

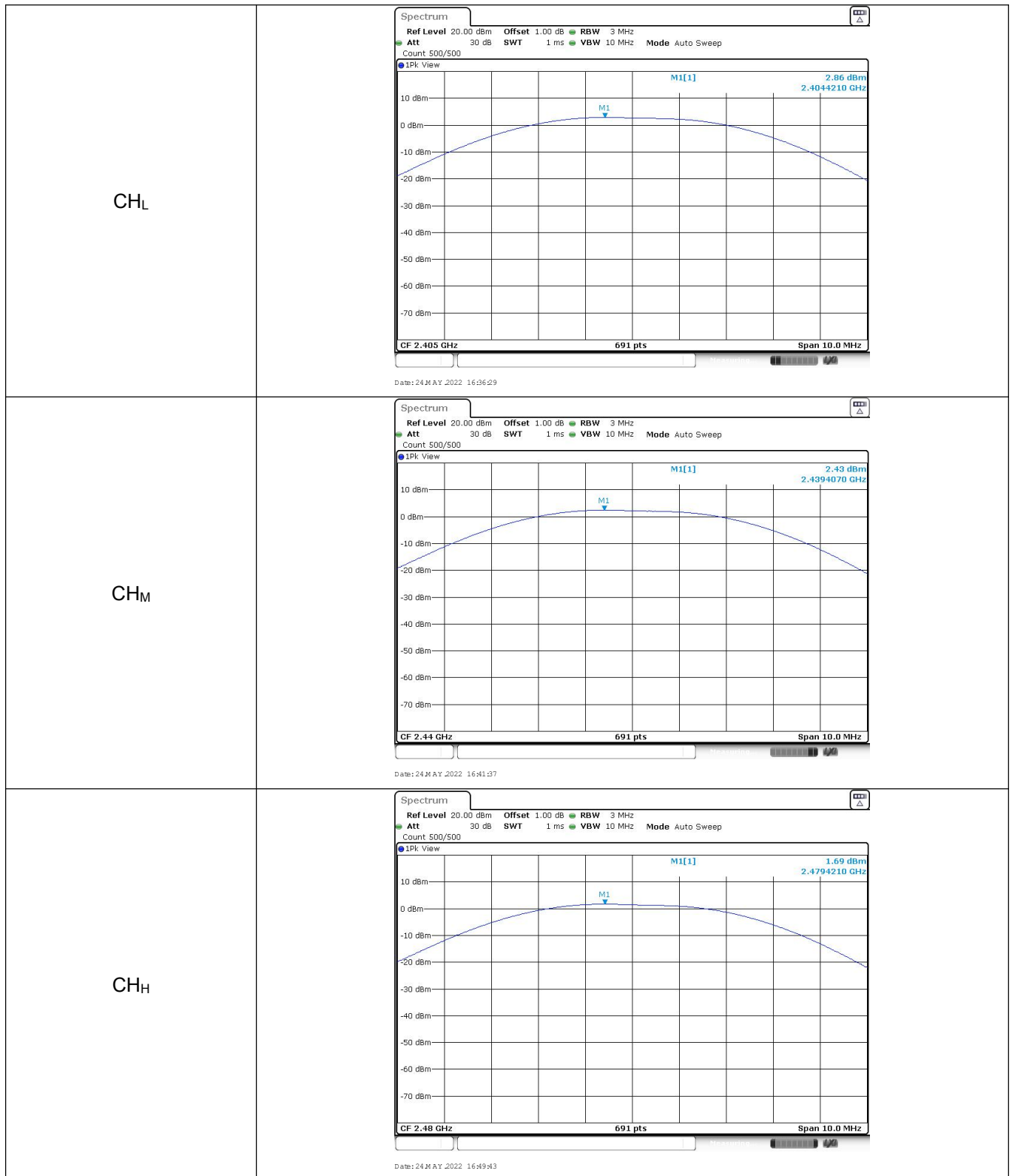
APPENDIX REPORT

Project No.	SHT2111079803EW	Radio Specification	2.4GHz Device
Test sample No.	YPHT21110798015	Model No.	GS-6C3
Start test date	2022-05-24	Finish date	2022-05-25
Temperature	24.1℃	Humidity	41%
Test Engineer	Hailey Chen	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

