

APPENDIX REPORT

Project No.	SHT1911060702EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT19110607028	Model No.	TE300
Start test date	2020/1/2	Finish date	2020/1/2
Temperature	25°C	Humidity	50%
Test Engineer	Ximing.Huang	Auditor	<i>William.wang</i>

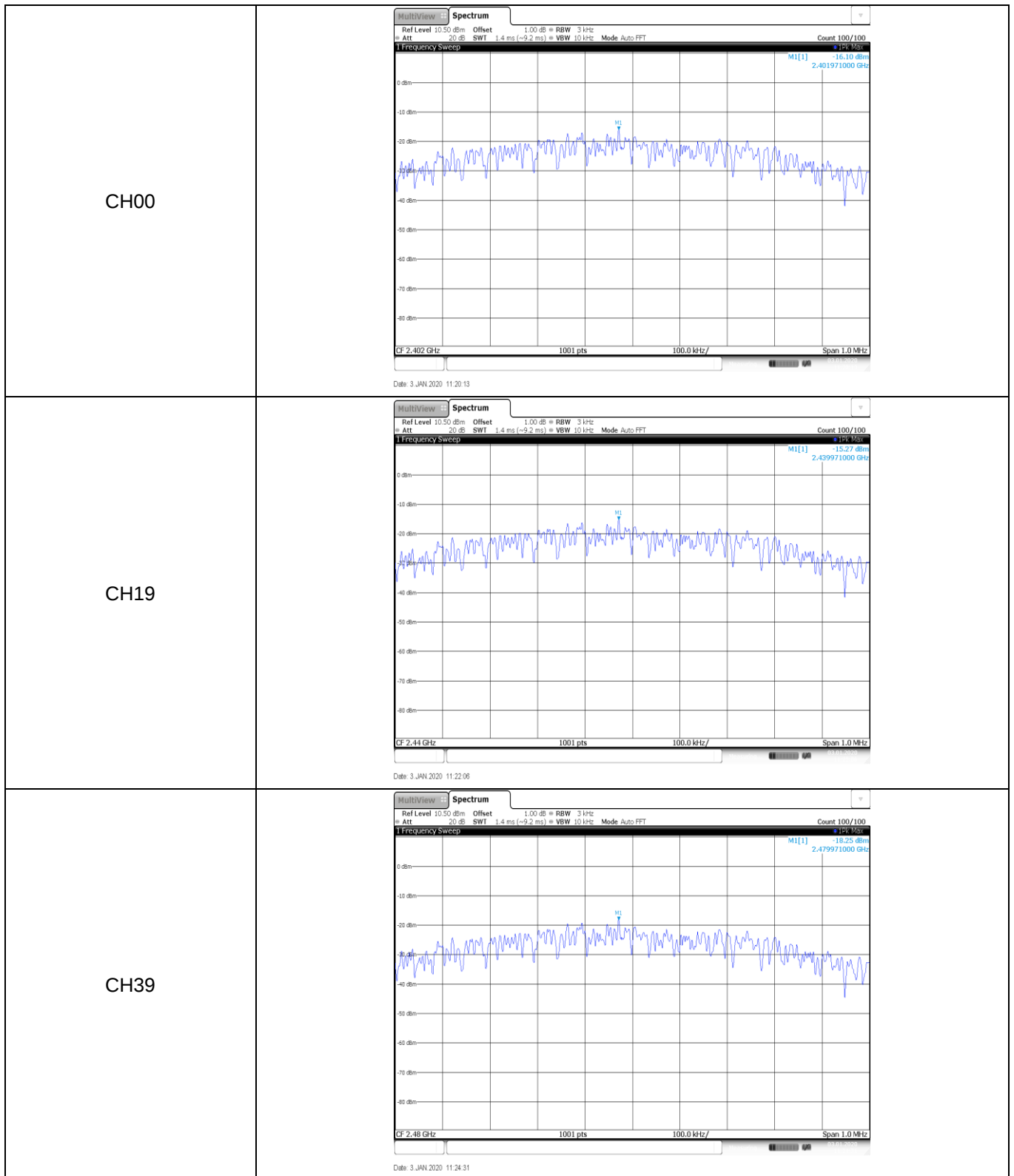
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	-0.96	-0.97	≤30.00	Pass
	19	-0.20	-0.21		
	39	-3.17	-3.19		

