

APPENDIX REPORT

Project No.	SHT2008055601EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT20080556001	Model No.	HTLB14INC4Z1SBK
Start test date	2020/8/26	Finish date	2020/8/26
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zheo

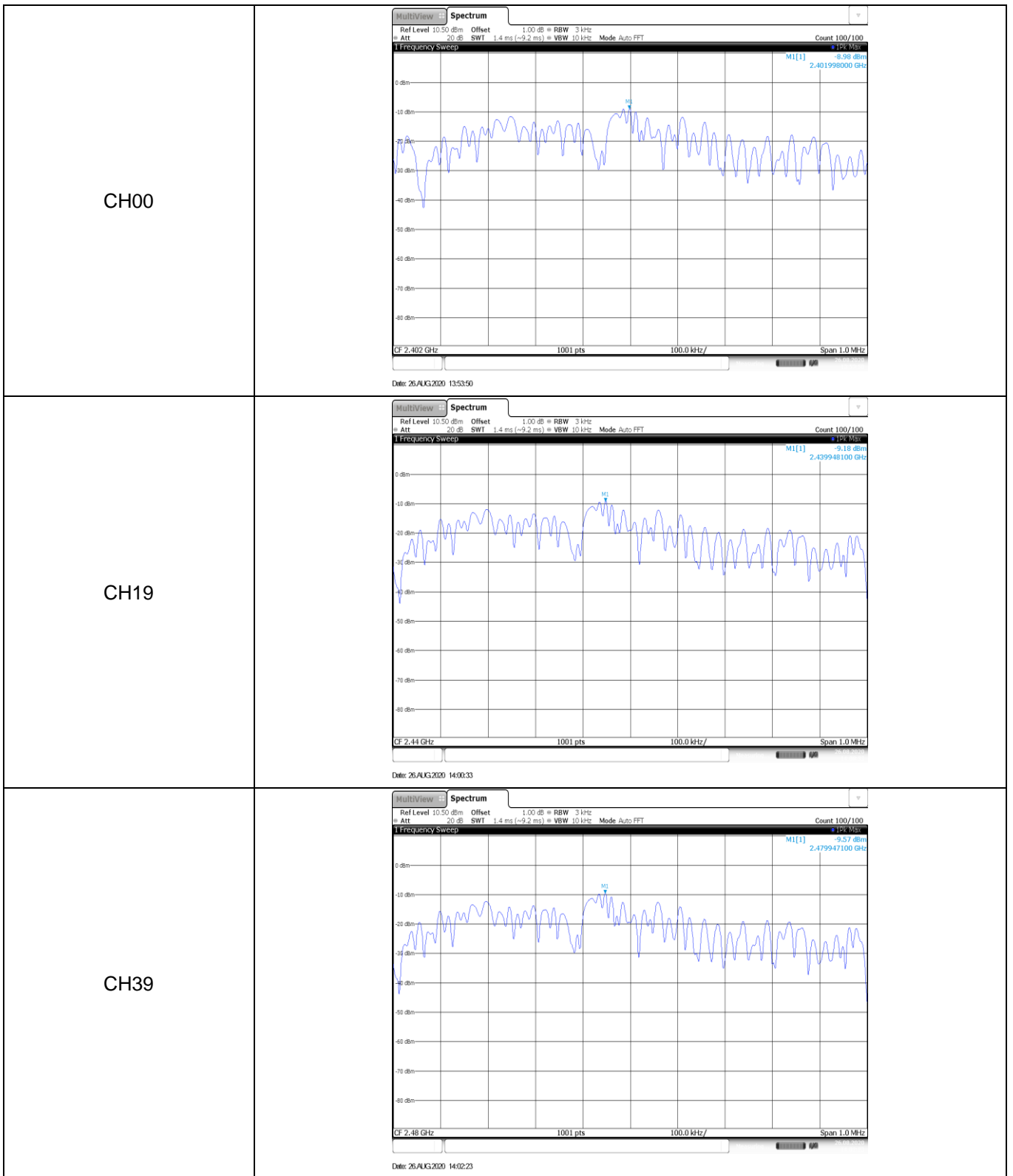
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Peak Output Power

