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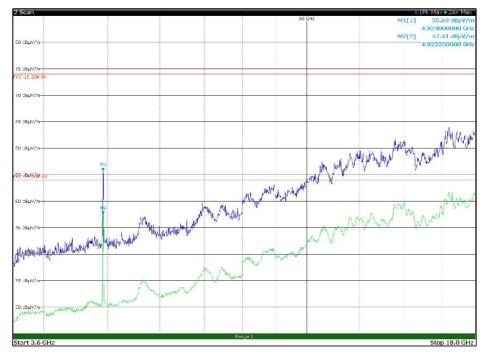


Figure 8.5-59: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11b with antenna in horizontal polarization

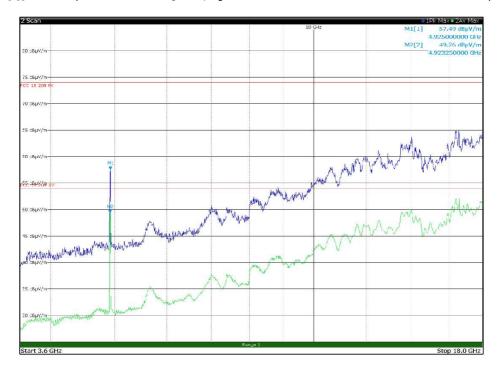


Figure 8.5-60: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11b with antenna in vertical polarization

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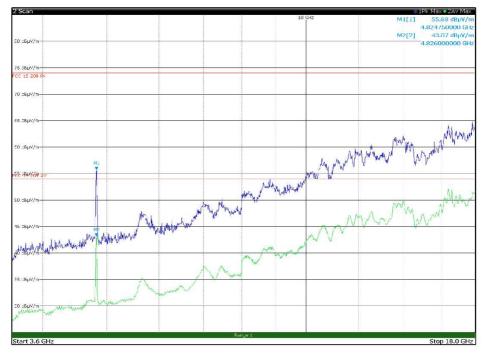


Figure 8.5-61: Radiated spurious emissions 1 to 3.6 GHz, Low channel WIFi modulation 802.11g with antenna in horizontal polarization

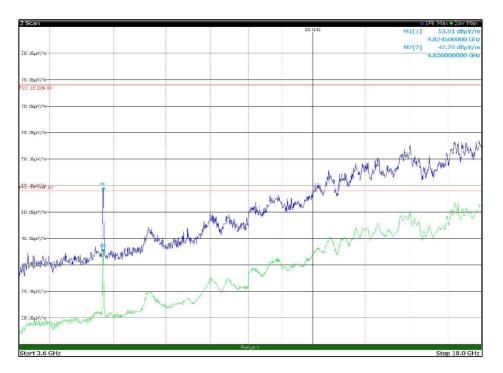


Figure 8.5-62: Radiated spurious emissions 1 to 3.6 GHz, Low channel WIFi modulation 802.11g with antenna in vertical polarization

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MAN

Stop 18.0 GHz

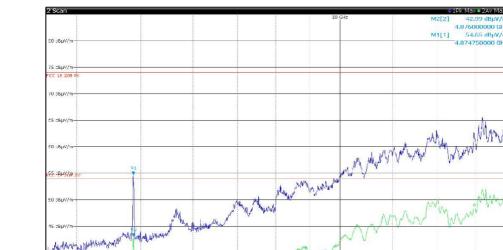


Figure 8.5-63: Radiated spurious emissions 1 to 3.6 GHz, Mid channel WIFi modulation 802.11g with antenna in horizontal polarization

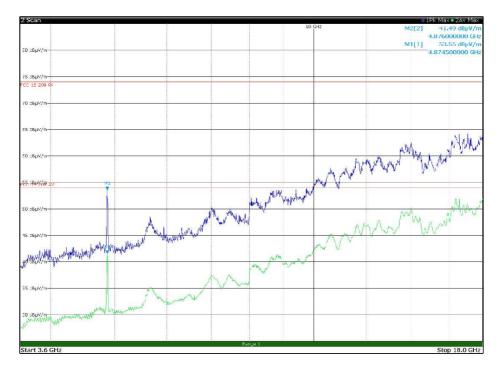


Figure 8.5-64: Radiated spurious emissions 1 to 3.6 GHz, Mid channel WIFi modulation 802.11g with antenna in vertical polarization

