

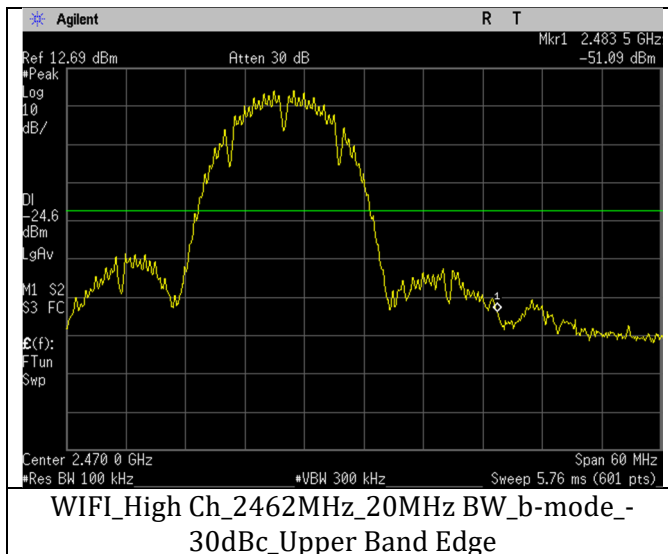
Annex D - Spurious Emissions at Antenna Terminal and 100kHz Band Edges

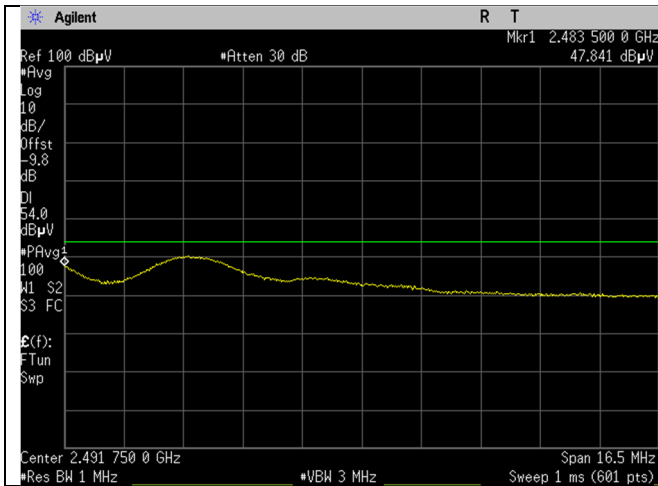
[Naming Convention]

Radio (WIFI, BLE)_Channel (Low, Mid, High)_Frequency (MHz)_Bandwidth (MHz)_Modulation_(b-mode, g-mode, n-mode)_Measurement (15.209, -30dBc)_Frequency Range (MHz, GHz, Lower Band Edge, Upper Band Edge)_Type (Peak, avg)

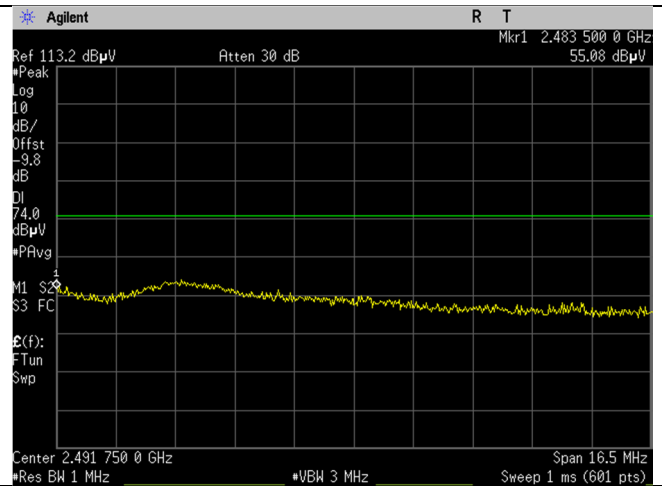
Note for 15.209 measurements: below measurements are in units of dBuV/m at 3meters. These measurements are performed conducted in lieu of radiated as permitted by ANSI C63.10-2013. The following formula was used in making such conversions:

Above 1GHz: $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{m}]) + 104.77$, where E is field strength and d is distance at which the field strength limit is specified in the applicable requirements. $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d = 3 \text{ m}$. Straight conversion between $E[\text{dB}\mu\text{V}/\text{m}]$ and $\text{EIRP}[\text{dBm}] = 107$. Thus offset for dBuV/m at 3meters is $95.2 - 107 + \text{antenna gain}$.

