

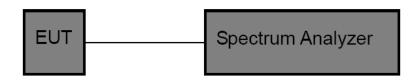
3.5. DTS Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2) / RSS-247 5.2 a

Test Item	Limit	Frequency Range (MHz)
DTS Bandwidth	≥500 kHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

- 1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- DTS Spectrum Setting: 2.
 - (1) Set RBW = 100 kHz.
 - (2) Set the video bandwidth (VBW) \geq 3 RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.
 - OCB Spectrum Setting:
 - (1) Set RBW = $1\% \sim 5\%$ occupied bandwidth.
 - (2) Set the video bandwidth (VBW) \geq 3 RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

Test Mode

Please refer to the clause 2.4.

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Test Result

Mode	Channel	Center Frequency (MHz)	99% Bandwidth (MHz)	DTS Bandwidth (MHz)	Limit (MHz)	Result
	1	2412	13.238	8.551		PASS
IEEE 802.11b	6	2437	13.300	8.092		PASS
	11	2462	13.302	8.549		PASS
	1	2412	17.143	16.34		PASS
IEEE 802.11g	6	2437	17.145	16.36		PASS
	11	2462	17.121	16.33	0.5	PASS
IEEE	1	2412	18.110	17.57		PASS
802.11n 20	6	2437	18.144	17.56		PASS
002.111_20	11	2462	18.137	17.34		PASS
	3	2422	36.672	35.46		PASS
IEEE 802.11n 40	6	2437	36.495	35.47		PASS
002.111_40	9	2452	36.466	35.72	1	PASS

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NSEINT ALIGNAUTO Center Freq: 2.412000000 GHz Trig: Free Run AvgjHold: 100/100 #Atten: 40 dB 04:23:05 AM Aug 28, 20 Radio Std: None 04:20:20 AM Aug 28, 20 Radio Std: None nter Freq 2.412000000 GH Center Freq: 2.4370 Trig: Free Run #Atten: 40 dB nter Freg 2.437000000 GHz 000 GHz AvalHold: 100/100 --------Radio Device: BTS Radio Device: BTS IEGain:Lo Ref Offset 1.5 dB Ref 21.50 dBm 2.418591 (-14.240 d 2.443618 GI -11.422 dB Ref Offset 1.5 dB Ref 21.50 dBm millionedual enter 2.412 GHz Res BW 300 kHz enter 2.437 GHz Res BW 300 kHz Span 30 MH Sweep 1.333 ms Span 30 MHz eep 1.333 ms #VBW 910 kHz Sv #VBW 910 kHz 11.3 dBm 13.6 dBm Occupied Bandwid Total Power Occupied Bandw Total Power 13.238 MHz 13.300 MHz -26.833 kHz 99.00 % -29.944 kHz Transmit Freq Error Transmit Freq Error 99.00 % **OBW Power** OBW Power 16.36 MHz 16.40 MHz x dB Bandwidth x dB -26.00 dB x dB Bandwidth x dB -26.00 dB IEEE 802.11b_Channel 6_20MHz_Antenna 0 IEEE 802.11b Channel 1 20MHz Antenna 0 enter Freq 2.462000000 GH 04:25:38 AM A Radio Std: None nter Freq 2.412000000 GH 04:30:29 AM A Radio Std: None Center Freq: 2.41 Trig: Free Run #Atten: 40 Center Freq: 2. Trig: Free Run #Atten: 40 dB dio Device: BT 2 2.468654 G -10.841 dE 2.420589 G -13.771 dE Ref Offset 1.5 dB Ref 21.50 dBm Ref Offset 1.5 dB Ref 21.50 dBn al. enter 2.412 GHz Res BW 300 kHz enter 2.462 GHz Res BW 300 kHz Span 30 MHz Sweep 1.333 ms Span 30 MH; Sweep 1.333 ms #VBW 910 kHz #VBW 910 kHz Total Power 15.6 dBm Total Powe 10.7 dBm Occupied Bandwidth Occupied Bandwidth 13.302 MHz 17.143 MHz Transmit Freg Error 5.913 kHz **OBW Power** 99.00 % Transmit Freg Error 20.175 kHz OBW Power 99.00 % 16.40 MHz -26.00 dB x dB Bandwidth x dB -26.00 dB x dB Bandwidth 22.62 MHz x dB IEEE 802.11b_Channel 11_20MHz_Antenna 0 IEEE 802.11g_Channel 1_20MHz_Antenna 0 04:33:17 AM Aug Radio Std: None 04:37:27 AM Aug 28, Radio Std: None Center Freq 2.437000000 GH Center Freq 2.462000000 GHz Center Freq: 2.437 Trig: Free Run 0 GHz GHz Radio Device: BTS Radio Device: BTS 2.47058 G 10.924 dE 445577 C 15.315 d Ref Offset 1.5 dB Ref 21.50 dBm Ref Offset 1.5 dB Ref 21.50 dBn Span 30 MHz Sweep 1.333 ms Span 30 MHz Sweep 1.333 ms enter 2.437 GHz Res BW 300 kHz enter 2.462 GHz Res BW 300 kHz #VBW 910 kHz #VBW 910 kHz 12.6 dBm 14.5 dBm Occupied Bandwidth Total Power Occupied Bandwidth Total Power 17.145 MHz 17.121 MHz 6.645 kHz 99.00 % Transmit Freq Error OBW Power Transmit Freq Error 22.296 kHz OBW Power 99.00 % 22.81 MHz 22.72 MHz dB Bandwidth x dB -26.00 dB dB Bandwidth x dB 26.00 dB IEEE 802.11g_Channel 6_20MHz_Antenna 0 IEEE 802.11g_Channel 11_20MHz_Antenna 0

