RADIO PERFORMANCE TEST REPORT

Test Report No. : **OT-256-RWD-037**

Reception No. : **2505001660**

Applicant : **LG Innotek Co., Ltd.**

Address : **30, Magokjungang 10-ro, Gangseo-gu, Seoul, 07796, South Korea**

Manufacturer : **LG Innotek Co., Ltd.**

Address : **26, Hanamsandan 5beon-ro Gwangsan-gu, Gwangju, 506-731, South Korea**

Type of Equipment : **4PPoE-BLE WLAN Bridge**

FCC ID. : **YZP-ETPPDRPP01**

Model Name : **ETPPDRPP01**

Multiple Model Name : **N/A**

Serial number : **N/A**

Total page of Report : **338 pages (including this page)**

Date of Incoming : **May 07, 2025**

Date of issue : **June 25, 2025**

SUMMARY

The equipment complies with the regulation; ***FCC PART 15 SUBPART E Section 15.407***

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.



Tested by	Reviewed by	Approved by
Si-eon Lee / Senior Project Engineer	Tae-Ho, Kim / Chief Engineer	Jae-Ho, Lee / Director
ONETECH Corp.	ONETECH Corp.	ONETECH Corp.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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※ Please refer to the Annex section for All test plots

Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-256-RWD-037	June 25, 2025	Initial Release	All

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

1. VERIFICATION OF COMPLIANCE

Applicant : LG Innotek Co., Ltd.

Address : 30, Magokjungang 10-ro, Gangseo-gu, Seoul, 07796, South Korea

Contact Person : Jeong Inchang / Senior Research Engineer

Telephone No. : +82-62-950-332

FCC ID : YZP-ETPPDRPP01

Model Name : ETPPDRPP01

Brand Name : -

Serial Number : N/A

Date : June 25, 2025

EQUIPMENT CLASS	Unlicensed National Information infrastructure(UNII)
E.U.T. DESCRIPTION	Modular Transmitter, 4PPoE-BLE WLAN Bridge
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2020
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART E Section 15.407 789033 D02 General UNII Test Procedures New Rules v02r01
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

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2. TEST SUMMARY

2.1 Test items and results

SECTION	TEST ITEMS	RESULTS
15.407(a)	26 dB Bandwidth	PASS
15.407(a)	Maximum Conducted Output Power	Met the Limit / PASS
15.407(a)	Peak Power Spectral Density	Met the Limit / PASS
15.407(e)	6 dB Bandwidth	Met the Limit / PASS
15.407(g)	Frequency Stability	Met the Limit / PASS
15.407(b)	Undesirable Emissions	Met the Limit / PASS
15.205, 15.407(b)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Met the Limit / PASS
15.207	AC Conducted Emissions 150 kHz-30 MHz	Met the Limit / PASS
15.407(h)	Dynamic frequency Selection	Met the Limit / PASS

2.2 Additions, deviations, exclusions from standards

No additions, deviations or exclusions have been made from standard.

2.3 Related Submittal(s) / Grant(s)

Original submittal only

2.4 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the regulation stated in FCC PART 15 SUBPART E Section 15.407

2.5 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2020. Radiated testing was performed at a distance of 3 m from EUT to the antenna.

2.6 Test Facility

The Onetech Corp. has been designated to perform equipment testing in compliance with ISO/IEC 17025.

The Electromagnetic compatibility measurement facilities are located at 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea

-. Site Filing:

VCCI (Voluntary Control Council for Interference) – Registration No. R-20122/ C-14617/ G-10666/ T-11842

-. Lab Accreditation:

KOLAS (Korea Laboratory Accreditation Scheme) - Accreditation NO. KT085

ISED (Innovation, Science and Economic Development Canada) – Registration No. Site# 3736A-3

FCC (Federal Communications Commission) - Accreditation No. KR0013

RRA (Radio Research Agency) – Designation No. KR0013

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3. GENERAL INFORMATION

3.1 Product Description

The LG Innotek Co., Ltd., Model ETPPDRPP01 (referred to as the EUT in this report) is a 4PPoE-BLE WLAN Bridge. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	4PPoE-BLE WLAN Bridge	
OPERATING FREQUENCY	Bluetooth LE	2 402 MHz ~ 2 480 MHz
	Bluetooth	2 402 MHz ~ 2 480 MHz
	WLAN 2.4 GHz	2 412 MHz ~ 2 462 MHz (802.11b/g/n(HT20))
		2 422 MHz ~ 2 452 MHz (802.11n(HT40))
	WLAN 5 150 MHz ~ 5 250 MHz Band	5 180 MHz ~ 5 240 MHz (802.11a/n(HT20)/ac(VHT20))
		5 190 MHz ~ 5 230 MHz (802.11n(HT40)/ac(VHT40))
		5 210 MHz (802.11ac(VHT80))
	WLAN 5 250 MHz ~ 5 350 MHz Band	5 260 MHz ~ 5 320 MHz (802.11a/n(HT20)/ac(VHT20))
		5 270 MHz ~ 5 310 MHz (802.11n(HT40)/ac(VHT40))
		5 290 MHz (802.11ac(VHT80))
	WLAN 5 470 MHz ~ 5 725 MHz Band	5 500 MHz ~ 5 720 MHz (802.11a/n(HT20)/ac(VHT20))
		5 510 MHz ~ 5 710 MHz (802.11n(HT40)/ac(VHT40))
		5 530 MHz ~ 5 690 MHz (802.11ac(VHT80))
	WLAN 5 725 MHz ~ 5 850 MHz Band	5 745 MHz ~ 5 825 MHz (802.11a/n(HT20)/ac(VHT20))
		5 755 MHz ~ 5 795 MHz (802.11n(HT40)/ac(VHT40))
		5 775 MHz (802.11ac(VHT80))
MODULATION TYPE	Bluetooth LE	GFSK for 1 Mbps / 2 Mbps
	Bluetooth	GFSK for 1Mbps, π/4-DQPSK for 2Mbps, 8-DPSK for 3Mbps
	WLAN 2.4 GHz	802.11b: DSSS Modulation(DBPSK/DQPSK/CCK) 802.11g/n(HT20)/n(HT40): OFDM Modulation(BPSK/QPSK/16QAM/64QAM)
	WLAN 5 GHz	802.11a/n(HT20)/n(HT40)/ac(VHT80): OFDM Modulation(BPSK/QPSK/16QAM/64QAM)

RF OUTPUT POWER	Bluetooth LE	125 kbps	7.69 dBm
		500 kbps	7.90 dBm
		1 Mbps	7.69 dBm
		2 Mbps	7.77 dBm
	Bluetooth	1 Mbps	8.14 dBm
		2 Mbps	10.44 dBm
		3 Mbps	10.59 dBm
	WLAN 2.4 GHz	SISO_Antenna 0	20.95 dBm(802.11b) 19.16 dBm(802.11g) 19.13 dBm(802.11n_HT20) 17.11 dBm(802.11n_HT40)
		SISO_Antenna 1	20.72 dBm(802.11b) 19.20 dBm(802.11g) 19.01 dBm(802.11n_HT20) 17.13 dBm(802.11n_HT40)
		MIMO_Antenna 0	14.82 dBm(802.11n_HT20) 11.45 dBm(802.11n_HT40)
		MIMO_Antenna 1	14.83 dBm(802.11n_HT20) 11.44 dBm(802.11n_HT40)
		MIMO_Multiple Antenna	14.82 dBm(802.11n_HT20) 11.45 dBm(802.11n_HT40)

RF OUTPUT POWER	WLAN 5 150 MHz ~ 5 250 MHz Band	SISO_Antenna 0	15.81 dBm(802.11a) 15.98 dBm(802.11n_HT20) 15.32 dBm(802.11n_HT40) 15.34 dBm(802.11ac_VHT20) 15.28 dBm(802.11ac_VHT40) 11.65 dBm(802.11ac_VHT80)
		SISO_Antenna 1	15.97 dBm(802.11a) 15.54 dBm(802.11n_HT20) 15.31 dBm(802.11n_HT40) 15.26 dBm(802.11ac_VHT20) 15.73 dBm(802.11ac_VHT40) 11.66 dBm(802.11ac_VHT80)
		MIMO_Antenna 0	11.82 dBm(802.11n_HT20) 11.05 dBm(802.11n_HT40) 11.84 dBm(802.11ac_VHT20) 11.51 dBm(802.11ac_VHT40) 8.26 dBm(802.11ac_VHT80)
		MIMO_Antenna 1	11.58 dBm(802.11n_HT20) 11.02 dBm(802.11n_HT40) 11.42 dBm(802.11ac_VHT20) 11.33 dBm(802.11ac_VHT40) 8.18 dBm(802.11ac_VHT80)
		MIMO_Multiple Antenna	14.71 dBm(802.11n_HT20) 14.05 dBm(802.11n_HT40) 14.64 dBm(802.11ac_VHT20) 14.38 dBm(802.11ac_VHT40) 11.23 dBm(802.11ac_VHT80)

RF OUTPUT POWER	WLAN 5 250 MHz ~ 5 350 MHz Band	SISO_Antenna 0	16.66 dBm(802.11a) 16.92 dBm(802.11n_HT20) 15.80 dBm(802.11n_HT40) 16.38 dBm(802.11ac_VHT20) 15.68 dBm(802.11ac_VHT40) 12.34 dBm(802.11ac_VHT80)
		SISO_Antenna 1	16.24 dBm(802.11a) 15.95 dBm(802.11n_HT20) 15.47 dBm(802.11n_HT40) 15.61 dBm(802.11ac_VHT20) 15.93 dBm(802.11ac_VHT40) 11.92 dBm(802.11ac_VHT80)
		MIMO_Antenna 0	12.38 dBm(802.11n_HT20) 12.08 dBm(802.11n_HT40) 12.17 dBm(802.11ac_VHT20) 12.13 dBm(802.11ac_VHT40) 8.77 dBm(802.11ac_VHT80)
		MIMO_Antenna 1	11.48 dBm(802.11n_HT20) 11.25 dBm(802.11n_HT40) 11.38 dBm(802.11ac_VHT20) 11.54 dBm(802.11ac_VHT40) 8.41 dBm(802.11ac_VHT80)
		MIMO_Multiple Antenna	14.96 dBm(802.11n_HT20) 14.70 dBm(802.11n_HT40) 14.80 dBm(802.11ac_VHT20) 14.82 dBm(802.11ac_VHT40) 11.60 dBm(802.11ac_VHT80)

RF OUTPUT POWER	WLAN 5 470 MHz ~ 5 725 MHz Band	SISO_Antenna 0	18.09 dBm(802.11a) 18.14 dBm(802.11n_HT20) 18.83 dBm(802.11n_HT40) 17.64 dBm(802.11ac_VHT20) 18.66 dBm(802.11ac_VHT40) 14.32 dBm(802.11ac_VHT80)
		SISO_Antenna 0_Straddle	14.82 dBm(802.11a) 14.41 dBm(802.11n_HT20) 15.98 dBm(802.11n_HT40) 14.52 dBm(802.11ac_VHT20) 16.09 dBm(802.11ac_VHT40) 14.58 dBm(802.11ac_VHT80)
		SISO_Antenna 1	17.08 dBm(802.11a) 16.91 dBm(802.11n_HT20) 16.73 dBm(802.11n_HT40) 16.49 dBm(802.11ac_VHT20) 16.92 dBm(802.11ac_VHT40) 13.83 dBm(802.11ac_VHT80)
		SISO_Antenna 1_Straddle	13.35 dBm(802.11a) 12.91 dBm(802.11n_HT20) 14.16 dBm(802.11n_HT40) 13.08 dBm(802.11ac_VHT20) 13.99 dBm(802.11ac_VHT40) 12.46 dBm(802.11ac_VHT80)

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RF OUTPUT POWER	WLAN 5 470 MHz ~ 5 725 MHz Band	MIMO_Antenna 0	13.47 dBm(802.11n_HT20) 14.25 dBm(802.11n_HT40) 13.24 dBm(802.11ac_VHT20) 14.48 dBm(802.11ac_VHT40) 9.87 dBm(802.11ac_VHT80)
		MIMO_Antenna 0_Straddle	8.06 dBm(802.11n_HT20) 9.56 dBm(802.11n_HT40) 8.43 dBm(802.11ac_VHT20) 9.75 dBm(802.11ac_VHT40) 10.11 dBm(802.11ac_VHT80)
		MIMO_Antenna 1	12.51 dBm(802.11n_HT20) 12.51 dBm(802.11n_HT40) 12.48 dBm(802.11ac_VHT20) 12.57 dBm(802.11ac_VHT40) 9.33 dBm(802.11ac_VHT80)
		MIMO_Antenna 1_Straddle	7.02 dBm(802.11n_HT20) 8.14 dBm(802.11n_HT40) 6.91 dBm(802.11ac_VHT20) 8.15 dBm(802.11ac_VHT40) 7.99 dBm(802.11ac_VHT80)
		MIMO_Multiple Antenna	15.76 dBm(802.11n_HT20) 16.48 dBm(802.11n_HT40) 15.49 dBm(802.11ac_VHT20) 16.64 dBm(802.11ac_VHT40) 12.62 dBm(802.11ac_VHT80)
		MIMO_Multiple Antenna _Straddle	10.58 dBm(802.11n_HT20) 11.92 dBm(802.11n_HT40) 10.75 dBm(802.11ac_VHT20) 12.03 dBm(802.11ac_VHT40) 12.19 dBm(802.11ac_VHT80)

RF OUTPUT POWER	WLAN 5 725 MHz ~ 5 850 MHz Band	SISO_Antenna 0	18.61 dBm(802.11a) 18.61 dBm(802.11n_HT20) 18.44 dBm(802.11n_HT40) 18.26 dBm(802.11ac_VHT20) 18.35 dBm(802.11ac_VHT40) 17.68 dBm(802.11ac_VHT80)
		SISO_Antenna 0_Straddle	8.54 dBm(802.11a) 8.71 dBm(802.11n_HT20) 4.90 dBm(802.11n_HT40) 8.78 dBm(802.11ac_VHT20) 4.86 dBm(802.11ac_VHT40) -0.89 dBm(802.11ac_VHT80)
		SISO_Antenna 1	18.71 dBm(802.11a) 18.48 dBm(802.11n_HT20) 18.19 dBm(802.11n_HT40) 18.14 dBm(802.11ac_VHT20) 18.42 dBm(802.11ac_VHT40) 17.41 dBm(802.11ac_VHT80)
		SISO_Antenna 1_Straddle	7.35 dBm(802.11a) 7.46 dBm(802.11n_HT20) 3.30 dBm(802.11n_HT40) 7.60 dBm(802.11ac_VHT20) 3.27 dBm(802.11ac_VHT40) -2.68 dBm(802.11ac_VHT80)

RF OUTPUT POWER	WLAN 5 725 MHz ~ 5 850 MHz Band	MIMO_Antenna 0	13.98 dBm(802.11n_HT20) 13.79 dBm(802.11n_HT40) 13.91 dBm(802.11ac_VHT20) 13.87 dBm(802.11ac_VHT40) 13.33 dBm(802.11ac_VHT80)
		MIMO_Antenna 0_Straddle	2.38 dBm(802.11n_HT20) -1.57 dBm(802.11n_HT40) 2.70 dBm(802.11ac_VHT20) -1.43 dBm(802.11ac_VHT40) -5.40 dBm(802.11ac_VHT80)
		MIMO_Antenna 1	14.07 dBm(802.11n_HT20) 13.76 dBm(802.11n_HT40) 13.91 dBm(802.11ac_VHT20) 13.84 dBm(802.11ac_VHT40) 13.10 dBm(802.11ac_VHT80)
		MIMO_Antenna 1_Straddle	1.63 dBm(802.11n_HT20) -2.48 dBm(802.11n_HT40) 1.53 dBm(802.11ac_VHT20) -2.49 dBm(802.11ac_VHT40) -7.20 dBm(802.11ac_VHT80)
		MIMO_Multiple Antenna	16.90 dBm(802.11n_HT20) 16.78 dBm(802.11n_HT40) 16.83 dBm(802.11ac_VHT20) 16.86 dBm(802.11ac_VHT40) 16.23 dBm(802.11ac_VHT80)
		MIMO_Multiple Antenna _Straddle	5.03 dBm(802.11n_HT20) 1.01 dBm(802.11n_HT40) 5.16 dBm(802.11ac_VHT20) 1.08 dBm(802.11ac_VHT40) -3.20 dBm(802.11ac_VHT80)

ANTENNA TYPE	PCB Antenna, Dipole Antenna		
ANTENNA GAIN	Bluetooth LE	0.15 dBi	
	Bluetooth	0.15 dBi	
	WLAN 2.4 GHz	Antenna 1	0.87 dBi
		Antenna 2	3.12 dBi
		Multiple Antenna	5.15 dBi
	5 150 MHz ~ 5 250 MHz Band	Antenna 1	0.22 dBi
		Antenna 2	3.90 dBi
		Multiple Antenna	5.45 dBi
	5 250 MHz ~ 5 350 MHz Band	Antenna 1	-0.09 dBi
		Antenna 2	3.90 dBi
		Multiple Antenna	5.36 dBi
	5 470 MHz ~ 5 725 MHz Band	Antenna 1	1.56 dBi
		Antenna 2	3.92 dBi
		Multiple Antenna	5.91 dBi
	5 725 MHz ~ 5 850 MHz Band	Antenna 1	1.39 dBi
		Antenna 2	3.85 dBi
		Multiple Antenna	5.80 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	40 MHz		

3.2 Alternative type(s)/model(s); also covered by this test report.

-. Current Diplexer and SMPS components will be co-located with equivalent parts from other Vendors.

-. The following lists consist of the added model and their differences.

Division	DiPlexer		SMPS	
	Basic	Dualization of parts	Basic	Dualization of parts
P/N	DP1608-A2455DTA0	RFDIP1606LE1319W9K	SHP2401LE	SN00952DG
Vendor	ACX	Walsin	Sungho	Mass-Power

Model Name	Differences	Tested
ETPPDRPP01	Basic: Diplexer (Basic), SMPS (Basic)	☑
	Option 1: Diplexer (Dualization of parts), SMPS (Basic)	☑
	Option 2: Diplexer (Basic), SMPS (Dualization of parts)	☐
	Option 1: Diplexer (Dualization of parts), SMPS (Dualization of parts)	☐

Note: 1. Since the applicant has commissioned the basic model and Option1 testing, this test report only guarantees the contents for the units for which the testing has been completed.

2. The Applicant/manufacturer is responsible for the compliance of all variants.

4. EUT MODIFICATIONS

-. None

5. SYSTEM TEST CONFIGURATION

5.1 Justification

This device was configured for testing in a typical way as a normal customer is supposed to be used. During the test, the following components were installed inside of the EUT.

DEVICE TYPE	MANUFACTURER	MODEL/PART NUMBER	FCC ID
Main Board	LG Innotek Co., Ltd.	N/A	N/A
SMPS Board	SUNGHO ELECTRONIC	SHP2401LE	N/A

5.2 Peripheral equipment

Defined as equipment needed for correct operation of the EUT, but not considered as tested:

Model	Manufacturer	Description	Connected to
ETPPDRPP01	LG Innotek Co., Ltd.	4PPoE-BLE WLAN Bridge (EUT)	
15s-fq1008TU	HP	Notebook PC	EUT
TPN-CA14	CHICONY POWER TECHNOLOGY(Chongqing) CO.,LTD.	AC Adapter	

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5.3 Mode of operation during the test

For the testing, software used to control the EUT for staying in continuous transmitting mode is programmed.

-. Frequency / Channel Operations

Mode	Band	Channel	Frequency
802.11a 802.11n 802.11ac(20 MHz)	Band 1	36	5 180
		44	5 220
		48	5 240
	Band 2A	52	5 260
		60	5 300
		64	5 320
	Band 2C	100	5 500
		116	5 580
		140	5 700
	Straddle	144	5 720
	Band 3	149	5 745
		157	5 785
		165	5 825
802.11n 802.11ac(40 MHz)	Band 1	38	5 190
		46	5 230
	Band 2A	54	5 270
		62	5 310
	Band 2C	102	5 510
		110	5 550
		134	5 670
	Straddle	142	5 710
	Band 3	151	5 755
		5 795	5 795
802.11ac(80 MHz)	Band 1	42	5 210
	Band 2A	58	5 290
	Band 2C	106	5 530
	Straddle	138	5 690
	Band 3	155	5 775

-. Power Level Setting(SISO)

Mode	Band	Channel No.	Frequency (MHz)	PLS Setting	
				ANT 1	ANT 2
802.11 a	UNII1	36	5 180	95	95
		44	5 220	95	95
		48	5 240	95	95
	UNII2A	52	5 260	95	95
		60	5 300	95	95
		64	5 320	95	95
	UNII2C	100	5 500	90	90
		116	5 580	90	90
		140	5 700	90	90
	UNII3	149	5 745	90	90
		157	5 785	90	90
		165	5 825	90	90
802.11 n(HT20)	UNII1	36	5 180	95	95
		44	5 220	95	95
		48	5 240	95	95
	UNII2A	52	5 260	95	95
		60	5 300	95	95
		64	5 320	95	95
	UNII2C	100	5 500	90	90
		116	5 580	90	90
		140	5 700	90	90
	UNII3	149	5 745	90	90
		157	5 785	90	90
		165	5 825	90	90

Mode	Band	Channel No.	Frequency (MHz)	PLS Setting	
				ANT 1	ANT 2
802.11 ac (VHT20)	UNII1	36	5 180	95	95
		44	5 220	95	95
		48	5 240	95	95
	UNII2A	52	5 260	95	95
		60	5 300	95	95
		64	5 320	95	95
	UNII2C	100	5 500	90	90
		116	5 580	90	90
		140	5 700	90	90
	UNII3	149	5 745	90	90
		157	5 785	90	90
		165	5 825	90	90
802.11 n(HT40)	UNII1	38	5 190	92	92
		46	5 230	95	95
	UNII2A	54	5 270	95	95
		62	5 310	92	92
	UNII2C	102	5 510	85	85
		110	5 550	90	90
		134	5 670	95	95
	UNII3	151	5 755	90	90
		159	5 795	90	90
802.11 ac (VHT40)	UNII1	38	5 190	92	92
		46	5 230	95	95
	UNII2A	54	5 270	95	95
		62	5 310	92	92
	UNII2C	102	5 510	85	85
		110	5 550	90	90
		134	5 670	95	95
	UNII3	151	5 755	90	90
		159	5 795	90	90

Mode	Band	Channel No.	Frequency (MHz)	PLS Setting	
				ANT 1	ANT 2
802.11 ac (VHT80)	UNII1	42	5 210	80	80
	UNII2A	58	5 290	80	80
	UNII2C	106	5 530	80	80
	UNII3	155	5 775	88	88
Straddle	802.11 a	144	5 720	90	90
	802.11 n(HT20)	144	5 720	90	90
	802.11 ac(VHT20)	144	5 720	90	90
	802.11 n(HT40)	142	5 710	95	95
	802.11 ac(VHT40)	142	5 710	95	95
	802.11 ac(VHT80)	138	5 690	95	95

-. Power Level Setting(MIMO)

