

# APPENDIX REPORT

Project No.	SHT2012093501EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT20120935003	Model No.	NOBU A60 Pro
Start test date	2020/12/31	Finish date	2020/12/31
Temperature	23.8°C	Humidity	38%
Test Engineer	Hailey Chen	Auditor	<i>Xiaodong Zheo</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

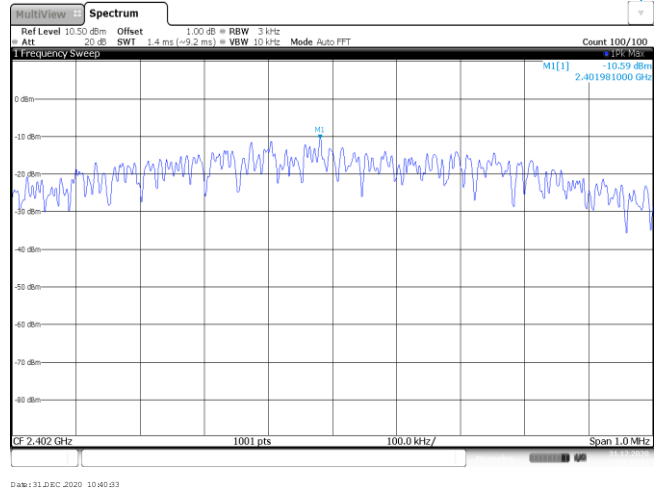
**Appendix A: Peak Output Power**

Type	Channel	Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	3.97	3.86	≤ 30.00	Pass
	19	4.69	4.67		
	39	3.91	3.90		

**Appendix B: Power Spectral Density**

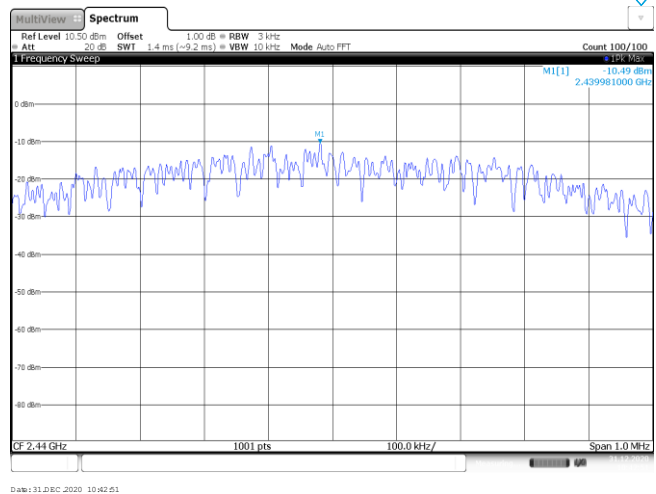
Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-10.59	≤8.00	Pass
	19	-10.49		
	39	-11.36		

