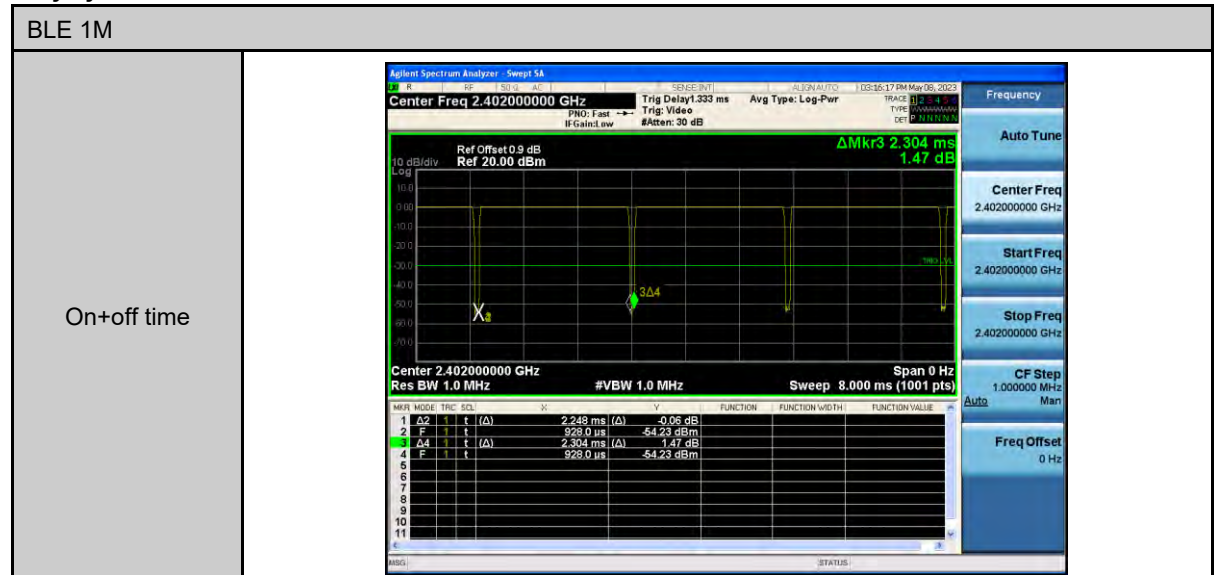
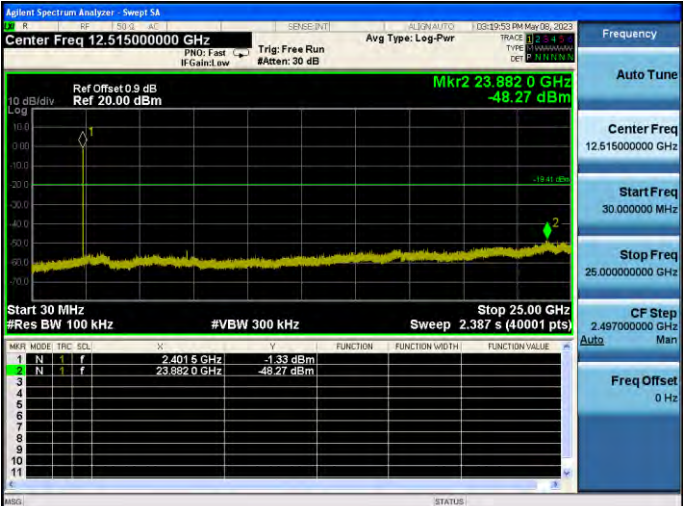
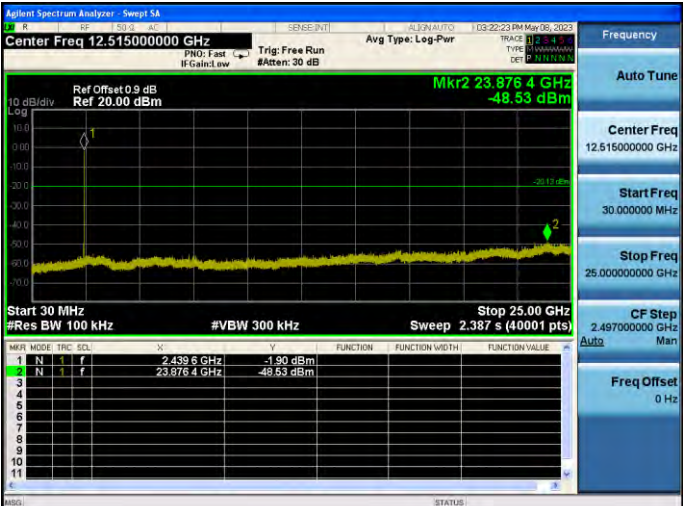
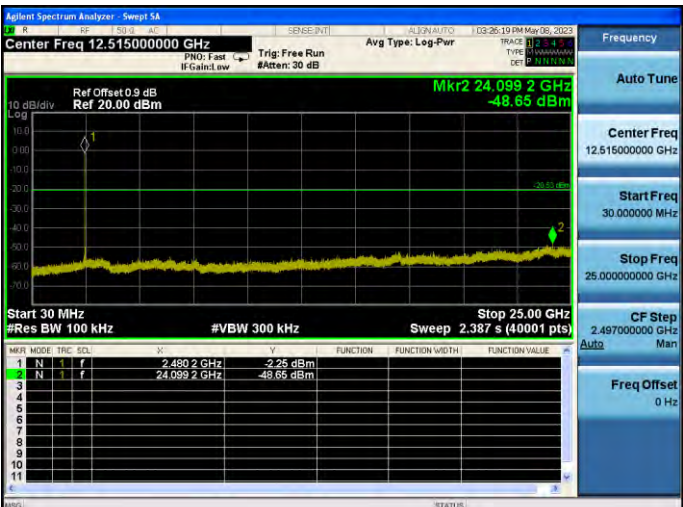


