

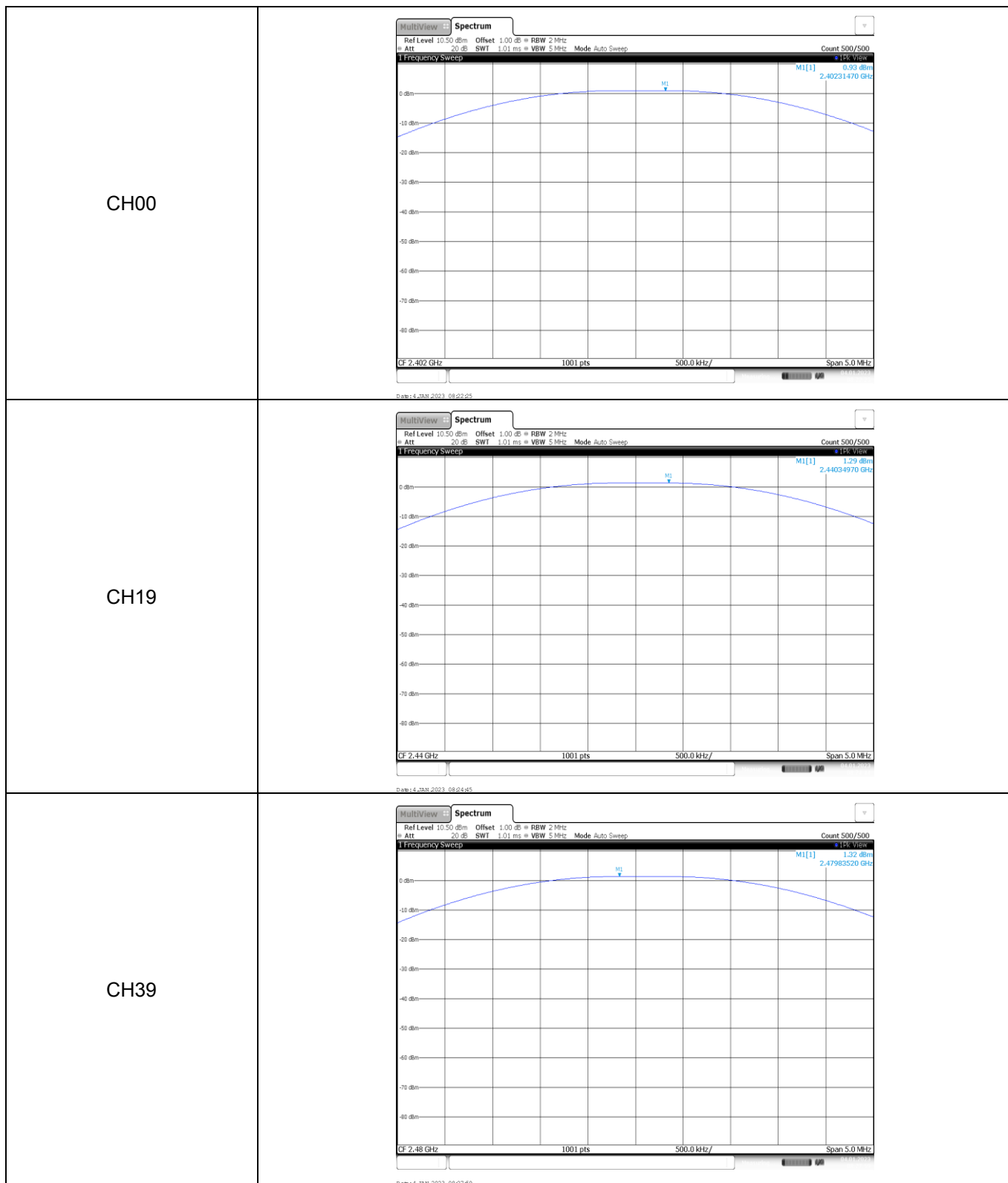
APPENDIX REPORT

Project No.	SHT2212034801EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22120348001	Model No.	HYD-23
Start test date	2023-01-04	Finish date	2023-01-04
Temperature	22.5℃	Humidity	44%
Test Engineer	Xiaoqin Li	Auditor	Xiaodong Zheo

