

APPENDIX REPORT

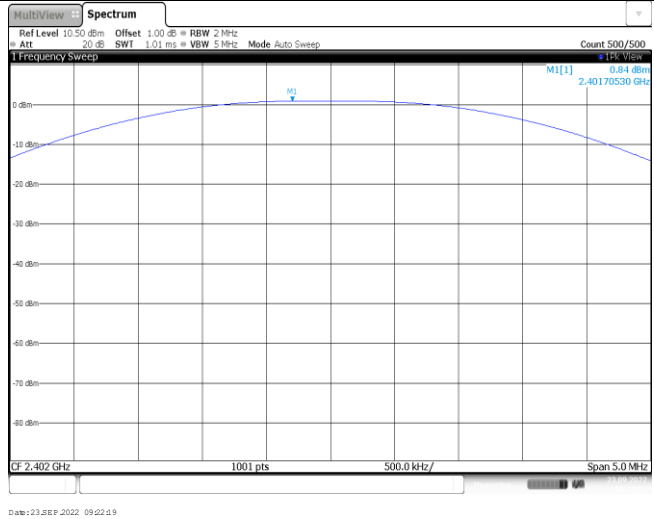
Project No.	SHT2209001101EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22090011003	Model No.	E104-BT52
Start test date	2022-09-23	Finish date	2022-09-23
Temperature	26.3°C	Humidity	31%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhe

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

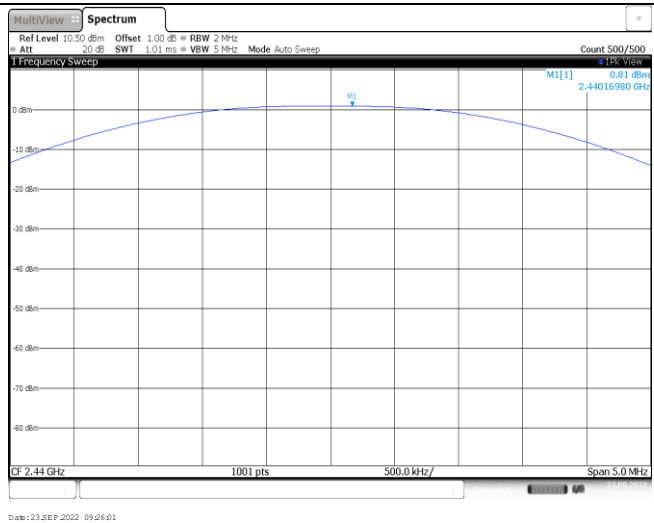
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	0.84	0.83	≤ 30.00	Pass
	19	0.81	0.79		
	39	0.79	0.76		

