	-46.44	-47.06	Pass					
		5 142 ~ 5 150 MHz	µW/Hz (E.I.R.P.)	0.026	0.023	0.020	Pass	Equal or less than 3 µW/Hz				
			MHz	5 134.34	4 986.24	5 093.48						
			dBm/Hz	-42.72	-49.08	-50.88	Pass					
		5 250 ~ 5 250.2 MHz	µW/Hz	0.053	0.012	0.008		Equal or less than 0.337 052 mW/Hz				
			dBm/Hz (E.I.R.P.)	-39.94	-46.30	-48.10	Pass					
			µW/Hz (E.I.R.P.)	0.101	0.023	0.015						
		5 250.2 ~ 5 251 MHz	MHz	5 149.20	5 145.55	5 142.49		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.430 887 mW/Hz - 0.126 191 mW/Hz F1 limit : 0.298 101 mW/Hz F2 limit : 0.337 052 mW/Hz				
			dBm/Hz	-47.41	-44.14	-17.68	Pass					
			mW/Hz	0.000 018	0.000 039	0.017 061						
		5 251 ~ 5 260 MHz	dBm/Hz (E.I.R.P.)	-44.63	-41.36	-14.90	Pass	Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz F1 limit : 0.020 466 mW/Hz F2 limit : 0.024 605 mW/Hz				
			mW/Hz	0.000 034	0.000 073	0.032 359						
			MHz	5 250.06	5 250.04	5 250.10	Pass					
		5 260 ~ 5 266.7 MHz	dBm/Hz	-47.91	-44.33	-20.14	Pass	Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz F1 limit : 0.020 466 mW/Hz F2 limit : 0.024 605 mW/Hz				
			µW/Hz	0.000 016	0.000 037	0.009 683						
			dBm/Hz (E.I.R.P.)	-45.13	-41.55	-17.36	Pass					
		5 266.7 ~ 5 365 MHz	mW/Hz	0.000 031	0.000 070	0.018 365		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.003 170 mW/Hz F1 limit : 0.015 677 mW/Hz F2 limit : 0.012 801 mW/Hz				
			dBm/Hz	-47.69	-44.98	-24.57	Pass					
			mW/Hz	0.000 017	0.000 032	0.003 491						
		More than 5 365 MHz	dBm/Hz (E.I.R.P.)	-44.91	-42.20	-21.79	Pass	Equal or less than 0.5 µW/Hz				
			mW/Hz	0.000 032	0.000 060	0.006 622						
			MHz	5 252.19	5 253.18	5 251.10	Pass					
		TX Spurious Emission	802.11n HT20	Less than 5 142 MHz	dBm/Hz	-48.23	-46.49	-48.23	Pass	Equal or less than 0.5 µW/Hz		
					mW/Hz	0.000 015	0.000 022	0.000 015				
					dBm/Hz (E.I.R.P.)	-45.45	-43.71	-45.45	Pass			
				5 142 ~ 5 150 MHz	mW/Hz	0.000 029	0.000 043	0.000 029		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.003 170 mW/Hz - 0.000 498 mW/Hz F1 limit : 0.000 564 mW/Hz F2 limit : 0.001 674 mW/Hz		
					MHz	5 266.25	5 262.31	5 260.30	Pass			
					dBm/Hz	-48.19	-47.56	-48.90				
				5 250 ~ 5 250.2 MHz	µW/Hz	0.015	0.018	0.013	Pass	Equal or less than 0.5 µW/Hz		
					dBm/Hz (E.I.R.P.)	-45.41	-44.78	-46.12				
					µW/Hz	0.029	0.033	0.024				
				5 250.2 ~ 5 251 MHz	MHz	5277.85	5268.71	5 271.36	Pass	Equal or less than 0.5 µW/Hz		
					dBm/Hz	-46.51	-47.03	-47.33				
					µW/Hz	0.022	0.020	0.018	Pass			
				5 251 ~ 5 260 MHz	dBm/Hz (E.I.R.P.)	-43.73	-44.25	-44.55	Pass	Equal or less than 0.5 µW/Hz		
					µW/Hz	0.042	0.038	0.035				
					MHz	15 682.50	15 703.11	15 682.50				
				TX Spurious Emission	802.11n HT20	Less than 5 142 MHz	Frequency	5 180	5 220	5 240	Pass	Equal or less than 0.5 µW/Hz
							dBm/Hz	-49.81	-49.88	-49.60		
							µW/Hz	0.010	0.010	0.011		
						5 142 ~ 5 150 MHz	dBm/Hz (E.I.R.P.)	-47.03	-47.10	-46.82	Pass	Equal or less than 0.5 µW/Hz
							µW/Hz (E.I.R.P.)	0.020	0.019	0.021		
							MHz	5 032.20	5 119.02	4 986.24	Pass	
						5 250 ~ 5 250.2 MHz	dBm/Hz	-47.24	-50.27	-51.37		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.430 887 mW/Hz - 0.126 191 mW/Hz F1 limit : 0.142 680 mW/Hz F2 limit : 0.347 950 mW/Hz
							µW/Hz	0.019	0.009	0.007		
							dBm/Hz (E.I.R.P.)	-44.46	-47.49	-48.59	Pass	
5 250.2 ~ 5 251 MHz	µW/Hz					0.036	0.018	0.014		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz F1 limit : 0.042 759 mW/Hz F2 limit : 0.087 303 mW/Hz		
	MHz					5 149.76	5 144.79	5 142.14	Pass			
	dBm/Hz					-49.55	-45.33	-15.13				
5 251 ~ 5 260 MHz	mW/Hz					0.000 011	0.000 029	0.030 690		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.003 170 mW/Hz F1 limit : 0.007 534 mW/Hz F2 limit : 0.016 704 mW/Hz		
	dBm/Hz (E.I.R.P.)					-46.77	-42.55	-12.35	Pass			
	mW/Hz					0.000 021	0.000 056	0.058 210				
5 260 ~ 5 266.7 MHz	dBm/Hz					5 250.18	5 250.09	5 250.13	Pass	Equal or less than 0.5 µW/Hz		
	µW/Hz					-49.66	-45.50	-16.65				
	mW/Hz					0.000 011	0.000 028	0.021 627				
5 266.7 ~ 5 365 MHz	dBm/Hz (E.I.R.P.)					-46.88	-42.72	-13.87	Pass	Equal or less than 0.5 µW/Hz		
	mW/Hz					0.000 021	0.000 053	0.041 020				
	MHz					5 250.67	5 250.36	5 250.31	Pass			
More than 5 365 MHz	dBm/Hz					-49.93	-42.95	-23.70	Pass	Equal or less than 0.5 µW/Hz		
	mW/Hz					0.000 010	0.000 051	0.004 266				
	dBm/Hz (E.I.R.P.)					-47.15	-40.17	-20.92	Pass			
5 260 ~ 5 266.7 MHz	mW/Hz					0.000 019	0.000 096	0.008 091		Equal or less than 0.5 µW/Hz		
	MHz					5 255.77	5 251.88	5 251.17	Pass			
	dBm/Hz					-48.82	-49.05	-45.97				
5 266.7 ~ 5 365 MHz	mW/Hz					0.000 013	0.000 012	0.000 025	Pass	Equal or less than 0.5 µW/Hz		
	dBm/Hz (E.I.R.P.)					-46.04	-46.27	-43.19				
	µW/Hz					0.000 025	0.000 024	0.000 048				
More than 5 365 MHz	MHz					5 265.90	5 265.04	5 260.62	Pass	Equal or less than 0.5 µW/Hz		
	dBm/Hz					-47.77	-47.67	-48.35				
	µW/Hz					0.017	0.017	0.015				
5 266.7 ~ 5 365 MHz	dBm/Hz (E.I.R.P.)	-44.99	-44.89			-45.57	Pass	Equal or less than 0.5 µW/Hz				
	µW/Hz	0.032	0.032			0.028						
	MHz	5278.63	5 284.43			5 288.22	Pass					
More than 5 365 MHz	dBm/Hz	-46.61	-46.86			-47.20	Pass	Equal or less than 0.5 µW/Hz				
	µW/Hz	0.022	0.021			0.019						
	dBm/Hz (E.I.R.P.)	-43.83	-44.08			-44.42						
More than 5 365 MHz	µW/Hz	0.041	0.039			0.036		Equal or less than 0.5 µW/Hz				
	dBm/Hz (E.I.R.P.)											
