

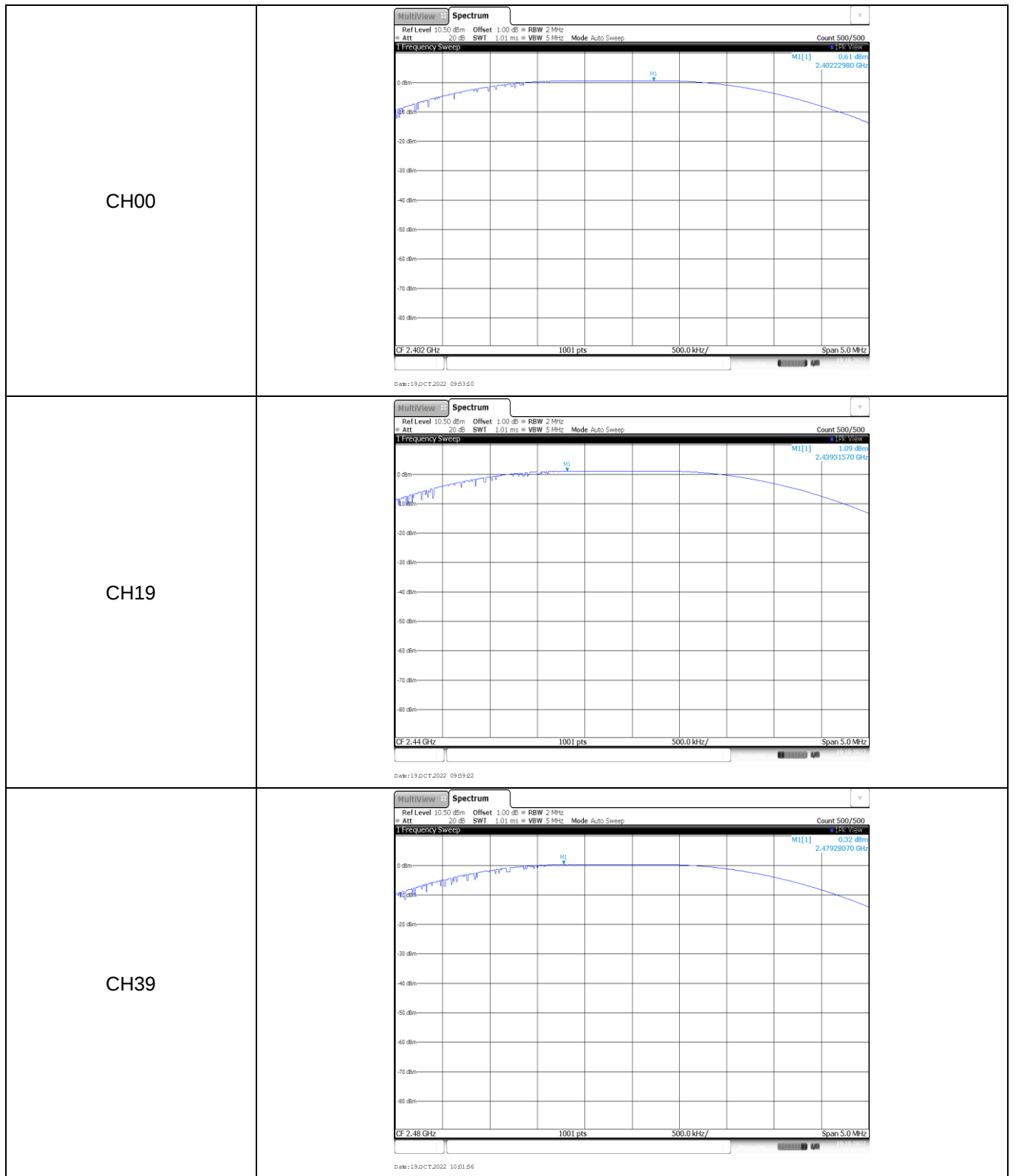
APPENDIX REPORT

Project No.	SHT2206102902EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22061029004	Model No.	AES-U373
Start test date	2022-08-08	Finish date	2022-10-19
Temperature	25.9℃	Humidity	36%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhuo

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

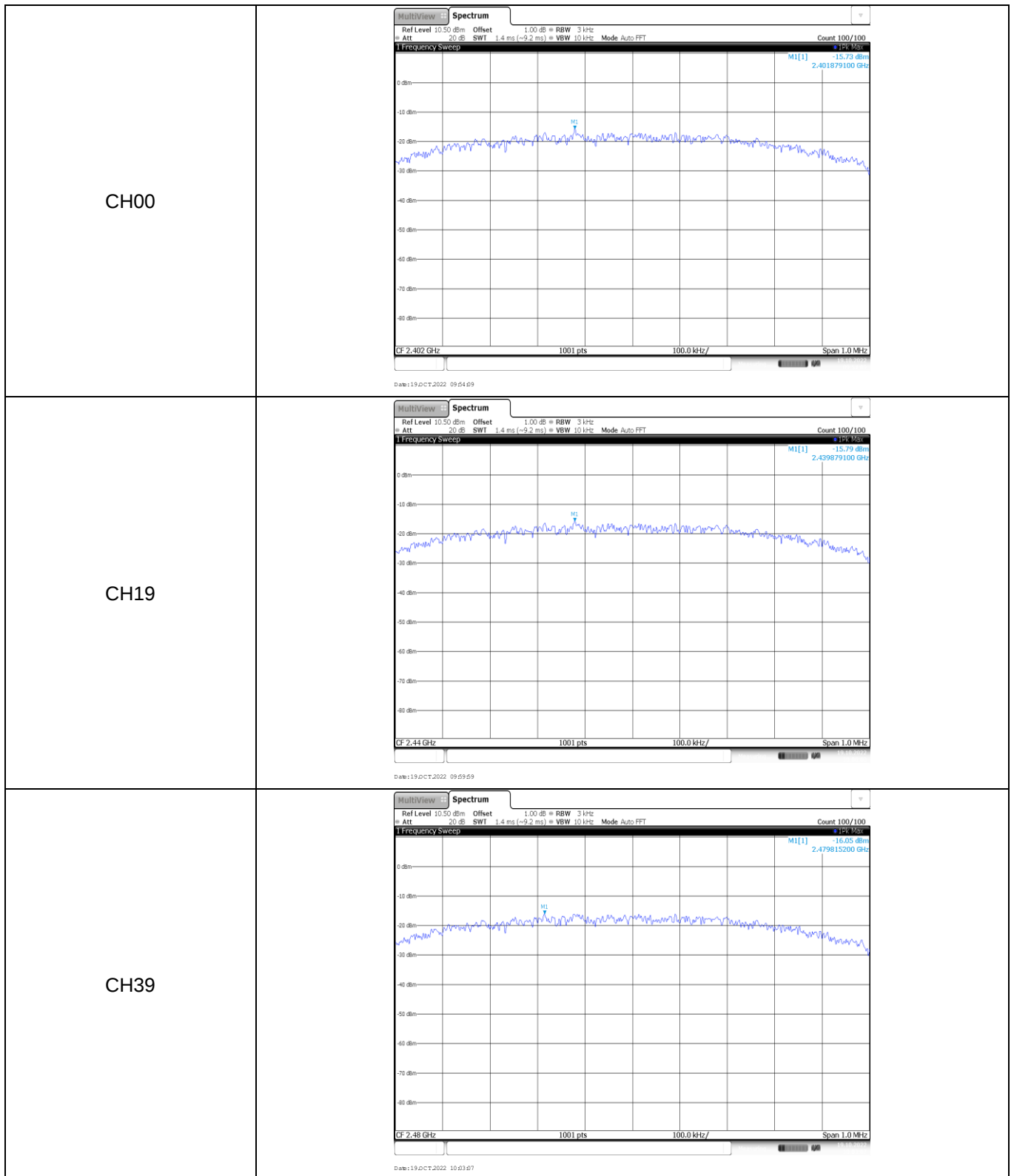
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	0.61	0.58	≤ 30.00	Pass
	19	1.09	0.84		
	39	0.32	0.27		