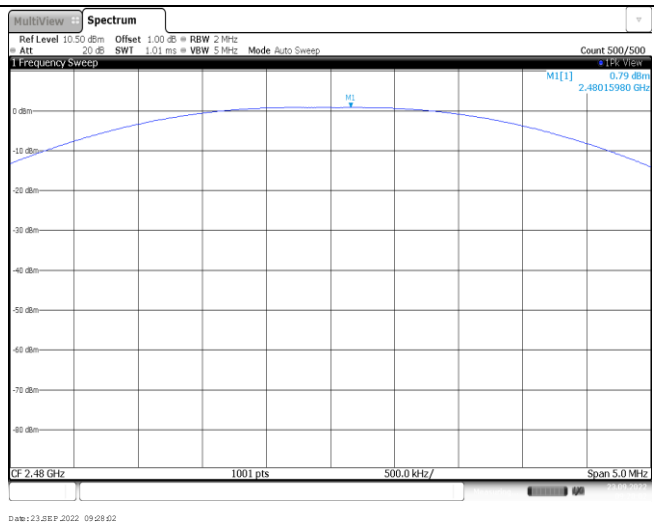
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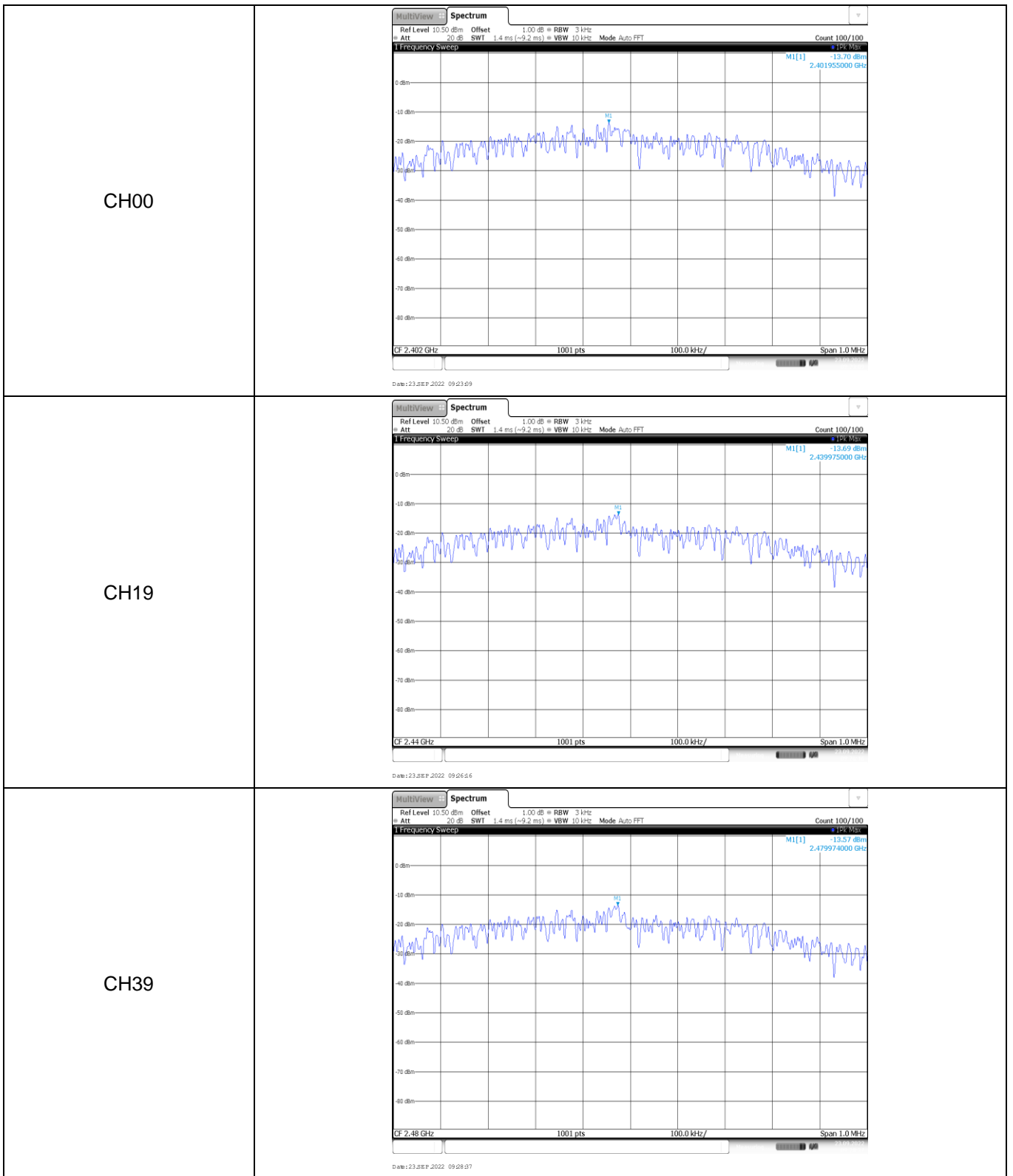


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Appendix B: Power Spectral Density