Mode	Band	Channel No.	Frequency (MHz)	PLS Setting	
				ANT 1	ANT 2
802.11 n(HT20)	UNII1	36	5 180	80	80
		44	5 220	80	80
		48	5 240	80	80
	UNII2A	52	5 260	80	80
		60	5 300	80	80
		64	5 320	80	80
	UNII2C	100	5 500	75	75
		116	5 580	75	75
		140	5 700	75	75
	UNII3	149	5 745	75	75
		157	5 785	75	75
		165	5 825	75	75
802.11 ac (VHT20)	UNII1	36	5 180	80	80
		44	5 220	80	80
		48	5 240	80	80
	UNII2A	52	5 260	80	80
		60	5 300	80	80
		64	5 320	80	80
	UNII2C	100	5 500	75	75
		116	5 580	75	75
		140	5 700	75	75
	UNII3	149	5 745	75	75
		157	5 785	75	75
		165	5 825	75	75

Mode	Band	Channel No.	Frequency (MHz)	PLS Setting	
				ANT 1	ANT 2
802.11 n(HT40)	UNII1	38	5 190	77	77
		46	5 230	80	80
	UNII2A	54	5 270	80	80
		62	5 310	80	80
	UNII2C	102	5 510	70	70
		110	5 550	75	75
		134	5 670	80	80
	UNII3	151	5 755	75	75
		159	5 795	75	75
802.11 ac (VHT40)	UNII1	38	5 190	77	77
		46	5 230	80	80
	UNII2A	54	5 270	80	80
		62	5 310	80	80
	UNII2C	102	5 510	70	70
		110	5 550	75	75
		134	5 670	80	80
	UNII3	151	5 755	75	75
		159	5 795	75	75
802.11 ac(VHT80)	UNII1	42	5 210	65	65
	UNII2A	58	5 290	65	65
	UNII2C	106	5 530	65	65
	UNII3	155	5 775	73	73
Straddle	802.11 a	144	5 720	75	75
	802.11 n(HT20)	144	5 720	75	75
	802.11 ac(VHT20)	144	5 720	75	75
	802.11 n(HT40)	142	5 710	80	80
	802.11 ac(VHT40)	142	5 710	80	80
	802.11 ac(VHT80)	138	5 690	80	80

-. UNII 1_SISO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 a (Middle Channel)	6 Mbps	15.70	15.94
	9 Mbps	15.54	15.81
	12 Mbps	15.46	15.74
	18 Mbps	15.43	15.75
	24 Mbps	15.34	15.73
	36 Mbps	15.25	15.62
	48 Mbps	15.23	15.67
	54 Mbps	15.18	15.62
802.11 n (HT 20) (Middle Channel)	MCS 0	15.88	15.54
	MCS 1	15.70	15.32
	MCS 2	15.79	15.36
	MCS 3	15.78	15.34
	MCS 4	15.67	15.32
	MCS 5	15.67	15.28
	MCS 6	15.72	15.27
	MCS 7	15.64	15.28
802.11ac (VHT 20) (Middle Channel)	MCS 0	15.27	15.24
	MCS 1	15.13	15.11
	MCS 2	15.16	15.14
	MCS 3	15.12	15.03
	MCS 4	15.11	15.06
	MCS 5	15.09	15.01
	MCS 6	15.09	15.01
	MCS 7	15.09	15.02
	MCS 8	15.11	14.96

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Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11n (HT 40) (Low Channel)	MCS 0	15.15	14.56
	MCS 1	14.97	14.39
	MCS 2	14.84	14.34
	MCS 3	14.77	14.34
	MCS 4	14.76	14.38
	MCS 5	14.67	14.41
	MCS 6	14.76	14.37
	MCS 7	14.60	14.34
802.11 ac (VHT 40) (Low Channel)	MCS 0	15.28	15.19
	MCS 1	15.24	15.11
	MCS 2	15.16	15.06
	MCS 3	15.09	15.06
	MCS 4	15.06	15.10
	MCS 5	15.05	15.01
	MCS 6	15.12	15.07
	MCS 7	15.06	14.99
	MCS 8	15.04	14.96
	MCS 9	14.99	14.93
802.11 ac (VHT 80)	MCS 0	11.65	11.66
	MCS 1	11.55	11.55
	MCS 2	11.50	11.48
	MCS 3	11.60	11.46
	MCS 4	11.46	11.33
	MCS 5	11.37	11.23
	MCS 6	11.40	11.28
	MCS 7	11.42	11.26
	MCS 8	11.37	11.18
	MCS 9	11.30	11.14

-. The worse case data rate for each modulation is determined 6 Mbps(Ant.0/Ant.1) for IEEE 802.11a, MCS 0(Ant.0/Ant.1) for HT20, VHT20, HT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

-. UNII 2A_SISO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 a (Middle Channel)	6 Mbps	16.66	16.24
	9 Mbps	16.60	16.00
	12 Mbps	16.50	15.97
	18 Mbps	16.47	15.95
	24 Mbps	16.40	15.92
	36 Mbps	16.24	15.90
	48 Mbps	16.33	15.91
	54 Mbps	16.24	15.83
802.11 n (HT 20) (Middle Channel)	MCS 0	16.92	15.95
	MCS 1	16.73	15.88
	MCS 2	16.78	15.89
	MCS 3	16.73	15.91
	MCS 4	16.65	15.88
	MCS 5	16.68	15.89
	MCS 6	16.64	15.88
	MCS 7	16.64	15.88
802.11ac (VHT 20) (Middle Channel)	MCS 0	16.38	15.61
	MCS 1	16.22	15.45
	MCS 2	16.26	15.49
	MCS 3	16.20	15.45
	MCS 4	16.15	15.42
	MCS 5	16.12	15.40
	MCS 6	16.21	15.49
	MCS 7	16.08	15.37
	MCS 8	16.09	15.39

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Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11n (HT 40) (Low Channel)	MCS 0	15.80	15.47
	MCS 1	15.72	15.36
	MCS 2	15.67	15.29
	MCS 3	15.71	15.25
	MCS 4	15.72	15.24
	MCS 5	15.67	15.23
	MCS 6	15.62	15.20
	MCS 7	15.62	15.15
802.11 ac (VHT 40) (Low Channel)	MCS 0	15.68	15.93
	MCS 1	15.58	15.84
	MCS 2	15.54	15.80
	MCS 3	15.49	15.71
	MCS 4	15.58	15.78
	MCS 5	15.56	15.71
	MCS 6	15.57	15.81
	MCS 7	15.56	15.71
	MCS 8	15.64	15.72
	MCS 9	15.48	15.63
802.11 ac (VHT 80)	MCS 0	12.34	11.92
	MCS 1	12.24	11.83
	MCS 2	12.22	11.79
	MCS 3	12.31	11.69
	MCS 4	12.14	11.62
	MCS 5	12.11	11.55
	MCS 6	12.20	11.65
	MCS 7	12.19	11.59
	MCS 8	12.17	11.62
	MCS 9	12.11	11.52

-. The worse case data rate for each modulation is determined 6 Mbps(Ant.0/Ant.1) for IEEE 802.11a, MCS 0(Ant.0/Ant.1) for HT20, VHT20, HT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

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-. UNII 2C_SISO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 a (Middle Channel)	6 Mbps	17.38	17.08
	9 Mbps	17.25	17.01
	12 Mbps	17.25	16.94
	18 Mbps	17.21	16.94
	24 Mbps	17.10	16.91
	36 Mbps	17.07	16.84
	48 Mbps	17.03	16.87
	54 Mbps	17.01	16.84
802.11 n (HT 20) (Middle Channel)	MCS 0	17.58	16.91
	MCS 1	17.42	16.83
	MCS 2	17.43	16.86
	MCS 3	17.45	16.85
	MCS 4	17.36	16.84
	MCS 5	17.37	16.81
	MCS 6	17.36	16.78
	MCS 7	17.34	16.83
802.11ac (VHT 20) (Middle Channel)	MCS 0	17.03	16.49
	MCS 1	16.78	16.41
	MCS 2	16.82	16.43
	MCS 3	16.78	16.41
	MCS 4	16.73	16.39
	MCS 5	16.71	16.46
	MCS 6	16.83	16.45
	MCS 7	16.74	16.36
	MCS 8	16.71	16.35

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Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11n (HT 40) (Middle Channel)	MCS 0	16.98	16.35
	MCS 1	16.87	16.25
	MCS 2	16.84	16.23
	MCS 3	16.84	16.20
	MCS 4	16.83	16.18
	MCS 5	16.80	16.12
	MCS 6	16.74	16.15
	MCS 7	16.75	16.12
802.11 ac (VHT 40) (Middle Channel)	MCS 0	16.75	16.68
	MCS 1	16.70	16.56
	MCS 2	16.64	16.60
	MCS 3	16.67	16.59
	MCS 4	16.61	16.60
	MCS 5	16.64	16.53
	MCS 6	16.65	16.51
	MCS 7	16.61	16.50
	MCS 8	16.64	16.53
	MCS 9	16.62	16.49
802.11 ac (VHT 80)	MCS 0	14.32	13.83
	MCS 1	14.25	13.63
	MCS 2	14.21	13.60
	MCS 3	14.23	13.58
	MCS 4	14.15	13.53
	MCS 5	14.05	13.46
	MCS 6	14.15	13.53
	MCS 7	14.10	13.46
	MCS 8	14.05	13.48
	MCS 9	14.02	13.43

-. The worse case data rate for each modulation is determined 6 Mbps(Ant.0/Ant.1) for IEEE 802.11a, MCS 0(Ant.0/Ant.1) for HT20, VHT20, HT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

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-. UNII 3_SISO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 a (Middle Channel)	6 Mbps	18.58	18.45
	9 Mbps	18.45	18.32
	12 Mbps	18.41	18.30
	18 Mbps	18.48	18.31
	24 Mbps	18.35	18.23
	36 Mbps	18.23	18.18
	48 Mbps	18.28	18.18
	54 Mbps	18.25	18.15
802.11 n (HT 20) (Middle Channel)	MCS 0	18.61	18.15
	MCS 1	18.54	18.04
	MCS 2	18.52	18.12
	MCS 3	18.47	18.07
	MCS 4	18.44	18.10
	MCS 5	18.42	18.11
	MCS 6	18.44	18.09
	MCS 7	18.37	18.04
802.11ac (VHT 20) (Middle Channel)	MCS 0	18.26	17.90
	MCS 1	18.12	17.73
	MCS 2	18.14	17.78
	MCS 3	18.11	17.73
	MCS 4	18.09	17.72
	MCS 5	18.10	17.69
	MCS 6	18.11	17.73
	MCS 7	18.04	17.69
	MCS 8	18.10	17.69

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11n (HT 40) (Middle Channel)	MCS 0	18.28	17.88
	MCS 1	18.18	17.74
	MCS 2	18.12	17.69
	MCS 3	18.10	17.71
	MCS 4	18.07	17.72
	MCS 5	18.05	17.64
	MCS 6	18.07	17.69
	MCS 7	17.92	17.61
802.11 ac (VHT 40) (Middle Channel)	MCS 0	18.23	18.06
	MCS 1	18.16	18.01
	MCS 2	18.11	17.93
	MCS 3	18.13	17.91
	MCS 4	18.15	18.00
	MCS 5	18.08	17.96
	MCS 6	18.10	17.97
	MCS 7	18.06	17.92
	MCS 8	18.13	17.97
	MCS 9	18.09	17.96
802.11 ac (VHT 80)	MCS 0	17.68	17.41
	MCS 1	17.61	17.22
	MCS 2	17.59	17.23
	MCS 3	17.51	17.22
	MCS 4	17.49	17.13
	MCS 5	17.44	16.97
	MCS 6	17.46	17.17
	MCS 7	17.41	17.10
	MCS 8	17.41	17.14
	MCS 9	17.39	17.04

-. The worse case data rate for each modulation is determined 6 Mbps(Ant.0/Ant.1) for IEEE 802.11a, MCS 0(Ant.0/Ant.1) for HT20, VHT20, HT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

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-. UNII 1_MIMO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 n (HT 20) (Middle Channel)	MCS 8	11.82	11.58
	MCS 9	11.66	11.45
	MCS 10	11.58	11.38
	MCS 11	11.55	11.39
	MCS 12	11.46	11.37
	MCS 13	11.37	11.26
	MCS 14	11.35	11.31
	MCS 15	11.30	11.26
802.11ac (VHT 20) (Middle Channel)	MCS 0	11.64	11.42
	MCS 1	11.50	11.29
	MCS 2	11.53	11.32
	MCS 3	11.49	11.21
	MCS 4	11.48	11.24
	MCS 5	11.46	11.19
	MCS 6	11.46	11.19
	MCS 7	11.46	11.20
	MCS 8	11.48	11.14
802.11n (HT 40) (Low Channel)	MCS 8	11.05	10.52
	MCS 9	10.87	10.35
	MCS 10	10.74	10.30
	MCS 11	10.67	10.30
	MCS 12	10.66	10.34
	MCS 13	10.57	10.37
	MCS 14	10.66	10.33
	MCS 15	10.50	10.30

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 ac (VHT 40) (Low Channel)	MCS 0	11.51	11.21
	MCS 1	11.47	11.13
	MCS 2	11.39	11.08
	MCS 3	11.32	11.08
	MCS 4	11.29	11.12
	MCS 5	11.28	11.03
	MCS 6	11.35	11.09
	MCS 7	11.29	11.01
	MCS 8	11.27	10.98
	MCS 9	11.22	10.95
802.11 ac (VHT 80)	MCS 0	8.26	8.16
	MCS 1	7.83	7.96
	MCS 2	7.63	7.74
	MCS 3	7.44	7.66
	MCS 4	7.75	7.89
	MCS 5	7.51	7.75
	MCS 6	7.48	7.65
	MCS 7	7.39	7.57
	MCS 8	7.31	7.51
	MCS 9	7.33	7.52

-. The worse case data rate for each modulation is determined MCS 8(Ant.0/Ant.1) for HT20, HT40, MCS 0(Ant.0/Ant.1) for VHT20, VHT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

-. UNII 2A_MIMO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 n (HT 20) (Middle Channel)	MCS 8	12.38	11.48
	MCS 9	12.19	11.41
	MCS 10	12.24	11.42
	MCS 11	12.19	11.44
	MCS 12	12.11	11.41
	MCS 13	12.14	11.42
	MCS 14	12.10	11.41
	MCS 15	12.10	11.41
802.11ac (VHT 20) (Middle Channel)	MCS 0	12.17	11.38
	MCS 1	12.01	11.22
	MCS 2	12.05	11.26
	MCS 3	11.99	11.22
	MCS 4	11.94	11.19
	MCS 5	11.91	11.17
	MCS 6	12.00	11.26
	MCS 7	11.87	11.14
	MCS 8	11.88	11.16
802.11n (HT 40) (Low Channel)	MCS 8	11.28	11.04
	MCS 9	11.20	10.93
	MCS 10	11.15	10.86
	MCS 11	11.19	10.82
	MCS 12	11.20	10.81
	MCS 13	11.15	10.80
	MCS 14	11.10	10.77
	MCS 15	11.10	10.72

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Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 ac (VHT 40) (Low Channel)	MCS 0	11.66	11.54
	MCS 1	11.56	11.45
	MCS 2	11.52	11.41
	MCS 3	11.47	11.32
	MCS 4	11.56	11.39
	MCS 5	11.54	11.32
	MCS 6	11.55	11.42
	MCS 7	11.54	11.32
	MCS 8	11.62	11.33
	MCS 9	11.46	11.24
802.11 ac (VHT 80)	MCS 0	8.77	8.41
	MCS 1	8.34	8.21
	MCS 2	8.14	7.99
	MCS 3	8.15	7.91
	MCS 4	8.36	8.04
	MCS 5	8.02	8.00
	MCS 6	8.03	7.90
	MCS 7	8.10	7.90
	MCS 8	8.02	7.76
	MCS 9	8.04	7.77

-. The worse case data rate for each modulation is determined MCS 8(Ant.0/Ant.1) for HT20, HT40, MCS 0(Ant.0/Ant.1) for VHT20, VHT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

-. UNII 2C_MIMO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 n (HT 20) (Middle Channel)	MCS 8	12.98	12.51
	MCS 9	12.82	12.43
	MCS 10	12.83	12.46
	MCS 11	12.85	12.45
	MCS 12	12.76	12.44
	MCS 13	12.77	12.41
	MCS 14	12.76	12.38
	MCS 15	12.74	12.43
802.11ac (VHT 20) (Middle Channel)	MCS 0	12.48	12.48
	MCS 1	12.23	12.40
	MCS 2	12.27	12.42
	MCS 3	12.23	12.40
	MCS 4	12.18	12.38
	MCS 5	12.16	12.45
	MCS 6	12.28	12.44
	MCS 7	12.19	12.35
	MCS 8	12.16	12.34
802.11n (HT 40) (Low Channel)	MCS 8	12.74	12.31
	MCS 9	12.63	12.21
	MCS 10	12.60	12.19
	MCS 11	12.60	12.16
	MCS 12	12.59	12.14
	MCS 13	12.56	12.08
	MCS 14	12.50	12.11
	MCS 15	12.51	12.08

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 ac (VHT 40) (Low Channel)	MCS 0	12.68	12.23
	MCS 1	12.63	12.11
	MCS 2	12.57	12.15
	MCS 3	12.60	12.14
	MCS 4	12.54	12.15
	MCS 5	12.57	12.08
	MCS 6	12.58	12.06
	MCS 7	12.54	12.05
	MCS 8	12.57	12.08
	MCS 9	12.55	12.04
802.11 ac (VHT 80)	MCS 0	9.87	9.33
	MCS 1	9.44	9.08
	MCS 2	9.24	8.92
	MCS 3	9.25	8.82
	MCS 4	9.46	8.93
	MCS 5	9.22	8.95
	MCS 6	9.23	8.92
	MCS 7	9.20	8.78
	MCS 8	9.81	8.66
	MCS 9	9.23	8.72

-. The worse case data rate for each modulation is determined MCS 8(Ant.0/Ant.1) for HT20, HT40, MCS 0(Ant.0/Ant.1) for VHT20, VHT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

-. UNII 3_MIMO

Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 n (HT 20) (Middle Channel)	MCS 8	13.98	13.80
	MCS 9	13.91	13.69
	MCS 10	13.89	13.77
	MCS 11	13.84	13.72
	MCS 12	13.81	13.75
	MCS 13	13.79	13.76
	MCS 14	13.81	13.74
	MCS 15	13.74	13.69
802.11ac (VHT 20) (Middle Channel)	MCS 0	13.91	13.73
	MCS 1	13.77	13.56
	MCS 2	13.79	13.61
	MCS 3	13.76	13.56
	MCS 4	13.74	13.55
	MCS 5	13.75	13.52
	MCS 6	13.76	13.56
	MCS 7	13.69	13.52
	MCS 8	13.75	13.52
802.11n (HT 40) (Low Channel)	MCS 8	13.79	13.52
	MCS 9	13.69	13.38
	MCS 10	13.63	13.33
	MCS 11	13.61	13.35
	MCS 12	13.58	13.36
	MCS 13	13.56	13.28
	MCS 14	13.58	13.33
	MCS 15	13.43	13.25

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Modulation	DATA RATE	OUTPUT POWER[dBm]	
		Antenna 0	Antenna 1
802.11 ac (VHT 40) (Low Channel)	MCS 0	13.87	13.52
	MCS 1	13.80	13.47
	MCS 2	13.75	13.39
	MCS 3	13.77	13.37
	MCS 4	13.79	13.46
	MCS 5	13.72	13.42
	MCS 6	13.74	13.43
	MCS 7	13.70	13.38
	MCS 8	13.77	13.43
	MCS 9	13.73	13.42
802.11 ac (VHT 80)	MCS 0	13.33	13.10
	MCS 1	12.90	12.91
	MCS 2	12.70	12.69
	MCS 3	12.71	12.65
	MCS 4	12.92	12.54
	MCS 5	12.62	12.62
	MCS 6	12.59	12.59
	MCS 7	12.56	12.45
	MCS 8	12.55	12.33
	MCS 9	12.58	12.39

-. The worse case data rate for each modulation is determined MCS 8(Ant.0/Ant.1) for HT20, HT40, MCS 0(Ant.0/Ant.1) for VHT20, VHT40, VHT80.

-. To get a maximum emission levels from the EUT, the EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis.

-. Duty Cycle

	Band	Mode	Tx On Time [ms]	Tx Off Time [ms]	Duty Cycle [%]	Correction Factor [dB]
Antenna 1	UNII 1	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
	UNII 2A	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
	UNII 2C	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
	UNII 3	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-

	Band	Mode	Tx On Time [ms]	Tx Off Time [ms]	Duty Cycle [%]	Correction Factor [dB]
Antenna 2	UNII 1	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
	UNII 2A	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
	UNII 2C	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
	UNII 3	802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-
Staddle		802.11 a	-	-	100.00	-
		802.11 HT 20	-	-	100.00	-
		802.11 VHT 20	-	-	100.00	-
		802.11 HT 40	-	-	100.00	-
		802.11 VHT 40	-	-	100.00	-
		802.11 VHT 80	-	-	100.00	-

Note – Duty Cycle: (Tx On Time / (Tx On Time + Tx Off Time)) * 100

Correction Factor: 10 * Log(1 / (Duty Cycle / 100))

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5.4 Configuration of Test System

Line Conducted Test: The EUT was connected to an AC power source. All supporting equipments were connected to another LISN. Preliminary Power line Conducted Emission test was performed by using the procedure in ANSI C63.10: 2020 to determine the worse operating conditions.

Radiated Emission Test: Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10: 2020 to determine the worse operating conditions. Final radiated emission tests were conducted at 3 meter Semi Anechoic Chamber.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.

5.5 Antenna Requirement

For intentional device, according to section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Construction:

The EUT's antenna is a permanently attached Dipole antenna and PCB antenna, not designed for user replacement

6. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10: 2020.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence.

The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Output Power	0.90
Conducted Spurious Emission < 26.5 GHz	1.40
Power Spectral Density	1.22
Line Conducted Emission (150 kHz ~ 30 MHz)	2.00
Radiated Emission (9 kHz ~ 30 MHz)	3.28
Radiated Emission (30 MHz ~ 1 GHz)	4.42
Radiated Emission (1 GHz ~ 18 GHz)	5.12
Radiated Emission (18 GHz ~ 40 GHz)	5.55

7. PRELIMINARY TEST

7.1 AC Power line Conducted Emissions Tests

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)
Transmitting Mode	X

7.2 General Radiated Emissions Tests

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)
Transmitting Mode	X

7.3 Test Basic model & Option 1 Model

All tests were completed on the basic model, and Option 1 was subjected to additional worst-case testing as detailed below.

-. Option1 Model

Test Item.	Band	The Worse operating condition	
		SISO	MIMO
Radiated Restricted Band & Radiated Spurious Emission	UNII1	802.11 ac VHT40_ANT1	802.11 ac_VHT40
	UNII2A	802.11 n_HT40_ANT1	802.11 n_HT40
	UNII2C	802.11 ac_VHT40_ANT1	802.11 ac_VHT40
	UNII 3	802.11 ac_VHT40_ANT1	802.11 ac_VHT40

8. MIMIMUM 26 dB BANDWIDTH

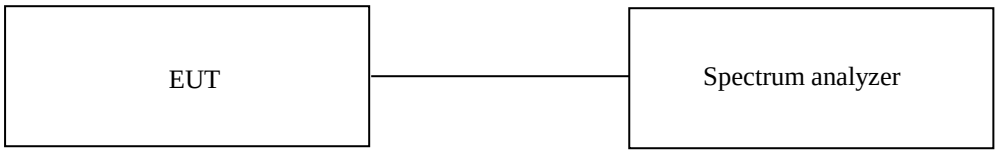
8.1 Operating environment

Temperature : 22 °C

Relative humidity : 41 % R.H.