	MHz	15 682.50	15 703.11			15 703.11						



			Low Voltage			Pass or Fail	Limit				
			DC 10.8 V								
Test item	Test Mode	Unit	Result								
TX Spurious Emission	TX Spurious Emission	Frequency		5 190		5 230					
			dBm/Hz	-50.30		-49.96	Pass	Equal or less than 0.5 µV/Hz			
			µW/Hz	0.009		0.010					
			dBm/Hz (E.J.R.P.)	-47.52		-47.18					
			µW/Hz (E.J.R.P.)	0.018		0.019	Pass				
			MHz	4 480.31		4 556.91					
			dBm/Hz	-47.84		-51.54					
			µW/Hz	0.016		0.007					
			dBm/Hz (E.J.R.P.)	-45.06		-48.76	Pass				
			µW/Hz (E.J.R.P.)	0.031		0.013					
			MHz	5 149.62		5 147.23					
			dBm/Hz	-50.36		-21.99					
			mW/Hz	0.000 009		0.006 324					
			5 250 ~ 5 251 MHz		dBm/Hz (E.J.R.P.)	-47.58		-19.21	Pass	Equal or less than 3 µV/Hz	
				mW/Hz (E.J.R.P.)	0.000 017		0.011 995				
				MHz	5 250.30		5 250.30				
				dBm/Hz	-50.86		-27.21				
				mW/Hz	0.000 008		0.001 901				
				dBm/Hz (E.J.R.P.)	-48.08		-24.43	Pass			
				mW/Hz (E.J.R.P.)	0.000 016		0.003 606				
				MHz	5 252.57		5 251.37				
				dBm/Hz	-49.08		-47.51				
				mW/Hz	0.000 012		0.000 018				
				dBm/Hz (E.J.R.P.)	-46.30		-44.73	Pass			
				mW/Hz (E.J.R.P.)	0.000 023		0.000 034				
				MHz	5 272.71		5 271.48				
				dBm/Hz	-51.01		-50.73				
				µW/Hz	0.008		0.008				
				dBm/Hz (E.J.R.P.)	-48.23		-47.95	Pass			
				µW/Hz (E.J.R.P.)	0.015		0.016				
				MHz	5 312.11		5 331.79				
				dBm/Hz	-47.08		-46.65				
				µW/Hz	0.020		0.022				
				dBm/Hz (E.J.R.P.)	-44.30		-43.87	Pass			
				µW/Hz (E.J.R.P.)	0.037		0.041				
				MHz	15 720.58		6 892.01				
			TX Spurious Emission	TX Spurious Emission	Frequency		5 180		5 220		5 240
						dBm/Hz	-49.33		-50.71	Pass	Equal or less than 0.5 µV/Hz
						µW/Hz	0.012		0.008		
						dBm/Hz (E.J.R.P.)	-46.55		-47.93		
µW/Hz (E.J.R.P.)	0.022					0.016	Pass				
MHz	4 342.77					5 093.48					
dBm/Hz	-46.94					-49.63					
µW/Hz	0.020					0.011					
dBm/Hz (E.J.R.P.)	-44.16					-46.85	Pass				
µW/Hz (E.J.R.P.)	0.038					0.021					
MHz	5 148.85					5 146.97					
dBm/Hz	-49.32					-42.27					
mW/Hz	0.000 012					0.000 059					
5 250 ~ 5 250.2 MHz		dBm/Hz (E.J.R.P.)				-46.54		-39.49	Pass	Equal or less than 3 µV/Hz	
	mW/Hz (E.J.R.P.)	0.000 022					0.000 112				
	MHz	5 250.04					5 250.07				
	dBm/Hz	-49.51					-40.86				
	mW/Hz	0.000 011					0.000 082				
	dBm/Hz (E.J.R.P.)	-46.73					-38.08	Pass			
	µW/Hz (E.J.R.P.)	0.000 021					0.000 156				
	MHz	5 250.72					5 250.51				
	dBm/Hz	-48.67					-44.42				
	mW/Hz	0.000 014					0.000 036				
	dBm/Hz (E.J.R.P.)	-45.89					-41.64	Pass			
	µW/Hz (E.J.R.P.)	0.000 026					0.000 069				
	MHz	5 259.87					5 252.17				
	dBm/Hz	-48.16					-48.10				
	mW/Hz	0.000 015					0.000 015				
	dBm/Hz (E.J.R.P.)	-45.38					-45.32	Pass			
	µW/Hz (E.J.R.P.)	0.000 029					0.000 029				
	MHz	5 263.12					5 265.91				
	dBm/Hz	-47.20					-47.19				
	µW/Hz	0.019					0.019				
	dBm/Hz (E.J.R.P.)	-44.42					-44.41	Pass			
	µW/Hz (E.J.R.P.)	0.036					0.036				
	MHz	5 331.66					5 267.63				
	dBm/Hz	-47.50					-46.51				
	µW/Hz	0.018					0.022				
	dBm/Hz (E.J.R.P.)	-44.72					-43.73	Pass			
	µW/Hz (E.J.R.P.)	0.034					0.042				
	MHz	5 375.31		15 682.50							



			Low Voltage					Pass or Fail	Limit
			DC 10.8 V						
Test item	Test Mode	Unit	Result						
TX Spurious Emission	TX Spurious Emission	Frequency	5 190		5 230		Pass	Equal or less than 0.5 µW/Hz	
			dBm/Hz	-49.95					-49.54
			µW/Hz	0.010			0.011		
			dBm/Hz (E.J.R.P.)	-47.17			-46.76		
			µW/Hz (E.J.R.P.)	0.019			0.021		
			MHz	5 036.92			5 001.17		
			dBm/Hz	-50.15			-51.37		
			µW/Hz	0.010			0.007		
			dBm/Hz (E.J.R.P.)	-47.37			-48.59		
			µW/Hz (E.J.R.P.)	0.018			0.014		
			MHz	5 144.94			5 144.51		
			dBm/Hz	-50.45			-26.35		
			mW/Hz	0.000 009			0.002 317		
			dBm/Hz (E.J.R.P.)	-47.67			-23.57		
			mW/Hz (E.J.R.P.)	0.000 017			0.004 395		
			MHz	5 250.16			5 250.72		
			dBm/Hz	-50.65			-28.46		
			mW/Hz	0.000 009			0.001 426		
			dBm/Hz (E.J.R.P.)	-47.87			-25.68		
			mW/Hz (E.J.R.P.)	0.000 016			0.002 704		
			MHz	5 268.40			5 251.41		
			dBm/Hz	-50.22			-48.94		
			mW/Hz	0.000 010			0.000 013		
			dBm/Hz (E.J.R.P.)	-47.44			-46.16		
			mW/Hz (E.J.R.P.)	0.000 018			0.000 024		
			MHz	5 277.98			5 270.68		
			dBm/Hz	-51.41			-49.99		
			µW/Hz	0.007			0.010		
			dBm/Hz (E.J.R.P.)	-48.63			-47.21		
			µW/Hz (E.J.R.P.)	0.014			0.019		
			MHz	5 395.20			5 389.37		
			dBm/Hz	-47.37			-46.10		
			µW/Hz	0.018			0.025		
			dBm/Hz (E.J.R.P.)	-44.59			-43.32		
			µW/Hz	0.035			0.047		
			MHz	15 658.84			15 700.00		
			TX Spurious Emission	TX Spurious Emission	Frequency	5 210		Pass	Equal or less than 0.5 µW/Hz
						dBm/Hz	-49.97		
						µW/Hz	0.010		
						dBm/Hz (E.J.R.P.)	-47.19		
						µW/Hz (E.J.R.P.)	0.019		
						MHz	4 988.37		
						dBm/Hz	-49.96		
						µW/Hz	0.010		
						dBm/Hz (E.J.R.P.)	-47.18		
						µW/Hz (E.J.R.P.)	0.019		
						MHz	5 138.02		
						dBm/Hz	-28.91		
						mW/Hz	0.001 285		
						dBm/Hz (E.J.R.P.)	-26.13		
						mW/Hz (E.J.R.P.)	0.002 438		
						MHz	5 250.49		
						dBm/Hz	-33.41		
						mW/Hz	0.000 456		
						dBm/Hz (E.J.R.P.)	-30.63		
						mW/Hz (E.J.R.P.)	0.000 865		
						MHz	5 251.10		
						dBm/Hz	-46.67		
						mW/Hz	0.000 022		
						dBm/Hz (E.J.R.P.)	-43.89		
						mW/Hz (E.J.R.P.)	0.000 041		
						MHz	5 291.74		
						dBm/Hz	-49.66		
						µW/Hz	0.011		
						dBm/Hz (E.J.R.P.)	-46.88		
						µW/Hz (E.J.R.P.)	0.021		
						MHz	5 299.90		
						dBm/Hz	-47.27		
						µW/Hz	0.019		
						dBm/Hz (E.J.R.P.)	-44.49		
µW/Hz (E.J.R.P.)	0.036								
MHz	15 678.50								



			High Voltage			Pass or Fail	Limit	
			DC 26.4 V					
Test item	Test Mode	Unit	Result					
		Frequency	5 180	5 220	5 240			
TX Spurious Emission	802.11a	Less than 5 142 MHz	dBm/Hz	-49.40	-47.93	-50.38	Pass	Equal or less than 0.5 μW/Hz
			μW/Hz	0.011	0.016	0.009		
			dBm/Hz (E.I.R.P.)	-46.62	-45.15	-47.60	Pass	
		5 142 ~ 5 150 MHz	μW/Hz (E.I.R.P.)	0.022	0.031	0.017		Equal or less than 3 μW/Hz
			MHz	5 119.02	4 970.92	4 838.14		
			dBm/Hz	-42.52	-42.76	-51.37	Pass	
		5 250 ~ 5 250.2 MHz	μW/Hz	0.056	0.017	0.007		Equal or less than 0.126 191 mW/Hz
			dBm/Hz (E.I.R.P.)	-39.74	-44.98	-48.59	Pass	
			μW/Hz (E.I.R.P.)	0.106	0.032	0.014		
		5 250.2 ~ 5 251 MHz	MHz	5 149.81	5 143.32	5 147.75		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.430 887 mW/Hz - 0.126 191 mW/Hz
			dBm/Hz	-48.42	-44.49	-18.50		
			mW/Hz	0.000 014	0.000 036	0.014 125	Pass	
		5 251 ~ 5 260 MHz	dBm/Hz (E.I.R.P.)	-45.64	-41.71	-15.72		F1 limit : 0.161 323 mW/Hz F2 limit : 0.126 191 mW/Hz
			mW/Hz (E.I.R.P.)	0.000 027	0.000 067	0.026 792		
			MHz	5 250.16	5 250.20	5 250.19		
		5 260 ~ 5 266.7 MHz	dBm/Hz	-48.36	-43.32	-19.70		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz
			μW/Hz	0.000 015	0.000 047	0.010 715	Pass	
			dBm/Hz (E.I.R.P.)	-45.58	-40.54	-16.92		
		5 266.7 ~ 5 365 MHz	mW/Hz (E.I.R.P.)	0.000 028	0.000 088	0.020 324		F1 limit : 0.033 192 mW/Hz F2 limit : 0.129 319 mW/Hz
			MHz	5 250.78	5 250.21	5 250.38		
			dBm/Hz	-47.99	-46.24	-25.83	Pass	
		More than 5 365 MHz	mW/Hz	0.000 016	0.000 024	0.002 612		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.020 000 mW/Hz - 0.003 170 mW/Hz
			dBm/Hz (E.I.R.P.)	-45.21	-43.46	-23.05	Pass	
			mW/Hz (E.I.R.P.)	0.000 030	0.000 045	0.004 955		
		5 260 ~ 5 266.7 MHz	MHz	5 259.05	5 252.69	5 251.04		F1 limit : 0.003 850 mW/Hz F2 limit : 0.014 152 mW/Hz
			dBm/Hz	-48.13	-46.69	-47.62		
			mW/Hz	0.000 015	0.000 021	0.000 017	Pass	
		5 266.7 ~ 5 365 MHz	dBm/Hz (E.I.R.P.)	-45.35	-43.91	-44.84		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.003 170 mW/Hz - 0.000 498 mW/Hz
			mW/Hz (E.I.R.P.)	0.000 029	0.000 041	0.000 033	Pass	
			MHz	5 260.32	5 260.32	5 260.74		
		More than 5 365 MHz	dBm/Hz	-48.16	-47.92	-48.53		F1 limit : 0.002 902 mW/Hz F2 limit : 0.002 902 mW/Hz
			μW/Hz	0.015	0.016	0.014	Pass	
			dBm/Hz (E.I.R.P.)	-45.38	-45.14	-45.75		
		5 266.7 ~ 5 365 MHz	μW/Hz (E.I.R.P.)	0.029	0.031	0.027		Equal or less than 0.5 μW/Hz
			MHz	5346.19	5267.24	5 278.44		
			dBm/Hz	-45.78	-46.93	-47.03	Pass	
		More than 5 365 MHz	μW/Hz	0.026	0.020	0.020		Equal or less than 0.5 μW/Hz
			dBm/Hz (E.I.R.P.)	-43.00	-44.15	-44.25	Pass	
			μW/Hz (E.I.R.P.)	0.050	0.038	0.038		
		5 260 ~ 5 266.7 MHz	MHz	5 952.51	5 890.67	15 703.11		
Frequency	5 180		5 220	5 240				
dBm/Hz	-49.32		-49.74	-49.81	Pass			
TX Spurious Emission	802.11n HT20	Less than 5 142 MHz	μW/Hz	0.012	0.011	0.010	Pass	Equal or less than 0.5 μW/Hz
			dBm/Hz (E.I.R.P.)	-46.54	-46.96	-47.03		
			μW/Hz (E.I.R.P.)	0.022	0.020	0.020	Pass	
		5 142 ~ 5 150 MHz	MHz	5 098.59	5 119.02	5 001.56		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.430 887 mW/Hz - 0.126 191 mW/Hz
			dBm/Hz	-46.62	-50.75	-51.12		
			μW/Hz	0.022	0.008	0.008	Pass	
		5 250 ~ 5 250.2 MHz	dBm/Hz (E.I.R.P.)	-43.84	-47.97	-48.34		F1 limit : 0.171 539 mW/Hz F2 limit : 0.233 183 mW/Hz
			μW/Hz (E.I.R.P.)	0.041	0.016	0.015		
			MHz	5 147.95	5 148.97	5 143.45		
		5 250.2 ~ 5 251 MHz	dBm/Hz	-50.52	-45.41	-14.53		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz
			mW/Hz	0.000 009	0.000 029	0.035 237	Pass	
			dBm/Hz (E.I.R.P.)	-47.74	-42.63	-11.75		
		5 251 ~ 5 260 MHz	mW/Hz (E.I.R.P.)	0.000 017	0.000 055	0.066 834		F1 limit : 0.006 913 mW/Hz F2 limit : 0.016 265 mW/Hz
			MHz	5 250.15	5 250.10	5 250.07		
			dBm/Hz	-49.46	-45.96	-17.06	Pass	
		5 260 ~ 5 266.7 MHz	mW/Hz	0.000 011	0.000 025	0.019 679		Equal or less than 0.5 μW/Hz
			dBm/Hz (E.I.R.P.)	-46.68	-43.18	-14.28	Pass	
			mW/Hz (E.I.R.P.)	0.000 021	0.000 048	0.037 325		
		5 266.7 ~ 5 365 MHz	MHz	5 250.98	5 250.77	5 250.34		Equal or less than 0.2 × 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.020 000 mW/Hz - 0.003 170 mW/Hz
			dBm/Hz	-49.47	-46.44	-24.38	Pass	
			mW/Hz	0.000 011	0.000 023	0.003 648		
		5 260 ~ 5 266.7 MHz	dBm/Hz (E.I.R.P.)	-46.69	-43.66	-21.60		F1 limit : 0.001 076 mW/Hz F2 limit : 0.003 135 mW/Hz
			mW/Hz (E.I.R.P.)	0.000 021	0.000 043	0.006 918		
			MHz	5 256.19	5 252.01	5 251.15		
		5 266.7 ~ 5 365 MHz	dBm/Hz	-48.99	-48.95	-48.19	Pass	Equal or less than 0.5 μW/Hz
			mW/Hz	0.000 013	0.000 013	0.000 015		
			dBm/Hz (E.I.R.P.)	-46.21	-46.17	-45.41	Pass	
		More than 5 365 MHz	μW/Hz (E.I.R.P.)	0.000 024	0.000 024	0.000 029		Equal or less than 0.5 μW/Hz
			MHz	5 263.91	5 260.04	5 260.75		
			dBm/Hz	-47.86	-48.50	-48.98	Pass	
		5 266.7 ~ 5 365 MHz	μW/Hz	0.016	0.014	0.013		Equal or less than 0.5 μW/Hz
			dBm/Hz (E.I.R.P.)	-45.08	-45.72	-46.20	Pass	
			μW/Hz (E.I.R.P.)	0.031	0.027	0.024		
		More than 5 365 MHz	MHz	5318.070	5286.59	5 314.87		Equal or less than 0.5 μW/Hz
			dBm/Hz	-47.22	-47.04	-47.54	Pass	
			μW/Hz	0.019	0.020	0.018		
		5 266.7 ~ 5 365 MHz	dBm/Hz (E.I.R.P.)	-44.44	-44.26	-44.76	Pass	Equal or less than 0.5 μW/Hz
			μW/Hz (E.I.R.P.)	0.036	0.037	0.033		
			MHz	15 723.73	15 703.11	15 682.50		



			High Voltage			Pass or Fail	Limit	
			DC 26.4 V					
Test item	Test Mode	Unit	Result					
TX Spurious Emission	Frequency	802.11n, HT40	5 190		5 230			
			dBm/Hz	-49.56		-49.28	Pass	
			μW/Hz	0.011		0.012		
			dBm/Hz	-46.78		-46.50		Equal or less than 0.5 μW/Hz
			μW/Hz	0.021		0.022	Pass	
			MHz	4 301.58		5 077.77		
			dBm/Hz	-50.96		-51.69		
			μW/Hz	0.008		0.007		
			dBm/Hz	-48.18		-48.91	Pass	Equal or less than 3 μW/Hz
			μW/Hz	0.015		0.013		
			MHz	5 143.01		5 144.49		
			dBm/Hz	-49.80		-21.77		Equal or less than 0.2 × 10 ^{-(4-20-log(1/2))} mW/Hz Δ limit 0.100 000 mW/Hz ~ 0.010 000 mW/Hz F1 limit : 0.029 512 mW/Hz F2 limit : ~ μW/Hz
			mW/Hz	0.000 010		0.006 653		
			dBm/Hz	-47.02		-18.99	Pass	
			MHz	5 250.53		5 250.32		F3 limit : 0.047 863 mW/Hz
			dBm/Hz	-50.42		-27.09		Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.010 000 mW/Hz ~ 0.001 585 mW/Hz F1 limit : 0.006 540 mW/Hz F2 limit : ~ μW/Hz
			μW/Hz	0.000 009		0.001 954	Pass	
			dBm/Hz	-47.64		-24.31	Pass	
			MHz	5 255.38		5 251.26		F2 limit : ~ μW/Hz
			dBm/Hz	-50.21		-46.75		Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.010 000 mW/Hz ~ 0.001 585 mW/Hz F1 limit : 0.001 497 mW/Hz F2 limit : ~ μW/Hz
			mW/Hz	0.000 010		0.000 021		
			dBm/Hz	-47.43		-43.97	Pass	
			MHz	5 272.40		5 274.38		
			dBm/Hz	-50.55		-50.04		
			μW/Hz	0.009		0.010		
			dBm/Hz	-47.77		-47.26	Pass	Equal or less than 0.5 μW/Hz
			μW/Hz	0.017		0.019		
			MHz	5 284.49		5 289.64		
			dBm/Hz	-47.74		-46.46		
			μW/Hz	0.017		0.023		
			dBm/Hz	-44.96		-43.68	Pass	Equal or less than 0.5 μW/Hz
			μW/Hz	0.032		0.043		
			MHz	15 679.42		15 700.00		
TX Spurious Emission	Frequency	802.11ac, VHT20	5 180	5 220	5 240			
			dBm/Hz	-49.34	-49.20	-50.18	Pass	
			μW/Hz	0.012	0.012	0.010		
			dBm/Hz	-46.56	-46.42	-47.40		Equal or less than 0.5 μW/Hz
			μW/Hz	0.022	0.023	0.018	Pass	
			MHz	5 113.91	5 129.23	4 858.57		
			dBm/Hz	-46.99	-49.82	-51.65		
			μW/Hz	0.020	0.010	0.007		
			dBm/Hz	-44.21	-47.04	-48.87	Pass	Equal or less than 3 μW/Hz
			μW/Hz	0.038	0.020	0.013		
			MHz	5 149.92	5 148.49	5 145.54		
			dBm/Hz	-49.57	-42.28	-14.91		Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.430 087 mW/Hz F1 limit : 0.142 680 mW/Hz F2 limit : 0.247 950 mW/Hz
			mW/Hz	0.000 011	0.000 059	0.032 285	Pass	
			dBm/Hz	-46.79	-39.50	-12.13		
			mW/Hz	0.000 021	0.000 112	0.061 235		
			MHz	5 250.18	5 250.09	5 250.09		
			dBm/Hz	-50.22	-42.98	-17.07		Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.126 191 mW/Hz F1 limit : 0.020 466 mW/Hz F2 limit : 0.033 192 mW/Hz
			mW/Hz	0.000 010	0.000 050	0.019 634		