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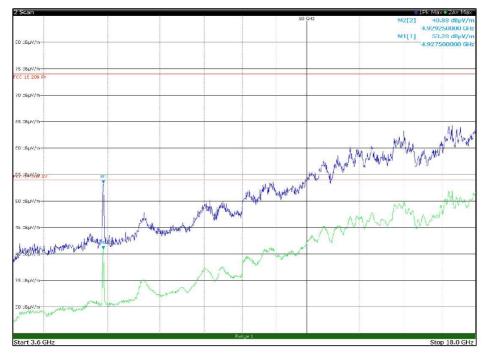


Figure 8.5-65: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11g with antenna in horizontal polarization

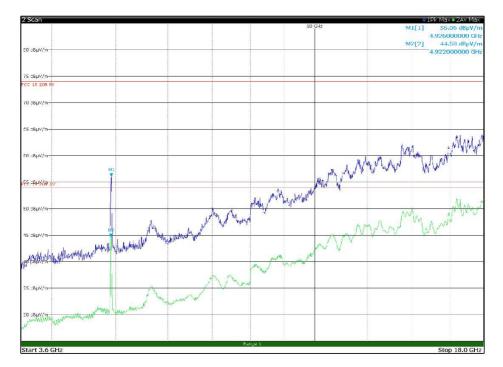


Figure 8.5-66: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11g with antenna in vertical polarization





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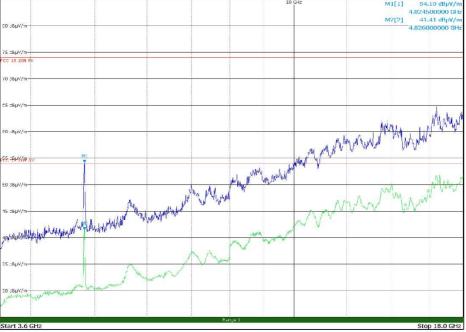


Figure 8.5-67: Radiated spurious emissions 1 to 3.6 GHz, Low channel WIFi modulation 802.11n(HT20) with antenna in horizontal polarization

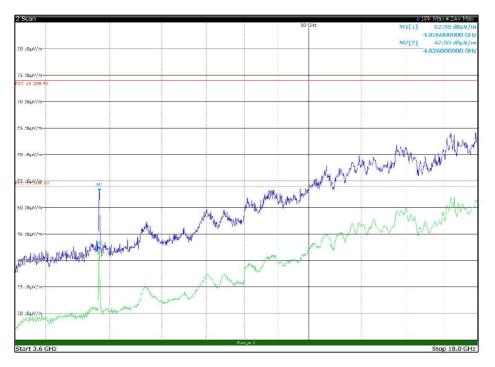


Figure 8.5-68: Radiated spurious emissions 1 to 3.6 GHz, Low channel WIFi modulation 802.11 n(HT20) with antenna in vertical polarization

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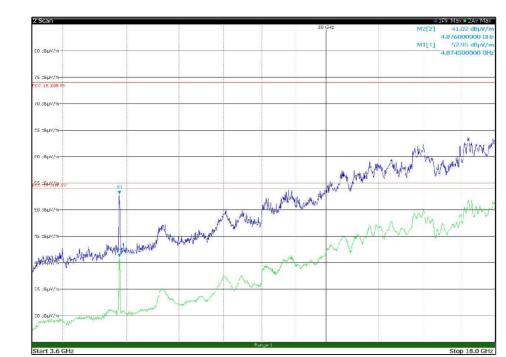


Figure 8.5-69: Radiated spurious emissions 1 to 3.6 GHz, Mid channel WIFi modulation 802.11 n(HT20) with antenna in horizontal polarization

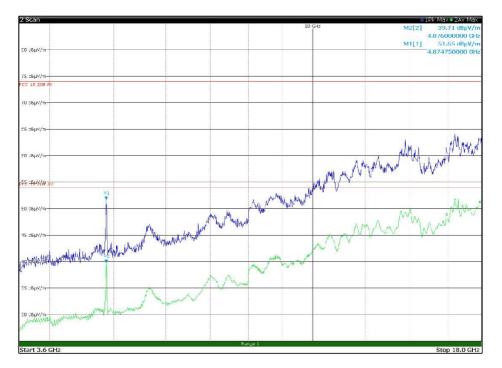


Figure 8.5-70: Radiated spurious emissions 1 to 3.6 GHz, Mid channel WIFi modulation 802.11 n(HT20) with antenna in vertical polarization

