

Annex C Diagrams Tranceiver

Low channel average

Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: *Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500*

Manufacturer : *Hand Held Products, Inc.*

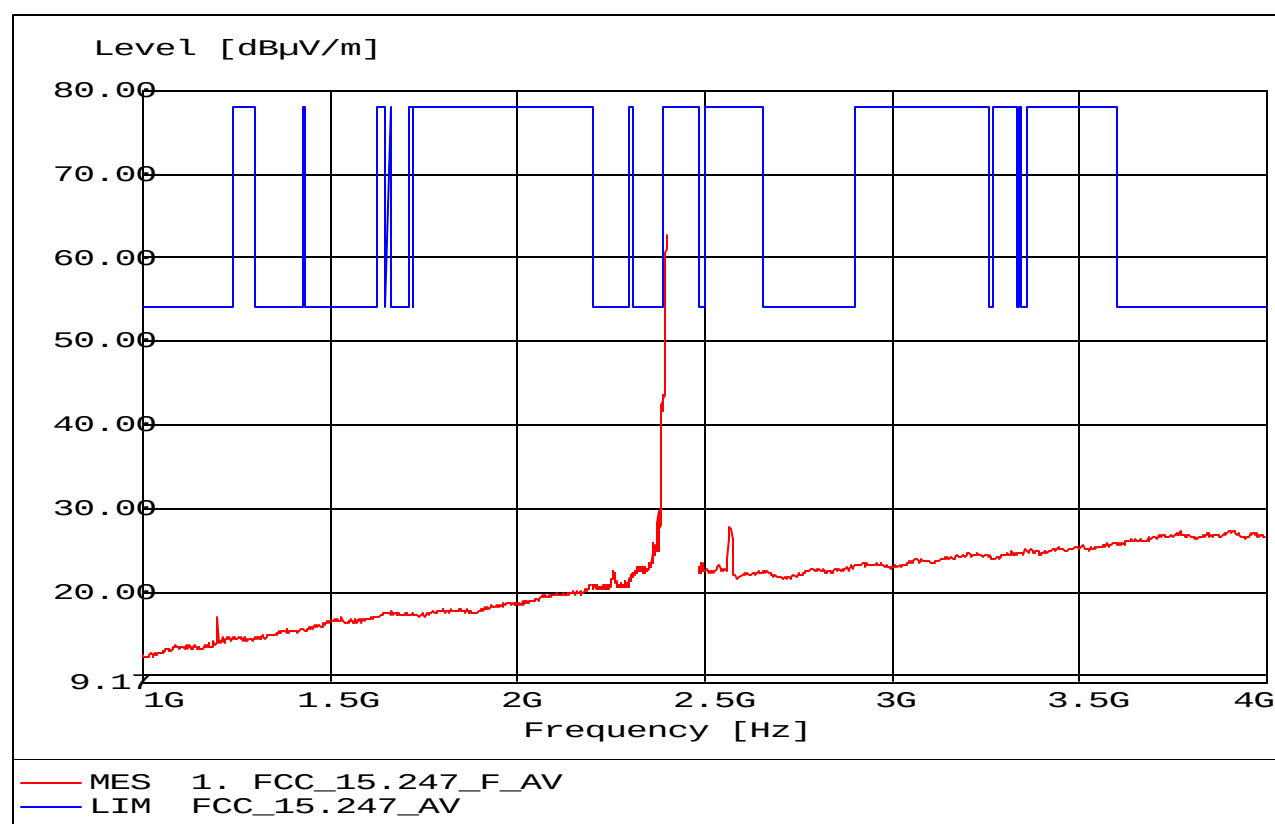
EUT Settings: *Channel 0 and Channel 1, continuous TX on*

Operating Condition: *t nom=22°C Internal battery*

Test Site / Operator: *ETS / Mr. Jahn*

Test Specification: *according to §15.247 / mode : TX*

Comment 1: *Dist.: 3m, Amplif., Ant.: HL025 horizontal*
Freq: 2.399GHz, Emax: 62.85dBµV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

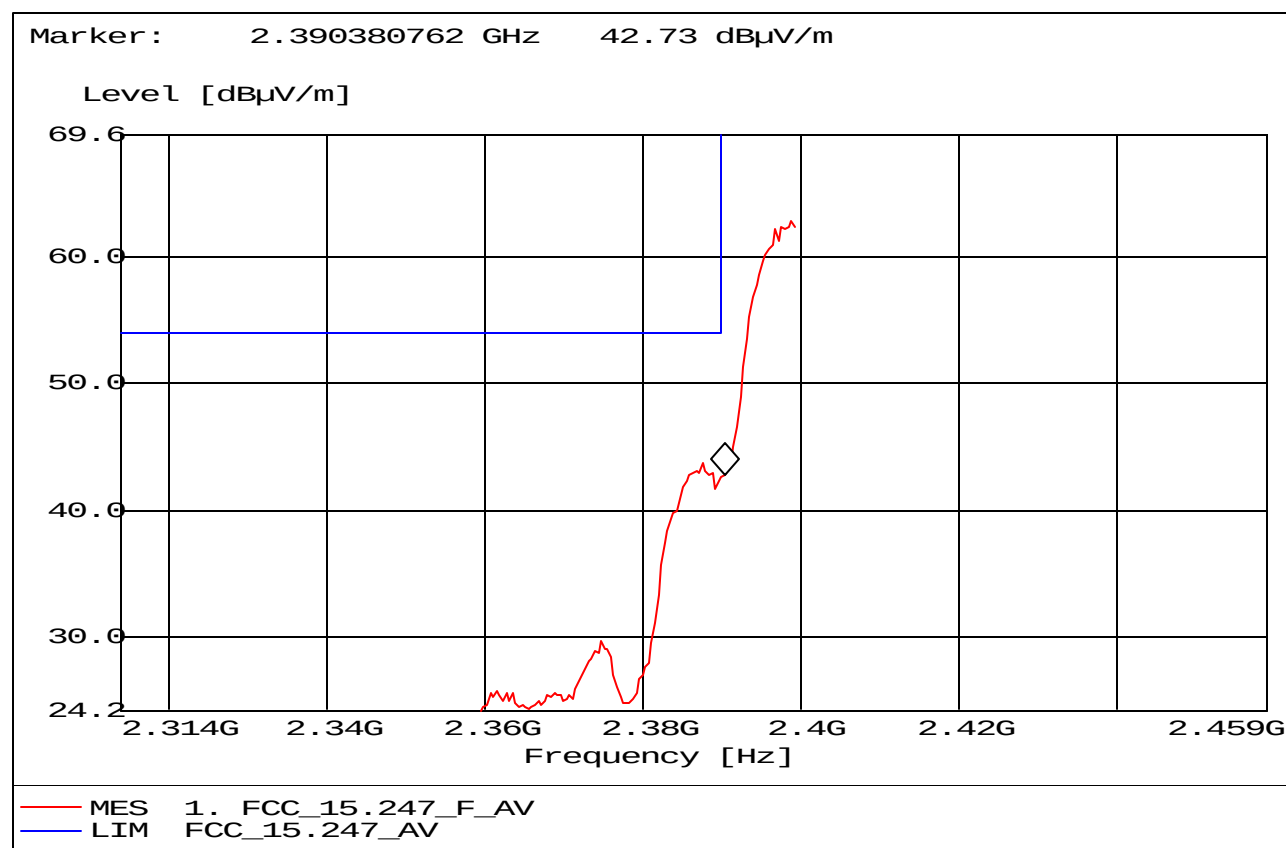
EUT Settins: Channel 0 and Channel 1, continuous TX on

Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 2.399GHz, Emax: 62.85dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 0 and Channel 1, continuous TX on

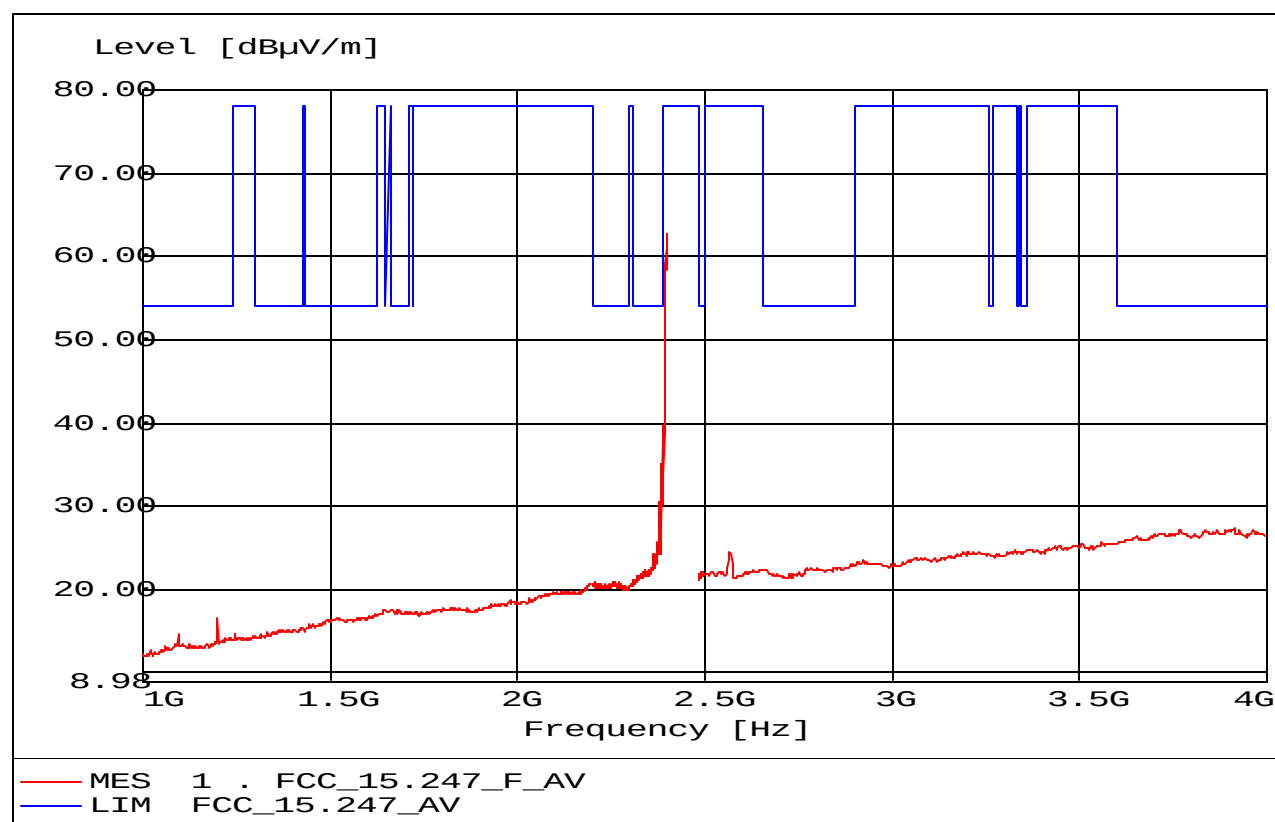
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 2.398GHz, Emax: 62.59dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

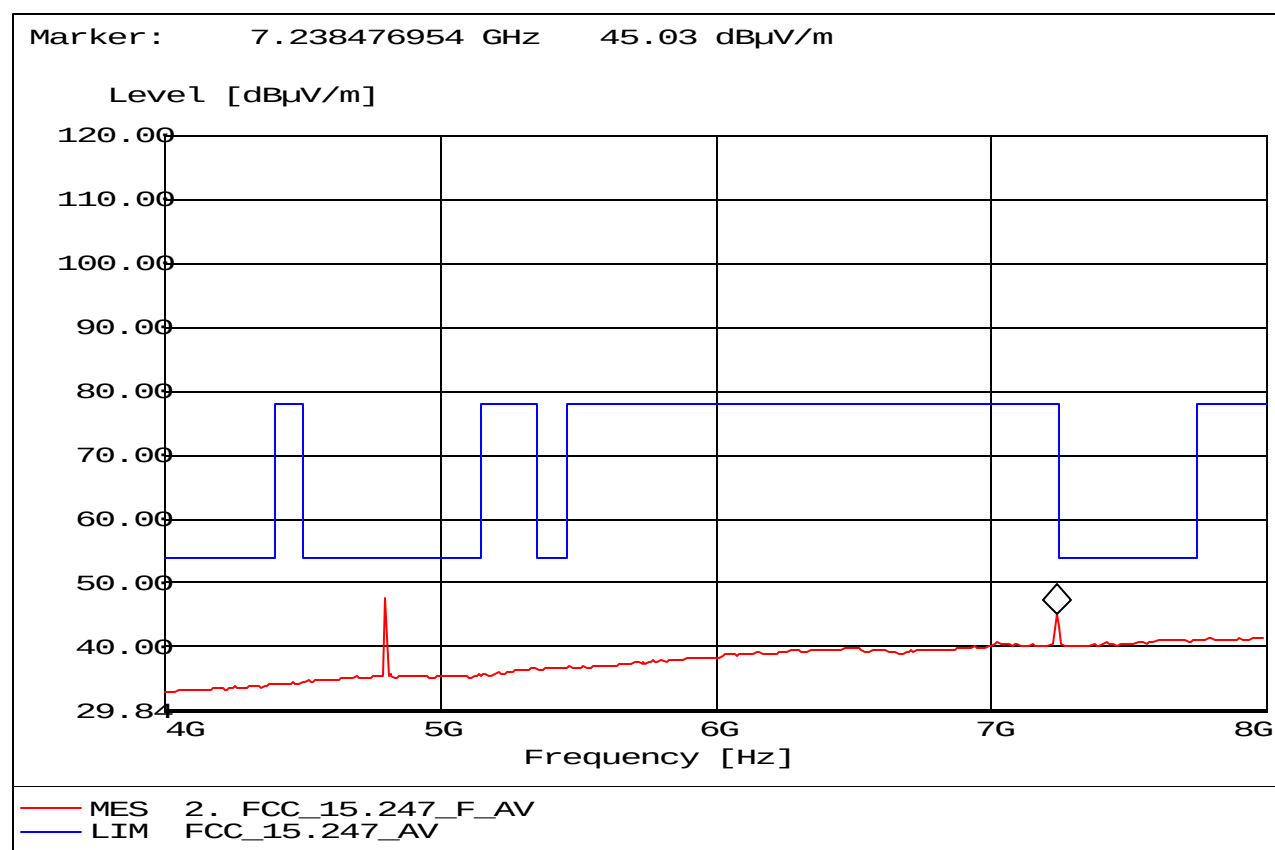
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 4.802GHz, **E_{max}:** 47.73dB μ V/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 0 and Channel 1, continuous TX on

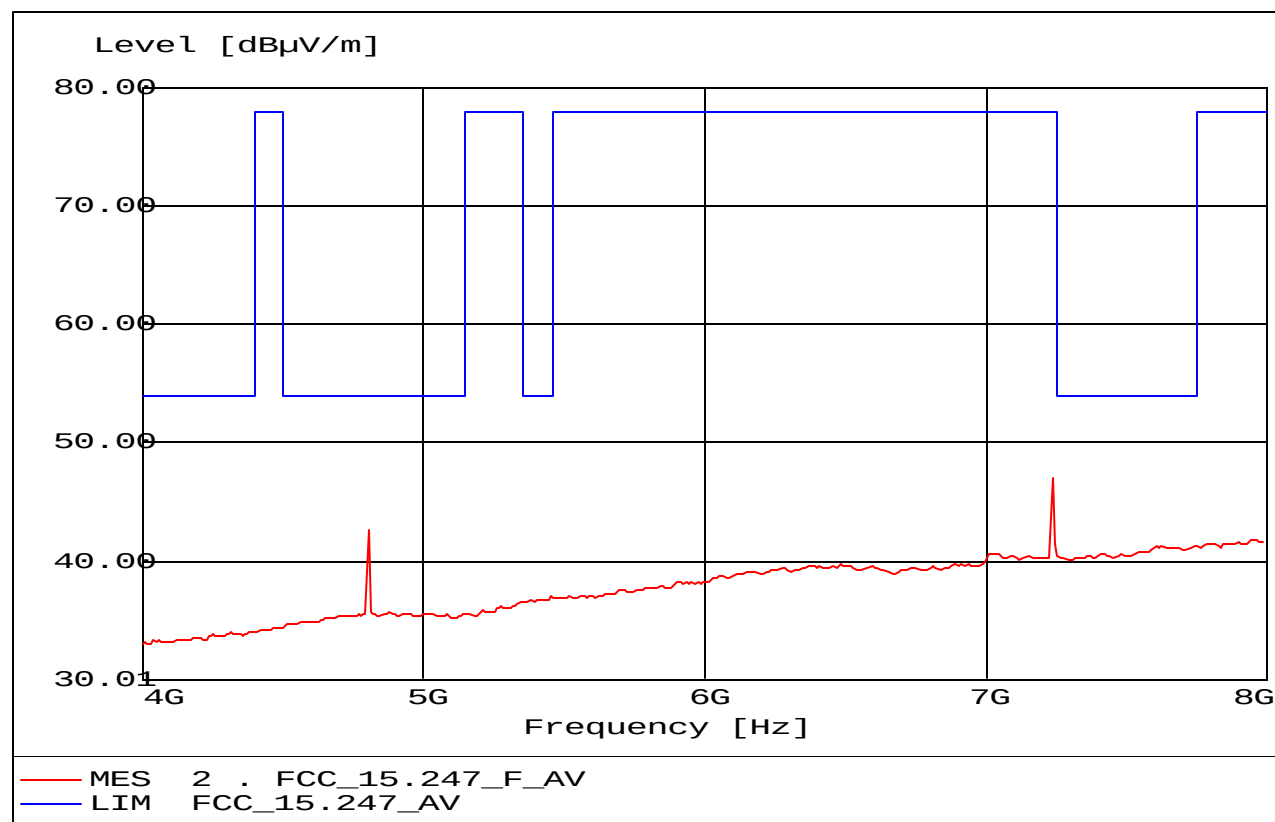
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.238GHz, Emax: 47.05dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

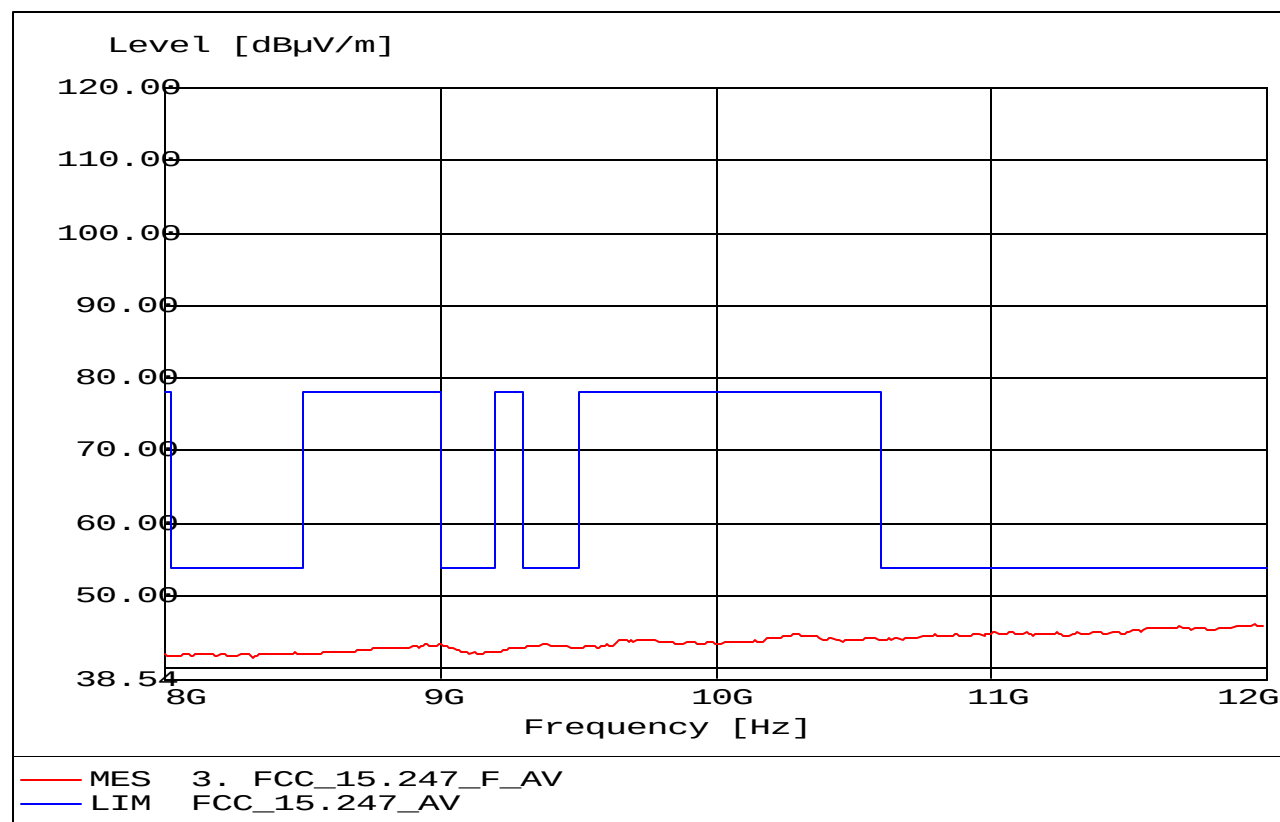
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 11.960GHz, Emax: 46.06dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

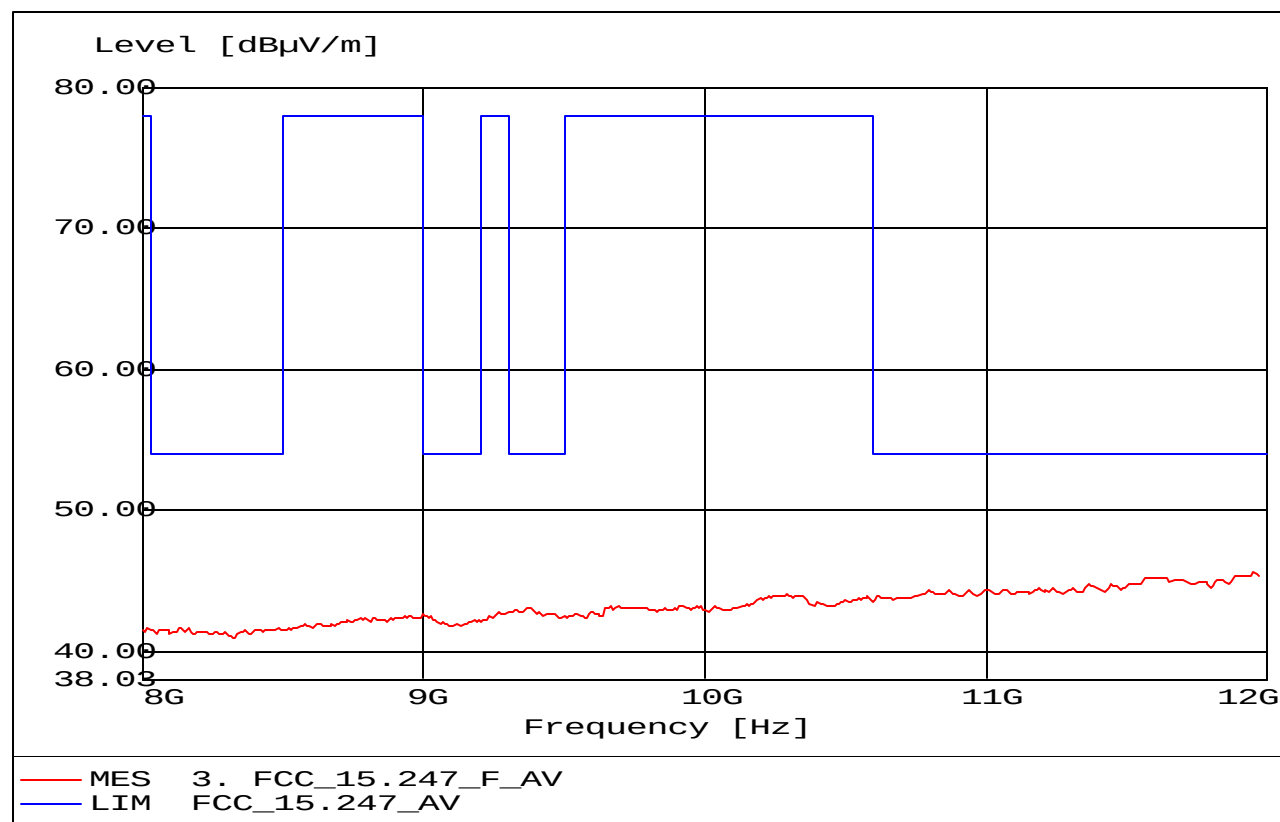
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.952GHz, Emax: 45.60dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 0 and Channel 1, continuous TX on

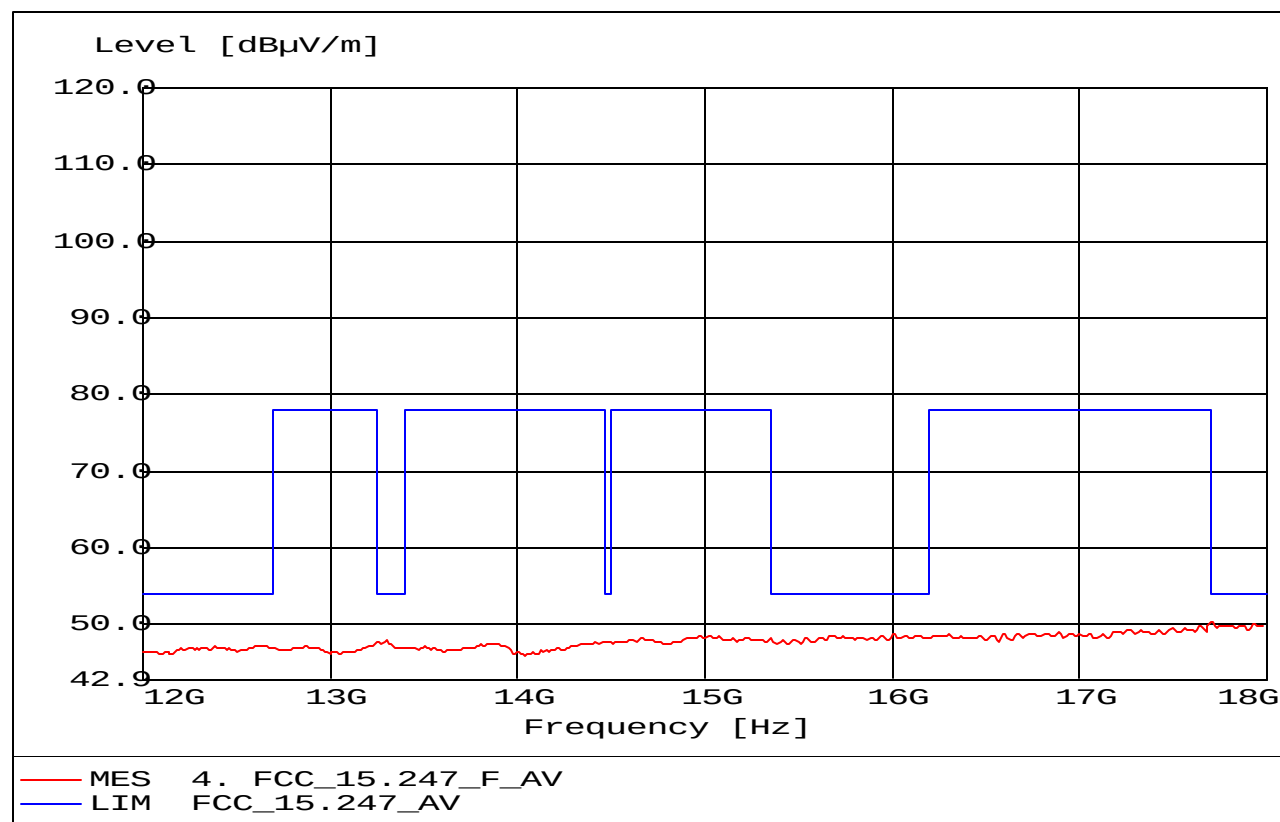
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.711GHz, **E_{max}:** 50.30dB μ V/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

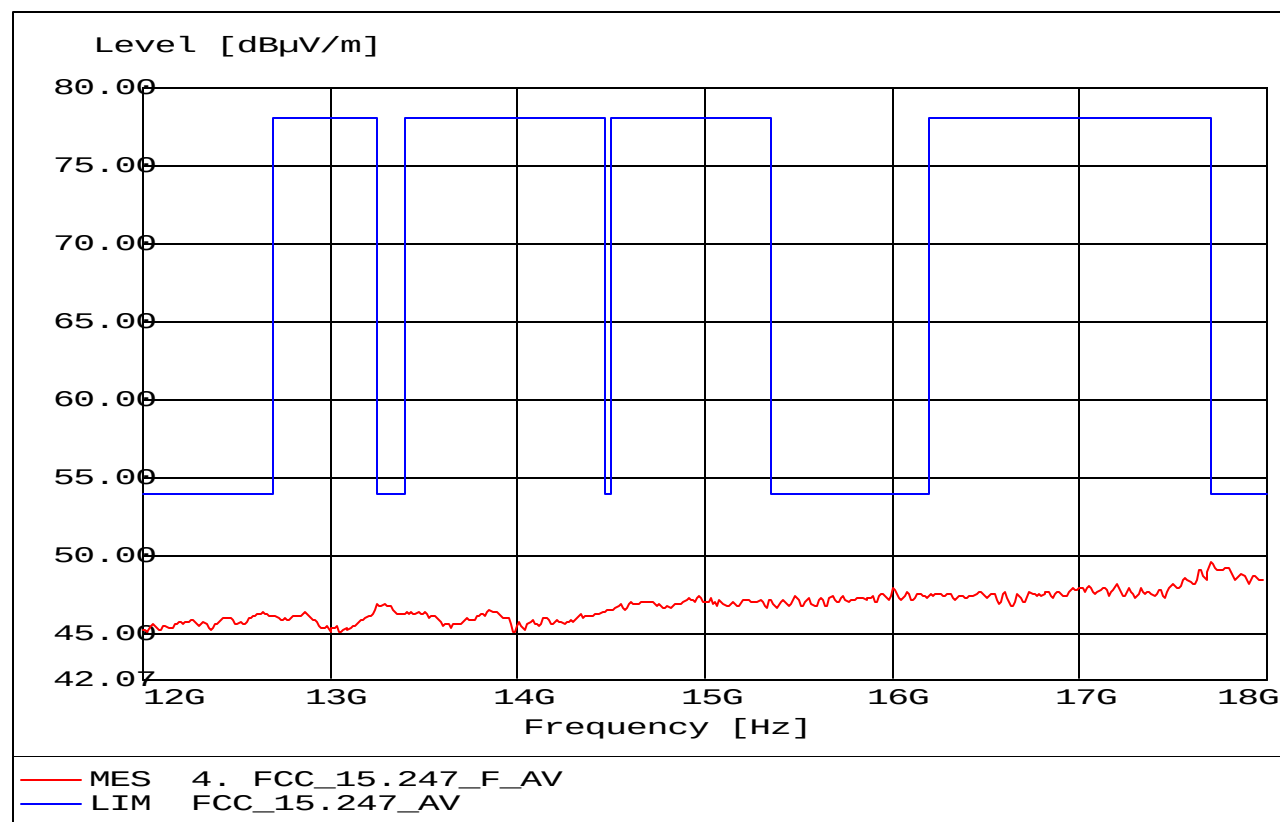
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

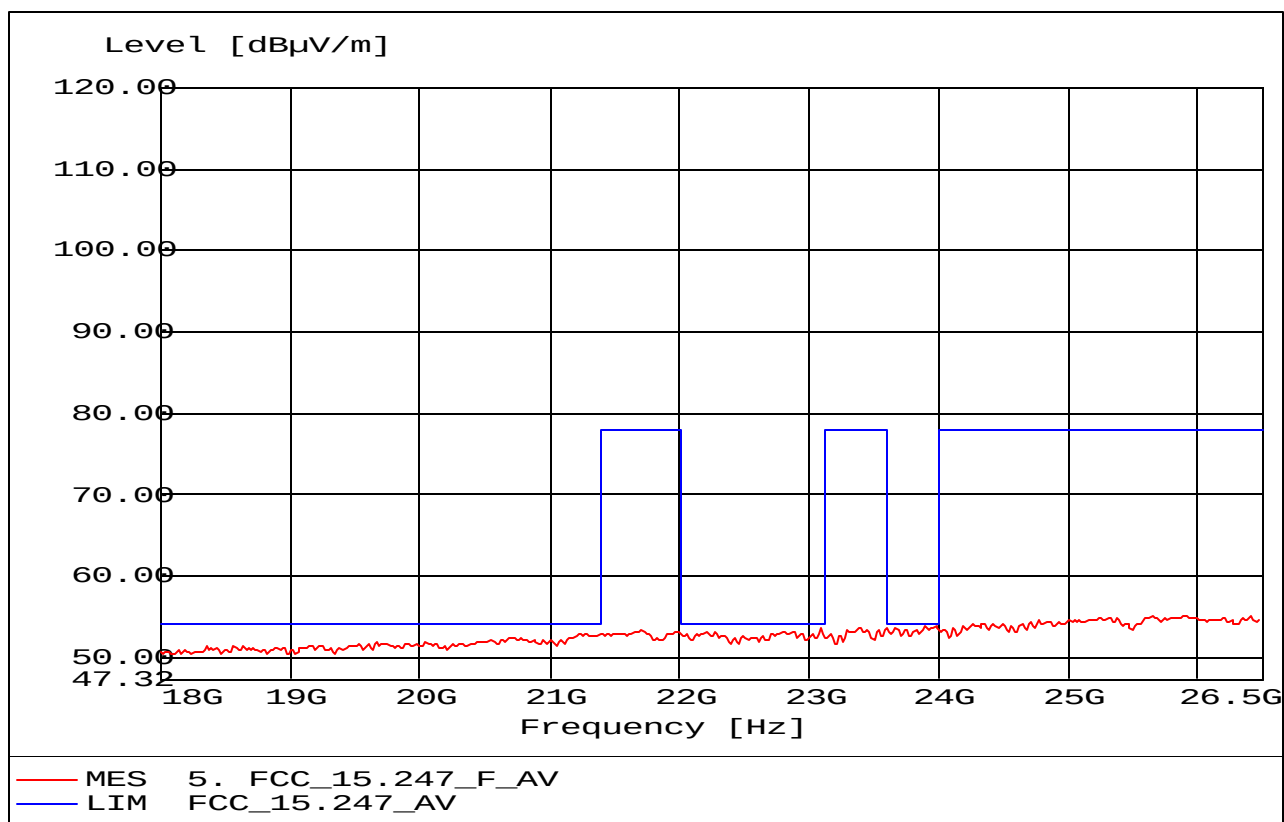
Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.699GHz, **E_{max}:** 49.54dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500
 Manufacturer : Hand Held Products, Inc.
 EUT Settins: Channel 0 and Channel 1, continuous TX on
 Operating Condition: t nom=22°C Internal battery
 Test Site / Operator: ETS / Mr. Jahn
 Test Specification: according to §15.247 / mode : TX
 Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 25.921GHz, Emax: 55.09dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

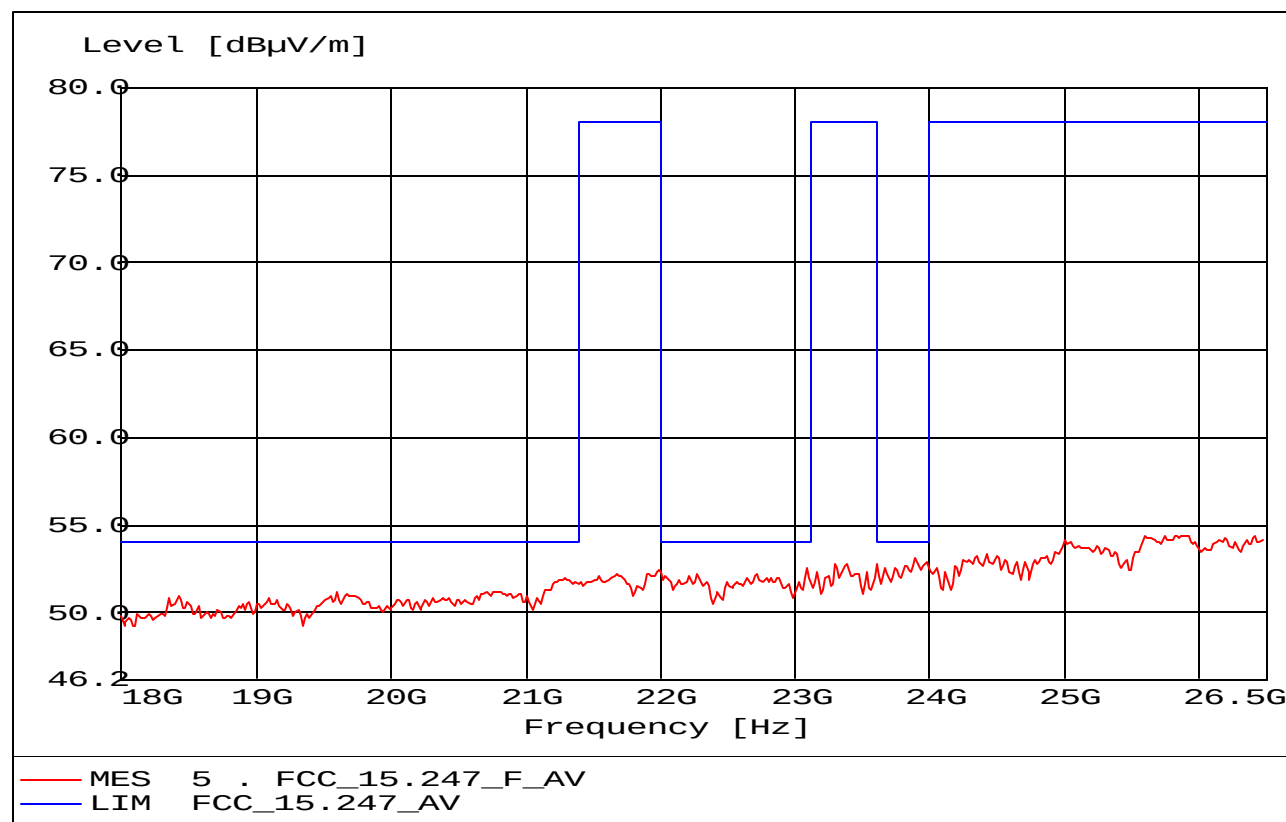
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 25.921GHz, Emax: 54.45dB $\mu\text{V/m}$, RBW: 1MHz



Signal Fieldstrength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

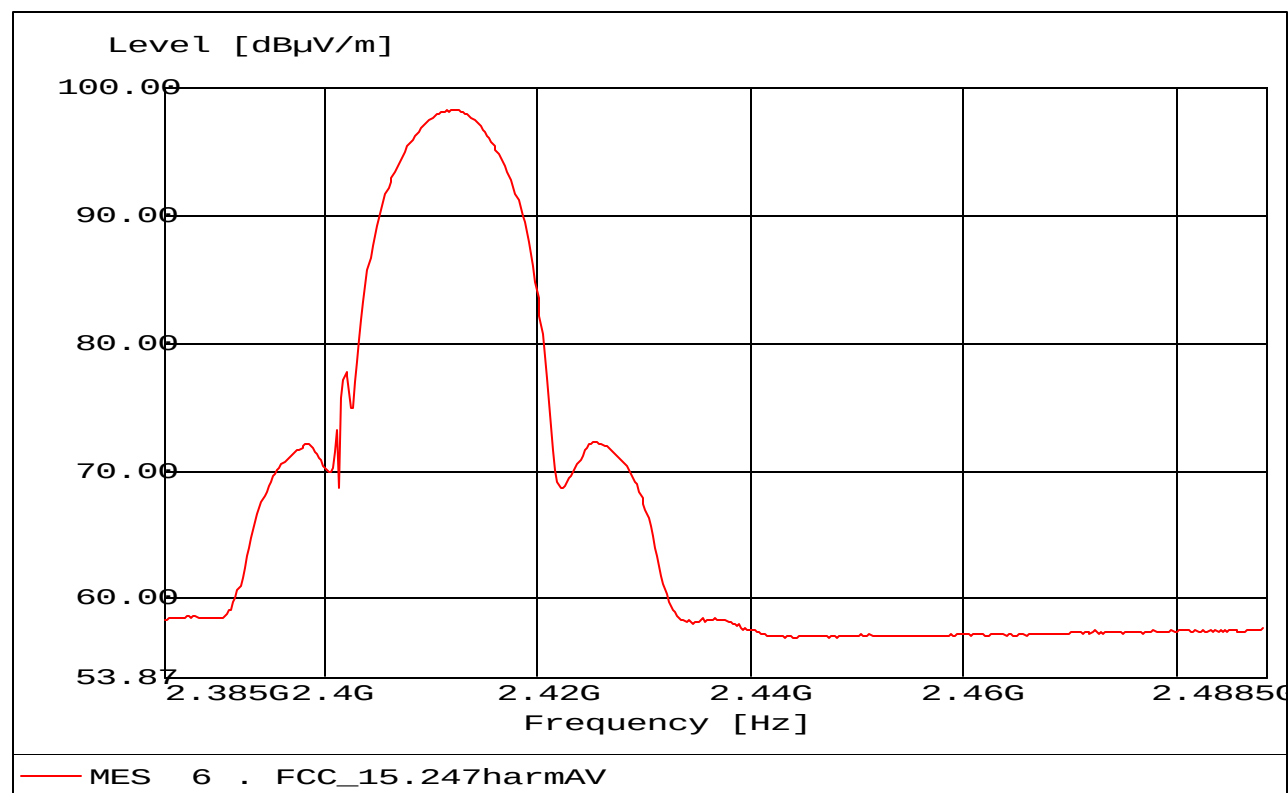
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Ant.: HL025 horizontal

Freq: 2.412GHz, **E_{max}:** 98.21dBμV/m, **RBW:** 1MHz



2nd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

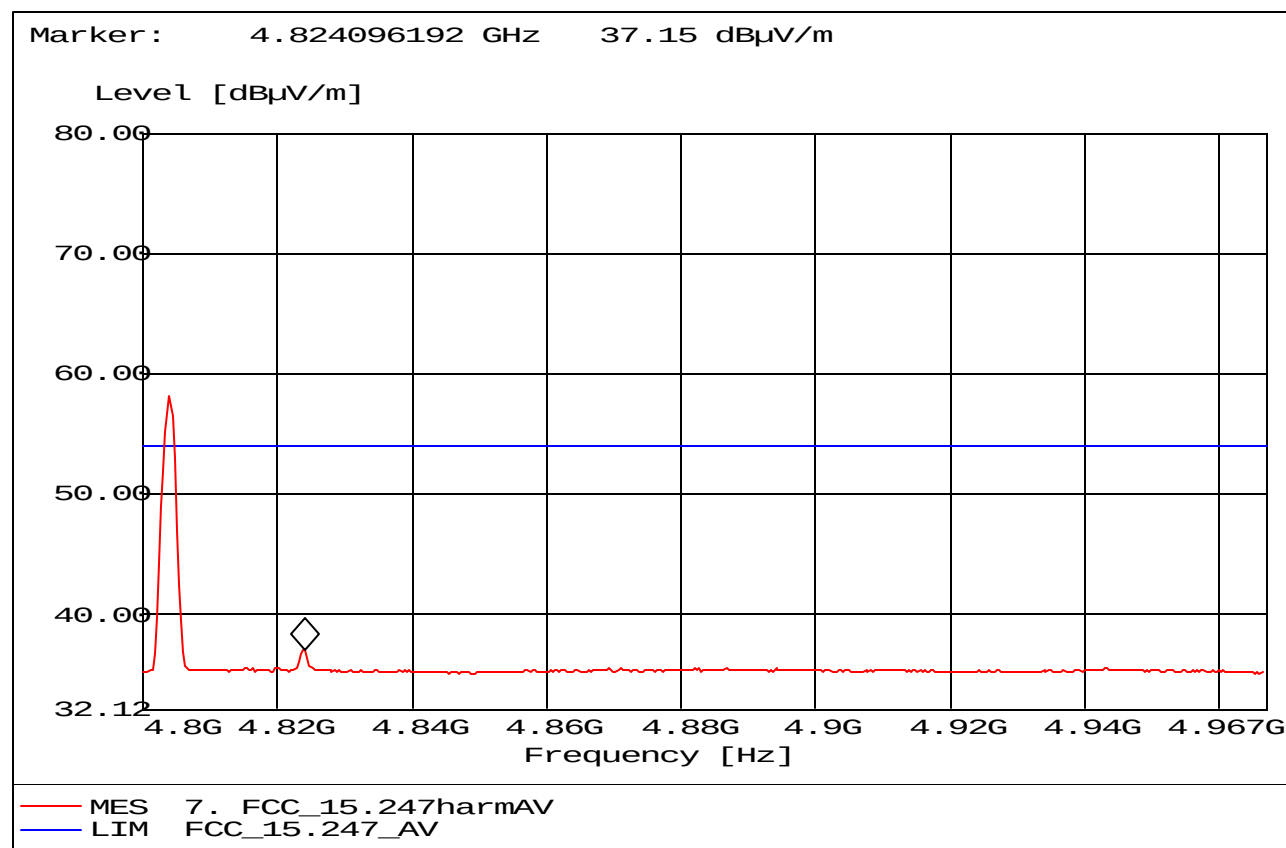
EUT Settins: Channel 0 and Channel 1, continuous TX on

Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 4.804GHz, Emax: 58.21dBµV/m, RBW: 1MHz



2nd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

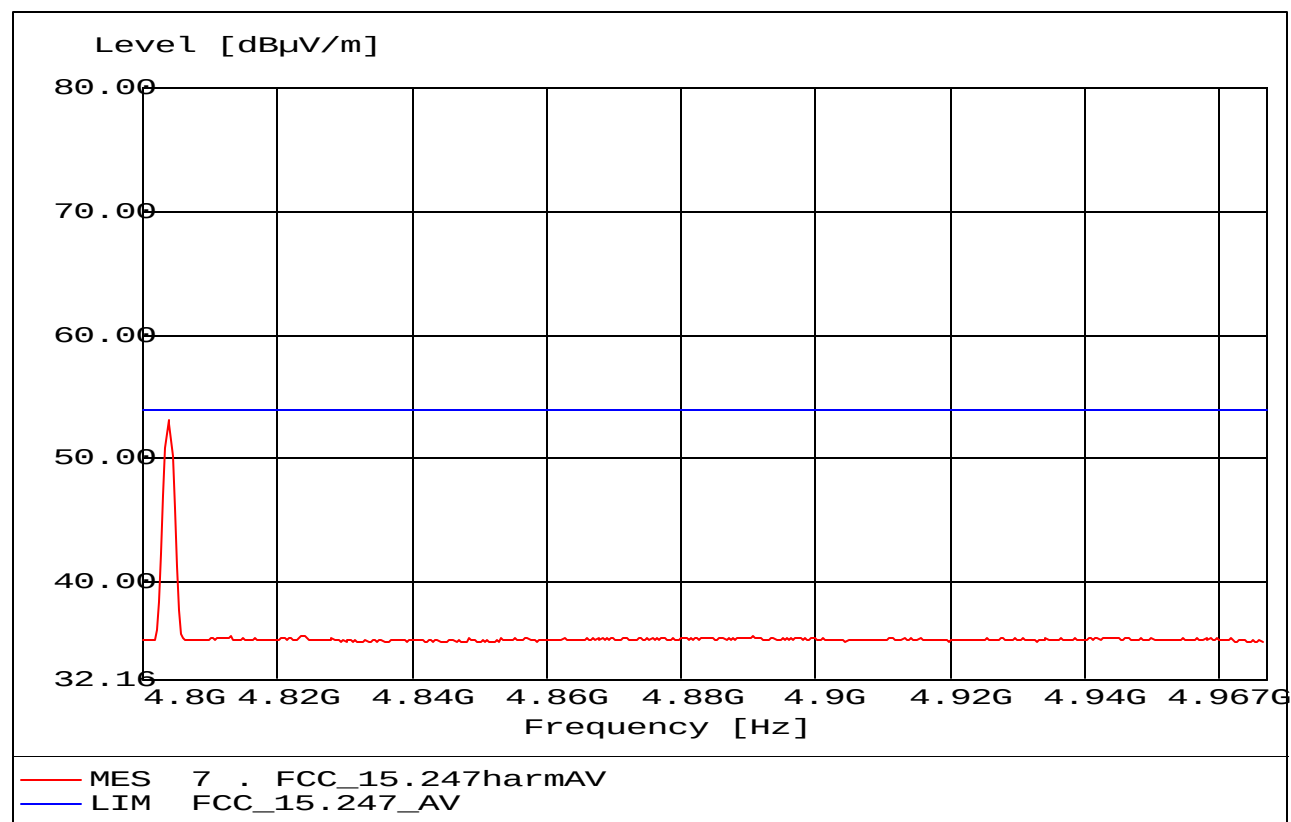
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 4.804GHz, Emax: 53.08dBµV/m, RBW: 1MHz



3rd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

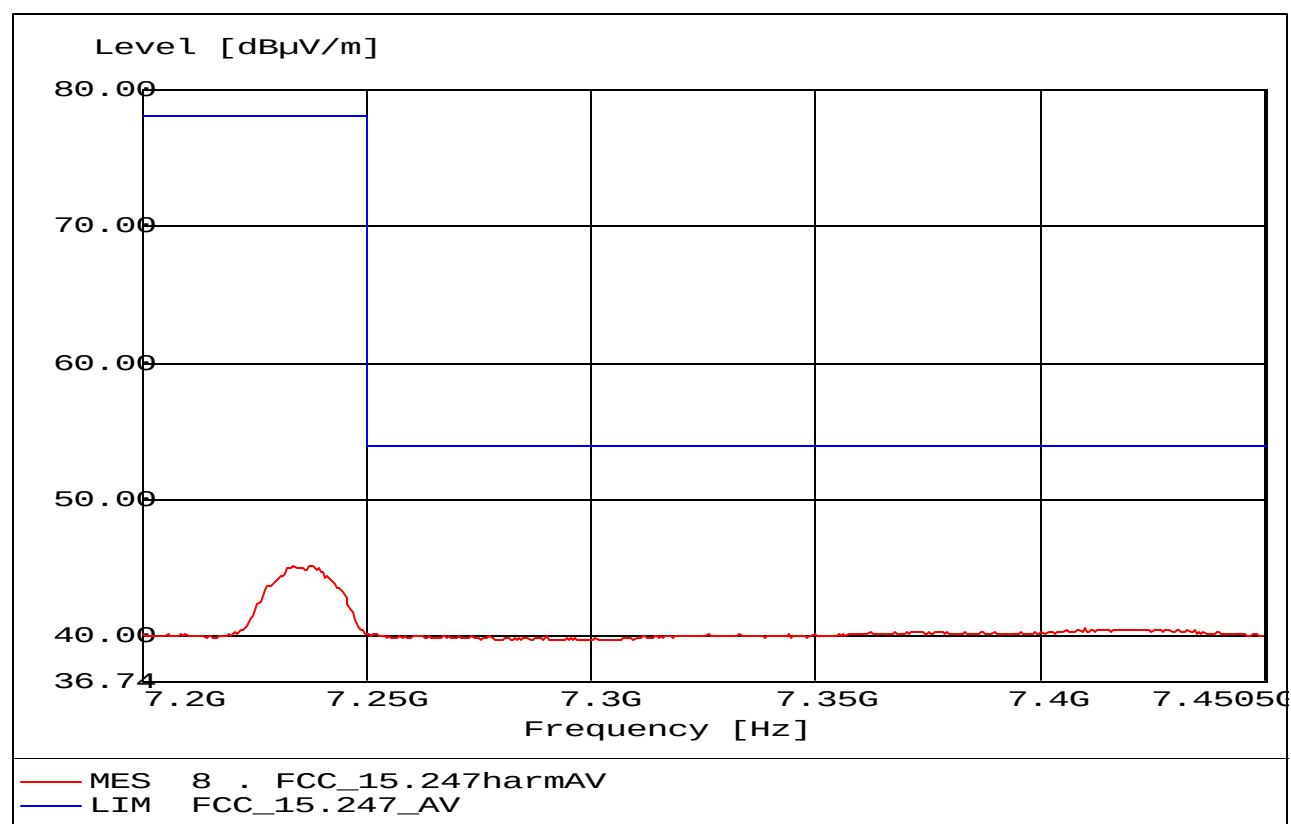
EUT Settins: Channel 0 and Channel 1, continuous TX on

Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 7.234GHz, Emax: 45.22dBμV/m, RBW: 1MHz



