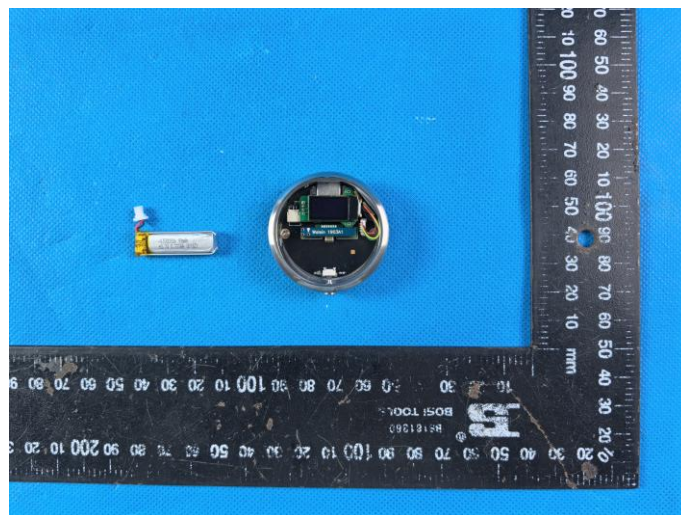
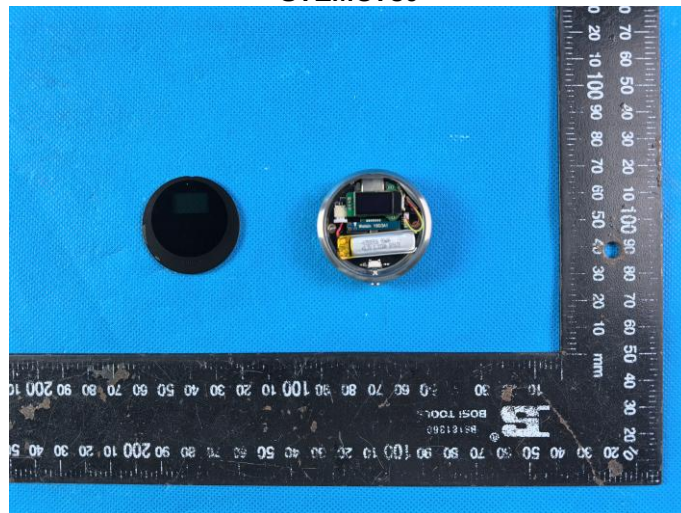
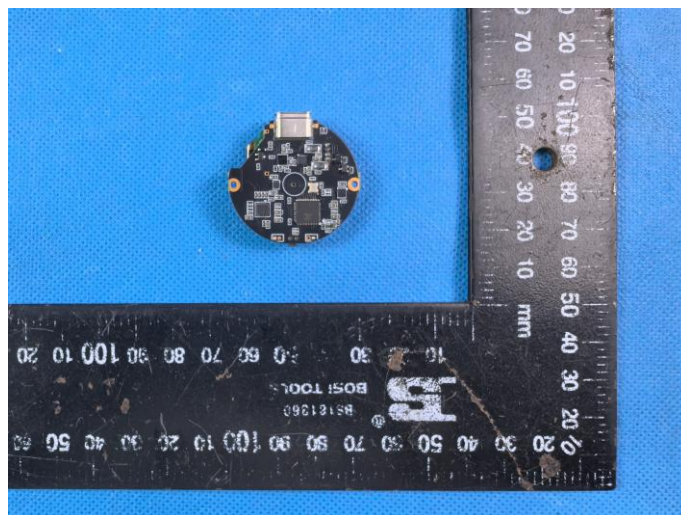
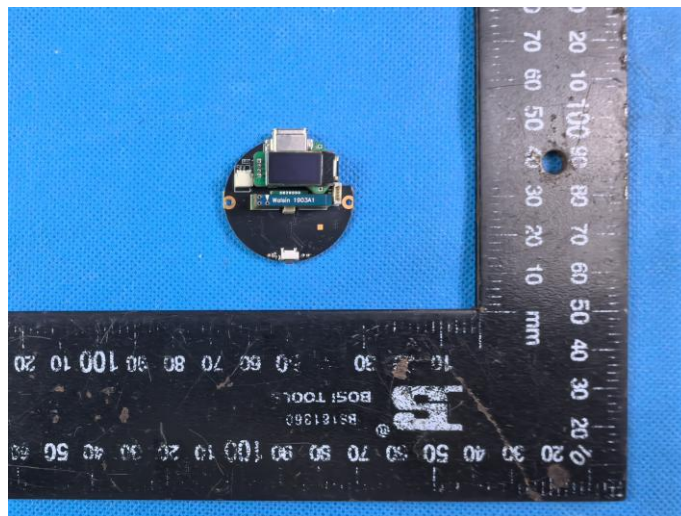
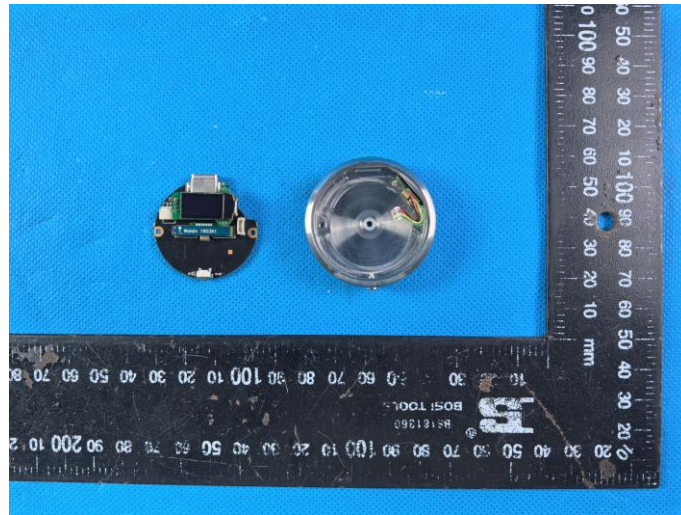
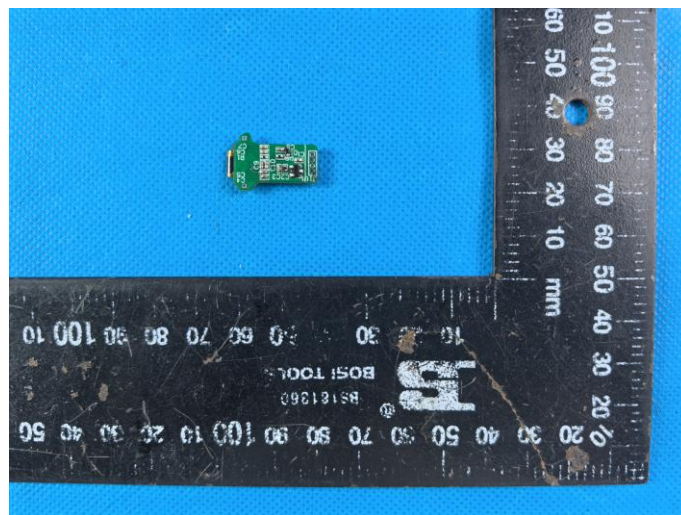
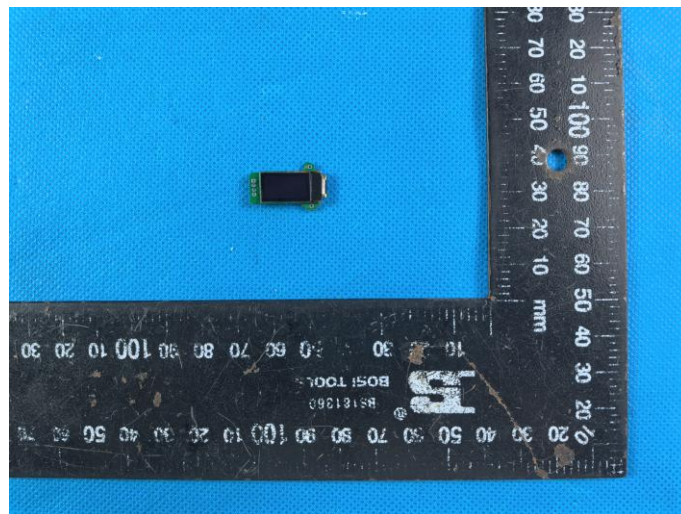
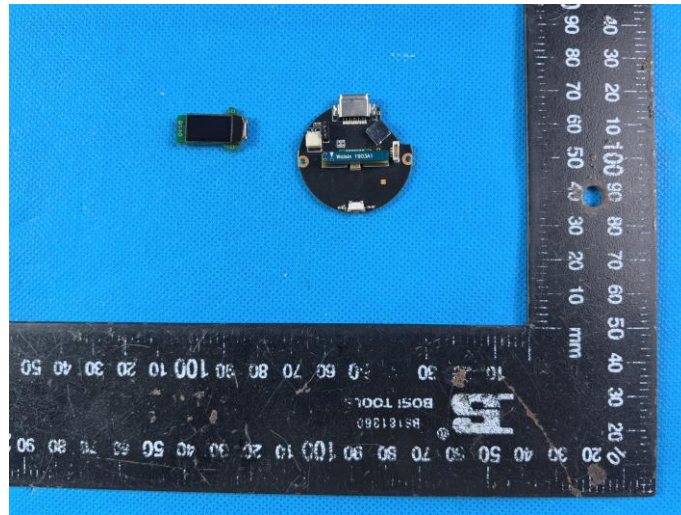


