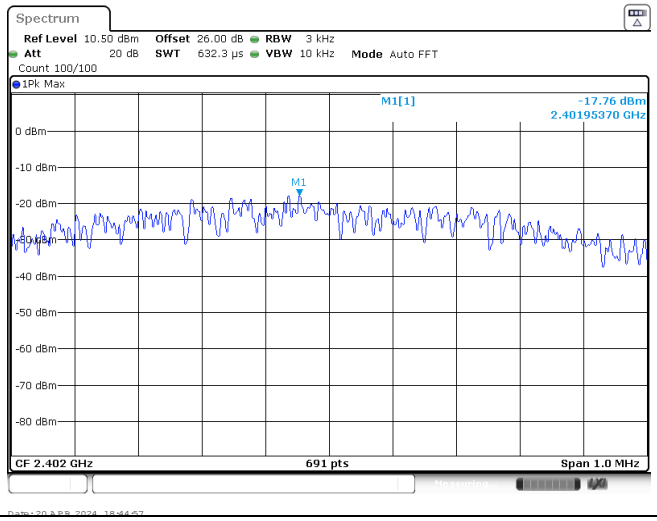
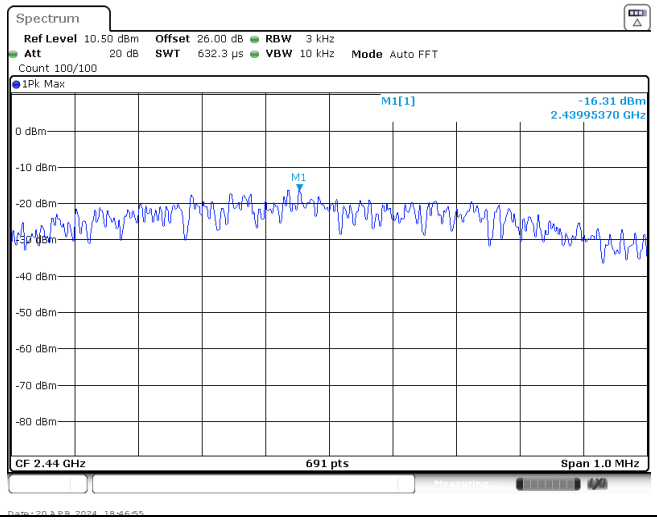
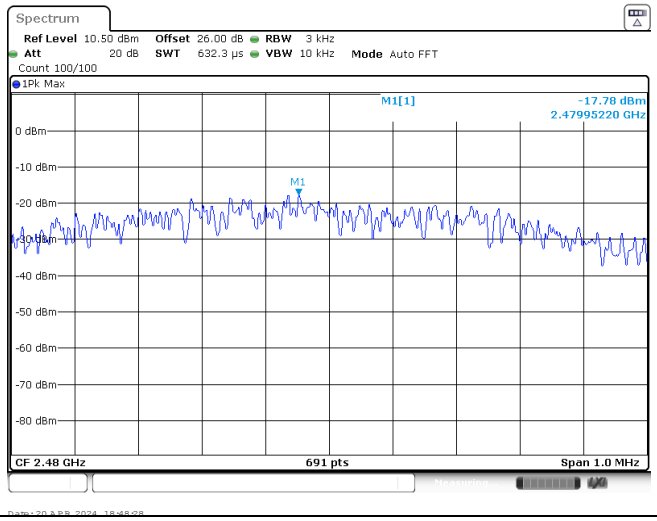
APPENDIX REPORT

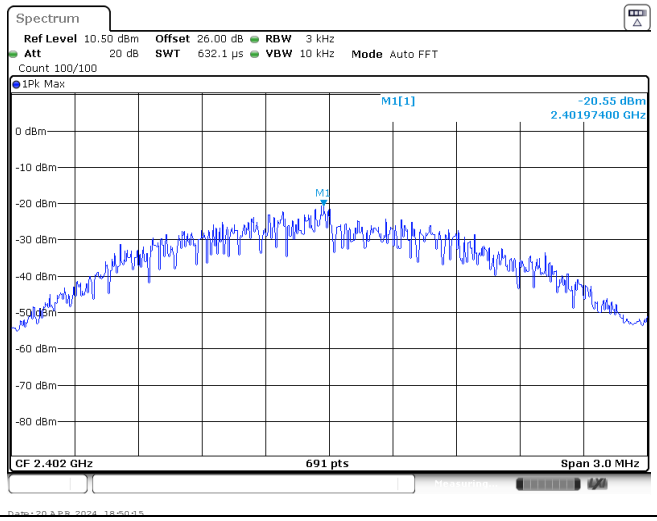
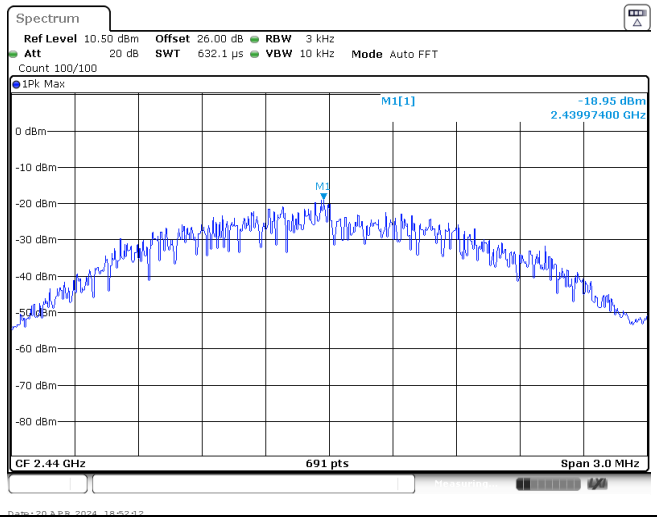
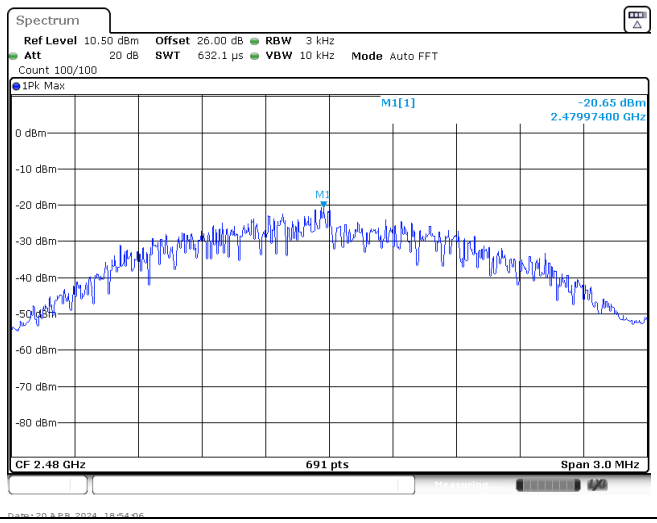
Project No.	SHT2403047207W	Radio Specification	Bluetooth BLE
Test sample No.	YPHT24030472001_01	Model No.	ABX00074
Start test date	2024-04-19	Finish date	2024-04-22
Temperature	24℃	Humidity	51%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhao

