

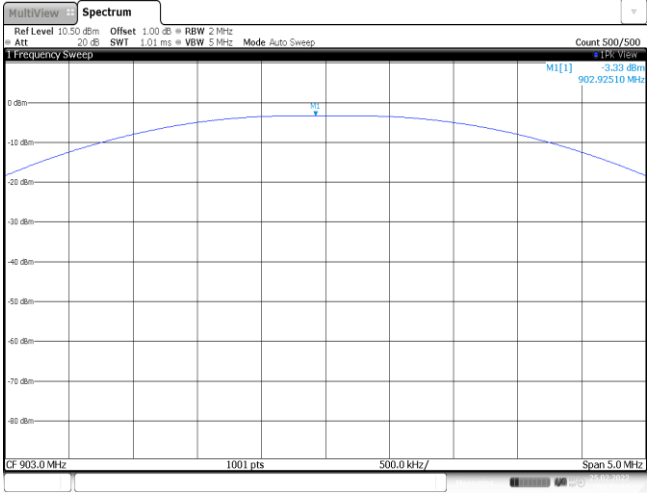
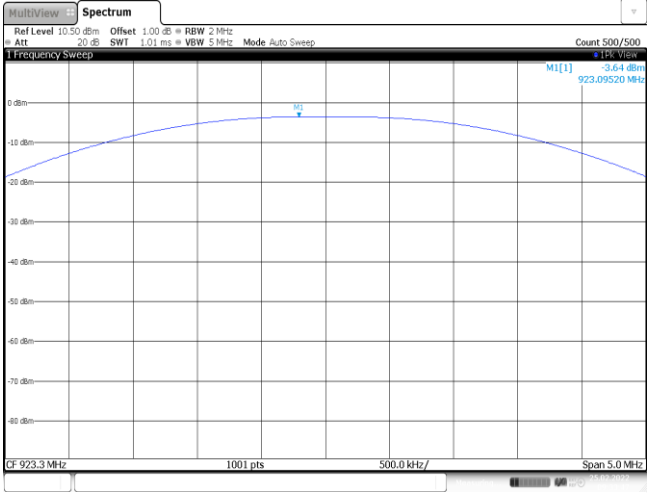
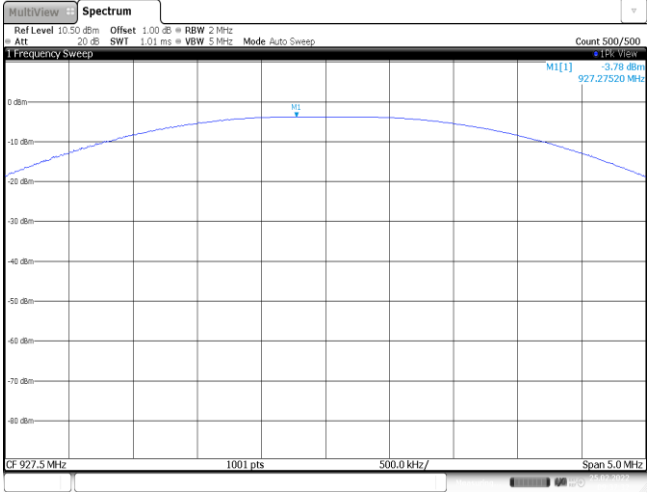
APPENDIX REPORT

Project No.	SHT2202012302EW		
Test sample No.	YPHT21100680014	Model No.	E22-900T22S 1B
Start test date	2022-02-25	Finish date	2022-02-25
Temperature	24.4℃	Humidity	40%
Test Engineer	Xiaoqin Li	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

