

APPENDIX REPORT

Project No.	SHT2407056602W	Radio Specification	WIFI 2.4G
Test sample No.	YPHT24070566001	Model No.	Q-3588S
Start test date	2024-08-16	Finish date	2024-08-16
Temperature	24.8℃	Humidity	52%
Test Engineer	Chenxin Ling	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
A	Conducted Peak Output Power	Pass
B	Power Spectral Density	Pass
C	6 dB Bandwidth	Pass
D	99% Occupied Bandwidth	Pass
E	Duty Cycle	Pass
F	Band edge and Spurious Emissions (conducted)	Pass

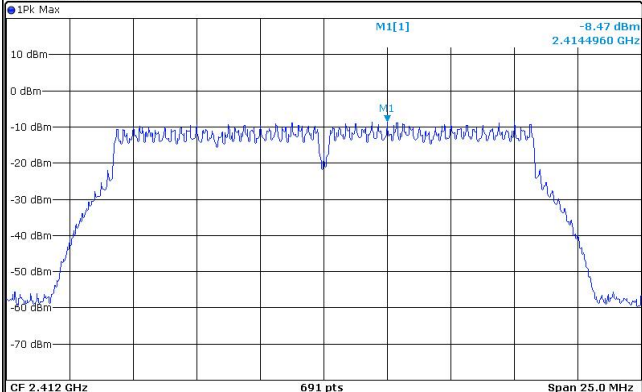
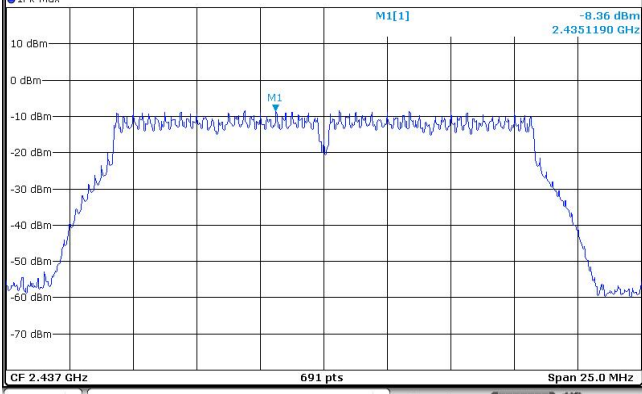
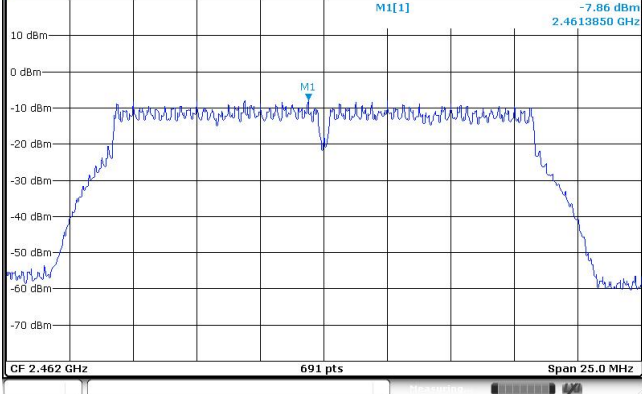
Appendix A: Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	15.86	15.53	≤ 30.00	Pass
	06	16.15	16.85		
	11	16.12	16.81		
802.11g	01	15.35	15.03	≤ 30.00	Pass
	06	15.41	15.11		
	11	15.32	15.02		
802.11n (HT20)	01	15.47	15.16	≤ 30.00	Pass
	06	15.38	15.33		
	11	15.34	15.02		
802.11n(HT40)	03	15.69	15.34	≤ 30.00	Pass
	06	15.55	15.21		
	09	15.59	15.25		

Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	0.11	≤8.00	Pass
	06	4.72		
	11	4.57		
802.11g	01	-8.47	≤8.00	Pass
	06	-8.36		
	11	-7.86		
802.11n(HT20)	01	-8.53	≤8.00	Pass
	06	-7.97		
	11	-8.12		
802.11n(HT40)	03	-11.62	≤8.00	Pass
	06	-11.45		
	09	-11.29		

