APPENDIX REPORT

Project No.	SHT1910051706EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT19100517003	Model No.	YJCC002
Start test date	2019/11/16	Finish date	2019/11/16
Temperature	25°C	Humidity	50%
Test Engineer	JiongSheng.Feng	Auditor	William.wang

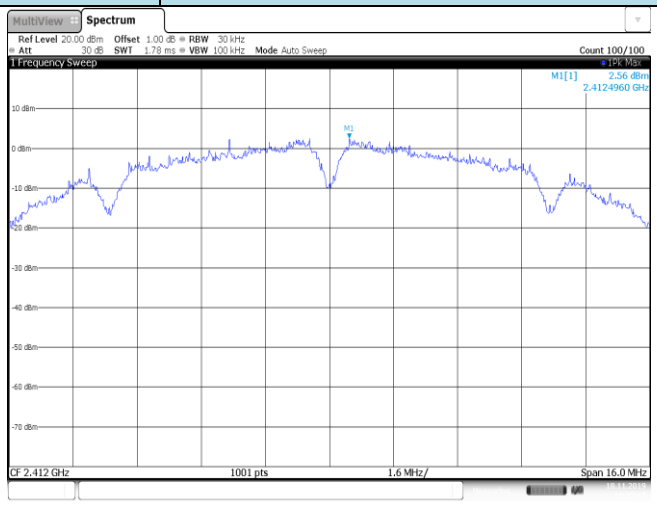
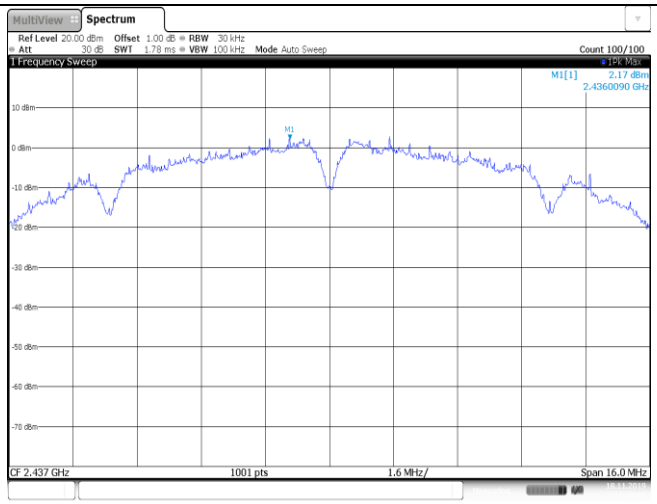
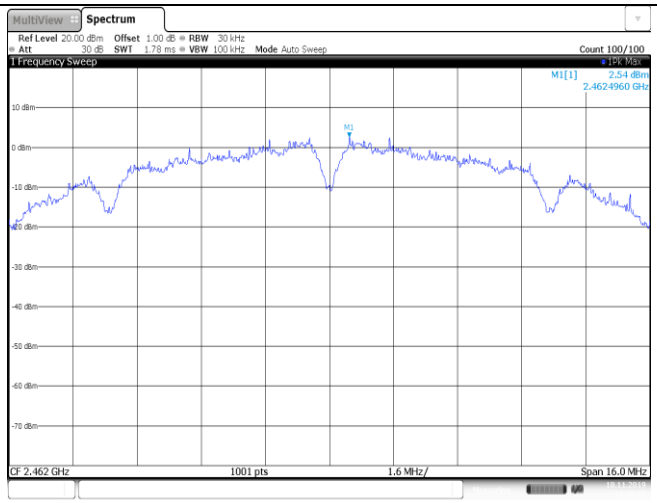
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

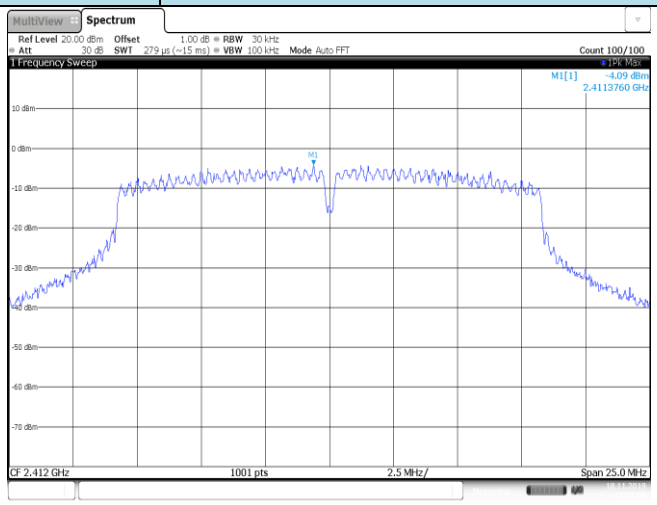
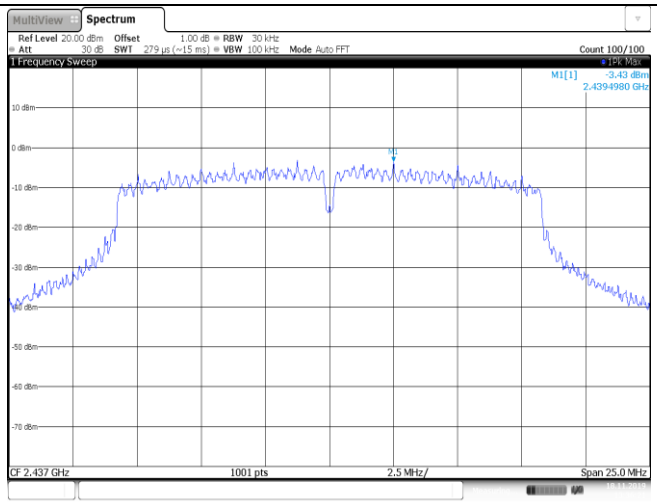
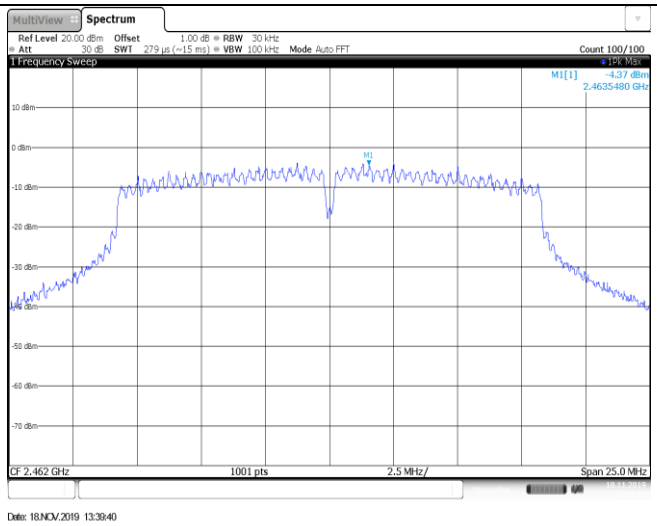
Appendix A: Conducted Peak Output Power

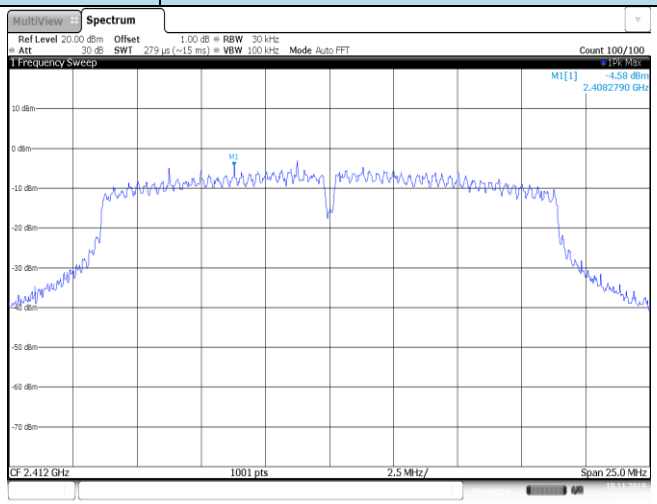
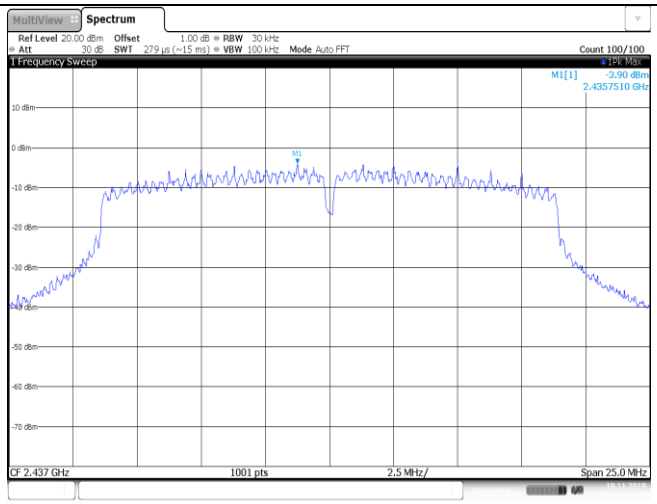
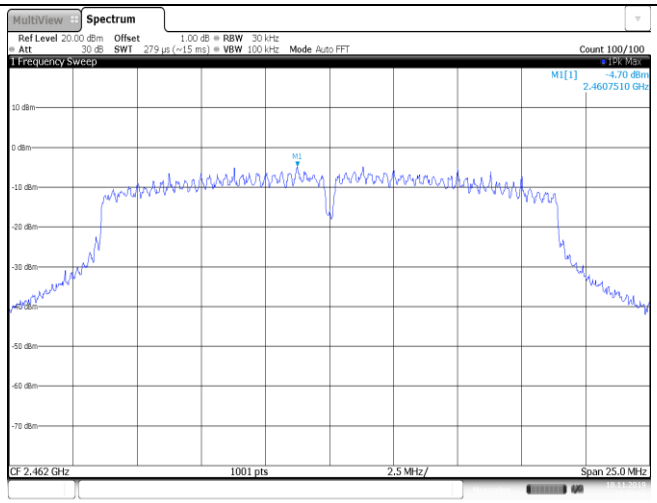
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	17.77	15.82	≤30.00	Pass
	06	17.57	15.63		
	11	16.84	14.38		
802.11g	01	21.04	18.46	≤30.00	Pass
	06	20.53	18.11		
	11	20.11	18.03		
802.11n(HT20)	01	20.37	17.94	≤30.00	Pass
	06	20.40	17.86		
	11	19.43	17.58		