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	9.58	9.55	≤ 30.00	Pass
	19	9.17	9.16		
	39	8.95	8.92		

Appendix B: Power Spectral Density

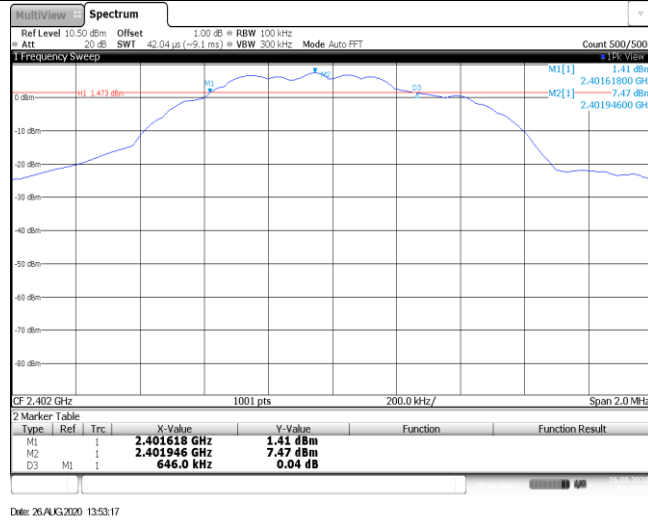
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-8.98	≤8.00	Pass
	19	-9.18		
	39	-9.57		



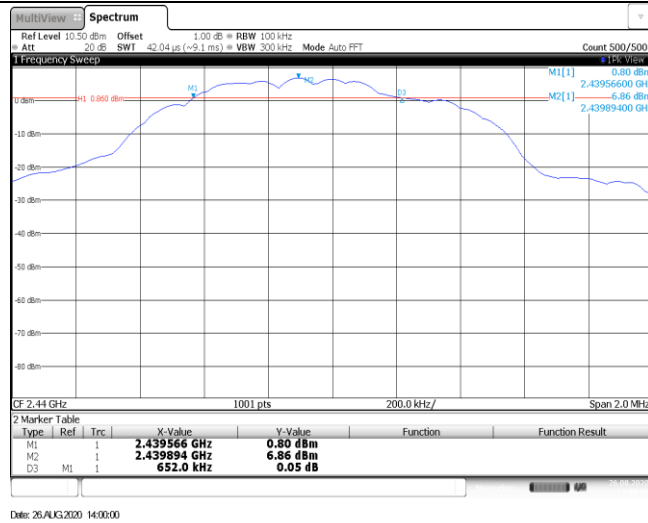
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	646.00	≥500	Pass
	19	652.00		
	39	650.00		

