

## 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.*

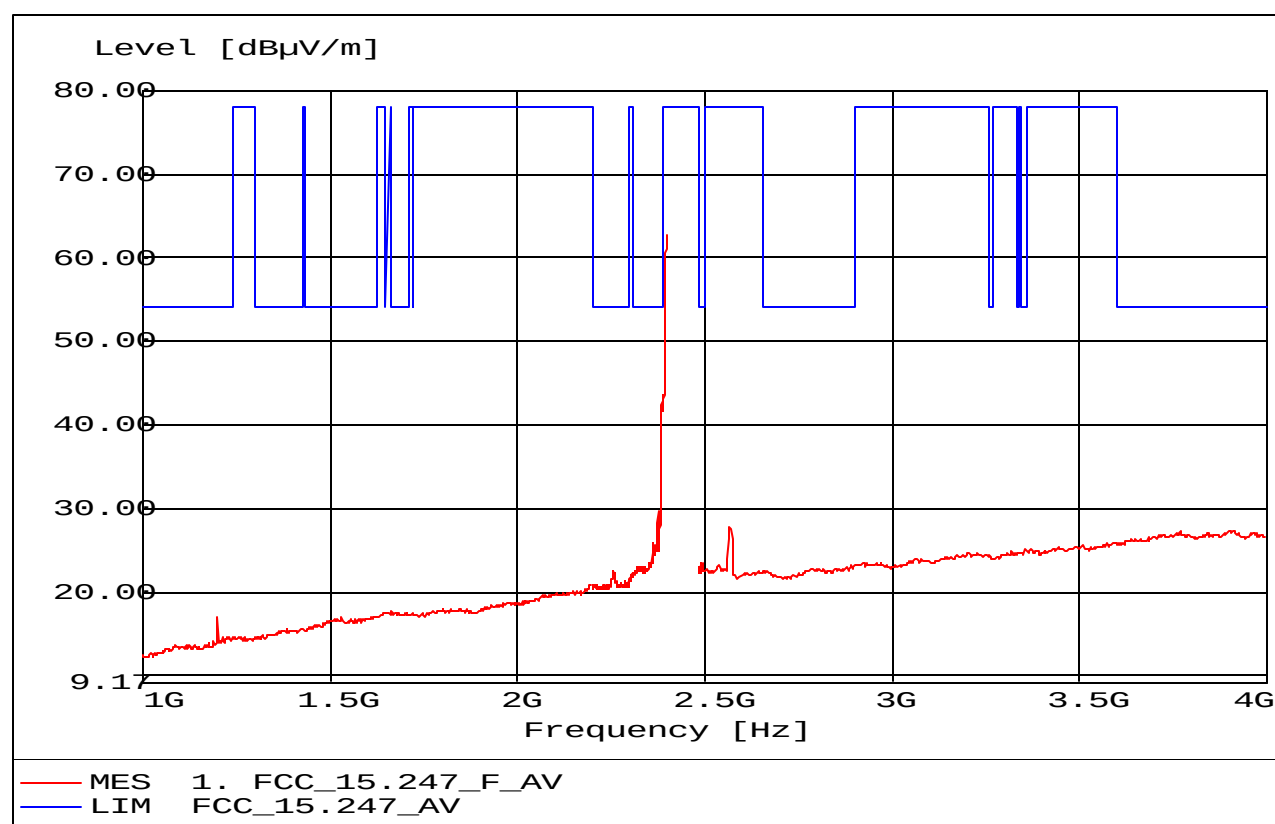
**EUT Settings:**    *Channel 0 and Channel 1, continuous TX on*

**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.

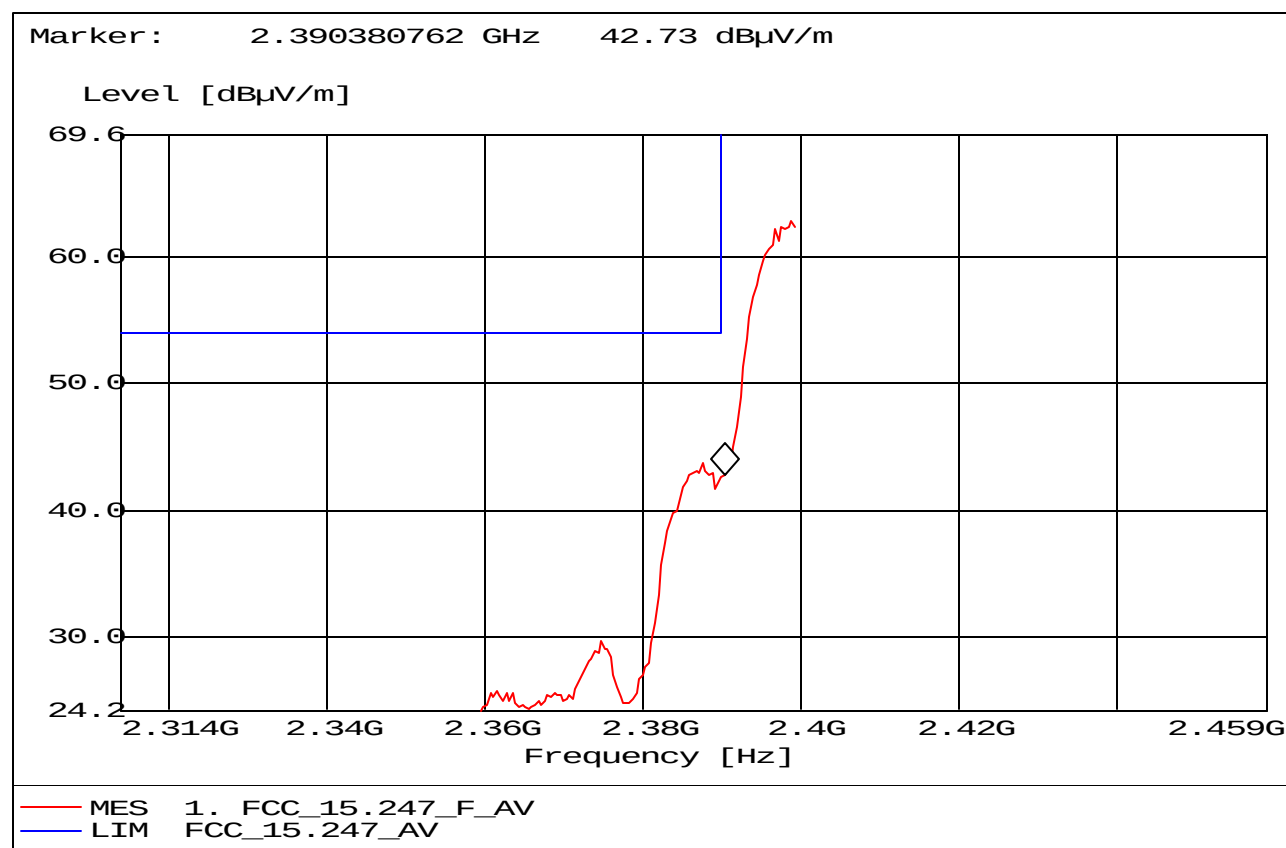
**EUT Settins:** Channel 0 and Channel 1, continuous TX on

**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

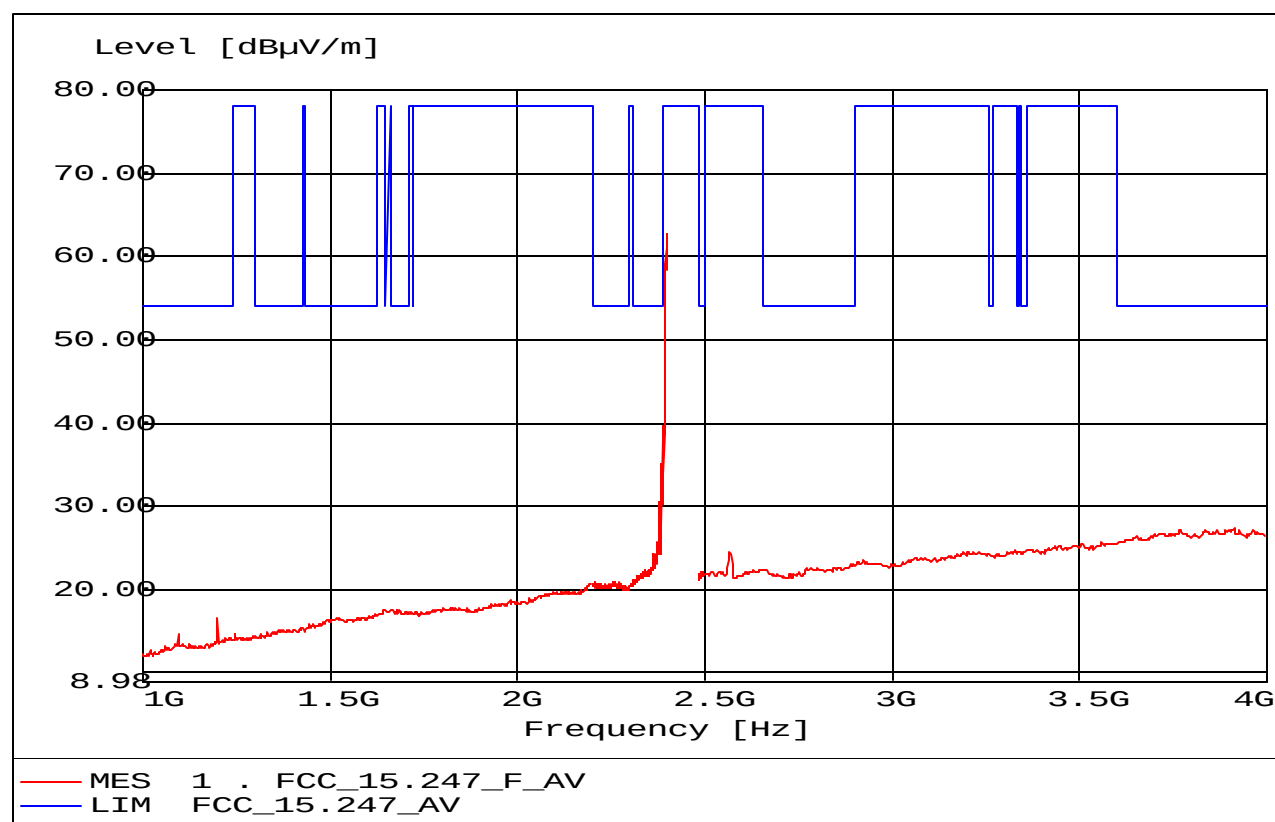
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

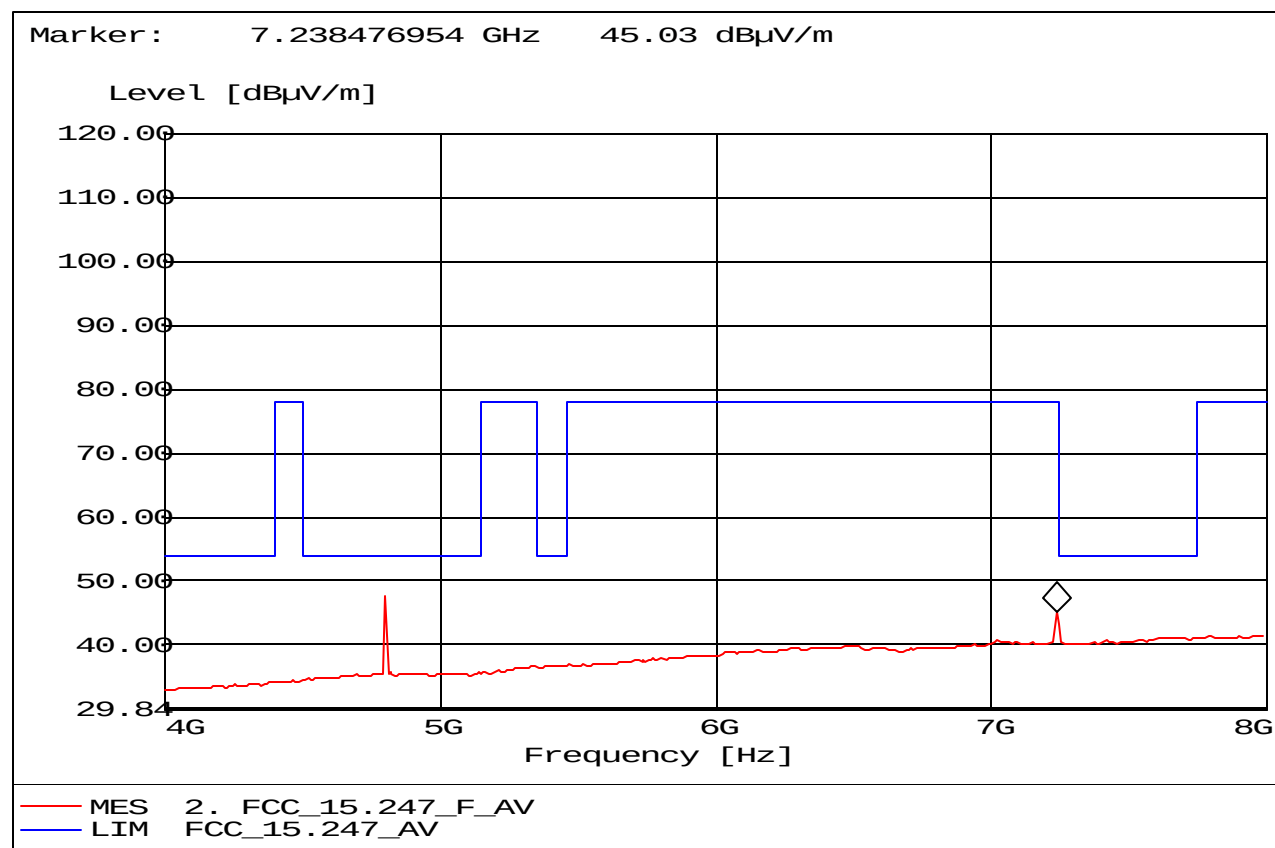
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 4.802GHz, Emax: 47.73dB $\mu$ 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

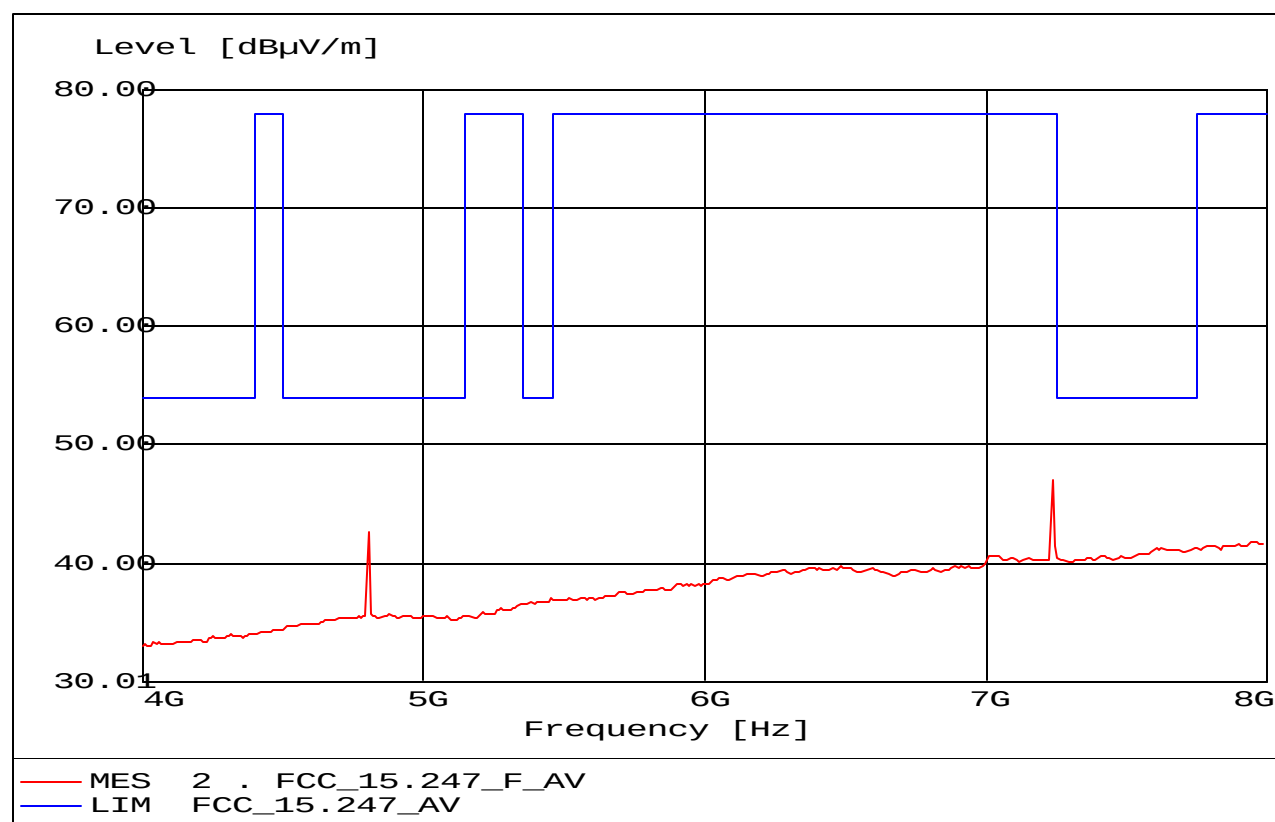
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 7.238GHz, Emax: 47.05dB $\mu$ 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

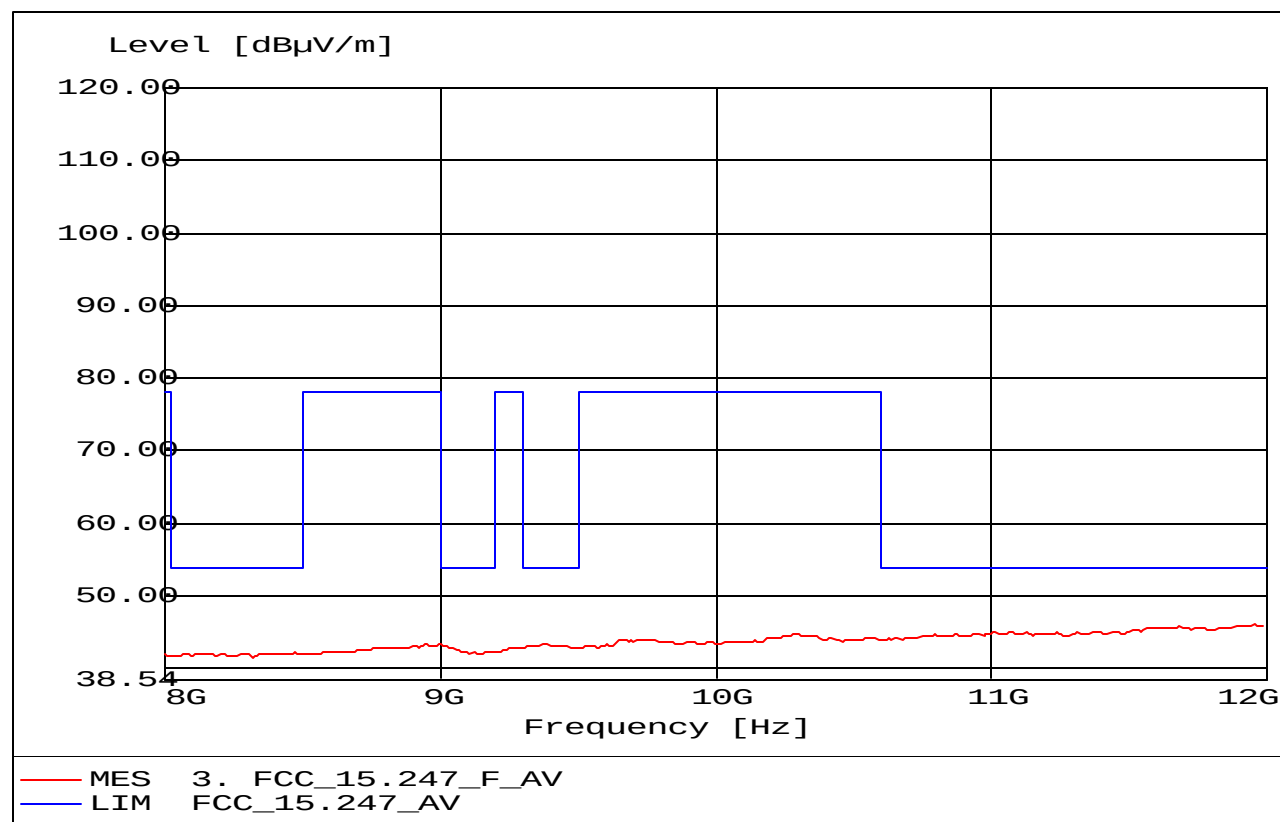
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

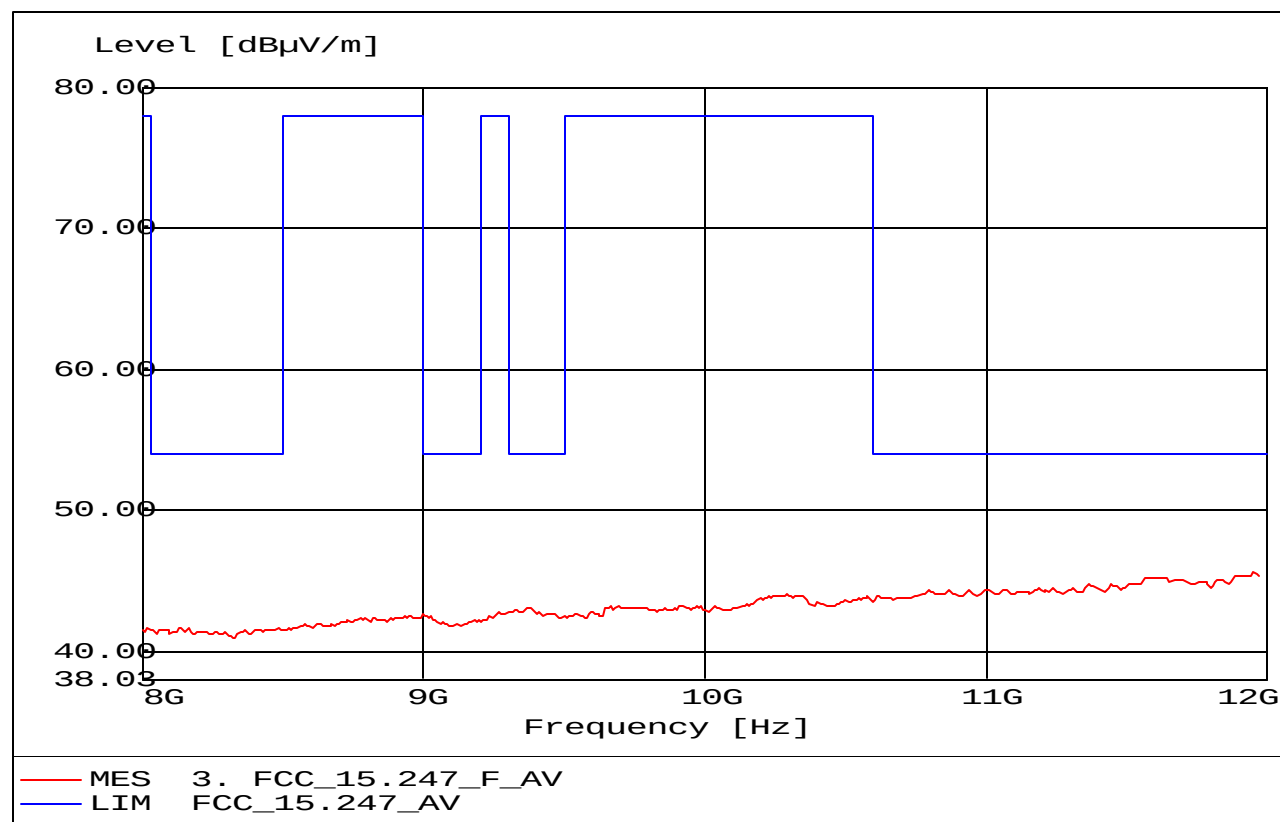
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

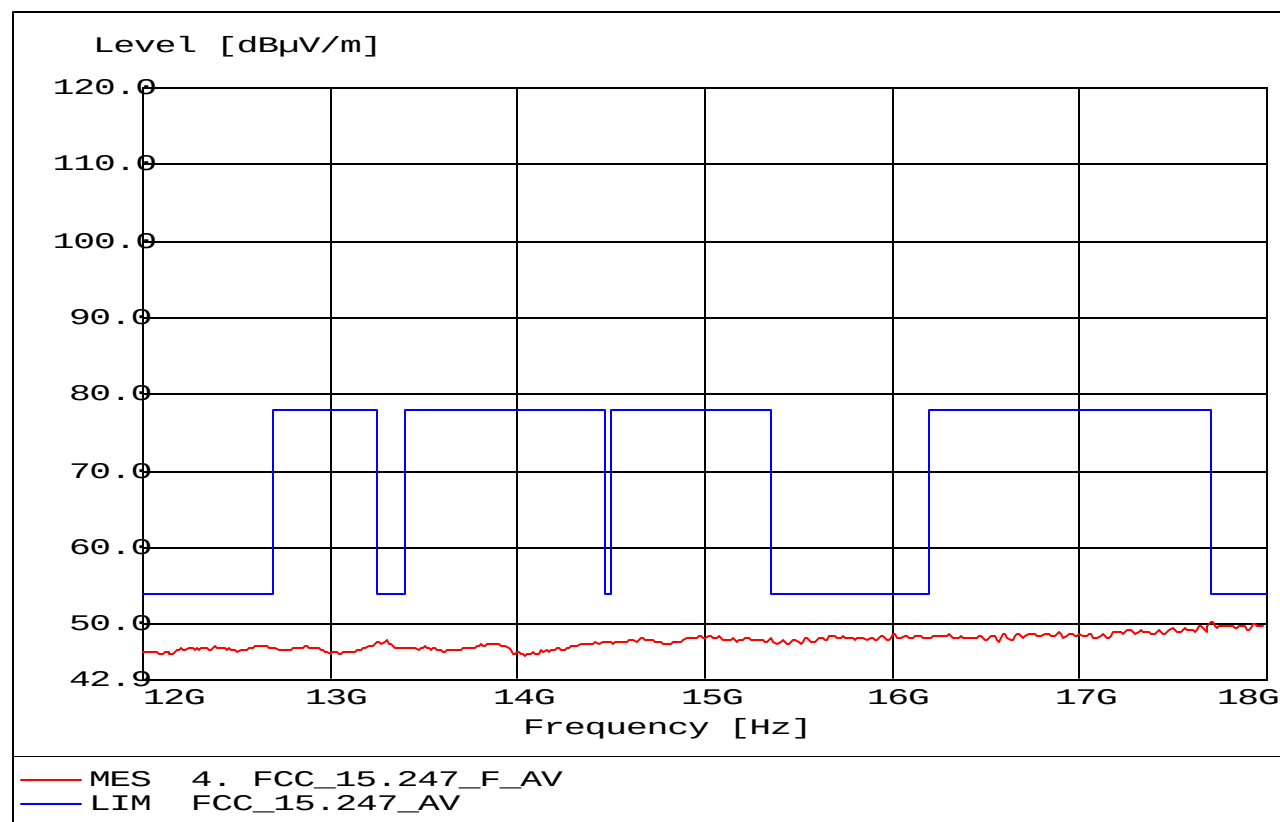
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 50.30dB $\mu$ 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

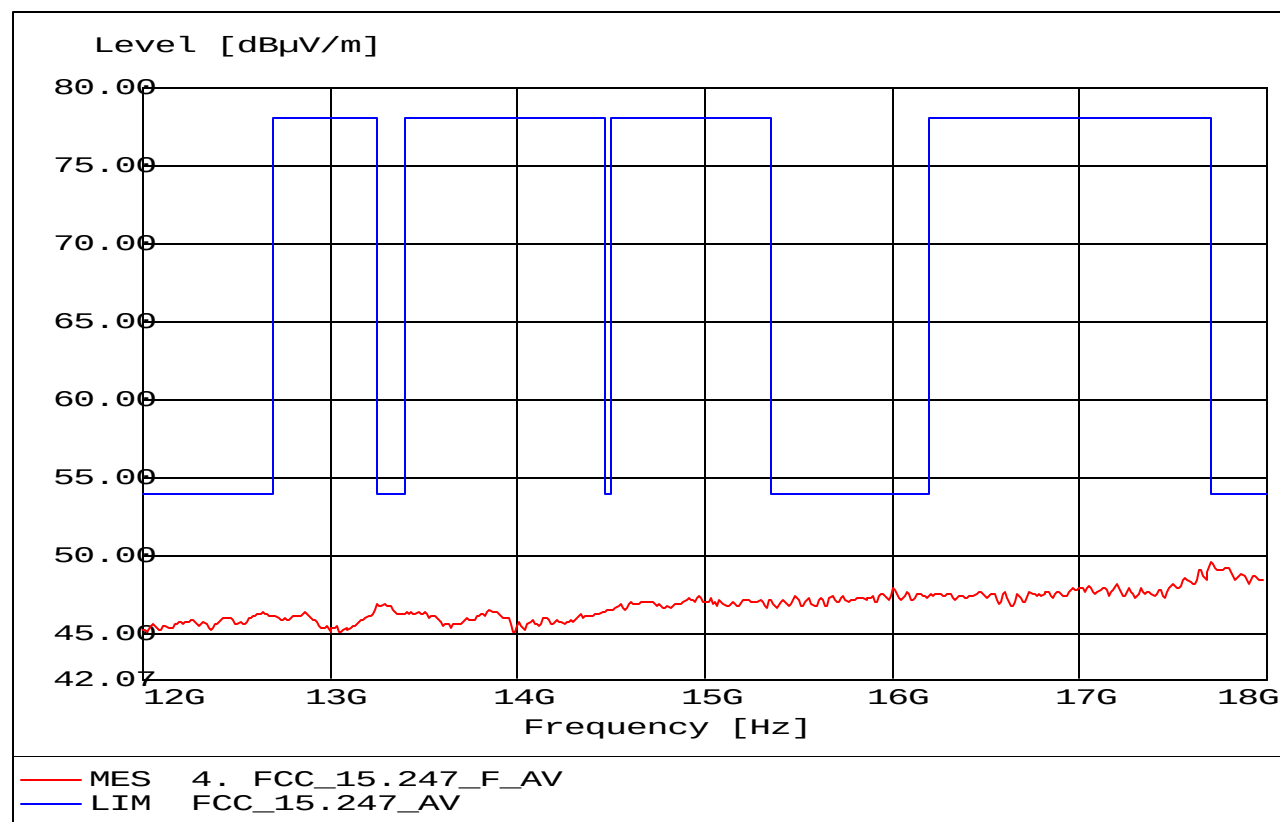
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