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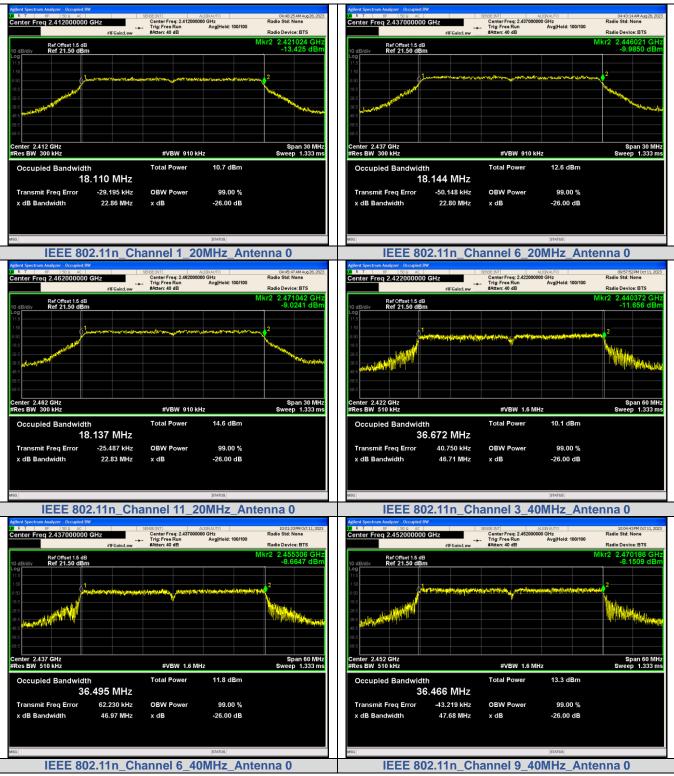
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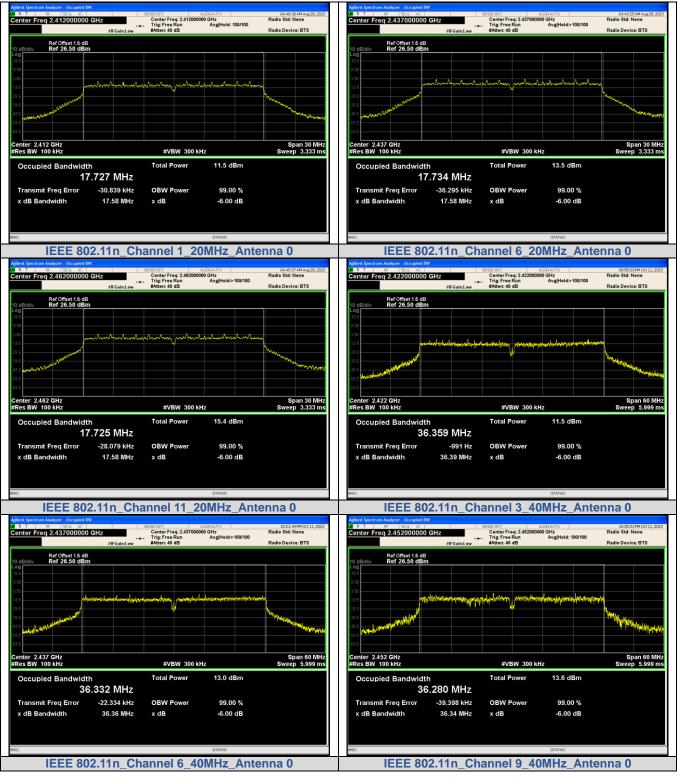
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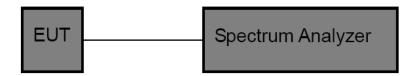
3.6. Peak Output Power

