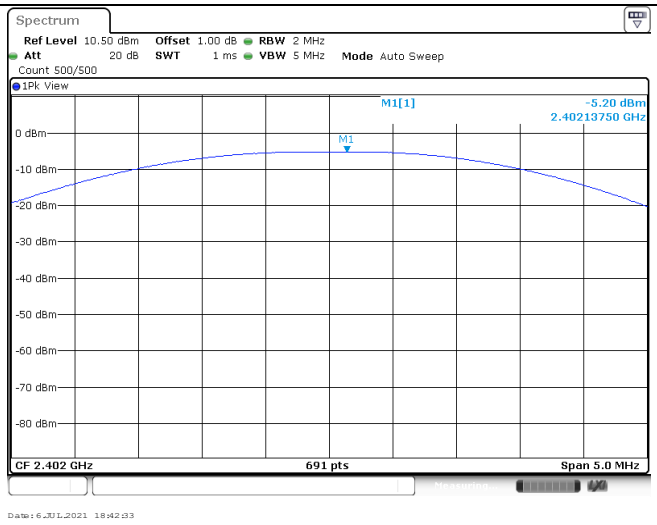
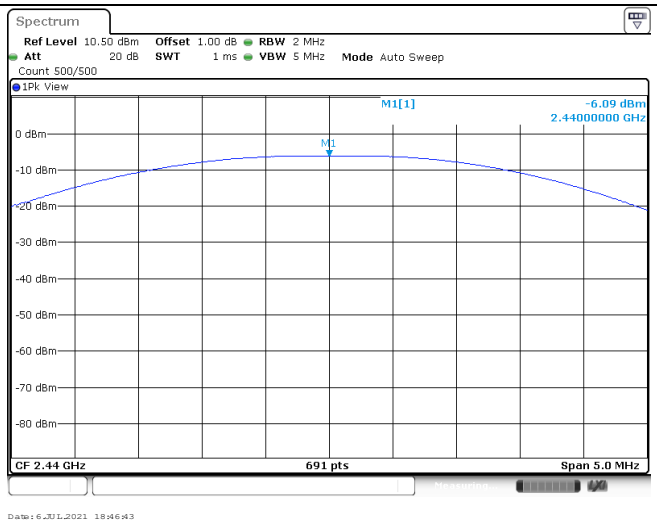
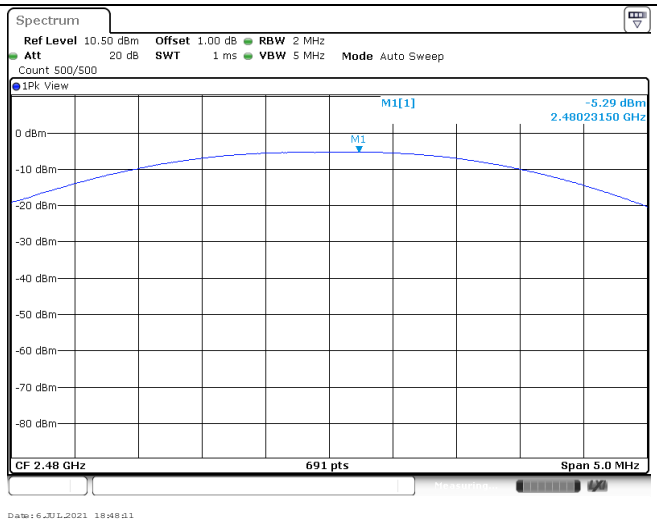
APPENDIX REPORT

Project No.	SHT2107001003EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT21070010040	Model No.	E506
Start test date	2021/7/6	Finish date	2021/7/28
Temperature	24.1°C	Humidity	30%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zhao

Appendix clause	Test item	Result
A	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