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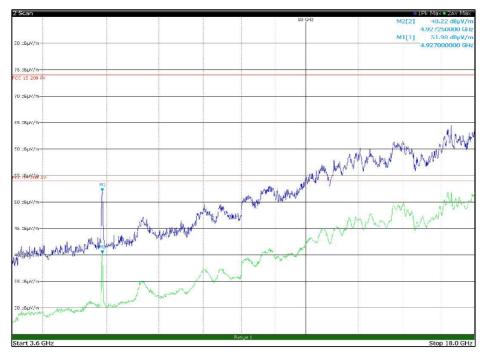


Figure 8.5-71: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11 n(HT20) with antenna in horizontal polarization

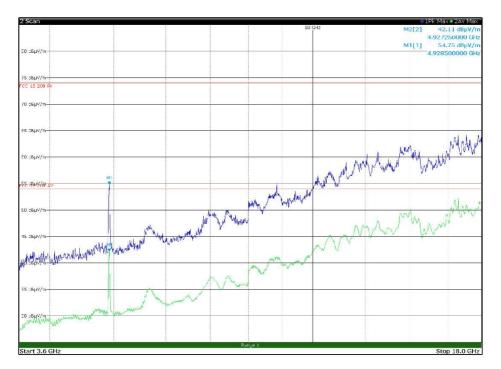


Figure 8.5-72: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11 n(HT20) with antenna in vertical polarization

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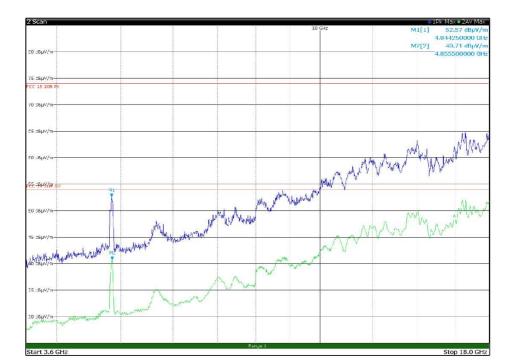


Figure 8.5-73: Radiated spurious emissions 1 to 3.6 GHz, Low channel WIFi modulation 802.11 n(HT40) with antenna in horizontal polarization

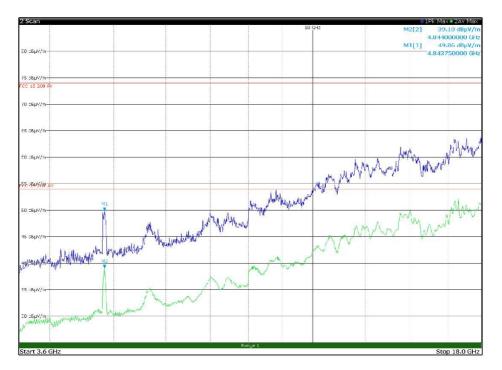


Figure 8.5-74: Radiated spurious emissions 1 to 3.6 GHz, Low channel WIFi modulation 802.11 n(HT40) with antenna in vertical polarization

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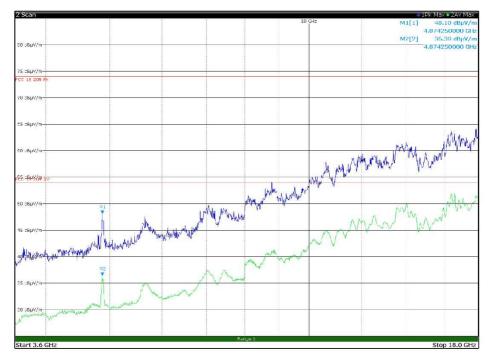


Figure 8.5-75: Radiated spurious emissions 1 to 3.6 GHz, Mid channel WIFi modulation 802.11 n(HT40) with antenna in horizontal polarization