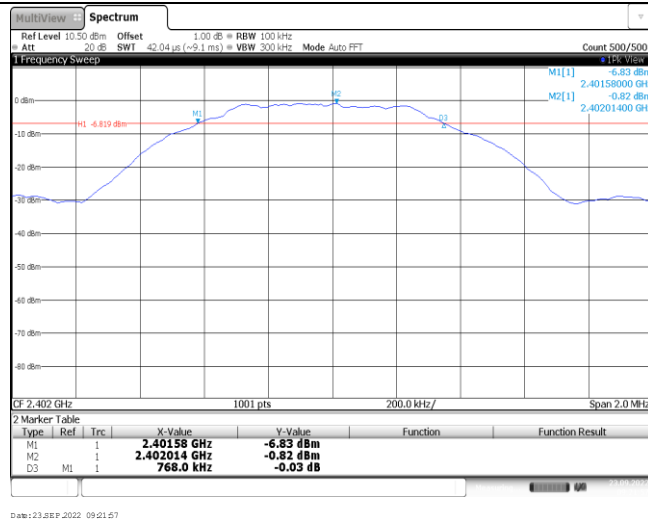
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-13.70	≤8.00	Pass
	19	-13.69		
	39	-13.57		



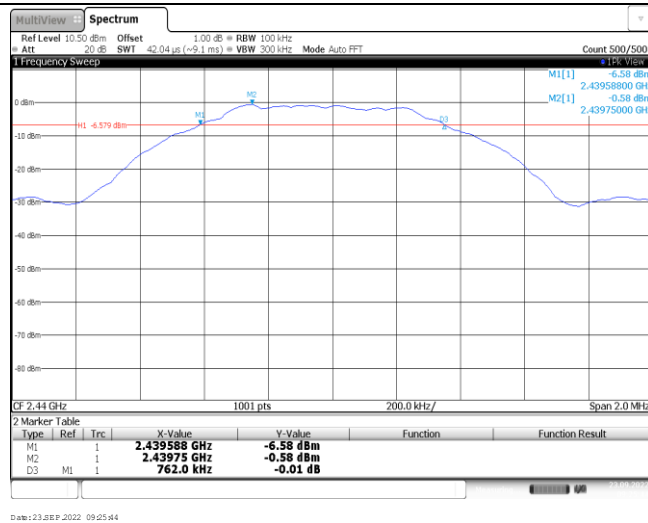
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	768.00	≥500	Pass
	19	762.00		
	39	778.00		

