APPENDIX REPORT

Project No.	SHT2209117101EW	Radio Specification	WIFI 2.4G
Model No.	C10		
Start test date	2022-10-13	Finish date	2022-10-13
Temperature	24.4℃	Humidity	33%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhao

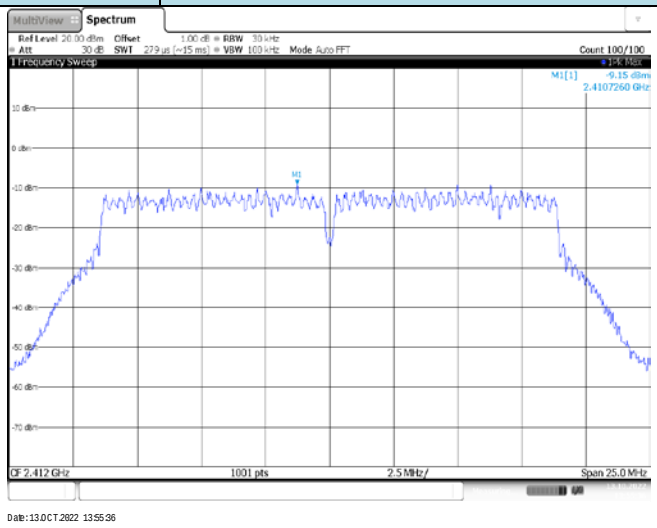
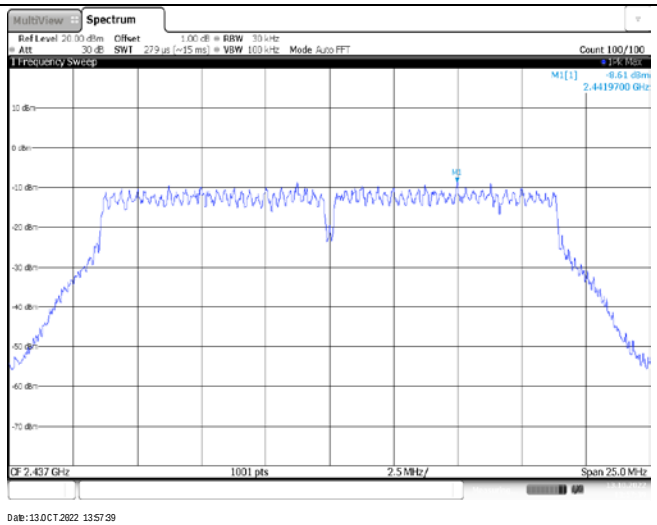
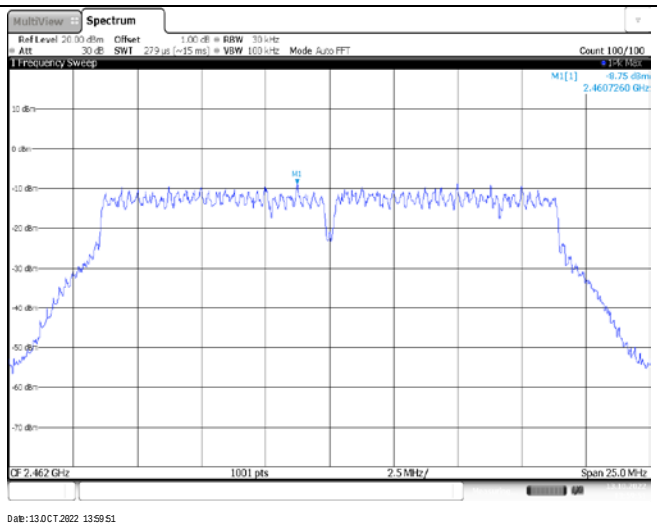
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A：Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11n (HT20)	01	15.70	13.16	≤ 30.00	Pass
	06	15.84	13.36		
	11	15.70	13.02		