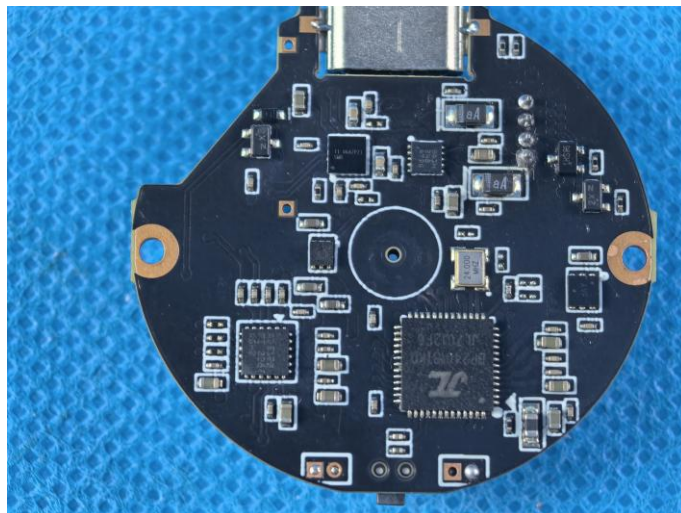
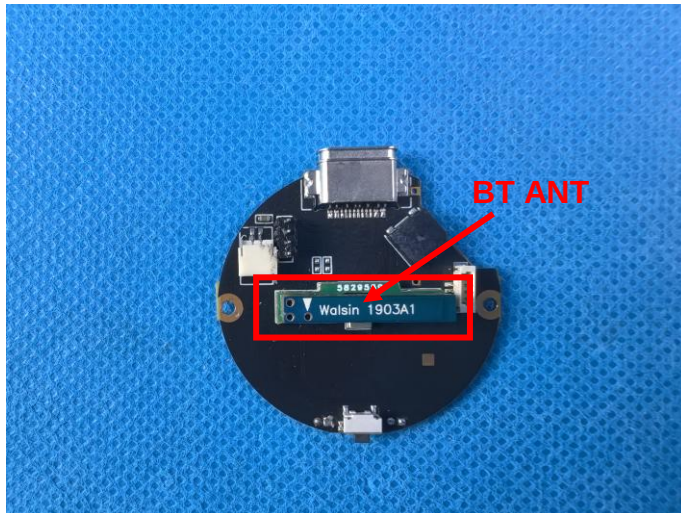
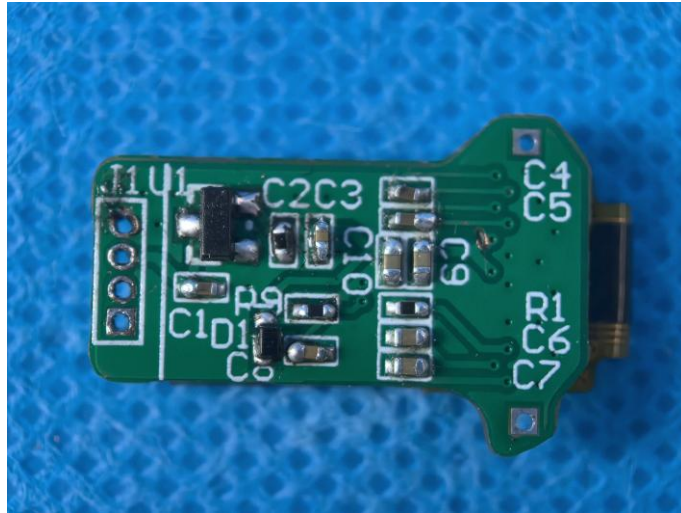
7.2. Internal Photos

STEMO730

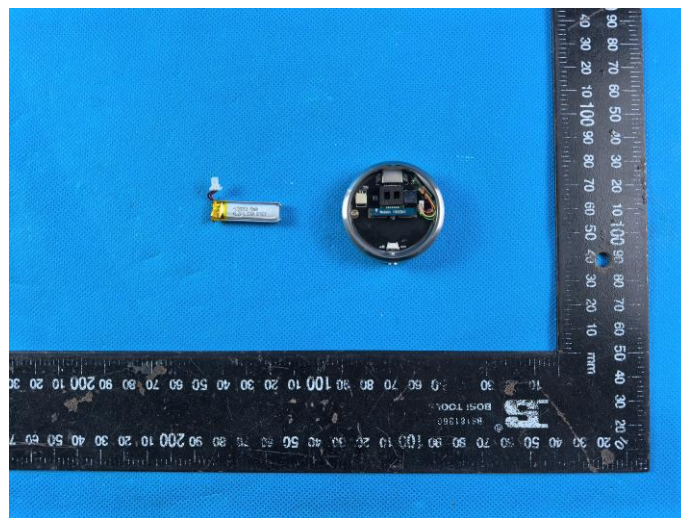
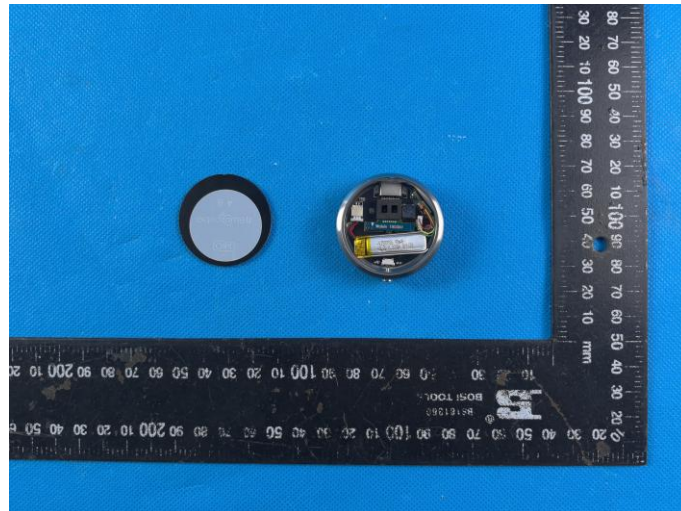


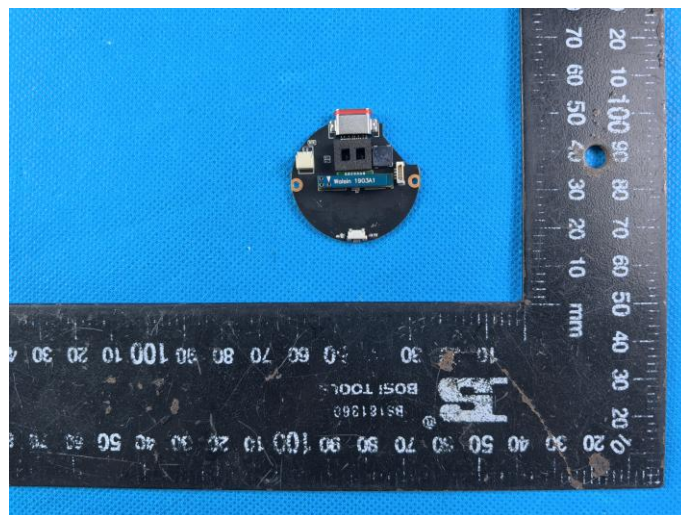
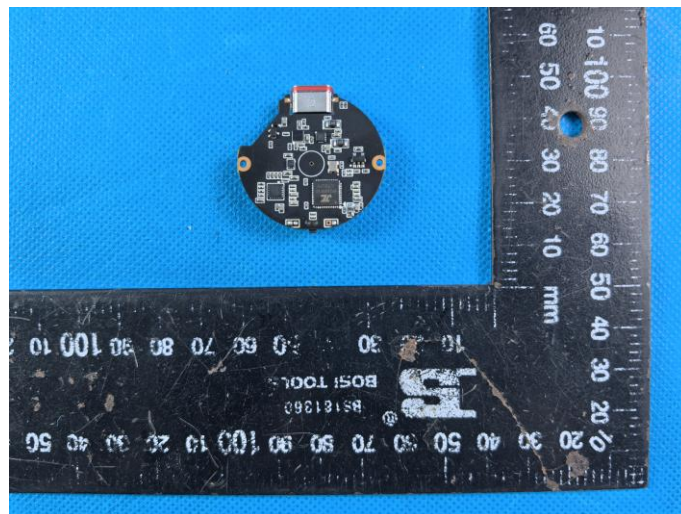
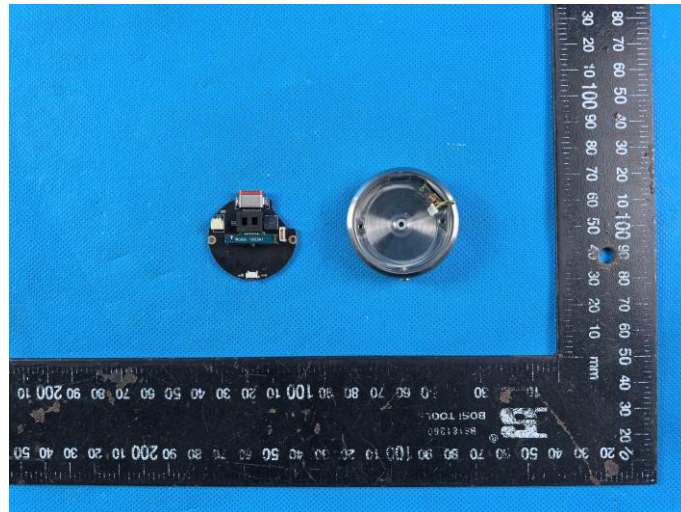