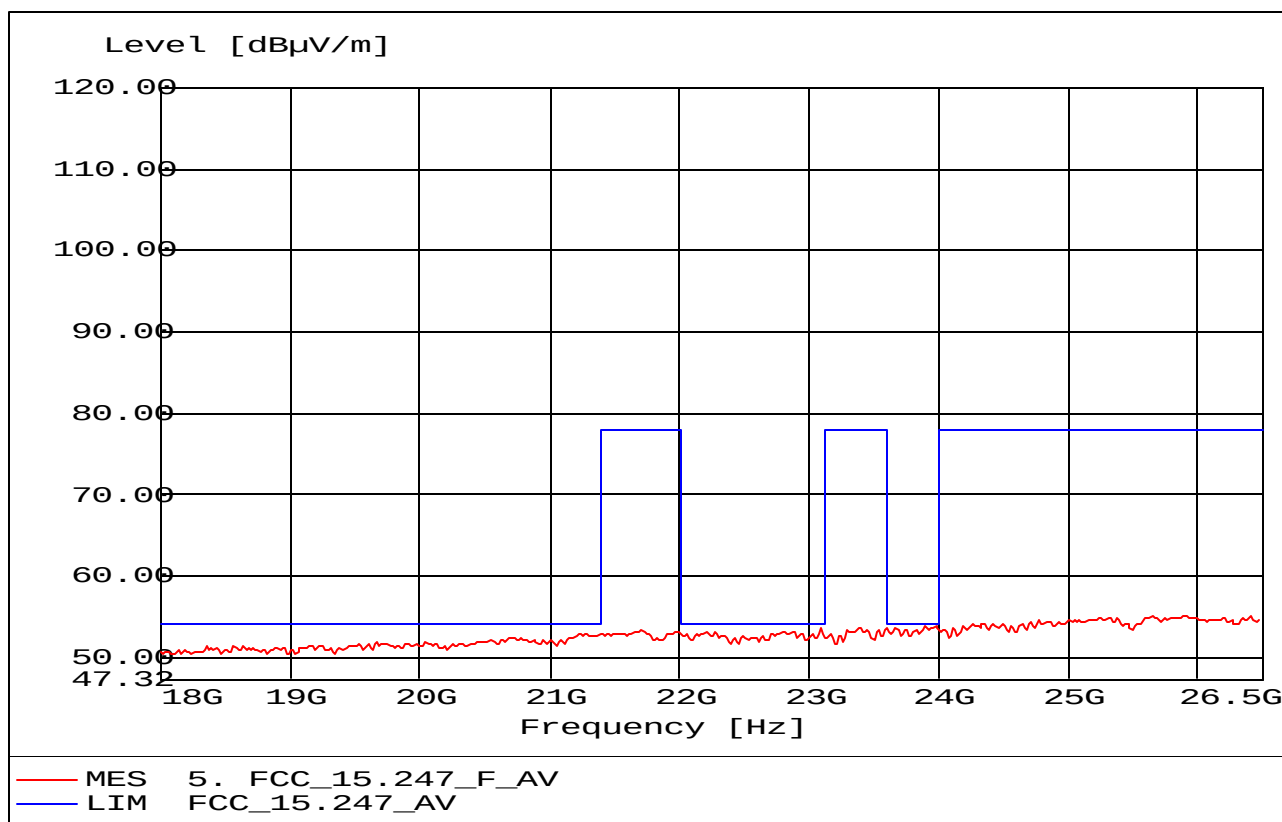
**Comment 1:** Dist.: 3m, Amplif., Ant.: HL025 vertical

Freq: 17.699GHz, Emax: 49.54dB $\mu$ 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

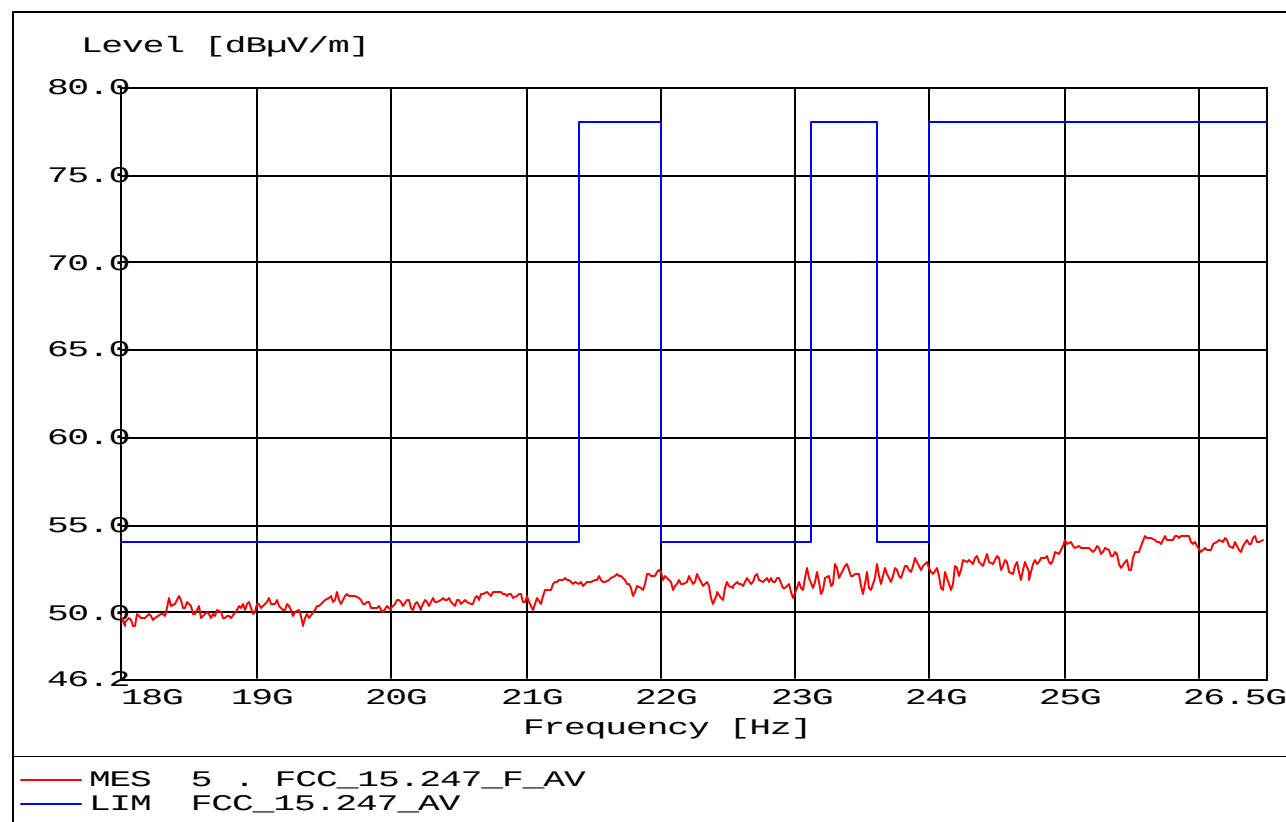
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

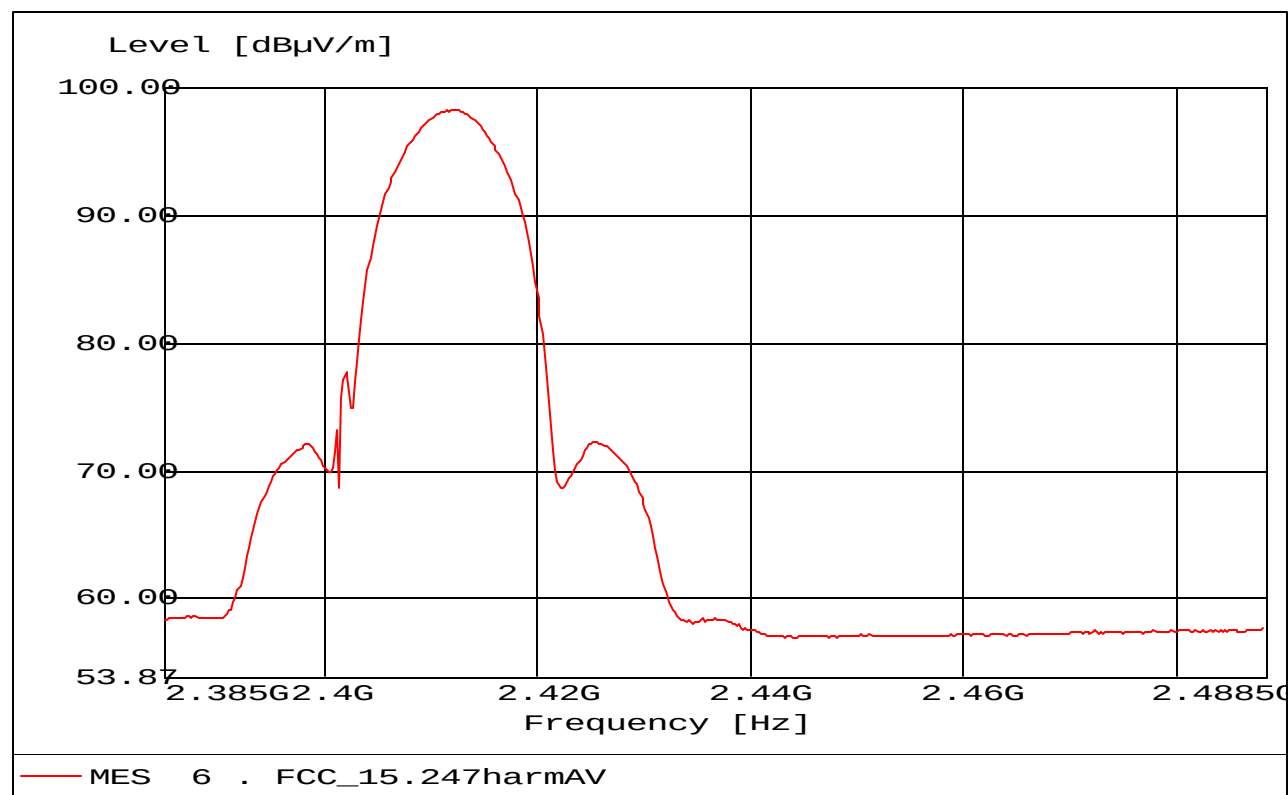
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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.

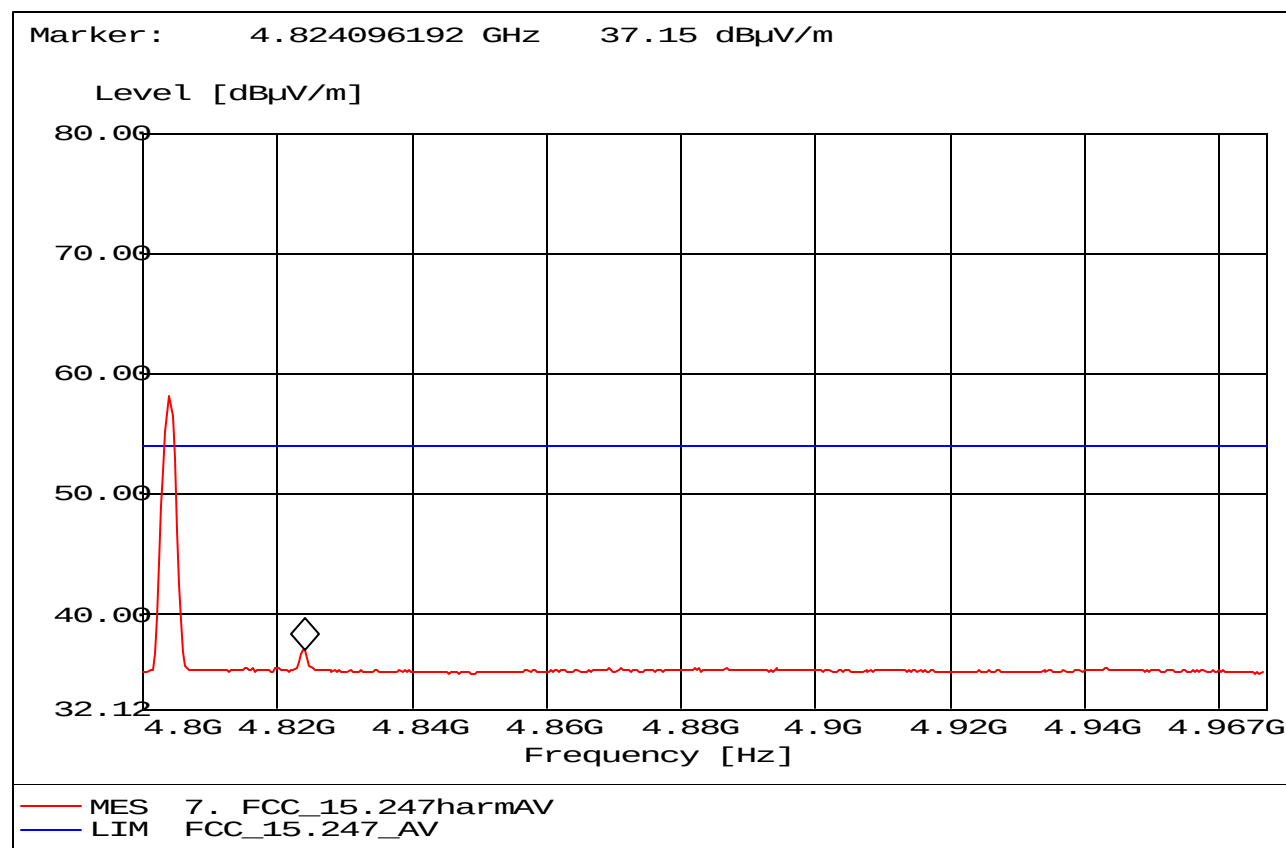
**EUT Settins:** Channel 0 and Channel 1, continuous TX on

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

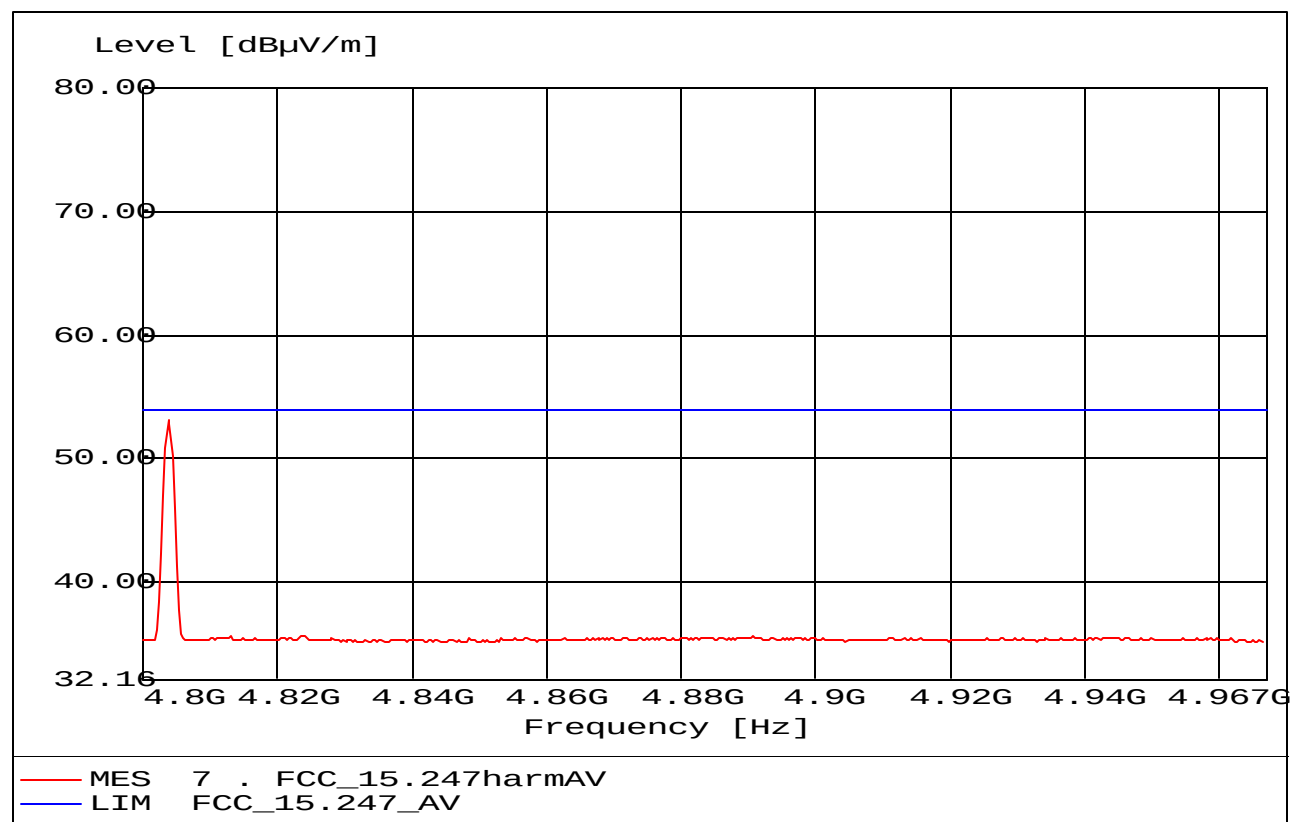
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 4.804GHz, **E<sub>max</sub>:** 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.

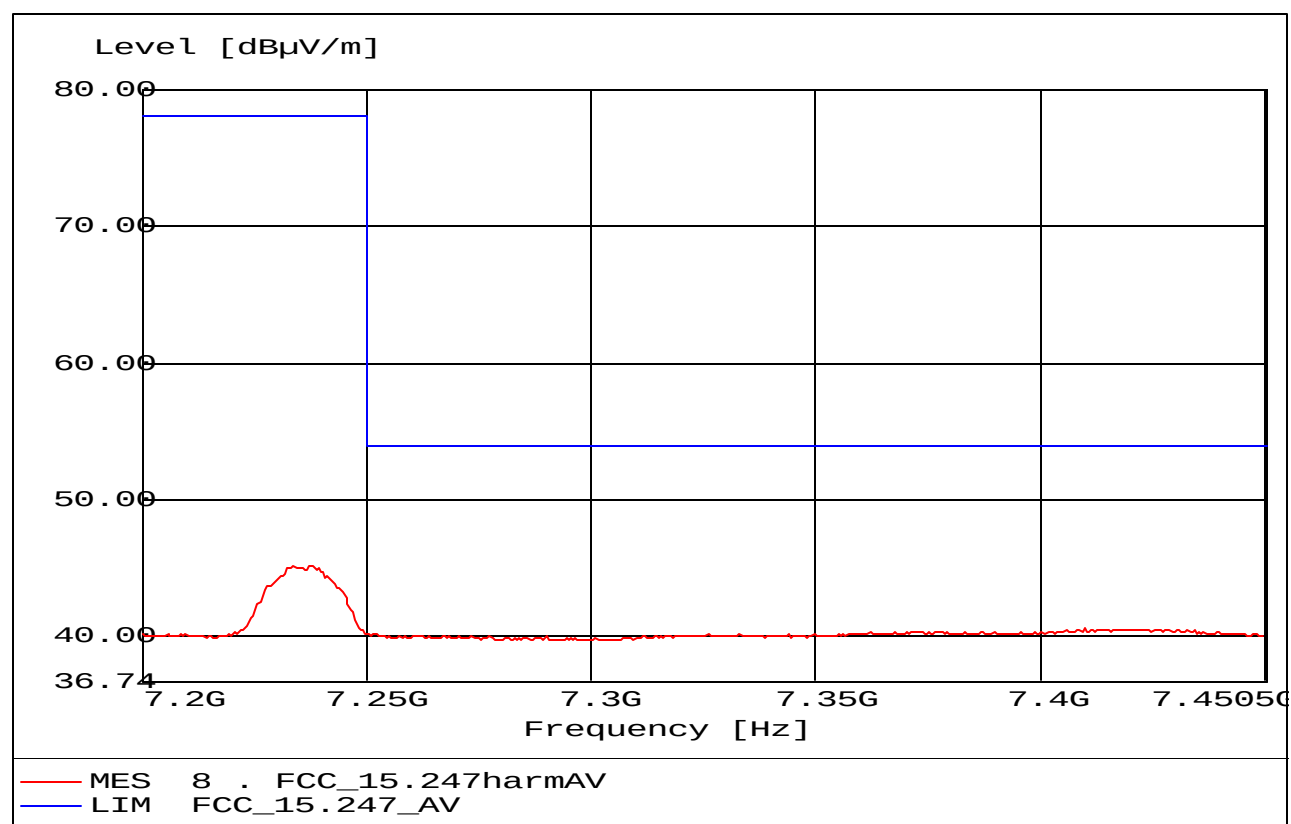
**EUT Settins:** Channel 0 and Channel 1, continuous TX on

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

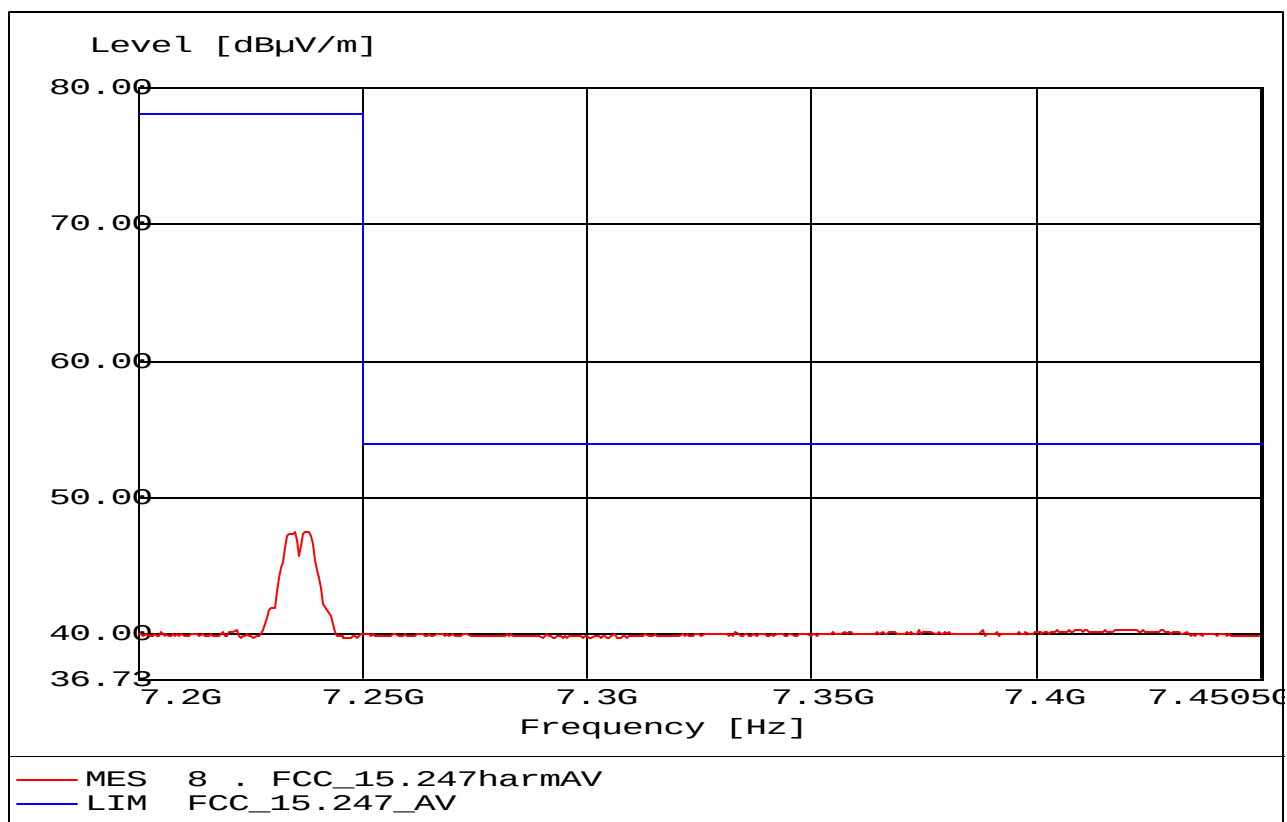
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 7.237GHz, Emax: 47.51dB $\mu$ 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

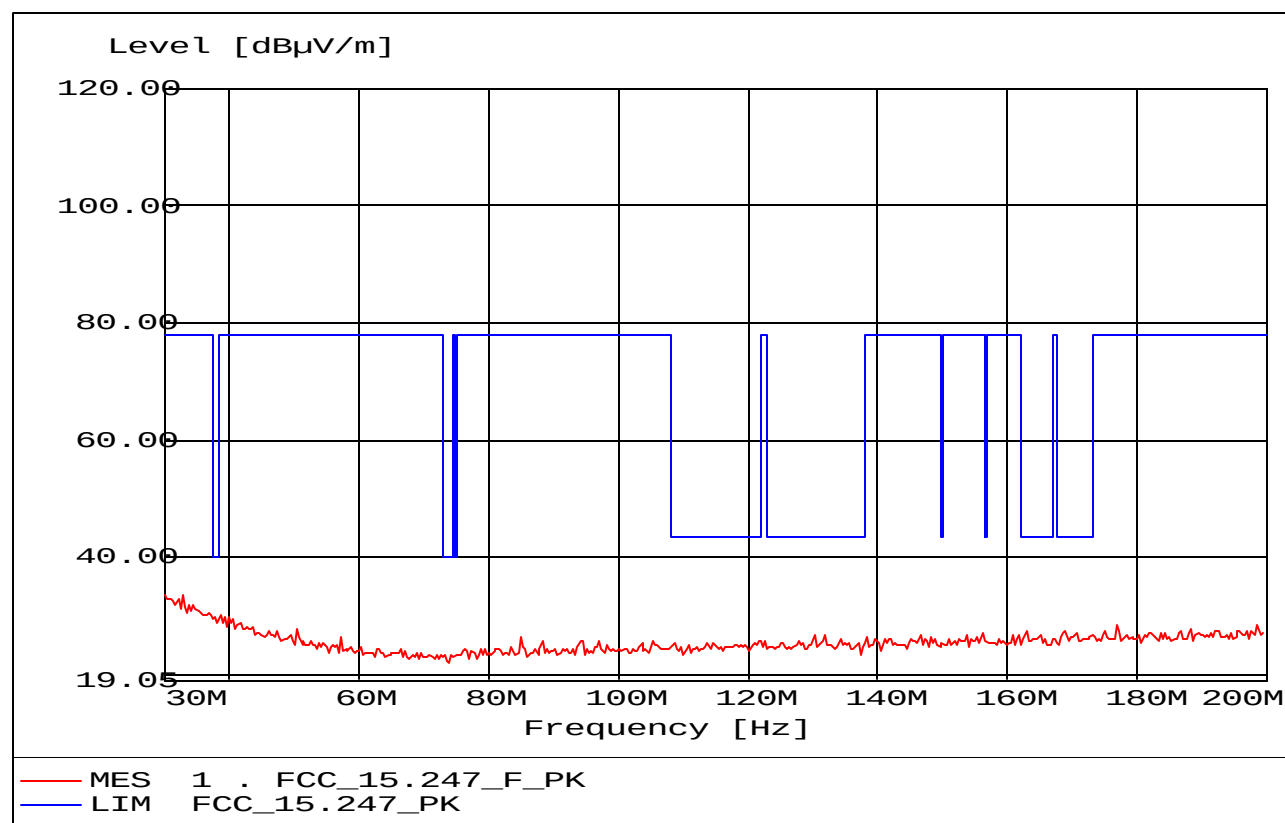
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

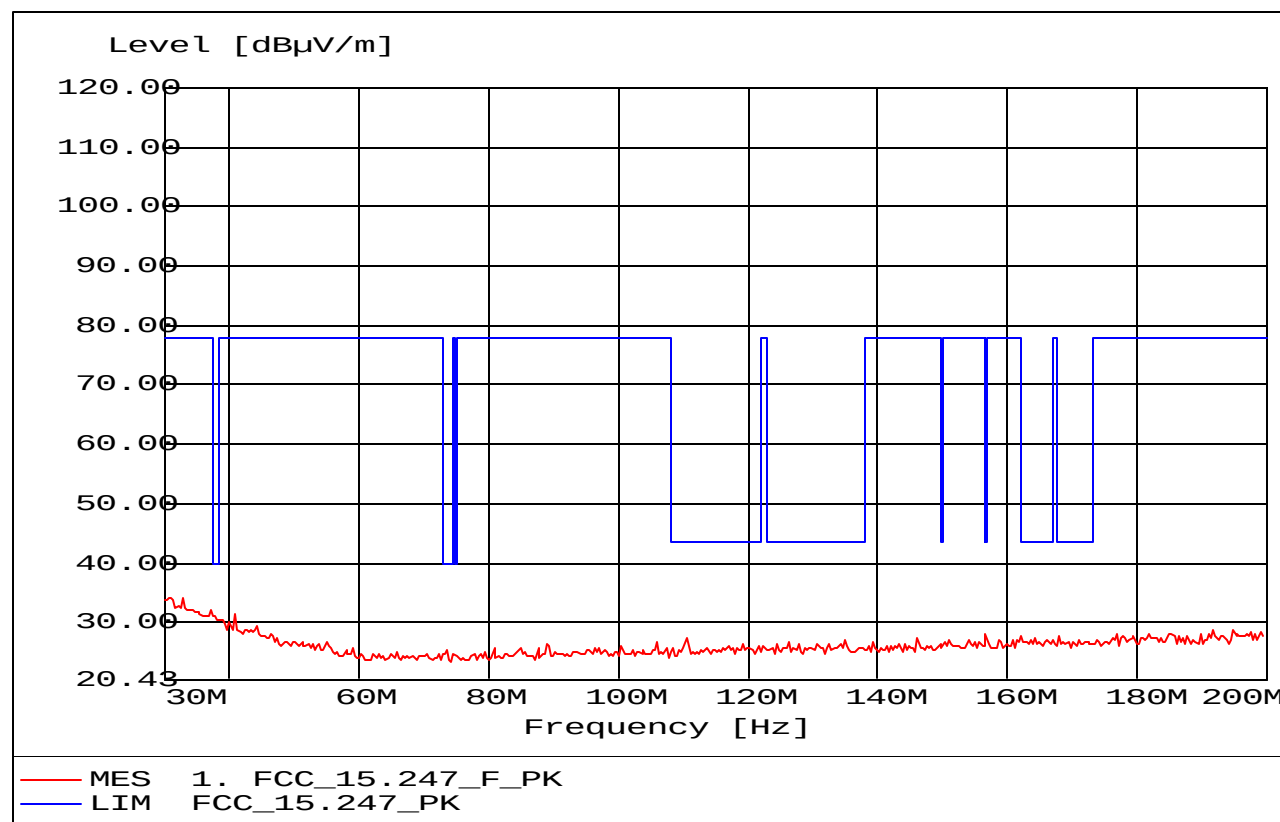
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 31.022MHz, **E<sub>max</sub>:** 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 Settings:** Channel 0 and Channel 1, continuous TX on