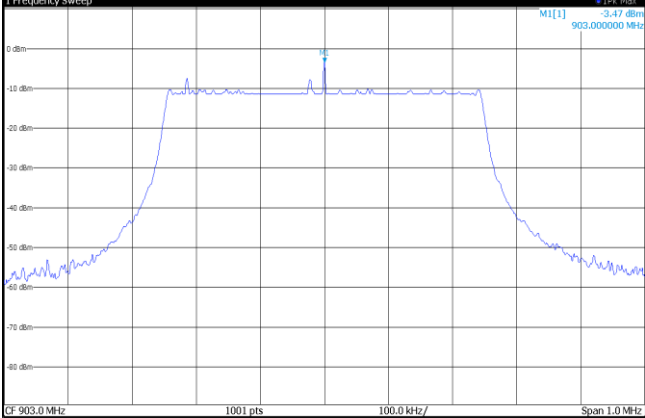
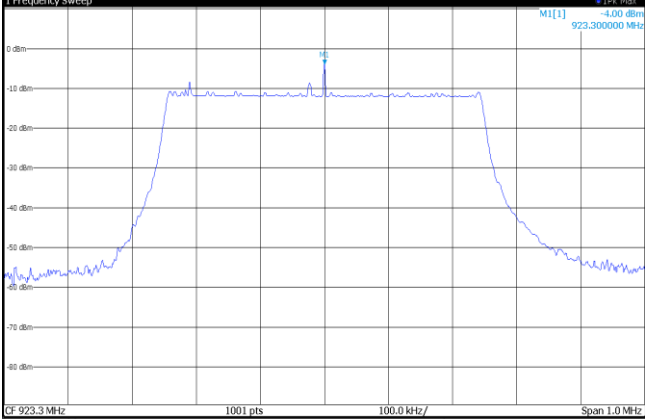
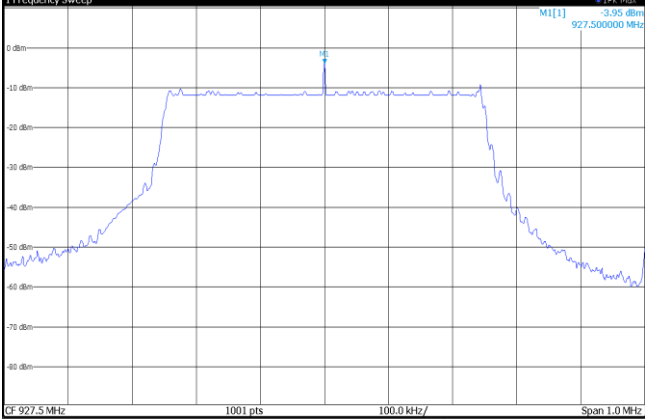
Appendix A: Peak Output Power

Channel	Peak Output power (dBm)	Limit (dBm)	Antenna Gain (dBi)	Maximum e.r.i.p. (dBm)	EIRP Limit (dBm)	Result
CH _L	-3.33	≤30.00	2.40	-0.93	≤ 36.00	Pass
CH _M	-3.64		2.40	-1.24		
CH _H	-3.78		2.40	-1.38		

CH _L	 MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 2 MHz Att 20 dB SWF 1.01 ms VBW 5 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -3.33 dBm 902.92510 MHz CF 903.0 MHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 25.FEB.2022 09:27:08
CH _M	 MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 2 MHz Att 20 dB SWF 1.01 ms VBW 5 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -3.64 dBm 923.09520 MHz CF 923.3 MHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 25.FEB.2022 09:33:48
CH _H	 MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 2 MHz Att 20 dB SWF 1.01 ms VBW 5 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -3.78 dBm 927.27520 MHz CF 927.5 MHz 1001 pts 500.0 kHz/ Span 5.0 MHz Date: 25.FEB.2022 09:37:32