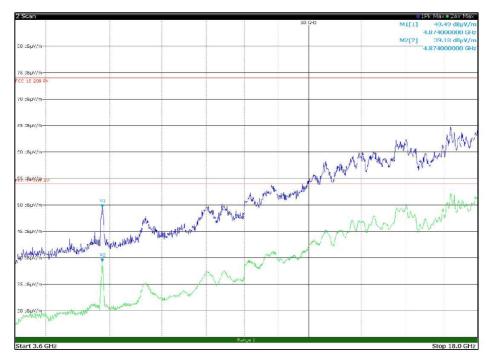


Figure 8.5-76: Radiated spurious emissions 1 to 3.6 GHz, Mid channel WIFi modulation 802.11 n(HT40) with antenna in vertical polarization

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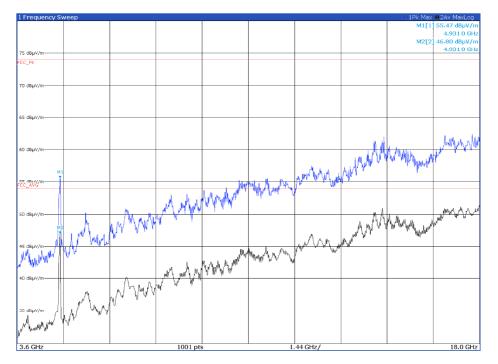


Figure 8.5-77: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11 n(HT40) with antenna in horizontal polarization

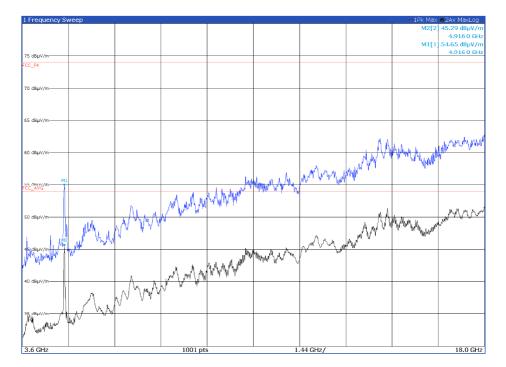


Figure 8.5-78: Radiated spurious emissions 1 to 3.6 GHz, High channel WIFi modulation 802.11 n(HT40) with antenna in vertical polarization

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 Testing data

 Test name
 FCC 15.247(d) Spurious (out-of-band) unwanted emissions

 Specification
 FCC Part 15 Subpart C



BANDEDGE

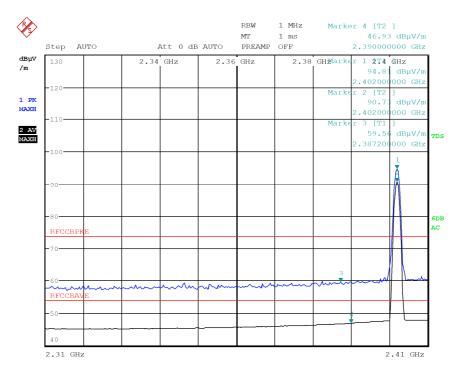


Figure 8.5-79: Bandedge, low channel BT worst case modulation 8DPSK with antenna in horizontal polarization

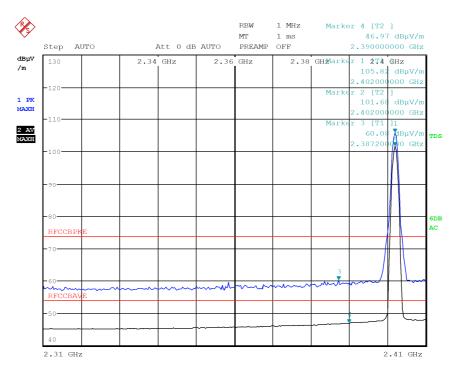


Figure 8.5-80: Bandedge, low channel BT worst case modulation 8DPSK with antenna in vertical polarization

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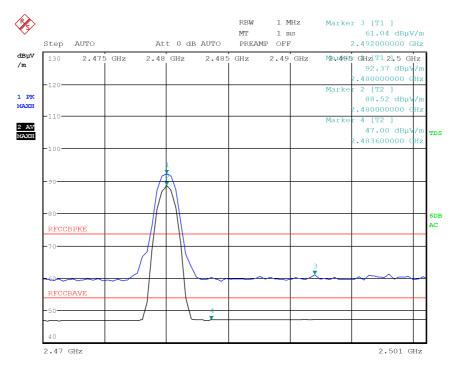


Figure 8.5-81: Bandedge, high channel BT worst case modulation 8DPSK with antenna in horizontal polarization