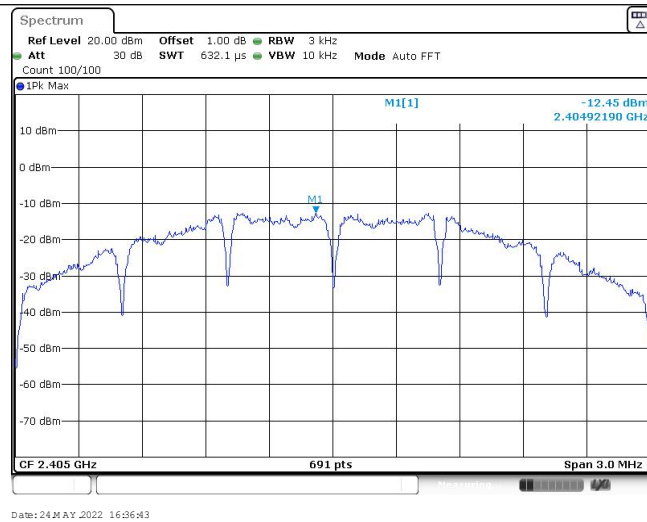
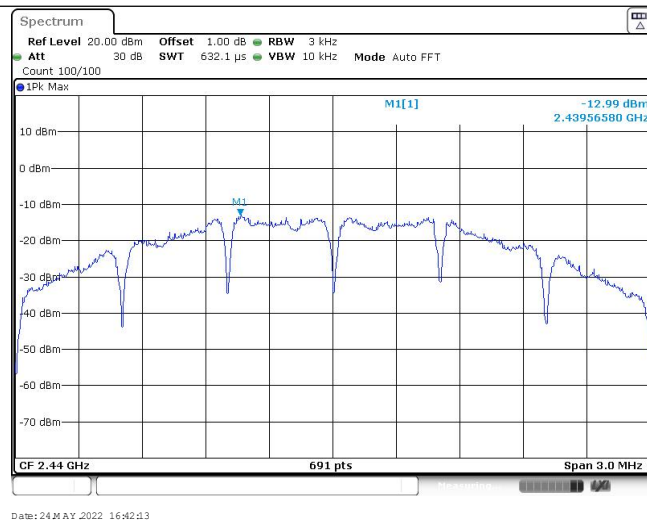
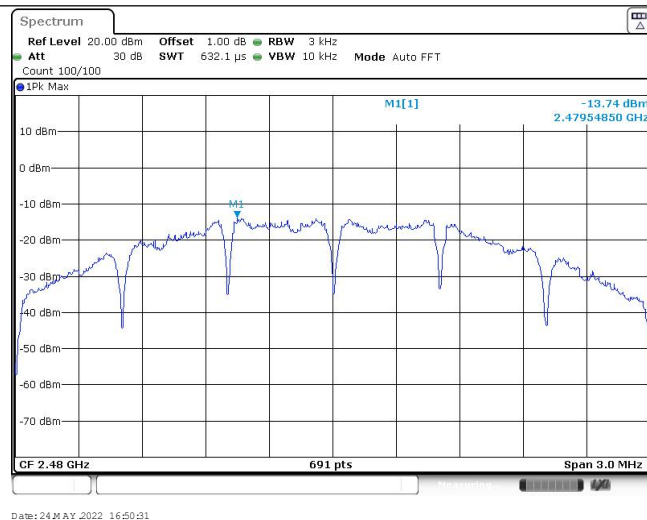
Appendix A: Peak Output Power

Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
CH _L	2.86	2.75	≤ 30.00	Pass
CH _M	2.43	2.29		
CH _H	1.69	1.57		