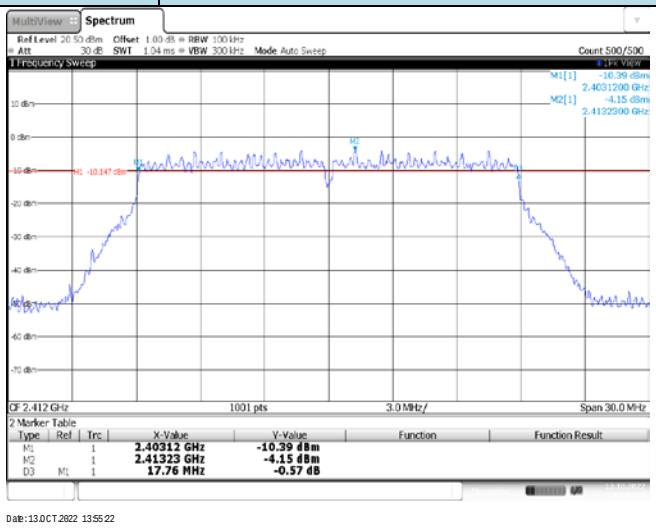
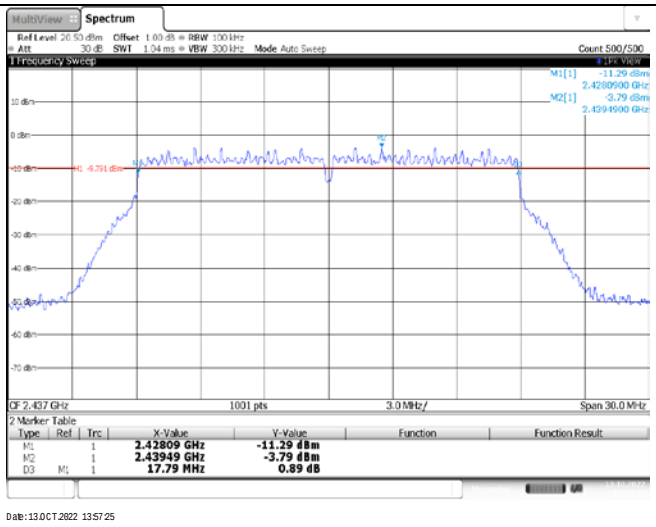
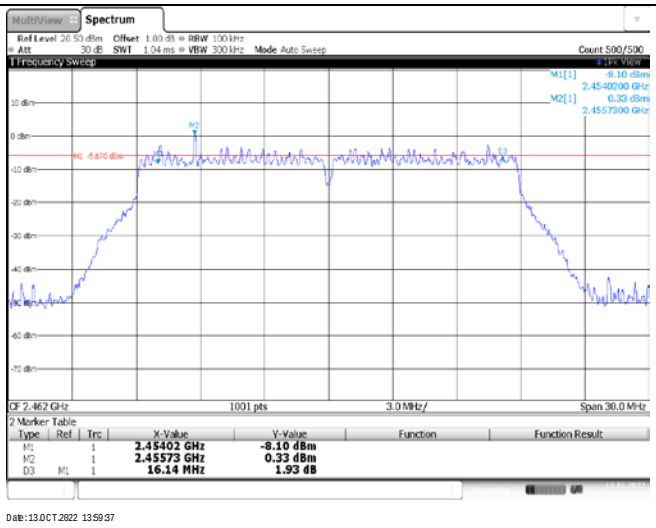
Appendix B：Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11n(HT20)	01	-9.15	≤8.00	Pass
	06	-8.61		
	11	-8.75		