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

Appendix A: Power Spectral Density

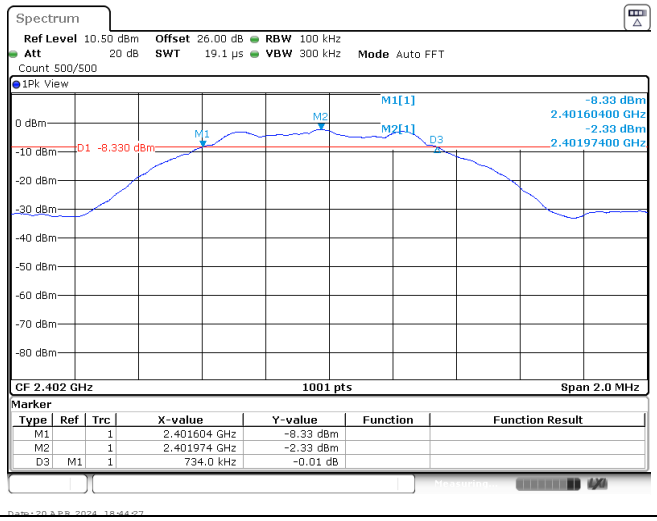
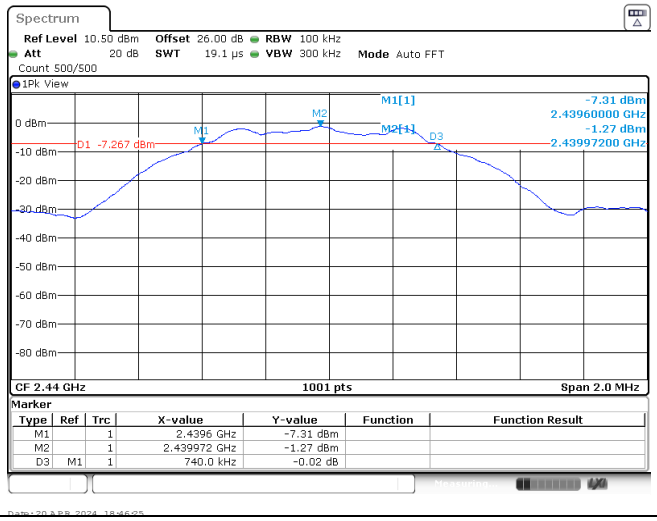
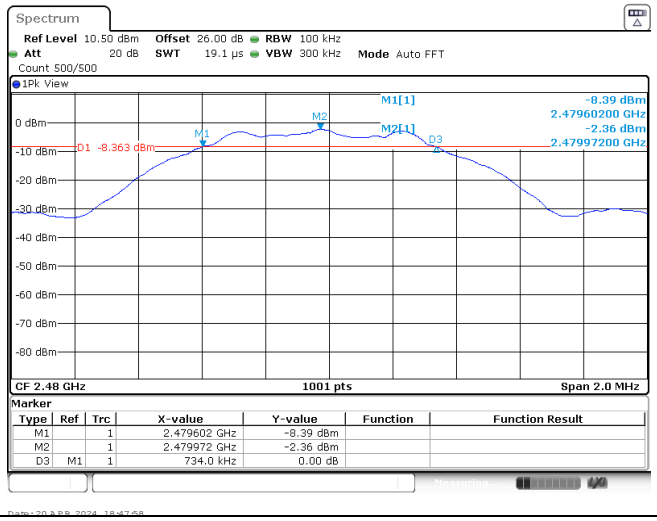
Test rate	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
1Mbps	00	-17.76	≤8.00	Pass
	19	-16.31		
	39	-17.78		
2Mbps	00	-20.55	≤8.00	Pass
	19	-18.95		
	39	-20.62		