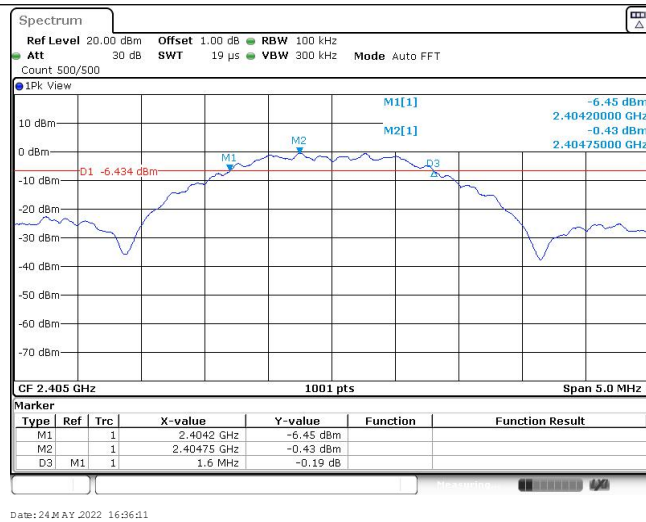
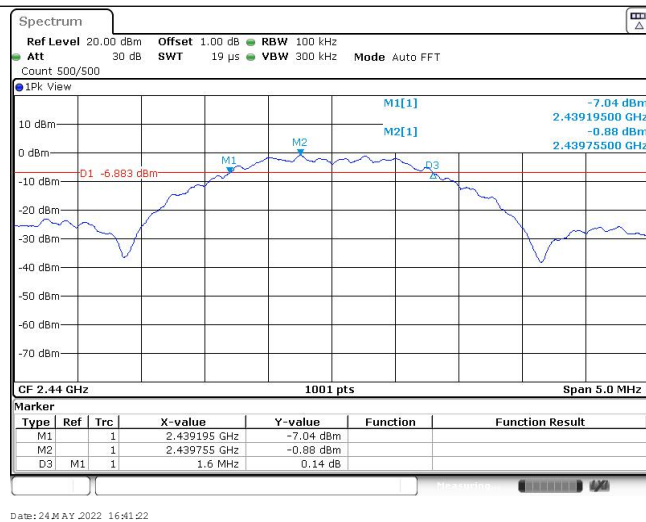
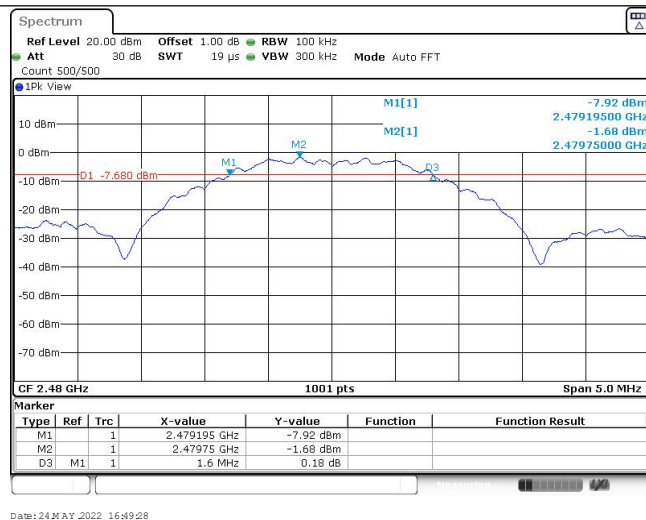
Appendix B: Power Spectral Density

Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
CH _L	-12.45	≤8.00	Pass
CH _M	-12.99		
CH _H	-13.74		