<u>Limit</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3) / RSS-247 5.4 d

Section	Test Item	Limit	Frequency Range (MHz)
FCC CFR 47 Part15.247 (b)(3)	Maximum Conducted Output Power	1 Watt or 30dBm	2400~2483.5
ISED RSS-247 5.4 d	EIRP	4 Watt or 36dBm	2400~2483.5

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.

- 2. Spectrum Setting:
 - (1) Set RBW \geq DTS Bandwidth.
 - (2) Set VBW \geq 3*RBW.
 - (3) Set Span \geq 3*RBW.
 - (4) Sweep time = Auto couple.
 - (5) Detector = Peak.
 - (6) Trace mode = Max hold.

Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.



Conducted peak output power

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
	1	10.37	30	PASS
IEEE 802.11b	6	12.70	30	PASS
	11	14.75	30	PASS
	1	12.13	30	PASS
IEEE 802.11g	6	14.02	30	PASS
	11	16.00	30	PASS
	1	12.18	30	PASS
IEEE 802.11n_20	6	14.07	30	PASS
	11	16.05	30	PASS
	3	11.44	30	PASS
IEEE 802.11n_40	6	13.00	30	PASS
	9	14.85	30	PASS

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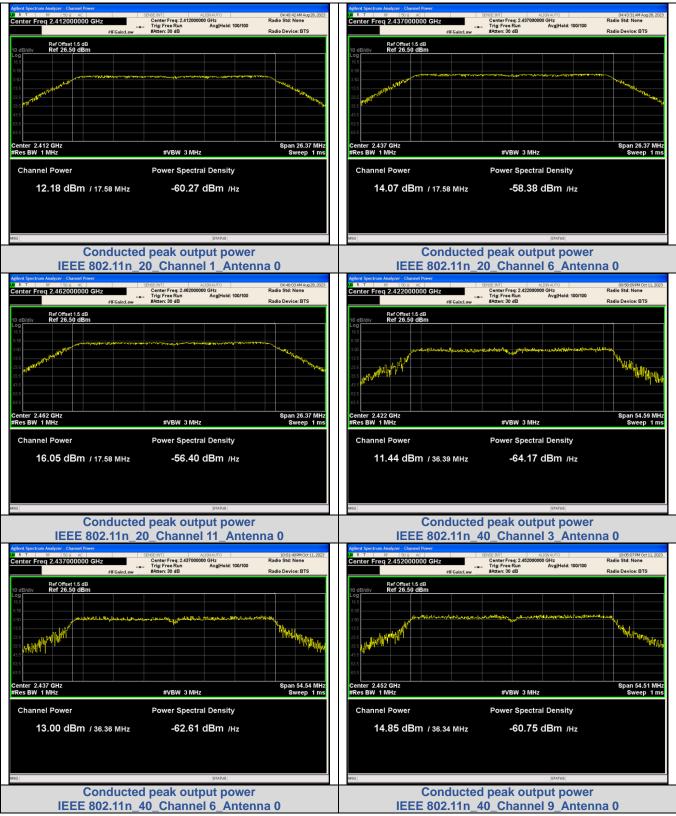


