

APPENDIX REPORT

Project No.	SHT2502029403WW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT25020294004	Model No.	W06LT
Start test date	2025-05-23	Finish date	2025-05-23
Temperature	23.6℃	Humidity	58%
Test Engineer	Jiaxing Si	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

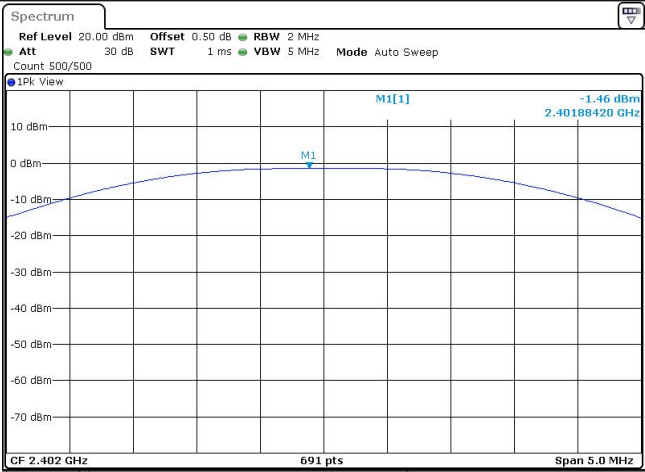
Appendix A: Peak Output Power

Test rate	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
1Mbps	00	-1.46	-1.49	≤ 30.00	Pass
	19	-1.49	-1.55		
	39	-1.30	-1.36		
2Mbps	00	-1.43	-1.48	≤ 30.00	Pass
	19	-1.42	-1.48		
	39	-1.24	-1.31		

Test rate:

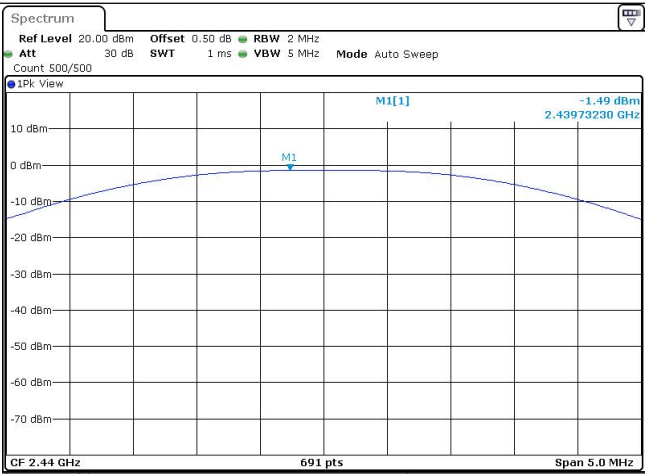
1Mbps

CH00



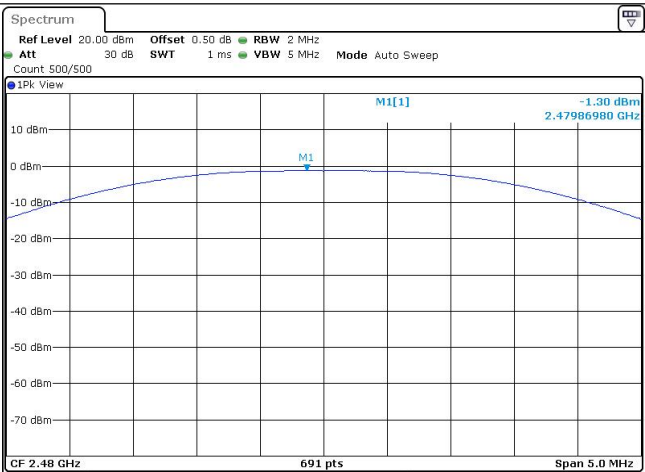
Date: 23 MAY 2025 15:35:32

CH19



Date: 23 MAY 2025 15:37:28

CH39

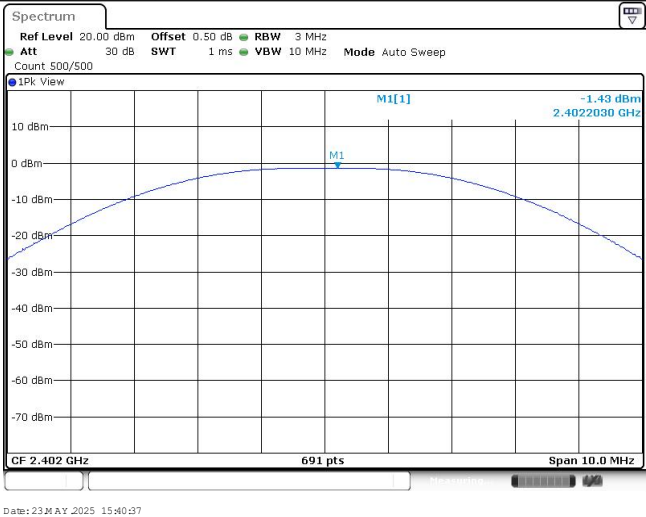


Date: 23 MAY 2025 15:38:56

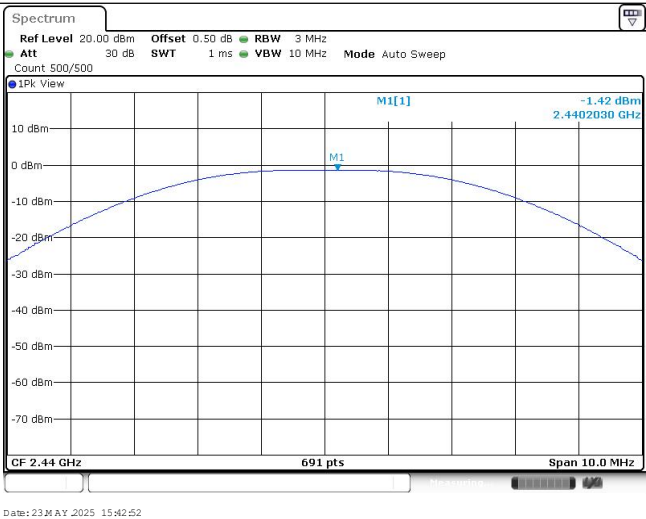
Test rate:

