

Annex E - 15.209 Band Edges

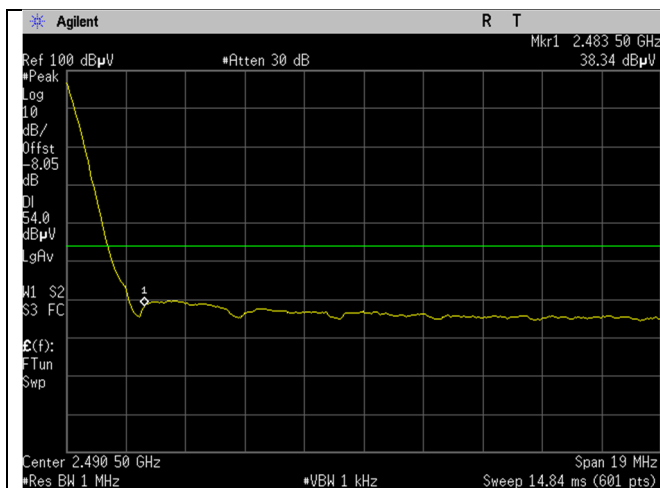
Naming Convention:

Radio Type (BLE, Wi-Fi)_Frequency (MHz)_Wi-Fi Bandwidth (MHz)_Configuration (b/g/n-mode, 1/2 MBit)_ Measurement (Avg, Peak)_Antenna(Ant A, Ant B, Ant BLE)

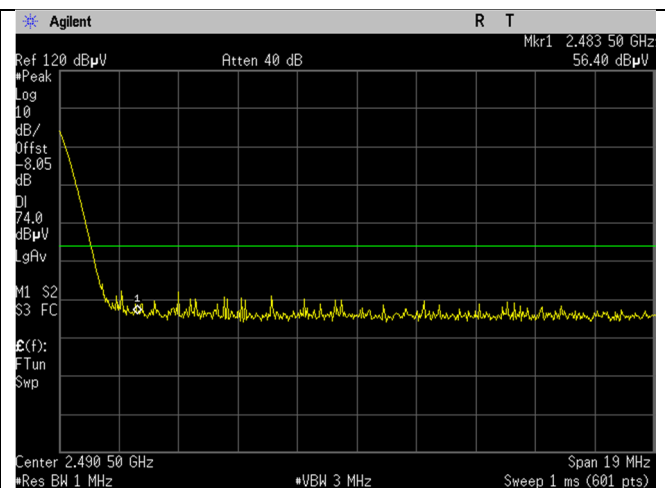
Note: below measurements are in units of dBuV/m at 3meters. These measurements are performed conducted in lieu of radiated as permitted by ANSI C63.10-2013. The following formula was used in making such conversions:

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 $95.2 - 107 + \text{antenna gain}$.

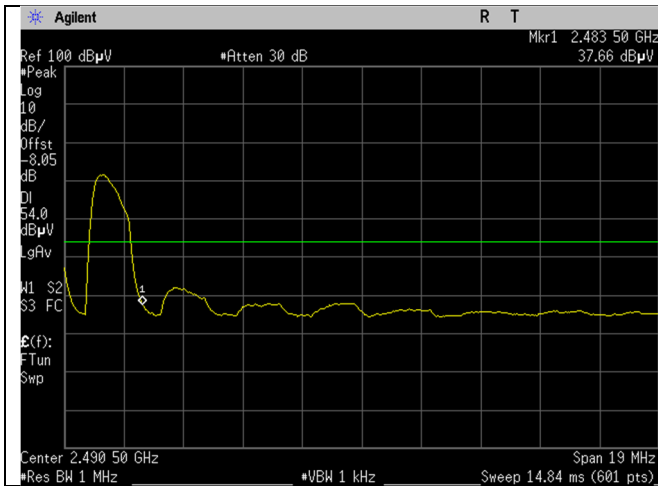
Below 1GHz: above is true in addition to adding ground plane contribution of 4.7dB. thus offset for dBuV/m at 3meters is $95.2 - 107 + 4.7 + \text{antenna gain}$.