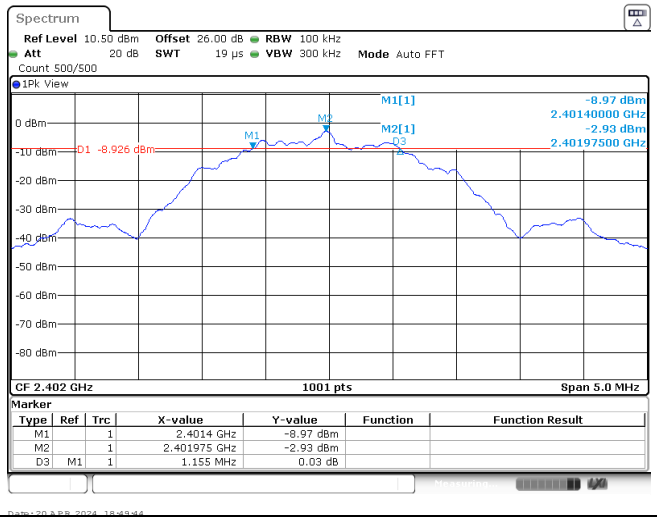
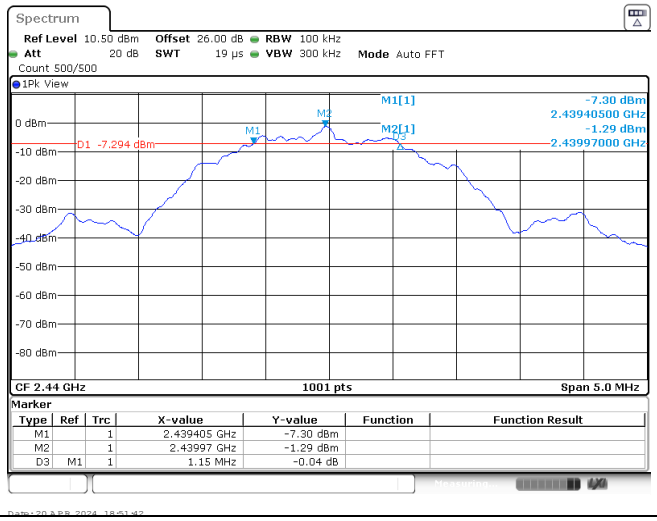
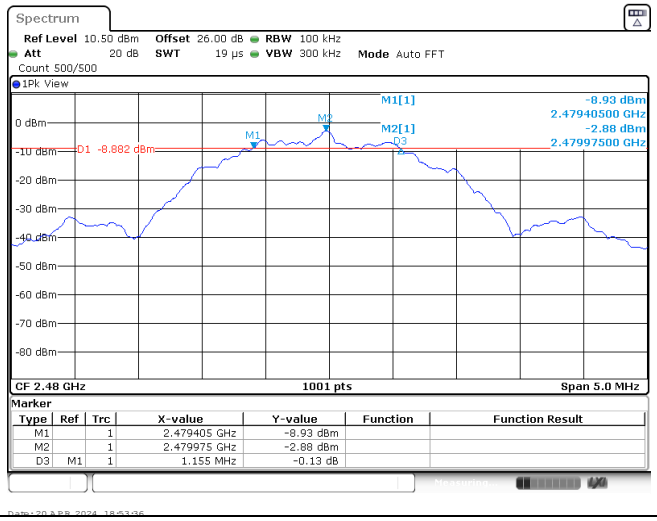
Test rate:	1Mbps
CH00	
CH19	
CH39	

Test rate:	2Mbps
CH00	
CH19	
CH39	

Appendix C：6dB bandwidth

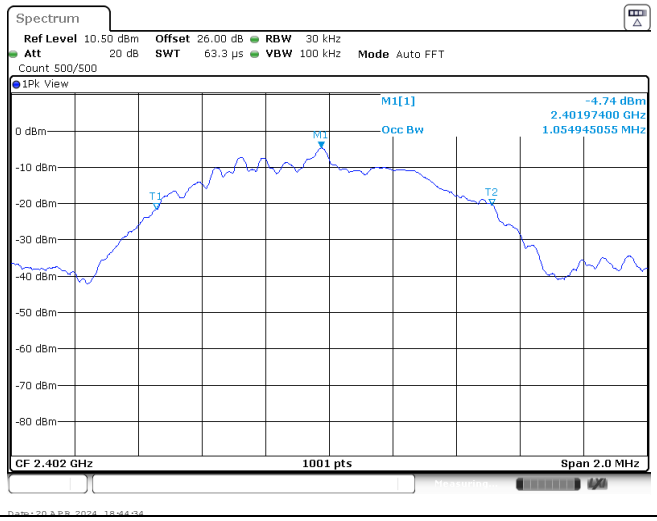
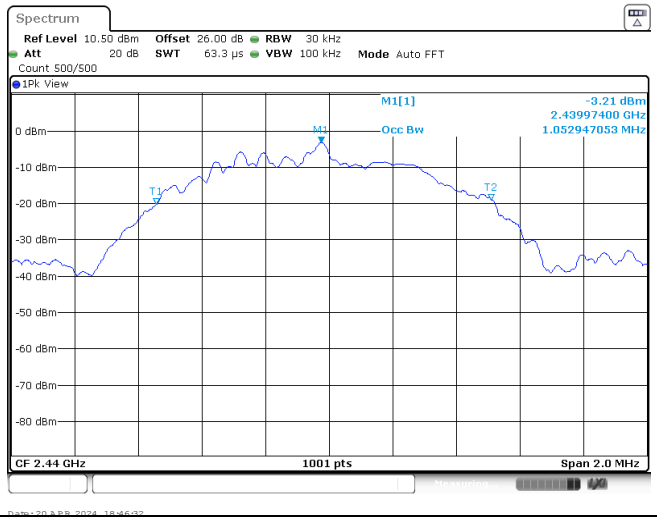
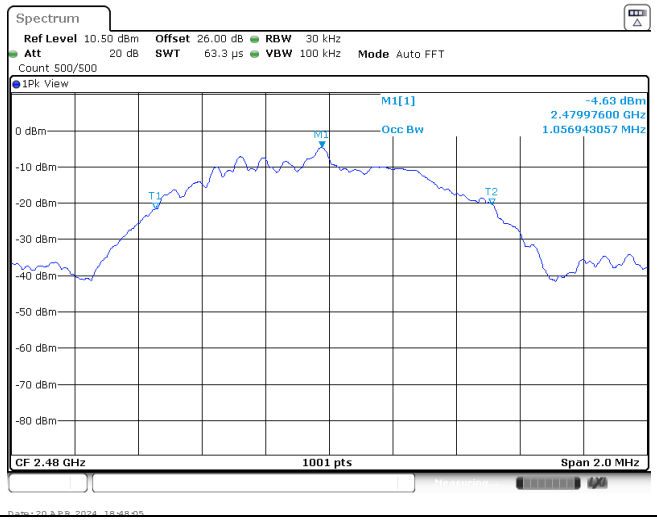
Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
1Mbps	00	734.00	≥500	Pass
	19	740.00		
	39	734.00		
2Mbps	00	1155.00	≥500	Pass
	19	1150.00		
	39	1155.00		

