

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 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
802.11n (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	Date: 13/OCT/2022 13:55:36
CH06	Date: 13/OCT/2022 13:57:39
CH11	Date: 13/OCT/2022 13:59:51

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	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB = RBW 100 kHz Att 30.0 dB SWI 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 500/500 6.1 Hz View 1 Frequency Sweep

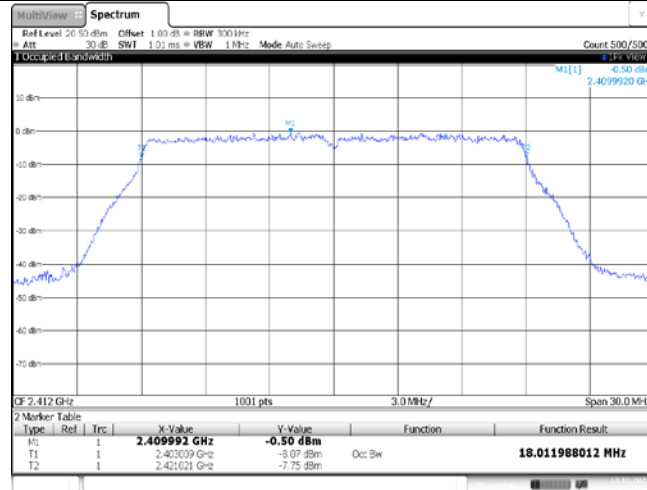
Appendix D: 99% Occupied Bandwidth

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

Type:

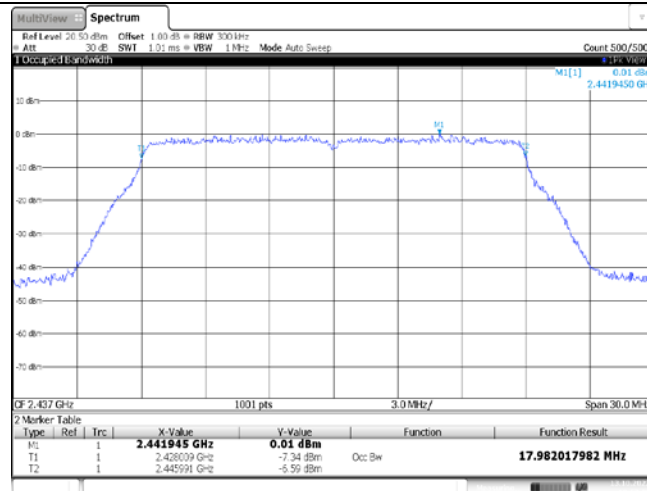
802.11n(HT20)