CH00



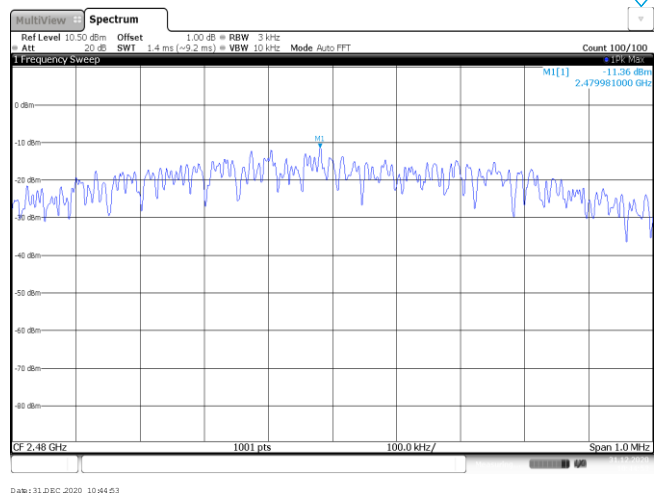
Date: 31.08.2020 10:40:53

CH19



Date: 31.08.2020 10:42:51

CH39

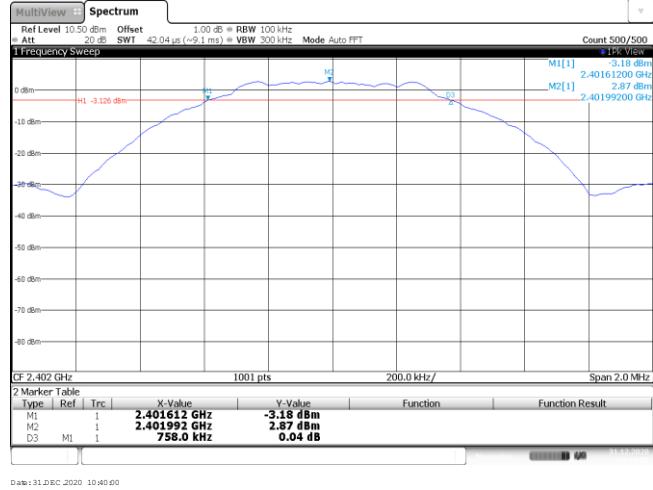


Date: 31.08.2020 10:44:53

**Appendix C: 6dB bandwidth**

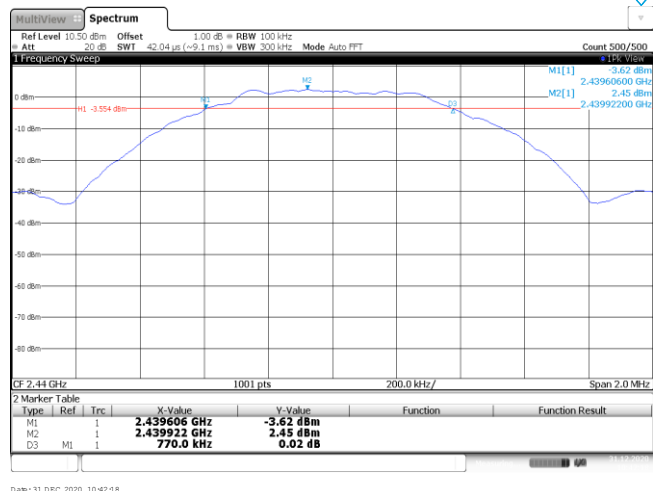
Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	758.00	≥500	Pass
	19	770.00		
	39	764.00		