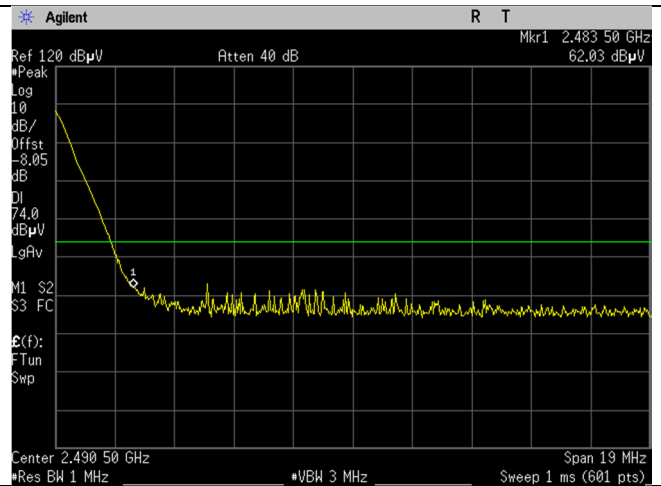
BLE_2480MHz_1MBit_Avg_Ant BLE



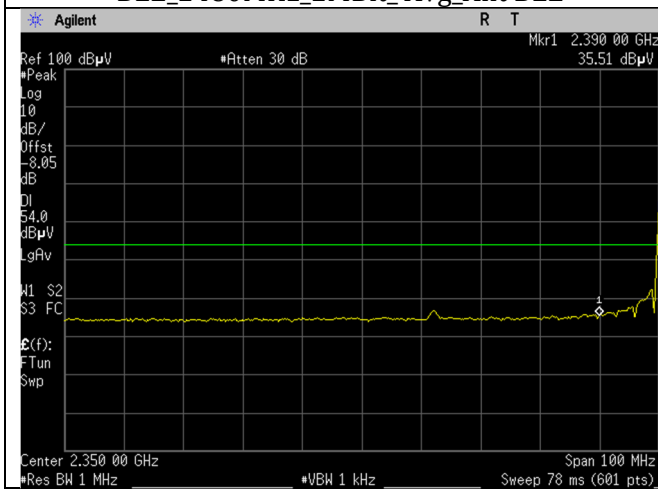
BLE_2480MHz_1MBit_Peak_Ant BLE



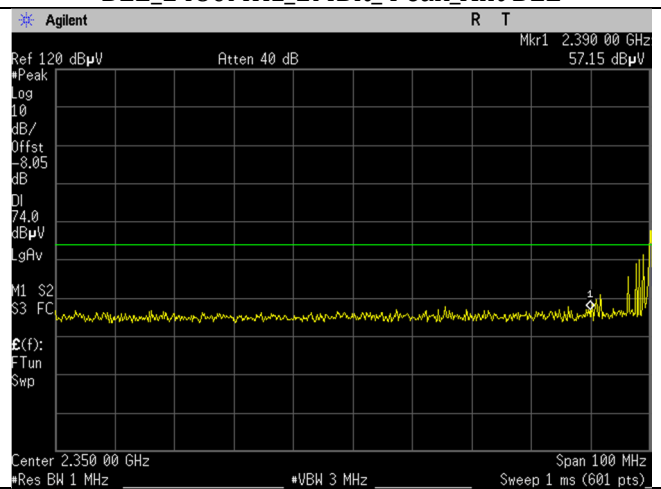
BLE_2480MHz_2MBit_Avg_Ant BLE



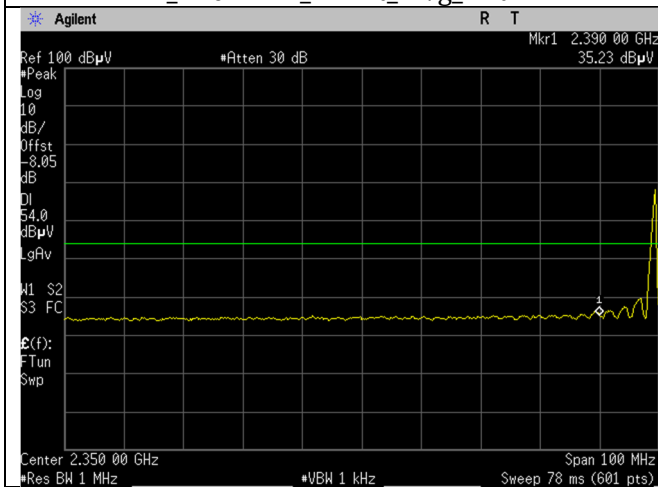
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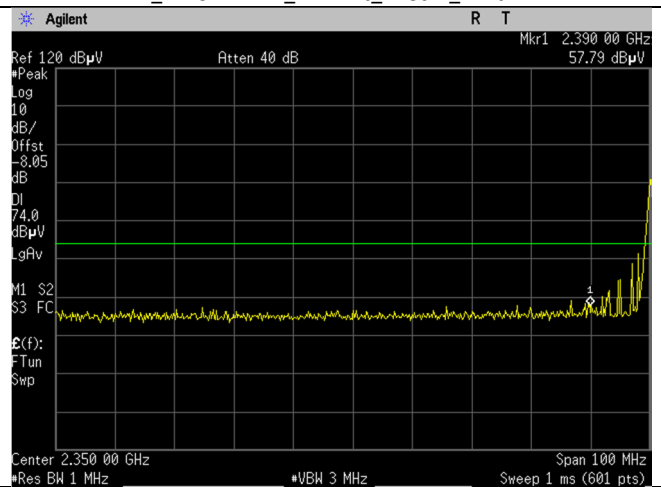
BLE_2402MHz_1MBit_Avg_Ant BLE



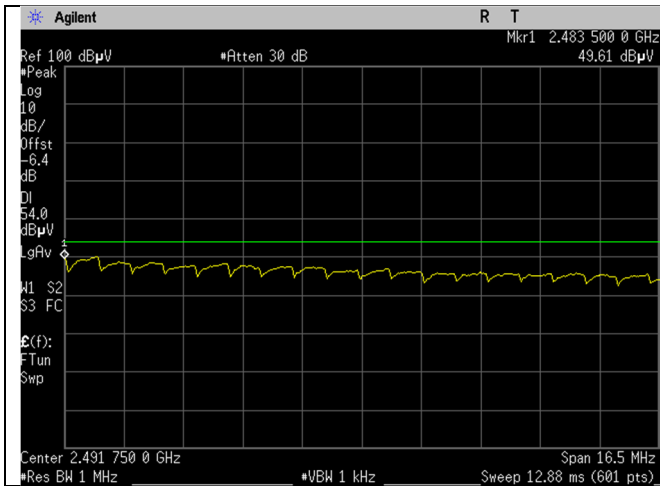
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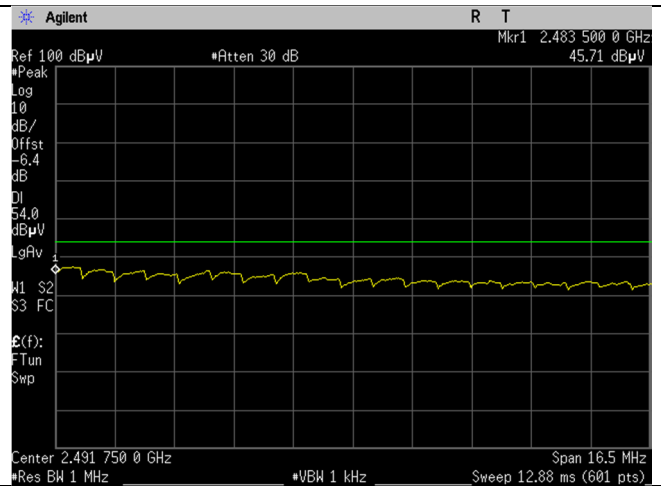
