

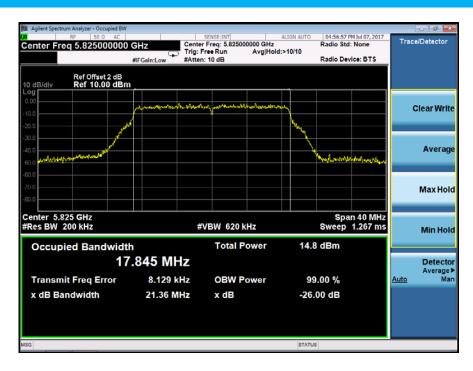
Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11n(VHT20) mode 5785 Frequency(MHz) Ant1



UNII Band III Emission Bandwidth&99% Occupied Bandwidth Test Model 802.11n(VHT20) mode Frequency(MHz)

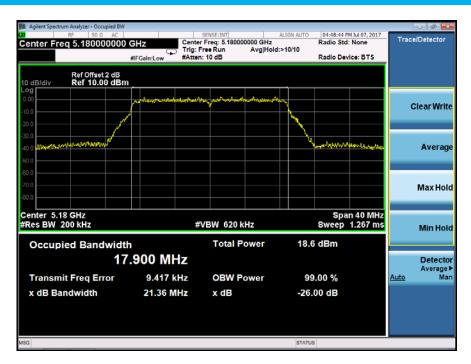
5825

Ant1





Emission Bandwidth&99% Occupied Bandwidth **UNII Band I** Test Model 802.11ac(VHT20) mode Frequency(MHz) 5180 Ant1



Emission Bandwidth&99% Occupied Bandwidth UNII Band I Test Model 802.11ac(VHT20) mode Frequency(MHz)

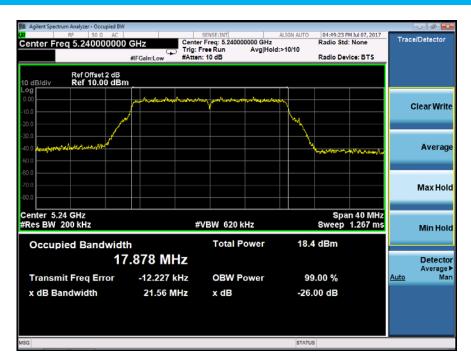
5200

Ant1



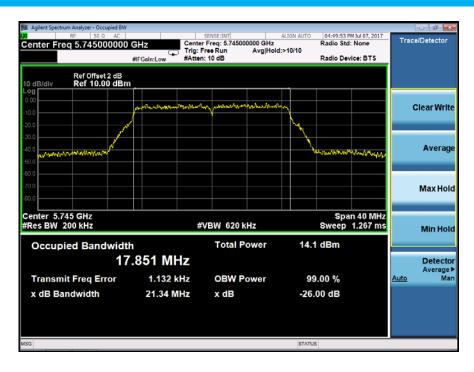


Emission Bandwidth&99% Occupied Bandwidth **UNII Band I** Test Model 802.11ac(VHT20) mode Frequency(MHz) 5240 Ant1



Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11ac(VHT20) mode Frequency(MHz) Ant1

5745

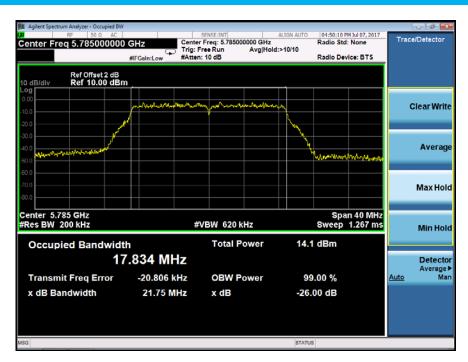




 Emission Bandwidth&99% Occupied Bandwidth
 UNII Band III

 Test Model
 802.11ac(VHT20) mode
 Frequency(MHz)
 5785

 Ant1
 5785
 5785



Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11ac(VHT20) mode Frequency(MHz) Ant1 Image: Constraint of the second seco

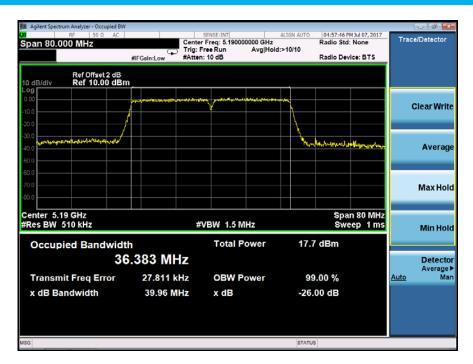
5825

📕 Agilent Spectru
1)
Center Fre
10 dB/div





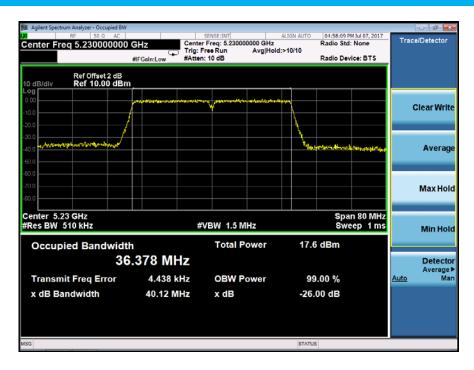
Emission Bandwidth&99% Occupied Bandwidth **UNII Band I** Test Model 802.11n(VHT40) mode 5190 Frequency(MHz) Ant1