8.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, and peak detection was used. The 26 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 26 dB.



8.3 Test Date

May 07, 2025 ~ June 05, 2025

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8.4 Test data for 802.11a RLAN Mode

8.4.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.53
	Middle	5 220.00	19.48
	High	5 240.00	19.58
5 250 ~ 5 350	Low	5 260.00	18.43
	Middle	5 300.00	18.53
	High	5 320.00	18.48
5 470 ~ 5 725	Low	5 500.00	18.43
	Middle	5 580.00	18.38
	High	5 700.00	18.48
5 725 ~ 5 850	Low	5 745.00	18.43
	Middle	5 785.00	18.43
	High	5 825.00	18.53

8.4.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	18.43
	Middle	5 220.00	18.48
	High	5 240.00	18.53
5 250 ~ 5 350	Low	5 260.00	18.48
	Middle	5 300.00	18.48
	High	5 320.00	18.48
5 470 ~ 5 725	Low	5 500.00	18.48
	Middle	5 580.00	18.43
	High	5 700.00	18.48
5 725 ~ 5 850	Low	5 745.00	18.43
	Middle	5 785.00	18.43
	High	5 825.00	18.48

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8.4.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.29
5 725 ~ 5 850	5 720.00	4.14

8.4.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.24
5 725 ~ 5 850	5 720.00	4.14

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8.5 Test data for 802.11n_HT20 RLAN Mode

8.5.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.48
	Middle	5 220.00	19.53
	High	5 240.00	19.53
5 250 ~ 5 350	Low	5 260.00	19.53
	Middle	5 300.00	19.48
	High	5 320.00	19.48
5 470 ~ 5 725	Low	5 500.00	19.53
	Middle	5 580.00	19.48
	High	5 700.00	19.43
5 725 ~ 5 850	Low	5 745.00	19.48
	Middle	5 785.00	19.48
	High	5 825.00	19.48

8.5.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.43
	Middle	5 220.00	19.48
	High	5 240.00	19.53
5 250 ~ 5 350	Low	5 260.00	19.43
	Middle	5 300.00	19.53
	High	5 320.00	19.43
5 470 ~ 5 725	Low	5 500.00	19.43
	Middle	5 580.00	19.43
	High	5 700.00	19.43
5 725 ~ 5 850	Low	5 745.00	19.53
	Middle	5 785.00	19.53
	High	5 825.00	19.53

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8.5.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.69
5 725 ~ 5 850	5 720.00	4.74

8.5.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.74
5 725 ~ 5 850	5 720.00	4.74

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8.5.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.53
	Middle	5 220.00	19.53
	High	5 240.00	19.58
5 250 ~ 5 350	Low	5 260.00	19.53
	Middle	5 300.00	19.53
	High	5 320.00	19.53
5 470 ~ 5 725	Low	5 500.00	19.53
	Middle	5 580.00	19.58
	High	5 700.00	19.58
5 725 ~ 5 850	Low	5 745.00	19.53
	Middle	5 785.00	19.58
	High	5 825.00	19.53

8.5.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.38
	Middle	5 220.00	19.38
	High	5 240.00	19.43
5 250 ~ 5 350	Low	5 260.00	19.38
	Middle	5 300.00	19.38
	High	5 320.00	19.48
5 470 ~ 5 725	Low	5 500.00	19.38
	Middle	5 580.00	19.43
	High	5 700.00	19.38
5 725 ~ 5 850	Low	5 745.00	19.38
	Middle	5 785.00	19.43
	High	5 825.00	19.43

8.5.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.69
5 725 ~ 5 850	5 720.00	4.84

8.5.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.69
5 725 ~ 5 850	5 720.00	4.74

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8.6 Test data for 802.11n_HT40 RLAN Mode

8.6.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	41.56
	High	5 230.00	41.36
5 250 ~ 5 350	Low	5 270.00	41.46
	High	5 310.00	41.56
5 470 ~ 5 725	Low	5 510.00	41.36
	Middle	5 550.00	41.46
	High	5 670.00	41.66
5 725 ~ 5 850	Low	5 755.00	41.56
	High	5 795.00	41.66

8.6.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	41.36
	High	5 230.00	41.36
5 250 ~ 5 350	Low	5 270.00	41.66
	High	5 310.00	41.76
5 470 ~ 5 725	Low	5 510.00	41.66
	Middle	5 550.00	41.56
	High	5 670.00	41.76
5 725 ~ 5 850	Low	5 755.00	41.26
	High	5 795.00	41.46

8.6.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.58
5 725 ~ 5 850	5 710.00	5.78

8.6.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.68
5 725 ~ 5 850	5 710.00	5.78

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8.6.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	41.26
	High	5 230.00	41.46
5 250 ~ 5 350	Low	5 270.00	41.46
	High	5 310.00	41.06
5 470 ~ 5 725	Low	5 510.00	41.86
	Middle	5 550.00	41.76
	High	5 670.00	41.16
5 725 ~ 5 850	Low	5 755.00	41.26
	High	5 795.00	41.66

8.6.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	40.46
	High	5 230.00	40.26
5 250 ~ 5 350	Low	5 270.00	40.26
	High	5 310.00	40.16
5 470 ~ 5 725	Low	5 510.00	40.26
	Middle	5 550.00	40.46
	High	5 670.00	40.36
5 725 ~ 5 850	Low	5 755.00	40.26
	High	5 795.00	40.56

8.6.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.78
5 725 ~ 5 850	5 710.00	5.48

8.6.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	34.98
5 725 ~ 5 850	5 710.00	5.38

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8.7 Test data for 802.11ac_VHT20 RLAN Mode

8.7.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.48
	Middle	5 220.00	19.53
	High	5 240.00	19.53
5 250 ~ 5 350	Low	5 260.00	19.48
	Middle	5 300.00	19.58
	High	5 320.00	19.48
5 470 ~ 5 725	Low	5 500.00	19.53
	Middle	5 580.00	19.48
	High	5 700.00	19.53
5 725 ~ 5 850	Low	5 745.00	19.48
	Middle	5 785.00	19.48
	High	5 825.00	19.58

8.7.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.53
	Middle	5 220.00	19.48
	High	5 240.00	19.48
5 250 ~ 5 350	Low	5 260.00	19.53
	Middle	5 300.00	19.53
	High	5 320.00	19.53
5 470 ~ 5 725	Low	5 500.00	19.53
	Middle	5 580.00	19.48
	High	5 700.00	19.53
5 725 ~ 5 850	Low	5 745.00	19.53
	Middle	5 785.00	19.53
	High	5 825.00	19.58

8.7.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.74
5 725 ~ 5 850	5 720.00	4.79

8.7.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.74
5 725 ~ 5 850	5 720.00	4.84

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8.7.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.58
	Middle	5 220.00	19.48
	High	5 240.00	19.53
5 250 ~ 5 350	Low	5 260.00	19.53
	Middle	5 300.00	19.48
	High	5 320.00	19.48
5 470 ~ 5 725	Low	5 500.00	19.53
	Middle	5 580.00	19.58
	High	5 700.00	19.58
5 725 ~ 5 850	Low	5 745.00	19.53
	Middle	5 785.00	19.58
	High	5 825.00	19.53

8.7.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 180.00	19.38
	Middle	5 220.00	19.43
	High	5 240.00	19.43
5 250 ~ 5 350	Low	5 260.00	19.38
	Middle	5 300.00	19.43
	High	5 320.00	19.38
5 470 ~ 5 725	Low	5 500.00	19.38
	Middle	5 580.00	19.33
	High	5 700.00	19.38
5 725 ~ 5 850	Low	5 745.00	19.48
	Middle	5 785.00	19.38
	High	5 825.00	19.33

8.7.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.74
5 725 ~ 5 850	5 720.00	4.84

8.7.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	14.69
5 725 ~ 5 850	5 720.00	4.79

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8.8 Test data for 802.11ac_VHT40 RLAN Mode

8.8.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	41.36
	High	5 230.00	41.56
5 250 ~ 5 350	Low	5 270.00	41.36
	High	5 310.00	40.96
5 470 ~ 5 725	Low	5 510.00	41.46
	Middle	5 550.00	41.36
	High	5 670.00	41.86
5 725 ~ 5 850	Low	5 755.00	41.46
	High	5 795.00	41.26

8.8.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	41.56
	High	5 230.00	41.06
5 250 ~ 5 350	Low	5 270.00	41.46
	High	5 310.00	41.56
5 470 ~ 5 725	Low	5 510.00	41.56
	Middle	5 550.00	41.46
	High	5 670.00	41.56
5 725 ~ 5 850	Low	5 755.00	41.36
	High	5 795.00	41.56

8.8.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.78
5 725 ~ 5 850	5 710.00	5.68

8.8.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.58
5 725 ~ 5 850	5 710.00	5.98

8.8.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	41.16
	High	5 230.00	41.86
5 250 ~ 5 350	Low	5 270.00	41.76
	High	5 310.00	41.36
5 470 ~ 5 725	Low	5 510.00	41.25
	Middle	5 550.00	41.56
	High	5 670.00	41.86
5 725 ~ 5 850	Low	5 755.00	41.66
	High	5 795.00	41.56

8.8.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Low	5 190.00	40.26
	High	5 230.00	40.36
5 250 ~ 5 350	Low	5 270.00	40.56
	High	5 310.00	40.56
5 470 ~ 5 725	Low	5 510.00	40.26
	Middle	5 550.00	40.16
	High	5 670.00	40.56
5 725 ~ 5 850	Low	5 755.00	40.66
	High	5 795.00	40.76

8.8.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.48
5 725 ~ 5 850	5 710.00	5.58

8.8.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	35.08
5 725 ~ 5 850	5 710.00	5.38

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8.9 Test data for 802.11ac_VHT80 RLAN Mode

8.9.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Middle	5 210.00	81.12
5 250 ~ 5 350	Middle	5 290.00	81.32
5 470 ~ 5 725	Middle	5 530.00	81.32
5 725 ~ 5 850	Middle	5 775.00	81.92

8.9.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Middle	5 210.00	81.92
5 250 ~ 5 350	Middle	5 290.00	81.32
5 470 ~ 5 725	Middle	5 530.00	81.92
5 725 ~ 5 850	Middle	5 775.00	81.92

8.9.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	75.56
5 725 ~ 5 850	5 690.00	5.36

8.9.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	76.16
5 725 ~ 5 850	5 690.00	5.96

8.9.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Middle	5 210.00	82.12
5 250 ~ 5 350	Middle	5 290.00	80.92
5 470 ~ 5 725	Middle	5 530.00	81.52
5 725 ~ 5 850	Middle	5 775.00	81.72

8.9.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 150 ~ 5 250	Middle	5 210.00	81.72
5 250 ~ 5 350	Middle	5 290.00	81.52
5 470 ~ 5 725	Middle	5 530.00	80.92
5 725 ~ 5 850	Middle	5 775.00	80.92

8.9.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	75.76
5 725 ~ 5 850	5 690.00	5.56

8.9.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	26 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	75.16
5 725 ~ 5 850	5 690.00	5.56

9. 6 dB BANDWIDTH

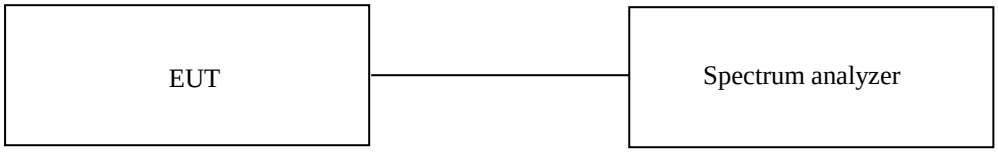
9.1 Operating environment

Temperature : 22 °C

Relative humidity : 41 % R.H.

9.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, and peak detection was used. The 6 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 6 dB.



9.3 Test Date

May 07, 2025 ~ June 05, 2025

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9.4 Test data for 802.11a RLAN Mode

9.4.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	16.48
	Middle	5 785.00	16.48
	High	5 825.00	16.48

9.4.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	16.48
	Middle	5 785.00	16.48
	High	5 825.00	16.48

9.4.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.24
5 725 ~ 5 850	5 720.00	3.24

9.4.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.24
5 725 ~ 5 850	5 720.00	3.24

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9.5 Test data for 802.11n_HT 20 RLAN Mode

9.5.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.5.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.5.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.84
5 725 ~ 5 850	5 720.00	3.84

9.5.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.84
5 725 ~ 5 850	5 720.00	3.84

9.5.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.5.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.63

9.5.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.79
5 725 ~ 5 850	5 720.00	3.89

9.5.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.79
5 725 ~ 5 850	5 720.00	3.84

9.6 Test data for 802.11n_HT40 RLAN Mode

9.6.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.56
	High	5 795.00	36.56

9.6.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.56
	High	5 795.00	36.56

9.6.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.28
5 725 ~ 5 850	5 710.00	3.28

9.6.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.28
5 725 ~ 5 850	5 710.00	3.28

9.6.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.56
	High	5 795.00	36.56

9.6.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.36
	High	5 795.00	36.46

9.6.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.18
5 725 ~ 5 850	5 710.00	3.28

9.6.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.18
5 725 ~ 5 850	5 710.00	3.28

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9.7 Test data for 802.11ac_VHT20 RLAN Mode

9.7.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.7.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.7.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.84
5 725 ~ 5 850	5 720.00	3.84

9.7.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.84
5 725 ~ 5 850	5 720.00	3.84

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9.7.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.7.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.68
	High	5 825.00	17.68

9.7.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.84
5 725 ~ 5 850	5 720.00	3.89

9.7.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 720.00	13.79
5 725 ~ 5 850	5 720.00	3.84

9.8 Test data for 802.11ac_VHT40 RLAN Mode

9.8.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.56
	High	5 795.00	36.56

9.8.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.56
	High	5 795.00	36.56

9.8.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.28
5 725 ~ 5 850	5 710.00	3.28

9.8.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.28
5 725 ~ 5 850	5 710.00	3.28

9.8.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.56
	High	5 795.00	36.56

9.8.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	36.36
	High	5 795.00	36.46

9.8.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.18
5 725 ~ 5 850	5 710.00	3.28

9.8.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 710.00	33.18
5 725 ~ 5 850	5 710.00	3.28

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9.9 Test data for 802.11ac_VHT80 RLAN Mode

9.9.1 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Middle	5 775.00	76.32

9.9.2 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Middle	5 775.00	76.32

9.9.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	73.16
5 725 ~ 5 850	5 690.00	3.16

9.9.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	73.16
5 725 ~ 5 850	5 690.00	3.16

9.9.5 Test data for MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Middle	5 775.00	76.32

9.9.6 Test data for MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Middle	5 775.00	76.32

9.9.7 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	73.16
5 725 ~ 5 850	5 690.00	3.16

9.9.8 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	6 dB Bandwidth (MHz)
5 470 ~ 5 725	5 690.00	73.16
5 725 ~ 5 850	5 690.00	3.16

10. MAXIMUM CONDUCTED OUTPUT POWER

10.1 Operating environment

Temperature : 22 °C

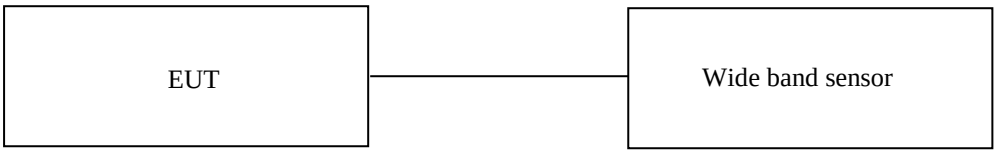
Relative humidity : 41 % R.H.

10.2 Test set-up

The maximum peak output power was measured with the wide band sensor connected to the antenna output of the EUT.

The Wide Band Sensor is measured when the EUT is transmitting at the appropriate center frequency its maximum power control level as described in Section E. 3.(KDB 789033 D02 General UNII Test Procedures New Rules v02r01).

Since this measurement is made only during the ON time of the transmitter, no duty cycle correction is required.



10.3 Test Date

May 07, 2025 ~ June 05, 2025

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10.4 Test data for 802.11a RLAN Mode

10.4.1 Test data for SISO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	15.81	24.00	8.19
	Middle	5 220.00	15.70	24.00	8.30
	High	5 240.00	15.27	24.00	8.73
5 250 ~ 5 350	Low	5 260.00	15.55	24.00	8.45
	Middle	5 300.00	16.66	24.00	7.34
	High	5 320.00	16.28	24.00	7.72
5 470 ~ 5 725	Low	5 500.00	17.18	24.00	6.82
	Middle	5 580.00	17.38	24.00	6.62
	High	5 700.00	18.09	24.00	5.91
5 725 ~ 5 850	Low	5 745.00	18.61	30.00	11.39
	Middle	5 785.00	18.58	30.00	11.42
	High	5 825.00	18.15	30.00	11.85

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.4.2 Test data for SISO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	15.97	24.00	8.03
	Middle	5 220.00	15.94	24.00	8.06
	High	5 240.00	15.84	24.00	8.16
5 250 ~ 5 350	Low	5 260.00	16.01	24.00	7.99
	Middle	5 300.00	16.24	24.00	7.76
	High	5 320.00	16.12	24.00	7.88
5 470 ~ 5 725	Low	5 500.00	16.58	24.00	7.42
	Middle	5 580.00	17.08	24.00	6.92
	High	5 700.00	16.38	24.00	7.62
5 725 ~ 5 850	Low	5 745.00	18.14	30.00	11.86
	Middle	5 785.00	18.45	30.00	11.55
	High	5 825.00	18.71	30.00	11.29

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.4.3 Test data for SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	14.82	24.00	9.18
5 725 ~ 5 825	5 720.00	8.54	30.00	21.46

10.4.4 Test data for SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	13.35	24.00	10.65
5 725 ~ 5 825	5 720.00	7.35	30.00	22.65

10.5 Test data for 802.11n_HT20 RLAN Mode

10.5.1 Test data for SISO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	15.98	24.00	8.02
	Middle	5 220.00	15.88	24.00	8.12
	High	5 240.00	15.46	24.00	8.54
5 250 ~ 5 350	Low	5 260.00	15.67	24.00	8.33
	Middle	5 300.00	16.92	24.00	7.08
	High	5 320.00	16.51	24.00	7.49
5 470 ~ 5 725	Low	5 500.00	17.34	24.00	6.66
	Middle	5 580.00	17.58	24.00	6.42
	High	5 700.00	18.14	24.00	5.86
5 725 ~ 5 850	Low	5 745.00	18.48	30.00	11.52
	Middle	5 785.00	18.61	30.00	11.39
	High	5 825.00	18.08	30.00	11.92

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.5.2 Test data for SISO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	15.53	24.00	8.47
	Middle	5 220.00	15.54	24.00	8.46
	High	5 240.00	15.51	24.00	8.49
5 250 ~ 5 350	Low	5 260.00	15.64	24.00	8.36
	Middle	5 300.00	15.95	24.00	8.05
	High	5 320.00	15.75	24.00	8.25
5 470 ~ 5 725	Low	5 500.00	16.32	24.00	7.68
	Middle	5 580.00	16.91	24.00	7.09
	High	5 700.00	16.14	24.00	7.86
5 725 ~ 5 850	Low	5 745.00	17.89	30.00	12.11
	Middle	5 785.00	18.15	30.00	11.85
	High	5 825.00	18.48	30.00	11.52

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.5.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	14.41	24.00	9.59
5 725 ~ 5 825	5 720.00	8.71	30.00	21.29

10.5.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	12.91	24.00	11.09
5 725 ~ 5 825	5 720.00	7.46	30.00	22.54

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10.5.5 Test data for MIMO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	11.82	24.00	12.18
	Middle	5 220.00	11.71	24.00	12.29
	High	5 240.00	11.03	24.00	12.97
5 250 ~ 5 350	Low	5 260.00	11.22	24.00	12.78
	Middle	5 300.00	12.38	24.00	11.62
	High	5 320.00	11.92	24.00	12.08
5 470 ~ 5 725	Low	5 500.00	12.94	24.00	11.06
	Middle	5 580.00	12.98	24.00	11.02
	High	5 700.00	13.47	24.00	10.53
5 725 ~ 5 850	Low	5 745.00	13.89	30.00	16.11
	Middle	5 785.00	13.98	30.00	16.02
	High	5 825.00	13.41	30.00	16.59

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.5.6 Test data for MIMO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	11.58	24.00	12.42
	Middle	5 220.00	11.57	24.00	12.43
	High	5 240.00	11.26	24.00	12.74
5 250 ~ 5 350	Low	5 260.00	11.30	24.00	12.70
	Middle	5 300.00	11.48	24.00	12.52
	High	5 320.00	11.28	24.00	12.72
5 470 ~ 5 725	Low	5 500.00	12.08	24.00	11.92
	Middle	5 580.00	12.51	24.00	11.49
	High	5 700.00	11.51	24.00	12.49
5 725 ~ 5 850	Low	5 745.00	13.60	30.00	16.40
	Middle	5 785.00	13.80	30.00	16.20
	High	5 825.00	14.07	30.00	15.93

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.6.7 Test data for Multiple Transmit

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	14.71	24.00	9.29
	High	5 220.00	14.65	24.00	9.35
5 250 ~ 5 350	Low	5 240.00	14.16	24.00	9.84
	High	5 260.00	14.27	24.00	9.73
5 470 ~ 5 725	Low	5 300.00	14.96	24.00	9.04
	Middle	5 320.00	14.62	24.00	9.38
	High	5 500.00	15.54	24.00	8.46
5 725 ~ 5 850	Low	5 580.00	15.76	24.00	8.24
	High	5 700.00	15.61	24.00	8.39

Remark 1: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna0 Output Power}/10)} + 10^{(\text{Antenna1 Output Power}/10)})$

10.5.8 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	8.06	24.00	15.94
5 725 ~ 5 825	5 720.00	2.38	30.00	27.62

10.5.9 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	7.02	24.00	16.98
5 725 ~ 5 825	5 720.00	1.63	30.00	28.37

10.5.10 Test data for Staddle Channel_Multiple Transmit

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	10.58	24.00	13.42
5 725 ~ 5 825	5 720.00	5.03	30.00	24.97

Remark 1: Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

10.6 Test data for 802.11n_HT40 RLAN Mode

10.6.1 Test data for SISO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	15.15	24.00	8.85
	High	5 230.00	15.32	24.00	8.68
5 250 ~ 5 350	Low	5 270.00	15.80	24.00	8.20
	High	5 310.00	15.69	24.00	8.31
5 470 ~ 5 725	Low	5 510.00	16.20	24.00	7.80
	Middle	5 550.00	16.98	24.00	7.02
	High	5 670.00	18.83	24.00	5.17
5 725 ~ 5 850	Low	5 755.00	18.28	30.00	11.72
	High	5 795.00	18.44	30.00	11.56