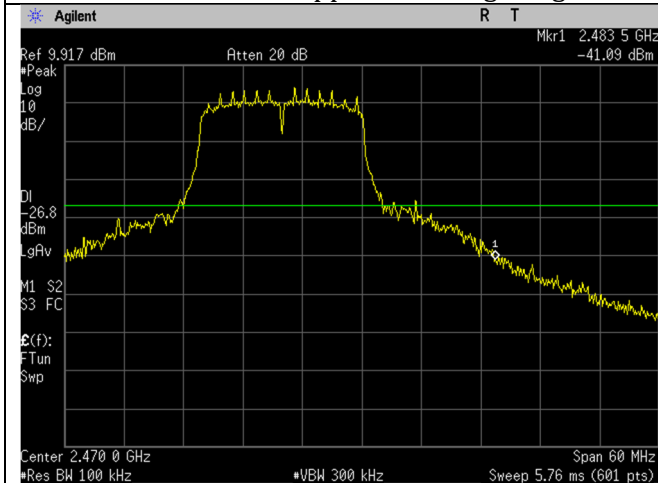




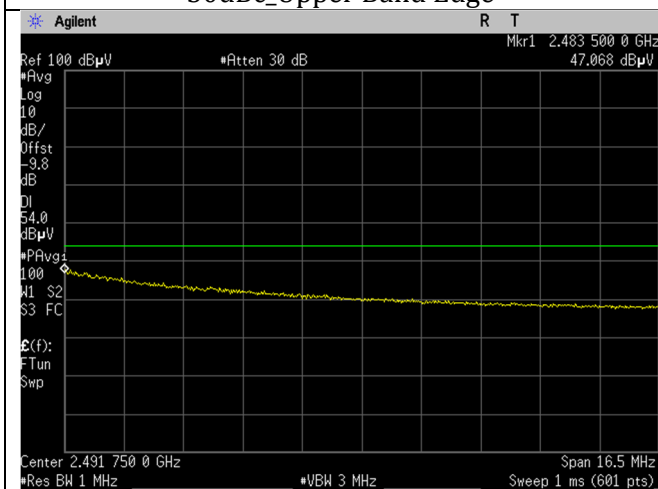
WIFI_High Ch_2462MHz_20MHz BW_b-
mode_15.209_Upper Band Edge Avg



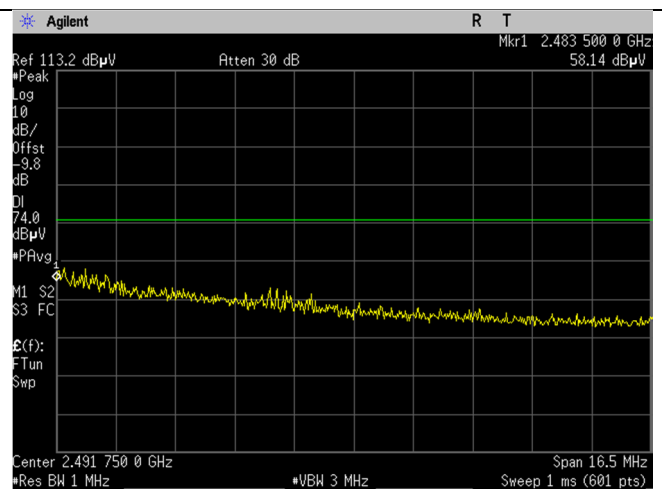
WIFI_High Ch_2462MHz_20MHz BW_b-
mode_15.209_Upper Band Edge Peak