Emission Bandwidth&99% Occupied Bandwidth UNII Band I Test Model 802.11n(VHT40) mode Frequency(MHz)

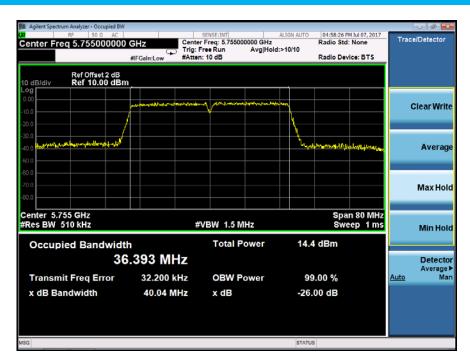
5230

Ant1





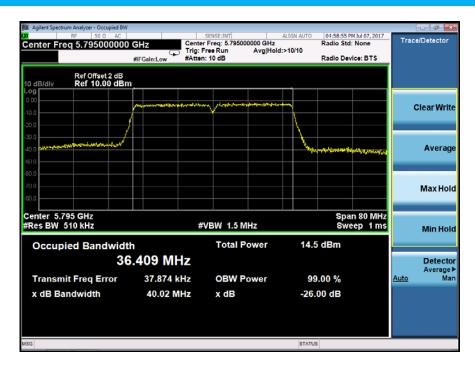
Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11n(VHT40) mode Frequency(MHz) 5755 Ant1



Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11n(VHT40) mode Frequency(MHz) Ant1

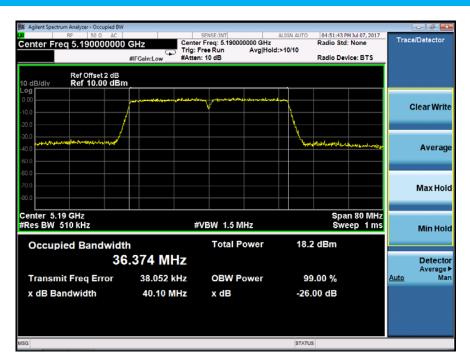
5795

Anti





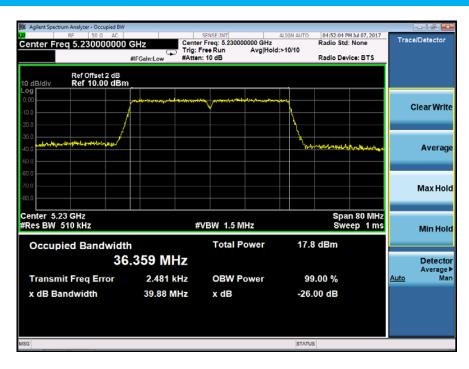
Emission Bandwidth&99% Occupied Bandwidth **UNII Band I** Test Model 802.11ac(VHT40) mode 5190 Frequency(MHz) Ant1



Emission Bandwidth&99% Occupied Bandwidth **UNII Band I** Test Model 802.11ac(VHT40) mode Frequency(MHz)

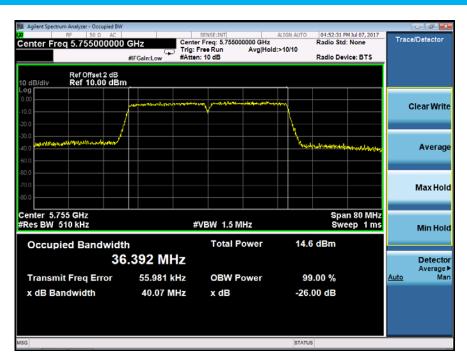
5230

Ant1





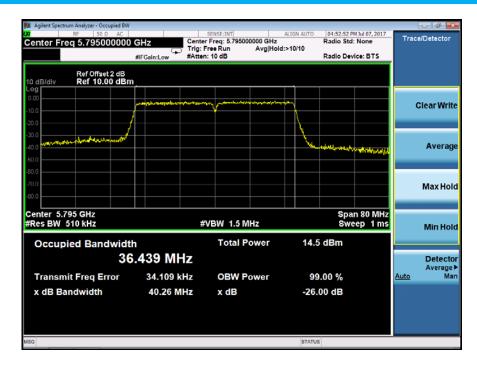
Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11ac(VHT40) mode Frequency(MHz) 5755 Ant1



Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11ac(VHT40) mode Frequency(MHz)

5795

Ant1





 Emission Bandwidth&99% Occupied Bandwidth
 UNII Band I

 Test Model
 802.11ac(VHT80) mode
 Frequency(MHz)
 5210

 Ant1
 5210
 5210



Emission Bandwidth&99% Occupied Bandwidth UNII Band III Test Model 802.11ac(VHT80) mode Frequency(MHz) Ant1

