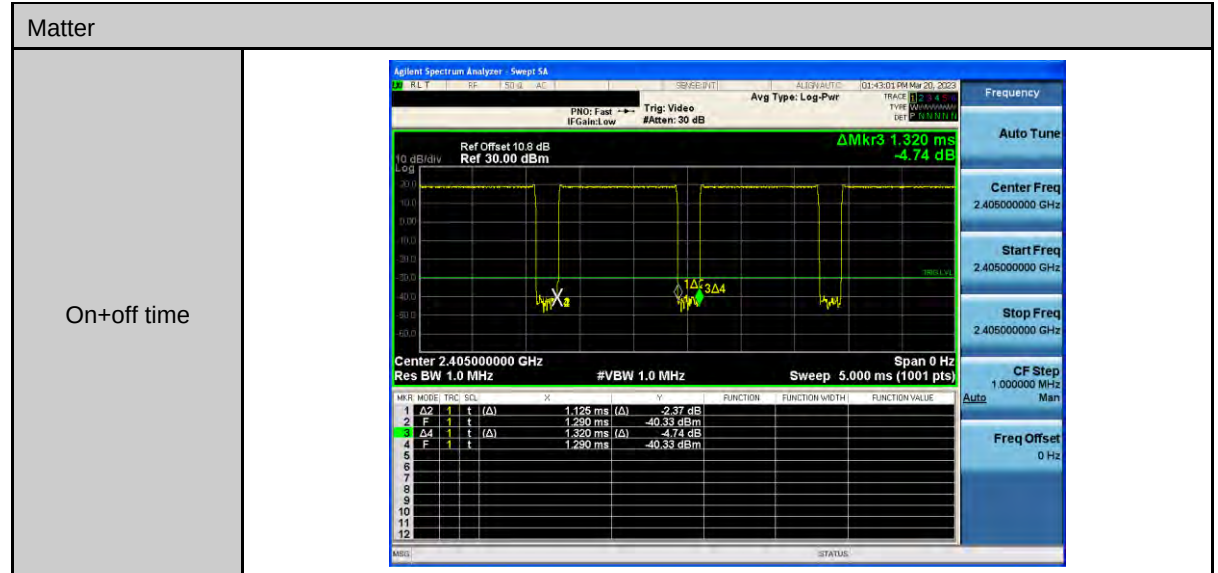


Appendix B. Test Plots

Duty cycle



Out of Band Conducted Spurious Emission

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Low ch	Agilent Spectrum Analyzer - Swept SA RLT SF FSQ AC SAFE:PT1 AUTO:PTC 01:48:17 PM Mar 20, 2023 Center Freq 12.515000000 GHz PRN: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr TRACE 1 2 3 4 5 TYPE: S (SWEEP) DET: P (HOLD) Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.0000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz Auto Man Freq Offset 0 Hz 10 dB/div Log Ref Offset 10.8 dB Ref 30.00 dBm Mkr2 24.917 6 GHz -30.24 dBm 2 Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.39 s (40001 pts) Stop 25.00 GHz <table><tr><th>Mkz</th><th>MODE</th><th>TRC</th><th>COL</th><th>F</th><th>F</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.405 3 GHz</td><td>18.21 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.917 6 GHz</td><td>-30.24 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> MMS: STATUS: <tr><td>Mid ch</td><td> Agilent Spectrum Analyzer - 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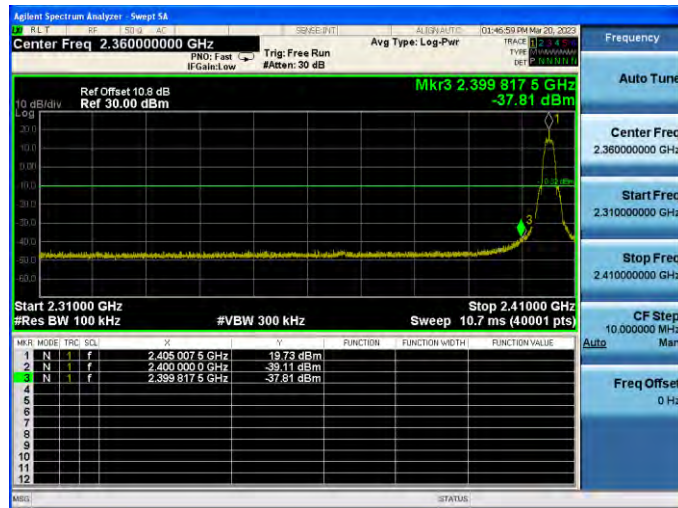
Reference level