Appendix B：Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	2.56	≤8.00	Pass
	06	2.17		
	11	2.54		
802.11g	01	-4.09	≤8.00	Pass
	06	-3.43		
	11	-4.37		
802.11n(HT20)	01	-4.58	≤8.00	Pass
	06	-3.90		
	11	-4.70		

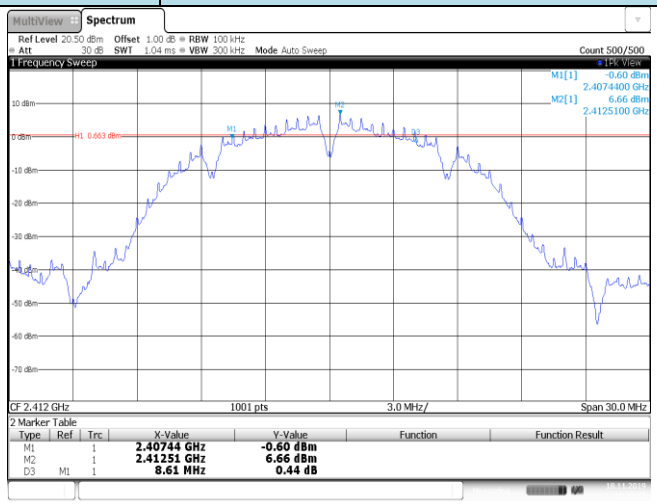
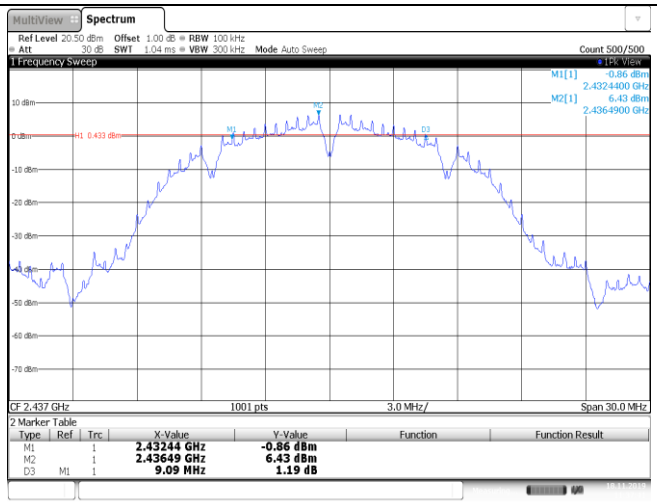
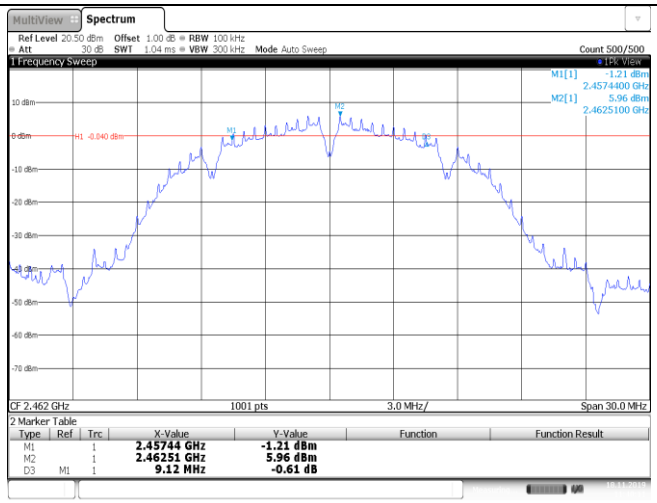
Type:	802.11 b
CH01	
CH06	
CH11	

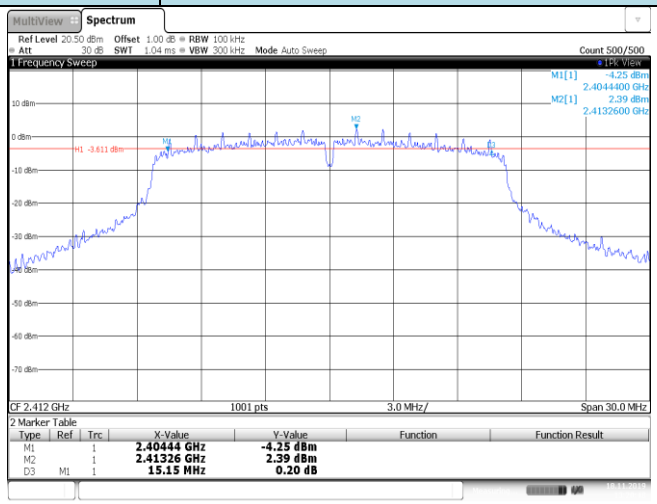
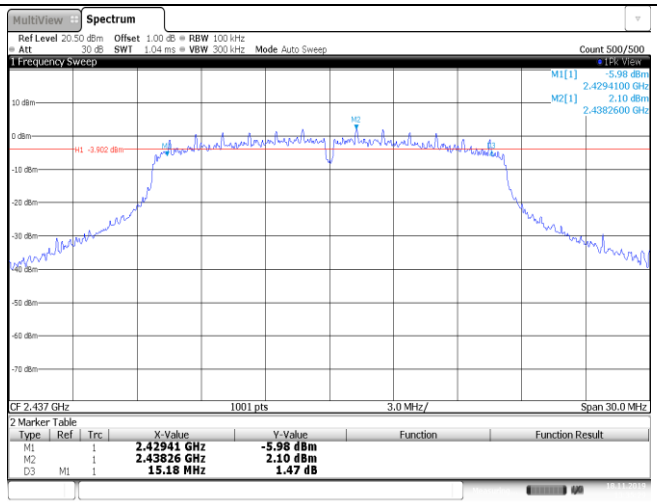
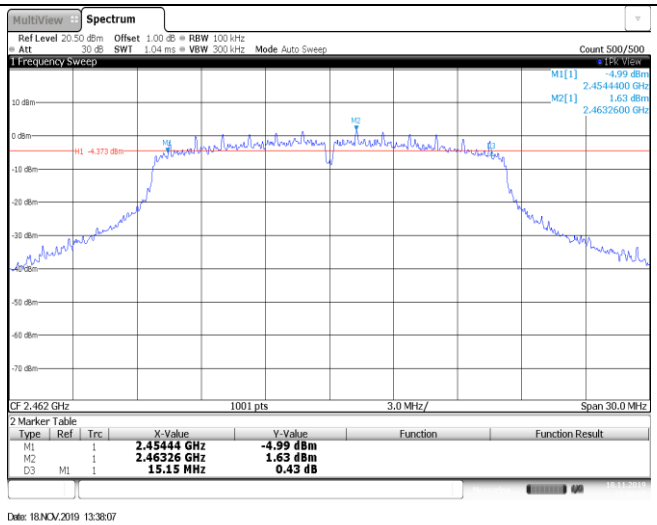
Type:	802.11 g
CH01	
CH06	
CH11	