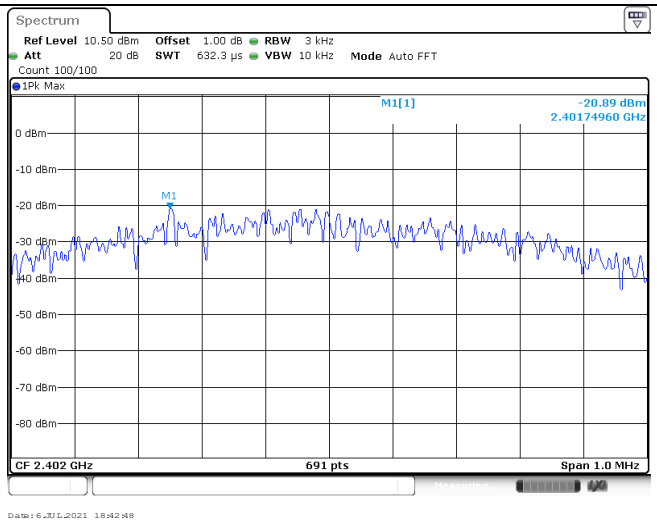
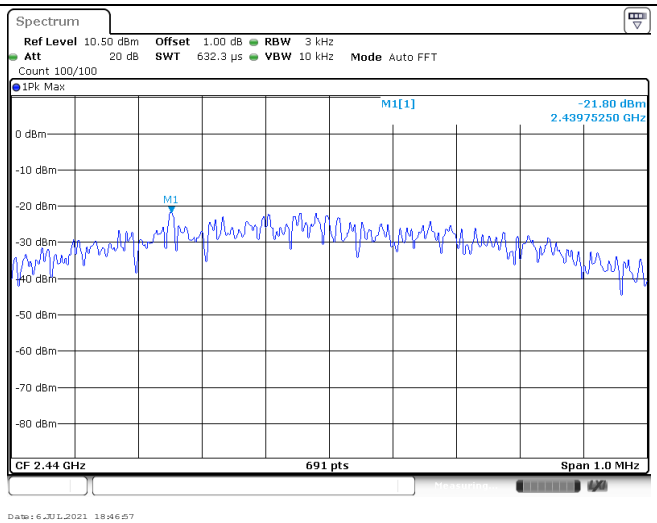
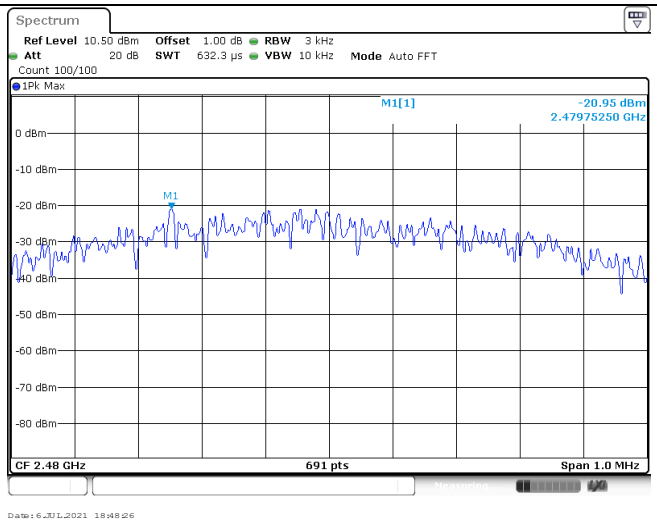
Appendix A：Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-5.20	-5.21	≤ 30.00	Pass
	19	-6.09	-6.10		
	39	-5.29	-5.30		

CH00	
CH19	
CH39	

Appendix B：Power Spectral Density

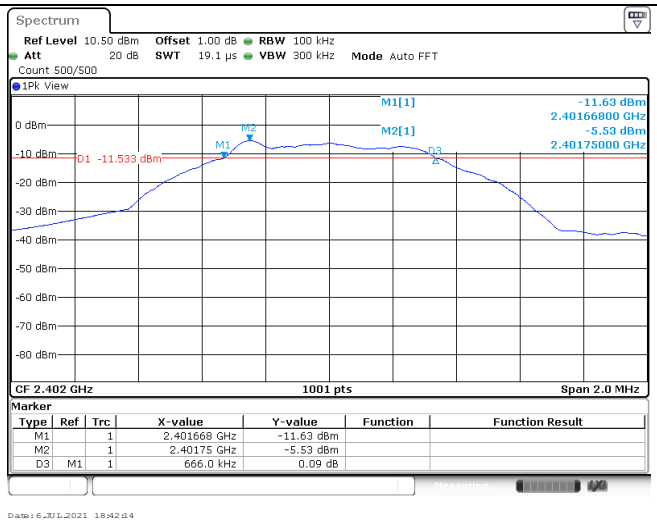
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-20.89	≤8.00	Pass
	19	-21.80		
	39	-20.95		