Type:	802.11 b
CH01	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] 0.11 dBm 2.411200 GHz CF 2.412 GHz 691 pts Span 16.0 MHz Date: 16 AUG 2024 15:44:11
CH06	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] 4.72 dBm 2.4360040 GHz CF 2.437 GHz 691 pts Span 16.0 MHz Date: 16 AUG 2024 15:44:54
CH11	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] 1.13 dBm 2.4629960 GHz CF 2.462 GHz 691 pts Span 16.0 MHz Date: 16 AUG 2024 15:46:01

Type:		802.11 g
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 189.6 μs RBW 30 kHz VBW 100 kHz Mode Auto FFT 1Pk Max M1[1] -8.47 dBm 2.4144960 GHz  CF 2.412 GHz 691 pts Span 25.0 MHz Date: 16 AUG 2024 15:47:45	
CH06	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 189.6 μs RBW 30 kHz VBW 100 kHz Mode Auto FFT 1Pk Max M1[1] -8.36 dBm 2.4351190 GHz  CF 2.437 GHz 691 pts Span 25.0 MHz Date: 16 AUG 2024 15:48:27	
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 189.6 μs RBW 30 kHz VBW 100 kHz Mode Auto FFT 1Pk Max M1[1] -7.86 dBm 2.4613850 GHz  CF 2.462 GHz 691 pts Span 25.0 MHz Date: 16 AUG 2024 15:49:15	

Type:		802.11n(HT20)
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 189.6 μs RBW 30 kHz VBW 100 kHz Mode Auto FFT 1Pk Max M1[1] -8.53 dBm 2.4169930 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 691 pts Span 25.0 MHz Date:16 AUG 2024 15:50:08	
CH06	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 189.6 μs RBW 30 kHz VBW 100 kHz Mode Auto FFT 1Pk Max M1[1] -8.00 dBm 2.4357340 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 691 pts Span 25.0 MHz Date:16 AUG 2024 15:50:51	
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 189.6 μs RBW 30 kHz VBW 100 kHz Mode Auto FFT 1Pk Max M1[1] -8.12 dBm 2.4538600 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.462 GHz 691 pts Span 25.0 MHz Date:16 AUG 2024 15:51:28	

Type:	802.11n(HT40)
CH03	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] -11.62 dBm 2.4232740 GHz M1 -11.62 dBm 2.4232740 GHz CF 2.422 GHz 691 pts Span 55.0 MHz Date:16AUG 2024 15:52:18
CH06	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] -11.45 dBm 2.4357260 GHz M1 -11.45 dBm 2.4357260 GHz CF 2.437 GHz 691 pts Span 55.0 MHz Date:16AUG 2024 15:53:16
CH09	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] -11.29 dBm 2.4406980 GHz M1 -11.29 dBm 2.4406980 GHz CF 2.452 GHz 691 pts Span 55.0 MHz Date:16AUG 2024 15:53:56

Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	10.14	≥0.5	Pass
	06	10.11		
	11	9.63		
802.11g	01	16.41	≥0.5	Pass
	06	16.38		
	11	16.47		
802.11n(HT20)	01	17.67	≥0.5	Pass
	06	17.64		
	11	17.64		
802.11n(HT40)	03	35.64	≥0.5	Pass
	06	36.12		
	09	35.82		

Type:

802.11 b

CH01

Spectrum

Ref Level 20.50 dBm

Att 30 dB

Count 500/500

Offset 0.50 dB

SWT 75.9 μ s

RBW 100 kHz

VBW 300 kHz

Mode Auto FFT

1Pk View

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1

M2

D1

M1[1]

M2[1]