Type:	**802.11n(HT20)**
CH01	
CH06	
CH11	

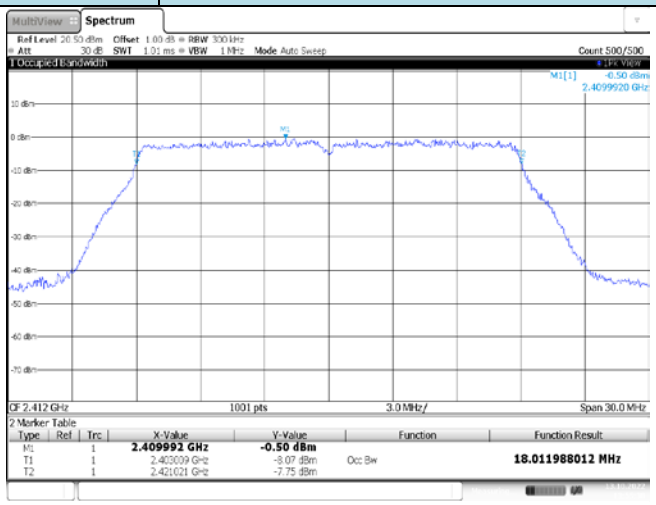
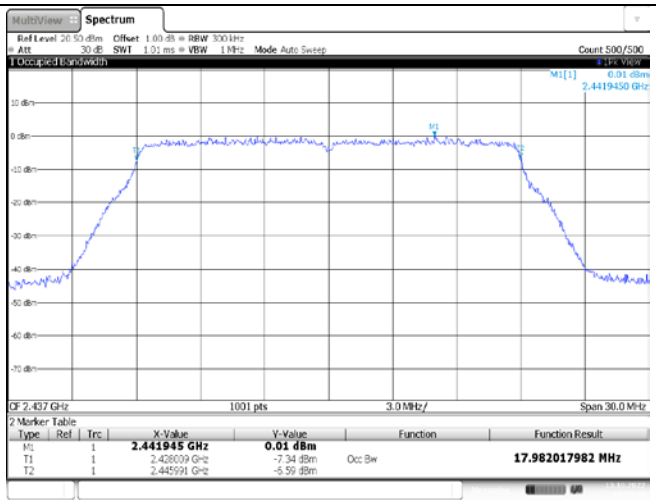
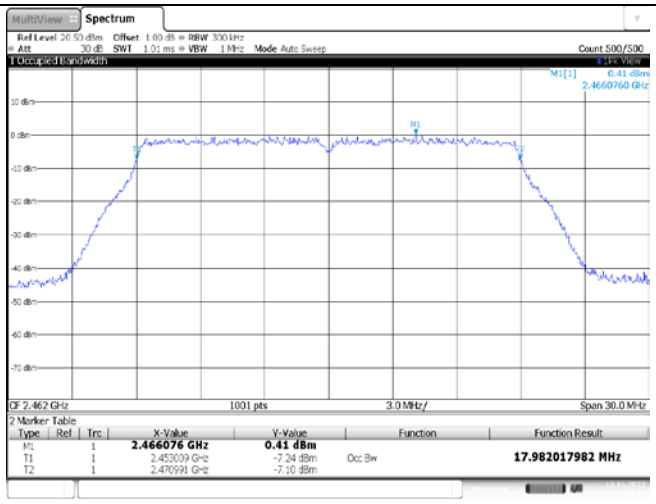
Appendix C：6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11n(HT20)	01	17.76	≥0.5	Pass
	06	17.79		
	11	16.14		

Type:	**802.11n(HT20)**
CH01	
CH06	
CH11	

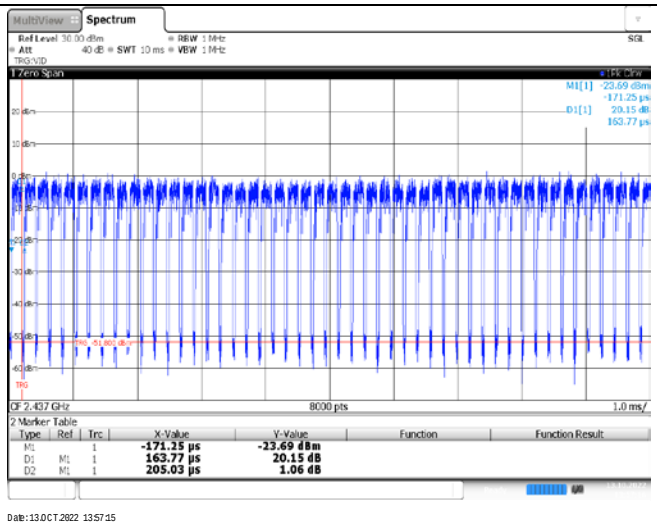
Appendix D：99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11n(HT20)	01	18.01	-	Pass
	06	17.98		
	11	17.98		