CH_LCH_MCH_H

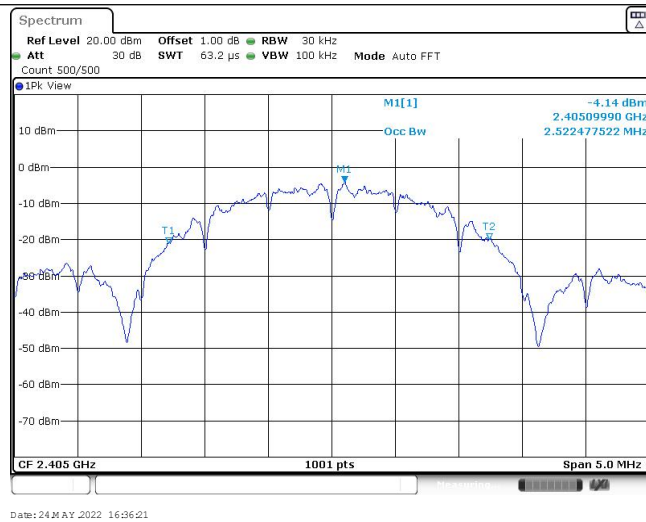
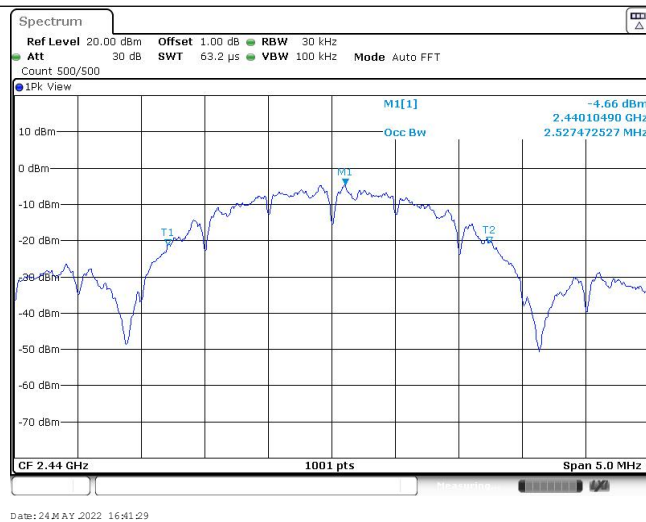
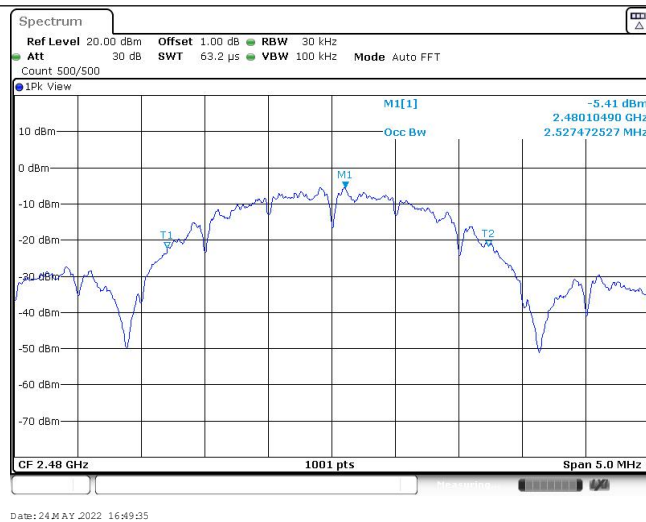
Appendix C: 6dB bandwidth

Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
CH _L	1600.00	≥500	Pass
CH _M	1600.00		
CH _H	1600.00		

CH_LCH_MCH_H

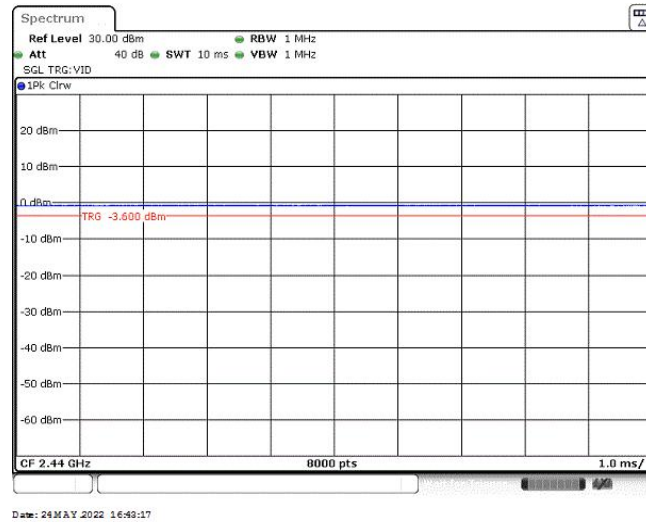
Appendix D: 99% Occupied Bandwidth

Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
CH _L	2.52	-	Pass
CH _M	2.53		
CH _H	2.53		

CH_LCH_MCH_H

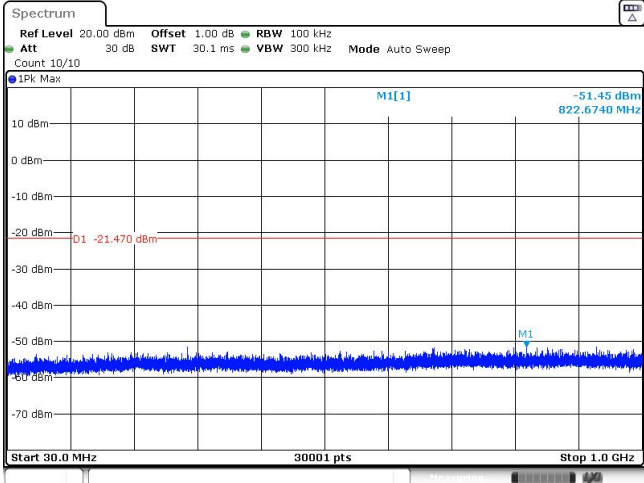
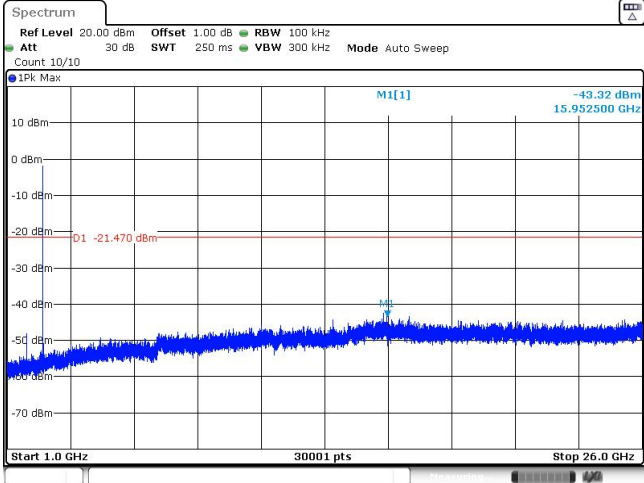
Appendix E: Duty cycle

Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	1.00	1.00	100%	1.0



Appendix F: Band edge and Spurious Emissions (conducted)

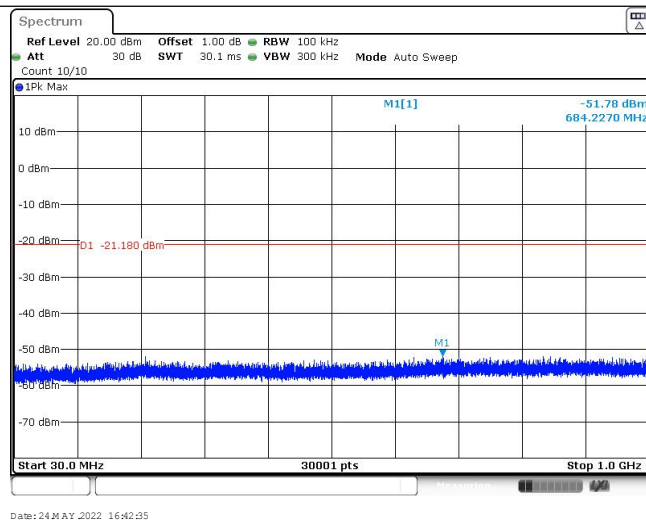
Test Item:	Band edge																																										
CH _L	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M5 M2 -1.42 dBm 2.404770 GHz -47.68 dBm 2.400000 GHz D1 -21.420 dBm Start 2.31 GHz 691 pts Stop 2.409 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>2.40477 GHz</td><td>-1.42 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-47.68 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-54.44 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.90 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.398526 GHz</td><td>-42.76 dBm</td><td></td><td></td></tr></tbody></table> Date: 24 MAY 2022 16:36:52	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40477 GHz	-1.42 dBm			M2	1		2.4 GHz	-47.68 dBm			M3	1		2.39 GHz	-54.44 dBm			M4	1		2.31 GHz	-54.90 dBm			M5	1		2.398526 GHz	-42.76 dBm		
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CH _H	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 56.8 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 M2[1] M2 M4 -1.90 dBm 2.4802450 GHz -52.29 dBm 2.4835000 GHz D1 -21.900 dBm Start 2.477 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>2.480245 GHz</td><td>-1.90 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-52.29 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.32 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4856333 GHz</td><td>-50.86 dBm</td><td></td><td></td></tr></tbody></table> Date: 24 MAY 2022 16:50:40	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.480245 GHz	-1.90 dBm			M2	1		2.4835 GHz	-52.29 dBm			M3	1		2.5 GHz	-59.32 dBm			M4	1		2.4856333 GHz	-50.86 dBm									
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M4	1		2.4856333 GHz	-50.86 dBm																																							

Test Item:	SE
CH _L Reference level	 Date: 24 MAY 2022 16:37:25
CH _L 30MHz~1000MHz	 Date: 24 MAY 2022 16:37:40
CH _L 1GHz~26GHz	 Date: 24 MAY 2022 16:37:55