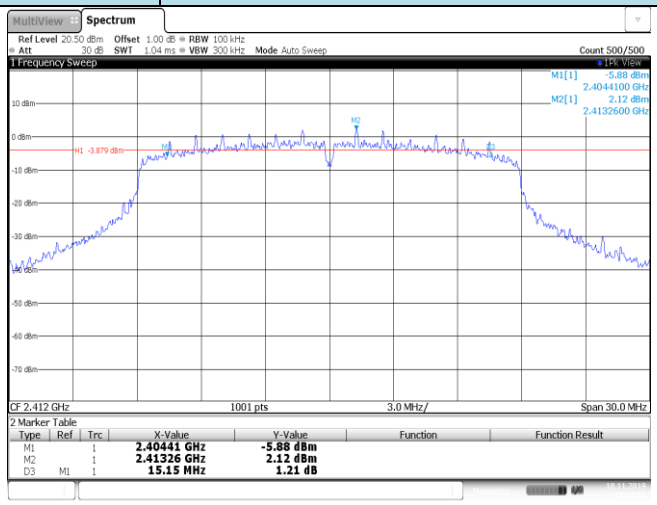
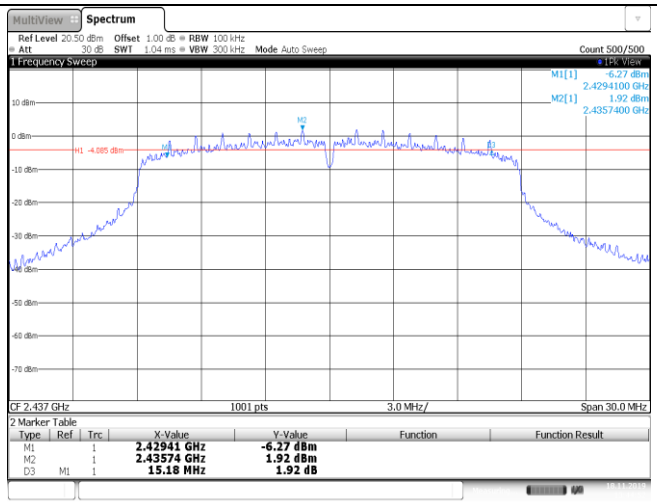
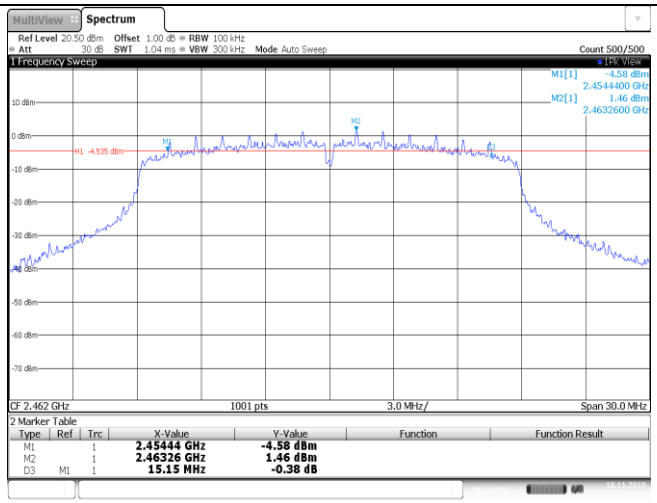
Type:	802.11n(HT20)
CH01	
CH06	
CH11	

Appendix C：6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	8.61	≥500	Pass
	06	9.09		
	11	9.12		
802.11g	01	15.15	≥500	Pass
	06	15.18		
	11	15.15		
802.11n(HT20)	01	15.15	≥500	Pass
	06	15.18		
	11	15.15		

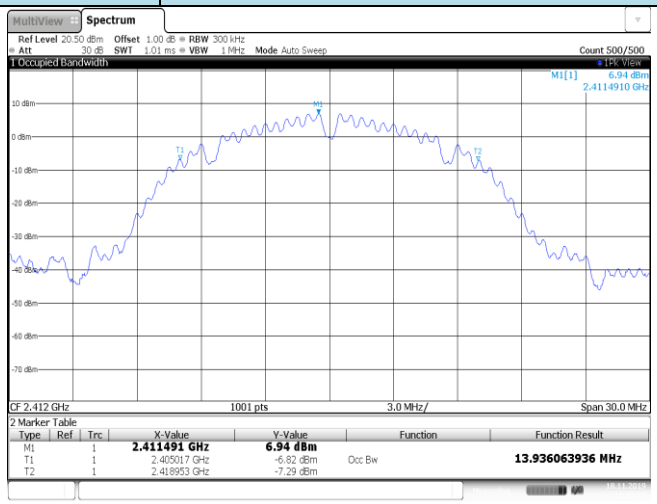
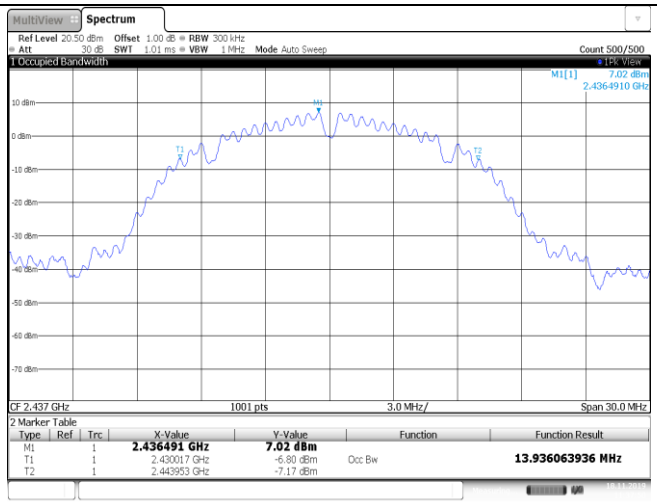
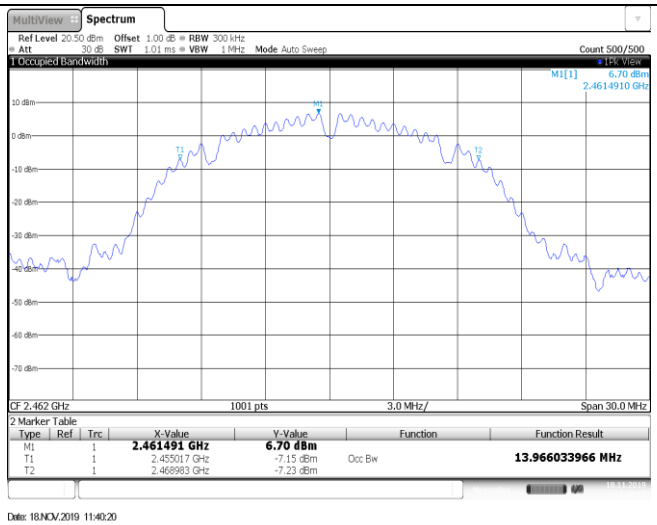
Type:	802.11 b
CH01	
CH06	
CH11	

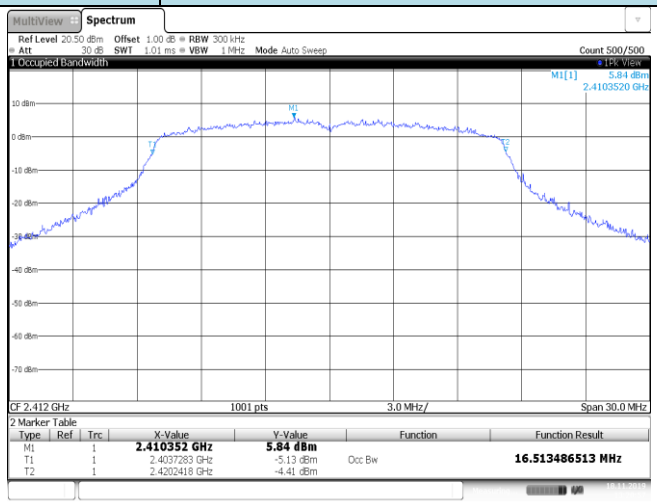
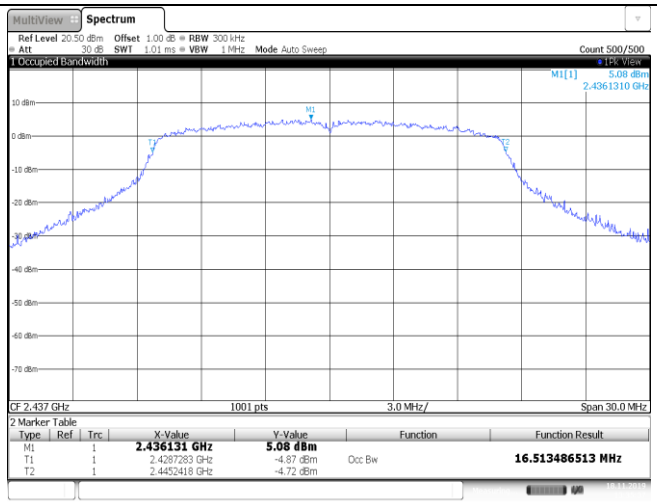
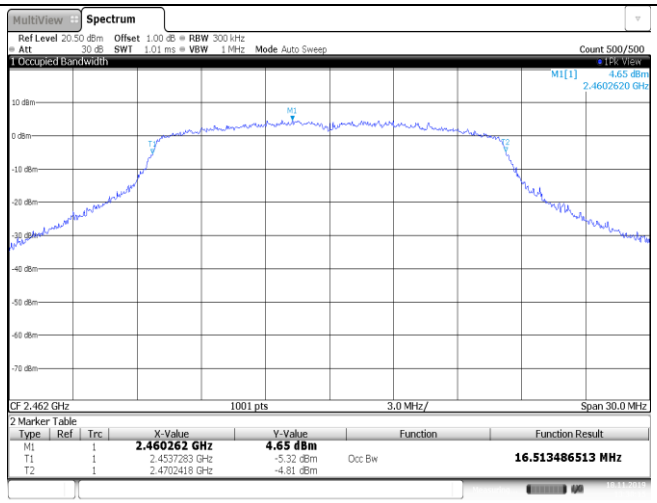
Type:	802.11 g
CH01	
CH06	
CH11	

