Prüfbericht-Nr.: *Test report no.:*	**IN237CT8 001**	**Auftrags-Nr.:** *Order no.*:	**146769713 010** Seite 1 von 105 *Page 1 of 105*
Kunden-Referenz-Nr.: *Client reference no.:*	2472292	**Auftragsdatum:** *Order date:*	2023-03-02
Auftraggeber: *Client:*	Cradlewise Incorporated, 479 Jessie street, San Francisco CA, 94103		
Prüfgegenstand: *Test item:*	Cradlewise Smart Crib	**Serien-Nr.:** *serial no.*:	2205-00001-LT1
Bezeichnung.: *Identification .:*	2V0		
Auftrags-Inhalt: *Order content*:	Testing and issue of Test report with Grant Certificate		
Prüfgrundlage: *Test specification:*	FCC Part 15 Subpart E 15.247,15.407,15.207, 15.205 & 15.209		
Wareneingangsdatum: *Date of sample receipt:*	2023-03-02		
Prüfmuster-Nr & *Test sample no &*	A003384834-001 & A003384834-003		
Prüfzeitraum: *Testing period:*	2023-03-02 - 2023-03-09		
Ort der Prüfung: *Place of testing:*	Wireless laboratory, Bangalore		
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City Phase1 Bangalore -560 100, India FCC Test site registration number: 496599 ISED Test site registration number: 3466E-1		
Prüfergebnis*: *Test result*:*	Pass		

geprüft von: *tested by:*		**genehmigt von:** *authorized by:*	
Datum: *Date:* **2023-03-13**	M.V. Naveen Kumar	**Ausstellatum:** *Issue date:* **2023-04-17**	Madhu K.N
Stellung / *Position:*	**M.V.Naveen Kumar** **Engineer**	**Stellung** / *Position:*	**Madhu K.N** **Senior Engineer**
Sonstiges / *Other:*	FCC ID: 2A6EK-SC-6275S-002		
Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:*	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*		

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. *The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.*
2	Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. *As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.*
3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. *Test clauses with remark of * are subcontracted to qualified subcontractors and descripted under the respective test clause in the report.* *Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.*
4	Die Entscheidungsregel für Konformitätserklärungen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. *The decision rule for statements of conformity in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report.*

TEST SUMMARY

Test Item	Applicable Standard FCC 47 CFR 15	Result
Emission Bandwidth	15.407 (a) & (e)	Pass
Frequency Stability	15.407 (g)	Pass
Maximum conducted output power	15.247 (b) & 15.407 (a)	Pass
Maximum Power spectral density	15.407 (a)	Pass
Dynamic Frequency Selection	15.407 (h)	Pass
Spurious Radiated Emissions & Restricted Bands of Operation	15.407 (b) / (15.205 &15.209)	Pass
Conducted Spurious Emission on AC Power Lines	15.207	Pass
Antenna Requirement	15.203	Pass

Product Category: Electronics Testing
Test Discipline : EMC Test Facility

REVISION HISTORY OF THIS REPORT

Report Number	Version	Description	Issue date
IN237CT8 001	01	Initial issue of report	2023-04-17

Table of Contents

1 GENERAL REMARKS

1.1 Attachments

All attachments are part of this test report and are issued in separate document

1. TEST SETUP PHOTOS

2: EUT EXTERNAL PHOTOS

3: EUT INTERNAL PHOTOS

4: FCC LABEL AND LABEL LOCATION

5: BLOCK DIAGRAM

6: SPECIFICATION OF EUT

7: SCHEMATIC DIAGRAM

8: BILL OF MATERIAL

9: USER MANUAL

10: MAXIMUM PERMISSIBLE EXPOSURE INFORMATION

11. APPENDIX-1 FOR TEST PLOTS

2 TEST SITES

2.1 Testing Facilities

1. TÜV Rheinland (India) Pvt.Ltd.,
   27/B, 2nd Cross,
   ElectronicCityPhase1
   Bangalore – 560 100,
   India

   Radiated Measurement site type :
   Fully anechoic chamber (used for above 1 GHz measurements)

2. TUV Rheinland (India) Pvt.Ltd.,
   108 , Beside ISBR Business School,
   Electronic city Phase I
   Bangalore - 560 100.
   India

   Radiated Measurement site type :
   Semi anechoic chamber (used for below 1 GHz measurements)

2.2 List of Test and Measurement Instruments

Table 1: List of test and measurement instruments

Equipment	Manufacturer	Model Name	Serial Number	Firmware Versions	Calibration Due Date	Periodicity	Test Facility
EMI Receiver	Rohde & Schwarz	ESW 44	101732	4.73 SP5	04.08.2023	Yearly	Radiated Spurious Emission
Active loop antenna	Schwarzbeck	FMZB 1519 B	1519B-00111	-	12.10.2023	Yearly	
Balun & Biconical Antenna	Schwarzbeck mess-elektronik	BBA 9106+VHBB 9124	9124-1117	-	15.07.2023	Yearly	
Log-Periodic Antenna	Schwarzbeck mess-elektronik	VUSLP-9111B	9111B-324	-	23.05.2023	Yearly	
Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-01944	-	11.10.2023	Yearly	
EMI Test Receiver	Rohde & Schwarz	ESW44	101773	1.72.SP1	15.02.2024	Yearly	
Semi Anechoic Chamber	Frankonia	-	-	-	-	-	
Fully Anechoic Chamber	Albatross	-	-	-	-	-	
Spectrum Analyzer	Agilent	E4407B	US41192772	A.14.07	27.12.2023	Yearly	Conducted Test Parameters
10dB Attenuator	H+S Electronics Pvt. Ltd	6810.17.A	770041	-	19.03.2023	Yearly	
Signal Analyzer	Rohde & Schwarz	FSV7	101644	3.40	03.02.2024	Yearly	
Open Switch & Control Unit	Rohde & Schwarz	OSP120 Incl. B157	OSP120-101323 & B157-100894	1.27.0.0	16.12.2023	Yearly	
Vector Signal Generator	Rohde & Schwarz	SMBV 100A	260789	4.15.125.49	03.02.2024	Yearly	
RF and microwave Signal Generator	Rohde & Schwarz	SMB 100A	108788	3.01.203.32	03.02.2024	Yearly	
EMI Receiver	Rohde & Schwarz	ESR7	101133	3.48 SP3	22.07.2023	Yearly	Conducted AC Power line Test
Line Impedance Stabilization Network	Rohde & Schwarz	ENV 216	101434	-	11.04.2023	Yearly	
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100811	-	12.07.2023	Yearly	

Table 2: Instrument application Software versions

SL. No.	Test Type	Application software	Version
1	Radiated spurious emission measurement in 10mtr-SAC	BAT EMC	3.20.0.17
2	Radiated spurious emission measurement in FAC	EMC 32	10.60.20
3	Antenna Port conducted measurement: TS8997 system	WMS 32	10.60.20

3 GENERAL PRODUCT INFORMATION

3.1 Product Function and Intended Use

Cradlewise smart crib is a self-soothing crib that automatically rocks the baby to sleep. It has an in-built baby monitor that senses the baby's wake-ups, and in response bounces and plays music.Cradlewise's baby monitor has an in-built night vision camera. It converts from a bassinet to a crib, so it can be used for up to 24-month-old baby.

3.2 Ratings and System Details of Equipment under Test

Table 3: Ratings and System Details as declared by the Client*

Radio Protocol		WI-FI 5GHz
Operating Frequency Range		UNII-1 _ 5150MHz to 5250MHz UNII-2a _ 5250MHz to 5350MHz UNII-2c _ 5470MHz to 5725MHz UNII-3 _ 5725MHz to 5825MHz
No. of Channels		(Refer Table 5)
Channel Spacing		20 MHz, 40MHz, 80MHz
Modulation		802.11a/n/ac: OFDM, 802.11ax: OFDMA
Power level index setting used		Refer Clause 9
Maximum Measured Average Power (dBm)		16.03dBm @ UNII-3(5745MHz ax-mode HE20MHz)
Number of antennas		2
Frequency range of Antenna Gain		3.3dBi (max peak gain)
Antenna Type		Molex 2042811100 balanced, dipole-type antenna
Supply Voltage to Product		12VDC using an AC-DC Adapter
Environmental Conditions	Storage	5℃ to +60℃ Relative Humidity 5% < to <95%
	Operating	5℃ to +40℃ Relative Humidity 10%< to <90%
EUT Dimension(L x Wx H)		1070mm x970mm x 638mm

*__Disclaimer__: The information/data is supplied by the client and the same is considered to arrive at the final value. Any changes made apart from the specified specification, can directly impact on the tests results. Refer the products user manual for more details.

Note: Product **Cradlewise Smart Crib** has multiple protocols. All the supported wireless protocols and their respective test results are issued in separate test reports, refer clause 4.7 Report Reference

3.3 Measurement Uncertainty:

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$

Table 4: Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3 dB
Unwanted Emissions, conducted	±3 dB
SAC, radiated measurement	±6 dB
FAC, radiated measurement	±6 dB
Temperature	±3 ℃
Supply Voltages	±3 %
Time	±5 %

4 TEST SET-UP AND OPERATION MODE

4.1 Principle of Configuration Selection

Transmission was enabled with highest possible duty cycle on low, mid and high channels.

4.2 UUT Operation and Software

Hardware Version : 2V0

Software version : 3.00

Software Name: Cradlewise smart crib firmware

Hardware Name: Cradlewise smart crib

4.3 Special Accessories and Auxiliary Equipment

Model Number	Power Adapter Ratings
NY-PW0Y1-01203000	Class 2 Power supply Input: 100-240V~, 50/60Hz 1.5A Output: 12VDC_3000mA

Master device (Router) : FCC ID : MSQ-RTAXHP00

4.4 Simultaneous Transmission

This product supports Simultaneous transmission

4.5 Countermeasures to achieve EMC Compliance

- None

4.6 List of frequencies

Frequency Band	Channel No.	Frequency (MHz)
5150–5250 MHz	36	5180
	38	5190
	40	5200
	42	5210
	44	5220
	46	5230
	48	5240
UNII 2A (5250-5350)	52	5260
	54	5270
	56	5280
	58	5290
	60	5300
	62	5310
	64	5320
UNII 2C (5470-5725)	100	5500
	102	5510
	106	5530
	108	5540
	112	5560
	116	5580
	120	5600
	124	5620
	128	5640
	132	5660
	134	5670
	136	5680
	138	5690
	140	5700
	142	5710
	144	5720
5725-5825 MHz	149	5745
	151	5755
	159	5795
	165	5825

Table 5: List of Wi-Fi center Frequencies

Channel used for Wi-Fi Testing

Channel Bandwidth (20MHz)	Channel Bandwidth (40MHz)	Channel Bandwidth (80MHz)
5180	5190	5210
5240	5230	5290
5260	5270	5530
5320	5310	5690
5500	5510	5755
5700	5590	-
5720	5670	-
5745	5710	-
5825	5755	-
-	5795	-

Note:

TUV Sample Identification number : A003384834-001 – Radiated test Sample
A003384834-003– Conducted test Sample

4.7 Report Reference

Note: Product **Cradlewise Smart Crib** has multiple protocols. All the supported wireless protocols and their respective test results are issued in saparate test reports, following table lists the report numbers.

Radio Protocol	**Report Number**
RF test report for Wi-Fi (2.4GHz) & BLE (2.4GHz)	IN239C07 001
RF test report for Wi-Fi (5GHz) – (This report)	**IN237CT8 001**
RF test report for Bluetooth (2.4GHz)	IN23FVRY 001

5 OPERATIONAL DESCRIPTION

The smart crib runs on 12V DC power supply supplied by an AC to DC adapter connected to 110V 60Hz AC supply. It relies on cameras and microphones to detect signs of the baby waking up. In response to these signs the cradle starts an up and down movement using a motor and starts playing white noise/music using a speaker. The product connects to the internet using WiFi and allows caregivers to monitor the baby on their phones using an app. The night vision features allow unobtrusive monitoring at night too.

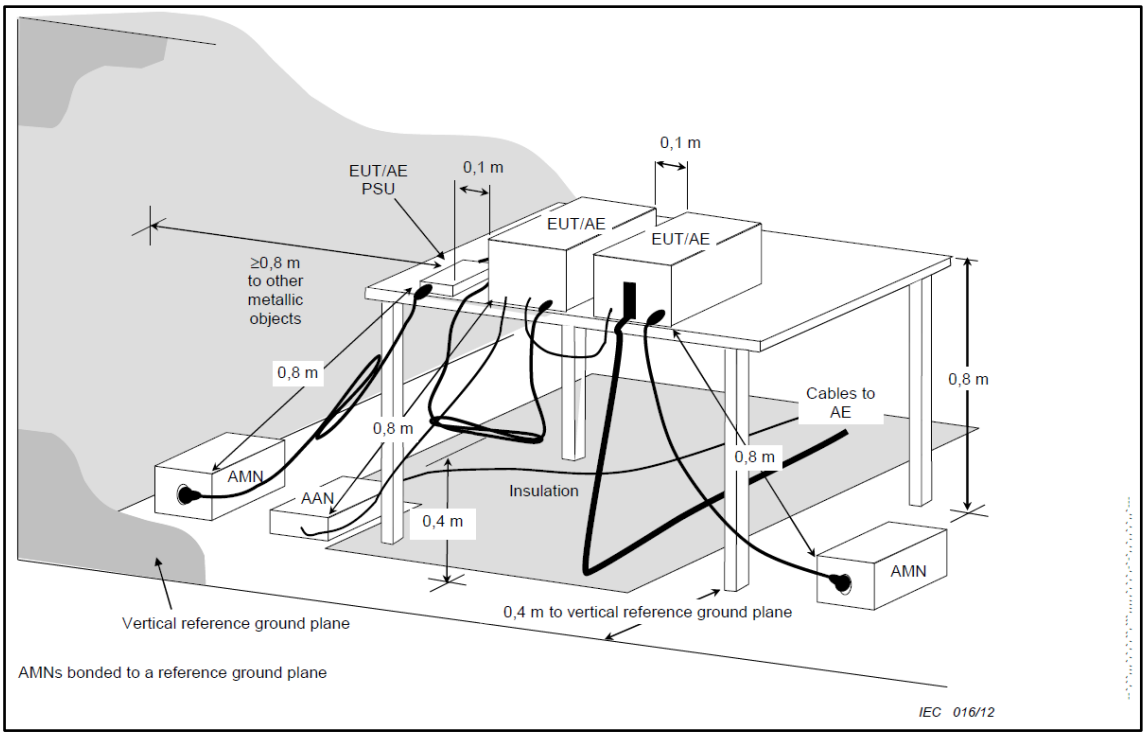
6 TEST METHODOLOGY

6.1 Conducted Spurious Emission AC Power line Test

Measured levels of ac power-line conducted emission across the 50Ω LISN port (to which the EUT is connected). All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer.

The device is placed on the test table, raised 80cm above the referance ground plane. The vertical conducting plane is located 40cm to the rear of the device. AC Conducted emission measurement is made over frequency range from 150kHz to 30MHz, this measurement was performed with EUT powered with an AC adaptor with 110V AC 60Hz supply .

6.1.1 Test Setup Configuration



6.2 Radiated Emission Test

The radiated emission measurement was performed according to the procedures in ANSI C63.10-2013. The equipment under test (EUT) was placed at the middle of the 80 cm high turntable for below 1 GHz & 1.5 m height for above 1 GHz measurement, and the EUT is 3 meters far from the measuring antenna. The turntable was rotated 360° for obtaining the maximum emission. The height of the measuring antennas was scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. Repeat the measurement steps until the maximum emissions were obtained. The measurement above 1000 MHz was performed by horn antenna, The measurement below 30 MHz was performed by loop antenna, Measurement from 30 MHz to 200 MHz was performed by Baloon and Biconical Antenna, and mesurement from 200 MHz to 1 GHz was performed by Log-Periodic Antenna.

The EUT was rotated around the X-, Y-, and Z-Axis and the results from worst case axis are recorded

6.2.1 Test Setup Configuration

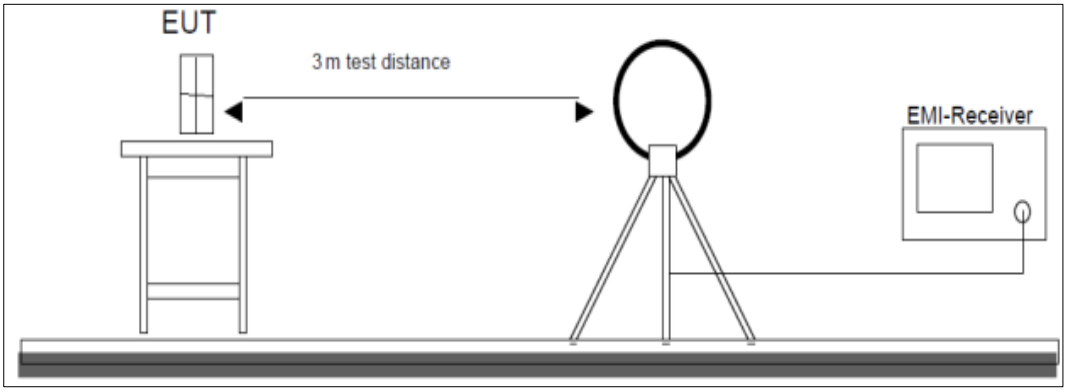


Figure 1: Frequency Range 9 kHz- 30 MHz

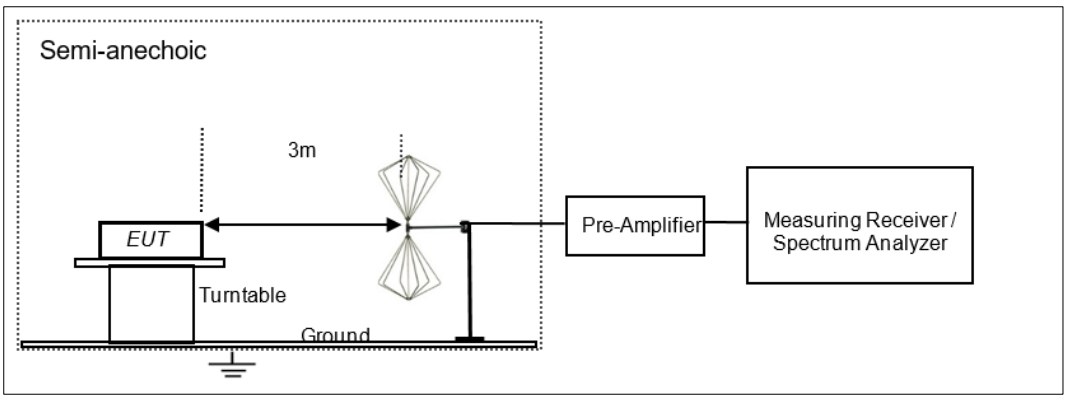


Figure 2: Frequency Range 30 MHz – 200 MHz

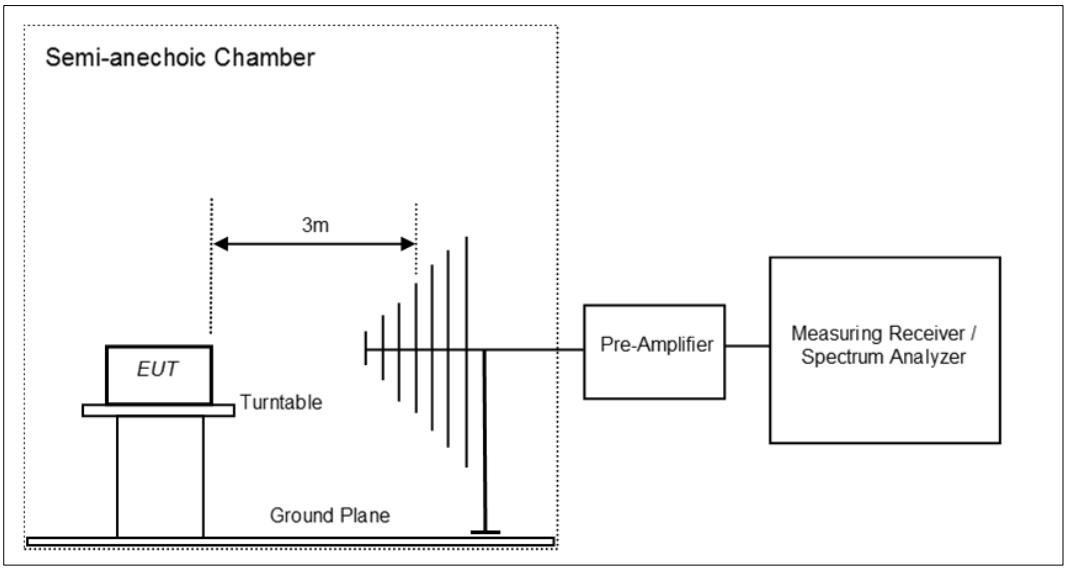


Figure 3: Frequency Range 200 MHz - 1GHz

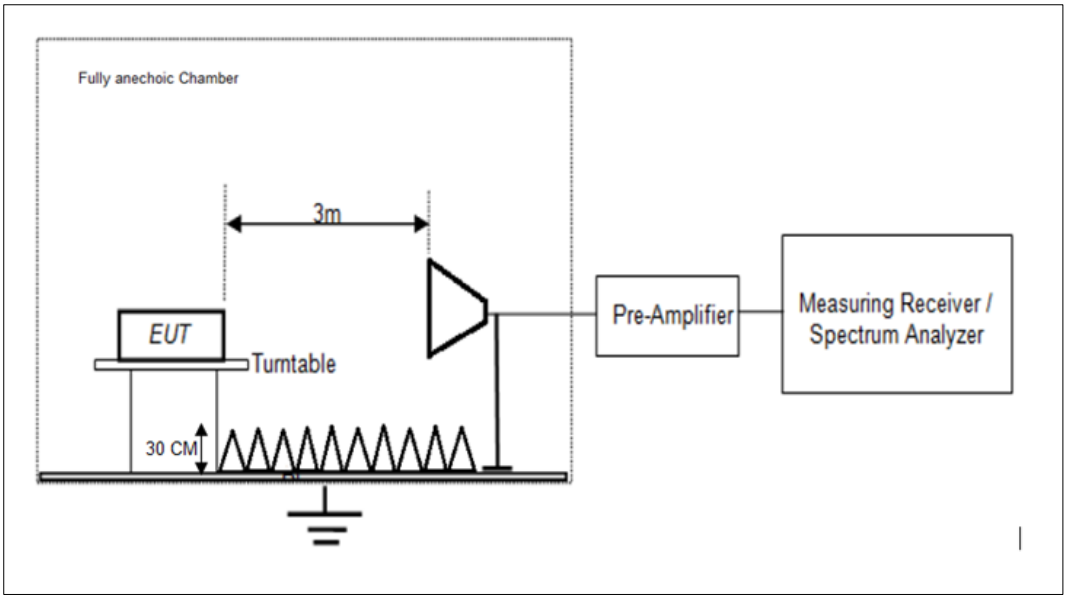


Figure 4: Frequency Range above 1 GHz

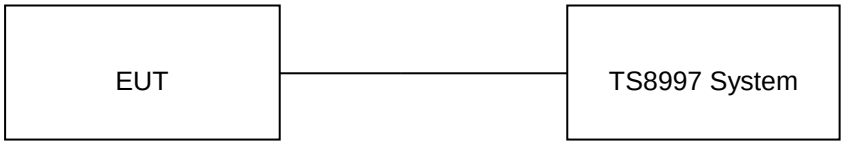
7 TEST RESULTS

7.1 Emission Bandwidth

Result ***Pass***

Test Specification	FCC part 15 Subpart C & E, 15.247 (a) (2), 15.407 (a) & (e)
Test Method	Subclause 6.9.2 of ANSI C63.10
Measurement Bandwidth	Refer Test Method below
Detector	Refer Test Method below
Port of testing	Antenna port
Requirement	1. 99% emission band width measurement for reporting purpose only in the band 5150-5250 MHz 2. 99% emission band width measurement for reporting purpose only in the band 5250-5350 MHz 3. 99% emission band width measurement for reporting purpose only in the band 5470-5725 MHz 2. For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz

Test Method



The following procedure shall be used for measuring (99%) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW
3. Set RBW = 1% to 5% of the OBW
4. Set VBW ≥ 3 × RBW
5. Use the 99% power bandwidth function of the instrument
6. Use sample detector with single sweep mode, or use Peak detector and Max Hold mode (until the trace is stabilized)

The following procedure shall be used for measuring 6dB or 26dB emission bandwidth:

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW
3. Set RBW = 1% to 5% of the OBW (for 26 dB BW) & 100 kHz (for 6dB BW)
4. Set VBW ≥ 3 × RBW
5. Determine the "−xx dB down amplitude" using [(reference value) − xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.