CH01



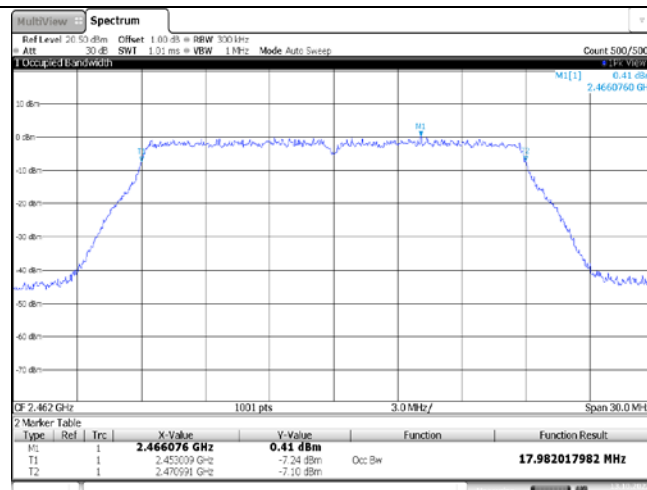
Date:13.OCT.2022 13:55:38

CH06



Date:13.OCT.2022 13:57:33

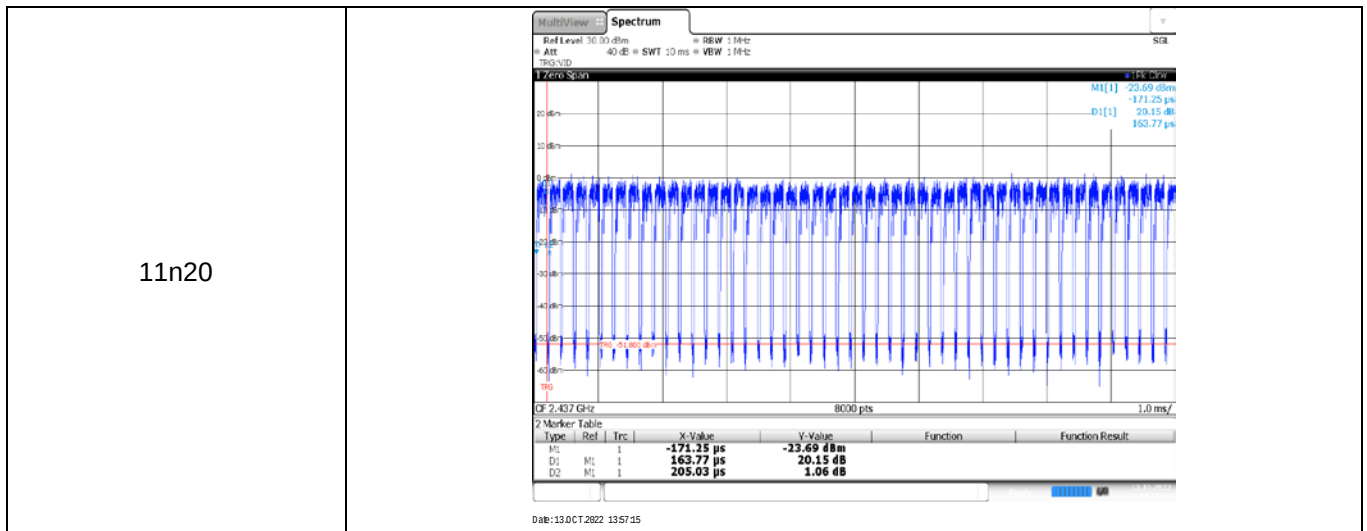
CH11



Date:13.OCT.2022 13:59:45

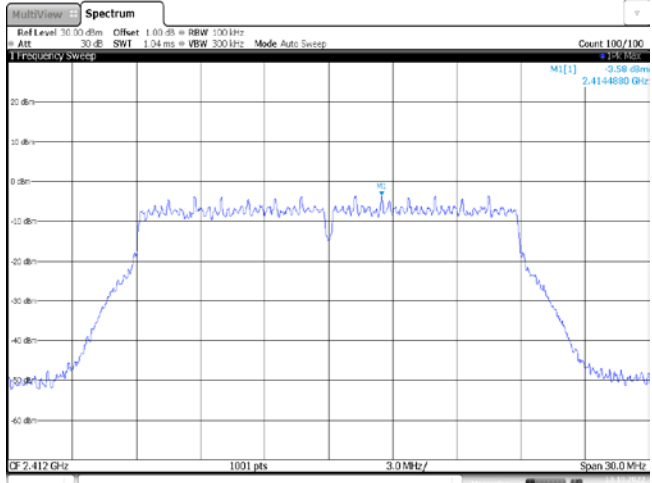
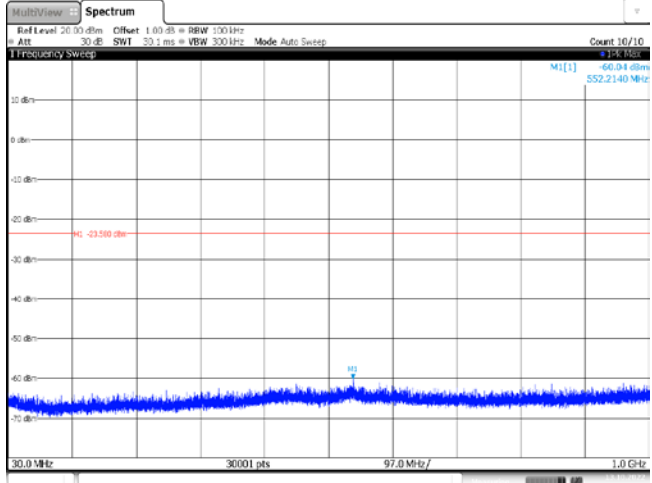
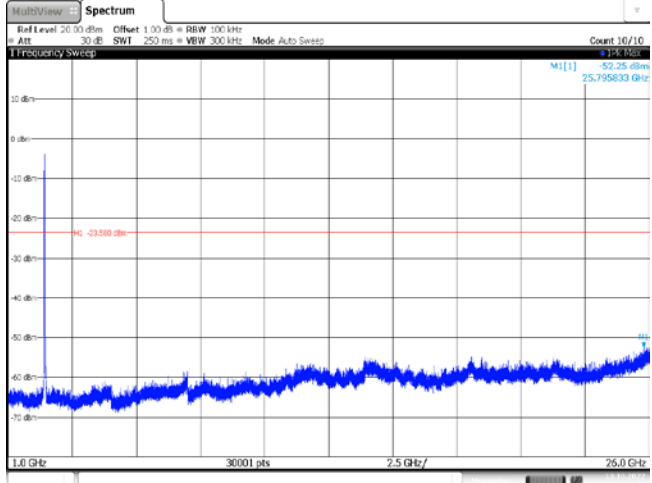
Appendix E: Duty Cycle