CH00	
CH19	
CH39	

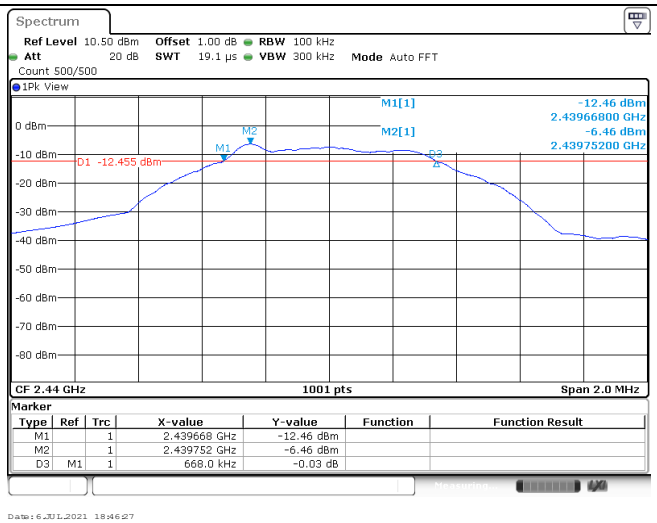
Appendix C：6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	666.00	≥500	Pass
	19	668.00		
	39	668.00		

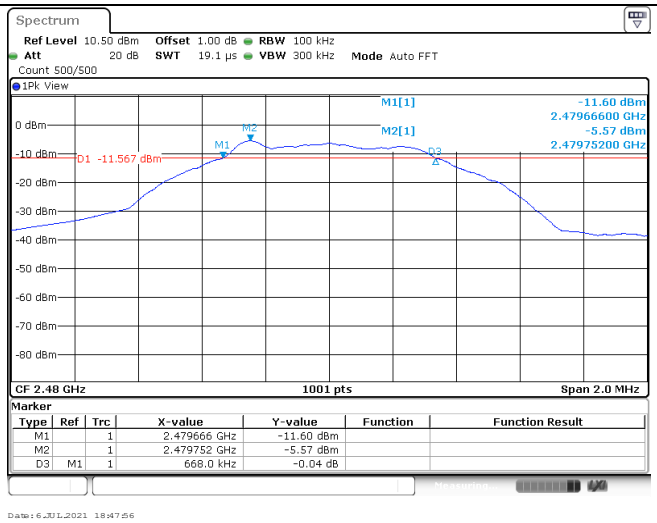
CH00



CH19

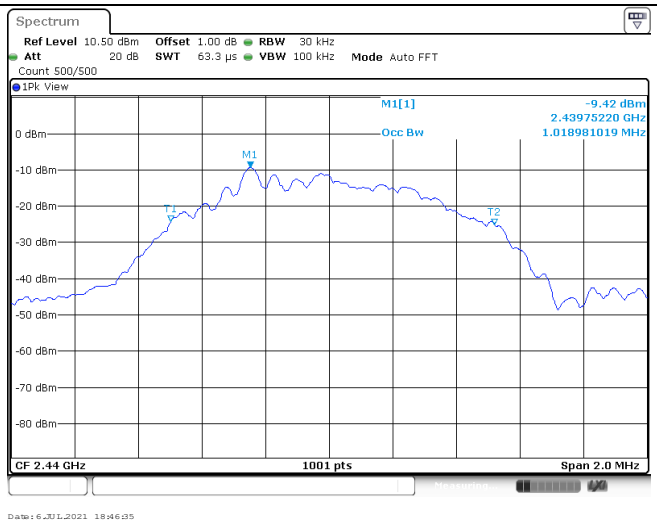


CH39



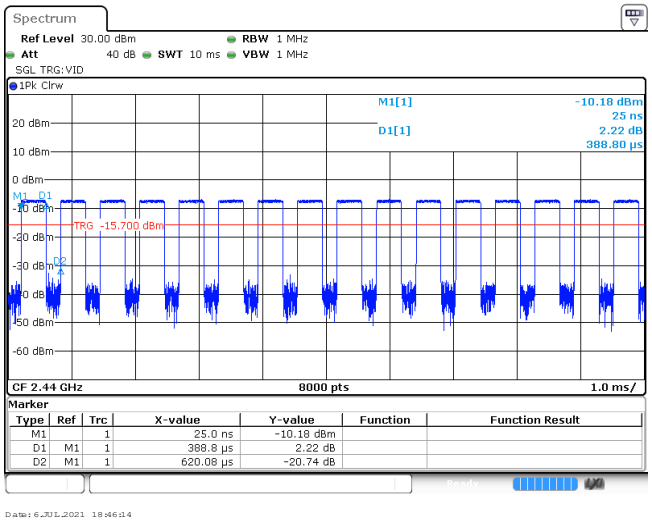
Appendix D：99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.02	-	Pass
	19	1.02		
	39	1.02		