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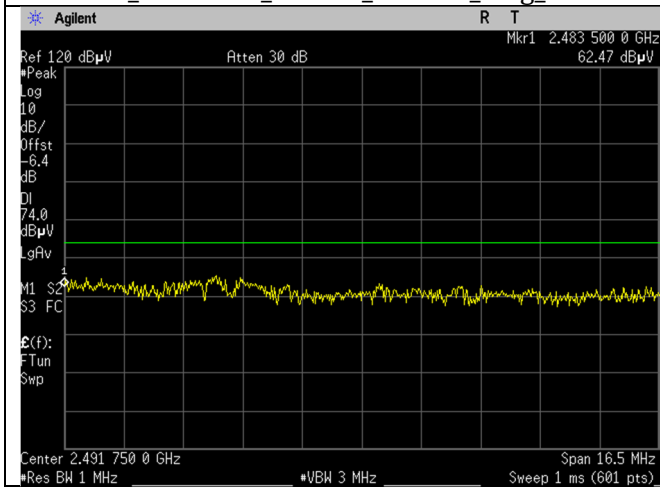
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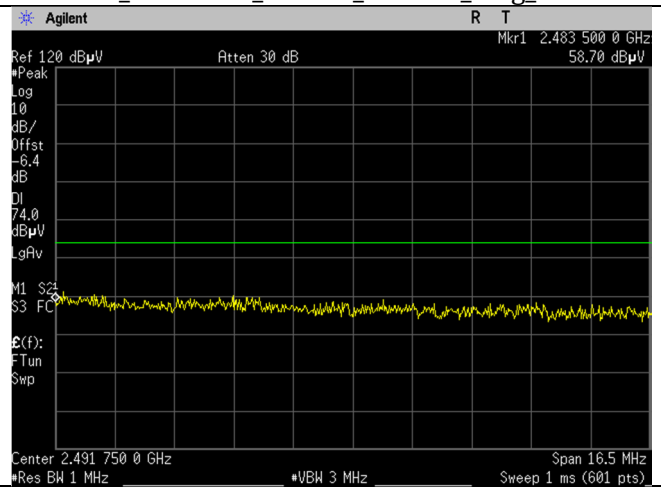
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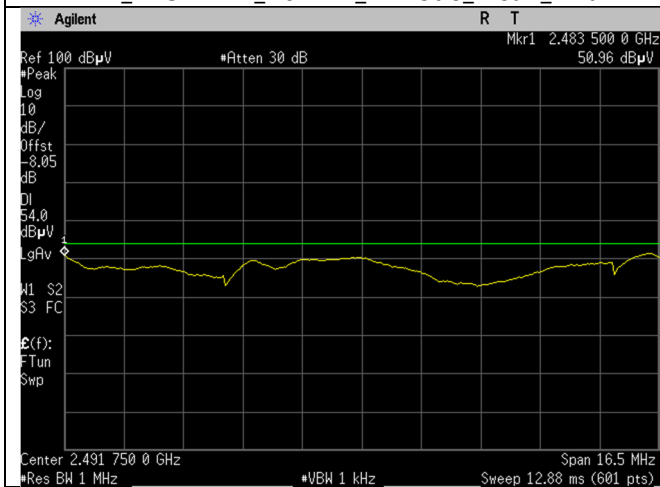
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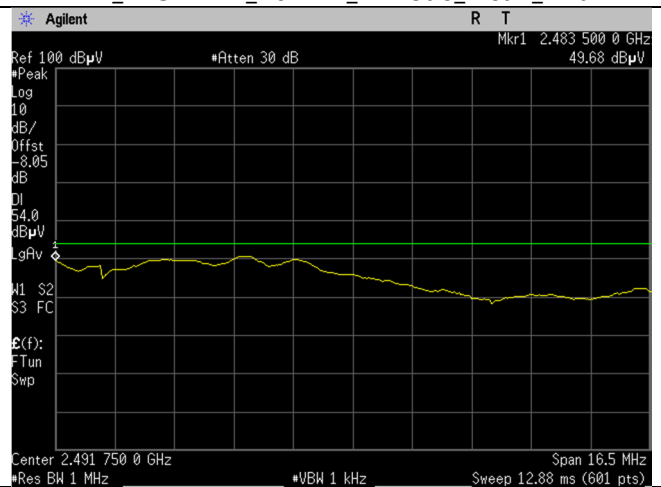
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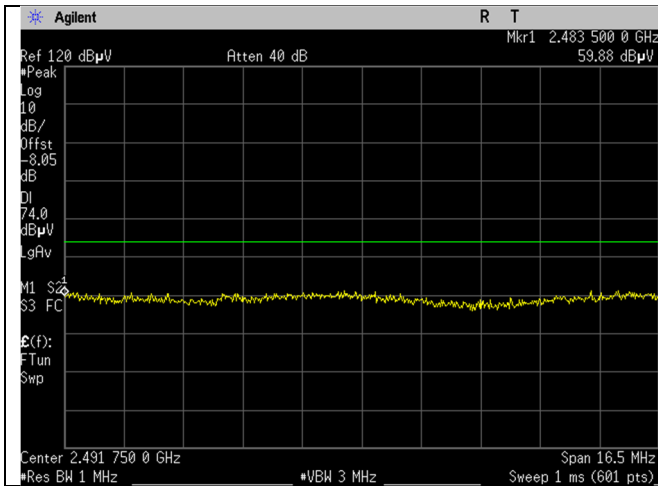