Note : All the steps in measurement method of KDB 789033 D02, ANSI C63.10 section 6.9.2 & 6.9.3, are followed

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 12VDC through AC-DC Adapter Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section C & D in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test results:

Note:

1. All the losses are included during measurement
2. Testing has been performed in MIMO mode condition.

Note: Refer Attached Appendix for test Plots

Modulation: 802.11a

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
6Mbps	UNII 1	5180	21.80	16.80
		5240	21.80	16.70
	UNII 2a	5260	21.50	16.90
		5320	21.50	16.70
	UNII 2c	5500	21.70	16.70
		5700	21.60	16.70
		5720	15.95	13.55
54Mbps	UNII 1	5180	21.60	16.80
		5240	21.40	16.80
	UNII 2a	5260	21.50	16.70
		5320	21.70	16.80
	UNII 2c	5500	21.50	16.80
		5700	21.50	16.80
		5720	15.85	13.45

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
6Mbps	UNII 3	5745	16.40	16.80
		5825	16.40	16.70
54Mbps		5745	16.60	16.70
		5825	16.60	16.80

Modulation: 802.11n HT20

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5180	22.00	17.80
		5240	21.90	18.00
	UNII 2a	5260	21.70	17.90
		5320	21.80	17.90
	UNII 2c	5500	21.70	17.90
		5700	21.80	17.80
		5720	16.05	14.05
MCS7	UNII 1	5180	21.90	17.80
		5240	21.70	17.80
	UNII 2a	5260	21.70	17.90
		5320	21.70	17.90
	UNII 2c	5500	21.70	17.90
		5700	21.70	17.90
		5720	15.85	14.05

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5745	17.40	17.80
		5825	17.40	17.90
MCS7		5745	17.85	17.90
		5825	17.85	17.90

Modulation: 802.11ac VHT20

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5180	22.20	17.90
		5240	21.90	18.00
	UNII 2a	5260	21.80	17.90
		5320	21.70	17.90
	UNII 2c	5500	21.80	17.80
		5700	21.80	17.90
		5720	16.05	14.05
MCS8	UNII 1	5180	22.10	17.90
		5240	21.60	17.90
	UNII 2a	5260	21.60	18.00
		5320	21.70	17.90
	UNII 2c	5500	21.70	17.90
		5700	21.80	17.90
		5720	15.85	14.05

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5745	17.40	17.90
		5825	17.65	17.90
MCS8		5745	17.85	17.90
		5825	17.85	17.80

Modulation: 802.11ax HE20

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5180	21.70	19.00
		5240	21.70	19.00
	UNII 2a	5260	21.60	19.00
		5320	21.70	19.10
	UNII 2c	5500	21.60	19.00
		5700	21.60	18.90
		5720	16.05	14.55
MCS11	UNII 1	5180	21.90	19.20
		5240	21.90	19.10
	UNII 2a	5260	21.90	19.20
		5320	22.00	19.10
	UNII 2c	5500	21.90	19.20
		5700	21.90	19.10
		5720	16.05	14.65

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5745	18.85	19.00
		5825	18.65	18.90
MCS11		5745	19.25	19.10
		5825	19.25	19.10

Modulation: 802.11n HT40

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5190	41.12	36.50
		5230	40.37	37.00
	UNII 2a	5270	40.37	36.75
		5310	40.22	36.75
	UNII 2c	5510	40.22	36.50
		5590	40.37	36.75
		5670	40.07	36.50
		5710	40.52	36.50
MCS7	UNII 1	5190	40.52	36.50
		5230	40.07	36.50
	UNII 2a	5270	39.92	36.50
		5310	39.62	36.50
	UNII 2c	5510	39.77	36.50
		5590	39.92	36.50
		5670	39.77	36.50
		5710	40.07	36.50

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5755	36.40	36.75
		5795	36.40	36.50
MCS7		5755	36.55	36.50
		5795	36.55	36.50

Modulation: 802.11ac VHT40

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5190	41.17	36.75
		5230	40.37	36.75
	UNII 2a	5270	40.22	36.75
		5310	40.37	36.75
	UNII 2c	5510	40.52	36.75
		5590	40.37	36.75
		5670	40.22	36.75
		5710	40.52	36.75
MCS9	UNII 1	5190	41.27	36.75
		5230	39.77	36.50
	UNII 2a	5270	39.77	36.50
		5310	39.92	36.50
	UNII 2c	5510	40.22	36.50
		5590	39.92	36.50
		5670	39.92	36.50
		5710	40.52	36.50

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5755	36.45	36.50
		5795	36.40	36.75
MCS9		5755	36.55	36.50
		5795	36.55	36.50

Modulation: 802.11ax HE40

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5190	40.22	37.75
		5230	40.37	37.75
	UNII 2a	5270	40.37	37.75
		5310	40.37	37.75
	UNII 2c	5510	40.22	37.75
		5590	40.22	37.50
		5670	40.22	37.75
		5710	40.37	37.75
MCS11	UNII 1	5190	40.82	37.75
		5230	40.22	37.75
	UNII 2a	5270	40.37	37.75
		5310	40.22	37.75
	UNII 2c	5510	40.67	37.75
		5590	40.52	37.50
		5670	40.37	37.75
		5710	40.67	37.75

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5755	38.00	37.75
		5795	37.85	37.50
MCS11		5755	38.05	37.75
		5795	37.95	37.50

Modulation: 802.11ac VHT80

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5210	82.70	76.00
	UNII 2a	5290	83.50	76.00
	UNII 2c	5530	83.50	76.50
		5690	83.50	76.50
MCS9	UNII 1	5210	82.01	76.50
	UNII 2a	5290	82.50	76.00
	UNII 2c	5530	82.50	76.50
		5690	82.50	76.50

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5775	76.15	76.50
MCS9		5775	76.55	76.50

Modulation: 802.11ax HE80

Data rate	Band	Channel frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 1	5210	82.25	77.50
	UNII 2a	5290	82.50	77.50
	UNII 2c	5530	83.00	77.50
		5690	83.50	77.50
MCS11	UNII 1	5210	81.72	77.50
	UNII 2a	5290	82.50	77.50
	UNII 2c	5530	82.50	77.50
		5690	83.00	77.50

Data rate	Band	Channel frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
MCS0	UNII 3	5775	77.70	77.50
MCS11		5775	78.05	77.50

7.2 Maximum Conducted Output Power

Result ***Pass***

Test Specification	FCC part 15 Subpart C 15.247 (b) (2) & 15.407 (a)
Test Method	Subclause 12.3.3.2 of ANSI C63.10
Measurement Bandwidth	Refer the remarks below
Detector	Average sample detector mode
Port of testing	Antenna port
Requirement for FCC	1. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW 2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz 3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W

Test Method

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 12VDC through AC-DC Adapter Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section E (2) sub-section (d) in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test results:

Note:

1. All the losses are included during measurement.
2. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is (3.37 dBi)
3. Testing has been perforning in MIMO mode condition.

Modulation: 802.11a

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
6Mbps	UNII 1	5180	12.25	24.00	-11.75
		5240	11.78	24.00	-12.22
	UNII 2a	5260	13.54	23.03	-9.49
		5320	13.08	23.03	-9.95
	UNII 2c	5500	9.92	23.03	-13.11
		5700	10.95	23.03	-12.08
		5720	10.78	23.03	-12.25
	UNII 3	5745	15.94	30.00	-14.06
		5825	15.84	30.00	-14.16
54Mbps	UNII 1	5180	12.11	24.00	-11.89
		5240	11.69	24.00	-12.31
	UNII 2a	5260	13.43	23.00	-9.57
		5320	12.96	23.00	-10.04
	UNII 2c	5500	9.84	23.00	-13.16
		5700	10.90	23.00	-12.10
		5720	10.64	23.00	-12.36
	UNII 3	5745	15.91	30.00	-14.09
		5825	15.81	30.00	-14.19

Modulation: 802.11n HT20

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5180	12.16	24.00	-11.84
		5240	11.84	24.00	-12.16
	UNII 2a	5260	13.51	23.05	-9.54
		5320	12.88	23.05	-10.17
	UNII 2c	5500	9.99	23.05	-13.06
		5700	10.89	23.05	-12.16
		5720	10.80	23.05	-12.25
	UNII 3	5745	15.87	30.00	-14.13
		5825	15.82	30.00	-14.18
MCS7	UNII 1	5180	11.03	24.00	-12.97
		5240	10.65	24.00	-13.35
	UNII 2a	5260	13.44	23.00	-9.56
		5320	12.88	23.00	-10.12
	UNII 2c	5500	8.09	23.00	-14.91
		5700	9.36	23.00	-13.64
		5720	9.04	23.00	-13.96
	UNII 3	5745	15.01	30.00	-14.99
		5825	14.89	30.00	-15.11

Modulation: 802.11ac VHT20

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5180	12.13	24.00	-11.87
		5240	11.79	24.00	-12.21
	UNII 2a	5260	13.45	24.00	-10.55
		5320	12.98	24.00	-11.02
	UNII 2c	5500	9.91	24.00	-14.09
		5700	10.97	24.00	-13.03
		5720	10.77	24.00	-13.23
	UNII 3	5745	15.89	30.00	-14.11
		5825	15.83	30.00	-14.17
MCS8	UNII 1	5180	7.80	24.00	-16.20
		5240	7.40	24.00	-16.60
	UNII 2a	5260	13.55	24.00	-10.45
		5320	12.92	24.00	-11.08
	UNII 2c	5500	5.52	24.00	-18.48
		5700	6.72	24.00	-17.28
		5720	7.05	24.00	-16.95
	UNII 3	5745	13.14	30.00	-16.86
		5825	13.11	30.00	-16.89

Modulation: 802.11ax HE20

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5180	12.35	24.00	-11.65
		5240	11.97	24.00	-12.03
	UNII 2a	5260	13.67	24.00	-10.33
		5320	13.04	24.00	-10.96
	UNII 2c	5500	10.06	24.00	-13.94
		5700	11.11	24.00	-12.89
		5720	10.99	24.00	-13.01
	UNII 3	5745	16.03	30.00	-13.97
		5825	15.97	30.00	-14.03
MCS11	UNII 1	5180	11.30	24.00	-12.70
		5240	10.91	24.00	-13.09
	UNII 2a	5260	12.83	24.00	-11.17
		5320	12.12	24.00	-11.88
	UNII 2c	5500	4.06	24.00	-19.94
		5700	4.86	24.00	-19.14
		5720	4.91	24.00	-19.09
	UNII 3	5745	10.11	30.00	-19.89
		5825	10.11	30.00	-19.89

Modulation: 802.11n HT40

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5190	11.30	24.00	-12.70
		5230	10.84	24.00	-13.16
	UNII 2a	5270	12.83	24.00	-11.17
		5310	12.30	24.00	-11.70
	UNII 2c	5510	8.26	24.00	-15.74
		5590	8.77	24.00	-15.23
		5670	9.01	24.00	-14.99
		5710	9.09	24.00	-14.91
	UNII 3	5755	15.46	30.00	-14.54
		5795	15.54	30.00	-14.46
MCS7	UNII 1	5190	10.77	24.00	-13.23
		5230	10.47	24.00	-13.53
	UNII 2a	5270	12.50	24.00	-11.50
		5310	11.99	24.00	-12.01
	UNII 2c	5510	8.60	24.00	-15.40
		5590	8.98	24.00	-15.02
		5670	9.50	24.00	-14.50
		5710	9.30	24.00	-14.70
	UNII 3	5755	15.30	30.00	-14.70
		5795	15.39	30.00	-14.61

Modulation: 802.11ac VHT40

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5190	11.03	24.00	-12.97
		5230	10.72	24.00	-13.28
	UNII 2a	5270	12.70	24.00	-11.30
		5310	12.19	24.00	-11.81
	UNII 2c	5510	7.84	24.00	-16.16
		5590	8.48	24.00	-15.52
		5670	8.94	24.00	-15.06
		5710	8.99	24.00	-15.01
	UNII 3	5755	15.52	30.00	-14.48
		5795	15.61	30.00	-14.39
MCS9	UNII 1	5190	10.93	24.00	-13.07
		5230	10.66	24.00	-13.34
	UNII 2a	5270	12.65	24.00	-11.35
		5310	12.12	24.00	-11.88
	UNII 2c	5510	3.94	24.00	-20.06
		5590	4.38	24.00	-19.62
		5670	5.09	24.00	-18.91
		5710	4.89	24.00	-19.11
	UNII 3	5755	11.44	30.00	-18.56
		5795	11.50	30.00	-18.50

Modulation: 802.11ax HE40

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5190	11.23	24.00	-12.77
		5230	10.93	24.00	-13.07
	UNII 2a	5270	12.86	24.00	-11.14
		5310	12.38	24.00	-11.62
	UNII 2c	5510	8.64	24.00	-15.36
		5590	8.90	24.00	-15.10
		5670	9.10	24.00	-14.9
		5710	9.32	24.00	-14.68
	UNII 3	5755	15.71	30.00	-14.29
		5795	15.82	30.00	-14.18
MCS11	UNII 1	5190	11.15	24.00	-12.85
		5230	10.81	24.00	-13.19
	UNII 2a	5270	12.88	24.00	-11.12
		5310	12.34	24.00	-11.66
	UNII 2c	5510	2.89	24.00	-21.11
		5590	3.13	24.00	-20.87
		5670	3.62	24.00	-20.38
		5710	3.58	24.00	-20.42
	UNII 3	5755	8.67	30.00	-21.33
		5795	8.92	30.00	-21.08

Modulation: 802.11ac VHT80

Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5210	7.50	24.00	-16.50
	UNII 2a	5290	6.92	24.00	-17.08
	UNII 2c	5530	6.86	24.00	-17.14
		5690	7.67	24.00	-16.33
	UNII 3	5775	14.36	30.00	-15.64
MCS9	UNII 1	5210	7.44	24.00	-16.56
	UNII 2a	5290	6.69	24.00	-17.31
	UNII 2c	5530	1.91	24.00	-22.09
		5690	2.27	24.00	-21.73
	UNII 3	5775	8.33	30.00	-21.67

Modulation: 802.11ax VHT80

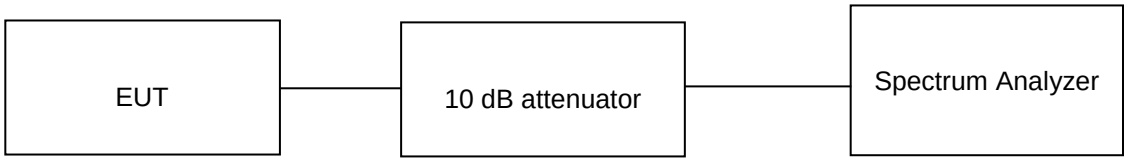
Data rate	Band	Channel frequency (MHz)	Measured average power (dBm)	Limit (dBm)	Margin (dB)
MCS0	UNII 1	5210	9.53	24.00	-14.47
	UNII 2a	5290	7.44	24.00	-16.56
	UNII 2c	5530	7.36	24.00	-16.64
		5690	8.12	24.00	-15.88
	UNII 3	5775	14.54	30.00	-15.46
MCS11	UNII 1	5210	9.68	24.00	-14.32
	UNII 2a	5290	9.29	24.00	-14.71
	UNII 2c	5530	3.63	24.00	-20.37
		5690	4.12	24.00	-19.88
	UNII 3	5775	9.55	30.00	-20.45

7.3 Maximum Power Spectral Density

Result ***Pass***

Test Specification	FCC part 15 Subpart C 15.407 (a)
Test Method	Subclause 12.5 of ANSI C63.10
Measurement Bandwidth	300kHz/1 MHz
Detector	Average sample detector
Port of testing	Antenna port
Requirement for FCC	1. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band 2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band 3. For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band
Requirement for IC	1. For the band 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band 2. For the 5.25-5.35 GHz, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band 3. For the 5.47-5.725 GHz, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band 4. For the band 5.725-5.85 GHz, The output power spectral density shall not exceed 30 dBm in any 500 kHz band

Test Method:



The following procedure shall be used:

1. Set center frequency to the nominal EUT channel center frequency
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal
3. Set RBW = 1MHz (5.15-5.25 GHz band) / 500kHz (5.725-5.85 GHz band)
4. Set VBW ≥ 3 × RBW
5. Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode
8. Do not use sweep triggering. Allow the sweep to “free run.”
9. Trace average at least 100 traces and Compute power by integrating the spectrum across the EBW
10. Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission)
11. If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:

a. Set RBW = 300 kHz
b. Set VBW ≥ 3 RBW
c. If measurement bandwidth of Maximum PSD is specified in 500 kHz

PSD bandwidth correction Factor = 10 * log (500 kHz / RBW)

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 12VDC through AC-DC Adapter Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section F in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test results:

Note:
1. All the losses are included during measurement and final values are mentioned in the test report

10 dB attenuator + 0.8dB Cable loss = 10.8 dB total offset

2. Duty cycle correction factor is considered in Final Average power

Duty cycle Correction factor = 10*LOG (1/X) Where X is Duty Cycle

3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is (3.37 dBi)

Note: Refer Attached Appendix for test Plots

Modulation: 802.11a

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
6Mbps	UNII 1	5180	-1.94	-2.24	93.51	0.29	1.21	11.00
		5240	-1.22	-2.28	93.51	0.29	1.58	11.00
	UNII 2a	5260	-0.24	-0.85	93.46	0.29	2.77	11.00
		5320	0.25	-0.44	93.46	0.29	3.22	11.00
	UNII 2c	5500	-3.56	-3.87	93.47	0.29	-0.41	11.00
		5700	-3.58	-3.41	93.52	0.29	-0.19	11.00
		5720	-4.11	-2.88	93.47	0.29	-0.15	11.00
	UNII 3	5745	-2.26	-1.98	93.51	0.29	1.18	30.00
		5825	-3.52	-2.46	93.51	0.29	0.34	30.00
54Mbps	UNII 1	5180	-3.88	-4.62	64.74	1.89	0.66	11.00
		5240	-4.22	-4.84	64.70	1.89	0.38	11.00
	UNII 2a	5260	-1.76	-3.72	64.68	1.89	2.27	11.00
		5320	-2.44	-3.62	64.72	1.89	1.91	11.00
	UNII 2c	5500	-5.68	-6.42	64.74	1.89	-1.14	11.00
		5700	-5.74	-6.07	64.78	1.89	-1.01	11.00
		5720	-5.95	-5.33	64.75	1.89	-0.73	11.00
	UNII 3	5745	-4.46	-4.38	64.69	1.89	0.48	30.00
		5825	-5.04	-4.73	64.73	1.89	0.02	30.00

Modulation: 802.11n HT20

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5180	-1.62	-2.59	93.05	0.31	1.25	11.00
		5240	-1.51	-2.98	93.05	0.31	1.14	11.00
	UNII 2a	5260	-0.17	-1.81	93.10	0.31	2.41	11.00
		5320	-0.72	-0.85	93.05	0.31	2.54	11.00
	UNII 2c	5500	-3.00	-4.30	93.11	0.31	-0.28	11.00
		5700	-3.06	-3.42	93.11	0.31	0.08	11.00
		5720	-3.16	-3.18	93.01	0.31	0.16	11.00
	UNII 3	5745	-2.51	-2.23	93.05	0.31	0.96	30.00
		5825	-2.87	-2.65	93.10	0.31	0.56	30.00
MCS7	UNII 1	5180	-4.89	-6.03	63.05	2.00	-0.41	11.00
		5240	-4.21	-6.79	63.09	2.00	-0.30	11.00
	UNII 2a	5260	-2.32	-4.11	63.07	2.00	1.89	11.00
		5320	-1.75	-3.57	63.04	2.00	2.45	11.00
	UNII 2c	5500	-6.13	-7.81	63.10	2.00	-1.88	11.00
		5700	-6.47	-7.86	63.12	2.00	-2.10	11.00
		5720	-6.90	-7.17	63.13	2.00	-2.02	11.00
	UNII 3	5745	-5.05	-5.03	63.05	2.00	-0.03	30.00
		5825	-6.63	-5.84	63.05	2.00	-1.20	30.00

Modulation: 802.11ac VHT20

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5180	-1.39	-2.29	99.12	0.04	1.23	11.00
		5240	-1.15	-2.70	99.12	0.04	1.19	11.00
	UNII 2a	5260	0.32	-0.56	99.12	0.04	2.95	11.00
		5320	0.38	-0.76	99.12	0.04	2.90	11.00
	UNII 2c	5500	-2.78	-4.19	99.08	0.04	-0.38	11.00
		5700	-2.72	-2.96	99.08	0.04	0.21	11.00
		5720	-2.60	-3.32	99.08	0.04	0.11	11.00
	UNII 3	5745	-2.26	-2.03	99.07	0.04	0.91	30.00
		5825	-2.77	-2.20	99.13	0.04	0.57	30.00
MCS8	UNII 1	5180	-7.63	-7.85	92.12	0.36	-4.37	11.00
		5240	-6.22	-8.32	92.21	0.35	-3.78	11.00
	UNII 2a	5260	-0.73	-2.72	92.15	0.36	1.75	11.00
		5320	-1.57	-2.36	92.20	0.35	1.42	11.00
	UNII 2c	5500	-7.68	-9.11	92.27	0.35	-4.98	11.00
		5700	-8.72	-8.47	92.31	0.35	-5.24	11.00
		5720	-8.22	-8.51	92.31	0.35	-5.00	11.00
	UNII 3	5745	-6.10	-5.95	92.18	0.35	-2.66	30.00
		5825	-6.24	-6.26	92.24	0.35	-2.89	30.00

Modulation: 802.11ax HE20

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5180	-0.35	-1.75	98.14	0.08	2.10	11.00
		5240	-0.86	-2.22	98.19	0.08	1.60	11.00
	UNII 2a	5260	0.37	-1.35	98.14	0.08	2.69	11.00
		5320	0.60	-0.37	98.15	0.08	3.23	11.00
	UNII 2c	5500	-2.65	-3.05	98.15	0.08	0.25	11.00
		5700	-2.70	-3.17	98.20	0.08	0.16	11.00
		5720	-2.62	-3.04	98.15	0.08	0.27	11.00
	UNII 3	5745	-2.17	-2.07	98.19	0.08	0.97	30.00
		5825	-2.20	-2.35	98.19	0.08	0.82	30.00
MCS11	UNII 1	5180	-3.50	-4.99	84.38	0.74	-0.43	11.00
		5240	-3.70	-4.97	84.43	0.74	-0.54	11.00
	UNII 2a	5260	-2.74	-3.55	84.36	0.74	0.62	11.00
		5320	-1.99	-3.56	84.41	0.74	1.04	11.00
	UNII 2c	5500	-9.65	-11.72	84.59	0.73	-6.83	11.00
		5700	-10.02	-10.94	84.64	0.72	-6.72	11.00
		5720	-10.15	-10.66	84.66	0.72	-6.66	11.00
	UNII 3	5745	-9.12	-9.07	84.50	0.73	-5.35	30.00
		5825	-9.68	-9.52	84.51	0.73	-5.86	30.00

Modulation: 802.11n HT40

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5190	-6.13	-8.23	86.99	0.61	-3.44	11.00
		5230	-6.35	-7.96	87.01	0.60	-3.47	11.00
	UNII 2a	5270	-4.98	-7.05	86.93	0.61	-2.27	11.00
		5310	-5.09	-6.88	87.01	0.60	-2.28	11.00
	UNII 2c	5510	-8.81	-10.17	87.01	0.60	-5.82	11.00
		5590	-8.77	-10.46	87.01	0.60	-5.92	11.00
		5670	-9.67	-9.89	86.97	0.61	-6.16	11.00
		5710	-9.56	-10.29	87.01	0.60	-6.30	11.00
	UNII 3	5755	-8.04	-7.92	86.96	0.61	-4.36	30.00
		5795	-7.63	-7.49	86.95	0.61	-3.94	30.00
MCS7	UNII 1	5190	-8.06	-10.07	51.17	2.91	-3.03	11.00
		5230	-8.08	-10.33	51.18	2.91	-3.14	11.00
	UNII 2a	5270	-6.38	-8.27	51.14	2.91	-1.30	11.00
		5310	-6.37	-8.53	51.17	2.91	-1.40	11.00
	UNII 2c	5510	-9.95	-11.85	51.25	2.90	-4.88	11.00
		5590	-10.33	-11.44	51.27	2.90	-4.94	11.00
		5670	-10.05	-10.67	51.30	2.90	-4.44	11.00
		5710	-12.59	-11.51	51.22	2.91	-6.10	11.00
	UNII 3	5755	-8.50	-8.05	51.15	2.91	-2.35	30.00
		5795	-8.84	-8.98	51.19	2.91	-2.99	30.00