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.6.2 Test data for SISO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	14.56	24.00	9.44
	High	5 230.00	15.31	24.00	8.69
5 250 ~ 5 350	Low	5 270.00	15.47	24.00	8.53
	High	5 310.00	14.88	24.00	9.12
5 470 ~ 5 725	Low	5 510.00	15.07	24.00	8.93
	Middle	5 550.00	16.35	24.00	7.65
	High	5 670.00	16.73	24.00	7.27
5 725 ~ 5 850	Low	5 755.00	17.88	30.00	12.12
	High	5 795.00	18.19	30.00	11.81

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

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10.6.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	15.98	24.00	8.02
5 725 ~ 5 825	5 710.00	4.90	30.00	25.10

10.6.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	14.16	24.00	9.84
5 725 ~ 5 825	5 710.00	3.30	30.00	26.70

10.6.5 Test data for MIMO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	11.05	24.00	12.95
	High	5 230.00	11.05	24.00	12.95
5 250 ~ 5 350	Low	5 270.00	11.28	24.00	12.72
	High	5 310.00	12.08	24.00	11.92
5 470 ~ 5 725	Low	5 510.00	11.47	24.00	12.53
	Middle	5 550.00	12.74	24.00	11.26
	High	5 670.00	14.25	24.00	9.75
5 725 ~ 5 850	Low	5 755.00	13.79	30.00	16.21
	High	5 795.00	13.78	30.00	16.22

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.6.6 Test data for MIMO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	10.52	24.00	13.48
	High	5 230.00	11.02	24.00	12.98
5 250 ~ 5 350	Low	5 270.00	11.04	24.00	12.96
	High	5 310.00	11.25	24.00	12.75
5 470 ~ 5 725	Low	5 510.00	10.77	24.00	13.23
	Middle	5 550.00	12.31	24.00	11.69
	High	5 670.00	12.51	24.00	11.49
5 725 ~ 5 850	Low	5 755.00	13.52	30.00	16.48
	High	5 795.00	13.76	30.00	16.24

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

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10.6.7 Test data for Multiple Transmit

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	13.80	24.00	10.20
	High	5 230.00	14.05	24.00	9.95
5 250 ~ 5 350	Low	5 270.00	14.17	24.00	9.83
	High	5 310.00	14.70	24.00	9.30
5 470 ~ 5 725	Low	5 510.00	14.14	24.00	9.86
	Middle	5 550.00	15.54	24.00	8.46
	High	5 670.00	16.48	24.00	7.52
5 725 ~ 5 850	Low	5 755.00	16.67	30.00	13.33
	High	5 795.00	16.78	30.00	13.22

Remark 1: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log (10^{(\text{Antenna0 Output Power}/10)} + 10^{(\text{Antenna1 Output Power}/10)})$

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10.6.8 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	9.56	24.00	14.44
5 725 ~ 5 825	5 710.00	-1.57	30.00	31.57

10.6.9 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	8.14	24.00	15.86
5 725 ~ 5 825	5 710.00	-2.48	30.00	32.48

10.6.10 Test data for Staddle Channel_Multiple Transmit

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	11.92	24.00	12.08
5 725 ~ 5 825	5 710.00	1.01	30.00	28.99

Remark 1: Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

10.7 Test data for 802.11ac_VHT20 RLAN Mode

10.7.1 Test data for SISO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	15.34	24.00	8.66
	Middle	5 220.00	15.27	24.00	8.73
	High	5 240.00	14.87	24.00	9.13
5 250 ~ 5 350	Low	5 260.00	15.14	24.00	8.86
	Middle	5 300.00	16.38	24.00	7.62
	High	5 320.00	16.02	24.00	7.98
5 470 ~ 5 725	Low	5 500.00	16.72	24.00	7.28
	Middle	5 580.00	17.03	24.00	6.97
	High	5 700.00	17.64	24.00	6.36
5 725 ~ 5 850	Low	5 745.00	18.04	30.00	11.96
	Middle	5 785.00	18.26	30.00	11.74
	High	5 825.00	17.72	30.00	12.28

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.7.2 Test data for SISO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	15.20	24.00	8.80
	Middle	5 220.00	15.24	24.00	8.76
	High	5 240.00	15.26	24.00	8.74
5 250 ~ 5 350	Low	5 260.00	15.38	24.00	8.62
	Middle	5 300.00	15.61	24.00	8.39
	High	5 320.00	15.48	24.00	8.52
5 470 ~ 5 725	Low	5 500.00	15.83	24.00	8.17
	Middle	5 580.00	16.49	24.00	7.51
	High	5 700.00	15.74	24.00	8.26
5 725 ~ 5 850	Low	5 745.00	17.56	30.00	12.44
	Middle	5 785.00	17.90	30.00	12.10
	High	5 825.00	18.14	30.00	11.86

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.7.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	14.52	24.00	9.48
5 725 ~ 5 825	5 720.00	8.78	30.00	21.22

10.7.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	13.08	24.00	10.92
5 725 ~ 5 825	5 720.00	7.60	30.00	22.40

10.7.5 Test data for MIMO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	11.64	24.00	12.36
	Middle	5 220.00	11.84	24.00	12.16
	High	5 240.00	11.05	24.00	12.95
5 250 ~ 5 350	Low	5 260.00	11.14	24.00	12.86
	Middle	5 300.00	12.17	24.00	11.83
	High	5 320.00	11.49	24.00	12.51
5 470 ~ 5 725	Low	5 500.00	12.35	24.00	11.65
	Middle	5 580.00	12.48	24.00	11.52
	High	5 700.00	13.24	24.00	10.76
5 725 ~ 5 850	Low	5 745.00	13.82	30.00	16.18
	Middle	5 785.00	13.91	30.00	16.09
	High	5 825.00	13.29	30.00	16.71

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

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10.7.6 Test data for MIMO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	11.42	24.00	12.58
	Middle	5 220.00	11.41	24.00	12.59
	High	5 240.00	11.33	24.00	12.67
5 250 ~ 5 350	Low	5 260.00	11.31	24.00	12.69
	Middle	5 300.00	11.38	24.00	12.62
	High	5 320.00	11.30	24.00	12.70
5 470 ~ 5 725	Low	5 500.00	12.00	24.00	12.00
	Middle	5 580.00	12.48	24.00	11.52
	High	5 700.00	11.47	24.00	12.53
5 725 ~ 5 850	Low	5 745.00	13.45	30.00	16.55
	Middle	5 785.00	13.73	30.00	16.27
	High	5 825.00	13.91	30.00	16.09

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.7.7 Test data for Multiple Transmit

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	14.54	24.00	9.46
	High	5 220.00	14.64	24.00	9.36
5 250 ~ 5 350	Low	5 240.00	14.20	24.00	9.80
	High	5 260.00	14.24	24.00	9.76
5 470 ~ 5 725	Low	5 300.00	14.80	24.00	9.20
	Middle	5 320.00	14.41	24.00	9.59
	High	5 500.00	15.19	24.00	8.81
5 725 ~ 5 850	Low	5 580.00	15.49	24.00	8.51
	High	5 700.00	15.45	24.00	8.55

Remark 1: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna0 Output Power}/10)} + 10^{(\text{Antenna1 Output Power}/10)})$

10.7.8 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	8.43	24.00	15.57
5 725 ~ 5 825	5 720.00	2.70	30.00	27.30

10.7.9 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	6.91	24.00	17.09
5 725 ~ 5 825	5 720.00	1.53	30.00	28.47

10.7.10 Test data for Staddle Channel_Multiple Transmit

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	10.75	24.00	13.25
5 725 ~ 5 825	5 720.00	5.16	30.00	24.84

Remark 1: Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

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10.8 Test data for 802.11ac_VHT40 RLAN Mode

10.8.1 Test data for SISO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	15.28	24.00	8.72
	High	5 230.00	15.28	24.00	8.72
5 250 ~ 5 350	Low	5 270.00	15.68	24.00	8.32
	High	5 310.00	15.63	24.00	8.37
5 470 ~ 5 725	Low	5 510.00	16.03	24.00	7.97
	Middle	5 550.00	16.75	24.00	7.25
	High	5 670.00	18.66	24.00	5.34
5 725 ~ 5 850	Low	5 755.00	18.23	30.00	11.77
	High	5 795.00	18.35	30.00	11.65

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.8.2 Test data for SISO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	15.19	24.00	8.81
	High	5 230.00	15.73	24.00	8.27
5 250 ~ 5 350	Low	5 270.00	15.93	24.00	8.07
	High	5 310.00	15.29	24.00	8.71
5 470 ~ 5 725	Low	5 510.00	15.45	24.00	8.55
	Middle	5 550.00	16.68	24.00	7.32
	High	5 670.00	16.92	24.00	7.08
5 725 ~ 5 850	Low	5 755.00	18.06	30.00	11.94
	High	5 795.00	18.42	30.00	11.58

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

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10.8.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	16.09	24.00	7.91
5 725 ~ 5 825	5 710.00	4.86	30.00	25.14

10.8.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	13.99	24.00	10.01
5 725 ~ 5 825	5 710.00	3.27	30.00	26.73

10.8.5 Test data for MIMO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	11.51	24.00	12.49
	High	5 230.00	11.32	24.00	12.68
5 250 ~ 5 350	Low	5 270.00	11.66	24.00	12.34
	High	5 310.00	12.13	24.00	11.87
5 470 ~ 5 725	Low	5 510.00	11.75	24.00	12.25
	Middle	5 550.00	12.68	24.00	11.32
	High	5 670.00	14.48	24.00	9.52
5 725 ~ 5 850	Low	5 755.00	13.87	30.00	16.13
	High	5 795.00	13.86	30.00	16.14

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.8.6 Test data for MIMO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	11.22	24.00	12.78
	High	5 230.00	11.33	24.00	12.67
5 250 ~ 5 350	Low	5 270.00	11.54	24.00	12.46
	High	5 310.00	11.46	24.00	12.54
5 470 ~ 5 725	Low	5 510.00	11.03	24.00	12.97
	Middle	5 550.00	12.23	24.00	11.77
	High	5 670.00	12.57	24.00	11.43
5 725 ~ 5 850	Low	5 755.00	13.52	30.00	16.48
	High	5 795.00	13.84	30.00	16.16

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

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10.8.7 Test data for Multiple Transmit

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	14.38	24.00	9.62
	High	5 230.00	14.34	24.00	9.66
5 250 ~ 5 350	Low	5 270.00	14.61	24.00	9.39
	High	5 310.00	14.82	24.00	9.18
5 470 ~ 5 725	Low	5 510.00	14.42	24.00	9.58
	Middle	5 550.00	15.47	24.00	8.53
	High	5 670.00	16.64	24.00	7.36
5 725 ~ 5 850	Low	5 755.00	16.71	30.00	13.29
	High	5 795.00	16.86	30.00	13.14

Remark 1: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log (10^{(\text{Antenna0 Output Power}/10)} + 10^{(\text{Antenna1 Output Power}/10)})$

10.8.8 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	9.75	24.00	14.25
5 725 ~ 5 825	5 710.00	-1.43	30.00	31.43

10.8.9 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	8.15	24.00	15.85
5 725 ~ 5 825	5 710.00	-2.49	30.00	32.49

10.8.10 Test data for Staddle Channel_Multiple Transmit

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	12.03	24.00	11.97
5 725 ~ 5 825	5 710.00	1.08	30.00	28.92

Remark 1: Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

10.9 Test data for 802.11ac_VHT80 RLAN Mode

10.9.1 Test data for SISO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	11.65	24.00	12.35
5 250 ~ 5 350	Low	5 290.00	12.34	24.00	11.66
5 470 ~ 5 725	Low	5 530.00	14.32	24.00	9.68
5 725 ~ 5 850	Low	5 775.00	17.68	30.00	12.32

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.9.2 Test data for SISO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	11.66	24.00	12.34
5 250 ~ 5 350	Low	5 290.00	11.92	24.00	12.08
5 470 ~ 5 725	Low	5 530.00	13.83	24.00	10.17
5 725 ~ 5 850	Low	5 775.00	17.41	30.00	12.59

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.9.3 Test data for Staddle Channel_SISO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	14.58	24.00	9.42
5 725 ~ 5 825	5 690.00	-0.89	30.00	30.89

10.9.4 Test data for Staddle Channel_SISO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	12.46	24.00	11.54
5 725 ~ 5 825	5 690.00	-2.68	30.00	32.68

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10.9.5 Test data for MIMO Antenna 0

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	8.26	24.00	15.74
5 250 ~ 5 350	Low	5 290.00	8.77	24.00	15.23
5 470 ~ 5 725	Low	5 530.00	9.87	24.00	14.13
5 725 ~ 5 850	Low	5 775.00	13.33	30.00	16.67

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.9.6 Test data for MIMO Antenna 1

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	8.18	24.00	15.82
5 250 ~ 5 350	Low	5 290.00	8.41	24.00	15.59
5 470 ~ 5 725	Low	5 530.00	9.33	24.00	14.67
5 725 ~ 5 850	Low	5 775.00	13.10	30.00	16.90

Remark: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

10.9.7 Test data for Multiple Transmit

-. Test Result : Pass

-. Duty Cycle : > 98 %

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	11.23	24.00	12.77
5 250 ~ 5 350	Low	5 290.00	11.60	24.00	12.40
5 470 ~ 5 725	Low	5 530.00	12.62	24.00	11.38
5 725 ~ 5 850	Low	5 775.00	16.23	30.00	13.77

Remark 1: Margin = Limit – Measured Value (=Power Sensor Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna0 Output Power}/10)} + 10^{(\text{Antenna1 Output Power}/10)})$

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10.9.8 Test data for Staddle Channel_MIMO Antenna 0

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	10.11	24.00	13.89
5 725 ~ 5 825	5 690.00	-5.40	30.00	35.40

10.9.9 Test data for Staddle Channel_MIMO Antenna 1

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	7.99	24.00	16.01
5 725 ~ 5 825	5 690.00	-7.20	30.00	37.20

10.9.10 Test data for Staddle Channel_Multiple Transmit

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	12.19	24.00	11.81
5 725 ~ 5 825	5 690.00	-3.20	30.00	33.20

Remark 1: Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2: Calculated Output Power= $10\log(10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

11. PEAK POWER SPECTRUL DENSITY

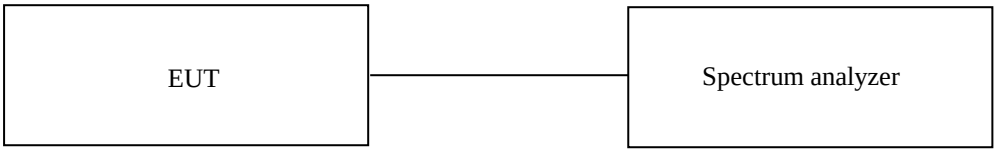
11.1 Operating environment

Temperature : 22 °C

Relative humidity : 41 % R.H.

11.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz, the video bandwidth is set to 3 times the resolution bandwidth. The maximum level form the EUT in 1 MHz bandwidth was measured with above condition.



11.3 Test Date

May 07, 2025 ~ June 05, 2025

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11.4 Test data for 802.11a RLAN Mode

11.4.1 Test data for SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	2.52	11.00	8.48
	Middle	5 220.00	1.67	11.00	9.33
	High	5 240.00	2.03	11.00	8.97
5 250 ~ 5 350	Low	5 260.00	2.42	11.00	8.58
	Middle	5 300.00	2.54	11.00	8.46
	High	5 320.00	1.96	11.00	9.04
5 470 ~ 5 725	Low	5 500.00	2.95	11.00	8.05
	Middle	5 580.00	3.70	11.00	7.30
	High	5 700.00	4.16	11.00	6.84
5 725 ~ 5 850	Low	5 745.00	2.19	30.00	27.81
	Middle	5 785.00	2.23	30.00	27.77
	High	5 825.00	2.08	30.00	27.92

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.4.2 Test data for SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	2.00	11.00	9.00
	Middle	5 220.00	2.39	11.00	8.61
	High	5 240.00	2.23	11.00	8.77
5 250 ~ 5 350	Low	5 260.00	1.45	11.00	9.55
	Middle	5 300.00	2.66	11.00	8.34
	High	5 320.00	2.30	11.00	8.70
5 470 ~ 5 725	Low	5 500.00	2.11	11.00	8.89
	Middle	5 580.00	3.07	11.00	7.93
	High	5 700.00	2.41	11.00	8.59
5 725 ~ 5 850	Low	5 745.00	1.71	30.00	28.29
	Middle	5 785.00	1.72	30.00	28.28
	High	5 825.00	2.34	30.00	27.66

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or
Limit – Measured Value

11.4.3 Test data for Staddle Channel_SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	4.41	11.00	6.59
5 725 ~ 5 850	5 720.00	1.27	30.00	28.73

11.4.4 Test data for Staddle Channel_SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	2.93	11.00	8.07
5 725 ~ 5 850	5 720.00	-0.39	30.00	30.39

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11.5 Test data for 802.11n_HT20 RLAN Mode

11.5.1 Test data for SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	2.57	11.00	8.43
	Middle	5 220.00	1.99	11.00	9.01
	High	5 240.00	2.02	11.00	8.98
5 250 ~ 5 350	Low	5 260.00	1.94	11.00	9.06
	Middle	5 300.00	2.40	11.00	8.60
	High	5 320.00	1.67	11.00	9.33
5 470 ~ 5 725	Low	5 500.00	2.97	11.00	8.03
	Middle	5 580.00	3.52	11.00	7.48
	High	5 700.00	3.96	11.00	7.04
5 725 ~ 5 850	Low	5 745.00	2.15	30.00	27.85
	Middle	5 785.00	1.97	30.00	28.03
	High	5 825.00	1.75	30.00	28.25

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.5.2 Test data for SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	1.73	11.00	9.27
	Middle	5 220.00	2.19	11.00	8.81
	High	5 240.00	1.74	11.00	9.26
5 250 ~ 5 350	Low	5 260.00	1.32	11.00	9.68
	Middle	5 300.00	2.22	11.00	8.78
	High	5 320.00	2.30	11.00	8.70
5 470 ~ 5 725	Low	5 500.00	1.93	11.00	9.07
	Middle	5 580.00	2.82	11.00	8.18
	High	5 700.00	1.81	11.00	9.19
5 725 ~ 5 850	Low	5 745.00	1.11	30.00	28.89
	Middle	5 785.00	1.84	30.00	28.16
	High	5 825.00	1.91	30.00	28.09

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or
Limit – Measured Value

11.5.3 Test data for Staddle Channel_SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	3.77	11.00	7.23
5 725 ~ 5 850	5 720.00	0.45	30.00	29.55

11.5.4 Test data for Staddle Channel_SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	2.41	11.00	8.59
5 725 ~ 5 850	5 720.00	-0.98	30.00	30.98

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11.5.5 Test data for MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	-1.32	11.00	12.32
	Middle	5 220.00	-2.34	11.00	13.34
	High	5 240.00	-2.34	11.00	13.34
5 250 ~ 5 350	Low	5 260.00	-1.38	11.00	12.38
	Middle	5 300.00	-1.81	11.00	12.81
	High	5 320.00	-1.98	11.00	12.98
5 470 ~ 5 725	Low	5 500.00	-0.76	11.00	11.76
	Middle	5 580.00	-0.42	11.00	11.42
	High	5 700.00	-0.01	11.00	11.01
5 725 ~ 5 850	Low	5 745.00	-2.21	30.00	32.21
	Middle	5 785.00	-2.38	30.00	32.38
	High	5 825.00	-2.98	30.00	32.98

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.5.6 Test data for MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	-2.15	11.00	13.15
	Middle	5 220.00	-1.80	11.00	12.80
	High	5 240.00	-2.59	11.00	13.59
5 250 ~ 5 350	Low	5 260.00	-2.70	11.00	13.70
	Middle	5 300.00	-1.93	11.00	12.93
	High	5 320.00	-2.24	11.00	13.24
5 470 ~ 5 725	Low	5 500.00	-1.63	11.00	12.63
	Middle	5 580.00	-1.03	11.00	12.03
	High	5 700.00	-1.86	11.00	12.86
5 725 ~ 5 850	Low	5 745.00	-2.92	30.00	32.92
	Middle	5 785.00	-2.68	30.00	32.68
	High	5 825.00	-2.35	30.00	32.35

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.5.7 Test data for Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	1.30	11.00	9.70
	Middle	5 220.00	0.95	11.00	10.05
	High	5 240.00	0.55	11.00	10.45
5 250 ~ 5 350	Low	5 260.00	1.02	11.00	9.98
	Middle	5 300.00	1.14	11.00	9.86
	High	5 320.00	0.90	11.00	10.10
5 470 ~ 5 725	Low	5 500.00	1.84	11.00	9.16
	Middle	5 580.00	2.30	11.00	8.70
	High	5 700.00	2.17	11.00	8.83
5 725 ~ 5 850	Low	5 745.00	0.46	30.00	29.54
	Middle	5 785.00	0.48	30.00	29.52
	High	5 825.00	0.36	30.00	29.64

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.5.8 Test data for Staddle Channel_MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	-2.58	11.00	13.58
5 725 ~ 5 850	5 720.00	-5.86	30.00	35.86

11.5.9 Test data for Staddle Channel_MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	-3.45	11.00	14.45
5 725 ~ 5 850	5 720.00	-6.53	30.00	36.53

11.5.10 Test data for Staddle Channel_Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	0.02	11.00	10.98
5 725 ~ 5 850	5 720.00	-3.17	30.00	33.17

11.6 Test data for 802.11n_HT40 RLAN Mode

11.6.1 Test data for SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-0.90	11.00	11.90
	High	5 230.00	-0.76	11.00	11.76
5 250 ~ 5 350	Low	5 270.00	0.35	11.00	10.65
	High	5 310.00	-0.73	11.00	11.73
5 470 ~ 5 725	Low	5 510.00	-0.04	11.00	11.04
	Middle	5 550.00	1.04	11.00	9.96
	High	5 670.00	2.99	11.00	8.01
5 725 ~ 5 850	Low	5 755.00	-0.32	30.00	30.32
	High	5 795.00	-0.73	30.00	30.73

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.6.2 Test data for SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-1.10	11.00	12.10
	High	5 230.00	-0.32	11.00	11.32
5 250 ~ 5 350	Low	5 270.00	-0.74	11.00	11.74
	High	5 310.00	-0.93	11.00	11.93
5 470 ~ 5 725	Low	5 510.00	-1.46	11.00	12.46
	Middle	5 550.00	0.30	11.00	10.70
	High	5 670.00	0.49	11.00	10.51
5 725 ~ 5 850	Low	5 755.00	-0.66	30.00	30.66
	High	5 795.00	-0.75	30.00	30.75

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.6.3 Test data for Staddle Channel_SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	1.91	11.00	9.09
5 725 ~ 5 850	5 710.00	-2.65	30.00	32.65

11.6.4 Test data for Staddle Channel_SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-0.02	11.00	11.02
5 725 ~ 5 850	5 710.00	-3.87	30.00	33.87

11.6.5 Test data for MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-5.43	11.00	16.43
	High	5 230.00	-5.20	11.00	16.20
5 250 ~ 5 350	Low	5 270.00	-4.63	11.00	15.63
	High	5 310.00	-4.74	11.00	15.74
5 470 ~ 5 725	Low	5 510.00	-4.71	11.00	15.71
	Middle	5 550.00	-3.51	11.00	14.51
	High	5 670.00	-1.53	11.00	12.53
5 725 ~ 5 850	Low	5 755.00	-5.22	30.00	35.22
	High	5 795.00	-5.50	30.00	35.50