5775

Agilent Spectrum Ani											- 6 - 8
Center Freq 5.775000000 GHz #FGain		GHz #IFGain:Low	Center Trig: Fi	SENSE:INT ALIGN AUTO Center Freq: 5.775000000 GHz Trig: Free Run Avg Hoid:>10/10 #Atten: 10 dB Auto Auto			Ra	dio Std	M Jul 07, 2017 : None /ice: BTS	Trace/Detector	
0 dB/div R	ef Offset 2 dB ef 10.00 dBn	n									
0.00		mainternation	in contractor	Y	thata an	~					Clear Write
20.0 20.0 40.0 <mark>"""კეკი ჰიქ-რ/უ-აა</mark> იკ	nor many set						-	palluna	ip nosiontary physics		Average
50.0 70.0 90.0											Max Hold
Center 5.775 C Res BW 1 M			#\	ивки з мн	z				n 160 MHz eep 1 ms		Min Hold
Occupied		th 5.901 M	Hz	Total P	ower	1	3.3 dE	Зm			Detector
Transmit F		159.38		OBW P	ower		99.00) %		<u>Auto</u>	Average Mar
x dB Bandv	vidth	81.82	MHz	x dB		-;	26.00	dB			
SG						ST	ATUS				





OBW Power

x dB

99.00 %

-6.00 dB

STATUS



Transmit Freq Error

x dB Bandwidth

-11.410 kHz

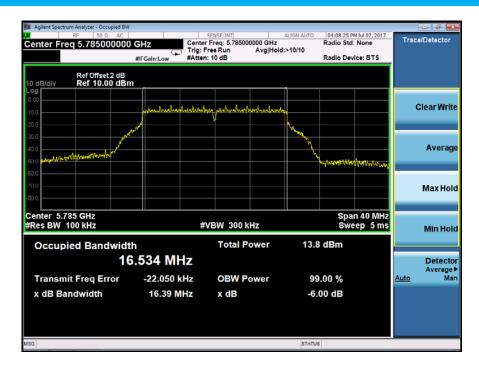
16.37 MHz

UNII Band III Frequency(MHz)

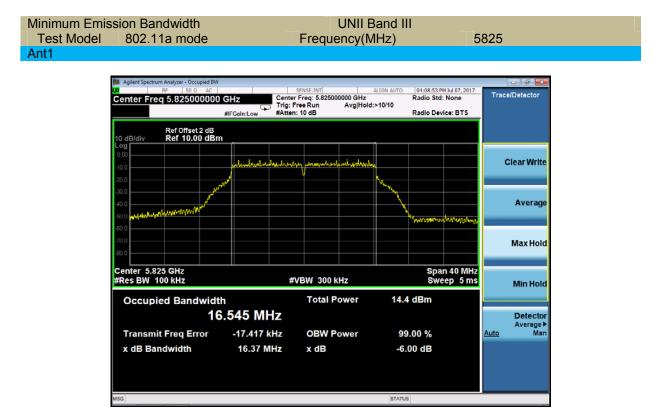
5785

Auto

Ant1

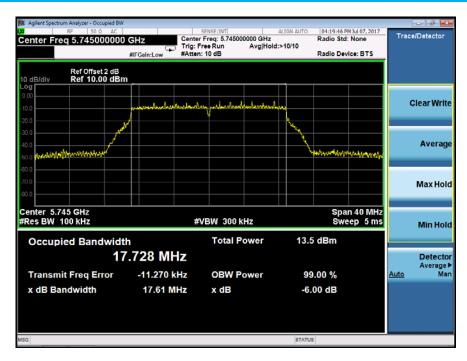




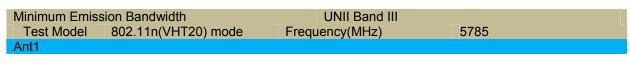


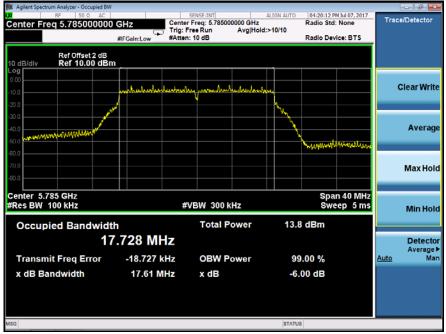
Minimum Emission Bandwidth Test Model 802.11n(VHT20) mode Ant1 UNII Band III Frequency(MHz)

5745









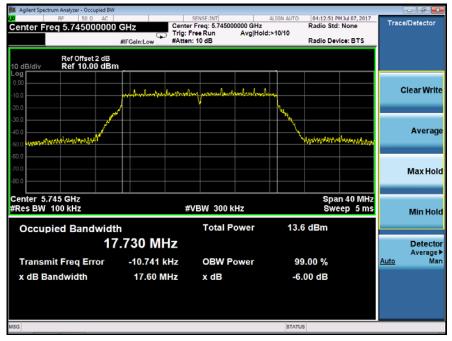
Minimum Emission Bandwidth Test Model 802.11n(VHT20) mode Ant1 UNII Band III Frequency(MHz)