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

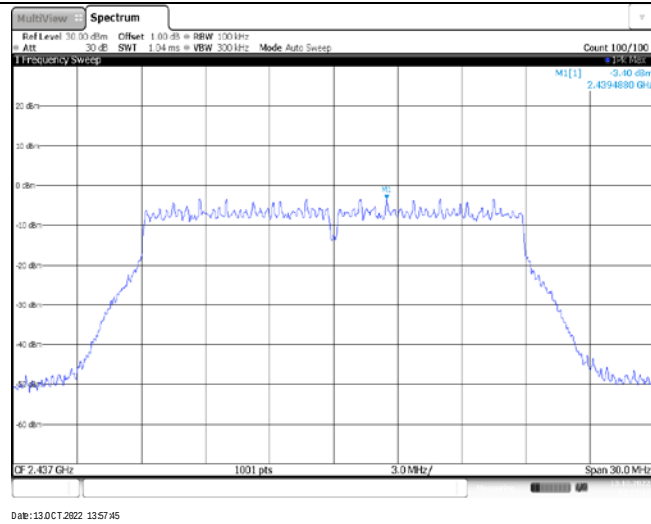


Appendix F: Band edge and Spurious Emissions (conducted)

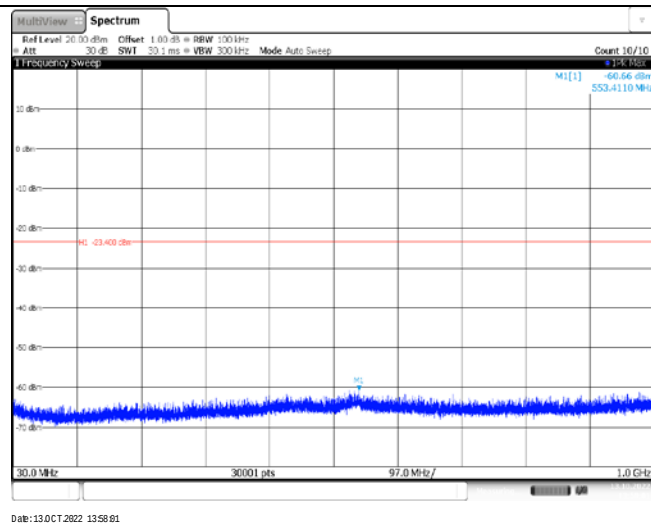
Test Item:	Bandedge	Type:	802.11 n(HT20)
CH01			

Test Item:	Spurious Emissions	Type:	802.11 n(HT20)
CH01 Reference level	 CH01 Reference level Date:13/OCT/2022 13:55:52		
CH01 30MHz~1000MHz	 CH01 30MHz~1000MHz Date:13/OCT/2022 13:56:08		
CH01 1GHz~26GHz	 CH01 1GHz~26GHz Date:13/OCT/2022 13:56:24		