CH00



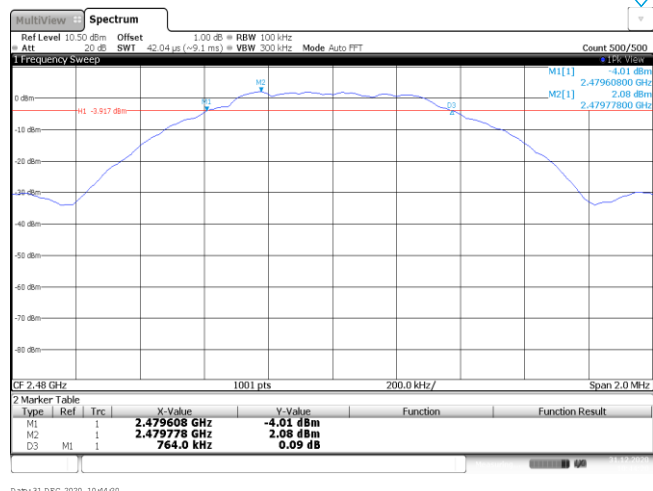
Date: 31.DEC.2020 10:40:20

CH19



Date: 31.DEC.2020 10:42:18

CH39

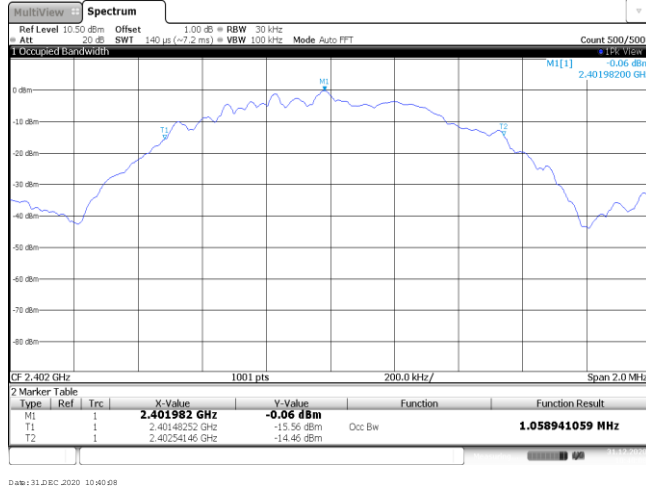


Date: 31.DEC.2020 10:44:20

**Appendix D: 99% Occupied Bandwidth**

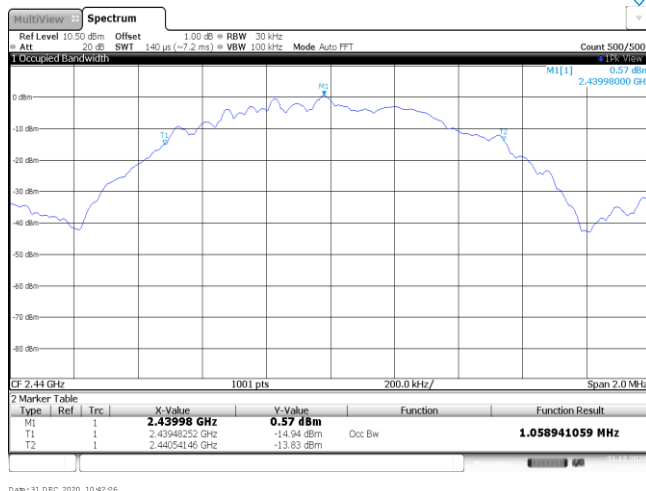
Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.06	-	Pass
	19	1.06		
	39	1.06		