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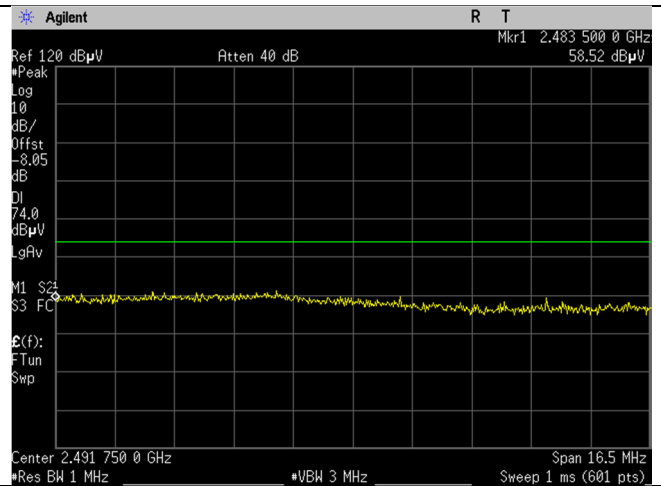
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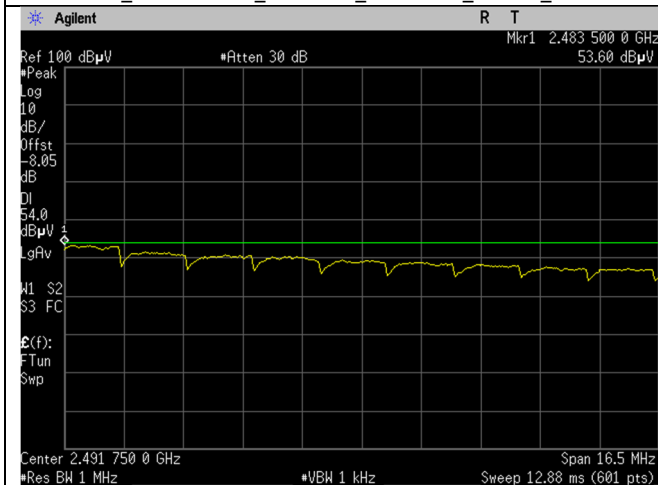
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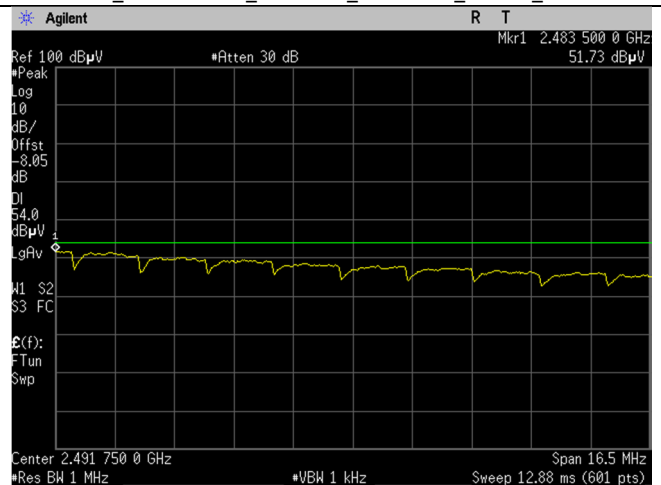
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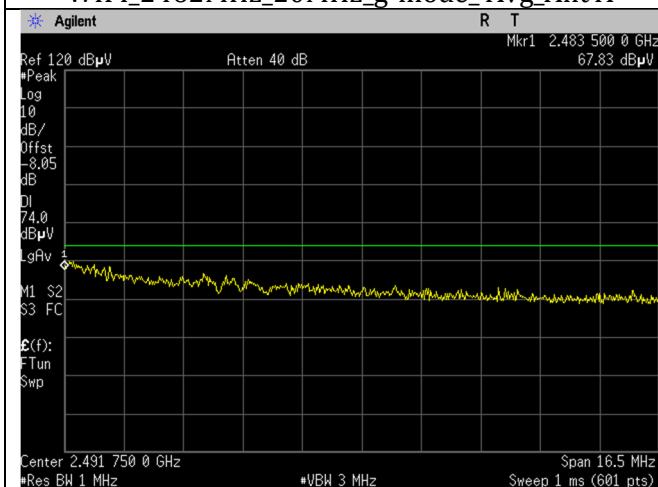
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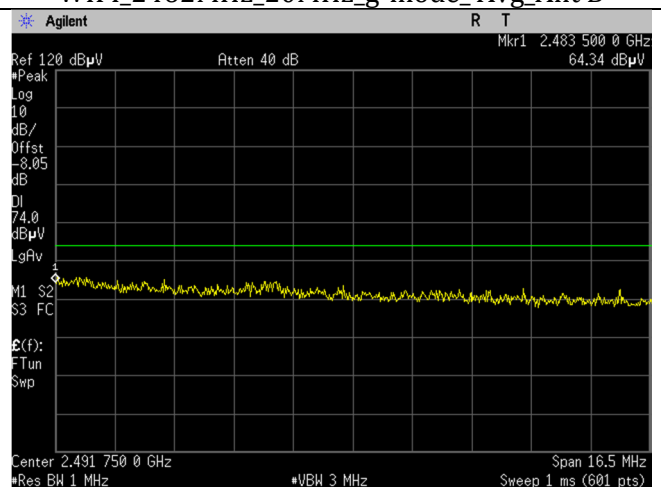