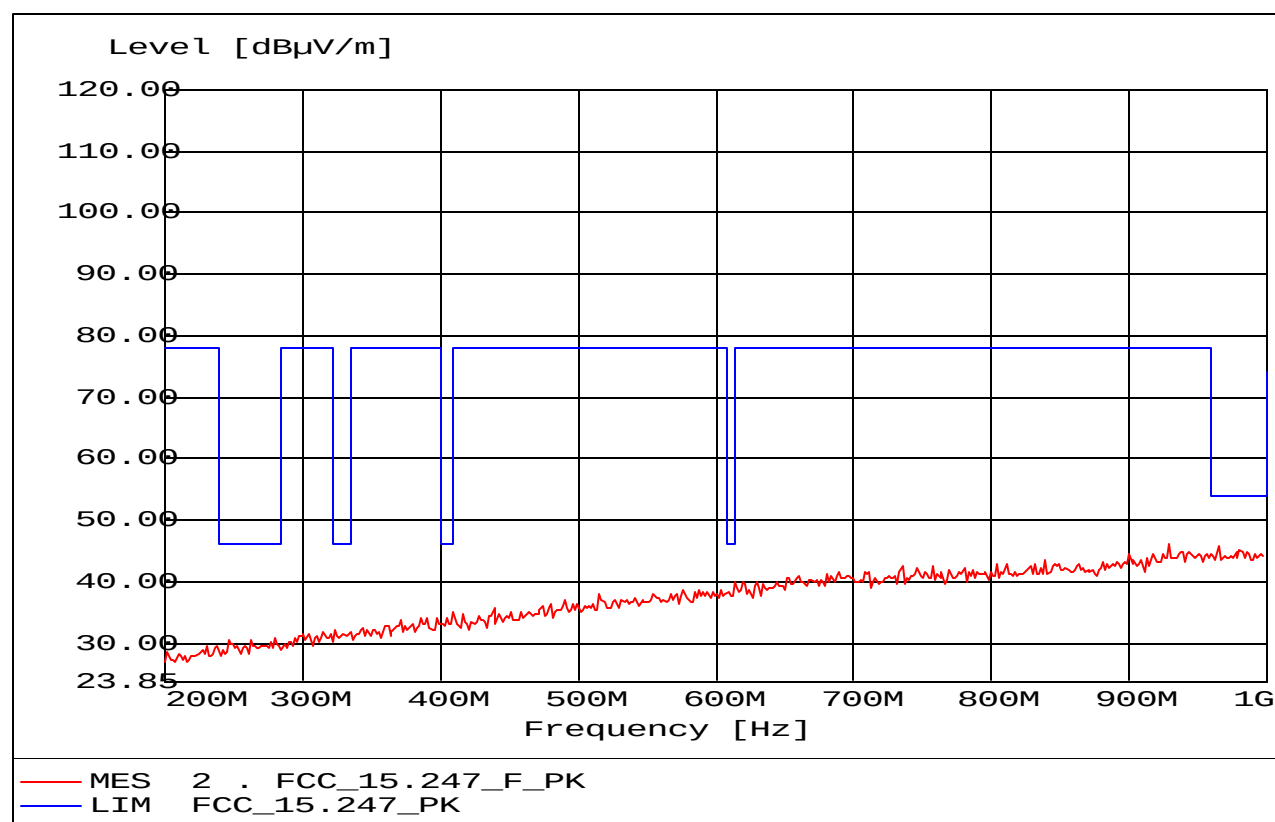
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 929.459MHz, **E<sub>max</sub>:** 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 Settins:** Channel 0 and Channel 1, continuous TX on

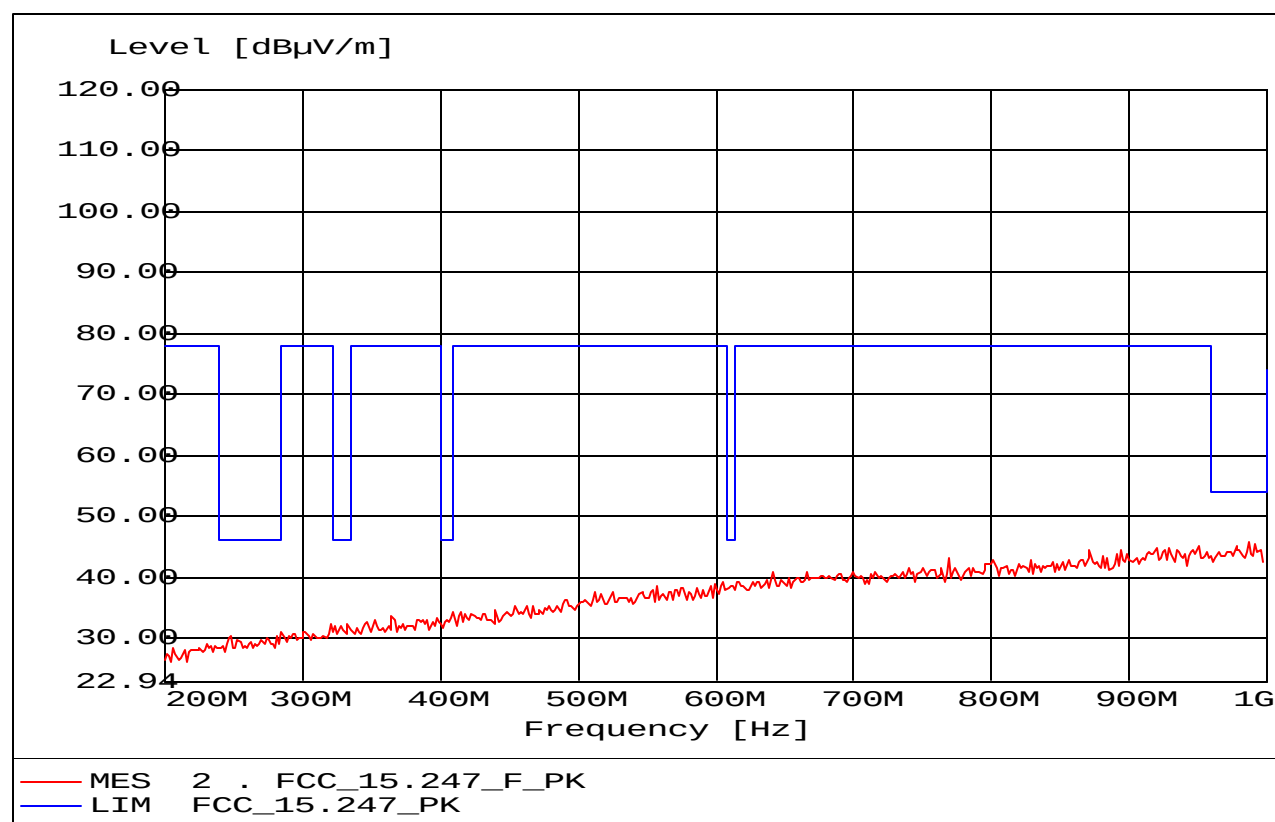
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 987.174MHz, **E<sub>max</sub>:** 45.74dBμV/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

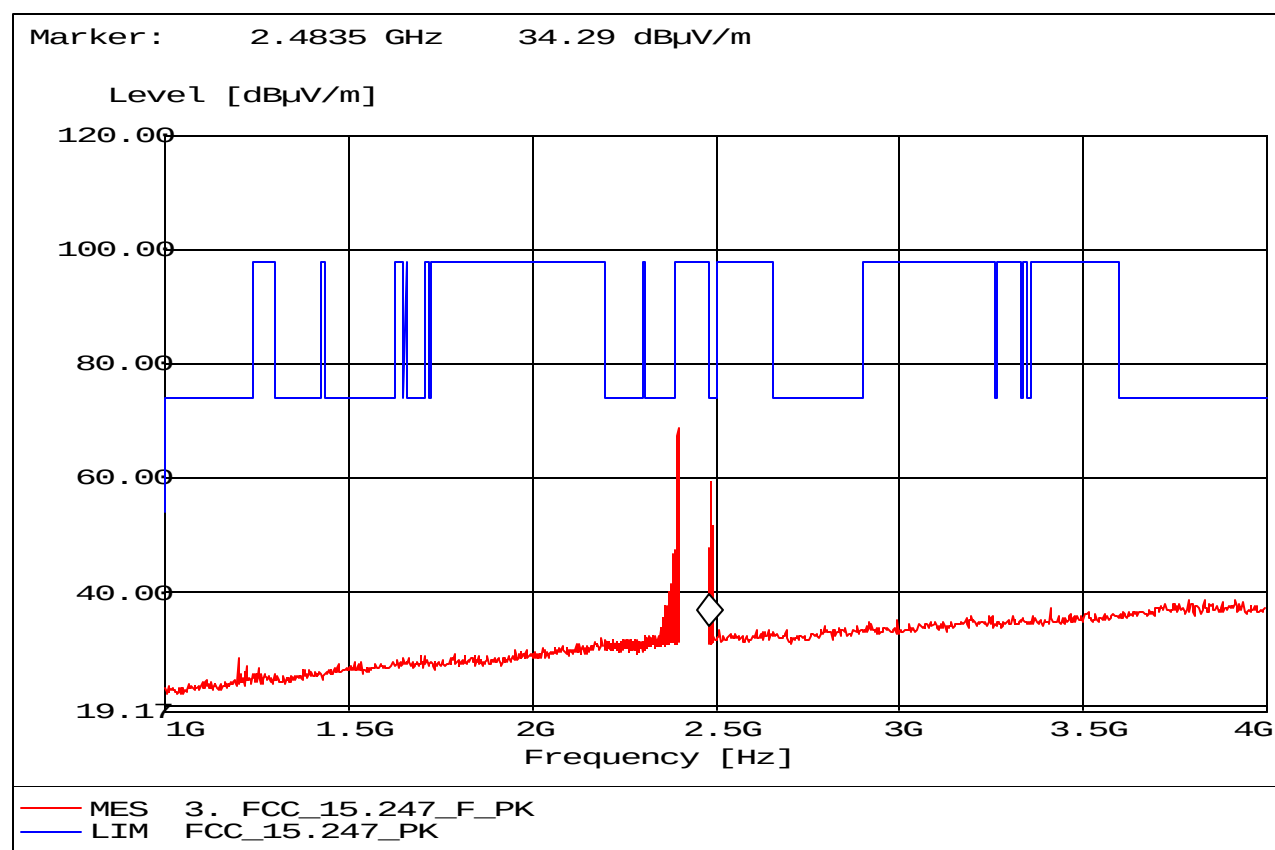
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

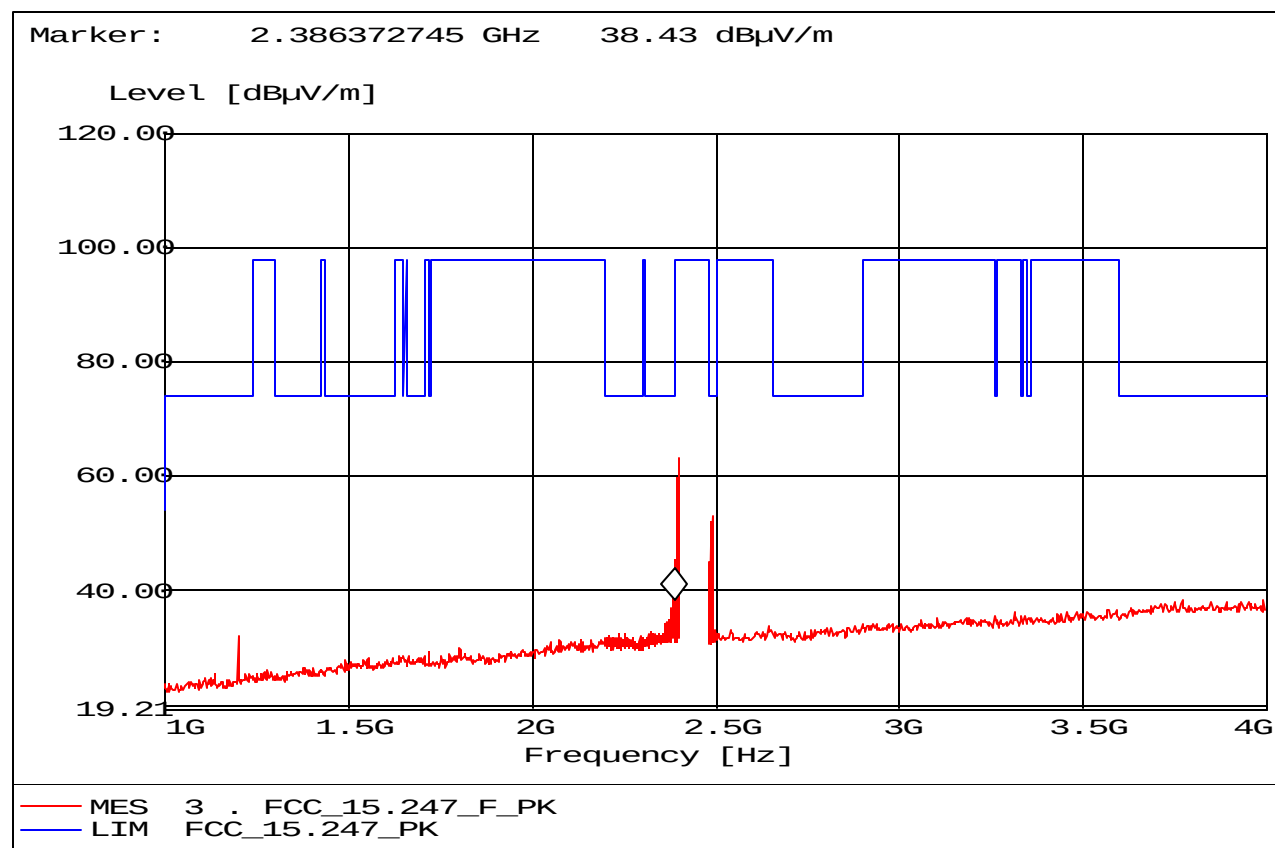
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 63.24dBμV/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

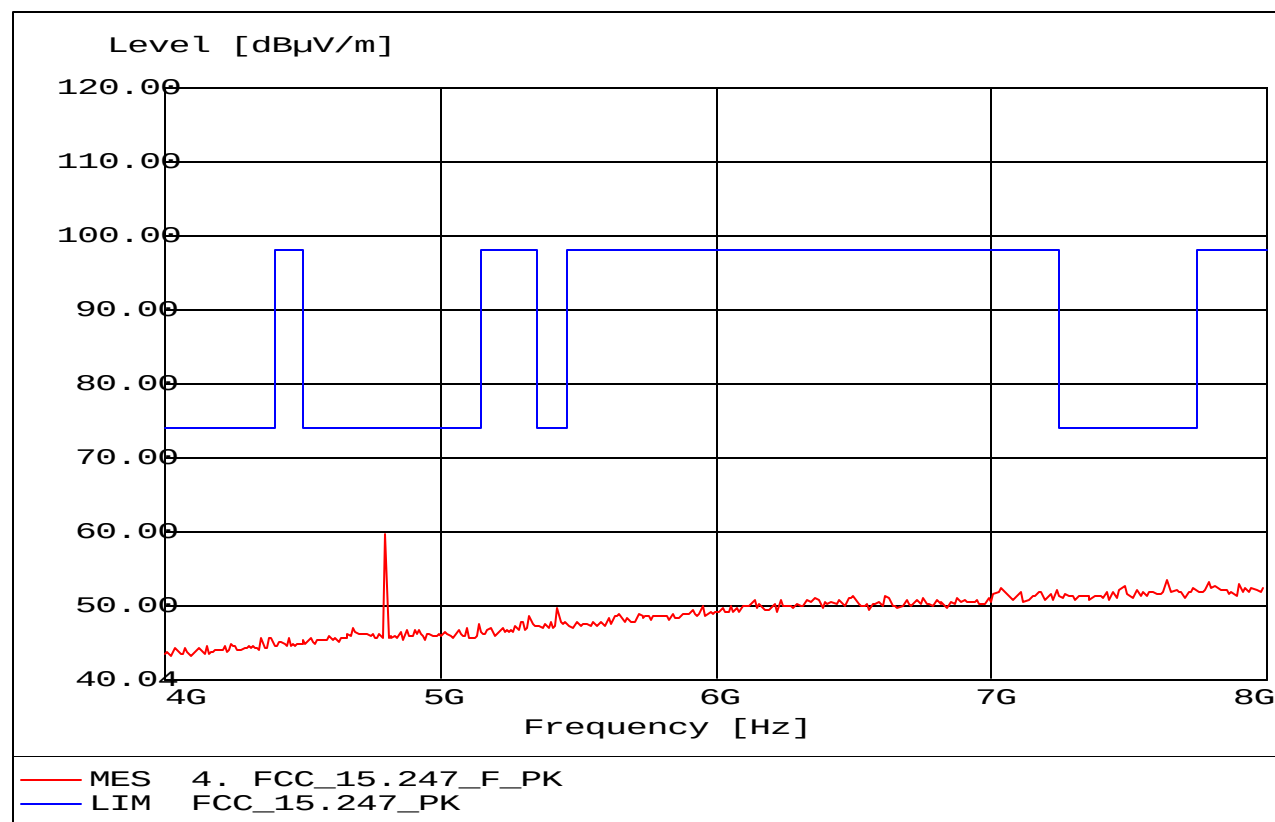
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 4.802GHz, **E<sub>max</sub>:** 59.63dB $\mu$ 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

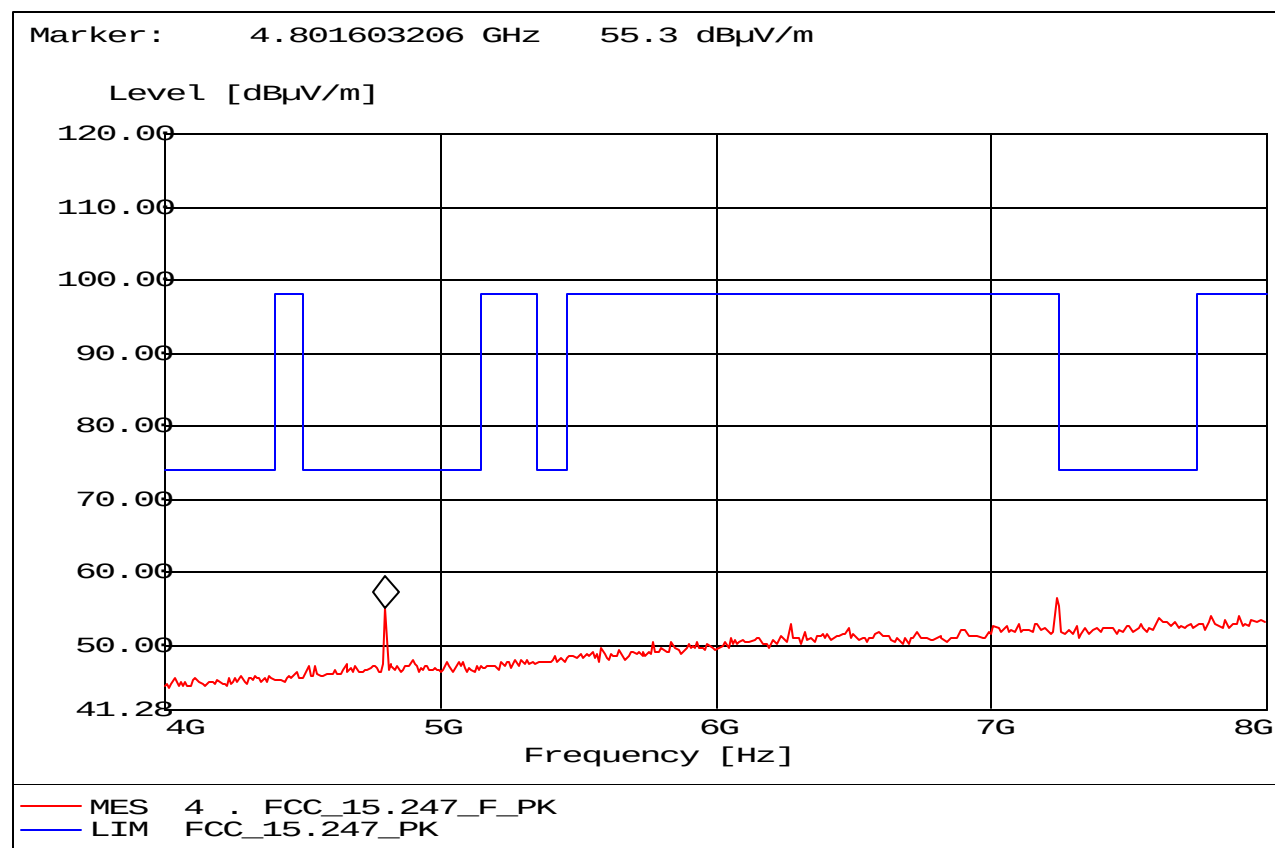
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

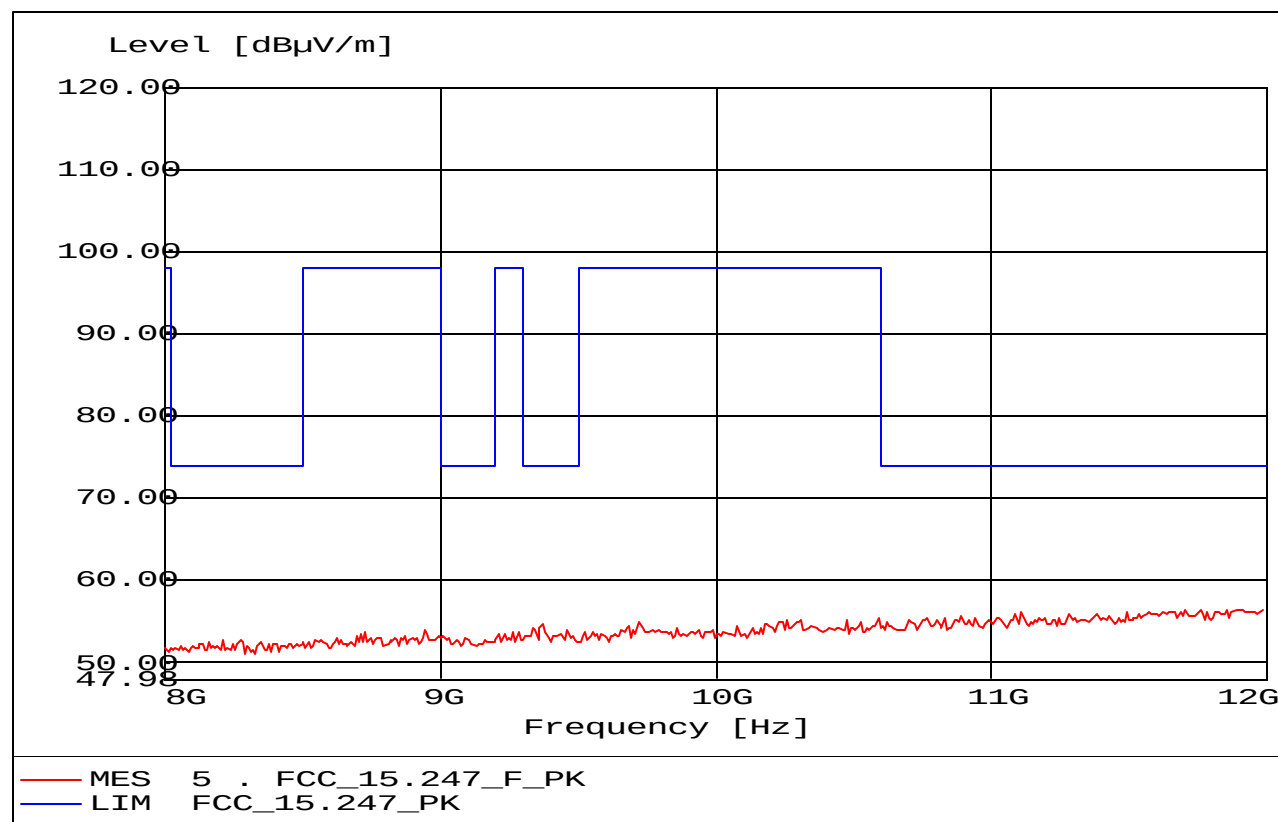
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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:** 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

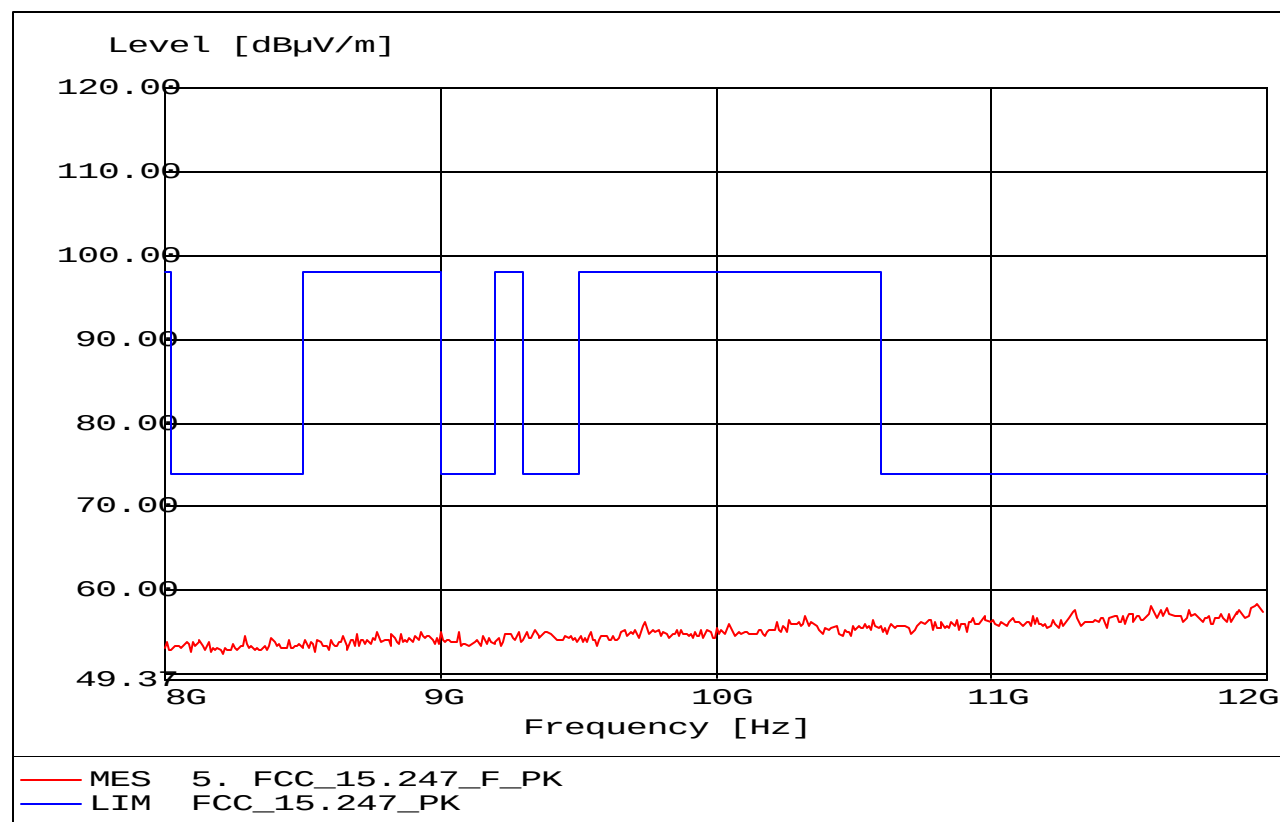
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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 Settings:** Channel 0 and Channel 1, continuous TX on