Modulation: 802.11ac VHT40

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5190	-5.87	-7.58	98.90	0.05	-3.58	11.00
		5230	-7.19	-8.15	98.84	0.05	-4.58	11.00
	UNII 2a	5270	-4.28	-5.92	98.89	0.05	-1.96	11.00
		5310	-5.07	-5.72	98.90	0.05	-2.32	11.00
	UNII 2c	5510	-8.37	-10.53	98.91	0.05	-6.26	11.00
		5590	-8.41	-9.89	98.91	0.05	-6.03	11.00
		5670	-8.17	-9.94	98.86	0.05	-5.91	11.00
		5710	-8.02	-9.92	98.86	0.05	-5.81	11.00
	UNII 3	5755	-7.63	-7.19	98.90	0.05	-4.35	30.00
		5795	-7.16	-7.15	98.90	0.05	-4.10	30.00
MCS9	UNII 1	5190	-6.12	-7.93	90.17	0.45	-3.47	11.00
		5230	-7.16	-7.69	90.17	0.45	-3.96	11.00
	UNII 2a	5270	-4.52	-5.90	90.15	0.45	-1.69	11.00
		5310	-4.63	-5.97	90.17	0.45	-1.79	11.00
	UNII 2c	5510	-11.82	-14.29	90.38	0.44	-9.43	11.00
		5590	-12.47	-13.60	90.40	0.44	-9.55	11.00
		5670	-11.66	-13.47	90.44	0.44	-9.02	11.00
		5710	-12.04	-13.62	90.50	0.43	-9.31	11.00
	UNII 3	5755	-10.93	-11.12	90.18	0.45	-7.56	30.00
		5795	-10.62	-10.89	90.18	0.45	-7.29	30.00

Modulation: 802.11ax HE40

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5190	-5.67	-7.85	96.57	0.15	-3.46	11.00
		5230	-6.75	-7.76	96.52	0.15	-4.06	11.00
	UNII 2a	5270	-4.32	-5.93	96.51	0.15	-1.89	11.00
		5310	-4.25	-5.93	96.52	0.15	-1.85	11.00
	UNII 2c	5510	-8.15	-9.41	96.53	0.15	-5.57	11.00
		5590	-8.51	-9.69	96.54	0.15	-5.90	11.00
		5670	-7.62	-9.12	96.59	0.15	-5.14	11.00
		5710	-8.72	-9.17	96.54	0.15	-5.78	11.00
	UNII 3	5755	-6.84	-7.77	96.57	0.15	-4.12	30.00
		5795	-7.10	-7.36	96.57	0.15	-4.07	30.00
MCS11	UNII 1	5190	-6.59	-7.95	79.03	1.02	-3.18	11.00
		5230	-6.41	-8.35	79.03	1.02	-3.24	11.00
	UNII 2a	5270	-5.02	-6.85	78.98	1.02	-1.80	11.00
		5310	-4.82	-6.68	79.06	1.02	-1.62	11.00
	UNII 2c	5510	-14.02	-15.73	79.40	1.00	-10.78	11.00
		5590	-13.48	-16.51	79.56	0.99	-10.73	11.00
		5670	-14.04	-15.87	79.68	0.99	-10.86	11.00
		5710	-14.48	-15.64	80.53	0.94	-11.07	11.00
	UNII 3	5755	-13.82	-13.56	79.22	1.01	-9.67	30.00
		5795	-13.39	-13.87	79.19	1.01	-9.60	30.00

Modulation: 802.11ac VHT80

Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5210	-11.80	-14.12	99.23	0.03	-9.76	11.00
	UNII 2a	5290	-12.50	-14.65	99.24	0.03	-10.40	11.00
	UNII 2c	5530	-13.10	-13.87	99.19	0.04	-10.42	11.00
		5690	-12.66	-14.15	99.19	0.04	-10.30	11.00
	UNII 3	5775	-11.17	-12.42	99.18	0.04	-8.70	30.00
MCS9	UNII 1	5210	-12.09	-14.30	92.34	0.35	-9.70	11.00
	UNII 2a	5290	-12.91	-15.10	92.40	0.34	-10.51	11.00
	UNII 2c	5530	-17.97	-19.35	92.57	0.34	-15.26	11.00
		5690	-17.81	-18.39	98.21	0.08	-15.00	11.00
	UNII 3	5775	-17.05	-17.44	92.45	0.34	-13.89	30.00

Modulation: 802.11ax HE80

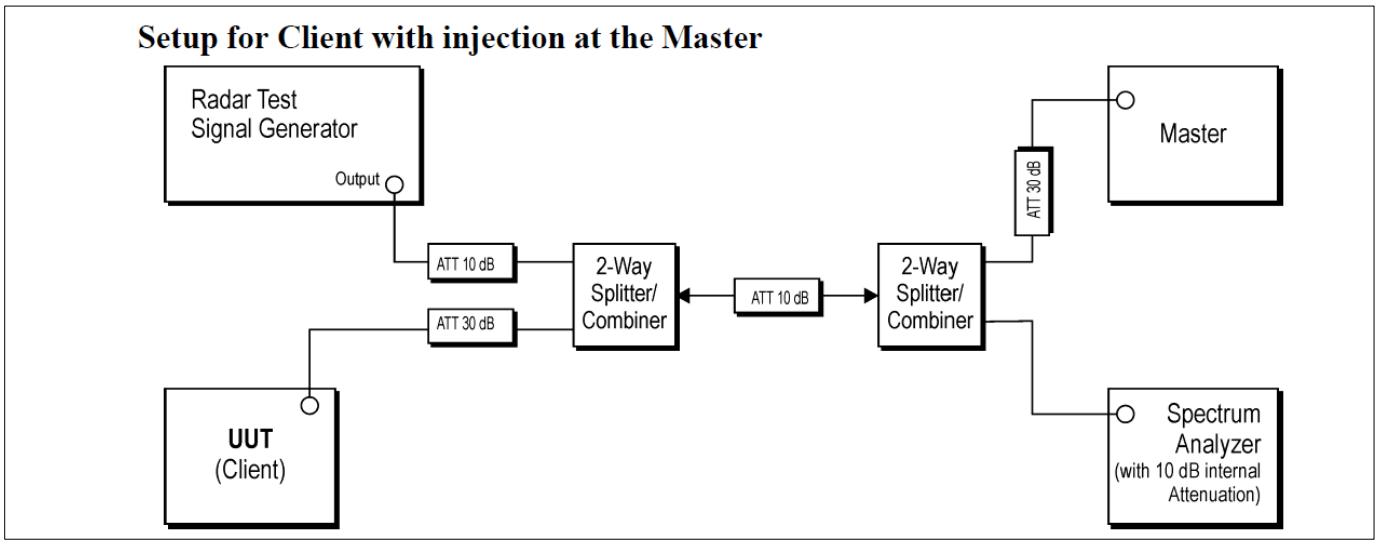
Data rate	Band	Channel frequency (MHz)	Measured average PSD (dBm/1MHz)		Duty cycle (X%)	Duty cycle correction factor (dB)	Total average PSD (dBm/1MHz)	Limit (dBm)
			Chain 1	Chain 2				
MCS0	UNII 1	5210	-11.78	-13.53	93.58	0.29	-9.27	11.00
	UNII 2a	5290	-12.66	-14.52	93.54	0.29	-10.19	11.00
	UNII 2c	5530	-12.58	-13.37	93.61	0.29	-9.66	11.00
		5690	-12.53	-13.33	93.63	0.29	-9.62	11.00
	UNII 3	5775	-11.20	-11.61	93.57	0.29	-8.10	30.00
MCS9	UNII 1	5210	-10.92	-12.48	75.37	1.23	-7.39	11.00
	UNII 2a	5290	-11.24	-12.94	75.40	1.23	-7.77	11.00
	UNII 2c	5530	-16.27	-18.19	75.75	1.21	-12.91	11.00
		5690	-16.97	-17.55	76.18	1.18	-13.06	11.00
	UNII 3	5775	-15.41	-15.76	75.55	1.22	-11.35	30.00

7.4 Dynamic Frequency Selection (DFS)

Result ***Pass***

Test Specification	15.407 (h) / RSS 247 Issue 2 Section 6.3
Test Method	FCC KDB Publication 905462 D02 & 905462 D03
Port of testing	Conducted method
UUT Type	Client without radar detection capabilities
Requirement	1. Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW 2. Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands

Test Setup :



Note: FCC Certified Access Point is used for testing with FCC ID: **MSQ-RTAXHP00**

Limits :

Applicability of DFS Requirements Prior to Use of a Channel

Requirement	**Operational Mode**		
	Master	**Client Without Radar Detection**	**Client With Radar Detection**
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Applicability of DFS requirements during normal operation

Requirement	**Operational Mode**	
	Master Device or Client with Radar Detection	**Client Without Radar Detection**
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

The operational behavior and individual DFS requirements that are associated with these modes are as follows: as per **KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02**

Client Devices

a) A *Client Device* will not transmit before having received appropriate control signals from a *Master Device*.

b) A *Client Device* will stop all its transmissions whenever instructed by a *Master Device* to which it is associated and will meet the *Channel Move Time* and *Channel Closing Transmission Time* requirements. The *Client Device* will not resume any transmissions until it has again received control signals from a *Master Device*.

c) If a *Client Device* is performing *In-Service Monitoring* and detects a *Radar Waveform* above the *DFS Detection Threshold*, it will inform the *Master Device*. This is equivalent to the *Master Device* detecting the *Radar Waveform* and d) through f) of section 5.1.1 apply.

d) Irrespective of *Client Device* or *Master Device* detection the *Channel Move Time* and *Channel Closing Transmission Time* requirements remain the same.

e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

DFS Detection Thresholds

below provides the *DFS Detection Thresholds* for *Master Devices* as well as *Client Devices* incorporating *In-Service Monitoring*.

DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Response Requirements

provides the response requirements for *Master* and *Client Devices* incorporating DFS.

DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. **Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. **Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Note :

1. This UUT is classified as Client device without radar detection capabilites, hence only *Channel Move Time* and *Channel Closing Transmission Time* are applicable
2. *Channel Move Time* and *Channel Closing Transmission Time* is performed with Radar Type 0
3. *U-NII Detection Bandwidth* is not applicable for this device

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 12VDC through AC-DC Adapter Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made following the guidelines of *905462 D02 UNII DFS Compliance Procedures New Rules v02 & 905462 D03 Client Without DFS New Rules v01r02*

Test results:

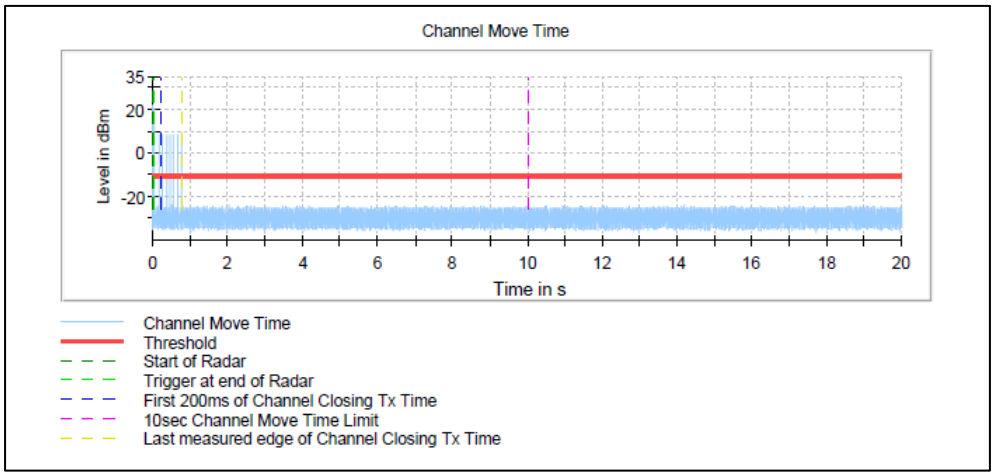
DFS In-Service Monitoring

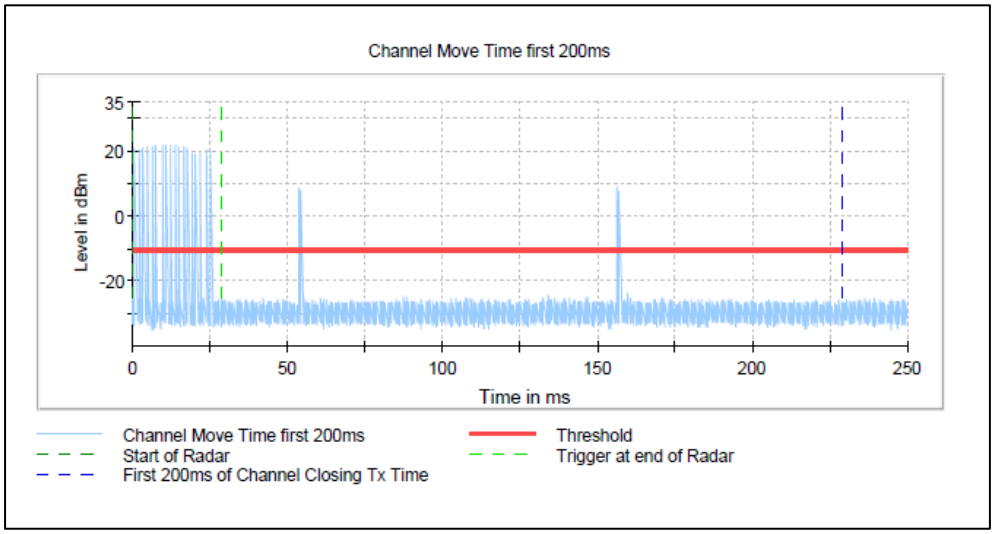
UNII band : UNII 2c

Modulation: 802.11ax

Channel Bandwidth : 80MHz

Operating Frequency (MHz)	Test	Measured Value	Limit
5530	Channel move Time	0.743 sec	10 sec
	Channel Closing Transmission Time	1.32ms + 3.964ms	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period


Channel Move Time
Level in dBm
35
20
0
-20
0
2
4
6
8
10
12
14
16
18
20
Time in s
Channel Move Time
Threshold
Start of Radar
Trigger at end of Radar
First 200ms of Channel Closing Tx Time
10sec Channel Move Time Limit
Last measured edge of Channel Closing Tx Time


Channel Move Time first 200ms
Level in dBm
35
20
0
-20
0
50
100
150
200
250
Time in ms
Channel Move Time first 200ms
Threshold
Start of Radar
Trigger at end of Radar
First 200ms of Channel Closing Tx Time

7.5 Spurious Radiated Emissions & Restricted Bands of Operation

Result ***Pass***

Test Specification	FCC part 15 Subpart C Section 15.407 (b) (15.205 & 15.209)
Test Method	ANSI C 63.10 – 2013
Measurement Bandwidth	100kHz for below 1GHz 1MHz for above 1GHz
Measurement Location	Semi Anechoic Chamber 30MHz - 1 GHz Fully Anechoic Chamber 1 GHz - 40GHz
Measuring Distance	3 m
Detector	Refer Remark
Requirement	As per the limits mentioned in the below table
Test setup	Refer TEST METHODOLOGY

Limit:

Table 6: Undesirable emission limits

Frequency Band	Limit
5.15-5.25 GHz	e.i.r.p. -27dBm [68.2 dBuV/3m]
5.25-5.35 GHz	e.i.r.p. -27dBm [68.2 dBuV/3m]
5.47-5.725 GHz	e.i.r.p. -27dBm [68.2 dBuV/3m]
5.725-5.85 GHz	5.715 GHz to 5.725 GHz - e.i.r.p. -17dBm [78.2 dBuV/3m] 5.85 GHz to 5.86 GHz - e.i.r.p. -17dBm [78.2 dBuV/3m] other frequency range - e.i.r.p. -27dBm [68.2 dBuV/3m]

Table 7: Transmitter limits for Radiated emission

Frequency (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Distance of Measurement (m)
0.009 – 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54	30*
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Remark: * The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54 dBµV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 23.2 °C Voltage = 12VDC through AC to DC Adapter Relative humidity: 62 %

Test results:

Note: All the losses are included during measurement and final values are mentioned in the test report. Refer TEST METHODOLOGY for more details

Test results for Frequency range : 9kHz – 30MHz

No Emissions found in the frequency range 9kHz – 30MHz

Test results for frequency range 30MHz – 1GHz

Antenna Polarization	Measured Frequency (MHz)	Measured Quasi peak value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	58.33	30.49	40.00	-9.51
	60.47	20.10	40.00	-19.9
	71.98	33.97	40.00	-6.03
	264.01	40.45	46.00	-5.55
	792.02	37.16	46.00	-8.84
	804.17	28.03	46.00	-17.97
Horizontal	120.00	36.11	43.50	-7.39
	167.98	34.30	43.50	-9.20
	264.00	40.18	46.00	-5.82
	527.99	36.74	46.00	-9.26
	599.97	37.77	46.00	-8.23
	791.96	42.20	46.00	-3.80

Test results for frequency range – 1GHz to 40 GHz

Modulation: 802.11a
Data rate: 6Mbps

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	100.71	-	-
		5180 (Av)		90.82	-	-
		5150 (Pk)		57.68	74*	-16.32
		5150 (Av)		35.96	54*	-18.04
		10360 (Pk)		52.57	68.23	-15.66
		10360 (Av)		39.56	54	-14.44
		15540 (Pk)		53.84	68.23	-14.39
		15540 (Av)		42.11	54	-11.89
		5180 (Pk)	Horizontal	108.03	-	-
		5180 (Av)		98.63	-	-
		5150 (Pk)		67.03	74*	-6.97
		5150 (Av)		42.36	54*	-11.64
		10360 (Pk)		51.63	68.23	-16.60
		10360 (Av)		39.61	54	-14.39
		15540 (Pk)		54.17	68.23	-14.06
		15540 (Av)		42.11	54	-11.89
	5240	5240 (Pk)	Vertical	97.89	-	-
		5240 (Av)		88.33	-	-
		5350 (Pk)		43.26	74*	-30.74
		5350 (Av)		30.90	54*	-23.10
		10480 (Pk)		52.80	68.23	-15.43
		10480 (Av)		40.58	54	-13.42
		15720 (Pk)		53.88	68.23	-14.35
		15720 (Av)		41.84	54	-12.16
		5240 (Pk)	Horizontal	106.26	-	-
		5240 (Av)		96.41	-	-
		5350 (Pk)		46.90	74*	-27.10
		5350 (Av)		35.03	54*	-18.97
		10480 (Pk)		53.36	68.23	-14.87
		10480 (Av)		40.55	54	-13.45
		15720 (Pk)		54.51	68.23	-13.72
		15720 (Av)		41.81	54	-12.19

UNII 2a	5320	5320 (Pk)	Vertical	101.02	-	-
		5320 (Av)		91.17	-	-
		5350 (Pk)		57.25	74*	-16.75
		5350 (Av)		37.16	54*	-16.84
		10640 (Pk)		52.75	68.23	-15.48
		10640 (Av)		40.53	54	-13.47
		15960 (Pk)		53.82	68.23	-14.41
		15960 (Av)		42.05	54	-11.95
		5320 (Pk)	Horizontal	109.09	-	-
		5320 (Av)		99.21	-	-
		5350 (Pk)		65.79	74*	-8.21
		5350 (Av)		44.07	54*	-9.93
		10640 (Pk)		52.32	68.23	-15.91
		10640 (Av)		40.55	54	-13.45
		15960 (Pk)		54.45	68.23	-13.78
		15960 (Av)		42.09	54	-11.91
UNII 2c	5500	5500 (Pk)	Vertical	97.62	-	-
		5500 (Av)		87.63	-	-
		5460 (Pk)		44.61	74*	-29.39
		5460 (Av)		32.83	54*	-21.17
		11000 (Pk)		53.62	68.23	-14.61
		11000 (Av)		41.45	54	-12.55
		16500 (Pk)		55.98	68.23	-12.25
		16500 (Av)		43.94	54	-10.06
		5500 (Pk)	Horizontal	105.31	-	-
		5500 (Av)		95.82	-	-
		5460 (Pk)		50.03	74*	-23.97
		5460 (Av)		37.81	54*	-16.19
		11000 (Pk)		54.36	68.23	-13.87
		11000 (Av)		41.48	54	-12.52
		16500 (Pk)		56.32	68.23	-11.91
		16500 (Av)		43.92	54	-10.08
	5600	5600 (Pk)	Vertical	95.53	-	-
		5600 (Av)		85.63	-	-
		5460 (Pk)		42.37	74*	-31.63
		5460 (Av)		30.16	54*	-23.84
		11200 (Pk)		53.40	68.23	-14.83
		11200 (Av)		41.09	54	-12.91
		16800 (Pk)		56.14	68.23	-12.09
		16800 (Av)		43.73	54	-10.27
		5600 (Pk)	Horizontal	104.67	-	-
		5600 (Av)		94.52	-	-
		5460 (Pk)		43.87	74*	-30.13
		5460 (Av)		31.77	54*	-22.23
		11200 (Pk)		53.63	68.23	-14.60
		11200 (Av)		41.12	54	-12.88
		16800 (Pk)		56.30	68.23	-11.93
		16800 (Av)		43.76	54	-10.24

	5700	5700 (Pk)	Vertical	95.71	-	-
		5700 (Av)		86.40	-	-
		5460 (Pk)		42.33	74*	-31.67
		5460 (Av)		29.73	54*	-24.27
		11400 (Pk)		53.97	68.23	-14.26
		11400 (Av)		41.86	54	-12.14
		17100 (Pk)		57.30	68.23	-10.93
		17100 (Av)		44.13	54	-9.87
		5700 (Pk)	Horizontal	105.42	-	-
		5700 (Av)		95.02	-	-
		5460 (Pk)		42.88	74*	-31.12
		5460 (Av)		30.71	54*	-23.29
		11400 (Pk)		53.41	68.23	-14.82
		11400 (Av)		42.04	54	-11.96
		17100 (Pk)		56.88	68.23	-11.35
		17100 (Av)		44.03	54	-9.97
UNII 3	5745	5745 (Pk)	Vertical	100.49	-	-
		5745 (Av)		91.27	-	-
		5715(Pk)		56.10	78.2*	-22.10
		5725(Pk)		65.36	78.2*	-12.84
		11490 (Pk)		55.33	68.23	-12.90
		11490 (Av)		43.52	54	-10.48
		17235 (Pk)		56.17	68.23	-12.06
		17235 (Av)		44.39	54	-9.61
		5745 (Pk)	Horizontal	109.04	-	-
		5745 (Av)		99.44	-	-
		5715(Pk)		66.60	78.2*	-11.6
		5725(Pk)		74.24	78.2*	-3.96
		11490 (Pk)		64.80	68.23	-3.43
		11490 (Av)		49.41	54	-4.59
		17235 (Pk)		56.51	68.23	-11.72
		17235 (Av)		44.30	54	-9.70
	5825	5825 (Pk)	Vertical	103.78	-	-
		5825 (Av)		93.94	-	-
		5850 (Pk)		60.69	78.2*	-17.51
		5860 (Pk)		53.86	78.2*	-24.34
		11650 (Pk)		54.99	68.23	-13.24
		11650 (Av)		42.85	54	-11.15
		17475 (Pk)		58.67	68.23	-9.56
		17475 (Av)		46.33	54	-7.67
		5825 (Pk)	Horizontal	110.42	-	-
		5825 (Av)		100.48	-	-
		5850 (Pk)		68.42	78.2*	-9.78
		5860 (Pk)		59.60	78.2*	-18.60
		11650 (Pk)		59.16	68.23	-9.07
		11650 (Av)		45.44	54	-8.56
		17475 (Pk)		58.38	68.23	-9.85
		17475 (Pk)		46.31	54	-7.69

Note:
*** : Indicate restricted band frequency in 15.205**
Pk: Peak Detector; Av: Average Detector

Modulation: **802.11a**
Data rate: **54Mbps**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	99.27	-	-
		5180 (Av)		85.26	-	-
		5150 (Pk)		48.29	74*	-25.71
		5150 (Av)		33.78	54*	-20.22
		10360 (Pk)		51.70	68.23	-16.53
		10360 (Av)		39.57	54	-14.43
		15540 (Pk)		54.55	68.23	-13.68
		15540 (Av)		42.14	54	-11.86
		5180 (Pk)	Horizontal	108.13	-	-
		5180 (Av)		94.27	-	-
		5150 (Pk)		55.25	74*	-18.75
		5150 (Av)		40.71	54*	-13.29
		10360 (Pk)		51.71	68.23	-16.52
		10360 (Av)		39.59	54	-14.41
		15540 (Pk)		54.61	68.23	-13.62
		15540 (Av)		42.16	54	-11.84
	5240	5240 (Pk)	Vertical	98.36	-	-
		5240 (Av)		84.51	-	-
		5350 (Pk)		43.88	74*	-30.12
		5350 (Av)		30.73	54*	-23.27
		10480 (Pk)		52.94	68.23	-15.29
		10480 (Av)		40.58	54	-13.42
		15720 (Pk)		53.84	68.23	-14.39
		15720 (Av)		41.88	54	-12.12
		5240 (Pk)	Horizontal	106.19	-	-
		5240 (Av)		92.07	-	-
		5350 (Pk)		46.82	74*	-27.18
		5350 (Av)		34.02	54*	-19.98
		10480 (Pk)		52.63	68.23	-15.60
		10480 (Av)		40.54	54	-13.46
		15720 (Pk)		54.09	68.23	-14.14
		15720 (Av)		41.85	54	-12.15