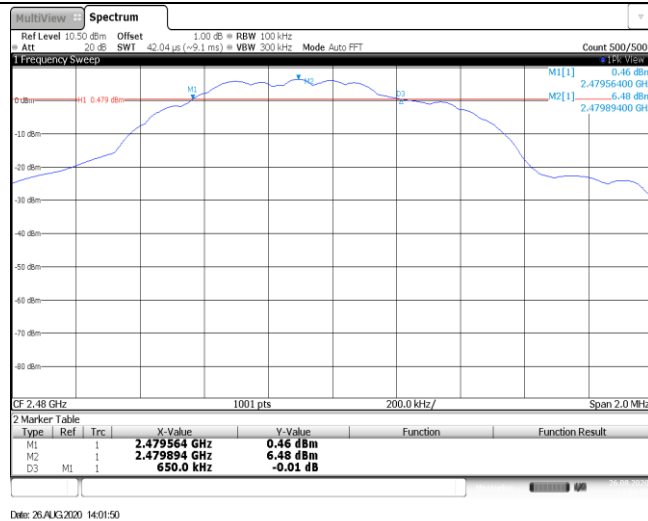
CH00



CH19



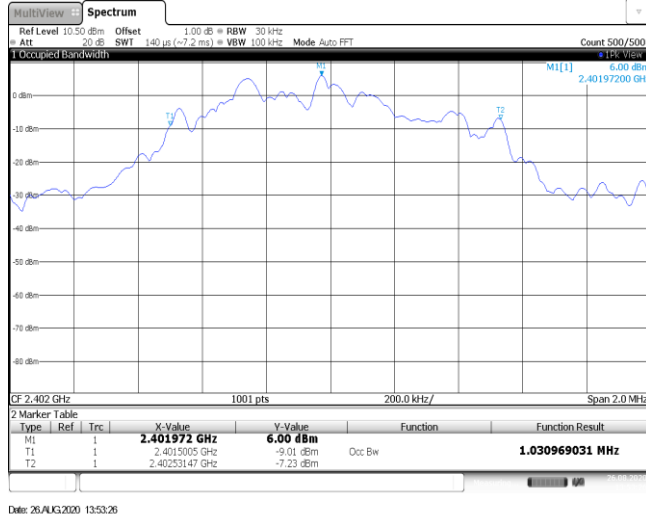
CH39



Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.03	-	Pass
	19	1.03		
	39	1.03		