D3

-6.48 dBm

2.4069300 GHz

1.93 dBm

2.4110100 GHz

CF 2.412 GHz

1001 pts

Span 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40693 GHz	-6.48 dBm		
M2		1	2.41101 GHz	1.93 dBm		
D3	M1	1	10.14 MHz	0.99 dB		

Date: 16 AUG 2024 15:10:21

CH06

Spectrum

Ref Level 20.50 dBm

Att 30 dB

Count 500/500

Offset 0.50 dB

SWT 75.9 μ s

RBW 100 kHz

VBW 300 kHz

Mode Auto FFT

1Pk View

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1

M2

D1

M1[1]

M2[1]

D3

-3.96 dBm

2.4319600 GHz

2.22 dBm

2.4375100 GHz

CF 2.437 GHz

1001 pts

Span 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43196 GHz	-3.96 dBm		
M2		1	2.43751 GHz	2.22 dBm		
D3	M1	1	10.11 MHz	-1.57 dB		

Date: 16 AUG 2024 15:14:22

CH11

Spectrum

Ref Level 20.50 dBm

Att 30 dB

Count 500/500

Offset 0.50 dB

SWT 75.9 μ s

RBW 100 kHz

VBW 300 kHz

Mode Auto FFT

1Pk View

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1

M2

D1

M1[1]

M2[1]

D3

-5.89 dBm

2.4569300 GHz

2.59 dBm

2.4610100 GHz

CF 2.462 GHz

1001 pts

Span 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45693 GHz	-5.89 dBm		
M2		1	2.46101 GHz	2.59 dBm		
D3	M1	1	9.63 MHz	1.97 dB		

Date: 16 AUG 2024 15:16:05

Type:

802.11 g

CH01

Spectrum

Ref Level 20.50 dBm

Att 30 dB

Count 500/500

Offset 0.50 dB

SWT 75.9 μ s

RBW 100 kHz

VBW 300 kHz

Mode Auto FFT

1Pk View

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1

M2

D1

D3

M1[1]

M2[1]

-11.28 dBm

2.4038100 GHz

-5.01 dBm

2.4107400 GHz

CF 2.412 GHz

1001 pts

Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40381 GHz	-11.28 dBm		
M2		1	2.41074 GHz	-5.01 dBm		
D3	M1	1	16.41 MHz	-0.31 dB		

Date: 16 AUG 2024 15:18:44

CH06

Spectrum

Ref Level 20.50 dBm

Att 30 dB

Count 500/500

Offset 0.50 dB

SWT 75.9 μ s

RBW 100 kHz

VBW 300 kHz

Mode Auto FFT

1Pk View

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1

M2

D1

D3

M1[1]

M2[1]

-11.12 dBm

2.4288100 GHz

-4.92 dBm

2.4307300 GHz

CF 2.437 GHz

1001 pts

Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42881 GHz	-11.12 dBm		
M2		1	2.43073 GHz	-4.92 dBm		
D3	M1	1	16.38 MHz	0.05 dB		

Date: 16 AUG 2024 15:20:52

CH11

Spectrum

Ref Level 20.50 dBm

Att 30 dB

Count 500/500

Offset 0.50 dB

SWT 75.9 μ s

RBW 100 kHz

VBW 300 kHz

Mode Auto FFT

1Pk View

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1

M2

D1

D3

M1[1]

M2[1]