5825

Center Freq: 5.82500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 10 dB 04:20:35 PMJul 07, 2017 Radio Std: None Trace/Detector Center Freq 5.825000000 GHz Ð #IEGain:Low Radio Device: BTS Ref Offset 2 dB Ref 10.00 dBm 0 dB/di . . 1.1 **Clear Write** Average nda (ky) Max Hold Span 40 MHz Sweep 5 ms Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Min Hold Total Power 14.8 dBm **Occupied Bandwidth** 17.718 MHz Detector Average ► Man -7.665 kHz Transmit Freq Error **OBW Power** 99.00 % Auto 17.61 MHz x dB Bandwidth x dB -6.00 dB STATUS



Test Model 802.11ac(VHT20) mode Frequency(MHz) 5745	Minimum Emis	sion Bandwidth	UNII Band III		
Apt1	Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5745	
	Ant1				

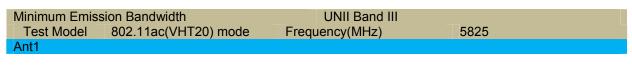


Minimum Emission Bandwidth Test Model 802.11ac(VHT20) mode Ant1 UNII Band III Frequency(MHz)

5785

Center Freq: 5.785000000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 10 dB 04:13:21 PMJul 07, 2017 Radio Std: None Trace/Detector Center Freq 5.785000000 GHz Ð #IFGain:Low Radio Device: BTS Ref Offset 2 dB Ref 10.00 dBm 0 dB/di **Clear Write** . Jundarska Average Max Hold Span 40 MHz Sweep 5 ms Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Min Hold Total Power 13.9 dBm **Occupied Bandwidth** 17.741 MHz Detector Average ► Man -22.300 kHz Transmit Freq Error **OBW Power** 99.00 % Auto 17.60 MHz x dB Bandwidth x dB -6.00 dB STATUS







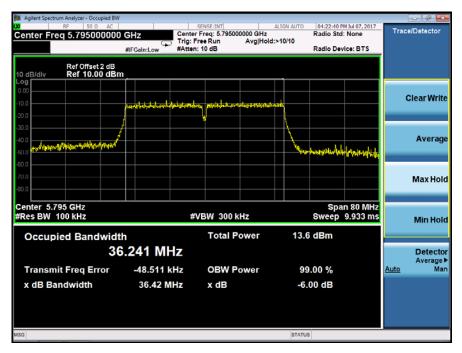
Minimum Emission Bandwidth Test Model 802.11n(VHT40) mode Ant1 UNII Band III Frequency(MHz)

5755

SENSE:INT ALIGN AUTO Center Freq: 5.755000000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 10 dB 04:22:11 PMJul 07, 2017 Radio Std: None Trace/Detector Center Freq 5.755000000 GHz Ð #IEGain:Low Radio Device: BTS Ref Offset 2 dB Ref 10.00 dBm 0 dB/di **Clear Write** Average stanleride A . مايوليول Max Hold Center 5.755 GHz #Res BW 100 kHz Span 80 MHz Sweep 9.933 ms #VBW 300 kHz Min Hold Total Power 14.3 dBm **Occupied Bandwidth** 36.211 MHz Detector Average ► Man -36.439 kHz Transmit Freq Error **OBW Power** 99.00 % Auto 36.39 MHz x dB Bandwidth x dB -6.00 dB STATUS



Minimum Emis	sion Bandwidth	UNII Band III		
Test Model	802.11n(VHT40) mode	Frequency(MHz)	5795	
Ant1				



Minimum Emission Bandwidth UNII Band III Test Model 802.11ac(VHT40) mode Frequency(MHz) 5755 Ant1

M Agilent Spectrum Analyzer - Occupied B	3W				
Center Freq 5.75500000	00 GHz Cer	SENSE:INT hter Freq: 5.755000000 GHz g: Free Run Avg Ho ten: 10 dB			Trace/Detector
Ref Offset 2 dE 10 dB/div Ref 10.00 dE Log	3 3m				
-10.0	philadioit & Indespect on the Austra	sekan yantakatatan danakata	dupak		Clear Write
-30.0 -40.0 -60.0			way-workdown-wit	Bilingeryaryated.	Average
-60.0					Max Hold
Center 5.755 GHz #Res BW 100 kHz		#VBW 300 kHz	Sweep	n 80 MHz 9.933 ms	Min Hold
Occupied Bandwig	36.174 MHz	Total Power	14.6 dBm	i	Detector Average▶
Transmit Freq Error	-42.012 kHz	OBW Power	99.00 %		<u>Auto</u> Man
x dB Bandwidth	36.34 MHz	x dB	-6.00 dB		
MSG			STATUS		



Minimum Emis	sion Bandwidth	UNII Band III		
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5795	
Ant1				



Minimum Emis	sion Bandwidth	UNII Band III		
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5775	
Ant1				

M Agilent Spectrum Analyzer - Occupied BW				- 0 -	
Center Freq 5.775000000	GHz Center	Freq: 5.775000000 GHz	ALIGN AUTO 04:17:29 PM Jul (Radio Std: Nor		
	#IFGain:Low #Atten:		:>10/10 Radio Device: I	втя	
Ref Offset 2 dB 10 dB/div Ref 10.00 dBn	ŋ				
10.0				Clear Write	
-20.0	الم				
-30.0				Average	
-60.0					
-70.0				Max Hold	
Center 5.775 GHz #Res BW 100 kHz	#\/	BW 300 kHz	Span 160 Sweep 19	0 mag	
				No IIIS Min Hold	
Occupied Bandwidt		Total Power	12.7 dBm		
	5.610 MHz			Detector Average	
Transmit Freq Error	46.405 kHz	OBW Power	99.00 %	Auto Man	
x dB Bandwidth	76.15 MHz	x dB	-6.00 dB		
MSG			STATUS		