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.6.6 Test data for MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-5.53	11.00	16.53
	High	5 230.00	-4.78	11.00	15.78
5 250 ~ 5 350	Low	5 270.00	-5.47	11.00	16.47
	High	5 310.00	-5.08	11.00	16.08
5 470 ~ 5 725	Low	5 510.00	-5.43	11.00	16.43
	Middle	5 550.00	-3.61	11.00	14.61
	High	5 670.00	-3.78	11.00	14.78
5 725 ~ 5 850	Low	5 755.00	-5.14	30.00	35.14
	High	5 795.00	-5.07	30.00	35.07

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.6.7 Test data for Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-2.47	11.00	13.47
	High	5 230.00	-1.97	11.00	12.97
5 250 ~ 5 350	Low	5 270.00	-2.02	11.00	13.02
	High	5 310.00	-1.90	11.00	12.90
5 470 ~ 5 725	Low	5 510.00	-2.04	11.00	13.04
	Middle	5 550.00	-0.55	11.00	11.55
	High	5 670.00	0.50	11.00	10.50
5 725 ~ 5 850	Low	5 755.00	-2.17	30.00	32.17
	High	5 795.00	-2.27	30.00	32.27

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.6.8 Test data for Staddle Channel_MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-4.44	11.00	15.44
5 725 ~ 5 850	5 710.00	-8.82	30.00	38.82

11.6.9 Test data for Staddle Channel_MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-5.89	11.00	16.89
5 725 ~ 5 850	5 710.00	-9.93	30.00	39.93

11.6.10 Test data for Staddle Channel_Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-2.09	11.00	16.89
5 725 ~ 5 850	5 710.00	-6.33	30.00	36.33

11.7 Test data for 802.11ac_VHT20 RLAN Mode

11.7.1 Test data for SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	1.89	11.00	9.11
	Middle	5 220.00	1.49	11.00	9.51
	High	5 240.00	1.60	11.00	9.40
5 250 ~ 5 350	Low	5 260.00	2.44	11.00	8.56
	Middle	5 300.00	2.22	11.00	8.78
	High	5 320.00	2.10	11.00	8.90
5 470 ~ 5 725	Low	5 500.00	3.11	11.00	7.89
	Middle	5 580.00	3.42	11.00	7.58
	High	5 700.00	3.73	11.00	7.27
5 725 ~ 5 850	Low	5 745.00	1.93	30.00	28.07
	Middle	5 785.00	1.94	30.00	28.06
	High	5 825.00	1.69	30.00	28.31

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.7.2 Test data for SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	1.87	11.00	9.13
	Middle	5 220.00	2.60	11.00	8.40
	High	5 240.00	2.13	11.00	8.87
5 250 ~ 5 350	Low	5 260.00	1.53	11.00	9.47
	Middle	5 300.00	2.01	11.00	8.99
	High	5 320.00	1.92	11.00	9.08
5 470 ~ 5 725	Low	5 500.00	1.70	11.00	9.30
	Middle	5 580.00	2.67	11.00	8.33
	High	5 700.00	1.64	11.00	9.36
5 725 ~ 5 850	Low	5 745.00	1.17	30.00	28.83
	Middle	5 785.00	1.44	30.00	28.56
	High	5 825.00	2.38	30.00	27.62

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or
Limit – Measured Value

11.7.3 Test data for Staddle Channel_SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5720.00	4.11	11.00	6.89
5 725 ~ 5 850	5720.00	0.41	30.00	29.59

11.7.4 Test data for Staddle Channel_SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5720.00	2.35	11.00	8.65
5 725 ~ 5 850	5720.00	-0.70	30.00	30.70

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11.7.5 Test data for MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	-1.76	11.00	12.76
	Middle	5 220.00	-2.71	11.00	13.71
	High	5 240.00	-2.32	11.00	13.32
5 250 ~ 5 350	Low	5 260.00	-0.86	11.00	11.86
	Middle	5 300.00	-1.12	11.00	12.12
	High	5 320.00	-1.74	11.00	12.74
5 470 ~ 5 725	Low	5 500.00	-0.49	11.00	11.49
	Middle	5 580.00	-0.47	11.00	11.47
	High	5 700.00	-0.04	11.00	11.04
5 725 ~ 5 850	Low	5 745.00	-2.24	30.00	32.24
	Middle	5 785.00	-2.48	30.00	32.48
	High	5 825.00	-2.95	30.00	32.95

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.7.6 Test data for MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	-2.05	11.00	13.05
	Middle	5 220.00	-1.84	11.00	12.84
	High	5 240.00	-2.38	11.00	13.38
5 250 ~ 5 350	Low	5 260.00	-2.16	11.00	13.16
	Middle	5 300.00	-1.68	11.00	12.68
	High	5 320.00	-1.87	11.00	12.87
5 470 ~ 5 725	Low	5 500.00	-1.64	11.00	12.64
	Middle	5 580.00	-0.71	11.00	11.71
	High	5 700.00	-1.73	11.00	12.73
5 725 ~ 5 850	Low	5 745.00	-2.95	30.00	32.95
	Middle	5 785.00	-2.25	30.00	32.25
	High	5 825.00	-2.33	30.00	32.33

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.7.7 Test data for Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 180.00	1.11	11.00	9.89
	Middle	5 220.00	0.76	11.00	10.24
	High	5 240.00	0.66	11.00	10.34
5 250 ~ 5 350	Low	5 260.00	1.55	11.00	9.45
	Middle	5 300.00	1.62	11.00	9.38
	High	5 320.00	1.21	11.00	9.79
5 470 ~ 5 725	Low	5 500.00	1.98	11.00	9.02
	Middle	5 580.00	2.42	11.00	8.58
	High	5 700.00	2.21	11.00	8.79
5 725 ~ 5 850	Low	5 745.00	0.43	30.00	29.57
	Middle	5 785.00	0.65	30.00	29.35
	High	5 825.00	0.38	30.00	29.62

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.7.8 Test data for Staddle Channel_MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	-2.02	11.00	13.02
5 725 ~ 5 850	5 720.00	-5.43	30.00	35.43

11.7.9 Test data for Staddle Channel_MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	-3.48	11.00	14.48
5 725 ~ 5 850	5 720.00	-6.90	30.00	36.90

11.7.10 Test data for Staddle Channel_Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 720.00	0.32	11.00	10.68
5 725 ~ 5 850	5 720.00	-3.09	30.00	33.09

11.8 Test data for 802.11ac_VHT40 RLAN Mode

11.8.1 Test data for SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-0.41	11.00	11.41
	High	5 230.00	-0.44	11.00	11.44
5 250 ~ 5 350	Low	5 270.00	0.46	11.00	10.54
	High	5 310.00	-0.70	11.00	11.70
5 470 ~ 5 725	Low	5 510.00	-0.03	11.00	11.03
	Middle	5 550.00	1.00	11.00	10.00
	High	5 670.00	3.01	11.00	7.99
5 725 ~ 5 850	Low	5 755.00	-0.66	30.00	30.66
	High	5 795.00	-0.86	30.00	30.86

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.8.2 Test data for SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-0.76	11.00	11.76
	High	5 230.00	-0.18	11.00	11.18
5 250 ~ 5 350	Low	5 270.00	-0.73	11.00	11.73
	High	5 310.00	-1.06	11.00	12.06
5 470 ~ 5 725	Low	5 510.00	-1.53	11.00	12.53
	Middle	5 550.00	0.50	11.00	10.50
	High	5 670.00	0.59	11.00	10.41
5 725 ~ 5 850	Low	5 755.00	-0.86	30.00	30.86
	High	5 795.00	-0.48	30.00	30.48

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.8.3 Test data for Staddle Channel_SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	2.11	11.00	8.89
5 725 ~ 5 850	5 710.00	-2.46	30.00	32.46

11.8.4 Test data for Staddle Channel_SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-0.16	11.00	11.16
5 725 ~ 5 850	5 710.00	-4.08	30.00	34.08

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11.8.5 Test data for MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-5.09	11.00	16.09
	High	5 230.00	-5.59	11.00	16.59
5 250 ~ 5 350	Low	5 270.00	-4.14	11.00	15.14
	High	5 310.00	-4.69	11.00	15.69
5 470 ~ 5 725	Low	5 510.00	-4.80	11.00	15.80
	Middle	5 550.00	-3.57	11.00	14.57
	High	5 670.00	-1.75	11.00	12.75
5 725 ~ 5 850	Low	5 755.00	-5.00	30.00	35.00
	High	5 795.00	-5.69	30.00	35.69

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.8.6 Test data for MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-5.41	11.00	16.41
	High	5 230.00	-4.89	11.00	15.89
5 250 ~ 5 350	Low	5 270.00	-5.43	11.00	16.43
	High	5 310.00	-4.77	11.00	15.77
5 470 ~ 5 725	Low	5 510.00	-5.13	11.00	16.13
	Middle	5 550.00	-3.12	11.00	14.12
	High	5 670.00	-3.80	11.00	14.80
5 725 ~ 5 850	Low	5 755.00	-4.94	30.00	34.94
	High	5 795.00	-4.89	30.00	34.89

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.8.7 Test data for Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 190.00	-2.24	11.00	13.24
	High	5 230.00	-2.22	11.00	13.22
5 250 ~ 5 350	Low	5 270.00	-1.73	11.00	12.73
	High	5 310.00	-1.72	11.00	12.72
5 470 ~ 5 725	Low	5 510.00	-1.95	11.00	12.95
	Middle	5 550.00	-0.33	11.00	11.33
	High	5 670.00	0.36	11.00	10.64
5 725 ~ 5 850	Low	5 755.00	-1.96	30.00	31.96
	High	5 795.00	-2.26	30.00	32.26

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.8.8 Test data for Staddle Channel_MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-4.21	11.00	15.21
5 725 ~ 5 850	5 710.00	-8.49	30.00	38.49

11.8.9 Test data for Staddle Channel_MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-5.78	11.00	16.78
5 725 ~ 5 850	5 710.00	-9.79	30.00	39.79

11.8.10 Test data for Staddle Channel_Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 710.00	-1.91	11.00	16.78
5 725 ~ 5 850	5 710.00	-6.08	30.00	36.08

11.9 Test data for 802.11ac_VHT80 RLAN Mode

11.9.1 Test data for SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	-6.58	11.00	17.58
5 250 ~ 5 350	Low	5 290.00	-6.19	11.00	17.19
5 470 ~ 5 725	Low	5 530.00	-4.11	11.00	15.11
5 725 ~ 5 850	Low	5 775.00	-3.83	30.00	33.83

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

11.9.2 Test data for SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	-7.16	11.00	18.16
5 250 ~ 5 350	Low	5 290.00	-7.45	11.00	18.45
5 470 ~ 5 725	Low	5 530.00	-5.18	11.00	16.18
5 725 ~ 5 850	Low	5 775.00	-4.22	30.00	34.22

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or

Limit – Measured Value

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11.9.3 Test data for Staddle Channel_SISO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	-2.16	11.00	13.16
5 725 ~ 5 850	5 690.00	-7.99	30.00	37.99

11.9.4 Test data for Staddle Channel_SISO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	-4.98	11.00	15.98
5 725 ~ 5 850	5 690.00	-9.96	30.00	39.96

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11.9.5 Test data for MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	-11.24	11.00	22.24
5 250 ~ 5 350	Low	5 290.00	-10.86	11.00	21.86
5 470 ~ 5 725	Low	5 530.00	-9.34	11.00	20.34
5 725 ~ 5 850	Low	5 775.00	-8.24	30.00	38.24

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or
Limit – Measured Value

11.9.6 Test data for MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	-11.56	11.00	22.56
5 250 ~ 5 350	Low	5 290.00	-11.56	11.00	22.56
5 470 ~ 5 725	Low	5 530.00	-9.91	11.00	20.91
5 725 ~ 5 850	Low	5 775.00	-8.64	30.00	38.64

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or
Limit – Measured Value

11.9.7 Test data for Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 150 ~ 5 250	Low	5 210.00	-8.39	11.00	19.39
5 250 ~ 5 350	Low	5 290.00	-8.19	11.00	19.19
5 470 ~ 5 725	Low	5 530.00	-6.61	11.00	17.61
5 725 ~ 5 850	Low	5 775.00	-5.43	30.00	35.43

Remark: Margin = Limit – EIRP(=Measured Value + Antenna Gain) Or
Limit – Measured Value

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11.9.8 Test data for Staddle Channel_MIMO Antenna 0

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	-6.91	11.00	17.91
5 725 ~ 5 850	5 690.00	-13.05	30.00	43.05

11.9.9 Test data for Staddle Channel_MIMO Antenna 1

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	-8.95	11.00	19.95
5 725 ~ 5 850	5 690.00	-15.22	30.00	45.22

11.9.10 Test data for Staddle Channel_Multiple Transmit

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

FREQUENCY RANGE (MHz)	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
5 470 ~ 5 725	5 690.00	-4.80	11.00	15.80
5 725 ~ 5 850	5 690.00	-10.99	30.00	40.99

12. FREQUENCY STABILITY WITH TEMPERATURE VARIATION

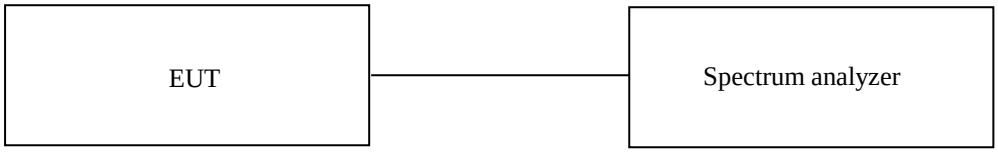
12.1 Operating environment

Temperature : 22 °C

Relative humidity : 41 % R.H.

12.2 Test set-up

Turn EUT off and set chamber temperature to -20 °C and then allow sufficient time (approximately 20 min to 30 min after chamber reach the assigned temperature) for EUT to stabilize. Turn on the EUT and measure the EUT operating frequency and then turn off the EUT after the measurement. The temperature in the chamber was raised 10 °C step from -20 °C to +80 °C. Repeat above method for frequency measurements every 10 °C step and then record all measured frequencies on each temperature step.



12.3 Test Date

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12.4 Test Data for U-NII-1

-. Result : Pass

Temperature (˚C)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
-30	5 180 000 000	5 179 988 131	- 11 869
-20		5 179 998 980	- 1 020
-10		5 180 008 296	8 296
0		5 180 013 563	13 563
10		5 180 011 488	11 488
20		5 179 997 471	- 2 529
30		5 179 999 278	- 722
40		5 179 995 297	- 4 703
50		5 179 996 579	- 3 421
-30	5 220 000 000	5 219 980 599	- 19 401
-20		5 219 998 269	- 1 731
-10		5 220 007 846	7 846
0		5 220 013 971	13 971
10		5 220 011 925	11 925
20		5 219 996 130	- 3 870
30		5 219 998 509	- 1 491
40		5 219 995 204	- 4 796
50		5 219 996 930	- 3 070
-30	5 240 000 000	5 239 978 988	- 21 012
-20		5 239 997 895	- 2 105
-10		5 240 007 683	7 683
0		5 240 014 075	14 075
10		5 240 002 871	2 871
20		5 239 995 158	- 4 842
30		5 239 998 436	- 1 564
40		5 239 995 306	- 4 694
50		5 239 997 204	- 2 796

Note : While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.(ANSI C63.10: 2020)

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12.5 Test Data for U-NII-2A

-. Result : Pass

Temperature (˚C)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
-30	5 260 000 000	5 259 977 917	- 22 083
-20		5 259 997 280	- 2 720
-10		5 260 007 411	7 411
0		5 260 014 192	14 192
10		5 260 008 235	8 235
20		5 259 995 008	- 4 992
30		5 259 998 561	- 1 439
40		5 259 995 239	- 4 761
50		5 259 997 381	- 2 619
-30	5 300 000 000	5 299 977 255	- 22 745
-20		5 299 996 906	- 3 094
-10		5 300 007 195	7 195
0		5 300 014 294	14 294
10		5 300 012 022	12 022
20		5 299 995 148	- 4 852
30		5 299 998 580	- 1 420
40		5 299 995 169	- 4 831
50		5 299 997 487	- 2 513
-30	5 320 000 000	5 319 976 876	- 23 124
-20		5 319 996 514	- 3 486
-10		5 320 007 811	7 811
0		5 320 014 325	14 325
10		5 320 009 963	9 963
20		5 319 995 324	- 4 676
30		5 319 998 606	- 1 394
40		5 319 995 157	- 4 843
50		5 319 997 597	- 2 403

Note : While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.(ANSI C63.10: 2020)

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12.6 Test Data for U-NII-2C

-. Result : Pass

Temperature (˚C)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
-30	5 500 000 000	5 499 976 865	- 23 135
-20		5 499 995 988	- 4 012
-10		5 500 008 211	8 211
0		5 500 014 829	14 829
10		5 500 012 560	12 560
20		5 499 995 343	- 4 657
30		5 499 998 502	- 1 498
40		5 499 994 957	- 5 043
50		5 499 997 602	- 2 398
-30	5 580 000 000	5 579 975 804	- 24 196
-20		5 579 996 178	- 3 822
-10		5 580 007 885	7 885
0		5 580 015 010	15 010
10		5 580 012 653	12 653
20		5 579 995 568	- 4 432
30		5 579 998 402	- 1 598
40		5 579 994 924	- 5 076
50		5 579 997 684	- 2 316
-30	5 700 000 000	5 699 974 309	- 25 691
-20		5 699 995 645	- 4 355
-10		5 700 007 651	7 651
0		5 700 015 379	15 379
10		5 700 012 795	12 795
20		5 699 995 691	- 4 309
30		5 699 998 379	- 1 621
40		5 699 994 831	- 5 169
50		5 699 997 626	- 2 374

Note : While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.(ANSI C63.10: 2020)

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12.7 Test Data for U-NII-3

-. Result : Pass

Temperature (˚C)	Carrier Freq. (Hz)	Measured Freq. (Hz)	**Frequency Error (Hz)**
-30	5 745 000 000	5 744 966 800	- 33 200
-20		5 744 995 239	- 4 761
-10		5 745 007 185	7 185
0		5 745 015 484	15 484
10		5 745 012 959	12 959
20		5 744 995 859	- 4 141
30		5 744 998 385	- 1 615
40		5 744 994 801	- 5 199
50		5 744 997 463	- 2 537
-30	5 785 000 000	5 784 966 104	- 33 896
-20		5 784 994 974	- 5 026
-10		5 785 007 135	7 135
0		5 785 015 609	15 609
10		5 785 013 060	13 060
20		5 784 996 126	- 3 874
30		5 784 998 401	- 1 599
40		5 784 994 823	- 5 177
50		5 784 997 470	- 2 530
-30	5 825 000 000	5 824 965 131	- 34 869
-20		5 824 994 982	- 5 018
-10		5 825 007 163	7 163
0		5 825 015 708	15 708
10		5 825 013 262	13 262
20		5 824 996 183	- 3 817
30		5 824 998 393	- 1 607
40		5 824 994 795	- 5 205
50		5 824 997 533	- 2 467

Note : While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.(ANSI C63.10: 2020)

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13. FREQUENCY STABILITY WITH VOLTAGE VARIATION

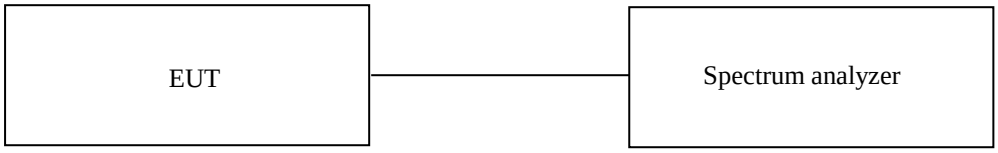
13.1 Operating environment

Temperature : 22 °C

Relative humidity : 41 % R.H.

13.2 Test set-up

An external DC power supply was connected to the input of the EUT. The voltage of EUT set to 110.0 % of the nominal value and then was reduced to 90.0 % of nominal voltage. The output frequency was recorded at each step.



13.3 Test Date

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13.4 Test Data for U-NII-1

-. Result : Pass

Voltage (VDC)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
110	5 180 000 000	5 179 997 471	- 2 529
100		5 179 997 515	- 2 485
130		5 179 997 487	- 2 513
110	5 220 000 000	5 219 996 130	- 3 870
100		5 219 996 251	- 3 749
130		5 219 997 358	- 2 642
110	5 240 000 000	5 239 995 158	- 4 842
100		5 239 995 542	- 4 458
130		5 239 995 521	- 4 479

13.5 Test Data for U-NII-2A

-. Result : Pass

Voltage (VDC)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
110	5 260 000 000	5 259 995 008	- 4 992
100		5 259 994 855	- 5 145
130		5 259 994 731	- 5 269
110	5 300 000 000	5 299 995 148	- 4 852
100		5 299 994 651	- 5 349
130		5 299 995 525	- 4 475
110	5 320 000 000	5 319 995 324	- 4 676
100		5 319 996 122	- 3 878
130		5 319 995 622	- 4 378

13.6 Test Data for U-NII-2C

-. Result : Pass

Voltage (VDC)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
110	5 500 000 000	5 499 995 343	- 4 657
100		5 499 995 655	- 4 345
130		5 499 995 015	- 4 985
110	5 580 000 000	5 579 995 568	- 4 432
100		5 579 996 155	- 3 845
130		5 579 994 658	- 5 342
110	5 700 000 000	5 699 995 691	- 4 309
100		5 699 995 865	- 4 135
130		5 699 996 115	- 3 885

13.7 Test Data for U-NII-3

-. Result : Pass

Voltage (VDC)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Frequency Error (Hz)
110	5 745 000 000	5 744 995 859	- 4 141
100		5 744 996 052	- 3 948
130		5 744 995 251	- 4 749
110	5 785 000 000	5 784 996 126	- 3 874
100		5 784 996 356	- 3 644
130		5 784 996 451	- 3 549
110	5 825 000 000	5 824 996 183	- 3 817
100		5 824 996 352	- 3 648
130		5 824 995 985	- 4 015

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14. RADIATED SPURIOUS EMISSIONS

14.1 Operating environment

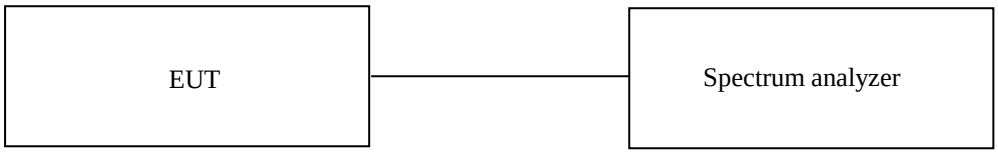
Temperature : 22 °C

Relative humidity : 41 % R.H.

14.2 Test set-up for conducted measurement

The radiated emissions measurements were on the 3 m semi anechoic chamber. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to 40 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.



14.3 Test Date

May 07, 2025 ~ June 05, 2025

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14.4 Test data for Below 30 MHz

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
Emission from the EUT more than 20 dB below the limit in each frequency range.									