-10.91 dBm

2.4537200 GHz

-4.75 dBm

2.4607400 GHz

CF 2.462 GHz

1001 pts

Span 30.0 MHz

Marker

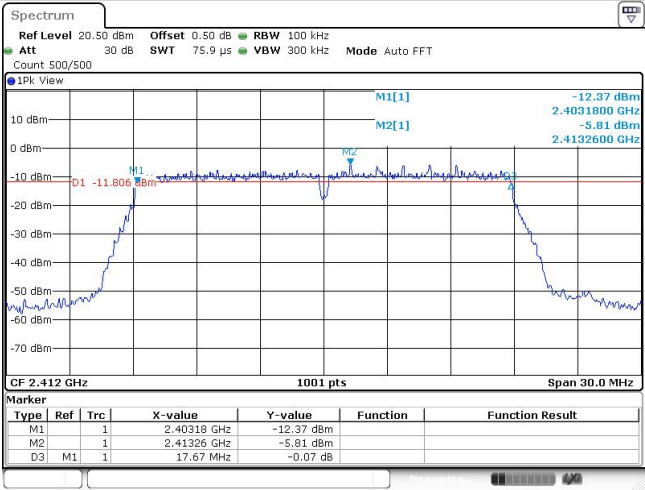
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45372 GHz	-10.91 dBm		
M2		1	2.46074 GHz	-4.75 dBm		
D3	M1	1	16.47 MHz	-0.50 dB		

Date: 16 AUG 2024 15:22:21

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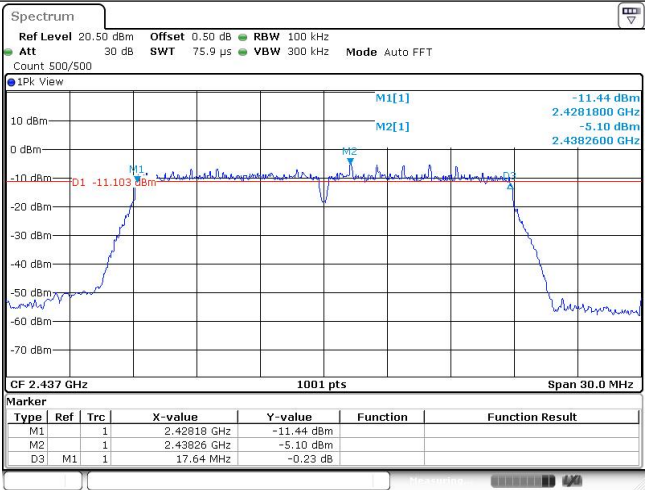
802.11n(HT20)

CH01



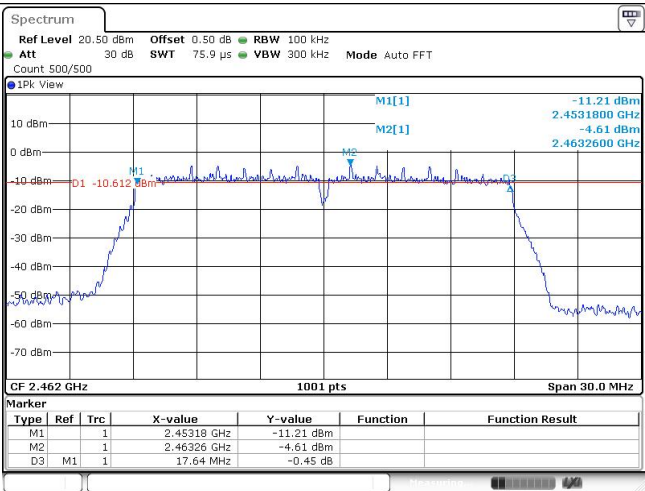
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CH06



Date: 16 AUG 2024 15:26:57

CH11



Date: 16 AUG 2024 15:28:22

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Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	14.24	-	Pass
	06	14.24		
	11	14.21		
802.11g	01	16.84	-	Pass
	06	16.93		
	11	16.78		
802.11n(HT20)	01	17.77	-	Pass
	06	17.89		
	11	17.86		
802.11n(HT40)	03	36.32	-	Pass
	06	36.32		
	09	36.32		

Type:		802.11 b
CH01	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View 2.34 dBm 2.4129890 GHz 14.235764236 MHz M1[1] Occ Bw M1 T1 T2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 1001 pts Span 30.0 MHz Date: 16 AUG 2024 15:10:28	
CH06	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View 2.71 dBm 2.4360110 GHz 14.235764236 MHz M1[1] Occ Bw M1 T1 T2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts Span 30.0 MHz Date: 16 AUG 2024 15:14:30	
CH11	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View 2.58 dBm 2.4610110 GHz 14.205794206 MHz M1[1] Occ Bw M1 T1 T2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.462 GHz 1001 pts Span 30.0 MHz Date: 16 AUG 2024 15:16:12	