enter Freq 2.412000000 GHz			R T RE 50.0 AC		04:23:22 AM Aug 28
#IFGain:	Center Freq: 2.412000000 GHz Trig: Free Run Avg Hold: 100/100 #Atten: 30 dB	04:20:37 AM Aug 28, 2023 Radio Std: None Radio Device: BTS	Center Freq 2.437000000 GHz	Center Freq: 2.437000000 GHz 	Radio Std: None Radio Device: BTS
Ref Offset 1.5 dB	Low whiten 30 dB	Radio Device. B 15		W WAten 30 dd	Radio Device. B15
dB/div Ref 26.50 dBm			Ref Offset 1.5 dB 10 dB/div Ref 26.50 dBm		
50			16.5 6.50		
			3.50		
6			-23.5		
5			-33.5		
5			-53.5		
			-63.5		
enter 2.412 GHz tes BW 1 MHz	#VBW 3 MHz	Span 15.08 MHz Sweep 1 ms	Center 2.437 GHz #Res BW 1 MHz	#VBW 3 MHz	Span 15.02 Sweep
Channel Power	Power Spectral Density		Channel Power	Power Spectral Density	
10.37 dBm / 10.05 мн	ız -59.65 dBm /нz		12.70 dBm / 10.01 мнz	-57.30 dBm /нz	
				-57.50 dbm /H2	
	STATUS		MSG	STATUS	
	cted peak output power			ted peak output power	
	11b_Channel 1_Antenna	a 0		1b_Channel 6_Antenna	a 0
ent Spectrum Analyzer - Channel Power R T RF 50.2 AC	SENSE:INT ALIGN AUTO Center Freq: 2.462000000 GHz	04:25:55 AM Aug 28, 2023 Radio Std: None	Agilent Spectrum Analyzer - Channel Power	SENSE:INT ALIGN AUTO Center Freq: 2.412000000 GHz	04:30:46 AM Aug 28 Radio Std: None
nter Freq 2.462000000 GHz //IFGain:	Trig: Free Run Avg Hold: 100/100	Radio Std: None Radio Device: BTS	Center Freq 2.412000000 GHz #IFGain:Lo	Trig: Free Run Avg Hold: 100/100	Radio Std: None Radio Device: BTS
Ref Offset 1.5 dB dB/div Ref 26.50 dBm			Ref Offset 1.5 dB		
			10 dB/div Ref 26.50 dBm		
			6.50		ummer .
			-350 -13.5		marghan aller
5			-23.5		****
5			-33.6		
5			-53.5		
enter 2.462 GHz					
		Span 15.03 MHz	Center 2.412 GHz		Span 24.53
Res BW 1 MHz	#VBW 3 MHz	Span 15.03 MHz Sweep 1 ms	Center 2.412 GHz #Res BW 1 MHz	#VBW 3 MHz	Span 24.53 Sweep
	#VBW 3 MHz Power Spectral Density		Center 2.412 GHz #Res BW 1 MHz Channel Power	#VBW 3 MHz Power Spectral Density	
	Power Spectral Density		#Res BW 1 MHz Channel Power	Power Spectral Density	
Channel Power	Power Spectral Density		#Res BW 1 MHz	Power Spectral Density	
Channel Power	Power Spectral Density		#Res BW 1 MHz Channel Power	Power Spectral Density	
Channel Power	Power Spectral Density Iz -55.26 dBm /Hz		#Res BW 1 MHz Channel Power	Power Spectral Density -60.01 dBm /Hz	
Channel Power 14.75 dBm / 10.02 MH	Power Spectral Density Iz -55.26 dBm /Hz		#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz	Power Spectral Density 2 -60.01 dBm /Hz	Sweep 4
Channel Power 14.75 dBm / 10.02 MH Conduc	Power Spectral Density Iz -55.26 dBm /Hz	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz MSI Conduct	Power Spectral Density 2 -60.01 dBm /Hz [status] ted peak output power	Sweep
Channel Power 14.75 dBm / 10.02 MH Conduc	Power Spectral Density Iz -55.26 dBm /Hz	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz MSI Conduct	Power Spectral Density 2 -60.01 dBm /Hz	Sweep
Channel Power 14.75 dBm / 10.02 MH Conduc IEEE 802.1	Power Spectral Density Iz -55.26 dBm /Hz [STATUS] Center Spectral Density (STATUS) [STATUS] Control (Status) Control (Status) Cont	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz MIS Conduct IEEE 802.1 Addrest Seestman Analyzer, Channel Power 2 B T PP SS A C	Power Spectral Density 60.01 dBm /Hz sted peak output power 1g_Channel 1_Antenna Center Frez 2462000 915	Sweep
Channel Power 14.75 dBm / 10.02 MH Conduc IEEE 802.1	Power Spectral Density Iz -55,26 dBm /Hz [STATUS] Cted peak output power 1b_Channel 11_Antenn Center Freq 2.4 May Hold: 100/100	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz vso vso conduct iEEE 802.1 After Systema Analyzer Channel Power	Power Spectral Density -60.01 dBm /Hz pratus ted peak output power 1g_Channel 1_Antenna Center Freg 2.400000 9Hz - Trig Free Run AvgHold: 100100	Sweep / a 0