UNII 2a	5320	5320 (Pk)	Vertical	101.90	-	-
		5320 (Av)		88.11	-	-
		5350 (Pk)		51.37	74*	-22.63
		5350 (Av)		34.56	54*	-19.44
		10640 (Pk)		53.02	68.23	-15.21
		10640 (Av)		40.41	54	-13.59
		15960 (Pk)		54.51	68.23	-13.72
		15960 (Av)		42.02	54	-11.98
		5320 (Pk)	Horizontal	109.26	-	-
		5320 (Av)		95.39	-	-
		5350 (Pk)		58.78	74*	-15.22
		5350 (Av)		40.89	54*	-13.11
		10640 (Pk)		53.41	68.23	-14.82
		10640 (Av)		40.40	54	-13.60
		15960 (Pk)		53.90	68.23	-14.33
		15960 (Av)		41.98	54	-12.02
UNII 2c	5500	5500 (Pk)	Vertical	97.78	-	-
		5500 (Av)		83.72	-	-
		5460 (Pk)		44.20	74*	-29.80
		5460 (Av)		32.24	54*	-21.76
		11000 (Pk)		53.54	68.23	-14.69
		11000 (Av)		41.35	54	-12.65
		16500 (Pk)		55.79	68.23	-12.44
		16500 (Av)		43.77	54	-10.23
		5500 (Pk)	Horizontal	104.70	-	-
		5500 (Av)		90.85	-	-
		5460 (Pk)		48.84	74*	-25.16
		5460 (Av)		36.14	54*	-17.86
		11000 (Pk)		53.58	68.23	-14.65
		11000 (Av)		41.35	54	-12.65
		16500 (Pk)		55.99	68.23	-12.24
		16500 (Av)		43.74	54	-10.26
	5600	5600 (Pk)	Vertical	96.60	-	-
		5600 (Av)		83.07	-	-
		5460 (Pk)		42.31	74*	-31.69
		5460 (Av)		29.99	54*	-24.01
		11200 (Pk)		52.93	68.23	-15.30
		11200 (Av)		41.00	54	-13.00
		16800 (Pk)		55.90	68.23	-12.33
		16800 (Av)		43.79	54	-10.21
		5600 (Pk)	Horizontal	105.94	-	-
		5600 (Av)		91.27	-	-
		5460 (Pk)		44.15	74*	-29.85
		5460 (Av)		31.25	54*	-22.75
		11200 (Pk)		53.84	68.23	-14.39
		11200 (Av)		40.97	54	-13.03
		16800 (Pk)		55.94	68.23	-12.29
		16800 (Av)		43.71	54	-10.29

	5700	5700 (Pk)	Vertical	96.90	-	-
		5700 (Av)		82.70	-	-
		5460 (Pk)		42.25	74*	-31.75
		5460 (Av)		29.76	54*	-24.24
		11400 (Pk)		54.08	68.23	-14.15
		11400 (Av)		41.77	54	-12.23
		17100 (Pk)		56.29	68.23	-11.94
		17100 (Av)		44.08	54	-9.92
		5700 (Pk)	Horizontal	104.36	-	-
		5700 (Av)		90.57	-	-
		5460 (Pk)		42.44	74*	-31.56
		5460 (Av)		30.46	54*	-23.54
		11400 (Pk)		53.71	68.23	-14.52
		11400 (Av)		42.02	54	-11.98
		17100 (Pk)		56.25	68.23	-11.98
		17100 (Av)		44.13	54	-9.87
UNII 3	5745	5745 (Pk)	Vertical	101.39	-	-
		5745 (Av)		87.77	-	-
		5715(Pk)		53.47	78.2*	-24.73
		5725(Pk)		64.74	78.2*	-13.46
		11490 (Pk)		55.16	68.23	-13.07
		11490 (Av)		42.83	54	-11.17
		17235 (Pk)		56.59	68.23	-11.64
		17235 (Av)		43.92	54	-10.08
		5745 (Pk)	Horizontal	109.20	-	-
		5745 (Av)		95.03	-	-
		5715(Pk)		64.14	78.2*	-14.06
		5725(Pk)		73.62	78.2*	-4.58
		11490 (Pk)		58.64	68.23	-9.59
		11490 (Av)		44.37	54	-9.63
		17235 (Pk)		55.75	68.23	-12.48
		17235 (Av)		43.90	54	-10.10
	5825	5825 (Pk)	Vertical	102.04	-	-
		5825 (Av)		88.18	-	-
		5850 (Pk)		54.47	78.2*	-23.73
		5860 (Pk)		47.04	78.2*	-31.16
		11650 (Pk)		53.49	68.23	-14.74
		11650 (Av)		42.08	54	-11.92
		17475 (Pk)		57.52	68.23	-10.71
		17475 (Av)		46.07	54	-7.93
		5825 (Pk)	Horizontal	110.29	-	-
		5825 (Av)		95.67	-	-
		5850 (Pk)		61.70	78.2*	-16.50
		5860 (Pk)		54.19	78.2*	-24.01
		11650 (Pk)		64.69	68.23	-3.54
		11650 (Av)		48.46	54	-5.54
		17475 (Pk)		57.89	68.23	-10.34
		17475 (Pk)		46.01	54	-7.99

Modulation: **802.11n-HT20**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	100.43	-	-
		5180 (Av)		90.51	-	-
		5150 (Pk)		54.19	74*	-19.81
		5150 (Av)		35.28	54*	-18.72
		10360 (Pk)		51.82	68.23	-16.41
		10360 (Av)		39.56	54	-14.44
		15540 (Pk)		54.38	68.23	-13.85
		15540 (Av)		42.08	54	-11.92
		5180 (Pk)	Horizontal	105.26	-	-
		5180 (Av)		95.12	-	-
		5150 (Pk)		56.45	74*	-17.55
		5150 (Av)		40.44	54*	-13.56
		10360 (Pk)		51.96	68.23	-16.27
		10360 (Av)		39.52	54	-14.48
		15540 (Pk)		54.01	68.23	-14.22
		15540 (Av)		42.10	54	-11.90
	5240	5240 (Pk)	Vertical	96.54	-	-
		5240 (Av)		87.41	-	-
		5350 (Pk)		43.38	74*	-30.62
		5350 (Av)		30.92	54*	-23.08
		10480 (Pk)		52.99	68.23	-15.24
		10480 (Av)		40.52	54	-13.48
		15720 (Pk)		52.55	68.23	-15.68
		15720 (Av)		41.84	54	-12.16
		5240 (Pk)	Horizontal	105.00	-	-
		5240 (Av)		96.41	-	-
		5350 (Pk)		47.05	74*	-26.95
		5350 (Av)		35.35	54*	-18.65
		10480 (Pk)		52.32	68.23	-15.91
		10480 (Av)		40.51	54	-13.49
		15720 (Pk)		53.54	68.23	-14.69
		15720 (Av)		41.84	54	-12.16

UNII 2a	5320	5320 (Pk)	Vertical	99.95	-	-
		5320 (Av)		90.10	-	-
		5350 (Pk)		59.07	74*	-14.93
		5350 (Av)		38.13	54*	-15.87
		10640 (Pk)		53.02	68.23	-15.21
		10640 (Av)		40.36	54	-13.64
		15960 (Pk)		53.93	68.23	-14.30
		15960 (Av)		42.09	54	-11.91
		5320 (Pk)	Horizontal	107.94	-	-
		5320 (Av)		98.09	-	-
		5350 (Pk)		65.86	74*	-8.14
		5350 (Av)		44.84	54*	-9.16
		10640 (Pk)		53.60	68.23	-14.63
		10640 (Av)		40.39	54	-13.61
		15960 (Pk)		54.86	68.23	-13.37
		15960 (Av)		42.07	54	-11.93
UNII 2c	5500	5500 (Pk)	Vertical	96.20	-	-
		5500 (Av)		86.58	-	-
		5460 (Pk)		45.48	74*	-28.52
		5460 (Av)		32.64	54*	-21.36
		11000 (Pk)		53.78	68.23	-14.45
		11000 (Av)		41.31	54	-12.69
		16500 (Pk)		56.22	68.23	-12.01
		16500 (Av)		43.81	54	-10.19
		5500 (Pk)	Horizontal	104.89	-	-
		5500 (Av)		94.89	-	-
		5460 (Pk)		49.29	74*	-24.71
		5460 (Av)		37.43	54*	-16.57
		11000 (Pk)		53.67	68.23	-14.56
		11000 (Av)		41.31	54	-12.69
		16500 (Pk)		56.35	68.23	-11.88
		16500 (Av)		43.78	54	-10.22
	5600	5600 (Pk)	Vertical	95.70	-	-
		5600 (Av)		86.21	-	-
		5460 (Pk)		42.43	74*	-31.57
		5460 (Av)		30.00	54*	-24.00
		11200 (Pk)		54.01	68.23	-14.22
		11200 (Av)		41.16	54	-12.84
		16800 (Pk)		56.57	68.23	-11.66
		16800 (Av)		44.08	54	-9.92
		5600 (Pk)	Horizontal	104.16	-	-
		5600 (Av)		94.28	-	-
		5460 (Pk)		44.37	74*	-29.63
		5460 (Av)		31.66	54*	-22.34
		11200 (Pk)		53.27	68.23	-14.96
		11200 (Av)		41.18	54	-12.82
		16800 (Pk)		56.86	68.23	-11.37
		16800 (Av)		44.07	54	-9.93

	5700	5700 (Pk)	Vertical	95.87	-	-
		5700 (Av)		85.60	-	-
		5460 (Pk)		42.53	74*	-31.47
		5460 (Av)		29.82	54*	-24.18
		11400 (Pk)		54.10	68.23	-14.13
		11400 (Av)		41.99	54	-12.01
		17100 (Pk)		56.41	68.23	-11.82
		17100 (Av)		44.68	54	-9.32
		5700 (Pk)	Horizontal	103.57	-	-
		5700 (Av)		94.03	-	-
		5460 (Pk)		43.25	74*	-30.75
		5460 (Av)		30.75	54*	-23.25
		11400 (Pk)		54.10	68.23	-14.13
		11400 (Av)		41.99	54	-12.01
		17100 (Pk)		56.41	68.23	-11.82
		17100 (Av)		44.68	54	-9.32
UNII 3	5745	5745 (Pk)	Vertical	101.85	-	-
		5745 (Av)		92.52	-	-
		5715(Pk)		61.97	78.2*	-16.23
		5725(Pk)		71.02	78.2*	-7.18
		11490 (Pk)		57.01	68.23	-11.22
		11490 (Av)		43.67	54	-10.33
		17235 (Pk)		56.94	68.23	-11.29
		17235 (Av)		44.32	54	-9.68
		5745 (Pk)	Horizontal	109.52	-	-
		5745 (Av)		99.03	-	-
		5715(Pk)		68.25	78.2*	-9.95
		5725(Pk)		75.55	78.2*	-2.65
		11490 (Pk)		66.56	68.23	-1.67
		11490 (Av)		51.82	54	-2.18
		17235 (Pk)		56.26	68.23	-11.97
		17235 (Av)		44.28	54	-9.72
	5825	5825 (Pk)	Vertical	104.13	-	-
		5825 (Av)		93.92	-	-
		5850 (Pk)		64.59	78.2*	-13.61
		5860 (Pk)		55.82	78.2*	-22.38
		11650 (Pk)		54.77	68.23	-13.46
		11650 (Av)		42.51	54	-11.49
		17475 (Pk)		58.56	68.23	-9.67
		17475 (Av)		46.32	54	-7.68
		5825 (Pk)	Horizontal	110.77	-	-
		5825 (Av)		100.99	-	-
		5850 (Pk)		73.83	78.2*	-4.37
		5860 (Pk)		65.02	78.2*	-13.18
		11650 (Pk)		61.30	68.23	-6.93
		11650 (Av)		47.20	54	-6.80
		17475 (Pk)		58.24	68.23	-9.99
		17475 (Pk)		46.39	54	-7.61

Modulation: **802.11n-HT20**
Data rate: **MCS7**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	96.96	-	-
		5180 (Av)		83.37	-	-
		5150 (Pk)		46.25	74*	-27.75
		5150 (Av)		33.41	54*	-20.59
		10360 (Pk)		52.23	68.23	-16.00
		10360 (Av)		39.50	54	-14.50
		15540 (Pk)		54.06	68.23	-14.17
		15540 (Av)		41.90	54	-12.10
		5180 (Pk)	Horizontal	105.73	-	-
		5180 (Av)		92.01	-	-
		5150 (Pk)		54.54	74*	-19.46
		5150 (Av)		38.39	54*	-15.61
		10360 (Pk)		51.99	68.23	-16.24
		10360 (Av)		39.59	54	-14.41
		15540 (Pk)		54.01	68.23	-14.22
		15540 (Av)		41.96	54	-12.04
	5240	5240 (Pk)	Vertical	96.43	-	-
		5240 (Av)		82.45	-	-
		5350 (Pk)		43.04	74*	-30.96
		5350 (Av)		31.26	54*	-22.74
		10480 (Pk)		52.69	68.23	-15.54
		10480 (Av)		40.48	54	-13.52
		15720 (Pk)		54.12	68.23	-14.11
		15720 (Av)		41.61	54	-12.39
		5240 (Pk)	Horizontal	104.85	-	-
		5240 (Av)		91.24	-	-
		5350 (Pk)		47.21	74*	-26.79
		5350 (Av)		34.03	54*	-19.97
		10480 (Pk)		52.59	68.23	-15.64
		10480 (Av)		40.49	54	-13.51
		15720 (Pk)		53.87	68.23	-14.36
		15720 (Av)		41.64	54	-12.36

UNII 2a	5320	5320 (Pk)	Vertical	99.69	-	-
		5320 (Av)		85.51	-	-
		5350 (Pk)		52.25	74*	-21.75
		5350 (Av)		35.22	54*	-18.78
		10640 (Pk)		53.36	68.23	-14.87
		10640 (Av)		40.42	54	-13.58
		15960 (Pk)		55.11	68.23	-13.12
		15960 (Av)		42.17	54	-11.83
		5320 (Pk)	Horizontal	107.86	-	-
		5320 (Av)		94.20	-	-
		5350 (Pk)		61.03	74*	-12.97
		5350 (Av)		41.12	54*	-12.88
		10640 (Pk)		53.19	68.23	-15.04
		10640 (Av)		40.37	54	-13.63
		15960 (Pk)		54.26	68.23	-13.97
		15960 (Av)		42.06	54	-11.94
UNII 2c	5500	5500 (Pk)	Vertical	93.41	-	-
		5500 (Av)		80.04	-	-
		5460 (Pk)		43.93	74*	-30.07
		5460 (Av)		31.03	54*	-22.97
		11000 (Pk)		53.99	68.23	-14.24
		11000 (Av)		41.32	54	-12.68
		16500 (Pk)		56.03	68.23	-12.20
		16500 (Av)		43.76	54	-10.24
		5500 (Pk)	Horizontal	101.99	-	-
		5500 (Av)		88.57	-	-
		5460 (Pk)		48.56	74*	-25.44
		5460 (Av)		35.62	54*	-18.38
		11000 (Pk)		53.60	68.23	-14.63
		11000 (Av)		41.33	54	-12.67
		16500 (Pk)		56.27	68.23	-11.96
		16500 (Av)		43.74	54	-10.26
	5600	5600 (Pk)	Vertical	92.62	-	-
		5600 (Av)		79.05	-	-
		5460 (Pk)		42.66	74*	-31.34
		5460 (Av)		30.04	54*	-23.96
		11200 (Pk)		53.85	68.23	-14.38
		11200 (Av)		41.15	54	-12.85
		16800 (Pk)		56.25	68.23	-11.98
		16800 (Av)		44.09	54	-9.91
		5600 (Pk)	Horizontal	93.05	-	-
		5600 (Av)		79.39	-	-
		5460 (Pk)		43.18	74*	-30.82
		5460 (Av)		30.02	54*	-23.98
		11200 (Pk)		53.68	68.23	-14.55
		11200 (Av)		41.10	54	-12.90
		16800 (Pk)		56.21	68.23	-12.02
		16800 (Av)		44.09	54	-9.91

	5700	5700 (Pk)	Vertical	95.87	-	-
		5700 (Av)		85.60	-	-
		5460 (Pk)		42.53	74*	-31.47
		5460 (Av)		29.82	54*	-24.18
		11400 (Pk)		54.29	68.23	-13.94
		11400 (Av)		41.95	54	-12.05
		17100 (Pk)		56.21	68.23	-12.02
		17100 (Av)		44.66	54	-9.34
		5700 (Pk)	Horizontal	101.19	-	-
		5700 (Av)		87.70	-	-
		5460 (Pk)		43.32	74*	-30.68
		5460 (Av)		30.51	54*	-23.49
		11400 (Pk)		54.27	68.23	-13.96
		11400 (Av)		41.98	54	-12.02
		17100 (Pk)		57.81	68.23	-10.42
		17100 (Av)		44.68	54	-9.32
UNII 3	5745	5745 (Pk)	Vertical	99.19	-	-
		5745 (Av)		85.76	-	-
		5715(Pk)		57.47	78.2*	-20.73
		5725(Pk)		65.69	78.2*	-12.51
		11490 (Pk)		55.70	68.23	-12.53
		11490 (Av)		43.25	54	-10.75
		17235 (Pk)		57.28	68.23	-10.95
		17235 (Av)		45.08	54	-8.92
		5745 (Pk)	Horizontal	109.58	-	-
		5745 (Av)		95.35	-	-
		5715(Pk)		68.30	78.2*	-9.90
		5725(Pk)		76.25	78.2*	-1.95
		11490 (Pk)		57.86	68.23	-10.37
		11490 (Av)		44.10	54	-9.90
		17235 (Pk)		57.07	68.23	-11.16
		17235 (Av)		45.07	54	-8.93
	5825	5825 (Pk)	Vertical	101.76	-	-
		5825 (Av)		88.21	-	-
		5850 (Pk)		59.14	78.2*	-19.06
		5860 (Pk)		48.31	78.2*	-29.89
		11650 (Pk)		53.88	68.23	-14.35
		11650 (Av)		42.16	54	-11.84
		17475 (Pk)		59.43	68.23	-8.80
		17475 (Av)		47.34	54	-6.66
		5825 (Pk)	Horizontal	108.88	-	-
		5825 (Av)		95.83	-	-
		5850 (Pk)		69.53	78.2*	-8.67
		5860 (Pk)		58.50	78.2*	-19.70
		11650 (Pk)		58.19	68.23	-10.04
		11650 (Av)		44.43	54	-9.57
		17475 (Pk)		60.16	68.23	-8.07
		17475 (Pk)		47.29	54	-6.71

Modulation: **802.11ac-VHT20**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	100.76	-	-
		5180 (Av)		90.93	-	-
		5150 (Pk)		57.86	74*	-16.14
		5150 (Av)		36.10	54*	-17.90
		10360 (Pk)		51.93	68.23	-16.30
		10360 (Av)		39.27	54	-14.73
		15540 (Pk)		53.76	68.23	-14.47
		15540 (Av)		41.54	54	-12.46
		5180 (Pk)	Horizontal	108.00	-	-
		5180 (Av)		98.86	-	-
		5150 (Pk)		67.59	74*	-6.41
		5150 (Av)		42.92	54*	-11.08
		10360 (Pk)		51.09	68.23	-17.14
		10360 (Av)		39.20	54	-14.80
		15540 (Pk)		53.18	68.23	-15.05
		15540 (Av)		51.58	54	-2.42
	5240	5240 (Pk)	Vertical	98.04	-	-
		5240 (Av)		89.07	-	-
		5350 (Pk)		43.35	74*	-30.65
		5350 (Av)		31.01	54*	-22.99
		10480 (Pk)		52.95	68.23	-15.28
		10480 (Av)		40.28	54	-13.72
		15720 (Pk)		52.99	68.23	-15.24
		15720 (Av)		41.39	54	-12.61
		5240 (Pk)	Horizontal	105.61	-	-
		5240 (Av)		96.36	-	-
		5350 (Pk)		46.22	74*	-27.78
		5350 (Av)		34.85	54*	-19.15
		10480 (Pk)		52.22	68.23	-16.01
		10480 (Av)		40.26	54	-13.74
		15720 (Pk)		53.34	68.23	-14.89
		15720 (Av)		41.40	54	-12.60

UNII 2a	5320	5320 (Pk)	Vertical	101.34	-	-
		5320 (Av)		92.00	-	-
		5350 (Pk)		58.78	74*	-15.22
		5350 (Av)		38.89	54*	-15.11
		10640 (Pk)		52.33	68.23	-15.90
		10640 (Av)		40.35	54	-13.65
		15960 (Pk)		54.90	68.23	-13.33
		15960 (Av)		42.02	54	-11.98
		5320 (Pk)	Horizontal	107.95	-	-
		5320 (Av)		99.06	-	-
		5350 (Pk)		67.18	74*	-6.82
		5350 (Av)		45.95	54*	-8.05
		10640 (Pk)		52.29	68.23	-15.94
		10640 (Av)		40.31	54	-13.69
		15960 (Pk)		54.13	68.23	-14.10
		15960 (Av)		41.97	54	-12.03
UNII 2c	5500	5500 (Pk)	Vertical	91.03	-	-
		5500 (Av)		77.36	-	-
		5460 (Pk)		44.59	74*	-29.41
		5460 (Av)		30.87	54*	-23.13
		11000 (Pk)		54.00	68.23	-14.23
		11000 (Av)		41.41	54	-12.59
		16500 (Pk)		56.03	68.23	-12.20
		16500 (Av)		43.81	54	-10.19
		5500 (Pk)	Horizontal	102.19	-	-
		5500 (Av)		88.49	-	-
		5460 (Pk)		48.72	74*	-25.28
		5460 (Av)		35.76	54*	-18.24
		11000 (Pk)		53.31	68.23	-14.92
		11000 (Av)		41.42	54	-12.58
		16500 (Pk)		56.21	68.23	-12.02
		16500 (Av)		43.83	54	-10.17
	5600	5600 (Pk)	Vertical	96.88	-	-
		5600 (Av)		87.62	-	-
		5460 (Pk)		42.92	74*	-31.08
		5460 (Av)		30.42	54*	-23.58
		11200 (Pk)		53.23	68.23	-15.00
		11200 (Av)		41.18	54	-12.82
		16800 (Pk)		55.78	68.23	-12.45
		16800 (Av)		44.16	54	-9.84
		5600 (Pk)	Horizontal	104.61	-	-
		5600 (Av)		95.20	-	-
		5460 (Pk)		43.94	74*	-30.06
		5460 (Av)		32.27	54*	-21.73
		11200 (Pk)		52.69	68.23	-15.54
		11200 (Av)		41.23	54	-12.77
		16800 (Pk)		56.72	68.23	-11.51
		16800 (Av)		44.10	54	-9.90

	5700	5700 (Pk)	Vertical	96.40	-	-
		5700 (Av)		87.12	-	-
		5460 (Pk)		43.17	74*	-30.83
		5460 (Av)		30.17	54*	-23.83
		11400 (Pk)		57.19	68.23	-11.04
		11400 (Av)		42.03	54	-11.97
		17100 (Pk)		57.43	68.23	-10.80
		17100 (Av)		44.79	54	-9.21
		5700 (Pk)	Horizontal	104.10	-	-
		5700 (Av)		95.17	-	-
		5460 (Pk)		43.39	74*	-30.61
		5460 (Av)		31.28	54*	-22.72
		11400 (Pk)		54.22	68.23	-14.01
		11400 (Av)		42.11	54	-11.89
		17100 (Pk)		56.45	68.23	-11.78
		17100 (Av)		44.80	54	-9.20
UNII 3	5745	5745 (Pk)	Vertical	101.41	-	-
		5745 (Av)		91.75	-	-
		5715(Pk)		66.59	78.2*	-11.61
		5725(Pk)		57.39	78.2*	-20.81
		11490 (Pk)		56.18	68.23	-12.05
		11490 (Av)		43.06	54	-10.94
		17235 (Pk)		58.46	68.23	-9.77
		17235 (Av)		45.22	54	-8.78
		5745 (Pk)	Horizontal	108.63	-	-
		5745 (Av)		99.47	-	-
		5715(Pk)		75.91	78.2*	-2.29
		5725(Pk)		67.51	78.2*	-10.69
		11490 (Pk)		57.62	68.23	-10.61
		11490 (Av)		44.38	54	-9.62
		17235 (Pk)		57.76	68.23	-10.47
		17235 (Av)		45.22	54	-8.78
	5825	5825 (Pk)	Vertical	101.65	-	-
		5825 (Av)		92.35	-	-
		5850 (Pk)		60.76	78.2*	-17.44
		5860 (Pk)		52.21	78.2*	-25.99
		11650 (Pk)		54.49	68.23	-13.74
		11650 (Av)		42.44	54	-11.56
		17475 (Pk)		59.91	68.23	-8.32
		17475 (Av)		47.41	54	-6.59
		5825 (Pk)	Horizontal	109.23	-	-
		5825 (Av)		99.49	-	-
		5850 (Pk)		70.59	78.2*	-7.61
		5860 (Pk)		60.40	78.2*	-17.80
		11650 (Pk)		65.35	68.23	-2.88
		11650 (Av)		50.57	54	-3.43
		17475 (Pk)		59.59	68.23	-8.64
		17475 (Pk)		47.42	54	-6.58