Type:		802.11 g
CH01	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View M1[1] -1.93 dBm 2.4147570 GHz Occ Bw 16.843156843 MHz T1 T2 M1 CF 2.412 GHz 1001 pts Span 30.0 MHz Date: 16 AUG 2024 15:18:51	
CH06	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View M1[1] -2.77 dBm 2.4323850 GHz Occ Bw 16.933066933 MHz T1 T2 M1 CF 2.437 GHz 1001 pts Span 30.0 MHz Date: 16 AUG 2024 15:20:59	
CH11	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View M1[1] -1.82 dBm 2.4597520 GHz Occ Bw 16.783216783 MHz T1 T2 M1 CF 2.462 GHz 1001 pts Span 30.0 MHz Date: 16 AUG 2024 15:22:28	

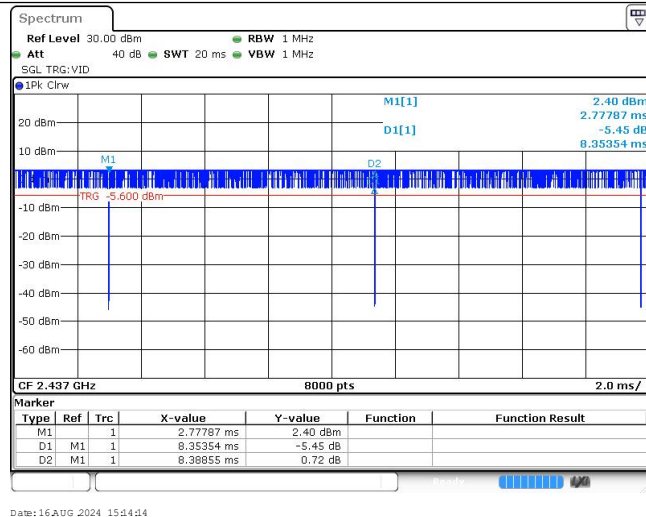
Type:		802.11n(HT20)
CH01	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View M1[1] -2.89 dBm 2.4166150 GHz 17.772227772 MHz Occ Bw M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 1001 pts Span 30.0 MHz Date:16AUG 2024 15:24:43	
CH06	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View M1[1] -2.65 dBm 2.4322350 GHz 17.892107892 MHz Occ Bw M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts Span 30.0 MHz Date:16AUG 2024 15:27:04	
CH11	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT 1Pk View M1[1] -2.56 dBm 2.4584940 GHz 17.862137862 MHz Occ Bw M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.462 GHz 1001 pts Span 30.0 MHz Date:16AUG 2024 15:28:30	

Type:		802.11n(HT40)
CH03	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 1 ms RBW 500 kHz VBW 2 MHz Mode Auto Sweep 1Pk View M1[1] -2.49 dBm 2.4299120 GHz Occ Bw 36.323676324 MHz T M1 T2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.422 GHz 1001 pts Span 60.0 MHz Date:16 AUG 2024 15:30:30	
CH06	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 1 ms RBW 500 kHz VBW 2 MHz Mode Auto Sweep 1Pk View M1[1] -2.36 dBm 2.4309460 GHz Occ Bw 36.323676324 MHz T M1 T2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts Span 60.0 MHz Date:16 AUG 2024 15:39:59	
CH09	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 0.50 dB SWT 1 ms RBW 500 kHz VBW 2 MHz Mode Auto Sweep 1Pk View M1[1] -2.67 dBm 2.4536180 GHz Occ Bw 36.323676324 MHz T M1 T2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.452 GHz 1001 pts Span 60.0 MHz Date:16 AUG 2024 15:35:48	