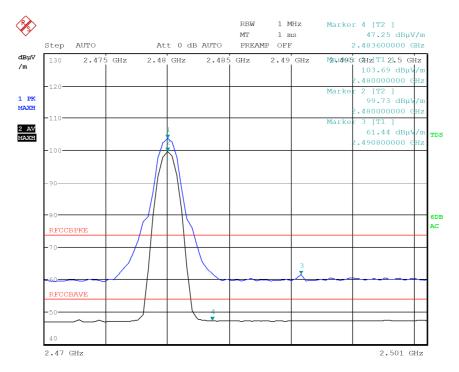


Figure 8.5-82: Bandedge, high channel BT worst case modulation 8DPSK with antenna in horizontal polarization

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Ż RBW 1 MHz Marker 2 [T2] 94.14 dBµV/m 2.404000000 GHz MT 1 ms Step AUTO Att 0 dB AUTO OFF PREAMP dBµV ∕m 1 2T4 GHz 2.34 GHz GHz 2.36 2.38 GHMark dBµV/ 94.33 404000 000 GH Mar 3 [T1 59.5 1 PK MAXH dBµV/ 38840 00 GH Mar [T: 2 AV MAXH 47.0 dBµV/r TDS 000 GH 6DE AC RFCCBP h RFCCE 4.0 2.31 GHz 2.41 GHz

Figure 8.5-83: Bandedge, low channel BLE with antenna in horizontal polarization

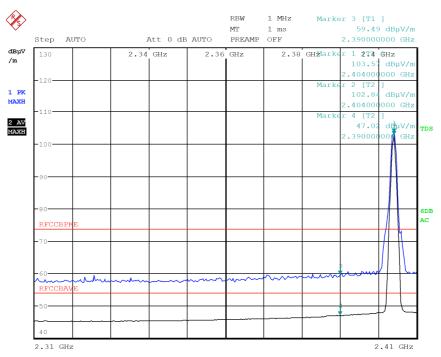


Figure 8.5-84: Bandedge, low channel BLE with antenna in vertical polarization

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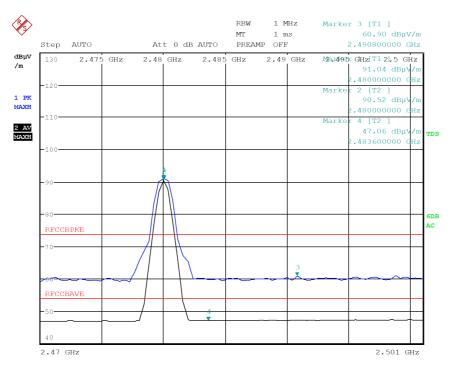


Figure 8.5-85: Bandedge, high channel BLE with antenna in horizontal polarization

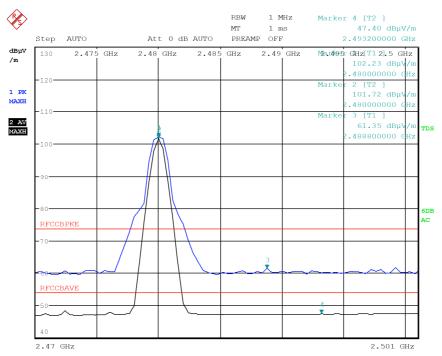


Figure 8.5-86: Bandedge, high channel BLE with antenna in vertical polarization

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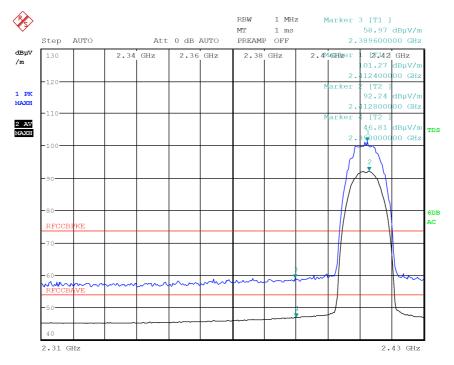


Figure 8.5-87: Bandedge, low channel WiFi modulation 802.11b with antenna in horizontal polarization