Appendix B: Power Spectral Density

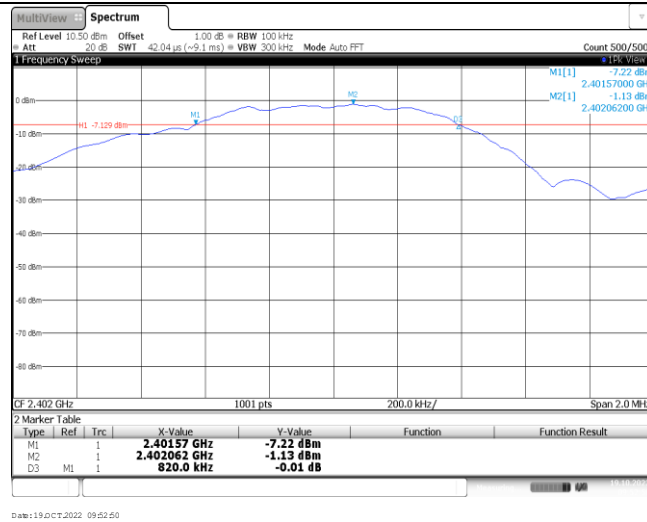
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-15.73	≤8.00	Pass
	19	-15.79		
	39	-16.05		



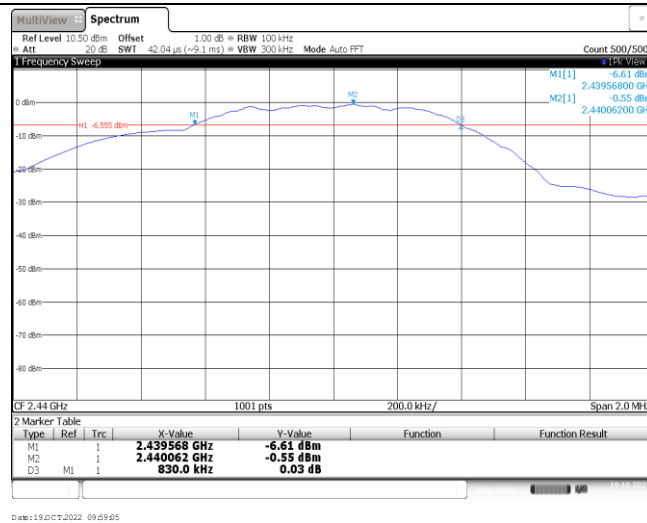
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	820.00	≥500	Pass
	19	830.00		
	39	826.00		