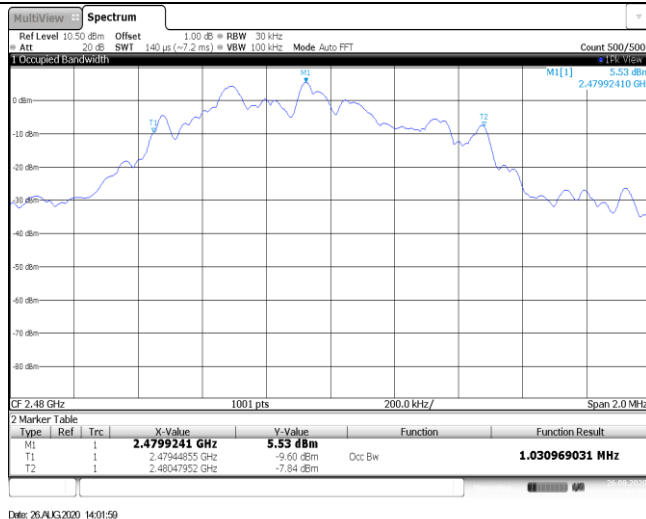
CH00



CH19

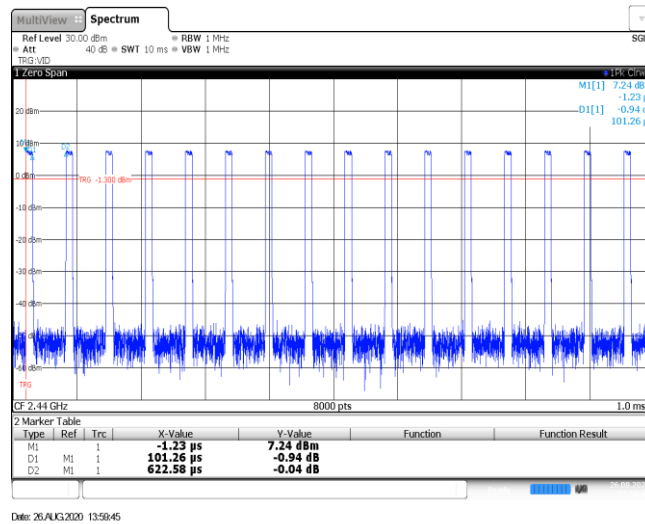


CH39

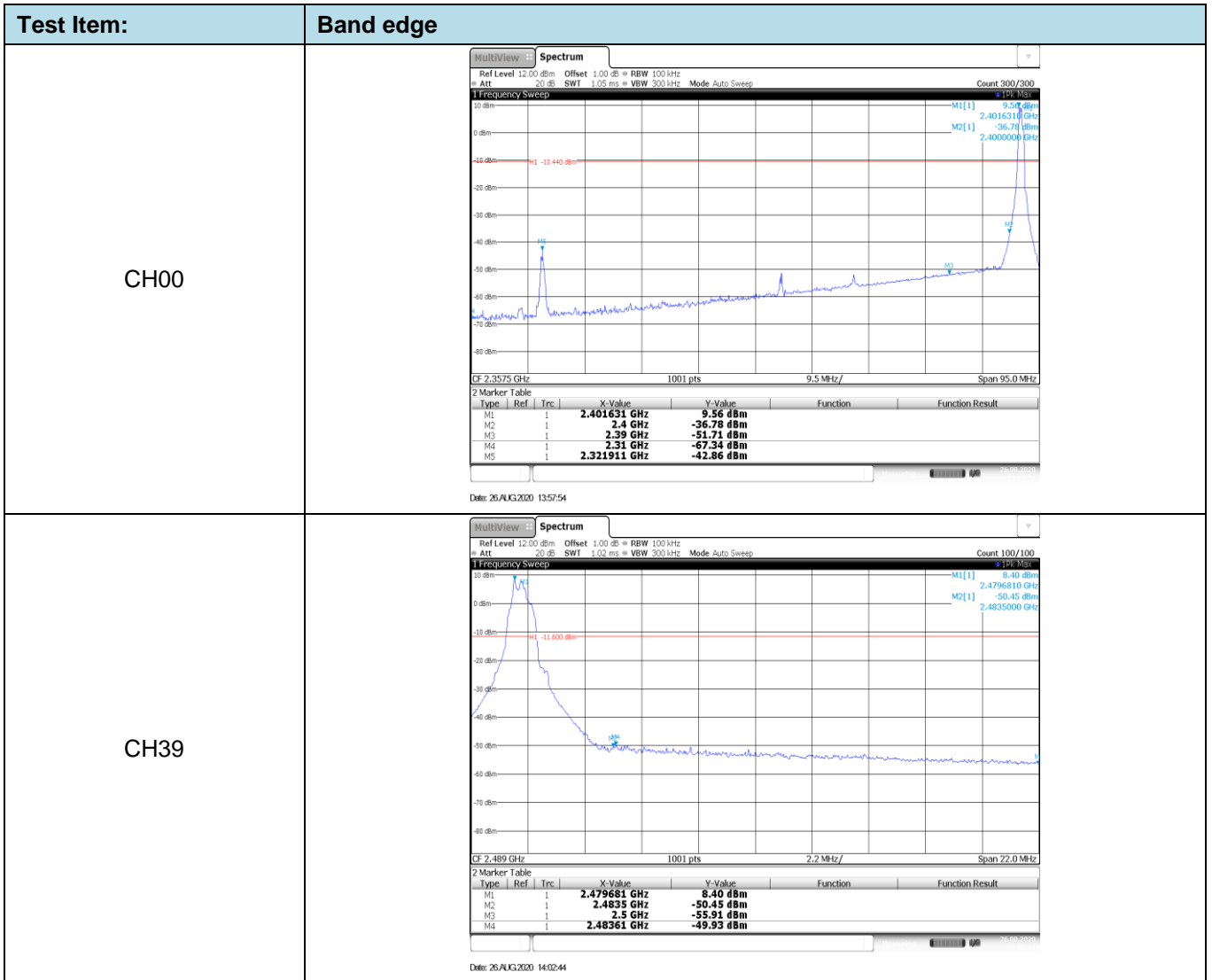