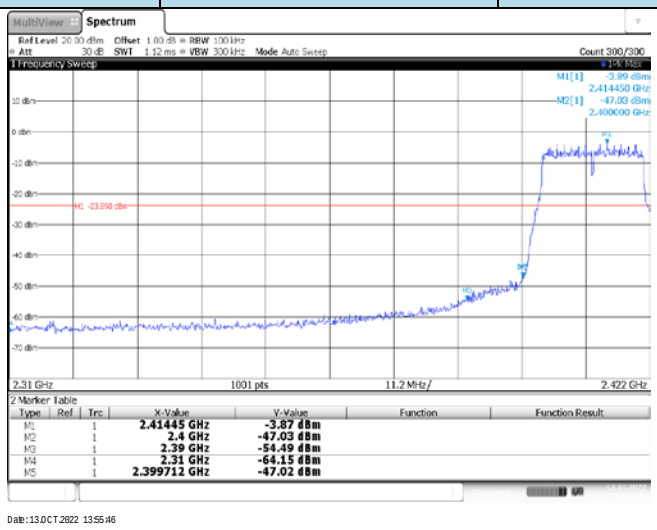
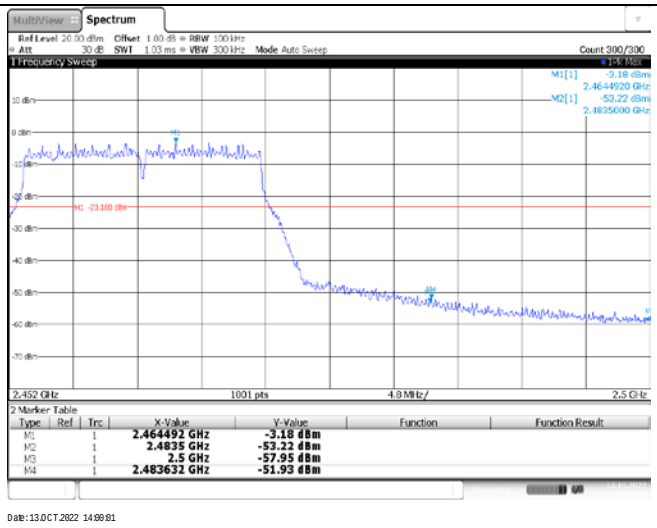
Type:	802.11n(HT20)
CH01	
CH06	
CH11	

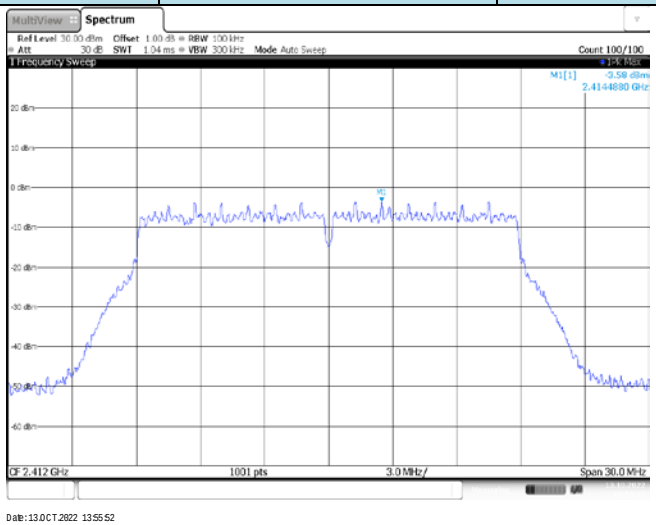
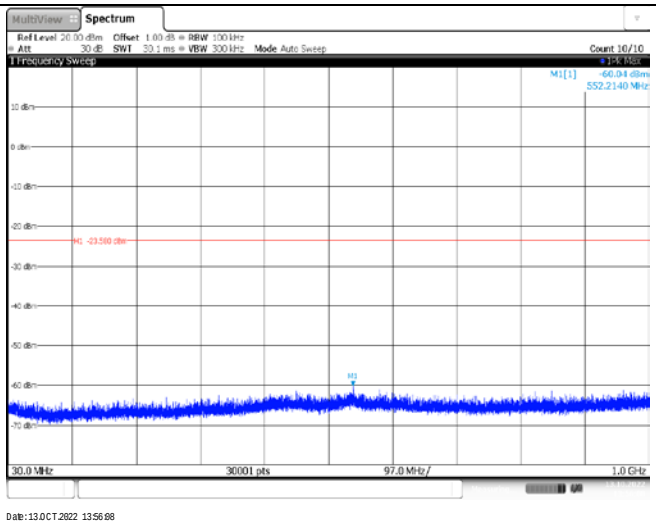
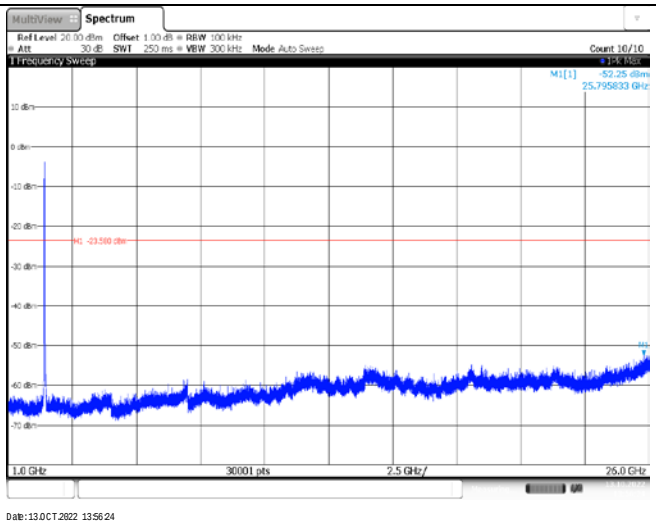
Appendix E：Duty Cycle