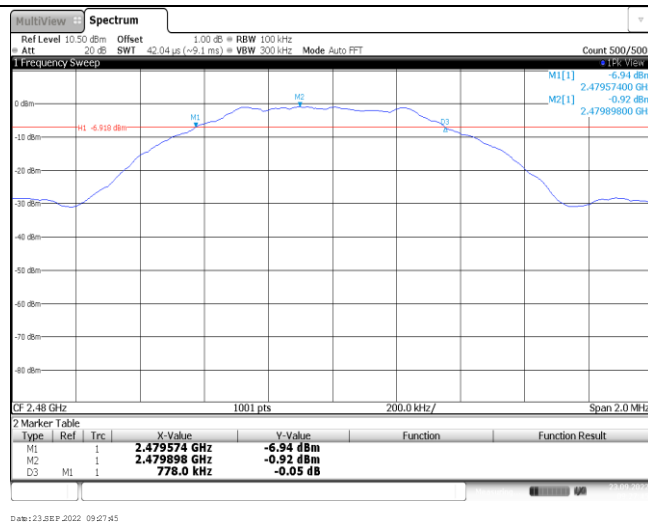
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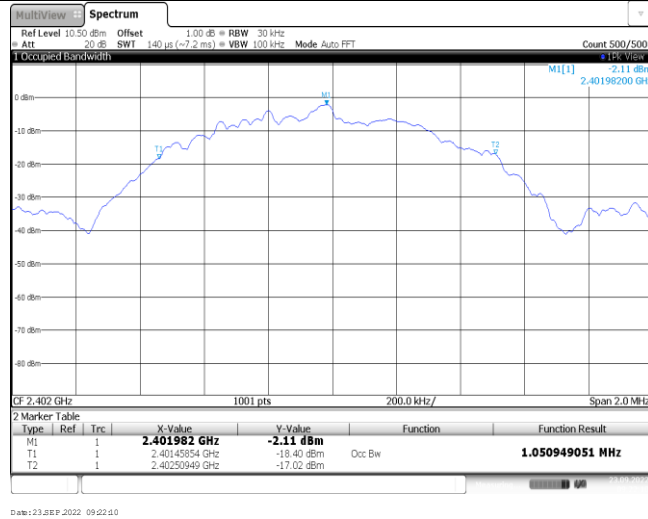
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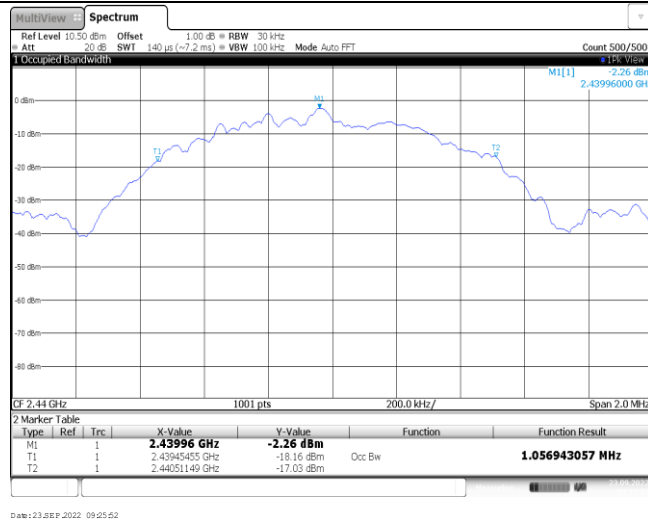
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.05	-	Pass
	19	1.06		
	39	1.06		

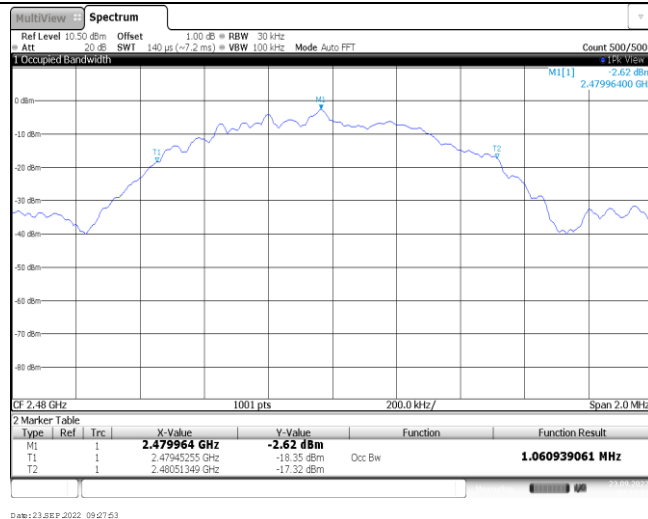
CH00



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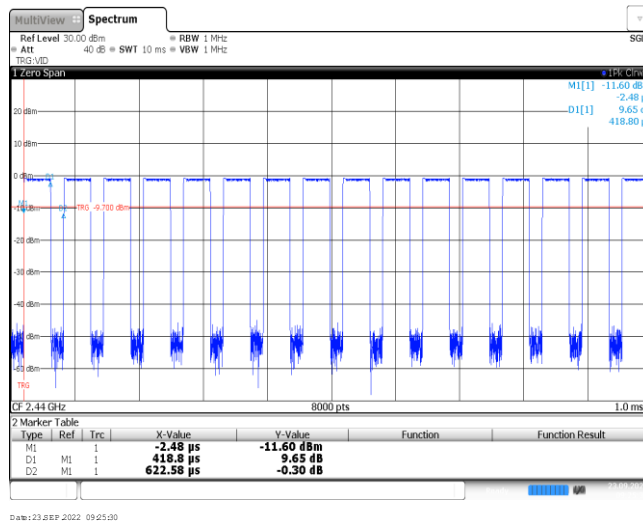