2Mbps

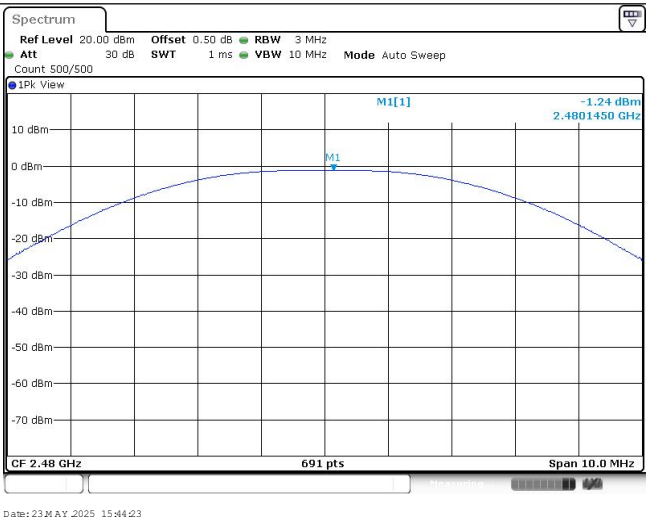
CH00



CH19



CH39

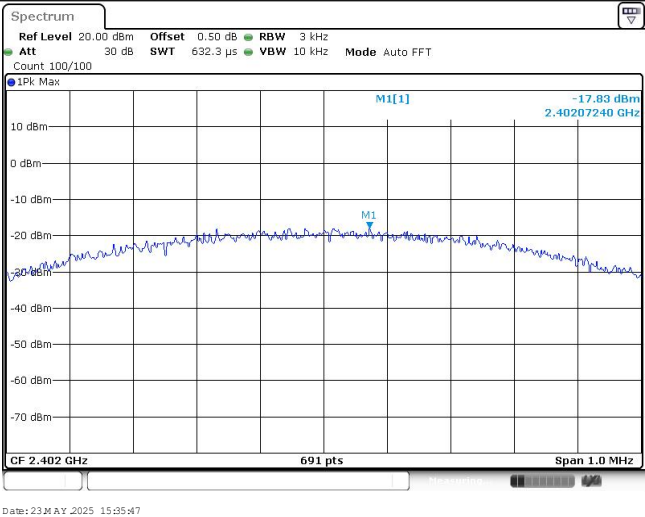


Appendix B: Power Spectral Density

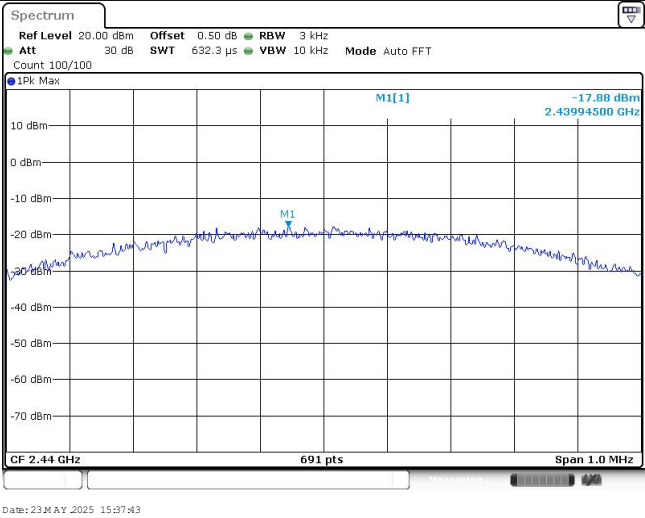
Test rate	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
1Mbps	00	-17.83	≤8.00	Pass
	19	-17.88		
	39	-17.71		
2Mbps	00	-21.32	≤8.00	Pass
	19	-20.82		
	39	-20.50		