Modulation: **802.11ac-VHT20**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	100.76	-	-
		5180 (Av)		90.93	-	-
		5150 (Pk)		57.86	74*	-16.14
		5150 (Av)		36.10	54*	-17.90
		10360 (Pk)		51.93	68.23	-16.30
		10360 (Av)		39.27	54	-14.73
		15540 (Pk)		53.76	68.23	-14.47
		15540 (Av)		41.54	54	-12.46
		5180 (Pk)	Horizontal	108.00	-	-
		5180 (Av)		98.86	-	-
		5150 (Pk)		67.59	74*	-6.41
		5150 (Av)		42.92	54*	-11.08
		10360 (Pk)		51.09	68.23	-17.14
		10360 (Av)		39.20	54	-14.80
		15540 (Pk)		53.18	68.23	-15.05
		15540 (Av)		51.58	54	-2.42
	5240	5240 (Pk)	Vertical	98.04	-	-
		5240 (Av)		89.07	-	-
		5350 (Pk)		43.35	74*	-30.65
		5350 (Av)		31.01	54*	-22.99
		10480 (Pk)		52.95	68.23	-15.28
		10480 (Av)		40.28	54	-13.72
		15720 (Pk)		52.99	68.23	-15.24
		15720 (Av)		41.39	54	-12.61
		5240 (Pk)	Horizontal	105.61	-	-
		5240 (Av)		96.36	-	-
		5350 (Pk)		46.22	74*	-27.78
		5350 (Av)		34.85	54*	-19.15
		10480 (Pk)		52.22	68.23	-16.01
		10480 (Av)		40.26	54	-13.74
		15720 (Pk)		53.34	68.23	-14.89
		15720 (Av)		41.40	54	-12.60

UNII 2a	5320	5320 (Pk)	Vertical	101.34	-	-
		5320 (Av)		92.00	-	-
		5350 (Pk)		58.78	74*	-15.22
		5350 (Av)		38.89	54*	-15.11
		10640 (Pk)		52.33	68.23	-15.90
		10640 (Av)		40.35	54	-13.65
		15960 (Pk)		54.90	68.23	-13.33
		15960 (Av)		42.02	54	-11.98
		5320 (Pk)	Horizontal	107.95	-	-
		5320 (Av)		99.06	-	-
		5350 (Pk)		67.18	74*	-6.82
		5350 (Av)		45.95	54*	-8.05
		10640 (Pk)		52.29	68.23	-15.94
		10640 (Av)		40.31	54	-13.69
		15960 (Pk)		54.13	68.23	-14.10
		15960 (Av)		41.97	54	-12.03
UNII 2c	5500	5500 (Pk)	Vertical	91.03	-	-
		5500 (Av)		77.36	-	-
		5460 (Pk)		44.59	74*	-29.41
		5460 (Av)		30.87	54*	-23.13
		11000 (Pk)		54.00	68.23	-14.23
		11000 (Av)		41.41	54	-12.59
		16500 (Pk)		56.03	68.23	-12.20
		16500 (Av)		43.81	54	-10.19
		5500 (Pk)	Horizontal	102.19	-	-
		5500 (Av)		88.49	-	-
		5460 (Pk)		48.72	74*	-25.28
		5460 (Av)		35.76	54*	-18.24
		11000 (Pk)		53.31	68.23	-14.92
		11000 (Av)		41.42	54	-12.58
		16500 (Pk)		56.21	68.23	-12.02
		16500 (Av)		43.83	54	-10.17
	5600	5600 (Pk)	Vertical	96.88	-	-
		5600 (Av)		87.62	-	-
		5460 (Pk)		42.92	74*	-31.08
		5460 (Av)		30.42	54*	-23.58
		11200 (Pk)		53.23	68.23	-15.00
		11200 (Av)		41.18	54	-12.82
		16800 (Pk)		55.78	68.23	-12.45
		16800 (Av)		44.16	54	-9.84
		5600 (Pk)	Horizontal	104.61	-	-
		5600 (Av)		95.20	-	-
		5460 (Pk)		43.94	74*	-30.06
		5460 (Av)		32.27	54*	-21.73
		11200 (Pk)		52.69	68.23	-15.54
		11200 (Av)		41.23	54	-12.77
		16800 (Pk)		56.72	68.23	-11.51
		16800 (Av)		44.10	54	-9.90

	5700	5700 (Pk)	Vertical	96.40	-	-
		5700 (Av)		87.12	-	-
		5460 (Pk)		43.17	74*	-30.83
		5460 (Av)		30.17	54*	-23.83
		11400 (Pk)		57.19	68.23	-11.04
		11400 (Av)		42.03	54	-11.97
		17100 (Pk)		57.43	68.23	-10.80
		17100 (Av)		44.79	54	-9.21
		5700 (Pk)	Horizontal	104.10	-	-
		5700 (Av)		95.17	-	-
		5460 (Pk)		43.39	74*	-30.61
		5460 (Av)		31.28	54*	-22.72
		11400 (Pk)		54.22	68.23	-14.01
		11400 (Av)		42.11	54	-11.89
		17100 (Pk)		56.45	68.23	-11.78
		17100 (Av)		44.80	54	-9.20
UNII 3	5745	5745 (Pk)	Vertical	101.41	-	-
		5745 (Av)		91.75	-	-
		5715(Pk)		66.59	78.2*	-11.61
		5725(Pk)		57.39	78.2*	-20.81
		11490 (Pk)		56.18	68.23	-12.05
		11490 (Av)		43.06	54	-10.94
		17235 (Pk)		58.46	68.23	-9.77
		17235 (Av)		45.22	54	-8.78
		5745 (Pk)	Horizontal	108.63	-	-
		5745 (Av)		99.47	-	-
		5715(Pk)		75.91	78.2*	-2.29
		5725(Pk)		67.51	78.2*	-10.69
		11490 (Pk)		57.62	68.23	-10.61
		11490 (Av)		44.38	54	-9.62
		17235 (Pk)		57.76	68.23	-10.47
		17235 (Av)		45.22	54	-8.78
	5825	5825 (Pk)	Vertical	101.65	-	-
		5825 (Av)		92.35	-	-
		5850 (Pk)		60.76	78.2*	-17.44
		5860 (Pk)		52.21	78.2*	-25.99
		11650 (Pk)		54.49	68.23	-13.74
		11650 (Av)		42.44	54	-11.56
		17475 (Pk)		59.91	68.23	-8.32
		17475 (Av)		47.41	54	-6.59
		5825 (Pk)	Horizontal	109.23	-	-
		5825 (Av)		99.49	-	-
		5850 (Pk)		70.59	78.2*	-7.61
		5860 (Pk)		60.40	78.2*	-17.80
		11650 (Pk)		65.35	68.23	-2.88
		11650 (Av)		50.57	54	-3.43
		17475 (Pk)		59.59	68.23	-8.64
		17475 (Pk)		47.42	54	-6.58

Modulation: **802.11ac-VHT20**
Data rate: **MCS8**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	95.58	-	-
		5180 (Av)		84.49	-	-
		5150 (Pk)		46.23	74*	-27.77
		5150 (Av)		32.75	54*	-21.25
		10360 (Pk)		52.54	68.23	-15.69
		10360 (Av)		39.71	54	-14.29
		15540 (Pk)		54.49	68.23	-13.74
		15540 (Av)		42.10	54	-11.90
		5180 (Pk)	Horizontal	102.04	-	-
		5180 (Av)		91.10	-	-
		5150 (Pk)		51.91	74*	-22.09
		5150 (Av)		37.65	54*	-16.35
		10360 (Pk)		52.24	68.23	-15.99
		10360 (Av)		39.72	54	-14.28
		15540 (Pk)		53.93	68.23	-14.30
		15540 (Av)		42.10	54	-11.90
	5240	5240 (Pk)	Vertical	93.97	-	-
		5240 (Av)		83.14	-	-
		5350 (Pk)		42.87	74*	-31.13
		5350 (Av)		30.35	54*	-23.65
		10480 (Pk)		53.41	68.23	-14.82
		10480 (Av)		40.60	54	-13.40
		15720 (Pk)		53.99	68.23	-14.24
		15720 (Av)		41.88	54	-12.12
		5240 (Pk)	Horizontal	102.02	-	-
		5240 (Av)		91.20	-	-
		5350 (Pk)		44.99	74*	-29.01
		5350 (Av)		33.41	54*	-20.59
		10480 (Pk)		52.69	68.23	-15.54
		10480 (Av)		40.63	54	-13.37
		15720 (Pk)		53.94	68.23	-14.29
		15720 (Av)		41.93	54	-12.07

UNII 2a	5320	5320 (Pk)	Vertical	100.32	-	-
		5320 (Av)		89.72	-	-
		5350 (Pk)		57.44	74*	-16.56
		5350 (Av)		38.48	54*	-15.52
		10640 (Pk)		52.56	68.23	-15.67
		10640 (Av)		40.59	54	-13.41
		15960 (Pk)		54.13	68.23	-14.10
		15960 (Av)		42.29	54	-11.71
		5320 (Pk)	Horizontal	108.03	-	-
		5320 (Av)		97.21	-	-
		5350 (Pk)		64.08	74*	-9.92
		5350 (Av)		44.57	54*	-9.43
		10640 (Pk)		52.37	68.23	-15.86
		10640 (Av)		40.60	54	-13.40
		15960 (Pk)		54.51	68.23	-13.72
		15960 (Av)		42.26	54	-11.74
UNII 2c	5500	5500 (Pk)	Vertical	92.08	-	-
		5500 (Av)		81.20	-	-
		5460 (Pk)		43.55	74*	-30.45
		5460 (Av)		31.29	54*	-22.71
		11000 (Pk)		53.55	68.23	-14.68
		11000 (Av)		41.59	54	-12.41
		16500 (Pk)		55.82	68.23	-12.41
		16500 (Av)		44.00	54	-10.00
		5500 (Pk)	Horizontal	98.90	-	-
		5500 (Av)		88.71	-	-
		5460 (Pk)		46.92	74*	-27.08
		5460 (Av)		34.14	54*	-19.86
		11000 (Pk)		53.65	68.23	-14.58
		11000 (Av)		41.57	54	-12.43
		16500 (Pk)		56.30	68.23	-11.93
		16500 (Av)		44.05	54	-9.95
	5600	5600 (Pk)	Vertical	50.56	-	-
		5600 (Av)		80.58	-	-
		5460 (Pk)		43.07	74*	-30.93
		5460 (Av)		30.24	54*	-23.76
		11200 (Pk)		53.65	68.23	-14.58
		11200 (Av)		41.37	54	-12.63
		16800 (Pk)		56.13	68.23	-12.10
		16800 (Av)		44.26	54	-9.74
		5600 (Pk)	Horizontal	99.91	-	-
		5600 (Av)		89.42	-	-
		5460 (Pk)		43.53	74*	-30.47
		5460 (Av)		31.36	54*	-22.64
		11200 (Pk)		52.92	68.23	-15.31
		11200 (Av)		41.33	54	-12.67
		16800 (Pk)		55.36	68.23	-12.87
		16800 (Av)		44.25	54	-9.75

	5700	5700 (Pk)	Vertical	92.30	-	-
		5700 (Av)		81.06	-	-
		5460 (Pk)		43.11	74*	-30.89
		5460 (Av)		30.21	54*	-23.79
		11400 (Pk)		53.75	68.23	-14.48
		11400 (Av)		42.12	54	-11.88
		17100 (Pk)		57.80	68.23	-10.43
		17100 (Av)		44.90	54	-9.10
		5700 (Pk)	Horizontal	100.03	-	-
		5700 (Av)		88.84	-	-
		5460 (Pk)		42.70	74*	-31.30
		5460 (Av)		30.87	54*	-23.13
		11400 (Pk)		54.12	68.23	-14.11
		11400 (Av)		42.14	54	-11.86
		17100 (Pk)		56.49	68.23	-11.74
		17100 (Av)		44.93	54	-9.07
UNII 3	5745	5745 (Pk)	Vertical	100.09	-	-
		5745 (Av)		89.74	-	-
		5715(Pk)		54.70	78.2*	-23.50
		5725(Pk)		65.40	78.2*	-12.80
		11490 (Pk)		56.65	68.23	-11.58
		11490 (Av)		43.02	54	-10.98
		17235 (Pk)		57.68	68.23	-10.55
		17235 (Av)		45.38	54	-8.62
		5745 (Pk)	Horizontal	107.85	-	-
		5745 (Av)		97.03	-	-
		5715(Pk)		65.20	78.2*	-13.00
		5725(Pk)		75.42	78.2*	-2.78
		11490 (Pk)		60.24	68.23	-7.99
		11490 (Av)		46.86	54	-7.14
		17235 (Pk)		57.90	68.23	-10.33
		17235 (Av)		45.40	54	-8.60
	5825	5825 (Pk)	Vertical	101.07	-	-
		5825 (Av)		90.06	-	-
		5850 (Pk)		60.38	78.2*	-17.82
		5860 (Pk)		35.93	78.2*	-42.27
		11650 (Pk)		54.22	68.23	-14.01
		11650 (Av)		41.88	54	-12.12
		17475 (Pk)		59.47	68.23	-8.76
		17475 (Av)		46.93	54	-7.07
		5825 (Pk)	Horizontal	108.32	-	-
		5825 (Av)		97.57	-	-
		5850 (Pk)		69.22	78.2*	-8.98
		5860 (Pk)		60.04	78.2*	-18.16
		11650 (Pk)		56.66	68.23	-11.57
		11650 (Av)		43.36	54	-10.64
		17475 (Pk)		58.92	68.23	-9.31
		17475 (Pk)		46.98	54	-7.02

Modulation: **802.11ax-HE20**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	98.08	-	-
		5180 (Av)		85.83	-	-
		5150 (Pk)		52.25	74*	-21.75
		5150 (Av)		33.27	54*	-20.73
		10360 (Pk)		52.14	68.23	-16.09
		10360 (Av)		39.43	54	-14.57
		15540 (Pk)		53.66	68.23	-14.57
		15540 (Av)		41.28	54	-12.72
		5180 (Pk)	Horizontal	109.80	-	-
		5180 (Av)		97.95	-	-
		5150 (Pk)		60.08	74*	-13.92
		5150 (Av)		42.37	54*	-11.63
		10360 (Pk)		50.86	68.23	-17.37
		10360 (Av)		39.38	54	-14.62
		15540 (Pk)		53.01	68.23	-15.22
		15540 (Av)		41.30	54	-12.70
	5240	5240 (Pk)	Vertical	98.96	-	-
		5240 (Av)		86.52	-	-
		5350 (Pk)		43.33	74*	-30.67
		5350 (Av)		31.71	54*	-22.29
		10480 (Pk)		51.91	68.23	-16.32
		10480 (Av)		40.32	54	-13.68
		15720 (Pk)		52.99	68.23	-15.24
		15720 (Av)		41.64	54	-12.36
		5240 (Pk)	Horizontal	109.49	-	-
		5240 (Av)		96.62	-	-
		5350 (Pk)		50.42	74*	-23.58
		5350 (Av)		36.87	54*	-17.13
		10480 (Pk)		51.89	68.23	-16.34
		10480 (Av)		40.38	54	-13.62
		15720 (Pk)		53.22	68.23	-15.01
		15720 (Av)		41.68	54	-12.32

UNII 2a	5320	5320 (Pk)	Vertical	98.88	-	-
		5320 (Av)		86.55	-	-
		5350 (Pk)		55.62	74*	-18.38
		5350 (Av)		34.80	54*	-19.20
		10640 (Pk)		52.04	68.23	-16.19
		10640 (Av)		40.27	54	-13.73
		15960 (Pk)		53.90	68.23	-14.33
		15960 (Av)		41.93	54	-12.07
		5320 (Pk)	Horizontal	111.67	-	-
		5320 (Av)		99.76	-	-
		5350 (Pk)		67.06	74*	-6.94
		5350 (Av)		46.00	54*	-8.00
		10640 (Pk)		51.82	68.23	-16.41
		10640 (Av)		40.24	54	-13.76
		15960 (Pk)		53.37	68.23	-14.86
		15960 (Av)		41.84	54	-12.16
UNII 2c	5500	5500 (Pk)	Vertical	96.97	-	-
		5500 (Av)		84.70	-	-
		5460 (Pk)		43.42	74*	-30.58
		5460 (Av)		31.33	54*	-22.67
		11000 (Pk)		53.64	68.23	-14.59
		11000 (Av)		41.31	54	-12.69
		16500 (Pk)		55.50	68.23	-12.73
		16500 (Av)		43.91	54	-10.09
		5500 (Pk)	Horizontal	108.73	-	-
		5500 (Av)		96.76	-	-
		5460 (Pk)		51.76	74*	-22.24
		5460 (Av)		40.00	54*	-14.00
		11000 (Pk)		52.76	68.23	-15.47
		11000 (Av)		41.37	54	-12.63
		16500 (Pk)		55.61	68.23	-12.62
		16500 (Av)		43.87	54	-10.13
	5600	5600 (Pk)	Vertical	97.61	-	-
		5600 (Av)		85.72	-	-
		5460 (Pk)		43.24	74*	-30.76
		5460 (Av)		30.09	54*	-23.91
		11200 (Pk)		53.71	68.23	-14.52
		11200 (Av)		41.14	54	-12.86
		16800 (Pk)		55.23	68.23	-13.00
		16800 (Av)		44.17	54	-9.83
		5600 (Pk)	Horizontal	108.23	-	-
		5600 (Av)		96.49	-	-
		5460 (Pk)		44.50	74*	-29.50
		5460 (Av)		33.23	54*	-20.77
		11200 (Pk)		52.60	68.23	-15.63
		11200 (Av)		41.15	54	-12.85
		16800 (Pk)		55.44	68.23	-12.79
		16800 (Av)		44.10	54	-9.90

	5700	5700 (Pk)	Vertical	94.37	-	-
		5700 (Av)		82.36	-	-
		5460 (Pk)		42.86	74*	-31.14
		5460 (Av)		29.80	54*	-24.20
		11400 (Pk)		53.10	68.23	-15.13
		11400 (Av)		41.98	54	-12.02
		17100 (Pk)		56.58	68.23	-11.65
		17100 (Av)		44.73	54	-9.27
		5700 (Pk)	Horizontal	106.80	-	-
		5700 (Av)		94.87	-	-
		5460 (Pk)		43.06	74*	-30.94
		5460 (Av)		31.03	54*	-22.97
		11400 (Pk)		53.24	68.23	-14.99
		11400 (Av)		41.98	54	-12.02
		17100 (Pk)		57.17	68.23	-11.06
		17100 (Av)		44.78	54	-9.22
UNII 3	5745	5745 (Pk)	Vertical	101.89	-	-
		5745 (Av)		88.96	-	-
		5715(Pk)		67.67	78.2*	-10.53
		5725(Pk)		57.89	78.2*	-20.31
		11490 (Pk)		55.43	68.23	-12.80
		11490 (Av)		42.99	54	-11.01
		17235 (Pk)		56.25	68.23	-11.98
		17235 (Av)		45.02	54	-8.98
		5745 (Pk)	Horizontal	111.50	-	-
		5745 (Av)		99.32	-	-
		5715(Pk)		65.01	78.2*	-13.19
		5725(Pk)		55.56	78.2*	-22.64
		11490 (Pk)		55.14	68.23	-13.09
		11490 (Av)		42.92	54	-11.08
		17235 (Pk)		56.51	68.23	-11.72
		17235 (Av)		44.95	54	-9.05
	5825	5825 (Pk)	Vertical	104.13	-	-
		5825 (Av)		91.17	-	-
		5850 (Pk)		61.74	78.2*	-16.46
		5860 (Pk)		54.44	78.2*	-23.76
		11650 (Pk)		54.02	68.23	-14.21
		11650 (Av)		41.87	54	-12.13
		17475 (Pk)		58.80	68.23	-9.43
		17475 (Av)		46.90	54	-7.10
		5825 (Pk)	Horizontal	111.75	-	-
		5825 (Av)		99.02	-	-
		5850 (Pk)		67.68	78.2*	-10.52
		5860 (Pk)		59.04	78.2*	-19.16
		11650 (Pk)		58.41	68.23	-9.82
		11650 (Av)		44.87	54	-9.13
		17475 (Pk)		59.19	68.23	-9.04
		17475 (Pk)		46.90	54	-7.10

Modulation: **802.11ax-HE20**
Data rate: **MCS11**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5180	5180 (Pk)	Vertical	96.28	-	-
		5180 (Av)		83.48	-	-
		5150 (Pk)		45.38	74*	-28.62
		5150 (Av)		32.66	54*	-21.34
		10360 (Pk)		51.76	68.23	-16.47
		10360 (Av)		39.37	54	-14.63
		15540 (Pk)		53.87	68.23	-14.36
		15540 (Av)		42.01	54	-11.99
		5180 (Pk)	Horizontal	101.31	-	-
		5180 (Av)		88.25	-	-
		5150 (Pk)		50.60	74*	-23.40
		5150 (Av)		35.97	54*	-18.03
		10360 (Pk)		52.10	68.23	-16.13
		10360 (Av)		39.65	54	-14.35
		15540 (Pk)		53.10	68.23	-15.13
		15540 (Av)		41.92	54	-12.08
	5240	5240 (Pk)	Vertical	95.25	-	-
		5240 (Av)		82.31	-	-
		5350 (Pk)		43.08	74*	-30.92
		5350 (Av)		30.59	54*	-23.41
		10480 (Pk)		52.07	68.23	-16.16
		10480 (Av)		40.35	54	-13.65
		15720 (Pk)		54.05	68.23	-14.18
		15720 (Av)		41.71	54	-12.29
		5240 (Pk)	Horizontal	100.50	-	-
		5240 (Av)		87.41	-	-
		5350 (Pk)		44.01	74*	-29.99
		5350(Av)		31.85	54*	-22.15
		10480 (Pk)		52.71	68.23	-15.52
		10480 (Av)		40.41	54	-13.59
		15720 (Pk)		53.14	68.23	-15.09
		15720 (Av)		41.68	54	-12.32

UNII 2a	5320	5320 (Pk)	Vertical	97.39	-	-
		5320 (Av)		84.00	-	-
		5350 (Pk)		49.07	74*	-24.93
		5350 (Av)		32.70	54*	-21.30
		10640 (Pk)		53.24	68.23	-14.99
		10640 (Av)		40.37	54	-13.63
		15960 (Pk)		53.94	68.23	-14.29
		15960 (Av)		41.91	54	-12.09
		5320 (Pk)	Horizontal	109.38	-	-
		5320 (Av)		96.59	-	-
		5350 (Pk)		60.86	74*	-13.14
		5350 (Av)		42.48	54*	-11.52
		10640 (Pk)		51.67	68.23	-16.56
		10640 (Av)		40.33	54	-13.67
		15960 (Pk)		54.26	68.23	-13.97
		15960 (Av)		41.85	54	-12.15
UNII 2c	5500	5500 (Pk)	Vertical	90.75	-	-
		5500 (Av)		77.39	-	-
		5460 (Pk)		42.45	74*	-31.55
		5460 (Av)		30.31	54*	-23.69
		11000 (Pk)		53.08	68.23	-15.15
		11000 (Av)		41.29	54	-12.71
		16500 (Pk)		55.54	68.23	-12.69
		16500 (Av)		43.93	54	-10.07
		5500 (Pk)	Horizontal	99.53	-	-
		5500 (Av)		87.19	-	-
		5460 (Pk)		45.59	74*	-28.41
		5460 (Av)		33.69	54*	-20.31
		11000 (Pk)		53.15	68.23	-15.08
		11000 (Av)		41.33	54	-12.67
		16500 (Pk)		55.79	68.23	-12.44
		16500 (Av)		43.99	54	-10.01
	5600	5600 (Pk)	Vertical	89.10	-	-
		5600 (Av)		76.60	-	-
		5460 (Pk)		42.84	74*	-31.16
		5460 (Av)		29.81	54*	-24.19
		11200 (Pk)		52.73	68.23	-15.50
		11200 (Av)		41.11	54	-12.89
		16800 (Pk)		55.58	68.23	-12.65
		16800 (Av)		44.11	54	-9.89
		5600 (Pk)	Horizontal	99.56	-	-
		5600 (Av)		86.24	-	-
		5460 (Pk)		42.88	74*	-31.12
		5460 (Av)		31.10	54*	-22.90
		11200 (Pk)		52.52	68.23	-15.71
		11200 (Av)		41.09	54	-12.91
		16800 (Pk)		55.58	68.23	-12.65
		16800 (Av)		44.13	54	-9.87