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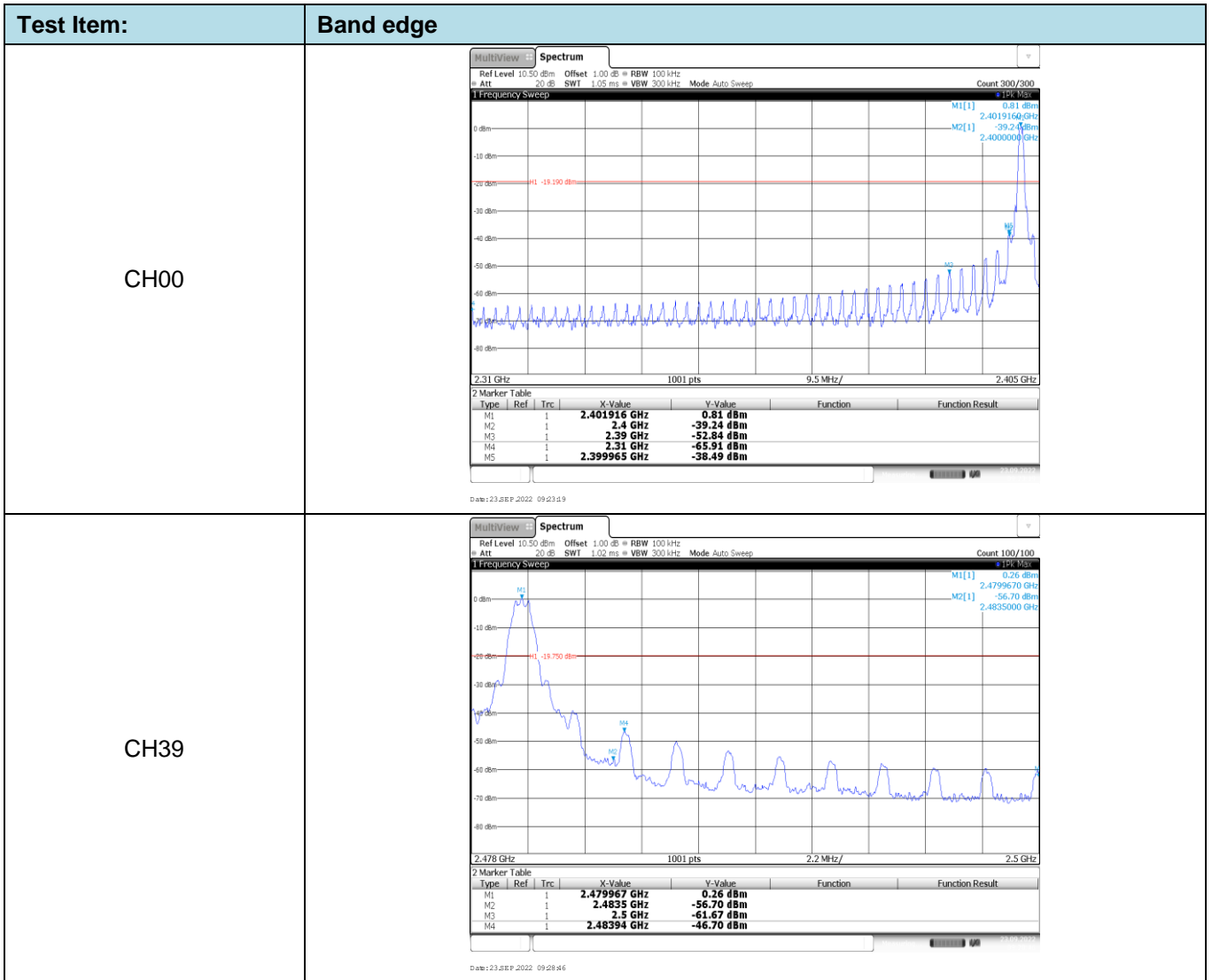