3rd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

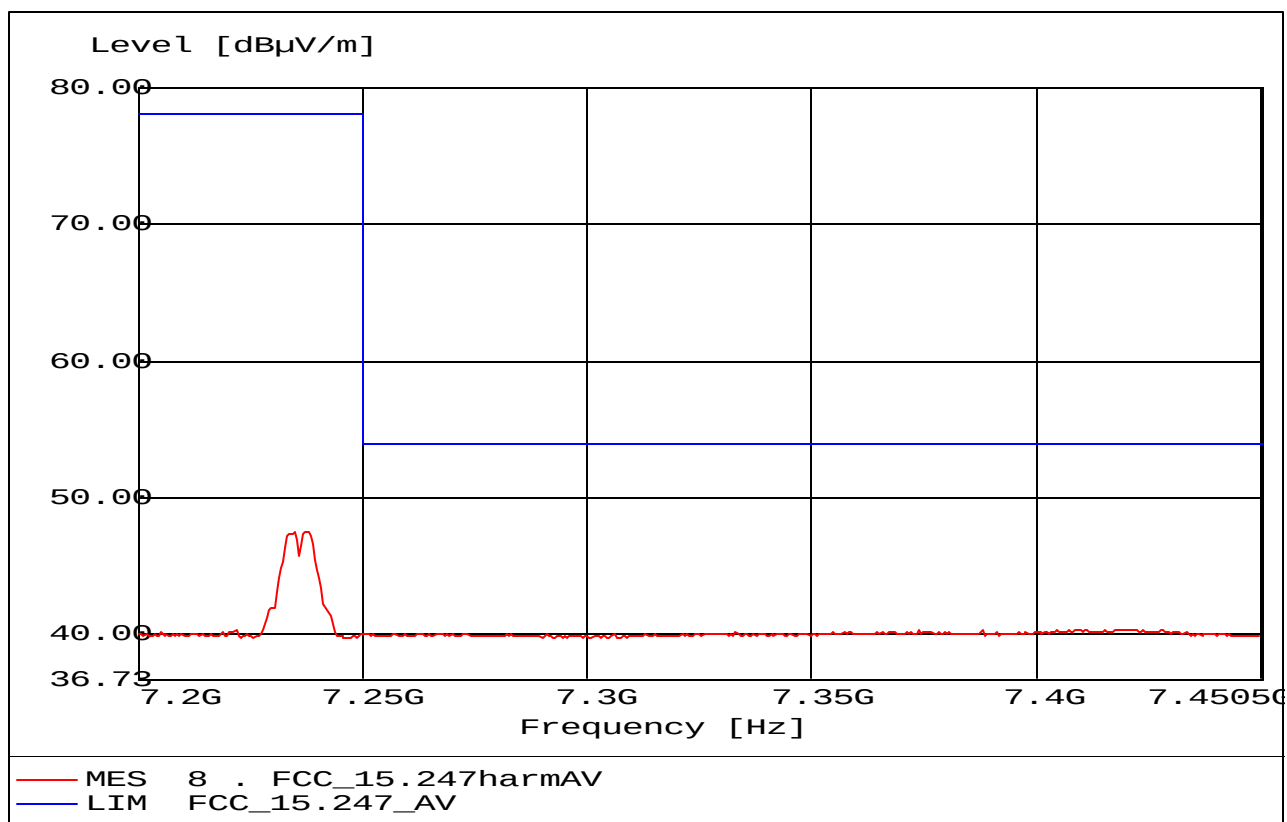
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.237GHz, Emax: 47.51dB μ V/m, RBW: 1MHz



Low channel peak measurements

Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

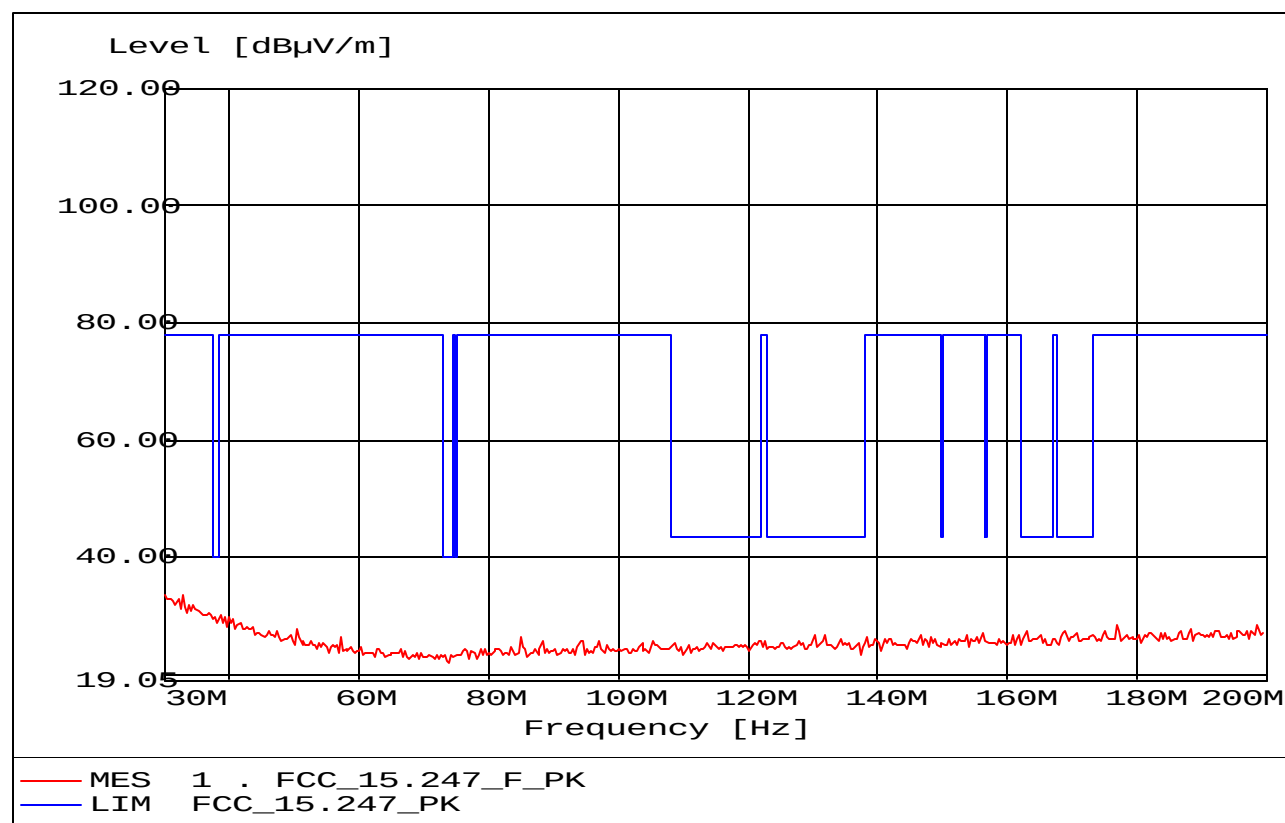
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HK116 horizontal

Freq: 32.725MHz, Emax: 33.80dBμV/m, RBW: 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

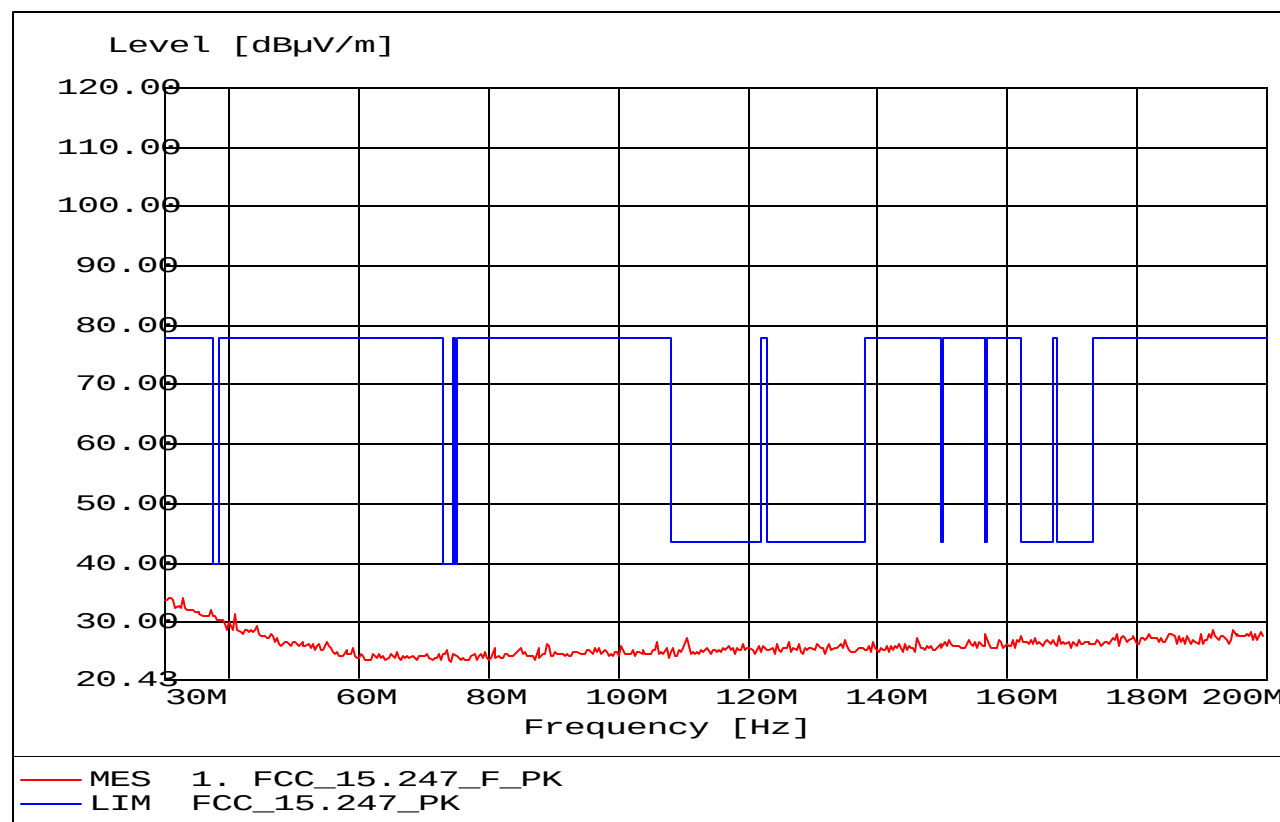
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HK116 vertical

Freq: 31.022MHz, **E_{max}:** 34.19dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

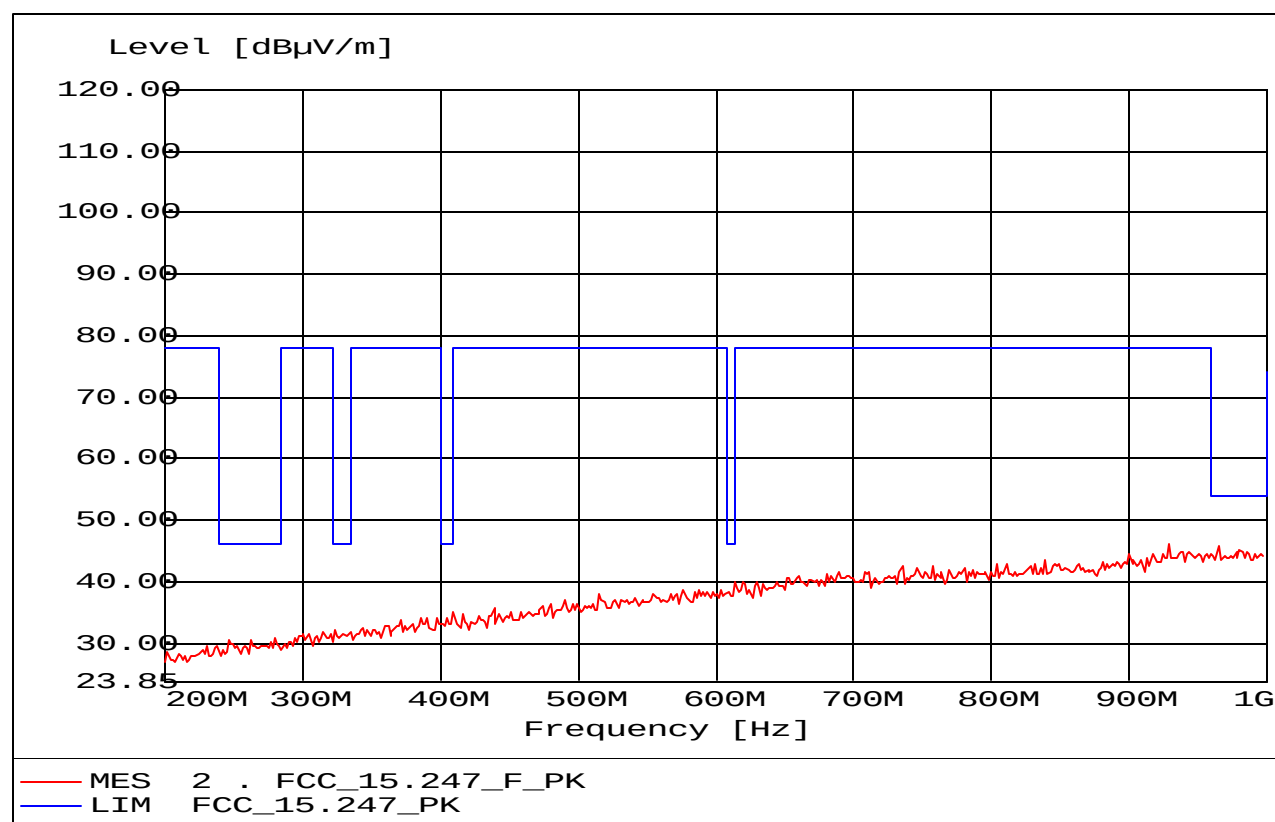
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 horizontal

Freq: 929.459MHz, **E_{max}:** 46.25dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 0 and Channel 1, continuous TX on

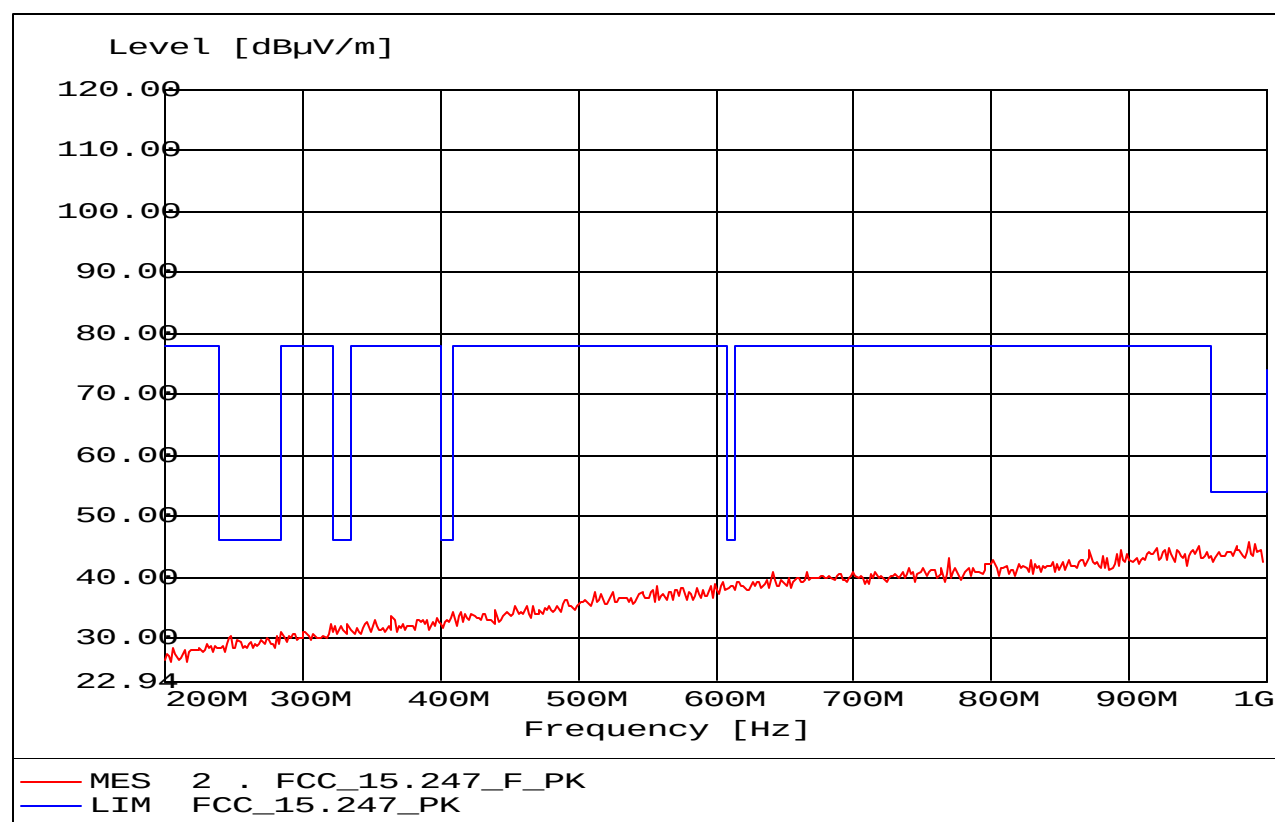
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 vertical

Freq: 987.174MHz, Emax: 45.74dB μ V/m, RBW: 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

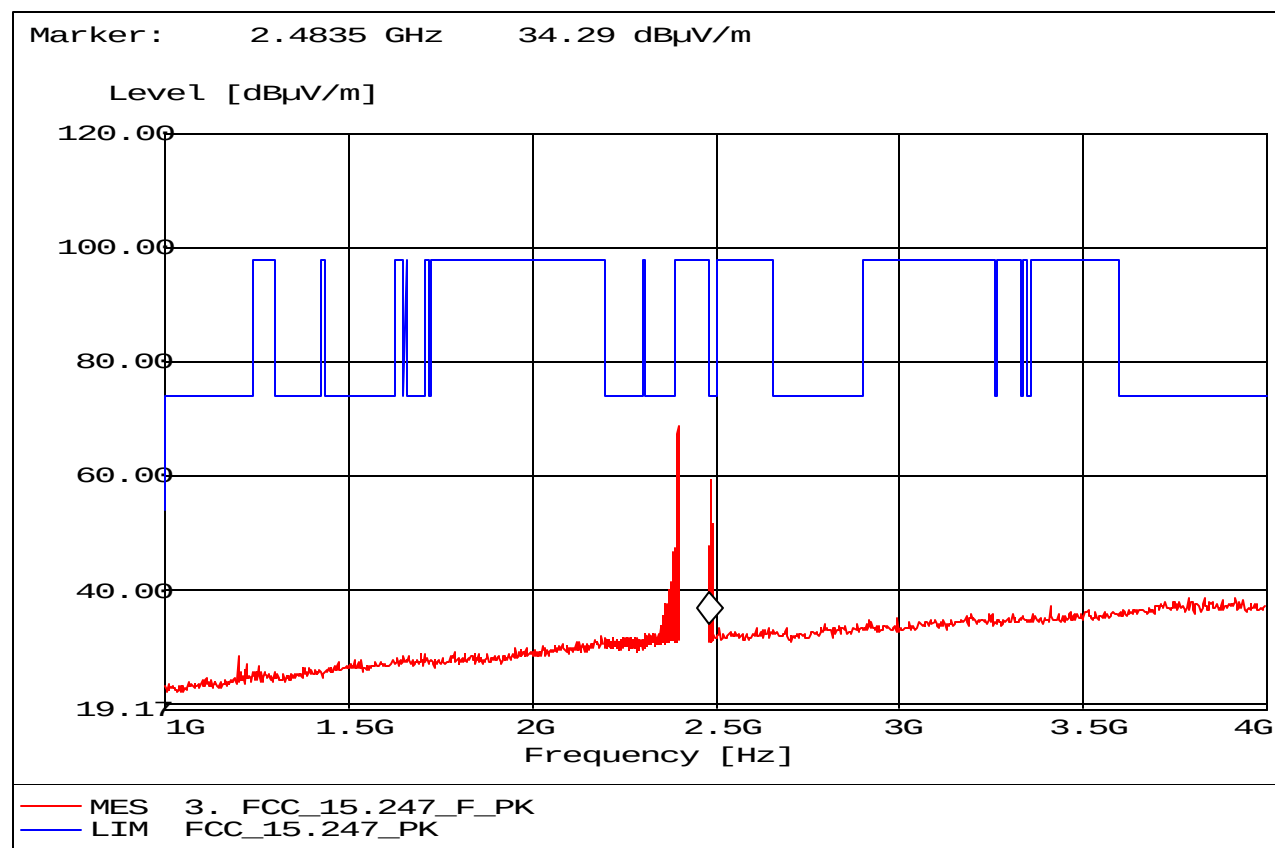
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 2.399GHz, Emax: 68.86dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

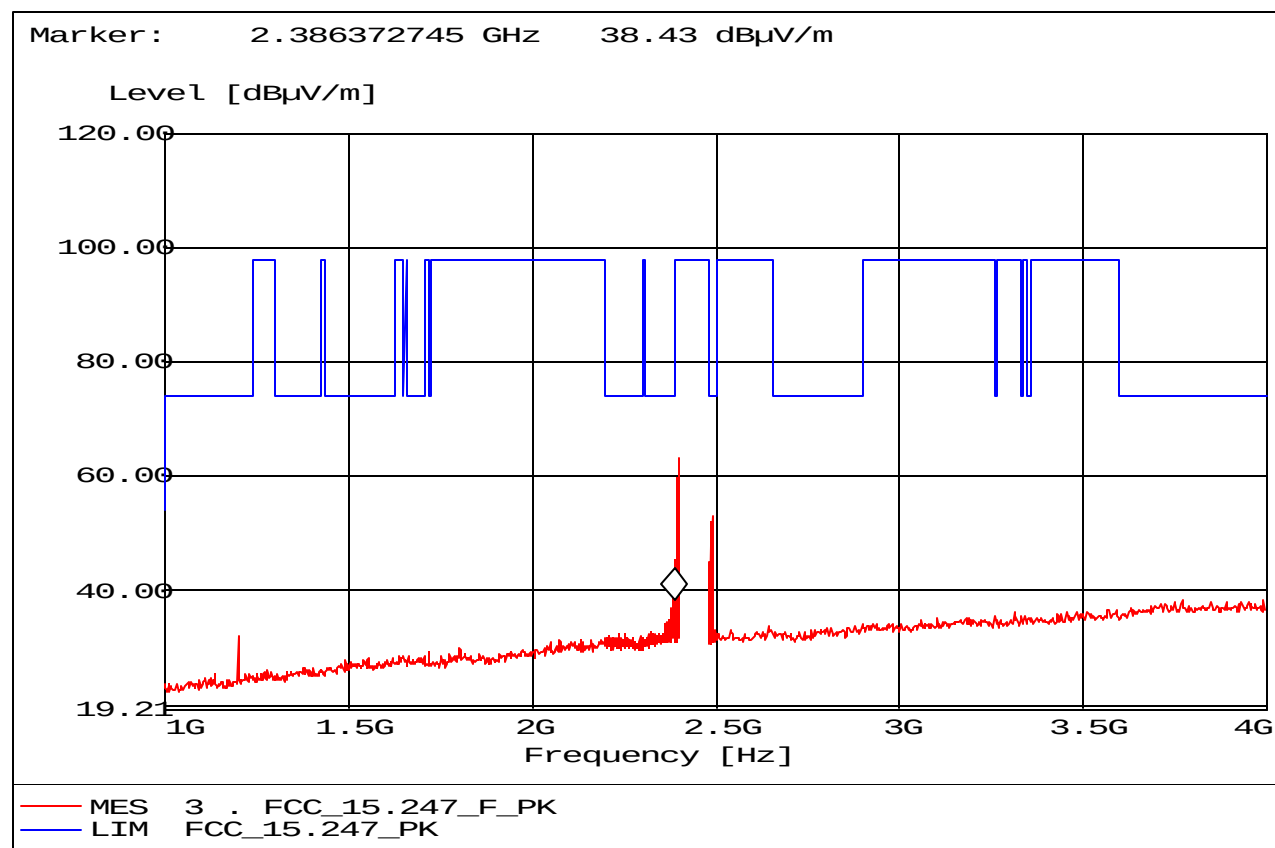
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 2.398GHz, **E_{max}:** 63.24dB μ V/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

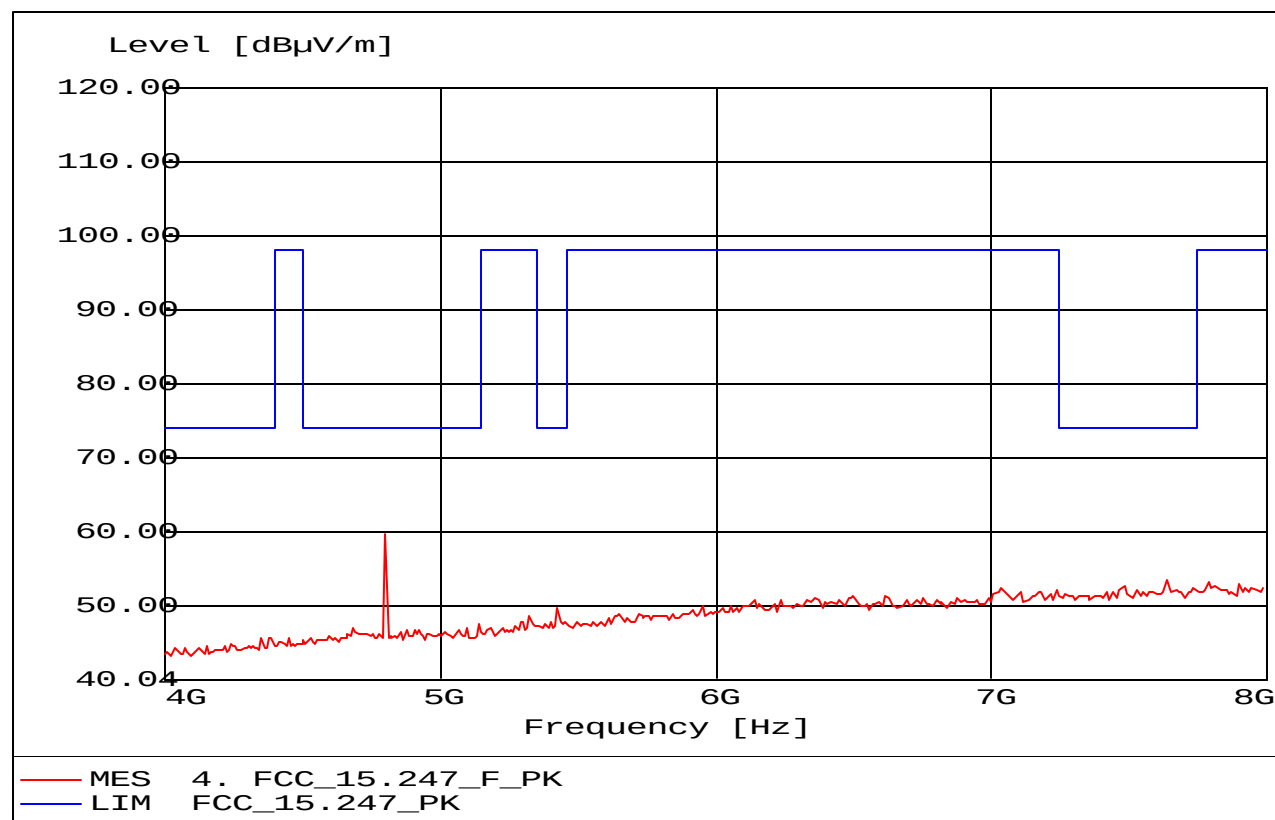
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 4.802GHz, Emax: 59.63dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

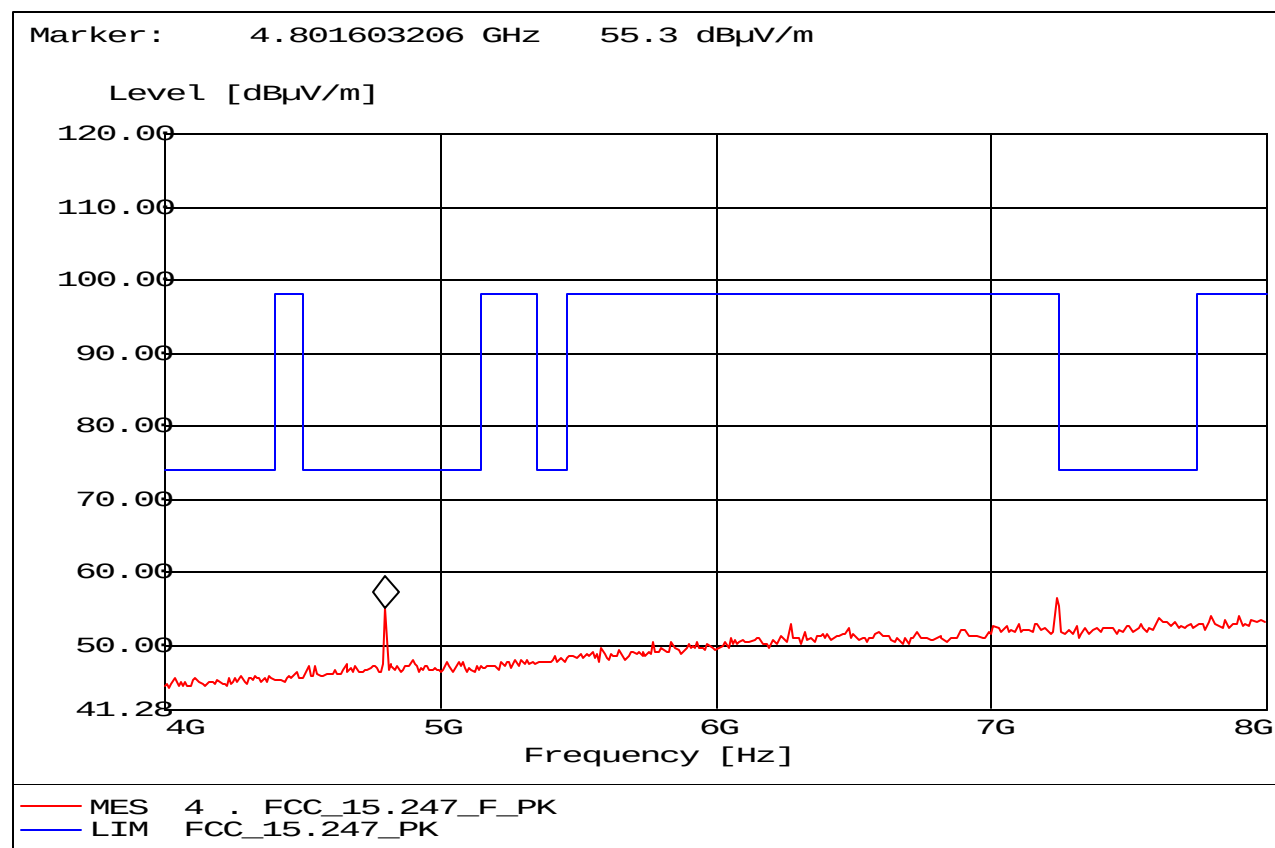
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.238GHz, Emax: 56.63dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

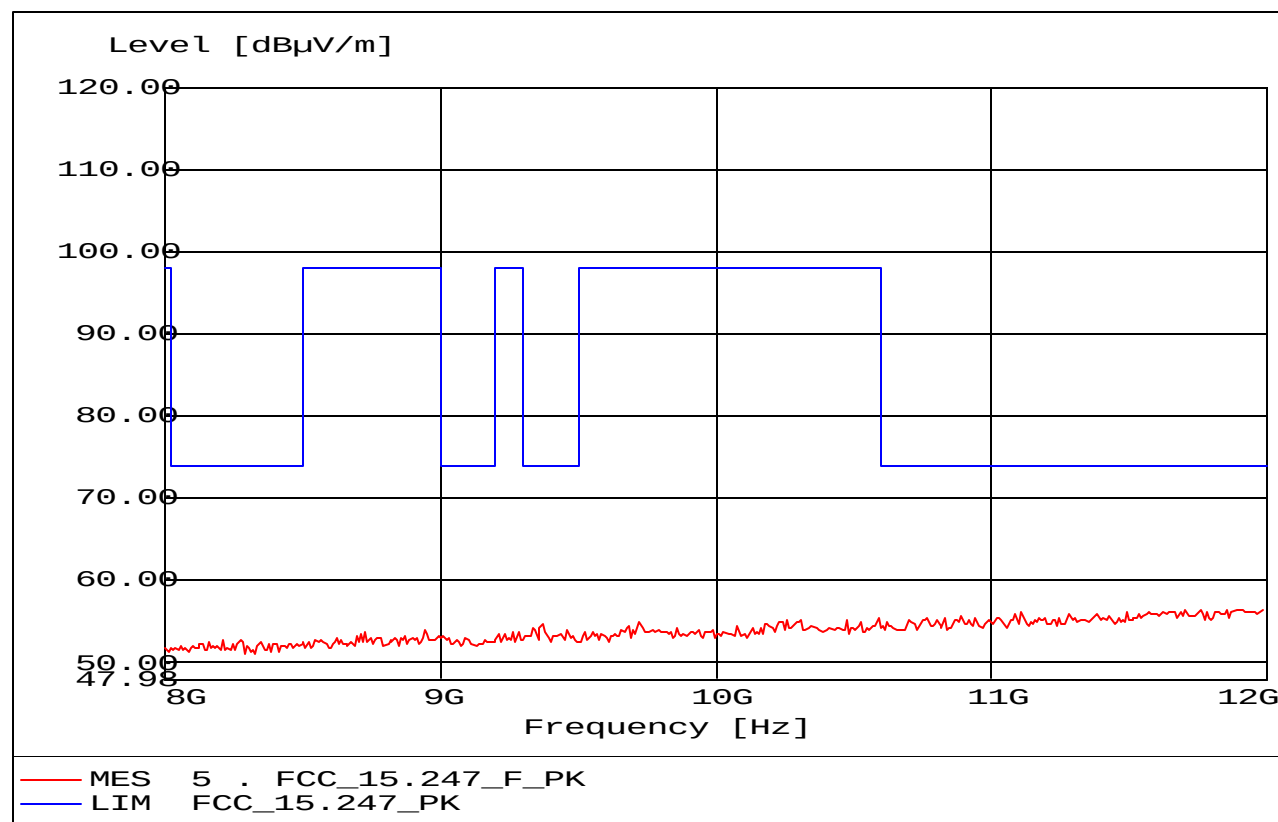
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 11.912GHz, E_{max} : 56.49dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

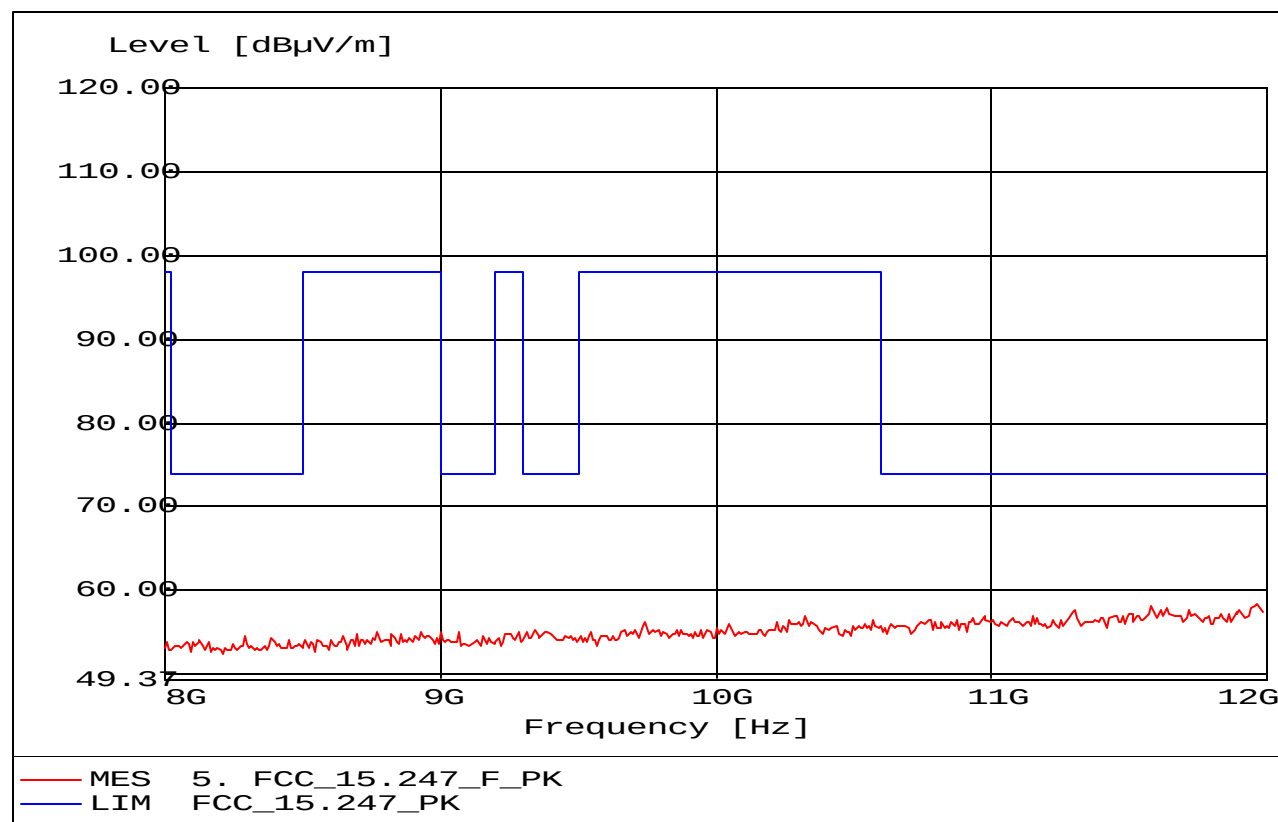
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.968GHz, **E_{max}:** 58.33dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

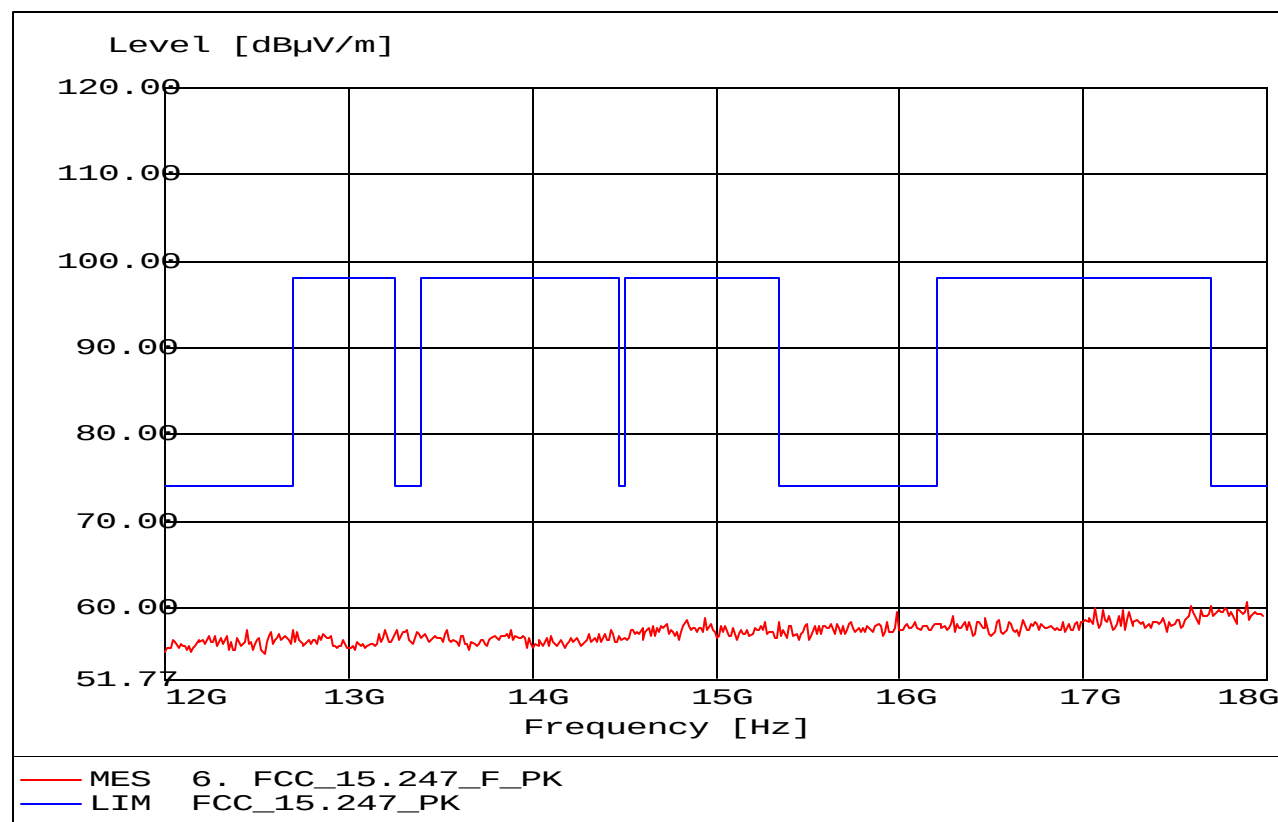
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.892GHz, Emax: 60.65dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 0 and Channel 1, continuous TX on

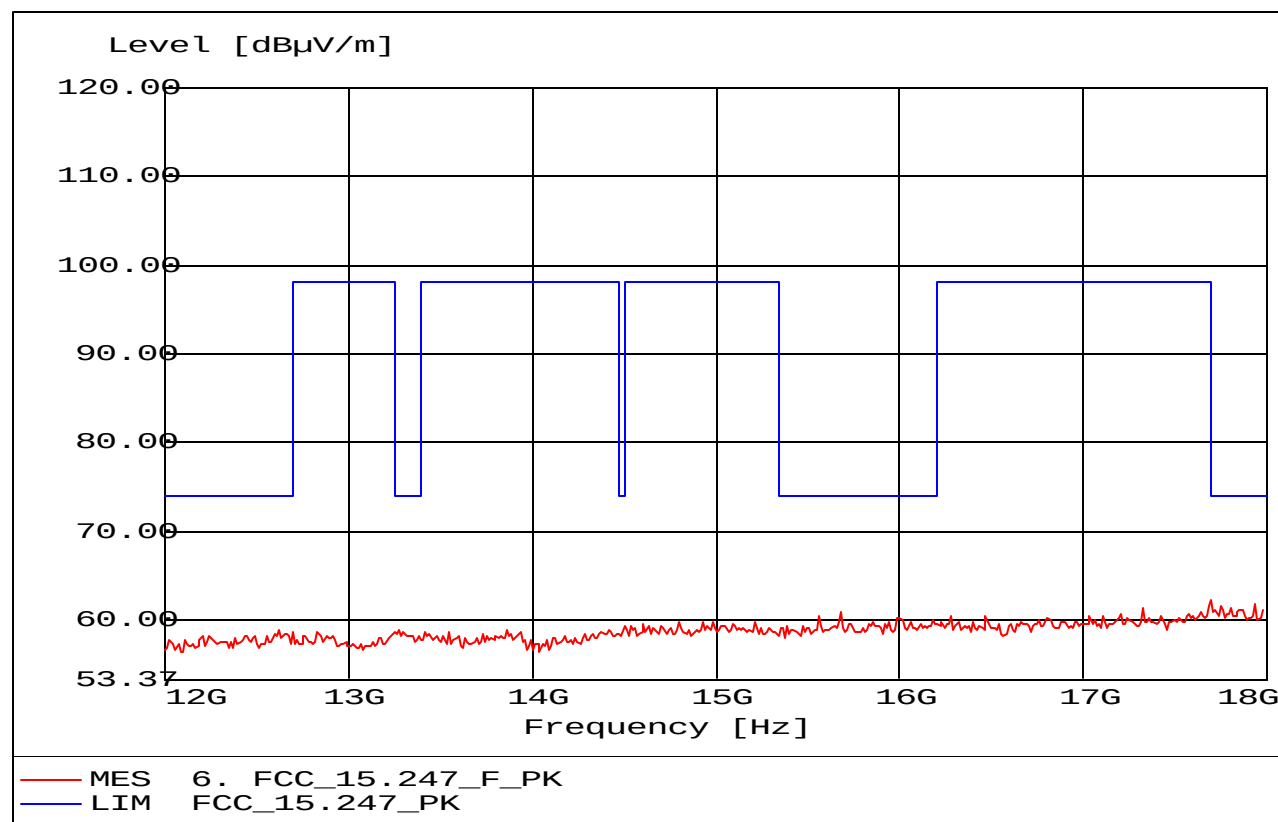
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.699GHz, Emax: 62.33dB $\mu\text{V}/\text{m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

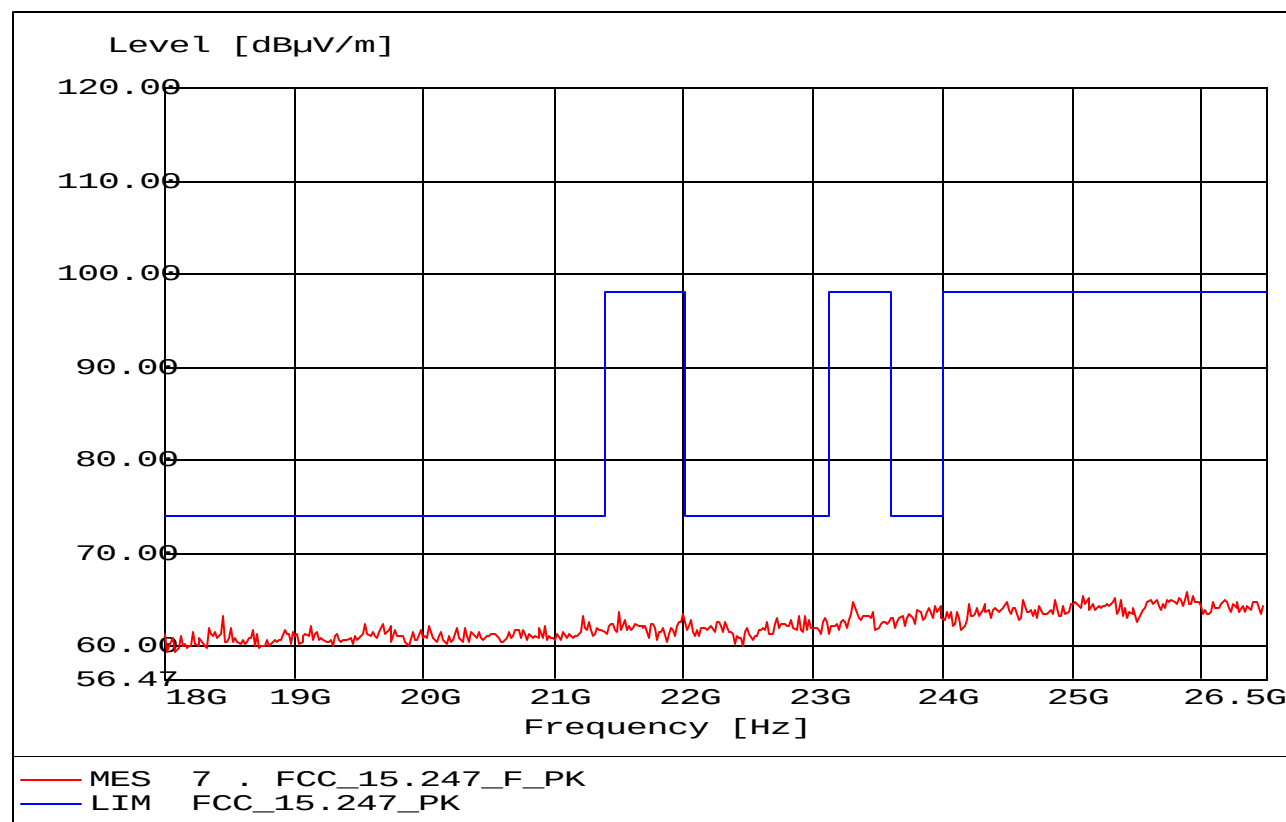
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 25.887GHz, Emax: 65.89dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

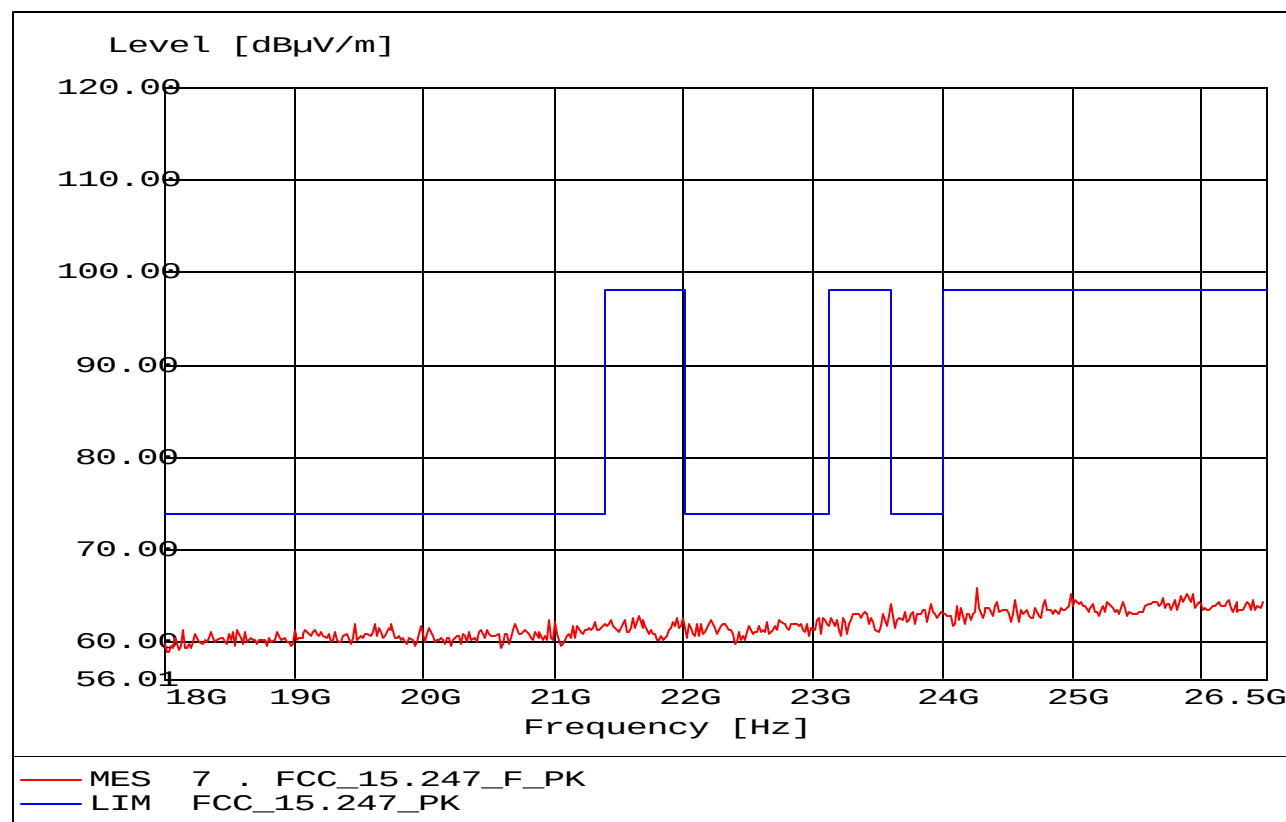
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 24.269GHz, Emax: 66.00dB μ V/m, RBW: 1MHz



2nd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 0 and Channel 1, continuous TX on

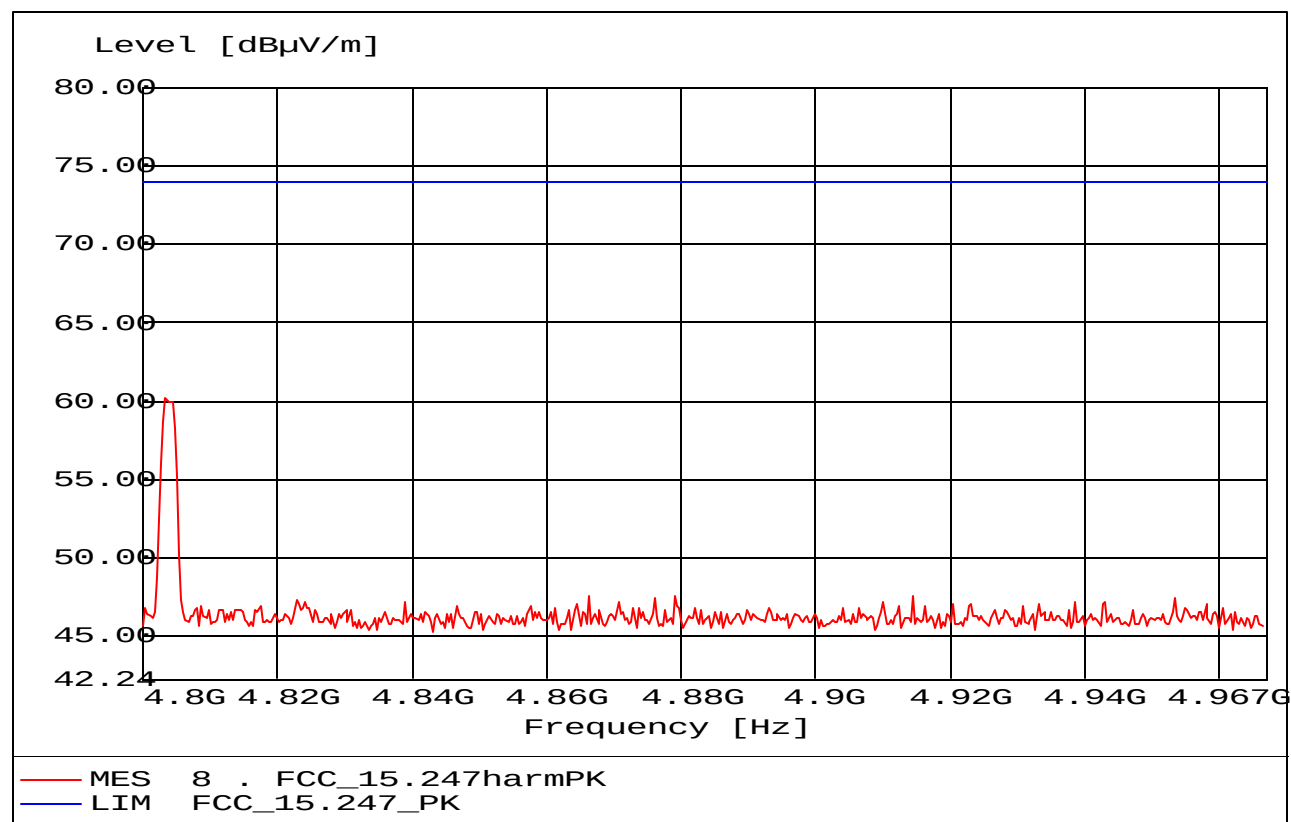
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