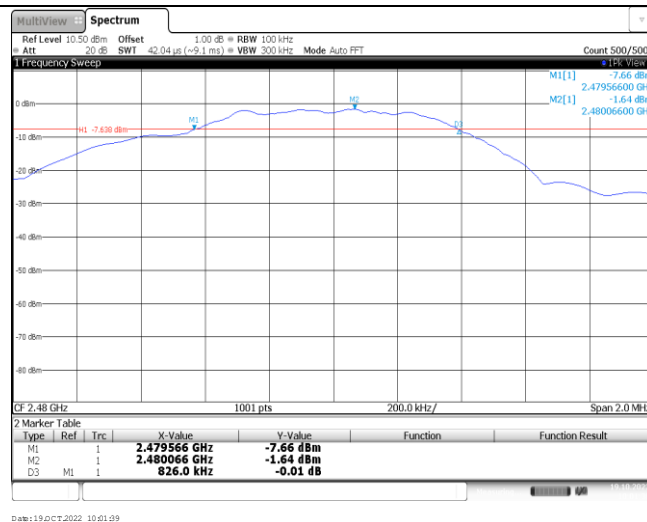
CH00



CH19



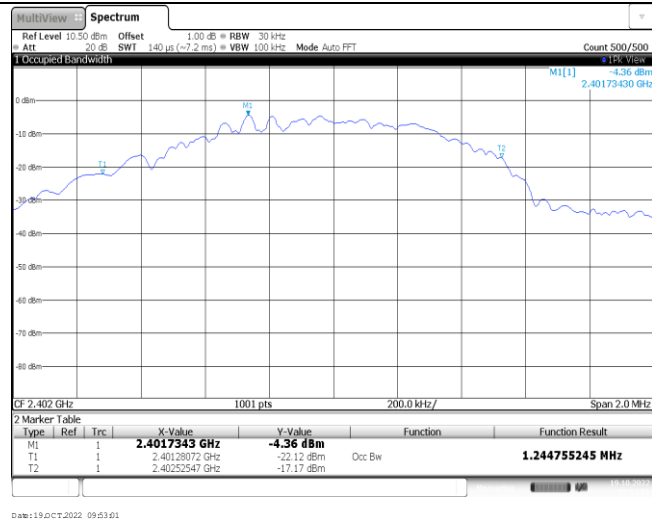
CH39



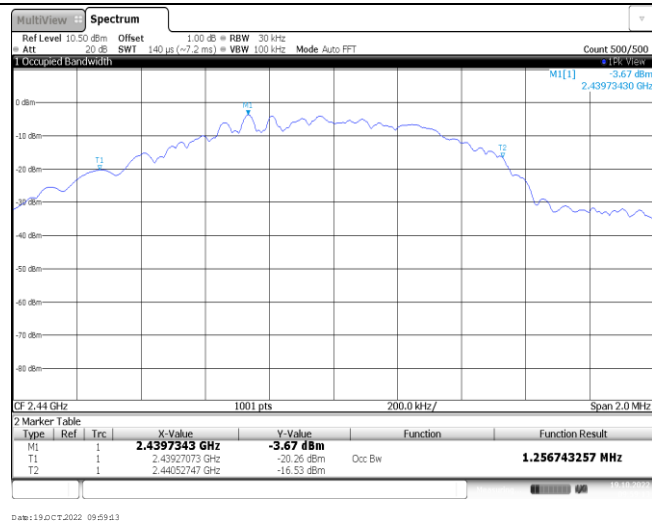
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.24	-	Pass
	19	1.26		
	39	1.23		