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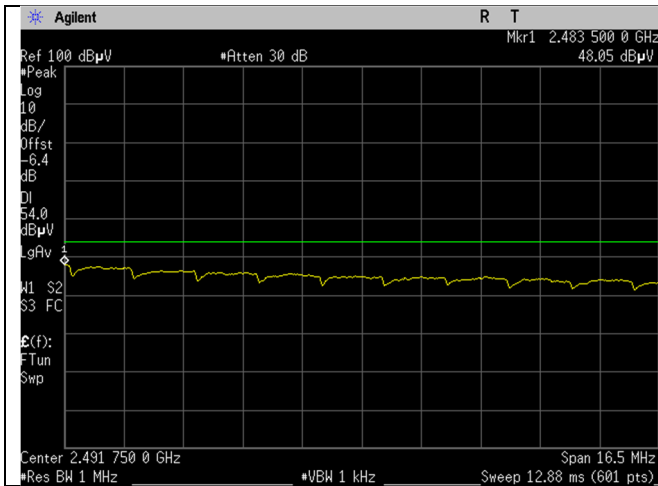
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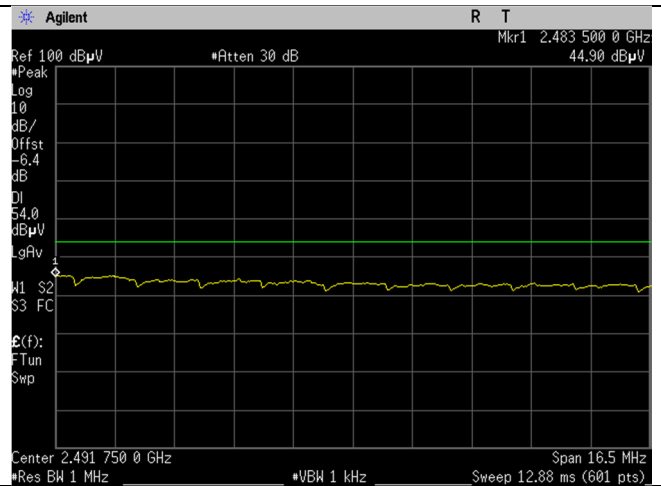
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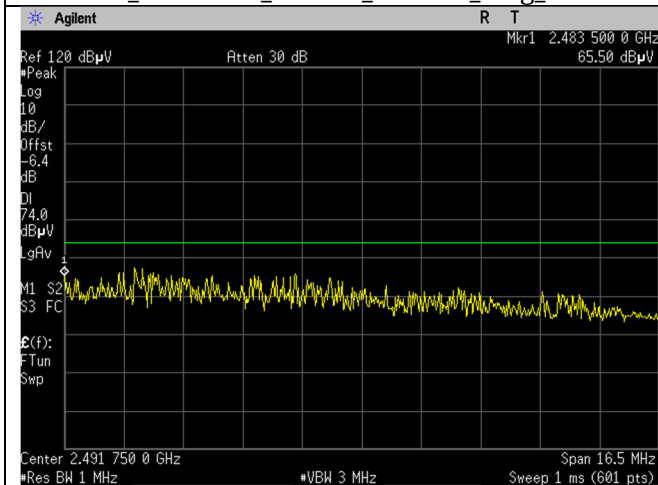
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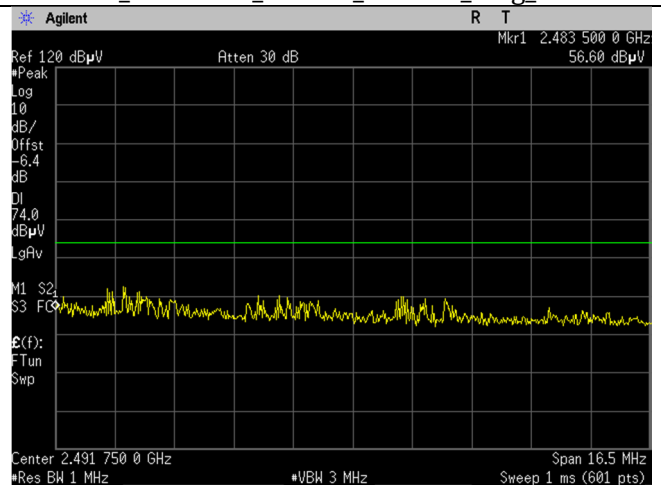
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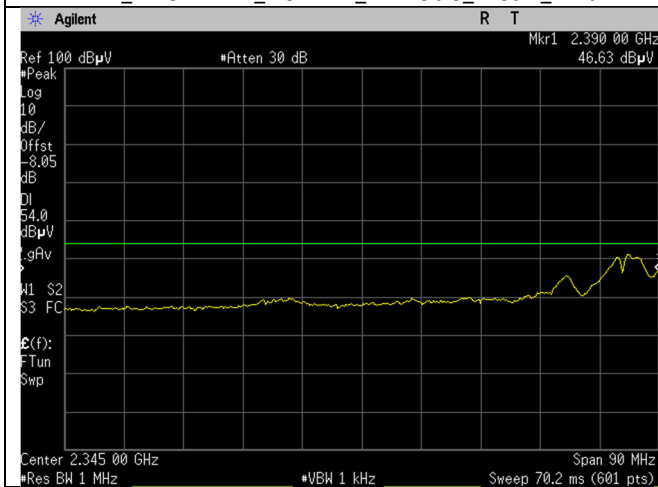
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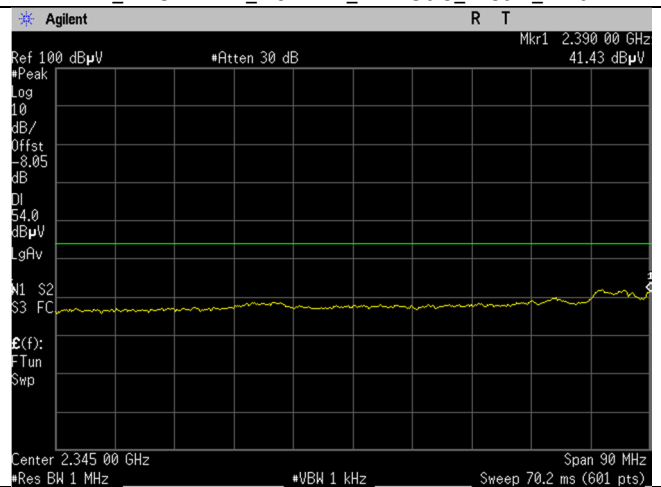