Appendix B: Power Spectral Density

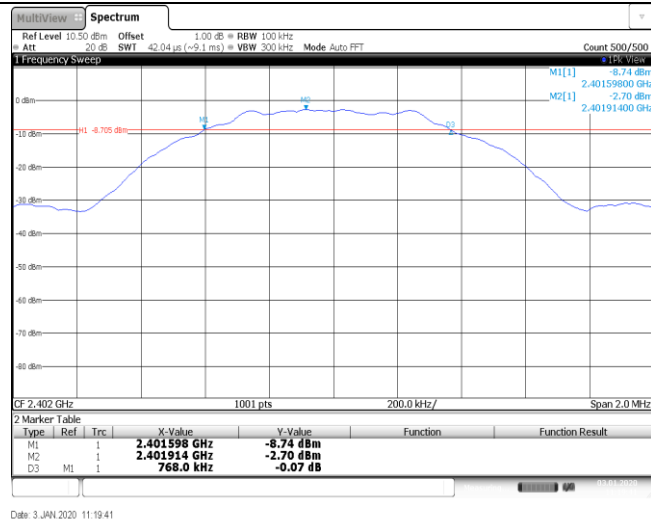
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-16.10	≤8.00	Pass
	19	-15.27		
	39	-18.25		



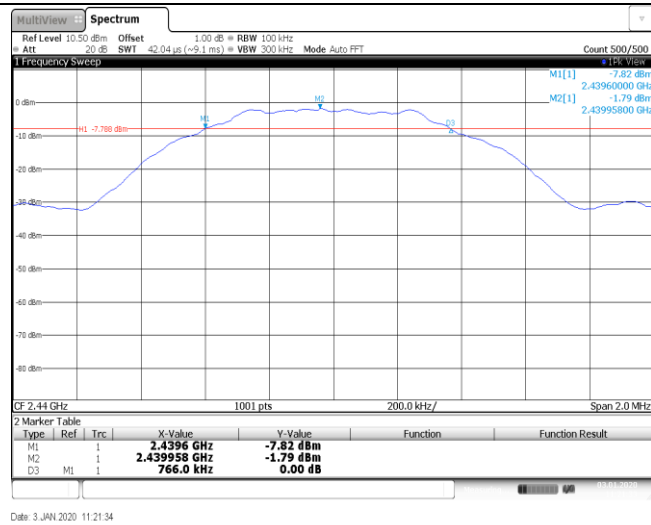
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	768.00	≥500	Pass
	19	766.00		
	39	772.00		