Test rate: 1Mbps

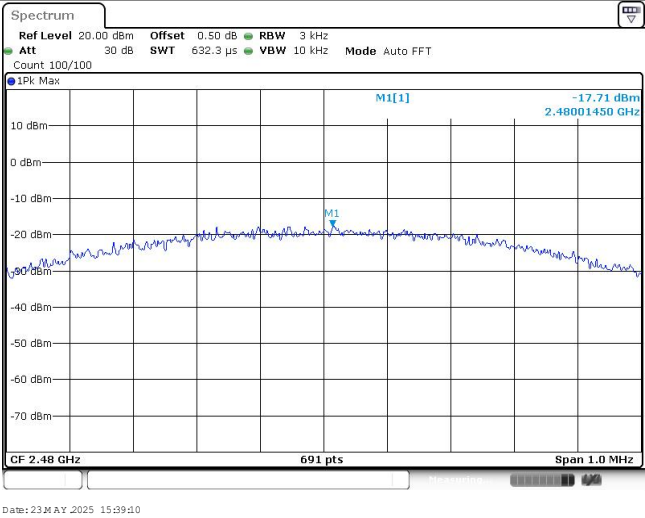
CH00



CH19

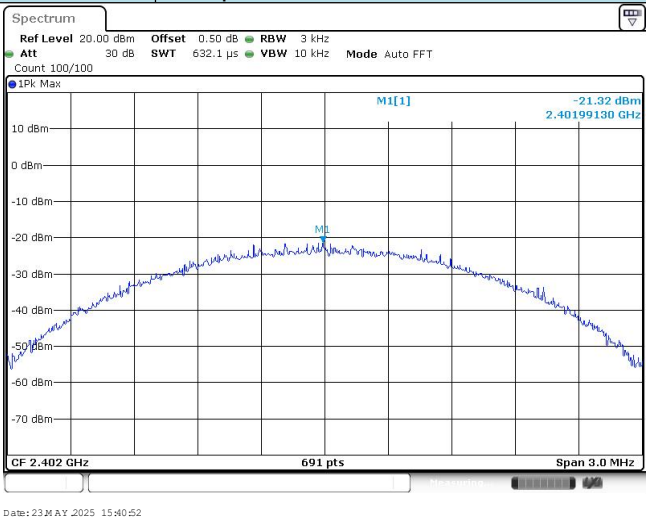


CH39



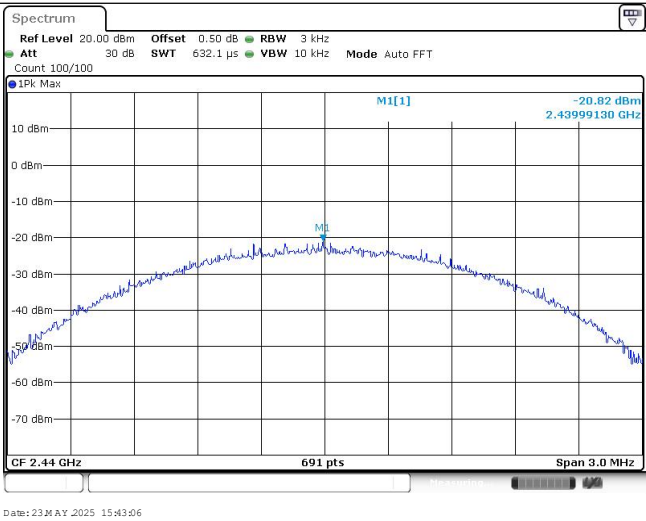
Test rate: 2Mbps

CH00



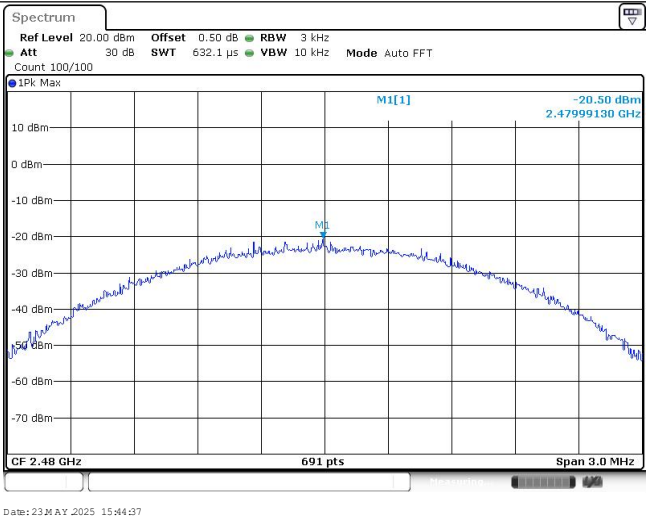
Date: 23 MAY 2025 15:40:52

CH19



Date: 23 MAY 2025 15:43:06

CH39



Date: 23 MAY 2025 15:44:37

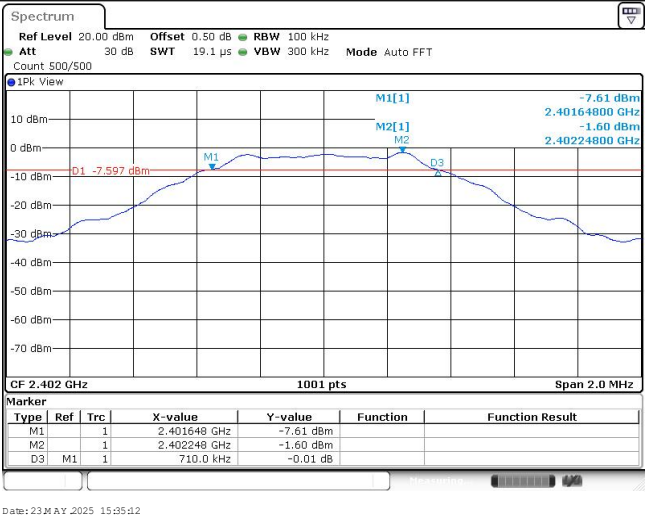
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
1Mbps	00	710.00	≥500	Pass
	19	728.00		
	39	734.00		
2Mbps	00	1170.00	≥500	Pass
	19	1170.00		
	39	1170.00		

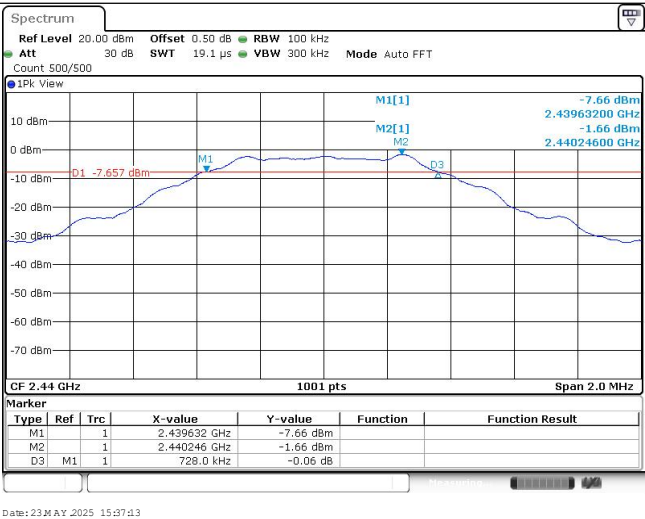
Test rate:

1Mbps

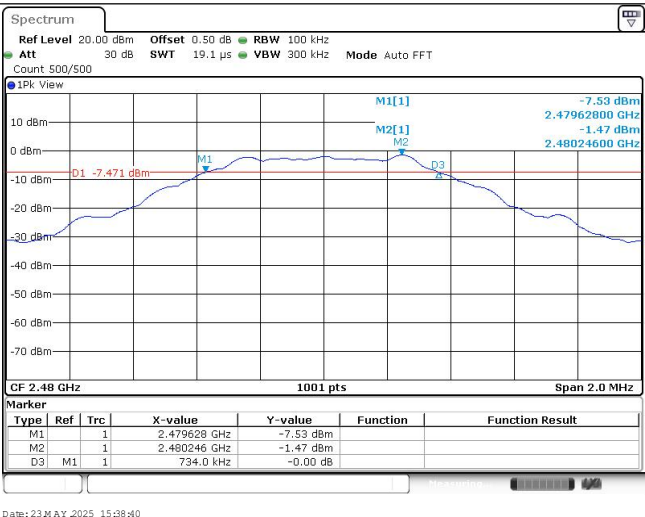
CH00



CH19



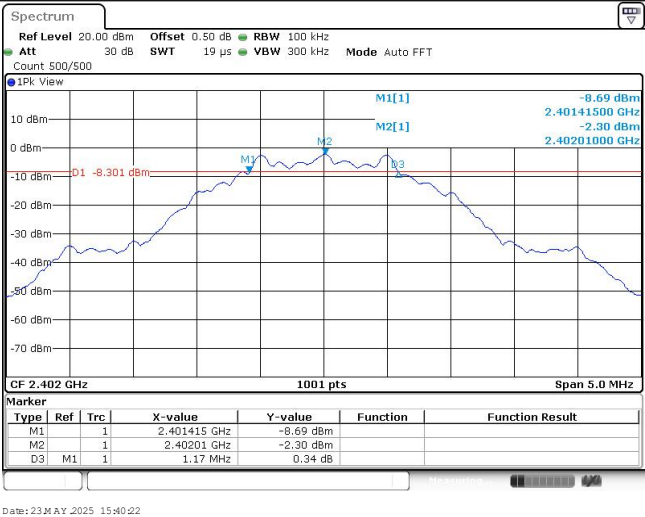
CH39



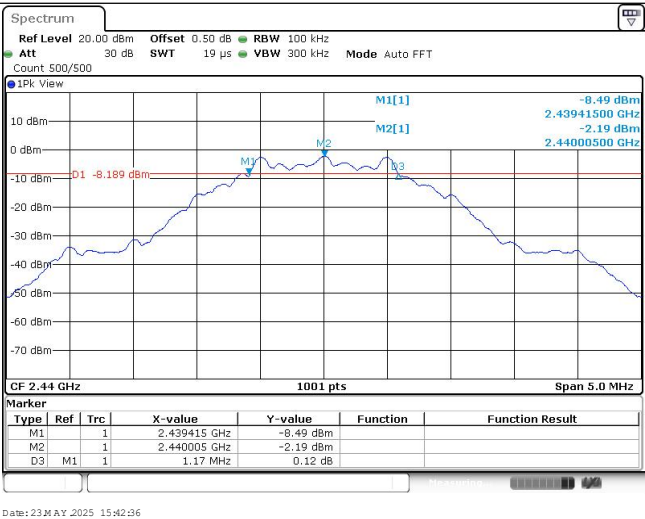
Test rate:

2Mbps

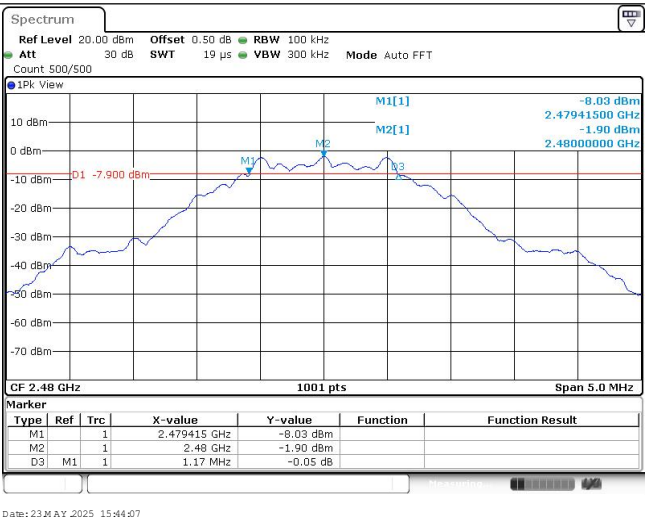
CH00



CH19



CH39



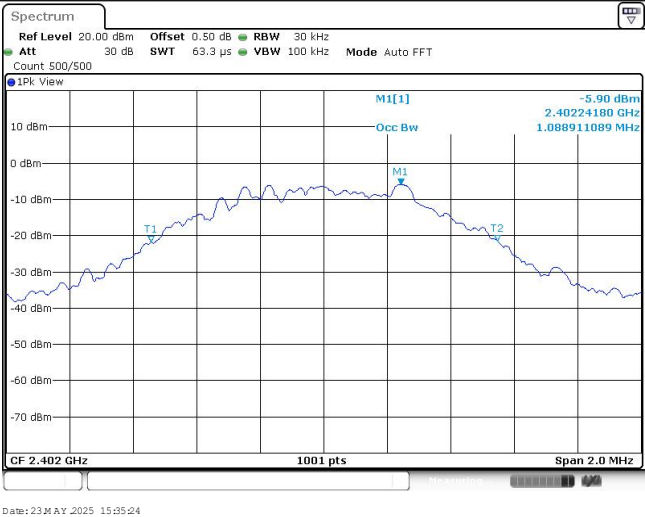
Appendix D: 99% Occupied Bandwidth

Test rate	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
1Mbps	00	1.09	-	Pass
	19	1.11		
	39	1.14		
2Mbps	00	2.07	-	Pass
	19	2.07		
	39	2.08		