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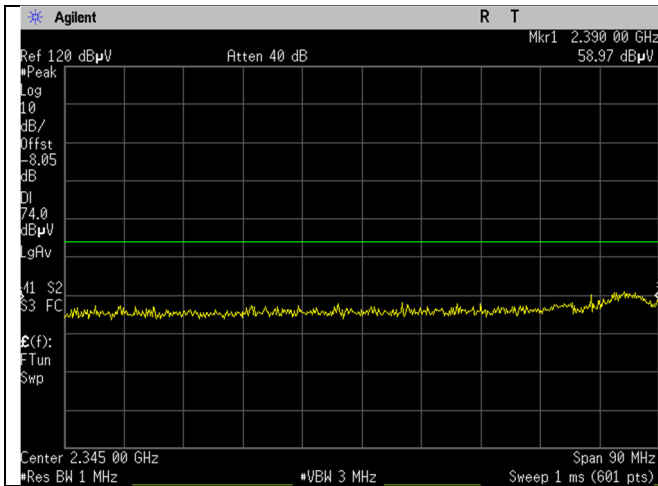
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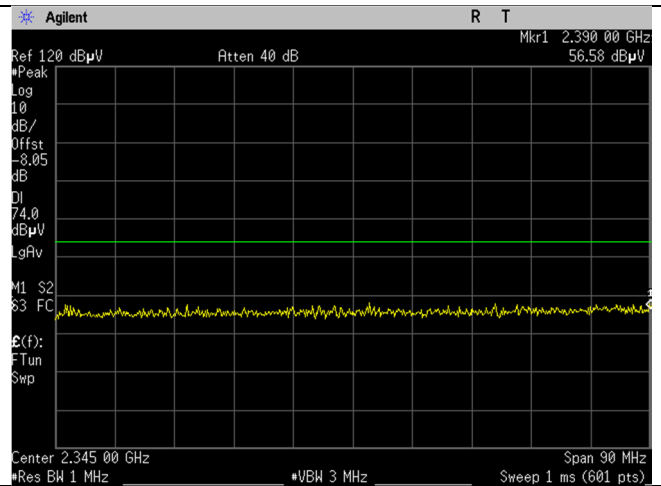
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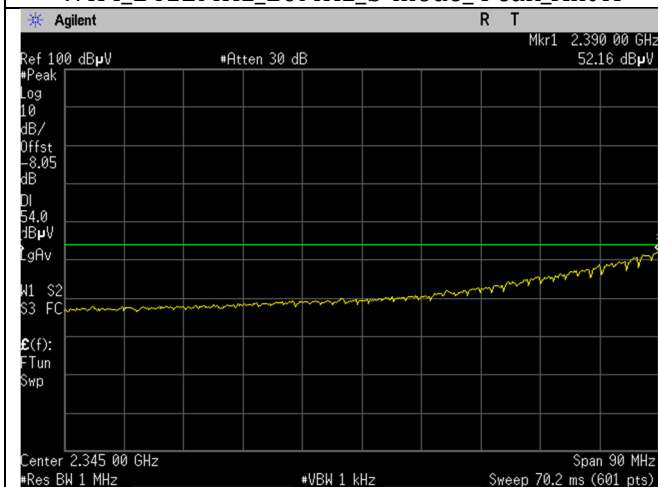
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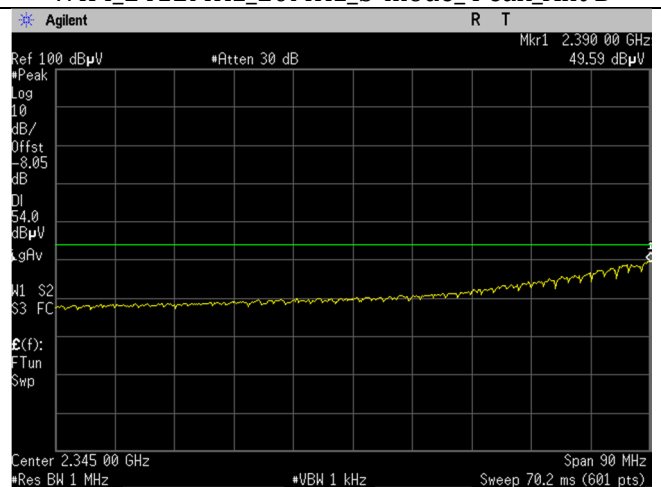
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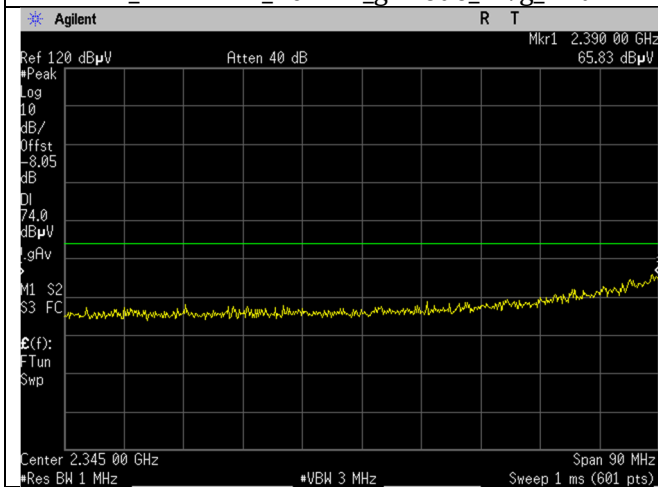