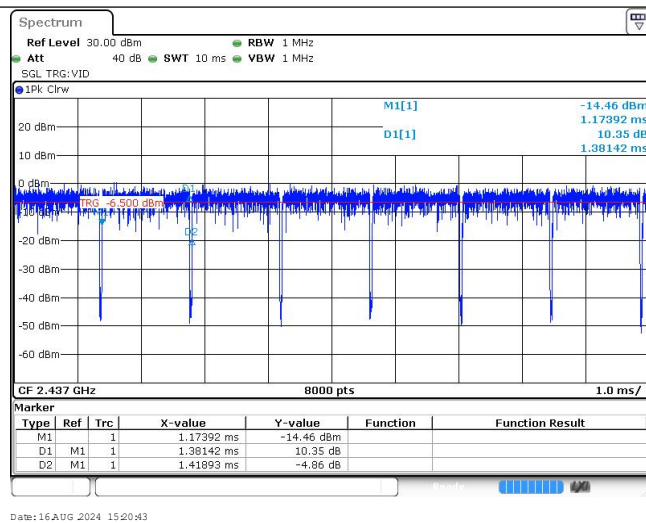
Appendix E: Duty Cycle

Modulation Type	Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle (%)	1/T _{on} time (kHz)
11b	2437	8.35	8.39	99.52	0.12
11g	2437	1.38	1.42	97.18	0.72
11n20	2437	1.29	1.33	96.99	0.78
11n40	2437	0.64	0.68	94.12	1.56