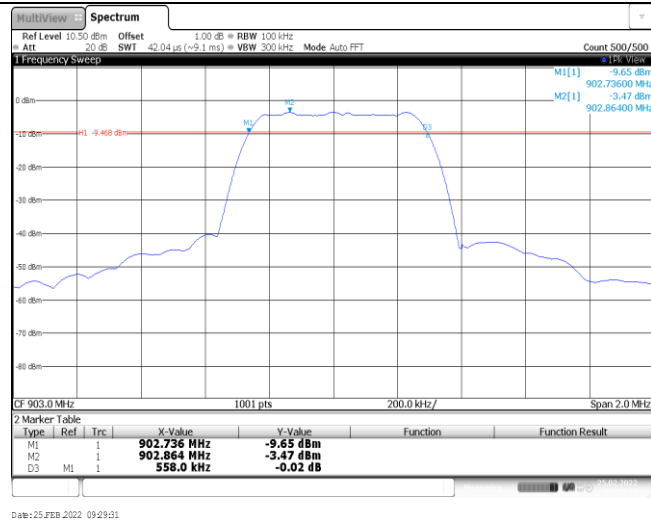
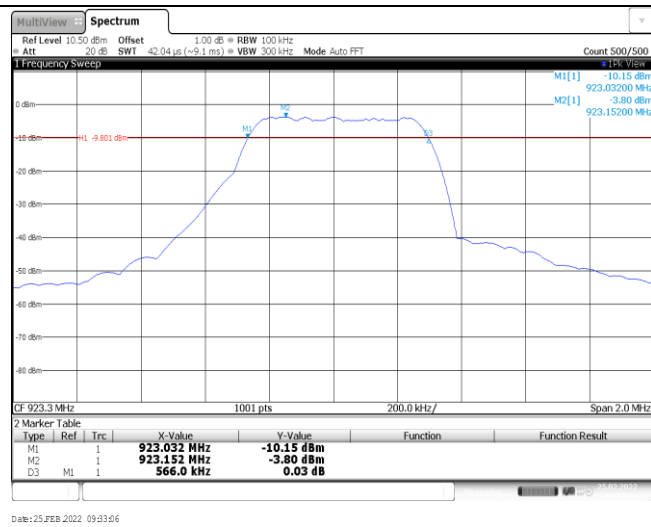
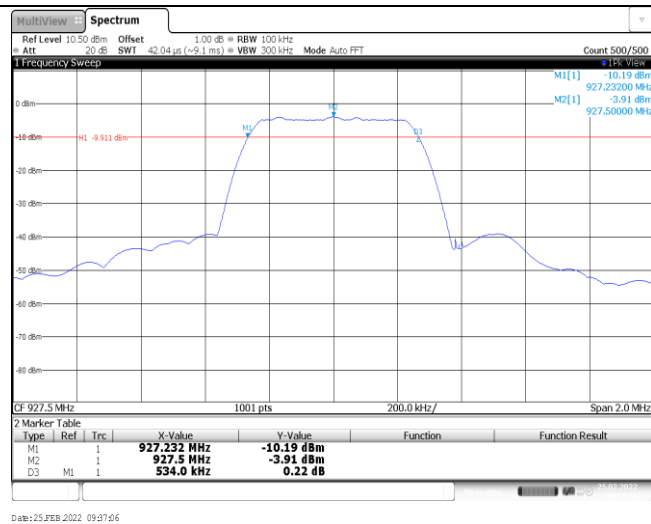
Appendix B: Power Spectral Density

Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
CH _L	-3.47	≤8.00	Pass
CH _M	-4.00		
CH _H	-3.95		

CH _L	MultiView Spectrum Ref Level 10.50 dBm Offset 30.0 dB Att 1.4 ms (-2.2 ms) RBW 3 kHz VBW 10 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep  CF 903.0 MHz 1001 pts 100.0 kHz/ Span 1.0 MHz Date: 25.FEB.2022 09:31:43
CH _M	MultiView Spectrum Ref Level 10.50 dBm Offset 30.0 dB Att 1.4 ms (-2.2 ms) RBW 3 kHz VBW 10 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep  CF 923.3 MHz 1001 pts 100.0 kHz/ Span 1.0 MHz Date: 25.FEB.2022 09:34:03
CH _H	MultiView Spectrum Ref Level 10.50 dBm Offset 30.0 dB Att 1.4 ms (-2.2 ms) RBW 3 kHz VBW 10 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep  CF 927.5 MHz 1001 pts 100.0 kHz/ Span 1.0 MHz Date: 25.FEB.2022 09:37:47