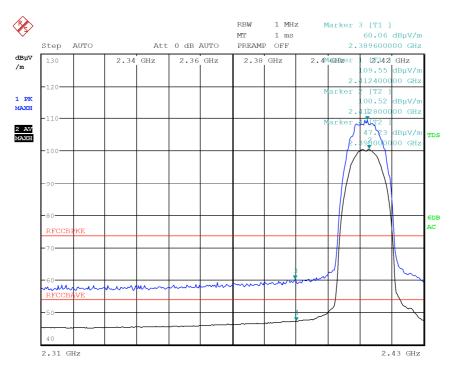


Figure 8.5-88: Bandedge, low channel WiFi modulation 802.11b with antenna in vertical polarization

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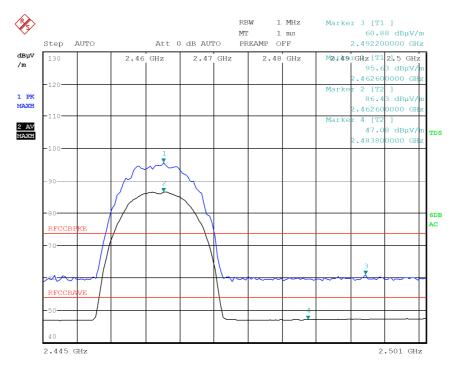


Figure 8.5-89: Bandedge, high channel WiFi modulation 802.11b with antenna in horizontal polarization

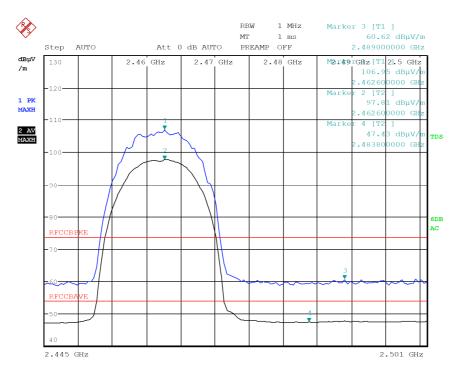


Figure 8.5-90: Bandedge, high channel WiFi modulation 802.11b with antenna in vertical polarization

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Ż RBW 1 MHz Marker 2 [T2] 86.84 dBµV/m MT 1 ms Step AUTO Att 0 dB AUTO PREAMP OFF 2.406800000 GHz dBµV 2.142 GHz 2.36 GHz 2.4M&Hzer 2.34 GHz 2.38 GHz /m 5.45 dBµV/ [T1 59.60 1 PK MAXH 39200 00 GH [T2 2 AV MAXH 47.05 dBµV/1 rds 00 GH Ť. ۱⁄ . 6DE AC RFCCE m 2.43 GHz 2.31 GHz

Figure 8.5-91: Bandedge, low channel WiFi modulation 802.11g with antenna in horizontal polarization

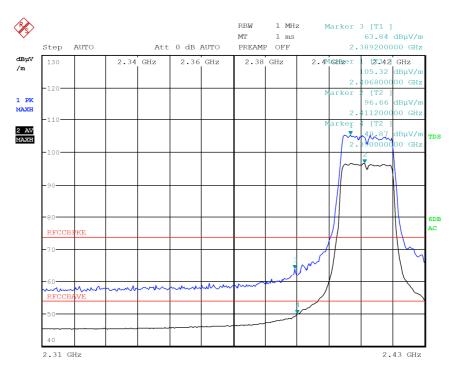


Figure 8.5-92: Bandedge, low channel WiFi modulation 802.11g with antenna in vertical polarization

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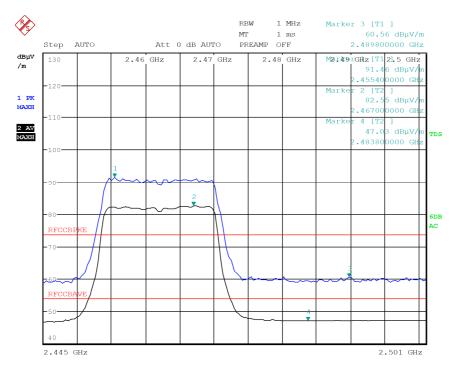


Figure 8.5-93: Bandedge, high channel WiFi modulation 802.11g with antenna in horizontal polarization