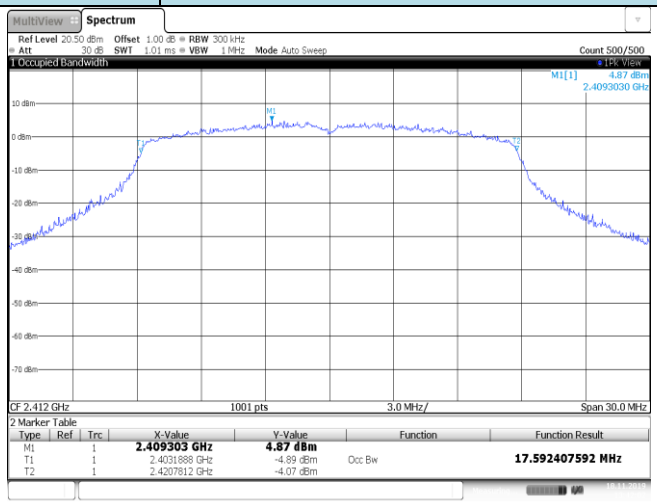
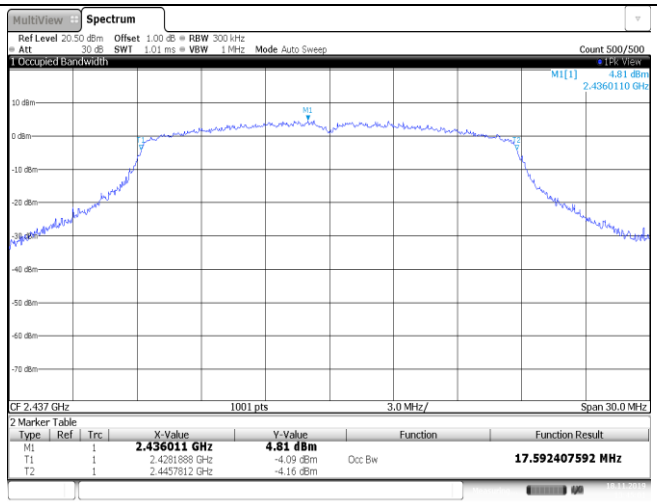
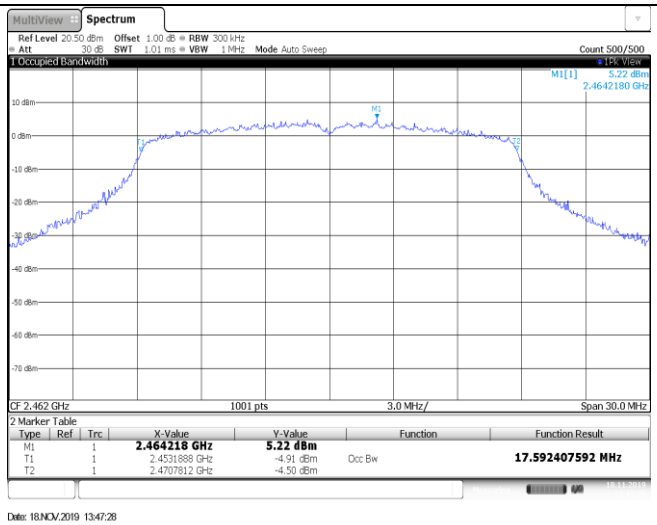
Type:	802.11n(HT20)
CH01	
CH06	
CH11	

Appendix D：99% Occupied Bandwidth

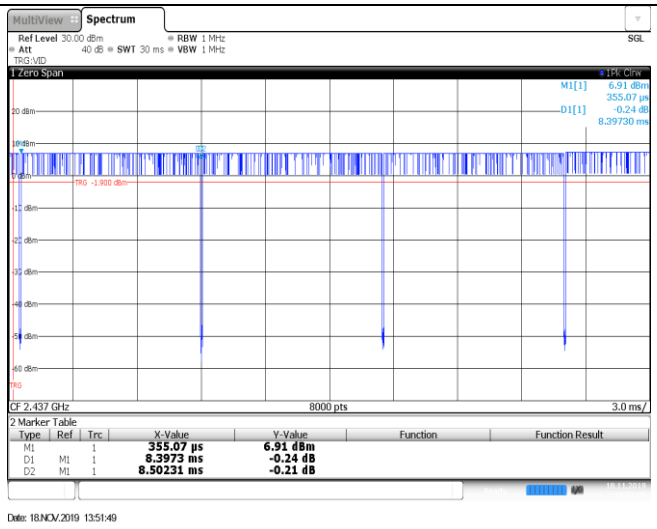
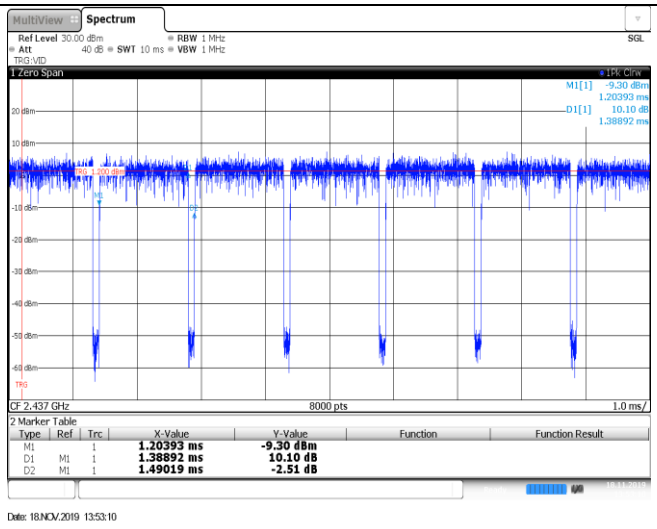
Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	13.94	≥500	Pass
	06	13.94		
	11	13.97		
802.11g	01	16.51	≥500	Pass
	06	16.51		
	11	16.51		
802.11n(HT20)	01	17.59	≥500	Pass
	06	17.59		
	11	17.59		

Type:	802.11 b
CH01	
CH06	
CH11	

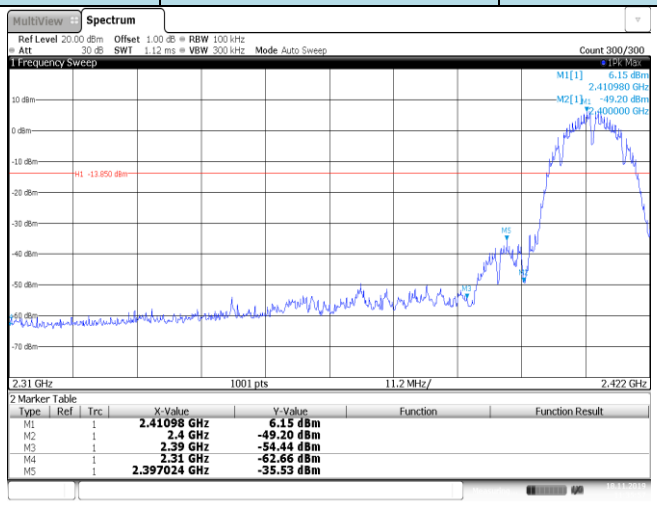
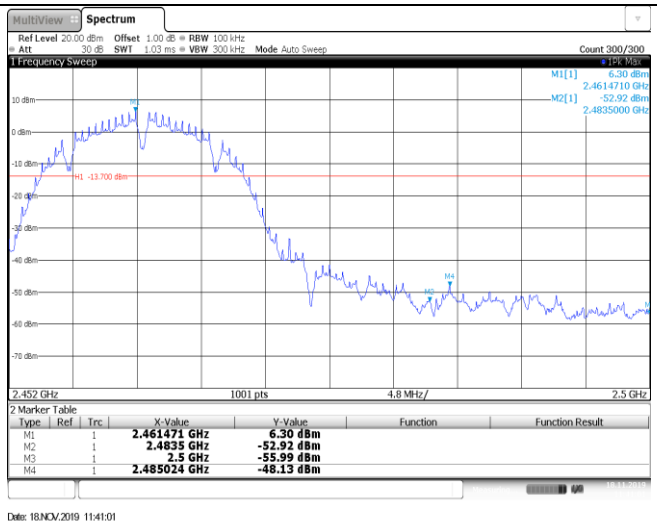
Type:	802.11 g
CH01	
CH06	
CH11	