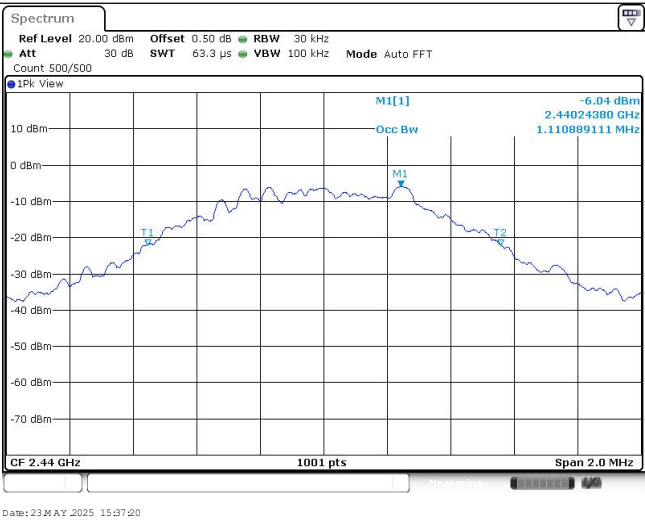
Test rate:

1Mbps

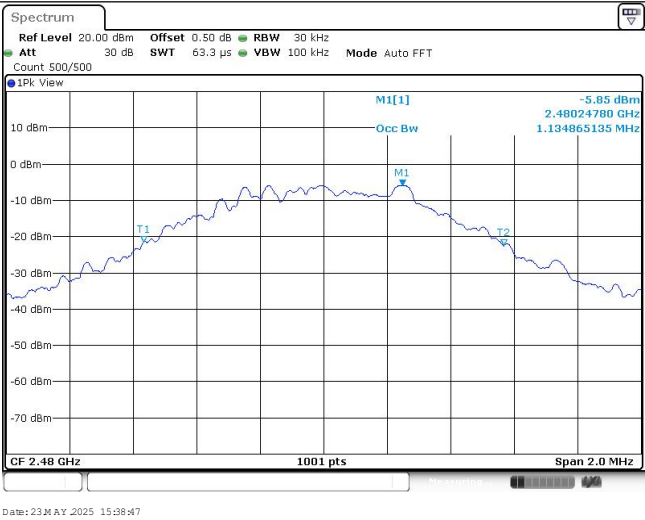
CH00



CH19



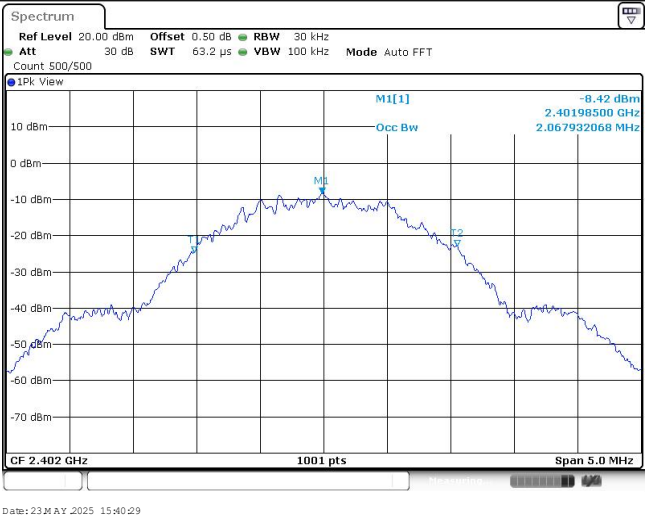
CH39



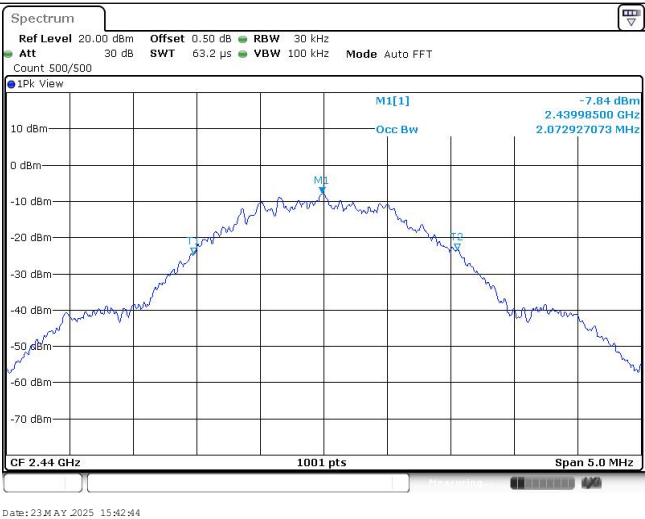
Test rate:

2Mbps

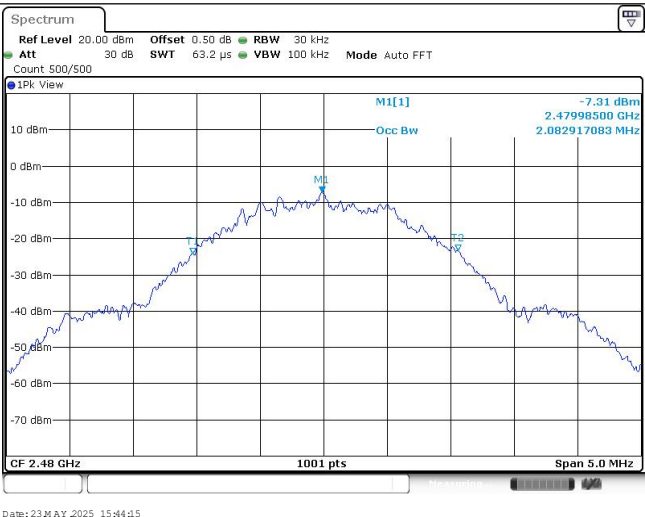
CH00



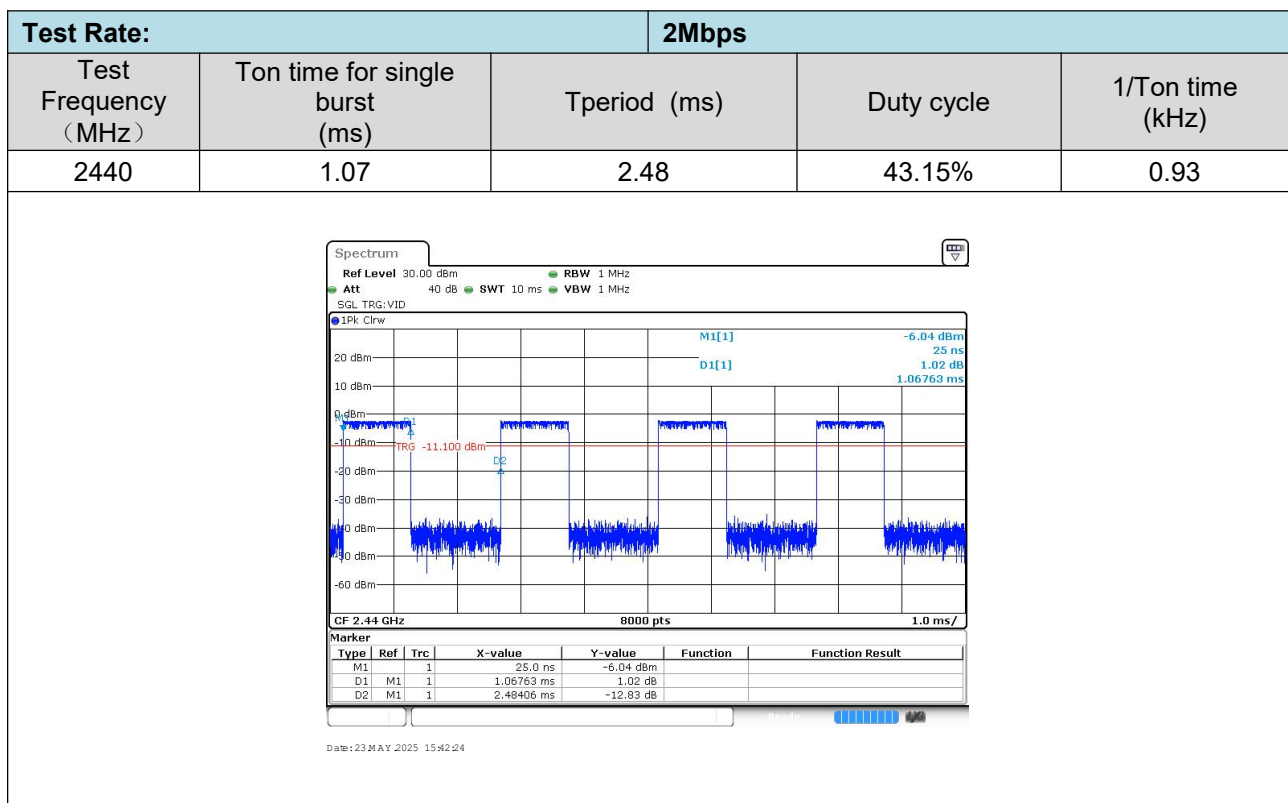
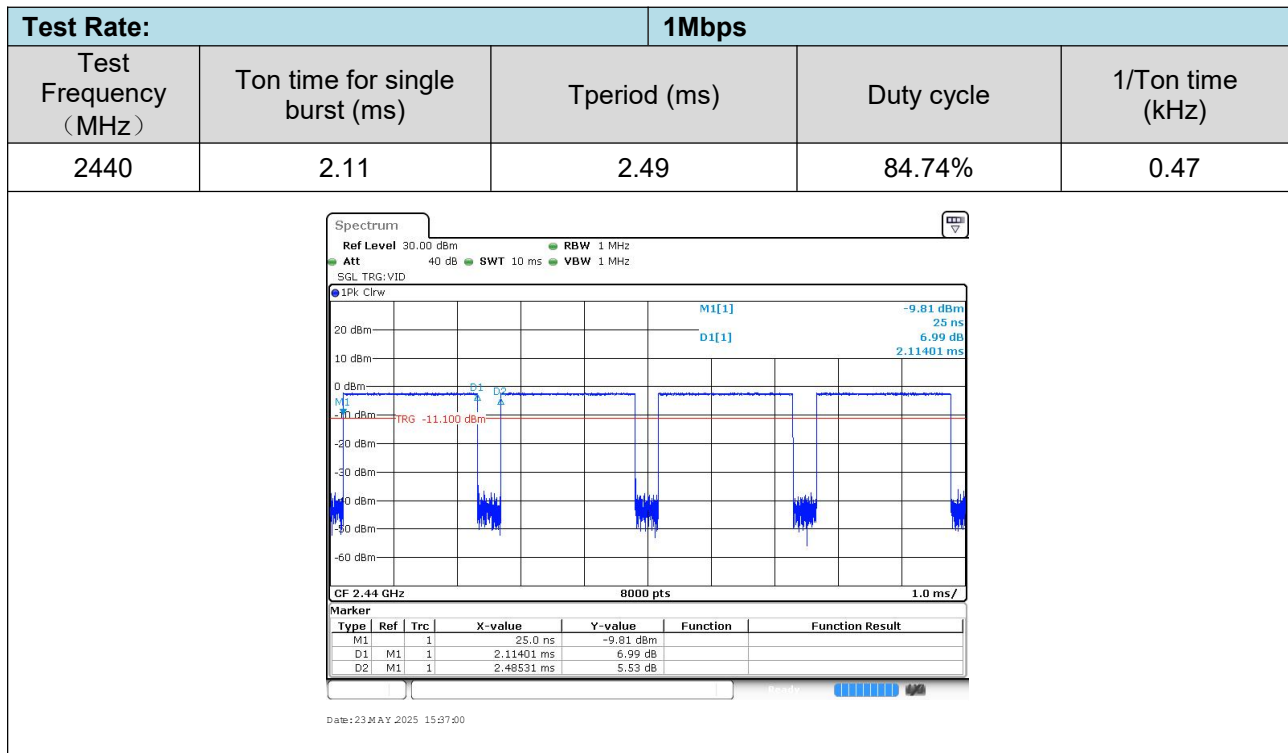
CH19