Channel Power 14.75 dBm / 10.02 MH Conduct IEEE 802.1 Mi Sective Andyer: Channel Power Inter Freq 2.437000000 GHz WFGen: Ref Offret 15 dB	Power Spectral Density Iz -55,26 dBm /Hz [STATUS] Cted peak output power 1b_Channel 11_Antenn Center Freq 2.4 May Hold: 100/100	Sweep 1 ms Sweep 1 ms a 0 Pr:2133.04 Aug28, 2022 Radio Std: None	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz MID MID Conduct IEEE 802.1 Addred Synchron Andyror Channel Power State State State State State Center Freq 2.46200000 GHz #FGalacte Ref Offset 15 gB	Power Spectral Density -60.01 dBm /Hz pratus ted peak output power 1g_Channel 1_Antenna Center Freg 2.400000 9Hz - Trig Free Run AvgHold: 100100	Sweep 4
Channel Power 14.75 dBm / 10.02 MH Conduct IEEE 802.1 nt spotow Awyur, Gward Dowr IEEE 802.1 nter Freq 2.437000000 GHz #FGGidd Ref 26.50 dBm	Power Spectral Density Iz -55,26 dBm /Hz [STATUS] Cted peak output power 1b_Channel 11_Antenn Center Freq 2.4 May Hold: 100/100	Sweep 1 ms Sweep 1 ms a 0 Pr:2133.04 Aug28, 2022 Radio Std: None	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz rso Conduct IEEE 802.11 Addres Spectrum Analyzer - Channel Source C R T - R 2.4522000000 GHz #FGainto	Power Spectral Density -60.01 dBm /Hz pratus ted peak output power 1g_Channel 1_Antenna Center Freg 2.400000 9Hz - Trig Free Run AvgHold: 100100	Sweep 4
Channel Power 14.75 dBm / 10.02 MH Conduct IEEE 802.1 nt spotow Awyur, Gward Dowr IEEE 802.1 nter Freq 2.437000000 GHz #FGGidd Ref 26.50 dBm	Power Spectral Density Iz -55,26 dBm /Hz [STATUS] Cted peak output power 1b_Channel 11_Antenn Center Freq 2.4 May Hold: 100/100	Sweep 1 ms Sweep 1 ms a 0 Pr:2133.04 Aug28, 2022 Radio Std: None	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz #60 Conduct IEEE 802.11 Advert Spectrum Analyzer - Channel Power Conter Freq 2.452/00000 GHz #FGalactor Ref Offset 15 dB To dBiddy Ref 26.59 dBm	Power Spectral Density -60.01 dBm /Hz pratus ted peak output power 1g_Channel 1_Antenna Center Freg 2.400000 9Hz - Trig Free Run AvgHold: 100100	Sweep 4
Channel Power 14.75 dBm / 10.02 MH Conduct IEEE 802.1 nt spotow Awyur, Gward Dowr IEEE 802.1 nter Freq 2.437000000 GHz #FGGidd Ref 26.50 dBm	Power Spectral Density Iz -55,26 dBm /Hz [STATUS] Cted peak output power 1b_Channel 11_Antenn Center Freq 2.4 May Hold: 100/100	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz #60 Conduct IEEE 802.11 Advert Spectrum Analyzer - Channel Power Conter Freq 2.452/00000 GHz #FGalactor Ref Offset 15 dB To dBiddy Ref 26.59 dBm	Power Spectral Density -60.01 dBm /Hz pratus ted peak output power 1g_Channel 1_Antenna Center Freg 2.400000 9Hz - Trig Free Run AvgHold: 100100	Sweep * a 0 CHOT-SIM ALIQ2 Radio Std: None
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Channel Power 14.75 dBm / 10.02 MH Conduct IEEE 802.1 ref Freq 2.437000000 GHz Ref Offer 15 dB Gradient State Ref Offer 15 dB The ref 2.437 CHz es BW 1 MHz Channel Power 14.02 dBm / 16.35 MH	Power Spectral Density Iz -55.26 dBm /Hz Particle Cted peak output power 1 AUXANTO Cted Peak output of a Cted Peak output of a Cte	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz res Conduct IEEE 802.1 Added Spectrum Analymer Center Freq 2.452000000 GHz Center Freq 2.452000000 GHz Center Freq 2.452000000 GHz Center 2.453 dBm Cod Center 2.452 GHz #Res BW 1 MHz Channel Power 16.00 dBm / 16.34 MHz ME	Power Spectral Density 	Sweep of a 0 Correction of the second
Conduct IEEE 802.1	Power Spectral Density Iz -55.26 dBm /Hz Israno Isr	Sweep 1 ms	#Res BW 1 MHz Channel Power 12.13 dBm / 16.35 MHz 12.13 dBm / 16.35 MHz reso Conduct IEEE 802.11 Added Spectrum Analyser Center Freq 2.452000000 GHz Freq 2.452000000 GHz Center Freq 2.452000000 GHz Center 2.452 dBm Center 2.452 dBm Center 2.452 GHz #Res BW 1 MHz Channel Power 16.00 dBm / 16.34 MHz ME	Power Spectral Density 	a 0 Correction of the second