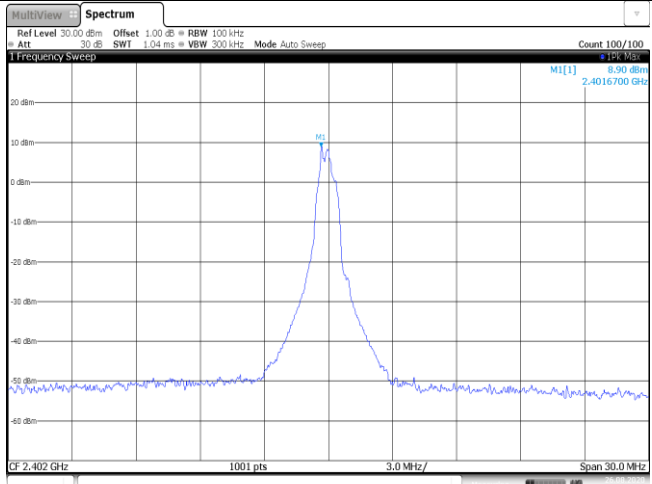
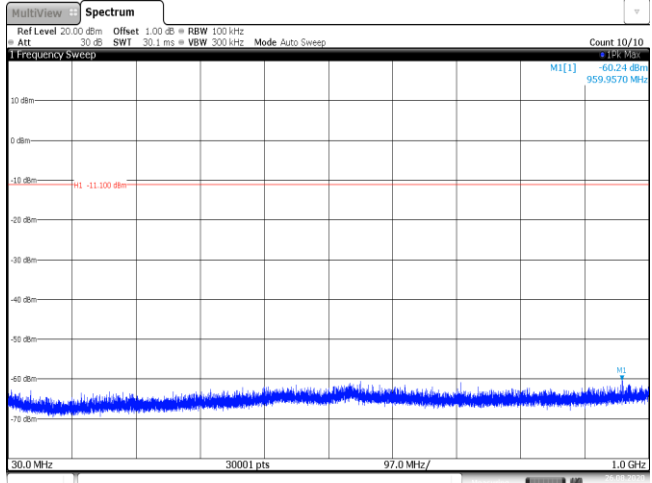
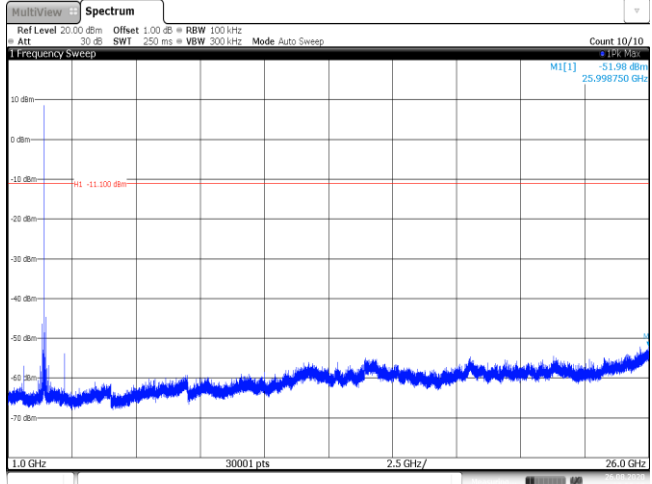
Appendix E: Duty cycle