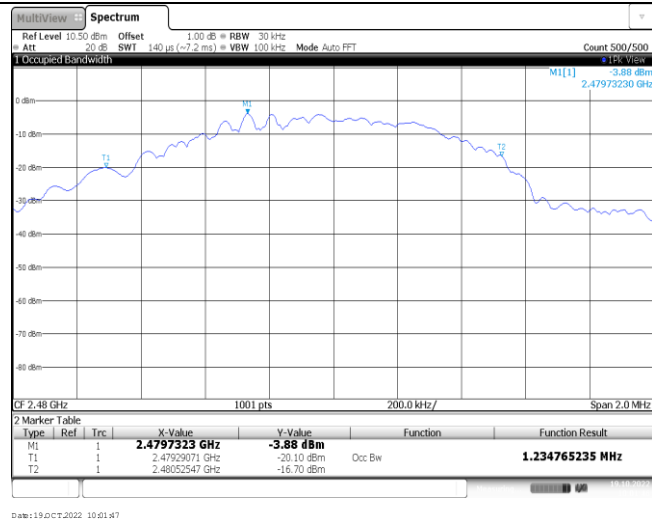
CH00



CH19

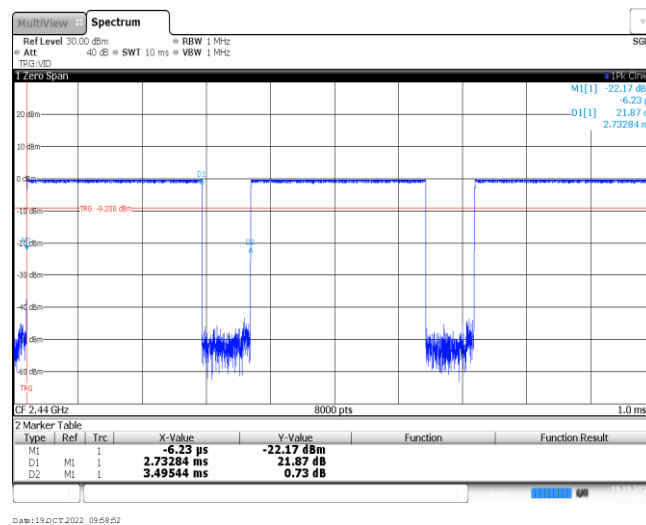


CH39



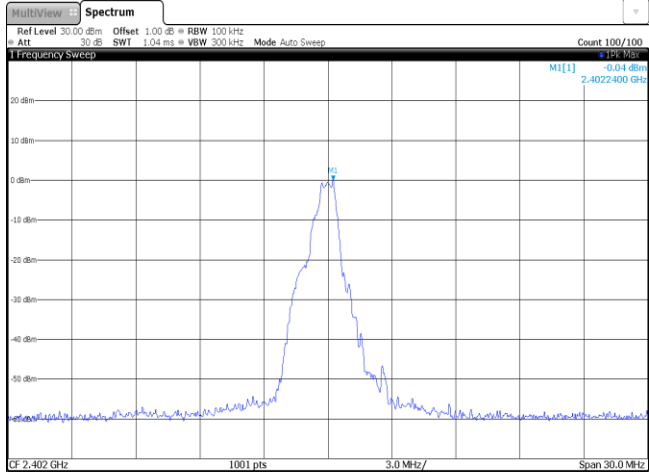
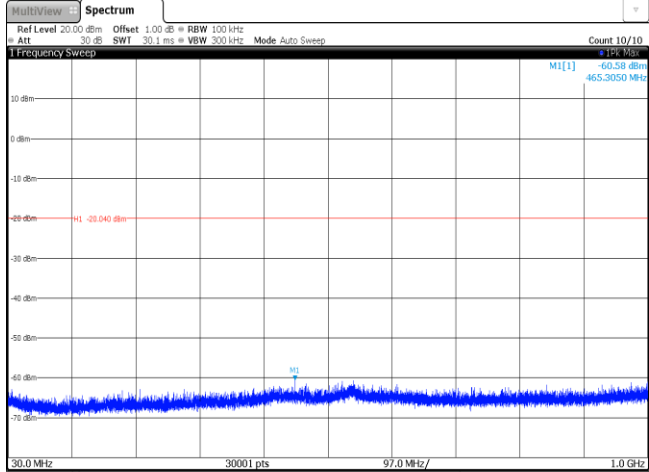
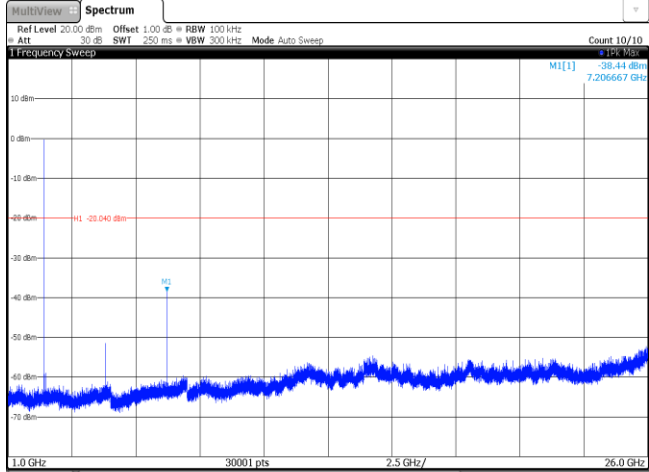
Appendix E: Duty cycle