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

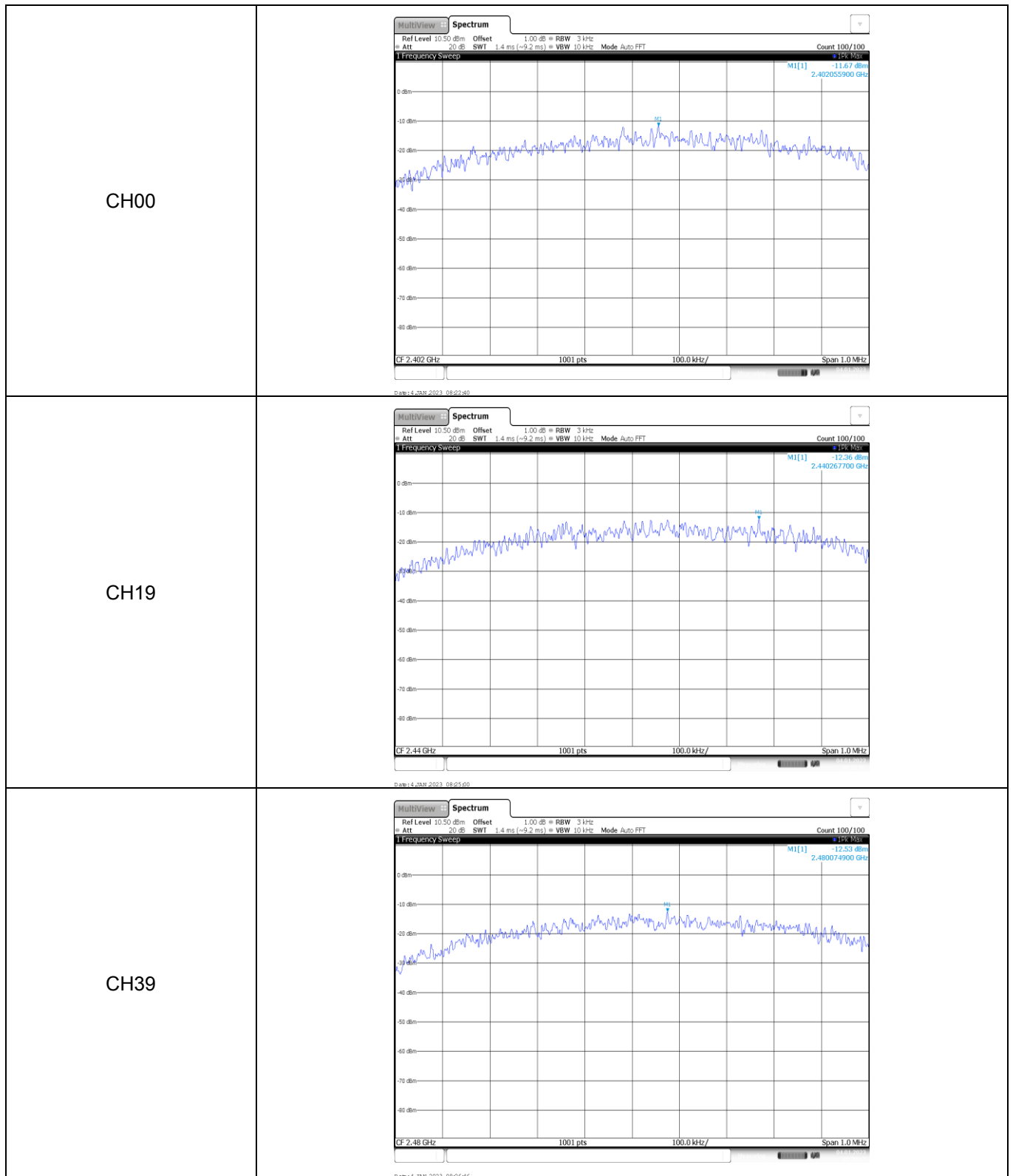
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	0.93	0.91	≤ 30.00	Pass
	19	1.29	1.26		
	39	1.32	1.30		