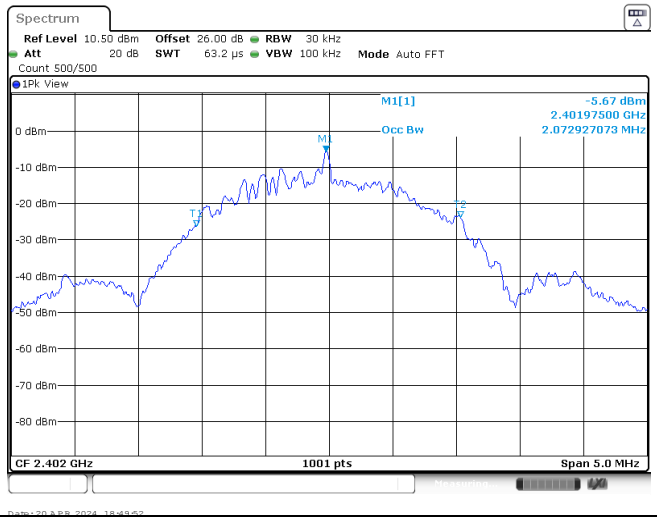
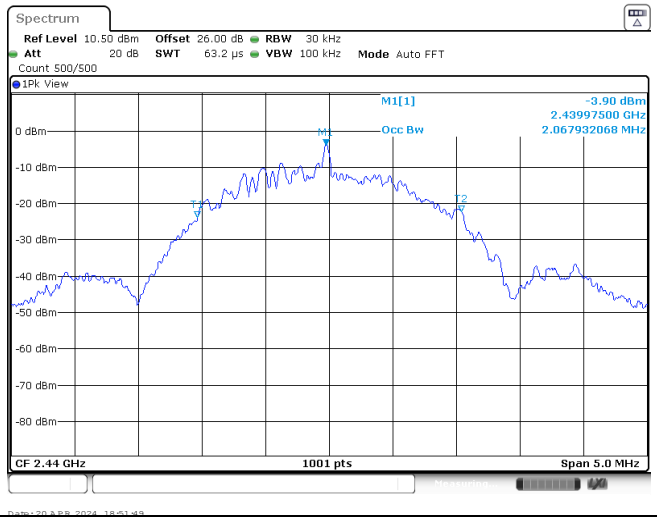
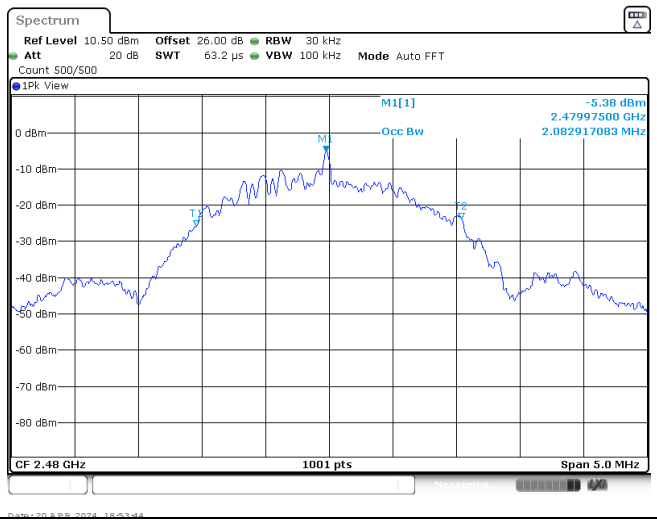
Test rate:	1Mbps
CH00	
CH19	
CH39	

Test rate:	2Mbps
CH00	
CH19	
CH39	

Appendix D：99% Occupied Bandwidth

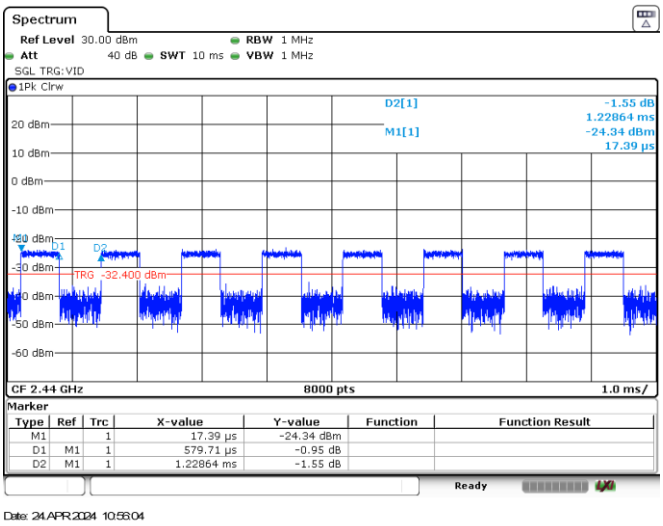
Test rate	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
1Mbps	00	1.06	-	Pass
	19	1.05		
	39	1.06		
2Mbps	00	2.07	-	Pass
	19	2.07		
	39	2.08		