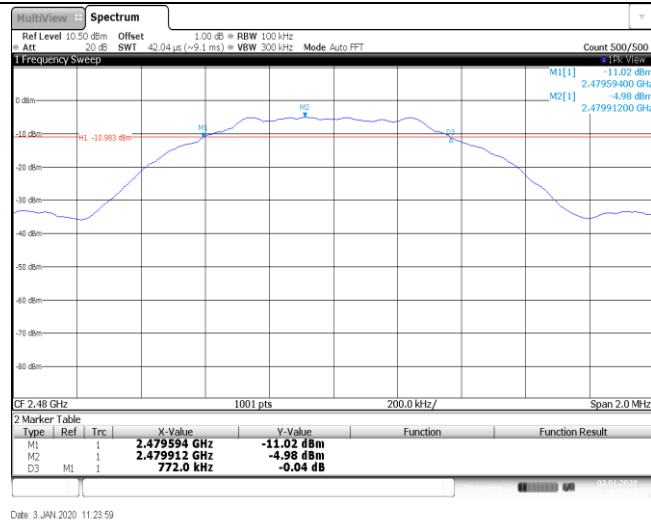
CH00



CH19



CH39



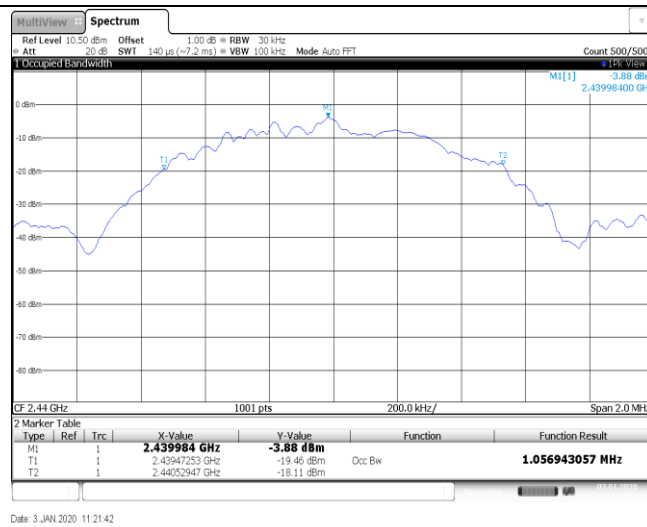
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.06	-	Pass
	19	1.06		
	39	1.06		