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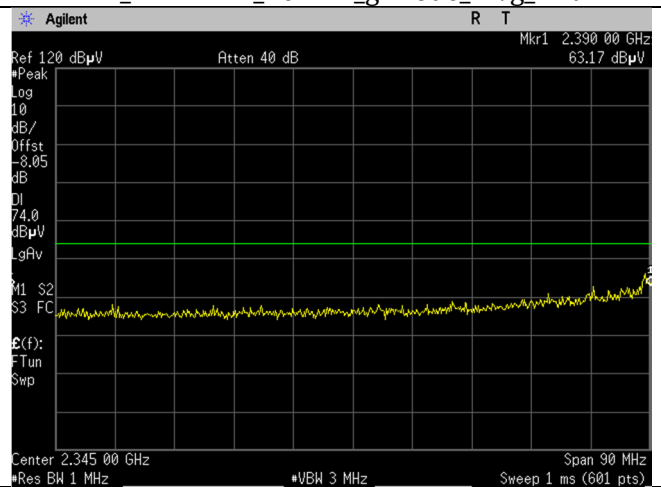
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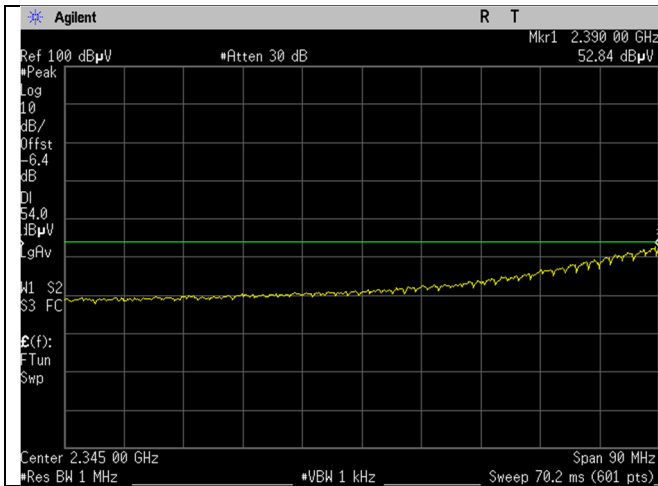
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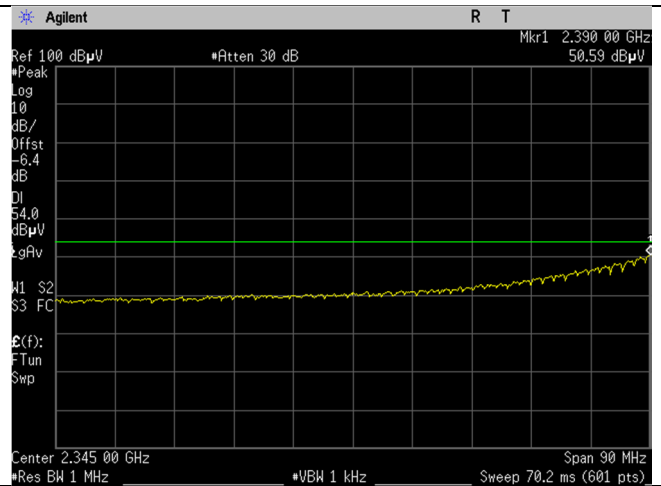
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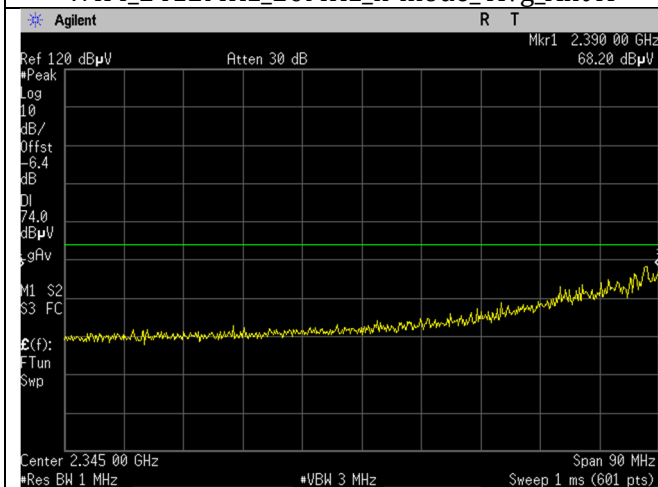
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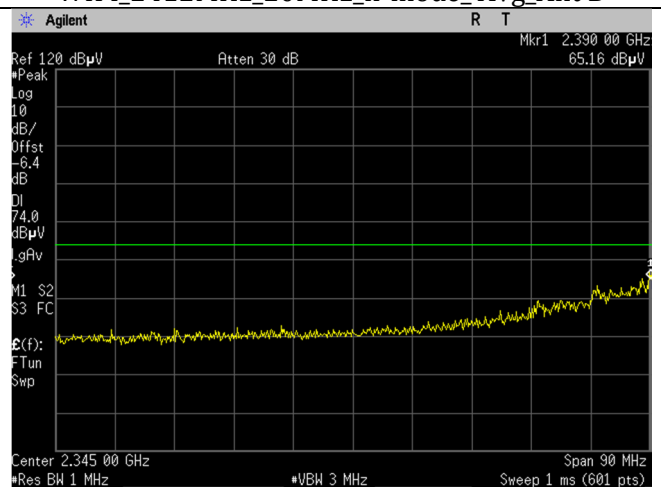