CH00



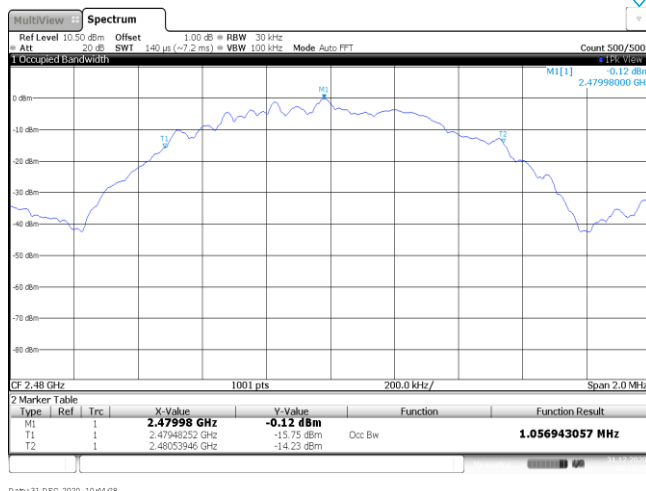
Date: 31.03.2020 10:40:49

CH19



Date: 31.03.2020 10:42:26

CH39

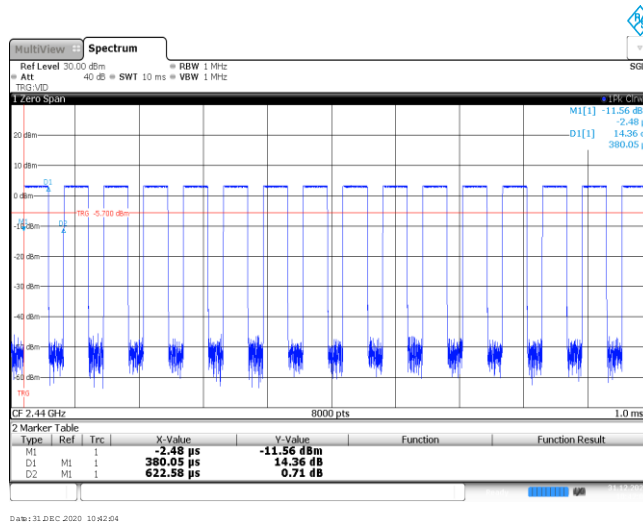


Date: 31.03.2020 10:44:29

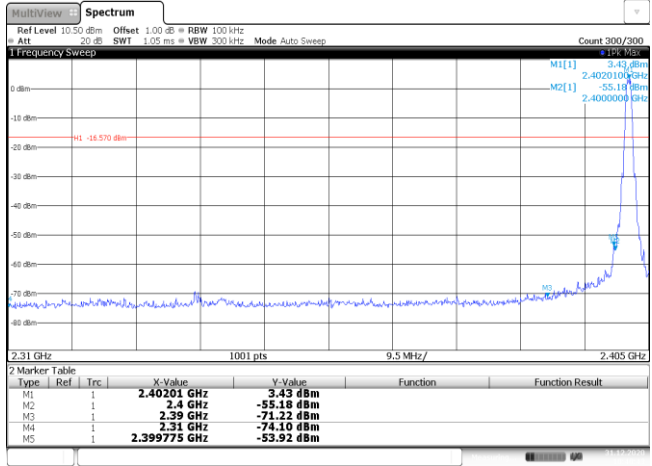
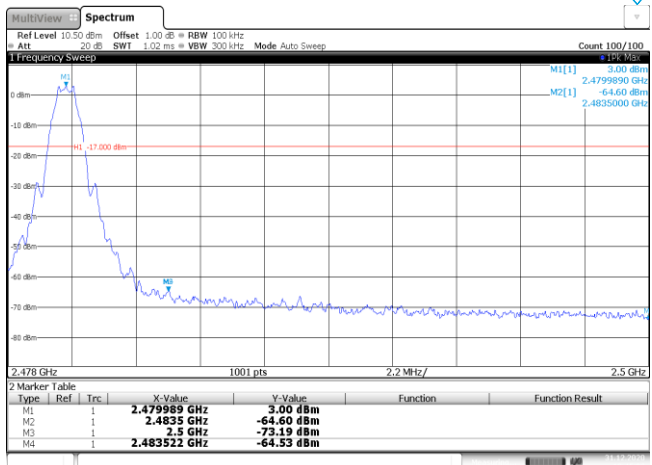


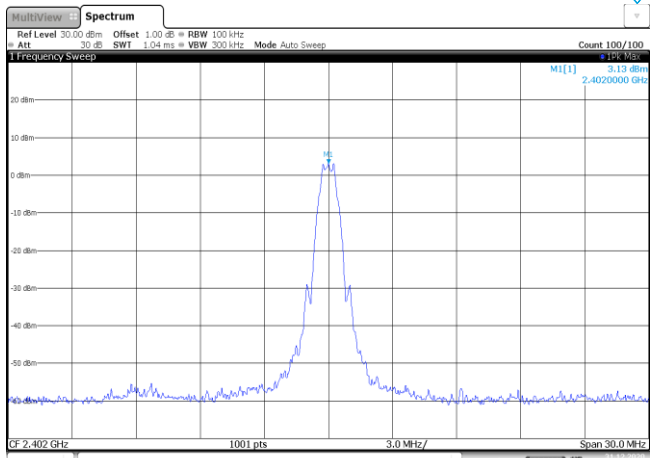
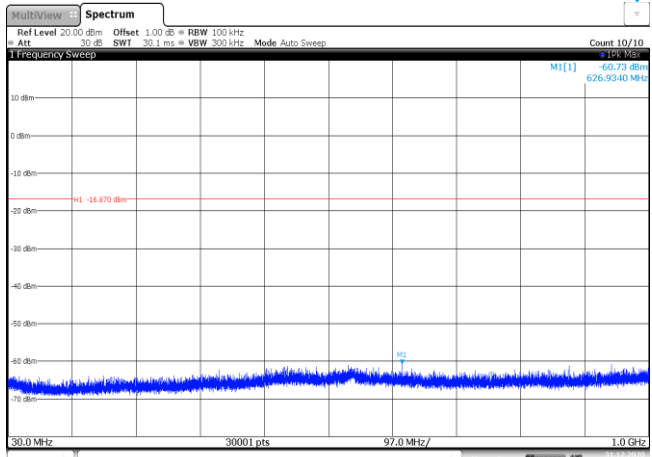
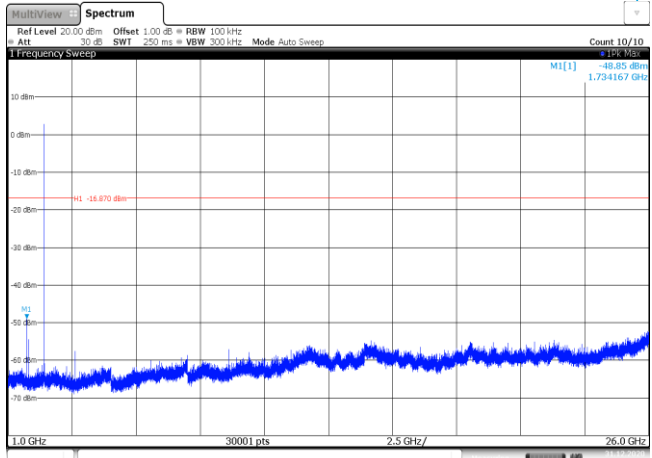
### Appendix E: Duty cycle