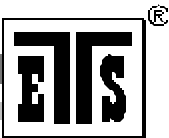
Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

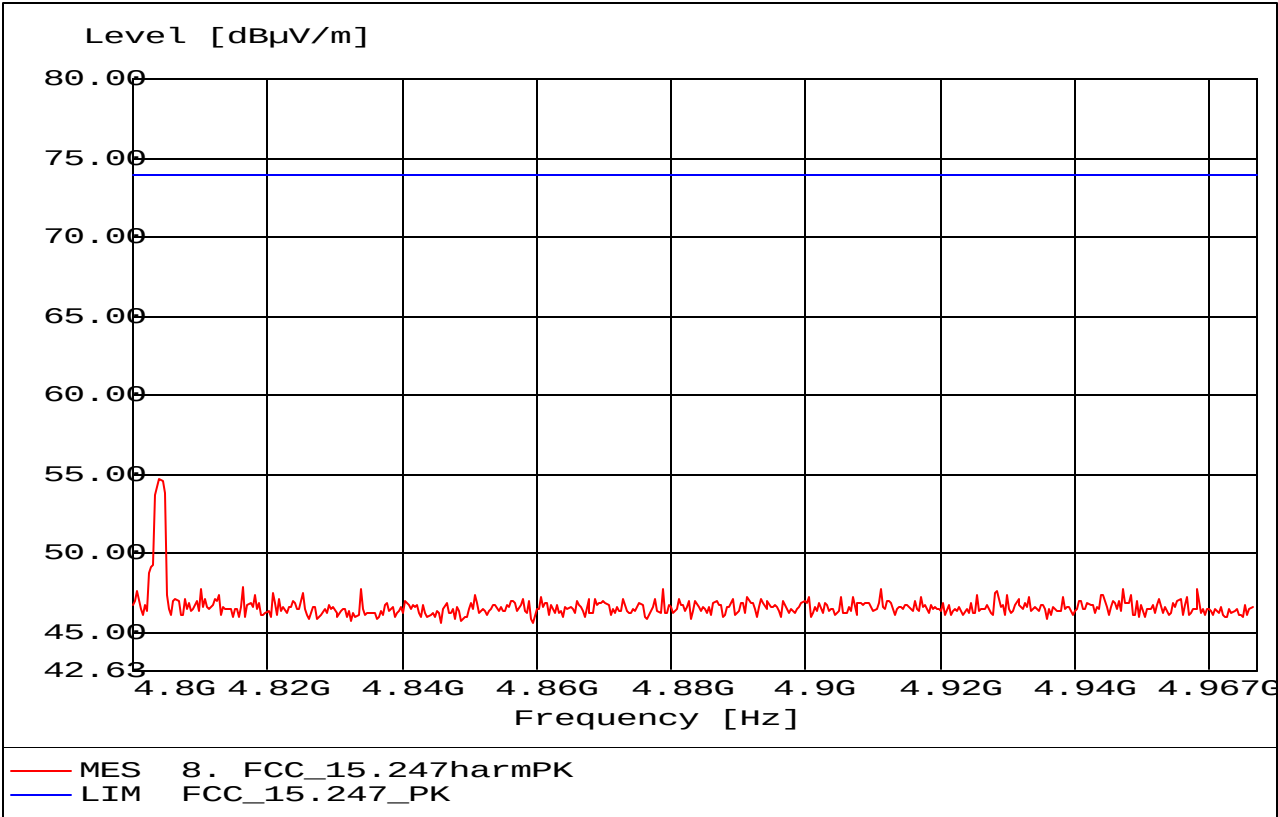
Freq: 4.803GHz, Emax: 60.18dB $\mu\text{V/m}$, RBW: 1MHz





2nd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500
Manufacturer : Hand Held Products, Inc.
EUT Setings: Channel 0 and Channel 1, continuous TX on
Operating Condition: t nom=22°C Internal battery
Test Site / Operator: ETS / Mr. Schultze
Test Specification: according to §15.35, Limit 20 dB up (peak detector)
Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical
Freq: 4.804GHz, Emax: 54.74dBµV/m, RBW: 1MHz



3rd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

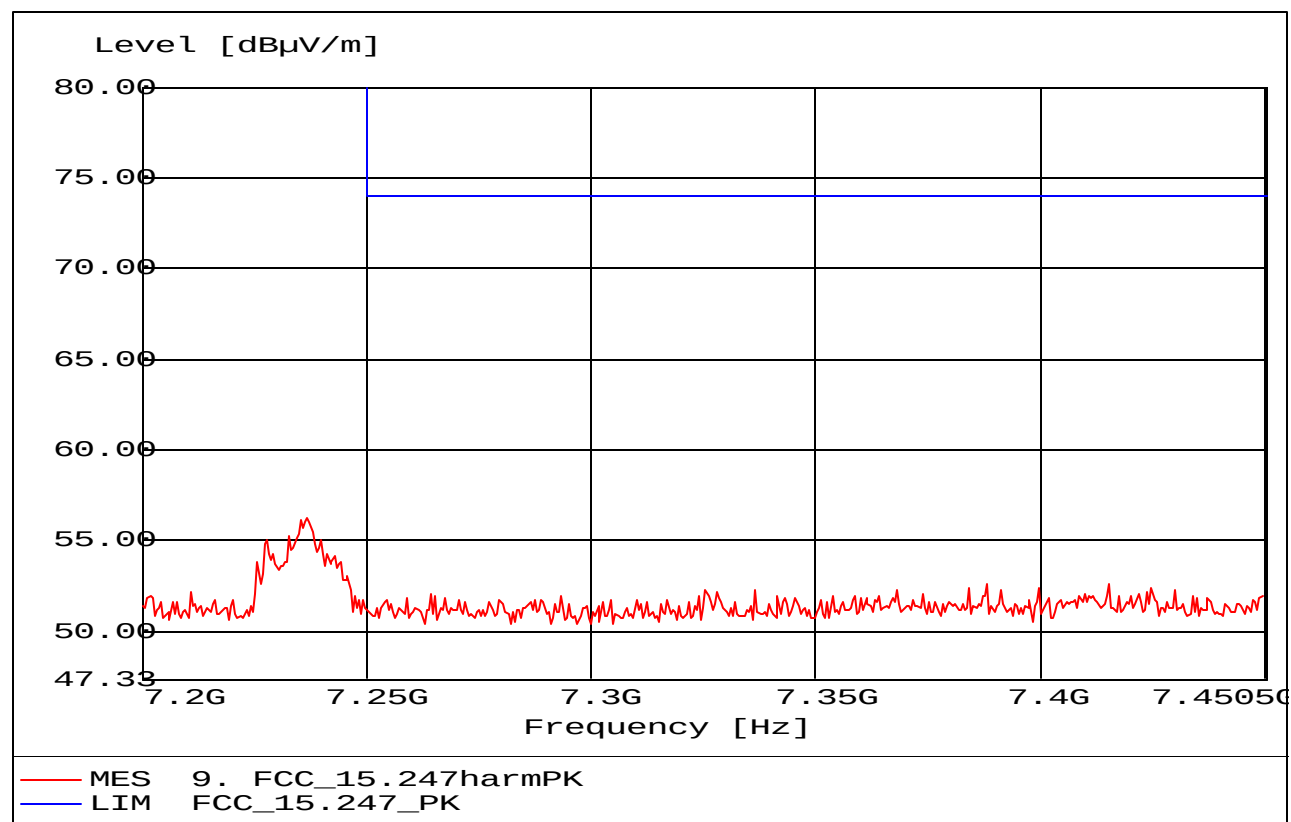
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.237GHz, Emax: 56.19dBµV/m, RBW: 1MHz



Radiated Maximum Peak Power
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

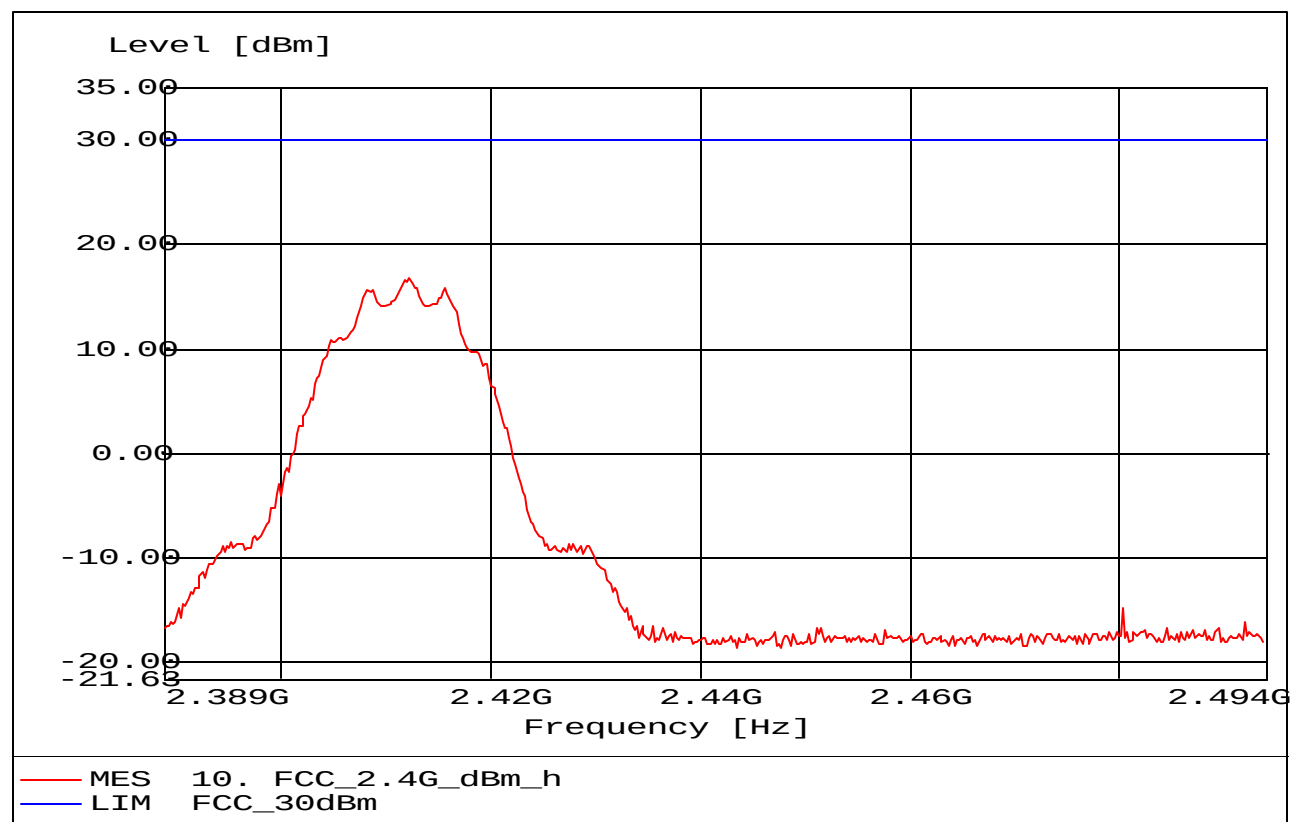
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HL025 horizontal

Freq: 2.412GHz, P_{max} : 16.75dBm, RBW: 5MHz



Mid channel average measurements

Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

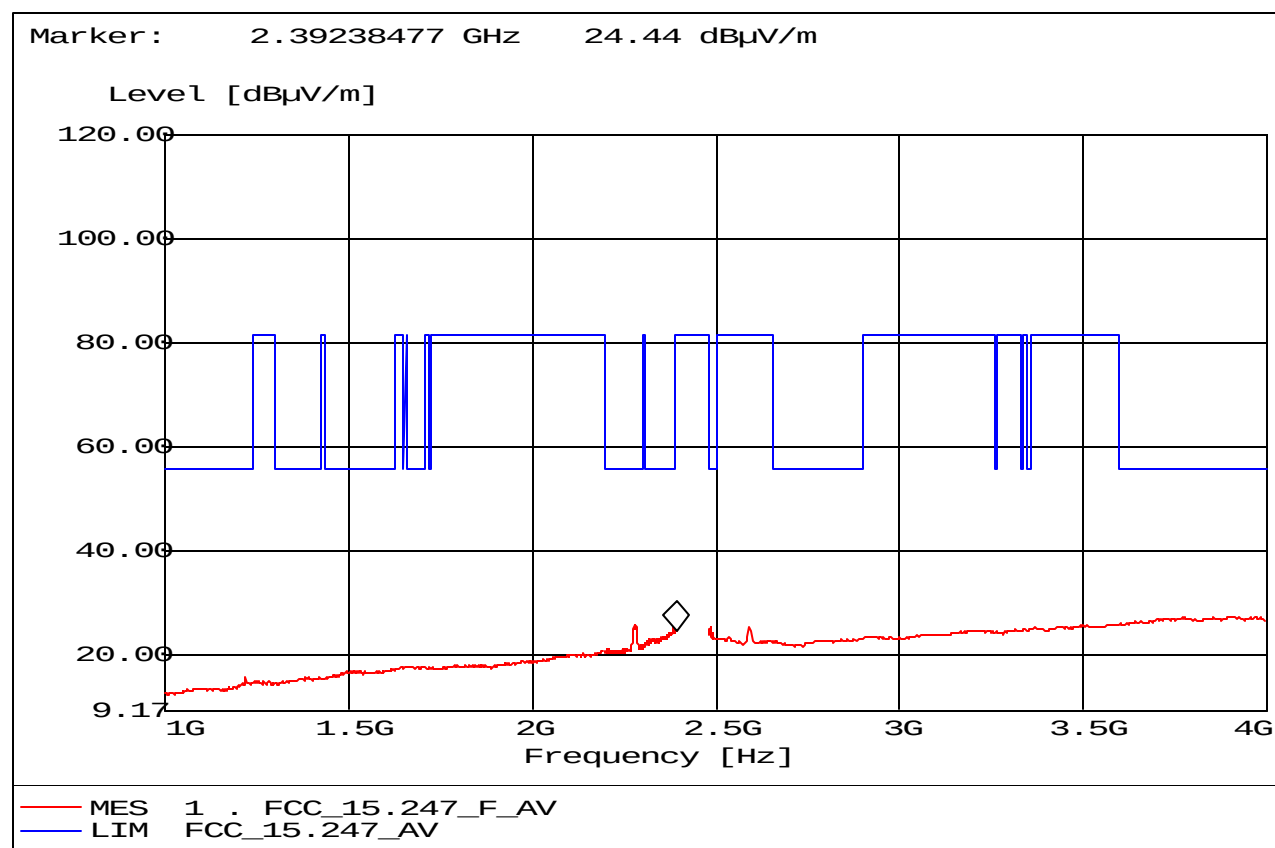
EUT Settins: Channel 39 and Channel 6, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 2.399GHz, Emax: 28.09dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

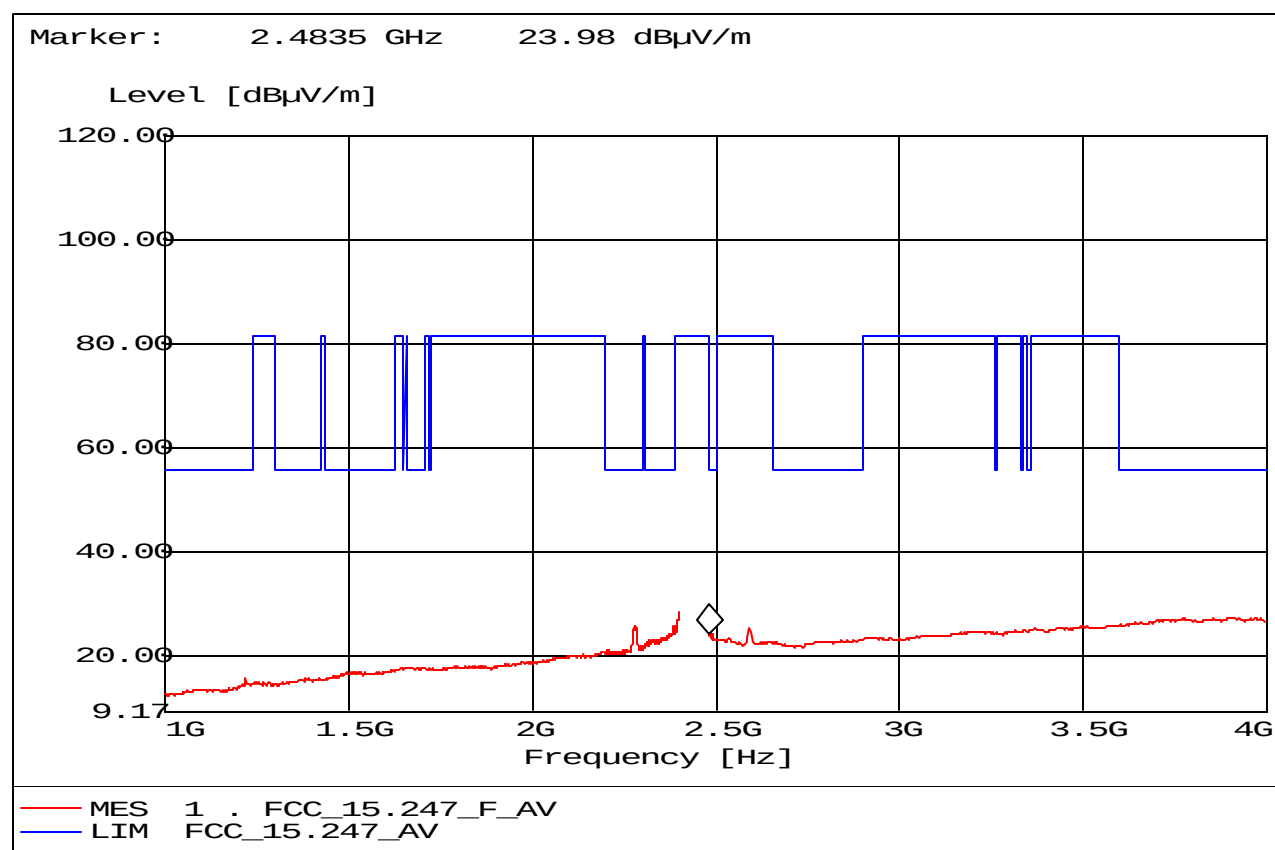
EUT Setings: Channel 39 and Channel 6, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 2.399GHz, Emax: 28.09dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

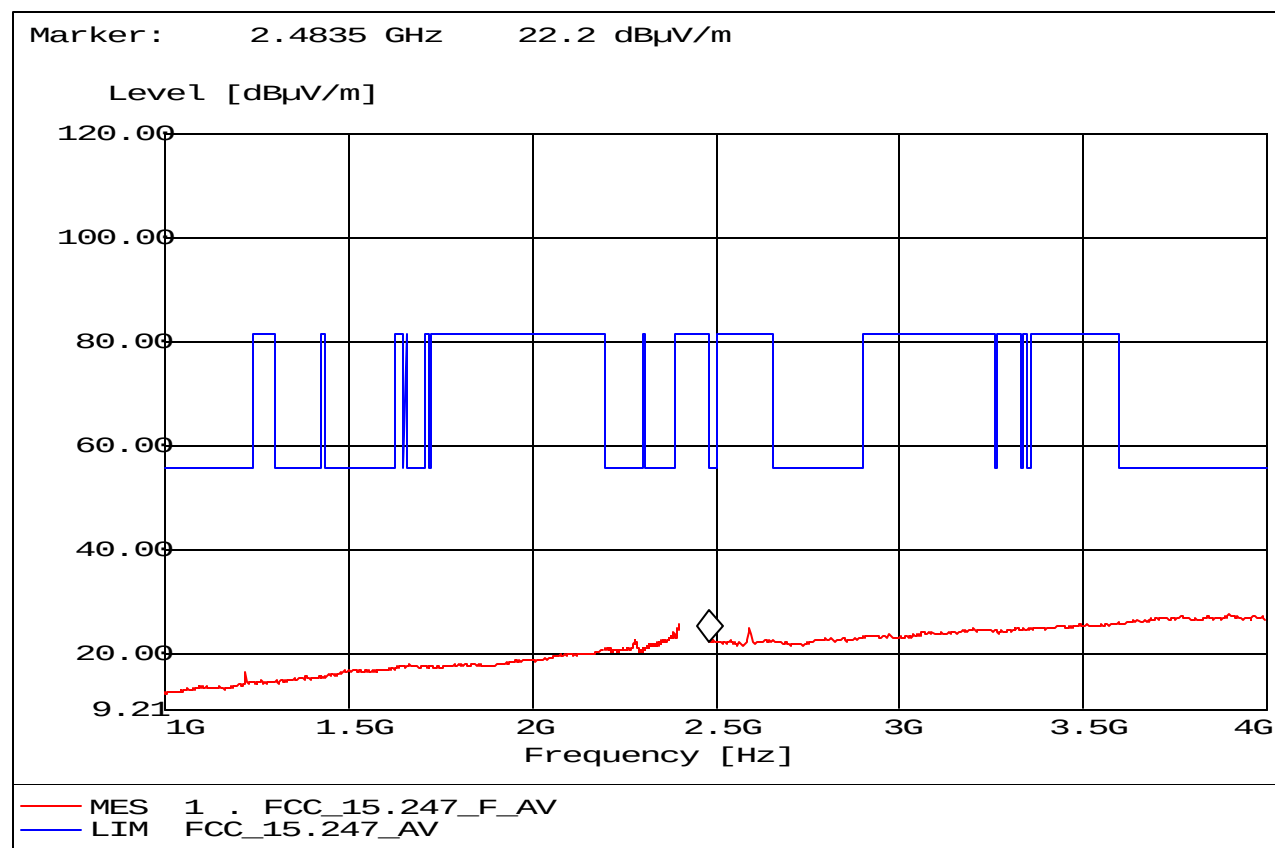
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.897GHz, **E_{max}:** 27.39dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

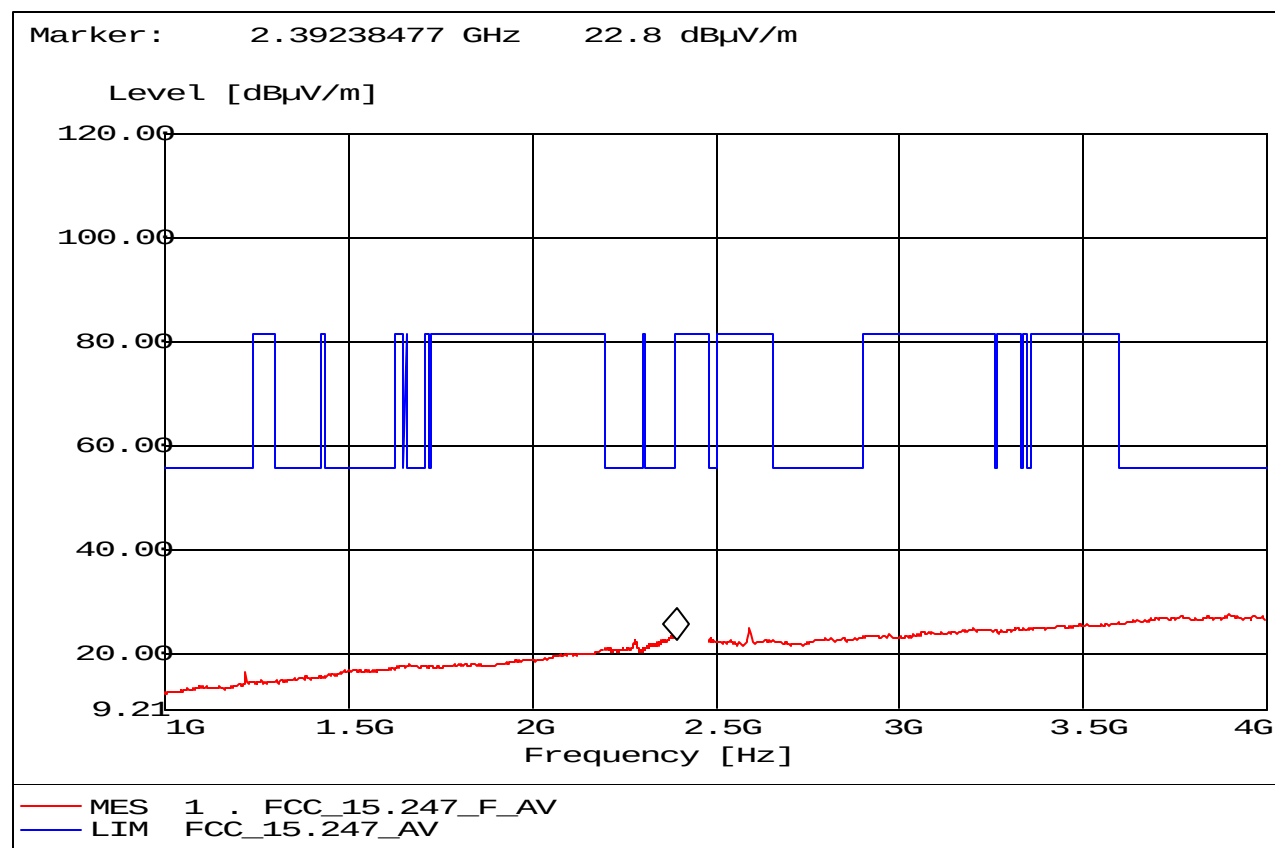
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.897GHz, **E_{max}:** 27.39dBμV/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

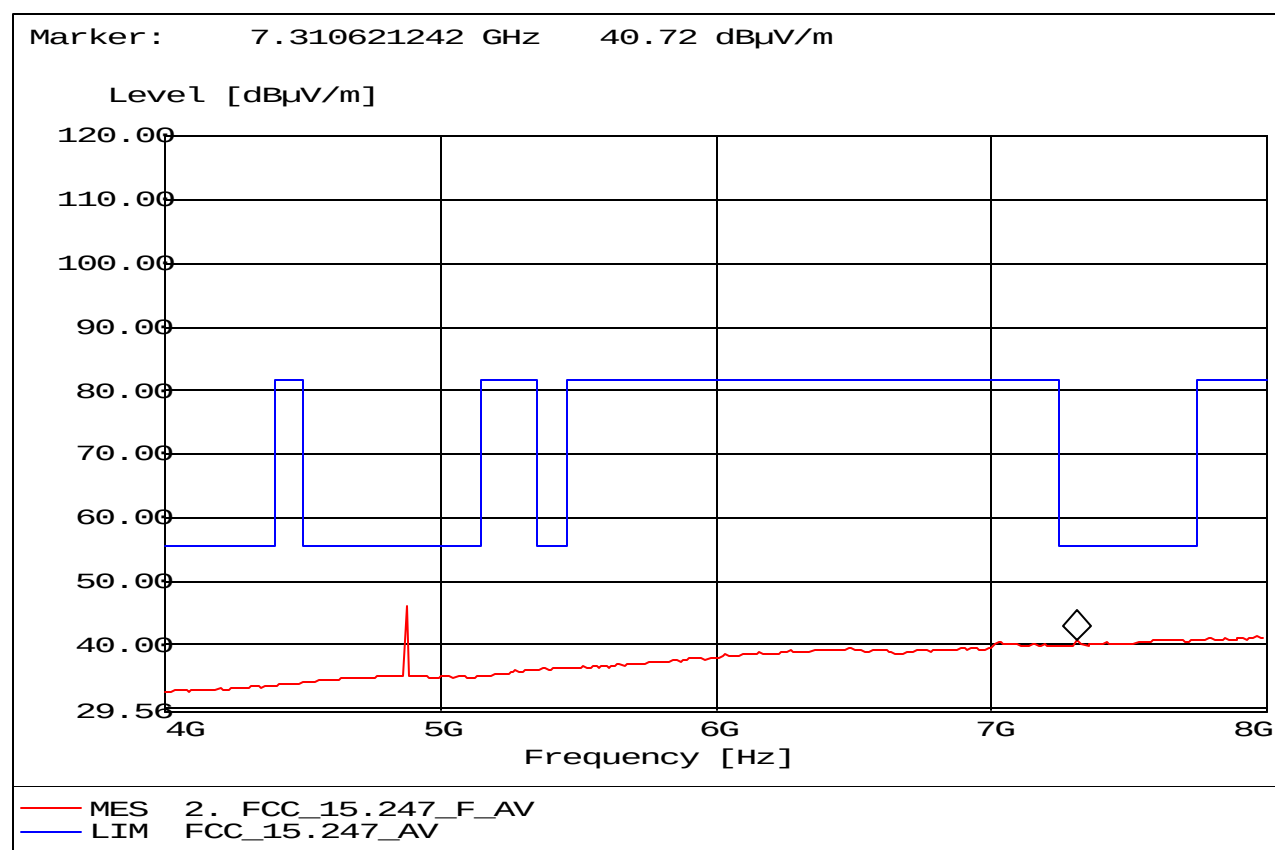
EUT Setings: Channel 39 and Channel 6, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 4.882GHz, Emax: 46.18dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

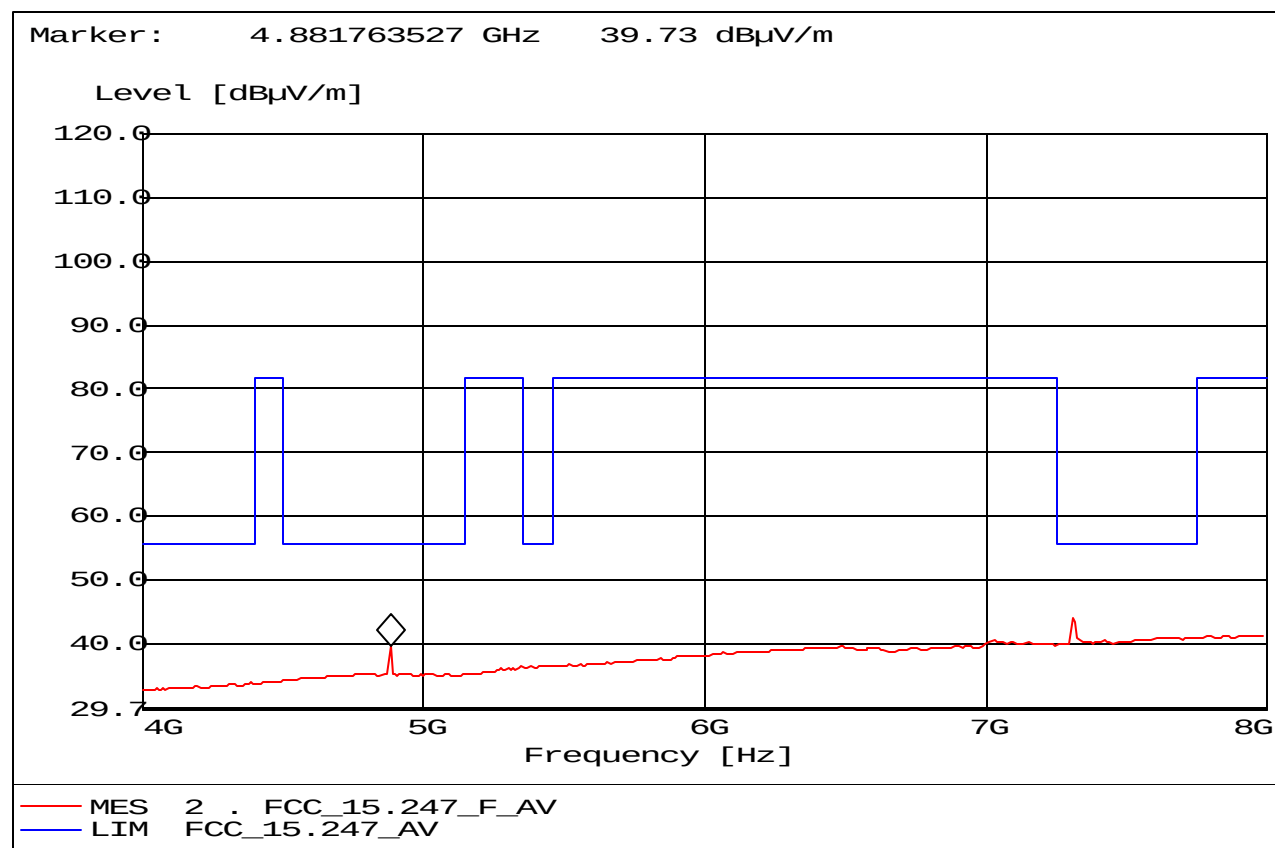
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.311GHz, Emax: 44.04dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

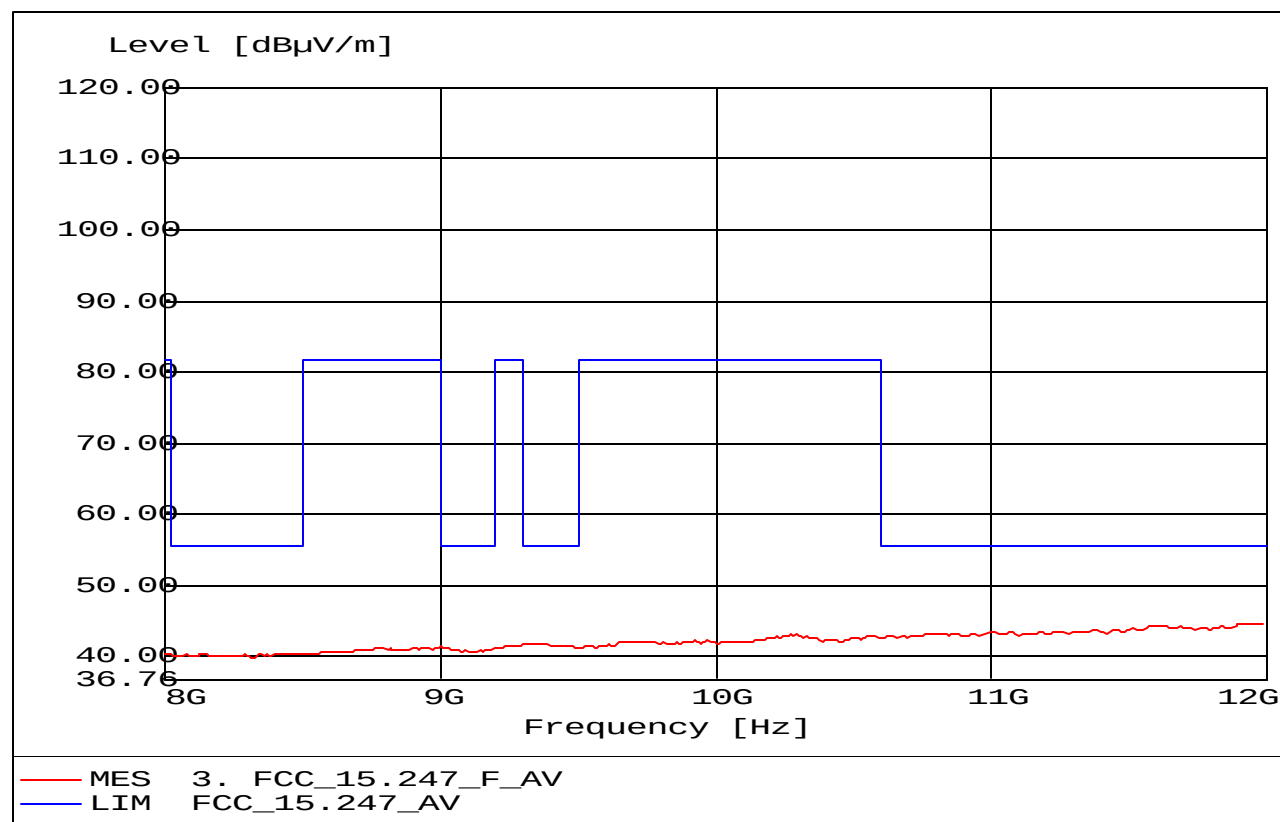
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 11.960GHz, **E_{max}:** 44.64dB μ V/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 39 and Channel 6, continuous TX on

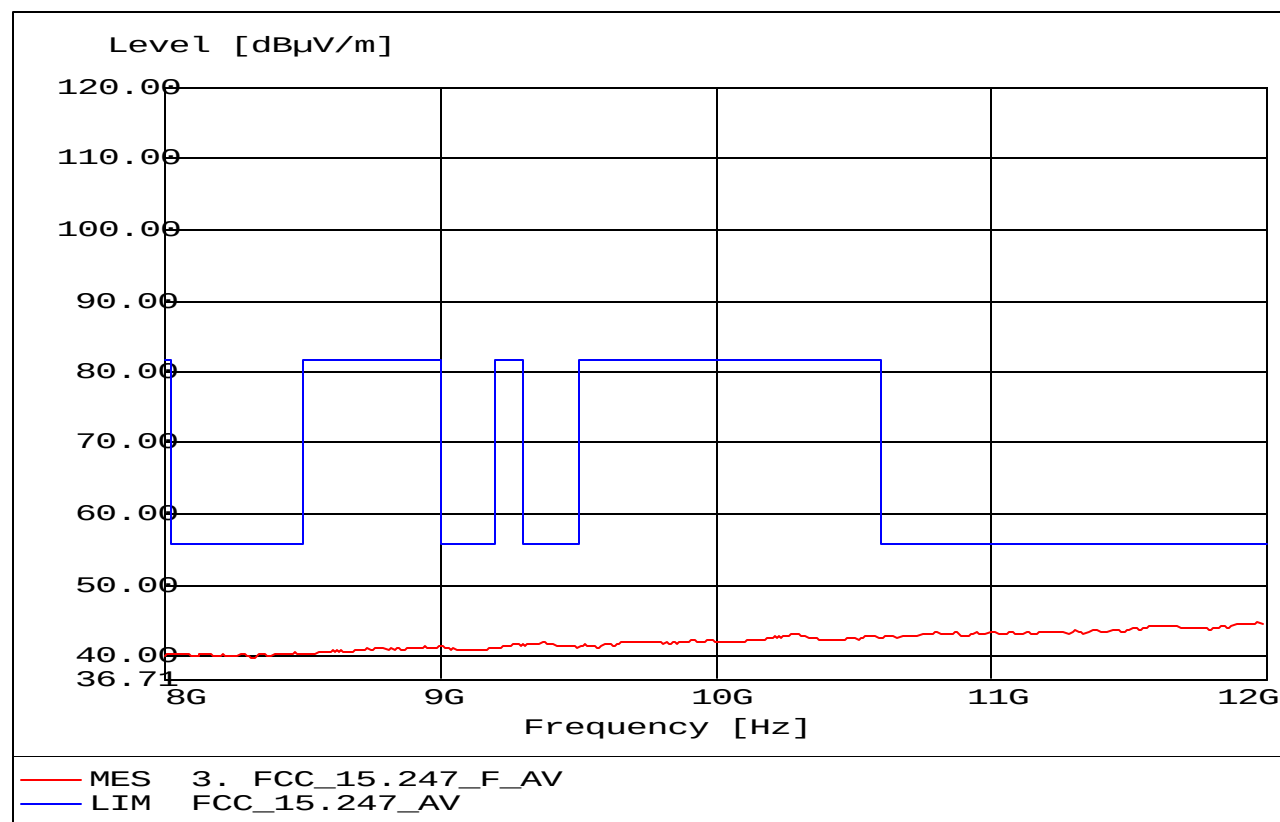
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.968GHz, **E_{max}:** 44.66dB μ V/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

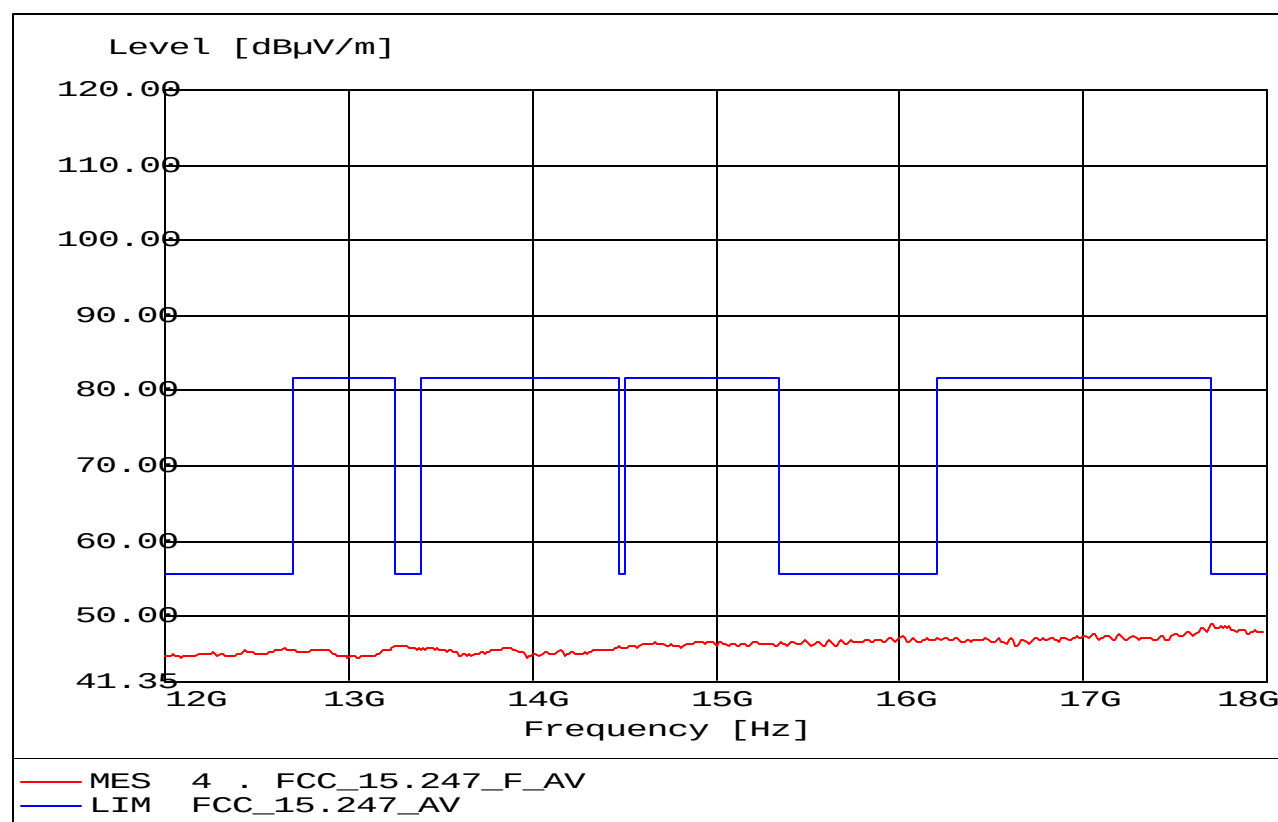
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.699GHz, **E_{max}:** 49.04dBμV/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

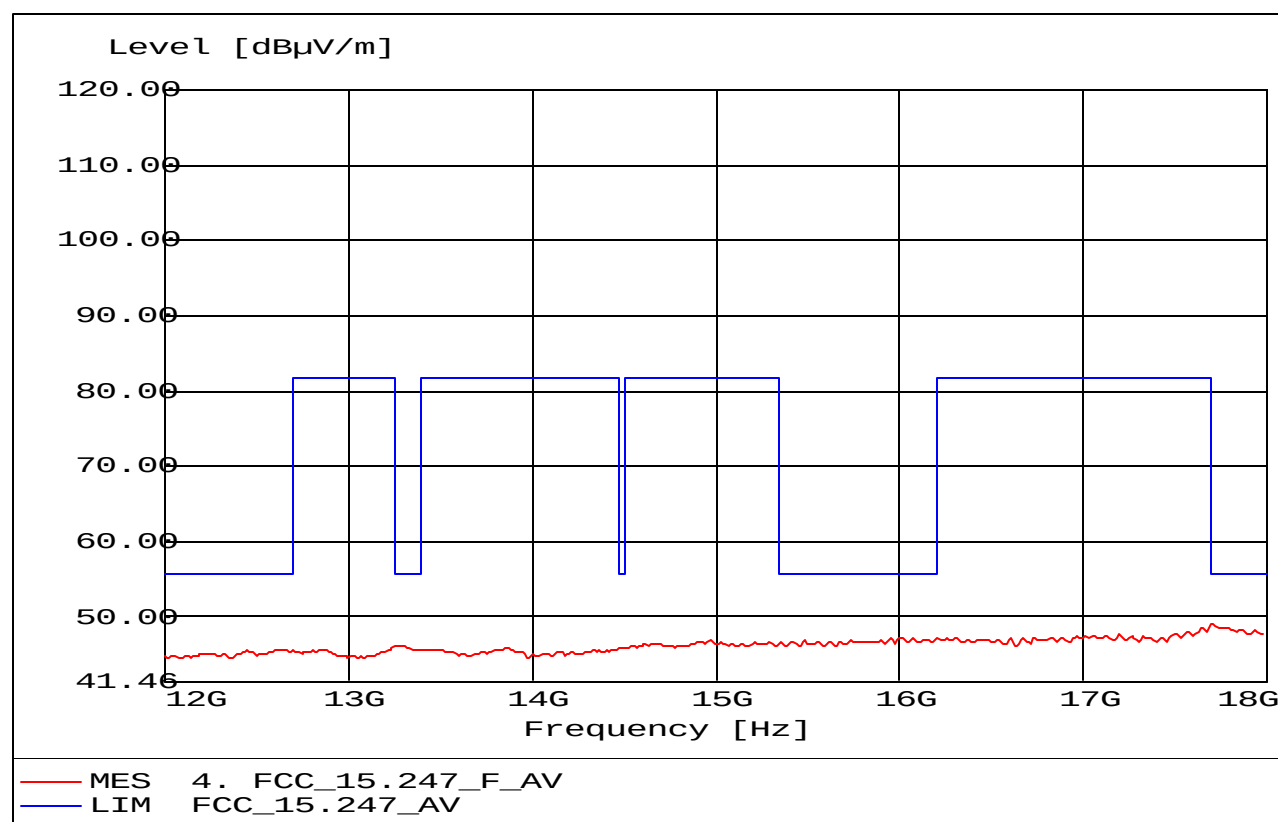
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.699GHz, **E_{max}:** 49.11dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

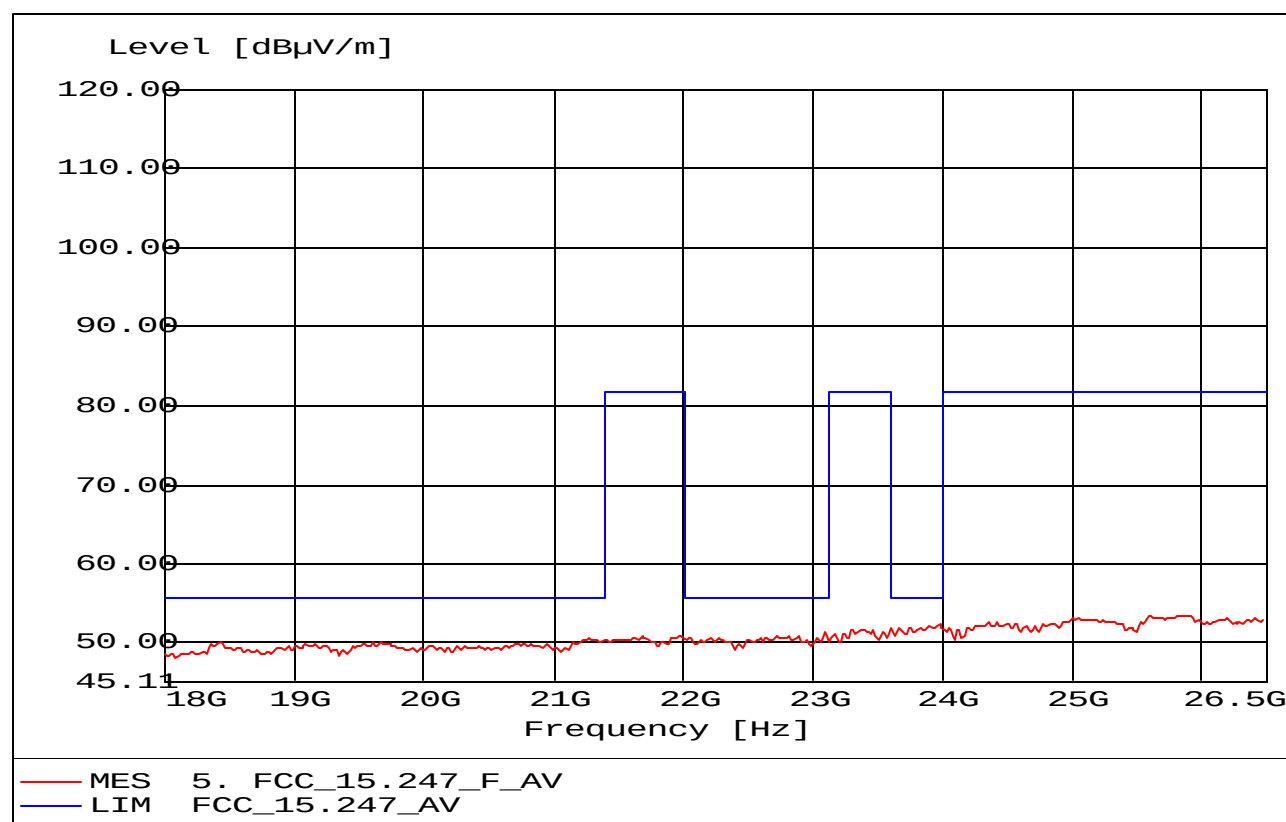
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 25.853GHz, Emax: 53.34dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

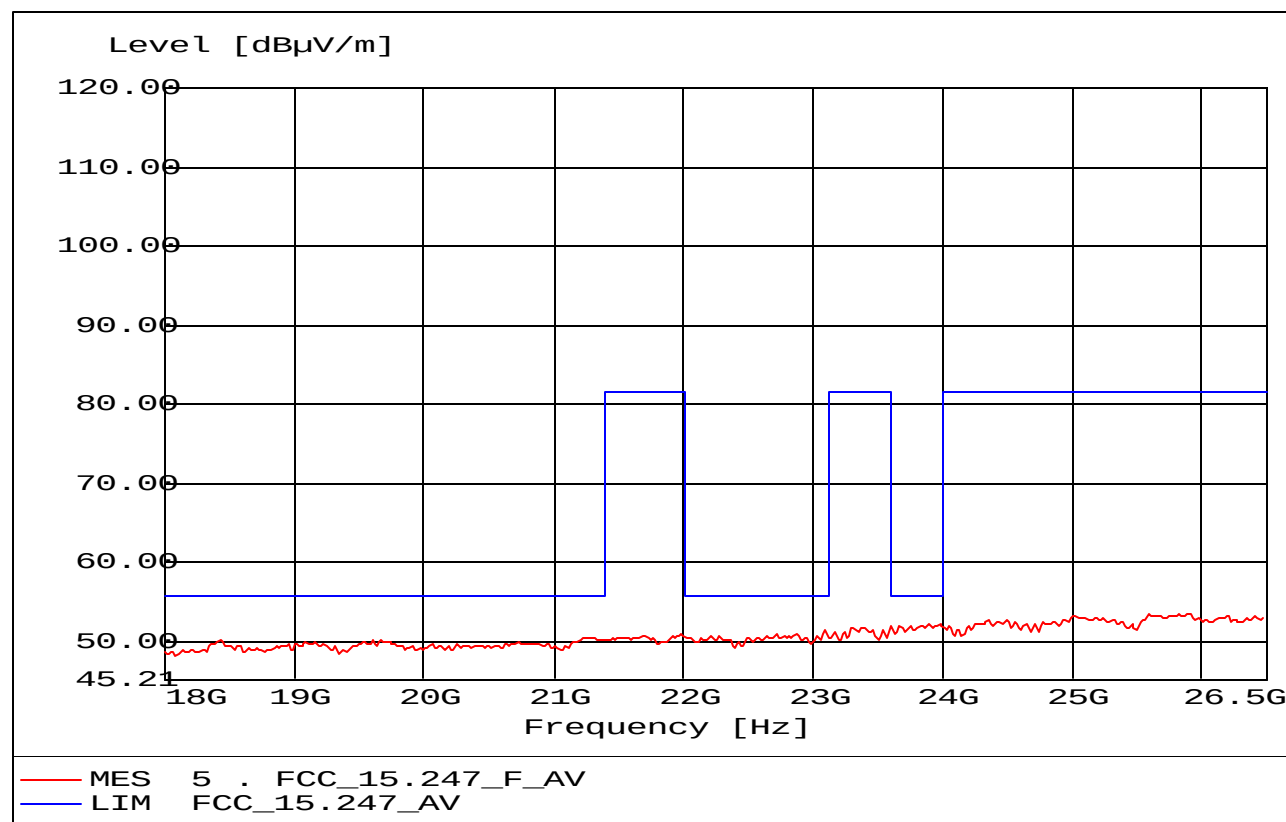
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 25.597GHz, Emax: 53.52dB μ V/m, RBW: 1MHz