Test rate:	1Mbps
CH00	
CH19	
CH39	

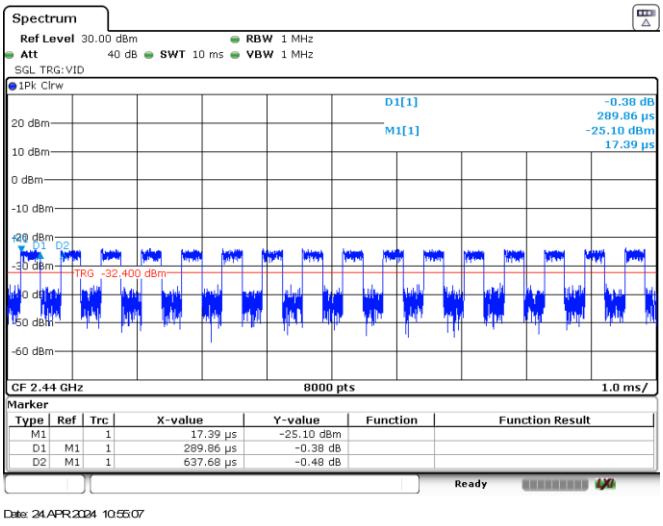
Test rate:	2Mbps
CH00	
CH19	
CH39	

Appendix E：Duty cycle

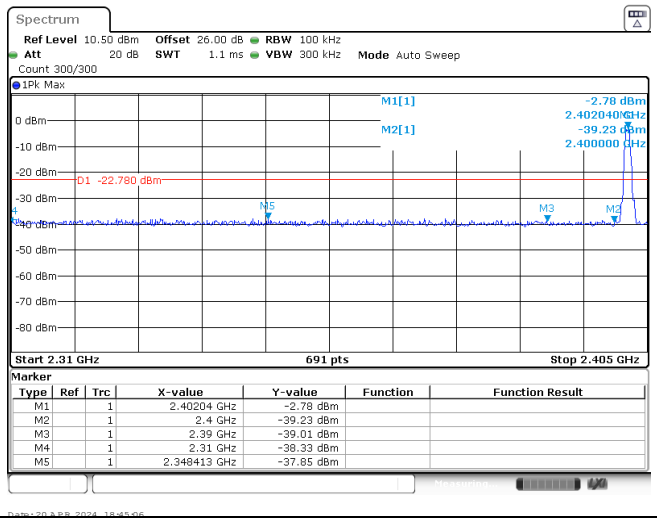
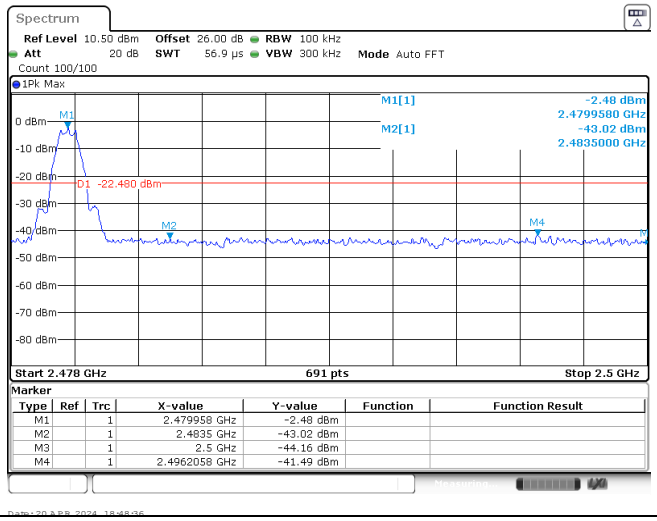
Test Rate:		1Mbps		
Test Frequency （MHz）	Ton time for single burst (ms)	Tperiod (ms)	Duty cycle	1/Ton time (kHz)
2440	0.58	1.23	47.15%	1.72

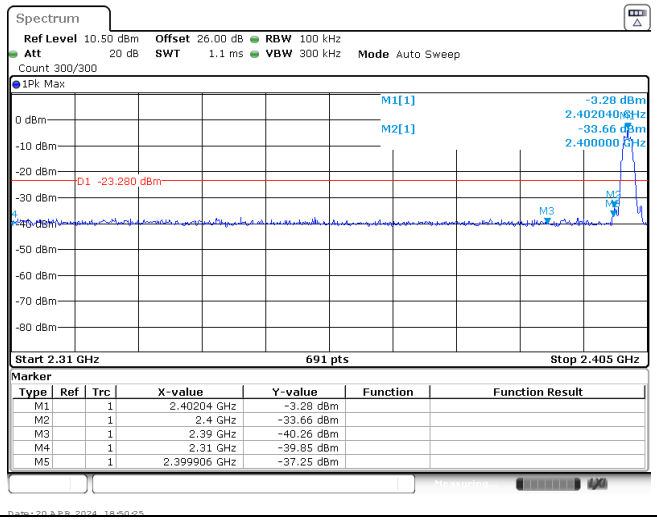
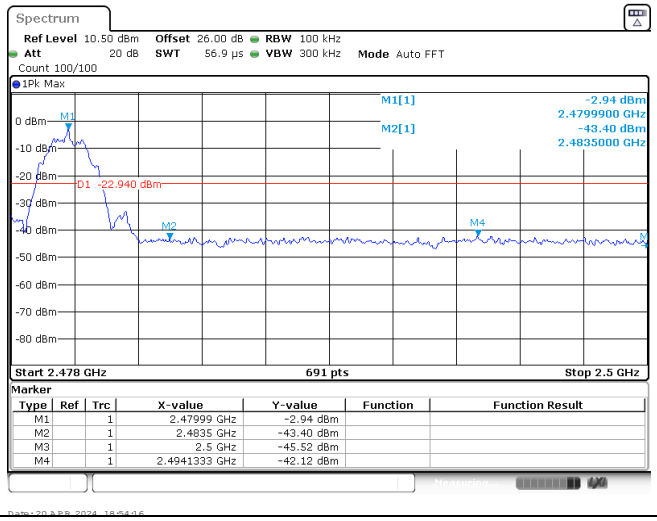


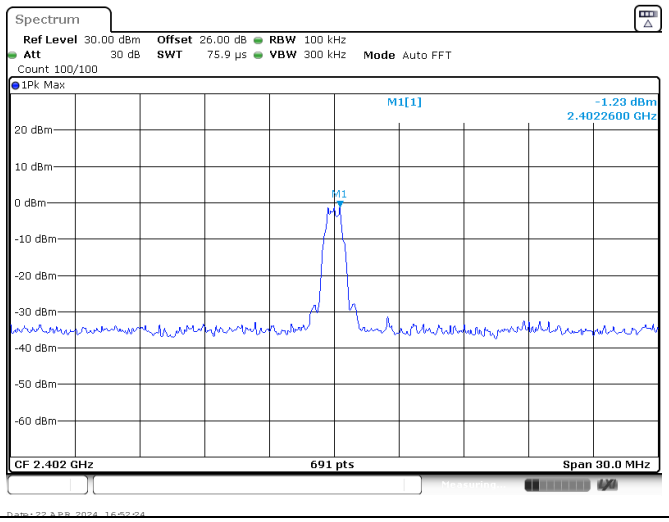
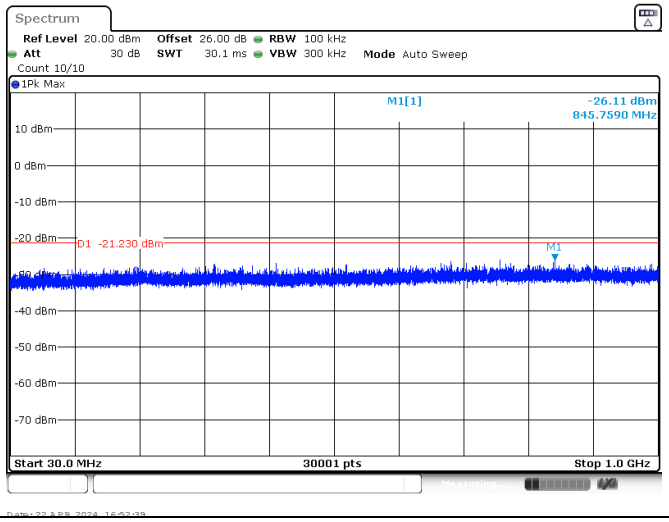
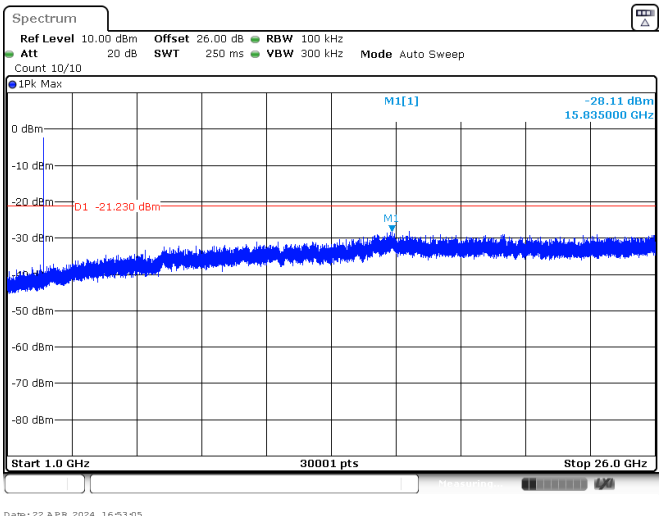
Test Rate:		2Mbps		
Test Frequency （MHz）	Ton time for single burst (ms)	Tperiod (ms)	Duty cycle	1/Ton time (kHz)
2440	0.29	0.64	45.31%	3.45