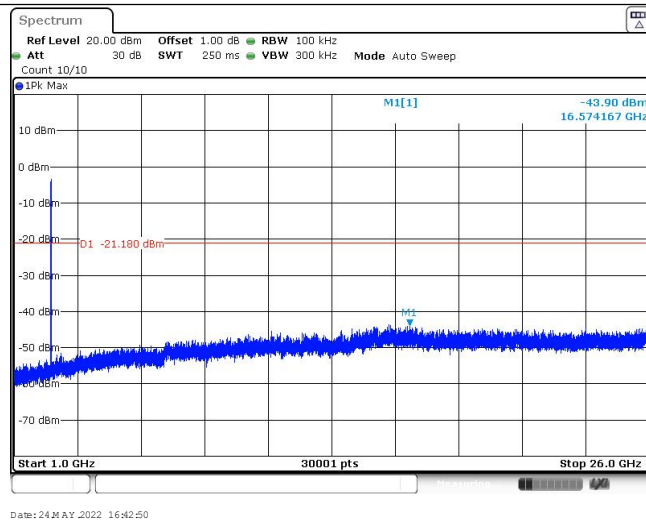
CH_M
Reference level



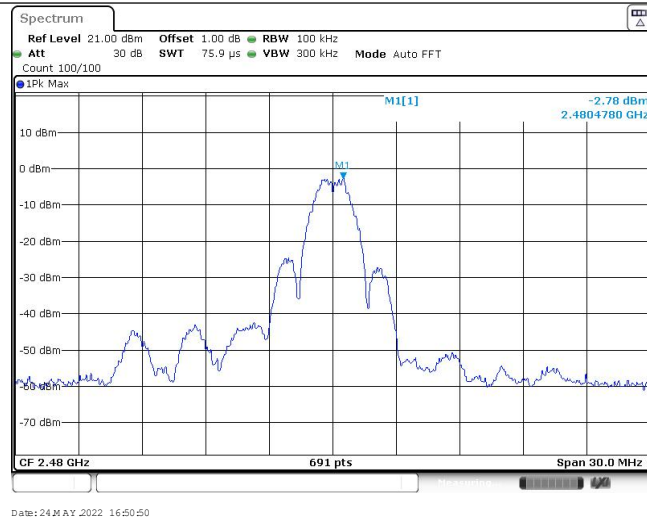
CH_M
30MHz~1000MHz



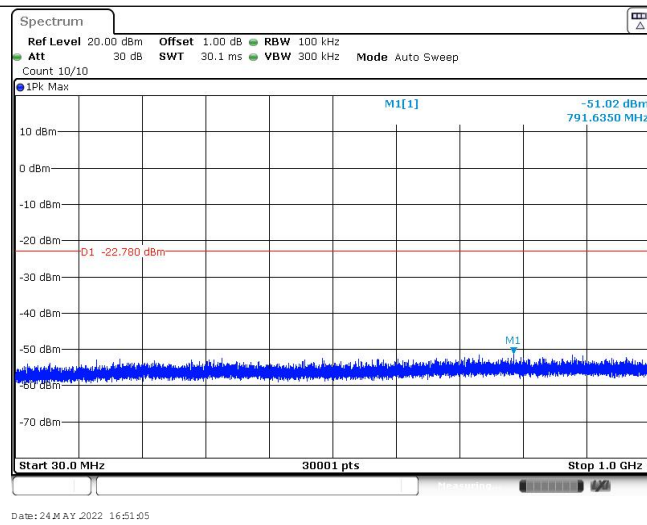
CH_M
1GHz~26GHz



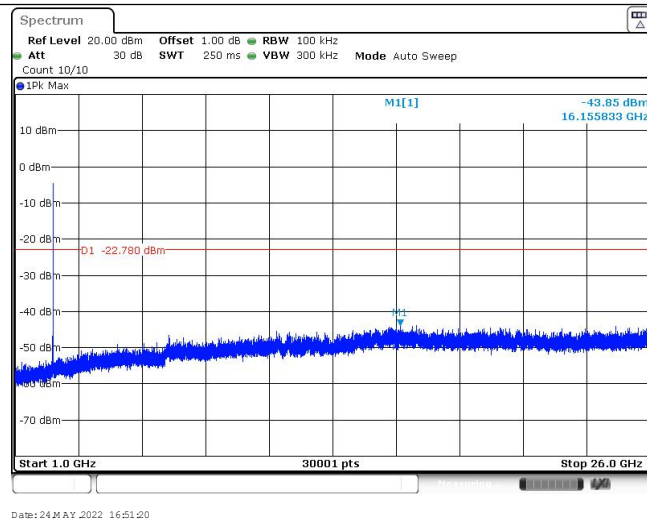
CH_H
Reference level



CH_H
30MHz~1000MHz



CH_H
1GHz~26GHz



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