8.2 MAXIMUM CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C According to FCC Part 15.407(a)(3) for UNII Band III According to 789033 D02 Section II(E)

8.2.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(a) (1) (iv) For mobile and portable 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 (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands
- (a) (2) 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. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the band 5.725-5.85 GHz

(a) (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 (30dBm). In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2.3 Test Configuration

Test according to clause 6.1 radio frequency test setup



8.2.4 Test Procedure

The maximum average conducted output power can be measured using Method PM-G (Measurement using a gated RF average power meter):

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

- a. The Transmitter output (antenna port) was connected to the power meter.
- b. Turn on the EUT and power meter and then record the power value.
- c. Repeat above procedures on all channels needed to be tested.



8.2.5 Test Results

-			🛛 802.11a m	node		07 0047		
Temperature			Test Date :			07, 2017		
Humidity :	65 %		Test By:		King	g Kong		
Band	Channel	Channel Channel Conducted Output Power(dBm)		ver(dBm)	Limit	Verdict		
	Number	Freq. (MHz)	Ant0			Ant1	(dBm)	Veruici
UNII	CH36	5180	13.81			13.80	24	Pass
Band I	CH40	5200	13.57			13.89	24	Pass
Danu i	CH48	5240	13.71			13.70	24	Pass
UNII	CH149	5745	9.35			9.51	30	Pass
Band III	CH157	5785	9.62			9.40	30	Pass
Danu III	CH165	5825	10.14			9.91	30	Pass
N/A (Not Applicable)								
Temperature			Test Date :		-	07, 2017		
Humidity :	65 %		Test By:		King	g Kong		
Band	Channel	Channel	Conducted Output Power(dBm)			Limit	Vardiat	
	Number	Freq. (MHz)	Ant0	An	t1	Ant0+1	(dBm)	Verdict
UNII	CH36	5180	13.71	13.	58	16.66	24	Pass
Band I	CH40	5200	13.69	13.	65	16.68	24	Pass
Danu i	CH48	5240	13.67	13.	71	16.70	24	Pass
UNII	CH149	5745	9.45	9.2	28	12.38	30	Pass
Band III	CH157	5785	9.42	9.2	24	12.34	30	Pass
	CH165	5825	9.91	9.7	77	12.85	30	Pass
Note: N/A (Not Ap	plicable)							

		8 🛛	02.11ac(VHT				
Temperature	: 28 ℃		Test Date :	July	07, 2017		
Humidity :	65 %		Test By:	King	g Kong		
Band	Band Channel Channel Conducted Output Power(dBm)						Verdict
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	(dBm)	verdict
UNII	CH36	5180	13.83	13.68	16.77	24	Pass
Band I	CH40	5200	13.78	13.54	16.67	24	Pass
Danu I	CH48	5240	13.52	13.68	16.61	24	Pass
UNII	CH149	5745	9.39	9.37	12.39	30	Pass
Band III	CH157	5785	9.44	9.23	12.35	30	Pass
Danu III	CH165	5825	9.92	9.83	12.89	30	Pass
Note: N/A (Not Ap	plicable)						



Temperature Humidity :	e:28℃ 65 %	2 8	302.11n(VHT Test Date : Test By:	July	[,] 07, 2017 g Kong		
Band	Channel	el Channel Conducted Output Power(dBm)					Verdict
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	(dBm)	veruici
UNII	CH38	5190	13.02	13.02	16.03	24	Pass
Band I	CH46	5230	12.87	12.81	15.85	24	Pass
UNII	CH151	5670	9.61	9.39	12.51	30	Pass
Band III	CH159	5795	10.03	9.86	12.96	30	Pass
Note: N/A (Not Ap	plicable)						

		8 🖂	02.11ac(VHT	· ·			
Temperature : 28℃			Test Date :	July	07, 2017		
Humidity :	65 %		Test By:	King	g Kong		
Band	Channel	ver(dBm)	Limit	Verdict			
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	(MHz)	verdict
UNII	CH38	5190	12.99	12.88	15.95	24	Pass
Band I	CH46	5230	13.17	12.91	16.05	24	Pass
UNII	CH151	5670	9.55	9.34	12.46	30	Pass
Band III	CH159	5795	10.05	9.84	12.96	30	Pass
Note:							
N/A (Not Ap	plicable)						

Temperature Humidity :	:28℃ 65 %	8 🛛	02.11ac(VHT Test Date : Test By:	July	07, 2017 g Kong		
Band	Channel	Channel	Conducte	ed Output Pov	ver(dBm)	Limit	Verdict
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	(dBm)	Veruici
UNII Band I	CH42	5210	12.23	12.15	15.20	24	Pass
UNII Band III	CH155	5775	8.88	8.93	11.92	30	Pass
Note: N/A (Not Ap	plicable)						