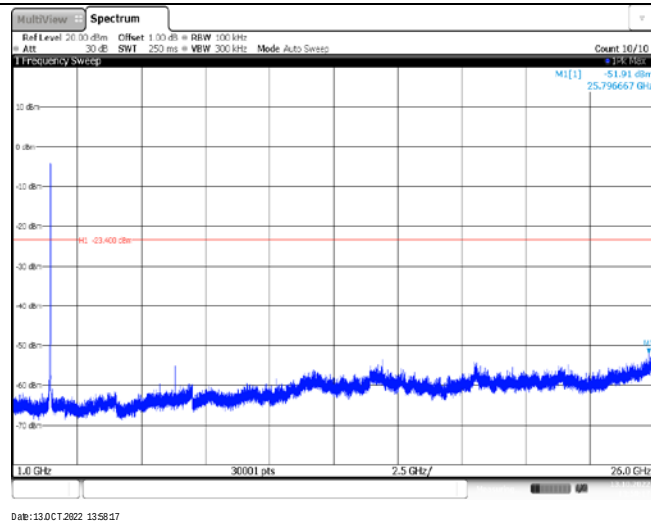
CH06
Reference level

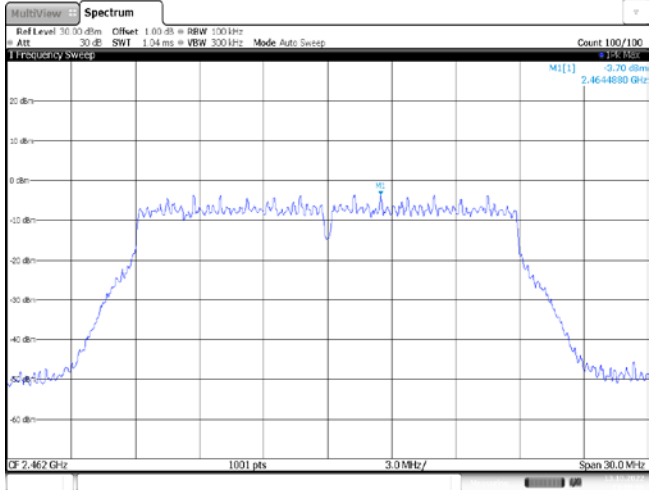
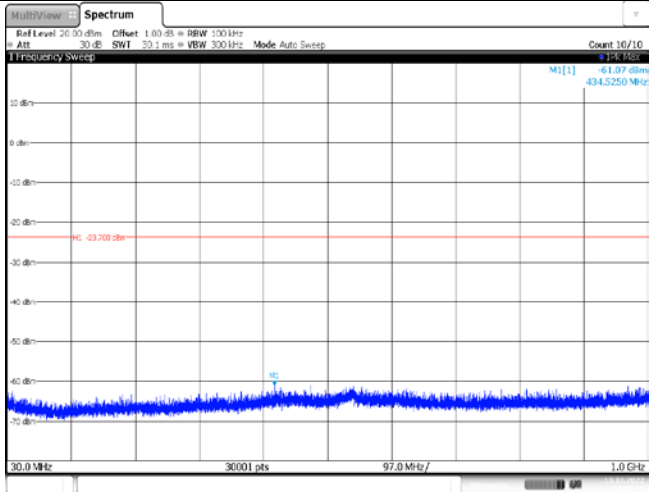
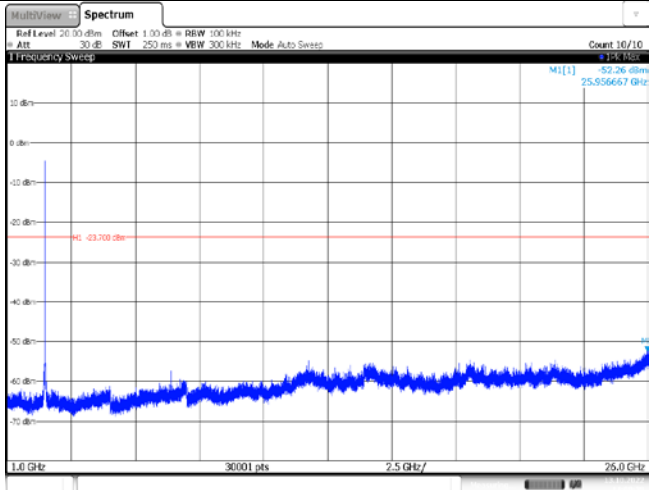


CH06
30MHz~1000MHz



CH06
1GHz~26GHz



CH11 Reference level	 13 OCT 2022 14:08:07
CH11 30MHz~1000MHz	 13 OCT 2022 14:08:23
CH11 1GHz~26GHz	 13 OCT 2022 14:08:39

-----End of Report-----