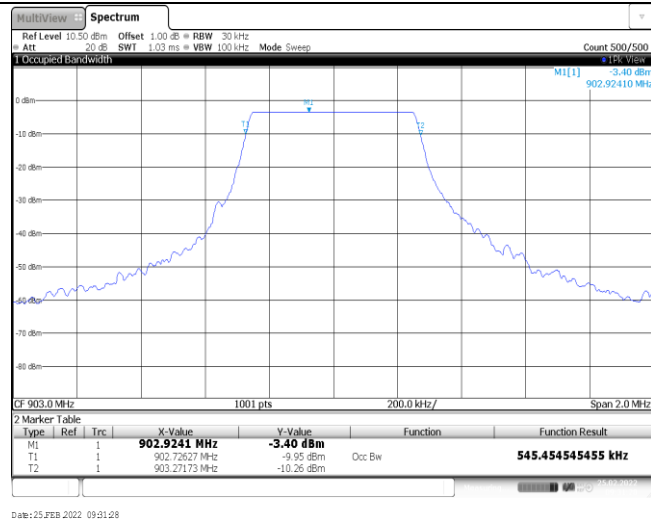
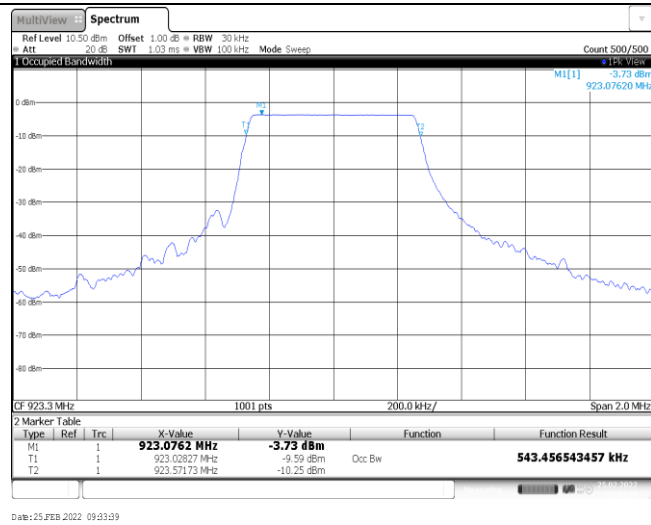
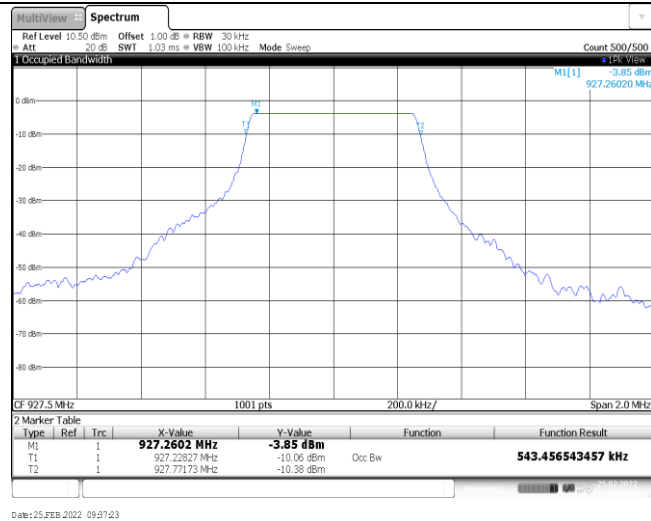
Appendix C: 6dB bandwidth

Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
CH _L	558.00	≥500	Pass
CH _M	566.00		
CH _H	534.00		

CH_LCH_MCH_H

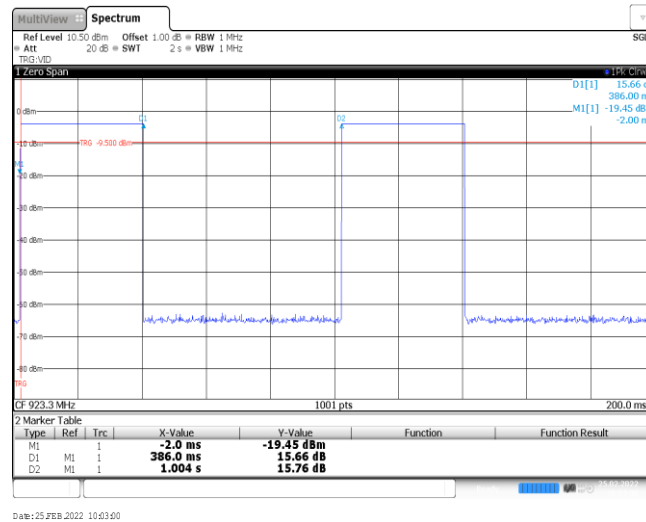
Appendix D: 99% Occupied Bandwidth

Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
CH _L	0.55	-	Pass
CH _M	0.54		
CH _H	0.54		