CH39



Appendix E: Duty cycle



Appendix F: Band edge and Spurious Emissions (conducted)

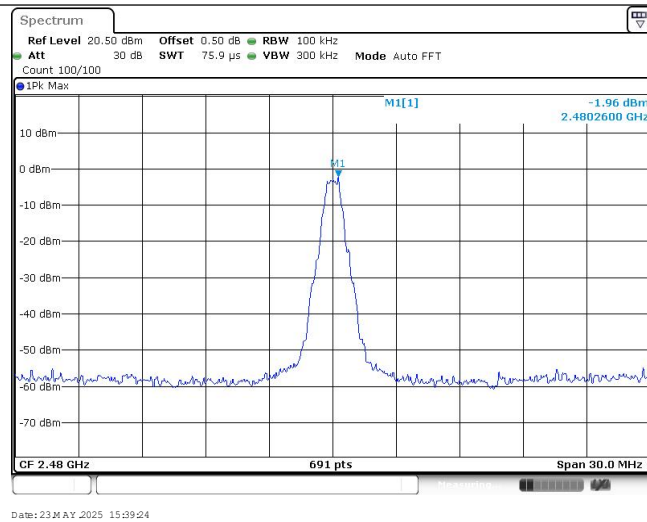
Test Item:	Band edge	Test Rate:	1Mbps																																																	
CH00	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -2.18 dBm 2.402320 GHz -50.43 dBm 2.400000 GHz -22.180 dBm 01 Start 2.31 GHz 691 pts Stop 2.405 GHz <table><tr><th colspan="7">Marker</th></tr><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><tr><td>M1</td><td>1</td><td></td><td>2.40232 GHz</td><td>-2.18 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-50.43 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.02 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.87 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399493 GHz</td><td>-50.74 dBm</td><td></td><td></td></tr></table> Date: 23 MAY 2025 15:35:56			Marker							Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40232 GHz	-2.18 dBm			M2	1		2.4 GHz	-50.43 dBm			M3	1		2.39 GHz	-55.02 dBm			M4	1		2.31 GHz	-54.87 dBm			M5	1		2.399493 GHz	-50.74 dBm		
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M5	1		2.399493 GHz	-50.74 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 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -1.55 dBm 2.4802450 GHz -57.76 dBm 2.4835000 GHz -21.550 dBm 01 Start 2.478 GHz 691 pts Stop 2.5 GHz <table><tr><th colspan="7">Marker</th></tr><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><tr><td>M1</td><td>1</td><td></td><td>2.480245 GHz</td><td>-1.55 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-57.76 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-56.03 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4968116 GHz</td><td>-54.27 dBm</td><td></td><td></td></tr></table> Date: 23 MAY 2025 15:39:19			Marker							Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.480245 GHz	-1.55 dBm			M2	1		2.4835 GHz	-57.76 dBm			M3	1		2.5 GHz	-56.03 dBm			M4	1		2.4968116 GHz	-54.27 dBm									
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M2	1		2.4835 GHz	-57.76 dBm																																																
M3	1		2.5 GHz	-56.03 dBm																																																
M4	1		2.4968116 GHz	-54.27 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		

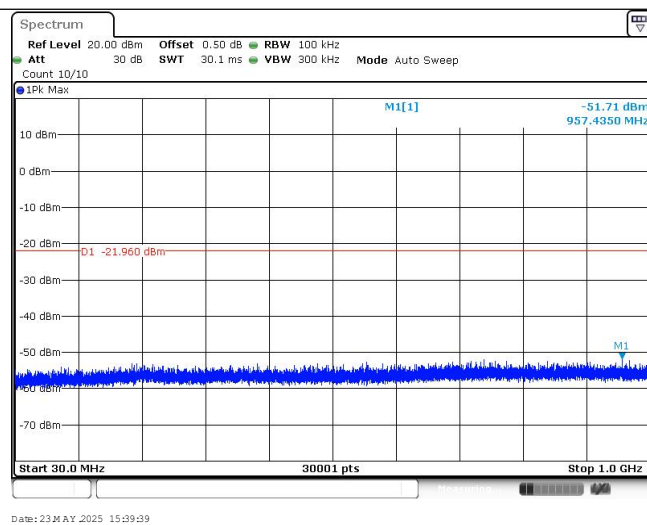
Test Item:	SE	Test Rate:	1Mbps
CH00 Reference level	Spectrum Ref Level 20.50 dBm Att 30 dB Count 100/100 Offset 0.50 dB SWT 75.9 μs RBW 100 kHz VBW 300 kHz Mode Auto FFT 1Pk Max M1[1] -2.00 dBm 2.4022600 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.402 GHz 691 pts Span 30.0 MHz Date: 23 MAY 2025 15:36:03		
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] -51.93 dBm 913.0750 MHz 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: 23 MAY 2025 15:36:18		
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] -43.21 dBm 15.125000 GHz 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: 23 MAY 2025 15:36:33		

CH19 Reference level	This spectrum plot shows a single sharp peak at 2.4402600 GHz. The peak is labeled M1[1] with a value of -2.11 dBm. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in GHz, with a span of 30.0 MHz. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 0.50 dB, RBW 100 kHz, Count 100/100, Mode Auto FFT, and Span 30.0 MHz. The date is 23 MAY 2025 15:37:48.
CH19 30MHz~1000MHz	This spectrum plot shows a noise floor across the 30 MHz to 1.0 GHz range. The noise floor is labeled M1[1] with a value of -51.92 dBm. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in GHz, with a span of 30.0 MHz. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, Offset 0.50 dB, RBW 100 kHz, Count 10/10, Mode Auto Sweep, and Span 30.0 MHz. The date is 23 MAY 2025 15:38:03.
CH19 1GHz~26GHz	This spectrum plot shows a noise floor across the 1.0 GHz to 26.0 GHz range. The noise floor is labeled M1[1] with a value of -43.05 dBm. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in GHz, with a span of 30.0 MHz. The plot includes parameters: Ref Level 20.00 dBm, Att 30 dB, Offset 0.50 dB, RBW 100 kHz, Count 10/10, Mode Auto Sweep, and Span 30.0 MHz. The date is 23 MAY 2025 15:38:19.