			dBm/Hz	-47.44	-40.20	-14.29	Pass	
			μW/Hz	0.000 018	0.000 095	0.037 239		
			MHz	5 250.99	5 250.78	5 250.37		
			dBm/Hz	-48.07	-43.95	-25.05		Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.126 191 mW/Hz F1 limit : 0.020 466 mW/Hz F2 limit : 0.033 192 mW/Hz
			mW/Hz	0.000 016	0.000 040	0.003 126		
			dBm/Hz	-45.29	-41.17	-22.27	Pass	
			μW/Hz	0.000 030	0.000 076	0.005 929		
			MHz	5 256.61	5 251.28	5 251.02		Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.126 191 mW/Hz F1 limit : 0.020 466 mW/Hz F2 limit : 0.033 192 mW/Hz
			dBm/Hz	-48.24	-47.95	-46.73		
			mW/Hz	0.000 015	0.000 016	0.000 021		
			dBm/Hz	-45.46	-45.17	-43.95	Pass	Equal or less than 0.2 × 10 ^{-(4-10-log(1/2))} mW/Hz Δ limit 0.126 191 mW/Hz F1 limit : 0.020 466 mW/Hz F2 limit : 0.033 192 mW/Hz
			mW/Hz	0.000 028	0.000 030	0.000 040		
			MHz	5 261.71	5 264.74	5 260.57		
			dBm/Hz	-47.59	-47.10	-49.00		
			μW/Hz	0.017	0.019	0.013		
dBm/Hz	-44.81	-44.32	-46.22	Pass	Equal or less than 0.5 μW/Hz			
μW/Hz	0.033	0.037	0.024					
MHz	5 284.82	5 287.86	5 281.97					
dBm/Hz	-46.76	-46.71	-46.90					
μW/Hz	0.021	0.021	0.020					
dBm/Hz	-43.98	-43.93	-44.12	Pass	Equal or less than 0.5 μW/Hz			
μW/Hz	0.040	0.040	0.039					
MHz	15 682.50	5 890.67	5 993.74					



			High Voltage			Pass or Fail	Limit	
			DC 26.4 V					
Test item	Test Mode	Unit	Result					
TX Spurious Emission	802.11ac VHT40	Frequency	5 190		5 230			
		Less than 5 141.6 MHz	dBm/Hz	-49.80		-50.51	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz	0.010		0.009		
			dBm/Hz (E.J.R.P.)	-47.02		-47.73		
			µW/Hz (E.J.R.P.)	0.020		0.017	Pass	
		5 141.6 ~ 5 150 MHz	MHz	5 118.62		4 337.33		Equal or less than 3 µW/Hz
			dBm/Hz	-51.23		-50.62		
			µW/Hz	0.008		0.009		
			dBm/Hz (E.J.R.P.)	-48.45		-47.84	Pass	
		5 250 ~ 5 251 MHz	µW/Hz (E.J.R.P.)	0.014		0.016		Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.100 000 mW/Hz ~ 0.010 000 mW/Hz F1 limit : 0.030 200 mW/Hz
			MHz	5 142.49		5 143.63		
			dBm/Hz	-49.88		-25.68		
			mW/Hz	0.000 010		0.002 704	Pass	
		5 251 ~ 5 270 MHz	dBm/Hz (E.J.R.P.)	-47.10		-22.90		Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.010 000 mW/Hz ~ 0.001 585 mW/Hz F1 limit : 0.003 469 mW/Hz
			MHz	5 250.52		5 250.61		
			dBm/Hz	-49.70		-27.98		
			mW/Hz (E.J.R.P.)	0.000 011		0.001 592	Pass	
		5 270 ~ 5 278.4 MHz	dBm/Hz (E.J.R.P.)	-46.92		-25.20		Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.001 585 mW/Hz ~ 0.000 497 mW/Hz F1 limit : 0.000 780 mW/Hz
			MHz	5 261.92		5 251.10		
			dBm/Hz	-49.93		-49.31		
			mW/Hz	0.000 010		0.000 012	Pass	
		5 278.4 ~ 5 400 MHz	dBm/Hz (E.J.R.P.)	-47.15		-46.53		Equal or less than 0.5 µW/Hz
			MHz	5 275.13		5 277.28		
			dBm/Hz	-50.33		-50.20		
			µW/Hz	0.009		0.010	Pass	
		More than 5 400 MHz	dBm/Hz (E.J.R.P.)	-47.55		-47.42		Equal or less than 0.5 µW/Hz
			MHz	5 285.75		5 285.26		
dBm/Hz	-47.59			-47.03				
µW/Hz	0.017			0.020	Pass			
TX Spurious Emission	802.11ac VHT80	Frequency	5 210		5 210			
		Less than 5 123.2 MHz	dBm/Hz			-50.40	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz			0.009		
			dBm/Hz			-47.62		
			µW/Hz (E.J.R.P.)			0.017	Pass	
		5 123.2 ~ 5 150 MHz	MHz		5 110.48			Equal or less than 3 µW/Hz
			dBm/Hz		-50.57			
			µW/Hz		0.009			
			dBm/Hz (E.J.R.P.)		-47.79		Pass	
		5 250 ~ 5 251 MHz	µW/Hz (E.J.R.P.)		0.017			Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.050 000 mW/Hz ~ 0.005 000 mW/Hz F1 limit : 0.016 577 mW/Hz
			MHz		5 147.76			
			dBm/Hz		-28.61			
			mW/Hz (E.J.R.P.)		0.001 377		Pass	
		5 251 ~ 5 290 MHz	dBm/Hz (E.J.R.P.)		-25.83			Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.005 000 mW/Hz ~ 0.000 792 mW/Hz F1 limit : 0.004 951 mW/Hz
			MHz		0.002 612			
			µW/Hz		5 250.43			
			dBm/Hz		-32.83		Pass	
		5 290 ~ 5 296.7 MHz	mW/Hz (E.J.R.P.)		0.000 521			Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.000 792 mW/Hz ~ 0.000 499 mW/Hz F1 limit : 0.000 558 mW/Hz
			MHz		5 251.21			
			dBm/Hz		-46.92			
			mW/Hz		0.000 020		Pass	
		5 296.7 ~ 5 480 MHz	dBm/Hz (E.J.R.P.)		-44.14			Equal or less than 0.5 µW/Hz
			MHz		5 295.09			
			dBm/Hz		-47.97			
			µW/Hz		0.016		Pass	
		More than 5 480 MHz	dBm/Hz (E.J.R.P.)		-45.19			Equal or less than 0.5 µW/Hz
			MHz		5 298.44			
dBm/Hz			-47.58					
µW/Hz			0.017		Pass			
	dBm/Hz (E.J.R.P.)		-44.80			Equal or less than 0.5 µW/Hz		
	MHz		0.033					
	µW/Hz		0.033					
	MHz		15 719.50					



			Normal Voltage			Pass or Fail	Limit	
			DC 24.0 V					
Test item	Test Mode	Unit	Result					
	Frequency		5 180	5 220	5 240			
TX Spurious Emission	802.11a	Less than 5 142 MHz	dBm/Hz	-49.30	-49.72	-50.71	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz	0.012	0.011	0.008		
			dBm/Hz (E.I.R.P.)	-46.52	-46.94	-47.93	Pass	
		5 142 ~ 5 150 MHz	µW/Hz (E.I.R.P.)	0.022	0.020	0.016		Equal or less than 3 µW/Hz
			MHz	5 108.81	5 011.77	5 037.31		
			dBm/Hz	-43.63	-48.12	-51.64	Pass	
		5 250 ~ 5 250.2 MHz	µW/Hz	0.043	0.015	0.007		Equal or less than 0.405 225 mW/Hz
			dBm/Hz (E.I.R.P.)	-40.85	-45.34	-48.86	Pass	
			µW/Hz (E.I.R.P.)	0.082	0.029	0.013		
		5 250.2 ~ 5 251MHz	MHz	5 149.64	5 145.66	5 144.91		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.430 887 mW/Hz - 0.126 191 mW/Hz F1 limit : 0.405 225 mW/Hz F2 limit : 0.233 183 mW/Hz
			dBm/Hz	-47.74	-45.15	-47.43	Pass	
			mW/Hz	0.000 017	0.000 031	0.018 072		
		5 251 ~ 5 251MHz	dBm/Hz (E.I.R.P.)	-44.96	-42.37	-14.65	Pass	Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz F1 limit : 0.025 179 mW/Hz F2 limit : 0.126 191 mW/Hz
			MHz	5 250.01	5 250.10	5 250.04		
			dBm/Hz	-48.17	-44.58	-19.57	Pass	
		5 251 ~ 5 260MHz	dBm/Hz (E.I.R.P.)	-45.39	-41.80	-16.79	Pass	Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.003 170 mW/Hz - 0.000 498 mW/Hz F1 limit : 0.001 399 mW/Hz F2 limit : 0.006 015 mW/Hz
			MHz	5 250.90	5 250.20	5 250.36		
			dBm/Hz	-48.08	-46.84	-25.12	Pass	
		5 260 ~ 5 266.7MHz	mW/Hz	0.000 016	0.000 021	0.003 076		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.020 000 mW/Hz - 0.003 170 mW/Hz F1 limit : 0.003 562 mW/Hz F2 limit : 0.006 015 mW/Hz
			dBm/Hz (E.I.R.P.)	-45.30	-44.06	-22.34	Pass	
			mW/Hz (E.I.R.P.)	0.000 030	0.000 039	0.005 834		
		5 266.7 ~ 5 365 MHz	MHz	5 259.43	5 256.87	5 251.03		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.003 170 mW/Hz - 0.000 498 mW/Hz F1 limit : 0.001 399 mW/Hz F2 limit : 0.001 938 mW/Hz
			dBm/Hz	-47.91	-47.38	-48.35	Pass	
			mW/Hz	0.000 016	0.000 018	0.000 015		
		More than 5 365 MHz	dBm/Hz (E.I.R.P.)	-45.13	-44.60	-45.57	Pass	Equal or less than 0.5 µW/Hz
			MHz	5 262.96	5 261.78	5 260.02		
			dBm/Hz	-48.52	-48.05	-48.69	Pass	
		More than 5 365 MHz	µW/Hz	0.014	0.016	0.014		Equal or less than 0.5 µW/Hz
			dBm/Hz (E.I.R.P.)	-45.74	-45.27	-45.91	Pass	