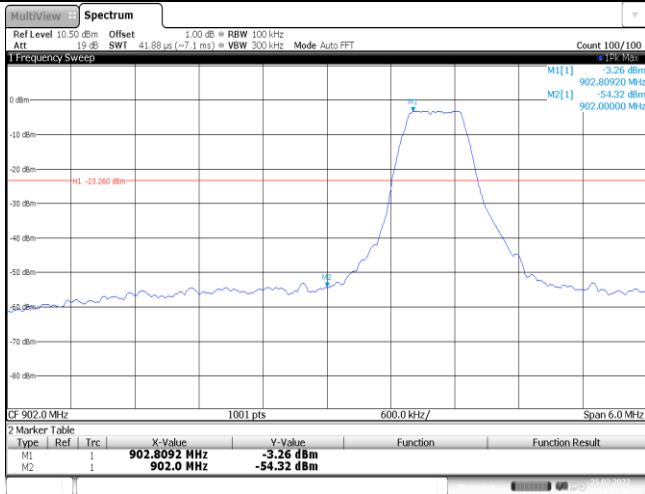
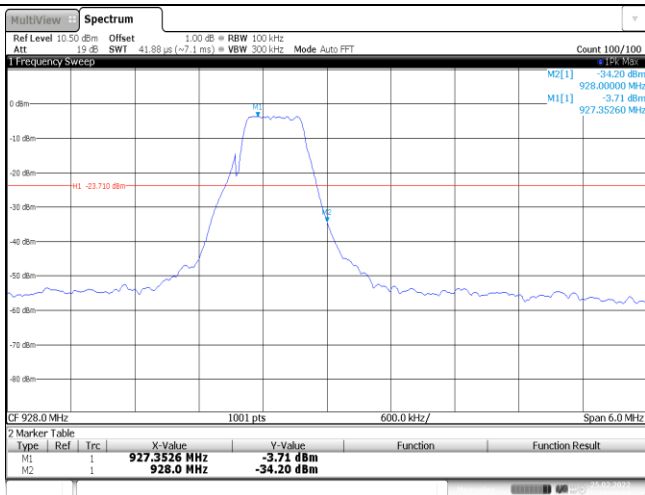
CH_LCH_MCH_H