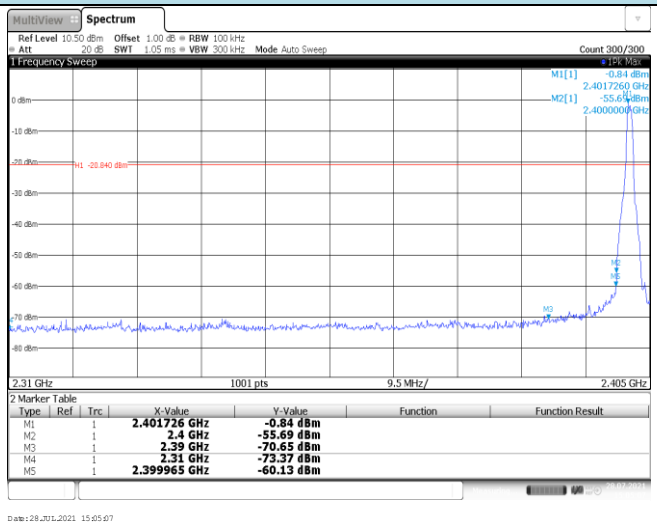
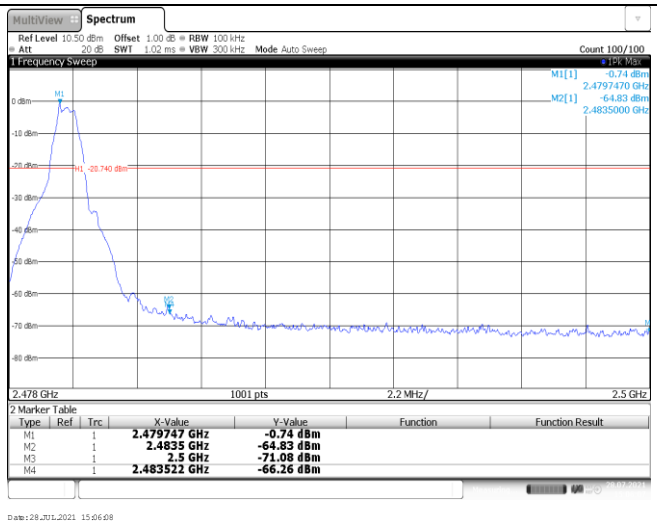
CH00	
CH19	
CH39	

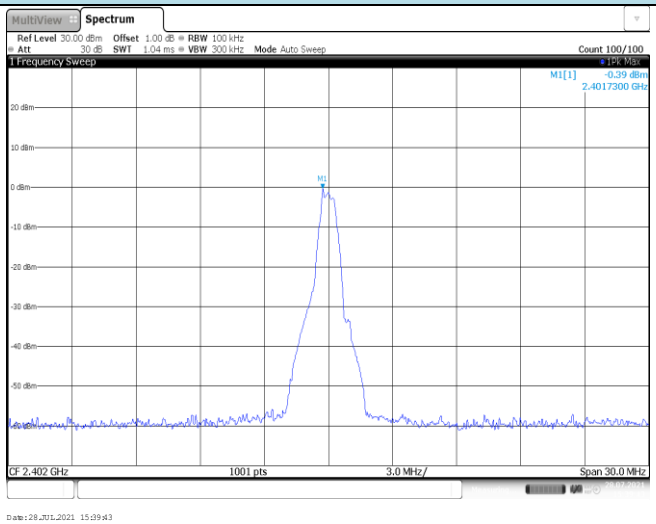
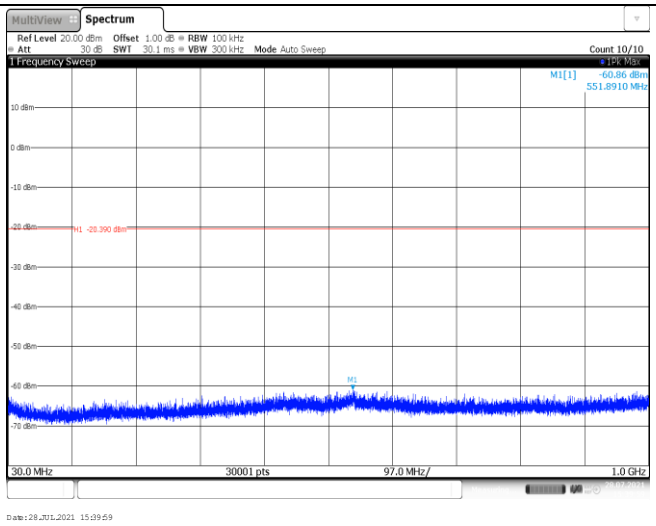
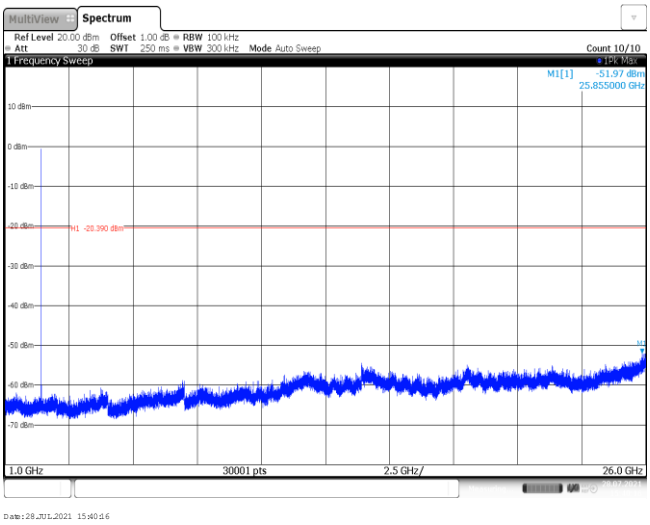
Appendix E：Duty cycle