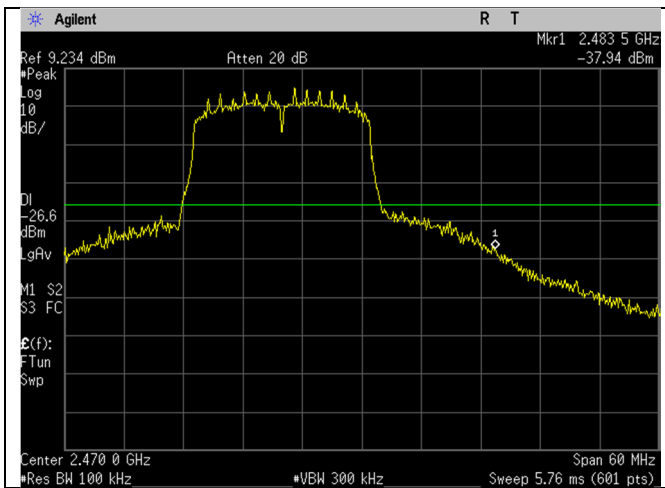
WIFI_High Ch_2462MHz_20MHz BW_g-mode_-
30dBc_Upper Band Edge



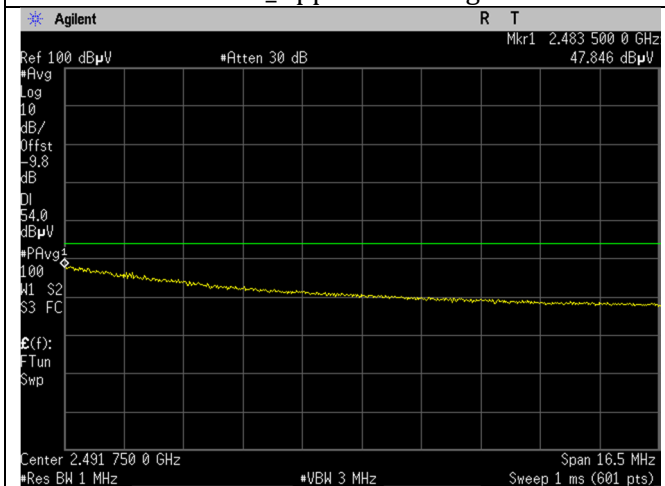
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mode_15.209_Upper Band Edge Avg



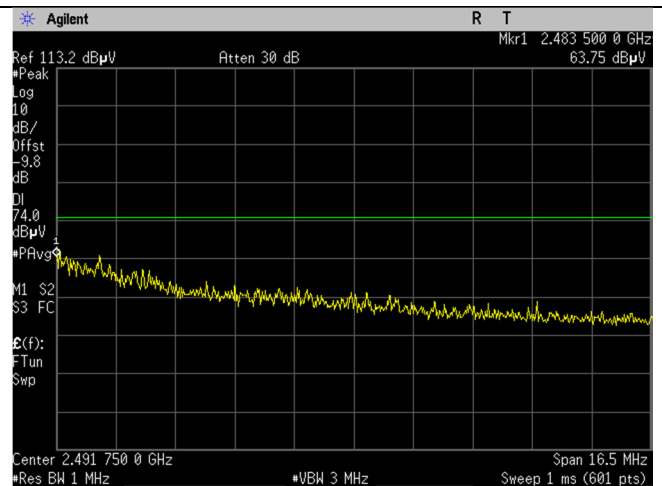
WIFI_High Ch_2462MHz_20MHz BW_g-
mode_15.209_Upper Band Edge Peak



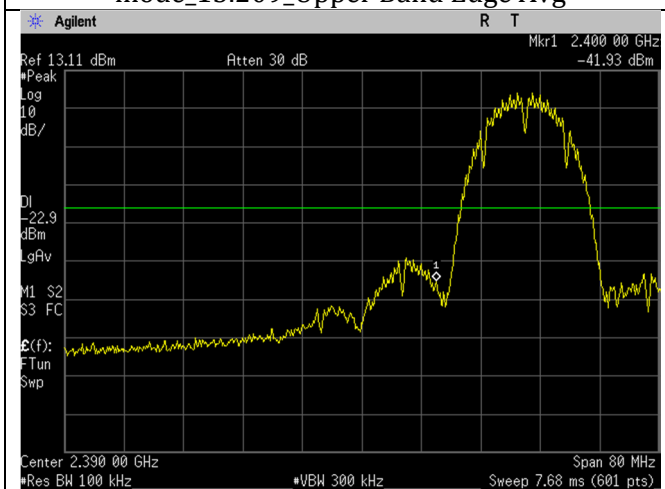
WIFI_High Ch_2462MHz_20MHz BW_n-mode_-30dBc_Upper Band Edge