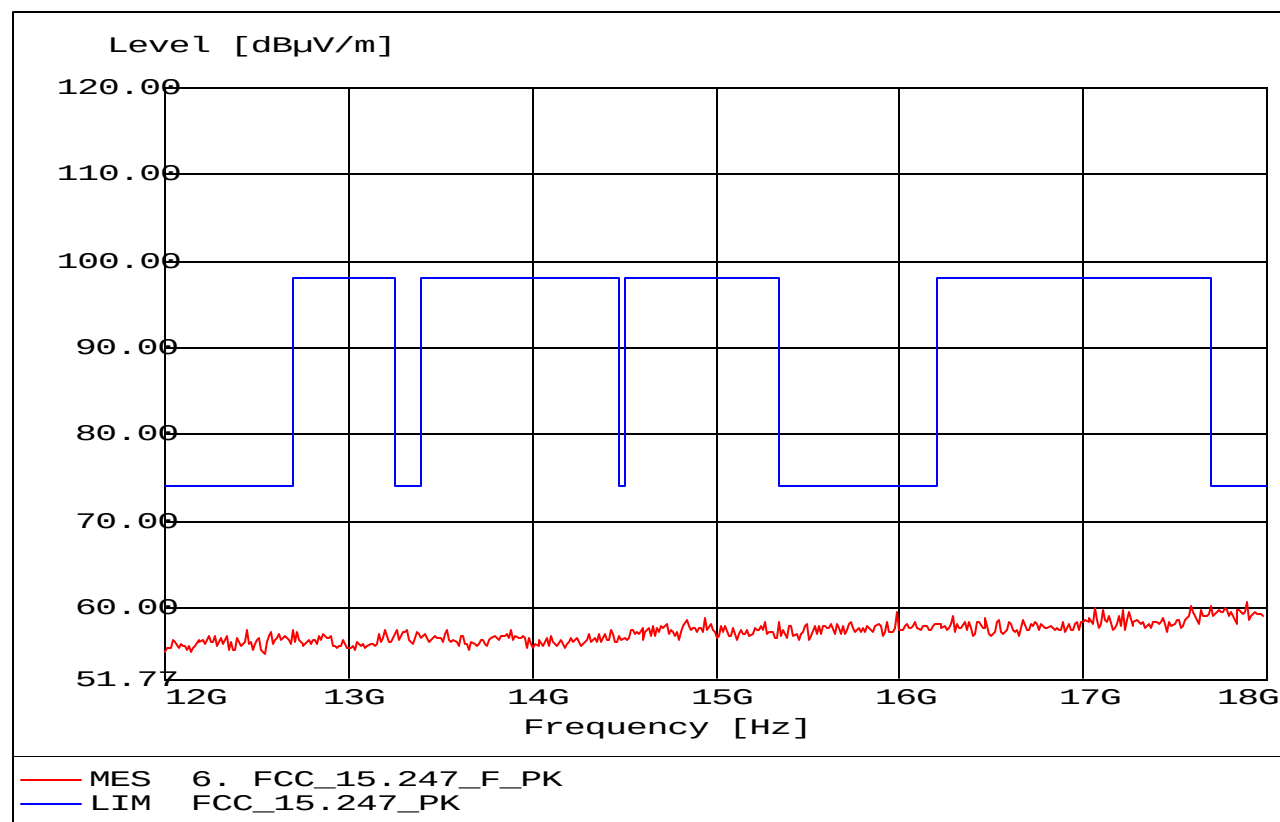
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 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

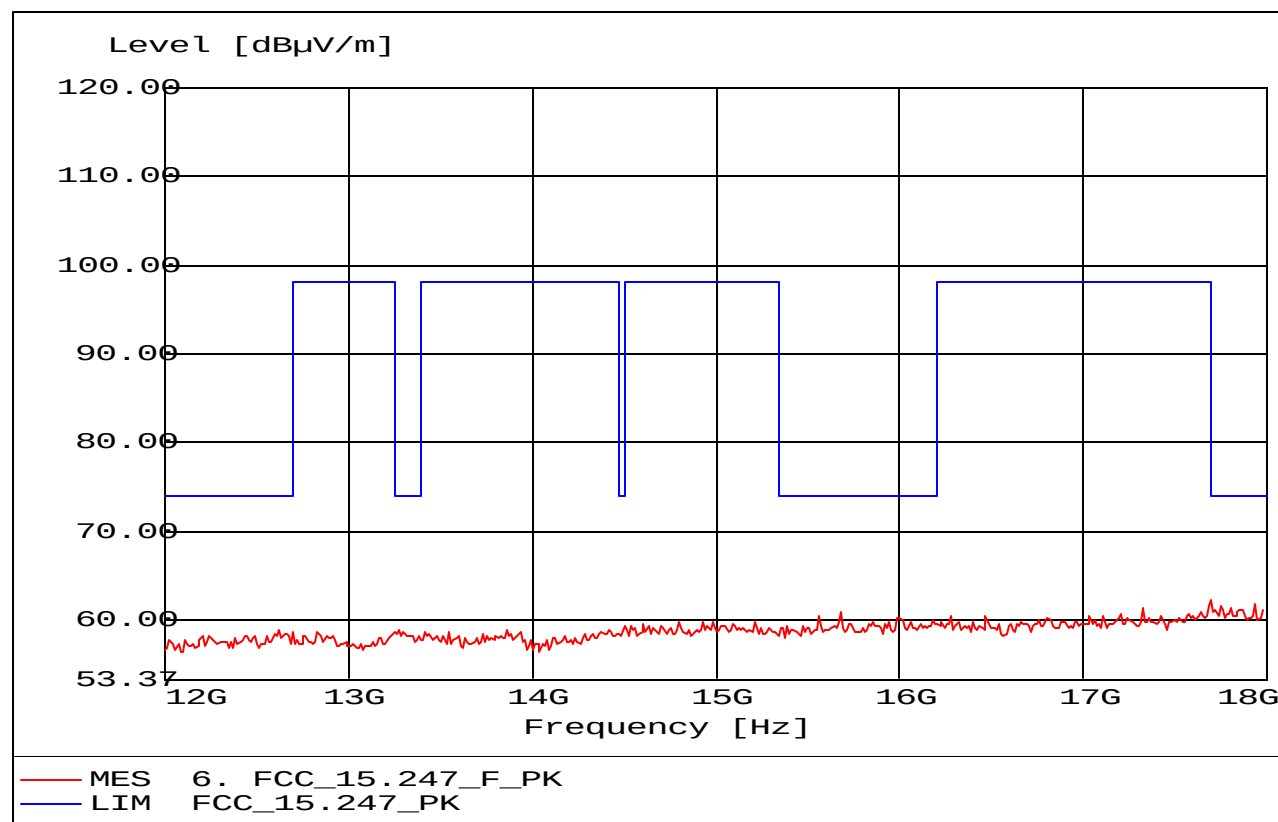
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu\text{V/m}$ , 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

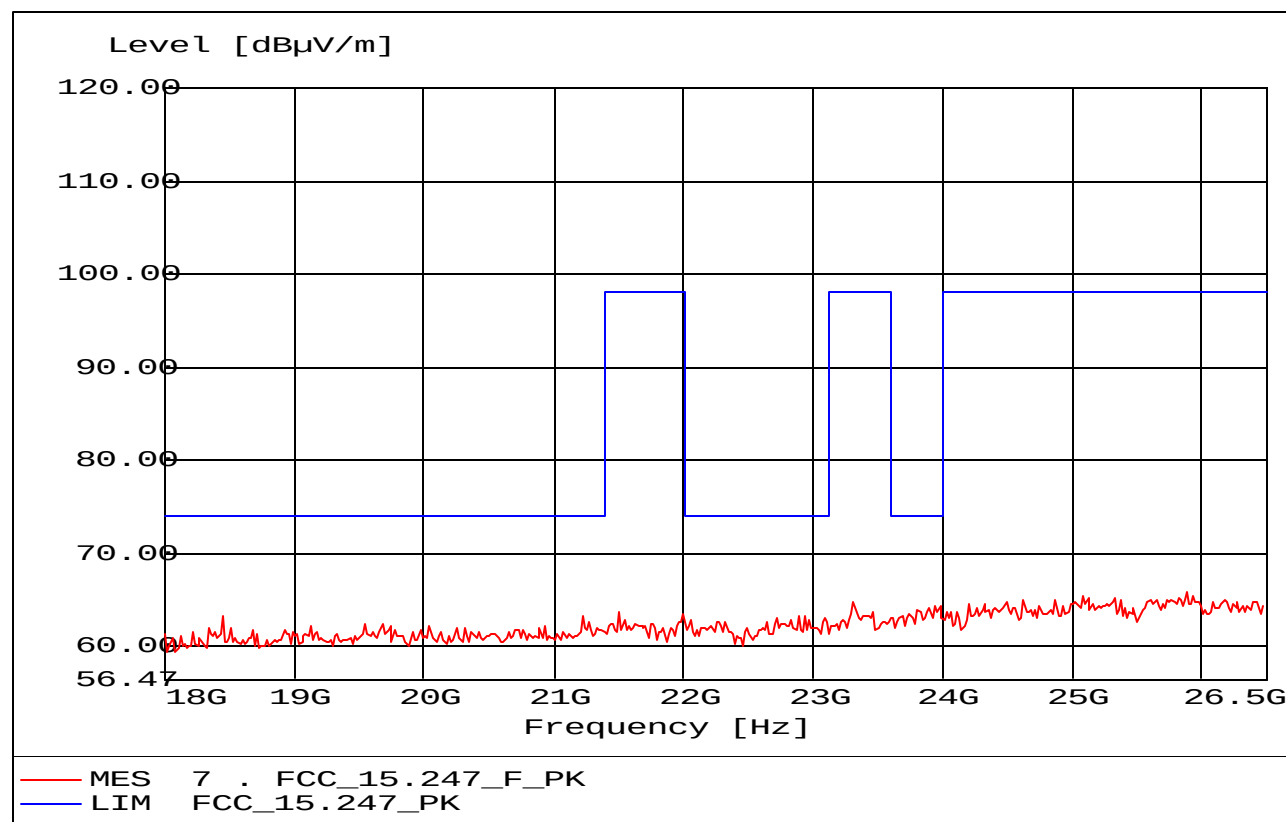
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 horizontal

Freq: 25.887GHz, Emax: 65.89dB $\mu$ 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

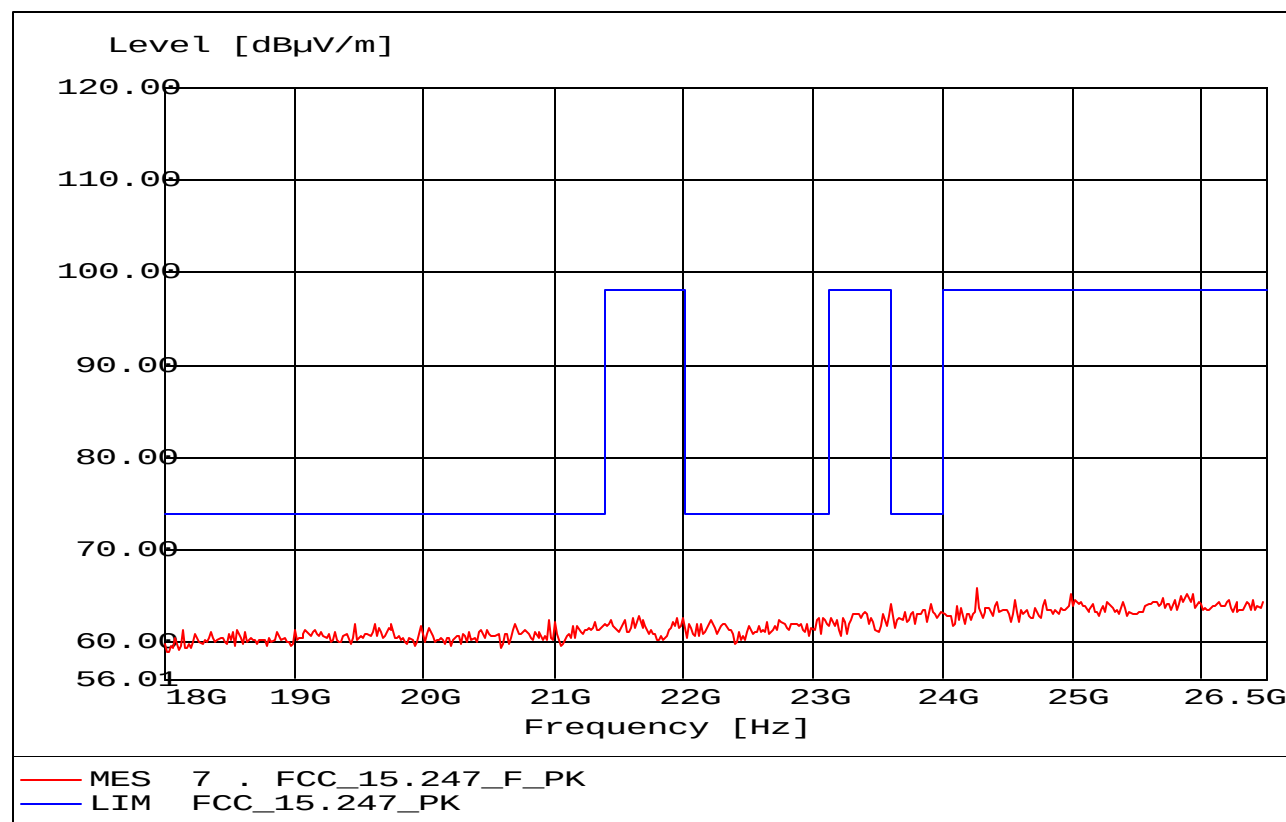
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu\text{V/m}$ , 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 0 and Channel 1, continuous TX on

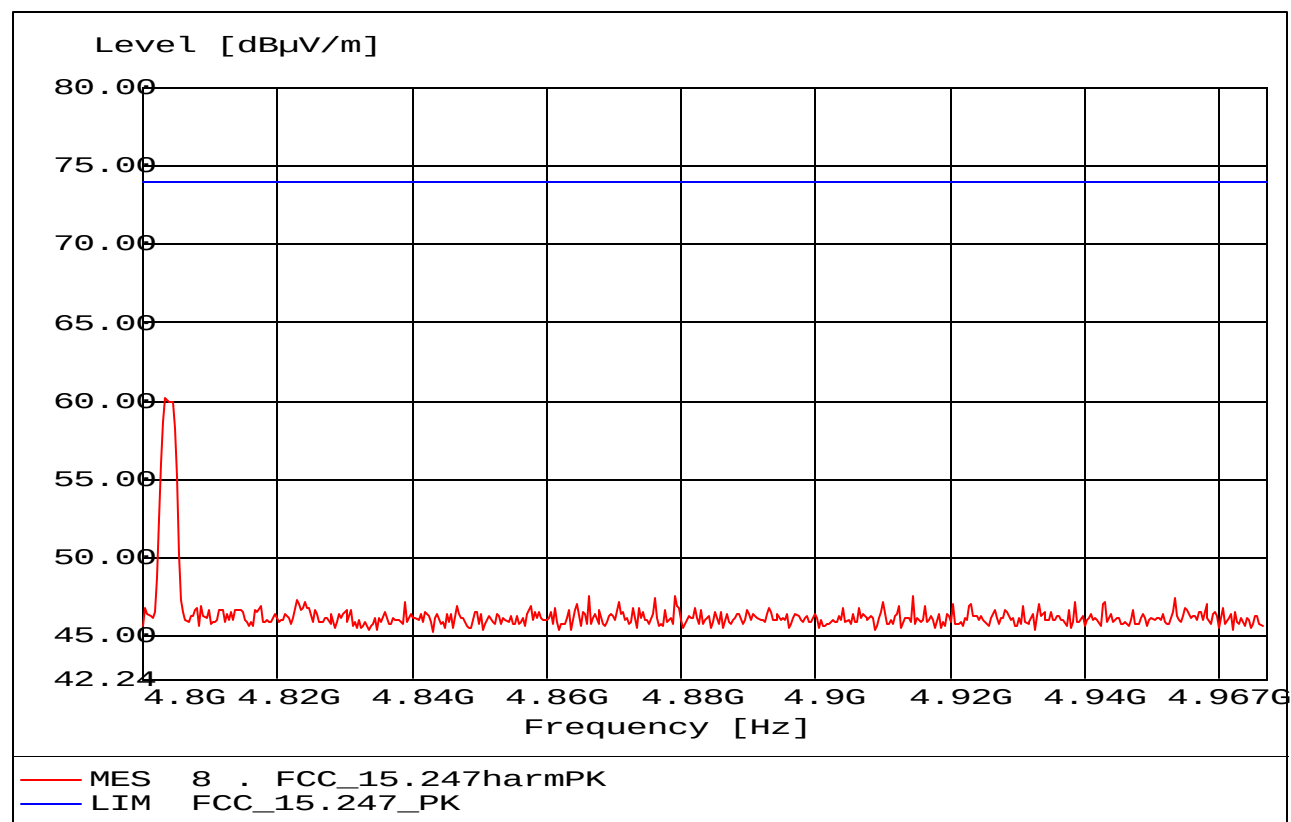
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

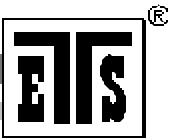
**Test Site / Operator:** ETS / Mr. Schultze

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

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

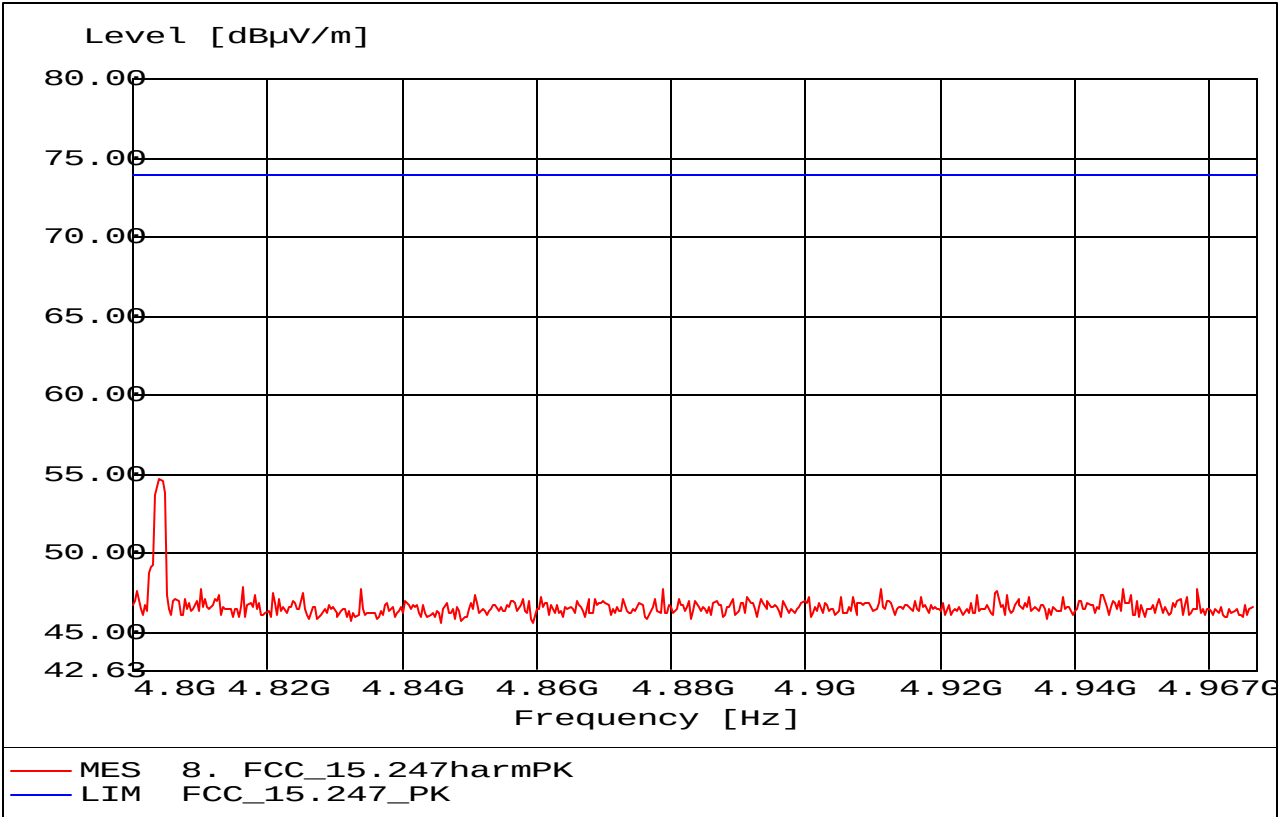
Freq: 4.803GHz, Emax: 60.18dB $\mu\text{V/m}$ , RBW: 1MHz





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

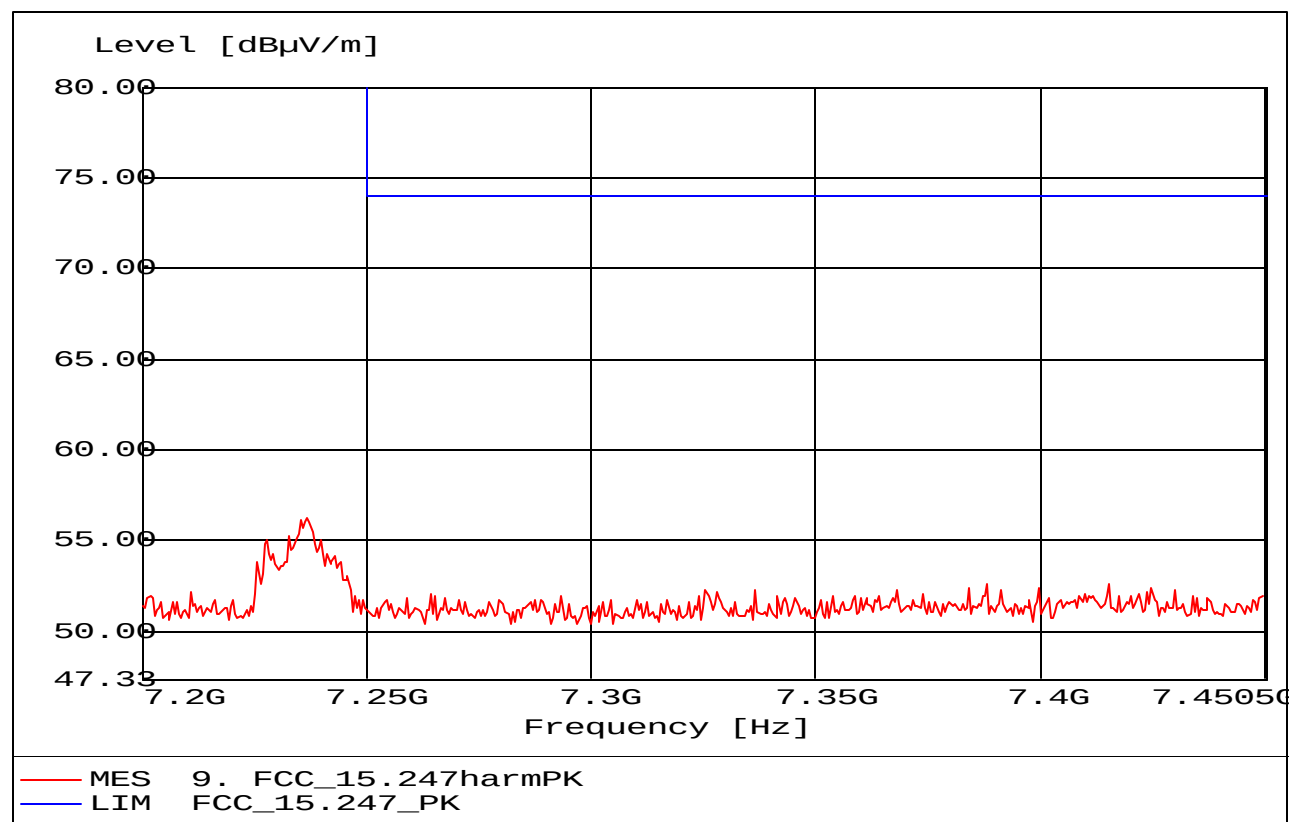
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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: 7.237GHz, Emax: 56.19dB $\mu\text{V/m}$ , 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 0 and Channel 1, continuous TX on

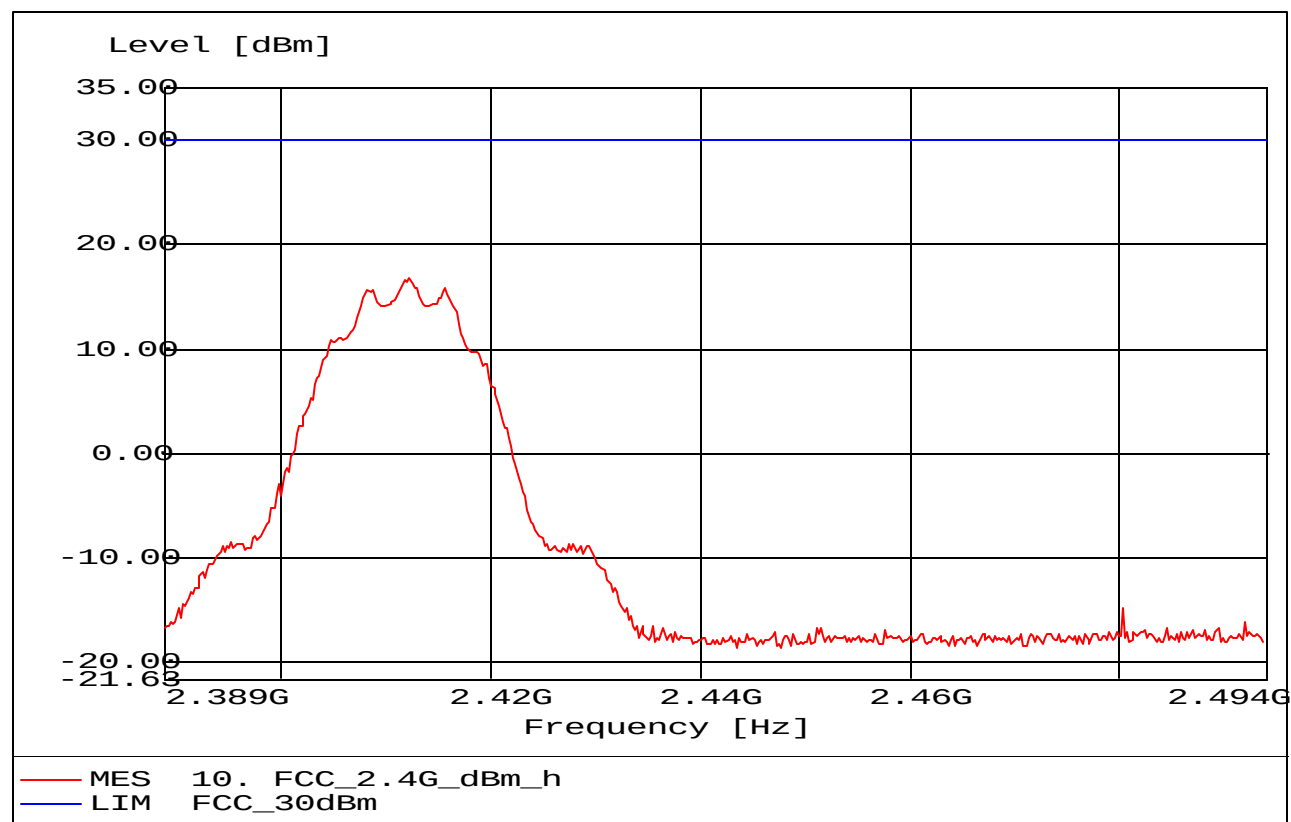
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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.