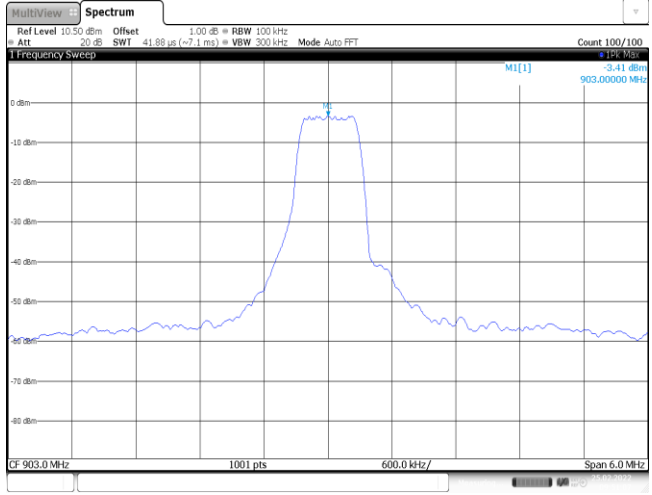
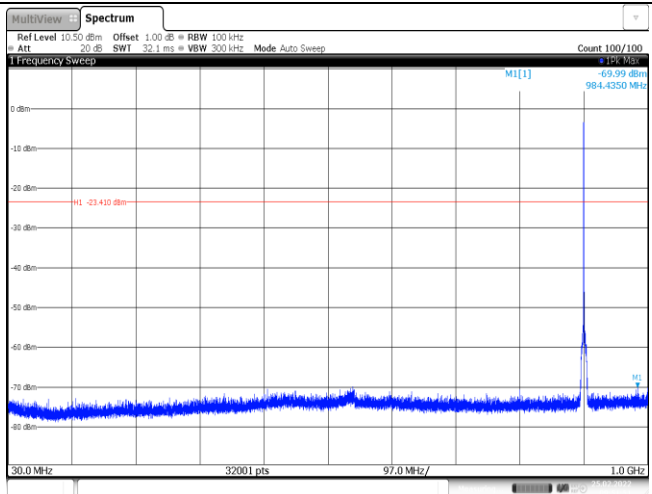
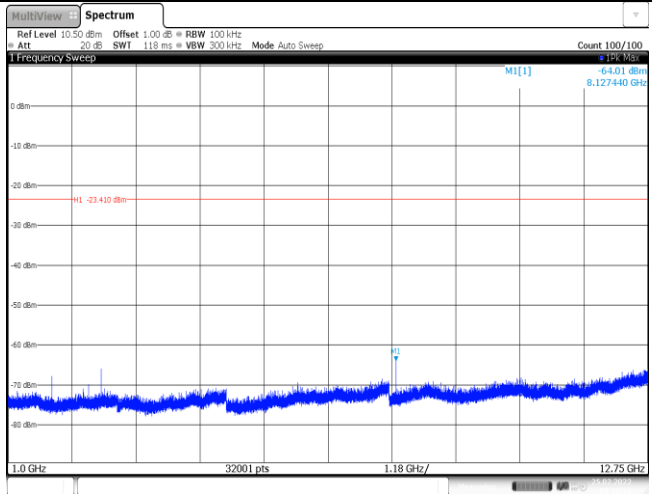
Appendix E: Duty cycle

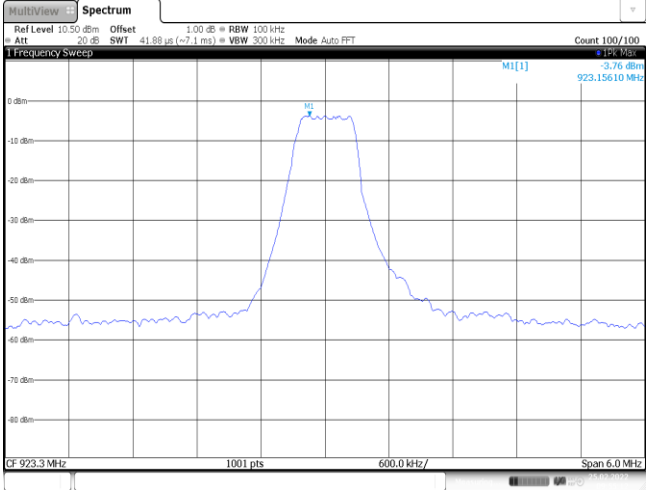
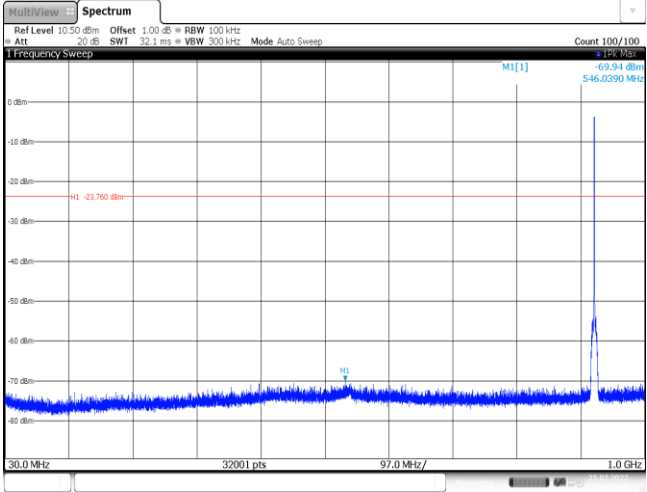
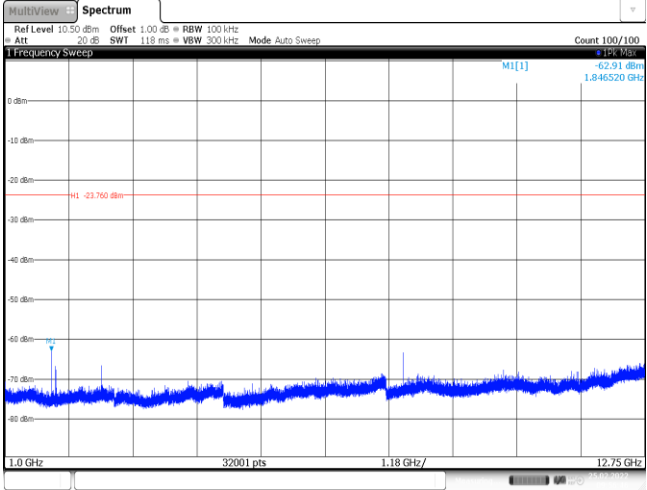
Test Frequency (MHz)	T _{on} time for single burst (s)	T _{period} (s)	Duty cycle	1/T _{on} time (kHz)
2442	0.386	1.004	38.5%	0.003