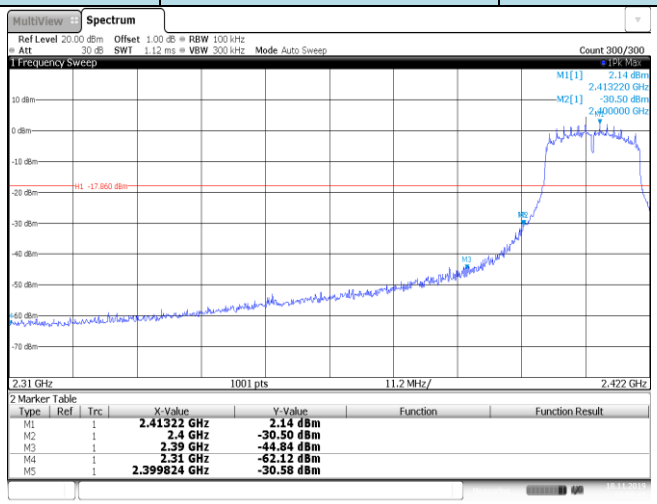
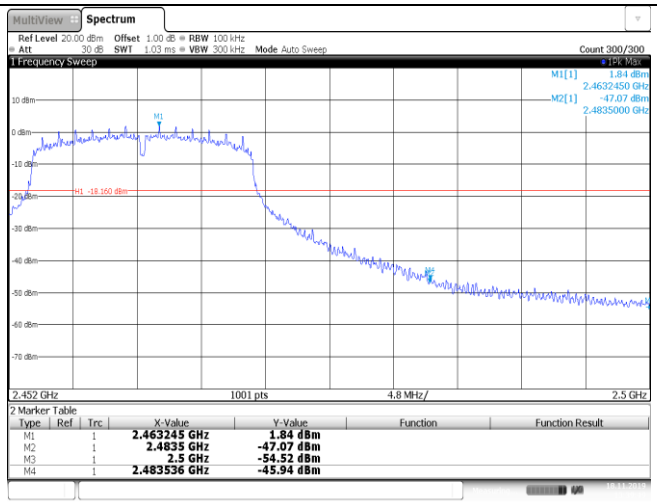
Type:	802.11n(HT20)
CH01	
CH06	
CH11	

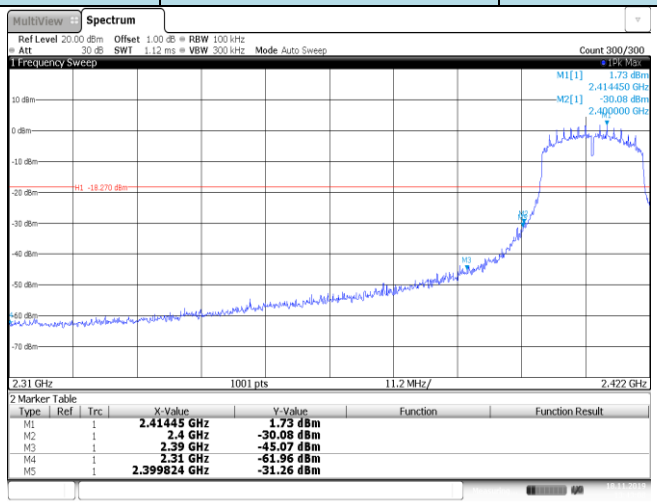
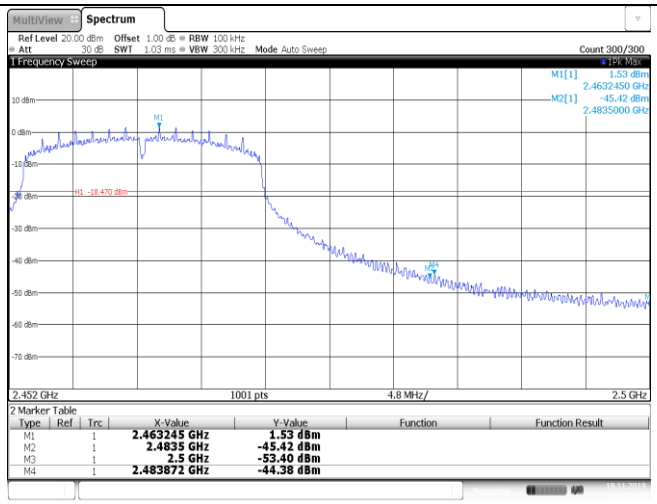
Appendix E：Duty Cycle

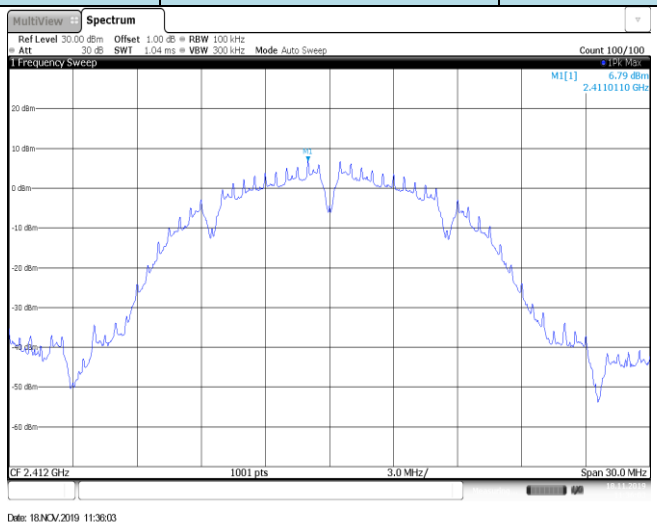
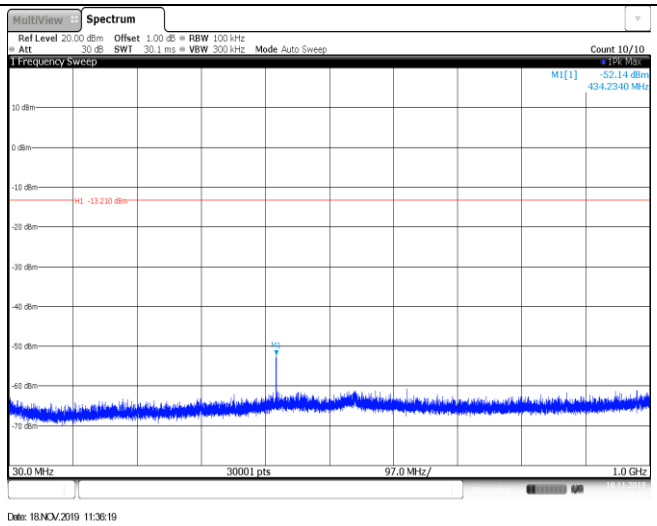
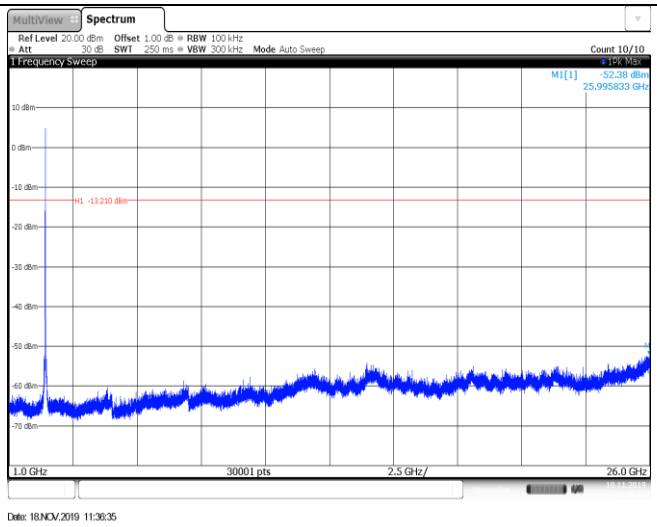
11b-CH6	
11g-CH6	