Signal Fieldstrength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

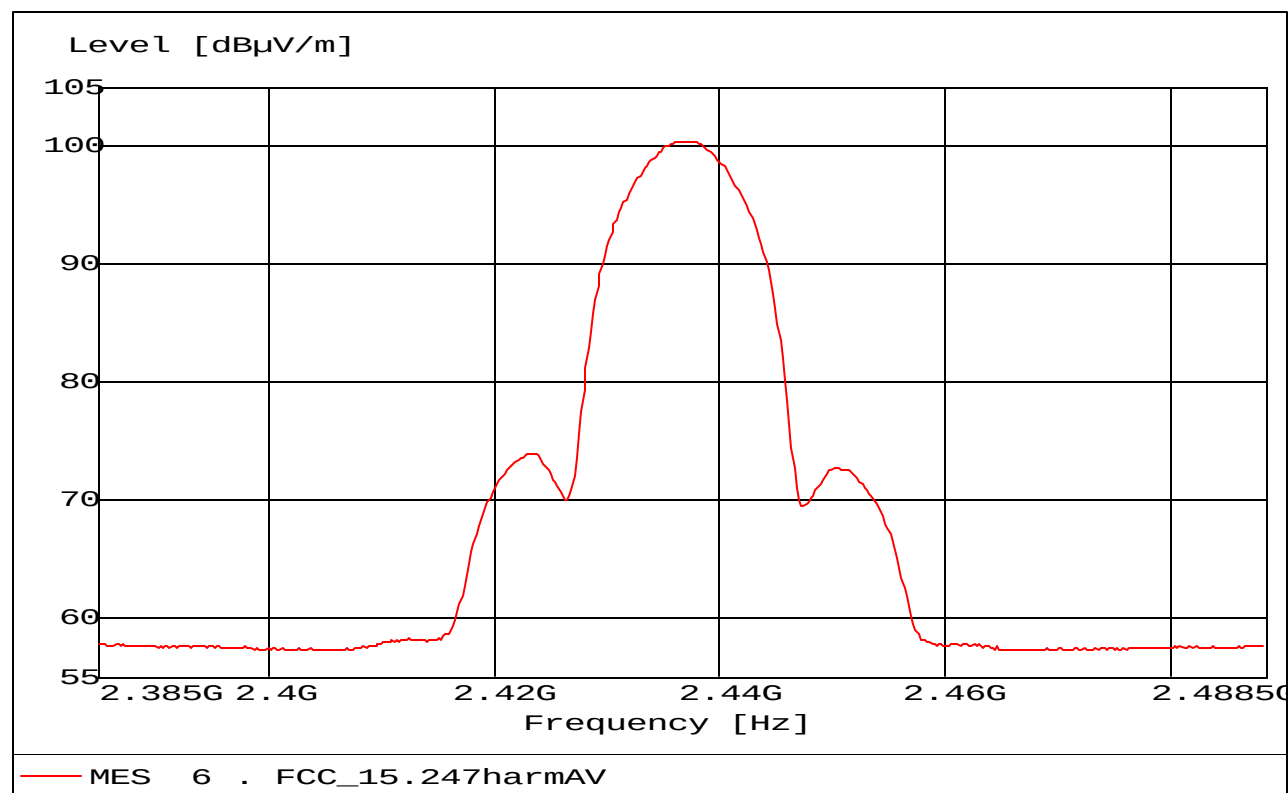
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Ant.: HL025 vertical

Freq: 2.437GHz, **E_{max}:** 100.43dBμV/m, **RBW:** 1MHz



2nd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

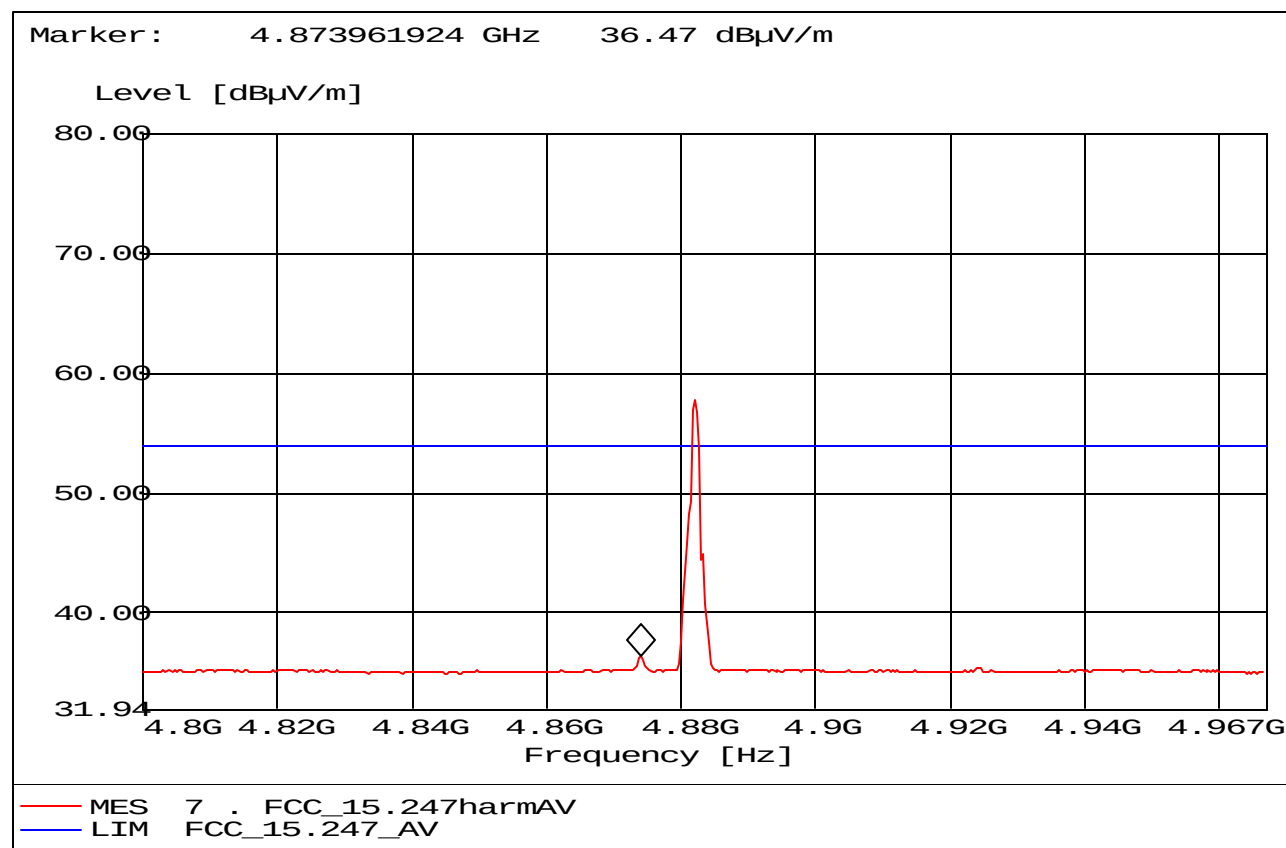
EUT Setings: Channel 39 and Channel 6, continuous TX on

Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 4.882GHz, Emax: 57.83dBµV/m, RBW: 1MHz



2nd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

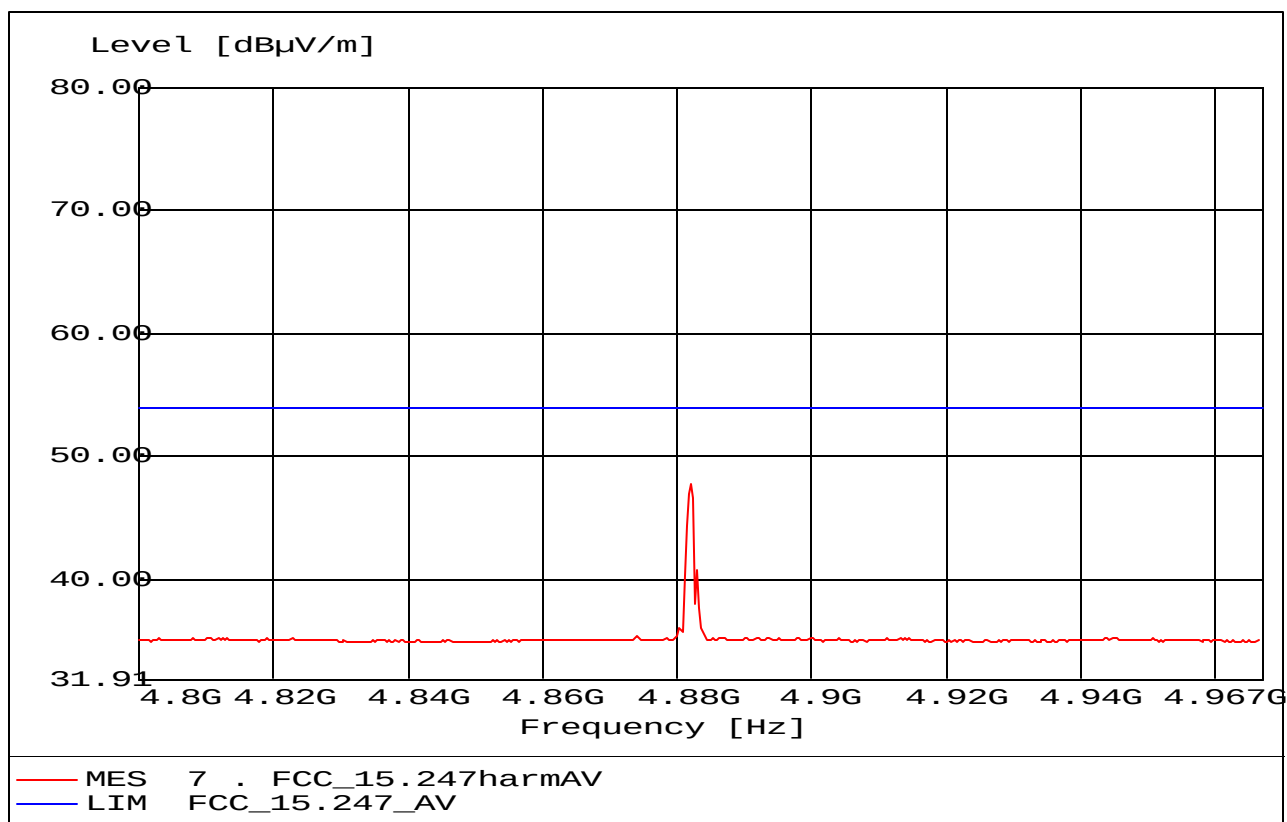
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 4.882GHz, **E_{max}:** 47.75dBμV/m, **RBW:** 1MHz



3rd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

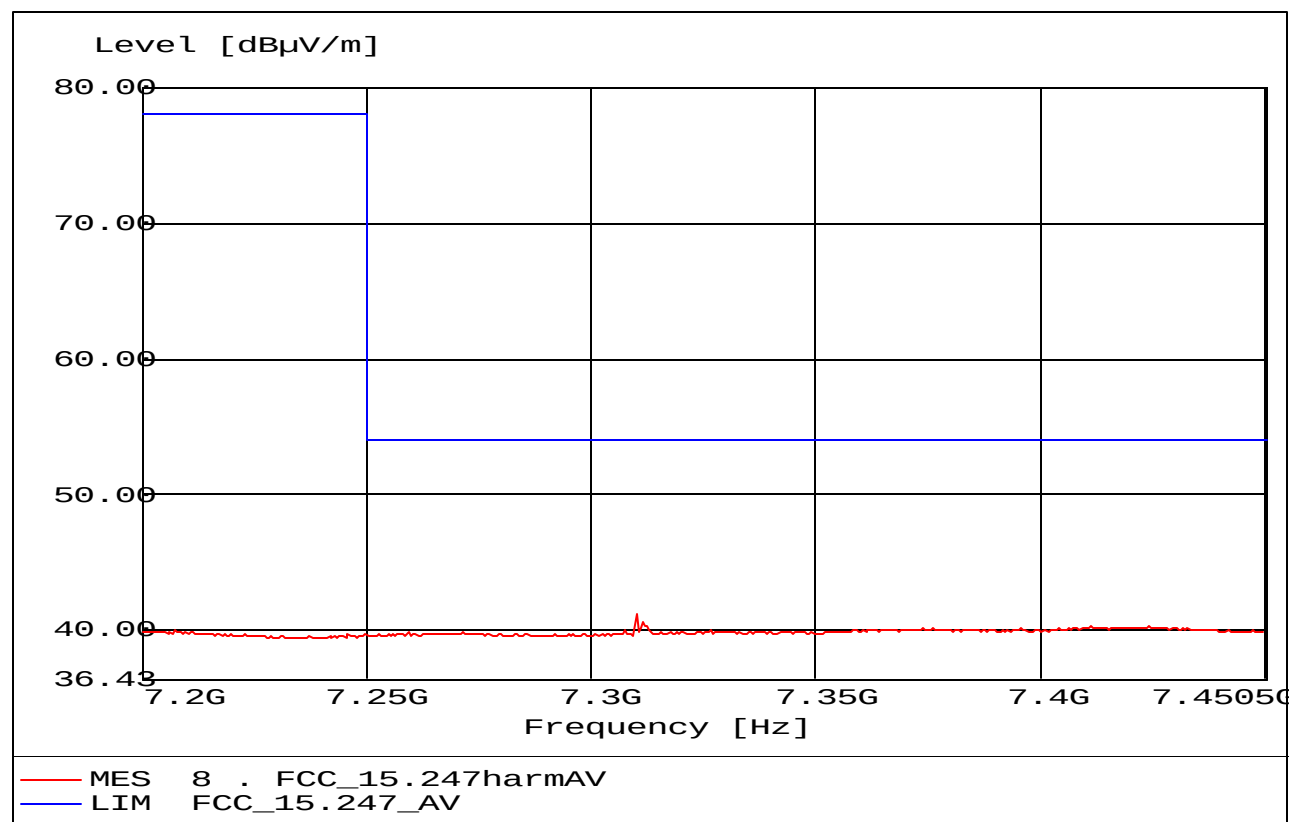
EUT Setings: Channel 39 and Channel 6, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 7.310GHz, Emax: 41.28dB μ V/m, RBW: 1MHz



3rd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

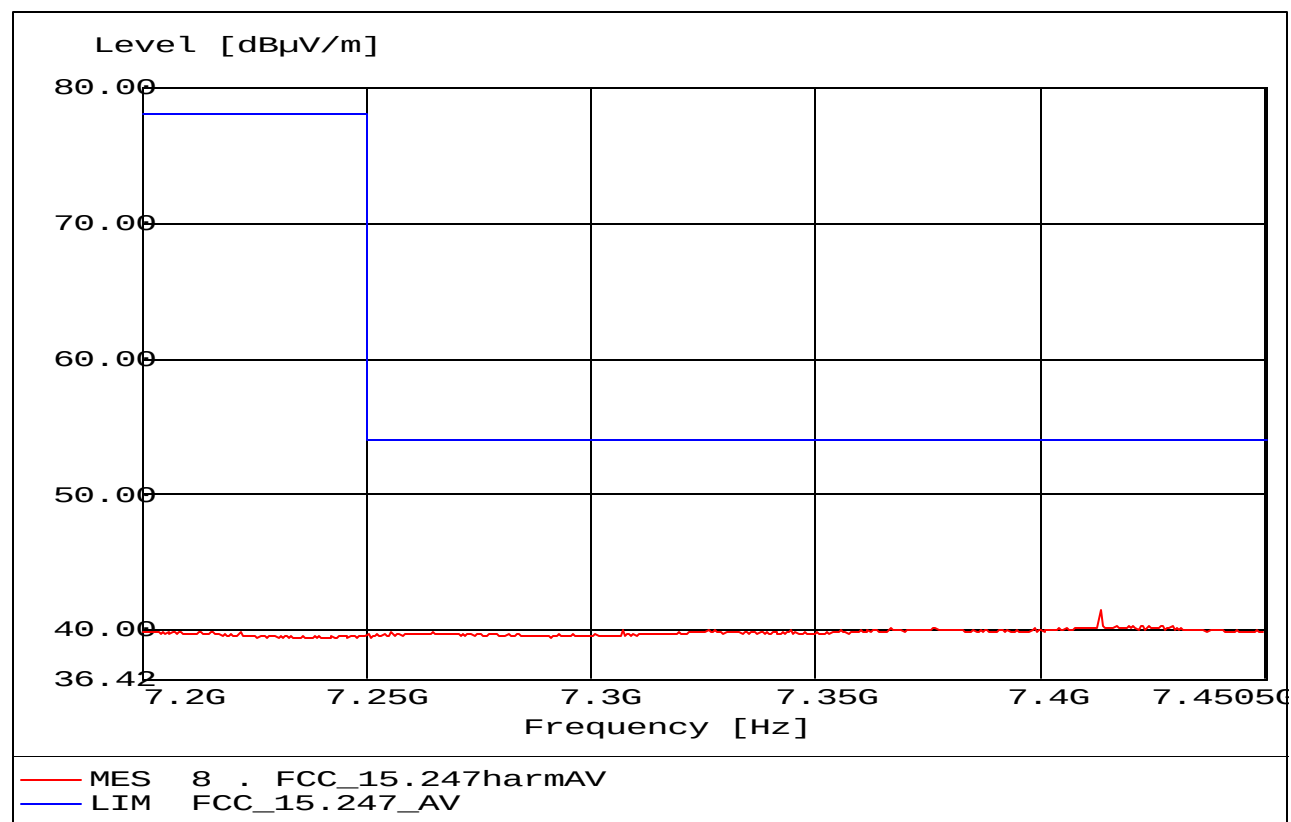
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.413GHz, Emax: 41.45dB μ V/m, RBW: 1MHz



Mid channel peak measurements

Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 39 and Channel 6, continuous TX on

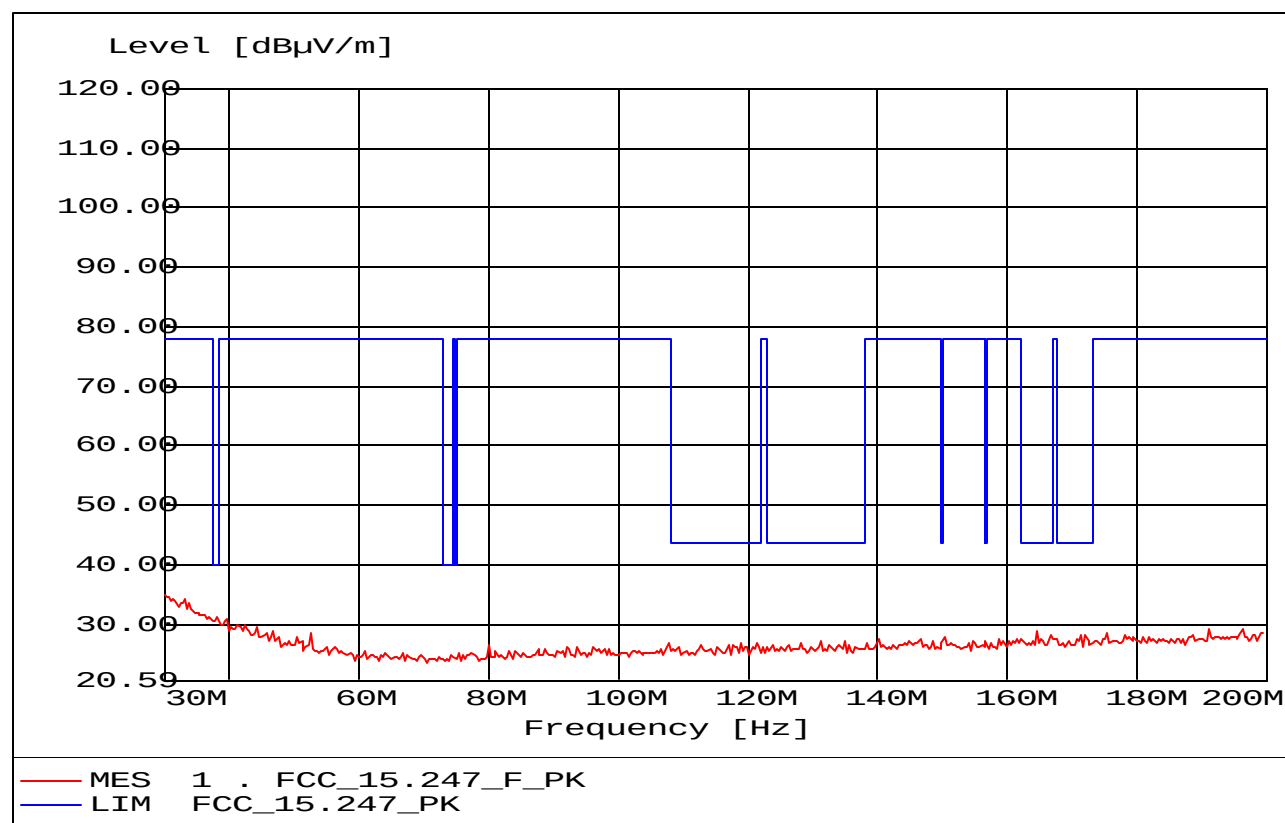
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HK116 horizontal

Freq: 30.000MHz, Emax: 35.03dBμV/m, RBW: 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

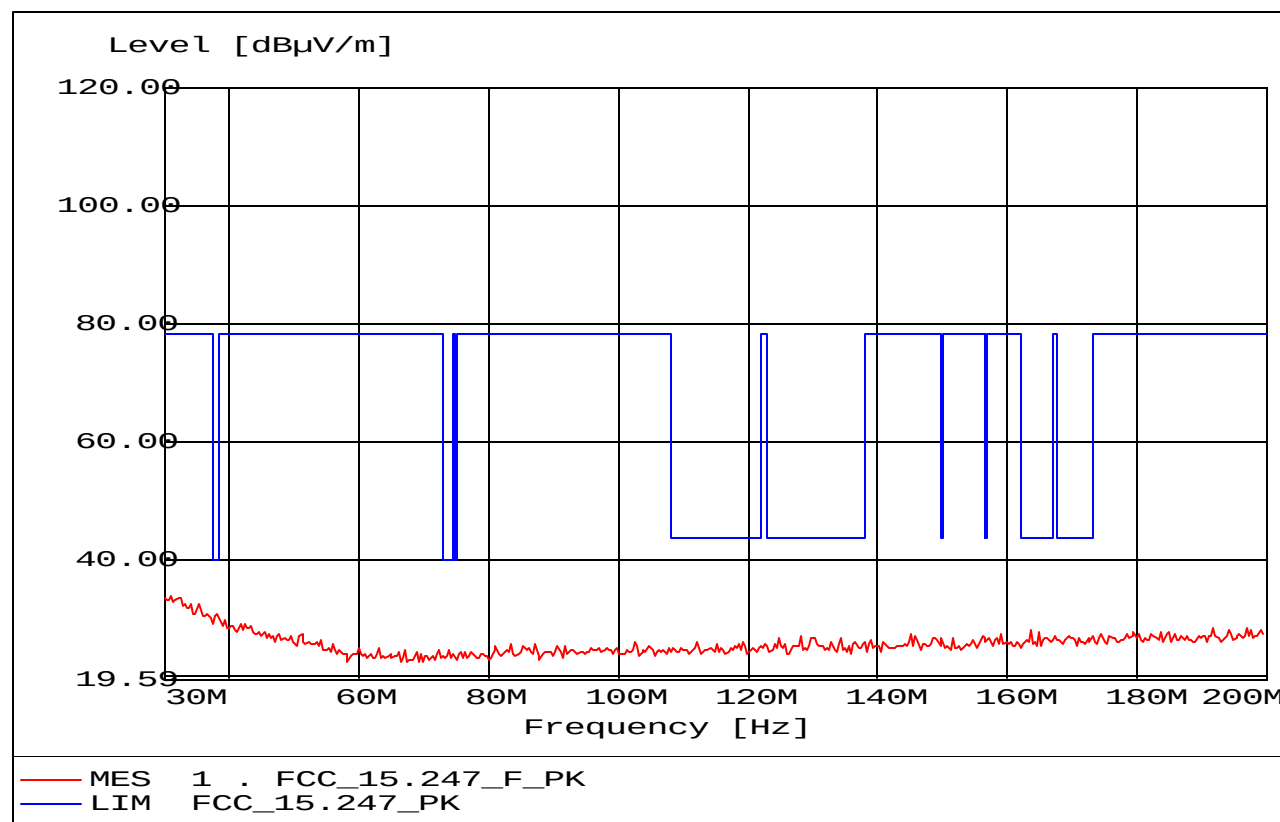
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HK116 vertical

Freq: 31.022MHz, **E_{max}:** 33.78dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 39 and Channel 6, continuous TX on

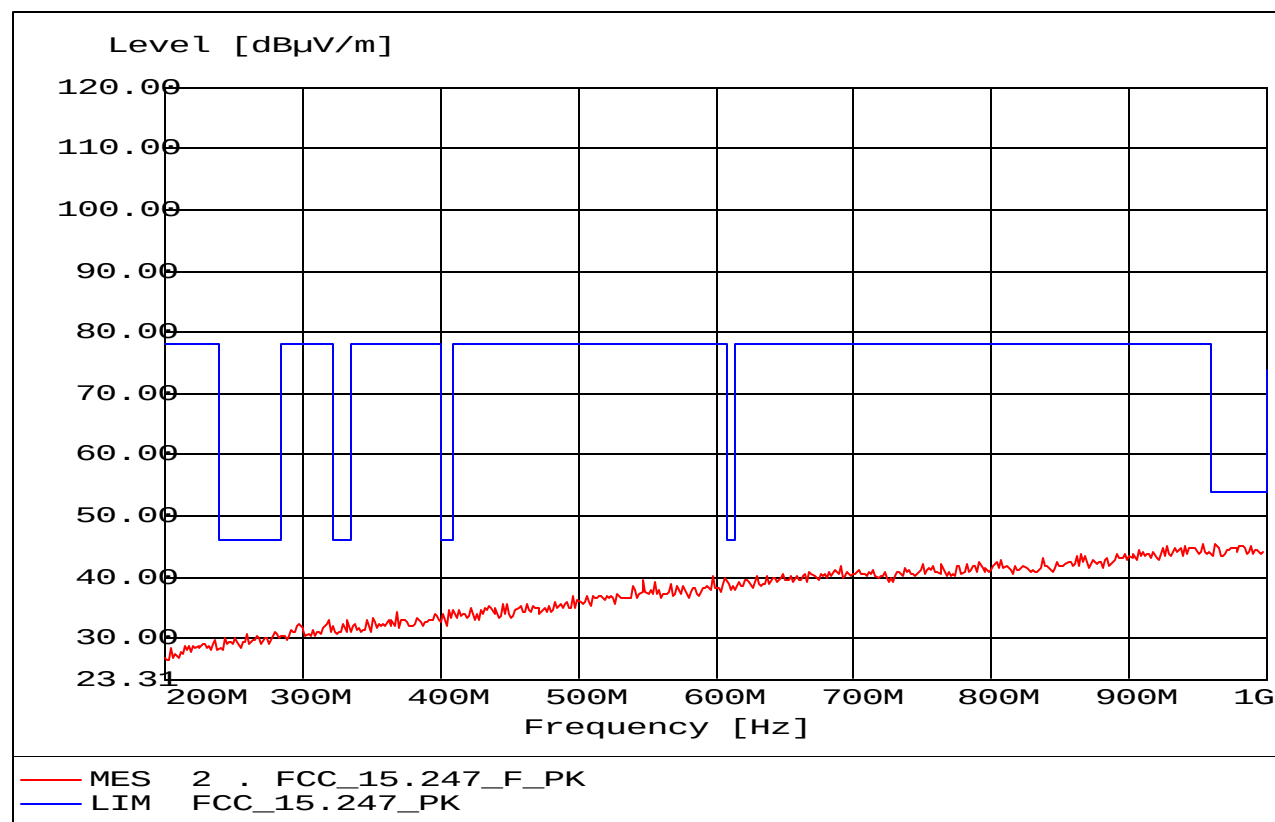
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 horizontal

Freq: 963.126MHz, **E_{max}:** 45.40dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 39 and Channel 6, continuous TX on

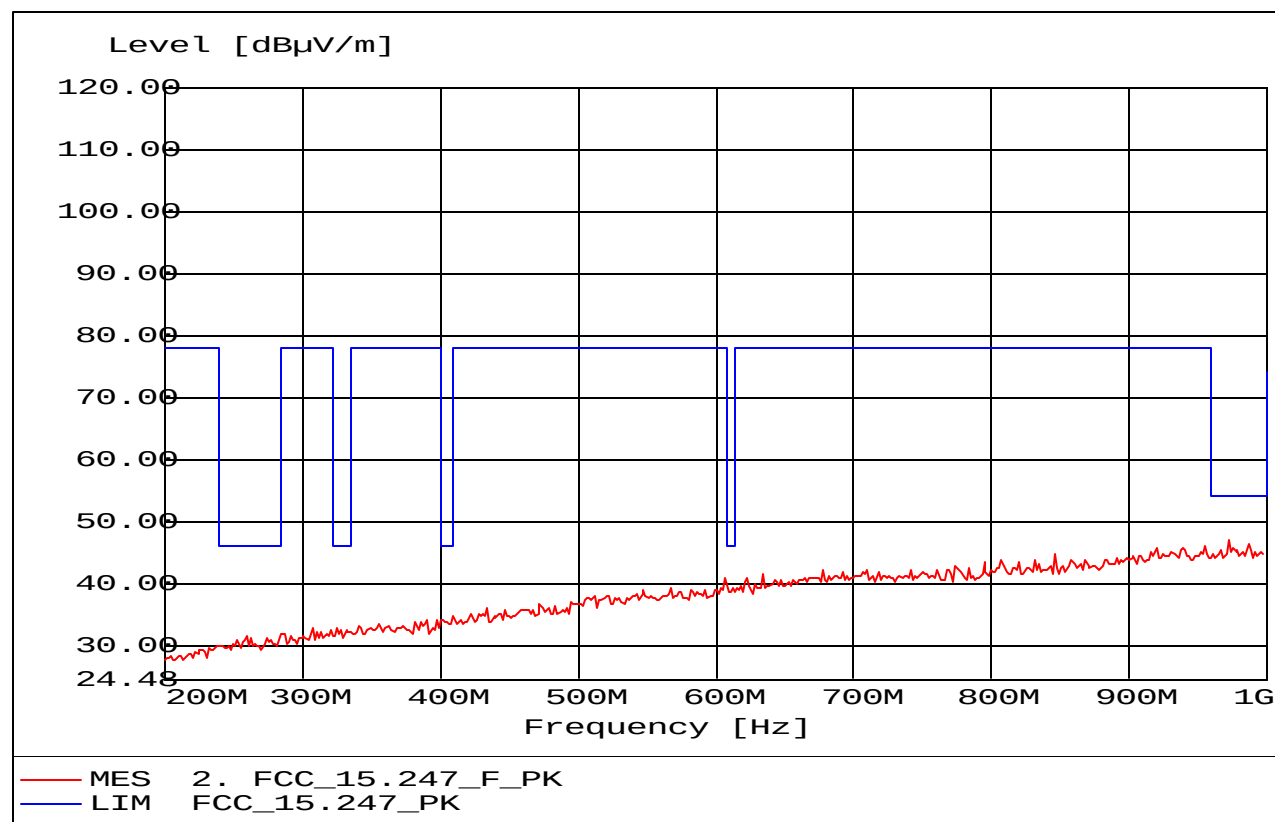
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 vertical

Freq: 972.745MHz, E_{max} : 46.78dB μ V/m, RBW: 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

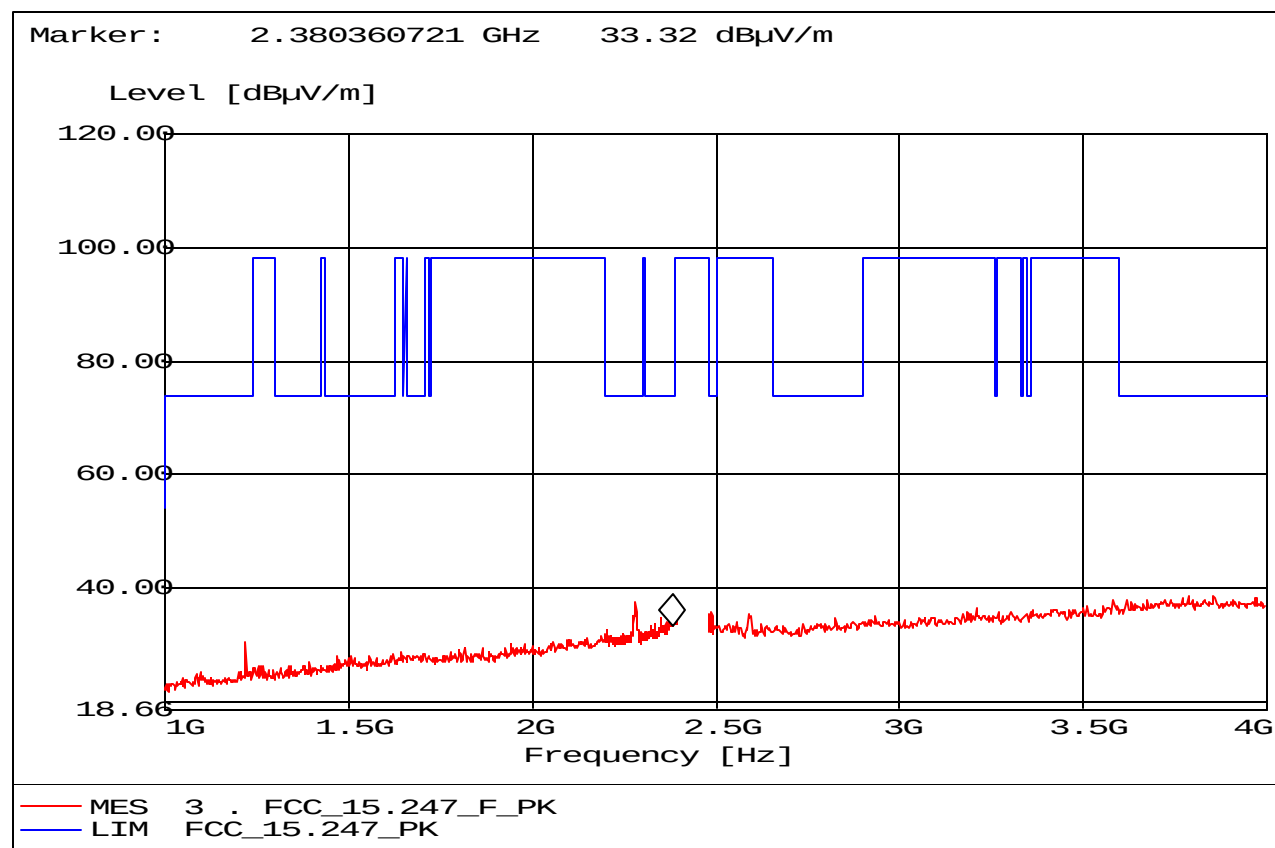
EUT Setings: Channel 39 and Channel 6, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 3.855GHz, Emax: 38.64dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 39 and Channel 6, continuous TX on

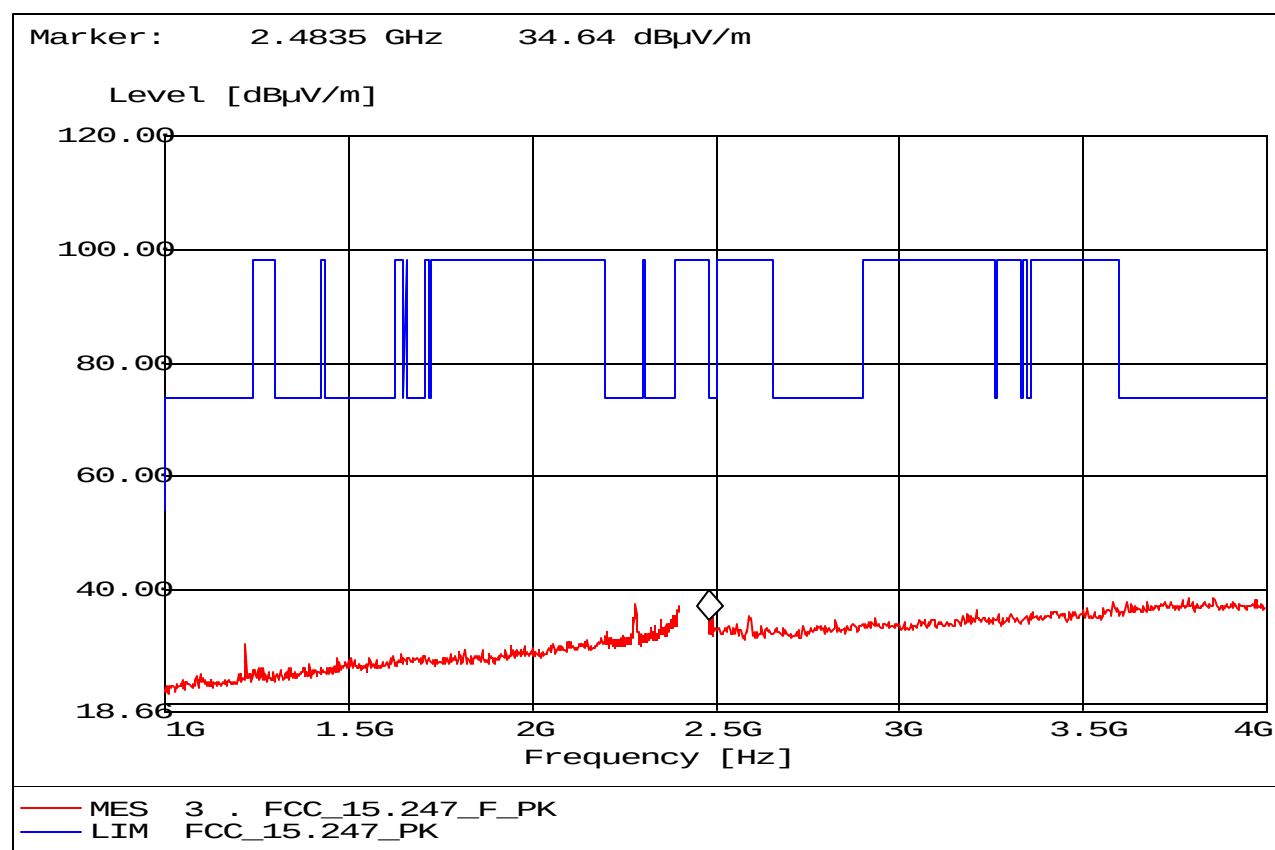
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 3.855GHz, Emax: 38.64dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

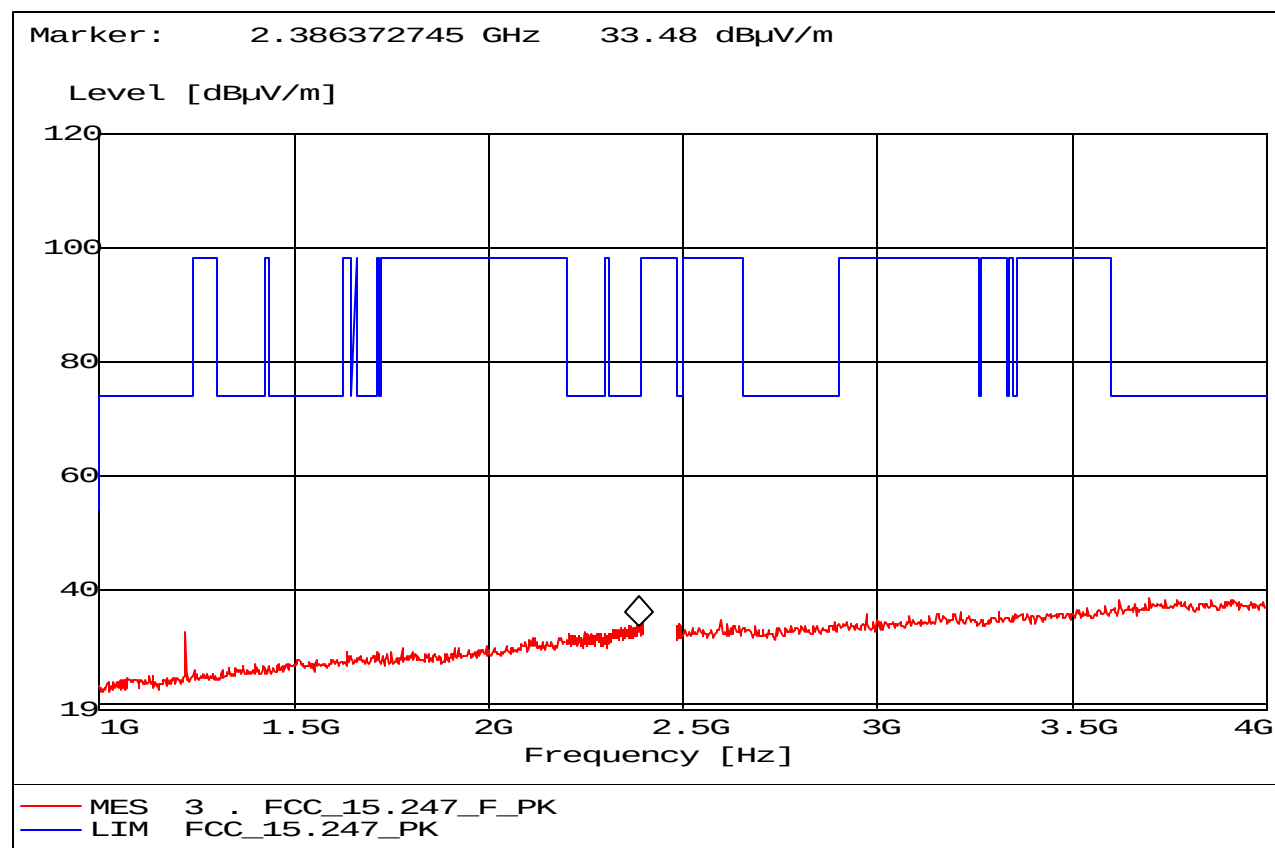
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.698GHz, Emax: 38.42dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 39 and Channel 6, continuous TX on

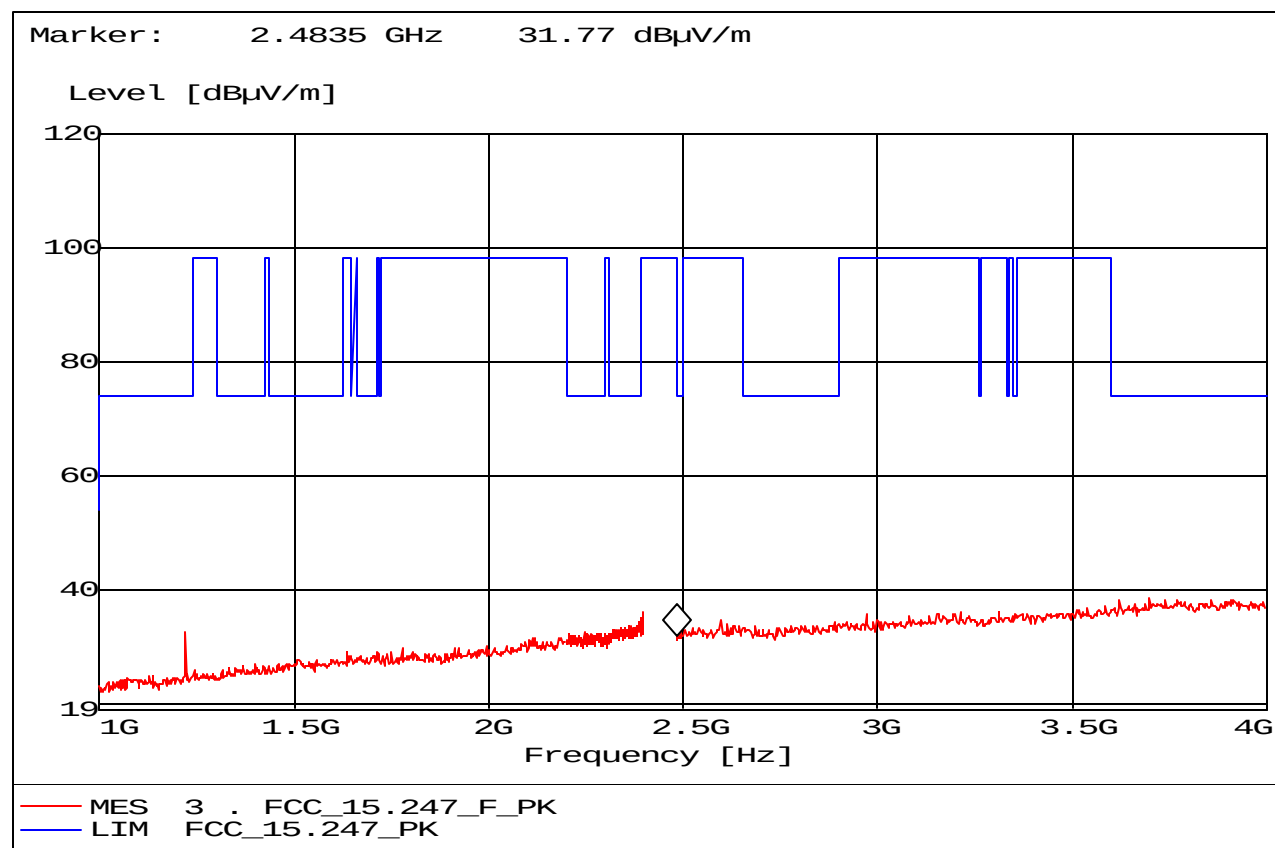
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.698GHz, Emax: 38.42dB $\mu\text{V}/\text{m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

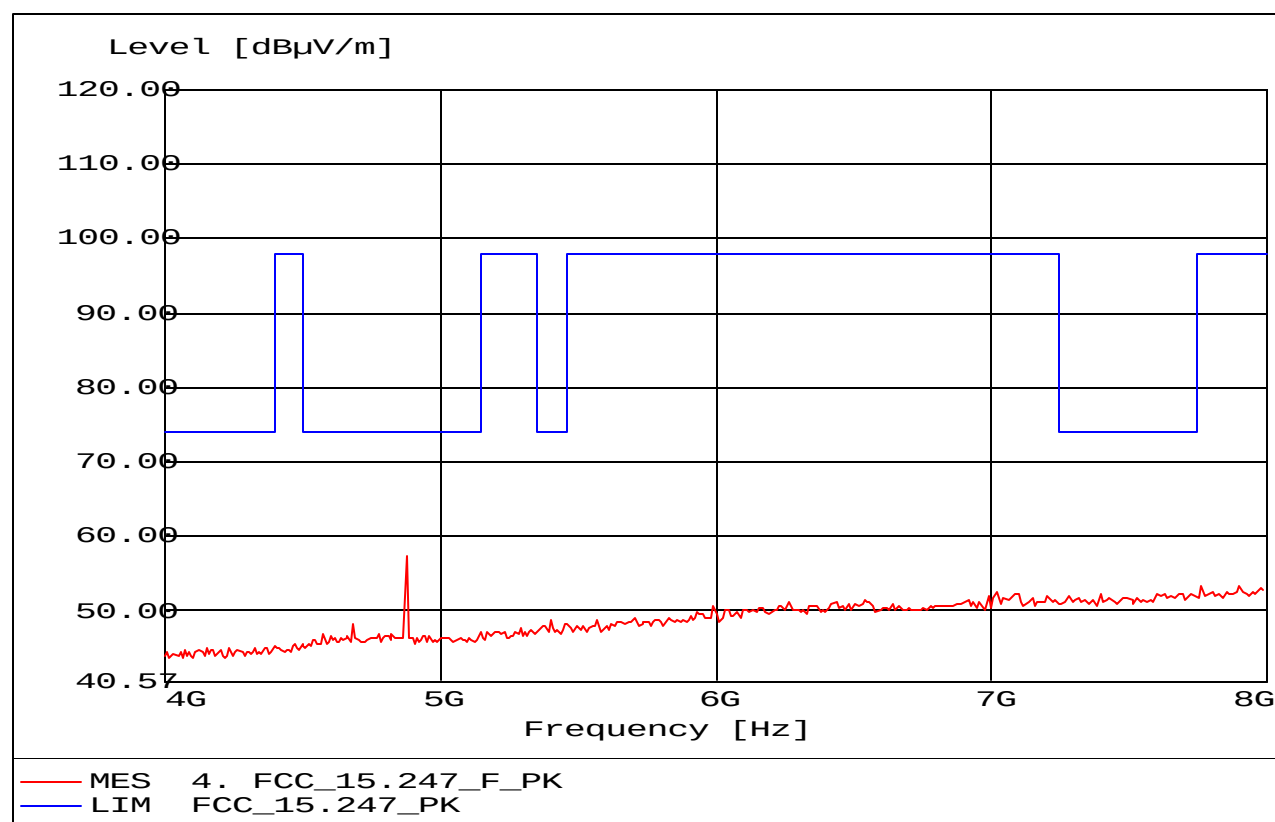
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 4.882GHz, Emax: 57.37dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

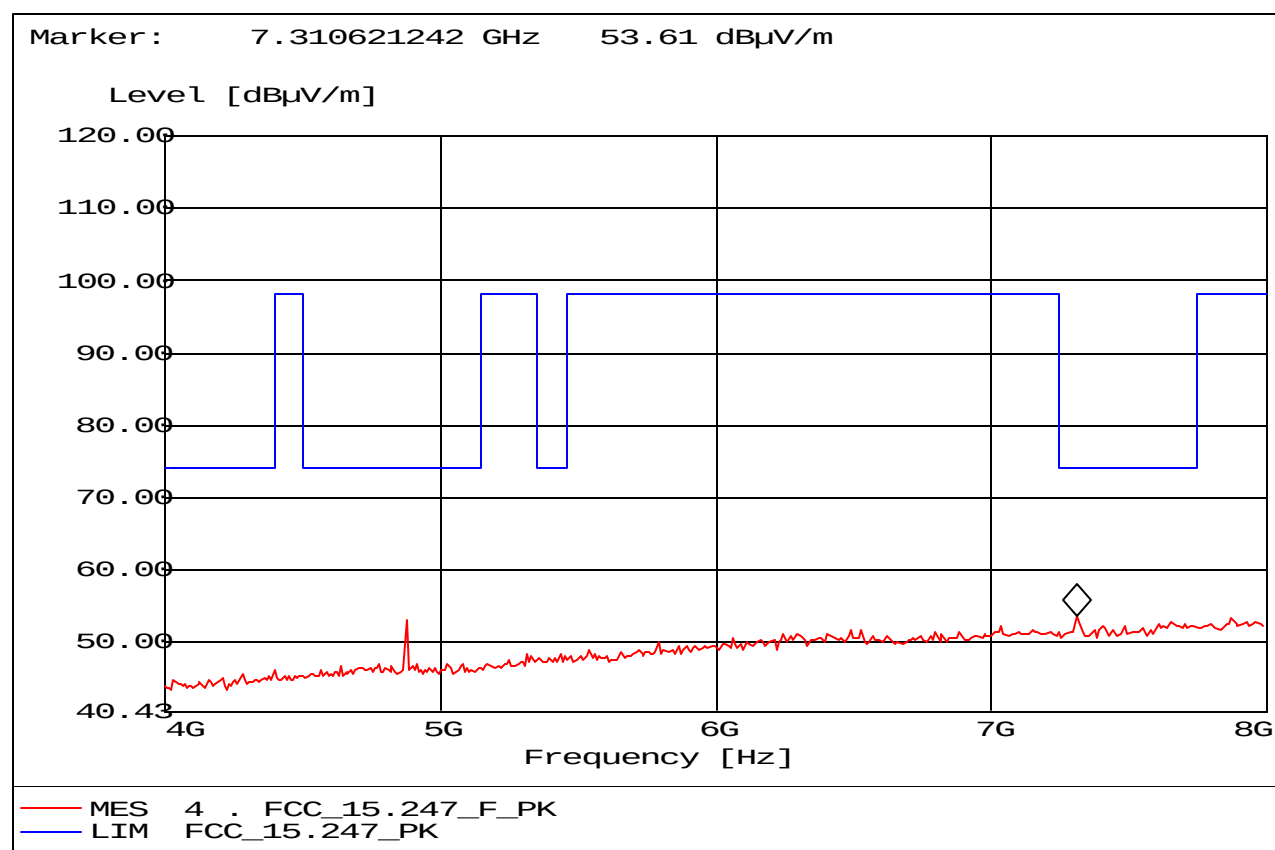
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.311GHz, **E_{max}:** 53.61dB μ V/m, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 0 and Channel 1, continuous TX on