Appendix B. Test Plots

Duty cycle



Out of Band Conducted Spurious Emission

BLE 1M Low ch	
Mid ch	
High ch	

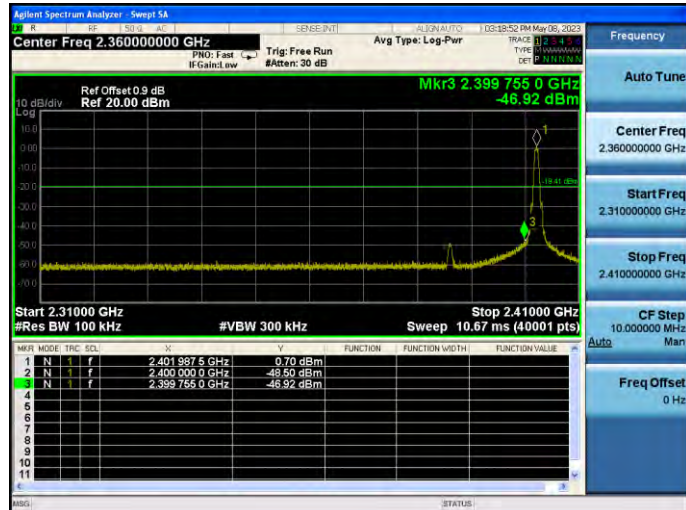
Reference level

BLE 1M Low ch	
Mid ch	
High ch	

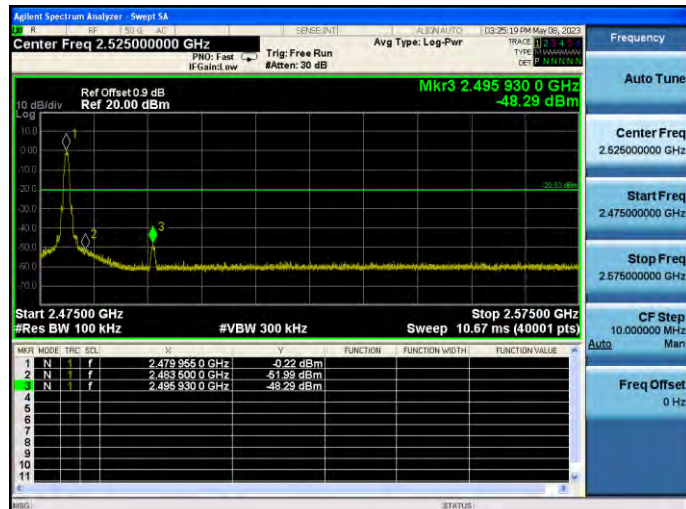
Conducted Band Edge

BLE 1M

Low ch



High ch



6 dB Bandwidth

BLE 1M	
Low ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.402000000 GHz Ref Offset: 0.9 dB, Ref: 20.00 dBm Occupied Bandwidth: 1.0887 MHz Total Power: 7.57 dBm Transmit Freq Error: -17.544 kHz OBW Power: 99.00 % x dB Bandwidth: 689.0 kHz x dB: -6.00 dB
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.440000000 GHz Ref Offset: 0.9 dB, Ref: 20.00 dBm Occupied Bandwidth: 1.0764 MHz Total Power: 6.88 dBm Transmit Freq Error: -18.133 kHz OBW Power: 99.00 % x dB Bandwidth: 682.0 kHz x dB: -6.00 dB
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.480000000 GHz Ref Offset: 0.9 dB, Ref: 20.00 dBm Occupied Bandwidth: 1.0952 MHz Total Power: 6.49 dBm Transmit Freq Error: -17.724 kHz OBW Power: 99.00 % x dB Bandwidth: 693.9 kHz x dB: -6.00 dB

99 % Occupied Bandwidth

BLE 1M	
Low ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Device: BTS Ref Offset: 0.9 dB Ref: 20.00 dBm Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.0605 MHz Total Power 8.62 dBm Transmit Freq Error -14.792 kHz OBW Power 99.00 % x dB Bandwidth 1.260 MHz x dB -26.00 dB Frequency Center Freq 2.402000000 GHz CF Step 300.000 kHz Man Freq Offset 0 Hz
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.440000000 GHz Center Freq: 2.440000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Device: BTS Ref Offset: 0.9 dB Ref: 20.00 dBm Center 2.44 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.0547 MHz Total Power 7.90 dBm Transmit Freq Error -17.290 kHz OBW Power 99.00 % x dB Bandwidth 1.255 MHz x dB -26.00 dB Frequency Center Freq 2.440000000 GHz CF Step 300.000 kHz Man Freq Offset 0 Hz
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.480000000 GHz Center Freq: 2.480000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Device: BTS Ref Offset: 0.9 dB Ref: 20.00 dBm Center 2.48 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.0669 MHz Total Power 7.52 dBm Transmit Freq Error -15.471 kHz OBW Power 99.00 % x dB Bandwidth 1.260 MHz x dB -26.00 dB Frequency Center Freq 2.480000000 GHz CF Step 300.000 kHz Man Freq Offset 0 Hz

Power Density

BLE 1M

Low ch



Mid ch



High ch