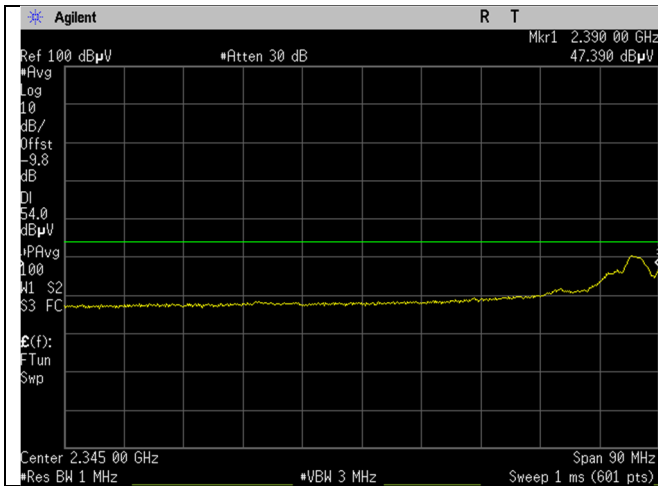
WIFI_High Ch_2462MHz_20MHz BW_n-mode_15.209_Upper Band Edge Avg



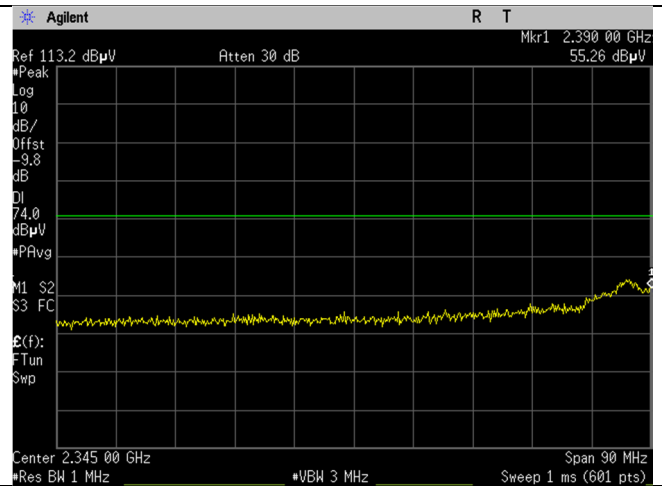
WIFI_High Ch_2462MHz_20MHz BW_n-mode_15.209_Upper Band Edge Peak



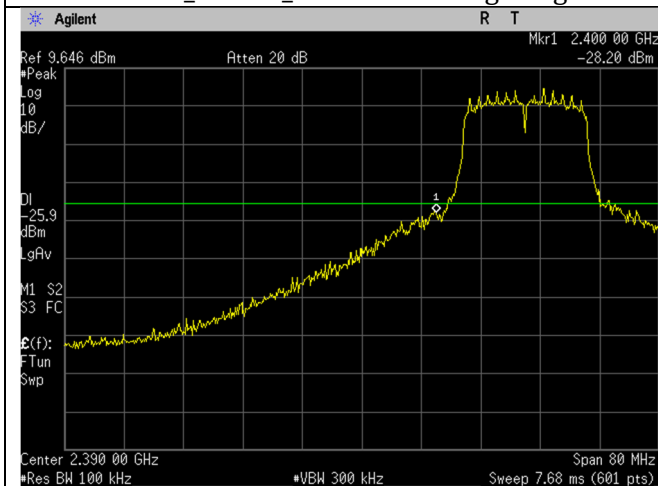
WIFI_Low Ch_2412MHz_20MHz BW_b-mode_-30dBc_Lower Band Edge



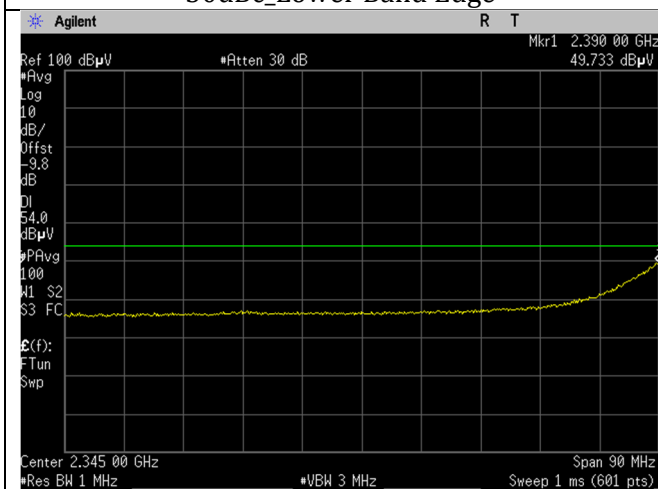
WIFI_Low Ch_2412MHz_20MHz BW_b-mode_15.209_Lower Band Edge Avg