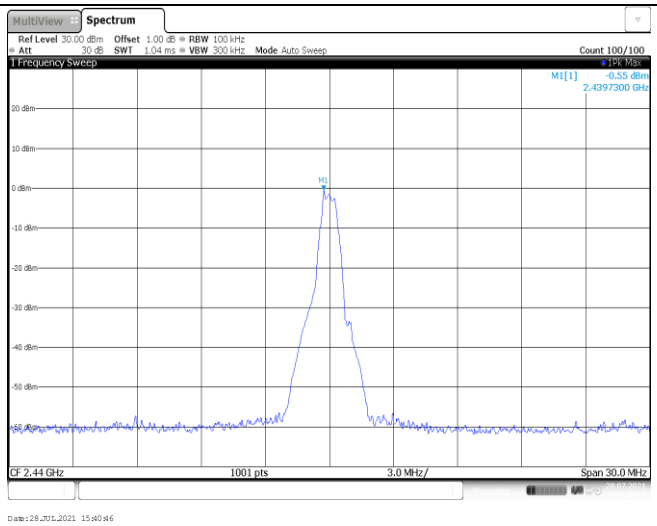
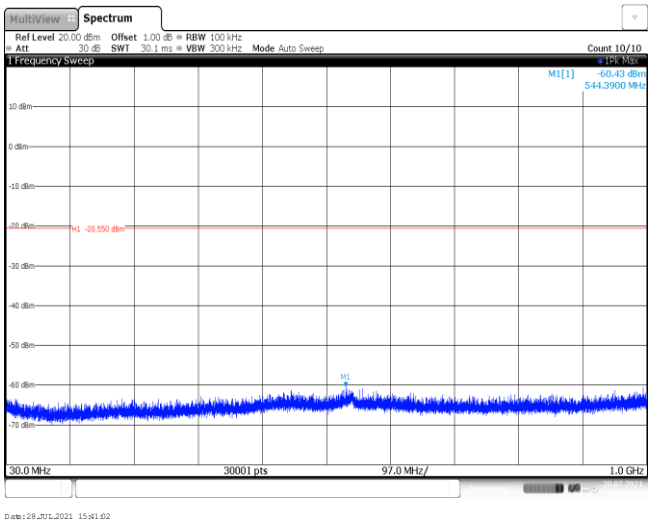
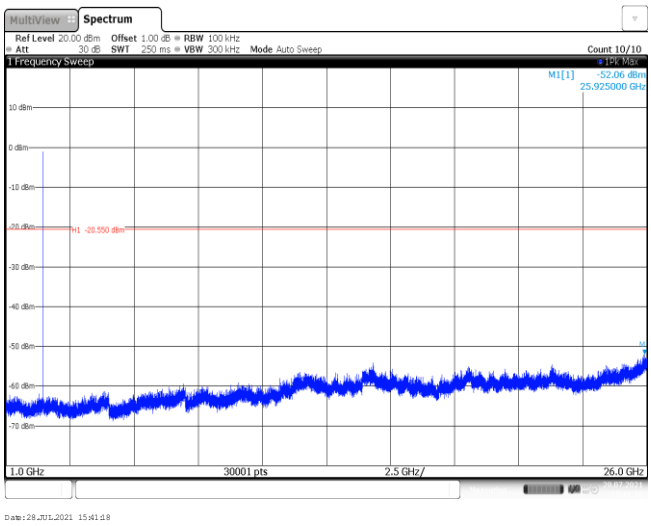
Test Frequency（MHz）	$T_{on\ time}$ for single burst (ms)	T_{period} (ms)	Duty cycle	$1/T_{on\ time}$ (kHz)
2440	0.39	0.62	62.9%	2.6