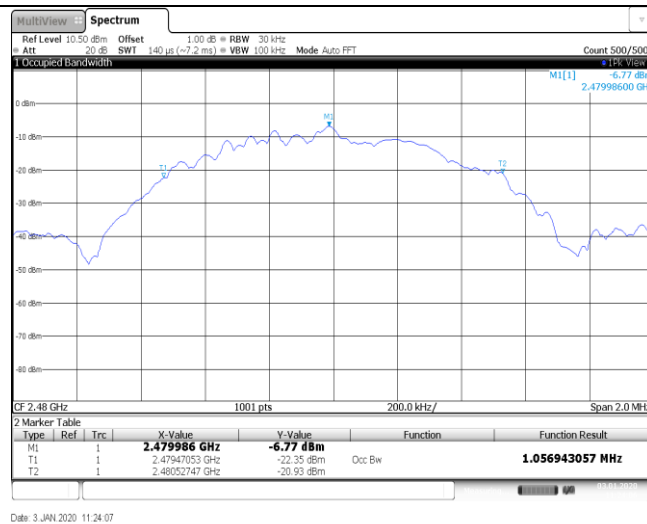
CH00



CH19

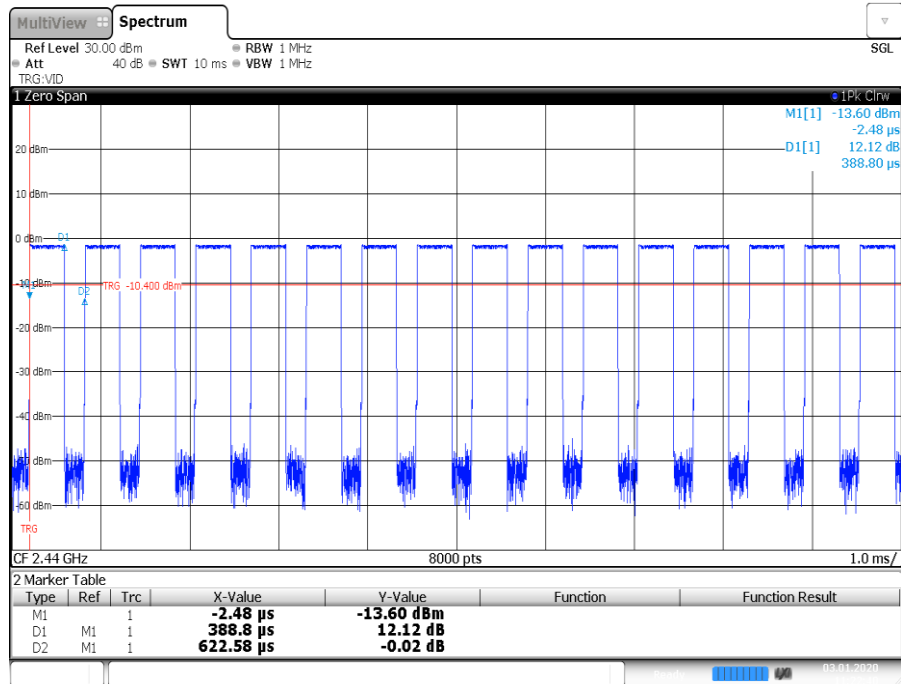


CH39



Appendix E: Duty cycle

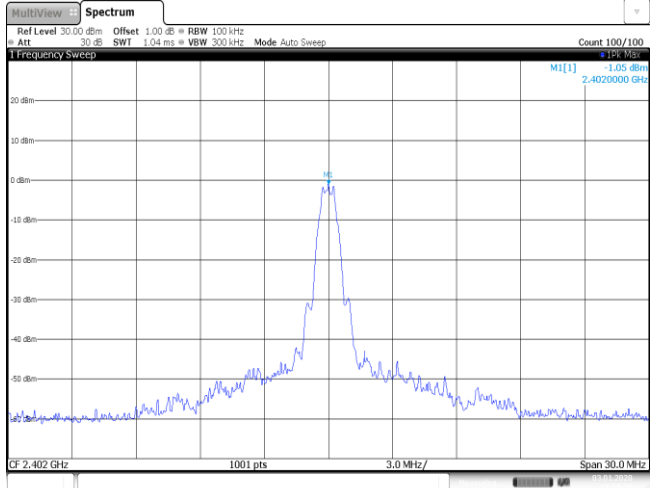
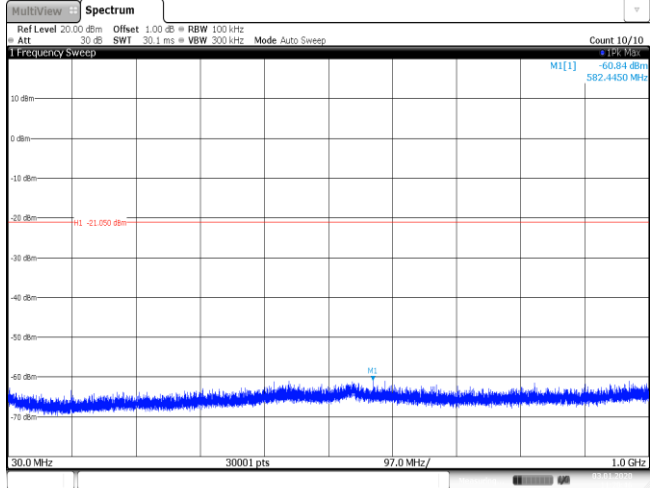
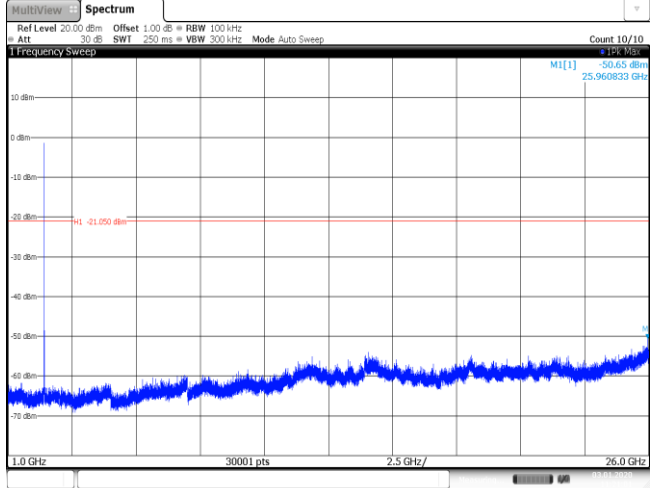
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.39	0.62	62.9%	2.6