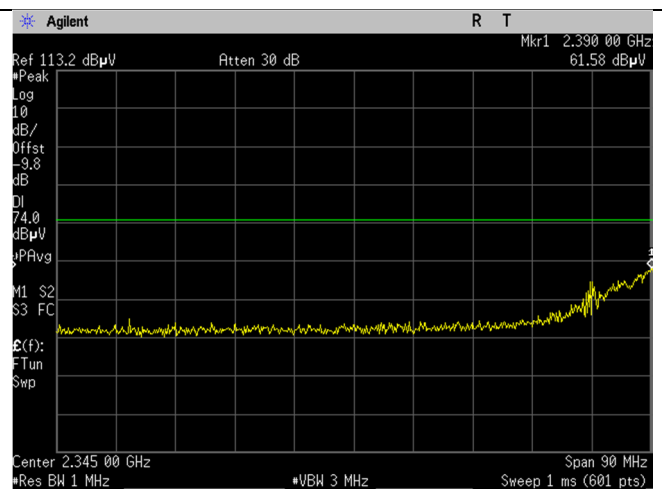
WIFI_Low Ch_2412MHz_20MHz BW_b-mode_15.209_Lower Band Edge Peak



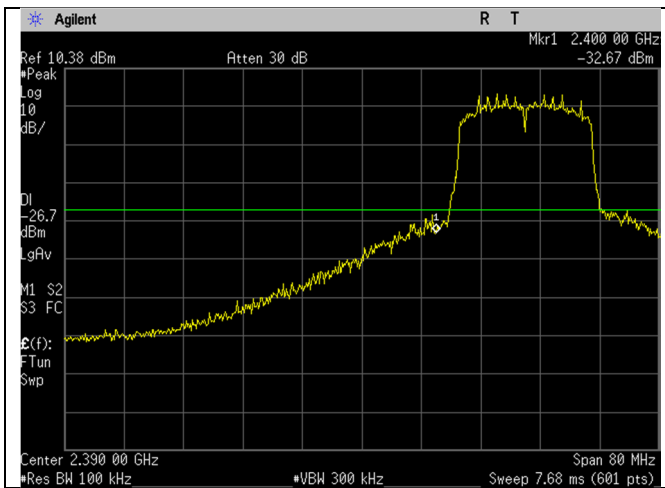
WIFI_Low Ch_2412MHz_20MHz BW_g-mode_-30dBc_Lower Band Edge



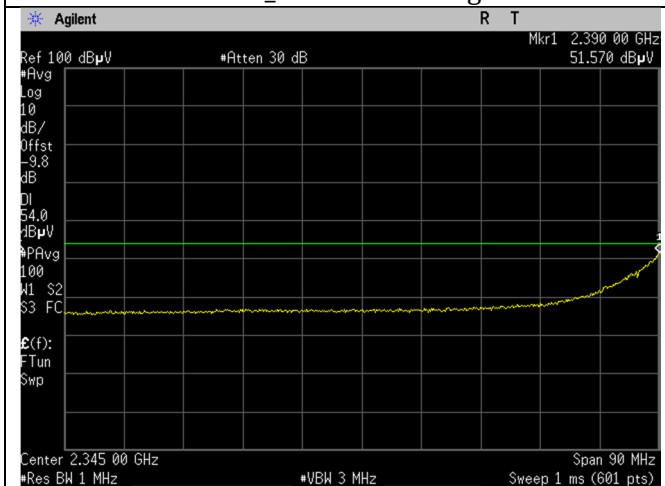
WIFI_Low Ch_2412MHz_20MHz BW_g-mode_15.209_Lower Band Edge Avg