UNII 3	5700	5700 (Pk)	Vertical	88.88	-	-
		5700 (Av)		76.24	-	-
		5460 (Pk)		42.77	74*	-31.23
		5460 (Av)		29.85	54*	-24.15
		11400 (Pk)		53.58	68.23	-14.65
		11400 (Av)		41.89	54	-12.11
		17100 (Pk)		57.08	68.23	-11.15
		17100 (Av)		44.72	54	-9.28
		5700 (Pk)	Horizontal	96.26	-	-
		5700 (Av)		83.52	-	-
		5460 (Pk)		42.73	74*	-31.27
		5460 (Av)		30.07	54*	-23.93
		11400 (Pk)		54.10	68.23	-14.13
		11400 (Av)		41.89	54	-12.11
		17100 (Pk)		56.26	68.23	-11.97
		17100 (Av)		44.70	54	-9.30
	5745	5745 (Pk)	Vertical	96.07	-	-
		5745 (Av)		82.95	-	-
		5715(Pk)		47.32	78.2*	-30.88
		5725(Pk)		58.10	78.2*	-20.10
		11490 (Pk)		54.83	68.23	-13.40
		11490 (Av)		42.95	54	-11.05
		17235 (Pk)		57.18	68.23	-11.05
		17235 (Av)		45.01	54	-8.99
		5745 (Pk)	Horizontal	103.48	-	-
		5745 (Av)		89.72	-	-
		5715(Pk)		51.03	78.2*	-27.17
		5725(Pk)		63.50	78.2*	-14.70
		11490 (Pk)		59.47	68.23	-8.76
		11490 (Av)		46.20	54	-7.80
		17235 (Pk)		56.40	68.23	-11.83
		17235 (Av)		44.98	54	-9.02
	5825	5825 (Pk)	Vertical	95.77	-	-
		5825 (Av)		82.95	-	-
		5850 (Pk)		54.82	78.2*	-23.38
		5860 (Pk)		46.32	78.2*	-31.88
		11650 (Pk)		54.21	68.23	-14.02
		11650 (Av)		41.91	54	-12.09
		17475 (Pk)		59.21	68.23	-9.02
		17475 (Av)		46.98	54	-7.02
		5825 (Pk)	Horizontal	103.08	-	-
		5825 (Av)		89.41	-	-
		5850 (Pk)		58.65	78.2*	-19.55
		5860 (Pk)		51.90	78.2*	-26.30
		11650 (Pk)		59.38	68.23	-8.85
		11650 (Av)		45.74	54	-8.26
		17475 (Pk)		58.82	68.23	-9.41
		17475 (Pk)		46.87	54	-7.13

Modulation: **802.11n-HT40**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5190	5190 (Pk)	Vertical	94.15	-	-
		5190 (Av)		83.81	-	-
		5150 (Pk)		58.03	74*	-15.97
		5150 (Av)		38.20	54*	-15.80
		10380 (Pk)		51.78	68.23	-16.45
		10380 (Av)		39.76	54	-14.24
		15570 (Pk)		53.15	68.23	-15.08
		15570 (Av)		41.28	54	-12.72
		5190 (Pk)	Horizontal	102.82	-	-
		5190 (Av)		92.32	-	-
		5150 (Pk)		64.82	74*	-9.18
		5150 (Av)		44.84	54*	-9.16
		10380 (Pk)		50.96	68.23	-17.27
		10380 (Av)		39.68	54	-14.32
		15570 (Pk)		54.05	68.23	-14.18
		15570 (Av)		41.20	54	-12.80
	5230	5230 (Pk)	Vertical	95.48	-	-
		5230 (Av)		84.92	-	-
		5150 (Pk)		44.03	74*	-29.97
		5150 (Av)		31.86	54*	-22.14
		10460 (Pk)		52.82	68.23	-15.41
		10460 (Av)		40.13	54	-13.87
		15690 (Pk)		53.69	68.23	-14.54
		15690 (Av)		41.17	54	-12.83
		5230 (Pk)	Horizontal	101.61	-	-
		5230 (Av)		91.38	-	-
		5150 (Pk)		49.37	74*	-24.63
		5150 (Av)		36.75	54*	-17.25
		10460 (Pk)		56.57	68.23	-11.66
		10460 (Av)		40.14	54	-13.86
		15690 (Pk)		53.63	68.23	-14.60
		15690 (Av)		41.16	54	-12.84

UNII 2a	5270	5270 (Pk)	Vertical	95.47	-	-
		5270 (Av)		85.12	-	-
		5350 (Pk)		48.59	74*	-25.41
		5350 (Av)		33.74	54*	-20.26
		10540 (Pk)		52.52	68.23	-15.71
		10540 (Av)		40.16	54	-13.84
		15810 (Pk)		53.77	68.23	-14.46
		15810 (Av)		40.96	54	-13.04
		5270 (Pk)	Horizontal	103.29	-	-
		5270 (Av)		93.23	-	-
		5350 (Pk)		53.69	74*	-20.31
		5350 (Av)		39.40	54*	-14.60
		10540 (Pk)		52.62	68.23	-15.61
		10540 (Av)		40.12	54	-13.88
		15810 (Pk)		53.07	68.23	-15.16
		15810 (Av)		40.96	54	-13.04
UNII 2c	5510	5510 (Pk)	Vertical	92.89	-	-
		5510 (Av)		82.43	-	-
		5460 (Pk)		49.83	74*	-24.17
		5460 (Av)		33.79	54*	-20.21
		11020 (Pk)		52.93	68.23	-15.30
		11020 (Av)		41.15	54	-12.85
		16530 (Pk)		54.63	68.23	-13.60
		16530 (Av)		43.05	54	-10.95
		5510 (Pk)	Horizontal	100.65	-	-
		5510 (Av)		90.28	-	-
		5460 (Pk)		56.40	74*	-17.60
		5460 (Av)		41.22	54*	-12.78
		11020 (Pk)		54.31	68.23	-13.92
		11020 (Av)		41.12	54	-12.88
		16530 (Pk)		55.70	68.23	-12.53
		16530 (Av)		43.05	54	-10.95
	5590	5590 (Pk)	Vertical	91.90	-	-
		5590 (Av)		81.22	-	-
		5460 (Pk)		44.16	74*	-29.84
		5460 (Av)		30.83	54*	-23.17
		11180 (Pk)		54.03	68.23	-14.20
		11180 (Av)		40.76	54	-13.24
		16770 (Pk)		56.35	68.23	-11.88
		16770 (Av)		43.75	54	-10.25
		5590 (Pk)	Horizontal	99.99	-	-
		5590(Av)		89.56	-	-
		5460 (pk)		46.68	74*	-27.32
		5460(Av)		34.12	54*	-19.88
		11180 (Pk)		52.84	68.23	-15.39
		11180(Av)		40.72	54	-13.28
		16770 (Pk)		56.04	68.23	-12.19
		16770 (Av)		43.73	54	-10.27

	5670	5670 (Pk)	Vertical	93.45	-	-
		5670 (Av)		82.94	-	-
		5460 (Pk)		43.47	74*	-30.53
		5460 (Av)		30.17	54*	-23.83
		11340 (Pk)		53.40	68.23	-14.83
		11340 (Av)		41.35	54	-12.65
		17010 (Pk)		55.99	68.23	-12.24
		17010 (Av)		43.73	54	-10.27
		5670 (Pk)	Horizontal	100.90	-	-
		5670 (Av)		90.39	-	-
		5460 (Pk)		44.15	74*	-29.85
		5460 (Av)		31.78	54*	-22.22
		11340 (Pk)		53.49	68.23	-14.74
		11340 (Av)		41.33	54	-12.67
		17010 (Pk)		55.82	68.23	-12.41
		17010 (Av)		43.75	54	-10.25
UNII 3	5755	5755 (Pk)	Vertical	93.03	-	-
		5755 (Av)		81.99	-	-
		5715(Pk)		61.49	78.2*	-16.71
		5725(Pk)		62.76	78.2*	-15.44
		11510 (Pk)		54.10	68.23	-14.13
		11510 (Av)		42.81	54	-11.19
		17265 (Pk)		57.39	68.23	-10.84
		17265 (Av)		44.76	54	-9.24
		5755 (Pk)	Horizontal	103.09	-	-
		5755 (Av)		93.77	-	-
		5715(Pk)		70.58	78.2*	-7.62
		5725(Pk)		73.11	78.2*	-5.09
		11510 (Pk)		55.06	68.23	-13.17
		11510 (Av)		42.64	54	-11.36
		17265 (Pk)		57.68	68.23	-10.55
		17265 (Av)		44.69	54	-9.31
	5795	5795 (Pk)	Vertical	100.44	-	-
		5795 (Av)		89.75	-	-
		5850 (Pk)		62.45	78.2*	-15.75
		5860 (Pk)		61.83	78.2*	-16.37
		11590 (Pk)		54.33	68.23	-13.90
		11590 (Av)		42.41	54	-11.59
		17385 (Pk)		57.90	68.23	-10.33
		17385 (Av)		45.79	54	-8.21
		5795 (Pk)	Horizontal	97.33	-	-
		5795 (Av)		86.75	-	-
		5850 (Pk)		62.97	78.2*	-15.23
		5860 (Pk)		60.73	78.2*	-17.47
		11590 (Pk)		61.03	68.23	-7.20
		11590 (Av)		46.96	54	-7.04
		17385 (Pk)		57.41	68.23	-10.82
		17385 (Av)		45.54	54	-8.46

Modulation: **802.11n-HT40**
Data rate: **MCS7**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5190	5190 (Pk)	Vertical	91.77	-	-
		5190 (Av)		76.72	-	-
		5150 (Pk)		51.22	74*	-22.78
		5150 (Av)		33.58	54*	-20.42
		10380 (Pk)		51.57	68.23	-16.66
		10380 (Av)		39.61	54	-14.39
		15570 (Pk)		53.15	68.23	-15.08
		15570 (Av)		41.33	54	-12.67
		5190 (Pk)	Horizontal	102.33	-	-
		5190 (Av)		87.10	-	-
		5150 (Pk)		59.42	74*	-14.58
		5150 (Av)		39.76	54*	-14.24
		10380 (Pk)		51.44	68.23	-16.79
		10380 (Av)		39.54	54	-14.46
		15570 (Pk)		53.81	68.23	-14.42
		15570 (Av)		41.34	54	-12.66
	5230	5230 (Pk)	Vertical	95.94	-	-
		5230 (Av)		80.75	-	-
		5150 (Pk)		45.05	74*	-28.95
		5150 (Av)		31.57	54*	-22.43
		10460 (Pk)		51.70	68.23	-16.53
		10460 (Av)		40.22	54	-13.78
		15690 (Pk)		54.03	68.23	-14.20
		15690 (Av)		41.36	54	-12.64
		5230 (Pk)	Horizontal	102.74	-	-
		5230 (Av)		86.95	-	-
		5150 (Pk)		50.27	74*	-23.73
		5150 (Av)		35.37	54*	-18.63
		10460 (Pk)		53.12	68.23	-15.11
		10460 (Av)		40.20	54	-13.80
		15690 (Pk)		53.78	68.23	-14.45
		15690 (Av)		41.35	54	-12.65

UNII 2a	5270	5270 (Pk)	Vertical	94.83	-	-
		5270 (Av)		79.64	-	-
		5350 (Pk)		45.33	74*	-28.67
		5350 (Av)		31.55	54*	-22.45
		10540 (Pk)		52.51	68.23	-15.72
		10540 (Av)		40.38	54	-13.62
		15810 (Pk)		52.66	68.23	-15.57
		15810 (Av)		41.15	54	-12.85
		5270 (Pk)	Horizontal	98.23	-	-
		5270 (Av)		83.57	-	-
		5350 (Pk)		48.24	74*	-25.76
		5350 (Av)		33.50	54*	-20.50
		10540 (Pk)		52.91	68.23	-15.32
		10540 (Av)		40.40	54	-13.60
		15810 (Pk)		52.95	68.23	-15.28
		15810 (Av)		41.19	54	-12.81
UNII 2c	5510	5510 (Pk)	Vertical	91.97	-	-
		5510 (Av)		76.34	-	-
		5460 (Pk)		47.06	74*	-26.94
		5460 (Av)		31.67	54*	-22.33
		11020 (Pk)		53.51	68.23	-14.72
		11020 (Av)		41.38	54	-12.62
		16530 (Pk)		54.67	68.23	-13.56
		16530 (Av)		43.28	54	-10.72
		5510 (Pk)	Horizontal	99.11	-	-
		5510 (Av)		83.95	-	-
		5460 (Pk)		55.30	74*	-18.70
		5460 (Av)		36.54	54*	-17.46
		11020 (Pk)		53.35	68.23	-14.88
		11020 (Av)		41.40	54	-12.60
		16530 (Pk)		55.27	68.23	-12.96
		16530 (Av)		43.25	54	-10.75
	5590	5590 (Pk)	Vertical	90.51	-	-
		5590 (Av)		75.10	-	-
		5460 (Pk)		43.31	74*	-30.69
		5460 (Av)		30.48	54*	-23.52
		11180 (Pk)		52.62	68.23	-15.61
		11180 (Av)		40.99	54	-13.01
		16770 (Pk)		56.29	68.23	-11.94
		16770 (Pk)		44.09	54	-9.91
		5590 (Pk)	Horizontal	98.23	-	-
		5590 (Av)		84.40	-	-
		5460 (Pk)		44.85	74*	-29.15
		5460 (Av)		31.84	54*	-22.16
		11180 (Pk)		53.28	68.23	-14.95
		11180 (Av)		41.05	54	-12.95
		16770 (Pk)		55.38	68.23	-12.85
		16770 (Pk)		44.04	54	-9.96

UNII 3	5670	5670 (Pk)	Vertical	89.54	-	-
		5670 (Av)		74.34	-	-
		5460 (Pk)		43.06	74*	-30.94
		5460 (Av)		30.14	54*	-23.86
		11340 (Pk)		53.33	68.23	-14.90
		11340 (Av)		40.71	54	-13.29
		17010 (Pk)		55.61	68.23	-12.62
		17010 (Av)		42.89	54	-11.11
		5670 (Pk)	Horizontal	99.93	-	-
		5670 (Av)		85.01	-	-
		5460 (Pk)		42.84	74*	-31.16
		5460 (Av)		30.90	54*	-23.10
		11340 (Pk)		52.31	68.23	-15.92
		11340 (Av)		40.70	54	-13.30
		17010 (Pk)		54.86	68.23	-13.37
		17010 (Av)		42.89	54	-11.11
	5755	5755 (Pk)	Vertical	96.60	-	-
		5755 (Av)		80.87	-	-
		5715(Pk)		66.47	78.2*	-11.73
		5725(Pk)		64.05	78.2*	-14.15
		11510 (Pk)		53.90	68.23	-14.33
		11510 (Av)		41.83	54	-12.17
		17265 (Pk)		55.40	68.23	-12.83
		17265 (Av)		43.34	54	-10.66
		5755 (Pk)	Horizontal	103.65	-	-
		5755 (Av)		89.95	-	-
		5715(Pk)		70.84	78.2*	-7.36
		5725(Pk)		73.70	78.2*	-4.50
		11510 (Pk)		53.65	68.23	-14.58
		11510 (Av)		41.84	54	-12.16
		17265 (Pk)		55.15	68.23	-13.08
		17265 (Av)		43.33	54	-10.67
	5795	5795 (Pk)	Vertical	96.13	-	-
		5795 (Av)		80.56	-	-
		5850 (Pk)		53.61	78.2*	-24.59
		5860 (Pk)		49.79	78.2*	-28.41
		11590 (Pk)		54.97	68.23	-13.26
		11590 (Av)		42.32	54	-11.68
		17385 (Pk)		58.64	68.23	-9.59
		17385 (Av)		45.79	54	-8.21
		5795 (Pk)	Horizontal	101.00	-	-
		5795 (Av)		85.14	-	-
		5850 (Pk)		59.63	78.2*	-18.57
		5860 (Pk)		58.19	78.2*	-20.01
		11590 (Pk)		56.91	68.23	-11.32
		11590 (Av)		43.54	54	-10.46
		17385 (Pk)		58.34	68.23	-9.89
		17385 (Av)		45.76	54	-8.24

Modulation: **802.11ac-VHT40**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5190	5190 (Pk)	Vertical	90.08	-	-
		5190 (Av)		80.27	-	-
		5150 (Pk)		54.90	74*	-19.10
		5150 (Av)		35.82	54*	-18.18
		10380 (Pk)		53.42	68.23	-14.81
		10380 (Av)		41.17	54	-12.83
		15570 (Pk)		52.88	68.23	-15.35
		15570 (Av)		40.68	54	-13.32
		5190 (Pk)	Horizontal	98.50	-	-
		5190 (Av)		88.58	-	-
		5150 (Pk)		63.85	74*	-10.15
		5150 (Av)		44.30	54*	-9.70
		10380 (Pk)		53.01	68.23	-15.22
		10380 (Av)		41.10	54	-12.90
		15570 (Pk)		51.66	68.23	-16.57
		15570 (Av)		40.69	54	-13.31
	5230	5230 (Pk)	Vertical	90.08	-	-
		5230 (Av)		80.83	-	-
		5150 (Pk)		42.38	74*	-31.62
		5150 (Av)		30.58	54*	-23.42
		10460 (Pk)		52.25	68.23	-15.98
		10460 (Av)		40.05	54	-13.95
		15690 (Pk)		52.85	68.23	-15.38
		15690 (Av)		40.62	54	-13.38
		5230 (Pk)	Horizontal	95.04	-	-
		5230 (Av)		85.28	-	-
		5150 (Pk)		44.50	74*	-29.50
		5150 (Av)		32.12	54*	-21.88
		10460 (Pk)		51.59	68.23	-16.64
		10460 (Av)		40.03	54	-13.97
		15690 (Pk)		52.45	68.23	-15.78
		15690 (Av)		40.61	54	-13.39

UNII 2a	5270	5270 (Pk)	Vertical	90.87	-	-
		5270 (Av)		81.07	-	-
		5350 (Pk)		42.41	74*	-31.59
		5350 (Av)		30.95	54*	-23.05
		10540 (Pk)		52.89	68.23	-15.34
		10540 (Av)		40.21	54	-13.79
		15810 (Pk)		52.46	68.23	-15.77
		15810 (Av)		40.72	54	-13.28
		5270 (Pk)	Horizontal	103.41	-	-
		5270 (Av)		93.65	-	-
		5350 (Pk)		51.33	74*	-22.67
		5350 (Av)		39.51	54*	-14.49
		10540 (Pk)		51.86	68.23	-16.37
		10540 (Av)		40.18	54	-13.82
		15810 (Pk)		52.63	68.23	-15.60
		15810 (Av)		40.74	54	-13.26
UNII 2c	5510	5510 (Pk)	Vertical	89.91	-	-
		5510 (Av)		80.84	-	-
		5460 (Pk)		50.67	74*	-23.33
		5460 (Av)		33.24	54*	-20.76
		11020 (Pk)		52.35	68.23	-15.88
		11020 (Av)		40.88	54	-13.12
		16530 (Pk)		53.88	68.23	-14.35
		16530 (Av)		42.44	54	-11.56
		5510 (Pk)	Horizontal	94.65	-	-
		5510 (Av)		85.29	-	-
		5460 (Pk)		52.45	74*	-21.55
		5460 (Av)		36.13	54*	-17.87
		11020 (Pk)		52.56	68.23	-15.67
		11020 (Av)		40.83	54	-13.17
		16530 (Pk)		53.47	68.23	-14.76
		16530 (Av)		42.39	54	-11.61
	5590	5590 (Pk)	Vertical	91.05	-	-
		5590 (Av)		81.34	-	-
		5460 (Pk)		42.19	74*	-31.81
		5460 (Av)		30.52	54*	-23.48
		11180 (Pk)		51.81	68.23	-16.42
		11180 (Av)		40.38	54	-13.62
		16770 (Pk)		55.26	68.23	-12.97
		16770 (Av)		43.29	54	-10.71
		5590 (Pk)	Horizontal	101.27	-	-
		5590 (Av)		91.74	-	-
		5460 (Pk)		45.97	74*	-28.03
		5460 (Av)		34.86	54*	-19.14
		11180 (Pk)		53.17	68.23	-15.06
		11180 (Av)		40.42	54	-13.58
		16770 (Pk)		55.44	68.23	-12.79
		16770 (Av)		43.27	54	-10.73

	5670	5670 (Pk)	Vertical	87.35	-	-
		5670 (Av)		78.42	-	-
		5460 (Pk)		42.56	74*	-31.44
		5460 (Av)		30.06	54*	-23.94
		11340 (Pk)		52.30	68.23	-15.93
		11340 (Av)		40.76	54	-13.24
		17010 (Pk)		54.30	68.23	-13.93
		17010 (Av)		42.96	54	-11.04
		5670 (Pk)	Horizontal	99.43	-	-
		5670 (Av)		89.77	-	-
		5460 (Pk)		43.66	74*	-30.34
		5460 (Av)		31.44	54*	-22.56
		11340 (Pk)		52.19	68.23	-16.04
		11340 (Av)		40.71	54	-13.29
		17010 (Pk)		55.02	68.23	-13.21
		17010 (Av)		42.88	54	-11.12
UNII 3	5755	5755 (Pk)	Vertical	95.72	-	-
		5755 (Av)		84.76	-	-
		5715(Pk)		67.88	78.2*	-10.32
		5725(Pk)		69.16	78.2*	-9.04
		11510 (Pk)		56.67	68.23	-11.56
		11510 (Av)		42.00	54	-12.00
		17265 (Pk)		55.34	68.23	-12.89
		17265 (Av)		43.38	54	-10.62
		5755 (Pk)	Horizontal	107.60	-	-
		5755 (Av)		94.76	-	-
		5715(Pk)		73.42	78.2*	-4.78
		5725(Pk)		75.60	78.2*	-2.60
		11510 (Pk)		53.97	68.23	-14.26
		11510 (Av)		41.91	54	-12.09
		17265 (Pk)		54.71	68.23	-13.52
		17265 (Av)		43.37	54	-10.63
	5795	5795 (Pk)	Vertical	99.05	-	-
		5795 (Av)		89.03	-	-
		5850 (Pk)		61.58	78.2*	-16.62
		5860 (Pk)		58.77	78.2*	-19.43
		11590 (Pk)		55.01	68.23	-13.22
		11590 (Av)		42.36	54	-11.64
		17385 (Pk)		57.18	68.23	-11.05
		17385 (Av)		45.81	54	-8.19
		5795 (Pk)	Horizontal	97.29	-	-
		5795 (Av)		87.55	-	-
		5850 (Pk)		60.09	78.2*	-18.11
		5860 (Pk)		59.00	78.2*	-19.20
		11590 (Pk)		66.21	68.23	-2.02
		11590 (Av)		52.02	54	-1.98
		17385 (Pk)		57.85	68.23	-10.38
		17385 (Av)		45.79	54	-8.21

Modulation: **802.11ac-VHT40**
Data rate: **MCS9**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5190	5190 (Pk)	Vertical	87.37	-	-
		5190 (Av)		72.40	-	-
		5150 (Pk)		47.36	74*	-26.64
		5150 (Av)		31.52	54*	-22.48
		10380 (Pk)		52.84	68.23	-15.39
		10380 (Av)		39.51	54	-14.49
		15570 (Pk)		52.93	68.23	-15.30
		15570 (Av)		40.68	54	-13.32
		5190 (Pk)	Horizontal	95.32	-	-
		5190 (Av)		79.84	-	-
		5150 (Pk)		49.83	74*	-24.17
		5150 (Av)		34.34	54*	-19.66
		10380 (Pk)		51.75	68.23	-16.48
		10380 (Av)		39.47	54	-14.53
		15570 (Pk)		52.42	68.23	-15.81
		15570 (Av)		40.71	54	-13.29
	5230	5230 (Pk)	Vertical	89.64	-	-
		5230 (Av)		75.20	-	-
		5150 (Pk)		42.44	74*	-31.56
		5150 (Av)		30.73	54*	-23.27
		10460 (Pk)		52.01	68.23	-16.22
		10460 (Av)		40.02	54	-13.98
		15690 (Pk)		52.07	68.23	-16.16
		15690 (Av)		40.56	54	-13.44
		5230 (Pk)	Horizontal	101.41	-	-
		5230 (Av)		87.96	-	-
		5150 (Pk)		49.17	74*	-24.83
		5150 (Av)		35.98	54*	-18.02
		10460 (Pk)		51.57	68.23	-16.66
		10460 (Av)		39.99	54	-14.01
		15690 (Pk)		52.20	68.23	-16.03
		15690 (Av)		40.60	54	-13.40