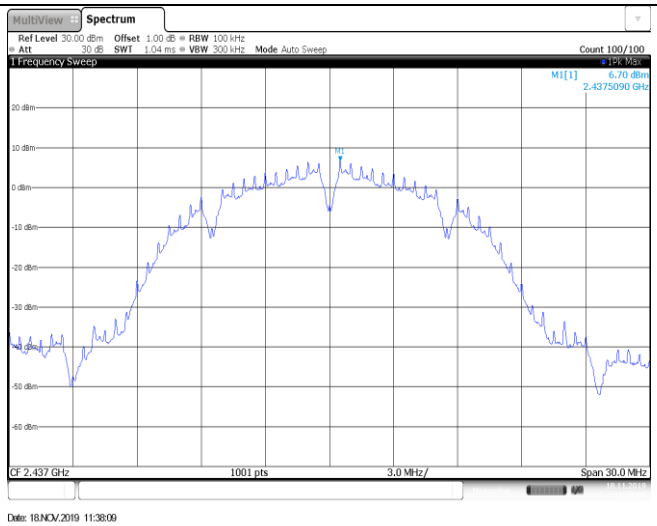
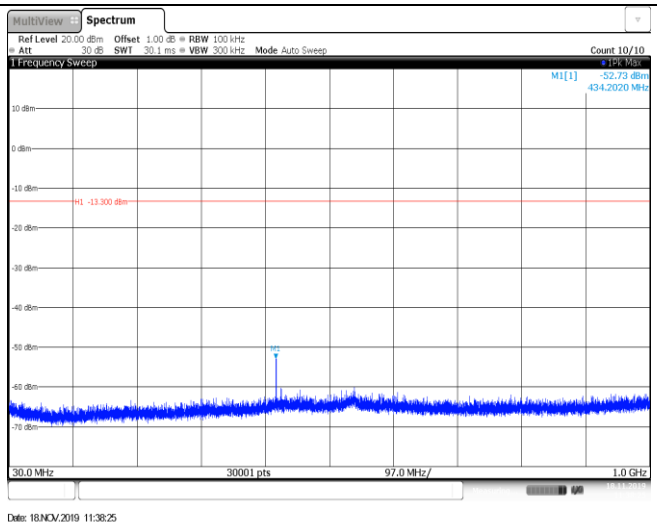
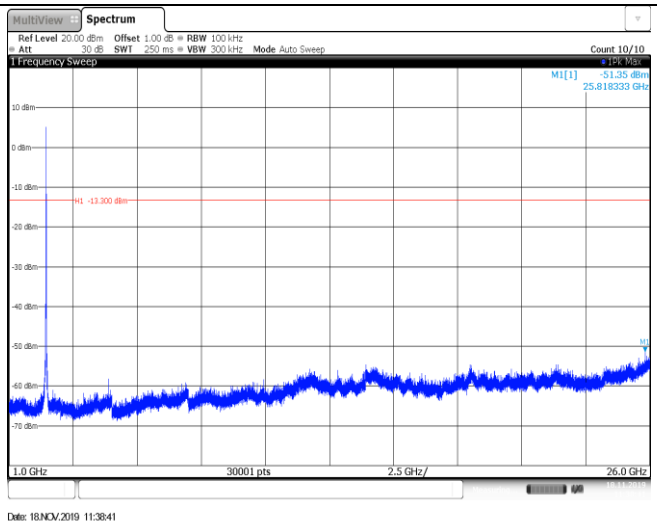
Appendix F：Band edge and Spurious Emissions (conducted)

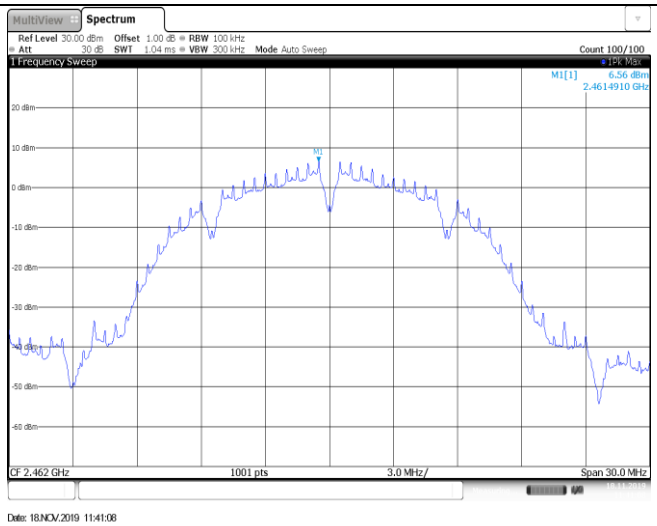
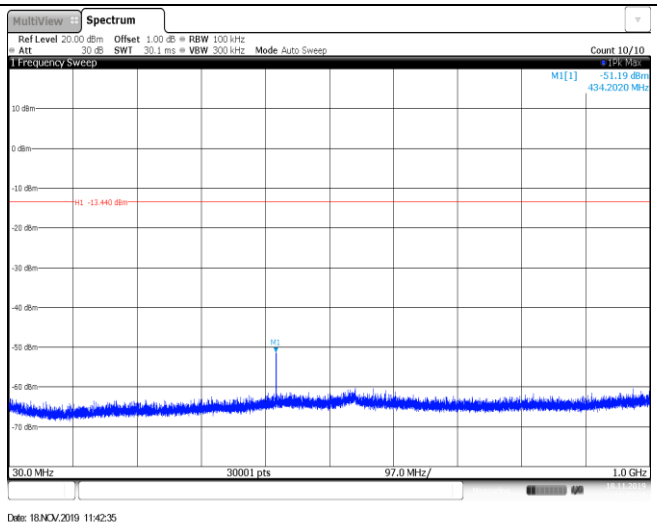
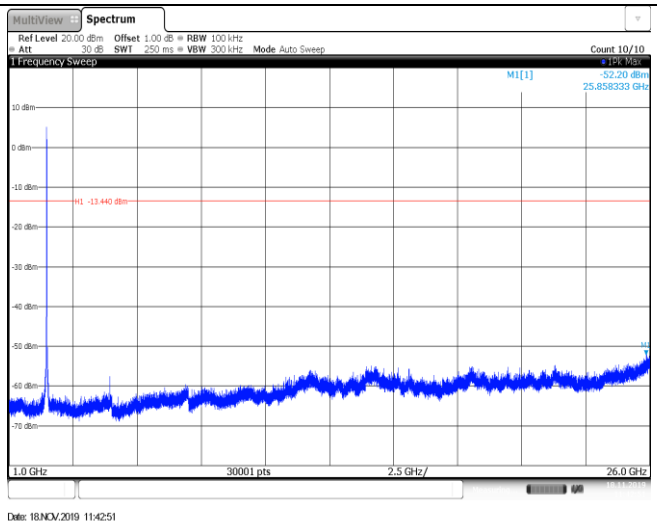
Test Item:	Bandedge	Type:	802.11 b
CH01			
CH11			

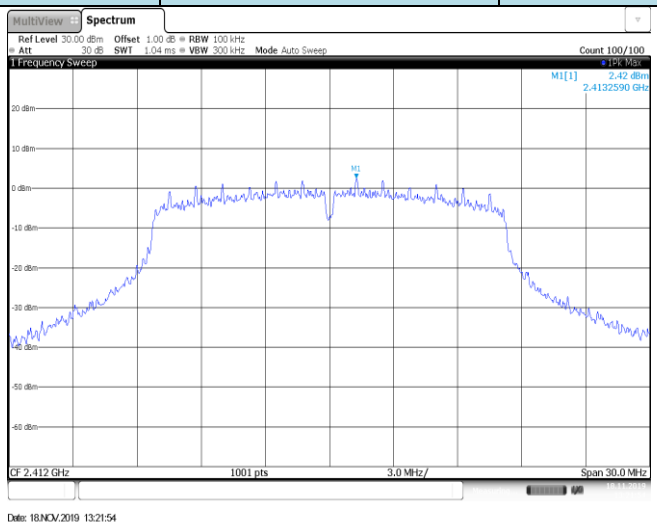
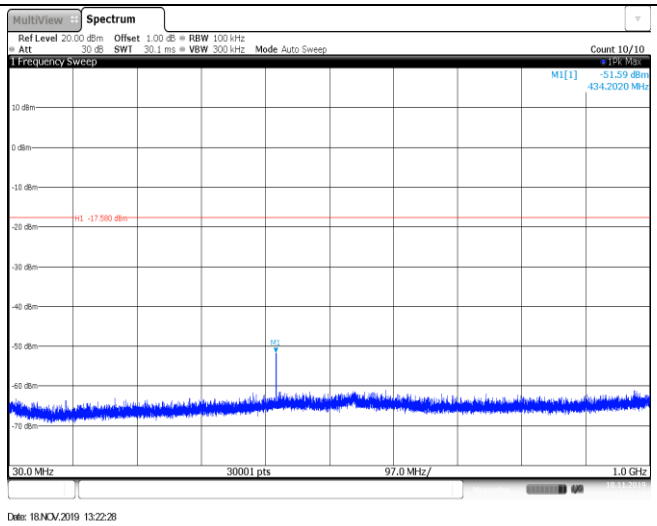
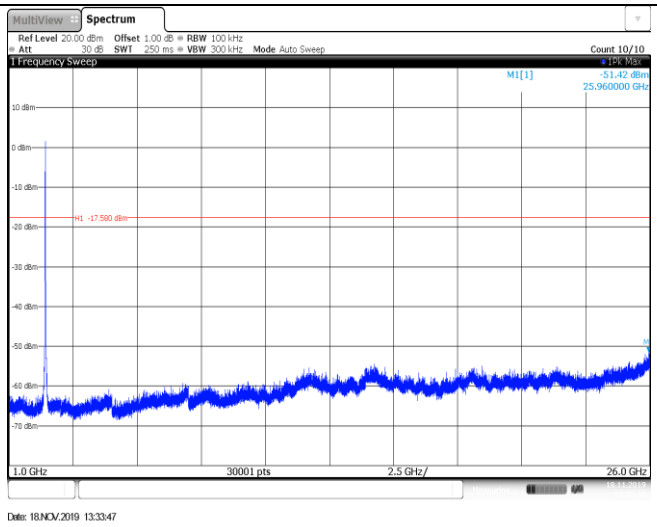
Test Item:	Bandedge	Type:	802.11 g
CH01			
CH11			