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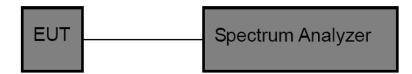
Power Spectral Density 3.7.

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e) / RSS-247 5.2 b

Test Item	Limit	Frequency Range (MHz)	
Power Spectral Density	8 dBm (in any 3 kHz)	2400~2483.5	

Test Configuration



Test Procedure

- 1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- 2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.

3. Spectrum Setting:

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: 3 kHz.

Set the VBW to: 10 kHz.

Detector: peak.

Sweep time: auto.

Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

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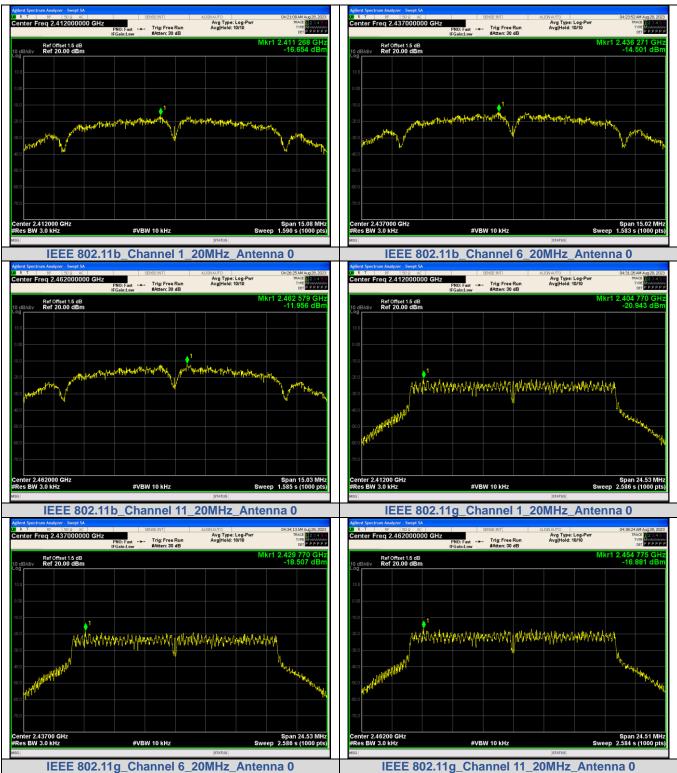
Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
	1	-16.654		PASS
IEEE 802.11b	6	-14.501		PASS
	11	-11.956		PASS
	1	-20.943		PASS
IEEE 802.11g	6	-18.507		PASS
	11	-16.881	8	PASS
	1	-20.515	0	PASS
IEEE 802.11n_20	6	-18.684		PASS
	11	-16.697		PASS
	3	-21.852		PASS
IEEE 802.11n_40	6	-21.313		PASS
	9	-18.803		PASS