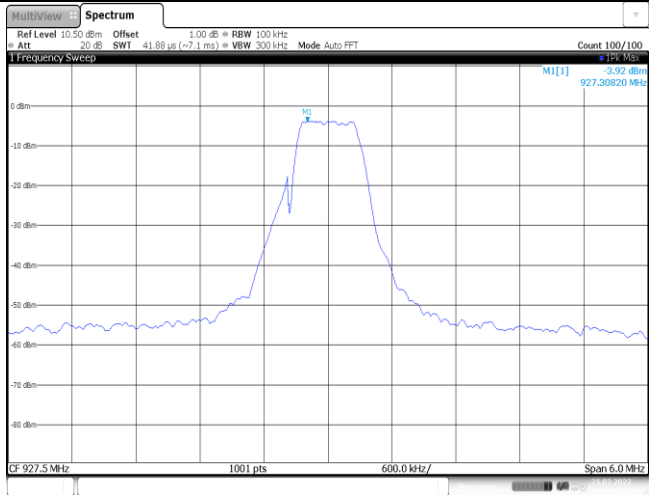
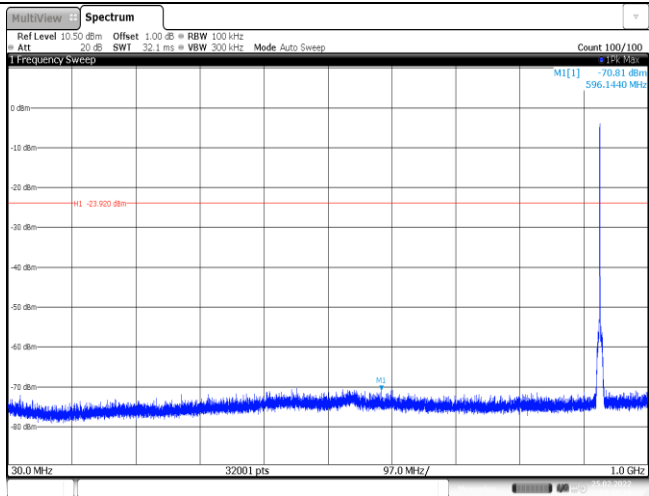
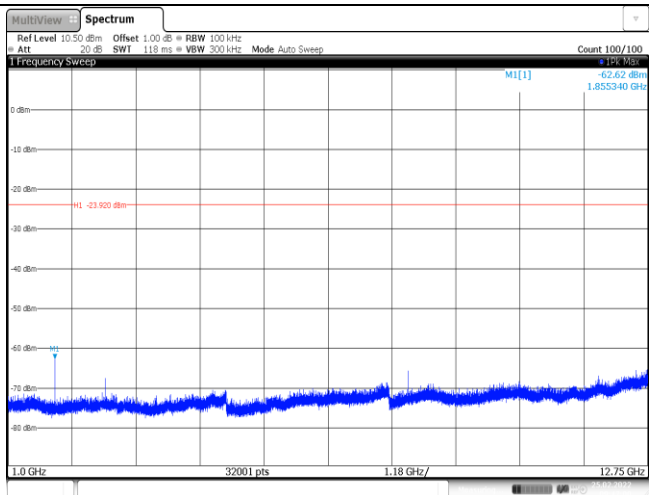