Matter	
Low ch	
Mid ch	
High ch	

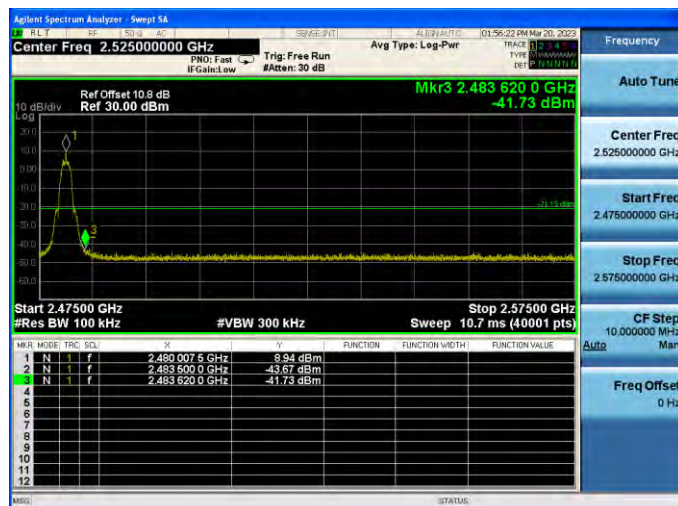
Conducted Band Edge

Matter

Low ch



High ch



6 dB Bandwidth

Matter

Low ch



Mid ch



High ch



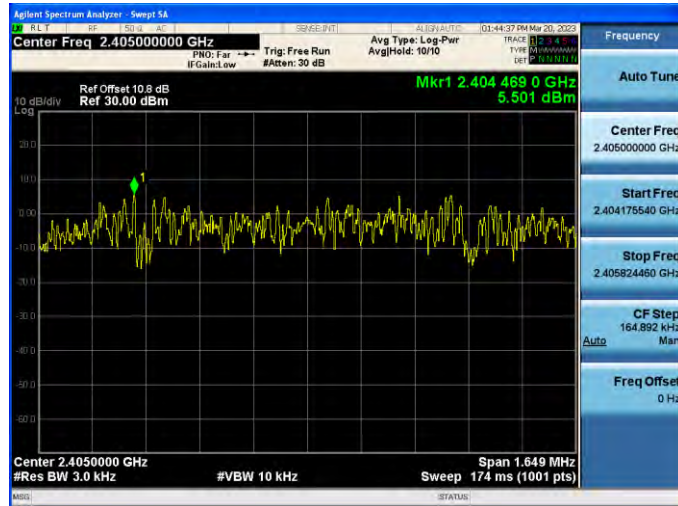
99 % Occupied Bandwidth

Matter	
Low ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.405000000 GHz Ref Offset 10.8 dB Ref 30.00 dBm Center 2.405 GHz #Res BW 30 kHz Span 6 MHz #VBW 100 kHz Sweep 6.333 ms Occupied Bandwidth 2.2006 MHz Total Power 26.7 dBm Transmit Freq Error -15.779 kHz OBW Power 99.00 % x dB Bandwidth 2.514 MHz x dB -26.00 dB
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.440000000 GHz Ref Offset 10.8 dB Ref 30.00 dBm Center 2.44 GHz #Res BW 30 kHz Span 6 MHz #VBW 100 kHz Sweep 6.333 ms Occupied Bandwidth 2.2032 MHz Total Power 26.6 dBm Transmit Freq Error -15.550 kHz OBW Power 99.00 % x dB Bandwidth 2.517 MHz x dB -26.00 dB
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.480000000 GHz Ref Offset 10.8 dB Ref 30.00 dBm Center 2.48 GHz #Res BW 30 kHz Span 6 MHz #VBW 100 kHz Sweep 6.333 ms Occupied Bandwidth 2.2125 MHz Total Power 15.9 dBm Transmit Freq Error -15.605 kHz OBW Power 99.00 % x dB Bandwidth 2.527 MHz x dB -26.00 dB

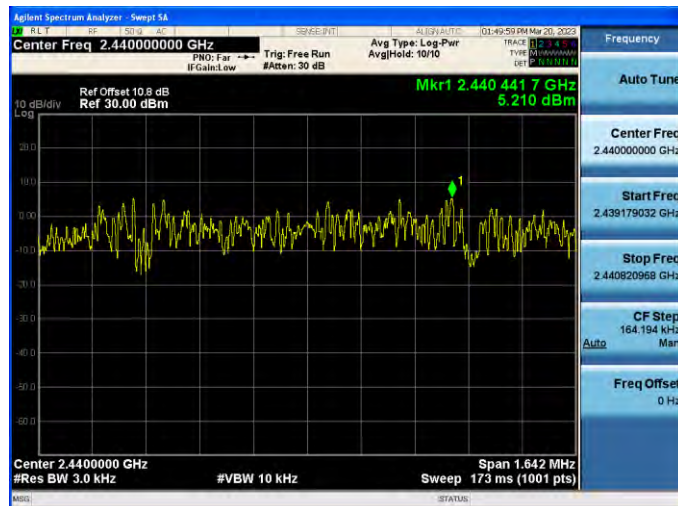
Power Density

Matter

Low ch



Mid ch



High ch