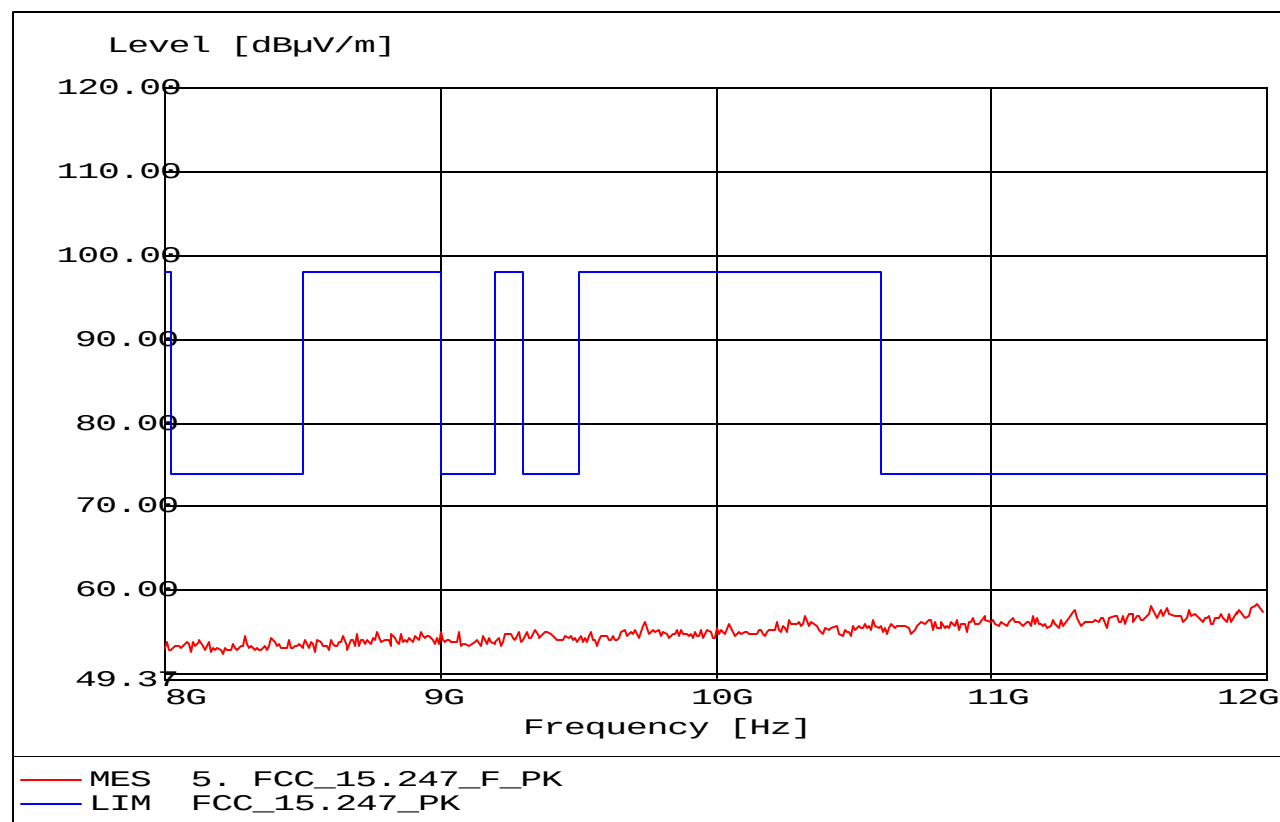
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.968GHz, E_{max} : 58.33dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

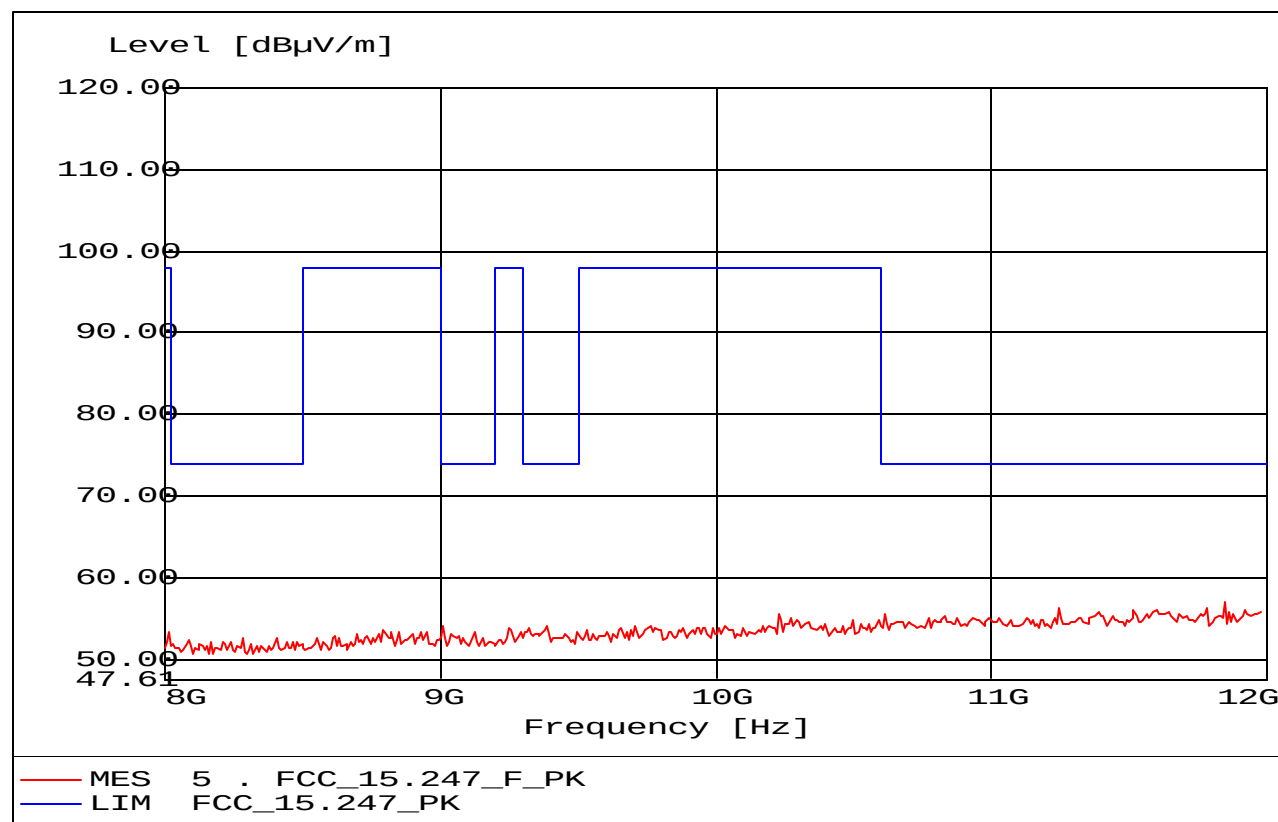
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.848GHz, E_{max} : 57.00dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

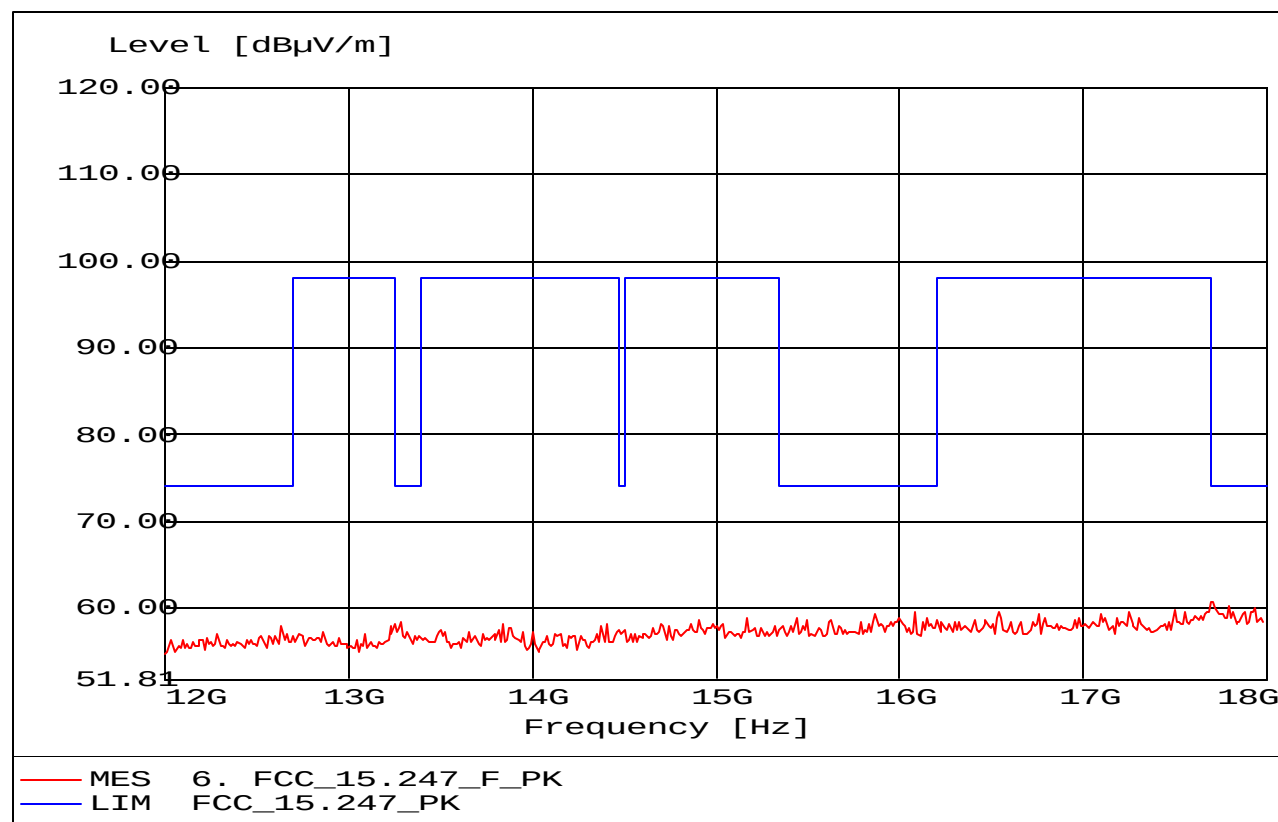
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.699GHz, Emax: 60.75dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

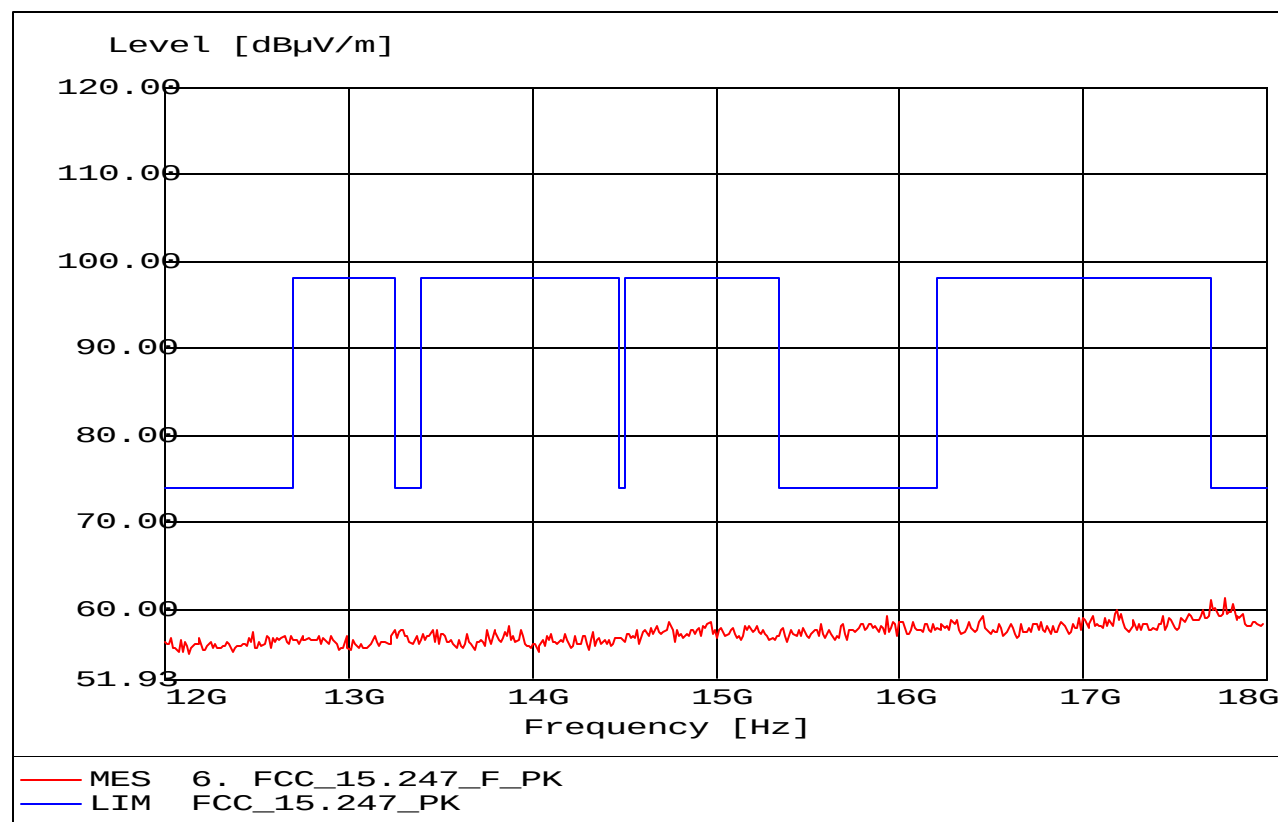
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.772GHz, Emax: 61.34dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

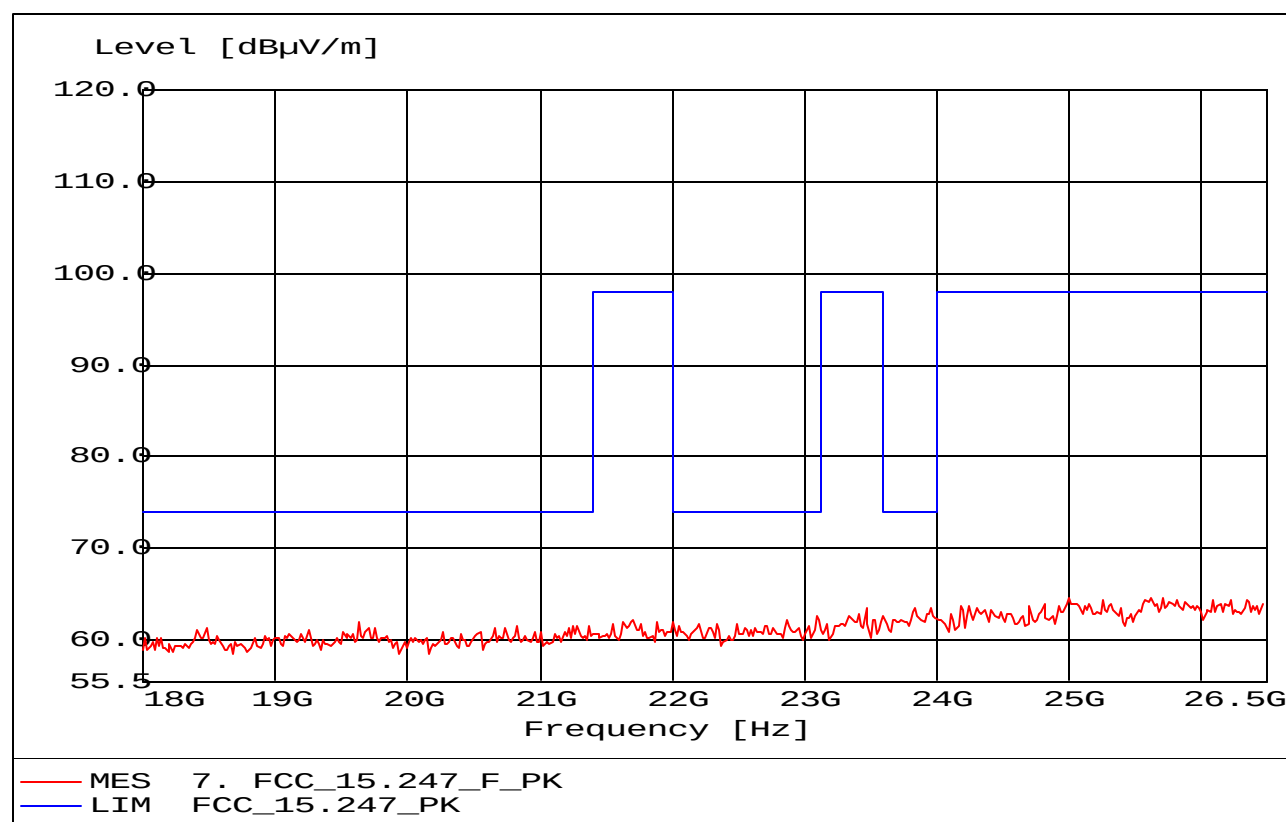
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 25.631GHz, Emax: 64.58dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

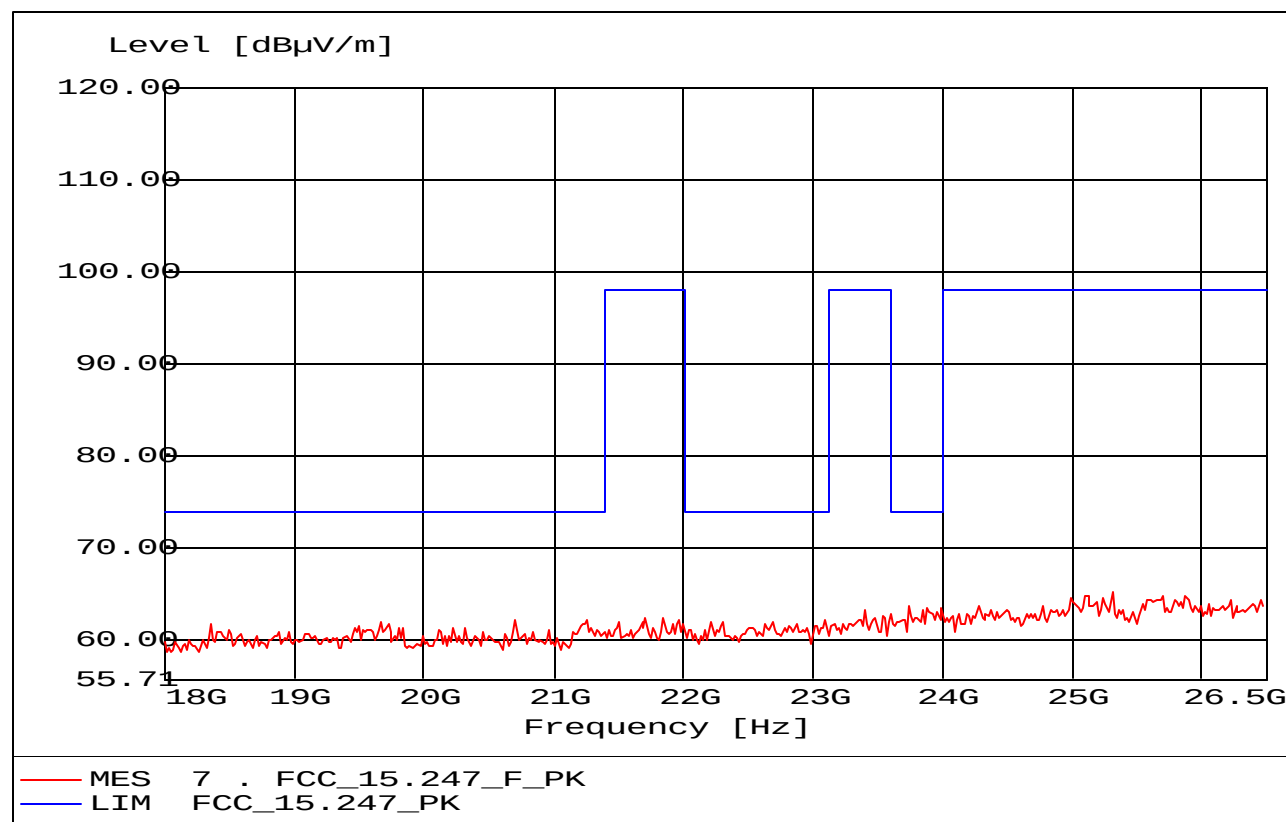
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 25.308GHz, Emax: 65.25dB $\mu\text{V/m}$, RBW: 1MHz



2nd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 39 and Channel 6, continuous TX on

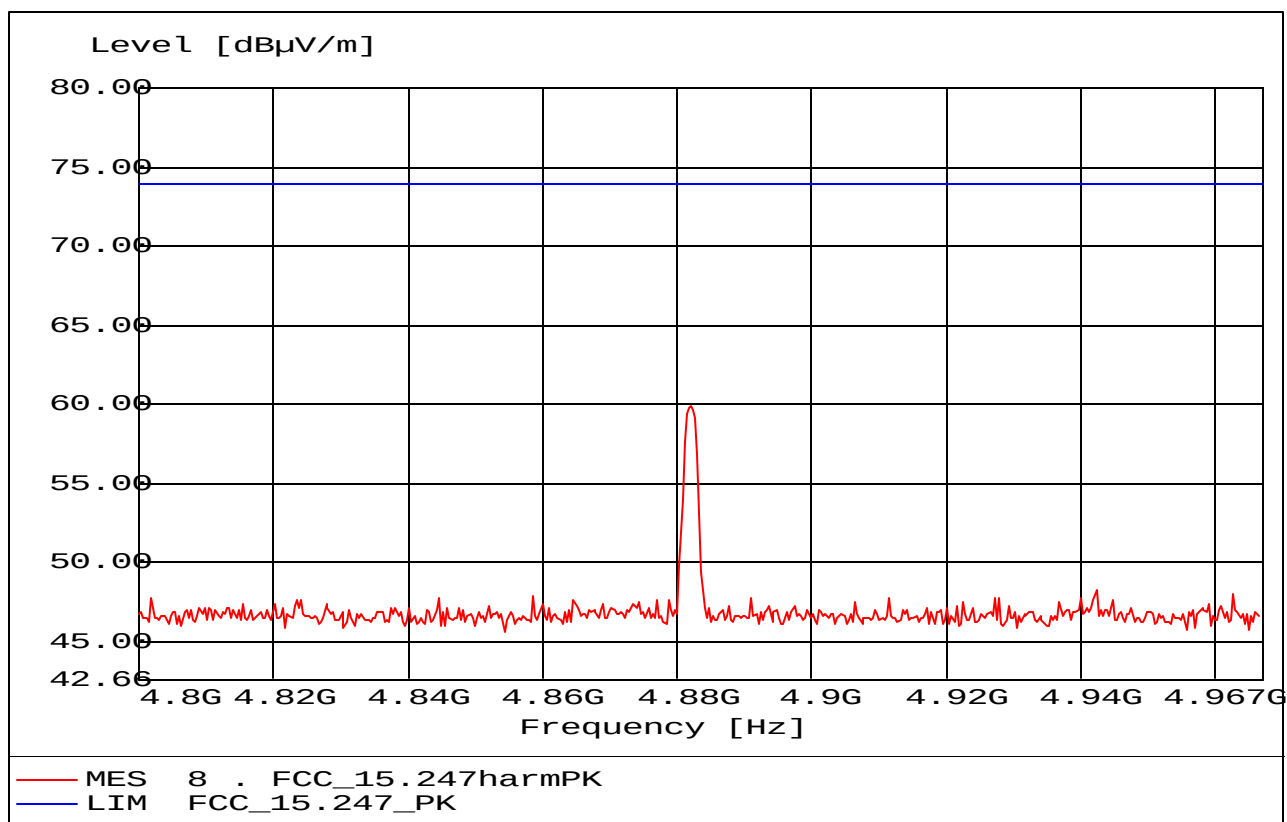
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 4.882GHz, Emax: 59.89dB $\mu\text{V}/\text{m}$, RBW: 1MHz



2nd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 39 and Channel 6, continuous TX on

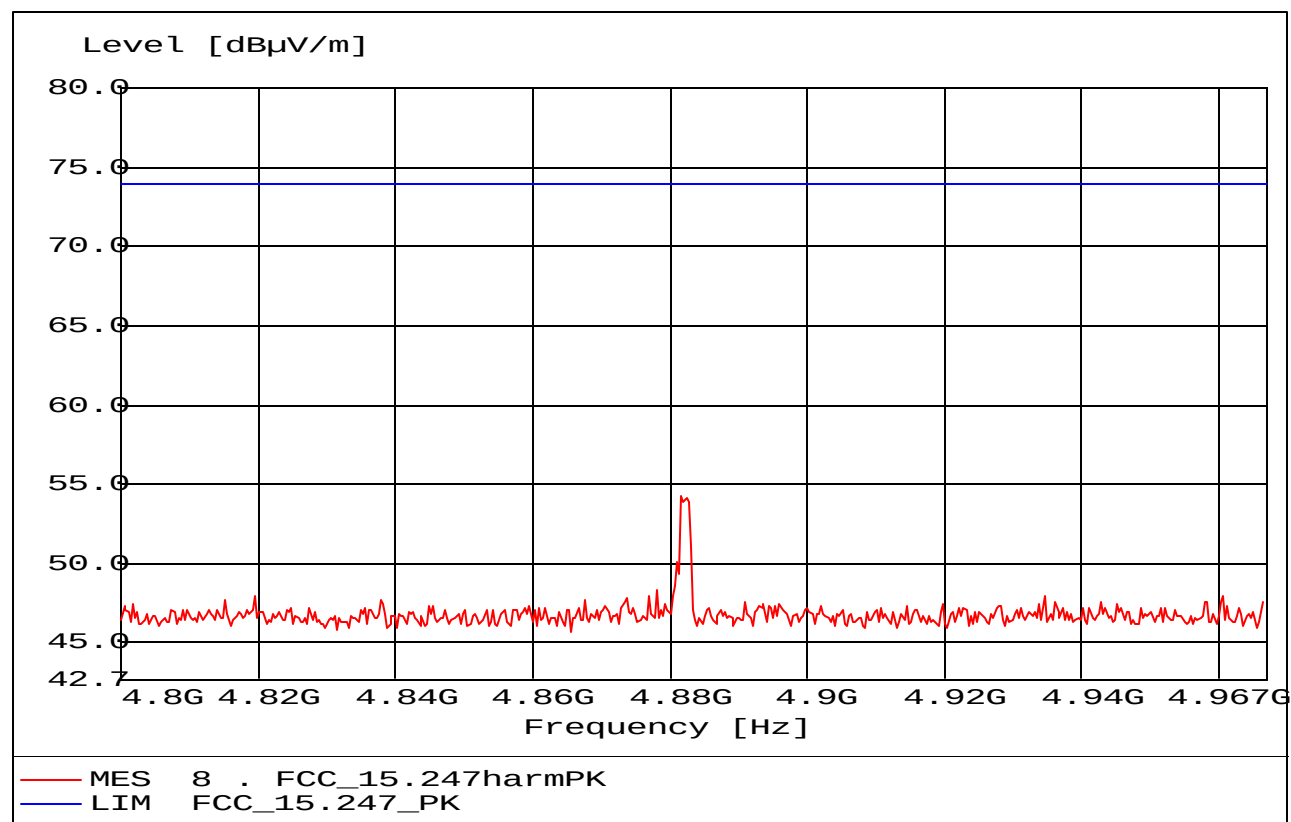
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 4.882GHz, Emax: 54.20dB $\mu\text{V/m}$, RBW: 1MHz



Radiated Maximum Peak Power
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 39 and Channel 6, continuous TX on

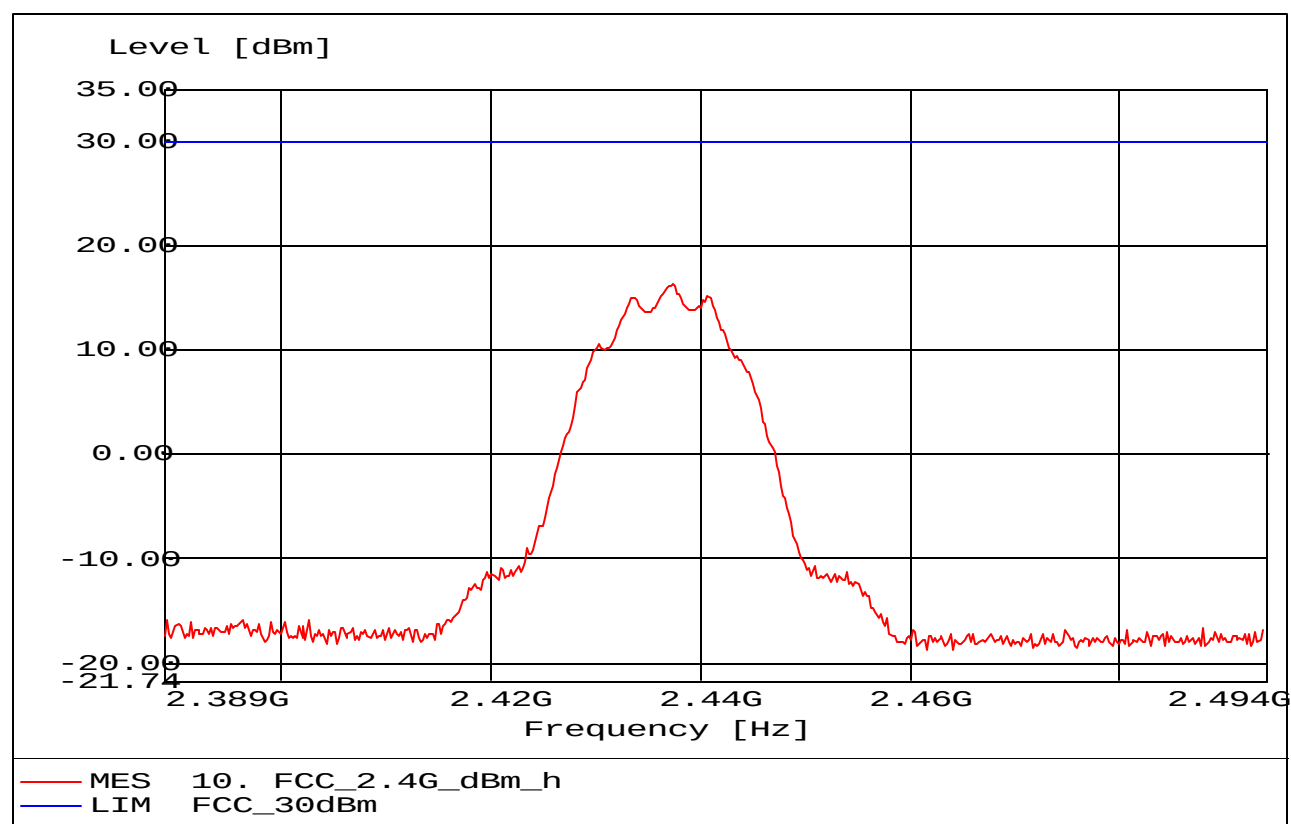
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HL025 horizontal

Freq: 2.437GHz, Pmax: 16.31dBm, RBW: 5MHz



Upper channel average measurements

Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

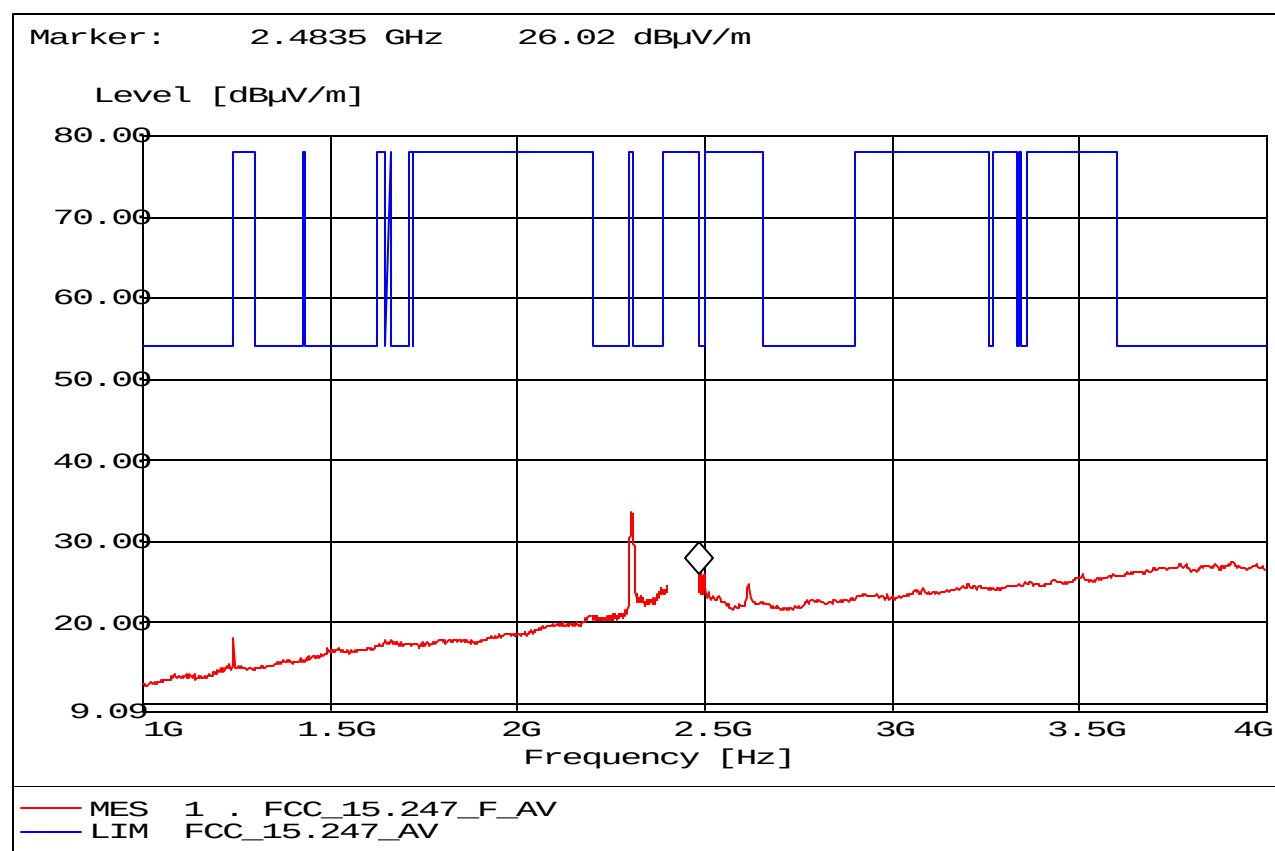
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 2.305GHz, Emax: 33.76dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

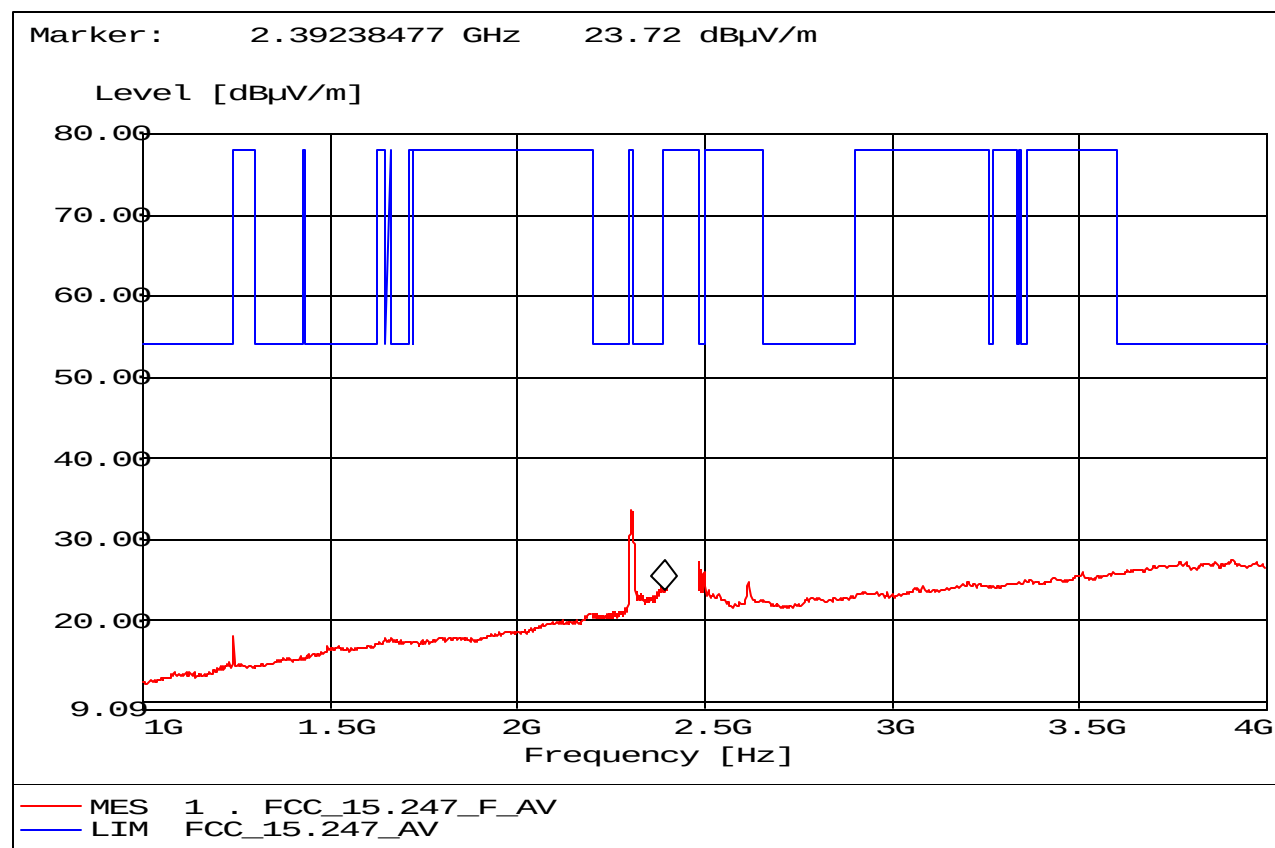
EUT Setings: Channel 78 and Channel 11, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 2.305GHz, Emax: 33.76dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 78 and Channel 11, continuous TX on

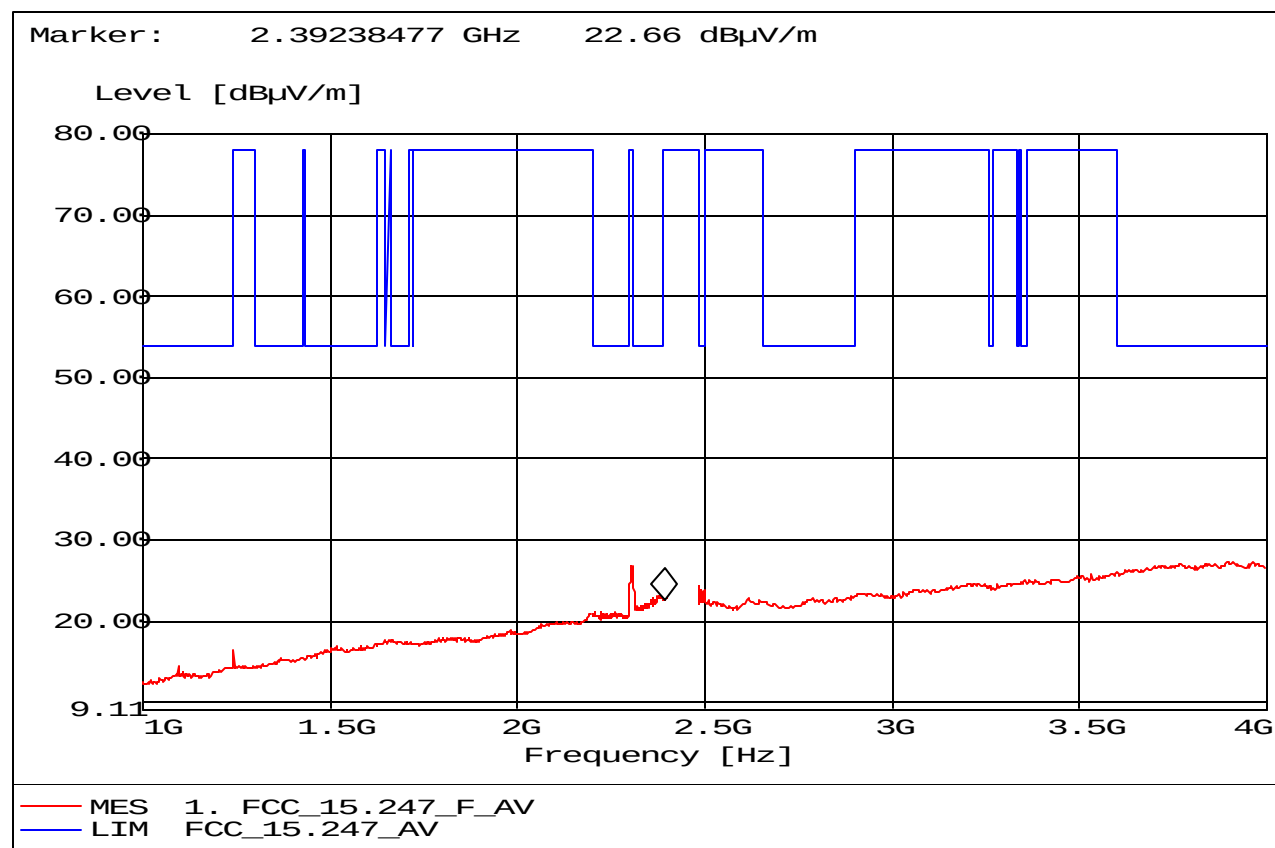
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.909GHz, Emax: 27.28dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

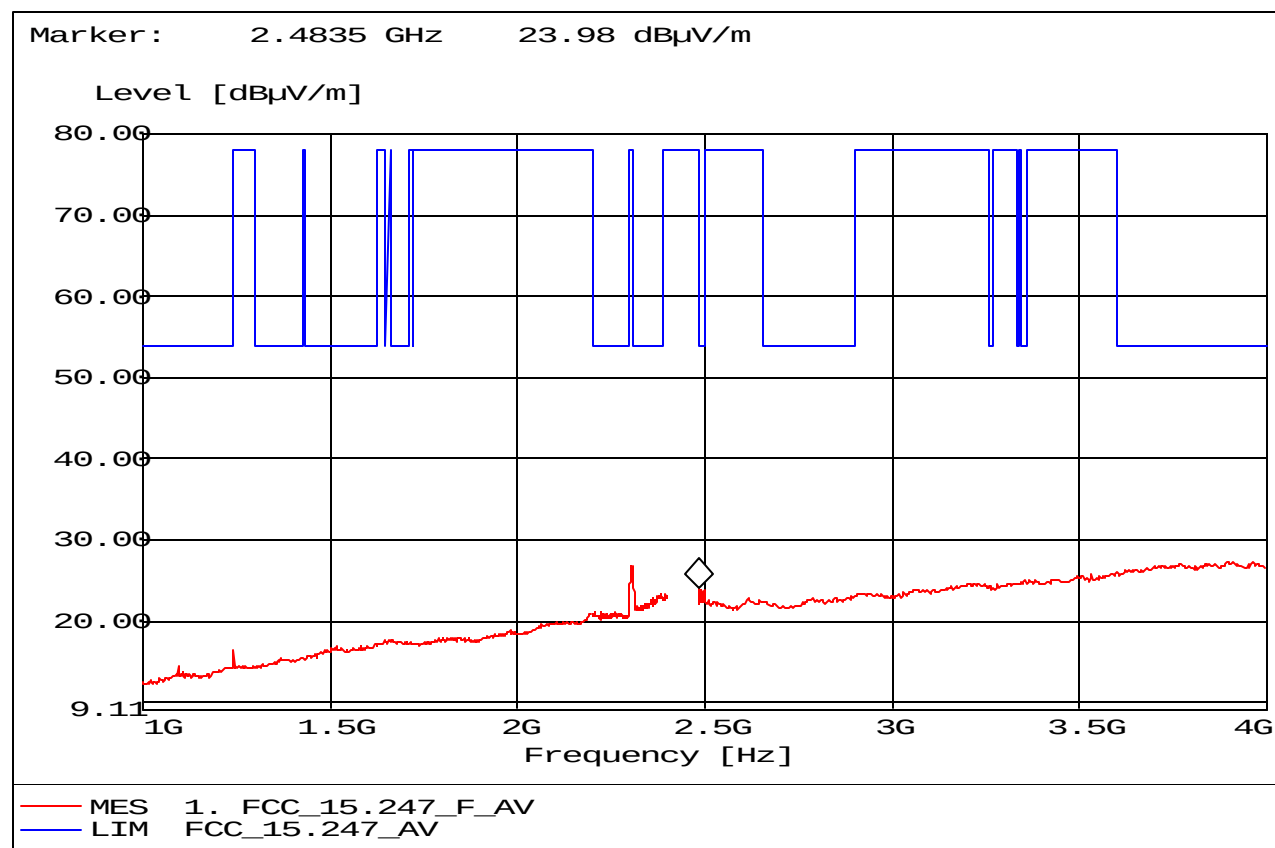
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.909GHz, Emax: 27.28dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

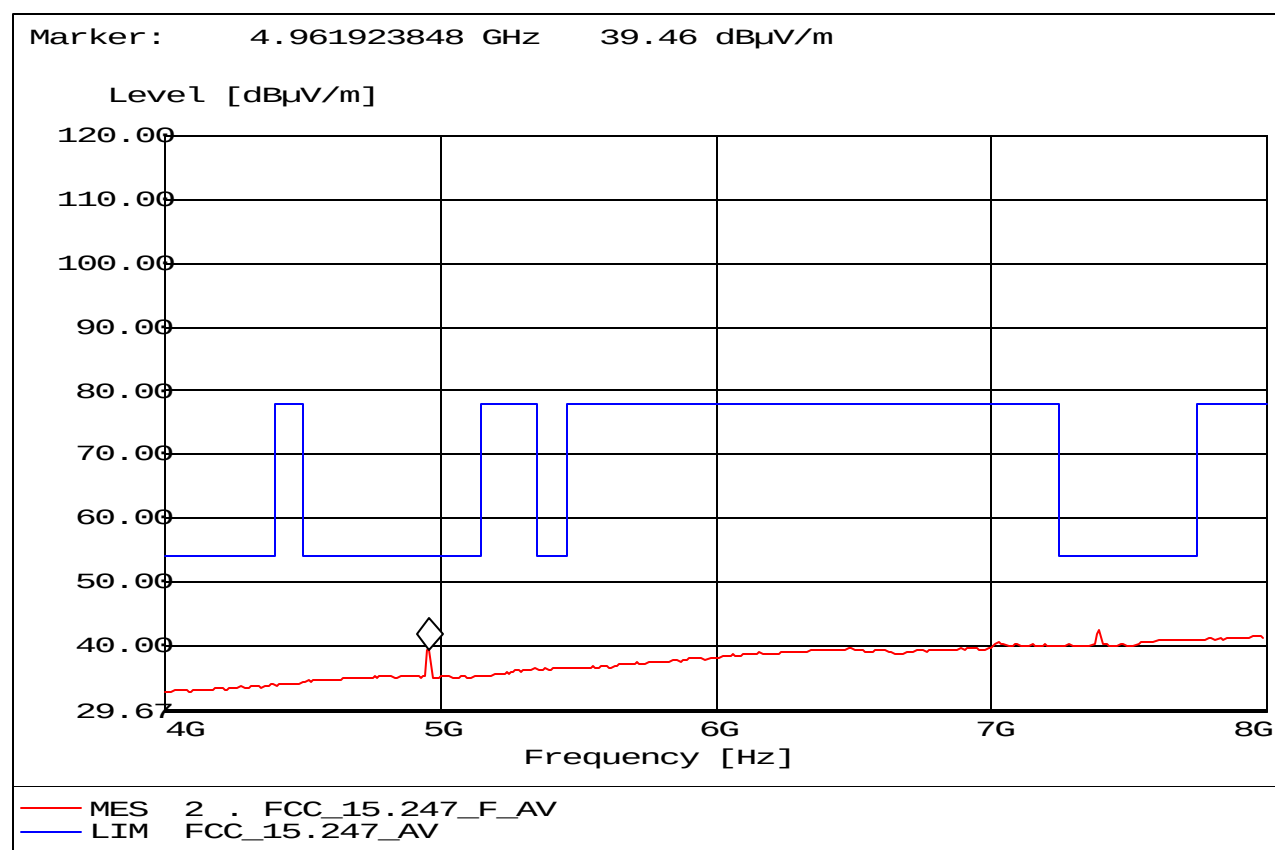
EUT Setings: Channel 78 and Channel 11, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 7.391GHz, Emax: 42.55dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

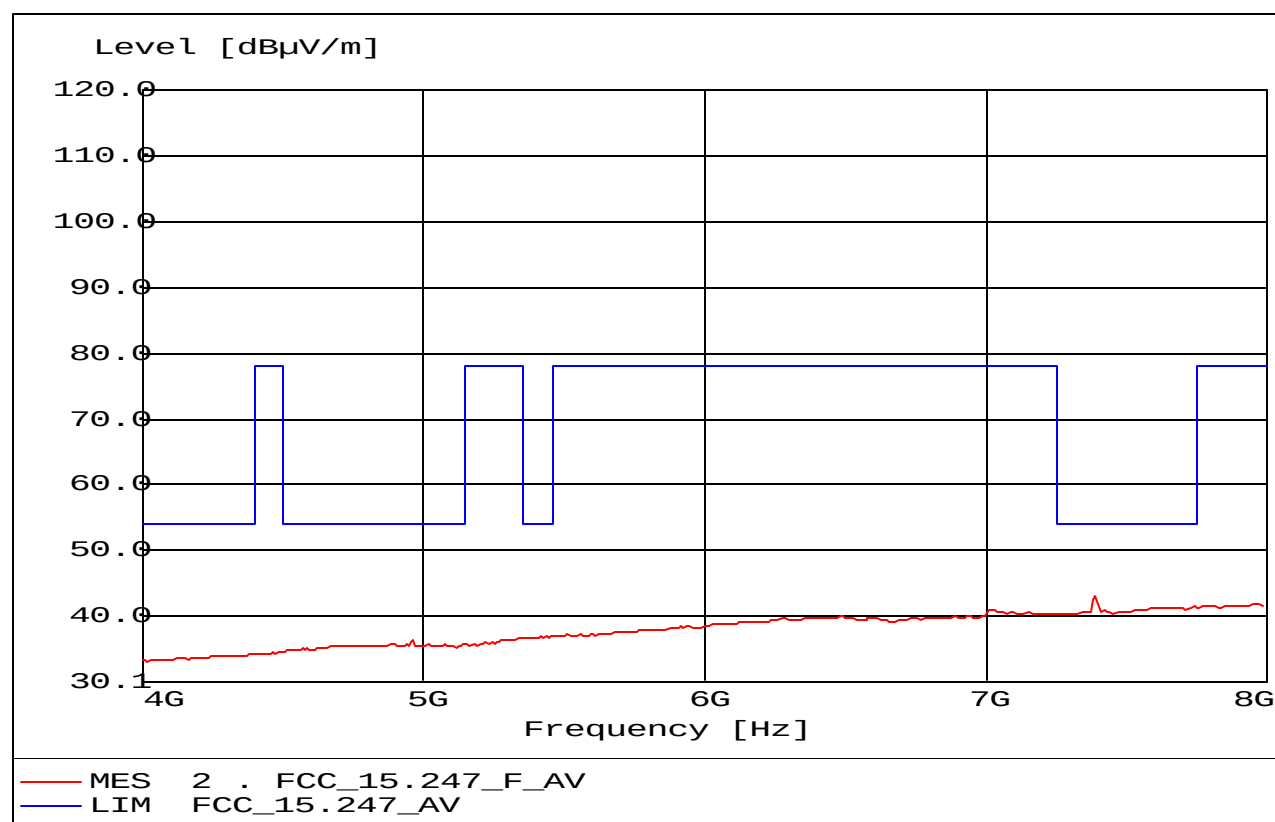
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.391GHz, Emax: 43.23dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

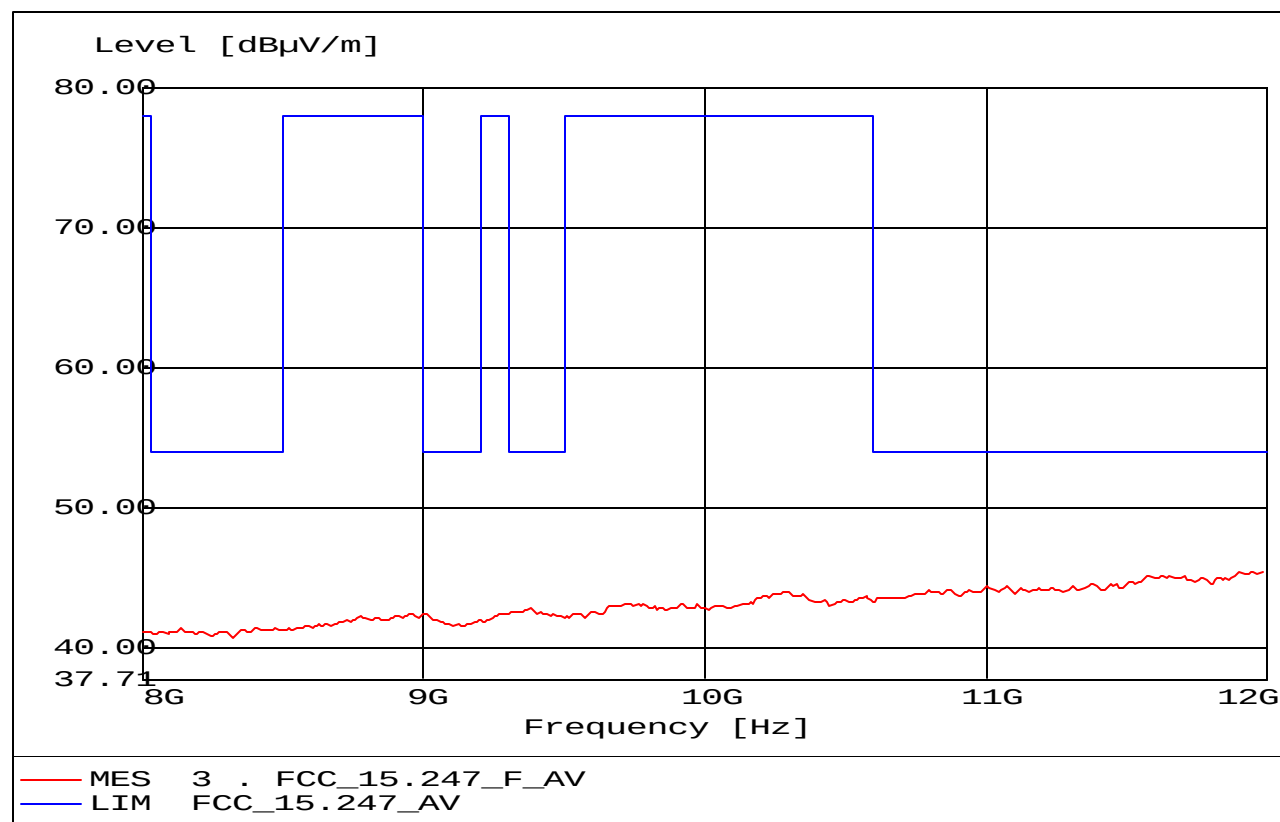
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 11.944GHz, Emax: 45.39dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