			µW/Hz (E.I.R.P.)	0.027	0.030	0.026		
		More than 5 365 MHz	MHz	5 278.63	5 289.14	5 289.73		Equal or less than 0.5 µW/Hz
			dBm/Hz	-46.71	-46.89	-47.68	Pass	
			µW/Hz	0.021	0.020	0.017		
		More than 5 365 MHz	dBm/Hz (E.I.R.P.)	-43.93	-44.11	-44.90	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz (E.I.R.P.)	0.040	0.039	0.032		
			MHz	5 808.21	15 703.11	5 890.67		
TX Spurious Emission	802.11n HT20	Less than 5 142 MHz	Frequency	5 180	5 220	5 240		Equal or less than 0.5 µW/Hz
			dBm/Hz	-49.79	-49.90	-49.15	Pass	
			µW/Hz	0.010	0.010	0.012		
		5 142 ~ 5 150 MHz	dBm/Hz (E.I.R.P.)	-47.01	-47.12	-46.37	Pass	Equal or less than 3 µW/Hz
			µW/Hz (E.I.R.P.)	0.020	0.019	0.023	Pass	
			MHz	5 139.45	5 139.45	4 817.71		
		5 250 ~ 5 250.2 MHz	dBm/Hz	-47.03	-50.29	-51.05		Equal or less than 0.405 225 mW/Hz
			µW/Hz	0.020	0.009	0.008	Pass	
			dBm/Hz (E.I.R.P.)	-44.25	-47.51	-48.27		
		5 250.2 ~ 5 251MHz	µW/Hz (E.I.R.P.)	0.038	0.018	0.015		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.430 887 mW/Hz - 0.126 191 mW/Hz F1 limit : 0.233 183 mW/Hz F2 limit : 0.405 225 mW/Hz
			MHz	5 149.84	5 144.12	5 143.98		
			dBm/Hz	-50.05	-42.92	-14.58	Pass	
		5 251 ~ 5 260MHz	dBm/Hz (E.I.R.P.)	-47.27	-40.14	-11.80	Pass	Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.126 191 mW/Hz - 0.020 000 mW/Hz F1 limit : 0.024 045 mW/Hz F2 limit : 0.100 237 mW/Hz
			MHz	5 250.10	5 250.01	5 250.08		
			dBm/Hz	-49.18	-45.41	-16.62	Pass	
		5 260 ~ 5 266.7MHz	mW/Hz	0.000 012	0.000 029	0.021 777		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.020 000 mW/Hz - 0.003 170 mW/Hz F1 limit : 0.006 090 mW/Hz F2 limit : 0.015 968 mW/Hz
			dBm/Hz (E.I.R.P.)	-46.40	-42.63	-13.84	Pass	
			mW/Hz (E.I.R.P.)	0.000 023	0.000 055	0.041 305		
		5 266.7 ~ 5 365 MHz	MHz	5 250.92	5 250.30	5 250.33		Equal or less than 0.2 x 10 ⁻⁴ W/Hz (44.75 mW/Hz) Δ limit 0.020 000 mW/Hz - 0.003 170 mW/Hz F1 limit : 0.003 562 mW/Hz F2 limit : 0.006 015 mW/Hz
			dBm/Hz	-49.23	-45.90	-24.80	Pass	
			mW/Hz	0.000 012	0.000 026	0.003 311		
		More than 5 365 MHz	dBm/Hz (E.I.R.P.)	-46.45	-43.12	-22.02	Pass	Equal or less than 0.5 µW/Hz
			MHz	5 256.81	5 252.10	5 251.48		
			dBm/Hz	-49.89	-48.56	-46.78	Pass	
		More than 5 365 MHz	mW/Hz	0.000 010	0.000 014	0.000 021		Equal or less than 0.5 µW/Hz
			dBm/Hz (E.I.R.P.)	-47.11	-45.78	-44.00	Pass	
			µW/Hz (E.I.R.P.)	0.000 019	0.000 026	0.000 040		
		More than 5 365 MHz	MHz	5 261.34	5 265.78	5 260.95		Equal or less than 0.5 µW/Hz
			dBm/Hz	-48.12	-47.76	-48.38	Pass	
			µW/Hz	0.015	0.017	0.015		
		5 366.7 ~ 5 365 MHz	dBm/Hz (E.I.R.P.)	-45.34	-44.98	-45.60	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz (E.I.R.P.)	0.029	0.032	0.028		
			MHz	5 326.650	5 271.86	5 275.59		
		More than 5 365 MHz	dBm/Hz	-47.63	-47.36	-47.14	Pass	Equal or less than 0.5 µW/Hz
			µW/Hz	0.017	0.018	0.019		
			dBm/Hz (E.I.R.P.)	-44.85	-44.58	-44.36	Pass	
More than 5 365 MHz	µW/Hz (E.I.R.P.)	0.033	0.035	0.037		Equal or less than 0.5 µW/Hz		
	MHz	15 682.50	5 890.67	5 890.67				



			Normal Voltage			Pass or Fail	Limit					
			DC 24.0 V									
Test item	Test Mode	Unit	Result									
TX Spurious Emission	Frequency	802.11n, HT40	5 190		5 230							
			dBm/Hz	-49.84		-49.88		Pass				
			μW/Hz	0.010		0.010						
			dBm/Hz	-47.06		-47.10			Equal or less than 0.5 μW/Hz			
			μW/Hz (E.I.R.P.)	0.020		0.019		Pass				
			MHz	4 965.43		4 546.69						
			dBm/Hz	-50.43		-50.90						
			μW/Hz	0.009		0.008						
			dBm/Hz	-47.65		-48.12		Pass	Equal or less than 0.5 μW/Hz			
			μW/Hz (E.I.R.P.)	0.017		0.015						
			MHz	5 148.33		5 143.89						
			dBm/Hz	-49.11		-22.08						
			mW/Hz	0.000 012		0.006 194			Equal or less than 0.2 × 10 ⁻³ W/Hz log10: mW/Hz			
			dBm/Hz (E.I.R.P.)	-46.33		-19.30		Pass	Δ limit : 0.100 000 mW/Hz			
			μW/Hz (E.I.R.P.)	0.000 023		0.011 749			~ 0.010 000 mW/Hz			
			MHz	5 250.56		5 250.35			F1 limit : 0.027 542 mW/Hz			
			dBm/Hz	-50.51		-27.33			~ 0.004 000 mW/Hz			
			mW/Hz	0.000 009		0.001 849			F2 limit : ~ mW/Hz			
			dBm/Hz (E.I.R.P.)	-47.73		-24.55		Pass	Δ limit : 0.010 000 mW/Hz			
			mW/Hz (E.I.R.P.)	0.000 017		0.003 508			~ 0.001 585 mW/Hz			
			MHz	5 260.31		5 251.01			F1 limit : 0.004 055 mW/Hz			
			dBm/Hz	-50.28		-46.31			~ 0.001 585 mW/Hz			
			mW/Hz	0.000 009		0.000 023		Pass	Equal or less than 0.2 × 10 ⁻³ W/Hz log10: mW/Hz			
			dBm/Hz (E.I.R.P.)	-47.50		-43.53			Δ limit : 0.001 585 mW/Hz			
			mW/Hz	0.000 018		0.000 044			~ 0.000 497 mW/Hz			
			MHz	5 270.47		5 271.20			F1 limit : 0.001 485 mW/Hz			
			dBm/Hz	-50.32		-49.08			~ 0.000 497 mW/Hz			
			μW/Hz	0.009		0.012			F2 limit : ~ mW/Hz			
			dBm/Hz	-47.54		-46.30		Pass	Equal or less than 0.5 μW/Hz			
			μW/Hz (E.I.R.P.)	0.018		0.023						
			MHz	5 292.80		5 331.30						
			dBm/Hz	-0 046.94		-46.81						
			μW/Hz	0.020		0.021						
			dBm/Hz (E.I.R.P.)	-44.16		-44.03		Pass	Equal or less than 0.5 μW/Hz			
			μW/Hz (E.I.R.P.)	0.038		0.040						
			MHz	15 700.00		15 679.42						
			TX Spurious Emission	Frequency	802.11ac, VHT20	5 180	5 220	5 240				
						dBm/Hz	-49.72	-50.19	-49.84		Pass	
						μW/Hz	0.011	0.010	0.010			
						dBm/Hz	-46.94	-47.41	-47.06			Equal or less than 0.5 μW/Hz
						μW/Hz (E.I.R.P.)	0.020	0.018	0.020		Pass	
						MHz	4 291.70	4 919.85	5 011.77			
						dBm/Hz	-45.85	-50.10	-50.88			
						μW/Hz	0.026	0.010	0.008			
						dBm/Hz (E.I.R.P.)	-43.07	-47.32	-48.10		Pass	Equal or less than 3 μW/Hz
						μW/Hz (E.I.R.P.)	0.049	0.019	0.015			
						MHz	5 149.67	5 146.46	5 144.85			
						dBm/Hz	-49.14	-42.71	-14.43			
						mW/Hz	0.000 012	0.000 054	0.036 058		Pass	Equal or less than 0.2 × 10 ⁻³ W/Hz log10: mW/Hz
						dBm/Hz (E.I.R.P.)	-46.36	-39.93	-11.65			Δ limit : 0.430 887 mW/Hz
						μW/Hz (E.I.R.P.)	0.000 023	0.000 102	0.068 391			0.128 191 mW/Hz
						MHz	5 250.04	5 250.09	5 250.06			F1 limit : 0.337 052 mW/Hz
						dBm/Hz	-49.48	-42.72	-16.62			~ 0.004 000 mW/Hz
						μW/Hz	0.000 011	0.000 053	0.021 777			F2 limit : 0.347 950 mW/Hz
						dBm/Hz (E.I.R.P.)	-46.70	-39.94	-13.84		Pass	Δ limit : 0.126 191 mW/Hz
						MHz	5 260.01	5 250.01	5 250.01			0.020 000 mW/Hz
						dBm/Hz	0.000 021	0.000 101	0.041 305			F1 limit : 0.043 755 mW/Hz
						μW/Hz (E.I.R.P.)	5 250.66	5 250.60	5 250.31			~ 0.001 585 mW/Hz
						MHz	-49.66	-44.29	-23.56			F2 limit : 0.050 238 mW/Hz
						dBm/Hz	0.000 011	0.000 037	0.004 406			~ 0.001 585 mW/Hz
						μW/Hz	-46.88	-41.51	-20.78		Pass	Equal or less than 0.2 × 10 ⁻³ W/Hz log10: mW/Hz
						dBm/Hz (E.I.R.P.)	0.000 021	0.000 071	0.008 356			Δ limit : 0.000 497 mW/Hz
						μW/Hz (E.I.R.P.)	5 252.02	5 251.36	5 251.02			F1 limit : 0.016 232 mW/Hz
						MHz	-48.46	-47.85	-47.59			~ 0.001 585 mW/Hz