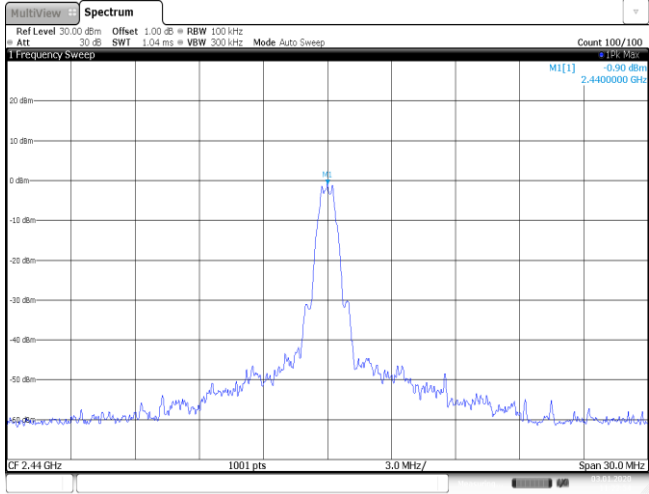
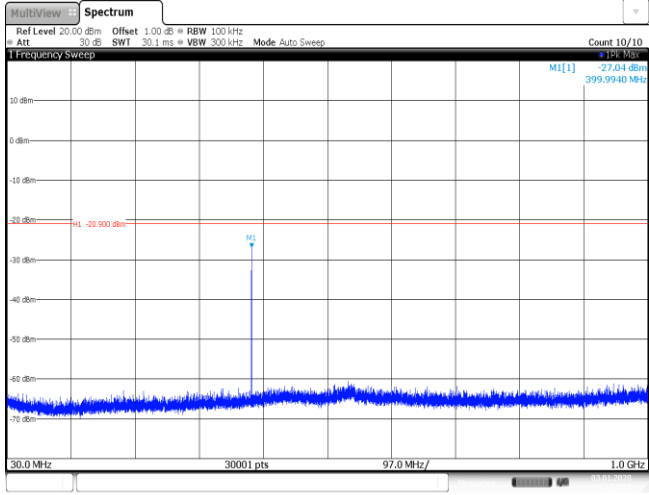
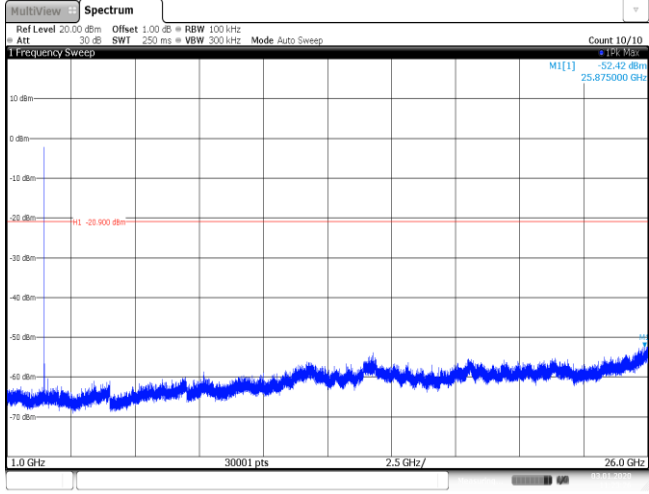