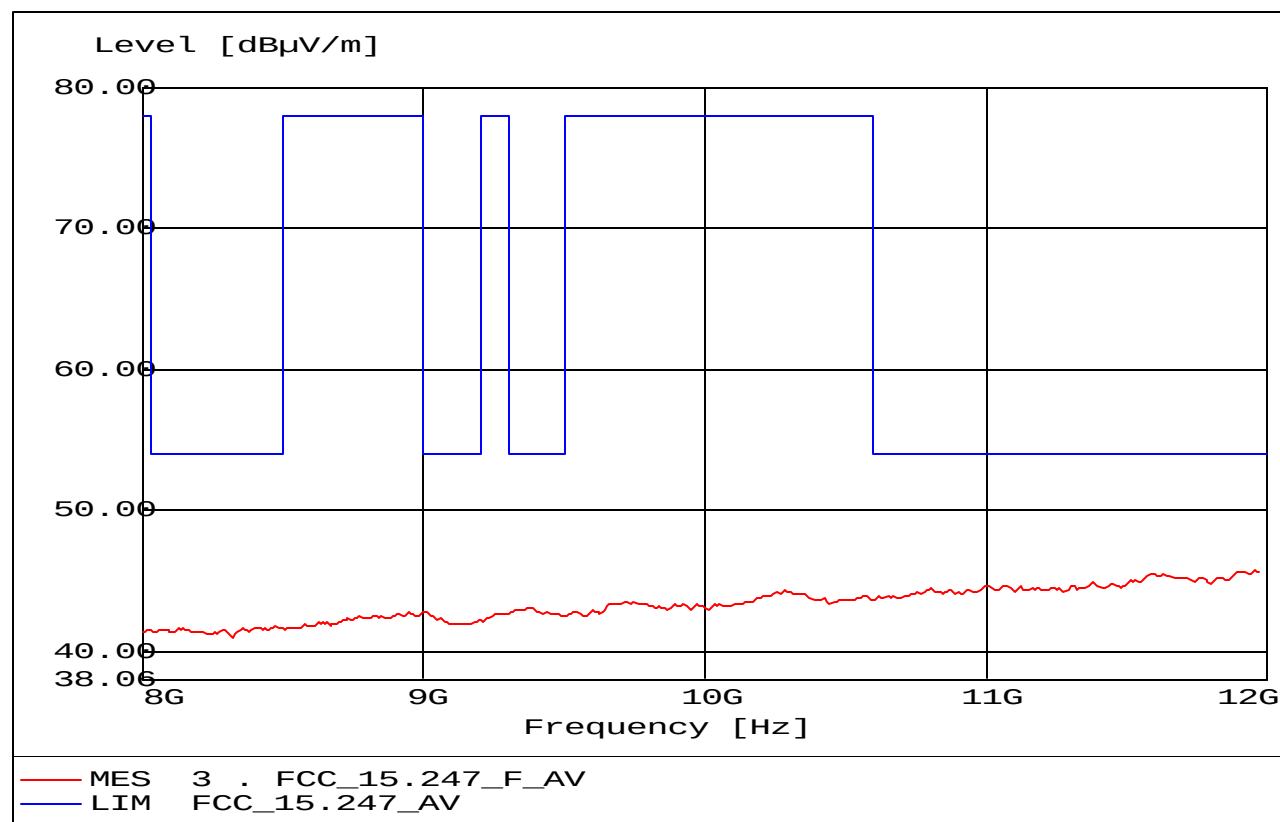
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.960GHz, Emax: 45.75dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

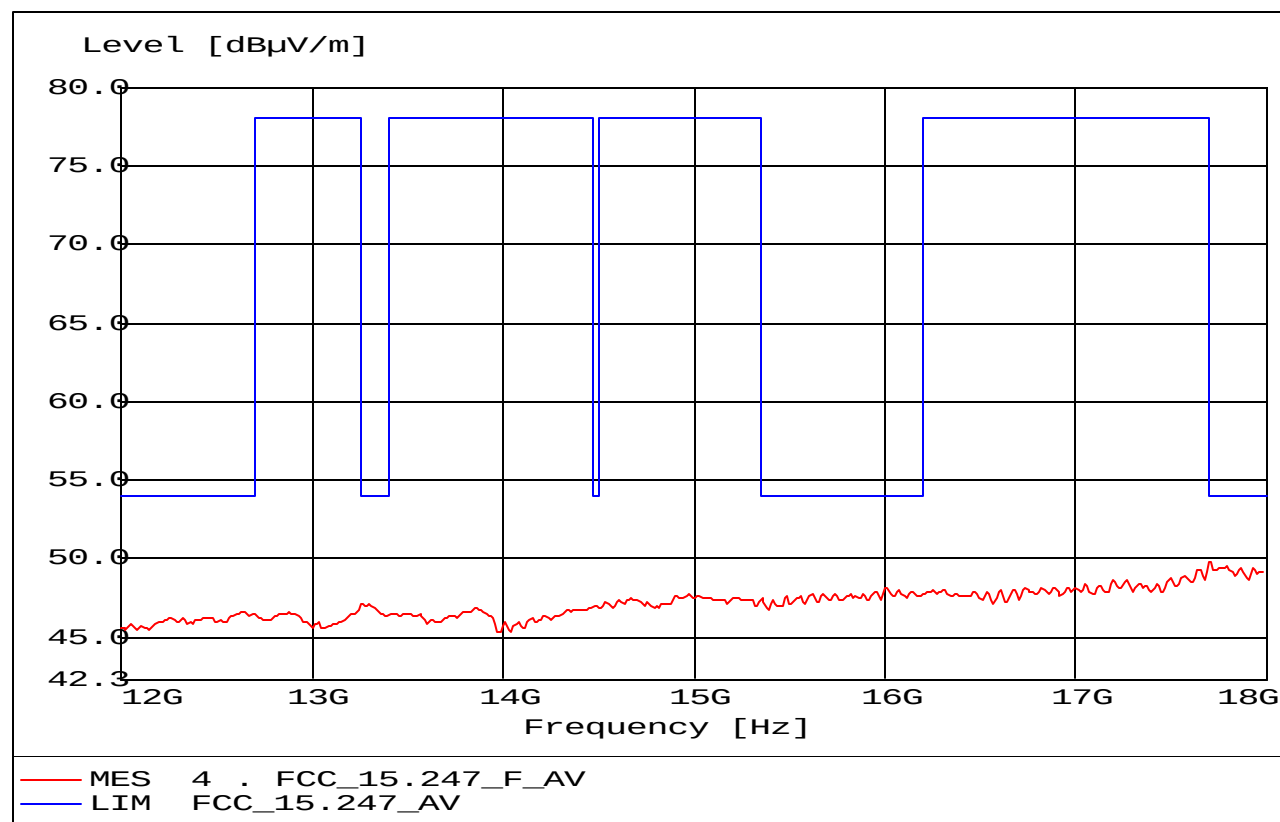
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.711GHz, Emax: 49.80dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

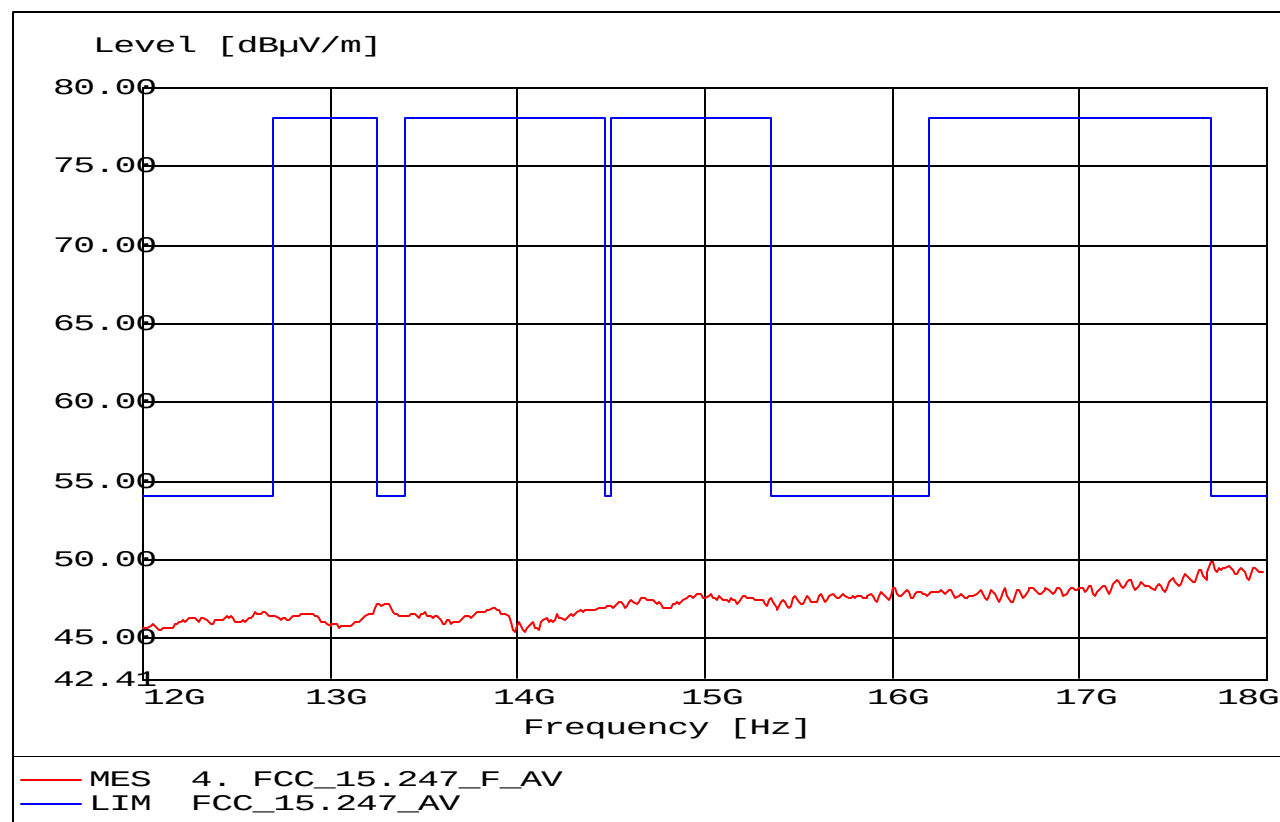
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.711GHz, **E_{max}:** 49.90dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 78 and Channel 11, continuous TX on

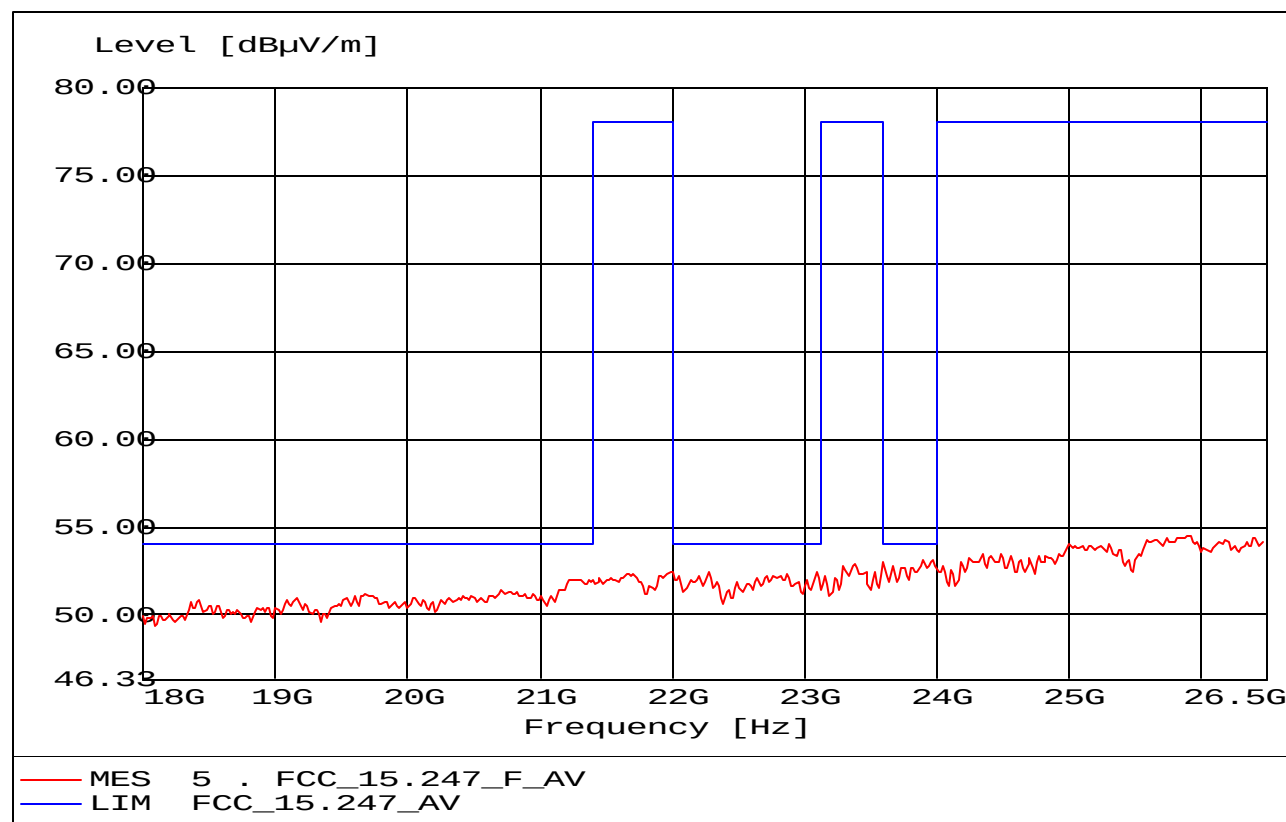
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 25.904GHz, Emax: 54.47dB μ V/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

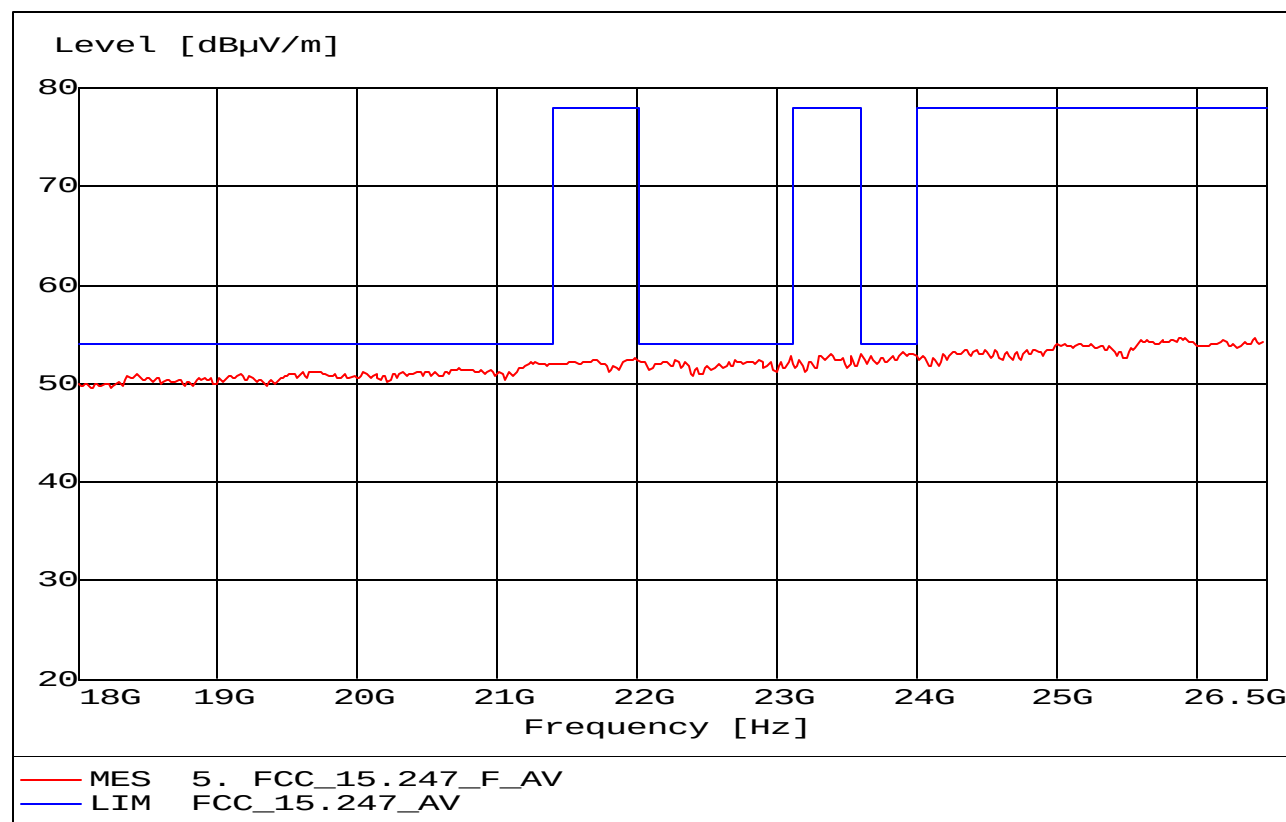
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 25.887GHz, Emax: 54.59dB μ V/m, RBW: 1MHz



Signal Fieldstrength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

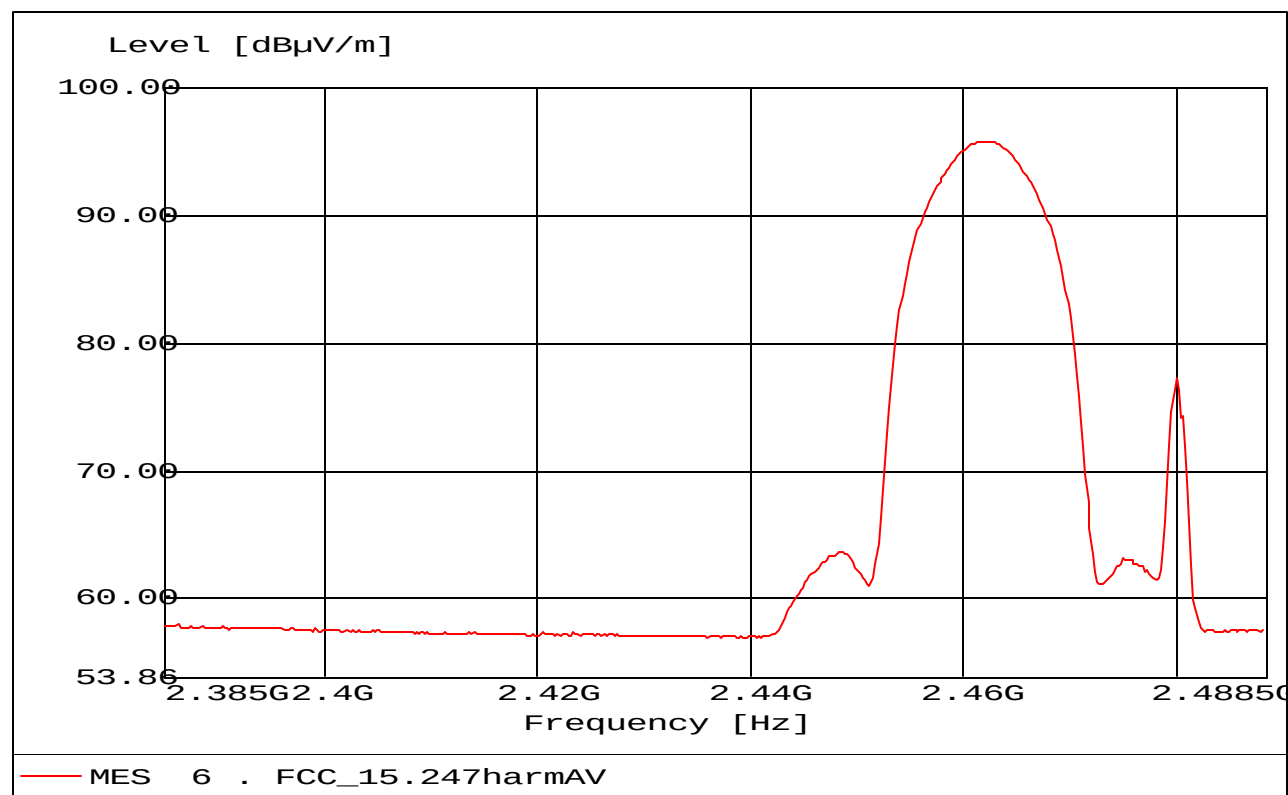
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Ant.: HL025 horizontal

Freq: 2.462GHz, **E_{max}:** 95.80dBμV/m, **RBW:** 1MHz



2nd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

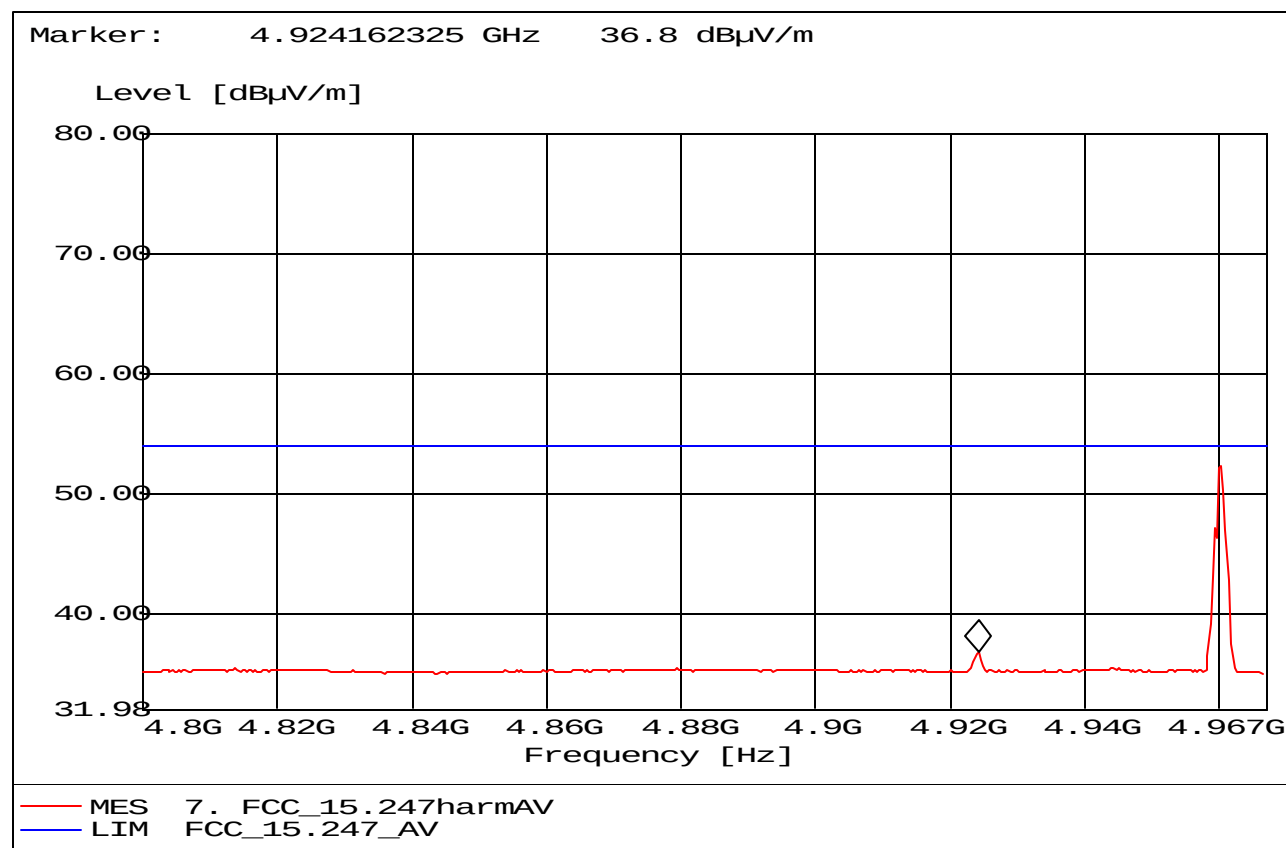
EUT Settins: Channel 78 and Channel 11, continuous TX on

Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 4.960GHz, Emax: 52.21dBµV/m, RBW: 1MHz



2nd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

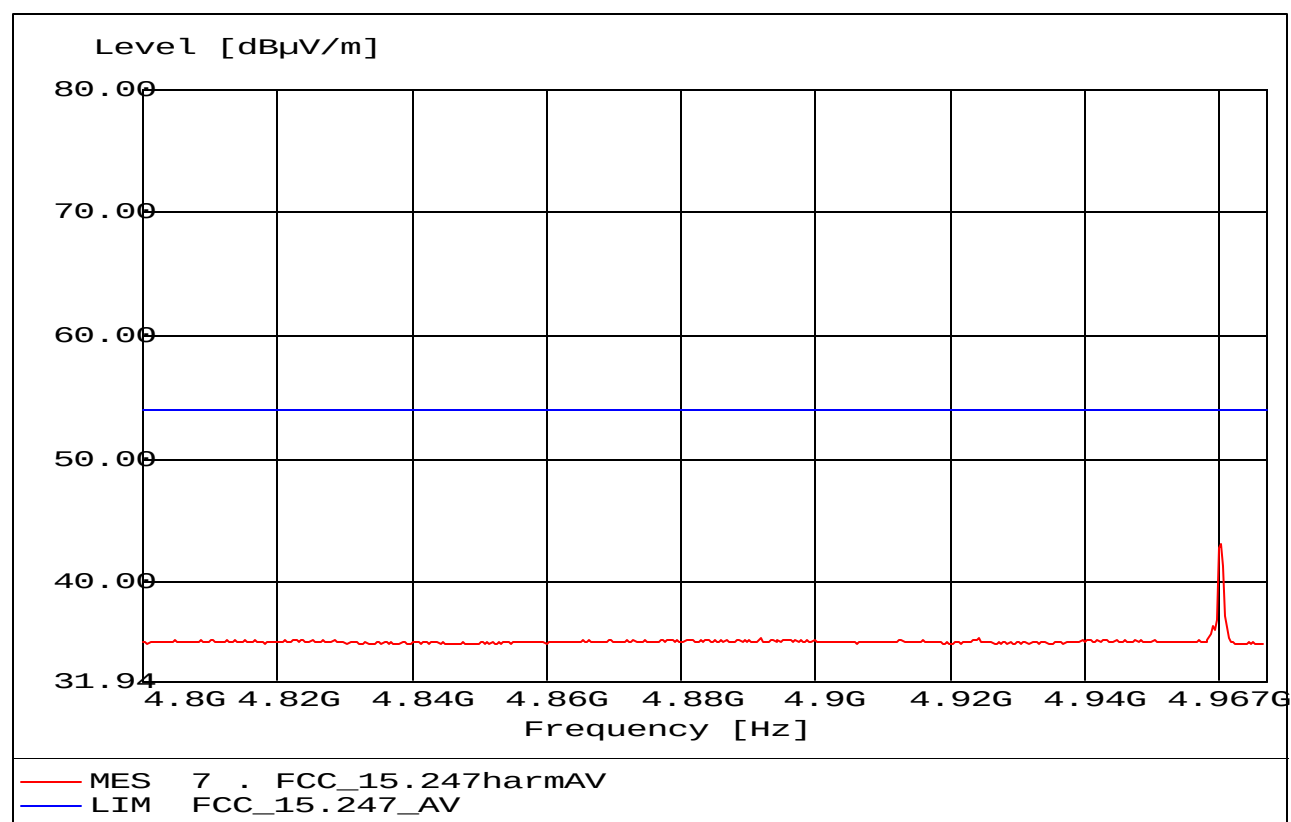
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 4.960GHz, Emax: 43.06dB μ V/m, RBW: 1MHz



3rd Harmonic Fieldstrength TX
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

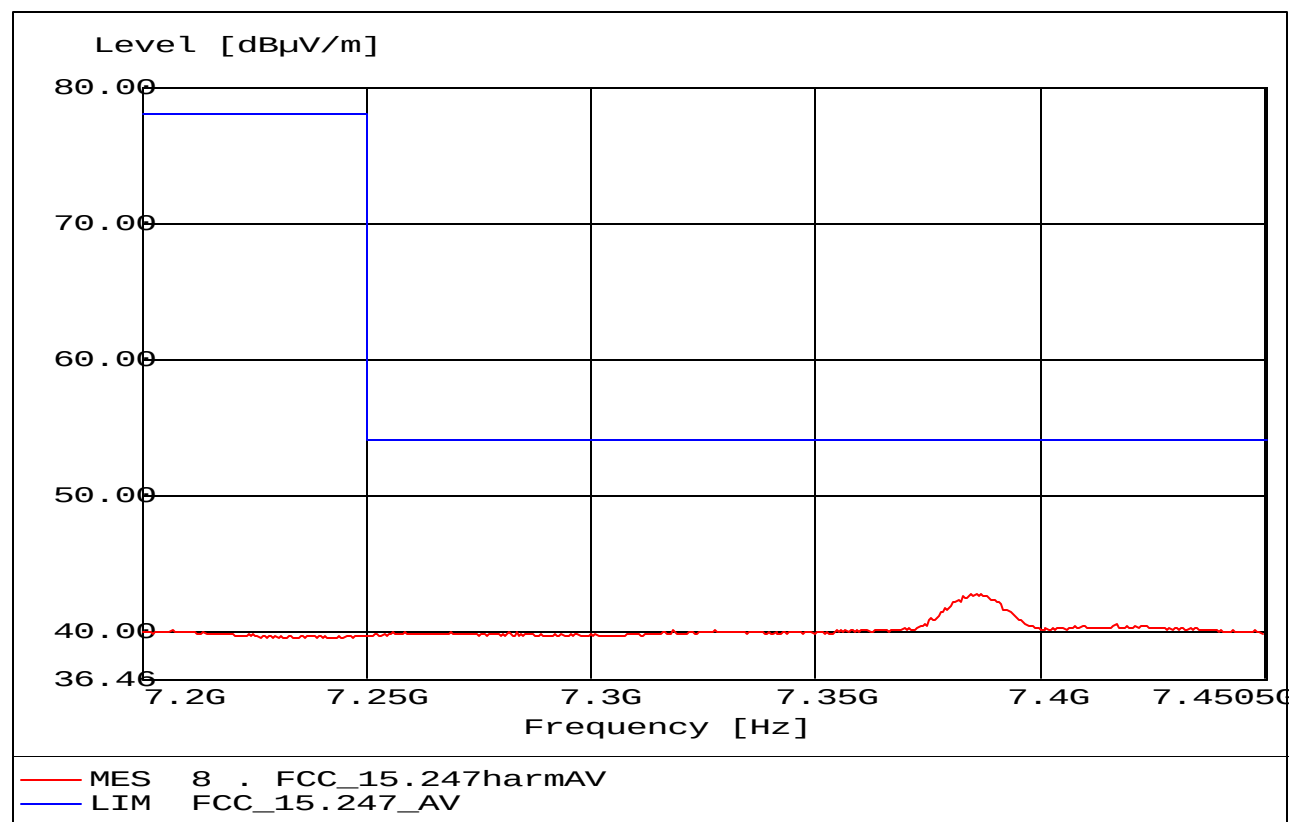
EUT Setings: Channel 78 and Channel 11, continuous TX on

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode : TX

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 7.387GHz, Emax: 42.76dB μ V/m, RBW: 1MHz



Upper channel peak measurements

Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

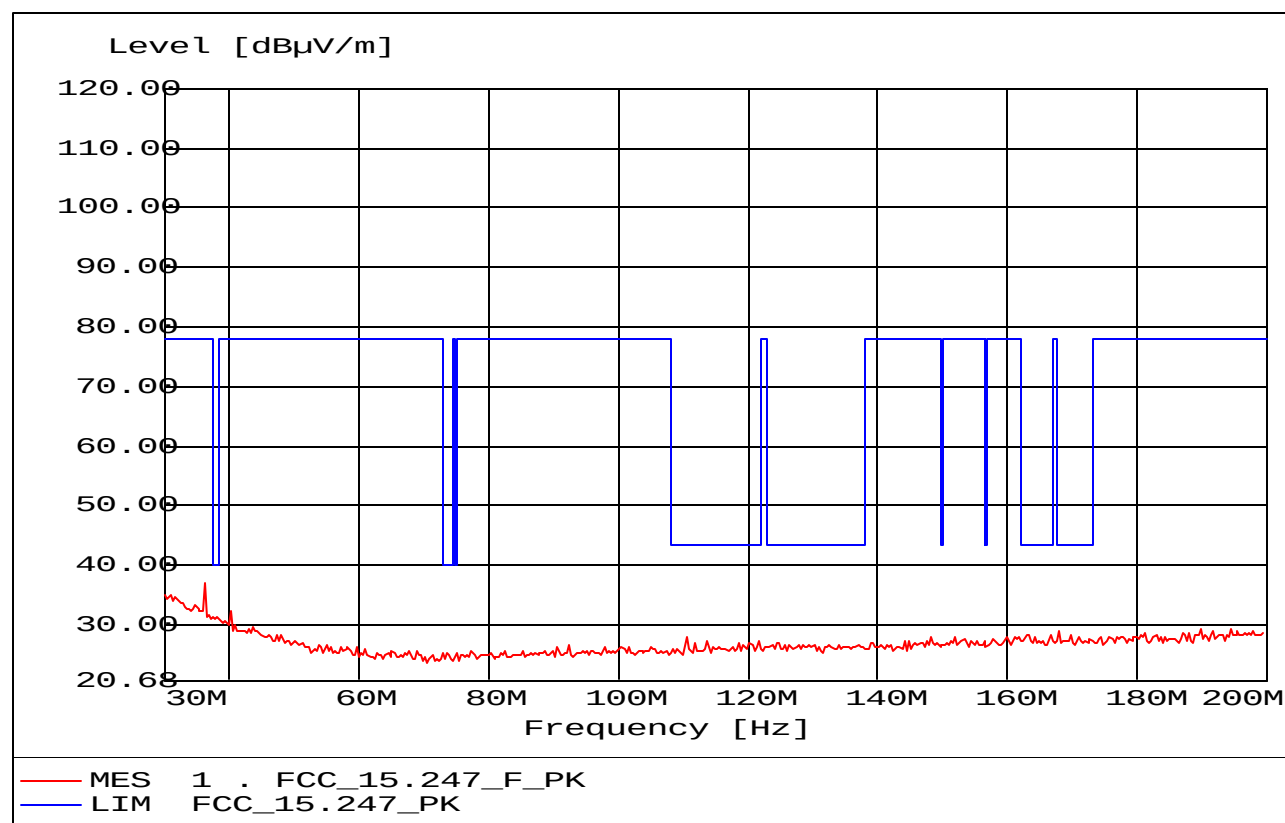
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HK116 horizontal

Freq: 36.132MHz, Emax: 37.14dB μ V/m, RBW: 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

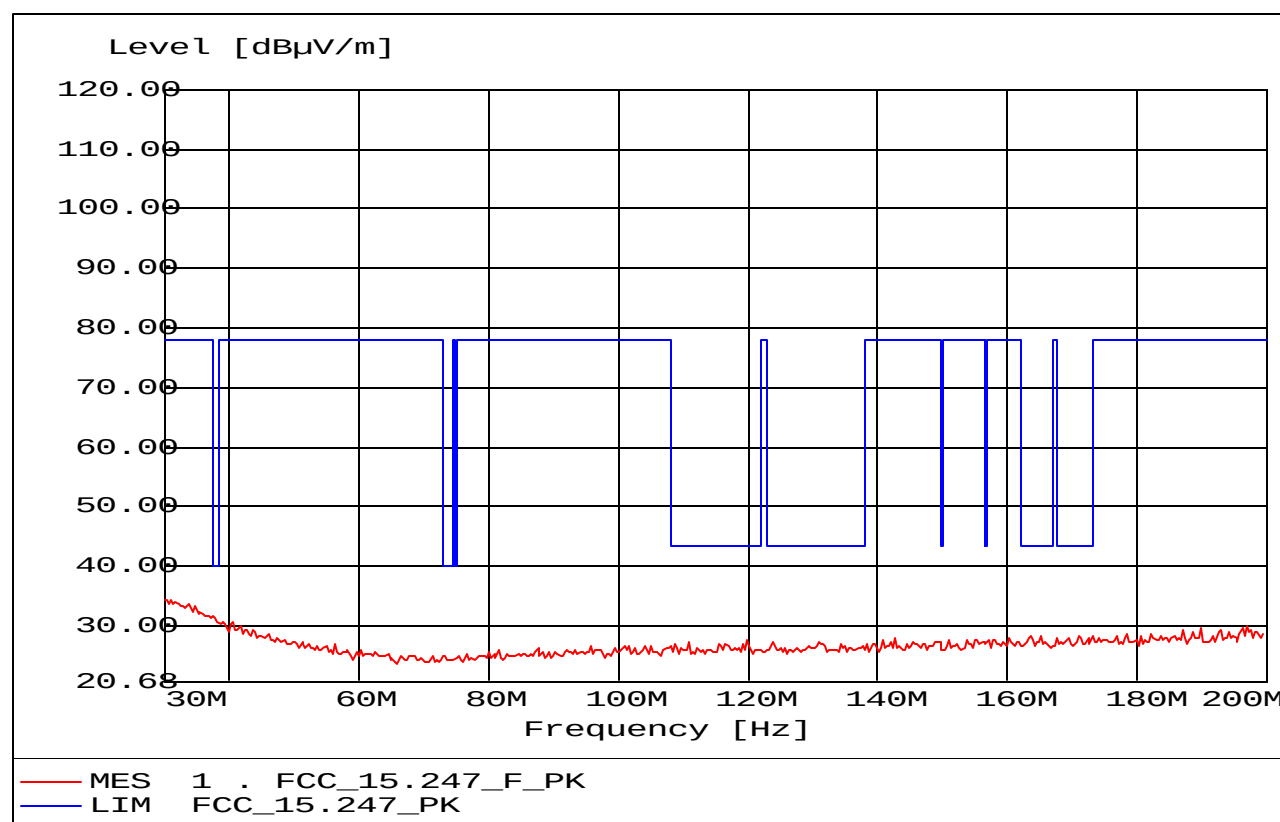
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HK116 vertical

Freq: 30.000MHz, **E_{max}:** 34.45dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

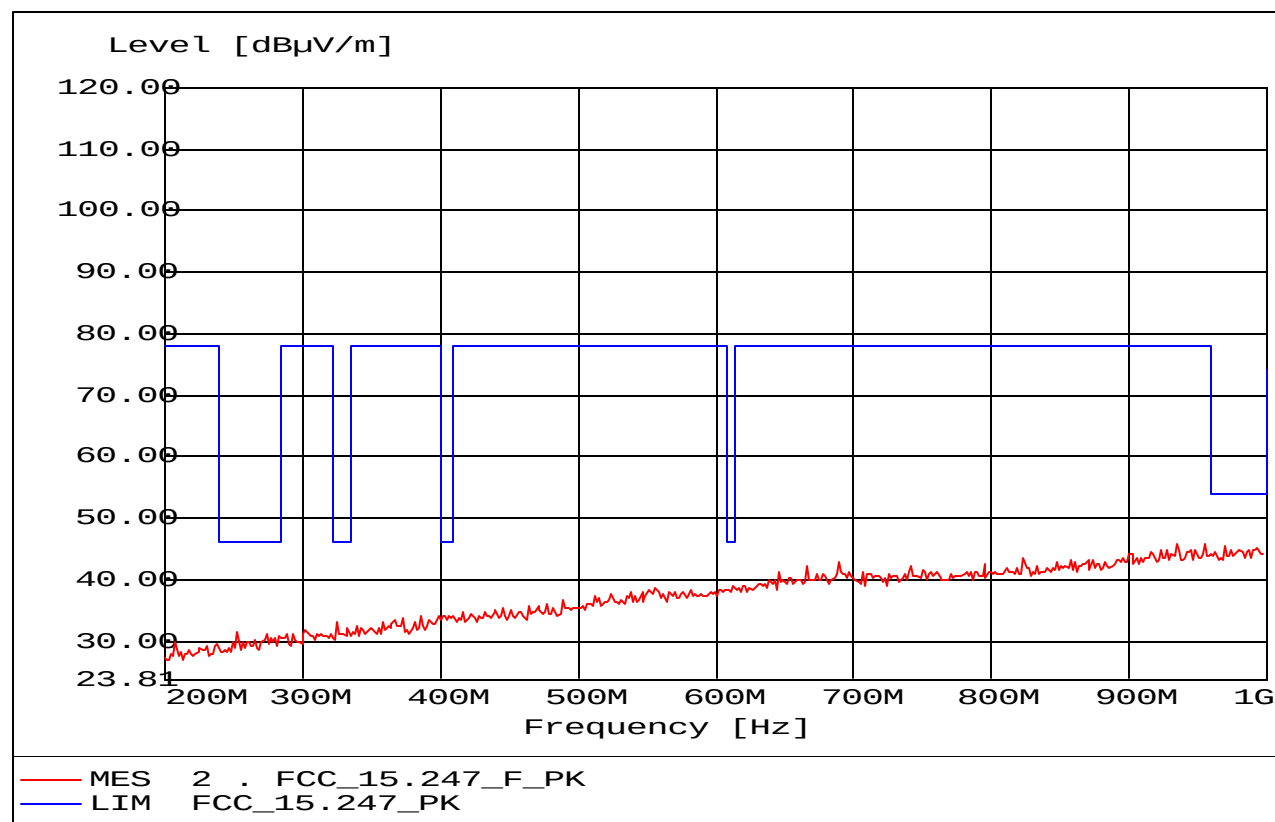
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 horizontal

Freq: 955.110MHz, **E_{max}:** 45.87dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settins: Channel 78 and Channel 11, continuous TX on

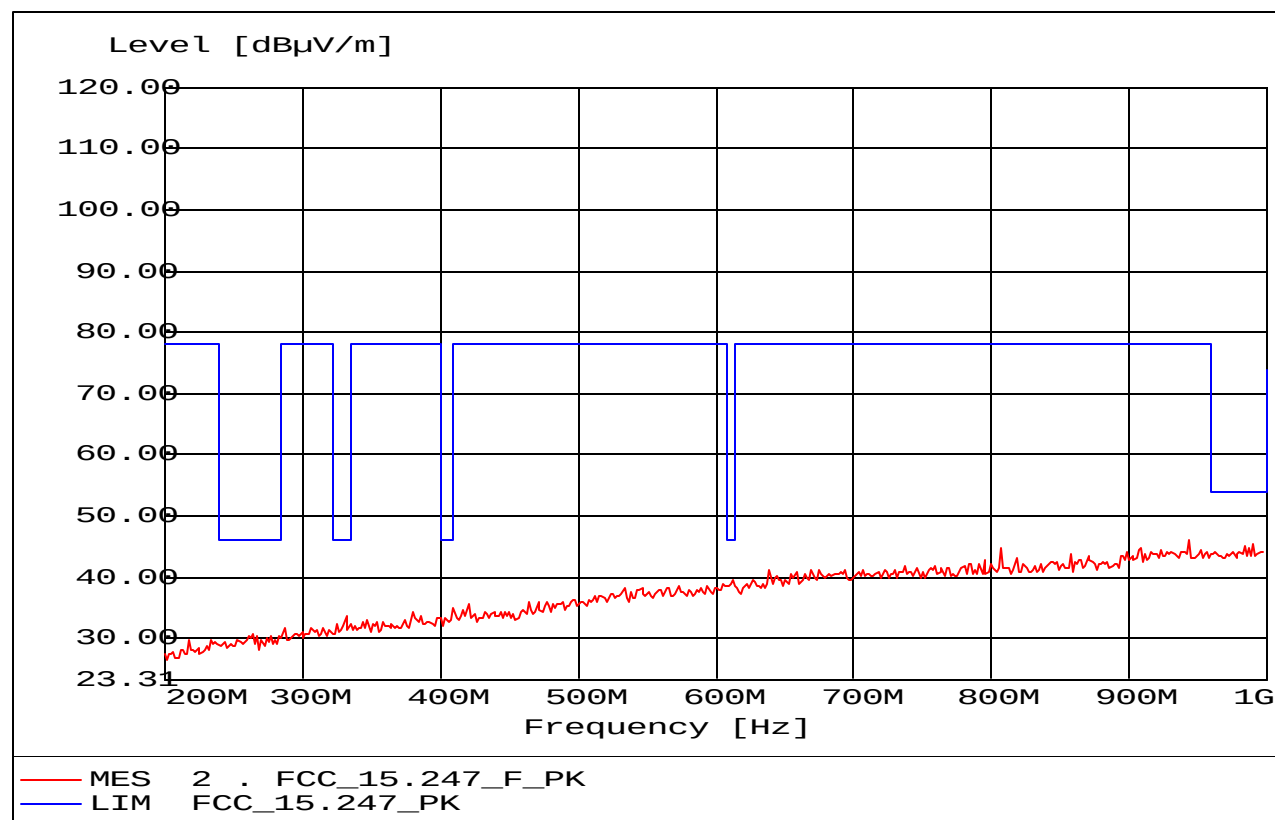
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 vertical

Freq: 943.888MHz, **E_{max}:** 45.89dBμV/m, **RBW:** 100kHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

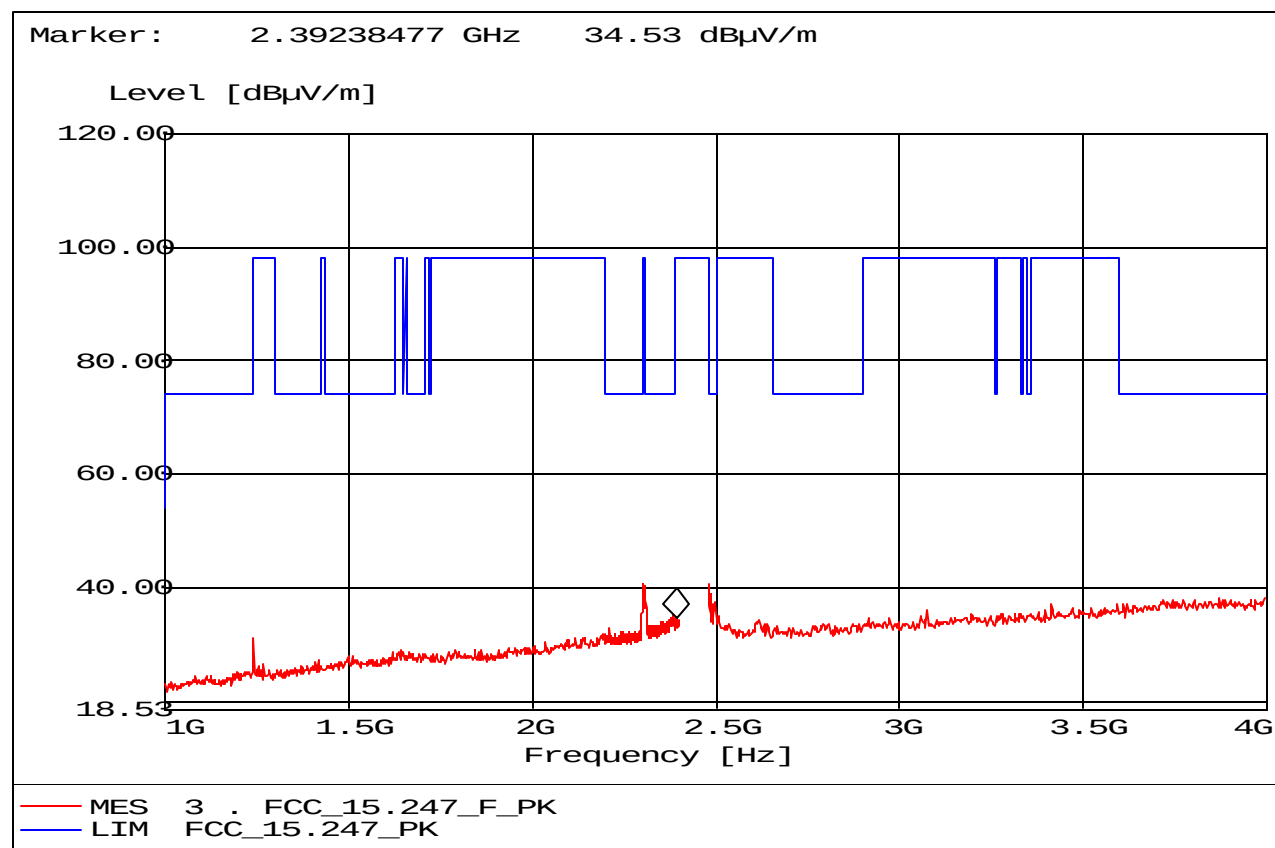
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 2.305GHz, Emax: 40.84dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

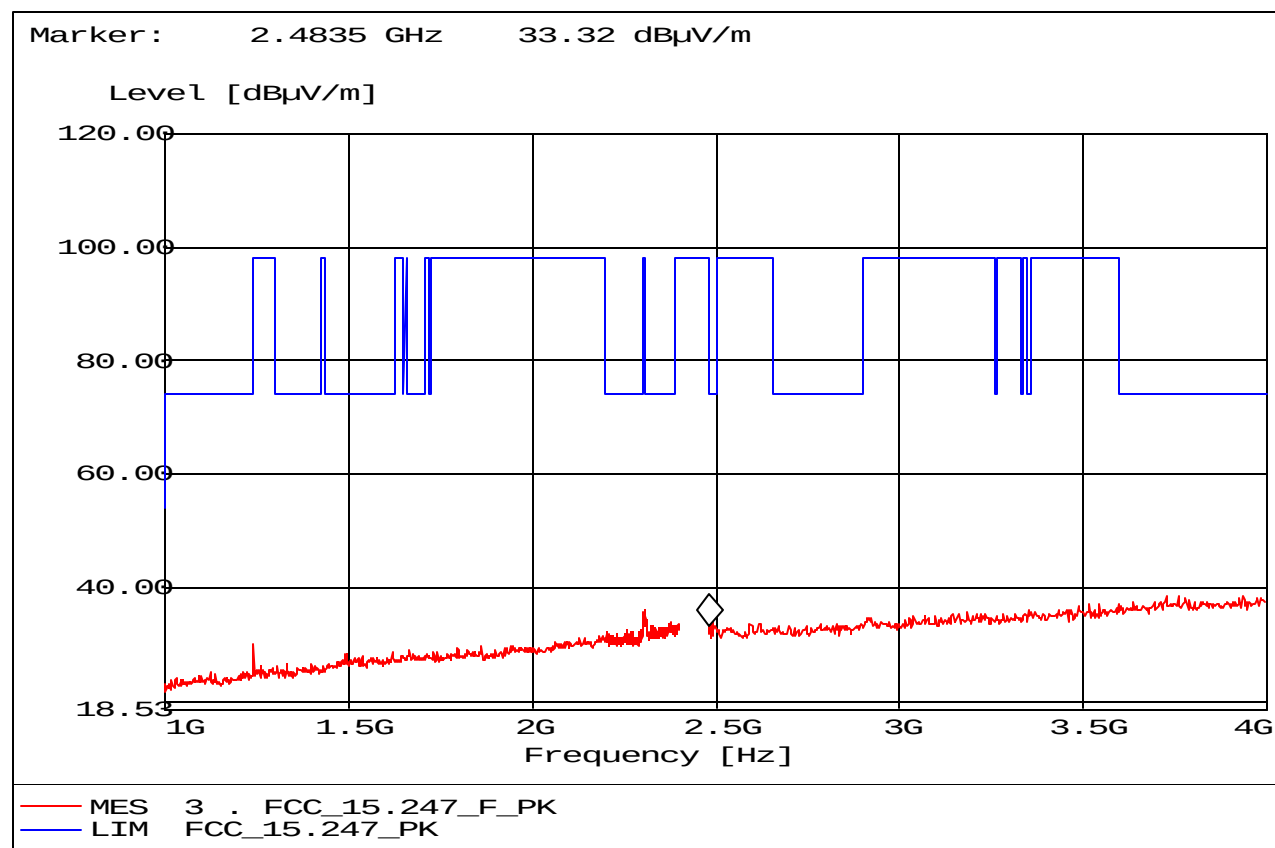
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.728GHz, **E_{max}:** 38.65dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