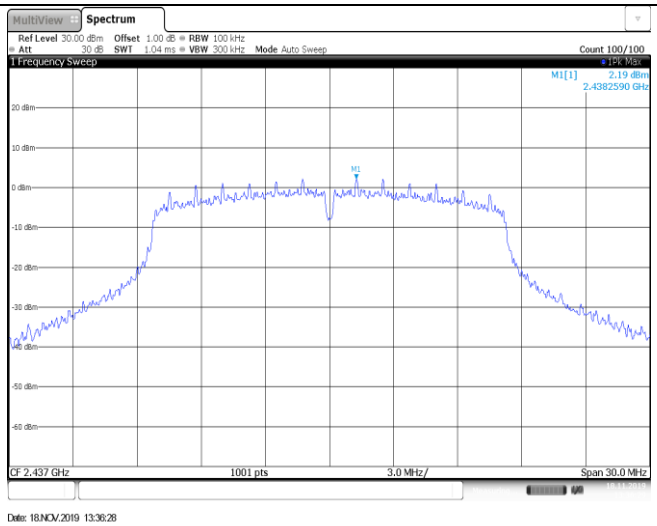
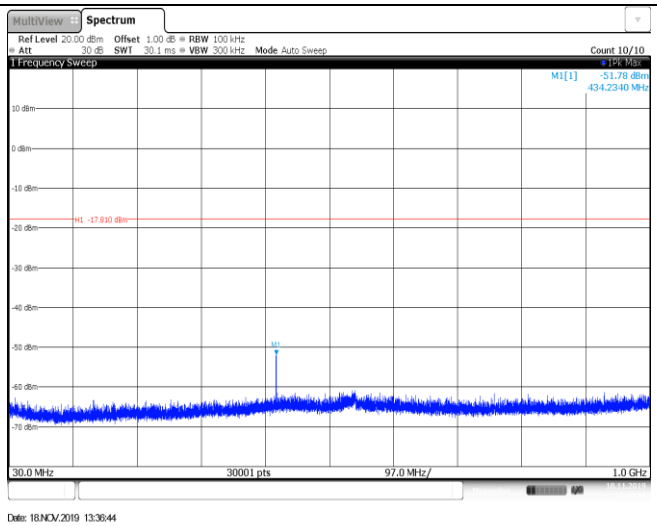
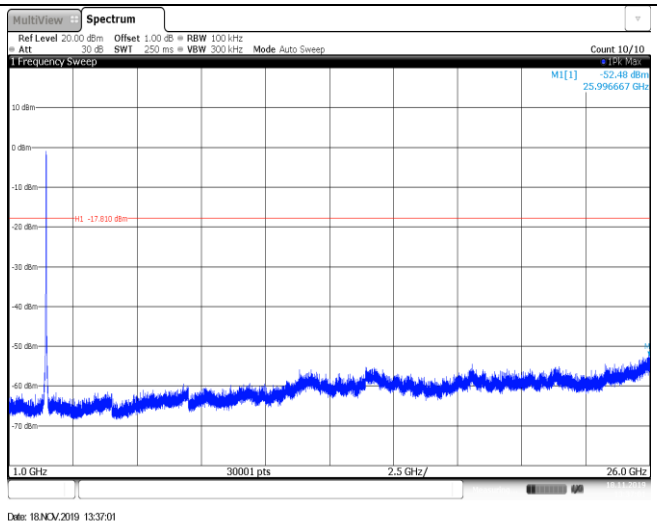
Test Item:	Bandedge	Type:	802.11 n(HT20)
CH01			
CH11			

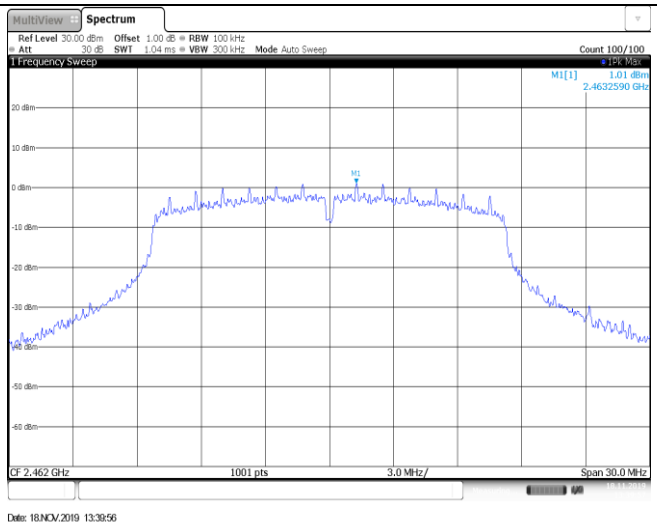
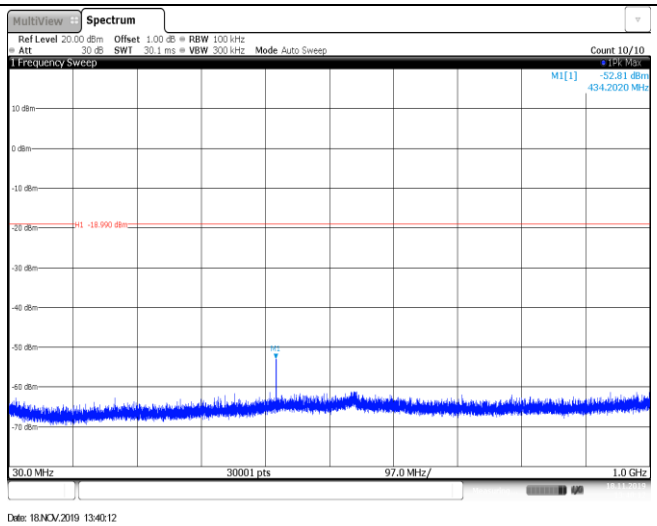
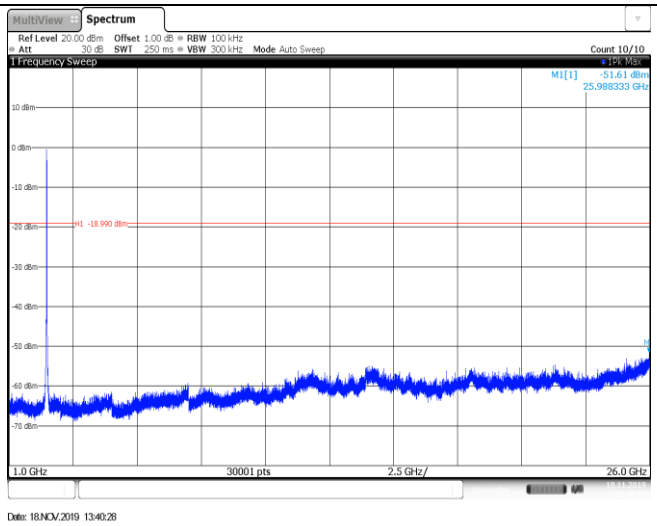
Test Item:	SE	Type:	802.11 b
CH01 Reference level			
CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