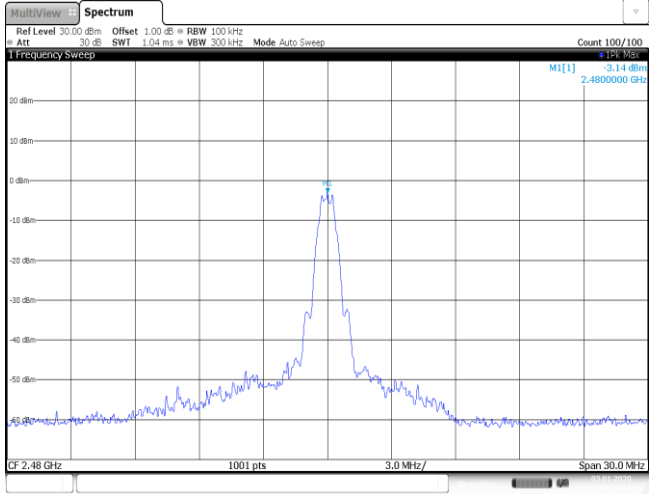
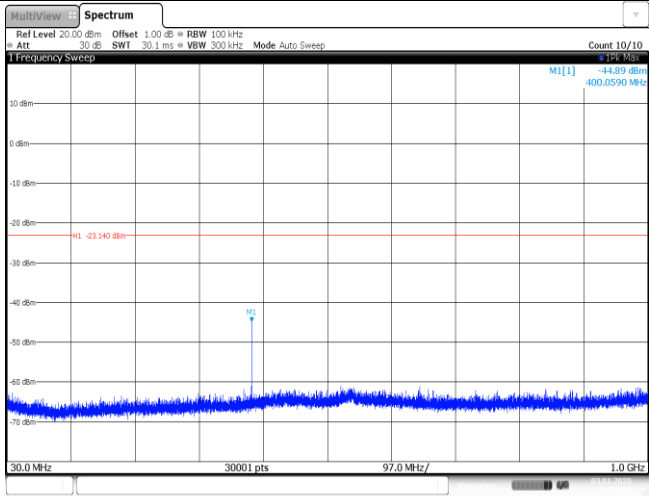
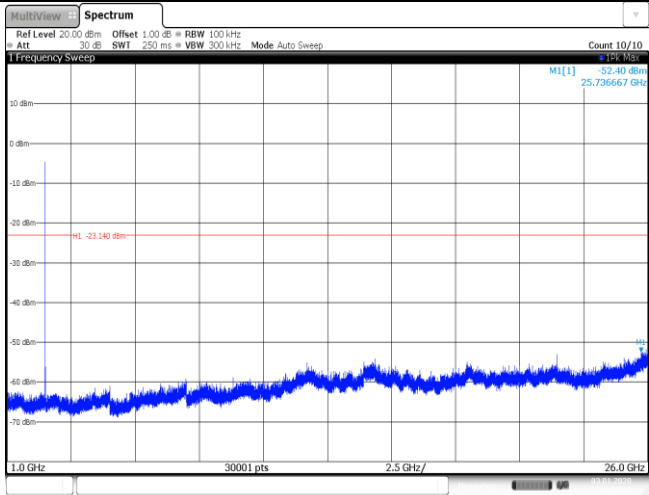
Date: 3 JAN 2020 11:22:41

Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Band edge
CH00	MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB BW 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] -1.19 dBm M2[1] -44.92 dBm M3[1] -65.65 dBm M4[1] -73.73 dBm M5[1] -46.88 dBm 2.40201 GHz 2.4 GHz 2.39 GHz 2.31 GHz 2.39854 GHz 2.40201 GHz 2.4 GHz

Test Item:	SE
CH00 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 1.05 dBm 2.402000 GHz 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 3 JAN 2020 11:20:30
CH00 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.84 dBm 582.4450 MHz 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 3 JAN 2020 11:20:45
CH00 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -50.65 dBm 25.960833 GHz 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 3 JAN 2020 11:21:01

CH19 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30.0 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] -0.90 dBm 2.440000 GHz CF 2.44 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 3 JAN 2020 11:22:54
CH19 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30.0 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -27.04 dBm 399.9940 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 3 JAN 2020 11:23:10
CH19 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30.0 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -52.42 dBm 25.875000 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 3 JAN 2020 11:23:28

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

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