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14.5 Test data for 30 MHz ~ 1 000 MHz

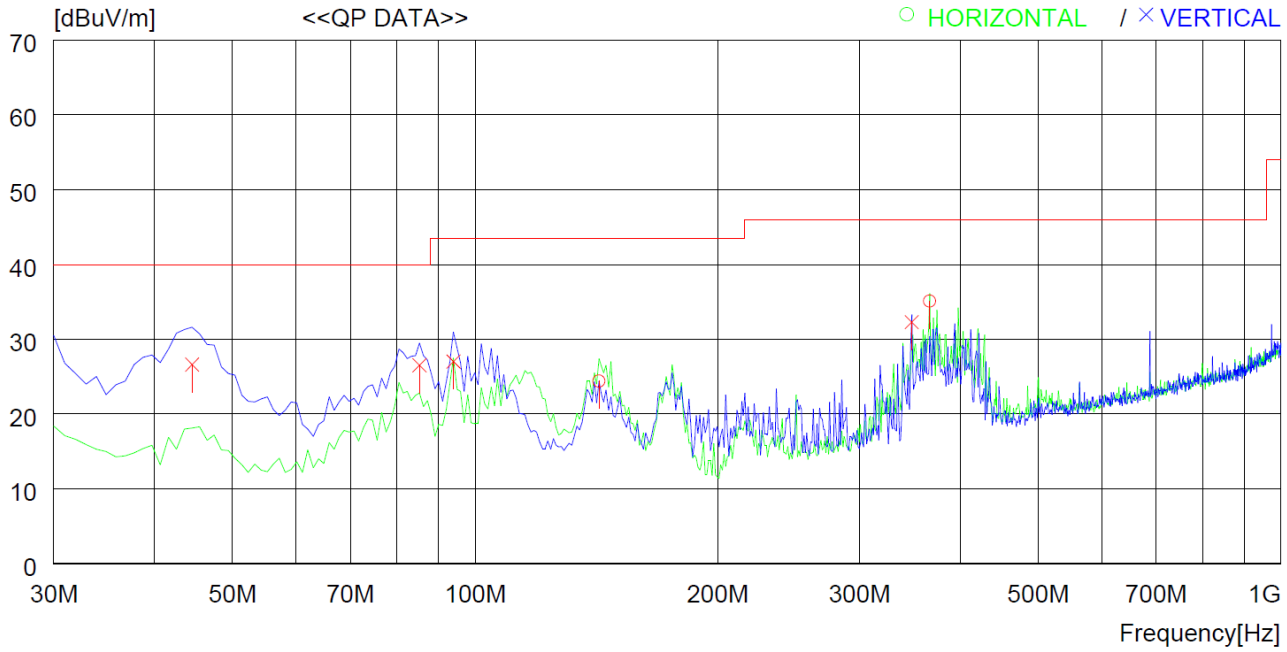
14.5.1 Test data for WLAN 5 GHz [Basic]

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : 4PPoE-BLE WLAN Bridge

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	142.520	35.7	19.2	1.6	32.1	24.4	43.5	19.1	200	268
2	366.590	44.6	20.3	2.4	32.2	35.1	46.0	10.9	300	126
----- Vertical ------										
3	44.550	42.6	15.2	0.9	32.1	26.6	40.0	13.4	100	173
4	85.290	43.8	13.6	1.2	32.1	26.5	40.0	13.5	200	191
5	94.020	43.4	14.4	1.3	32.1	27.0	43.5	16.5	100	310
6	348.160	42.0	20.1	2.4	32.2	32.3	46.0	13.7	100	0

-. Antenna 0, Antenna 1 and Multiple transmit tested, but the worst data were recorded.

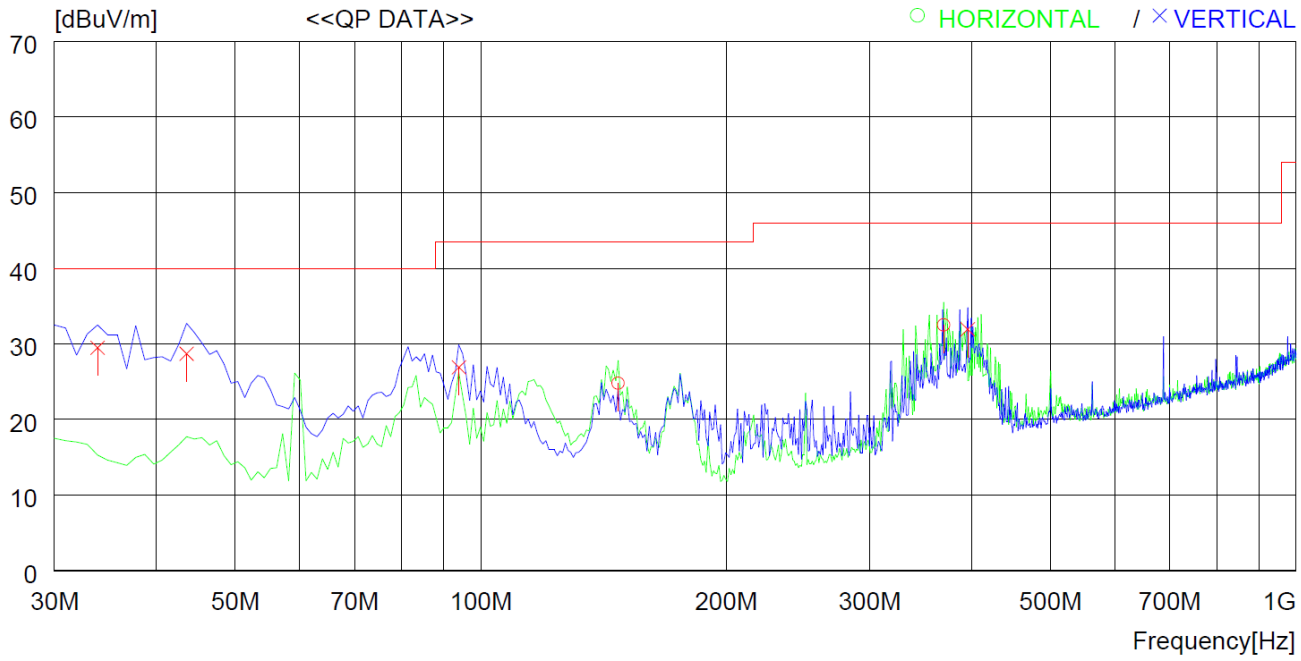
14.5.2 Test data for WLAN 5 GHz [Option 1]

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : 4PPoE-BLE WLAN Bridge

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	147.370	36.5	18.8	1.6	32.1	24.8	43.5	18.7	200	98
2	369.500	41.8	20.4	2.5	32.2	32.5	46.0	13.5	300	359
----- Vertical ------										
3	33.880	41.1	19.7	0.8	32.1	29.5	40.0	10.5	100	103
4	43.580	44.5	15.5	0.8	32.1	28.7	40.0	11.3	100	0
5	94.020	43.3	14.4	1.3	32.1	26.9	43.5	16.6	100	135
6	395.690	40.9	20.7	2.5	32.2	31.9	46.0	14.1	100	119

-. Antenna 0, Antenna 1 and Multiple transmit tested, but the worst data were recorded.

14.6 Test data for Above 1 GHz

14.6.1 Test data for Frequency UNII I

14.6.1.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 352.51	49.79	Peak	H	39.41	9.51	42.19	-	56.52	68.20	11.68
10 360.20	49.27	Peak	V	39.42	9.51	42.19	-	56.01	68.20	12.19
Test Data for Middle Channel										
10 420.32	48.98	Peak	H	39.54	9.51	42.19	-	55.84	68.20	12.36
10 459.68	49.58	Peak	V	39.62	10.23	42.19	-	57.24	68.20	10.96
Test Data for High Channel										
10 480.10	49.14	Peak	H	39.66	10.23	42.19	-	56.84	68.20	11.36
10 504.78	48.79	Peak	V	39.70	10.23	42.19	-	56.53	68.20	11.67

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.1.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 335.33	49.15	Peak	H	39.37	8.87	42.19	-	55.20	68.20	13.00
10 374.43	48.88	Peak	V	39.43	9.51	42.19	-	55.63	68.20	12.57
Test Data for Middle Channel										
10 441.20	50.60	Peak	H	39.58	9.51	42.19	-	57.50	68.20	10.70
10 434.46	49.54	Peak	V	39.57	9.51	42.19	-	56.43	68.20	11.77
Test Data for High Channel										
10 471.26	49.42	Peak	H	39.64	10.23	42.19	-	57.10	68.20	11.10
10 455.72	49.27	Peak	V	39.61	10.23	42.19	-	56.92	68.20	11.28

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 388.94	48.83	Peak	H	39.48	9.51	42.19	-	55.63	68.20	12.57
10 363.67	49.13	Peak	V	39.43	9.51	42.19	-	55.88	68.20	12.32
Test Data for High Channel										
10 436.87	49.05	Peak	H	39.57	9.51	42.19	-	55.94	68.20	12.26
10 436.17	49.49	Peak	V	39.57	9.51	42.19	-	56.38	68.20	11.82

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 377.68	49.65	Peak	H	39.46	9.51	42.19	-	56.43	68.20	11.77
10 336.92	48.79	Peak	V	39.37	8.87	42.19	-	54.84	68.20	13.36
Test Data for Middle Channel										
10 443.85	49.62	Peak	H	39.59	9.51	42.19	-	56.53	68.20	11.67
10 435.00	48.91	Peak	V	39.57	9.51	42.19	-	55.80	68.20	12.40
Test Data for High Channel										
10 475.85	49.91	Peak	H	39.65	10.23	42.19	-	57.60	68.20	10.60
10 483.85	49.26	Peak	V	39.67	10.23	42.19	-	56.97	68.20	11.23

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 368.51	49.04	Peak	H	39.44	9.51	42.19	-	55.80	68.20	12.40
10 373.26	48.91	Peak	V	39.45	9.51	42.19	-	55.68	68.20	12.52
Test Data for High Channel										
10 443.32	49.47	Peak	H	39.59	9.51	42.19	-	56.38	68.20	11.82
10 454.01	49.51	Peak	V	39.61	10.23	42.19	-	57.16	68.20	11.04

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.1.6 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Middle Channel										
10 413.76	48.91	Peak	H	39.53	9.51	42.19		55.76	68.20	12.44
10 437.28	49.23	Peak	V	39.57	9.51	42.19		56.12	68.20	12.08

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.1.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 342.72	49.97	Peak	H	39.39	8.87	42.19	-	56.04	68.20	12.16
10 362.85	49.33	Peak	V	39.43	9.51	42.19	-	56.08	68.20	12.12
Test Data for Middle Channel										
10 432.16	49.48	Peak	H	39.56	9.51	42.19	-	56.36	68.20	11.84
10 429.56	49.42	Peak	V	39.56	9.51	42.19	-	56.30	68.20	11.90
Test Data for High Channel										
10 481.45	50.44	Peak	H	39.66	10.23	42.19	-	58.14	68.20	10.06
10 496.83	49.30	Peak	V	39.69	10.23	42.19	-	57.03	68.20	11.17

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.1.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 356.70	49.68	Peak	H	39.41	9.51	42.19	-	56.41	68.20	11.79
10 378.43	49.11	Peak	V	39.46	9.51	42.19	-	55.89	68.20	12.31
Test Data for Middle Channel										
10 439.70	50.14	Peak	H	39.58	9.51	42.19	-	57.04	68.20	11.16
10 456.83	49.21	Peak	V	39.61	10.23	42.19	-	56.86	68.20	11.34
Test Data for High Channel										
10 478.30	51.39	Peak	H	39.66	10.23	42.19	-	59.09	68.20	9.11
10 467.76	49.45	Peak	V	39.64	10.23	42.19	-	57.13	68.20	11.07

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
10 380.90	48.71	Peak	H	39.46	9.51	42.19	-	55.49	68.20	12.71
10 376.90	48.99	Peak	V	39.45	9.51	42.19	-	55.76	68.20	12.44
Test Data for High Channel										
10 438.42	48.93	Peak	H	39.58	9.51	42.19	-	55.83	68.20	12.37
10 464.19	48.69	Peak	V	39.62	10.23	42.19	-	56.35	68.20	11.85

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

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14.6.1.10 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 359.20	54.94	Peak	H	39.42	9.51	42.19	-	61.68	68.20	6.52
10 374.14	48.94	Peak	V	39.45	9.51	42.19	-	55.71	68.20	12.49
Test Data for Middle Channel										
10 438.15	51.36	Peak	H	39.58	9.51	42.19	-	58.26	68.20	9.94
10 419.62	49.53	Peak	V	39.54	9.51	42.19	-	56.39	68.20	11.81
Test Data for High Channel										
10 467.96	48.69	Peak	H	39.64	10.23	42.19	-	56.37	68.20	11.83
10 502.68	49.21	Peak	V	39.70	10.23	42.19	-	56.95	68.20	11.25

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.11 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 389.49	49.94	Peak	H	39.48	9.51	42.19	-	56.74	68.20	11.46
10 402.48	49.02	Peak	V	39.50	9.51	42.19	-	55.84	68.20	12.36
Test Data for High Channel										
10 466.04	49.45	Peak	H	39.63	10.23	42.19	-	57.12	68.20	11.08
10 460.10	49.32	Peak	V	39.62	10.23	42.19	-	56.98	68.20	11.22

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.1.12 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 383.95	49.48	Peak	H	39.47	9.51	42.19	-	56.27	68.20	11.93
10 365.12	49.20	Peak	V	39.43	9.51	42.19	-	55.95	68.20	12.25
Test Data for High Channel										
10 442.92	49.46	Peak	H	39.59	9.51	42.19	-	56.37	68.20	11.83
10 439.07	49.55	Peak	V	39.58	9.51	42.19	-	56.45	68.20	11.75

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.13 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
10 431.09	48.97	Peak	H	39.56	9.51	42.19		55.85	68.20	12.35
10 405.42	49.07	Peak	V	39.51	9.51	42.19		55.90	68.20	12.30

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.1.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 361.00	48.84	Peak	H	39.42	9.51	42.19	-	55.58	68.20	12.62
10 347.86	49.21	Peak	V	39.40	8.87	42.19	-	55.29	68.20	12.91
Test Data for Middle Channel										
10 457.73	49.13	Peak	H	39.62	10.23	42.19	-	56.79	68.20	11.41
10 438.55	49.00	Peak	V	39.58	9.51	42.19	-	55.90	68.20	12.30
Test Data for High Channel										
10 459.07	49.22	Peak	H	39.62	10.23	42.19	-	56.88	68.20	11.32
10 502.13	48.78	Peak	V	39.70	10.23	42.19	-	56.52	68.20	11.68

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 362.57	49.60	Peak	H	39.43	9.51	42.19	-	56.35	68.20	11.85
10 403.43	49.44	Peak	V	39.51	9.51	42.19	-	56.27	68.20	11.93
Test Data for High Channel										
10 470.29	49.86	Peak	H	39.64	10.23	42.19	-	57.54	68.20	10.66
10 459.65	49.17	Peak	V	39.62	10.23	42.19	-	56.83	68.20	11.37

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.16 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 353.91	50.69	Peak	H	39.41	9.51	42.19	-	57.42	68.20	10.78
10 359.25	49.53	Peak	V	39.42	9.51	42.19	-	56.27	68.20	11.93
Test Data for Middle Channel										
10 436.70	50.25	Peak	H	39.57	9.51	42.19	-	57.14	68.20	11.06
10 445.09	49.75	Peak	V	39.59	9.51	42.19	-	56.66	68.20	11.54
Test Data for High Channel										
10 475.85	50.14	Peak	H	39.65	10.23	42.19	-	57.83	68.20	10.37
10 489.44	50.23	Peak	V	39.68	10.23	42.19	-	57.95	68.20	10.25

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.17 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 362.72	49.35	Peak	H	39.43	9.51	42.19	-	56.10	68.20	12.10
10 372.61	49.74	Peak	V	39.45	9.51	42.19	-	56.51	68.20	11.69
Test Data for High Channel										
10 438.57	49.61	Peak	H	39.58	9.51	42.19	-	56.51	68.20	11.69
10 453.26	50.22	Peak	V	39.61	10.23	42.19	-	57.87	68.20	10.33

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.18 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 371.06	50.28	Peak	H	39.44	9.51	42.19	-	57.04	68.20	11.16
10 360.12	49.68	Peak	V	39.42	9.51	42.19	-	56.42	68.20	11.78
Test Data for High Channel										
10 445.02	49.62	Peak	H	39.59	9.51	42.19	-	56.53	68.20	11.67
10 441.27	49.40	Peak	V	39.58	9.51	42.19	-	56.30	68.20	11.90

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.1.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
10 405.07	49.49	Peak	H	39.51	9.51	42.19		56.32	68.20	11.88
10 429.69	49.12	Peak	V	39.56	9.51	42.19		56.00	68.20	12.20

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.2 Test data for Frequency UNII 2A

14.6.2.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
10 511.91	49.11	Peak	H	39.70	10.23	42.19	-	56.85	68.20	11.35
10 509.96	48.65	Peak	V	39.70	10.23	42.19	-	56.39	68.20	11.81
Test Data for Middle Channel										
10 599.75	49.94	Peak	H	39.70	9.29	42.22	-	56.71	68.20	11.49
10 601.05	37.44	Average	H	39.70	9.29	42.22	-	44.21	54.00	9.79
10 578.57	48.94	Peak	V	39.70	9.29	42.21	-	55.72	68.20	12.48
10 606.54	36.77	Average	V	39.70	9.29	42.22	-	43.54	54.00	10.46
Test Data for High Channel										
10 621.67	48.95	Peak	H	39.70	9.29	42.23	-	55.71	74.00	18.29
10 619.82	36.90	Average	H	39.70	9.29	42.23	5.93	43.66	54.00	10.34
10 627.06	49.06	Peak	V	39.70	9.29	42.23	-	55.82	74.00	18.18
10 616.62	36.84	Average	V	39.70	9.29	42.22	5.93	43.61	54.00	10.39

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.2.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 502.27	49.04	Peak	H	39.70	10.23	42.19	-	56.78	68.20	11.42
10 495.87	49.64	Peak	V	39.69	10.23	42.19	-	57.37	68.20	10.83
Test Data for Middle Channel										
10 580.77	49.49	Peak	H	39.70	9.29	42.21	-	56.27	68.20	11.93
10 598.30	36.89	Average	H	39.70	9.29	42.22	-	43.66	54.00	10.34
10 607.79	49.09	Peak	V	39.70	9.29	42.22	-	55.86	74.00	18.14
10 589.76	36.77	Average	V	39.70	9.29	42.22	-	43.54	54.00	10.46
Test Data for High Channel										
10 640.60	48.71	Peak	H	39.70	9.29	42.23	-	55.47	74.00	18.53
10 617.52	36.78	Average	H	39.70	9.29	42.23	-	43.54	54.00	10.46
10 628.91	49.14	Peak	V	39.70	9.29	42.23	-	55.90	74.00	18.10
10 630.31	36.73	Average	V	39.70	9.29	42.23	-	43.49	54.00	10.51

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 523.87	49.22	Peak	H	39.70	10.23	42.20	-	56.95	68.20	11.25
10 534.11	48.81	Peak	V	39.70	10.23	42.20	-	56.54	68.20	11.66
Test Data for High Channel										
10 600.02	49.10	Peak	H	39.70	9.29	42.22	-	55.87	74.00	18.13
10 601.82	36.99	Average	H	39.70	9.29	42.22	-	43.76	54.00	10.24
10 610.01	49.24	Peak	V	39.70	9.29	42.22	-	56.01	74.00	17.99
10 605.96	36.96	Average	V	39.70	9.29	42.22	-	43.73	54.00	10.27

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 529.49	48.91	Peak	H	39.70	10.23	42.20	-	56.64	68.20	11.56
10 499.72	49.29	Peak	V	39.70	10.23	42.19	-	57.03	68.20	11.17
Test Data for Middle Channel										
10 585.37	49.44	Peak	H	39.70	9.29	42.22	-	56.21	68.20	11.99
10 598.50	37.09	Average	H	39.70	9.29	42.22	-	43.86	54.00	10.14
10 604.70	48.84	Peak	V	39.70	9.29	42.22	-	55.61	74.00	18.39
10 599.65	36.58	Average	V	39.70	9.29	42.22	-	43.35	54.00	10.65
Test Data for High Channel										
10 639.40	50.38	Peak	H	39.70	9.29	42.23	-	57.14	74.00	16.86
10 640.10	37.65	Average	H	39.70	9.29	42.23	-	44.41	54.00	9.59
10 650.64	48.51	Peak	V	39.70	8.82	42.24	-	54.79	74.00	19.21
10 620.42	36.62	Average	V	39.70	9.29	42.23	-	43.38	54.00	10.62

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 541.80	49.26	Peak	H	39.70	10.23	42.20	-	56.99	68.20	11.21
10 516.67	48.81	Peak	V	39.70	10.23	42.20	-	56.54	68.20	11.66
Test Data for High Channel										
10 616.00	50.11	Peak	H	39.70	9.29	42.22	-	56.88	74.00	17.12
10 620.20	38.32	Average	H	39.70	9.29	42.23	-	45.08	54.00	8.92
10 607.01	49.39	Peak	V	39.70	9.29	42.22	-	56.16	74.00	17.84
10 610.56	36.71	Average	V	39.70	9.29	42.22	-	43.48	54.00	10.52

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.6 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
10 598.13	50.31	Peak	H	39.70	9.29	42.22	-	57.08	68.20	11.12
10 596.08	48.87	Peak	V	39.70	9.29	42.22	-	55.64	68.20	12.56

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.2.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 523.50	49.88	Peak	H	39.70	10.23	42.20	-	57.61	68.20	10.59
10 544.58	48.88	Peak	V	39.70	10.23	42.20	-	56.61	68.20	11.59
Test Data for Middle Channel										
10 602.75	52.45	Peak	H	39.70	9.29	42.22	-	59.22	74.00	14.78
10 600.35	40.50	Average	H	39.70	9.29	42.22	-	47.27	54.00	6.73
10 599.60	49.13	Peak	V	39.70	9.29	42.22	-	55.90	68.20	12.30
10 597.55	36.83	Average	V	39.70	9.29	42.22	-	43.60	54.00	10.40
Test Data for High Channel										
10 642.65	49.39	Peak	H	39.70	9.29	42.23	-	56.15	74.00	17.85
10 640.20	37.46	Average	H	39.70	9.29	42.23	-	44.22	54.00	9.78
10 622.42	49.06	Peak	V	39.70	9.29	42.23	-	55.82	74.00	18.18
10 615.72	36.85	Average	V	39.70	9.29	42.22	-	43.62	54.00	10.38

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 514.06	48.86	Peak	H	39.70	10.23	42.19	-	56.60	68.20	11.60
10 506.36	48.95	Peak	V	39.70	10.23	42.19	-	56.69	68.20	11.51
Test Data for Middle Channel										
10 597.95	49.07	Peak	H	39.70	9.29	42.22	-	55.84	68.20	12.36
10 615.04	36.63	Average	H	39.70	9.29	42.22	-	43.40	54.00	10.60
10 598.80	49.50	Peak	V	39.70	9.29	42.22	-	56.27	68.20	11.93
10 600.20	36.77	Average	V	39.70	9.29	42.22	-	43.54	54.00	10.46
Test Data for High Channel										
10 630.91	50.36	Peak	H	39.70	9.29	42.23	-	57.12	74.00	16.88
10 640.05	37.84	Average	H	39.70	9.29	42.23	-	44.60	54.00	9.40
10 623.27	49.34	Peak	V	39.70	9.29	42.23	-	56.10	74.00	17.90
10 639.60	36.84	Average	V	39.70	9.29	42.23	-	43.60	54.00	10.40