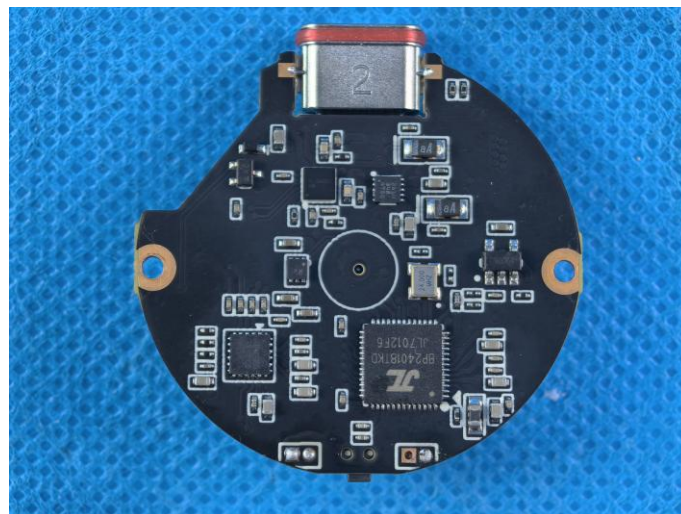
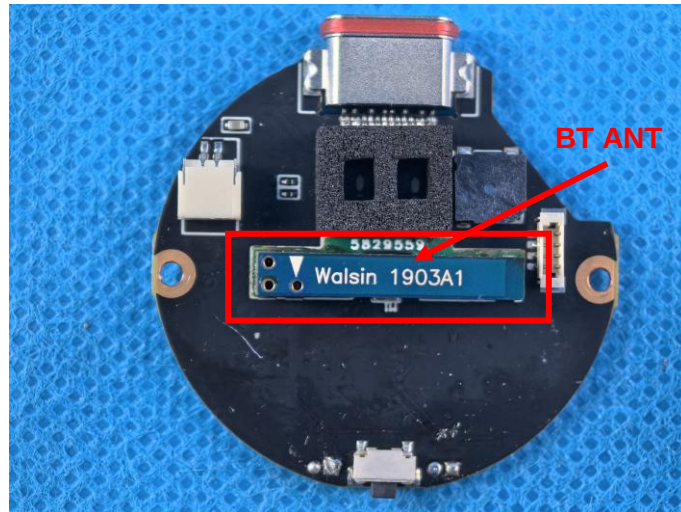




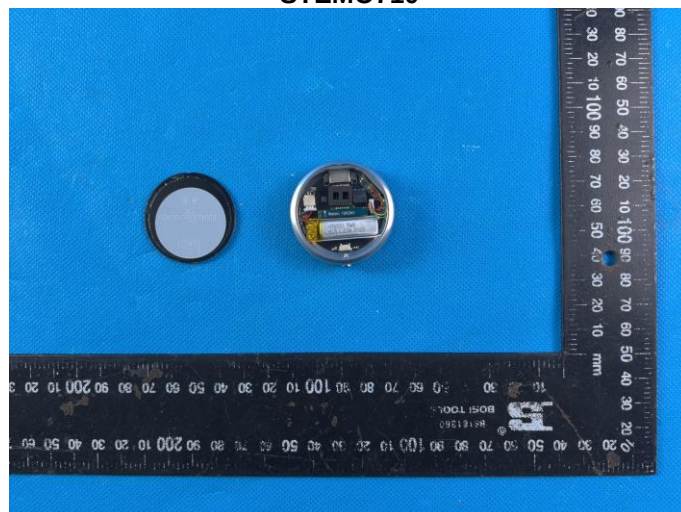
STEMO720

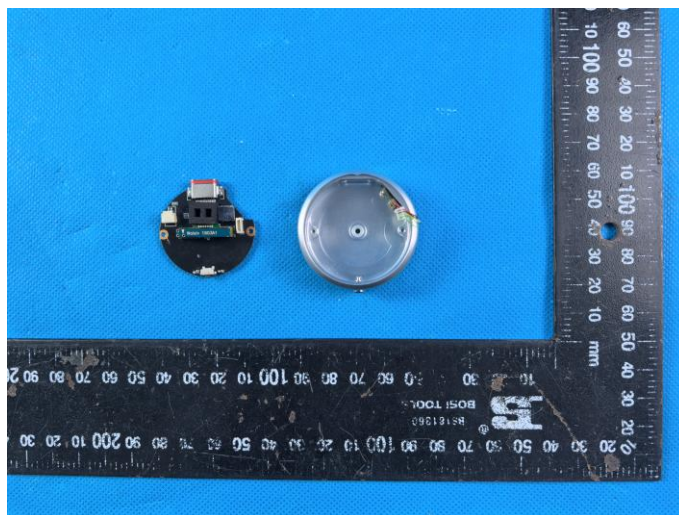
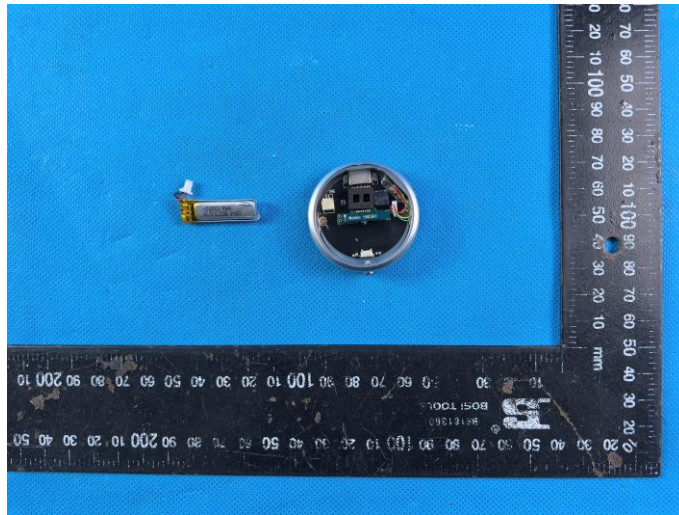


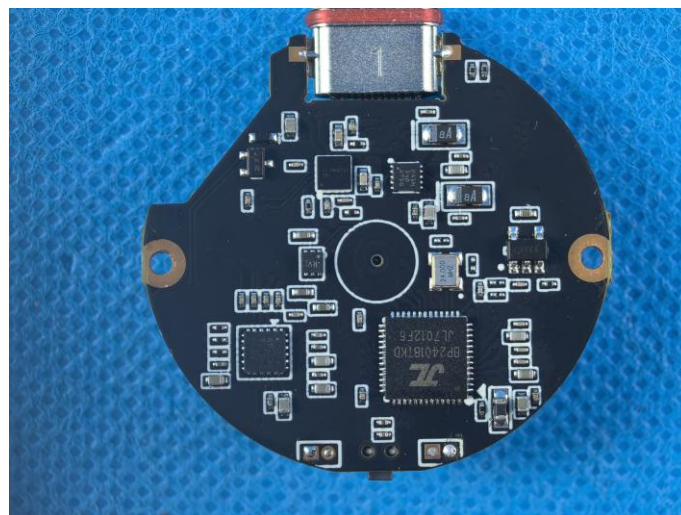
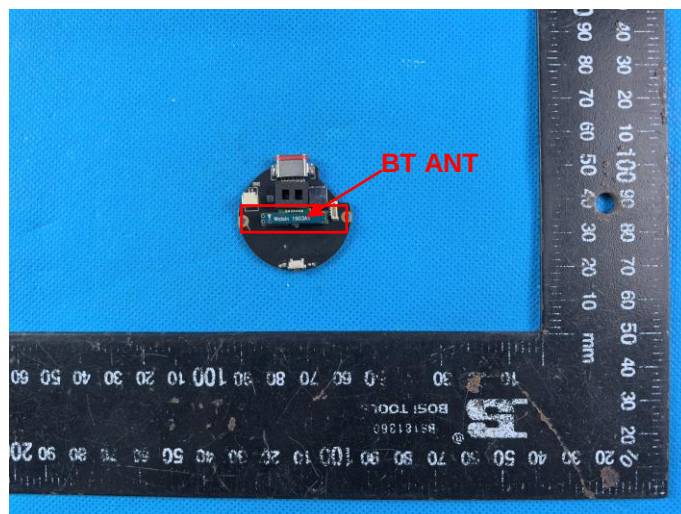
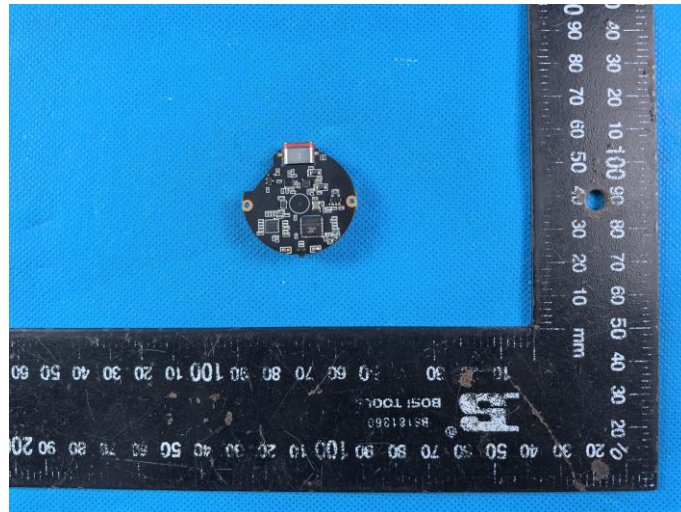




STEMO710







8. APPENDIX REPORT

APPENDIX REPORT

Project No.	SHT2503077504W	Radio Specification	Bluetooth BLE
Test sample No.	YPHT25030775005	Model No.	STEMO730
Start test date	2025-03-31	Finish date	2025-04-01
Temperature	20.5℃	Humidity	52%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhu

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

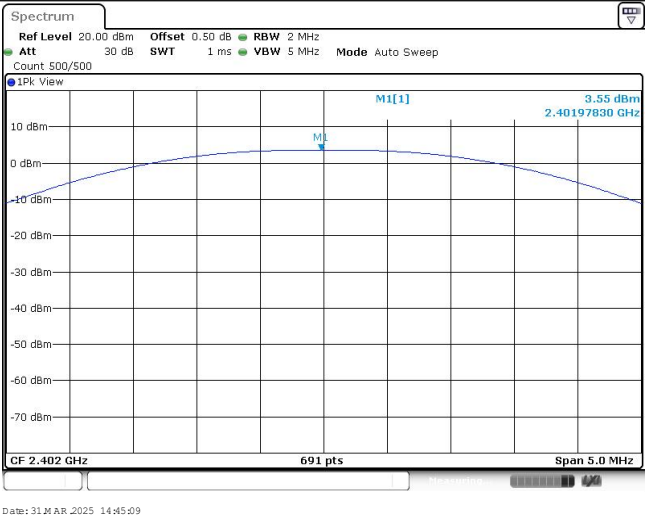
Appendix A: Peak Output Power

Test rate	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
1Mbps	00	3.55	3.42	≤ 30.00	Pass
	19	3.54	3.46		
	39	3.91	3.81		
2Mbps	00	3.37	3.27	≤ 30.00	Pass
	19	3.74	3.65		
	39	4.13	4.08		