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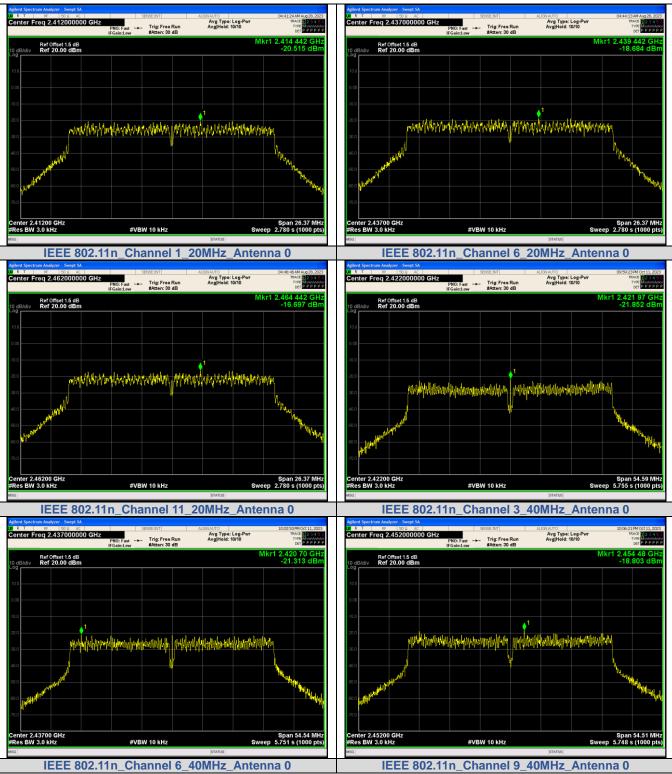
Test plot as follows:



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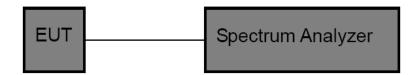


3.8. Duty Cycle

<u>Limit</u>

None, for report purposes only.

Test Configuration



Test Procedure

- 1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- 2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.

3. Spectrum Setting:
Set analyzer center frequency to test channel center frequency.
Set the span to 0Hz.
Set the RBW to 10MHz.
Set the VBW to 10MHz.
Detector: Peak.
Sweep time: Auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

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Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
	1	1.007	1.121	89.88	0.99	1
IEEE 802.11b	6	1.007	1.122	89.80	0.99	1
	11	1.007	1.122	89.79	0.99	1
	1	0.617	0.685	90.04	1.62	3
IEEE 802.11g	6	0.617	0.685	90.04	1.62	3
	11	0.617	0.686	89.93	1.62	3
IEEE	1	0.613	0.682	89.87	1.63	3
802.11n 20	6	0.613	0.682	89.87	1.63	3
002.1111_20	11	0.613	0.683	89.75	1.63	3
IEEE	3	0.583	6.628	8.80	1.72	3
802.11n 40	6	0.583	6.628	8.80	1.72	3
002.111_40	9	0.583	6.628	8.80	1.72	3