						dBm/Hz	0.000 014	0.000 016	0.000 017			F2 limit : 0.018 579 mW/Hz
						μW/Hz	-45.68	-45.07	-44.81		Pass	Equal or less than 0.2 × 10 ⁻³ W/Hz log10: mW/Hz
						dBm/Hz (E.I.R.P.)	0.000 027	0.000 031	0.000 033			Δ limit : 0.003 170 mW/Hz
						MHz	5 263.50	5 260.30	5 260.24			0.000 496 mW/Hz
						dBm/Hz	-47.30	-47.93	-49.13			F1 limit : 0.001 205 mW/Hz
						μW/Hz	0.019	0.016	0.012			~ 0.001 585 mW/Hz
						dBm/Hz (E.I.R.P.)	-44.52	-45.15	-46.35		Pass	F2 limit : 0.002 918 mW/Hz
						μW/Hz (E.I.R.P.)	0.035	0.031	0.023			~ 0.001 585 mW/Hz
						MHz	5275.69	5329.89	5 262.85			
						dBm/Hz	-46.36	-47.04	-47.74			
						μW/Hz	0.023	0.020	0.017			
						dBm/Hz	-43.58	-44.26	-44.96		Pass	Equal or less than 0.5 μW/Hz
						μW/Hz (E.I.R.P.)	0.044	0.037	0.032			
						MHz	15 661.89	15 682.50	15 661.89			
						Frequency	5 180	5 220	5 240			
						dBm/Hz	-49.72	-50.19	-49.84			
						μW/Hz	0.011	0.010	0.010			
						dBm/Hz	-46.94	-47.41	-47.06			
						μW/Hz (E.I.R.P.)	0.020	0.018	0.020			
						MHz	4 291.70	4 919.85	5 011.77			
						dBm/Hz	-45.85	-50.10	-50.88			
						μW/Hz	0.026	0.010	0.008			
						dBm/Hz (E.I.R.P.)	-43.07	-47.32	-48.10			
						μW/Hz (E.I.R.P.)	0.049	0.019	0.015			
						MHz	5 149.67	5 146.46	5 144.85			
						dBm/Hz	-49.14	-42.71	-14.43			
						mW/Hz	0.000 012	0.000 054	0.036 058			
						dBm/Hz (E.I.R.P.)	-46.36	-39.93	-11.65			
						μW/Hz (E.I.R.P.)	0.000 023	0.000 102	0.068 391			
						MHz	5 250.04	5 250.09	5 250.06			
						dBm/Hz	-49.48	-42.72	-16.62			
						μW/Hz	0.000 011	0.000 053	0.021 777			
						dBm/Hz (E.I.R.P.)	-46.70	-39.94	-13.84			
						MHz	5 260.01	5 250.01	5 250.01			
						dBm/Hz	0.000 021	0.000 101	0.041 305			
						μW/Hz (E.I.R.P.)	5 250.66	5 250.60	5 250.31			
						MHz	-49.66	-44.29	-23.56			
						dBm/Hz	0.000 011	0.000 037	0.004 406			
						μW/Hz	-46.88	-41.51	-20.78			
						dBm/Hz (E.I.R.P.)	0.000 021	0.000 071	0.008 356			
						μW/Hz (E.I.R.P.)	5 252.02	5 251.36	5 251.02			
						MHz	-48.46	-47.85	-47.59			
						dBm/Hz	0.000 014	0.000 016	0.000 017			
						μW/Hz	-45.68	-45.07	-44.81			
						dBm/Hz (E.I.R.P.)	0.000 027	0.000 031	0.000 033			
						μW/Hz (E.I.R.P.)	5 263.50	5 260.30	5 260.24			
						MHz	-47.30	-47.93	-49.13			
						dBm/Hz	0.019	0.016	0.012			
						μW/Hz	-44.52	-45.15	-46.35			
						dBm/Hz (E.I.R.P.)	0.035	0.031	0.023			
						μW/Hz (E.I.R.P.)	5275.69	5329.89	5 262.85			
						MHz	-46.36	-47.04	-47.74			
						μW/Hz	0.023	0.020	0.017			
						dBm/Hz	-43.58	-44.26	-44.96			
						μW/Hz (E.I.R.P.)	0.044	0.037	0.032			
						MHz	15 661.89	15 682.50	15 661.89			
						Frequency	5 180	5 220	5 240			
						dBm/Hz	-49.72	-50.19	-49.84			
						μW/Hz	0.011	0.010	0.010			
						dBm/Hz	-46.94	-47.41	-47.06			
						μW/Hz (E.I.R.P.)	0.020	0.018	0.020			
						MHz	4 291.70	4 919.85	5 011.77			
						dBm/Hz	-45.85	-50.10	-50.88			
						μW/Hz	0.026	0.010	0.008			
						dBm/Hz (E.I.R.P.)	-43.07	-47.32	-48.10			
						μW/Hz (E.I.R.P.)	0.049	0.019	0.015			
						MHz	5 149.67	5 146.46	5 144.85			
						dBm/Hz	-49.14	-42.71	-14.43			
						mW/Hz	0.000 012	0.000 054	0.036 058			
						dBm/Hz (E.I.R.P.)	-46.36	-39.93	-11.65			
						μW/Hz (E.I.R.P.)	0.000 023	0.000 102	0.068 391			
						MHz	5 250.04	5 250.09	5 250.06			
						dBm/Hz	-49.48	-42.72	-16.62			
						μW/Hz	0.000 011	0.000 053	0.021 777			
						dBm/Hz (E.I.R.P.)	-46.70	-39.94	-13.84			
						MHz	5 260.01	5 250.01	5 250.01			
						dBm/Hz	0.000 021	0.000 101	0.041 305			
						μW/Hz (E.I.R.P.)	5 250.66	5 250.60	5 250.31			
						MHz	-49.66	-44.29	-23.56			
						dBm/Hz	0.000 011	0.000 037	0.004 406			
						μW/Hz	-46.88	-41.51	-20.78			
						dBm/Hz (E.I.R.P.)	0.000 021	0.000 071	0.008 356			
						μW/Hz (E.I.R.P.)	5 252.02	5 251.36	5 251.02			
						MHz	-48.46	-47.85	-47.59			
						dBm/Hz	0.000 014	0.000 016	0.000 017			
						μW/Hz	-45.68	-45.07	-44.81			
						dBm/Hz (E.I.R.P.)	0.000 027	0.000 031	0.000 033			
						μW/Hz (E.I.R.P.)	5 263.50	5 260.30	5 260.24			
						MHz	-47.30	-47.93	-49.13			
						dBm/Hz	0.019	0.016	0.012			
						μW/Hz	-44.52	-45.15	-46.35			
dBm/Hz (E.I.R.P.)	0.035	0.031				0.023						
μW/Hz (E.I.R.P.)	5275.69	5329.89				5 262.85						
MHz	-46.36	-47.04				-47.74						
μW/Hz	0.023	0.020				0.017						
dBm/Hz	-43.58	-44.26				-44.96						
μW/Hz (E.I.R.P.)	0.044	0.037				0.032						
MHz	15 661.89	15 682.50				15 661.89						
Frequency	5 180	5 220				5 240						
dBm/Hz	-49.72	-50.19				-49.84						
μW/Hz	0.011	0.010				0.010						
dBm/Hz	-46.94	-47.41				-47.06						
μW/Hz (E.I.R.P.)	0.020	0.018				0.020						
MHz	4 291.70	4 919.85				5 011.77						
dBm/Hz	-45.85	-50.10				-50.88						
μW/Hz	0.026	0.010				0.008						
dBm/Hz (E.I.R.P.)	-43.07	-47.32				-48.10						
μW/Hz (E.I.R.P.)	0.049	0.019				0.015						
MHz	5 149.67	5 146.46				5 144.85						
dBm/Hz	-49.14	-42.71				-14.43						
mW/Hz	0.000 012	0.000 054				0.036 058						
dBm/Hz (E.I.R.P.)	-46.36	-39.93				-11.65						
μW/Hz (E.I.R.P.)	0.000 023	0.000 102				0.068 391						
MHz	5 250.04	5 250.09				5 250.06						
dBm/Hz	-49.48	-42.72				-16.62						
μW/Hz	0.000 011	0.000 053				0.021 777						
dBm/Hz (E.I.R.P.)	-46.70	-39.94				-13.84						
MHz	5 260.01	5 250.01				5 250.01						
dBm/Hz	0.000 021	0.000 101				0.041 305						
μW/Hz (E.I.R.P.)	5 250.66	5 250.60				5 250.31						
MHz	-49.66	-44.29				-23.56						
dBm/Hz	0.000 011	0.000 037				0.004 406						
μW/Hz	-46.88	-41.51				-20.78						
dBm/Hz (E.I.R.P.)	0.000 021	0.000 071				0.008 356						
μW/Hz (E.I.R.P.)	5 252.02	5 251.36				5 251.02						
MHz	-48.46	-47.85				-47.59						
dBm/Hz	0.000 014	0.000 016				0.000 017						
μW/Hz	-45.68	-45.07	-44.81									
dBm/Hz (E.I.R.P.)												



			Normal Voltage			Pass or Fail	Limit				
			DC 24.0 V								
Test item	Test Mode	Unit	Result								
TX Spurious Emission	Frequency	802.11ac VHT40	5 190		5 230						
			dBm/Hz	-50.31		-49.77	Pass	Equal or less than 0.5 µW/Hz			
			µW/Hz	0.009		0.011					
			dBm/Hz (E.J.R.P.)	-47.53		-46.99					
			µW/Hz (E.J.R.P.)	0.018		0.020	Pass				
			MHz	5 021.60		4 960.32		Equal or less than 3 µW/Hz			
			dBm/Hz	-51.44		-52.22					
			µW/Hz	0.007		0.006					
			dBm/Hz (E.J.R.P.)	-48.66		-49.44	Pass				
			µW/Hz (E.J.R.P.)	0.014		0.011		Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.100 000 mW/Hz ~ 0.010 000 mW/Hz F1 limit : 0.051 286 mW/Hz			
			MHz	5 149.36		5 144.01					
			dBm/Hz	-50.10		-52.89					
			mW/Hz	0.000 010		0.002 576	Pass				
			dBm/Hz (E.J.R.P.)	-47.32		-23.11		F2 limit : - mW/Hz Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz ~ 1.8 × log(1/2) µW/Hz Δ limit 0.010 000 mW/Hz ~ 0.001 585 mW/Hz F1 limit : 0.001 704 mW/Hz			
			MHz	5 250.29		5 250.64					
			dBm/Hz	-50.13		-29.05					