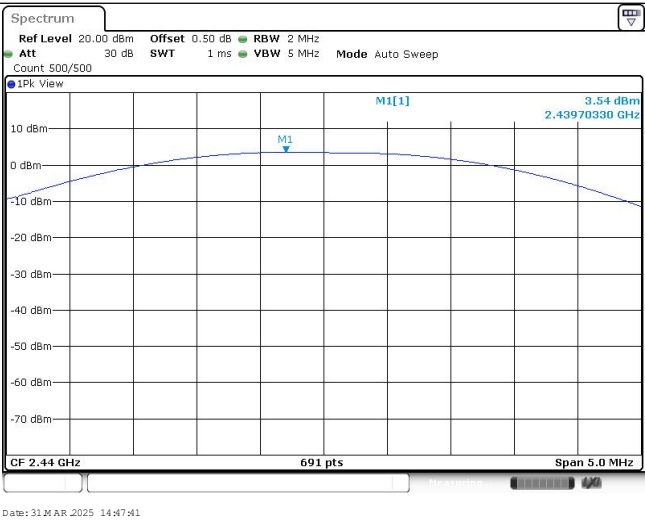
Test rate:

1Mbps

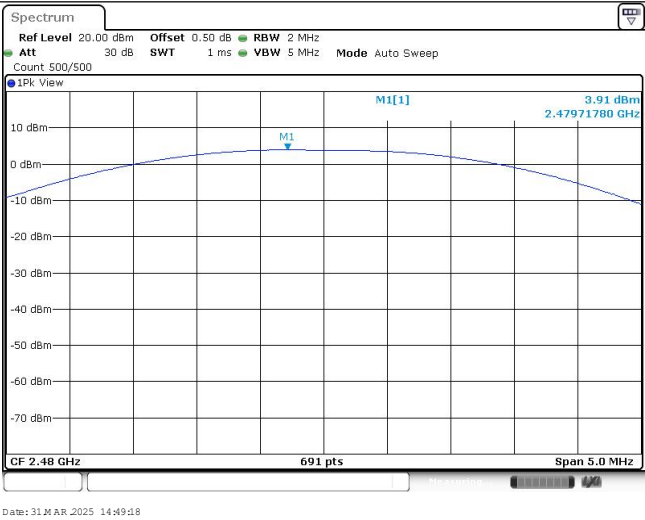
CH00



CH19



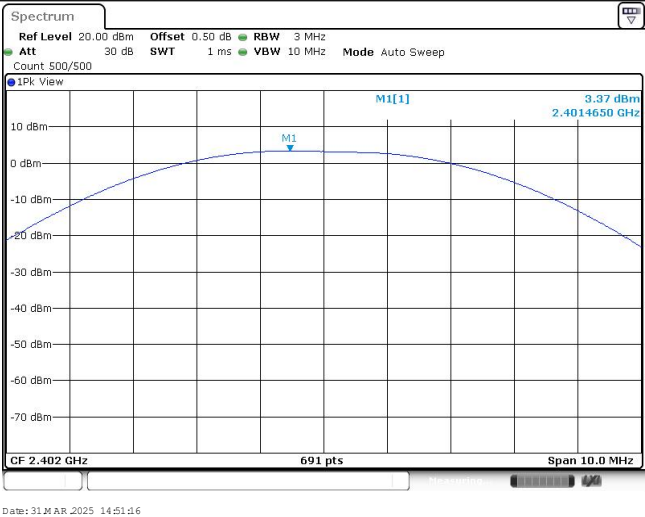
CH39



Test rate:

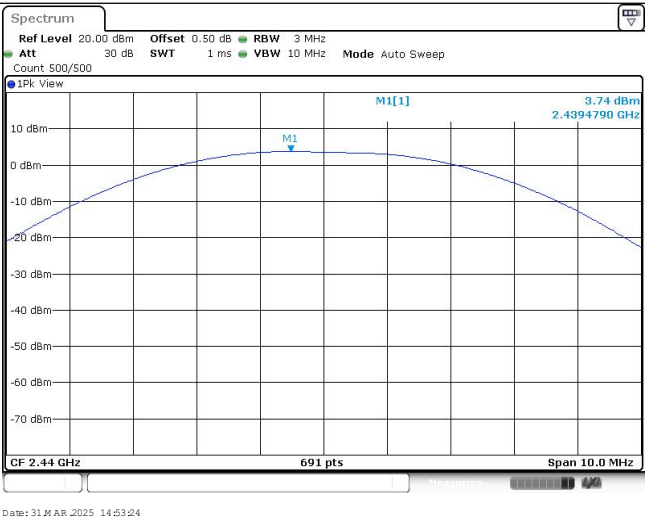
2Mbps

CH00



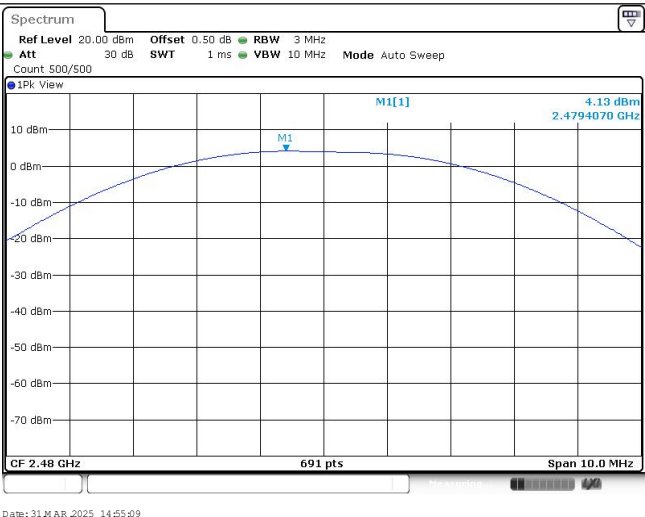
Date: 31 MAR 2025 14:51:16

CH19



Date: 31 MAR 2025 14:53:24

CH39



Date: 31 MAR 2025 14:55:09

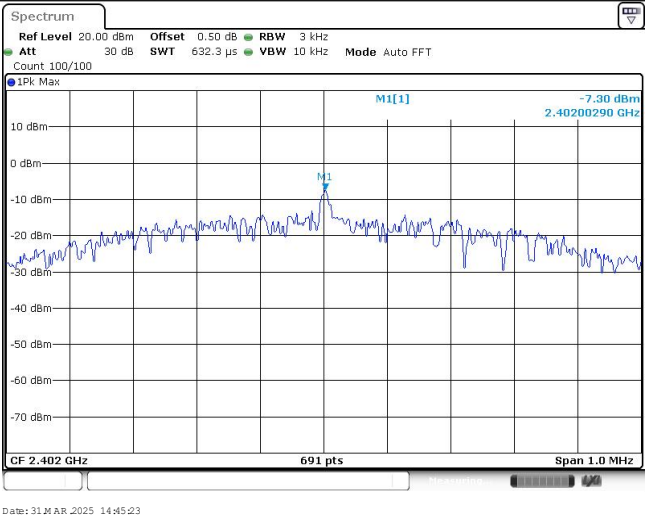
Appendix B: Power Spectral Density

Test rate	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
1Mbps	00	-7.30	≤8.00	Pass
	19	-8.11		
	39	-7.68		
2Mbps	00	-8.47	≤8.00	Pass
	19	-8.08		
	39	-7.77		

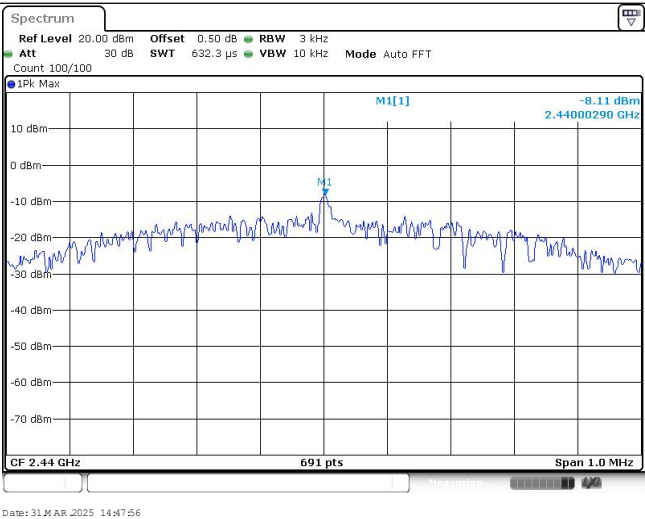
Test rate:

1Mbps

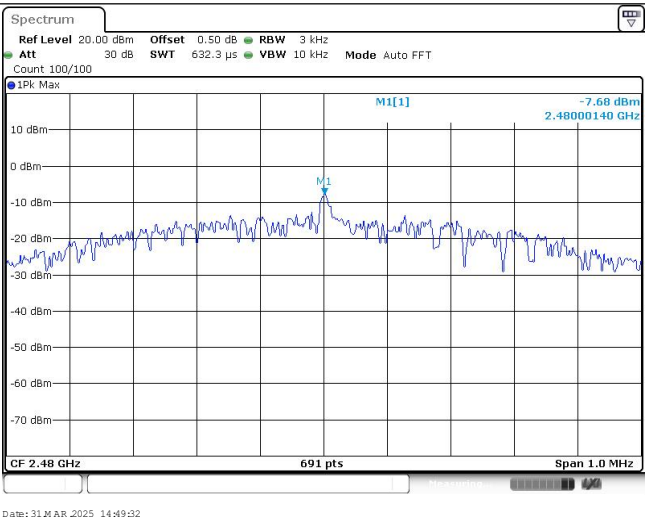
CH00



CH19



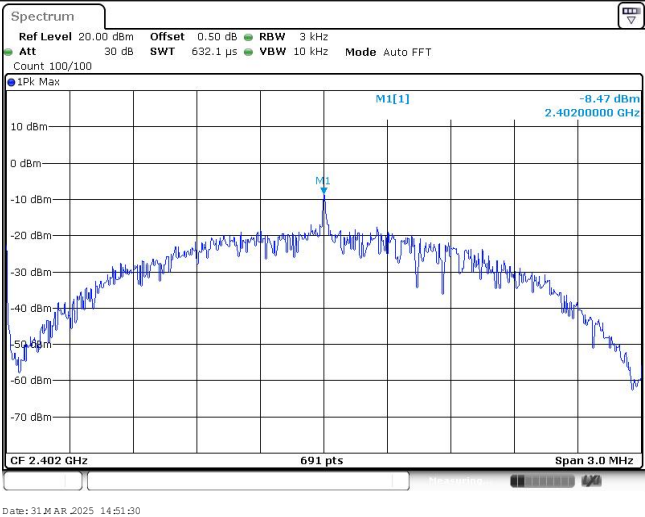
CH39



Test rate:

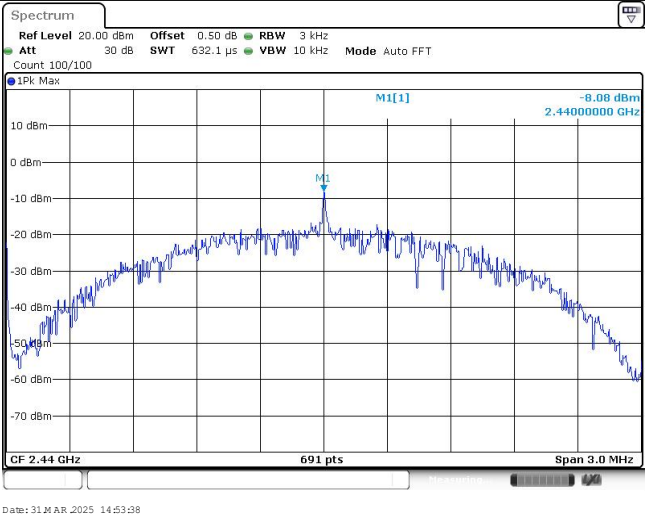
2Mbps

CH00



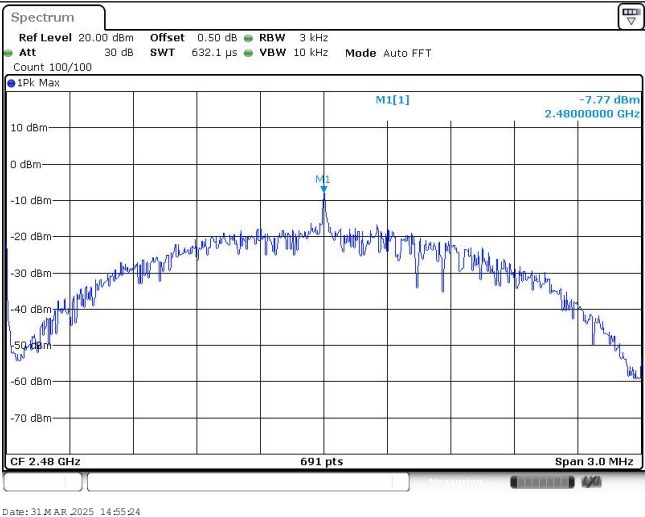
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CH19



Date: 31 Mar 2025 14:53:38

CH39



Date: 31 Mar 2025 14:55:24

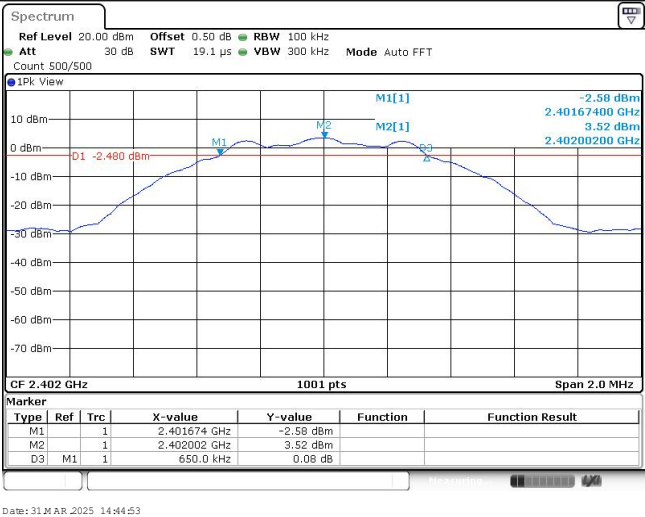
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
1Mbps	00	650.00	≥500	Pass
	19	672.00		
	39	664.00		
2Mbps	00	1155.00	≥500	Pass
	19	1160.00		
	39	1155.00		

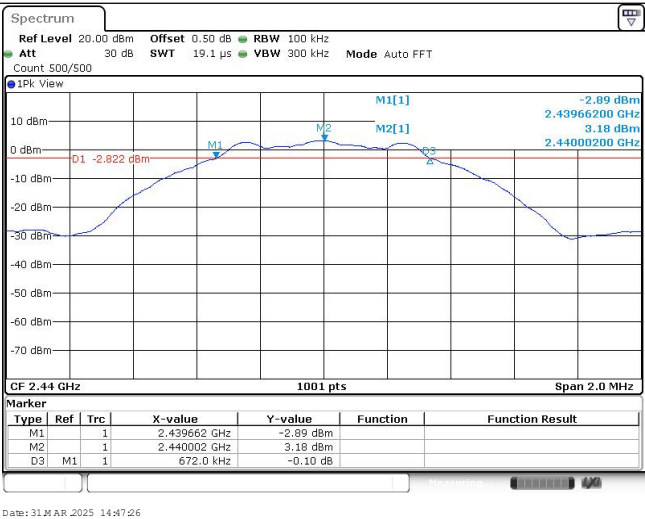
Test rate:

1Mbps

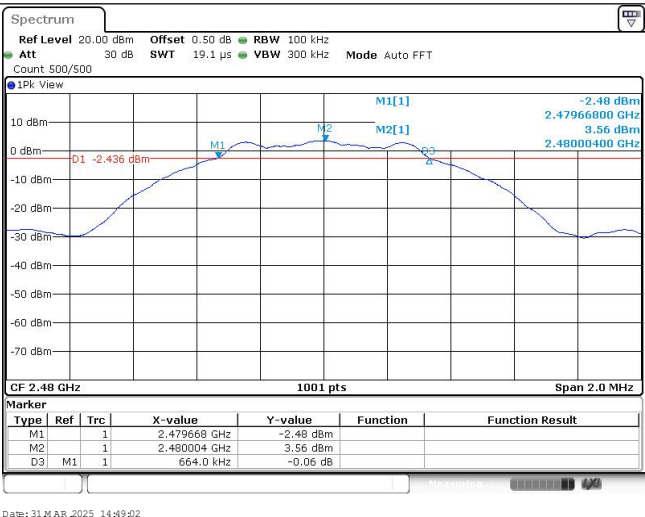
CH00



CH19



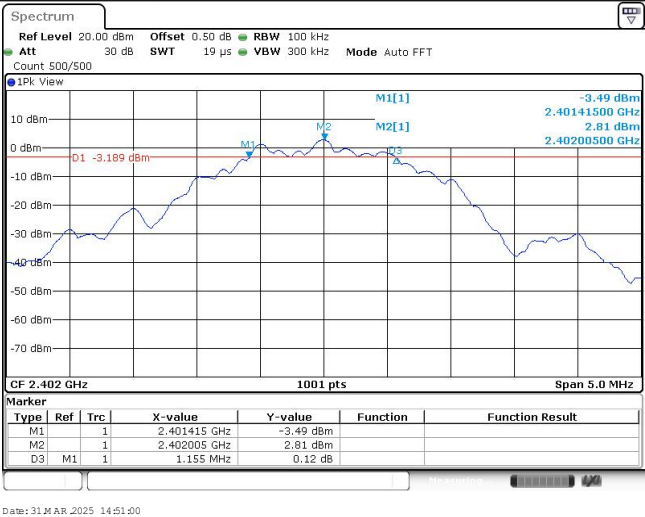
CH39



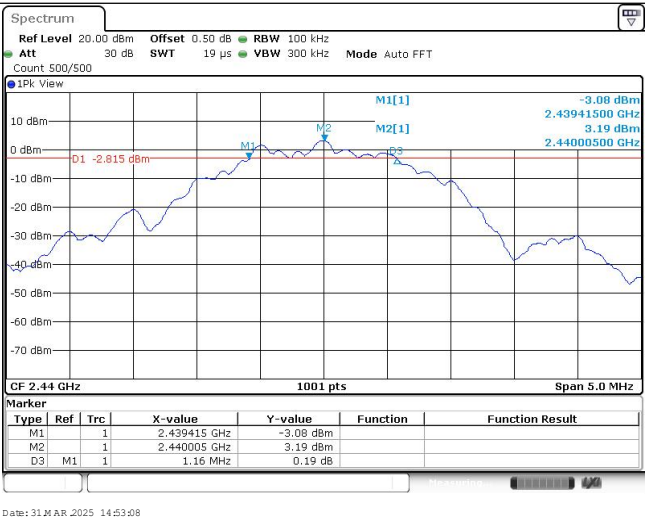
Test rate:

2Mbps

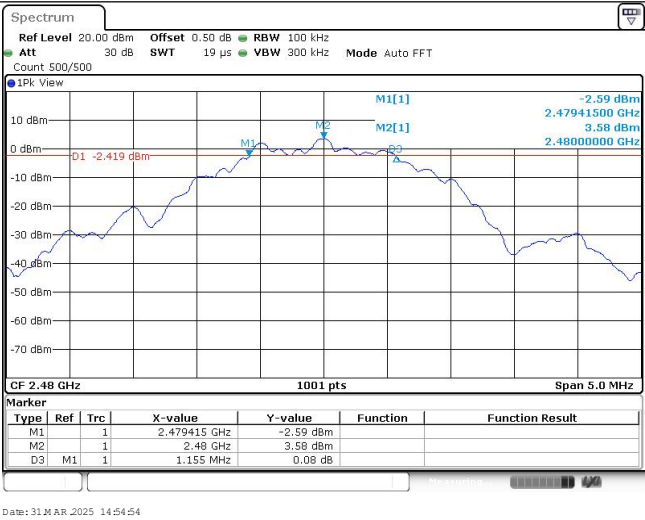
CH00



CH19



CH39



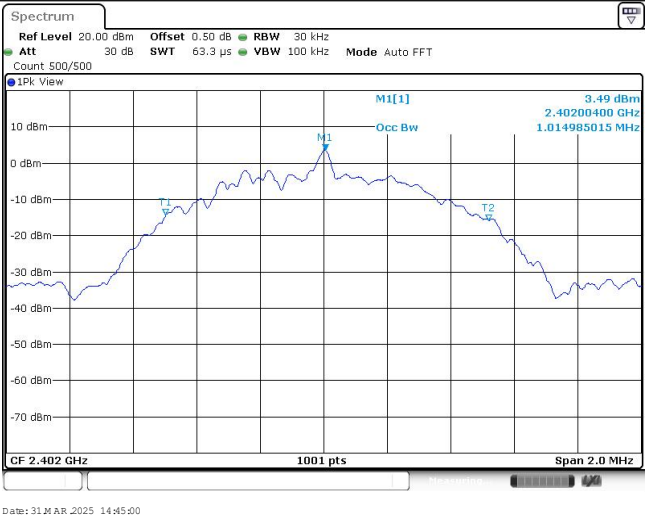
Appendix D: 99% Occupied Bandwidth

Test rate	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
1Mbps	00	1.01	-	Pass
	19	1.01		
	39	1.02		
2Mbps	00	2.04	-	Pass
	19	2.03		
	39	2.04		

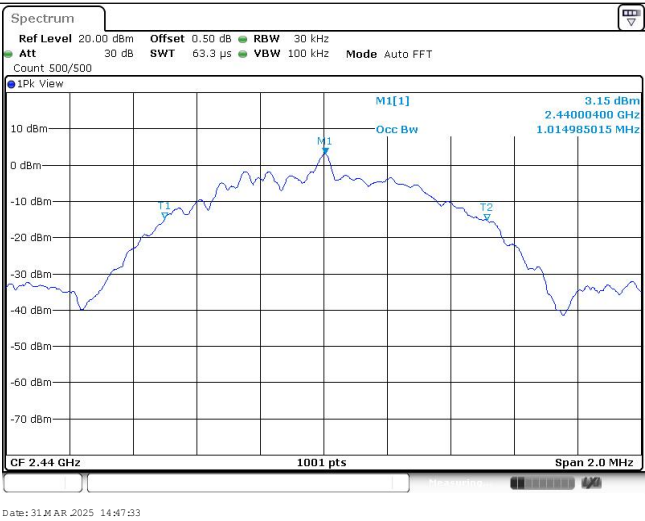
Test rate:

1Mbps

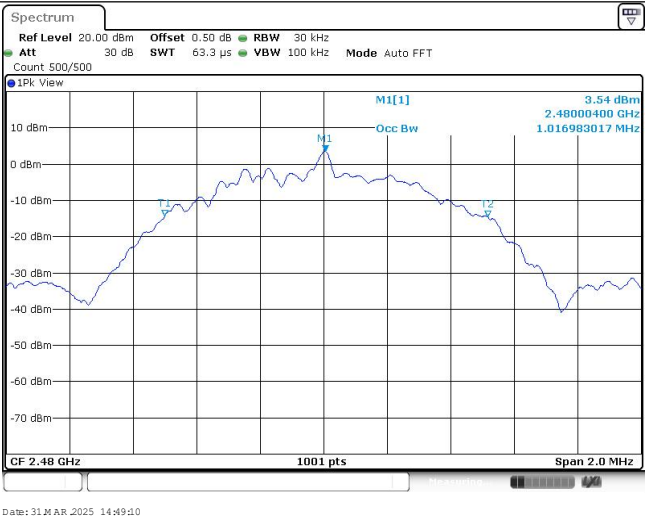
CH00



CH19



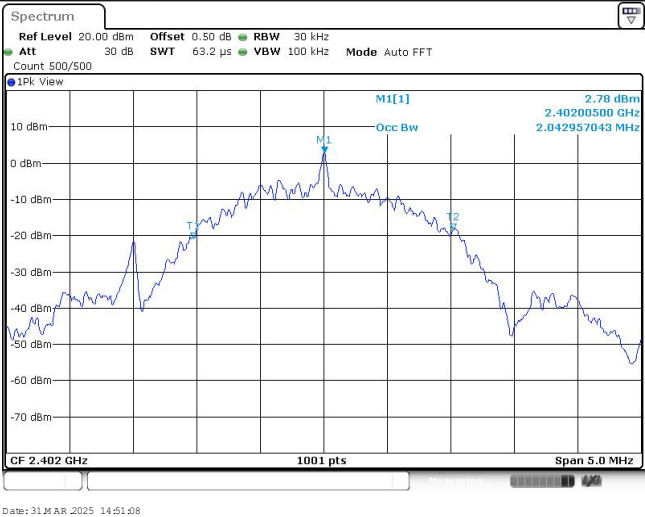
CH39



Test rate:

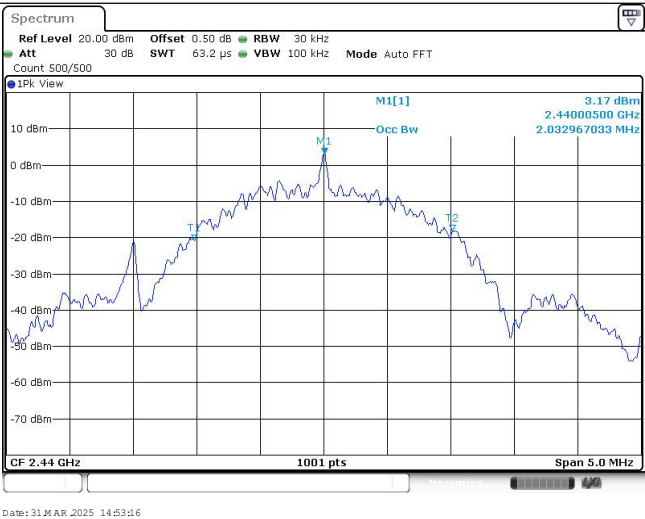
2Mbps

CH00



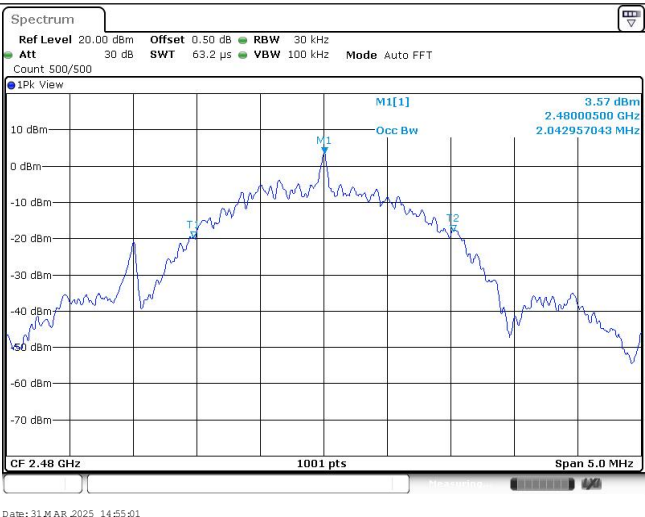
Date: 31 MAR 2025 14:51:08

CH19



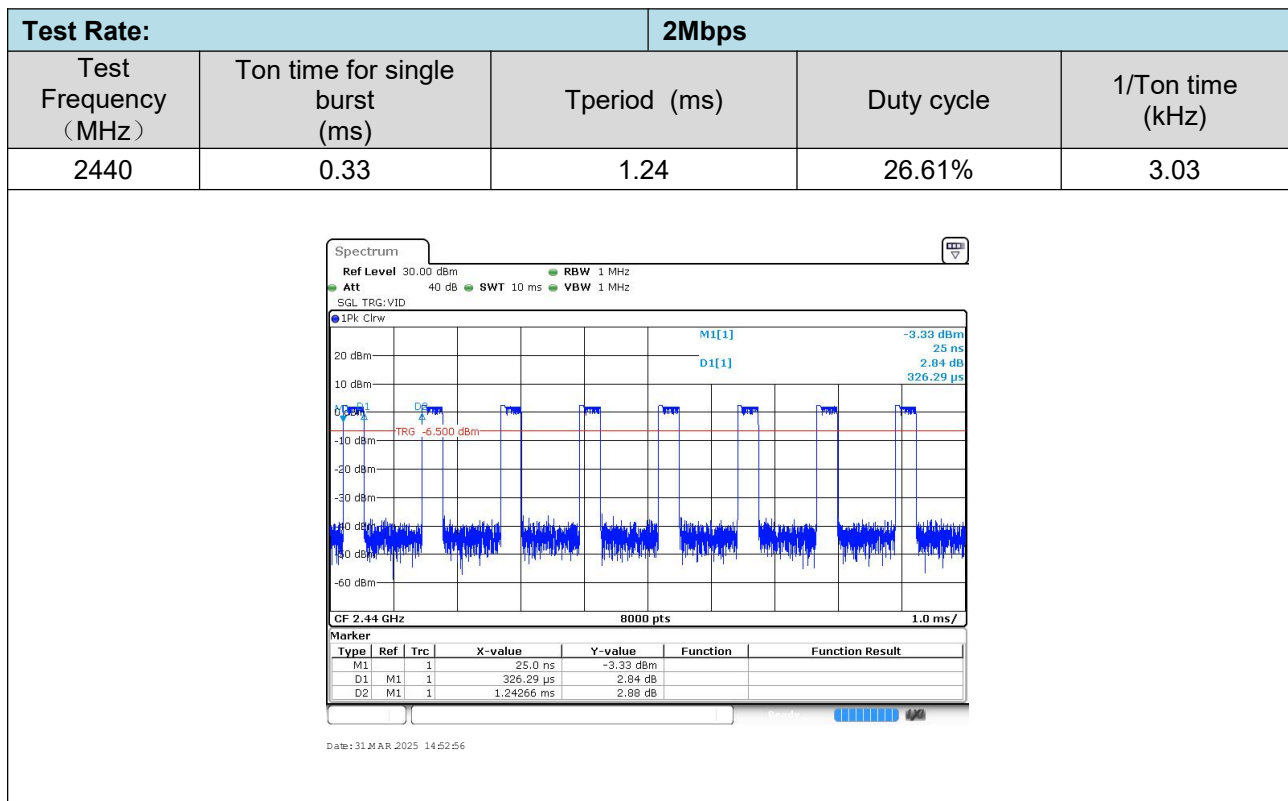
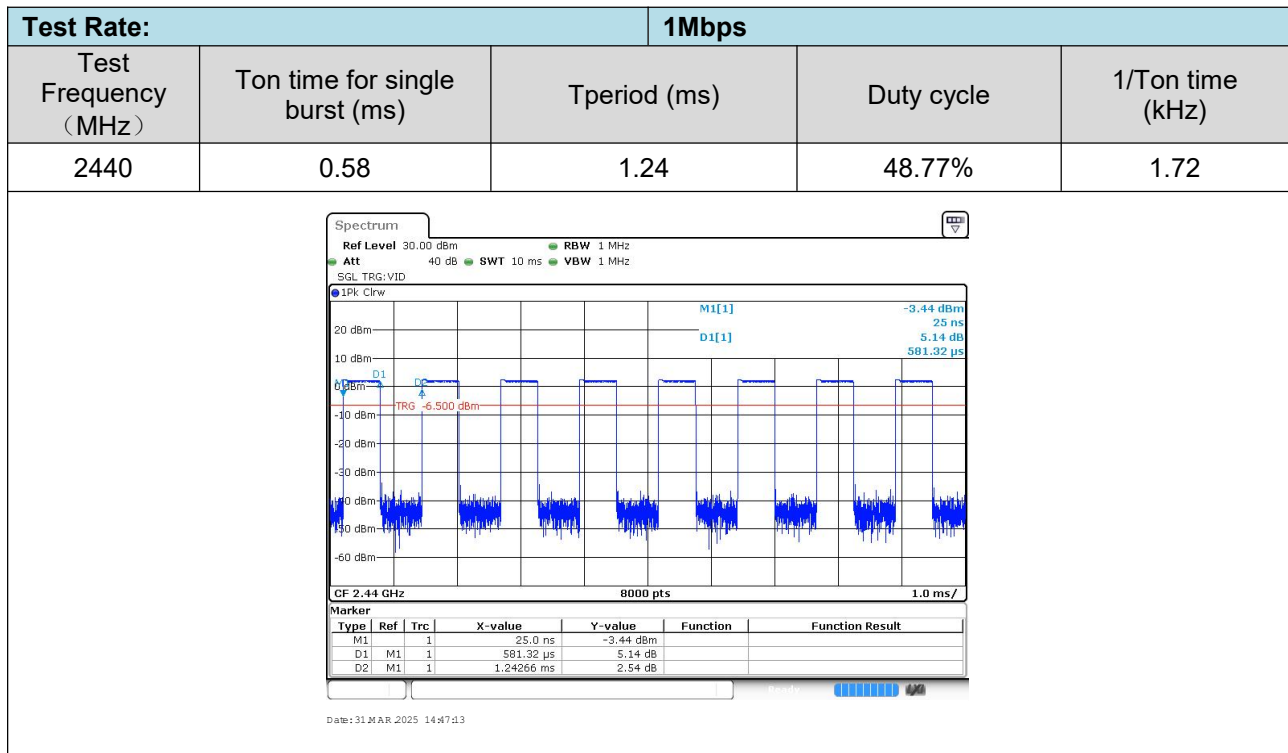
Date: 31 MAR 2025 14:53:16

CH39



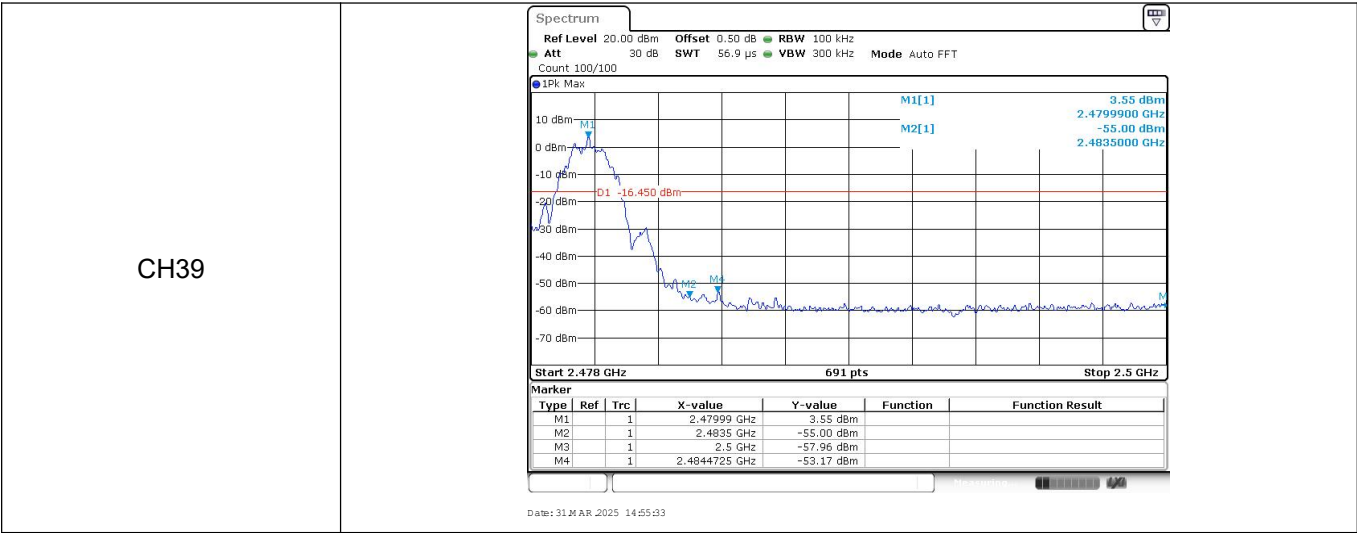
Date: 31 MAR 2025 14:55:01

Appendix E: Duty cycle

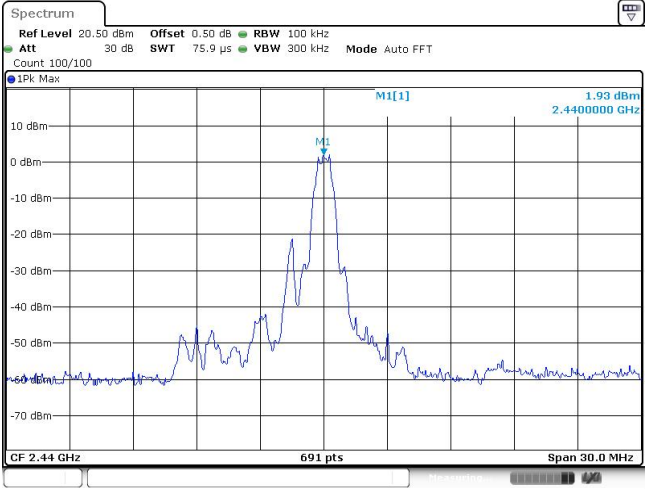
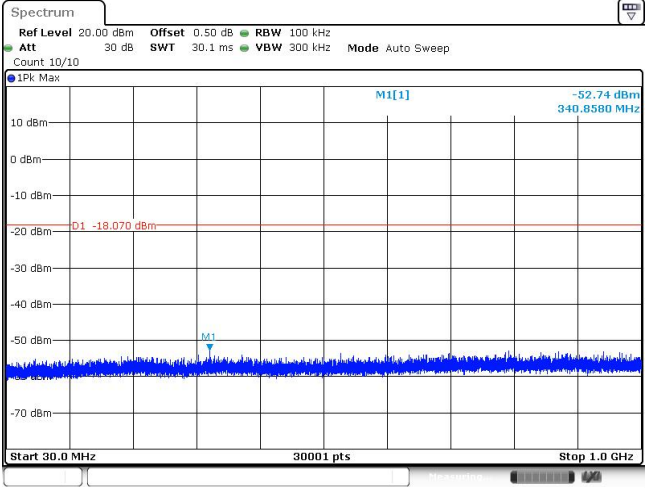
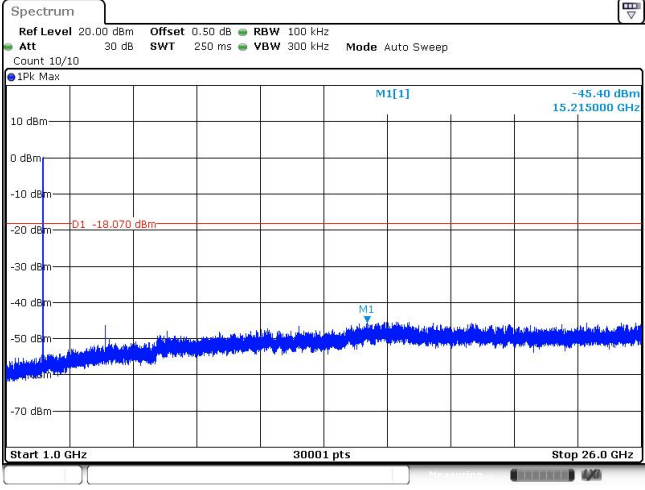