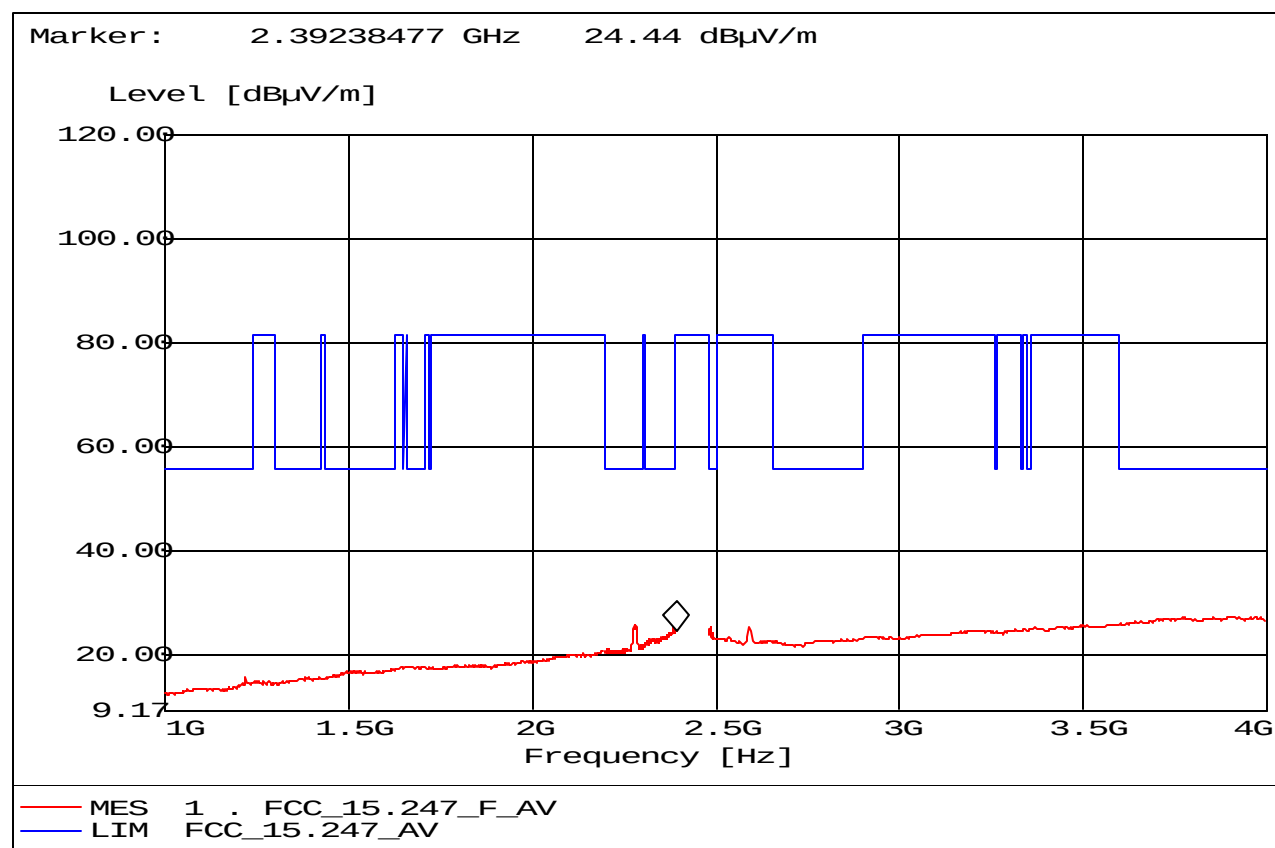
**EUT Settins:** Channel 39 and Channel 6, continuous TX on

**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 $\mu$ 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.

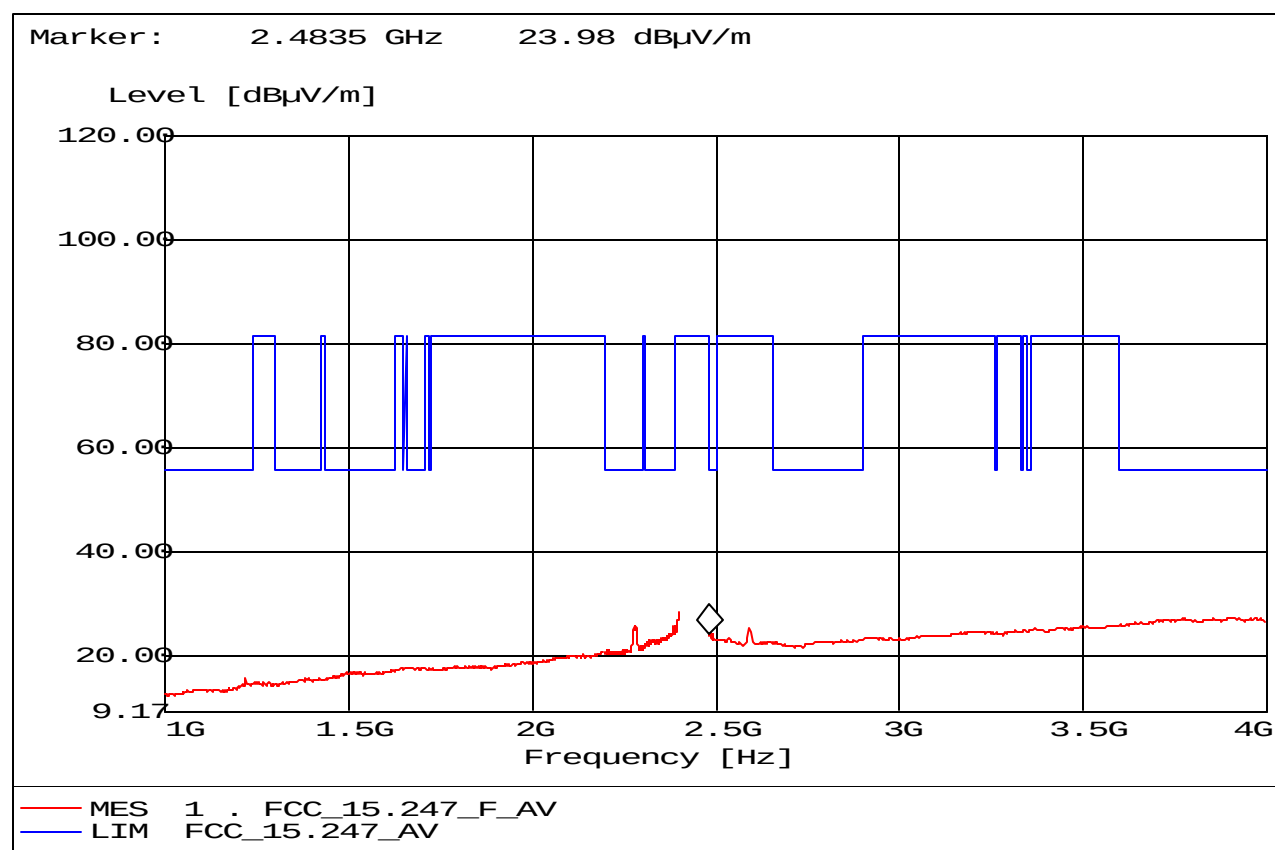
**EUT Setings:** Channel 39 and Channel 6, continuous TX on

**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 $\mu$ 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

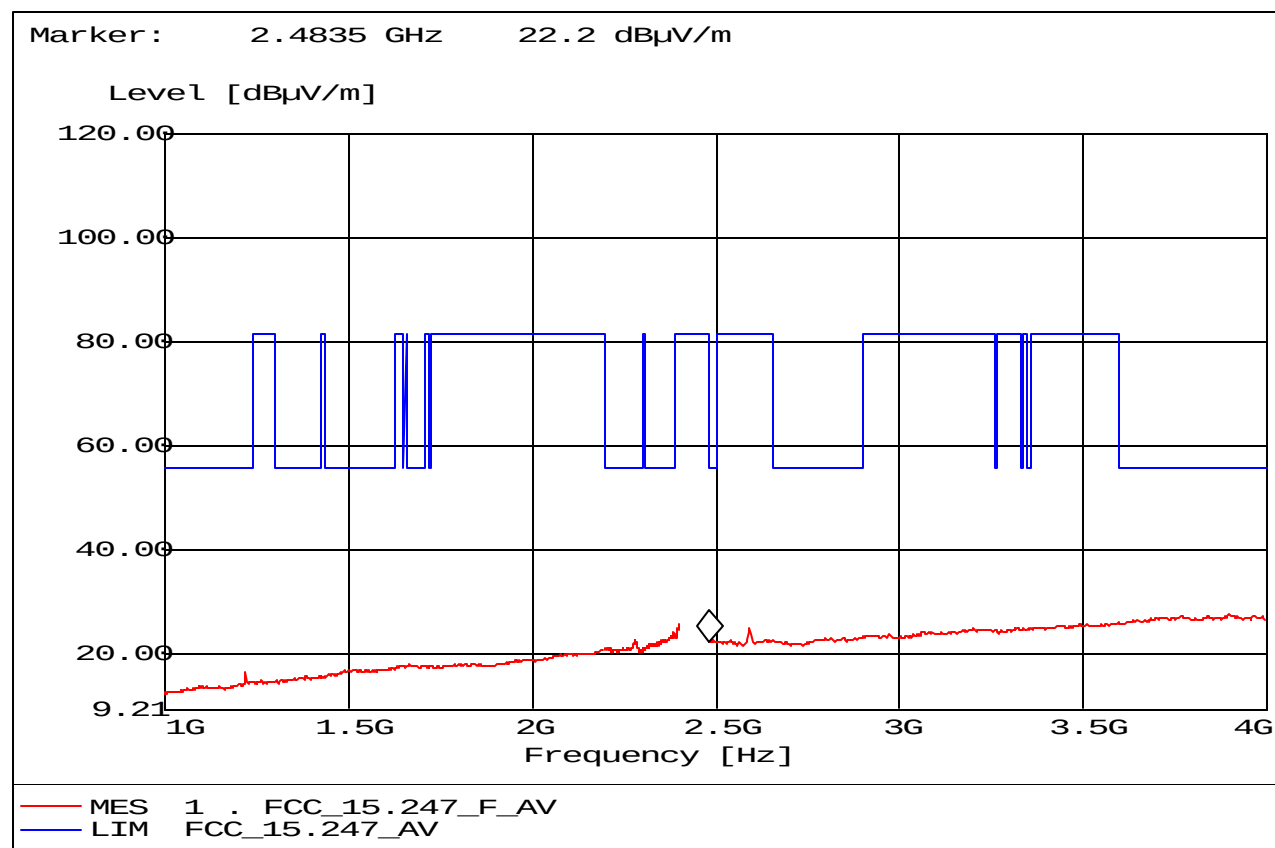
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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

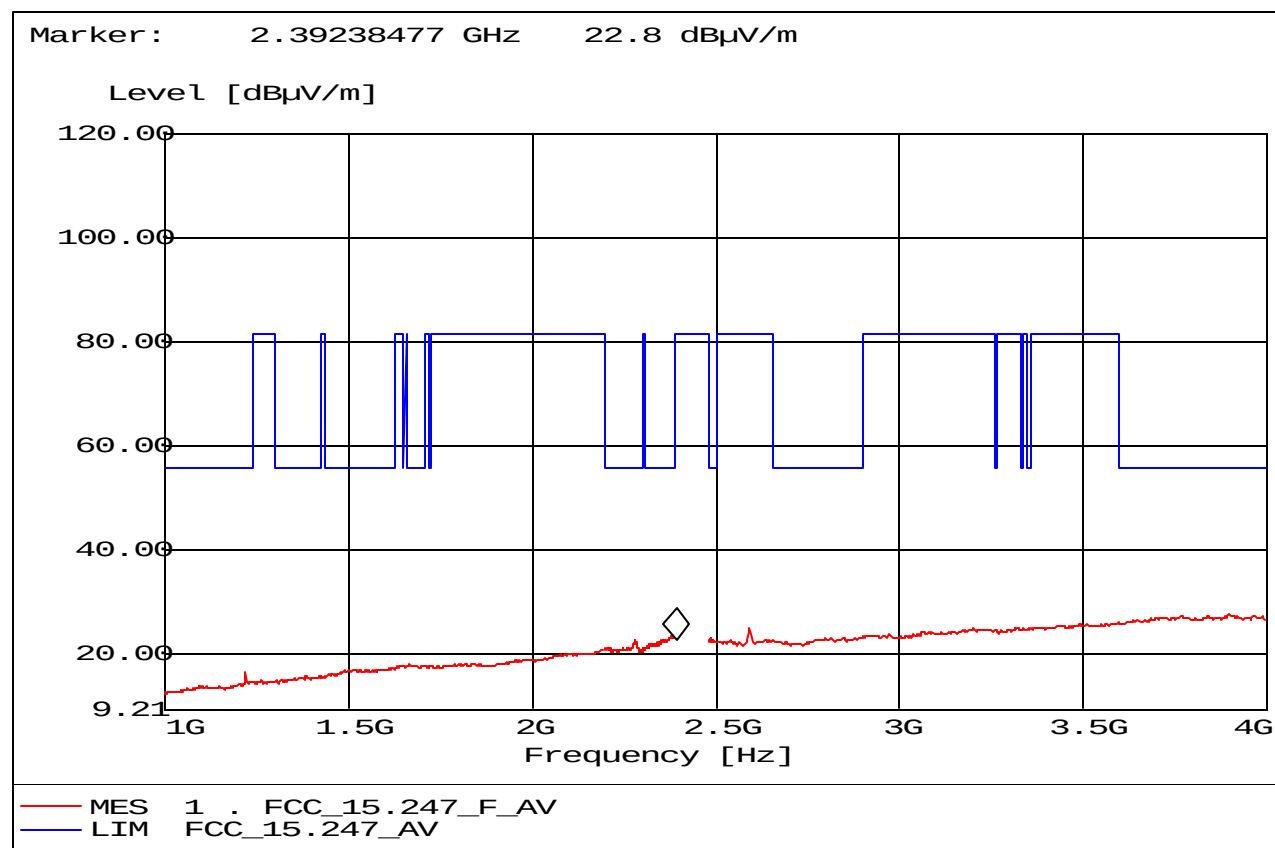
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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.

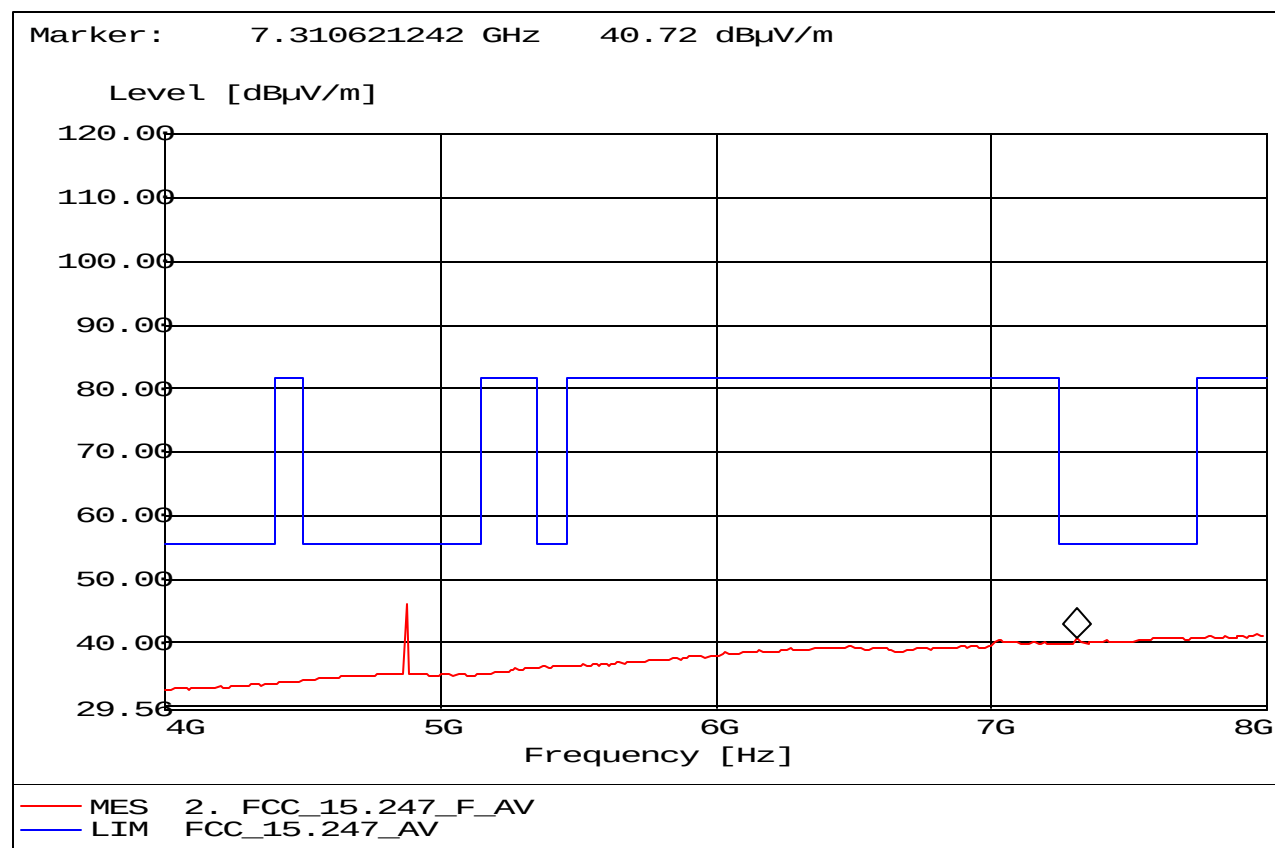
**EUT Setings:** Channel 39 and Channel 6, continuous TX on

**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 horizontal  
 Freq: 4.882GHz, Emax: 46.18dB $\mu$ 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

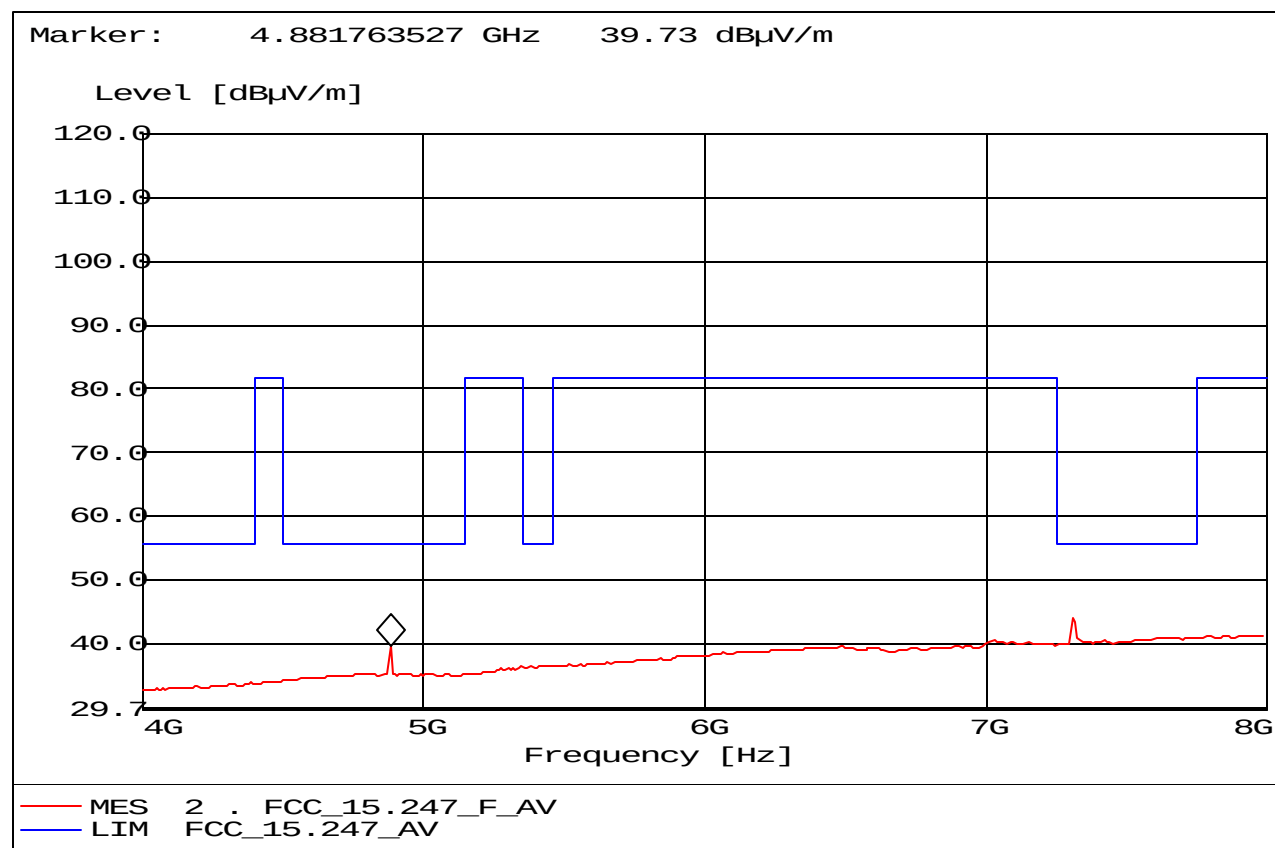
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

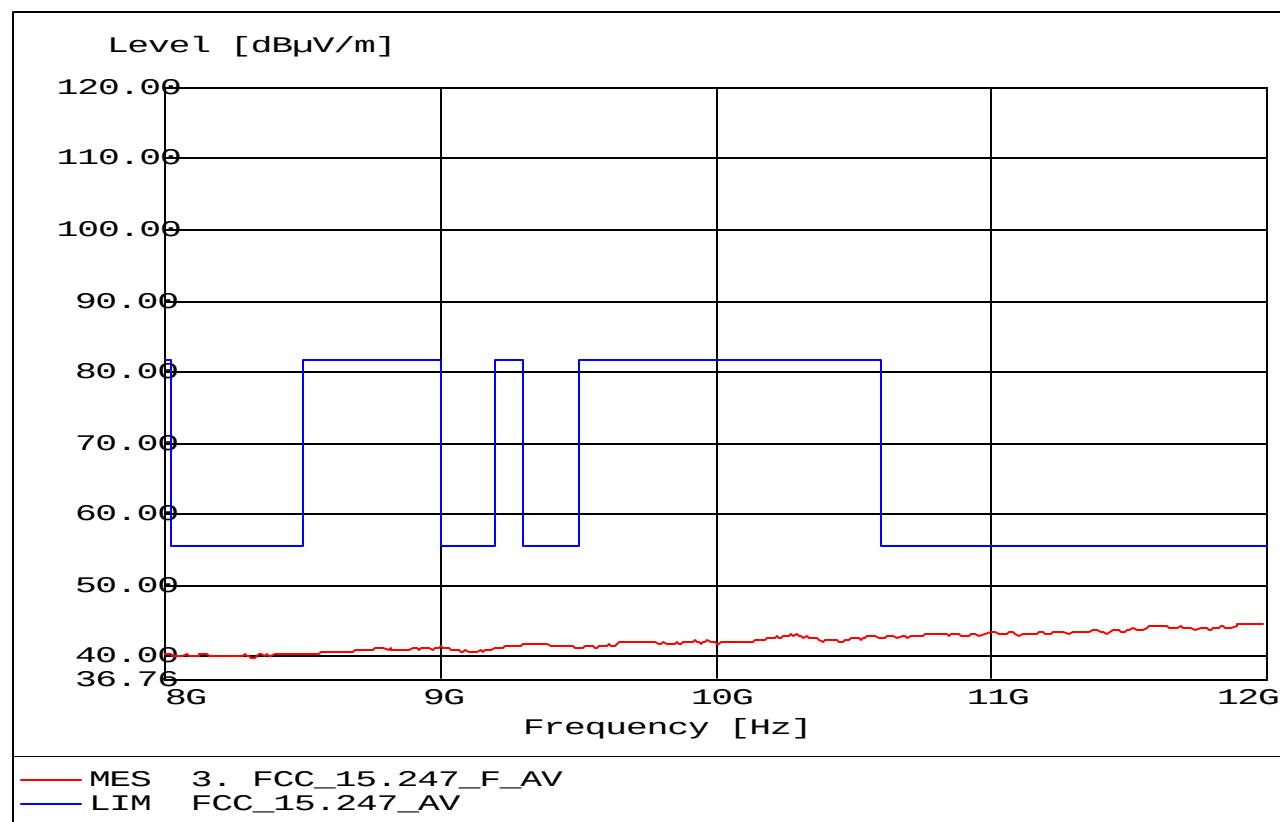
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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, Emax: 44.64dB $\mu$ 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

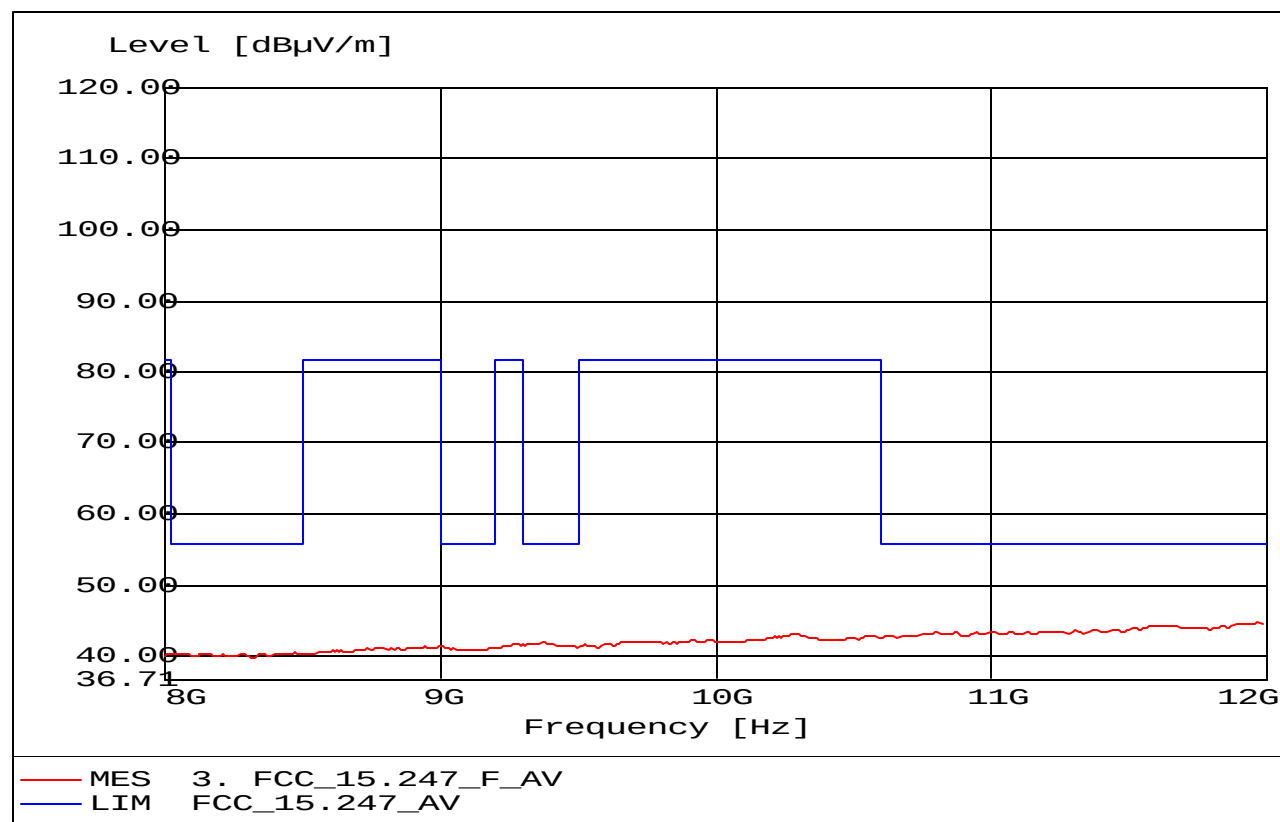
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 11.968GHz, **E<sub>max</sub>:** 44.66dB $\mu\text{V/m}$ , **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

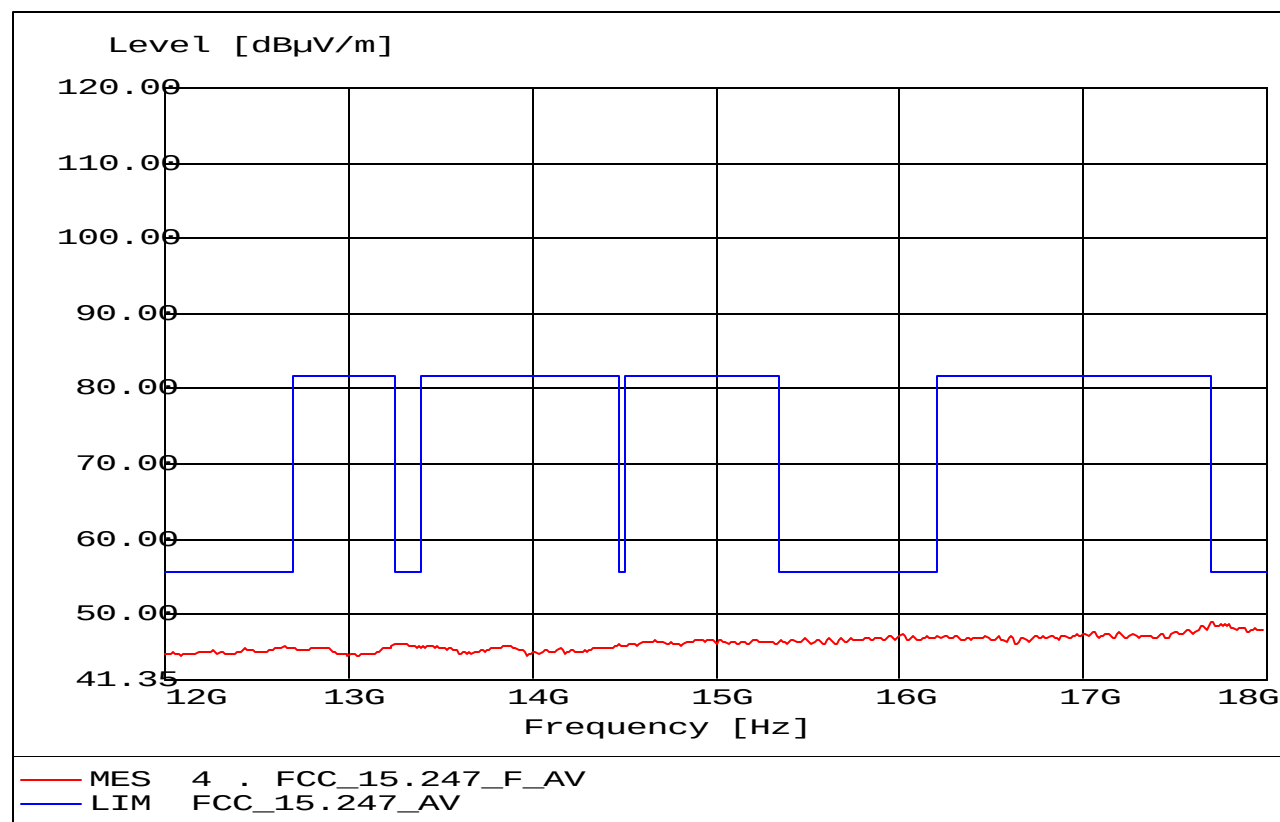
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 17.699GHz, **E<sub>max</sub>:** 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

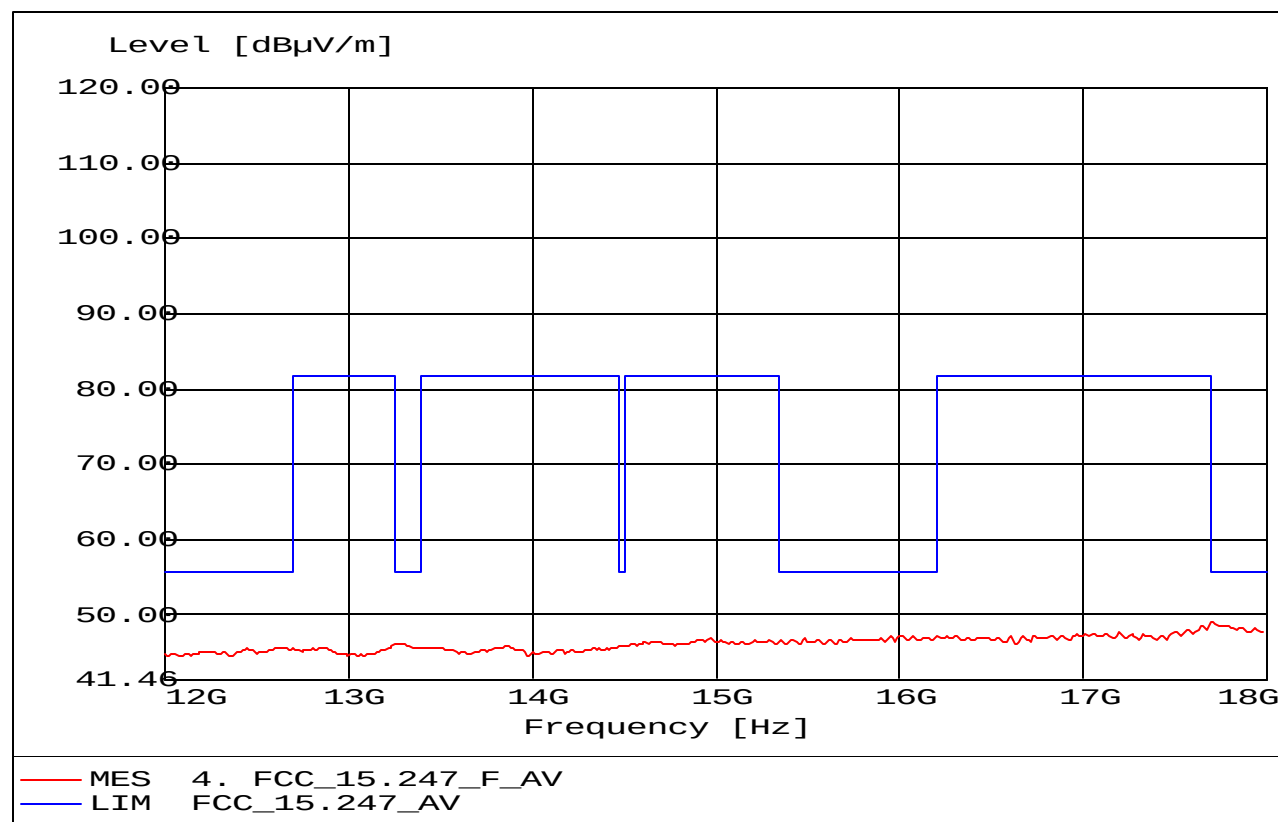
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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