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Test plot as follows:	
	Agilent Spectrum Analyzer Swigt SA OI R T FF S0 8 AC SENSE:INT ALIGNAUTO 04:2012 AM Aug 28, 2023 Center Fred 2.4127000000 GHz Avg Type: RMS TRUCE BESIST
	PNO:Fast →→ Trig: Free Run TYPE WWWWWWW IFGalin:Low Atten: 26 dB CET A A A A A
	Ref Offset 1.5 dB ΔMkr3 1.121 ms 10 dB/div Ref 16.00 dBm -30.28 dB
	Center 2.412000000 GHz Span 0 Hz Res BW 8 MHz #VBW 8.0 MHz* Sweep 5.926 ms (40000 pts)
	Marx Mode TRC SQL X Y Function Function worth Function walle 1 N 1 t 3000 ms -0.80 dBm - </td
	4 1 1 C (Δ) 1/1/1 ms (Δ) -30/28 98
	IEEE 802.11b_20MHz_Channel 1
	Anilent Spectrum Analyzer - Swept SA
	OIL FT SEXEENT AUXIANTO OH 2257,MM kug 28,2023 Center Freq 2.4370000000 GHz Freq 2.437000000 GHz Freq 2.437000000 GHz Freq 2.437000000 GHz PN0: Fast +
	Ref Offset 15 dB ΔMkr3 1.122 ms 10 dB/div Ref 20.00 dBm -46.38 dB
	Center 2.437000000 GHz Span 0 Hz Res BW 8 MHz #VBW 8.0 MHz* Sweep 5.926 ms (40000 pts)
	MKR MODE TRC SCL X Y FUNCTION FUNCTION VIDTH FUNCTION VALUE
	1 N 1 t 3242 ms 557 dBm 2 Δ1 1 t (L0) 1007 ms(Δ) 1563 dB 3 Δ1 1 t (Δ) 1427 ms(Δ) 4638 dB 4 4 4 4638 dB 4638 dB
	MSG STATUS
	IEEE 802.11b_20MHz_Channel 6 Aglent Spectrum Analyzer - Swept SA
	Automic Spatialization applies Selectint ALISIANTO. 04/25/20/24002 04/25/20/24002 2 R F
	IFGainLew Atten: 32 dB Def AAAAAA
	Ref offset 15 dB ΔMKr3 1.122 ms 10 dB/div -26.42 dB -20 -20
	a 1999 - Andrew State - Andre
	دی اور کی او اور کی اور کی اور کی اور کی
	Res BW 8 MHz #VBW 8.0 MHz* Sweep 5.926 ms (40000 pts)
	1 N 1 t 2.801 ms -2.95 dBm 2 Δ1 1 t (Δ) 1.007 ms (Δ) -8.59 dB 3 Δ1 1 t (Δ) 1.122 ms (Δ) -2.82 dB
	IEEE 802.11b_20MHz_Channel 11



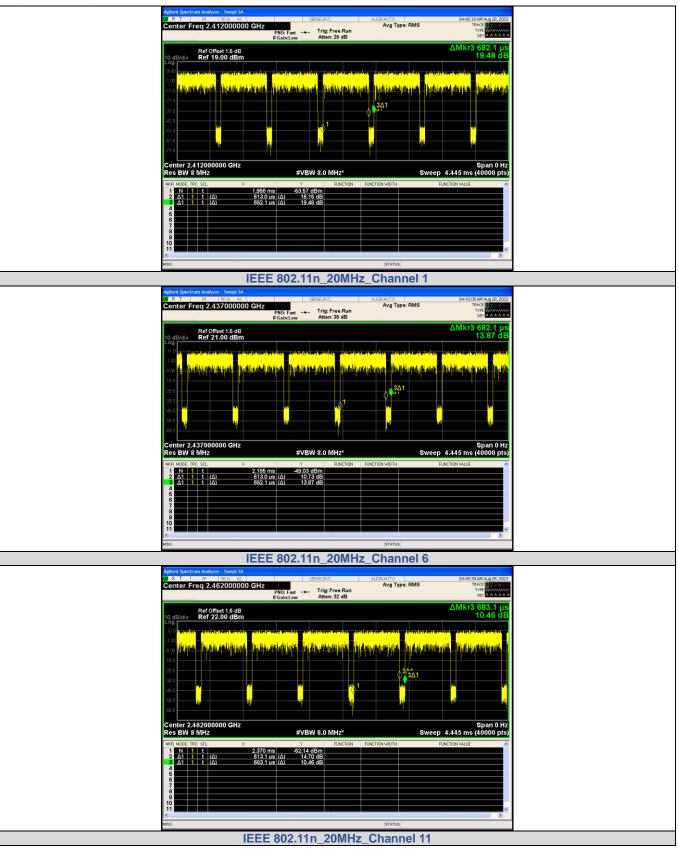
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3.9. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i)

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna is less than 6dBi, please refer to the EUT internal photographs antenna photo.

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