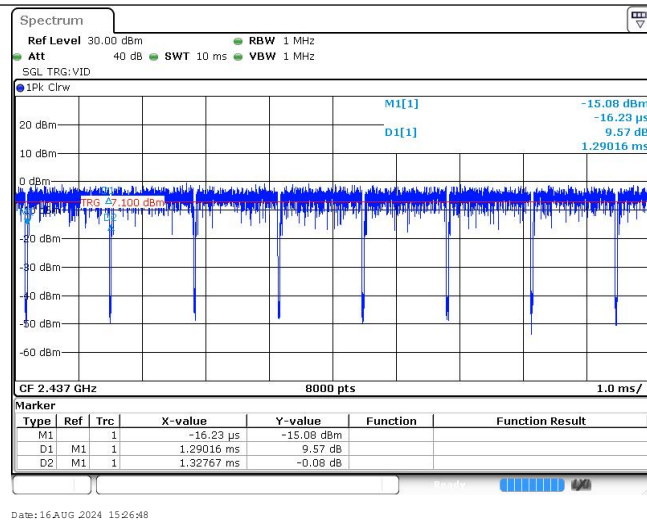
11b



11g

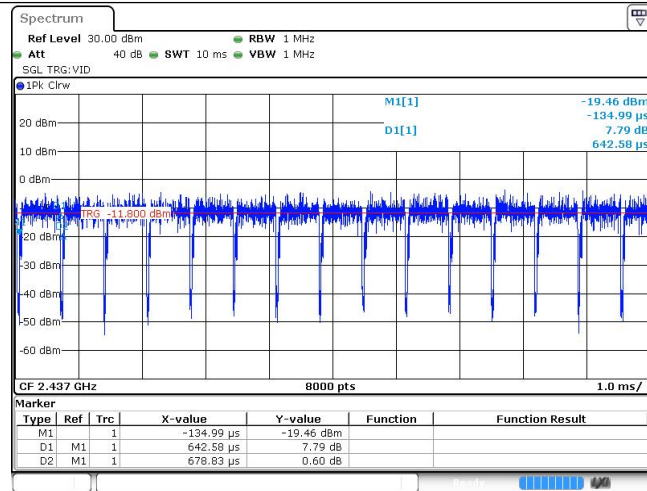


11n20



Date: 16 AUG 2024 15:26:48

11n40



Date: 16 AUG 2024 15:56:50

Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Type:	802.11 b																																										
CH01	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 1.29 dBm 2.412520 GHz -55.20 dBm 2.401000 GHz -58.56 dBm -49.39 dBm Start 2.31 GHz 691 pts Stop 2.422 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.41252 GHz</td><td>1.29 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.20 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.79 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-58.56 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399275 GHz</td><td>-49.39 dBm</td><td></td><td></td></tr></table> Date:16AUG 2024 15:10:48			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41252 GHz	1.29 dBm			M2	1		2.4 GHz	-55.20 dBm			M3	1		2.39 GHz	-59.79 dBm			M4	1		2.31 GHz	-58.56 dBm			M5	1		2.399275 GHz	-49.39 dBm		
	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.41252 GHz	1.29 dBm																																									
M2	1		2.4 GHz	-55.20 dBm																																									
M3	1		2.39 GHz	-59.79 dBm																																									
M4	1		2.31 GHz	-58.56 dBm																																									
M5	1		2.399275 GHz	-49.39 dBm																																									
CH11	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2[1] M2 M3 M4 2.44 dBm 2.4609960 GHz -57.87 dBm 2.4835000 GHz -56.07 dBm Start 2.452 GHz 691 pts Stop 2.5 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.460996 GHz</td><td>2.44 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-57.87 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.99 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4911652 GHz</td><td>-56.07 dBm</td><td></td><td></td></tr></table> Date:16AUG 2024 15:16:32			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.460996 GHz	2.44 dBm			M2	1		2.4835 GHz	-57.87 dBm			M3	1		2.5 GHz	-58.99 dBm			M4	1		2.4911652 GHz	-56.07 dBm									
	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.460996 GHz	2.44 dBm																																									
M2	1		2.4835 GHz	-57.87 dBm																																									
M3	1		2.5 GHz	-58.99 dBm																																									
M4	1		2.4911652 GHz	-56.07 dBm																																									