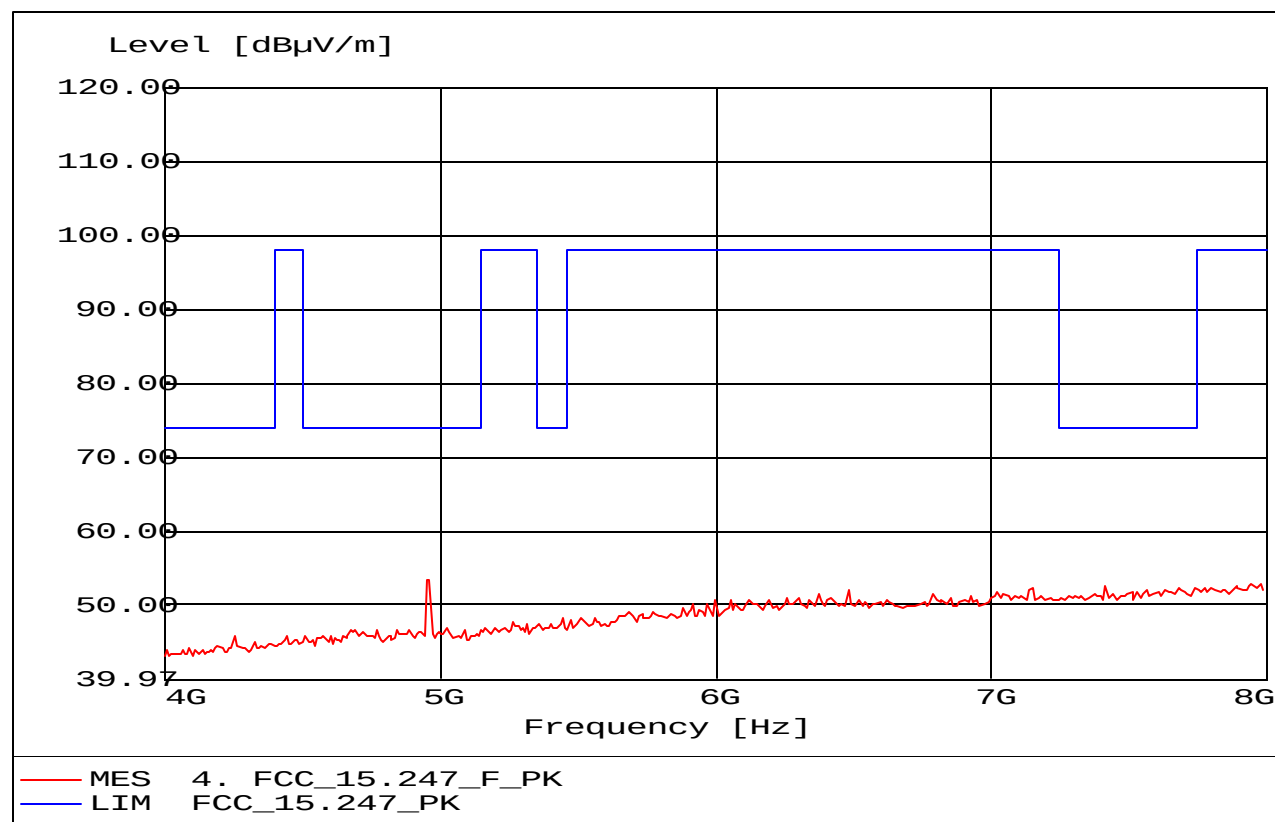
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 4.962GHz, Emax: 53.44dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

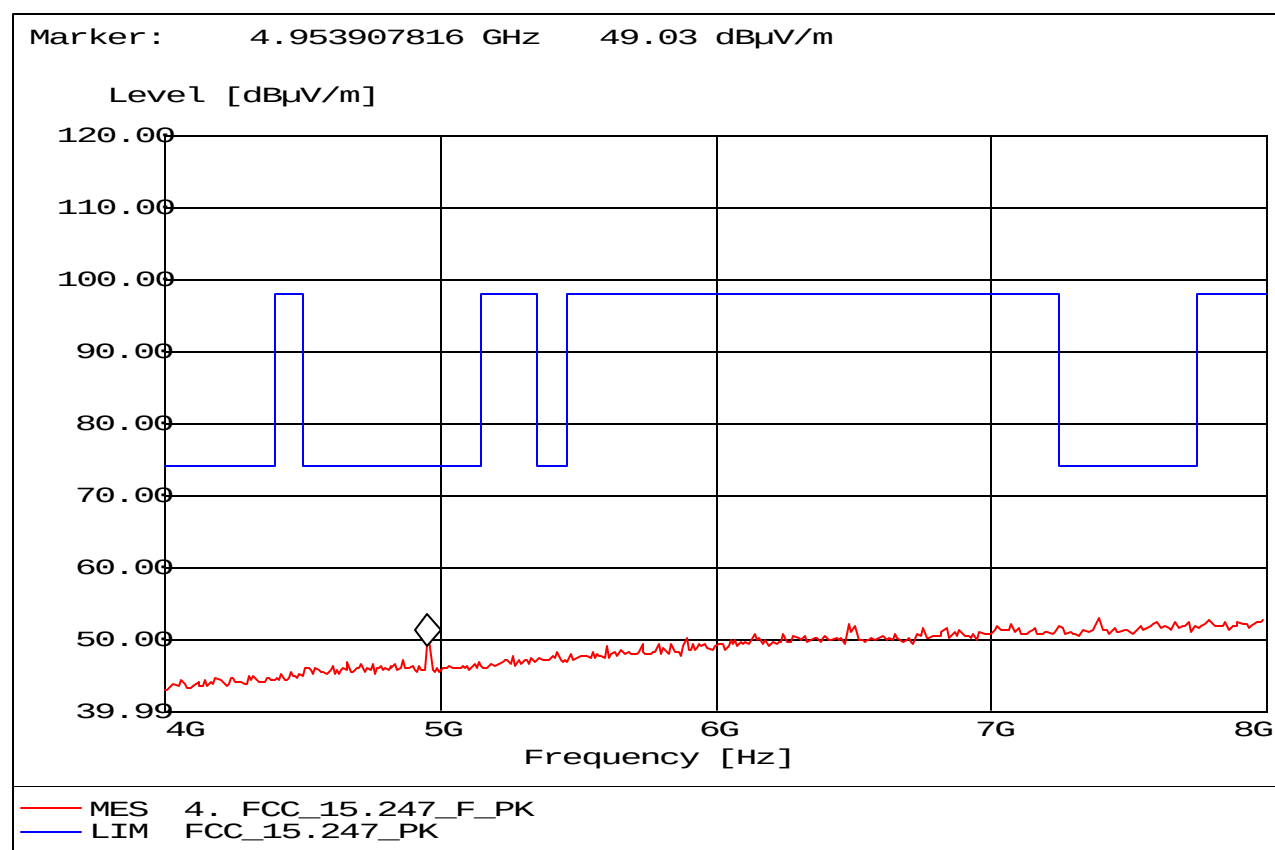
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.391GHz, Emax: 53.10dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

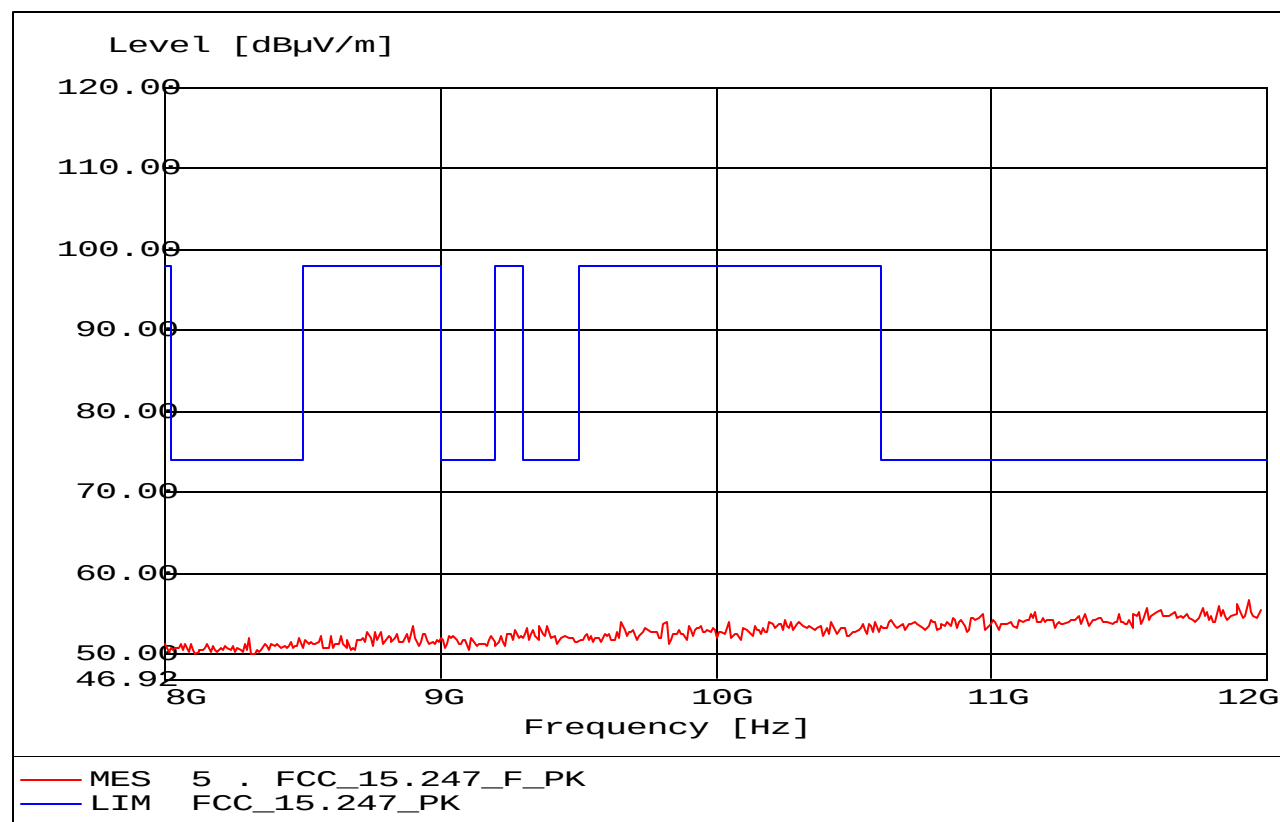
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 11.936GHz, Emax: 56.70dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

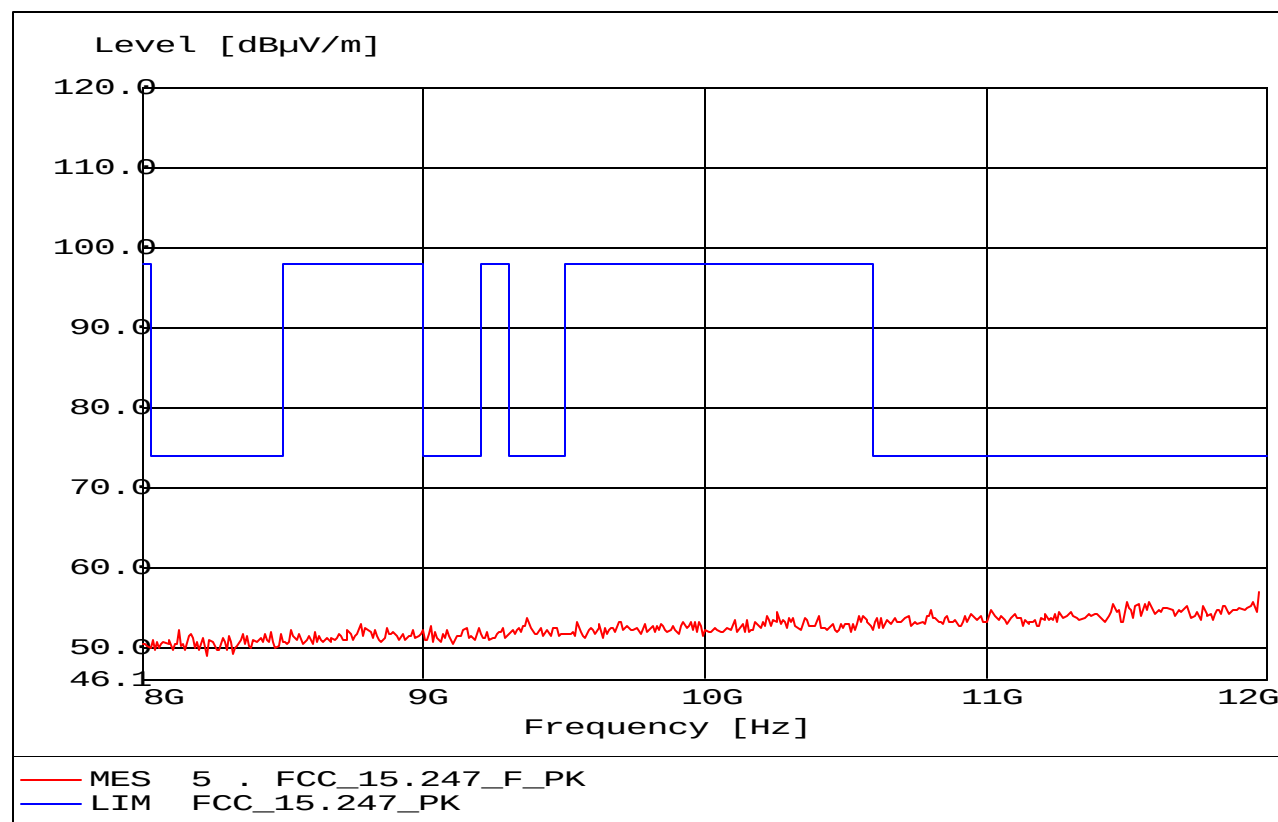
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.976GHz, **E_{max}:** 57.02dB $\mu\text{V/m}$, **RBW:** 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

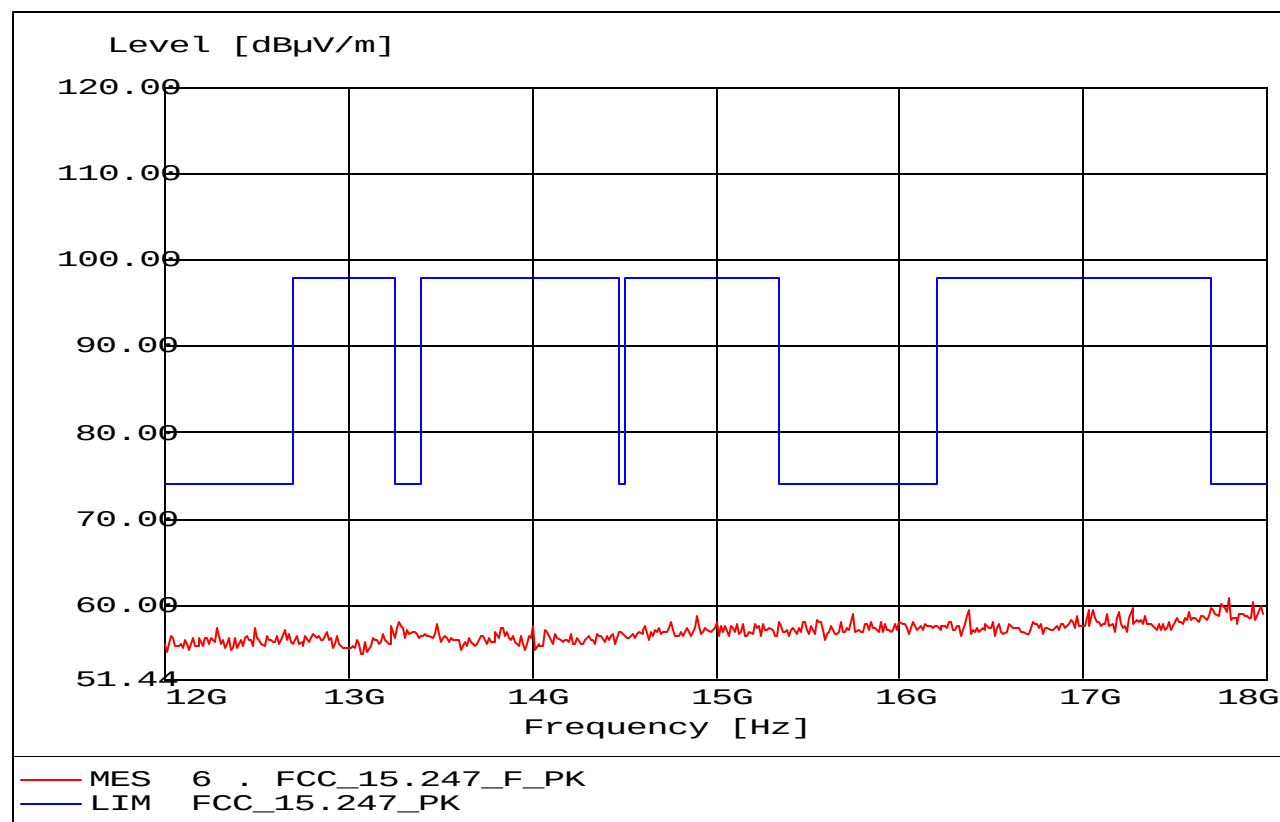
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.796GHz, Emax: 60.77dB $\mu\text{V/m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

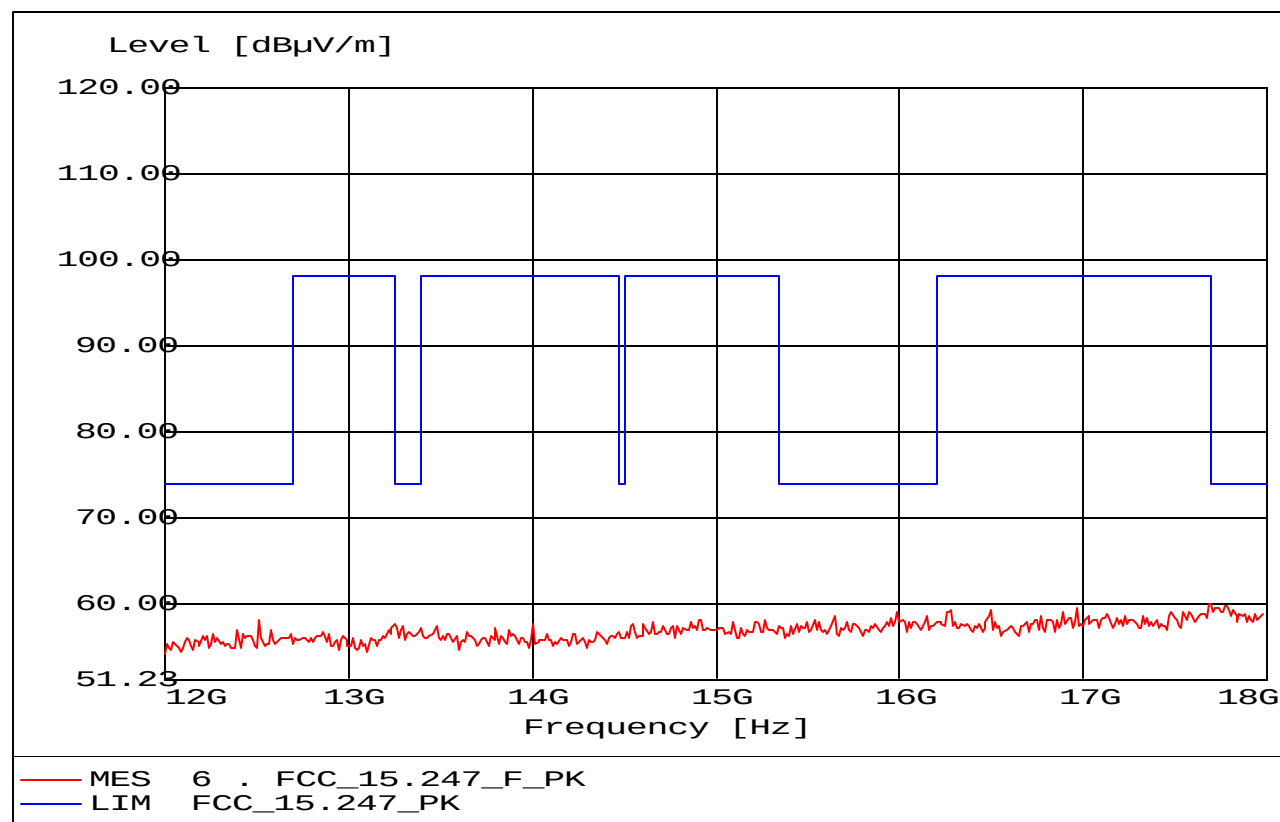
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.687GHz, Emax: 60.06dB $\mu\text{V}/\text{m}$, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

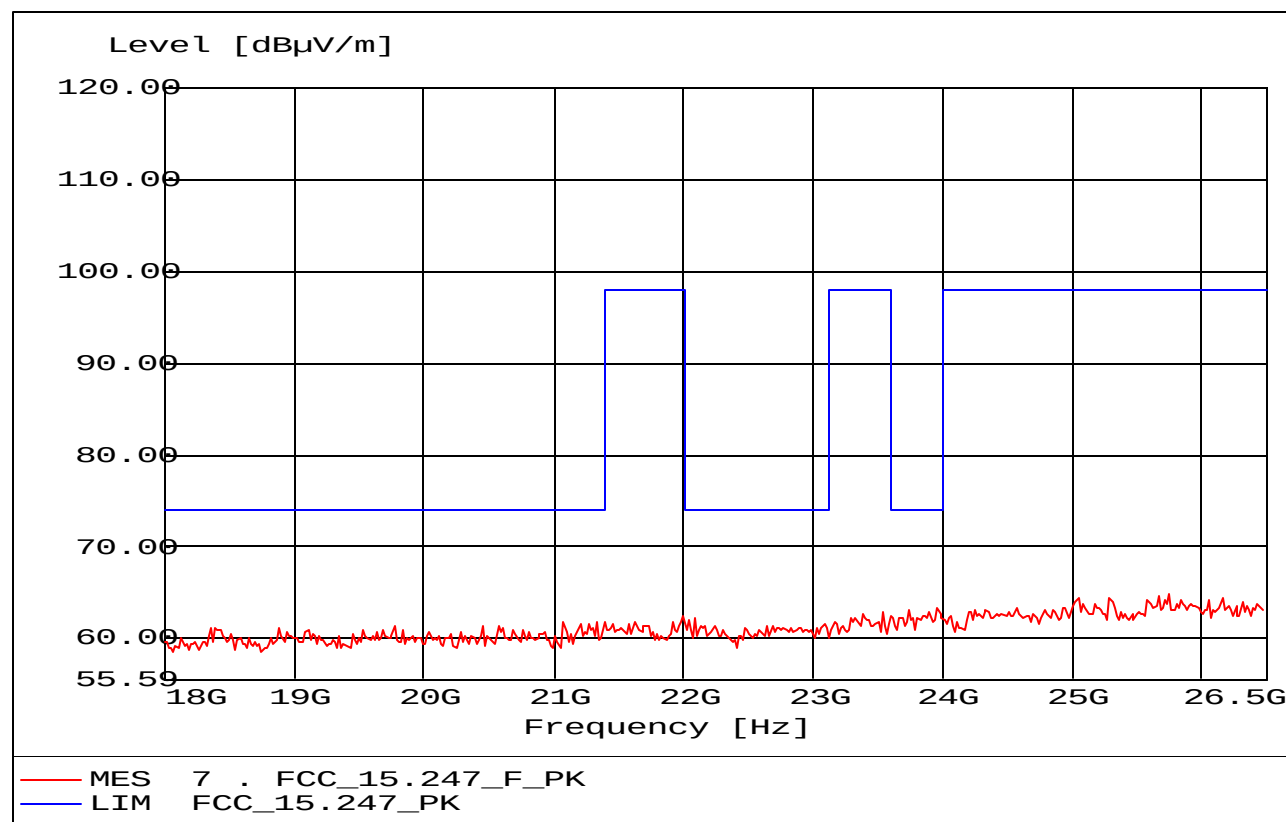
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 25.751GHz, Emax: 64.85dBμV/m, RBW: 1MHz



Spurious Emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

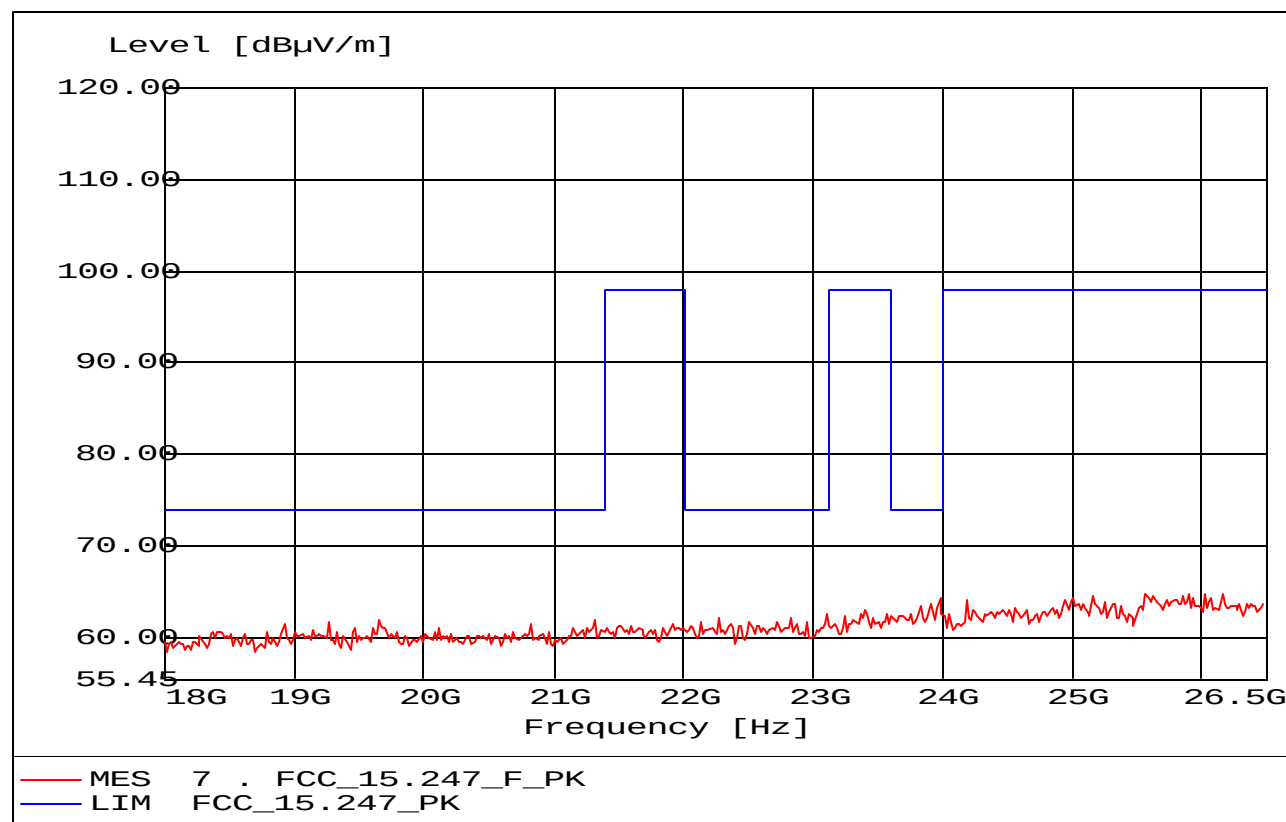
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Jahn

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 26.159GHz, **E_{max}:** 64.88dBμV/m, **RBW:** 1MHz



2nd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: Channel 78 and Channel 11, continuous TX on

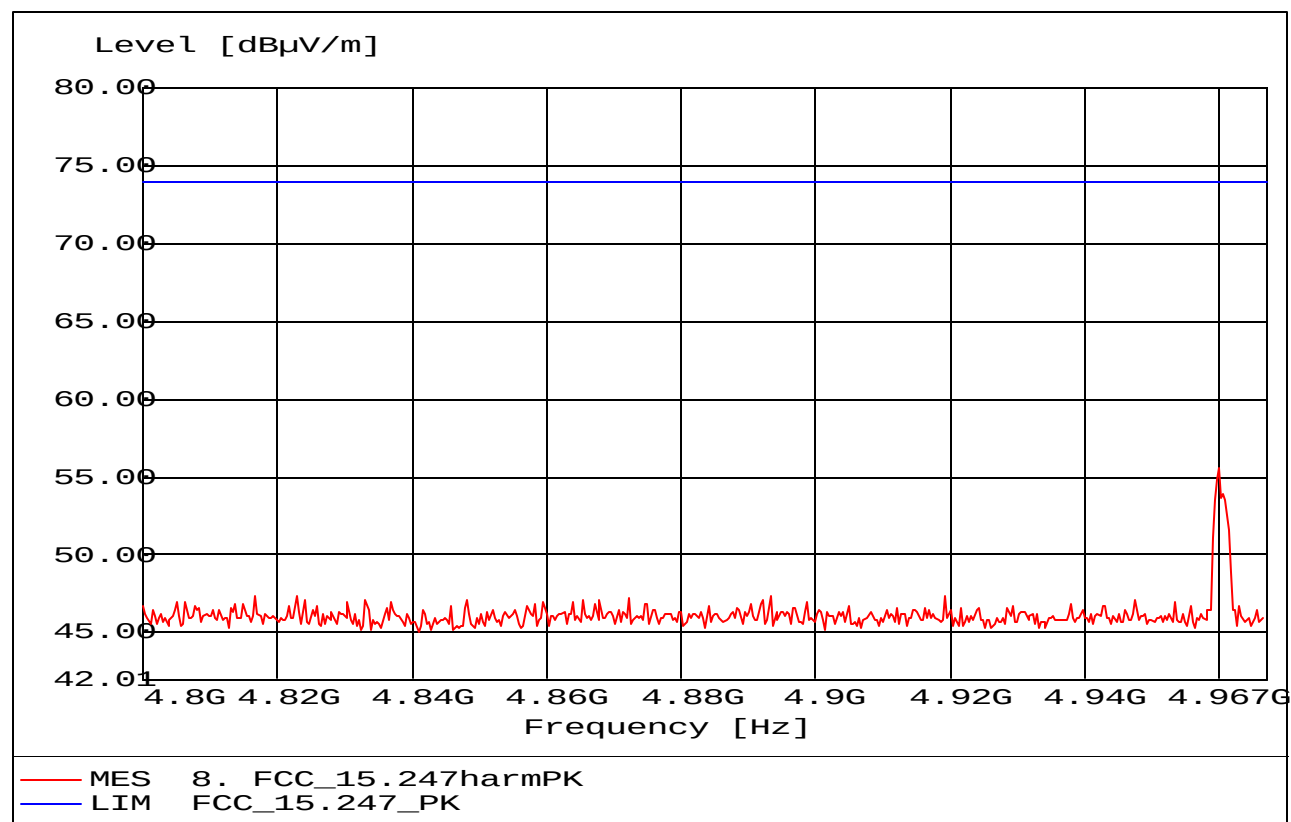
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

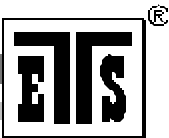
Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

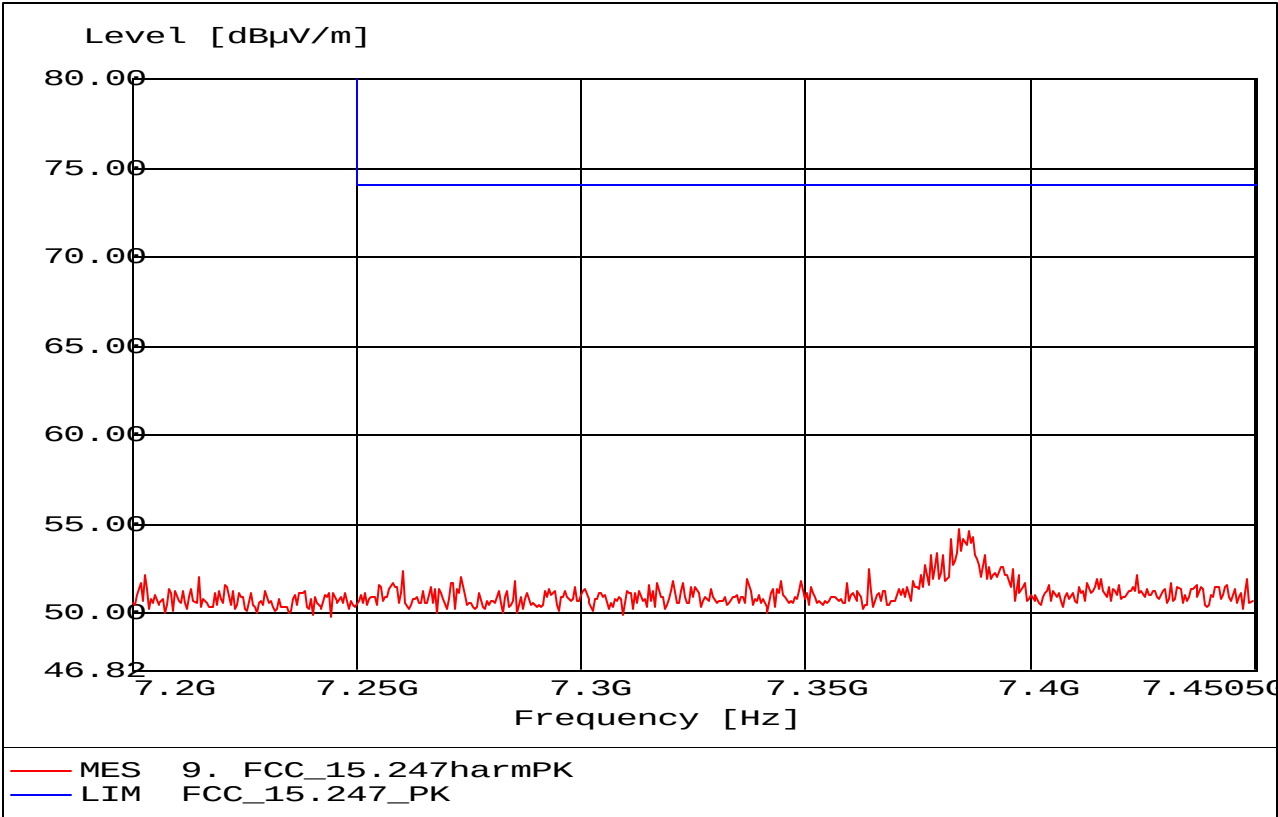
Freq: 4.960GHz, Emax: 55.61dB $\mu\text{V/m}$, RBW: 1MHz





3rd Harmonic Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT/Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500
Manufacturer : Hand Held Products, Inc.
EUT Setings: Channel 78 and Channel 11, continuous TX on
Operating Condition: t nom=22°C Internal battery
Test Site / Operator: ETS / Mr. Schultze
Test Specification: according to §15.35, Limit 20 dB up (peak detector)
Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical
Freq: 7.384GHz, Emax: 54.71dBµV/m, RBW: 1MHz



Radiated Maximum Peak Power
FCC RULES PART 15, SUBPART C

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: Channel 78 and Channel 11, continuous TX on

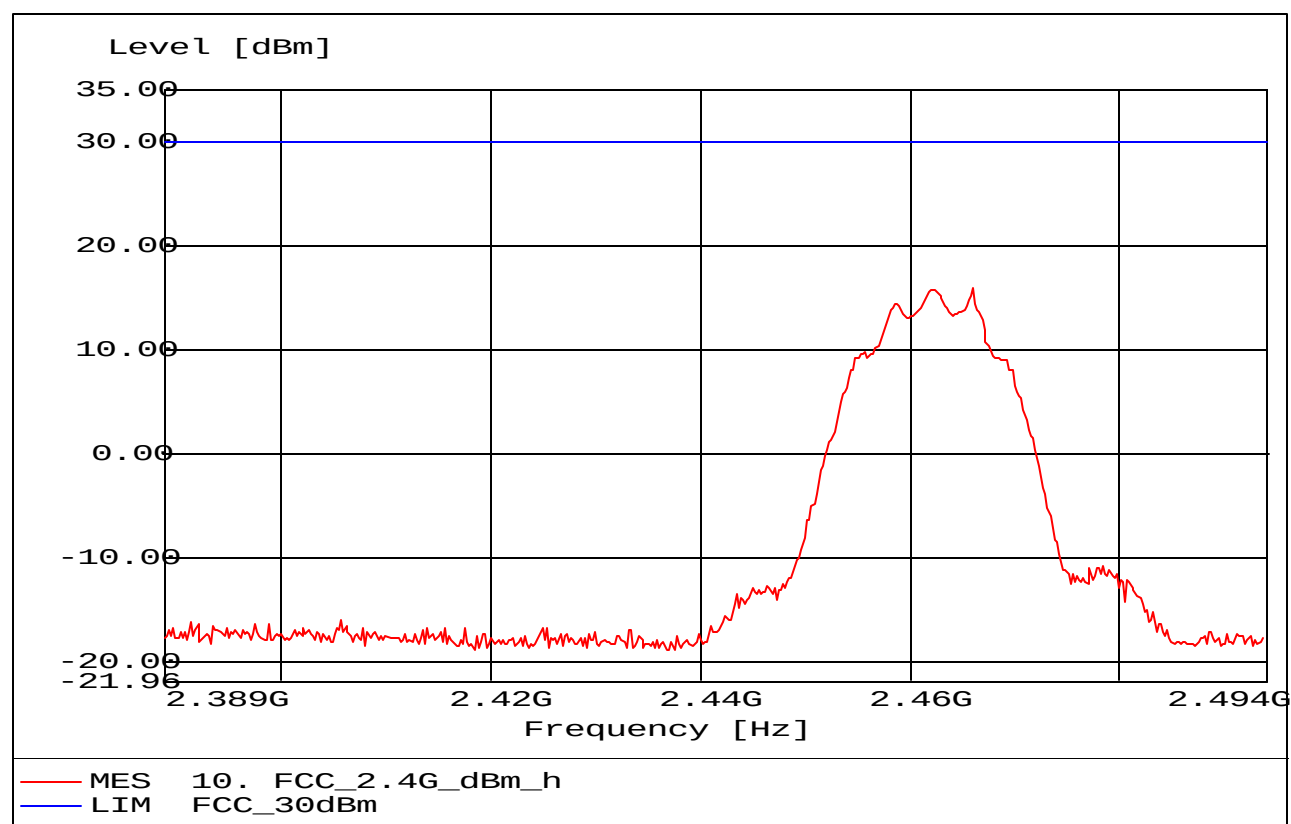
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.247 / mode: Tx

Comment 1: Dist.: 3m, Ant.: HL025 horizontal

Freq: 2.466GHz, P_{max} : 15.91dBm, RBW: 5MHz



Mode RX

Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

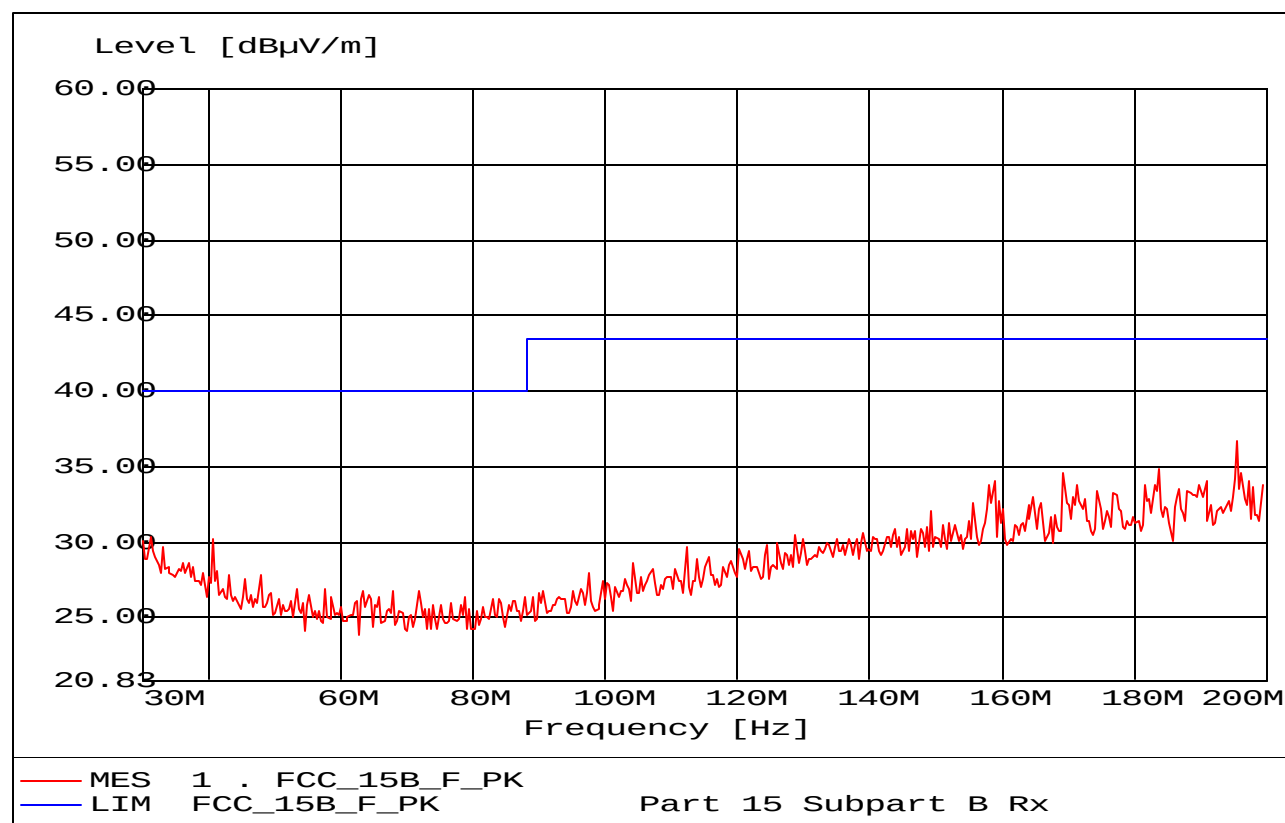
EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.109

Comment 1: Dist.: 3m, Ant.: HK116 horizontal

Freq: 195.571MHz, Emax: 36.72dB μ V/m, RBW: 100kHz

Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

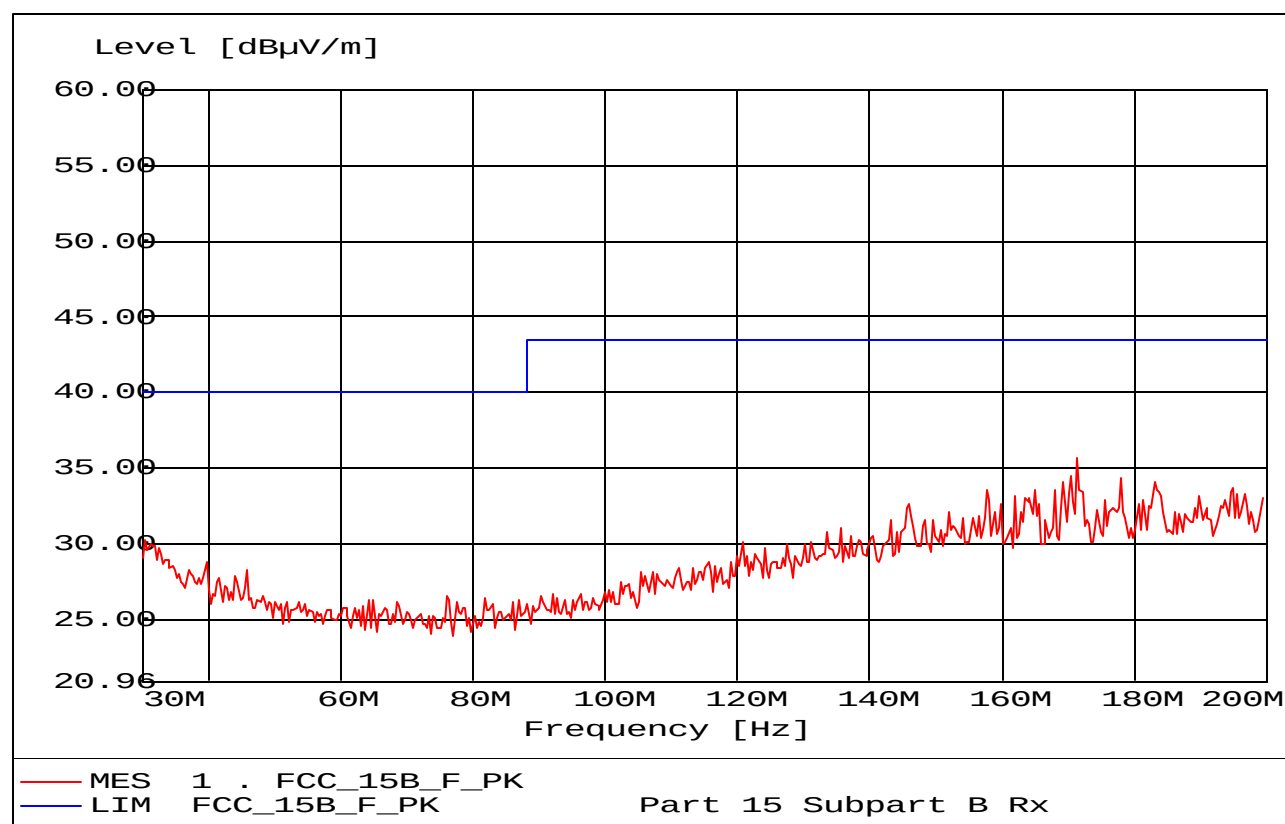
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.109

Comment 1: Dist.: 3m, Ant.: HK116 vertical

Freq: 171.383MHz, Emax: 35.71dB μ V/m, RBW: 100kHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

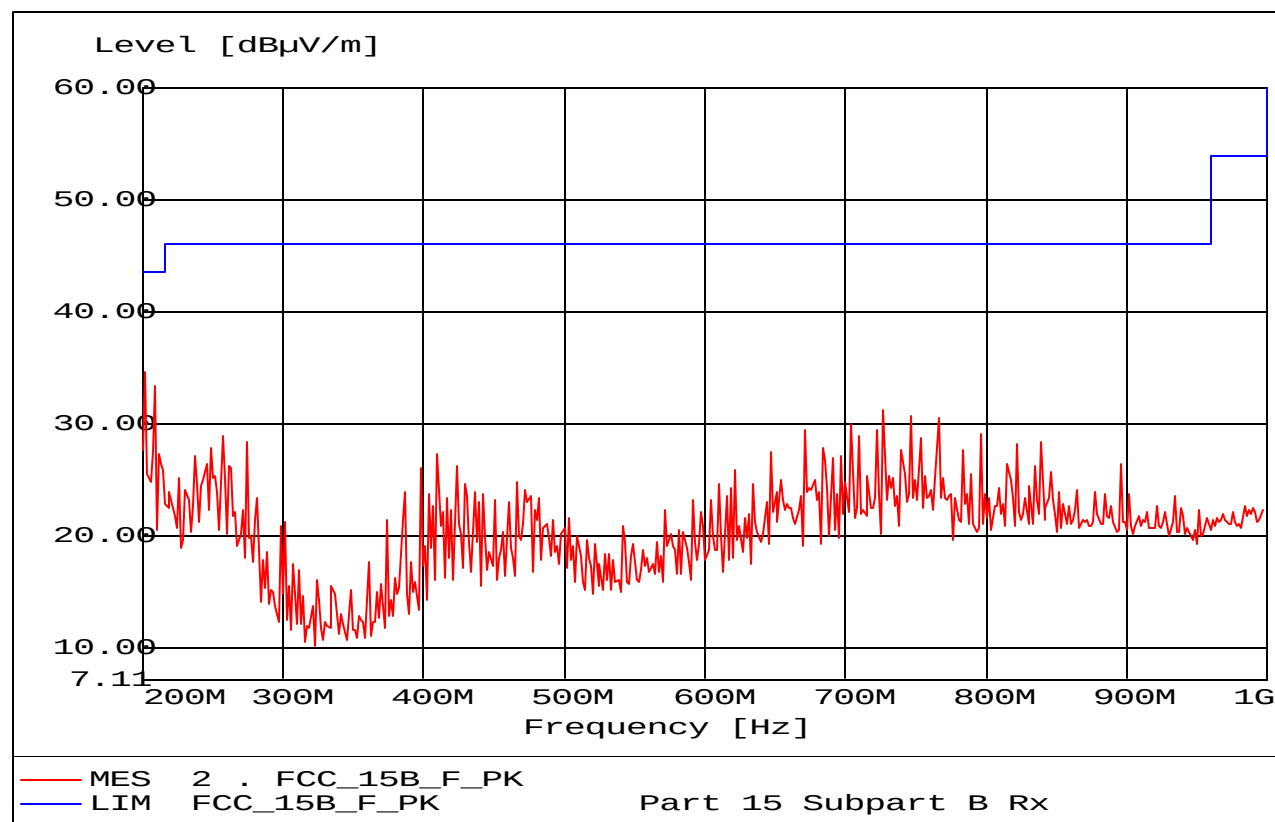
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.109

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 horizontal

Freq: 201.603MHz, Emax: 34.62dB μ V/m, RBW: 100kHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: both radio units set to RX, BT hopping / WLAN Ch 6

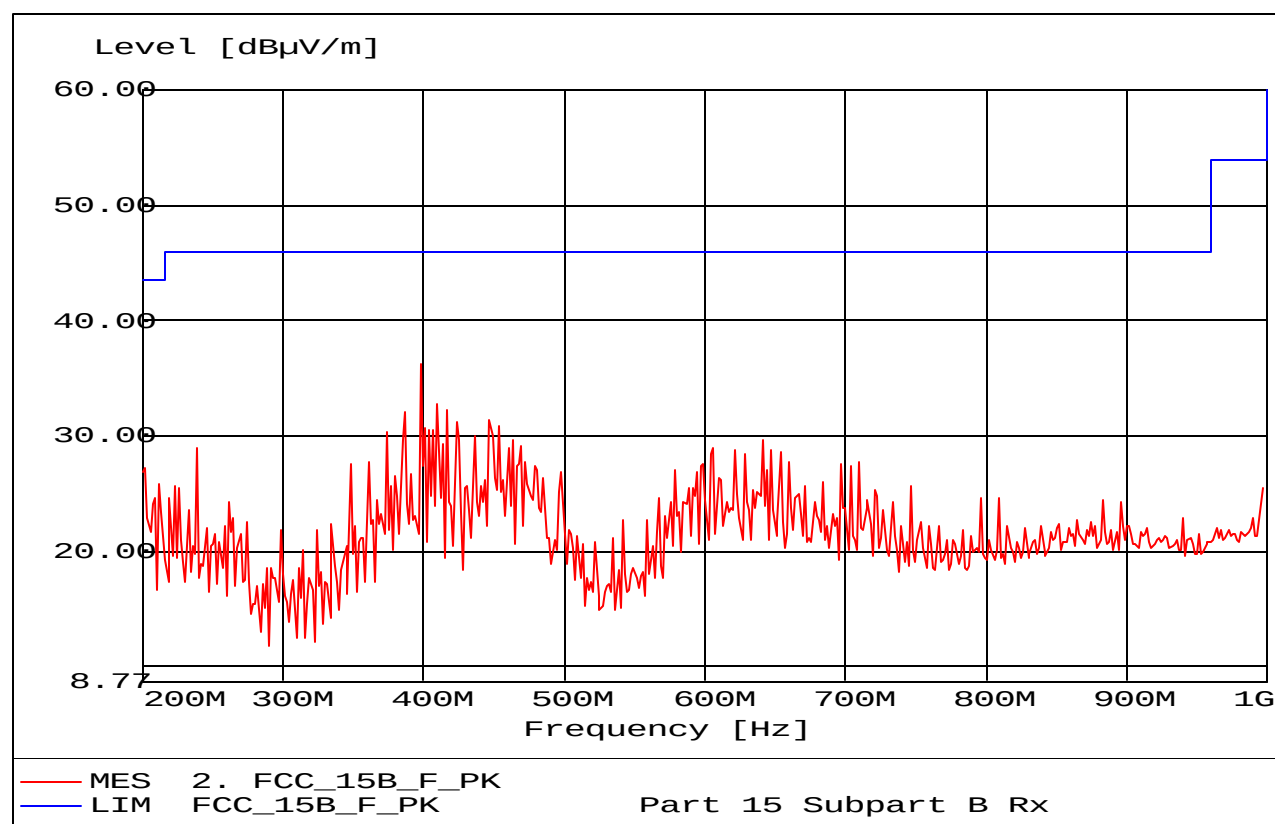
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.109

Comment 1: Dist.: 3m, Amplif., Ant.: HL223 vertical

Freq: 397.194MHz, Emax: 36.17dB μ V/m, RBW: 100kHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