Appendix B: Power Spectral Density

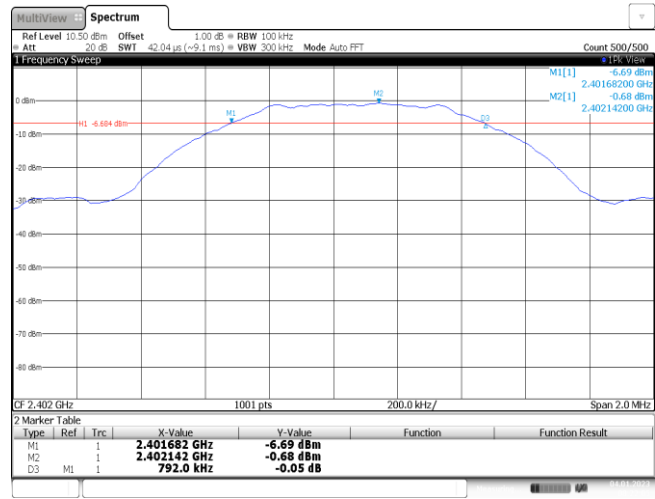
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-11.67	≤8.00	Pass
	19	-12.36		
	39	-12.53		



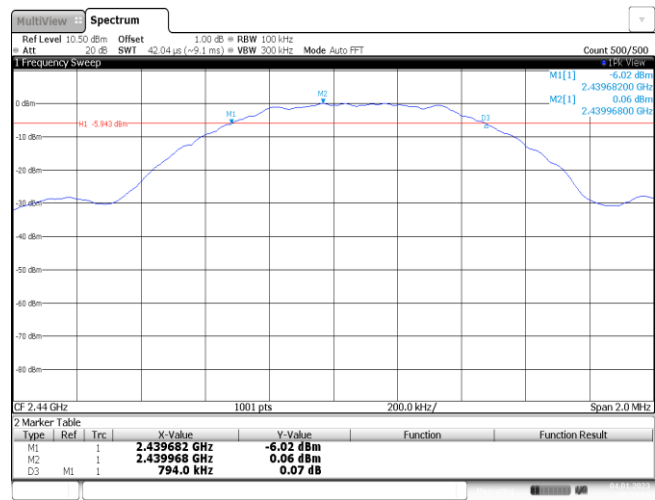
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	792.00	≥500	Pass
	19	794.00		
	39	790.00		