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge  CH_L
CH_H	 CH_H

Test Item:	SE
CH _L Reference level	 The spectrum plot shows a single prominent peak at 903.0 MHz. The y-axis represents power in dBm, ranging from -80 to 0. The x-axis represents frequency in MHz, ranging from 900 to 906. The peak is labeled M1[1] with a value of -3.41 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 10.50 dBm, Offset 1.00 dB, RBW 100 kHz, Mode Auto FFT, Count 100/100, Att 20 dB, SWI 41.88 μs (~7.1 ms), VBW 300 kHz. The date is 25.FEB.2022 09:51:07.
CH _L 30MHz~1000MHz	 The spectrum plot shows a peak at 984.4350 MHz. The y-axis represents power in dBm, ranging from -80 to 0. The x-axis represents frequency in MHz, ranging from 30.0 to 1000.0. The peak is labeled M1[1] with a value of -69.99 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 10.50 dBm, Offset 1.00 dB, RBW 100 kHz, Mode Auto Sweep, Count 100/100, Att 20 dB, SWI 32.1 ms, VBW 300 kHz. The date is 25.FEB.2022 09:51:51.
CH _L 1GHz~26GHz	 The spectrum plot shows a peak at 8.127440 GHz. The y-axis represents power in dBm, ranging from -80 to 0. The x-axis represents frequency in GHz, ranging from 1.0 to 12.75. The peak is labeled M1[1] with a value of -64.01 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 10.50 dBm, Offset 1.00 dB, RBW 100 kHz, Mode Auto Sweep, Count 100/100, Att 20 dB, SWI 118 ms, VBW 300 kHz. The date is 25.FEB.2022 09:52:44.

CH_M Reference level	 The plot shows a single sharp peak at 923.15610 MHz with a level of -3.76 dBm. The x-axis is centered at 923.3 MHz with a span of 6.0 MHz. The y-axis ranges from -80 dBm to 0 dBm. The plot title is 'Spectrum' and it includes parameters: Ref Level 10.50 dBm, Offset 1.00 dB, RBW 100 kHz, Mode Auto FFT, Count 100/100, Att 30 dB, SWF 41.88 μs, VSW 300 kHz. Date: 25 FEB 2022 09:55:11
CH_M 30MHz~1000MHz	 The plot shows a peak at 546.0390 MHz with a level of -69.94 dBm. The x-axis is centered at 30.0 MHz with a span of 1.0 GHz. The y-axis ranges from -80 dBm to 0 dBm. The plot title is 'Spectrum' and it includes parameters: Ref Level 10.50 dBm, Offset 1.00 dB, RBW 100 kHz, Mode Auto Sweep, Count 100/100, Att 30 dB, SWF 32.1 ms, VSW 300 kHz. Date: 25 FEB 2022 09:55:53
CH_M 1GHz~26GHz	 The plot shows a peak at 1.846520 GHz with a level of -62.91 dBm. The x-axis is centered at 1.0 GHz with a span of 12.75 GHz. The y-axis ranges from -80 dBm to 0 dBm. The plot title is 'Spectrum' and it includes parameters: Ref Level 10.50 dBm, Offset 1.00 dB, RBW 100 kHz, Mode Auto Sweep, Count 100/100, Att 30 dB, SWF 118 ms, VSW 300 kHz. Date: 25 FEB 2022 09:56:46

CH_H Reference level	 CF 927.5 MHz 1001 pts 600.0 kHz/ Span 6.0 MHz Date: 25 FEB 2022 09:43:41
CH_H 30MHz~1000MHz	 30.0 MHz 32001 pts 97.0 MHz/ 1.0 GHz Date: 25 FEB 2022 09:45:48
CH_H 1GHz~26GHz	 1.0 GHz 32001 pts 1.18 GHz/ 12.75 GHz Date: 25 FEB 2022 09:47:00

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