UNII 2a	5270	5270 (Pk)	Vertical	91.26	-	-
		5270 (Av)		77.13	-	-
		5350 (Pk)		43.82	74*	-30.18
		5350 (Av)		30.96	54*	-23.04
		10540 (Pk)		51.83	68.23	-16.40
		10540 (Av)		40.23	54	-13.77
		15810 (Pk)		52.49	68.23	-15.74
		15810 (Av)		40.82	54	-13.18
		5270 (Pk)	Horizontal	97.37	-	-
		5270 (Av)		82.88	-	-
		5350 (Pk)		46.21	74*	-27.79
		5350 (Av)		32.97	54*	-21.03
		10540 (Pk)		52.12	68.23	-16.11
		10540 (Av)		40.26	54	-13.74
		15810 (Pk)		52.90	68.23	-15.33
		15810 (Av)		40.83	54	-13.17
UNII 2c	5510	5510 (Pk)	Vertical	90.25	-	-
		5510 (Av)		75.94	-	-
		5460 (Pk)		47.62	74*	-26.38
		5460 (Av)		32.52	54*	-21.48
		11020 (Pk)		52.36	68.23	-15.87
		11020 (Av)		40.80	54	-13.20
		16530 (Pk)		53.81	68.23	-14.42
		16530 (Av)		42.26	54	-11.74
		5510 (Pk)	Horizontal	96.92	-	-
		5510 (Av)		81.83	-	-
		5460 (Pk)		52.48	74*	-21.52
		5460 (Av)		36.03	54*	-17.97
		11020 (Pk)		52.48	68.23	-15.75
		11020 (Av)		40.79	54	-13.21
		16530 (Pk)		53.71	68.23	-14.52
		16530 (Av)		42.33	54	-11.67
	5590	5590 (Pk)	Vertical	88.98	-	-
		5590 (Av)		74.76	-	-
		5460 (Pk)		42.71	74*	-31.29
		5460 (Av)		30.43	54*	-23.57
		11180 (Pk)		51.73	68.23	-16.50
		11180 (Av)		40.33	54	-13.67
		16770 (Pk)		55.91	68.23	-12.32
		16770 (Av)		43.25	54	-10.75
		5590 (Pk)	Horizontal	98.23	-	-
		5590 (Av)		83.84	-	-
		5460 (Pk)		44.42	74*	-29.58
		5460 (Av)		32.30	54*	-21.70
		11180 (Pk)		51.47	68.23	-16.76
		11180 (Av)		40.39	54	-13.61
		16770 (Pk)		55.36	68.23	-12.87
		16770 (Av)		43.27	54	-10.73

	5670	5670 (Pk)	Vertical	90.34	-	-
		5670 (Av)		76.46	-	-
		5460 (Pk)		43.09	74*	-30.91
		5460 (Av)		30.11	54*	-23.89
		11340 (Pk)		52.56	68.23	-15.67
		11340 (Av)		40.77	54	-13.23
		17010 (Pk)		53.75	68.23	-14.48
		17010 (Av)		42.71	54	-11.29
		5670 (Pk)	Horizontal	99.53	-	-
		5670 (Av)		86.03	-	-
		5460 (Pk)		43.98	74*	-30.02
		5460 (Av)		31.13	54*	-22.87
		11340 (Pk)		52.14	68.23	-16.09
		11340 (Av)		40.78	54	-13.22
		17010 (Pk)		54.96	68.23	-13.27
		17010 (Av)		42.75	54	-11.25
UNII 3	5755	5755 (Pk)	Vertical	94.18	-	-
		5755 (Av)		82.60	-	-
		5715(Pk)		62.43	78.2*	-15.77
		5725(Pk)		65.43	78.2*	-12.77
		11510 (Pk)		53.43	68.23	-14.80
		11510 (Av)		41.89	54	-12.11
		17265 (Pk)		54.23	68.23	-14.00
		17265 (Av)		43.03	54	-10.97
		5755 (Pk)	Horizontal	105.33	-	-
		5755 (Av)		94.29	-	-
		5715(Pk)		71.68	78.2*	-6.52
		5725(Pk)		74.99	78.2*	-3.21
		11510 (Pk)		53.79	68.23	-14.44
		11510 (Av)		41.99	54	-12.01
		17265 (Pk)		54.97	68.23	-13.26
		17265 (Av)		43.08	54	-10.92
	5795	5795 (Pk)	Vertical	98.61	-	-
		5795 (Av)		82.98	-	-
		5850 (Pk)		60.49	78.2*	-17.71
		5860 (Pk)		54.45	78.2*	-23.75
		11590 (Pk)		54.54	68.23	-13.69
		11590 (Av)		42.34	54	-11.66
		17385 (Pk)		57.38	68.23	-10.85
		17385 (Av)		45.79	54	-8.21
		5795 (Pk)	Horizontal	108.63	-	-
		5795 (Av)		93.62	-	-
		5850 (Pk)		70.18	78.2*	-8.02
		5860 (Pk)		63.45	78.2*	-14.75
		11590 (Pk)		54.91	68.23	-13.32
		11590 (Av)		42.73	54	-11.27
		17385 (Pk)		58.09	68.23	-10.14
		17385 (Av)		45.79	54	-8.21

Modulation: **802.11ax-HE40**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5190	5190 (Pk)	Vertical	93.96	-	-
		5190 (Av)		81.73	-	-
		5150 (Pk)		53.19	74*	-20.81
		5150 (Av)		37.19	54*	-16.81
		10380 (Pk)		50.77	68.23	-17.46
		10380 (Av)		39.27	54	-14.73
		15570 (Pk)		52.89	68.23	-15.34
		15570 (Av)		40.86	54	-13.14
		5190 (Pk)	Horizontal	104.99	-	-
		5190 (Av)		92.49	-	-
		5150 (Pk)		61.93	74*	-12.07
		5150 (Av)		46.57	54*	-7.43
		10380 (Pk)		51.20	68.23	-17.03
		10380 (Av)		39.32	54	-14.68
		15570 (Pk)		53.52	68.23	-14.71
		15570 (Av)		40.84	54	-13.16
	5230	5230 (Pk)	Vertical	92.89	-	-
		5230 (Av)		80.46	-	-
		5150 (Pk)		43.31	74*	-30.69
		5150 (Av)		31.17	54*	-22.83
		10460 (Pk)		52.04	68.23	-16.19
		10460 (Av)		40.16	54	-13.84
		15690 (Pk)		52.66	68.23	-15.57
		15690 (Av)		41.20	54	-12.80
		5230 (Pk)	Horizontal	97.61	-	-
		5230 (Av)		85.17	-	-
		5150 (Pk)		44.08	74*	-29.92
		5150 (Av)		32.13	54*	-21.87
		10460 (Pk)		51.89	68.23	-16.34
		10460 (Av)		40.23	54	-13.77
		15690 (Pk)		52.36	68.23	-15.87
		15690 (Av)		41.21	54	-12.79

UNII 2a	5270	5270 (Pk)	Vertical	94.78	-	-
		5270 (Av)		82.06	-	-
		5350 (Pk)		45.73	74*	-28.27
		5350 (Av)		31.85	54*	-22.15
		10540 (Pk)		51.98	68.23	-16.25
		10540 (Av)		40.24	54	-13.76
		15810 (Pk)		53.02	68.23	-15.21
		15810 (Av)		41.16	54	-12.84
		5270 (Pk)	Horizontal	106.33	-	-
		5270 (Av)		93.50	-	-
		5350 (Pk)		52.84	74*	-21.16
		5350 (Av)		39.85	54*	-14.15
		10540 (Pk)		52.25	68.23	-15.98
		10540 (Av)		40.22	54	-13.78
		15810 (Pk)		52.71	68.23	-15.52
		15810 (Av)		41.13	54	-12.87
UNII 2c	5510	5510 (Pk)	Vertical	93.57	-	-
		5510 (Av)		81.04	-	-
		5460 (Pk)		47.33	74*	-26.67
		5460 (Av)		33.71	54*	-20.29
		11020 (Pk)		52.23	68.23	-16.00
		11020 (Av)		40.88	54	-13.12
		16530 (Pk)		54.38	68.23	-13.85
		16530 (Av)		42.50	54	-11.50
		5510 (Pk)	Horizontal	98.10	-	-
		5510 (Av)		85.77	-	-
		5460 (Pk)		53.44	74*	-20.56
		5460 (Av)		36.75	54*	-17.25
		11020 (Pk)		52.79	68.23	-15.44
		11020 (Av)		40.92	54	-13.08
		16530 (Pk)		54.48	68.23	-13.75
		16530 (Av)		42.56	54	-11.44
	5590	5590 (Pk)	Vertical	93.26	-	-
		5590 (Av)		80.39	-	-
		5460 (Pk)		42.63	74*	-31.37
		5460 (Av)		30.43	54*	-23.57
		11180 (Pk)		52.34	68.23	-15.89
		11180 (Av)		40.51	54	-13.49
		16770 (Pk)		55.52	68.23	-12.71
		5590 (Pk)		43.46	54	-10.54
		5590 (Pk)	Horizontal	104.67	-	-
		5590 (Av)		91.84	-	-
		5460 (Pk)		47.33	74*	-26.67
		5460 (Av)		35.35	54*	-18.65
		11180 (Pk)		53.30	68.23	-14.93
		11180 (Av)		40.57	54	-13.43
		16770 (Pk)		54.40	68.23	-13.83
		16770 (Av)		42.55	54	-11.45

	5670	5670 (Pk)	Vertical	91.86	-	-
		5670 (Av)		79.11	-	-
		5460 (Pk)		42.05	74*	-31.95
		5460 (Av)		29.91	54*	-24.09
		11340 (Pk)		53.10	68.23	-15.13
		11340 (Av)		41.10	54	-12.90
		17010 (Pk)		55.06	68.23	-13.17
		17010 (Av)		42.77	54	-11.23
		5670 (Pk)	Horizontal	100.78	-	-
		5670 (Av)		88.10	-	-
		5460 (Pk)		42.46	74*	-31.54
		5460 (Av)		31.45	54*	-22.55
		11340 (Pk)		52.79	68.23	-15.44
		11340 (Av)		40.97	54	-13.03
		17010 (Pk)		54.80	68.23	-13.43
		17010 (Av)		42.86	54	-11.14
UNII 3	5755	5755 (Pk)	Vertical	93.29	-	-
		5755 (Av)		81.82	-	-
		5715(Pk)		61.33	78.2*	-16.87
		5725(Pk)		63.60	78.2*	-14.60
		11510 (Pk)		54.66	68.23	-13.57
		11510 (Av)		42.67	54	-11.33
		17265 (Pk)		55.56	68.23	-12.67
		17265 (Av)		43.95	54	-10.05
		5755 (Pk)	Horizontal	105.86	-	-
		5755 (Av)		94.34	-	-
		5715(Pk)		68.83	78.2*	-9.37
		5725(Pk)		72.39	78.2*	-5.81
		11510 (Pk)		54.24	68.23	-13.99
		11510 (Av)		42.66	54	-11.34
		17265 (Pk)		55.63	68.23	-12.60
		17265 (Av)		43.91	54	-10.09
	5795	5795 (Pk)	Vertical	97.17	-	-
		5795 (Av)		83.74	-	-
		5850 (Pk)		57.33	78.2*	-20.87
		5860 (Pk)		54.85	78.2*	-23.35
		11590 (Pk)		56.18	68.23	-12.05
		11590 (Av)		43.38	54	-10.62
		17385 (Pk)		57.90	68.23	-10.33
		17385 (Av)		45.80	54	-8.20
		5795 (Pk)	Horizontal	110.75	-	-
		5795 (Av)		97.37	-	-
		5850 (Pk)		71.12	78.2*	-7.08
		5860 (Pk)		67.61	78.2*	-10.59
		11590 (Pk)		58.60	68.23	-9.63
		11590 (Av)		45.14	54	-8.86
		17385 (Pk)		57.71	68.23	-10.52
		17385 (Av)		45.84	54	-8.16

Modulation: **802.11ax-HE40**
Data rate: **MCS11**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5190	5190 (Pk)	Vertical	93.05	-	-
		5190 (Av)		79.99	-	-
		5150 (Pk)		51.46	74*	-22.54
		5150 (Av)		35.67	54*	-18.33
		10380 (Pk)		51.39	68.23	-16.84
		10380 (Av)		39.27	54	-14.73
		15570 (Pk)		52.71	68.23	-15.52
		15570 (Av)		40.64	54	-13.36
		5190 (Pk)	Horizontal	104.27	-	-
		5190 (Av)		90.55	-	-
		5150 (Pk)		59.49	74*	-14.51
		5150 (Av)		43.67	54*	-10.33
		10380 (Pk)		50.49	68.23	-17.74
		10380 (Av)		39.25	54	-14.75
		15570 (Pk)		52.47	68.23	-15.76
		15570 (Av)		40.44	54	-13.56
	5230	5230 (Pk)	Vertical	92.93	-	-
		5230 (Av)		79.46	-	-
		5150 (Pk)		43.87	74*	-30.13
		5150 (Av)		30.88	54*	-23.12
		10460 (Pk)		51.27	68.23	-16.96
		10460 (Av)		39.87	54	-14.13
		15690 (Pk)		51.66	68.23	-16.57
		15690 (Av)		40.54	54	-13.46
		5230 (Pk)	Horizontal	101.46	-	-
		5230 (Av)		88.81	-	-
		5150 (Pk)		46.19	74*	-27.81
		5150 (Av)		34.33	54*	-19.67
		10460 (Pk)		51.31	68.23	-16.92
		10460 (Av)		39.81	54	-14.19
		15690 (Pk)		51.85	68.23	-16.38
		15690 (Av)		40.52	54	-13.48

UNII 2a	5270	5270 (Pk)	Vertical	94.88	-	-
		5270 (Av)		81.56	-	-
		5350 (Pk)		45.31	74*	-28.69
		5350 (Av)		32.23	54*	-21.77
		10540 (Pk)		51.37	68.23	-16.86
		10540 (Av)		40.15	54	-13.85
		15810 (Pk)		52.64	68.23	-15.59
		15810 (Av)		41.14	54	-12.86
		5270 (Pk)	Horizontal	106.39	-	-
		5270 (Av)		92.92	-	-
		5350 (Pk)		51.64	74*	-22.36
		5350 (Av)		38.22	54*	-15.78
		10540 (Pk)		52.17	68.23	-16.06
		10540 (Av)		40.17	54	-13.83
		15810 (Pk)		53.56	68.23	-14.67
		15810 (Av)		41.16	54	-12.84
UNII 2c	5510	5510 (Pk)	Vertical	84.52	-	-
		5510 (Av)		70.67	-	-
		5460 (Pk)		42.63	74*	-31.37
		5460 (Av)		30.06	54*	-23.94
		11020 (Pk)		52.76	68.23	-15.47
		11020 (Av)		41.05	54	-12.95
		16530 (Pk)		55.29	68.23	-12.94
		16530 (Av)		43.23	54	-10.77
		5510 (Pk)	Horizontal	94.86	-	-
		5510 (Av)		81.62	-	-
		5460 (Pk)		44.70	74*	-29.30
		5460 (Av)		32.74	54*	-21.26
		11020 (Pk)		52.52	68.23	-15.71
		11020 (Av)		41.12	54	-12.88
		16530 (Pk)		55.88	68.23	-12.35
		16530 (Av)		43.23	54	-10.77
	5590	5590 (Pk)	Vertical	84.71	-	-
		5590 (Av)		70.90	-	-
		5460 (Pk)		41.94	74*	-32.06
		5460 (Av)		29.94	54*	-24.06
		11180 (Pk)		52.40	68.23	-15.83
		11180 (Av)		40.64	54	-13.36
		16770 (Pk)		55.20	68.23	-13.03
		16770 (Av)		43.58	54	-10.42
		5590 (Pk)	Horizontal	92.19	-	-
		5590 (Av)		79.11	-	-
		5460 (Pk)		42.90	74*	-31.10
		5460 (Av)		30.59	54*	-23.41
		11180 (Pk)		52.35	68.23	-15.88
		11180 (Av)		40.68	54	-13.32
		16770 (Pk)		55.87	68.23	-12.36
		16770 (Av)		43.65	54	-10.35

	5670	5670 (Pk)	Vertical	82.84	-	-
		5670 (Av)		69.42	-	-
		5460 (Pk)		42.65	74*	-31.35
		5460 (Av)		30.06	54*	-23.94
		11340 (Pk)		52.61	68.23	-15.62
		11340 (Av)		41.06	54	-12.94
		17010 (Pk)		55.13	68.23	-13.10
		17010 (Av)		43.02	54	-10.98
		5670 (Pk)	Horizontal	95.90	-	-
		5670 (Av)		81.99	-	-
		5460 (Pk)		43.01	74*	-30.99
		5460 (Av)		31.04	54*	-22.96
		11340 (Pk)		52.81	68.23	-15.42
		11340 (Av)		41.11	54	-12.89
		17010 (Pk)		54.60	68.23	-13.63
		17010 (Av)		42.96	54	-11.04
UNII 3	5755	5755 (Pk)	Vertical	94.42	-	-
		5755 (Av)		80.65	-	-
		5715(Pk)		52.62	78.2*	-25.58
		5725(Pk)		55.58	78.2*	-22.62
		11510 (Pk)		55.01	68.23	-13.22
		11510 (Av)		42.76	54	-11.24
		17265 (Pk)		56.53	68.23	-11.70
		17265 (Av)		43.75	54	-10.25
		5755 (Pk)	Horizontal	103.81	-	-
		5755 (Av)		89.93	-	-
		5715(Pk)		61.17	78.2*	-17.03
		5725(Pk)		65.36	78.2*	-12.84
		11510 (Pk)		54.53	68.23	-13.70
		11510 (Av)		42.73	54	-11.27
		17265 (Pk)		55.80	68.23	-12.43
		17265 (Av)		43.77	54	-10.23
	5795	5795 (Pk)	Vertical	91.80	-	-
		5795 (Av)		77.92	-	-
		5850 (Pk)		43.81	78.2*	-34.39
		5860 (Pk)		44.33	78.2*	-33.87
		11590 (Pk)		55.01	68.23	-13.22
		11590 (Av)		42.36	54	-11.64
		17385 (Pk)		58.13	68.23	-10.10
		17385 (Av)		45.82	54	-8.18
		5795 (Pk)	Horizontal	93.04	-	-
		5795 (Av)		79.08	-	-
		5850 (Pk)		44.57	78.2*	-33.63
		5860 (Pk)		43.97	78.2*	-34.23
		11590 (Pk)		54.64	68.23	-13.59
		11590 (Av)		42.49	54	-11.51
		17385 (Pk)		57.72	68.23	-10.51
		17385 (Av)		45.82	54	-8.18

Modulation: **802.11ac-VHT80**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5210	5210 (Pk)	Vertical	82.48	-	-
		5210 (Av)		72.01	-	-
		5150 (Pk)		47.48	74*	-26.52
		5150 (Av)		35.34	54*	-18.66
		10420 (Pk)		52.68	68.23	-15.55
		10420 (Av)		39.67	54	-14.33
		15630 (Pk)		53.33	68.23	-14.90
		15630 (Av)		41.05	54	-12.95
		5210 (Pk)	Horizontal	81.81	-	-
		5210 (Av)		81.18	-	-
		5150 (Pk)		53.41	74*	-20.59
		5150 (Av)		41.00	54*	-13.00
		10420 (Pk)		52.19	68.23	-16.04
		10420 (Av)		39.67	54	-14.33
		15630 (Pk)		53.08	68.23	-15.15
		15630 (Av)		41.14	54	-12.86
UNII 2a	5290	5290 (Pk)	Vertical	81.85	-	-
		5290 (Av)		72.00	-	-
		5350 (Pk)		46.56	74*	-27.44
		5350 (Av)		33.34	54*	-20.66
		10580 (Pk)		52.45	68.23	-15.78
		10580 (Av)		40.17	54	-13.83
		15870 (Pk)		53.37	68.23	-14.86
		15870 (Av)		41.33	54	-12.67
		5290 (Pk)	Horizontal	93.62	-	-
		5290 (Av)		83.81	-	-
		5350 (Pk)		55.76	74*	-18.24
		5350 (Av)		43.39	54*	-10.61
		10580 (Pk)		52.10	68.23	-16.13
		10580 (Av)		40.09	54	-13.91
		15870 (Pk)		53.28	68.23	-14.95
		15870 (Av)		41.37	54	-12.63

UNII 2c	5530	5530 (Pk)	Vertical	85.92	-	-
		5530 (Av)		74.75	-	-
		5460 (Pk)		48.72	74*	-25.28
		5460 (Av)		33.14	54*	-20.86
		11060 (Pk)		52.79	68.23	-15.44
		11060 (Av)		40.83	54	-13.17
		16590 (Pk)		54.86	68.23	-13.37
		16590 (Av)		42.73	54	-11.27
		5530 (Pk)	Horizontal	93.10	-	-
		5530 (Av)		83.52	-	-
		5460 (Pk)		56.62	74*	-17.38
		5460 (Av)		43.23	54*	-10.77
		11060 (Pk)		52.46	68.23	-15.77
		11060 (Av)		40.83	54	-13.17
		16590 (Pk)		54.54	68.23	-13.69
		16590 (Av)		42.74	54	-11.26
	5690	5690 (Pk)	Vertical	82.34	-	-
		5690 (Av)		73.12	-	-
		5460 (Pk)		42.70	74*	-31.30
		5460 (Av)		29.78	54*	-24.22
		11380 (Pk)		53.07	68.23	-15.16
		11380 (Av)		41.53	54	-12.47
		17070 (Pk)		55.52	68.23	-12.71
		17070 (Av)		43.50	54	-10.50
		5690 (Pk)	Horizontal	92.87	-	-
		5690 (Av)		83.51	-	-
		5460 (Pk)		44.71	74*	-29.29
		5460 (Av)		32.68	54*	-21.32
		11380 (Pk)		53.43	68.23	-14.80
		11380 (Av)		41.53	54	-12.47
		17070 (Pk)		55.99	68.23	-12.24
		17070 (Av)		43.62	54	-10.38
UNII 3	5775	5775 (Pk)	Vertical	91.68	-	-
		5775 (Av)		80.99	-	-
		11550 (Pk)		54.61	68.23	-13.62
		11550 (Av)		42.36	54	-11.64
		17325 (Pk)		55.51	68.23	-12.72
		17325 (Av)		44.63	54	-9.37
		5775 (Pk)	Horizontal	102.80	-	-
		5775 (Av)		92.33	-	-
		11550 (Pk)		53.97	68.23	-14.26
		11550 (Av)		42.70	54	-11.30
		17325 (Pk)		56.57	68.23	-11.66
		17325 (Av)		44.61	54	-9.39

Modulation: **802.11ac-VHT80**
Data rate: **MCS9**

UNII Bands	Channnel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5210	5210 (Pk)	Vertical	85.37	-	-
		5210 (Av)		74.68	-	-
		5150 (Pk)		46.63	74*	-27.37
		5150 (Av)		34.49	54*	-19.51
		10420 (Pk)		51.67	68.23	-16.56
		10420 (Av)		39.59	54	-14.41
		15630 (Pk)		52.98	68.23	-15.25
		15630 (Av)		40.85	54	-13.15
		5210 (Pk)	Horizontal	95.11	-	-
		5210 (Av)		84.49	-	-
		5150 (Pk)		55.97	74*	-18.03
		5150 (Av)		43.18	54*	-10.82
		10420 (Pk)		51.91	68.23	-16.32
		10420 (Av)		39.63	54	-14.37
		15630 (Pk)		53.68	68.23	-14.55
		15630 (Av)		40.83	54	-13.17
UNII 2a	5290	5290 (Pk)	Vertical	85.98	-	-
		5290 (Av)		75.03	-	-
		5350 (Pk)		44.76	74*	-29.24
		5350 (Av)		32.88	54*	-21.12
		10580 (Pk)		51.93	68.23	-16.30
		10580 (Av)		40.12	54	-13.88
		15870 (Pk)		54.13	68.23	-14.10
		15870 (Av)		41.27	54	-12.73
		5290 (Pk)	Horizontal	94.84	-	-
		5290 (Av)		84.26	-	-
		5350 (Pk)		54.32	74*	-19.68
		5350 (Av)		41.47	54*	-12.53
		10580 (Pk)		52.96	68.23	-15.27
		10580 (Av)		40.05	54	-13.95
		15870 (Pk)		53.45	68.23	-14.78
		15870 (Av)		41.24	54	-12.76