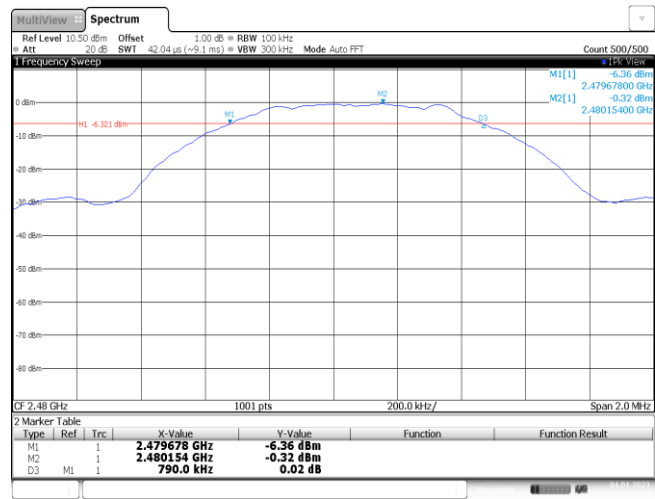
CH00



CH19



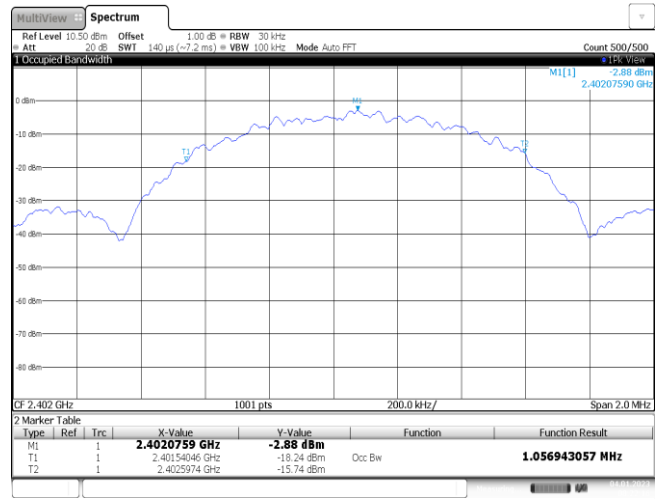
CH39



Appendix D: 99% Occupied Bandwidth

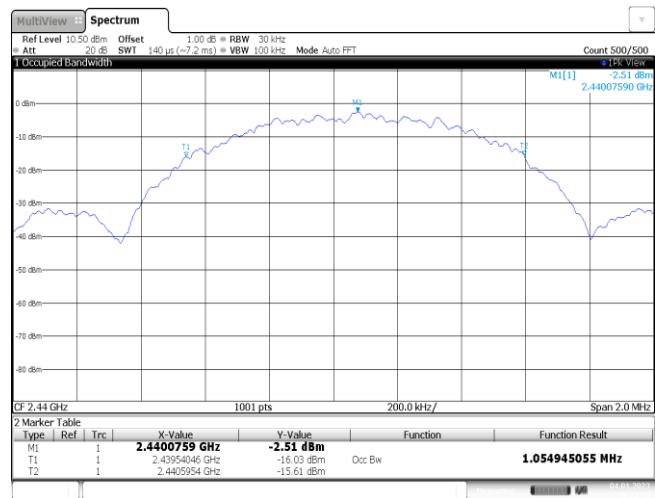
Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.06	-	Pass
	19	1.06		
	39	1.07		