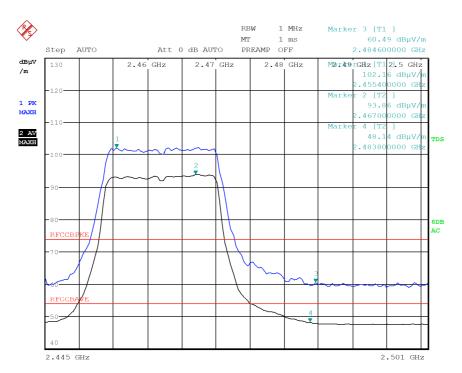


Figure 8.5-94: Bandedge, high channel WiFi modulation 802.11g with antenna in vertical polarization

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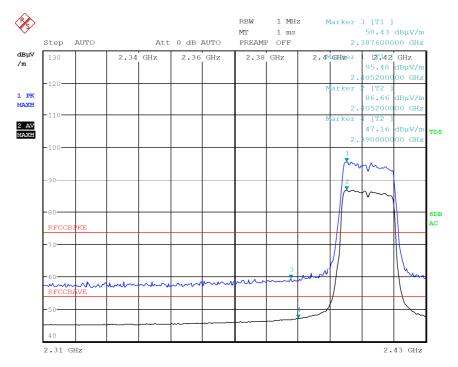


Figure 8.5-95: Bandedge, low channel WiFi modulation 802.11n (HT20) with antenna in horizontal polarization

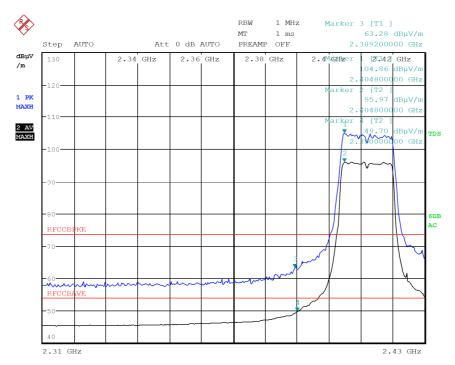


Figure 8.5-96: Bandedge, low channel WiFi modulation 802.11n (HT20) with antenna in vertical polarization

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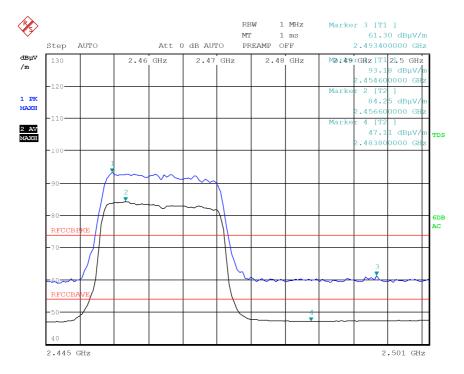


Figure 8.5-97: Bandedge, high channel WiFi modulation 802.11n (HT20) with antenna in horizontal polarization

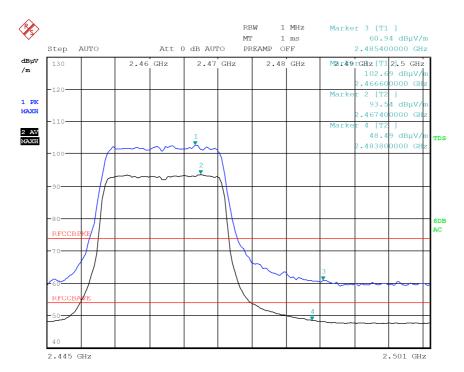


Figure 8.5-98: Bandedge, high channel WiFi modulation 802.11n (HT20) with antenna in vertical polarization

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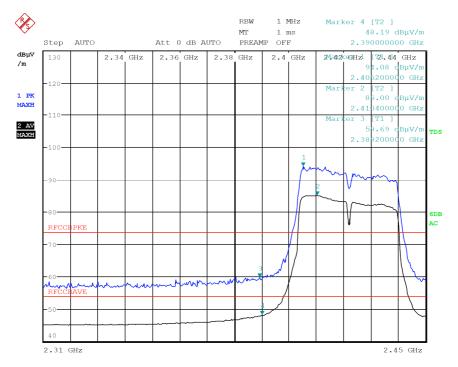


Figure 8.5-99: Bandedge, low channel WiFi modulation 802.11n (HT40) with antenna in horizontal polarization