Duty Cycle:100%

📕 Agilent Spec	ctrum Analyzer - Swept SA					
Center F	RF 50 Ω AC req 5.180000000	PNO: Fast	SENSE:INT	ALIGN A Avg Type: Log-		Frequency
10 dB/div	Ref Offset 1 dB Ref 10.00 dBm	IFGain:Low	Atten: 20 dB		DET PENNEN	Auto Tune
0.00						Center Free 5.180000000 GH
-10.0						Start Free 5.180000000 GH
-30.0						Stop Fre 5.180000000 GH
-50.0						CF Ste 1.000000 MH <u>Auto</u> Ma
-70.0						Freq Offse 0 ⊢
	180000000 GHz				Span 0 Hz	
Res BW 1	.0 MHz	#VBW	3.0 MHz		50.000 ms (1001 pts)	



8.3 MAXIMUM PEAK POWER DENSITY

8.3.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C According to FCC Part 15.407(a)(3) for UNII Band III According to 789033 D02 Section II(F)

8.3.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(a) (1) (iv) For mobile and portable 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 provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(b) (2) 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. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the band 5.725-5.85 GHz

(a) (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. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.3.4 Test Procedure

Methods refer to FCC KDB 789033

TRF No.: FCC 15.407/A



1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...".

2) Use the peak search function on the instrument to find the peak of the spectrum.

3) The result is the PPSD.

4) The above procedures make use of 500kHz resolution bandwidth to satisfy the 500kHz measurement bandwidth specified in the 15.407(a)(5). That rule section also permits use of resolution bandwidths less than 1 MHz "provided that the measured power is integrated to show the total power over the measurement bandwidth" (i.e., 1 MHz). If measurements are performed using a reduced resolution bandwidth and integrated over 500kHz bandwidth

Note: As a practical matter, it is recommended to use reduced RBW of 500 kHz for the sections 5.c) and 5.d) above, since RBW=500 kHz is available on nearly all spectrum analyzers.



8.3.5 Test Results

Temperature Humidity :	e:28℃ 65 %		☑ 802.11a Test Date Test By:		Feb. 27 King Ko				
Band	Channel Number	Channel Freq. (MHz)	Power S Ant0		ensity nt1	Limit	Verdict		
UNII	CH36	5180	2.94	1	.46	≤11dBm/1MHz	Pass		
Band I	CH40	5200	1.81	1	.94	≤11dBm/1MHz	Pass		
Dariu I	CH48	5240	1.10	1	.09	≤11dBm/1MHz	Pass		
	CH149	5745	-4.96	-4	1.77	≤30dBm/1MHz	Pass		
UNII Band III	CH157	5785	-4.75	-3	3.68	≤30dBm/1MHz	Pass		
Danu III	CH165	5825	-3.94	-4	1.00	≤30dBm/1MHz	Pass		
Note: N/A (Not Ap	plicable)								
Temperature Humidity :	e: 28℃ 65 %	8	302.11n(VH Test Date Test By:		le Feb. 27 King Ko				
				0 1 1					
Band	Channel	Channel		Spectral		Limit	Verdict		
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1		Deee		
UNII	CH36	5180	2.18	2.36	5.28	≤11dBm/1MHz	Pass		
Band I	CH40	5200	2.20	2.19	5.21	≤11dBm/1MHz	Pass		
	CH48	5240	1.98	1.80	4.90	≤11dBm/1MHz	Pass		
UNII	CH149	5745	-4.98	-6.23	-2.55	≤30dBm/1MHz	Pass		
Band III	CH157	5785	-5.04	-5.36	-2.19	≤30dBm/1MHz	Pass		
Darie m CH165 5825 -4.20 -4.33 -1.25 ≤30dBm/1MHz Pass Note: N/A (Not Applicable) -4.33 -1.25 ≤30dBm/1MHz Pass									
		8 🕅	02.11ac(VH	T20) mo	de				
Temperature	: 28 ℃		Test Date		Feb. 27	2018			
Humidity :	65 %		Test By:		King Ko				
Band	Channel Number	Channel Freg. (MHz)	Power Ant0	Spectral Ant1	Density Ant0+1	Limit	Verdict		

Band	Channel	Channel	Power Spectral Density			Limit	Verdict		
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	LIIIII	veruici		
UNII	CH36	5180	1.02	1.31	4.18	≤11dBm/1MHz	Pass		
Band I	CH40	5200	1.49	1.64	4.58	≤11dBm/1MHz	Pass		
Danu I	CH48	5240	1.24	0.32	3.81	≤11dBm/1MHz	Pass		
UNII	CH149	5745	-5.25	-4.95	-2.09	≤30dBm/1MHz	Pass		
Band III	CH157	5785	-5.12	-5.05	-2.07	≤30dBm/1MHz	Pass		
Danu III	CH165	5825	-4.78	-5.03	-1.89	≤30dBm/1MHz	Pass		
Note:									
N/A (Not Ap	N/A (Not Applicable)								