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.2.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1 [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 522.52	50.64	Peak	H	39.70	10.23	42.20	-	58.37	68.20	9.83
10 521.67	49.28	Peak	V	39.70	10.23	42.20	-	57.01	68.20	11.19
Test Data for High Channel										
10 598.97	50.11	Peak	H	39.70	9.29	42.22	-	56.88	68.20	11.32
10 620.05	37.86	Average	H	39.70	9.29	42.23	-	44.62	54.00	9.38
10 619.75	50.18	Peak	V	39.70	9.29	42.23	-	56.94	74.00	17.06
10 619.90	38.26	Average	V	39.70	9.29	42.23	-	45.02	54.00	8.98

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.2.10 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1 [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 537.55	49.20	Peak	H	39.70	10.23	42.20	-	56.93	68.20	11.27
10 517.17	49.07	Peak	V	39.70	10.23	42.20	-	56.80	68.20	11.40
Test Data for High Channel										
10 611.66	49.33	Peak	H	39.70	9.29	42.22	-	56.10	74.00	17.90
10 608.71	37.27	Average	H	39.70	9.29	42.22	-	44.04	54.00	9.96
10 627.04	49.17	Peak	V	39.70	9.29	42.23	-	55.93	74.00	18.07
10 599.37	37.08	Average	V	39.70	9.29	42.22	-	43.85	54.00	10.15

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.11 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 519.80	53.58	Peak	H	39.70	10.23	42.20	-	61.31	68.20	6.89
10 502.47	49.04	Peak	V	39.70	10.23	42.19	-	56.78	68.20	11.42
Test Data for Middle Channel										
10 598.30	54.64	Peak	H	39.70	9.29	42.22	-	61.41	68.20	6.79
10 600.10	42.34	Average	H	39.70	9.29	42.22	-	49.11	54.00	4.89
10 609.79	49.03	Peak	V	39.70	9.29	42.22	-	55.80	74.00	18.20
10 600.05	36.81	Average	V	39.70	9.29	42.22	-	43.58	54.00	10.42
Test Data for High Channel										
10 639.60	52.37	Peak	H	39.70	9.29	42.23	-	59.13	74.00	14.87
10 640.00	40.50	Average	H	39.70	9.29	42.23	-	47.26	54.00	6.74
10 623.62	48.91	Peak	V	39.70	9.29	42.23	-	55.67	74.00	18.33
10 617.42	36.76	Average	V	39.70	9.29	42.23	-	43.52	54.00	10.48

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.12 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 526.41	48.83	Peak	H	39.70	10.23	42.20	-	56.56	68.20	11.64
10 515.48	49.68	Peak	V	39.70	10.23	42.19	-	57.42	68.20	10.78
Test Data for High Channel										
10 612.46	49.86	Peak	H	39.70	9.29	42.22	-	56.63	74.00	17.37
10 619.85	37.60	Average	H	39.70	9.29	42.23	-	44.36	54.00	9.64
10 601.52	49.04	Peak	V	39.70	9.29	42.22	-	55.81	74.00	18.19
10 620.00	36.89	Average	V	39.70	9.29	42.23	-	43.65	54.00	10.35

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.13 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
10 559.57	48.52	Peak	H	39.70	9.29	42.21	-	55.30	68.20	12.90
10 591.89	48.63	Peak	V	39.70	9.29	42.22	-	55.40	68.20	12.80

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.2.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 510.26	49.68	Peak	H	39.70	10.23	42.19	-	57.42	68.20	10.78
10 513.16	48.99	Peak	V	39.70	10.23	42.19	-	56.73	68.20	11.47
Test Data for Middle Channel										
10 595.46	49.04	Peak	H	39.70	9.29	42.22	-	55.81	68.20	12.39
10 600.25	36.82	Average	H	39.70	9.29	42.22	-	43.59	54.00	10.41
10 611.29	49.00	Peak	V	39.70	9.29	42.22	-	55.77	74.00	18.23
10 600.20	36.91	Average	V	39.70	9.29	42.22	-	43.68	54.00	10.32
Test Data for High Channel										
10 622.82	48.84	Peak	H	39.70	9.29	42.23	-	55.60	74.00	18.40
10 617.52	36.84	Average	H	39.70	9.29	42.23	-	43.60	54.00	10.40
10 618.67	48.78	Peak	V	39.70	9.29	42.23	-	55.54	74.00	18.46
10 619.22	36.85	Average	V	39.70	9.29	42.23	-	43.61	54.00	10.39

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 518.47	48.45	Peak	H	39.70	10.23	42.20	-	56.18	68.20	12.02
10 528.86	48.85	Peak	V	39.70	10.23	42.20	-	56.58	68.20	11.62
Test Data for High Channel										
10 612.01	49.83	Peak	H	39.70	9.29	42.22	-	56.60	74.00	17.40
10 608.01	36.78	Average	H	39.70	9.29	42.22	-	43.55	54.00	10.45
10 601.27	48.92	Peak	V	39.70	9.29	42.22	-	55.69	74.00	18.31
10 596.87	36.73	Average	V	39.70	9.29	42.22	-	43.50	54.00	10.50

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.16 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 528.21	48.73	Peak	H	39.70	10.23	42.20	-	56.46	68.20	11.74
10 561.03	48.60	Peak	V	39.70	9.29	42.21	-	55.38	68.20	12.82
Test Data for High Channel										
10 605.32	49.25	Peak	H	39.70	9.29	42.22	-	56.02	74.00	17.98
10 619.80	36.69	Average	H	39.70	9.29	42.23	-	43.45	54.00	10.55
10 620.05	48.91	Peak	V	39.70	9.29	42.23	-	55.67	74.00	18.33
10 600.47	36.57	Average	V	39.70	9.29	42.22	-	43.34	54.00	10.66

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.2.17 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 515.11	49.09	Peak	H	39.70	10.23	42.19	-	56.83	68.20	11.37
10 523.55	48.87	Peak	V	39.70	10.23	42.20	-	56.60	68.20	11.60
Test Data for Middle Channel										
10 608.19	48.95	Peak	H	39.70	9.29	42.22	-	55.72	68.20	12.48
10 599.10	36.95	Average	H	39.70	9.29	42.22	-	43.72	54.00	10.28
10 611.24	49.68	Peak	V	39.70	9.29	42.22	-	56.45	74.00	17.55
10 594.36	36.74	Average	V	39.70	9.29	42.22	-	43.51	54.00	10.49
Test Data for High Channel										
10 630.66	49.81	Peak	H	39.70	9.29	42.23	-	56.57	74.00	17.43
10 616.02	36.82	Average	H	39.70	9.29	42.22	-	43.59	54.00	10.41
10 631.81	49.08	Peak	V	39.70	9.29	42.23	-	55.84	74.00	18.16
10 618.37	36.75	Average	V	39.70	9.29	42.23	-	43.51	54.00	10.49

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.18 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 546.39	48.61	Peak	H	39.70	10.23	42.20	-	56.34	68.20	11.86
10 526.51	50.15	Peak	V	39.70	10.23	42.20	-	57.88	68.20	10.32
Test Data for High Channel										
10 595.13	48.98	Peak	H	39.70	9.29	42.22	-	55.75	68.20	12.45
10 608.76	36.87	Average	H	39.70	9.29	42.22	-	43.64	54.00	10.36
10 621.75	48.96	Peak	V	39.70	9.29	42.23	-	55.72	74.00	18.28
10 606.56	36.73	Average	V	39.70	9.29	42.22	-	43.50	54.00	10.50

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.2.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
10 603.48	49.31	Peak	H	39.70	9.29	42.22	-	56.08	74.00	17.92
10 599.63	36.78	Average	H	39.70	9.29	42.22	-	43.55	54.00	10.45
10 604.38	49.09	Peak	V	39.70	9.29	42.22	-	55.86	74.00	18.14
10 603.58	36.76	Average	V	39.70	9.29	42.22	-	43.53	54.00	10.47

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.3 Test data for Frequency UNII 2C

14.6.3.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 006.490	50.56	Peak	H	39.99	9.16	42.34	-	57.37	74.00	16.63
11 000.050	38.39	Average	H	40.00	9.16	42.34	-	45.21	54.00	8.79
11 006.090	49.28	Peak	V	39.99	9.16	42.34	-	56.09	74.00	17.91
10 989.360	36.81	Average	V	40.00	9.16	42.34	-	43.63	54.00	10.37
Test Data for Middle Channel										
11 162.550	50.84	Peak	H	39.60	9.21	42.34	-	57.31	74.00	16.69
11 159.950	38.81	Average	H	39.60	9.21	42.34	-	45.28	54.00	8.72
11 178.030	49.11	Peak	V	39.60	9.21	42.34	-	55.58	74.00	18.42
11 157.600	36.73	Average	V	39.60	9.21	42.34	-	43.20	54.00	10.80
Test Data for High Channel										
11 399.900	49.06	Peak	H	39.90	9.21	42.35	-	55.82	74.00	18.18
11 400.400	36.92	Average	H	39.90	9.21	42.35	-	43.68	54.00	10.32
11 380.670	48.94	Peak	V	39.82	9.21	42.35	-	55.62	74.00	18.38
11 402.200	36.71	Average	V	39.90	9.21	42.35	-	43.47	54.00	10.53

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 997.75	49.30	Peak	H	40.00	9.16	42.34	-	56.12	74.00	17.88
11 003.90	37.19	Average	H	39.99	9.16	42.34	-	44.00	54.00	10.00
10 986.46	49.12	Peak	V	40.00	9.16	42.34	-	55.94	74.00	18.06
11 007.44	37.04	Average	V	39.99	9.16	42.34	-	43.85	54.00	10.15
Test Data for Middle Channel										
11 156.10	50.87	Peak	H	39.60	9.21	42.34	-	57.34	74.00	16.66
11 160.10	38.99	Average	H	39.60	9.21	42.34	-	45.46	54.00	8.54
11 159.35	48.97	Peak	V	39.60	9.21	42.34	-	55.44	74.00	18.56
11 154.76	36.88	Average	V	39.60	9.21	42.34	-	43.35	54.00	10.65
Test Data for High Channel										
11 405.89	50.06	Peak	H	39.91	9.21	42.35	-	56.83	74.00	17.17
11 400.20	38.82	Average	H	39.90	9.21	42.35	-	45.58	54.00	8.42
11 401.95	49.12	Peak	V	39.90	9.21	42.35	-	55.88	74.00	18.12
11 397.95	36.66	Average	V	39.89	9.21	42.35	-	43.41	54.00	10.59

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.3.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 005.81	49.36	Peak	H	39.99	9.16	42.34	-	56.17	74.00	17.83
11 004.57	37.45	Average	H	39.99	9.16	42.34	-	44.26	54.00	9.74
11 010.71	49.81	Peak	V	39.98	9.16	42.34	-	56.61	74.00	17.39
11 008.41	37.42	Average	V	39.98	9.16	42.34	-	44.22	54.00	9.78
Test Data for Middle Channel										
11 088.31	49.94	Peak	H	39.82	9.78	42.34	-	57.20	74.00	16.80
11 092.36	37.42	Average	H	39.82	9.78	42.34	-	44.68	54.00	9.32
11 083.57	48.98	Peak	V	39.83	9.78	42.34	-	56.25	74.00	17.75
11 075.28	36.89	Average	V	39.85	9.78	42.34	-	44.18	54.00	9.82
Test Data for High Channel										
11 337.55	49.29	Peak	H	39.68	9.21	42.35	-	55.83	74.00	18.17
11 340.25	37.91	Average	H	39.68	9.21	42.35	-	44.45	54.00	9.55
11 324.12	48.79	Peak	V	39.65	9.21	42.35	-	55.30	74.00	18.70
11 317.22	36.91	Average	V	39.63	9.21	42.35	-	43.40	54.00	10.60

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.3.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 004.40	51.13	Peak	H	39.99	9.16	42.34	-	57.94	74.00	16.06
10 999.95	39.01	Average	H	40.00	9.16	42.34	-	45.83	54.00	8.17
11 014.24	49.67	Peak	V	39.97	9.16	42.34	-	56.46	74.00	17.54
11 005.00	37.15	Average	V	39.99	9.16	42.34	-	43.96	54.00	10.04
Test Data for Middle Channel										
11 159.45	52.34	Peak	H	39.60	9.21	42.34	-	58.81	74.00	15.19
11 160.05	39.46	Average	H	39.60	9.21	42.34	-	45.93	54.00	8.07
11 156.10	49.25	Peak	V	39.60	9.21	42.34	-	55.72	74.00	18.28
11 156.25	37.05	Average	V	39.60	9.21	42.34	-	43.52	54.00	10.48
Test Data for High Channel										
11 395.75	49.34	Peak	H	39.88	9.21	42.35	-	56.08	74.00	17.92
11 400.00	37.90	Average	H	39.90	9.21	42.35	-	44.66	54.00	9.34
11 389.96	49.12	Peak	V	39.86	9.21	42.35	-	55.84	74.00	18.16
11 400.25	36.80	Average	V	39.90	9.21	42.35	-	43.56	54.00	10.44

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.3.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 042.23	50.37	Peak	H	39.92	9.16	42.34	-	57.11	74.00	16.89
11 004.12	37.45	Average	H	39.99	9.16	42.34	-	44.26	54.00	9.74
11 007.31	49.38	Peak	V	39.99	9.16	42.34	-	56.19	74.00	17.81
10 997.12	37.39	Average	V	40.00	9.16	42.34	-	44.21	54.00	9.79
Test Data for Middle Channel										
11 080.92	48.85	Peak	H	39.84	9.78	42.34	-	56.13	74.00	17.87
11 093.66	37.00	Average	H	39.81	9.78	42.34	-	44.25	54.00	9.75
11 119.88	49.25	Peak	V	39.72	9.78	42.34	-	56.41	74.00	17.59
11 077.02	36.94	Average	V	39.85	9.78	42.34	-	44.23	54.00	9.77
Test Data for High Channel										
11 335.90	49.32	Peak	H	39.67	9.21	42.35	-	55.85	74.00	18.15
11 318.92	37.01	Average	H	39.64	9.21	42.35	-	43.51	54.00	10.49
11 333.06	49.31	Peak	V	39.67	9.21	42.35	-	55.84	74.00	18.16
11 317.42	37.02	Average	V	39.63	9.21	42.35	-	43.51	54.00	10.49

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.3.6 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 039.87	50.46	Peak	H	39.92	9.16	42.34	-	57.20	74.00	16.80
11 035.87	37.16	Average	H	39.93	9.16	42.34	-	43.91	54.00	10.09
11 057.50	49.87	Peak	V	39.89	9.78	42.34	-	57.20	74.00	16.80
11 038.97	37.14	Average	V	39.92	9.16	42.34	-	43.88	54.00	10.12

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.3.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
10 996.050	51.22	Peak	H	40.00	9.16	42.34	-	58.04	74.00	15.96
11 000.100	38.76	Average	H	40.00	9.16	42.34	-	45.58	54.00	8.42
10 988.110	49.27	Peak	V	40.00	9.16	42.34	-	56.09	74.00	17.91
10 999.850	37.14	Average	V	40.00	9.16	42.34	-	43.96	54.00	10.04
Test Data for Middle Channel										
11 146.660	50.02	Peak	H	39.61	9.78	42.34	-	57.07	74.00	16.93
11 160.100	37.64	Average	H	39.60	9.21	42.34	-	44.11	54.00	9.89
11 160.550	48.90	Peak	V	39.60	9.21	42.34	-	55.37	74.00	18.63
11 160.350	36.96	Average	V	39.60	9.21	42.34	-	43.43	54.00	10.57
Test Data for High Channel										
11 393.010	50.06	Peak	H	39.87	9.21	42.35	-	56.79	74.00	17.21
11 400.300	38.66	Average	H	39.90	9.21	42.35	-	45.42	54.00	8.58
11 382.070	48.99	Peak	V	39.83	9.21	42.35	-	55.68	74.00	18.32
11 400.050	37.88	Average	V	39.90	9.21	42.35	-	44.64	54.00	9.36

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

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14.6.3.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 992.01	50.60	Peak	H	40.00	9.16	42.34	-	57.42	74.00	16.58
10 999.85	38.78	Average	H	40.00	9.16	42.34	-	45.60	54.00	8.40
11 021.58	49.38	Peak	V	39.96	9.16	42.34	-	56.16	74.00	17.84
10 996.05	36.93	Average	V	40.00	9.16	42.34	-	43.75	54.00	10.25
Test Data for Middle Channel										
11 159.25	50.50	Peak	H	39.60	9.21	42.34	-	56.97	74.00	17.03
11 159.55	38.56	Average	H	39.60	9.21	42.34	-	45.03	54.00	8.97
11 168.99	49.48	Peak	V	39.60	9.21	42.34	-	55.95	74.00	18.05
11 149.86	36.78	Average	V	39.60	9.78	42.34	-	43.82	54.00	10.18
Test Data for High Channel										
11 399.80	49.45	Peak	H	39.90	9.21	42.35	-	56.21	74.00	17.79
11 400.00	38.20	Average	H	39.90	9.21	42.35	-	44.96	54.00	9.04
11 399.80	49.07	Peak	V	39.90	9.21	42.35	-	55.83	74.00	18.17
11 399.90	38.60	Average	V	39.90	9.21	42.35	-	45.36	54.00	8.64

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 019.90	53.02	Peak	H	39.96	9.16	42.34	-	59.80	74.00	14.20
11 020.00	41.51	Average	H	39.96	9.16	42.34	-	48.29	54.00	5.71
11 006.46	49.50	Peak	V	39.99	9.16	42.34	-	56.31	74.00	17.69
10 995.67	37.34	Average	V	40.00	9.16	42.34	-	44.16	54.00	9.84
Test Data for Middle Channel										
11 076.27	49.55	Peak	H	39.85	9.78	42.34	-	56.84	74.00	17.16
11 111.79	37.14	Average	H	39.75	9.78	42.34	-	44.33	54.00	9.67
11 082.87	49.64	Peak	V	39.83	9.78	42.34	-	56.91	74.00	17.09
11 081.92	36.91	Average	V	39.84	9.78	42.34	-	44.19	54.00	9.81
Test Data for High Channel										
11 336.05	49.84	Peak	H	39.67	9.21	42.35	-	56.37	74.00	17.63
11 340.10	37.73	Average	H	39.68	9.21	42.35	-	44.27	54.00	9.73
11 326.06	49.65	Peak	V	39.65	9.21	42.35	-	56.16	74.00	17.84
11 340.00	37.92	Average	V	39.68	9.21	42.35	-	44.46	54.00	9.54

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.3.10 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 999.10	53.40	Peak	H	40.00	9.16	42.34	-	60.22	74.00	13.78
10 999.90	41.59	Average	H	40.00	9.16	42.34	-	48.41	54.00	5.59
10 996.10	49.98	Peak	V	40.00	9.16	42.34	-	56.80	74.00	17.20
11 007.29	37.15	Average	V	39.99	9.16	42.34	-	43.96	54.00	10.04
Test Data for Middle Channel										
11 157.70	49.53	Peak	H	39.60	9.21	42.34	-	56.00	74.00	18.00
11 159.55	38.40	Average	H	39.60	9.21	42.34	-	44.87	54.00	9.13
11 176.18	49.64	Peak	V	39.60	9.21	42.34	-	56.11	74.00	17.89
11 159.80	37.51	Average	V	39.60	9.21	42.34	-	43.98	54.00	10.02
Test Data for High Channel										
11 400.35	50.10	Peak	H	39.90	9.21	42.35	-	56.86	74.00	17.14
11 399.85	39.26	Average	H	39.90	9.21	42.35	-	46.02	54.00	7.98
11 400.80	49.16	Peak	V	39.90	9.21	42.35	-	55.92	74.00	18.08
11 400.35	37.01	Average	V	39.90	9.21	42.35	-	43.77	54.00	10.23

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.11 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 018.55	49.97	Peak	H	39.96	9.16	42.34	-	56.75	74.00	17.25
11 019.85	37.93	Average	H	39.96	9.16	42.34	-	44.71	54.00	9.29
11 039.43	50.07	Peak	V	39.92	9.16	42.34	-	56.81	74.00	17.19
11 001.27	37.43	Average	V	40.00	9.16	42.34	-	44.25	54.00	9.75
Test Data for Middle Channel										
11 109.94	49.51	Peak	H	39.76	9.78	42.34	-	56.71	74.00	17.29
11 099.85	37.69	Average	H	39.80	9.78	42.34	-	44.93	54.00	9.07
11 120.23	49.34	Peak	V	39.72	9.78	42.34	-	56.50	74.00	17.50
11 075.77	36.96	Average	V	39.85	9.78	42.34	-	44.25	54.00	9.75
Test Data for High Channel										
11 335.60	49.89	Peak	H	39.67	9.21	42.35	-	56.42	74.00	17.58
11 340.15	38.35	Average	H	39.68	9.21	42.35	-	44.89	54.00	9.11
11 315.08	49.90	Peak	V	39.63	9.21	42.35	-	56.39	74.00	17.61
11 317.32	37.01	Average	V	39.63	9.21	42.35	-	43.50	54.00	10.50

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.3.12 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1 [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 081.48	49.93	Peak	H	39.84	9.78	42.34	-	57.21	74.00	16.79
11 053.06	37.38	Average	H	39.89	9.78	42.34	-	44.71	54.00	9.29
11 037.32	49.58	Peak	V	39.93	9.16	42.34	-	56.33	74.00	17.67
11 035.97	37.19	Average	V	39.93	9.16	42.34	-	43.94	54.00	10.06

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.13 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1 [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 042.32	50.04	Peak	H	39.92	9.16	42.34	-	56.78	74.00	17.22
11 060.15	38.87	Average	H	39.88	9.78	42.34	-	46.19	54.00	7.81
11 048.81	49.34	Peak	V	39.90	9.16	42.34	-	56.06	74.00	17.94
11 040.77	37.17	Average	V	39.92	9.16	42.34	-	43.91	54.00	10.09

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 001.50	51.38	Peak	H	40.00	9.16	42.34	-	58.20	74.00	15.80
11 000.50	40.37	Average	H	40.00	9.16	42.34	-	47.19	54.00	6.81
11 006.79	49.79	Peak	V	39.99	9.16	42.34	-	56.60	74.00	17.40
11 007.04	37.32	Average	V	39.99	9.16	42.34	-	44.13	54.00	9.87
Test Data for Middle Channel										
11 165.64	50.46	Peak	H	39.60	9.21	42.34	-	56.93	74.00	17.07
11 160.15	38.81	Average	H	39.60	9.21	42.34	-	45.28	54.00	8.72
11 172.94	49.00	Peak	V	39.60	9.21	42.34	-	55.47	74.00	18.53
11 160.25	37.01	Average	V	39.60	9.21	42.34	-	43.48	54.00	10.52
Test Data for High Channel										
11 397.15	48.89	Peak	H	39.89	9.21	42.35	-	55.64	74.00	18.36
11 400.40	37.11	Average	H	39.90	9.21	42.35	-	43.87	54.00	10.13
11 400.20	49.11	Peak	V	39.90	9.21	42.35	-	55.87	74.00	18.13
11 400.15	38.05	Average	V	39.90	9.21	42.35	-	44.81	54.00	9.19