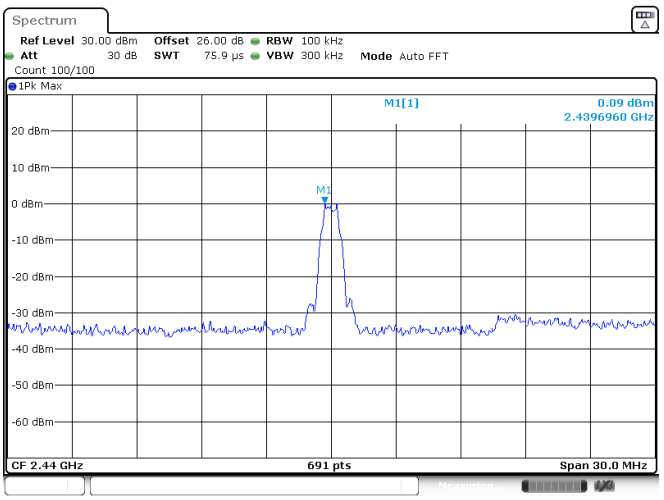
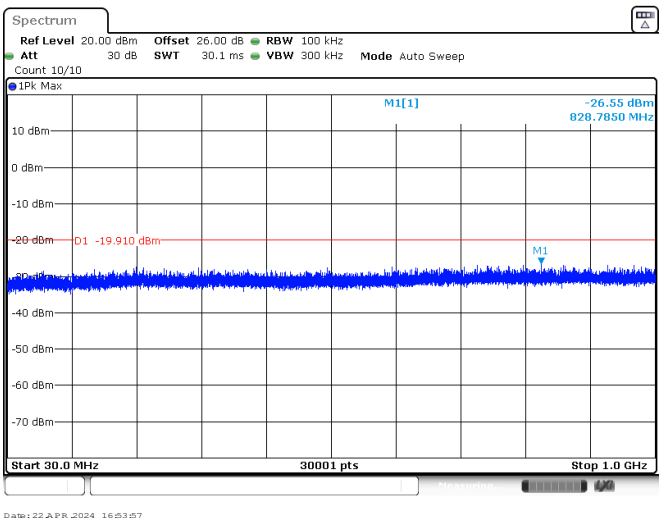
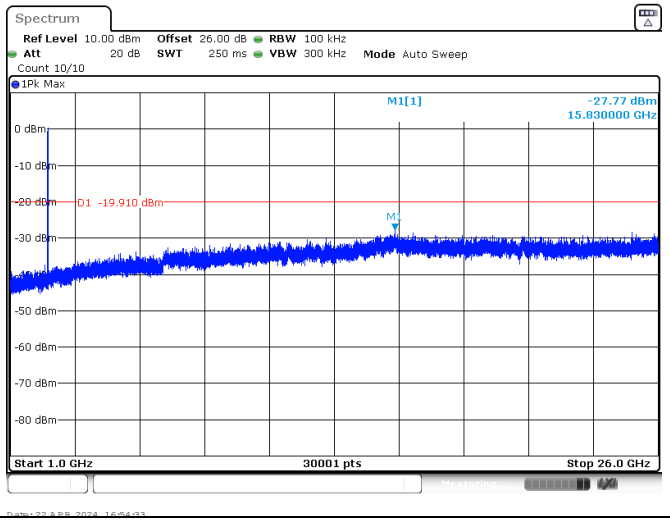