UNII 2c	5530	5530 (Pk)	Vertical	80.41	-	-
		5530 (Av)		69.59	-	-
		5460 (Pk)		41.93	74*	-32.07
		5460 (Av)		30.22	54*	-23.78
		11060 (Pk)		53.16	68.23	-15.07
		11060 (Av)		40.83	54	-13.17
		16590 (Pk)		54.74	68.23	-13.49
		16590 (Av)		42.90	54	-11.10
		5530 (Pk)	Horizontal	88.87	-	-
		5530 (Av)		78.08	-	-
		5460 (Pk)		47.41	74*	-26.59
		5460 (Av)		34.60	54*	-19.40
		11060 (Pk)		53.02	68.23	-15.21
		11060 (Av)		40.85	54	-13.15
		16590 (Pk)		55.44	68.23	-12.79
		16590 (Av)		42.92	54	-11.08
	5690	5690 (Pk)	Vertical	78.31	-	-
		5690 (Av)		67.39	-	-
		5460 (Pk)		42.92	74*	-31.08
		5460 (Av)		29.64	54*	-24.36
		11380 (Pk)		53.15	68.23	-15.08
		11380 (Av)		41.69	54	-12.31
		17070 (Pk)		55.23	68.23	-13.00
		17070 (Av)		43.82	54	-10.18
		5690 (Pk)	Horizontal	89.66	-	-
		5690 (Av)		78.67	-	-
		5460 (Pk)		43.23	74*	-30.77
		5460 (Av)		31.36	54*	-22.64
		11380 (Pk)		54.31	68.23	-13.92
		11380 (Av)		41.65	54	-12.35
		17070 (Pk)		55.43	68.23	-12.80
		17070 (Av)		43.79	54	-10.21
UNII 3	5775	5775 (Pk)	Vertical	89.65	-	-
		5775 (Ak)		78.14	-	-
		11550 (Pk)		55.03	68.23	-13.20
		11550 (Av)		42.47	54	-11.53
		17325 (Pk)		56.37	68.23	-11.86
		17325 (Av)		44.81	54	-9.19
		5775 (Pk)	Horizontal	95.38	-	-
		5775 (Av)		84.60	-	-
		11550 (Pk)		53.96	68.23	-14.27
		11550 (Av)		42.47	54	-11.53
		17325 (Pk)		56.97	68.23	-11.26
		17325 (Av)		44.92	54	-9.08

Modulation: **802.11ax-HE80**
Data rate: **MCS0**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5210	5210 (Pk)	Vertical	85.89	-	-
		5210 (Av)		73.26	-	-
		5150 (Pk)		46.72	74*	-27.28
		5150 (Av)		33.83	54*	-20.17
		10420 (Pk)		52.12	68.23	-16.11
		10420 (Av)		39.70	54	-14.30
		15630 (Pk)		53.05	68.23	-15.18
		15630 (Av)		41.01	54	-12.99
		5210 (Pk)	Horizontal	98.15	-	-
		5210 (Av)		85.52	-	-
		5150 (Pk)		55.44	74*	-18.56
		5150 (Av)		42.77	54*	-11.23
		10420 (Pk)		51.69	68.23	-16.54
		10420 (Av)		39.64	54	-14.36
		15630 (Pk)		52.87	68.23	-15.36
		15630 (Av)		41.02	54	-12.98
UNII 2a	5290	5290 (Pk)	Vertical	86.68	-	-
		5290 (Av)		73.31	-	-
		5350 (Pk)		47.94	74*	-26.06
		5350 (Av)		34.40	54*	-19.60
		10580 (Pk)		51.71	68.23	-16.52
		10580 (Av)		40.24	54	-13.76
		15870 (Pk)		54.39	68.23	-13.84
		15870 (Av)		41.48	54	-12.52
		5290 (Pk)	Horizontal	95.95	-	-
		5290 (Av)		82.24	-	-
		5350 (Pk)		55.43	74*	-18.57
		5350 (Av)		41.39	54*	-12.61
		10580 (Pk)		52.61	68.23	-15.62
		10580 (Av)		40.19	54	-13.81
		15870 (Pk)		53.72	68.23	-14.51
		15870 (Av)		41.35	54	-12.65

UNII 2c	5530	5530 (Pk)	Vertical	85.96	-	-
		5530 (Av)		73.09	-	-
		5460 (Pk)		46.75	74*	-27.25
		5460 (Av)		33.47	54*	-20.53
		11060 (Pk)		52.66	68.23	-15.57
		11060 (Av)		40.86	54	-13.14
		16590 (Pk)		54.37	68.23	-13.86
		16590 (Av)		42.94	54	-11.06
		5530 (Pk)	Horizontal	93.97	-	-
		5530 (Av)		81.11	-	-
		5460 (Pk)		53.12	74*	-20.88
		5460 (Av)		40.12	54*	-13.88
		11060 (Pk)		53.26	68.23	-14.97
		11060 (Av)		40.89	54	-13.11
		16590 (Pk)		54.61	68.23	-13.62
		16590 (Av)		42.94	54	-11.06
	5690	5690 (Pk)	Vertical	87.00	-	-
		5690 (Av)		74.08	-	-
		5460 (Pk)		41.67	74*	-32.33
		5460 (Av)		29.52	54*	-24.48
		11380 (Pk)		53.05	68.23	-15.18
		11380 (Av)		41.68	54	-12.32
		17070 (Pk)		56.43	68.23	-11.80
		17070 (Av)		43.55	54	-10.45
		5690 (Pk)	Horizontal	96.67	-	-
		5690 (Av)		83.98	-	-
		5460 (Pk)		44.74	74*	-29.26
		5460 (Av)		32.62	54*	-21.38
		11380 (Pk)		53.54	68.23	-14.69
		11380 (Av)		41.69	54	-12.31
		17070 (Pk)		55.34	68.23	-12.89
		17070 (Av)		43.59	54	-10.41
UNII 3	5775	5775 (Pk)	Vertical	95.60	-	-
		5775 (Av)		82.15	-	-
		11550 (Pk)		54.80	68.23	-13.43
		11550 (Av)		42.48	54	-11.52
		17325 (Pk)		57.22	68.23	-11.01
		17325 (Av)		45.11	54	-8.89
		5775 (Pk)	Horizontal	105.36	-	-
		5775 (Av)		92.14	-	-
		11550 (Pk)		55.03	68.23	-13.20
		11550 (Av)		43.66	54	-10.34
		17325 (Pk)		56.66	68.23	-11.57
		17325 (Av)		45.09	54	-8.91

Modulation: **802.11ax-HE80**
Data rate: **MCS11**

UNII Bands	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII 1	5210	5210 (Pk)	Vertical	88.29	-	-
		5210 (Av)		75.23	-	-
		5150 (Pk)		49.32	74*	-24.68
		5150 (Av)		33.85	54*	-20.15
		10420 (Pk)		51.98	68.23	-16.25
		10420 (Av)		39.69	54	-14.31
		15630 (Pk)		52.67	68.23	-15.56
		15630 (Av)		40.87	54	-13.13
		5210 (Pk)	Horizontal	97.68	-	-
		5210 (Av)		86.21	-	-
		5150 (Pk)		58.78	74*	-15.22
		5150 (Av)		43.05	54*	-10.95
		10420 (Pk)		51.74	68.23	-16.49
		10420 (Av)		39.70	54	-14.30
		15630 (Pk)		53.45	68.23	-14.78
		15630 (Av)		40.88	54	-13.12
UNII 2a	5290	5290 (Pk)	Vertical	88.75	-	-
		5290 (Av)		75.32	-	-
		5350 (Pk)		49.68	74*	-24.32
		5350 (Av)		34.59	54*	-19.41
		10580 (Pk)		52.48	68.23	-15.75
		10580 (Av)		40.20	54	-13.80
		15870 (Pk)		53.63	68.23	-14.60
		15870 (Av)		41.34	54	-12.66
		5290 (Pk)	Horizontal	99.22	-	-
		5290 (Av)		86.03	-	-
		5350 (Pk)		60.31	74*	-13.69
		5350 (Av)		44.39	54*	-9.61
		10580 (Pk)		52.20	68.23	-16.03
		10580 (Av)		40.18	54	-13.82
		15870 (Pk)		53.11	68.23	-15.12
		15870 (Av)		41.33	54	-12.67

UNII 2c	5530	5530 (Pk)	Vertical	81.16	-	-
		5530 (Av)		68.22	-	-
		5460 (Pk)		42.78	74*	-31.22
		5460 (Av)		30.07	54*	-23.93
		11060 (Pk)		52.48	68.23	-15.75
		11060 (Av)		41.06	54	-12.94
		16590 (Pk)		54.57	68.23	-13.66
		16590 (Av)		43.15	54	-10.85
		5530 (Pk)	Horizontal	92.64	-	-
		5530 (Av)		79.08	-	-
		5460 (Pk)		48.41	74*	-25.59
		5460 (Av)		34.30	54*	-19.70
		11060 (Pk)		52.35	68.23	-15.88
		11060 (Av)		41.11	54	-12.89
		16590 (Pk)		54.67	68.23	-13.56
		16590 (Av)		43.11	54	-10.89
	5690	5690 (Pk)	Vertical	82.36	-	-
		5690 (Av)		68.61	-	-
		5460 (Pk)		41.33	74*	-32.67
		5460 (Av)		29.41	54*	-24.59
		11380 (Pk)		54.00	68.23	-14.23
		11380 (Av)		41.76	54	-12.24
		17070 (Pk)		56.06	68.23	-12.17
		17070 (Av)		43.86	54	-10.14
		5690 (Pk)	Horizontal	92.12	-	-
		5690 (Av)		78.58	-	-
		5460 (Pk)		43.59	74*	-30.41
		5460 (Av)		31.28	54*	-22.72
		11380 (Pk)		53.12	68.23	-15.11
		11380 (Av)		41.72	54	-12.28
		17070 (Pk)		56.05	68.23	-12.18
		17070 (Av)		43.84	54	-10.16
UNII 3	5775	5775 (Pk)	Vertical	90.16	-	-
		5775 (Av)		75.73	-	-
		11550 (Pk)		54.56	68.23	-13.67
		11550 (Av)		42.35	54	-11.65
		17325 (Pk)		56.43	68.23	-11.80
		17325 (Av)		44.74	54	-9.26
		5775 (Pk)	Horizontal	99.63	-	-
		5775 (Av)		85.66	-	-
		11550 (Pk)		54.17	68.23	-14.06
		11550 (Av)		42.45	54	-11.55
		17325 (Pk)		57.64	68.23	-10.59
		17325 (Av)		44.74	54	-9.26

7.6 FREQUENCY STABILITY

Result ***Pass***

Test Specification	FCC part 15 Subpart C 15.407 (g) / RSS Gen Issue 5, Section 8.11
Test Method	Subclause 6.8.1 of ANSI C63.10
Port of testing	Antenna port
Requirement	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual

Test Method:

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 12VDC through AC-DC Adapter Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section 3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test results:

Channel Bandwidth (MHz)	Channel Frequency (MHz)	Temperature (°C)	Frequency deviation for different time interval (MHz)				Limit
			0Min	2Min	5Min	10Min	
20	5180	5	-1.34	-0.78	-1.04	-0.91	Emission drift measured are maintained within the authorised band
	5240		-1.34	-1.04	-0.95	-1.43	
	5260		-0.91	-1.43	-0.91	-1.30	
	5320		-1.56	-1.43	-0.95	-1.56	
	5500		-1.43	-0.91	-1.04	-1.56	
	5700		-0.78	-1.17	-1.43	-0.91	
	5720		-1.34	-1.38	-0.95	-0.78	
	5745		-0.95	-1.69	-1.60	-1.30	
	5825		-1.04	-1.43	-1.08	-0.82	
	5180	10	-0.78	-1.04	-0.78	-1.08	
	5240		-0.78	-0.82	-0.91	-2.51	
	5260		-1.38	-0.78	-0.69	-0.91	
	5320		-0.78	-1.38	-1.56	-1.30	
	5500		-0.78	-1.38	-0.95	-0.78	
	5700		-0.91	-2.17	-1.43	-0.69	
	5720		-1.56	-2.17	-0.78	-1.38	
	5745		-1.17	-1.38	-0.91	-1.38	
	5825		-1.56	-0.78	-2.17	-0.91	
	5180	15	-0.73	-0.91	-1.56	-0.69	
	5240		-1.65	-0.91	-1.56	-2.17	
	5260		-2.17	-1.43	-1.34	-1.52	
	5320		-0.78	-2.17	-0.78	-0.69	
	5500		-1.56	-0.91	-2.12	-0.78	
	5700		-1.56	-1.43	-2.04	-0.91	
	5720		-1.38	2.22	7.35	2.83	
	5745		-1.38	-1.43	-0.91	-0.91	
	5825		-0.91	-1.25	-1.04	-1.38	

Channel Bandwidth (MHz)	Channel Frequency (MHz)	Temperature (°C)	Frequency deviation for different time interval (MHz)				Limit
			0Min	2Min	5Min	10Min	
20	5180	20	2.21	-1.15	1.61	1.63	Emission drift measured are maintained within the authorised band
	5240		1.78	2.87	2.78	-1.60	
	5260		-0.86	-2.12	-2.12	-1.52	
	5320		1.61	-0.78	0.79	1.13	
	5500		-0.78	3.48	-0.91	-1.34	
	5700		2.22	-0.91	-1.38	-0.90	
	5720		1.61	-1.60	-1.99	-2.12	
	5745		-1.38	-1.39	-1.34	-0.86	
	5825		-1.60	-0.73	2.22	-1.34	
	5180	25	1.61	-2.17	0.83	0.83	
	5240		-1.52	-1.52	-0.86	-1.38	
	5260		-0.86	1.61	0.96	0.96	
	5320		1.61	-2.12	-2.12	1.61	
	5500		-0.86	-0.09	-1.78	2.26	
	5700		2.26	2.26	-1.21	-1.99	
	5720		2.22	-1.34	-0.73	-0.73	
	5745		1.00	-0.73	-1.30	-1.52	
	5825		-0.91	-1.47	-1.04	-1.38	
	5180	30	-0.09	0.99	1.19	-7.87	
	5240		2.35	-1.52	0.96	-0.99	
	5260		-0.73	0.83	1.61	-1.43	
	5320		0.83	0.70	-1.38	1.13	
	5500		-0.73	-1.38	1.85	1.87	
	5700		1.61	-0.73	-0.99	-1.99	
	5720		-1.34	-1.34	-1.99	-0.86	
	5745		-2.73	-1.34	-0.99	-1.99	
	5825		-2.17	-2.12	-0.86	-0.78	

Channel Bandwidth (MHz)	**Channel Frequency (MHz)**	**Temperature (°C)**	**Frequency deviation for different time interval (MHz)**				**Limit**
			0Min	**2Min**	**5Min**	**10Min**	
20	5180	35	-0.91	-0.91	-1.38	-1.38	Emission drift measured are maintained within the authorised band
	5240		-0.89	-0.91	-0.91	-0.91	
	5260		-0.73	-0.86	-0.86	-0.91	
	5320		-2.12	-2.12	-1.34	-2.12	
	5500		-0.65	-0.86	-0.91	-0.91	
	5700		-1.34	-0.91	-2.12	-2.12	
	5720		-1.99	-0.86	-0.91	-1.38	
	5745		-1.47	-1.38	-1.34	-2.12	
	5825		-1.65	-1.34	-1.34	-1.34	
	5180	40	-0.86	-1.38	-1.38	-1.38	
	5240		-1.12	-1.52	-1.52	-1.52	
	5260		-0.73	-1.38	-2.12	-0.91	
	5320		-2.60	-2.12	-2.12	-2.12	
	5500		-0.65	-0.73	-0.73	-0.99	
	5700		-1.34	-0.78	-1.38	-2.12	
	5720		-0.78	-1.38	-0.86	-1.34	
	5745		-2.12	-1.30	-2.17	-0.86	
	5825		-0.86	-0.91	-0.69	-0.86	

7.7 CONDUCTED SPURIOUS EMISSION TEST ON AC POWER LINE

Result ***Pass***

Test Specification	:	FCC Part 15 Section 15.207
Test Method	:	ANSI C 63.10-2013
Testing Location	:	Screened room
Measurement Bandwidth	:	9kHz
Frequency Range	:	150kHz – 30MHz
Supply Voltage	:	110VAC,60Hz
Test Method	:	Refer TEST METHODOLOGY

Limits of section 15.207

Frequency of emission (MHz)	**Conducted limit (dBµV)**	
	Quasi-peak (dBµV)	**Average (dBµV)**
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

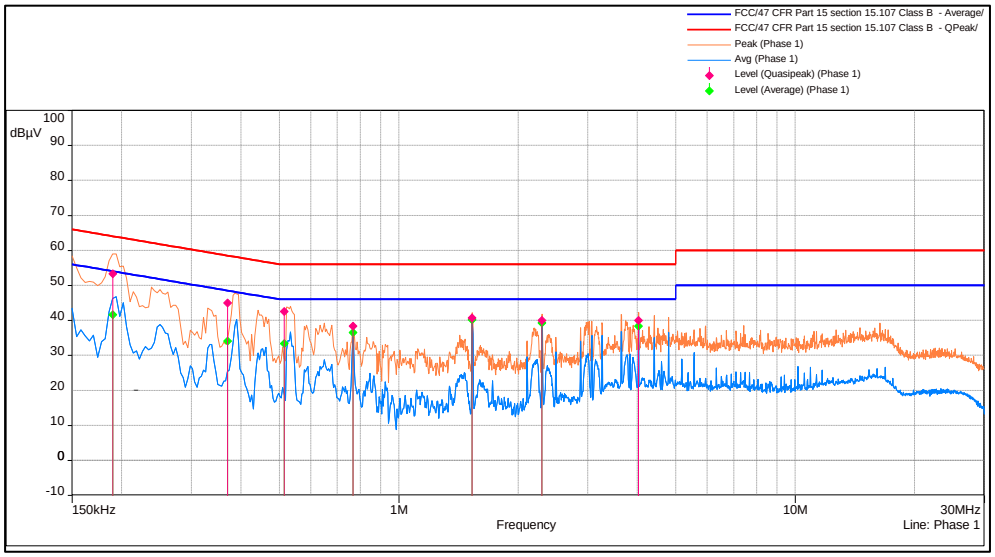
* Decreases with the logarithm of the frequency

Test Conditions:

Normal Temperature = +24°C Voltage (V norm) = 110V AC (Through AC to DC Adapter) RH = 64 %

Test results:

110VAC-60Hz-Line



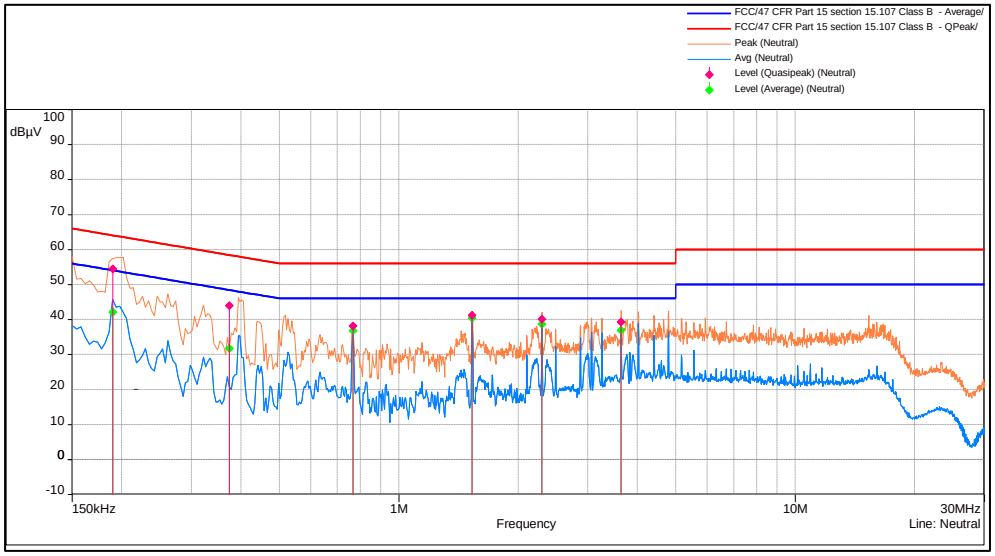
Quasi Peak:

Frequency (MHz)	Correction (dB)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Comments
0.1896	19.88	53.39	64.04	-10.64	Pass
0.36935	19.87	45.03	58.5	-13.47	Pass
0.5151	19.9	42.52	56	-13.48	Pass
1.5304	20.04	40.72	56	-15.28	Pass
2.2948	20.03	40.04	56	-15.96	Pass
4.01745	20.02	40.03	56	-15.97	Pass
0.7651	19.93	38.43	56	-17.57	Pass

Average:

Frequency (MHz)	Correction (dB)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Comments
1.5304	20.04	40.17	46	-5.83	Pass
2.2948	20.03	39.33	46	-6.67	Pass
4.01745	20.02	38.36	46	-7.64	Pass
0.7651	19.93	36.59	46	-9.41	Pass
0.1896	19.88	41.69	54.04	-12.35	Pass
0.5151	19.9	33.38	46	-12.62	Pass
0.36935	19.87	34.14	48.5	-14.36	Pass

110VAC-60Hz-Neutral:



Quasi Peak:

Frequency (MHz)	Correction (dB)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Comments
0.19185	19.83	54.48	64.04	-9.56	Pass
0.37555	19.76	43.96	58.41	-14.45	Pass
1.5304	19.88	41.24	56	-14.76	Pass
2.2935	19.86	40.1	56	-15.9	Pass
3.6348	19.85	39.29	56	-16.71	Pass
0.7651	19.79	38.23	56	-17.77	Pass

Average:

Frequency (MHz)	Correction (dB)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Comments
1.5304	19.88	40.46	46	-5.54	Pass
2.2935	19.86	38.73	46	-7.27	Pass
3.6348	19.85	36.93	46	-9.07	Pass
0.7651	19.79	36.87	46	-9.13	Pass
0.19185	19.83	42.15	54.04	-11.89	Pass
0.37555	19.76	31.74	48.41	-16.67	Pass

8 LIST OF TABLES

9 POWER LEVEL USED FOR TESTING

a-mode 6Mbps	
5180	10
5240	10
5260	12
5320	12
5500	9
5700	9
5745	13
5825	13
a-mode 54Mbps	
5180	9
5240	9
5260	12
5320	12
5500	8
5700	8
5745	13
5825	13
ac-mode VHT20_MCS0	
5180	10
5240	10
5260	12
5320	12
5500	9
5700	9
5745	13
5825	13
ac-mode VHT20_MCS8	
5180	10
5240	10
5260	12
5320	12
5500	9
5700	9
5745	12
5825	12

n-mode HT20_MCS0	
5180	10
5240	10
5260	12
5320	12
5500	5
5700	5
5745	13
5825	13
n-mode HT20_MCS7	
5180	10
5240	10
5260	12
5320	12
5500	7
5700	7
5745	14
5825	14
n-mode HT40_MCS0	
5190	10
5230	10
5270	12
5510	12
5590	9
5670	9
5755	12
5795	12
n-mode HT40_MCS7	
5190	10
5230	10
5270	12
5510	12
5590	12
5670	12
5755	12
5795	12

ac-mode VHT40_MCS0	
5190	10
5230	10
5270	11
5510	11
5590	8
5670	8
5755	12
5795	12
ac-mode VHT40_MCS9	
5190	9
5230	9
5270	11
5510	11
5590	6
5670	6
5755	10
5795	10
ac_VHT80_MCS0	
5210	8
5290	8
5530	8
5690	8
5755	15
ac_VHT80_MCS9	
5210	7
5290	7
5530	7
5690	7
5755	10

ax-mode HE20_HE0	
5180	10
5240	10
5320	13
5500	8
5600	8
5700	8
5745	13
5825	13
ax-mode HE20_HE11	
5180	9
5240	9
5320	10
5500	7
5600	7
5700	7
5745	10
5825	10

ax-mode HE40_HE0	
5190	9
5230	9
5270	11
5510	9
5590	9
5670	9
5755	12
5795	12
ax-mode HE40_HE11	
5190	9
5230	9
5270	9
5510	6
5590	6
5670	6
5755	8
5795	8

ax-mode HE80_HE0	
5190	8
5230	8
5270	8
5510	8
5590	8
5670	8
5755	13
5795	13
ax-mode HE80_HE11	
5190	8
5230	8
5270	8
5510	8
5590	8
5670	8
5755	9
5795	9

*****END OF TEST REPORT*****