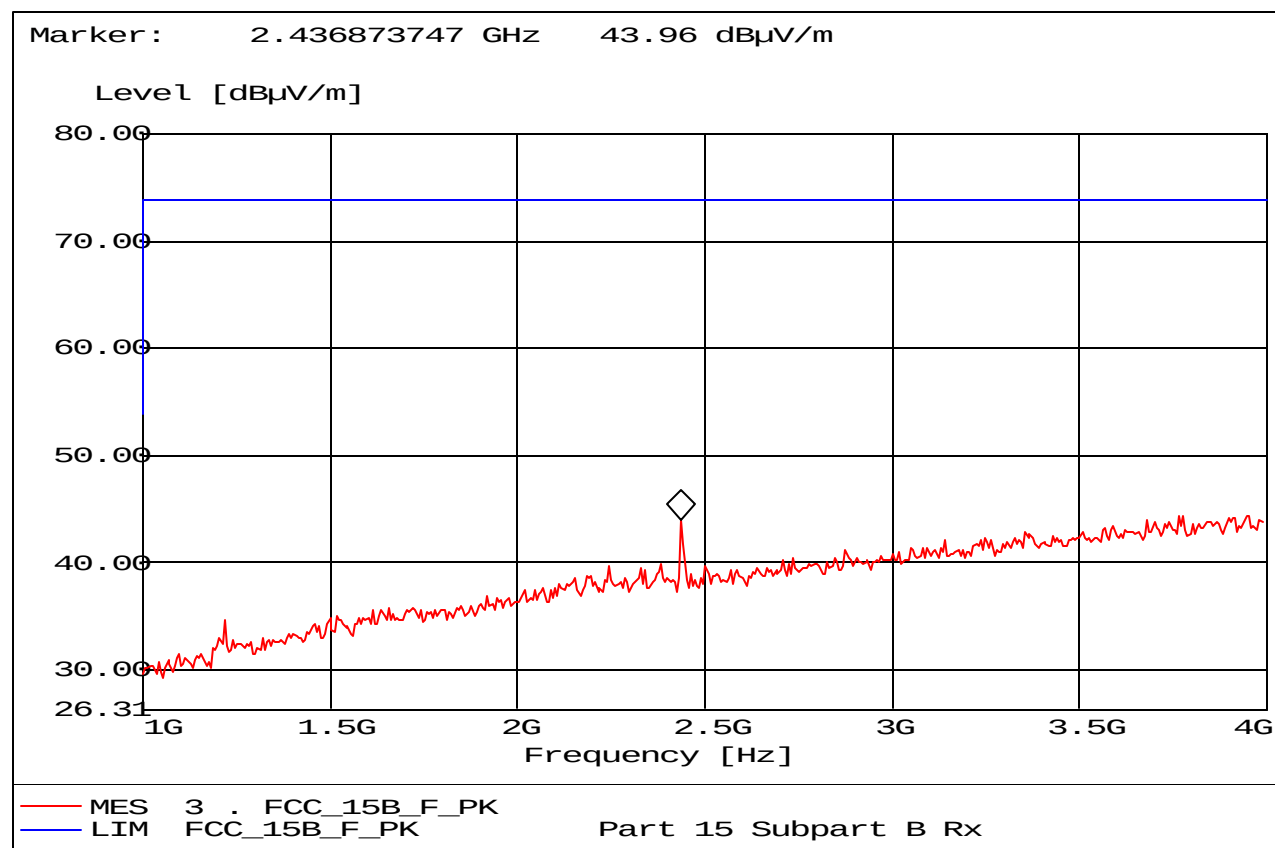
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 3.952GHz, Emax: 44.42dB μ V/m, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: both radio units set to RX, BT hopping / WLAN Ch 6

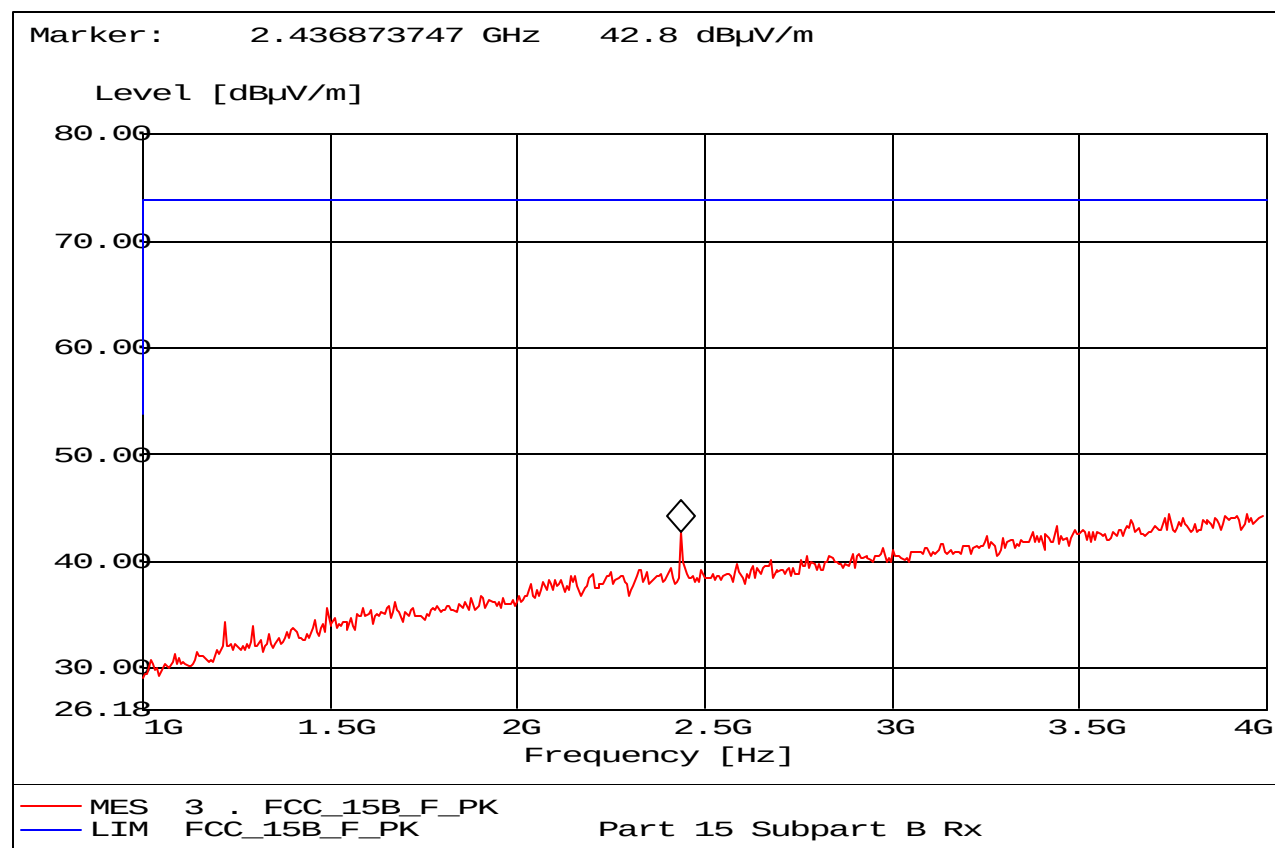
Operating Condition: t nom=22°C Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 3.946GHz, Emax: 44.49dBµV/m, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

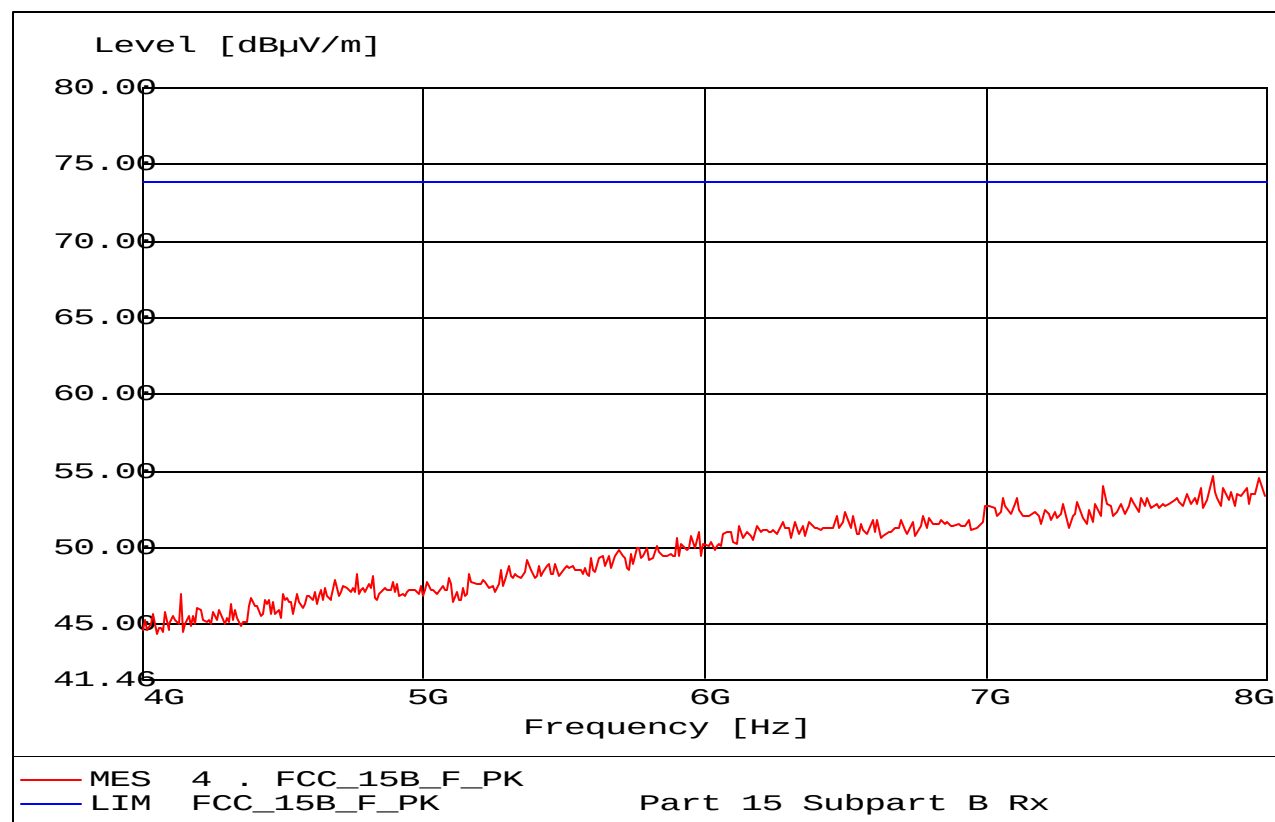
EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal
 Freq: 7.808GHz, Emax: 54.72dB $\mu\text{V/m}$, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

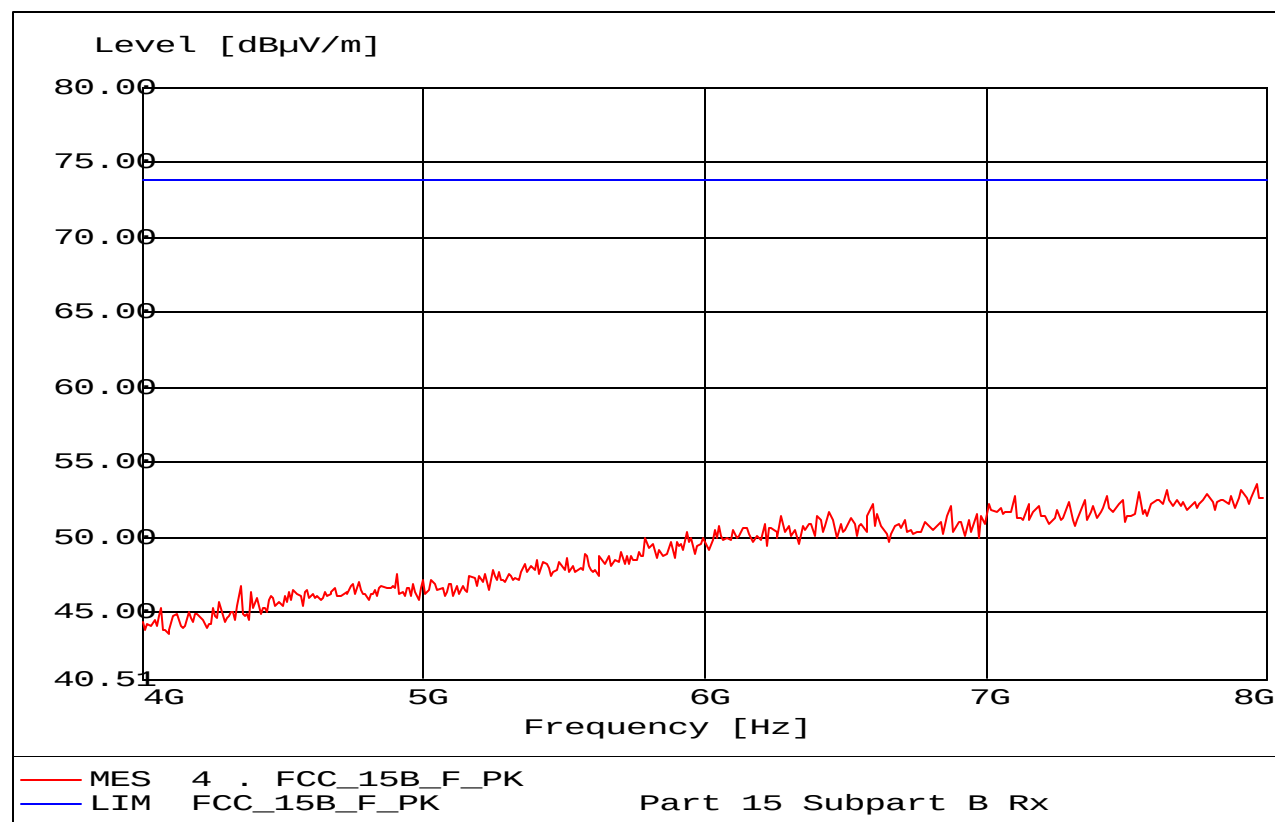
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 7.968GHz, Emax: 53.47dB $\mu\text{V/m}$, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: both radio units set to RX, BT hopping / WLAN Ch 6

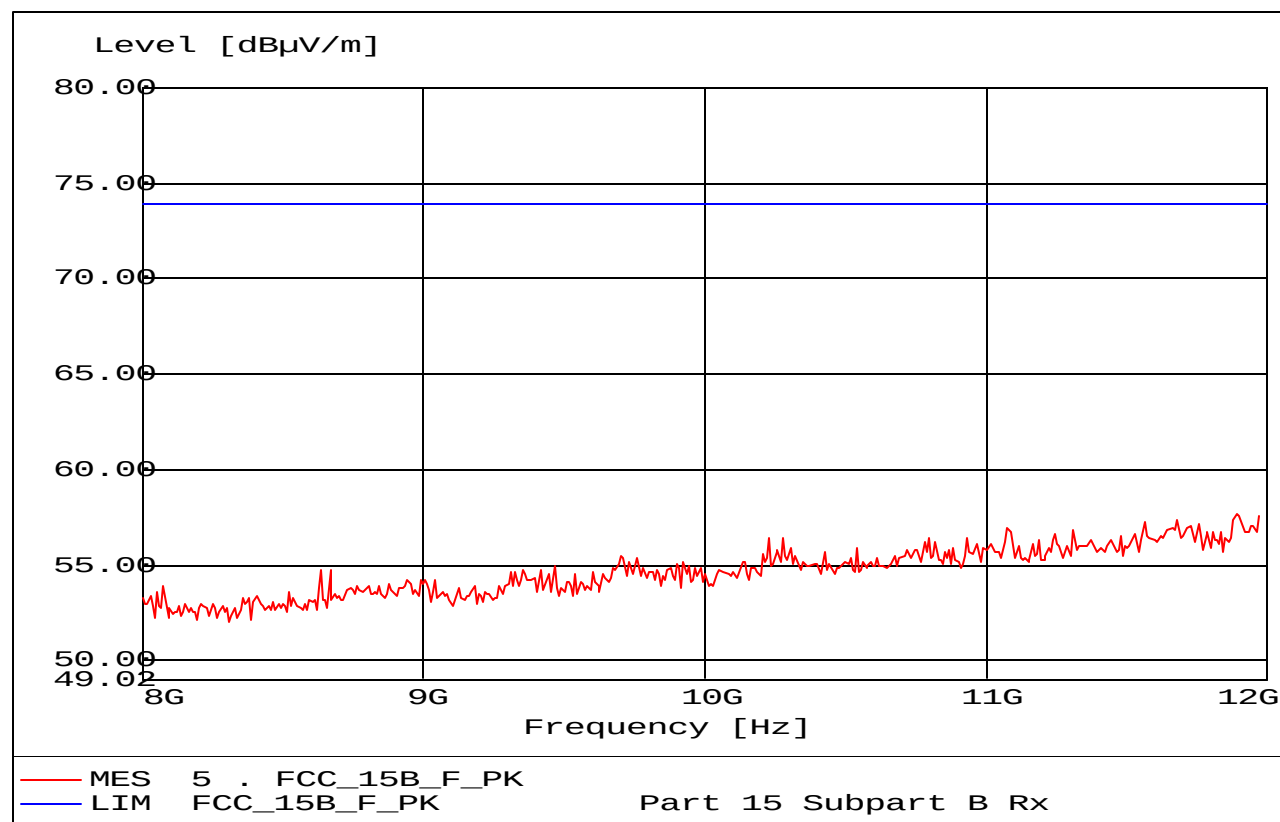
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.896GHz, **E_{max}:** 57.63dB $\mu\text{V/m}$, **RBW:** 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

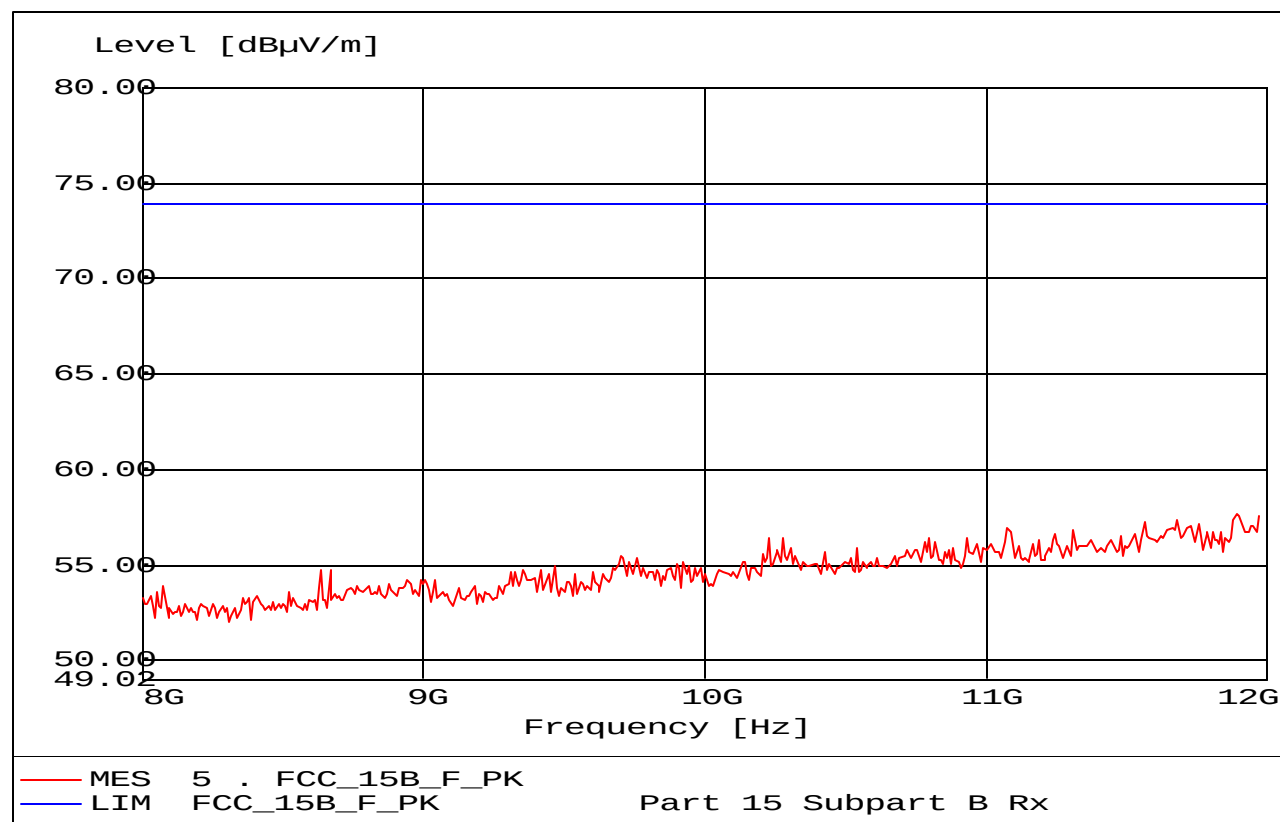
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 11.896GHz, Emax: 57.63dB $\mu\text{V/m}$, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

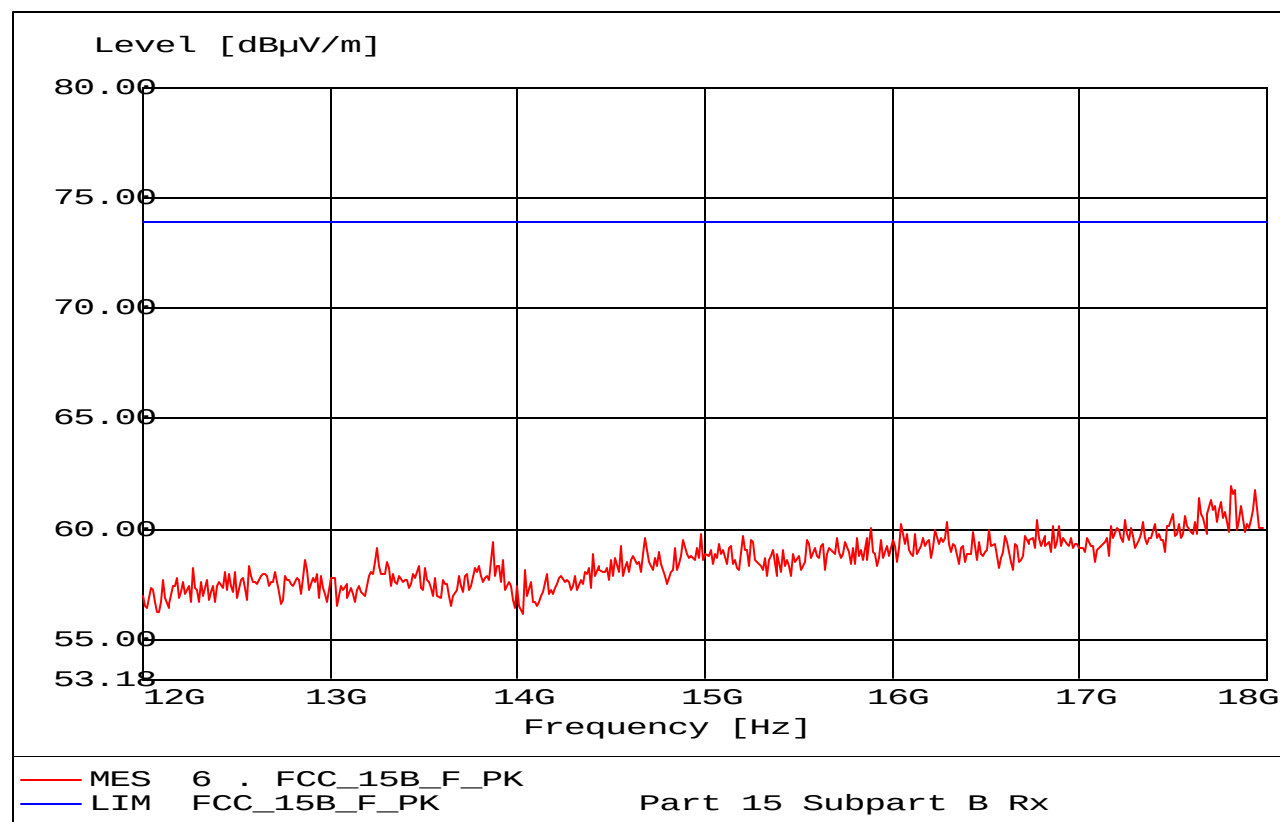
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 17.808GHz, Emax: 61.95dB μ V/m, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Settings: both radio units set to RX, BT hopping / WLAN Ch 6

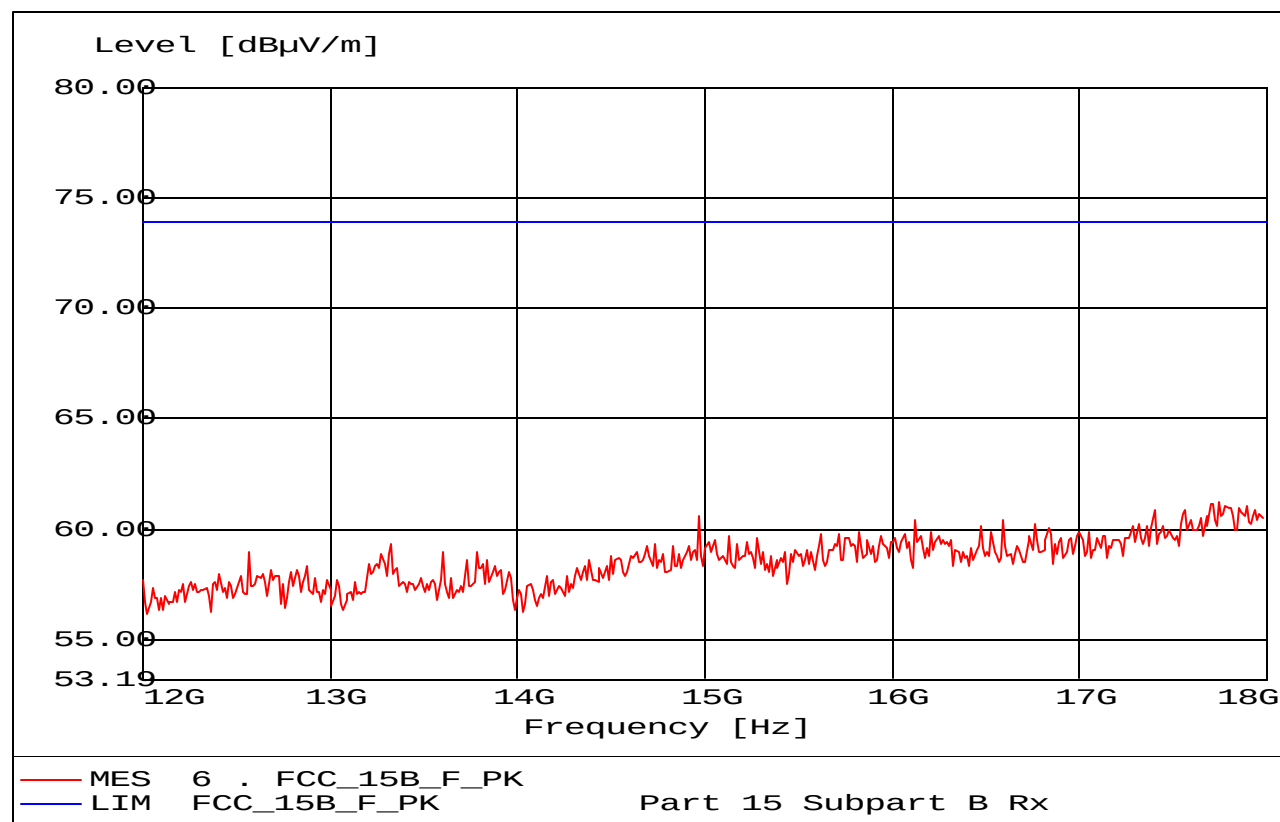
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.747GHz, Emax: 61.19dB $\mu\text{V/m}$, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: both radio units set to RX, BT hopping / WLAN Ch 6

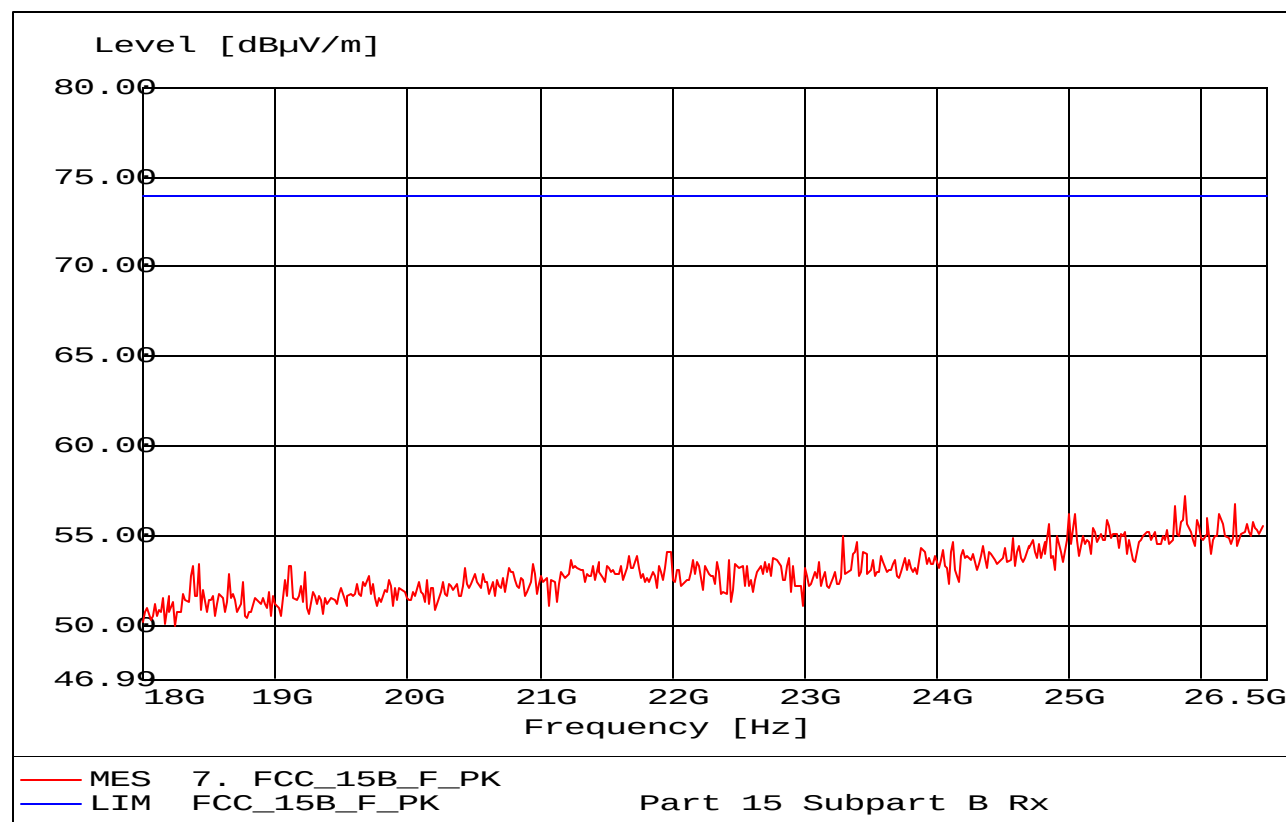
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 horizontal

Freq: 25.887GHz, Emax: 57.25dB $\mu\text{V/m}$, RBW: 1MHz



Field Strength under normal conditions
FCC RULES PART 15, SUBPART B

EUT/ Model: Bluetooth and Wireless LAN 802.11b / DOLPHIN 9500

Manufacturer : Hand Held Products, Inc.

EUT Setings: both radio units set to RX, BT hopping / WLAN Ch 6

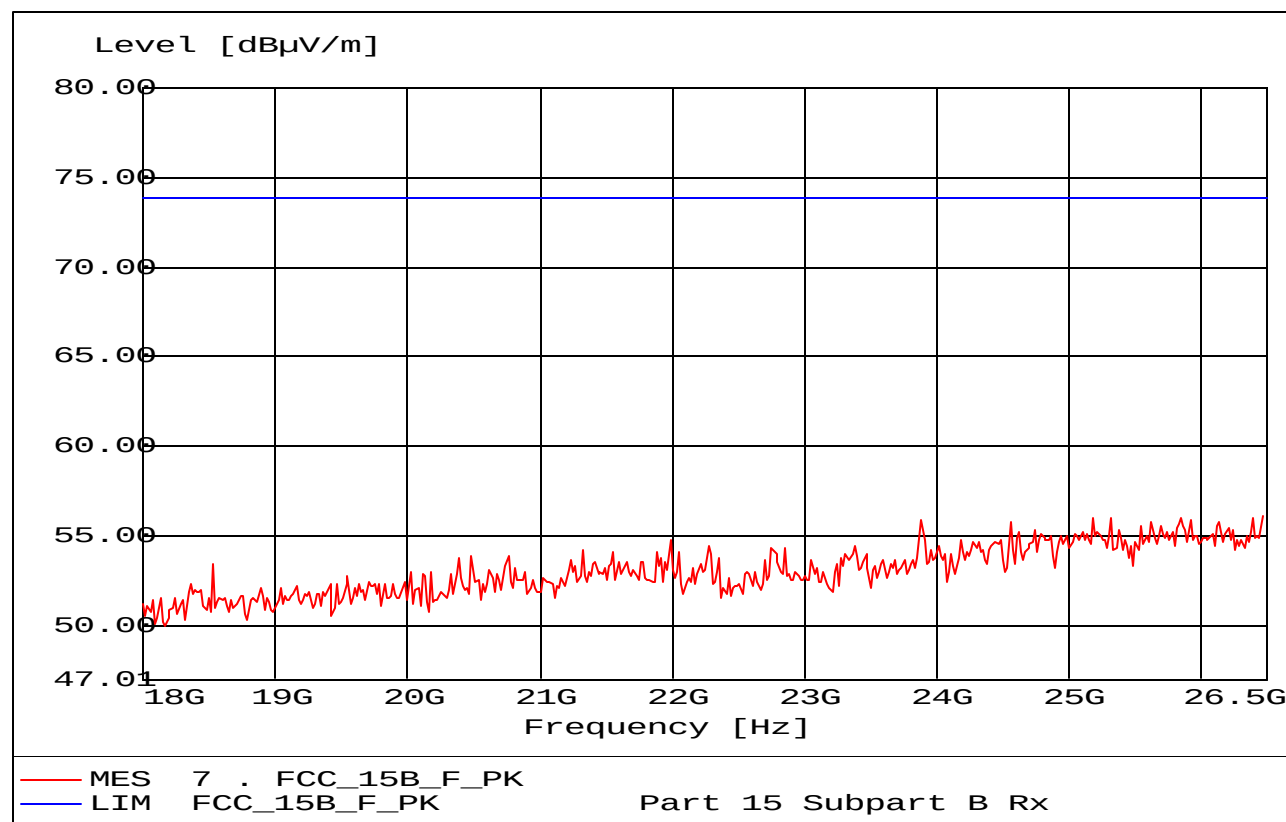
Operating Condition: $t_{nom}=22^{\circ}\text{C}$ Internal battery

Test Site / Operator: ETS / Mr. Schultze

Test Specification: according to §15.35, Limit 20 dB up (peak detector)

Comment 1: Dist.: 3m, Amplif., Ant.: HL025 vertical

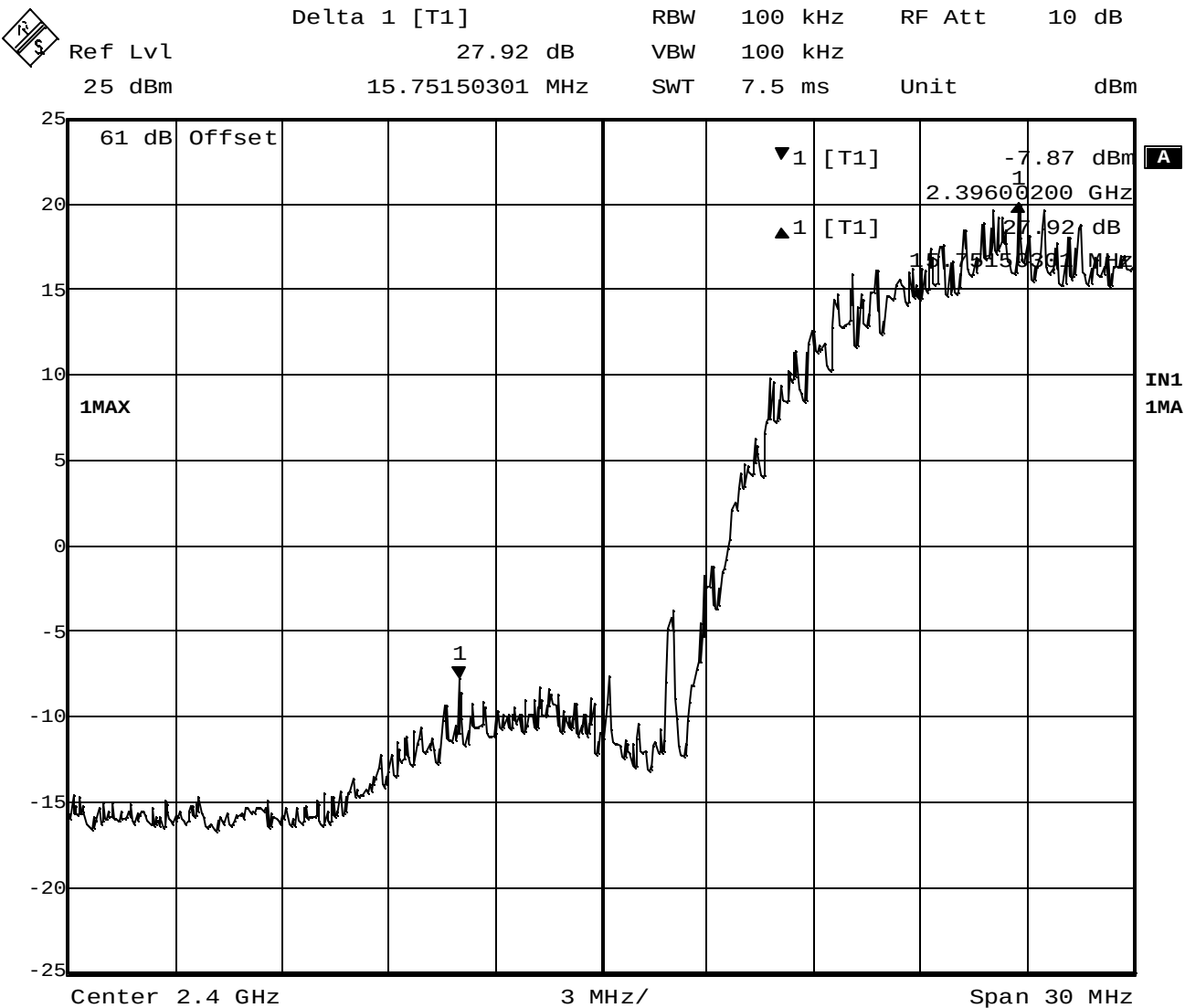
Freq: 26.466GHz, Emax: 56.11dB $\mu\text{V/m}$, RBW: 1MHz



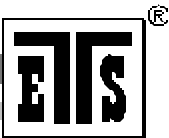


Band edges

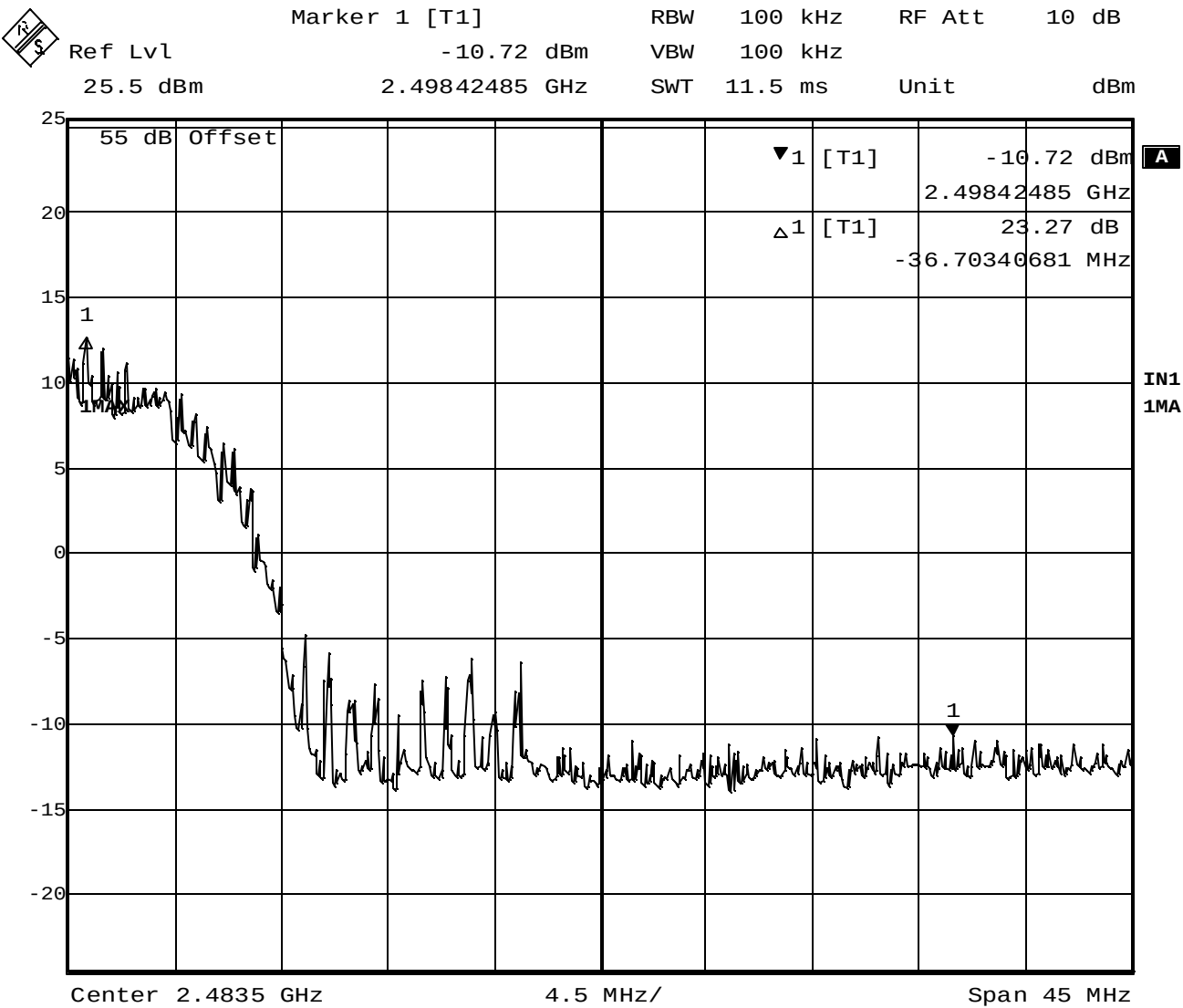
worst case with 802.11b channel 1 and BlueTooth in hopping mode



Date: 18.JUL.2003 13:21:52



worst case with 802.11b channel 11 and BlueTooth in hopping mode

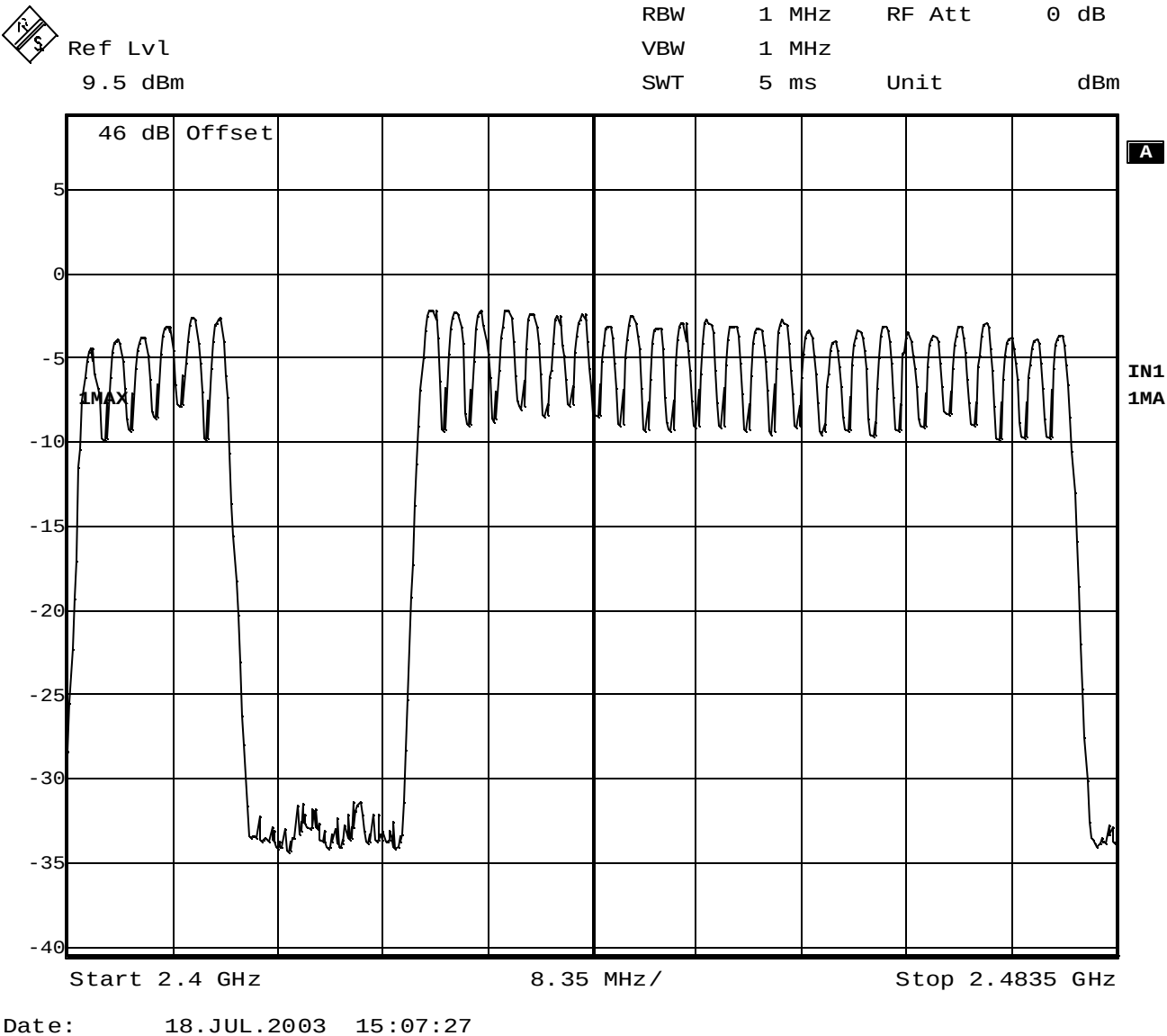


Date: 18.JUL.2003 13:45:30



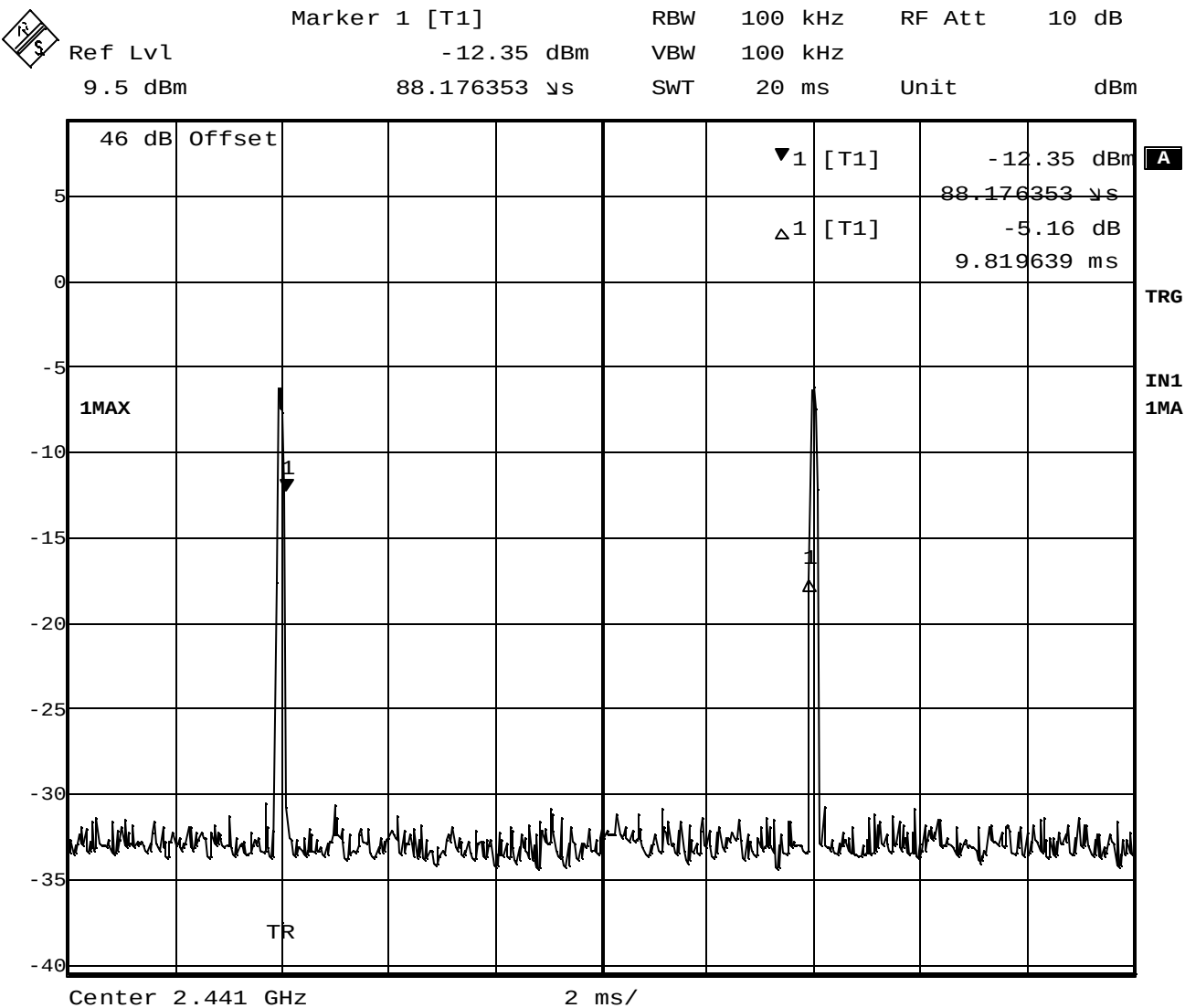
Diagrams for Duty Cycle calculation

worst case BlueTooth in inquiry mode hopping over 32 channels

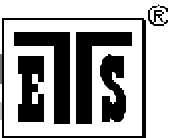




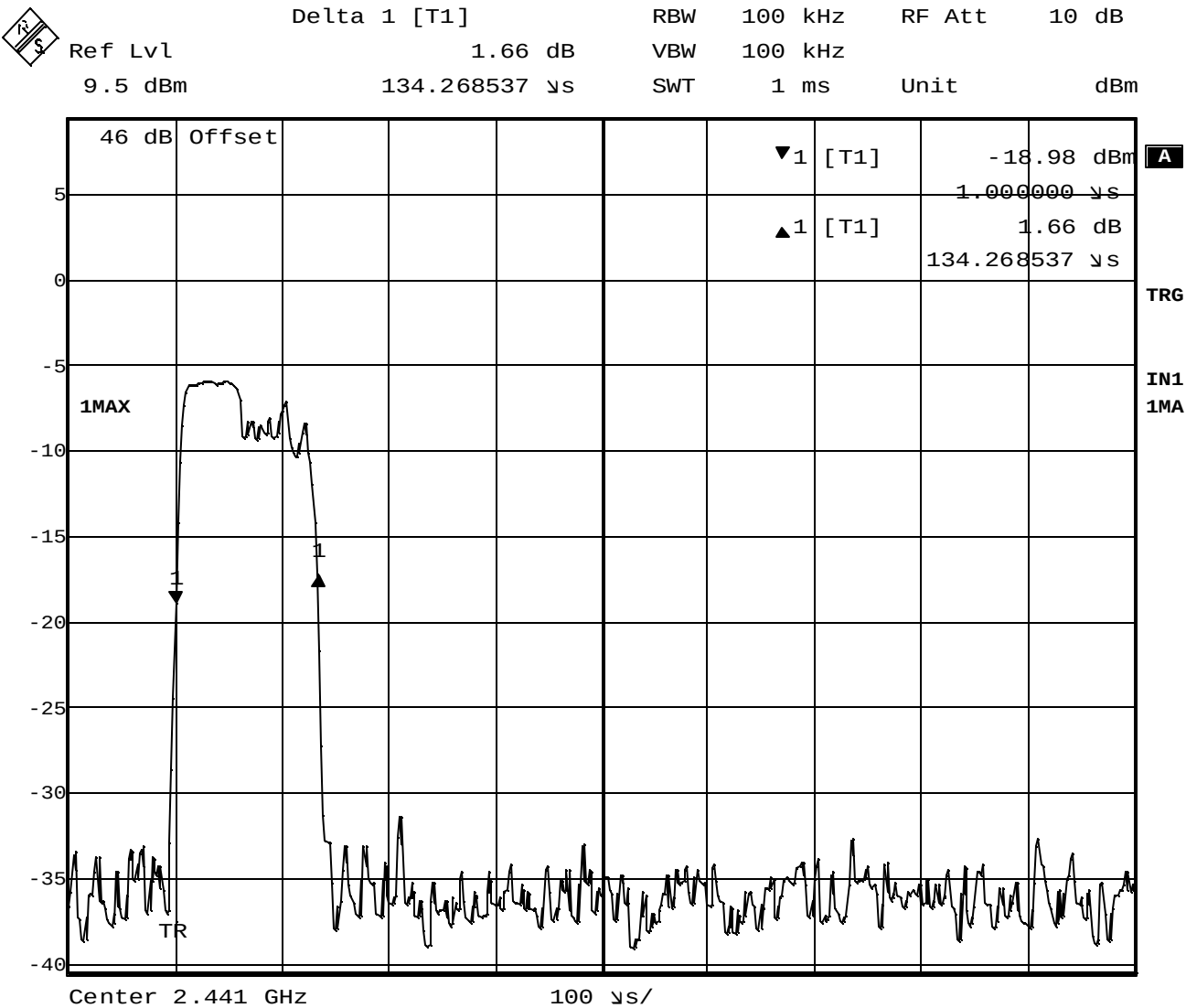
repetition of the on cycle: 9.82 ms



Date: 18.JUL.2003 14:39:55



ON time 134.27 μ s



Date: 18.JUL.2003 14:48:39