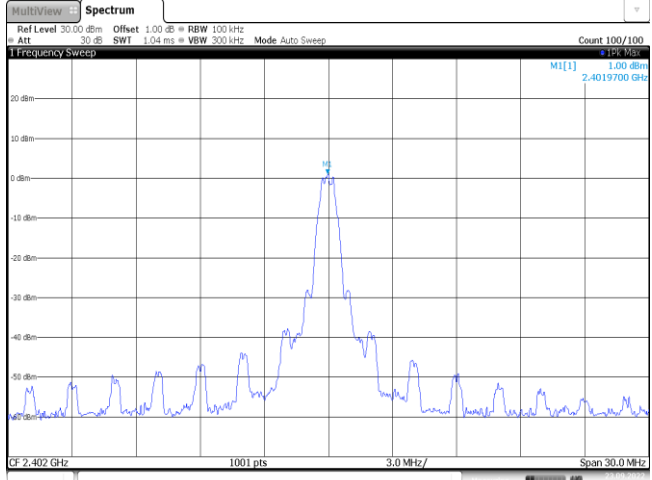
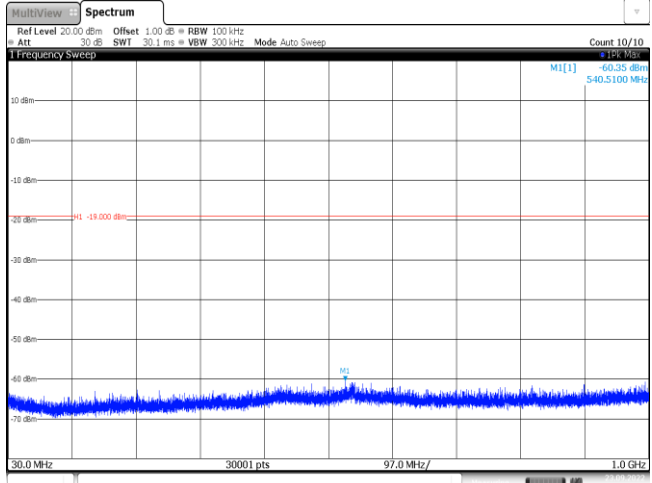
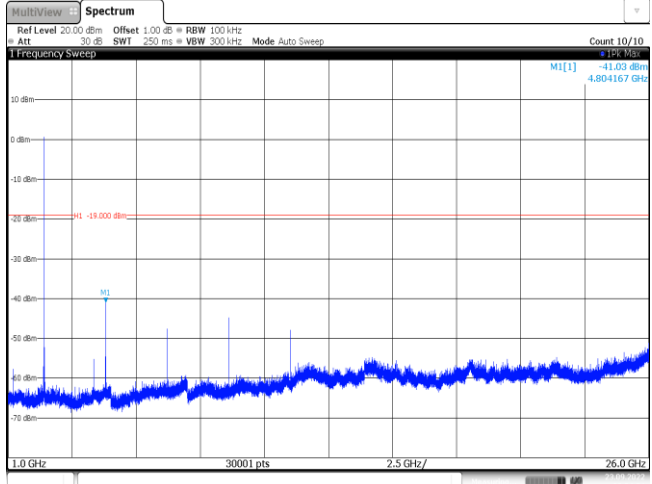
Appendix E: Duty cycle