CH00



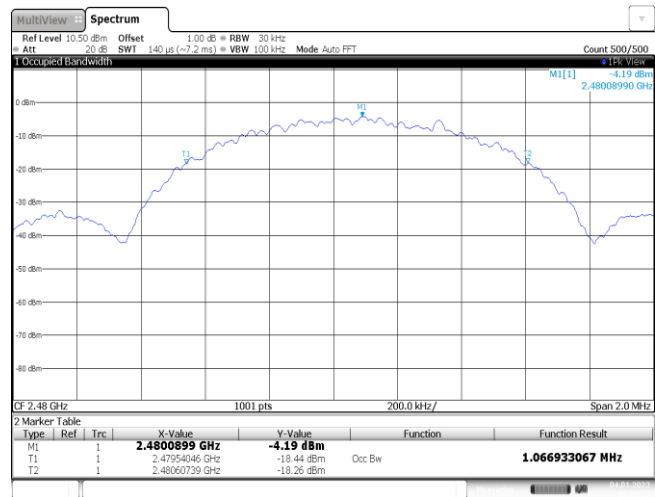
Date: 14 JAN 2023 08:22:16

CH19



Date: 14 JAN 2023 08:24:06

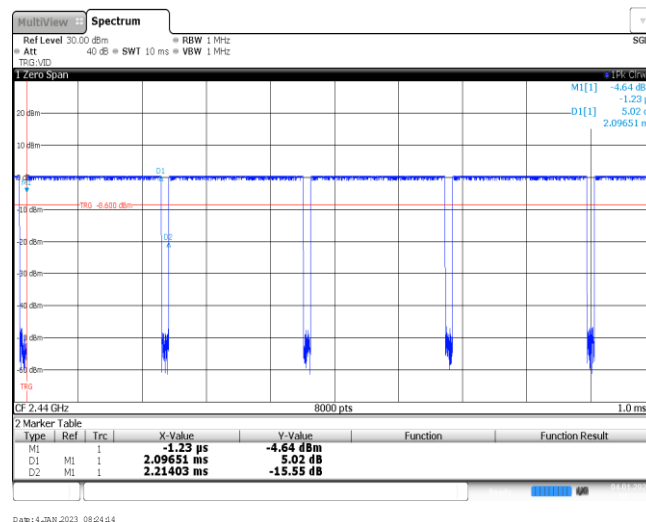
CH39



Date: 14 JAN 2023 08:26:22

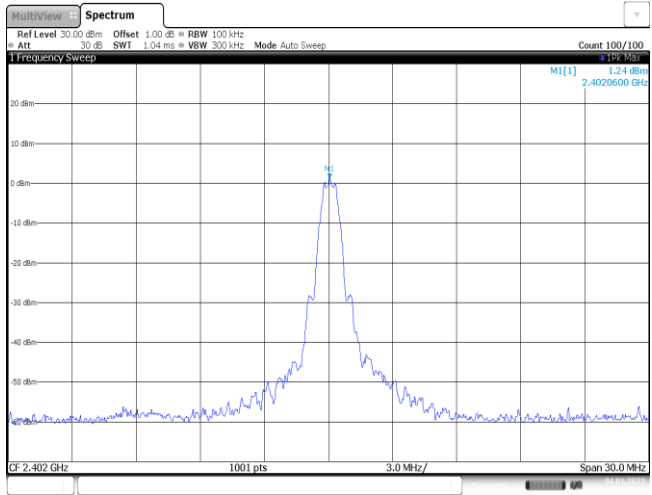
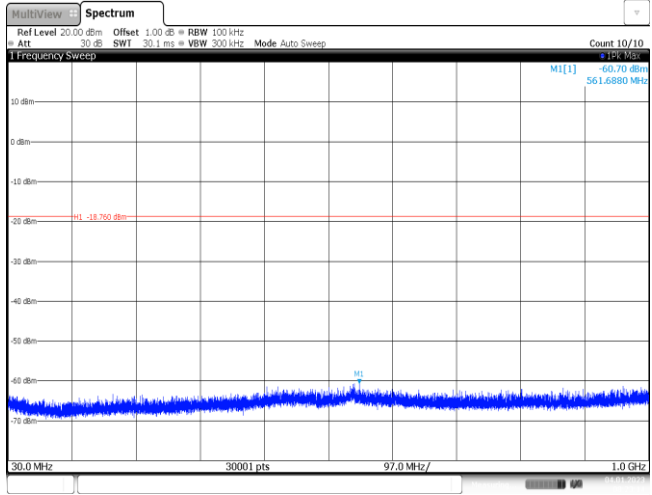
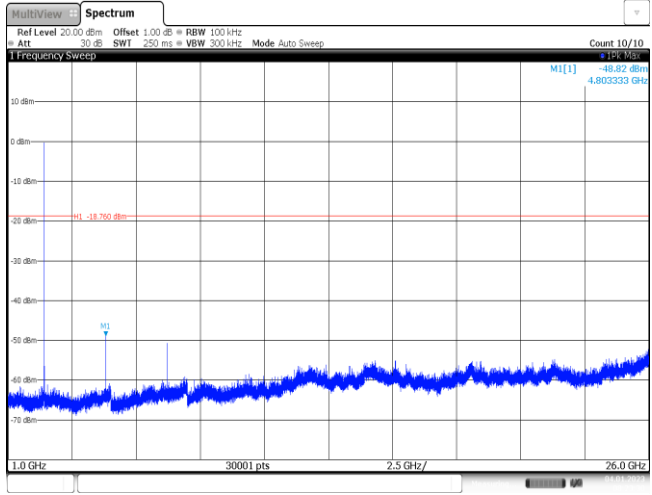
Appendix E: Duty cycle

Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	2.10	2.21	95.0%	0.48

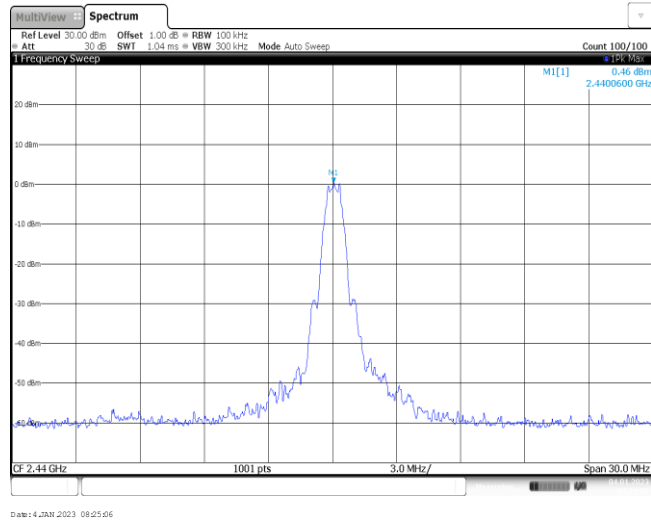


Appendix F: Band edge and Spurious Emissions (conducted)

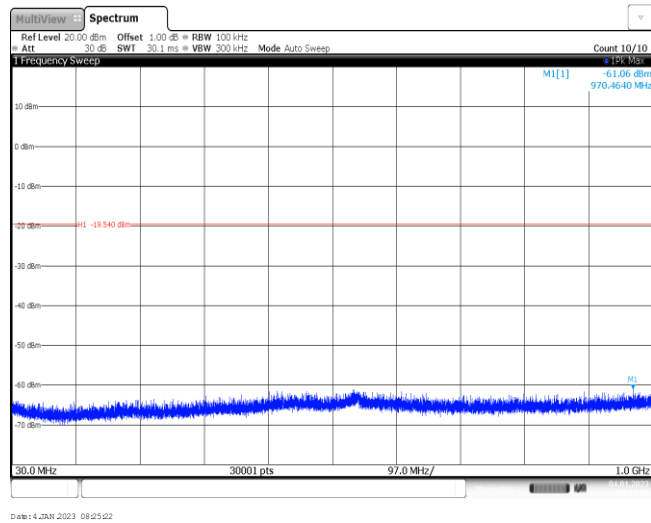
Test Item:	Band edge
CH00	MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB BW 100 kHz Att 20 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep </

Test Item:	SE
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -12.4 dBm 2.402060 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4 JAN 2023 08:22:59
CH00 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.79 dBm 561.6890 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 4 JAN 2023 08:23:15
CH00 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.62 dBm 4.803333 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 4 JAN 2023 08:23:11