			mW/Hz	0.000 010		0.001 245	Pass				
			dBm/Hz (E.J.R.P.)	-47.35		-26.27		F2 limit : - mW/Hz Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz ~ 1.8 × log(1/2) µW/Hz Δ limit 0.001 585 mW/Hz ~ 0.000 497 mW/Hz F1 limit : 0.001 069 mW/Hz			
			MHz	5 269.25		5 251.35					
			dBm/Hz	-50.38		-49.42					
			mW/Hz	0.000 009		0.000 011	Pass				
			dBm/Hz (E.J.R.P.)	-47.60		-46.64		F2 limit : - mW/Hz Equal or less than 0.5 µW/Hz			
			MHz	5 272.85		5 274.32					
			dBm/Hz	-50.63		-49.46					
			µW/Hz	0.009		0.011	Pass				
			dBm/Hz (E.J.R.P.)	-47.85		-46.68		Equal or less than 0.5 µW/Hz			
			MHz	5 389.74		5 396.42					
			dBm/Hz	-47.36		-46.67					
			µW/Hz	0.018		0.022	Pass				
			dBm/Hz (E.J.R.P.)	-44.58		-43.89		Equal or less than 0.5 µW/Hz			
			µW/Hz	0.035		0.041					
			MHz	15 700.00		15 700.00					
			TX Spurious Emission	Frequency	802.11ac VHT80	5 210					
						dBm/Hz	-50.01			Pass	Equal or less than 0.5 µW/Hz
						µW/Hz	0.010				
						dBm/Hz (E.J.R.P.)	-47.23				
						µW/Hz (E.J.R.P.)	0.019			Pass	
						MHz	5 085.04				Equal or less than 3 µW/Hz
						dBm/Hz	-50.96				
						µW/Hz	0.008				
						dBm/Hz (E.J.R.P.)	-48.18			Pass	
						µW/Hz (E.J.R.P.)	0.015				Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz Δ limit 0.050 000 mW/Hz ~ 0.005 000 mW/Hz F1 limit : 0.013 458 mW/Hz F2 limit : - mW/Hz F3 limit : - mW/Hz
						MHz	5 148.33				
						dBm/Hz	-29.63				
						mW/Hz	0.001 089			Pass	
						dBm/Hz (E.J.R.P.)	-26.85				Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz ~ 1.8 × log(1/2) µW/Hz Δ limit 0.005 000 mW/Hz ~ 0.000 792 mW/Hz F1 limit : 0.004 763 mW/Hz
						MHz	5 250.57				
dBm/Hz	-34.99										
mW/Hz	0.000 317						Pass				
dBm/Hz (E.J.R.P.)	-32.21							F2 limit : - mW/Hz Equal or less than 0.2 × 10 ⁻⁴ (-40) + log(1/2) µW/Hz ~ 1.8 × log(1/2) µW/Hz Δ limit 0.000 792 mW/Hz ~ 0.000 499 mW/Hz F1 limit : 0.000 504 mW/Hz			
MHz	0.000 601										
dBm/Hz	-52.03										
mW/Hz	-45.60						Pass				
dBm/Hz (E.J.R.P.)	-42.82							F2 limit : - mW/Hz Equal or less than 0.5 µW/Hz			
MHz	0.000 028										
dBm/Hz	-45.81										
µW/Hz	0.026						Pass				
dBm/Hz (E.J.R.P.)	-45.81							Equal or less than 0.5 µW/Hz			
µW/Hz	0.014										
dBm/Hz (E.J.R.P.)	-45.81										
µW/Hz	0.026						Pass				
dBm/Hz (E.J.R.P.)	-47.21							Equal or less than 0.5 µW/Hz			
µW/Hz	0.019										
dBm/Hz (E.J.R.P.)	-44.43										
µW/Hz (E.J.R.P.)	0.036						Pass				
MHz	5 920.74							Equal or less than 0.5 µW/Hz			



			Low Voltage DC 21.6 V			Pass or Fail	Limit	
Test item	Test Mode	Unit	Result					
TX Spurious Emission		Frequency	5 180	5 220	5 240	Pass	Equal or less than 0.5 μW/Hz	
			dBm/Hz	-50.16	-49.52			-49.76
			μW/Hz	0.010	0.011			0.011
			dBm/Hz (E.I.R.P.)	-47.38	-46.74			-46.98
			μW/Hz (E.I.R.P.)	0.018	0.021			0.020
			MHz	5 113.91	5 129.23			4 945.38
			dBm/Hz	-42.50	-49.17			-51.18
			μW/Hz	0.056	0.012			0.008
			dBm/Hz (E.I.R.P.)	-39.72	-46.39			-48.40
			μW/Hz (E.I.R.P.)	0.107	0.023			0.014
			MHz	5 148.30	5 143.11			5 149.74
			dBm/Hz	-48.41	-43.61			-17.74
			mW/Hz	0.000 014	0.000 044			0.016 827
			dBm/Hz (E.I.R.P.)	-45.63	-40.83			-14.96
			μW/Hz (E.I.R.P.)	0.000 027	0.000 083			0.031 915
			MHz	5 250.10	5 250.03			5 250.09
			dBm/Hz	-47.23	-43.87			-20.09
			mW/Hz	0.000 019	0.000 041			0.009 795
			dBm/Hz (E.I.R.P.)	-44.45	-41.09			-17.31
			μW/Hz (E.I.R.P.)	0.000 036	0.000 078			0.018 578
			MHz	5 250.76	5 250.84			5 250.43
			dBm/Hz	-48.21	-46.43			-25.70
			mW/Hz	0.000 015	0.000 023			0.002 692
			dBm/Hz (E.I.R.P.)	-45.43	-43.65			-22.92
			μW/Hz (E.I.R.P.)	0.000 029	0.000 043			0.005 105
			MHz	5 254.67	5 251.17			5 251.01
			dBm/Hz	-48.03	-46.85			-49.08
			mW/Hz	0.000 016	0.000 021			0.000 012
			dBm/Hz (E.I.R.P.)	-45.25	-44.07			-46.30
			μW/Hz (E.I.R.P.)	0.000 030	0.000 039			0.000 023
			MHz	5 263.97	5 263.07			5 260.02
			dBm/Hz	-48.69	-47.73			-48.76
			μW/Hz	0.014	0.017			0.013
			dBm/Hz (E.I.R.P.)	-45.91	-44.95			-45.98
			μW/Hz (E.I.R.P.)	0.026	0.032			0.025
			MHz	5 299.25	5 272.05			5 278.73
			dBm/Hz	-46.78	-47.11			-46.64
			μW/Hz	0.021	0.019			0.022
			dBm/Hz (E.I.R.P.)	-44.00	-44.33			-43.86
			μW/Hz (E.I.R.P.)	0.040	0.037			0.041
MHz	5 828.82	5 973.12	15 703.11					
TX Spurious Emission		Frequency	5 180	5 220	5 240	Pass	Equal or less than 0.5 μW/Hz	
			dBm/Hz	-49.16	-50.16			-49.97
			μW/Hz	0.012	0.010			0.010
			dBm/Hz (E.I.R.P.)	-46.38	-47.38			-47.19
			μW/Hz (E.I.R.P.)	0.023	0.018			0.019
			MHz	5 108.81	4 577.69			4 986.24
			dBm/Hz	-46.62	-50.36			-51.14
			μW/Hz	0.022	0.008			0.008
			dBm/Hz (E.I.R.P.)	-43.84	-48.18			-48.36
			μW/Hz (E.I.R.P.)	0.041	0.015			0.015
			MHz	5 147.95	5 147.91			5 143.02
			dBm/Hz	-49.56	-44.70			-14.26
			mW/Hz	0.000 011	0.000 034			0.037 497
			dBm/Hz (E.I.R.P.)	-46.78	-41.92			-11.48
			μW/Hz (E.I.R.P.)	0.000 021	0.000 064			0.071 121
			MHz	5 250.18	5 250.01			5 250.04
			dBm/Hz	-49.46	-44.73			-16.63
			mW/Hz	0.000 011	0.000 034			0.021 727
			dBm/Hz (E.I.R.P.)	-46.68	-41.95			-13.85
			μW/Hz (E.I.R.P.)	0.000 021	0.000 064			0.041 210
			MHz	5 250.98	5 250.55			5 250.27
			dBm/Hz	-48.91	-44.67			-23.55
			mW/Hz	0.000 013	0.000 034			0.004 416
			dBm/Hz (E.I.R.P.)	-46.13	-41.89			-20.77
			μW/Hz (E.I.R.P.)	0.000 024	0.000 065			0.008 375
			MHz	5 259.67	5 251.60			5 251.31
			dBm/Hz	-50.58	-48.51			-48.93
			mW/Hz	0.000 009	0.000 014			0.000 013
			dBm/Hz (E.I.R.P.)	-47.80	-45.73			-46.15
			μW/Hz (E.I.R.P.)	0.000 017	0.000 027			0.000 024
			MHz	5 266.51	5 261.12			5 260.75
			dBm/Hz	-46.62	-47.90			-49.08
			μW/Hz	0.022	0.016			0.012
			dBm/Hz (E.I.R.P.)	-43.84	-45.12			-46.30
			μW/Hz (E.I.R.P.)	0.041	0.031			0.023
			MHz	5 317.42	5 303.28			5 353.46
			dBm/Hz	-47.08	-47.59			-47.18
			μW/Hz	0.020	0.017			0.019
			dBm/Hz (E.I.R.P.)	-44.30	-44.81			-44.40
			μW/Hz (E.I.R.P.)	0.037	0.033			0.036
MHz	6076.200	15 661.89	6 983.23					



			Low Voltage			Pass or Fail	Limit
			DC 21.6 V				
Test item	Test Mode	Unit	Result				
Frequency			5 190		5 230		
TX Spurious Emission	Less than 5 141.6 MHz	802.11n, HT40	dBm/Hz	-50.03	-49.78	Pass	Equal or less than 0.5 µV/Hz
			µW/Hz	0.010	0.011		
			dBm/Hz (E.J.R.P.)	-47.25	-47.00		
			µW/Hz (E.J.R.P.)	0.019	0.020	Pass	
			MHz	4 960.32	5 062.45		
			dBm/Hz	-50.63	-51.35		
			µW/Hz	0.009	0.007		
			dBm/Hz (E.J.R.P.)	-47.85	-48.57	Pass	
			µW/Hz (E.J.R.P.)	0.016	0.014		
			MHz	5 147.50	5 149.38		
			dBm/Hz	-50.47	-21.80		
			mW/Hz	0.000 009	0.006 607		
	5 141.6 ~ 5 150 MHz		dBm/Hz (E.J.R.P.)	-47.69	-19.02	Pass	Equal or less than 3 µV/Hz
			mW/Hz (E.J.R.P.)	0.000 017	0.012 531		
			MHz	5 250.81	5 250.30		
			dBm/Hz	-50.62	-26.13		
			mW/Hz	0.000 009	0.002 438		
			dBm/Hz (E.J.R.P.)	-47.84	-23.35	Pass	