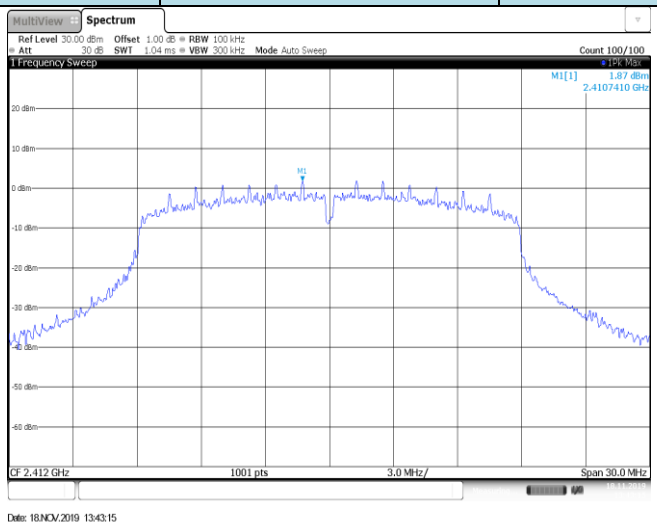
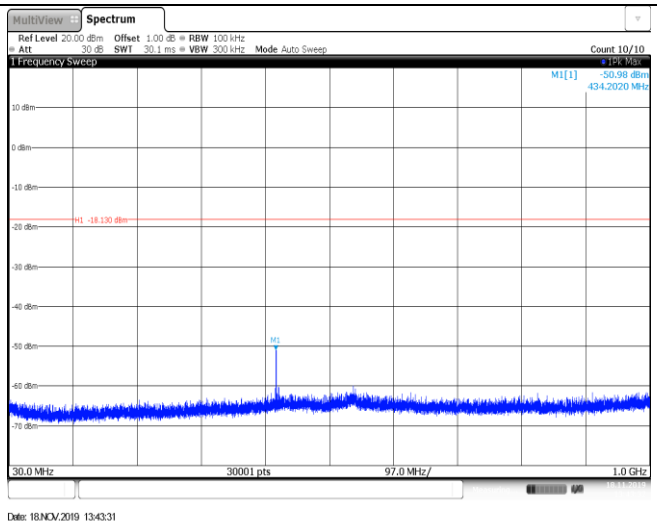
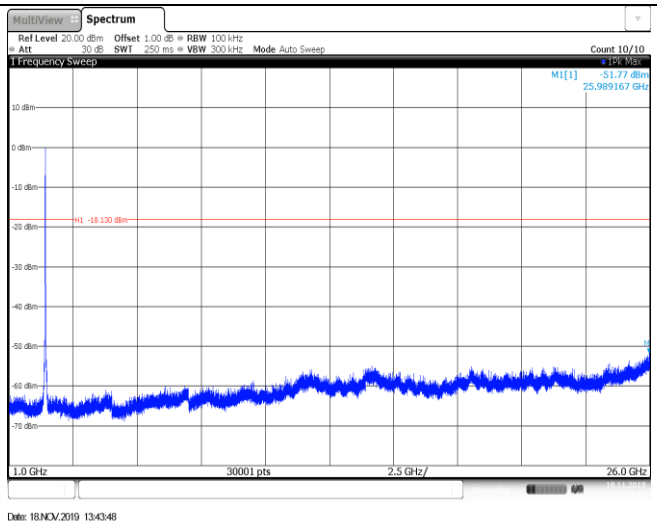
CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

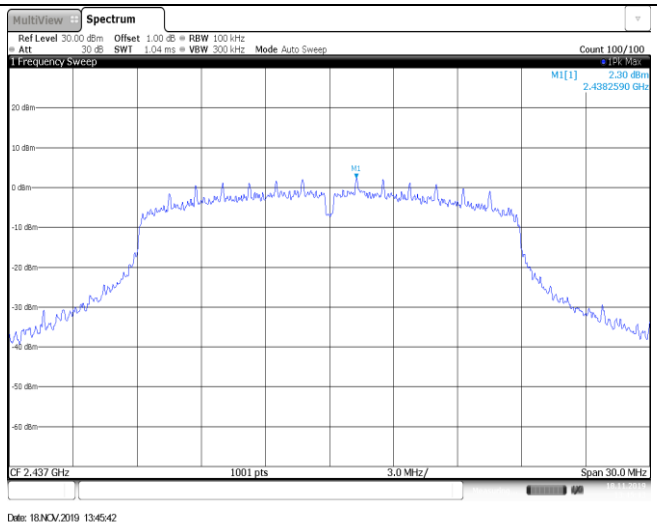
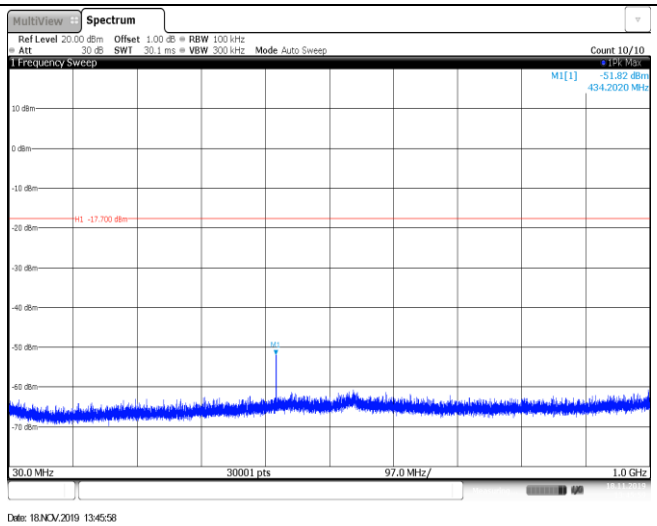
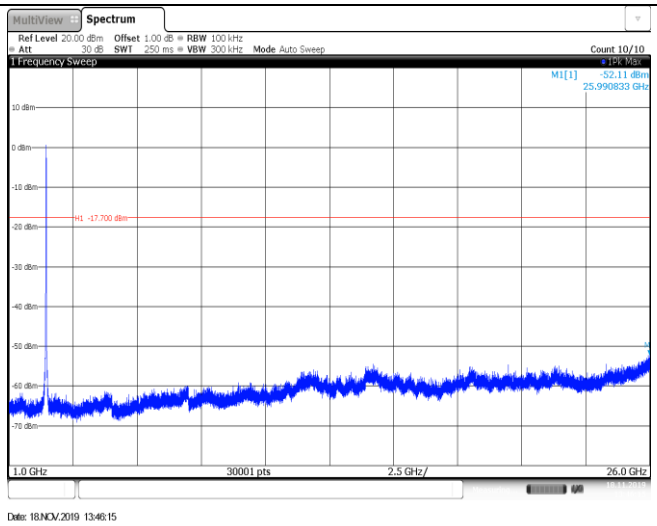
CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

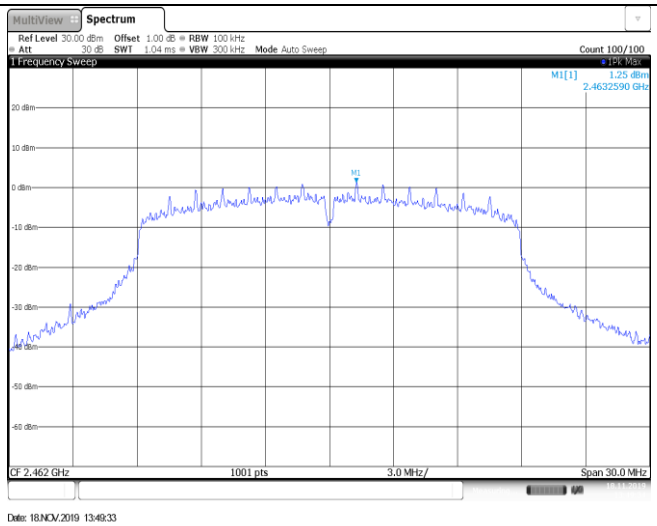
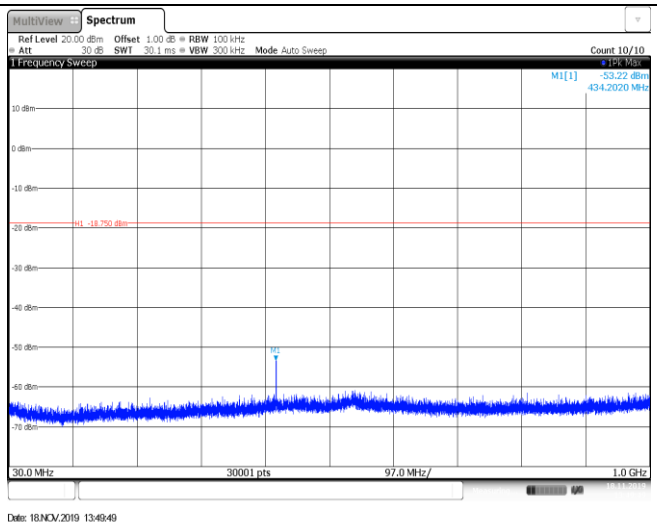
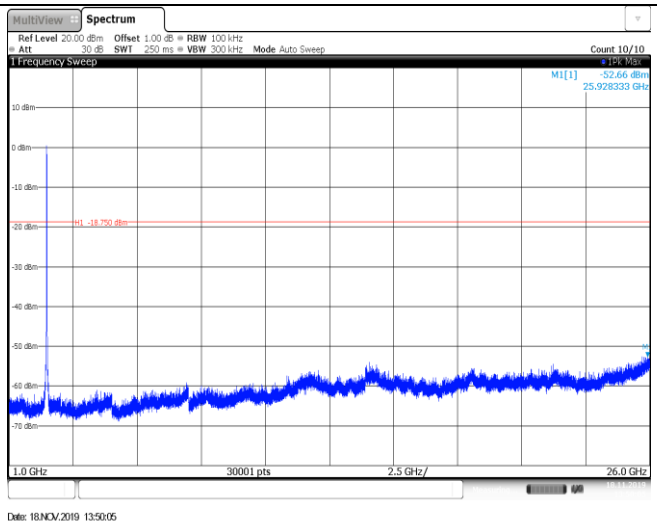
Test Item:	SE	Type:	802.11 g
CH01 Reference level			
CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

Test Item:	SE	Type:	802.11 n(HT20)
CH01 Reference level			
CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

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