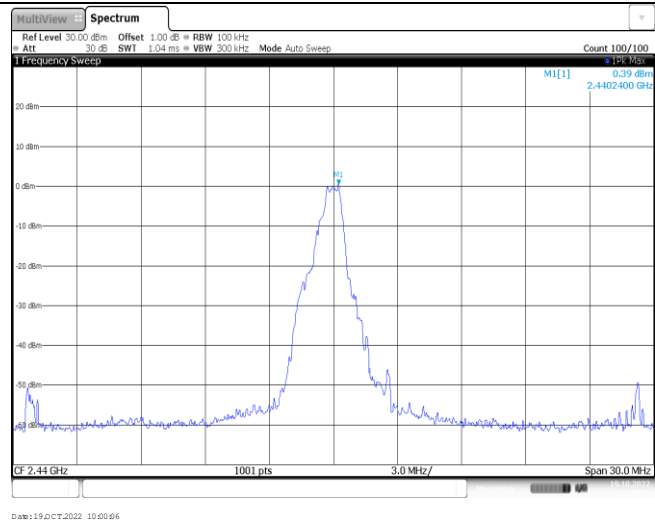
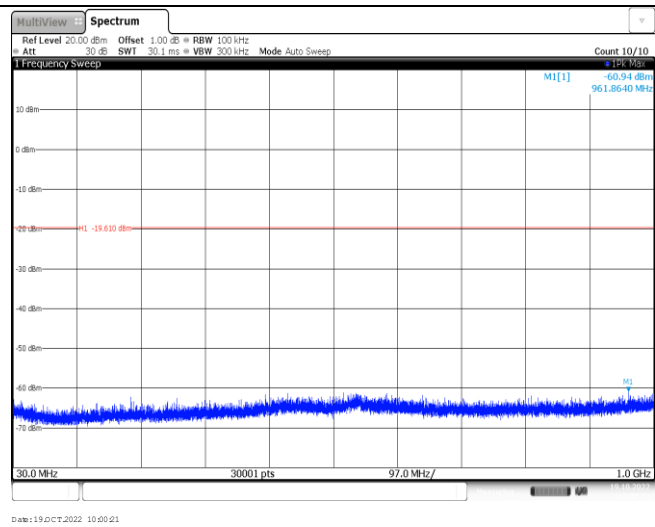
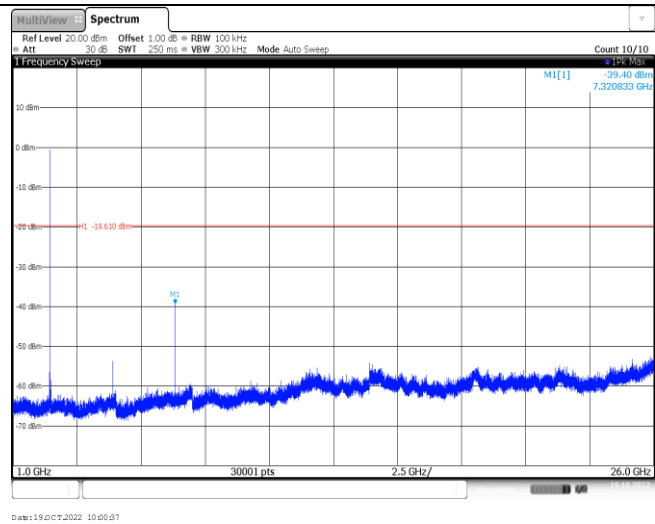
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	2.73	3.50	78.0%	0.4