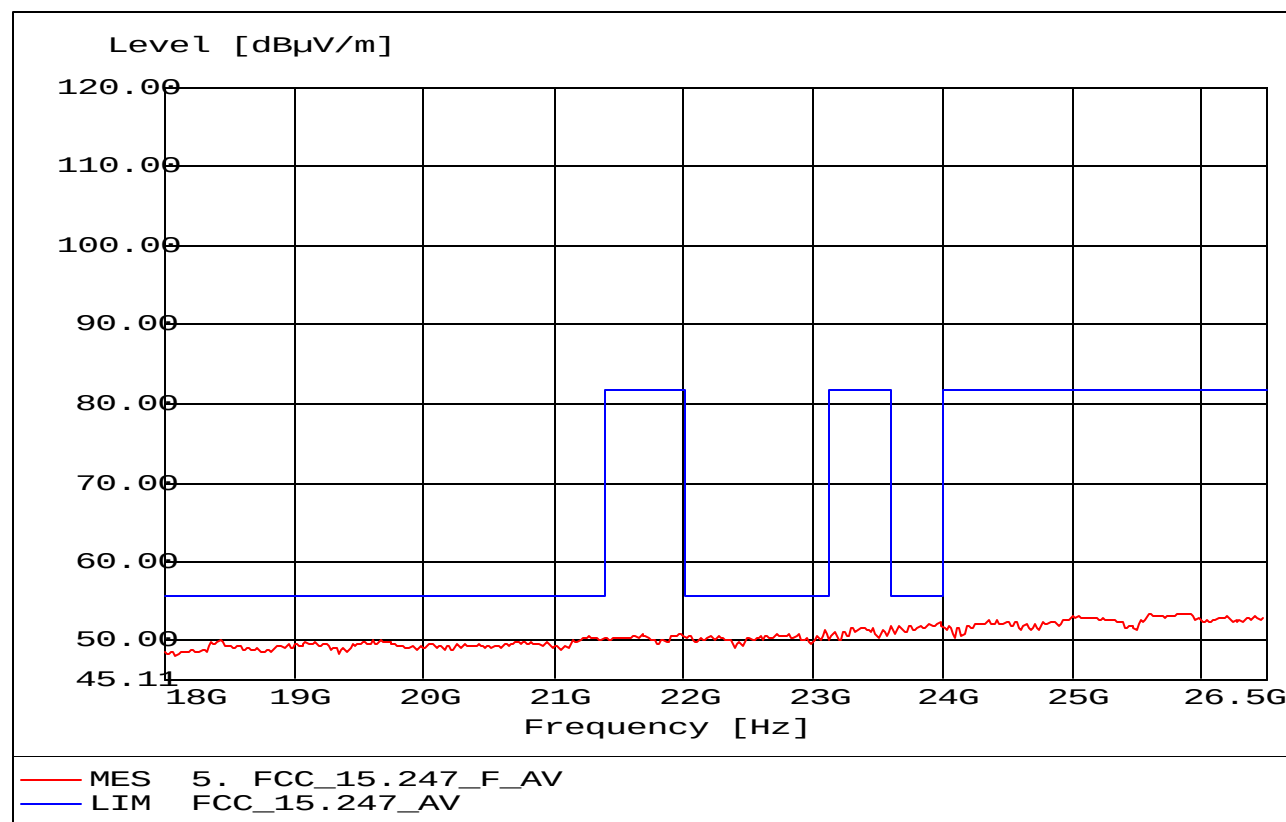
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

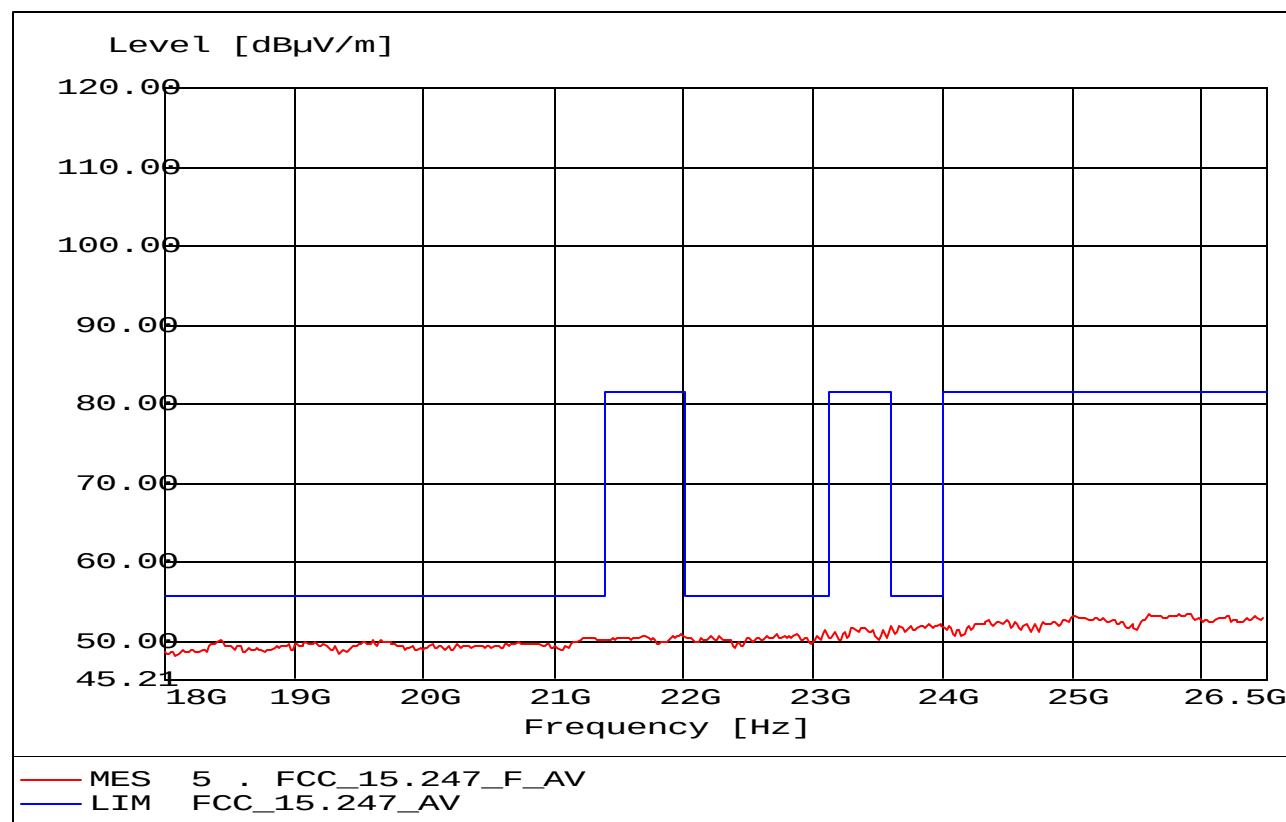
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

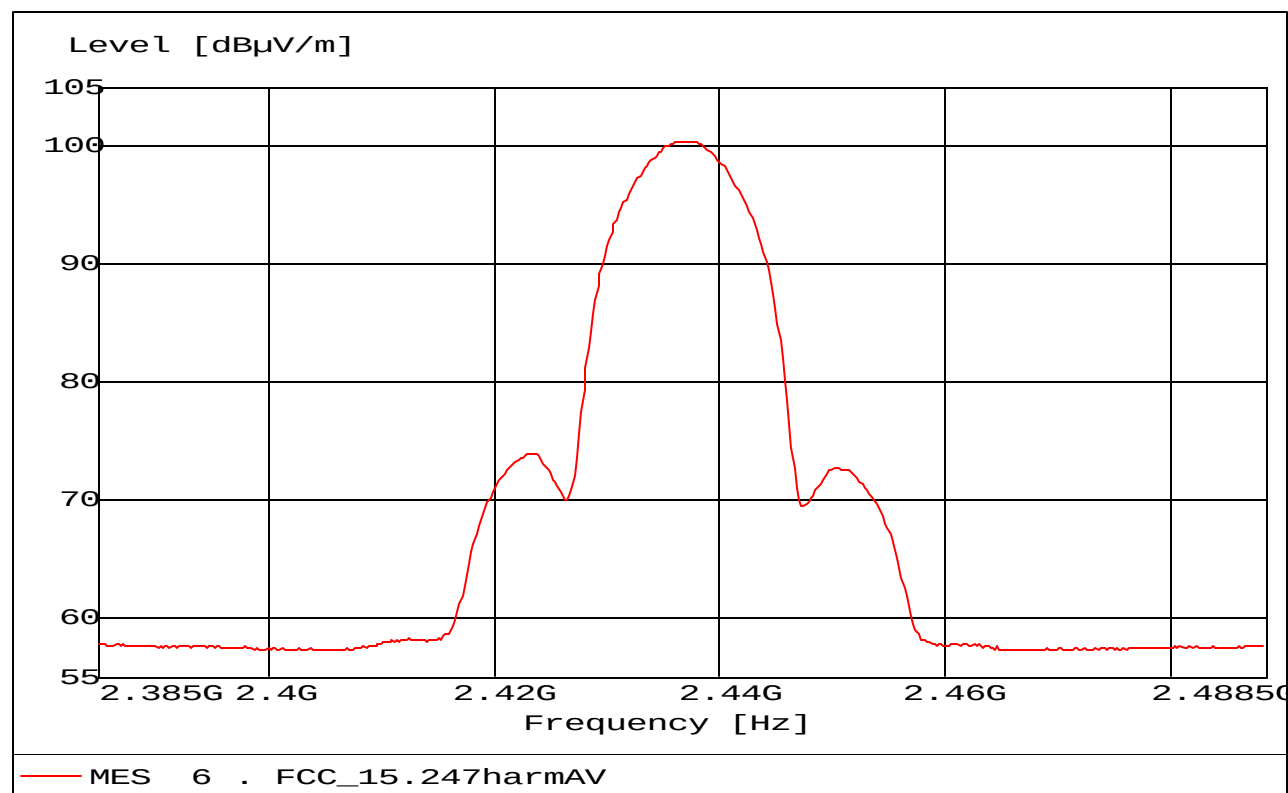
**Operating Condition:** t nom=22°C Internal battery

**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<sub>max</sub>:** 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.

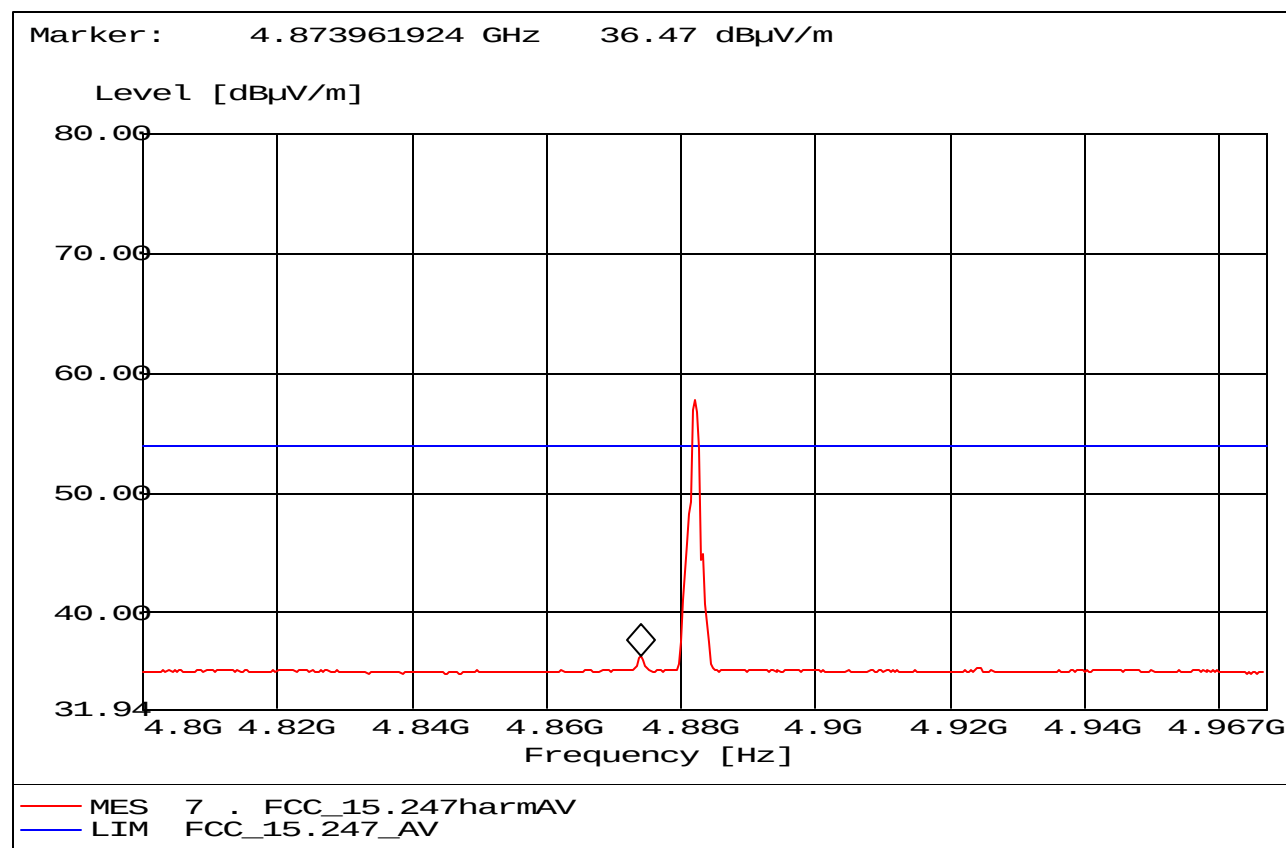
**EUT Setings:** Channel 39 and Channel 6, continuous TX on

**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

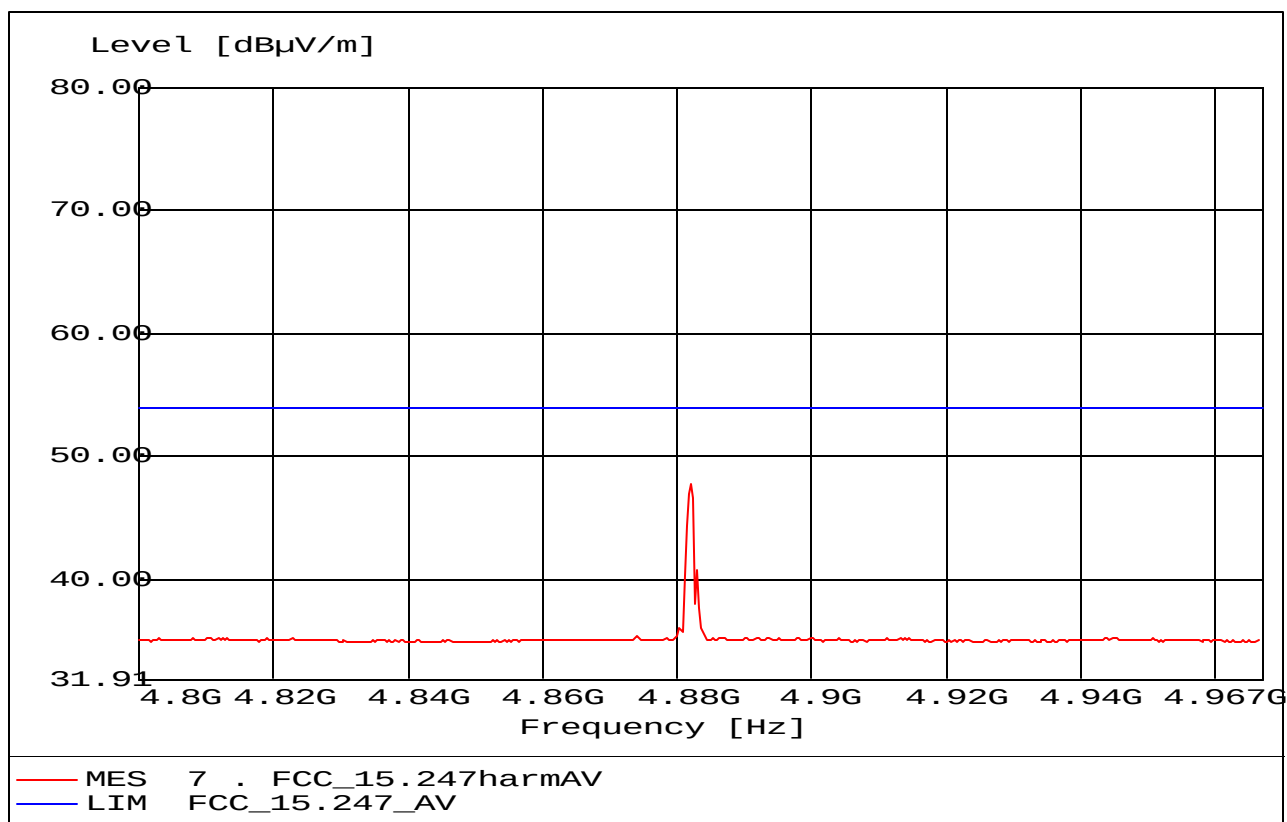
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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.

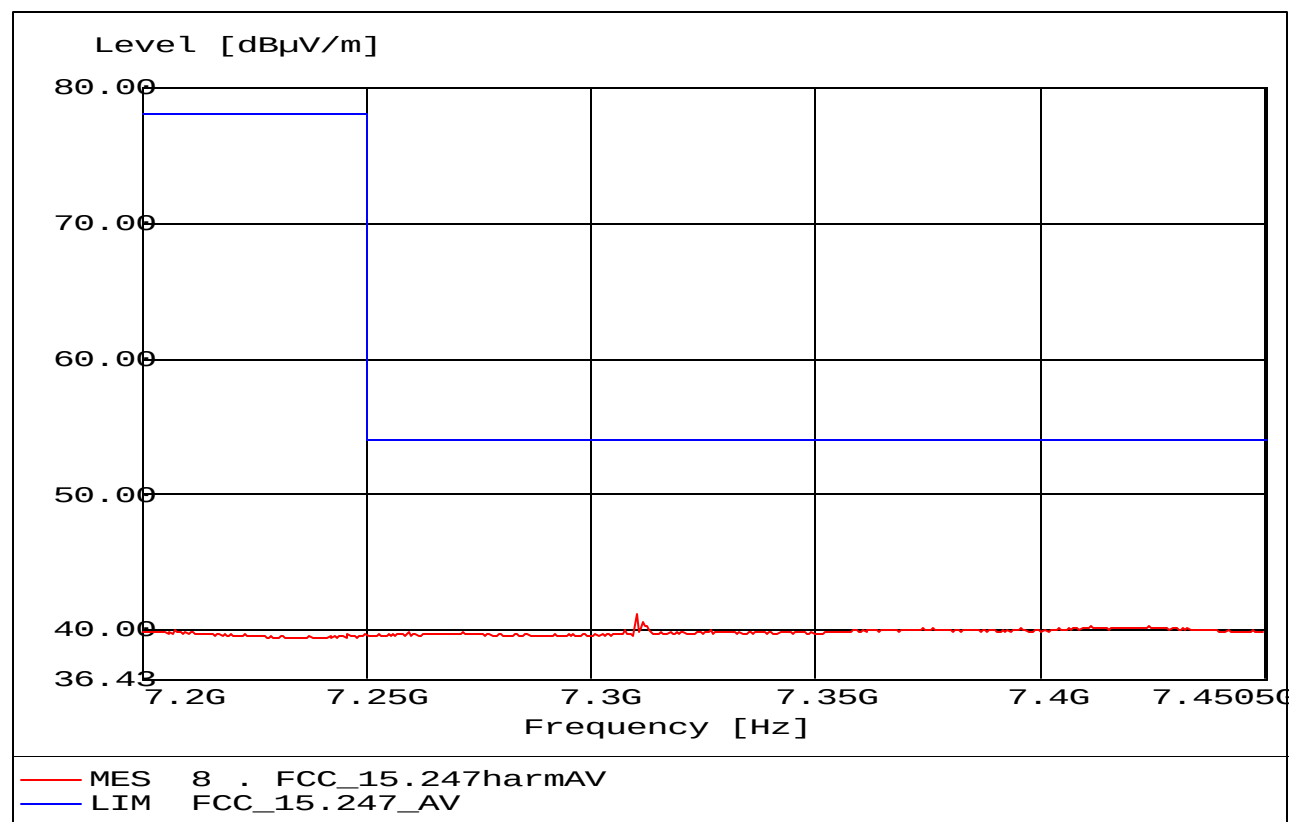
**EUT Setings:** Channel 39 and Channel 6, continuous TX on

**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 $\mu$ 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

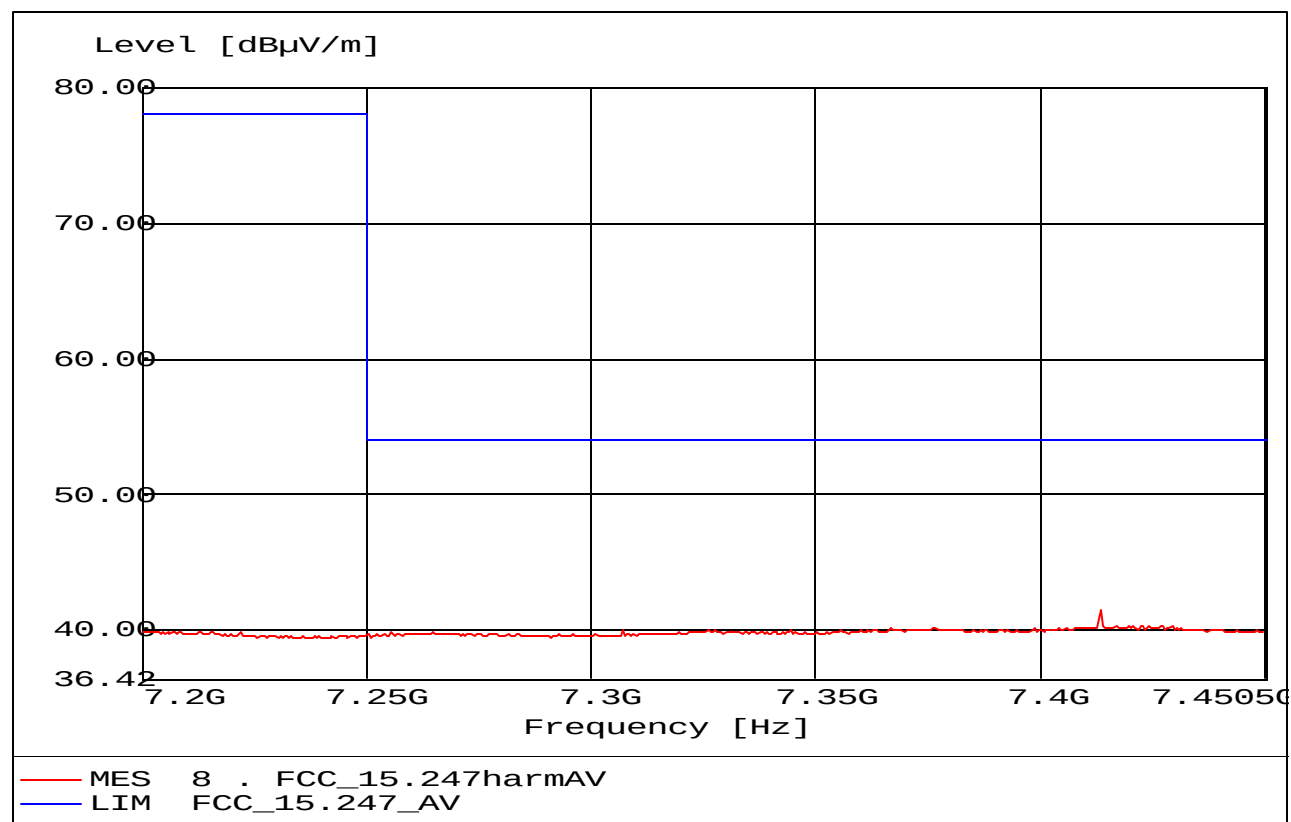
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

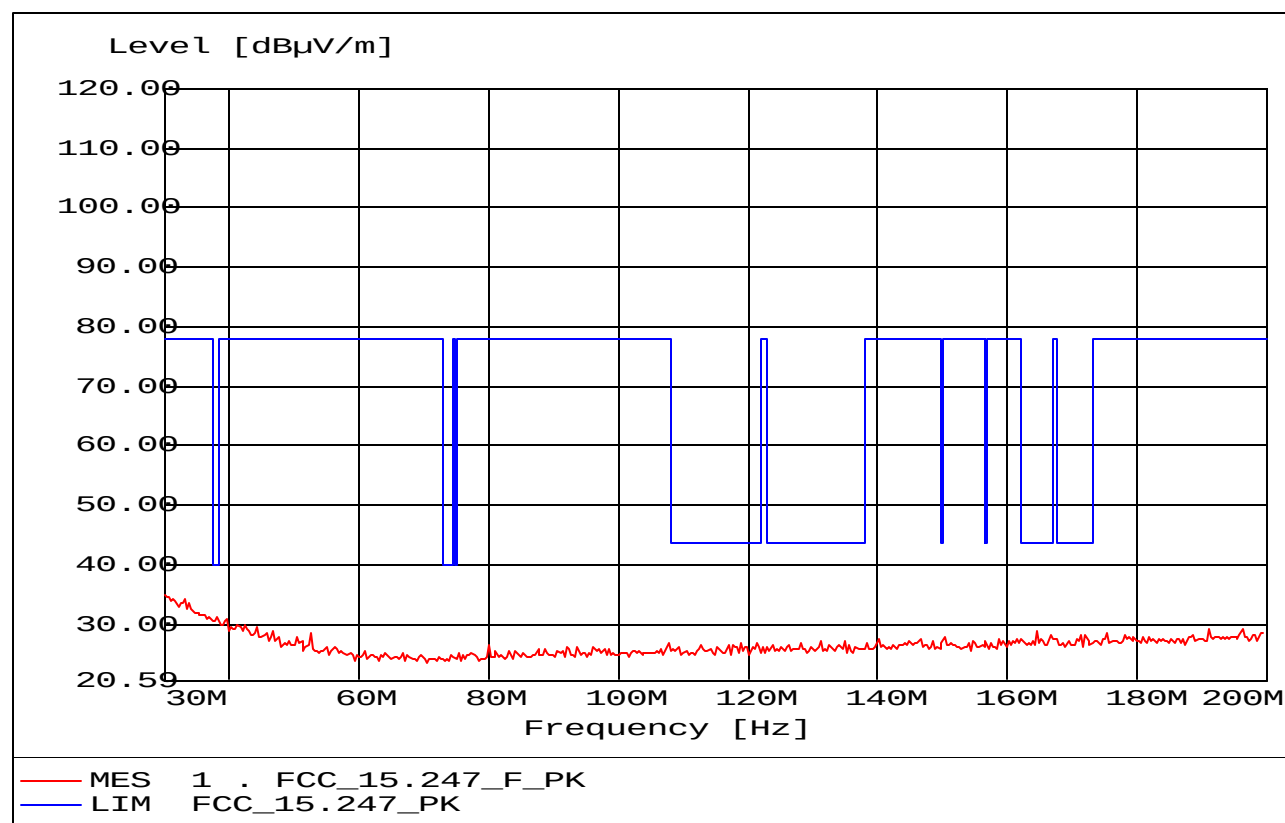
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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: 35.03dB $\mu$ 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