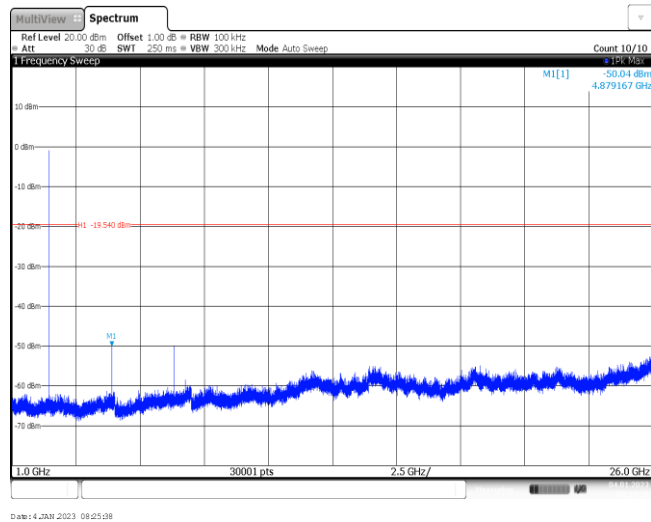
CH19
Reference level

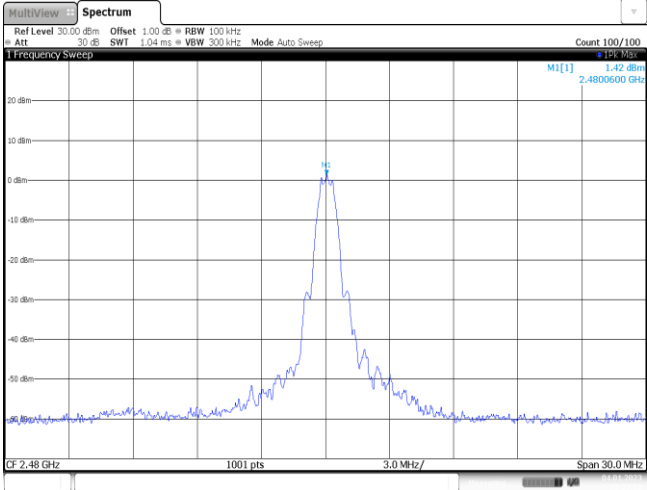
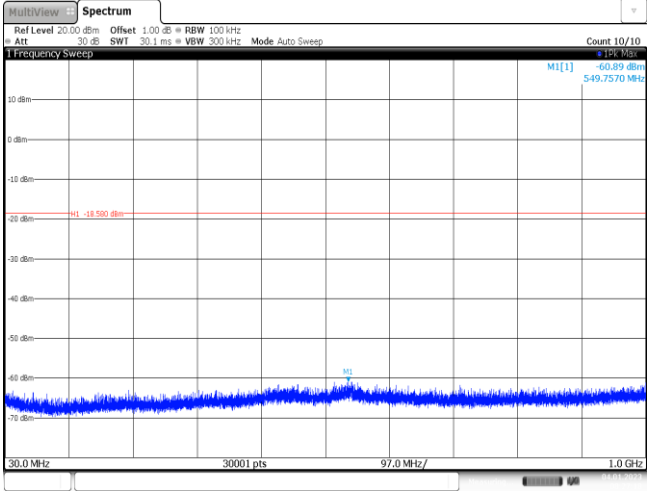
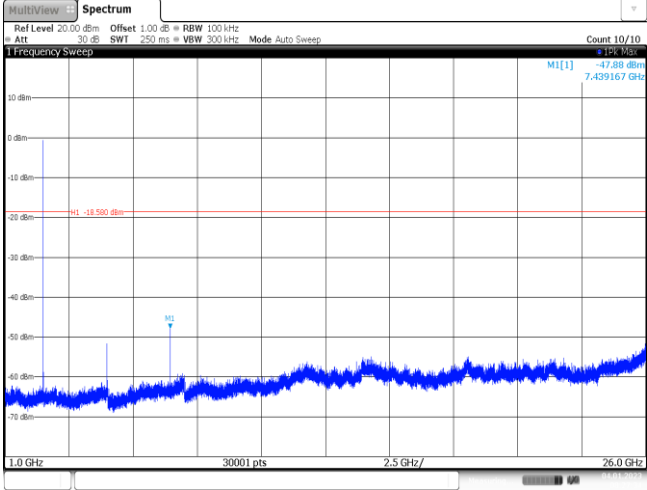


CH19
30MHz~1000MHz



CH19
1GHz~26GHz



CH39 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] 1.42 dBm 2.480600 GHz 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4 JUN 2023 09:27:02
CH39 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -60.89 dBm 549.7570 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 4 JUN 2023 09:27:18
CH39 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -47.89 dBm 7.429167 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 4 JUN 2023 09:27:34

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