Test Item:	Bandedge	Type:	802.11 g																																										
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 0.50 dB RBW 100 kHz SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 -5.39 dBm 2.410740 GHz -53.67 dBm 2.4090000 GHz -59.70 dBm 2.397003 GHz -51.50 dBm D1 -25.380 dBm Start 2.31 GHz 691 pts Stop 2.422 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.41074 GHz</td><td>-5.39 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.67 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-58.51 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-59.70 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.397003 GHz</td><td>-51.50 dBm</td><td></td><td></td></tr></table> Date: 16 AUG 2024 15:19:11			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41074 GHz	-5.39 dBm			M2	1		2.4 GHz	-53.67 dBm			M3	1		2.39 GHz	-58.51 dBm			M4	1		2.31 GHz	-59.70 dBm			M5	1		2.397003 GHz	-51.50 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.41074 GHz	-5.39 dBm																																									
M2	1		2.4 GHz	-53.67 dBm																																									
M3	1		2.39 GHz	-58.51 dBm																																									
M4	1		2.31 GHz	-59.70 dBm																																									
M5	1		2.397003 GHz	-51.50 dBm																																									
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 0.50 dB RBW 100 kHz SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -4.61 dBm 2.4607180 GHz -58.70 dBm 2.4835000 GHz -55.04 dBm D1 -24.610 dBm Start 2.452 GHz 691 pts Stop 2.5 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.460718 GHz</td><td>-4.61 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-58.70 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.41 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4858087 GHz</td><td>-55.04 dBm</td><td></td><td></td></tr></table> Date: 16 AUG 2024 15:22:48			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.460718 GHz	-4.61 dBm			M2	1		2.4835 GHz	-58.70 dBm			M3	1		2.5 GHz	-58.41 dBm			M4	1		2.4858087 GHz	-55.04 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.460718 GHz	-4.61 dBm																																									
M2	1		2.4835 GHz	-58.70 dBm																																									
M3	1		2.5 GHz	-58.41 dBm																																									
M4	1		2.4858087 GHz	-55.04 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 0.50 dB RBW 100 kHz SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -5.97 dBm 2.415760 GHz -53.09 dBm 2.400000 GHz D1 -25.970 dBm Start 2.31 GHz 691 pts Stop 2.422 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.41576 GHz</td><td>-5.97 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.09 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-57.79 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-60.05 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.398199 GHz</td><td>-52.36 dBm</td><td></td><td></td></tr></table> Date: 16 AUG 2024 15:25:03			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41576 GHz	-5.97 dBm			M2	1		2.4 GHz	-53.09 dBm			M3	1		2.39 GHz	-57.79 dBm			M4	1		2.31 GHz	-60.05 dBm			M5	1		2.398199 GHz	-52.36 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.41576 GHz	-5.97 dBm																																									
M2	1		2.4 GHz	-53.09 dBm																																									
M3	1		2.39 GHz	-57.79 dBm																																									
M4	1		2.31 GHz	-60.05 dBm																																									
M5	1		2.398199 GHz	-52.36 dBm																																									
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 0.50 dB RBW 100 kHz SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -4.72 dBm 2.4557160 GHz -57.24 dBm 2.4835000 GHz D1 -24.720 dBm Start 2.452 GHz 691 pts Stop 2.5 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.455716 GHz</td><td>-4.72 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-57.24 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-57.84 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4880348 GHz</td><td>-55.16 dBm</td><td></td><td></td></tr></table> Date: 16 AUG 2024 15:28:49			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.455716 GHz	-4.72 dBm			M2	1		2.4835 GHz	-57.24 dBm			M3	1		2.5 GHz	-57.84 dBm			M4	1		2.4880348 GHz	-55.16 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.455716 GHz	-4.72 dBm																																									
M2	1		2.4835 GHz	-57.24 dBm																																									
M3	1		2.5 GHz	-57.84 dBm																																									
M4	1		2.4880348 GHz	-55.16 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 303.4 μs VBW 300 kHz Mode Auto FFT Count 260/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 -7.71 dBm 2.427000 GHz -53.19 dBm 2.400000 GHz -52.25 dBm 2.39953 GHz D1 -27.710 dBm Start 2.31 GHz 691 pts Stop 2.442 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.427 GHz</td><td>-7.71 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.19 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-58.17 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-59.91 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.39953 GHz</td><td>-52.25 dBm</td><td></td><td></td></tr></table> Date: 16 AUG 2024 15:30:50			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.427 GHz	-7.71 dBm			M2	1		2.4 GHz	-53.19 dBm			M3	1		2.39 GHz	-58.17 dBm			M4	1		2.31 GHz	-59.91 dBm			M5	1		2.39953 GHz	-52.25 dBm		
	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.427 GHz	-7.71 dBm																																									
M2	1		2.4 GHz	-53.19 dBm																																									
M3	1		2.39 GHz	-58.17 dBm																																									
M4	1		2.31 GHz	-59.91 dBm																																									
M5	1		2.39953 GHz	-52.25 dBm																																									
CH09	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2[1] M3 M4 -7.61 dBm 2.4495660 GHz -53.53 dBm 2.4835000 GHz -51.93 dBm 2.4870899 GHz D1 -27.610 dBm Start 2.432 GHz 691 pts Stop 2.5 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.449566 GHz</td><td>-7.61 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-53.53 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-53.57 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4870899 GHz</td><td>-51.93 dBm</td><td></td><td></td></tr></table> Date: 16 AUG 2024 15:36:08			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.449566 GHz	-7.61 dBm			M2	1		2.4835 GHz	-53.53 dBm			M3	1		2.5 GHz	-53.57 dBm			M4	1		2.4870899 GHz	-51.93 dBm									
	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.449566 GHz	-7.61 dBm																																									
M2	1		2.4835 GHz	-53.53 dBm																																									
M3	1		2.5 GHz	-53.57 dBm																																									
M4	1		2.4870899 GHz	-51.93 dBm																																									