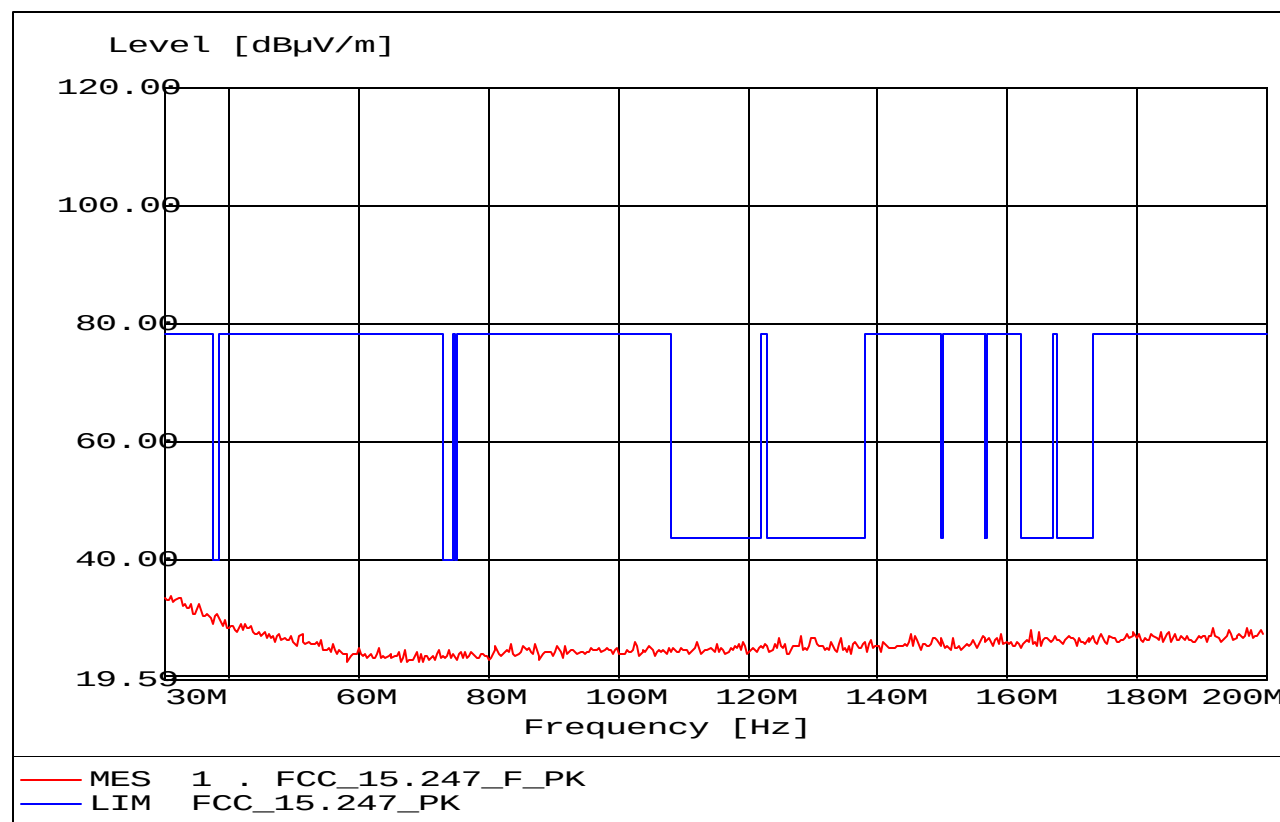
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 31.022MHz, **E<sub>max</sub>:** 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

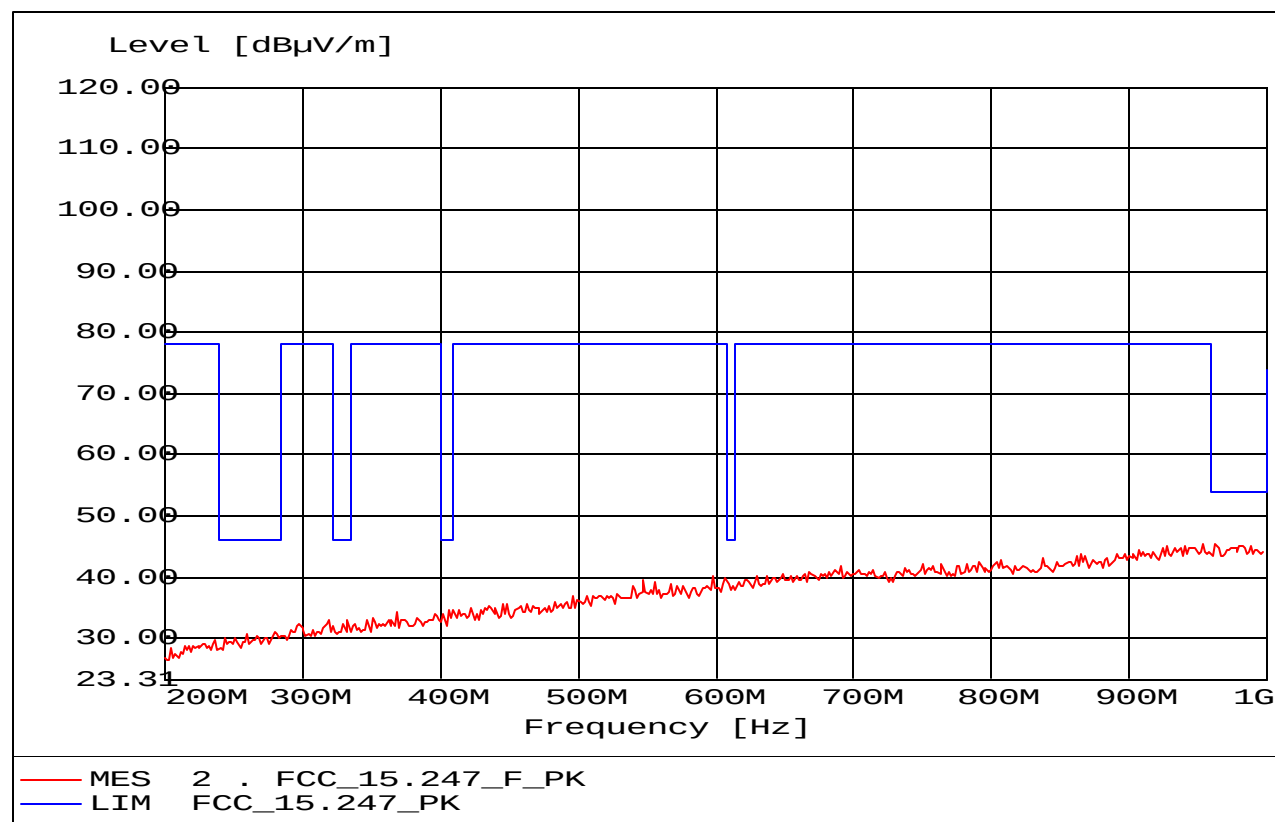
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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

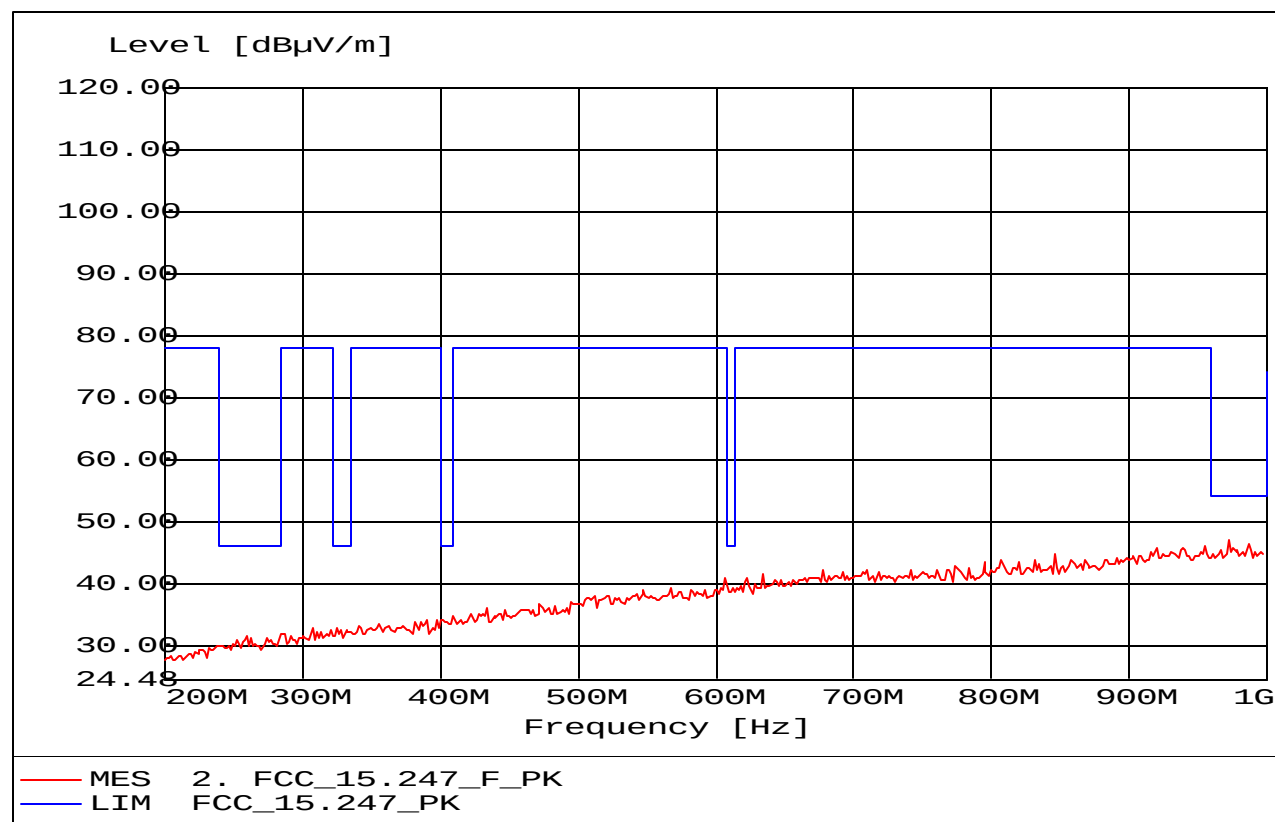
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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, Emax: 46.78dB $\mu$ 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.

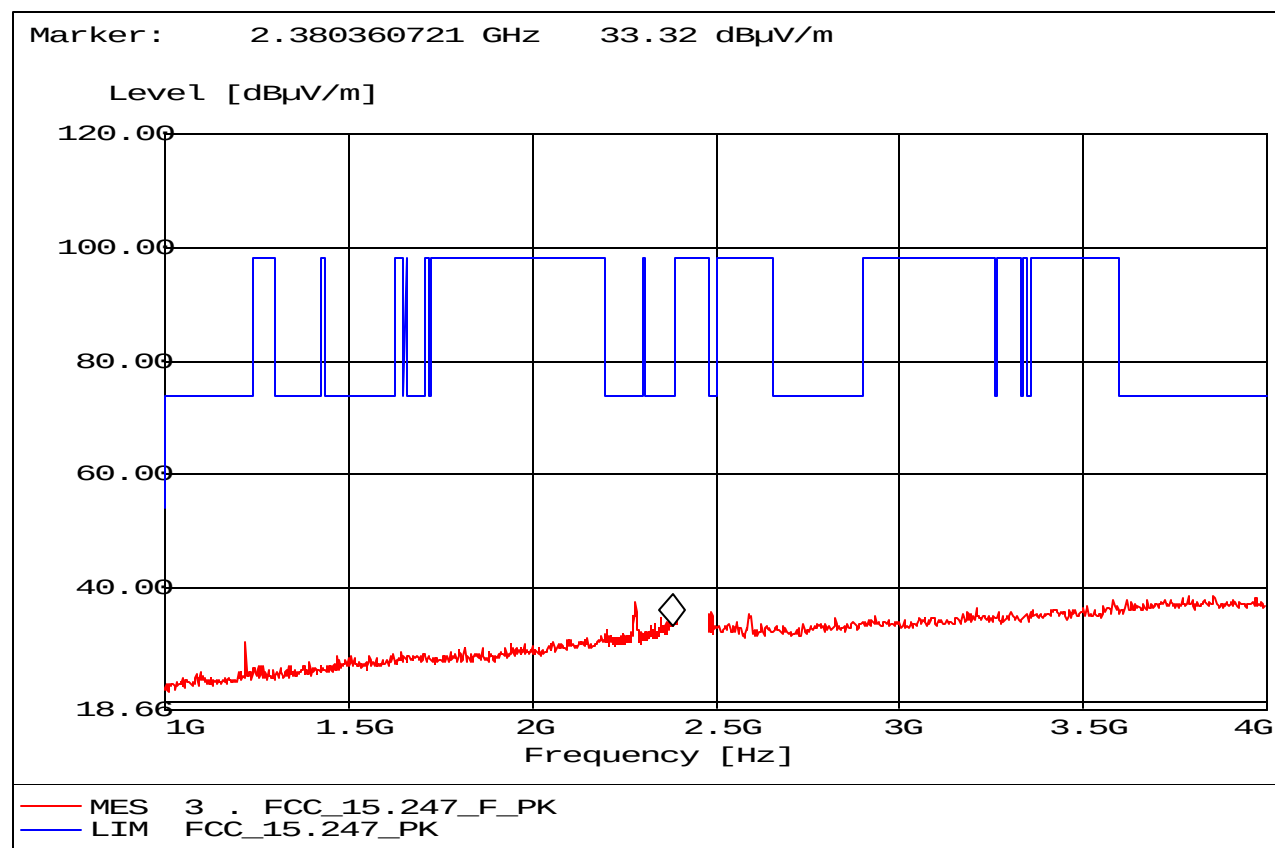
**EUT Setings:** Channel 39 and Channel 6, continuous TX on

**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 $\mu\text{V/m}$ , 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

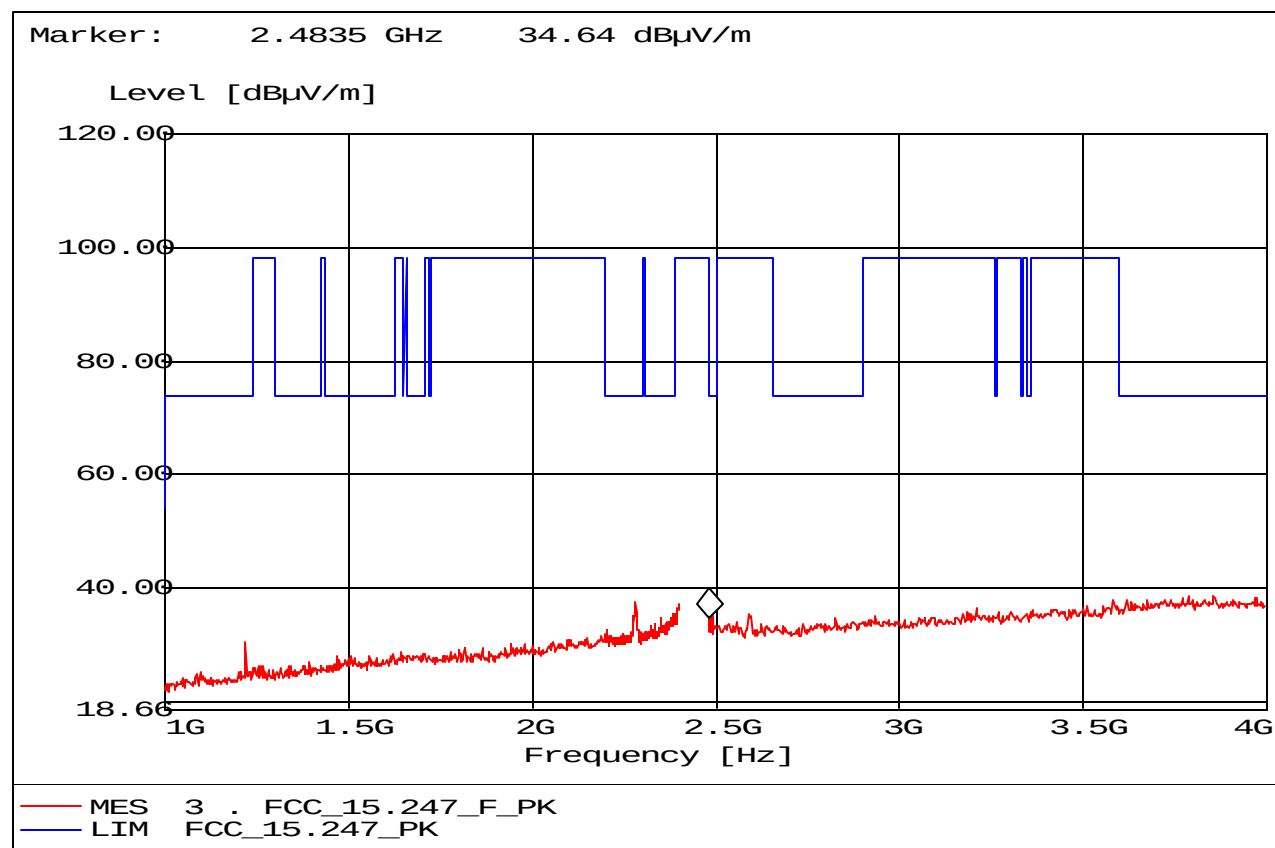
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 horizontal

Freq: 3.855GHz, Emax: 38.64dB $\mu\text{V/m}$ , 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 39 and Channel 6, continuous TX on

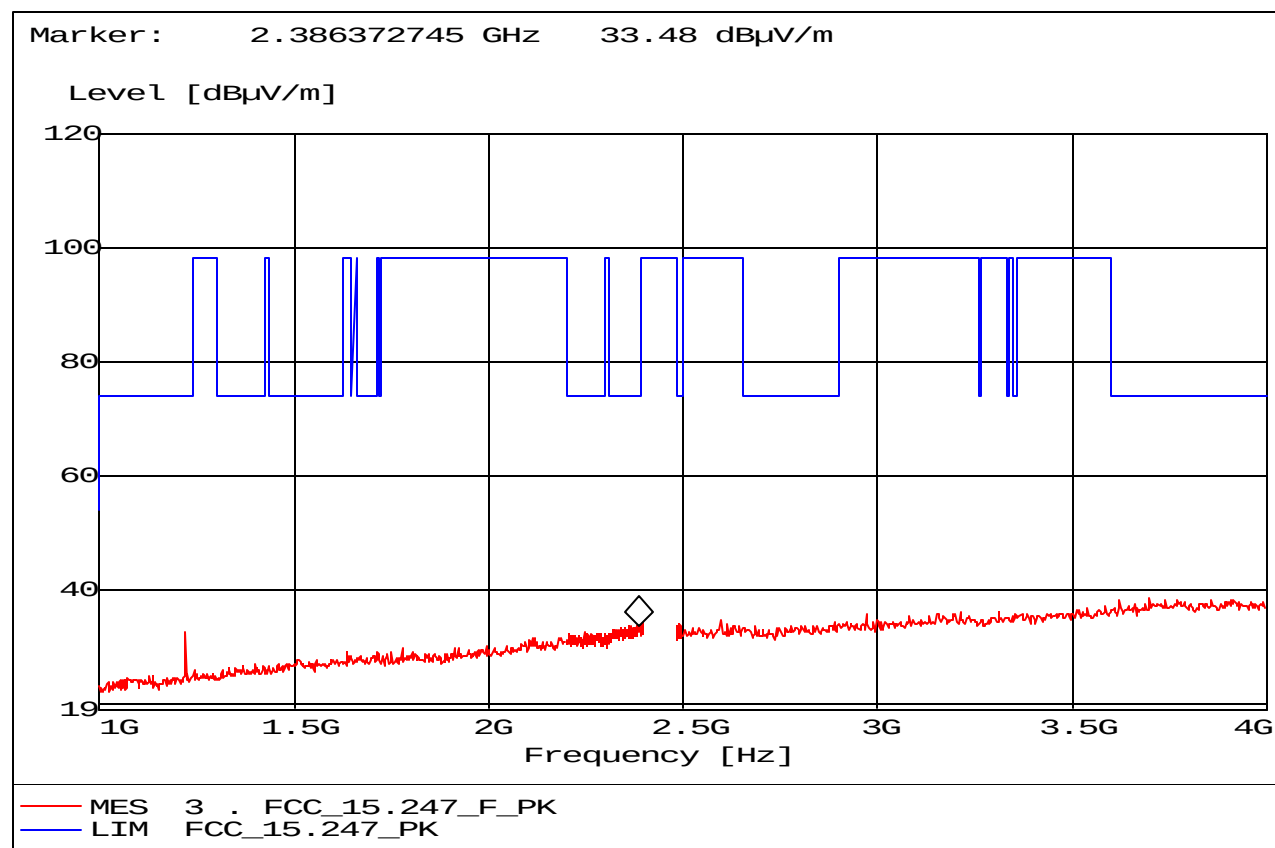
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

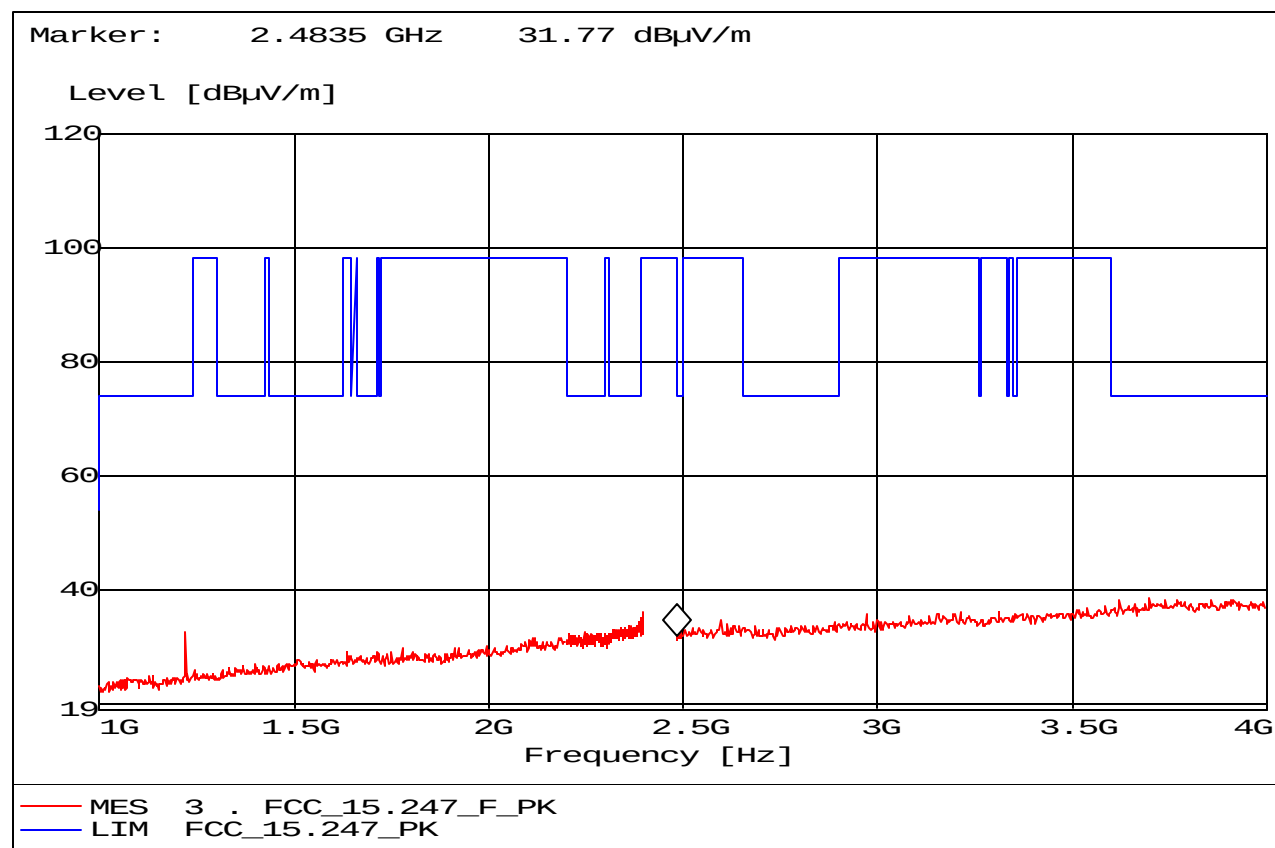
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

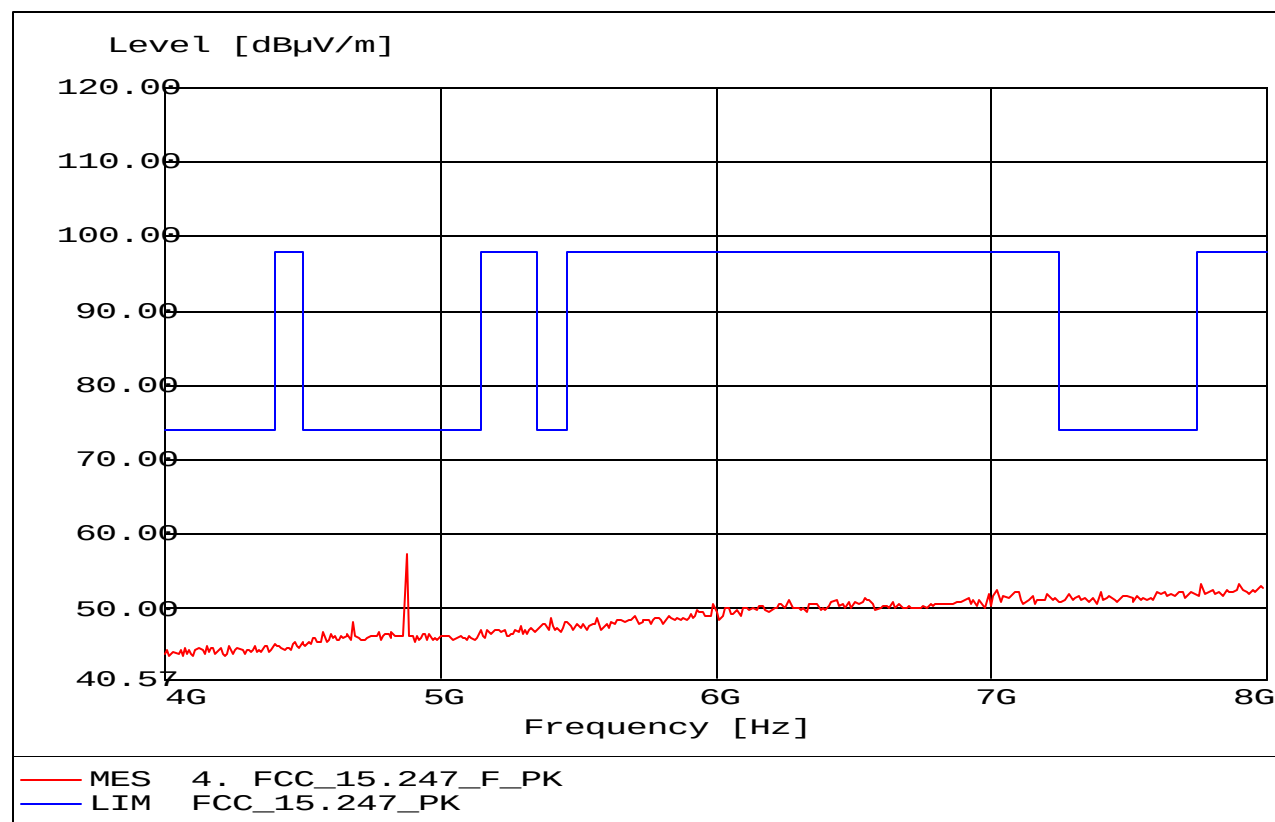
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

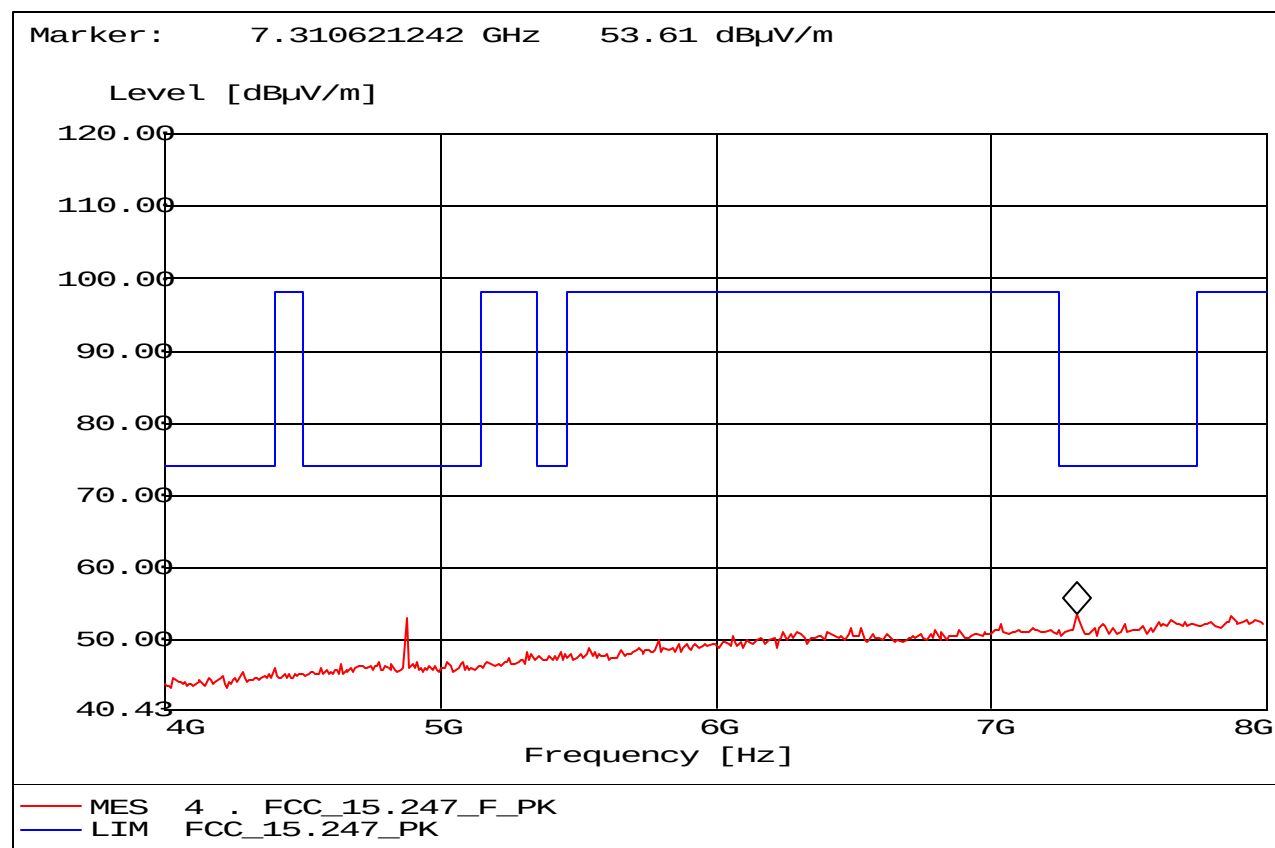
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 53.61dB $\mu$ 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