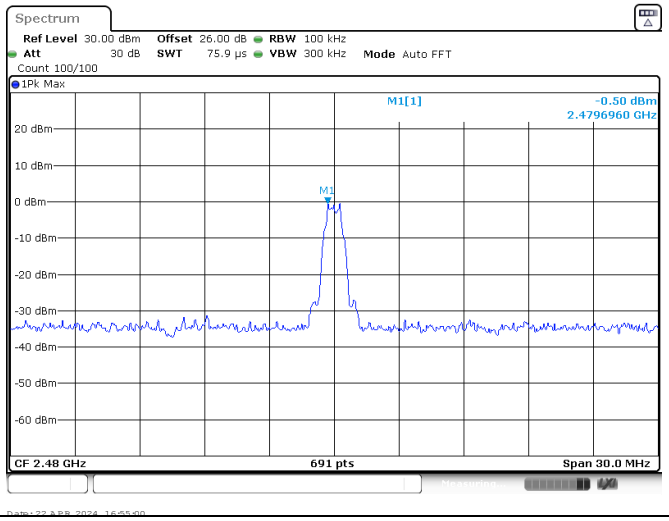
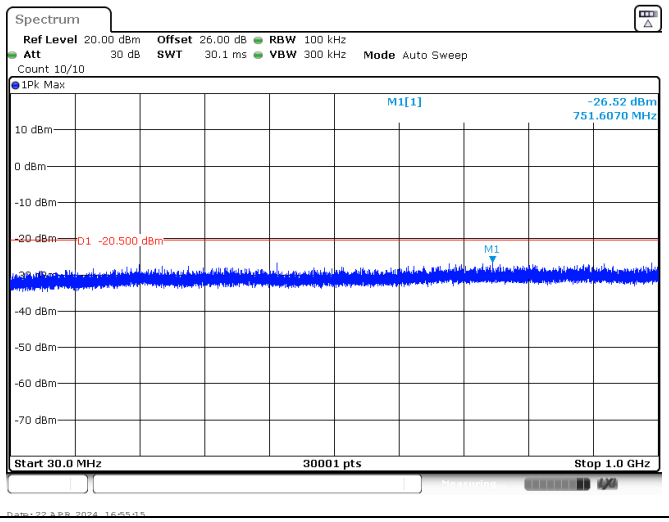
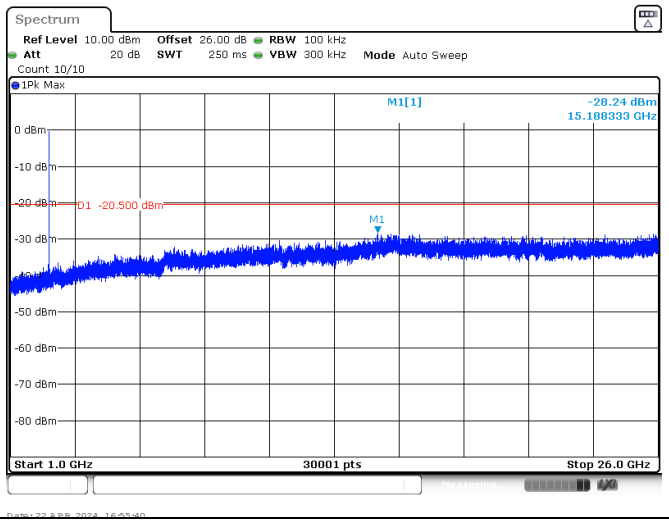
Appendix F：Band edge and Spurious Emissions (conducted)

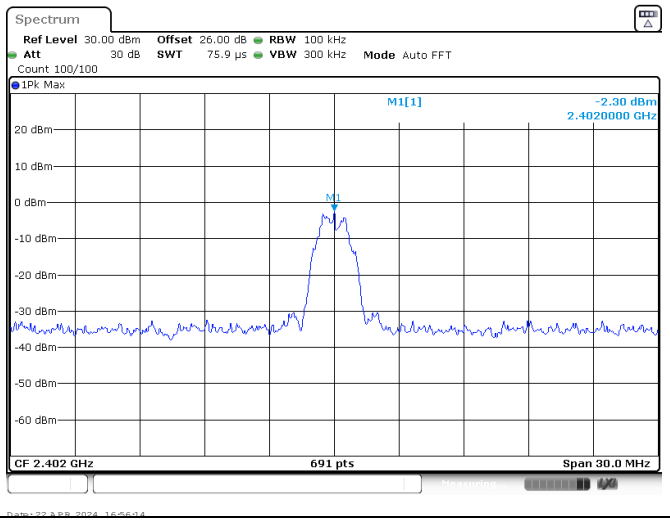
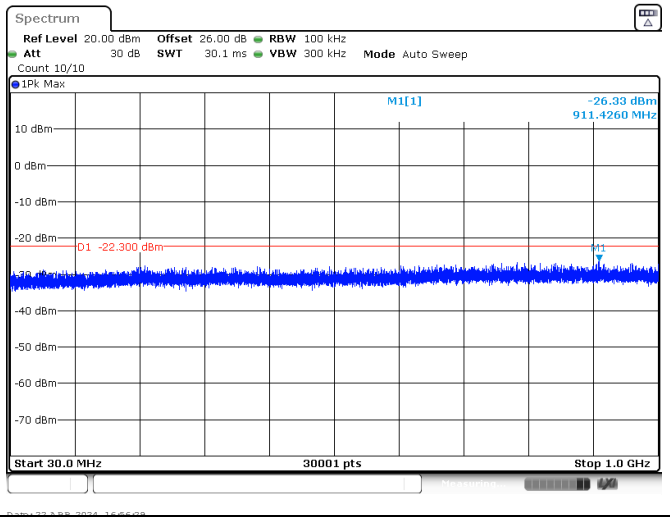
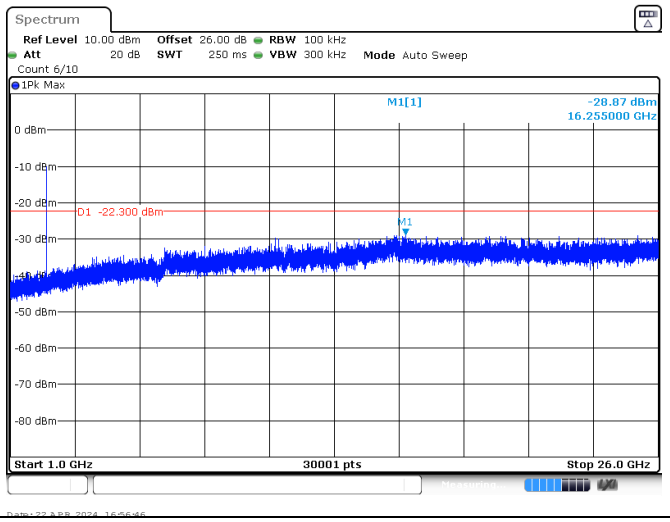
Test Item:	Band edge	Test Rate:	1Mbps
CH00			
CH39			