Test Frequency (MHz)	T <sub>on</sub> time for single burst (ms)	T <sub>period</sub> (ms)	Duty cycle	1/T <sub>on</sub> time (kHz)
2440	0.38	0.62	61.3%	2.6

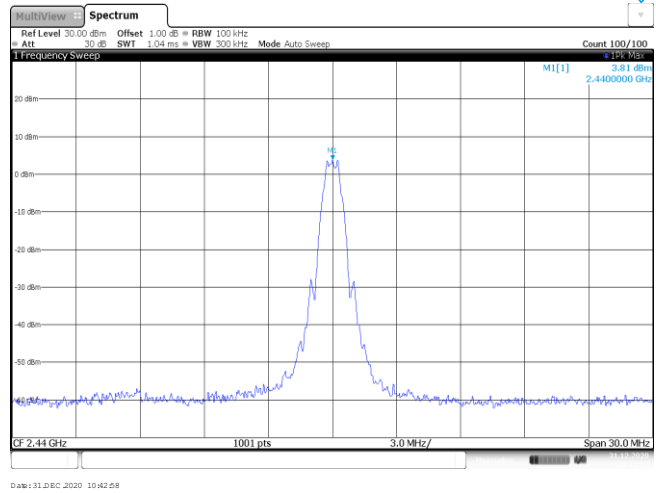


### Appendix F: Band edge and Spurious Emissions (conducted)

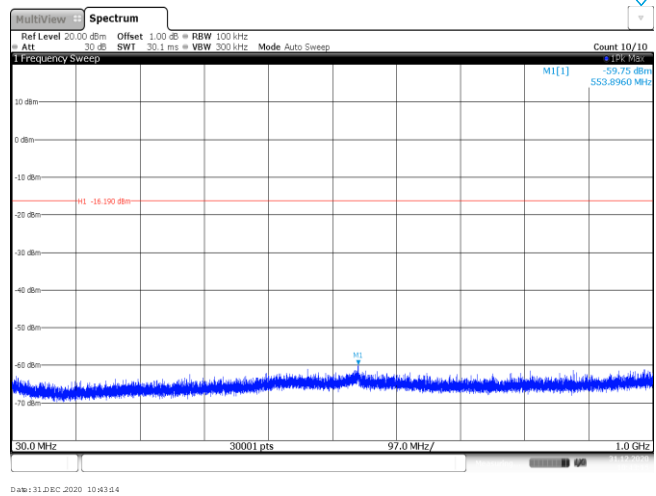
Test Item:	Band edge
<p style="text-align: center;">CH00</p>	 <p style="text-align: center;">Date: 31.Dec.2020 10:40:44</p>
<p style="text-align: center;">CH39</p>	 <p style="text-align: center;">Date: 31.Dec.2020 10:45:03</p>

Test Item:	SE
<p>CH00 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -3.13 dBm 2.402000 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 31.DEC.2020 10:40:51</p>
<p>CH00 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.73 dBm 626.9340 MHz H1 -16.870 dBm M1 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 31.DEC.2020 10:41:07</p>
<p>CH00 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -48.85 dBm 1.734167 GHz H1 -16.870 dBm M1 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 31.DEC.2020 10:41:23</p>