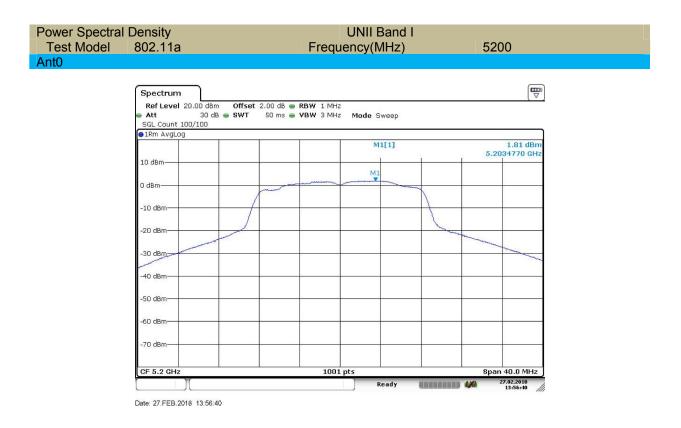
⊠ 802.11n(VHT40) mode										
Temperature	: 28 ℃		Test Date	e :	Feb. 27, 2	2018				
Humidity :	65 %		Test By:		King Kon	g				
Band	Channel	Channel	Power	Spectral D	Density	Limit	Verdict			
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	LIIIII	veruici			
UNII	CH38	5190	-1.58	-1.62	1.410	≤11dBm/1MHz	Pass			
Band I	CH46	5230	-2.52	-2.93	0.290	≤11dBm/1MHz	Pass			
UNII	CH151	5670	-7.96	-7.43	-4.677	≤30dBm/1MHz	Pass			
Band III	CH159	5795	-7.08	-6.77	-3.912	≤30dBm/1MHz	Pass			
Note:										
N/A (Not Ap	plicable)									

☑ 802.11ac(VHT40) mode										
Temperature	e: 28 ℃		Test Date	e :	Feb. 27, 2	Feb. 27, 2018				
Humidity :	65 %		Test By:		King Kon	g				
Band	Channel	Channel	Power	Spectral E	Density	Limit	Verdict			
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1	LIIIII	veruici			
UNII	CH38	5190	-2.29	-1.41	1.183	≤11dBm/1MHz	Pass			
Band I	CH46	5230	-2.18	-2.69	0.583	≤11dBm/1MHz	Pass			
UNII	CH151	5670	-8.95	-8.35	-5.629	≤30dBm/1MHz	Pass			
Band III	CH159	5795	-7.8	-7.79	-4.785	≤30dBm/1MHz	Pass			
Note:	Note:									
N/A (Not Ap	N/A (Not Applicable)									

☑ 802.11ac(VHT80) mode									
Temperature	: 28 ℃		Test Date	e :	Feb. 27, 2	Feb. 27, 2018			
Humidity :	65 %		Test By:		King Kon	g			
Band	Channel	Channel	Power	Spectral D	ensity	Limit	Verdict		
	Number	Freq. (MHz)	Ant0	Ant1	Ant0+1		veruici		
UNII Band I	CH42	5210	-6.88	-7.38	-4.113	≤11dBm/1MHz	Pass		
UNII Band III	CH155	5775	-10.74	-11.34	-8.019	≤30dBm/1MHz	Pass		
Note: N/A (Not Ap									

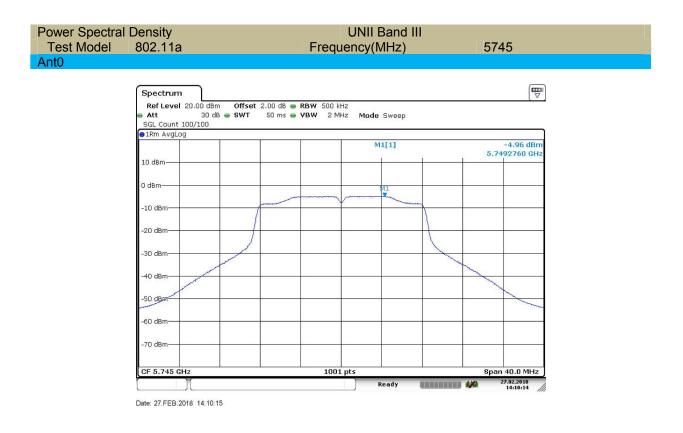
















Power Spectral E Test Model <mark>Ant0</mark>	0ensity 802.11a	T	UN Frequenc	III Band y(MHz)	III	582	25
	Spectrum Ref Level 20.00 dBm 0 Att 30 dB 5 SGL Count 100/100	Offset 2.00 dB 🖷 RI SWT 50 ms 🖷 VI		lode Sweep			
	●1Rm AvgLog						
	10 dBm			M1[1]	-	5.82	-3.94 dBm 284370 GHz
	0 dBm			MI		-	
	-10 dBm						
	-20 dBm					-	
	-40 dBm				~	And a	
	-50-d8m						
	-60 dBm						
	-70 dBm		1001				
	CF 5.825 GHz		1001 pts	Ready			1 40.0 MHz 27.02.2018 14:13:44