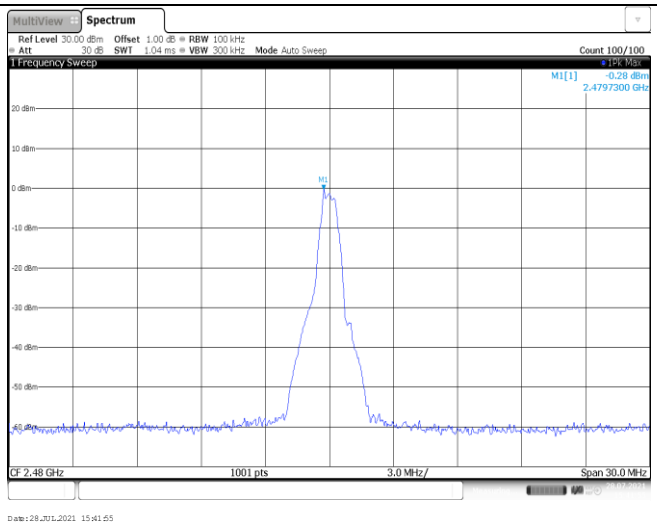
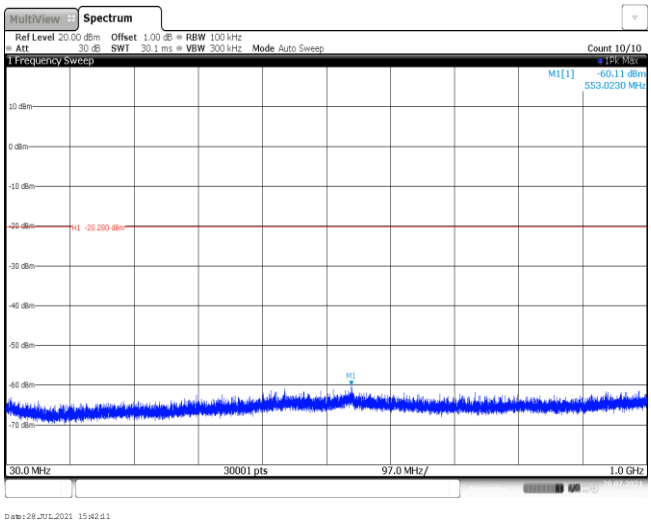
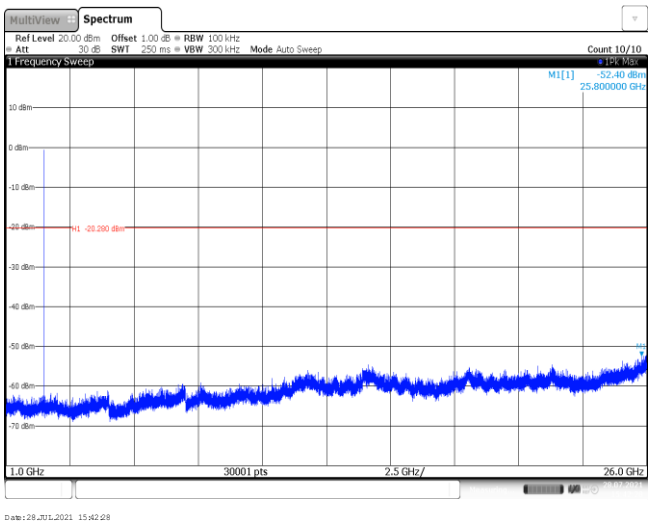


Appendix F：Band edge and Spurious Emissions (conducted)

Test Item:	Band edge
CH00	
CH39	

Test Item:	SE
CH00 Reference level	
CH00 30MHz~1000MHz	
CH00 1GHz~26GHz	
CH19 Reference level	

	
CH19 30MHz~1000MHz	
CH19 1GHz~26GHz	
CH39 Reference level	

	
CH39 30MHz~1000MHz	
CH39 1GHz~26GHz	

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