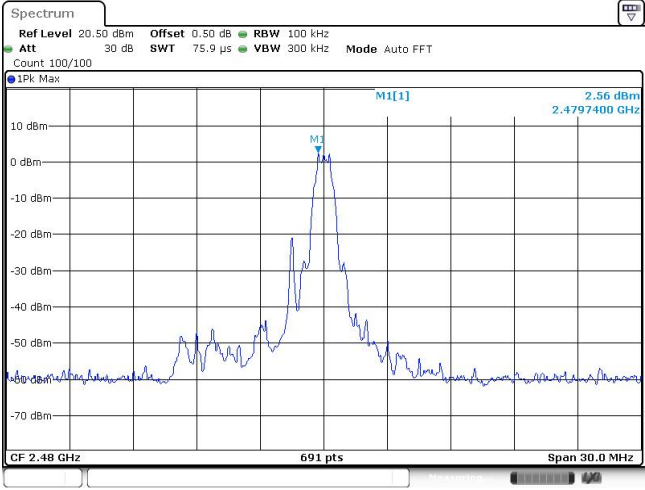
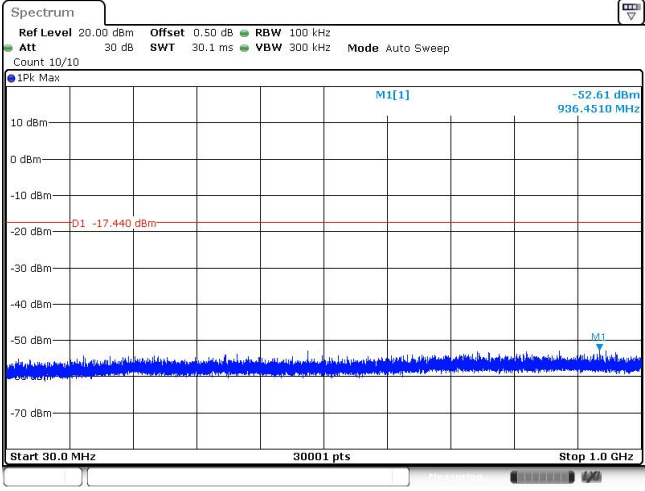
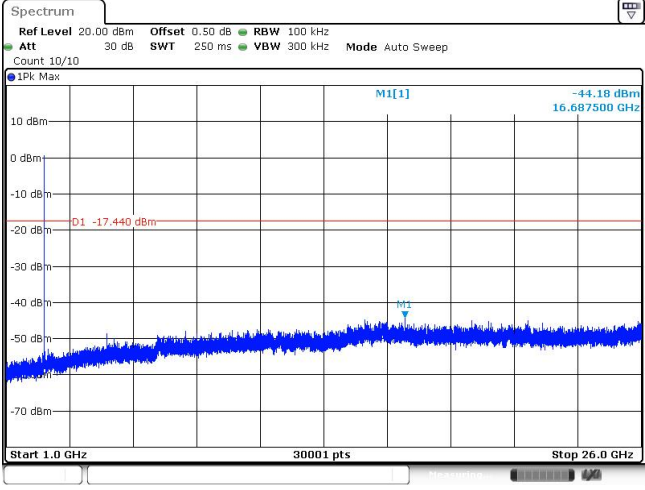
Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge	Test Rate:	1Mbps																																									
CH00	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max M1[1] 2.90 dBm 2.402040 GHz -43.43 dBm 2.400000 GHz M2[1] -17.100 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.40204 GHz</td><td>2.90 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-43.43 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-56.31 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-55.65 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399906 GHz</td><td>-48.44 dBm</td><td></td><td></td></tr></tbody></table> Date: 31 MAR 2025 14:45:32	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40204 GHz	2.90 dBm			M2	1		2.4 GHz	-43.43 dBm			M3	1		2.39 GHz	-56.31 dBm			M4	1		2.31 GHz	-55.65 dBm			M5	1		2.399906 GHz	-48.44 dBm			
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.40204 GHz	2.90 dBm																																								
M2	1		2.4 GHz	-43.43 dBm																																								
M3	1		2.39 GHz	-56.31 dBm																																								
M4	1		2.31 GHz	-55.65 dBm																																								
M5	1		2.399906 GHz	-48.44 dBm																																								
CH39	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] 3.53 dBm 2.4799900 GHz -50.07 dBm 2.4835000 GHz M2[1] -16.470 dBm Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.47999 GHz</td><td>3.53 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-50.07 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.02 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4835159 GHz</td><td>-50.19 dBm</td><td></td><td></td></tr></tbody></table> Date: 31 MAR 2025 14:49:41	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.47999 GHz	3.53 dBm			M2	1		2.4835 GHz	-50.07 dBm			M3	1		2.5 GHz	-58.02 dBm			M4	1		2.4835159 GHz	-50.19 dBm										
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.47999 GHz	3.53 dBm																																								
M2	1		2.4835 GHz	-50.07 dBm																																								
M3	1		2.5 GHz	-58.02 dBm																																								
M4	1		2.4835159 GHz	-50.19 dBm																																								
Test Item:	Band edge	Test Rate:	2Mbps																																									
CH00	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max M1[1] 2.13 dBm 2.402040 GHz -29.19 dBm 2.400000 GHz M2[1] -17.870 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.40204 GHz</td><td>2.13 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-29.19 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.52 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.91 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399906 GHz</td><td>-37.00 dBm</td><td></td><td></td></tr></tbody></table> Date: 31 MAR 2025 14:51:39	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40204 GHz	2.13 dBm			M2	1		2.4 GHz	-29.19 dBm			M3	1		2.39 GHz	-55.52 dBm			M4	1		2.31 GHz	-54.91 dBm			M5	1		2.399906 GHz	-37.00 dBm			
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																						
M1	1		2.40204 GHz	2.13 dBm																																								
M2	1		2.4 GHz	-29.19 dBm																																								
M3	1		2.39 GHz	-55.52 dBm																																								
M4	1		2.31 GHz	-54.91 dBm																																								
M5	1		2.399906 GHz	-37.00 dBm																																								



Test Item:	SE	Test Rate:	1Mbps
CH00 Reference level	Spectrum Ref Level 20.50 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 75.9 μs RBW 100 kHz VBW 300 kHz Mode Auto FFT 1Pk Max 2.10 dBm 2.4020000 GHz M1 M1[1] 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.402 GHz 691 pts Span 30.0 MHz Date: 31 MAR 2025 14:45:37		
CH00 30MHz~1000MHz	Spectrum Ref Level 20.00 dBm Att 30 dB Count 10/10 Offset 0.50 dB SWT 30.1 ms RBW 100 kHz VBW 300 kHz Mode Auto Sweep 1Pk Max -52.28 dBm 965.8730 MHz M1 M1[1] 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 31 MAR 2025 14:45:52		
CH00 1GHz~26GHz	Spectrum Ref Level 20.00 dBm Att 30 dB Count 10/10 Offset 0.50 dB SWT 250 ms RBW 100 kHz VBW 300 kHz Mode Auto Sweep 1Pk Max -42.72 dBm 7.205833 GHz M1 M1[1] 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 31 MAR 2025 14:46:07		

CH19 Reference level	 Spectrum Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPk Max M1[1] 1.93 dBm 2.440000 GHz CF 2.44 GHz 691 pts Span 30.0 MHz Date: 31 MAR 2025 14:48:01
CH19 30MHz~1000MHz	 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -52.74 dBm 340.8580 MHz Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 31 MAR 2025 14:48:16
CH19 1GHz~26GHz	 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -45.40 dBm 15.215000 GHz Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 31 MAR 2025 14:48:31

CH39 Reference level	 Spectrum Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPk Max M1[1] 2.56 dBm 2.4797400 GHz CF 2.48 GHz 691 pts Span 30.0 MHz Date: 31 MAR 2025 14:49:46
CH39 30MHz~1000MHz	 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -52.61 dBm 936.4510 MHz D1 -17.440 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 31 MAR 2025 14:50:01
CH39 1GHz~26GHz	 Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -44.18 dBm 16.687500 GHz D1 -17.440 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 31 MAR 2025 14:50:16

Test Item:	SE	Test Rate:	2Mbps
CH00 Reference level	Spectrum Ref Level 20.50 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 75.9 μs RBW 100 kHz VBW 300 kHz Mode Auto FFT 1Pk Max M1[1] 1.25 dBm 2.4015220 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.402 GHz 691 pts Span 30.0 MHz Date: 31 MAR 2025 14:51:45		
CH00 30MHz~1000MHz	Spectrum Ref Level 20.00 dBm Att 30 dB Count 10/10 Offset 0.50 dB SWT 30.1 ms RBW 100 kHz VBW 300 kHz Mode Auto Sweep 1Pk Max M1[1] -52.87 dBm 951.3880 MHz -20 dBm -18.750 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 31 MAR 2025 14:52:00		
CH00 1GHz~26GHz	Spectrum Ref Level 20.00 dBm Att 30 dB Count 10/10 Offset 0.50 dB SWT 250 ms RBW 100 kHz VBW 300 kHz Mode Auto Sweep 1Pk Max M1[1] -44.80 dBm 15.526667 GHz -20 dBm -18.750 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 31 MAR 2025 14:52:15		

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

CH39 Reference level	Spectrum Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPk Max M1[1] 2.02 dBm 2.4795220 GHz CF 2.48 GHz 691 pts Span 30.0 MHz Date: 31 MAR 2025 14:55:38
CH39 30MHz~1000MHz	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -53.00 dBm 948.5430 MHz D1 -17.980 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 31 MAR 2025 14:55:53
CH39 1GHz~26GHz	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -45.19 dBm 15.890839 GHz D1 -17.980 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 31 MAR 2025 14:56:08

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