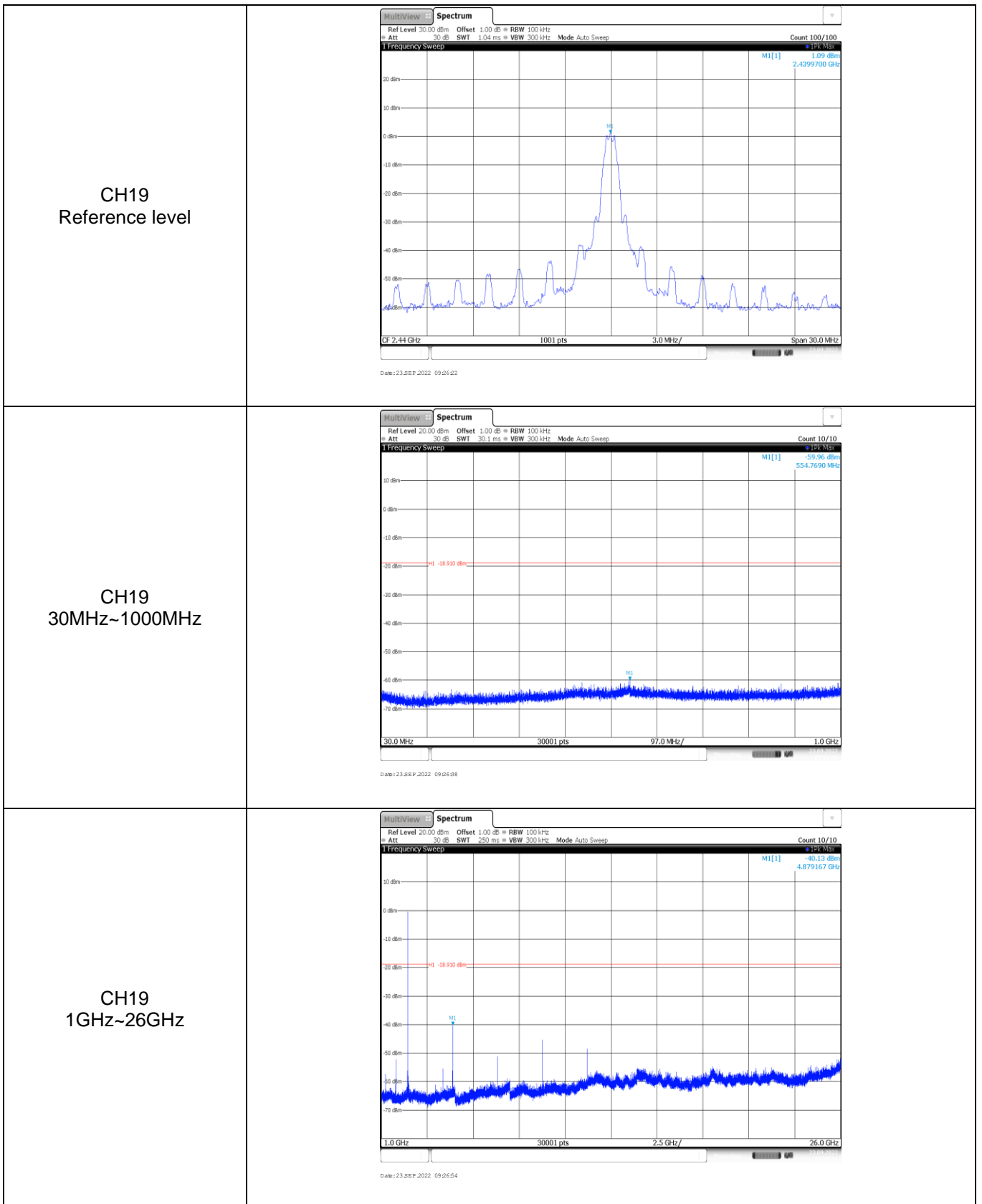
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.42	0.62	67.7%	2.4