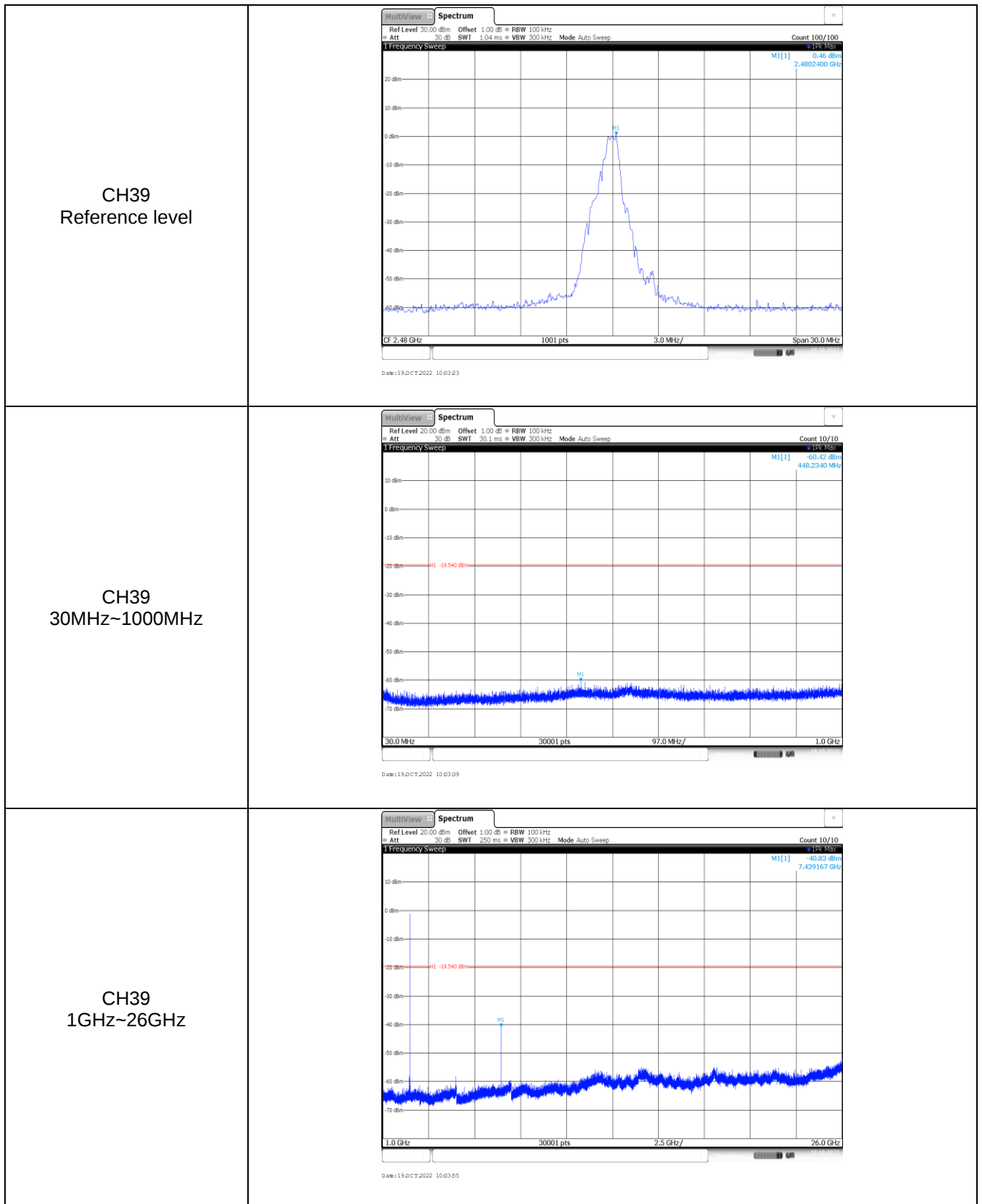


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge
CH00	MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 100 kHz Att 20 dB SW 1.05 ms VBW 300 kHz Mode Auto Sweep Count 300/300 Frequency Sweep 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz M1[1] -0.29 dBm M2[1] -39.32 dBm M3[1] -70.69 dBm M4[1] -73.70 dBm M5[1] -42.97 dBm 2.4022 GHz 2.4 GHz 2.39 GHz 2.31 GHz 2.399965 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 0.19 dBm -55.04 dBm -72.45 dBm -54.84 dBm 2.480231 GHz 2.4833 GHz 2.5 GHz 2.483588 GHz 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Test Item:	SE
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -0.04 dBm 2.4022400 GHz 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 19/OCT/2022 10:12:59
CH00 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.58 dBm 465.3050 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 19/OCT/2022 10:13:15
CH00 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -36.44 dBm 7.206667 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 19/OCT/2022 10:13:31

CH19
Reference levelCH19
30MHz~1000MHzCH19
1GHz~26GHz



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