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 024.25	49.66	Peak	H	39.95	9.16	42.34	-	56.43	74.00	17.57
11 020.15	38.55	Average	H	39.96	9.16	42.34	-	45.33	54.00	8.67
11 011.26	49.09	Peak	V	39.98	9.16	42.34	-	55.89	74.00	18.11
11 000.37	37.14	Average	V	40.00	9.16	42.34	-	43.96	54.00	10.04
Test Data for Middle Channel										
11 104.35	49.59	Peak	H	39.78	9.78	42.34	-	56.81	74.00	17.19
11 093.06	36.87	Average	H	39.81	9.78	42.34	-	44.12	54.00	9.88
11 089.36	48.64	Peak	V	39.82	9.78	42.34	-	55.90	74.00	18.10
11 123.13	36.62	Average	V	39.71	9.78	42.34	-	43.77	54.00	10.23
Test Data for High Channel										
11 331.91	48.75	Peak	H	39.66	9.21	42.35	-	55.27	74.00	18.73
11 317.92	36.61	Average	H	39.64	9.21	42.35	-	43.11	54.00	10.89
11 316.97	48.86	Peak	V	39.63	9.21	42.35	-	55.35	74.00	18.65
11 340.15	37.48	Average	V	39.68	9.21	42.35	-	44.02	54.00	9.98

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.16 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 999.45	50.08	Peak	H	40.00	9.16	42.34	-	56.90	74.00	17.10
11 000.25	38.56	Average	H	40.00	9.16	42.34	-	45.38	54.00	8.62
10 981.67	49.79	Peak	V	40.00	9.16	42.33	-	56.62	74.00	17.38
10 996.30	37.49	Average	V	40.00	9.16	42.34	-	44.31	54.00	9.69
Test Data for Middle Channel										
11 158.50	49.80	Peak	H	39.60	9.21	42.34	-	56.27	74.00	17.73
11 159.85	37.75	Average	H	39.60	9.21	42.34	-	44.22	54.00	9.78
11 139.22	49.42	Peak	V	39.64	9.78	42.34	-	56.50	74.00	17.50
11 156.25	37.17	Average	V	39.60	9.21	42.34	-	43.64	54.00	10.36
Test Data for High Channel										
11 402.30	49.15	Peak	H	39.90	9.21	42.35	-	55.91	74.00	18.09
11 400.10	37.32	Average	H	39.90	9.21	42.35	-	44.08	54.00	9.92
11 403.60	49.39	Peak	V	39.91	9.21	42.35	-	56.16	74.00	17.84
11 400.35	37.23	Average	V	39.90	9.21	42.35	-	43.99	54.00	10.01

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.17 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
10 997.57	49.32	Peak	H	40.00	9.16	42.34	-	56.14	74.00	17.86
11 006.81	37.33	Average	H	39.99	9.16	42.34	-	44.14	54.00	9.86
11 021.45	49.49	Peak	V	39.96	9.16	42.34	-	56.27	74.00	17.73
10 997.72	37.25	Average	V	40.00	9.16	42.34	-	44.07	54.00	9.93
Test Data for Middle Channel										
11 092.06	49.16	Peak	H	39.82	9.78	42.34	-	56.42	74.00	17.58
11 100.20	37.29	Average	H	39.80	9.78	42.34	-	44.53	54.00	9.47
11 099.95	48.98	Peak	V	39.80	9.78	42.34	-	56.22	74.00	17.78
11 080.27	36.84	Average	V	39.84	9.78	42.34	-	44.12	54.00	9.88
Test Data for High Channel										
11 335.70	48.78	Peak	H	39.67	9.21	42.35	-	55.31	74.00	18.69
11 320.57	36.77	Average	H	39.64	9.21	42.35	-	43.27	54.00	10.73
11 319.72	49.20	Peak	V	39.64	9.21	42.35	-	55.70	74.00	18.30
11 319.57	36.75	Average	V	39.64	9.21	42.35	-	43.25	54.00	10.75

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.18 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 060.20	49.54	Peak	H	39.88	9.78	42.34	-	56.86	74.00	17.14
11 060.05	38.15	Average	H	39.88	9.78	42.34	-	45.47	54.00	8.53
11 048.21	49.38	Peak	V	39.90	9.16	42.34	-	56.10	74.00	17.90
11 038.62	37.07	Average	V	39.92	9.16	42.34	-	43.81	54.00	10.19

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.3.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 072.99	49.00	Peak	H	39.85	9.78	42.34	-	56.29	74.00	17.71
11 060.00	36.88	Average	H	39.88	9.78	42.34	-	44.20	54.00	9.80
11 068.74	49.64	Peak	V	39.86	9.78	42.34	-	56.94	74.00	17.06
11 045.27	36.86	Average	V	39.91	9.16	42.34	-	43.59	54.00	10.41

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4 Test data for Frequency UNII 3

14.6.4.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 470.520	48.21	Peak	H	40.04	10.14	42.35	-	56.04	74.00	17.96
11 465.670	36.14	Average	H	40.03	10.14	42.35	-	43.96	54.00	10.04
11 466.720	48.31	Peak	V	40.03	10.14	42.35	-	56.13	74.00	17.87
11 466.170	36.21	Average	V	40.03	10.14	42.35	-	44.03	54.00	9.97
Test Data for Middle Channel										
11 559.510	48.93	Peak	H	39.96	9.38	42.32	-	55.95	74.00	18.05
11 550.270	36.77	Average	H	40.00	9.38	42.32	-	43.83	54.00	10.17
11 551.770	48.52	Peak	V	39.99	9.38	42.32	-	55.57	74.00	18.43
11 552.320	36.73	Average	V	39.99	9.38	42.32	-	43.78	54.00	10.22
Test Data for High Channel										
11 626.920	49.17	Peak	H	39.69	9.38	42.28	-	55.96	74.00	18.04
11 634.020	36.79	Average	H	39.66	9.38	42.27	-	43.56	54.00	10.44
11 647.950	49.36	Peak	V	39.61	9.38	42.27	-	56.08	74.00	17.92
11 652.350	36.80	Average	V	39.59	9.18	42.26	-	43.31	54.00	10.69

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 484.260	50.05	Peak	H	40.07	10.14	42.35	-	57.91	74.00	16.09
11 475.660	37.47	Average	H	40.05	10.14	42.35	-	45.31	54.00	8.69
11 471.520	48.73	Peak	V	40.04	10.14	42.35	-	56.56	74.00	17.44
11 467.920	36.53	Average	V	40.04	10.14	42.35	-	44.36	54.00	9.64
Test Data for Middle Channel										
11 578.540	49.90	Peak	H	39.89	9.38	42.31	-	56.86	74.00	17.14
11 565.260	37.77	Average	H	39.94	9.38	42.31	-	44.78	54.00	9.22
11 571.950	49.81	Peak	V	39.91	9.38	42.31	-	56.79	74.00	17.21
11 570.250	37.18	Average	V	39.92	9.38	42.31	-	44.17	54.00	9.83
Test Data for High Channel										
11 643.610	49.59	Peak	H	39.63	9.38	42.27	-	56.33	74.00	17.67
11 649.750	37.43	Average	H	39.60	9.38	42.27	-	44.14	54.00	9.86
11 639.610	49.63	Peak	V	39.64	9.38	42.27	-	56.38	74.00	17.62
11 637.660	37.24	Average	V	39.65	9.38	42.27	-	44.00	54.00	10.00

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 525.390	48.64	Peak	H	40.05	10.14	42.34	-	56.49	74.00	17.51
11 533.030	36.63	Average	H	40.03	10.14	42.33	-	44.47	54.00	9.53
11 532.480	48.25	Peak	V	40.04	10.14	42.33	-	56.10	74.00	17.90
11 531.830	36.50	Average	V	40.04	10.14	42.33	-	44.35	54.00	9.65
Test Data for High Channel										
11 614.580	49.00	Peak	H	39.74	9.38	42.29	-	55.83	74.00	18.17
11 567.620	36.82	Average	H	39.93	9.38	42.31	-	43.82	54.00	10.18
11 578.410	49.00	Peak	V	39.89	9.38	42.31	-	55.96	74.00	18.04
11 572.620	36.76	Average	V	39.91	9.38	42.31	-	43.74	54.00	10.26

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.4.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 471.370	48.20	Peak	H	40.04	10.14	42.35	-	56.03	74.00	17.97
11 468.520	36.32	Average	H	40.04	10.14	42.35	-	44.15	54.00	9.85
11 475.220	48.62	Peak	V	40.05	10.14	42.35	-	56.46	74.00	17.54
11 468.920	36.40	Average	V	40.04	10.14	42.35	-	44.23	54.00	9.77
Test Data for Middle Channel										
11 554.120	49.20	Peak	H	39.98	9.38	42.32	-	56.24	74.00	17.76
11 547.070	36.77	Average	H	40.01	10.14	42.32	-	44.60	54.00	9.40
11 553.570	48.56	Peak	V	39.99	9.38	42.32	-	55.61	74.00	18.39
11 549.370	36.89	Average	V	40.00	10.14	42.32	-	44.71	54.00	9.29
Test Data for High Channel										
11 645.900	49.32	Peak	H	39.62	9.38	42.27	-	56.05	74.00	17.95
11 661.840	37.02	Average	H	39.55	9.18	42.26	-	43.49	54.00	10.51
11 642.010	48.98	Peak	V	39.63	9.38	42.27	-	55.72	74.00	18.28
11 629.570	36.91	Average	V	39.68	9.38	42.28	-	43.69	54.00	10.31

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.4.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 516.040	48.68	Peak	H	40.07	10.14	42.34	-	56.55	74.00	17.45
11 532.880	36.60	Average	H	40.03	10.14	42.33	-	44.44	54.00	9.56
11 486.370	48.68	Peak	V	40.07	10.14	42.35	-	56.54	74.00	17.46
11 532.680	36.51	Average	V	40.03	10.14	42.33	-	44.35	54.00	9.65
Test Data for High Channel										
11 577.910	49.44	Peak	H	39.89	9.38	42.31	-	56.40	74.00	17.60
11 565.570	36.95	Average	H	39.94	9.38	42.31	-	43.96	54.00	10.04
11 588.450	49.94	Peak	V	39.85	9.38	42.30	-	56.87	74.00	17.13
11 590.200	37.02	Average	V	39.84	9.38	42.30	-	43.94	54.00	10.06

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.6 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 0

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 535.220	48.99	Peak	H	40.03	10.14	42.33	-	56.83	74.00	17.17
11 568.830	36.75	Average	H	39.92	9.38	42.31	-	43.74	54.00	10.26
11 535.660	49.16	Peak	V	40.03	10.14	42.33	-	57.00	74.00	17.00
11 549.800	36.94	Average	V	40.00	10.14	42.32	-	44.76	54.00	9.24

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 504.540	48.89	Peak	H	40.09	10.14	42.35	-	56.77	74.00	17.23
11 468.970	36.01	Average	H	40.04	10.14	42.35	-	43.84	54.00	10.16
11 466.420	48.79	Peak	V	40.03	10.14	42.35	-	56.61	74.00	17.39
11 470.470	36.14	Average	V	40.04	10.14	42.35	-	43.97	54.00	10.03
Test Data for Middle Channel										
11 547.420	48.49	Peak	H	40.01	10.14	42.32	-	56.32	74.00	17.68
11 570.150	36.89	Average	H	39.92	9.38	42.31	-	43.88	54.00	10.12
11 569.700	48.80	Peak	V	39.92	9.38	42.31	-	55.79	74.00	18.21
11 569.950	37.04	Average	V	39.92	9.38	42.31	-	44.03	54.00	9.97
Test Data for High Channel										
11 652.300	50.51	Peak	H	39.59	9.18	42.26	-	57.02	74.00	16.98
11 650.750	37.53	Average	H	39.60	9.18	42.27	-	44.04	54.00	9.96
11 651.900	49.94	Peak	V	39.59	9.18	42.26	-	56.45	74.00	17.55
11 650.450	36.78	Average	V	39.60	9.18	42.27	-	43.29	54.00	10.71

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.4.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 467.570	48.66	Peak	H	40.04	10.14	42.35	-	56.49	74.00	17.51
11 490.650	36.24	Average	H	40.08	10.14	42.35	-	44.11	54.00	9.89
11 476.660	48.37	Peak	V	40.05	10.14	42.35	-	56.21	74.00	17.79
11 490.050	38.91	Average	V	40.08	10.14	42.35	-	46.78	54.00	7.22
Test Data for Middle Channel										
11 565.460	49.13	Peak	H	39.94	9.38	42.31	-	56.14	74.00	17.86
11 549.420	36.85	Average	H	40.00	10.14	42.32	-	44.67	54.00	9.33
11 568.800	48.85	Peak	V	39.92	9.38	42.31	-	55.84	74.00	18.16
11 570.000	36.85	Average	V	39.92	9.38	42.31	-	43.84	54.00	10.16
Test Data for High Channel										
11 649.800	49.52	Peak	H	39.60	9.38	42.27	-	56.23	74.00	17.77
11 646.350	36.94	Average	H	39.61	9.38	42.27	-	43.66	54.00	10.34
11 656.740	49.39	Peak	V	39.57	9.18	42.26	-	55.88	74.00	18.12
11 649.800	37.15	Average	V	39.60	9.38	42.27	-	43.86	54.00	10.14

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

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14.6.4.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 496.360	48.87	Peak	H	40.09	10.14	42.35	-	56.75	74.00	17.25
11 534.230	36.83	Average	H	40.03	10.14	42.33	-	44.67	54.00	9.33
11 532.430	48.80	Peak	V	40.04	10.14	42.33	-	56.65	74.00	17.35
11 534.630	36.67	Average	V	40.03	10.14	42.33	-	44.51	54.00	9.49
Test Data for High Channel										
11 565.480	49.37	Peak	H	39.94	9.38	42.31	-	56.38	74.00	17.62
11 568.620	37.11	Average	H	39.93	9.38	42.31	-	44.11	54.00	9.89
11 596.240	49.29	Peak	V	39.82	9.38	42.30	-	56.19	74.00	17.81
11 566.920	37.04	Average	V	39.93	9.38	42.31	-	44.04	54.00	9.96

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.4.10 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 470.470	48.74	Peak	H	40.04	10.14	42.35	-	56.57	74.00	17.43
11 469.670	36.41	Average	H	40.04	10.14	42.35	-	44.24	54.00	9.76
11 490.100	48.83	Peak	V	40.08	10.14	42.35	-	56.70	74.00	17.30
11 489.950	37.41	Average	V	40.08	10.14	42.35	-	45.28	54.00	8.72
Test Data for Middle Channel										
11 573.650	49.08	Peak	H	39.91	9.38	42.31	-	56.06	74.00	17.94
11 569.000	37.28	Average	H	39.92	9.38	42.31	-	44.27	54.00	9.73
11 545.720	49.21	Peak	V	40.01	10.14	42.32	-	57.04	74.00	16.96
11 570.200	39.50	Average	V	39.92	9.38	42.31	-	46.49	54.00	7.51
Test Data for High Channel										
11 655.890	49.34	Peak	H	39.58	9.18	42.26	-	55.84	74.00	18.16
11 644.310	36.94	Average	H	39.62	9.38	42.27	-	43.67	54.00	10.33
11 649.800	50.26	Peak	V	39.60	9.38	42.27	-	56.97	74.00	17.03
11 650.100	40.85	Average	V	39.60	9.18	42.27	-	47.36	54.00	6.64

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.11 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 514.750	48.23	Peak	H	40.07	10.14	42.34	-	56.10	74.00	17.90
11 534.330	36.46	Average	H	40.03	10.14	42.33	-	44.30	54.00	9.70
11 510.050	48.81	Peak	V	40.08	10.14	42.34	-	56.69	74.00	17.31
11 509.950	38.62	Average	V	40.08	10.14	42.34	-	46.50	54.00	7.50
Test Data for High Channel										
11 566.120	49.06	Peak	H	39.94	9.38	42.31	-	56.07	74.00	17.93
11 590.200	37.02	Average	H	39.84	9.38	42.30	-	43.94	54.00	10.06
11 567.970	49.03	Peak	V	39.93	9.38	42.31	-	56.03	74.00	17.97
11 566.670	36.91	Average	V	39.93	9.38	42.31	-	43.91	54.00	10.09

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.4.12 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 531.730	48.99	Peak	H	40.04	10.14	42.33	-	56.84	74.00	17.16
11 534.330	36.56	Average	H	40.03	10.14	42.33	-	44.40	54.00	9.60
11 524.590	48.31	Peak	V	40.05	10.14	42.34	-	56.16	74.00	17.84
11 510.150	36.59	Average	V	40.08	10.14	42.34	-	44.47	54.00	9.53
Test Data for High Channel										
11 591.500	48.94	Peak	H	39.83	9.38	42.30	-	55.85	74.00	18.15
11 566.420	36.87	Average	H	39.93	9.38	42.31	-	43.87	54.00	10.13
11 609.980	49.52	Peak	V	39.76	9.38	42.29	-	56.37	74.00	17.63
11 567.720	37.03	Average	V	39.93	9.38	42.31	-	44.03	54.00	9.97

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.13 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 1

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 547.700	49.09	Peak	H	40.00	10.14	42.32	-	56.91	74.00	17.09
11 549.950	37.19	Average	H	40.00	10.14	42.32	-	45.01	54.00	8.99
11 548.400	49.19	Peak	V	40.00	10.14	42.32	-	57.01	74.00	16.99
11 547.350	36.88	Average	V	40.01	10.14	42.32	-	44.71	54.00	9.29

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.4.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 490.500	47.98	Peak	H	40.08	10.14	42.35	-	55.85	74.00	18.15
11 490.150	36.35	Average	H	40.08	10.14	42.35	-	44.22	54.00	9.78
11 503.240	48.32	Peak	V	40.09	10.14	42.35	-	56.20	74.00	17.80
11 470.970	36.20	Average	V	40.04	10.14	42.35	-	44.03	54.00	9.97
Test Data for Middle Channel										
11 551.670	49.14	Peak	H	39.99	9.38	42.32	-	56.19	74.00	17.81
11 549.170	36.74	Average	H	40.00	10.14	42.32	-	44.56	54.00	9.44
11 578.240	49.24	Peak	V	39.89	9.38	42.31	-	56.20	74.00	17.80
11 570.150	36.68	Average	V	39.92	9.38	42.31	-	43.67	54.00	10.33
Test Data for High Channel										
11 656.690	49.38	Peak	H	39.57	9.18	42.26	-	55.87	74.00	18.13
11 650.350	36.87	Average	H	39.60	9.18	42.27	-	43.38	54.00	10.62
11 650.300	49.81	Peak	V	39.60	9.18	42.27	-	56.32	74.00	17.68
11 650.150	40.43	Average	V	39.60	9.18	42.27	-	46.94	54.00	7.06

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

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14.6.4.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 527.230	48.64	Peak	H	40.05	10.14	42.33	-	56.50	74.00	17.50
11 534.730	36.41	Average	H	40.03	10.14	42.33	-	44.25	54.00	9.75
11 532.630	48.76	Peak	V	40.03	10.14	42.33	-	56.60	74.00	17.40
11 529.880	36.43	Average	V	40.04	10.14	42.33	-	44.28	54.00	9.72
Test Data for High Channel										
11 581.110	49.03	Peak	H	39.88	9.38	42.30	-	55.99	74.00	18.01
11 570.020	36.72	Average	H	39.92	9.38	42.31	-	43.71	54.00	10.29
11 590.100	49.04	Peak	V	39.84	9.38	42.30	-	55.96	74.00	18.04
11 590.050	38.87	Average	V	39.84	9.38	42.30	-	45.79	54.00	8.21

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.16 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel										
11 466.370	48.22	Peak	H	40.03	10.14	42.35	-	56.04	74.00	17.96
11 468.220	36.17	Average	H	40.04	10.14	42.35	-	44.00	54.00	10.00
11 508.780	48.67	Peak	V	40.08	10.14	42.35	-	56.54	74.00	17.46
11 465.870	36.21	Average	V	40.03	10.14	42.35	-	44.03	54.00	9.97
Test Data for Middle Channel										
11 572.100	49.02	Peak	H	39.91	9.38	42.31	-	56.00	74.00	18.00
11 545.180	36.63	Average	H	40.01	10.14	42.32	-	44.46	54.00	9.54
11 569.900	50.00	Peak	V	39.92	9.38	42.31	-	56.99	74.00	17.01
11 570.250	38.21	Average	V	39.92	9.38	42.31	-	45.20	54.00	8.80
Test Data for High Channel										
11 664.290	49.29	Peak	H	39.54	9.18	42.26	-	55.75	74.00	18.25
11 650.750	36.94	Average	H	39.60	9.18	42.27	-	43.45	54.00	10.55
11 640.460	48.99	Peak	V	39.64	9.38	42.27	-	55.74	74.00	18.26
11 648.400	36.98	Average	V	39.61	9.38	42.27	-	43.70	54.00	10.30

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

14.6.4.17 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Basic]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 521.290	49.00	Peak	H	40.06	10.14	42.34	-	56.86	74.00	17.14
11 529.730	36.46	Average	H	40.04	10.14	42.33	-	44.31	54.00	9.69
11 512.000	48.40	Peak	V	40.08	10.14	42.34	-	56.28	74.00	17.72
11 534.830	36.47	Average	V	40.03	10.14	42.33	-	44.31	54.00	9.69
Test Data for High Channel										
11 572.370	49.24	Peak	H	39.91	9.38	42.31	-	56.22	74.00	17.78
11 567.420	36.83	Average	H	39.93	9.38	42.31	-	43.83	54.00	10.17
11 565.030	49.04	Peak	V	39.94	9.38	42.31	-	56.05	74.00	17.95
11 567.820	36.79	Average	V	39.93	9.38	42.31	-	43.79	54.00	10.21

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.4.18 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Option 1]

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel										
11 493.970	48.90	Peak	H	40.09	10.14	42.35	-	56.78	74.00	17.22
11 534.930	36.76	Average	H	40.03	10.14	42.33	-	44.60	54.00	9.40
11 528.530	48.59	Peak	V	40.04	10.14	42.33	-	56.44	74.00	17.56
11 534.830	36.58	Average	V	40.03	10.14	42.33	-	44.42	54.00	9.58
Test Data for High Channel										
11 611.380	49.22	Peak	H	39.75	9.38	42.29	-	56.06	74.00	17.94
11 572.170	37.05	Average	H	39.91	9.38	42.31	-	44.03	54.00	9.97
11 590.400	48.90	Peak	V	39.84	9.38	42.30	-	55.82	74.00	18.18
11 568.920	36.98	Average	V	39.92	9.38	42.31	-	43.97	54.00	10.03

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

14.6.4.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit

-. Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : > 98 %

-. Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Middle Channel										
11 563.990	50.90	Peak	H	39.94	9.38	42.31	-	57.91	74.00	16.09
11 550.050	38.08	Average	H	40.00	9.38	42.32	-	45.14	54.00	8.86
11 553.100	49.51	Peak	V	39.99	9.38	42.32	-	56.56	74.00	17.44
11 567.380	37.71	Average	V	39.93	9.38	42.31	-	44.71	54.00	9.29

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)