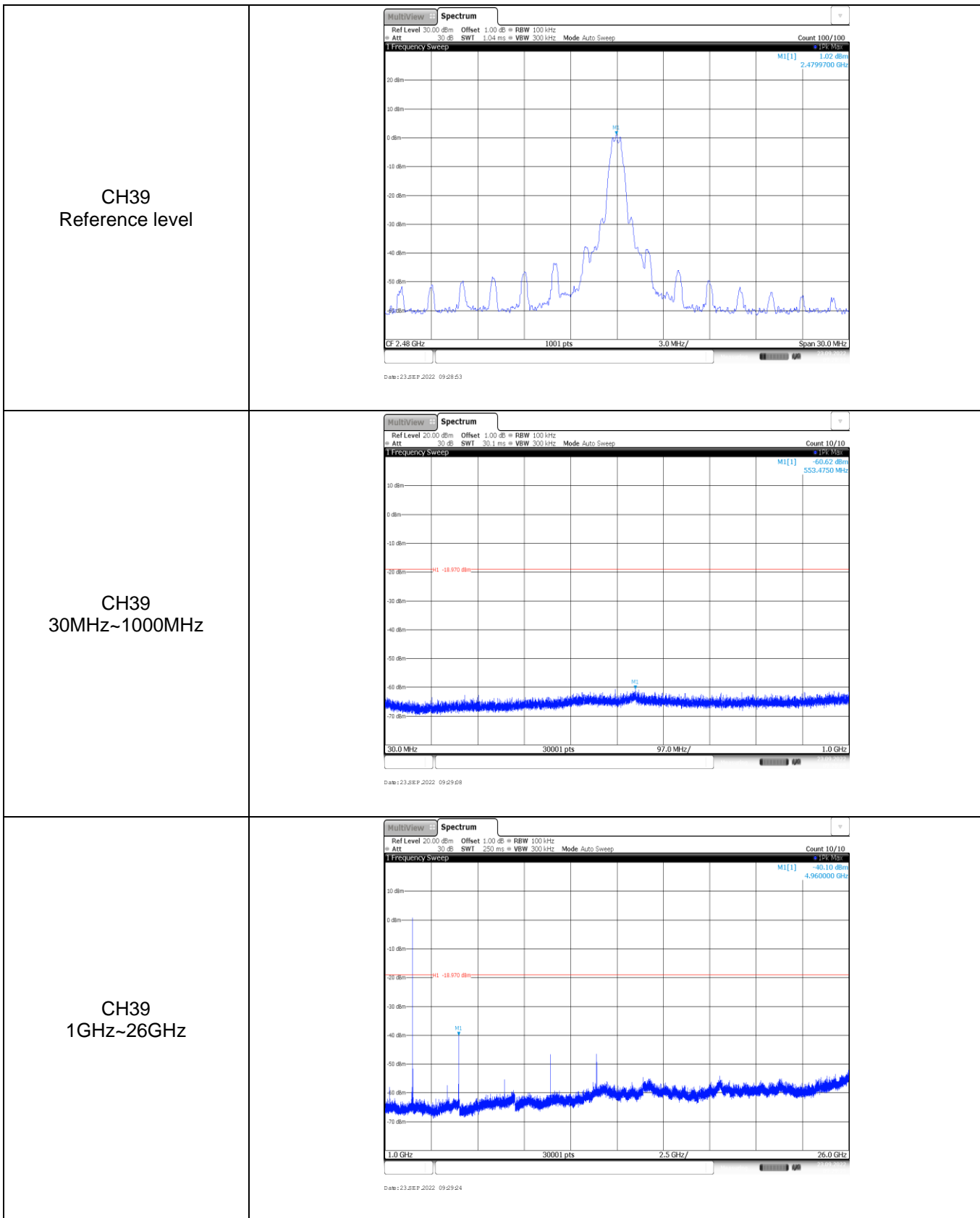


Appendix F: Band edge and Spurious Emissions (conducted)



Test Item:	SE
<p>CH00 Reference level</p>	 <p>MultiView Spectrum 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 1 Frequency Sweep MI[1] 1.00 dBm 2.4019700 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 23 SEP 2022 09:23:27</p>
<p>CH00 30MHz~1000MHz</p>	 <p>MultiView Spectrum 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 1 Frequency Sweep MI[1] -60.35 dBm 540.5100 MHz H1 -19.00 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 23 SEP 2022 09:23:43</p>
<p>CH00 1GHz~26GHz</p>	 <p>MultiView Spectrum 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 1 Frequency Sweep MI[1] -41.03 dBm 4.804167 GHz H1 -19.00 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 23 SEP 2022 09:24:04</p>





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