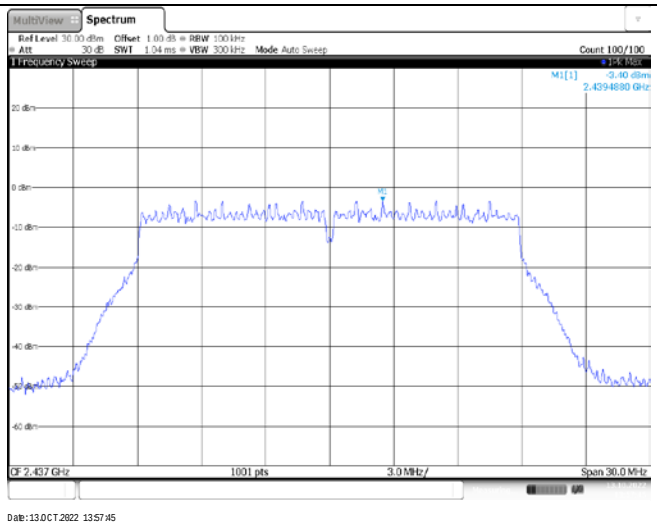
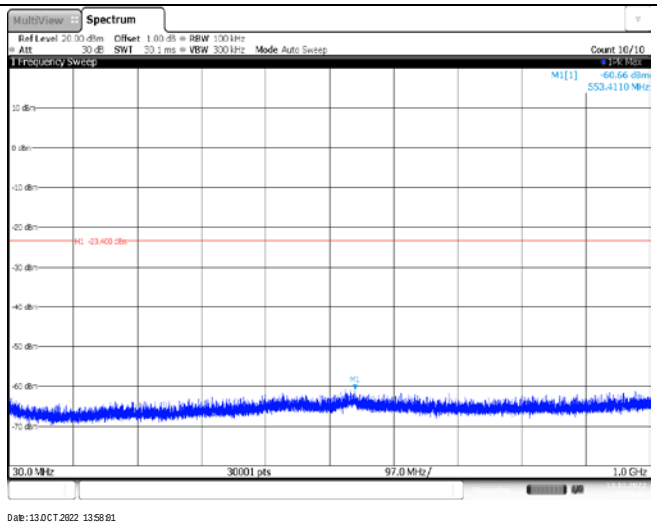
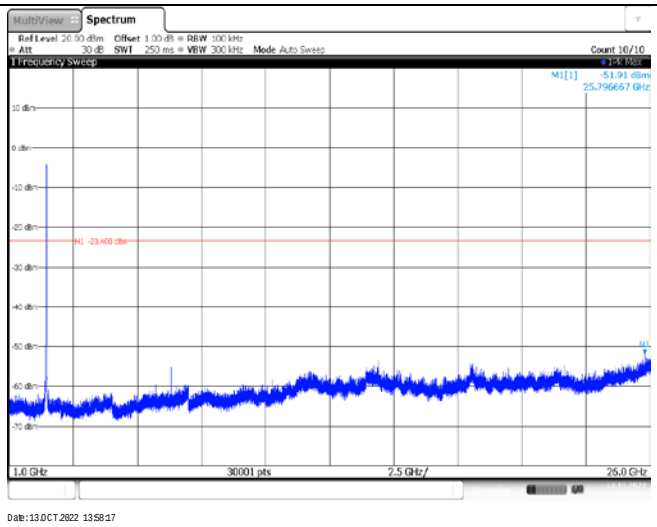
Modulation Type	Test Frequency（MHz）	$T_{on\ time}$ for single burst (ms)	T_{period} (ms)	Duty cycle	$1/T_{on\ time}$ (kHz)
11n20	2437	0.16	0.21	76.2%	6.3