			mW/Hz (E.J.R.P.)	0.000 016	0.004 624		
			MHz	5 252.91	5 251.10		
			dBm/Hz	-50.63	-47.42		
			mW/Hz	0.000 009	0.000 018		
			dBm/Hz (E.J.R.P.)	-47.85	-44.64	Pass	
			mW/Hz (E.J.R.P.)	0.000 016	0.000 034		
	5 250 ~ 5 251 MHz		MHz	5 276.46	5 271.36		Equal or less than 0.5 µV/Hz
			dBm/Hz	-51.12	-49.81		
			µW/Hz	0.008	0.010		
			dBm/Hz (E.J.R.P.)	-48.34	-47.03	Pass	
			µW/Hz (E.J.R.P.)	0.015	0.020		
			MHz	5 396.42	5 312.96		
			dBm/Hz	-47.21	-46.81		
			µW/Hz	0.019	0.021		
			dBm/Hz (E.J.R.P.)	-44.43	-44.03	Pass	
			µW/Hz (E.J.R.P.)	0.036	0.040		
			MHz	5 863.04	15 700.00		
			5 278.4 ~ 5 400 MHz		dBm/Hz	-49.41	
	µW/Hz	0.011			0.014		
	dBm/Hz (E.J.R.P.)	-46.63			-45.76		
	µW/Hz (E.J.R.P.)	0.022			0.027	Pass	
	MHz	5 083.27			5 108.81		
	dBm/Hz	-45.94			-50.08		
	µW/Hz	0.025			0.010		
	dBm/Hz (E.J.R.P.)	-43.16			-47.30	Pass	
	µW/Hz (E.J.R.P.)	0.048			0.019		
	MHz	5 149.80			5 144.79		
	dBm/Hz	-49.23			-42.63		
	mW/Hz	0.000 012			0.000 055		
5 278.4 ~ 5 400 MHz		dBm/Hz	-46.45	-39.85	Pass	Equal or less than 3 µV/Hz	
		mW/Hz	0.000 023	0.000 104			
		(E.J.R.P.)		0.067 608			
		MHz	5 250.03	5 250.17			
		dBm/Hz	-50.13	-42.14			
		mW/Hz	0.000 010	0.000 061			
		dBm/Hz (E.J.R.P.)	-47.35	-39.36	Pass		
		mW/Hz (E.J.R.P.)	0.000 018	0.000 116			
		MHz	5 250.89	5 250.83			
		dBm/Hz	-49.44	-43.73			
		mW/Hz	0.000 011	0.000 042			
		dBm/Hz (E.J.R.P.)	-46.66	-40.95	Pass		
5 278.4 ~ 5 400 MHz		mW/Hz (E.J.R.P.)	0.000 022	0.000 080		Equal or less than 0.5 µV/Hz	
		MHz	5 250.55	5 251.61			
		dBm/Hz	-48.77	-48.35			
		mW/Hz	0.000 013	0.000 015			
		dBm/Hz (E.J.R.P.)	-45.99	-45.57	Pass		
		mW/Hz (E.J.R.P.)	0.000 025	0.000 028			
		MHz	5 260.38	5 260.34			
		dBm/Hz	-47.87	-48.11			
		µW/Hz	0.016	0.015			
		dBm/Hz (E.J.R.P.)	-45.09	-45.33	Pass		
		µW/Hz (E.J.R.P.)	0.031	0.029			
		MHz	5 279.71	5 318.40			
5 278.4 ~ 5 400 MHz		dBm/Hz	-47.13	-46.50		Equal or less than 0.5 µV/Hz	
		µW/Hz	0.019	0.022			
		dBm/Hz (E.J.R.P.)	-44.35	-43.72	Pass		
		µW/Hz (E.J.R.P.)	0.037	0.042			
		MHz	5 849.44	5 849.44			
More than 5 400 MHz		dBm/Hz	-49.41	-48.54	Pass	Equal or less than 0.5 µV/Hz	
		µW/Hz	0.011	0.014			
		dBm/Hz (E.J.R.P.)	-46.63	-45.76			
		µW/Hz (E.J.R.P.)	0.022	0.027			
		MHz	5 083.27	5 108.81			
		dBm/Hz	-45.94	-50.08			
		µW/Hz	0.025	0.010			
		dBm/Hz (E.J.R.P.)	-43.16	-47.30	Pass		
		µW/Hz (E.J.R.P.)	0.048	0.019			
		MHz	5 149.80	5 144.79			
		dBm/Hz	-49.23	-42.63			
		mW/Hz	0.000 012	0.000 055			
5 250 ~ 5 250.2 MHz		dBm/Hz	-46.45	-39.85	Pass	Equal or less than 3 µV/Hz	
		mW/Hz	0.000 023	0.000 104			
		(E.J.R.P.)		0.067 608			
		MHz	5 250.03	5 250.17			
		dBm/Hz	-50.13	-42.14			
		mW/Hz	0.000 010	0.000 061			
		dBm/Hz (E.J.R.P.)	-47.35	-39.36	Pass		
		mW/Hz (E.J.R.P.)	0.000 018	0.000 116			
		MHz	5 250.89	5 250.83			
		dBm/Hz	-49.44	-43.73			
		mW/Hz	0.000 011	0.000 042			
		dBm/Hz (E.J.R.P.)	-46.66	-40.95	Pass		
5 250.2 ~ 5 251 MHz		mW/Hz (E.J.R.P.)	0.000 022	0.000 080		Equal or less than 0.5 µV/Hz	
		MHz	5 250.55	5 251.61			
		dBm/Hz	-48.77	-48.35			
		mW/Hz	0.000 013	0.000 015			
		dBm/Hz (E.J.R.P.)	-45.99	-45.57	Pass		
		mW/Hz (E.J.R.P.)	0.000 025	0.000 028			
		MHz	5 260.38	5 260.34			
		dBm/Hz	-47.87	-48.11			
		µW/Hz	0.016	0.015			
		dBm/Hz (E.J.R.P.)	-45.09	-45.33	Pass		
		µW/Hz (E.J.R.P.)	0.031	0.029			
		MHz	5 279.71	5 318.40			
5 250.2 ~ 5 251 MHz		dBm/Hz	-47.13	-46.50		Equal or less than 0.5 µV/Hz	
		µW/Hz	0.019	0.022			
		dBm/Hz (E.J.R.P.)	-44.35	-43.72	Pass		
		µW/Hz (E.J.R.P.)	0.037	0.042			
		MHz	5 849.44	5 849.44			
More than 5 400 MHz		dBm/Hz	-49.41	-48.54	Pass	Equal or less than 0.5 µV/Hz	
		µW/Hz	0.011	0.014			
		dBm/Hz (E.J.R.P.)	-46.63	-45.76			
		µW/Hz (E.J.R.P.)	0.022	0.027			
		MHz	5 083.27	5 108.81			
		dBm/Hz	-45.94	-50.08			
		µW/Hz	0.025	0.010			
		dBm/Hz (E.J.R.P.)	-43.16	-47.30	Pass		
		µW/Hz (E.J.R.P.)	0.048	0.019			
		MHz	5 149.80	5 144.79			
		dBm/Hz	-49.23	-42.63			
		mW/Hz	0.000 012	0.000 055			



			Low Voltage					Pass or Fail	Limit
			DC 21.6 V						
Test item	Test Mode	Unit	Result						
Frequency			5 190		5 230				
TX Spurious Emission	Less than 5 141.6 MHz	dBm/Hz	-50.08				-49.99	Pass	Equal or less than 0.5 µW/Hz
		µW/Hz	0.010				0.010		
		dBm/Hz (E.J.R.P.)	-47.30				-47.21		
		µW/Hz (E.J.R.P.)	0.019				0.019	Pass	
		MHz	4 960.32				5 139.05		
		dBm/Hz	-51.10				-51.22		
		µW/Hz	0.008				0.008		
		dBm/Hz (E.J.R.P.)	-48.32				-48.44	Pass	
		µW/Hz (E.J.R.P.)	0.015				0.014		
		MHz	5 148.04				5 146.21		
		dBm/Hz	-50.91				-26.29		
		mW/Hz	0.000 008				0.002 350		
	5 141.6 ~ 5 150 MHz	dBm/Hz (E.J.R.P.)	-48.13				-23.51	Pass	Equal or less than 3 µW/Hz
		µW/Hz (E.J.R.P.)	0.000 015				0.004 457		
		MHz	5 250.97				5 250.75		
		dBm/Hz	-51.00				-28.48		
		mW/Hz	0.000 008				0.001 419		
		dBm/Hz (E.J.R.P.)	-48.22				-25.70	Pass	
		µW/Hz (E.J.R.P.)	0.000 015				0.002 692		
		MHz	5 267.88				5 251.31		
		dBm/Hz	-49.94				-49.35		
		mW/Hz	0.000 010				0.000 012	Pass	
		dBm/Hz (E.J.R.P.)	-47.16				-46.57		
		µW/Hz (E.J.R.P.)	0.000 019				0.000 022		
	5 250 ~ 5 251 MHz	MHz	5 270.57				5 271.91		
		dBm/Hz	-50.80				-49.26		
		µW/Hz	0.008				0.012		
		dBm/Hz (E.J.R.P.)	-48.02				-46.48	Pass	
µW/Hz (E.J.R.P.)		0.016				0.022			
MHz		5 365.56				5 369.93			
dBm/Hz		-47.40				-45.98			
µW/Hz		0.018				0.025			
dBm/Hz (E.J.R.P.)		-44.62				-43.20	Pass		
µW/Hz (E.J.R.P.)		0.035				0.048			
MHz		5 883.62				5 842.46			
TX Spurious Emission		Less than 5 123.2 MHz	dBm/Hz	-50.23				-50.23	Pass
	µW/Hz		0.009				0.009		
	dBm/Hz (E.J.R.P.)		-47.45				-47.45	Pass	
	µW/Hz (E.J.R.P.)		0.018				0.018		
	MHz		4 749.22				4 749.22		
	dBm/Hz		-50.25				-50.25		
	µW/Hz		0.009				0.009		
	dBm/Hz (E.J.R.P.)		-47.57				-47.57	Pass	
	µW/Hz (E.J.R.P.)		0.017				0.017		
	MHz		5 148.78				5 148.78		
	dBm/Hz		-28.88				-28.88		
	mW/Hz		0.001 294				0.001 294		
	5 123.2 ~ 5 150 MHz	dBm/Hz (E.J.R.P.)	-26.10				-26.10	Pass	Equal or less than 3 µW/Hz
		µW/Hz (E.J.R.P.)	0.002 455				0.002 455		
		MHz	5 250.48				5 250.48		
		dBm/Hz	-32.97				-32.97		
		mW/Hz	0.000 505				0.000 505		
		dBm/Hz (E.J.R.P.)	-30.19				-30.19	Pass	
		µW/Hz (E.J.R.P.)	0.000 957				0.000 957		
		MHz	5 251.41				5 251.41		
		dBm/Hz	-47.79				-47.79		
		mW/Hz	0.000 017				0.000 017		
		dBm/Hz (E.J.R.P.)	-45.01				-45.01	Pass	
		µW/Hz (E.J.R.P.)	0.000 032				0.000 032		
	5 250 ~ 5 251 MHz	MHz	5 294.70				5 294.70		
		dBm/Hz	-48.55				-48.55		
		µW/Hz	0.014				0.014		
		dBm/Hz (E.J.R.P.)	-45.77				-45.77	Pass	
µW/Hz (E.J.R.P.)		0.026				0.026			
MHz		5 367.84				5 367.84			
dBm/Hz		-47.45				-47.45			
µW/Hz		0.018				0.018			
dBm/Hz (E.J.R.P.)		-44.67				-44.67	Pass		
µW/Hz (E.J.R.P.)		0.034				0.034			
MHz		6 351.23				6 351.23			



Test plots