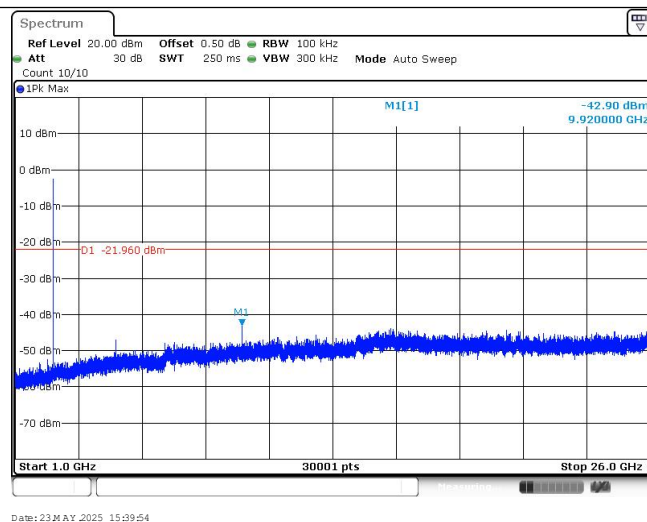
CH39
Reference level



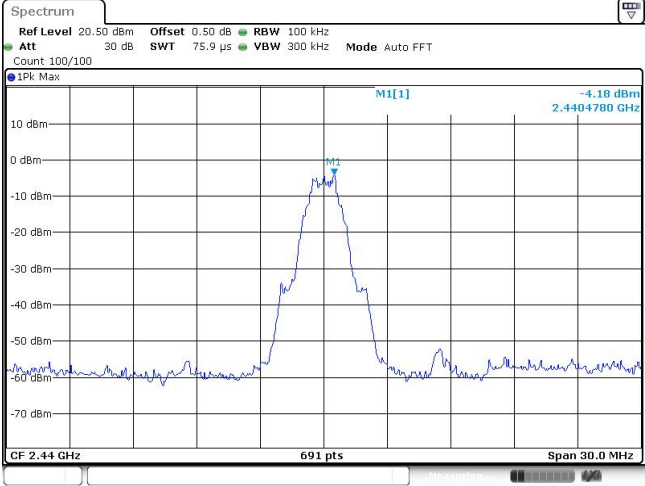
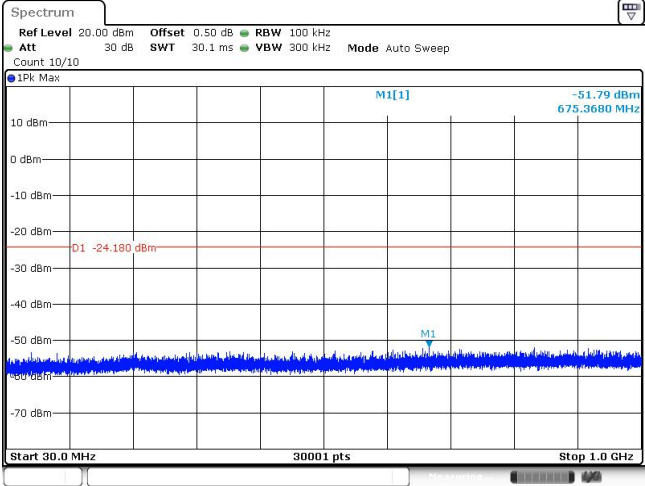
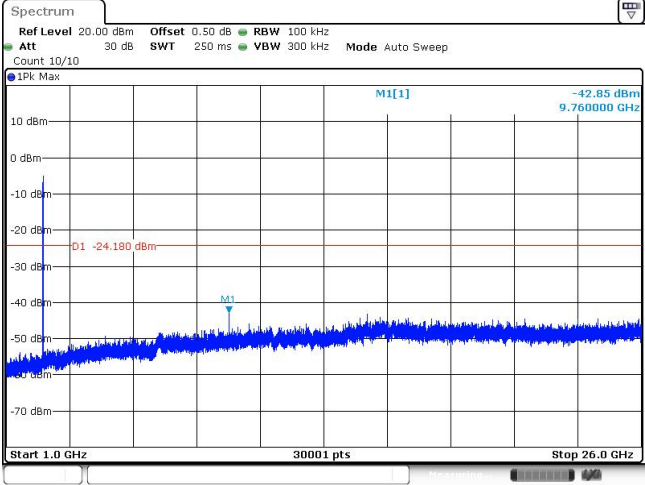
CH39
30MHz~1000MHz



CH39
1GHz~26GHz



Test Item:	SE	Test Rate:	2Mbps
CH00 Reference level	Date: 23 MAY 2025 15:41:06		
CH00 30MHz~1000MHz	Date: 23 MAY 2025 15:41:21		
CH00 1GHz~26GHz	Date: 23 MAY 2025 15:41:37		

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] -4.18 dBm 2.4404780 GHz CF 2.44 GHz 691 pts Span 30.0 MHz Date: 23 MAY 2025 15:43:12
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] -51.79 dBm 675.3680 MHz D1 -24.180 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 23 MAY 2025 15:43:26
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] -42.85 dBm 9.760000 GHz D1 -24.180 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 23 MAY 2025 15:43:42

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

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