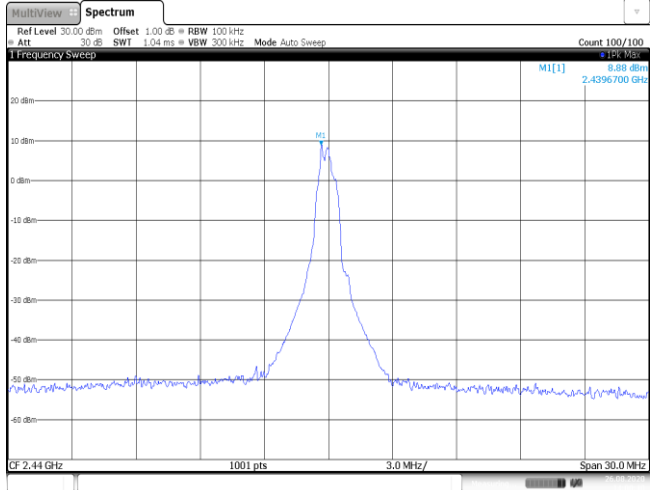
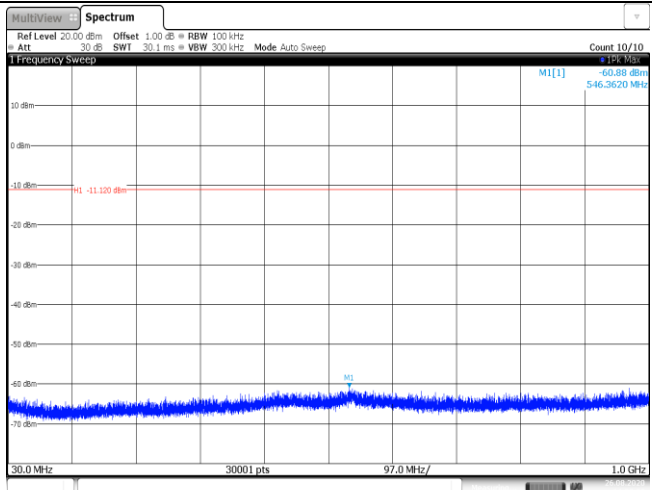
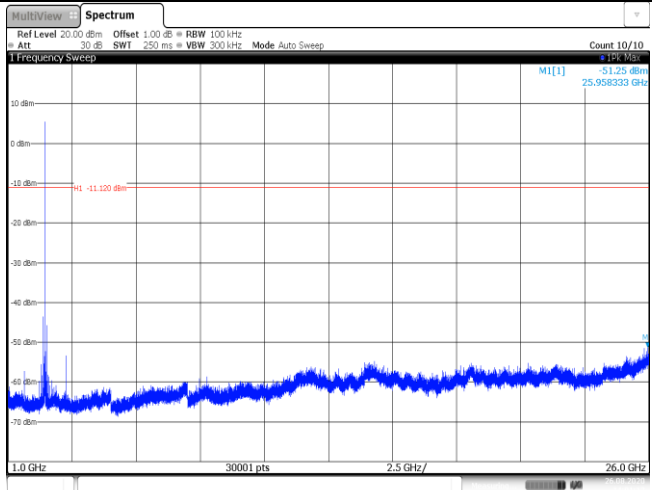
Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.10	0.62	16.1%	10.0