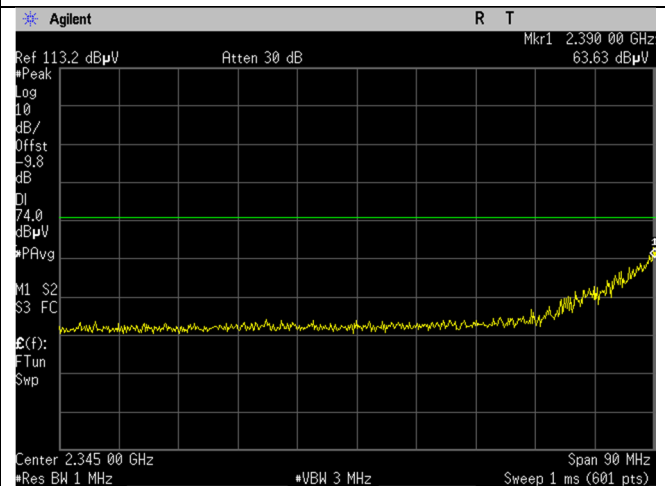
WIFI_Low Ch_2412MHz_20MHz BW_g-mode_15.209_Lower Band Edge Peak



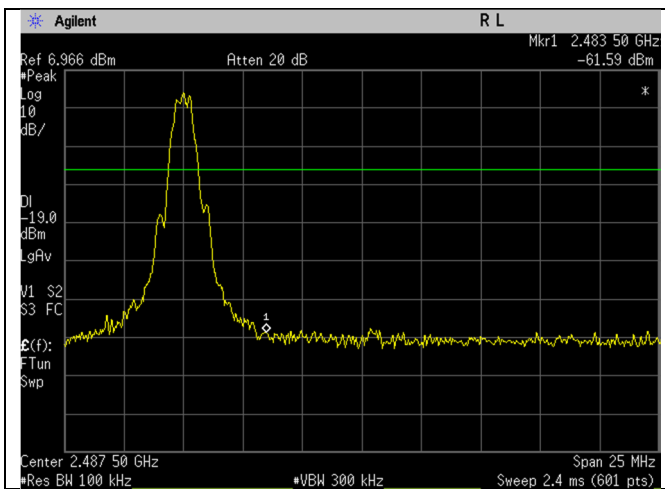
WIFI_Low Ch_2412MHz_20MHz BW_n-mode_-
30dBc_Lower Band Edge