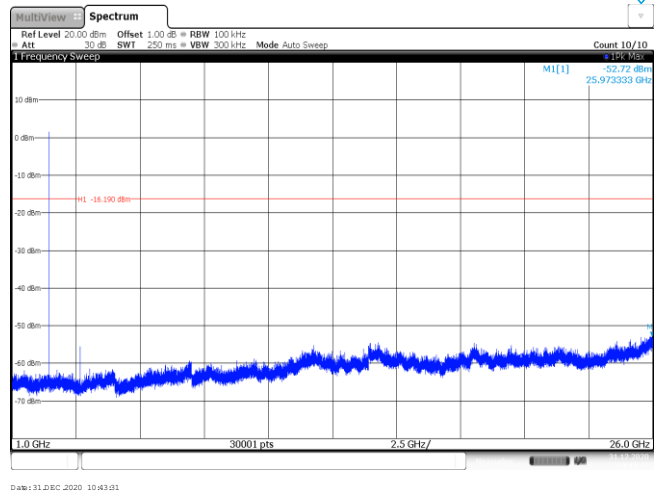
CH19  
Reference level

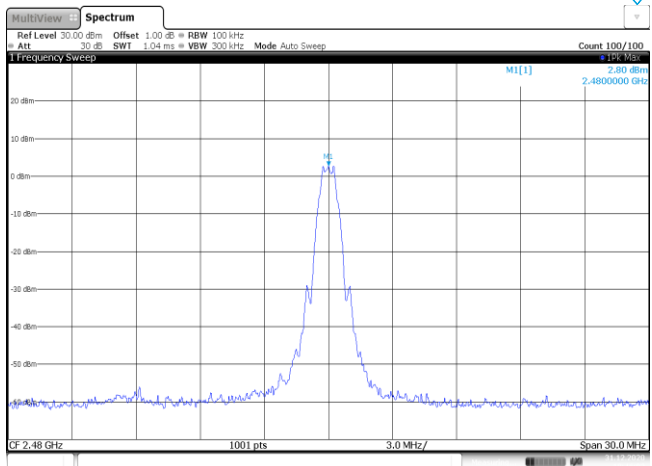
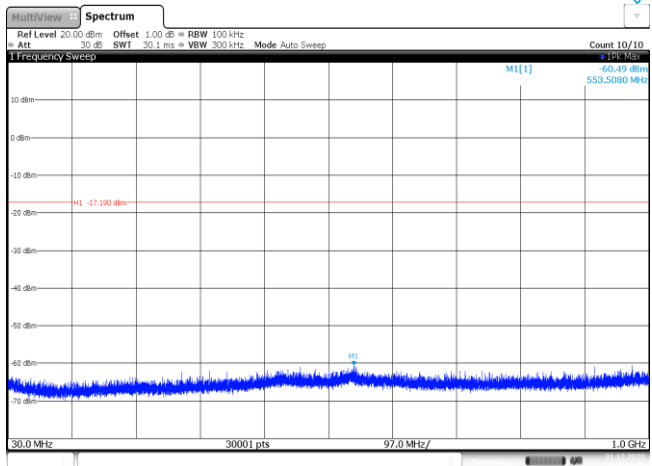
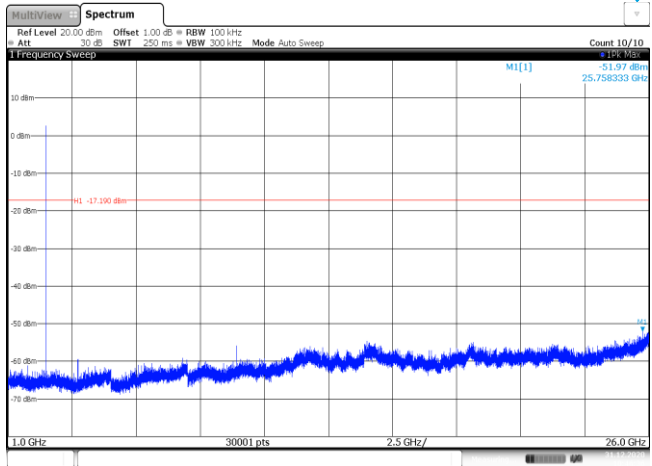


CH19  
30MHz~1000MHz



CH19  
1GHz~26GHz



<p>CH39 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 2.480 dBm 2.4800000 GHz CF 2.48 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 31.DEC.2020 10:46:04</p>
<p>CH39 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.49 dBm 553.5080 MHz M1 -17.100 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 31.DEC.2020 10:46:20</p>
<p>CH39 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -31.97 dBm 25.758333 GHz M1 -17.100 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 31.DEC.2020 10:46:26</p>

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