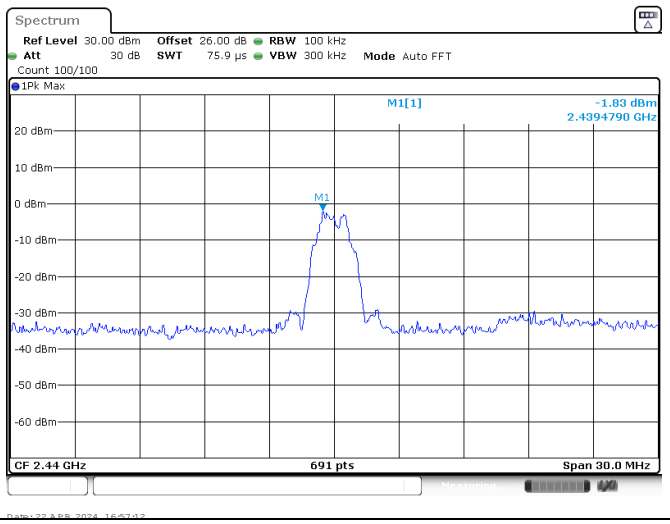
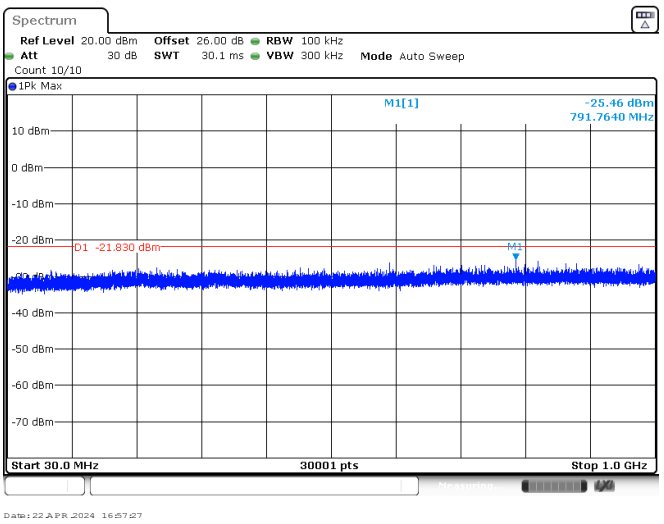
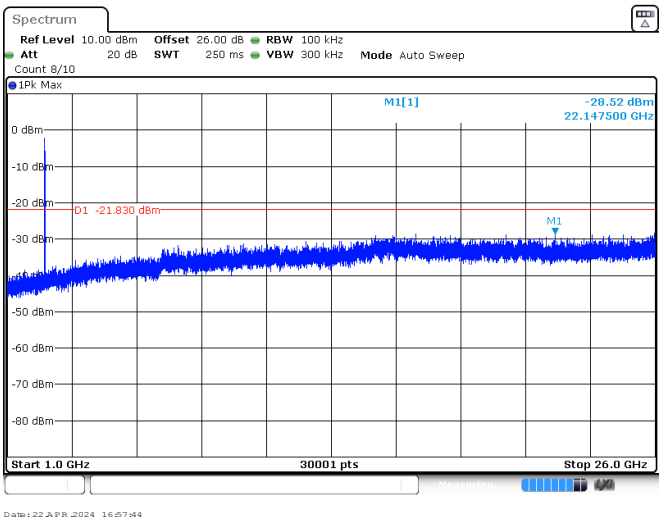
Test Item:	Band edge	Test Rate:	2Mbps
CH00			
CH39			

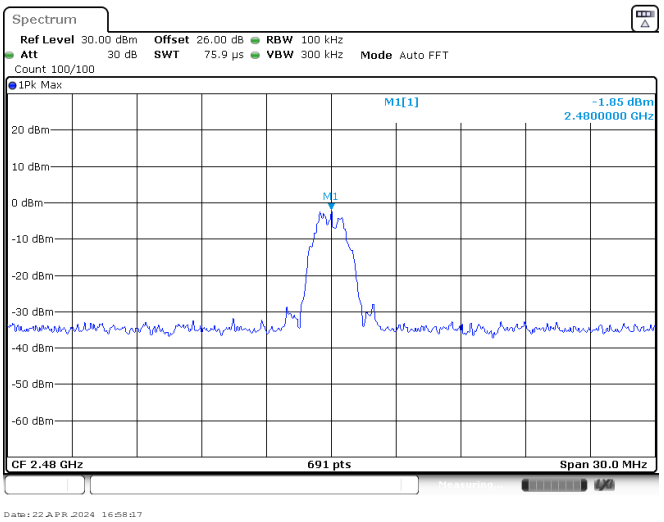
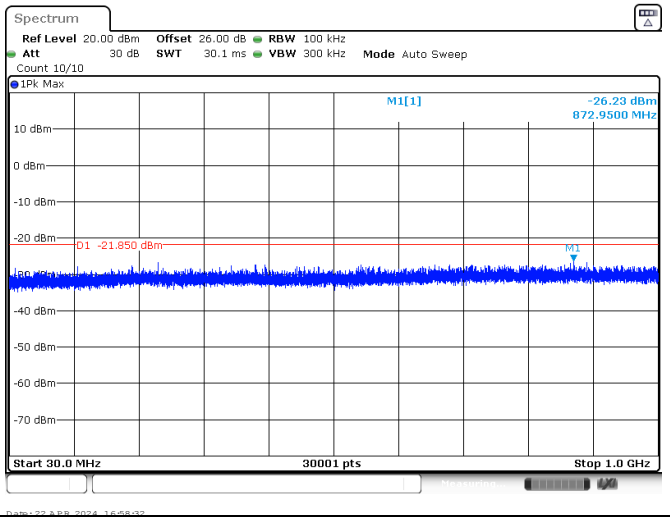
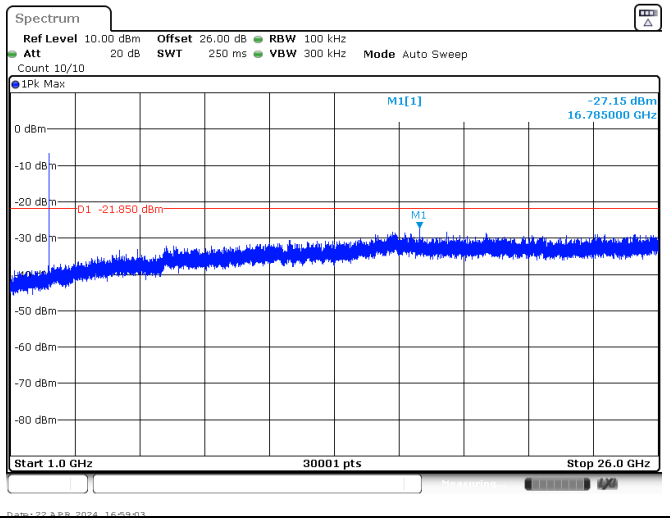
Test Item:	SE	Test Rate:	1Mbps
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

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

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

Test Item:	SE	Test Rate:	2Mbps
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	

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