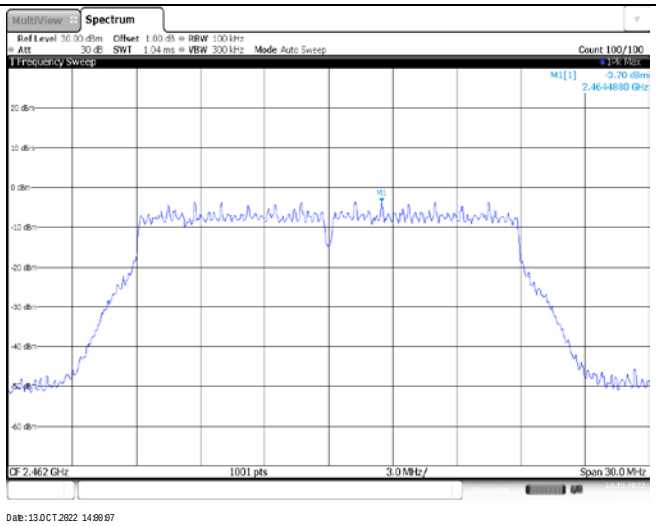
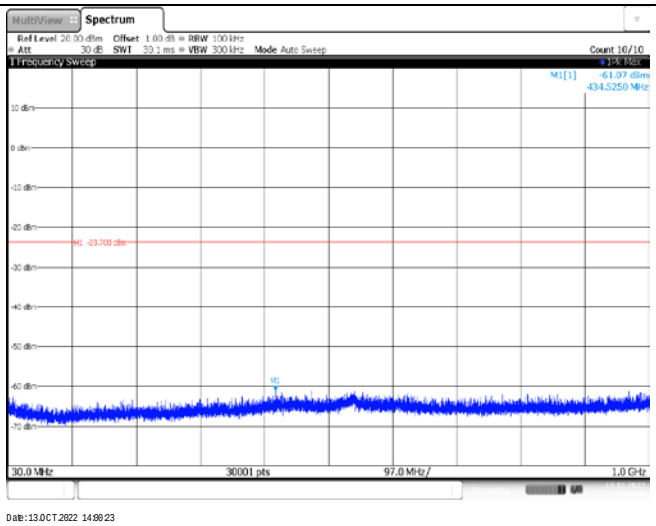
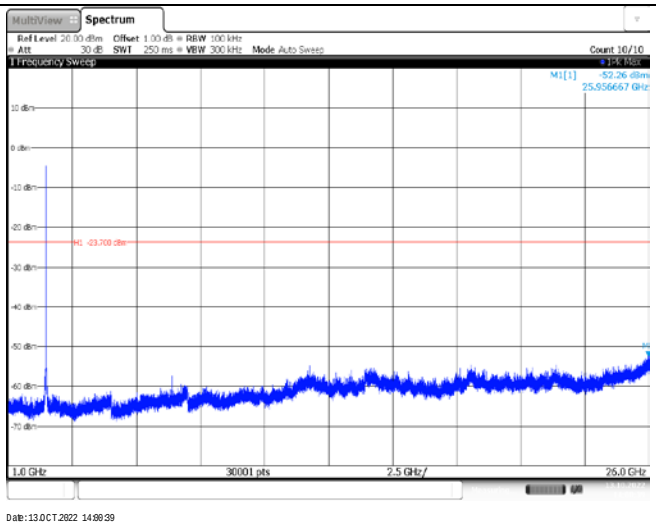
11n20	

Appendix F：Band edge and Spurious Emissions (conducted)

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

Test Item:	Spurious Emissions	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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