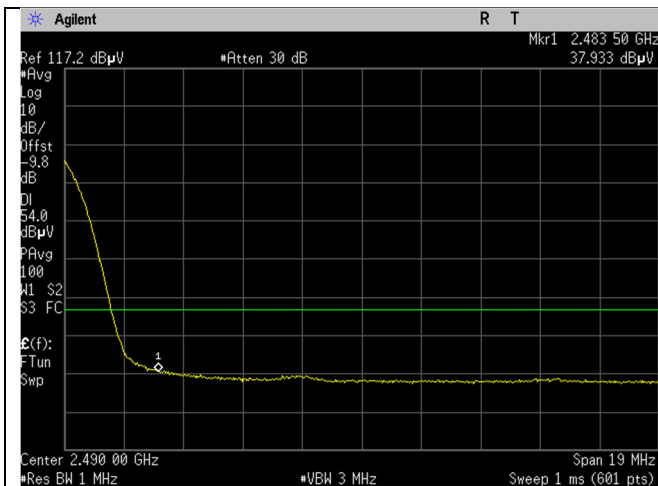
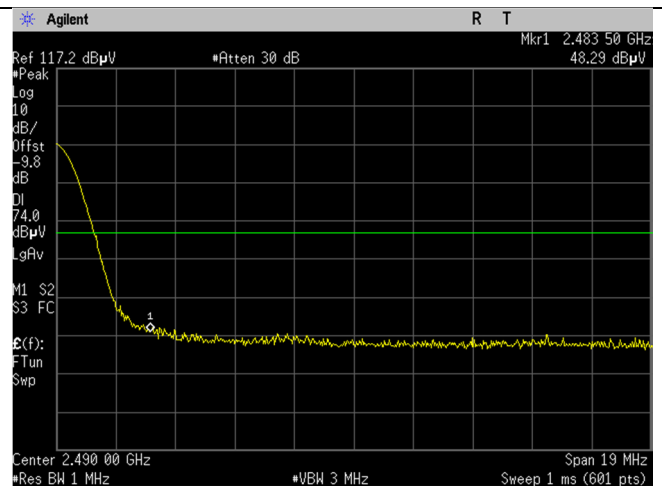
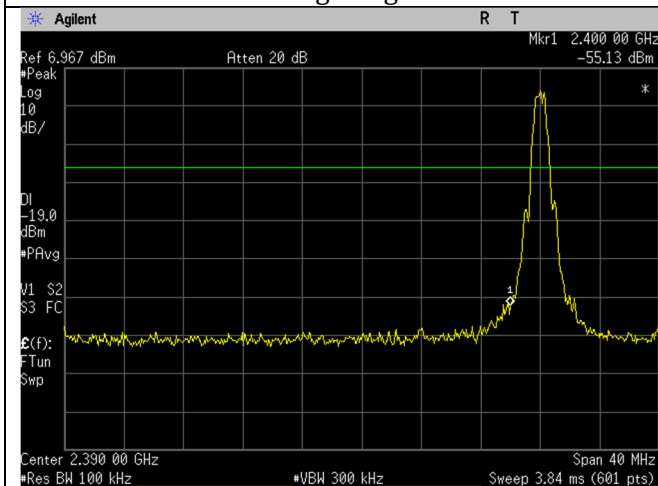
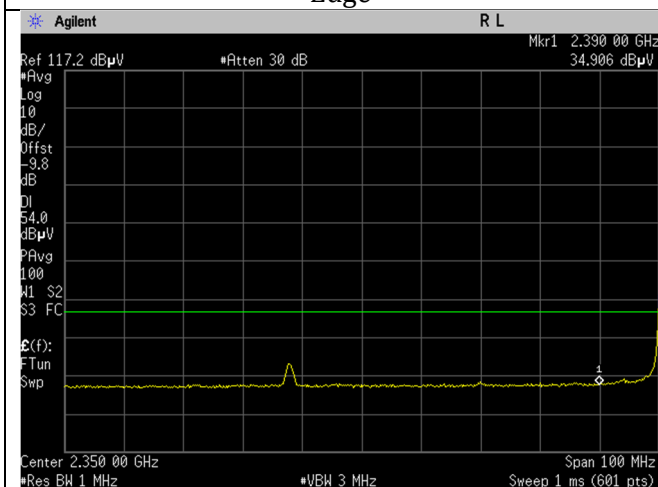
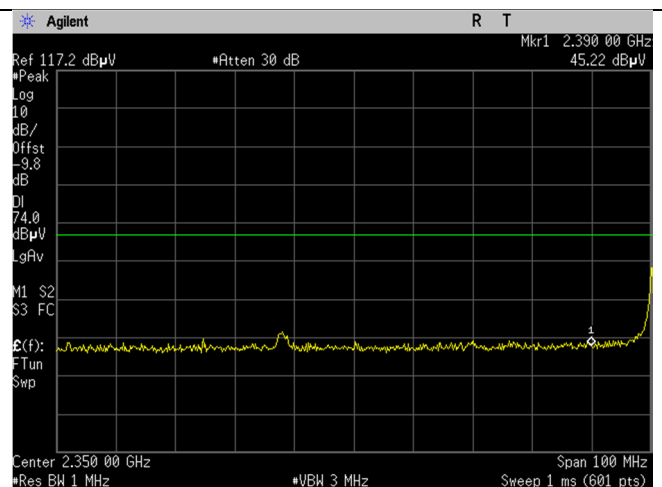
WIFI_Low Ch_2412MHz_20MHz BW_n-
mode_15.209_Lower Band Edge Avg



WIFI_Low Ch_2412MHz_20MHz BW_n-
mode_15.209_Lower Band Edge Peak



BLE_High Ch_2480MHz_1MBit_-20dBc_Upper Band
Edge

BLE_High Ch_2480MHz_1MBit_15.209_Upper Band
Edge AvgBLE_High Ch_2480MHz_1MBit_15.209_Upper Band
Edge PeakBLE_Low Ch_2402MHz_1MBit_-20dBc_Lower Band
EdgeBLE_Low Ch_2402MHz_1MBit_15.209_Lower Band
Edge AvgBLE_Low Ch_2402MHz_1MBit_15.209_Lower Band
Edge Peak