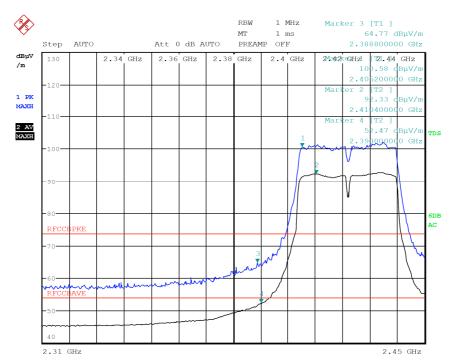


Figure 8.5-100: Bandedge, low channel WiFi modulation 802.11n (HT40) with antenna in vertical polarization

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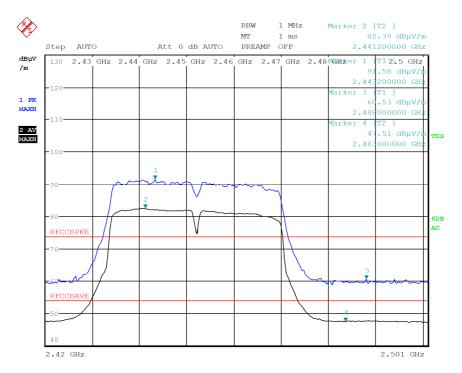


Figure 8.5-101: Bandedge, high channel WiFi modulation 802.11n (HT40) with antenna in horizontal polarization

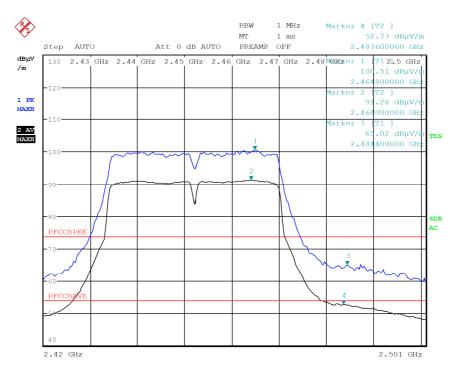
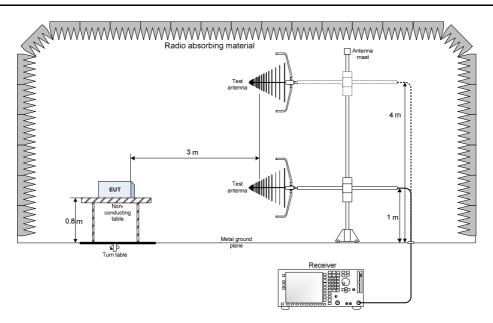


Figure 8.5-102: Bandedge, high channel WiFi modulation 802.11n (HT40) with antenna in vertical polarization

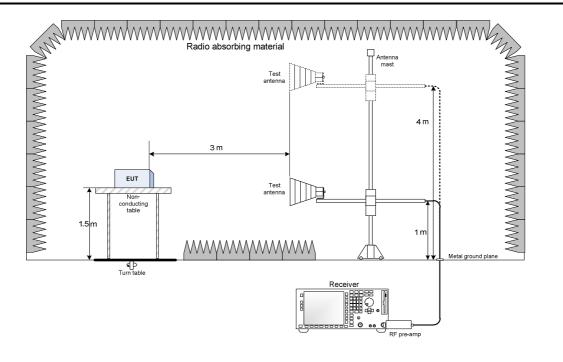


Section 9. Block diagrams of test set-ups

9.1 Radiated emissions set-up for frequencies below 1 GHz



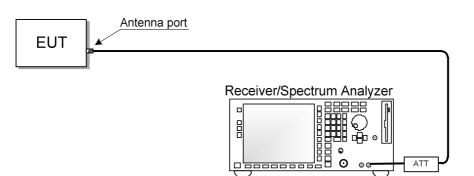
9.2 Radiated emissions set-up for frequencies above 1 GHz



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9.3 Antenna port set-up





Section 10. Photos

10.1 Photos of the test set-up



Radiated emission below 1 GHz

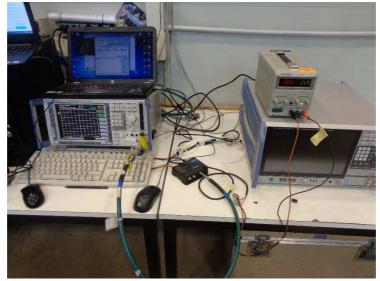


Radiated emission above 1 GHz

Section 10:

Photos





Conducted emission on the antenna port

Photos



10.2 Photos of the EUT



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Section 10:

Photos





(End of report)