## Annex L. Considerations Related to Bluetooth for Setup and Testing

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

The Bluetooth call box has been used during SAR measurement and the EUT was set to DH5 mode at the maximum output power. Its duty factor was calculated as below and the measured SAR for Bluetooth would be scaled to the 100% transmission duty factor to determine compliance.

The duty factor of Bluetooth signal are shown as below.

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## <Time-domain plot for Bluetooth transmission signal> ALIGN AUTO 11:41:34 PM Aug 13, 2021 BW Avg Type: Log-Pwr RBW 1.0 MHz Trig: Free Run PNO: Fast → Atten: 10 dB IFGain:Low **Res BW** 1.0 MHz 10 dB/div Ref -12.00 dBm Video BW 1.0 MHz VBW:3dB RBW Man Span:3dB RBW **RBW Control** [Gaussian,-3 dB] Center 2.402000000 GHz Span 0 Hz Sweep 10.00 ms (1001 pts) Res BW 1.0 MHz VBW 1.0 MHz △ 😼 🙀 🕩 11:41 PM 8/13/2021

Time-domain plot for Bluetooth transmission signal

The duty factor of Bluetooth signal has been calculated as following. Duty Factor = Pulse Width / Total Period = 100%