Date: 27.FEB.2018 14:17:42





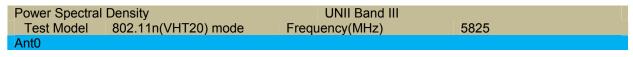


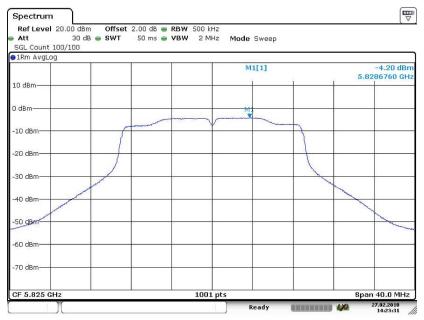


Date: 27.FEB.2018 14:21:22





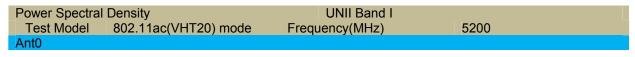


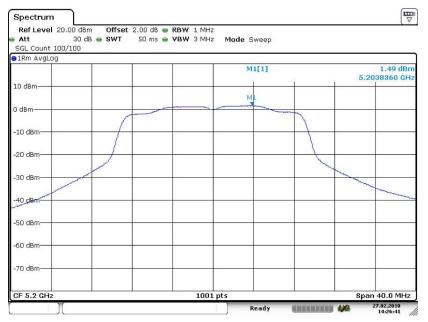


Date: 27.FEB.2018 14:23:31





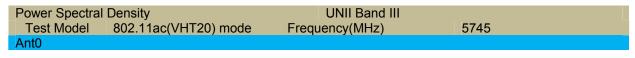


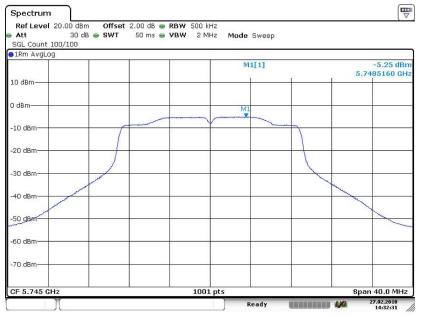


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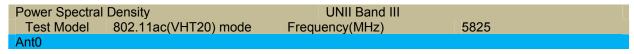




Date: 27.FEB.2018 14:32:31









Date: 27.FEB.2018 14:34:55





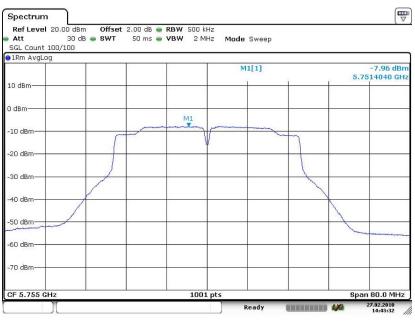




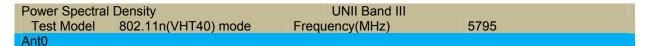
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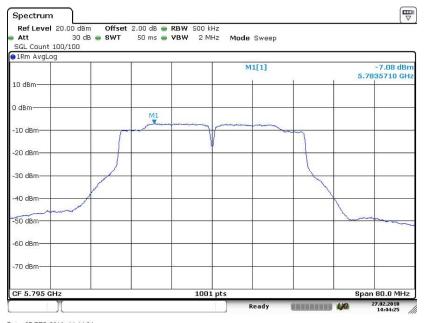


Power Spectral	Density	UNII Band III		
Test Model	802.11n(VHT40) mode	Frequency(MHz)	5755	
Ant0				



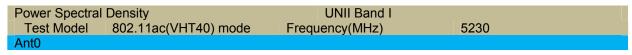
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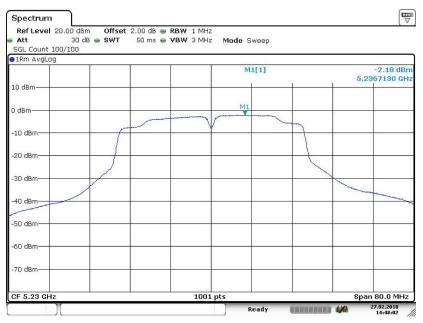








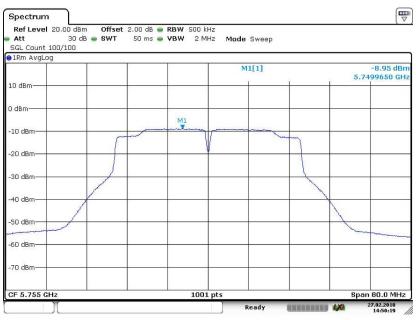




Date: 27.FEB.2018 14:48:02



Power Spectral Density			UNII Band III		
٦	Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5755	
Ar	ntO				



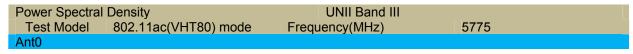
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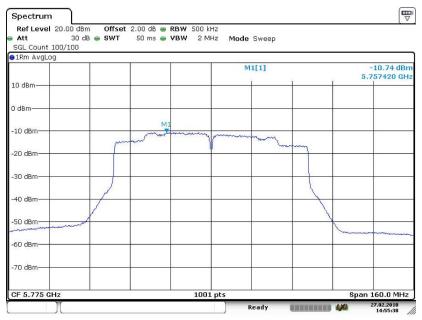












Date: 27.FEB.2018 14:55:38