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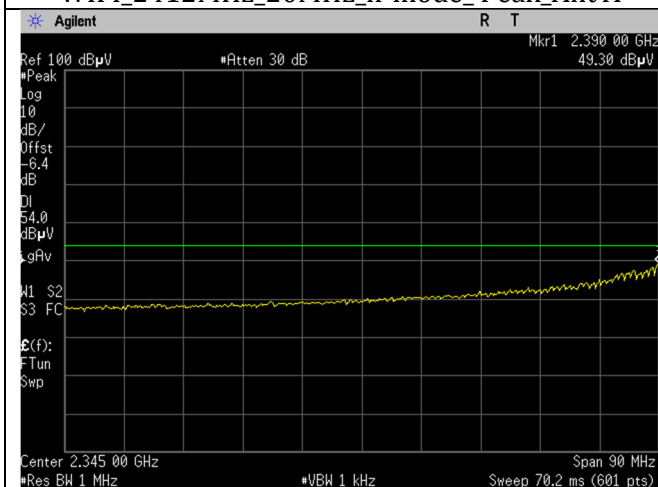
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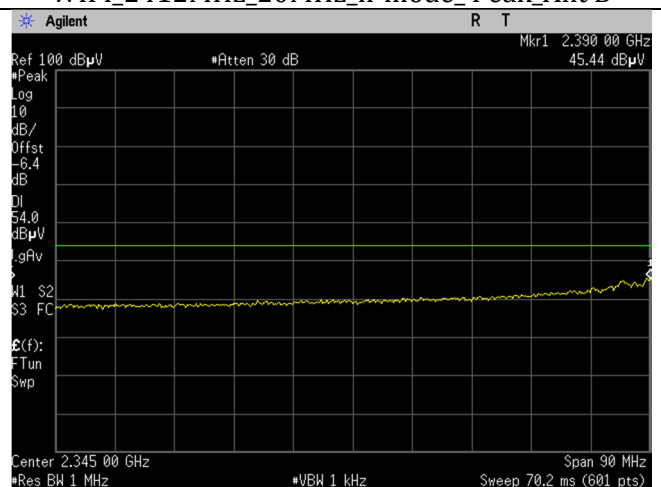
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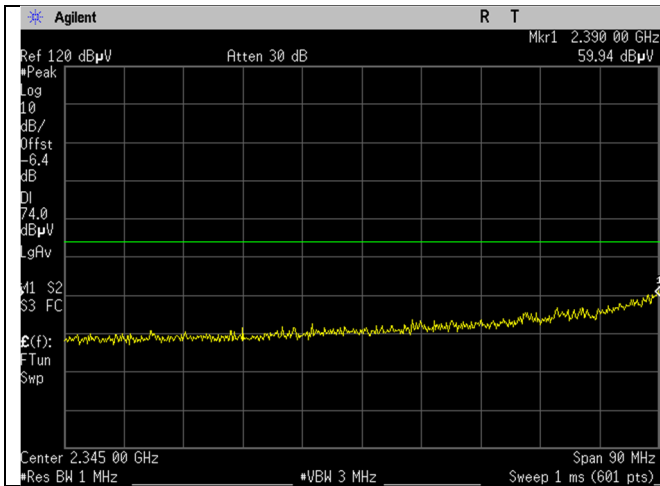
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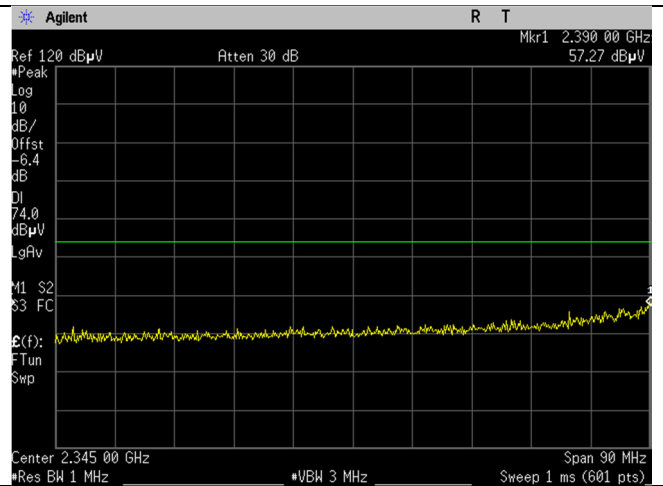
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WIFI_2422MHz_40MHz_n-mode_Avg_Ant B



WIFI_2422MHz_40MHz_n-mode_Peak_Ant A



WIFI_2422MHz_40MHz_n-mode_Peak_Ant B