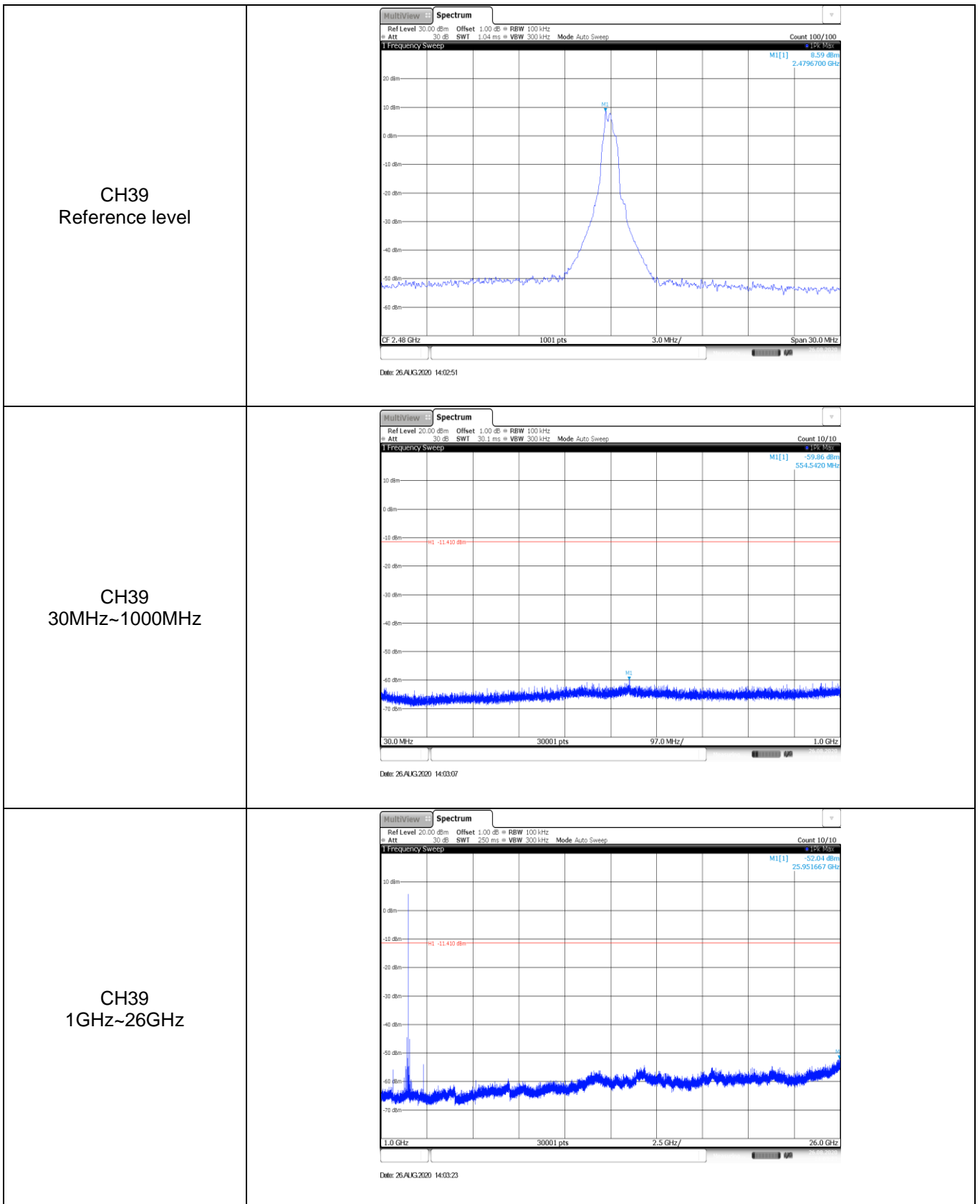


Appendix F: Band edge and Spurious Emissions (conducted)



Test Item:	SE
<p>CH00 Reference level</p>	 <p>MultiView Spectrum 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 1 Frequency Sweep MI[1] 8.90 dBm 2.4016700 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 26/ALG/2020 13:58:01</p>
<p>CH00 30MHz~1000MHz</p>	 <p>MultiView Spectrum 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 1 Frequency Sweep MI[1] -60.24 dBm 959.9570 MHz H1 -11.100 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 26/ALG/2020 13:58:17</p>
<p>CH00 1GHz~26GHz</p>	 <p>MultiView Spectrum 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 1 Frequency Sweep MI[1] -51.98 dBm 25.998730 GHz H1 -11.100 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 26/ALG/2020 13:58:19</p>

<p>CH19 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 [1] 6.88 dBm 2.4396700 GHz CF 2.44 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 26/AUG/2020 14:00:40</p>
<p>CH19 30MHz~1000MHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1 [1] -60.88 dBm 546.3620 MHz H1 -11.120 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 26/AUG/2020 14:00:56</p>
<p>CH19 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1 [1] -51.25 dBm 25.958333 GHz H1 -11.120 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 26/AUG/2020 14:01:12</p>



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