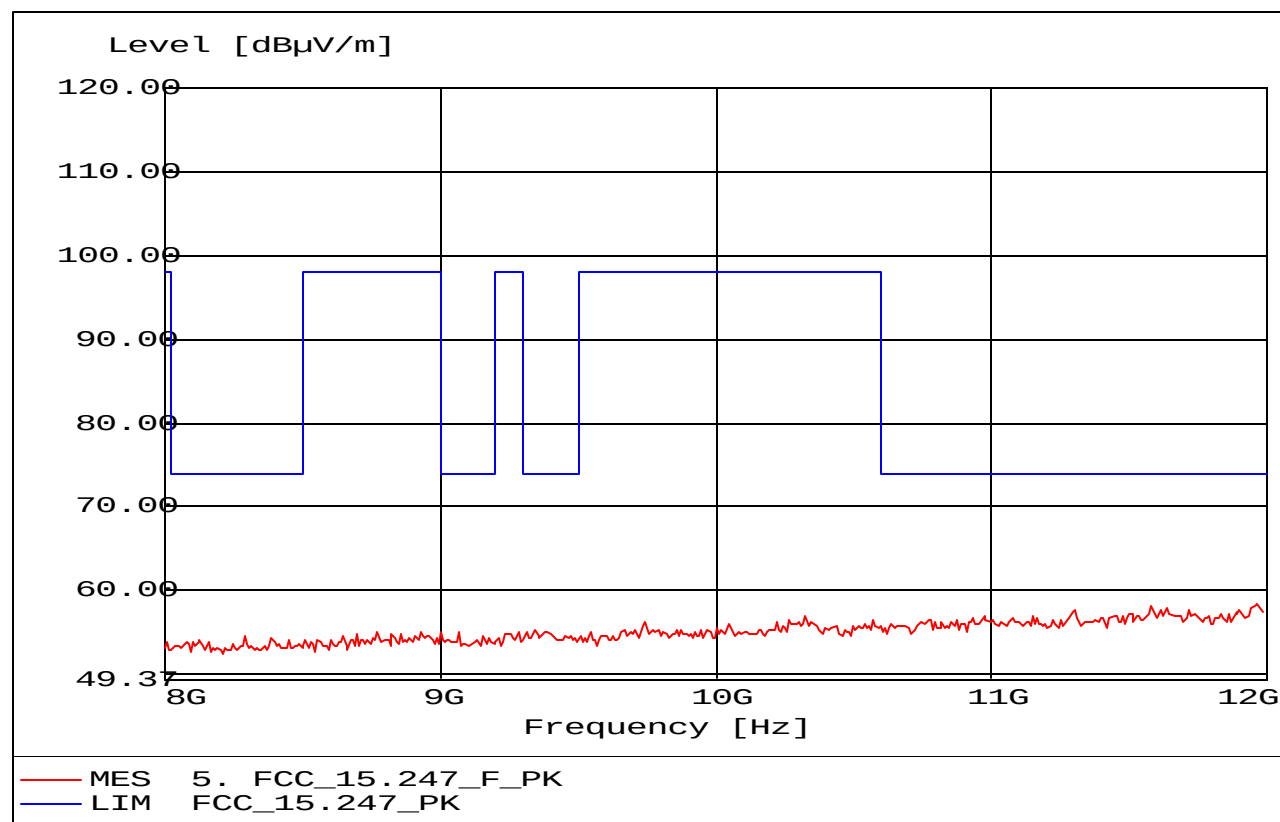
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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:** 11.968GHz, **E<sub>max</sub>:** 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

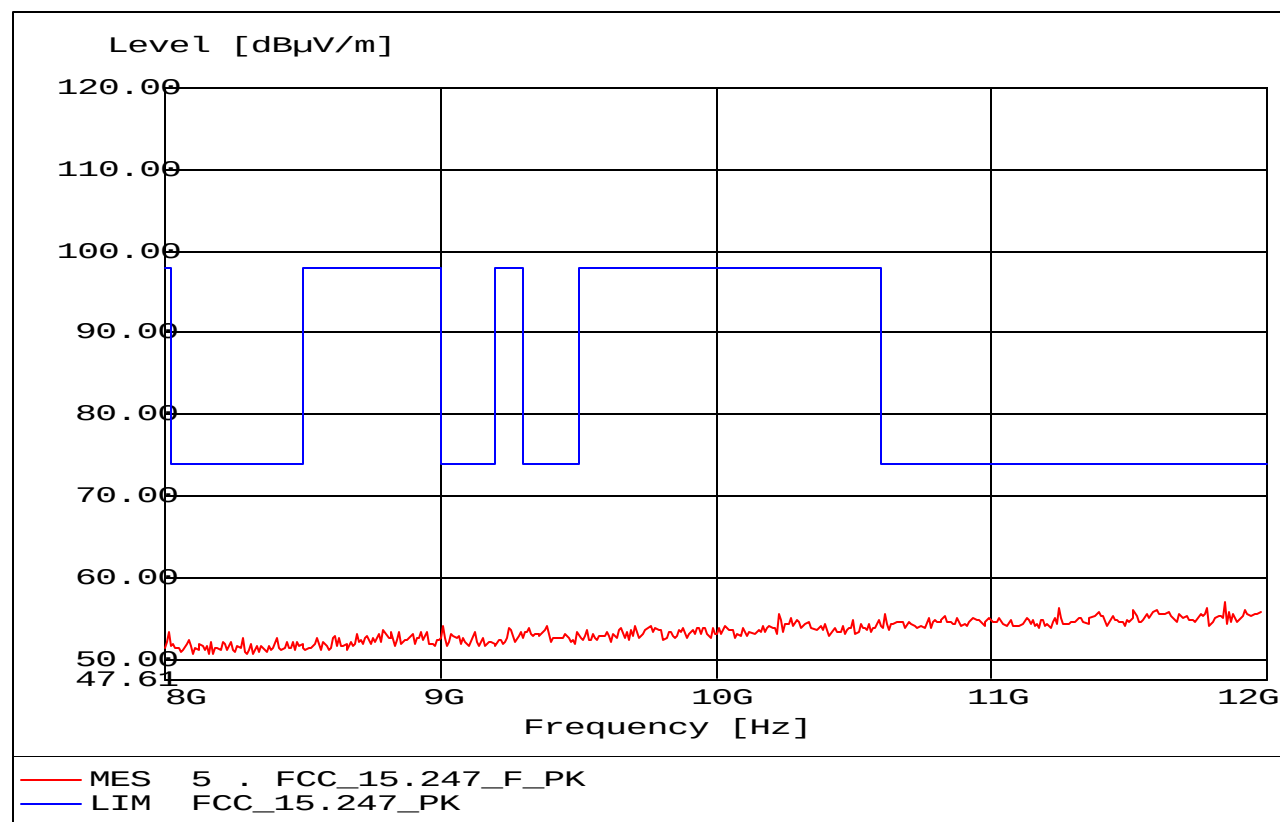
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

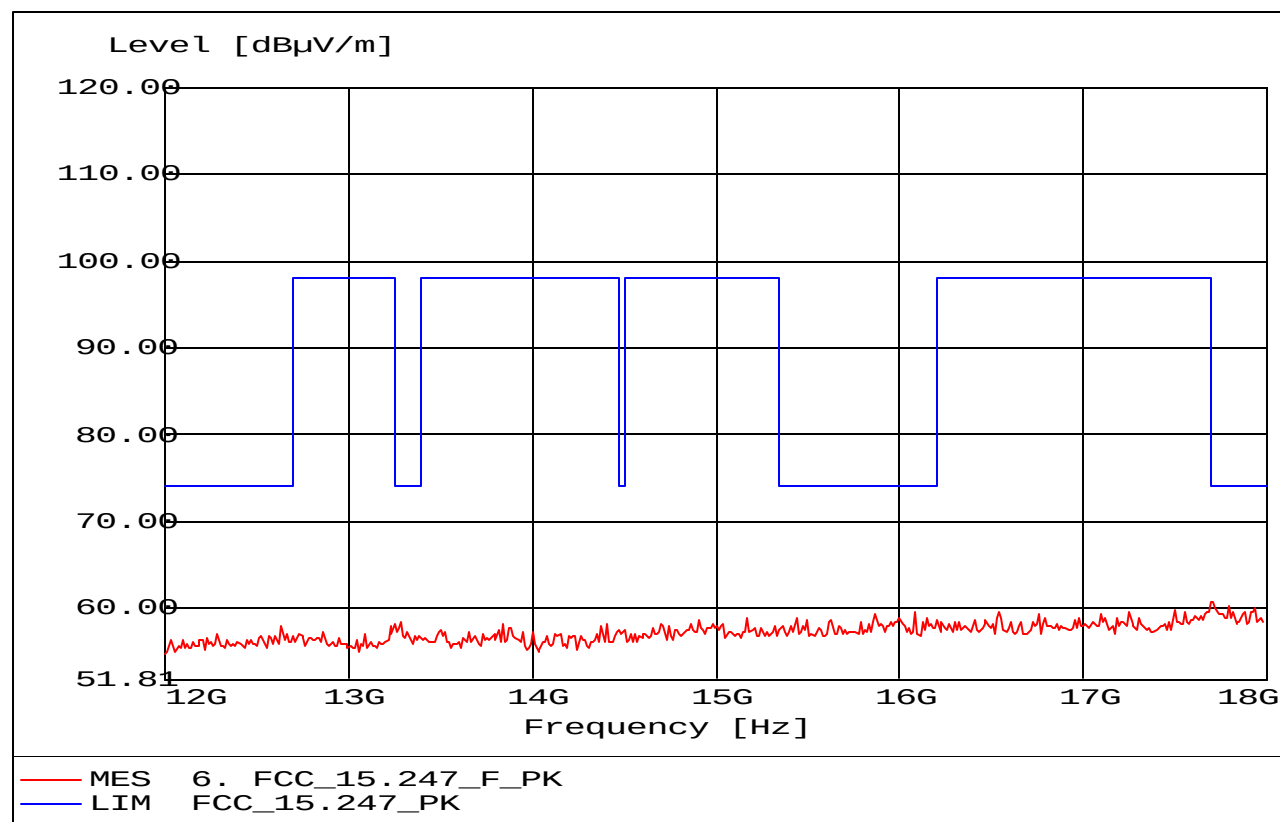
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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: 17.699GHz, Emax: 60.75dB $\mu$ 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

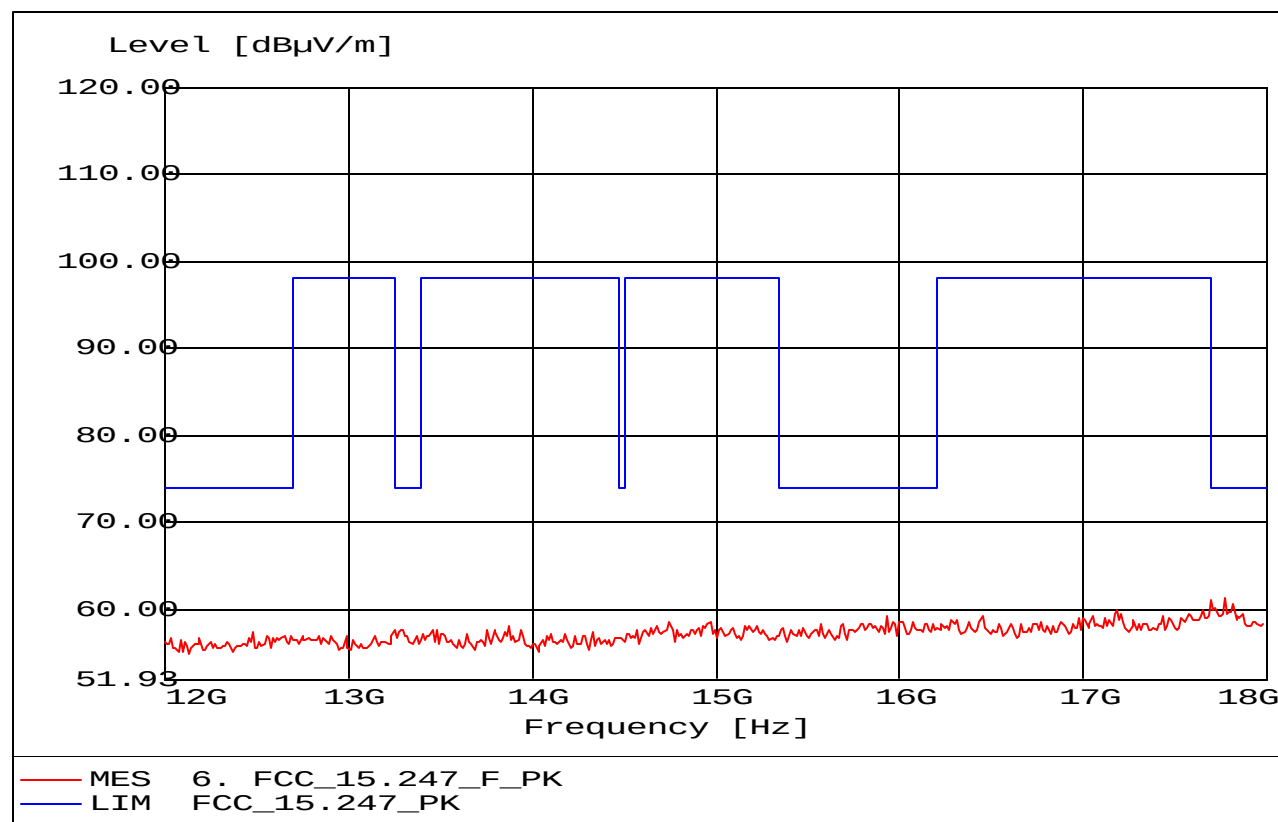
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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: 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

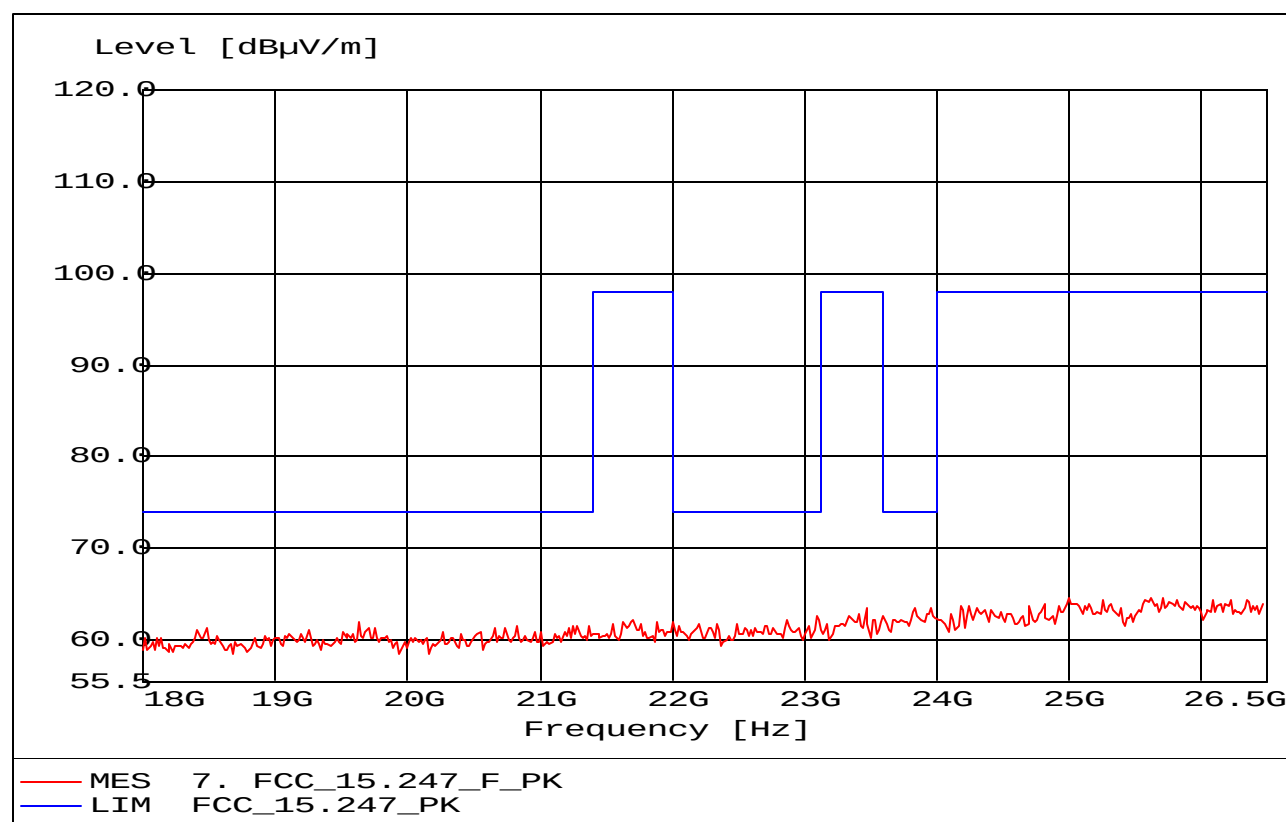
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

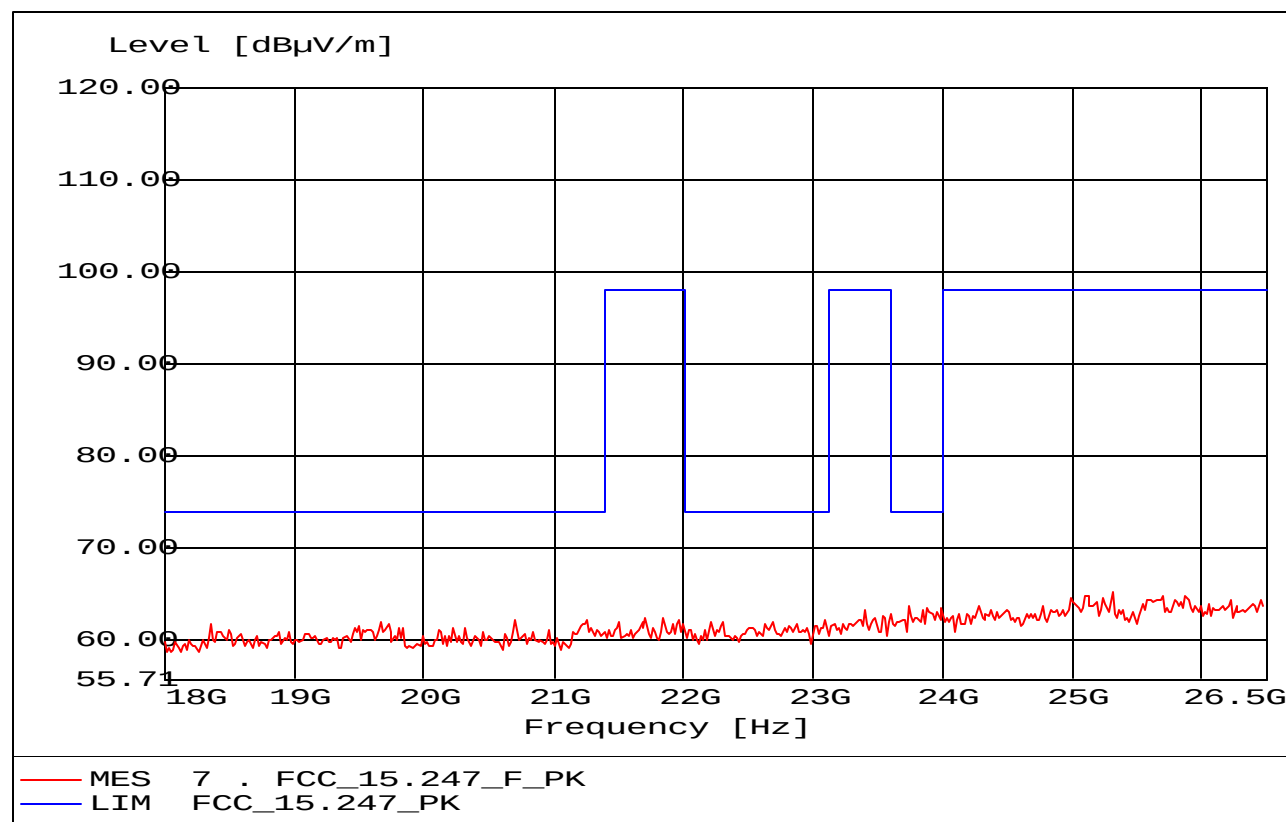
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

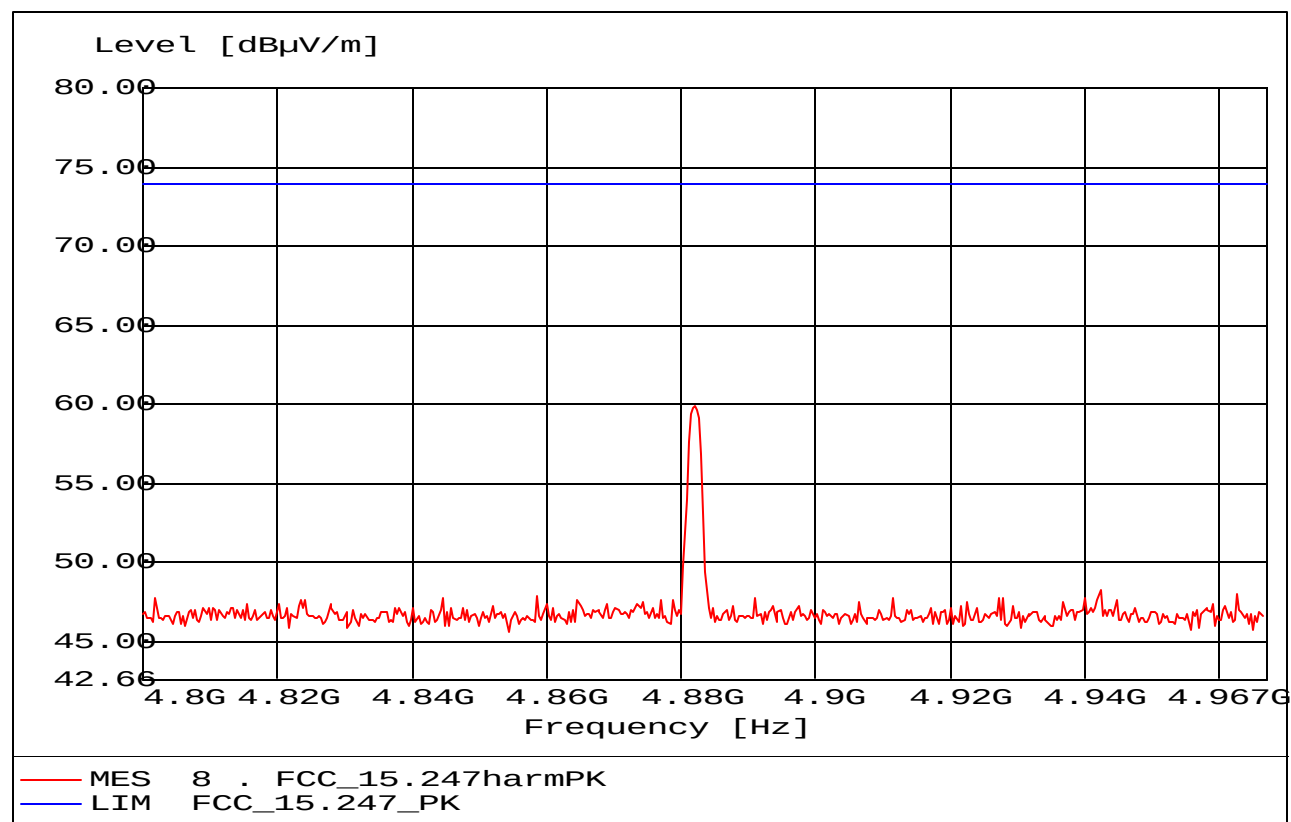
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

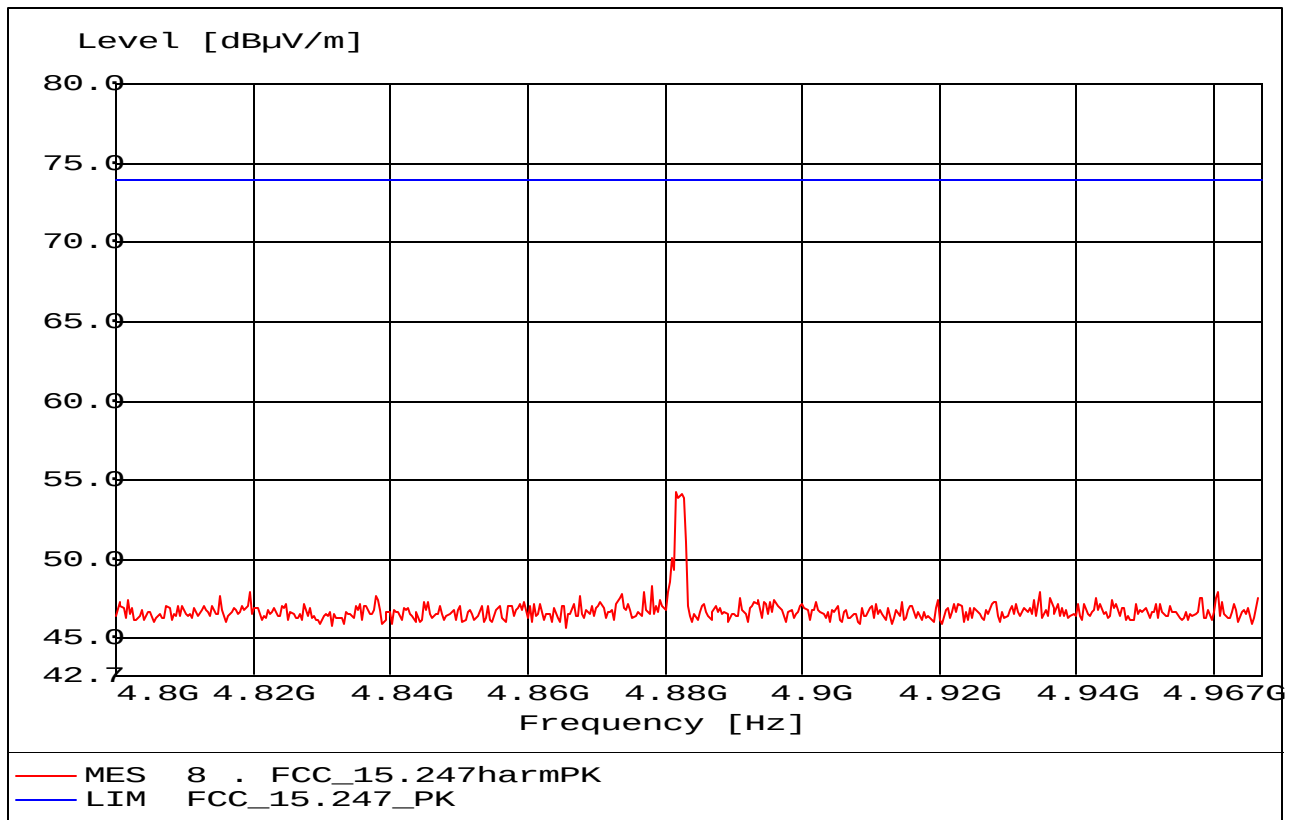
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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, **E<sub>max</sub>:** 54.20dBμV/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

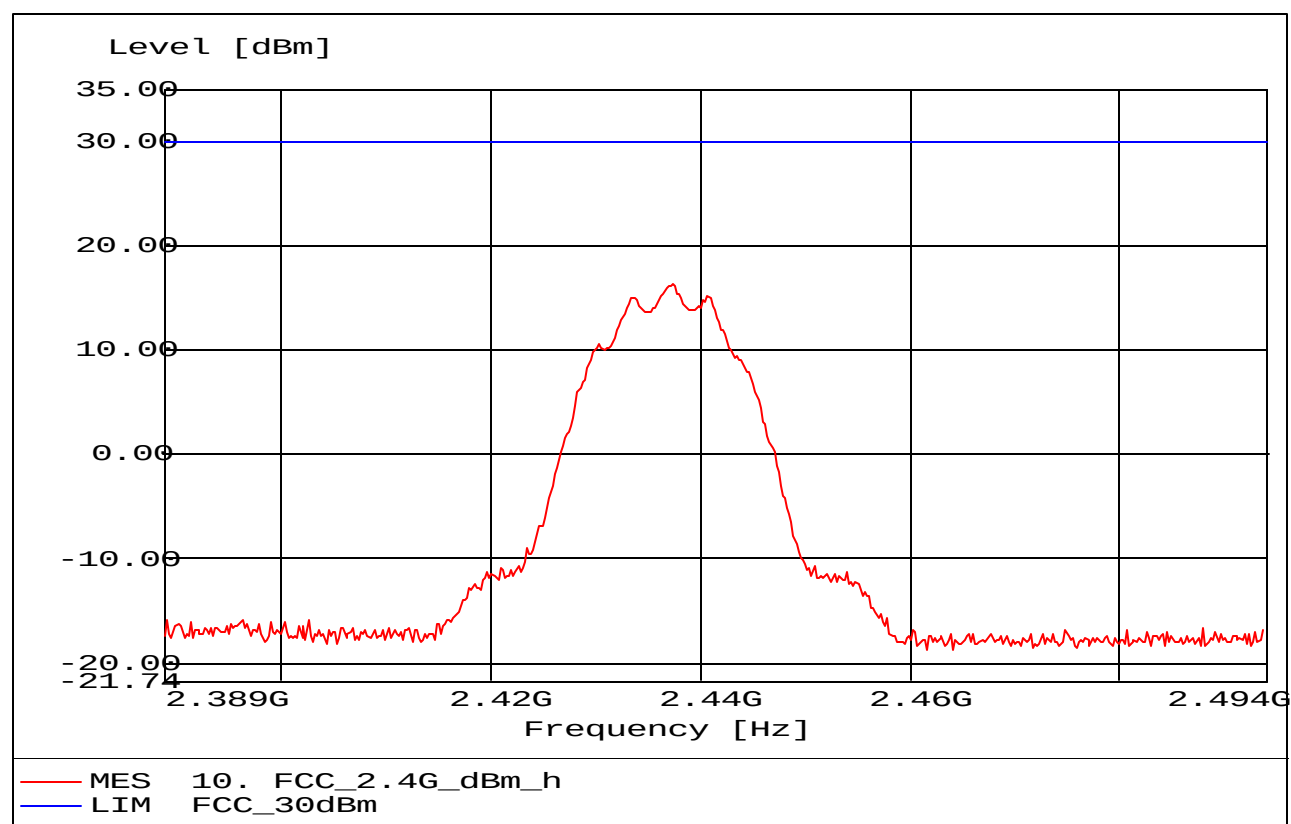
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 2.437GHz, 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

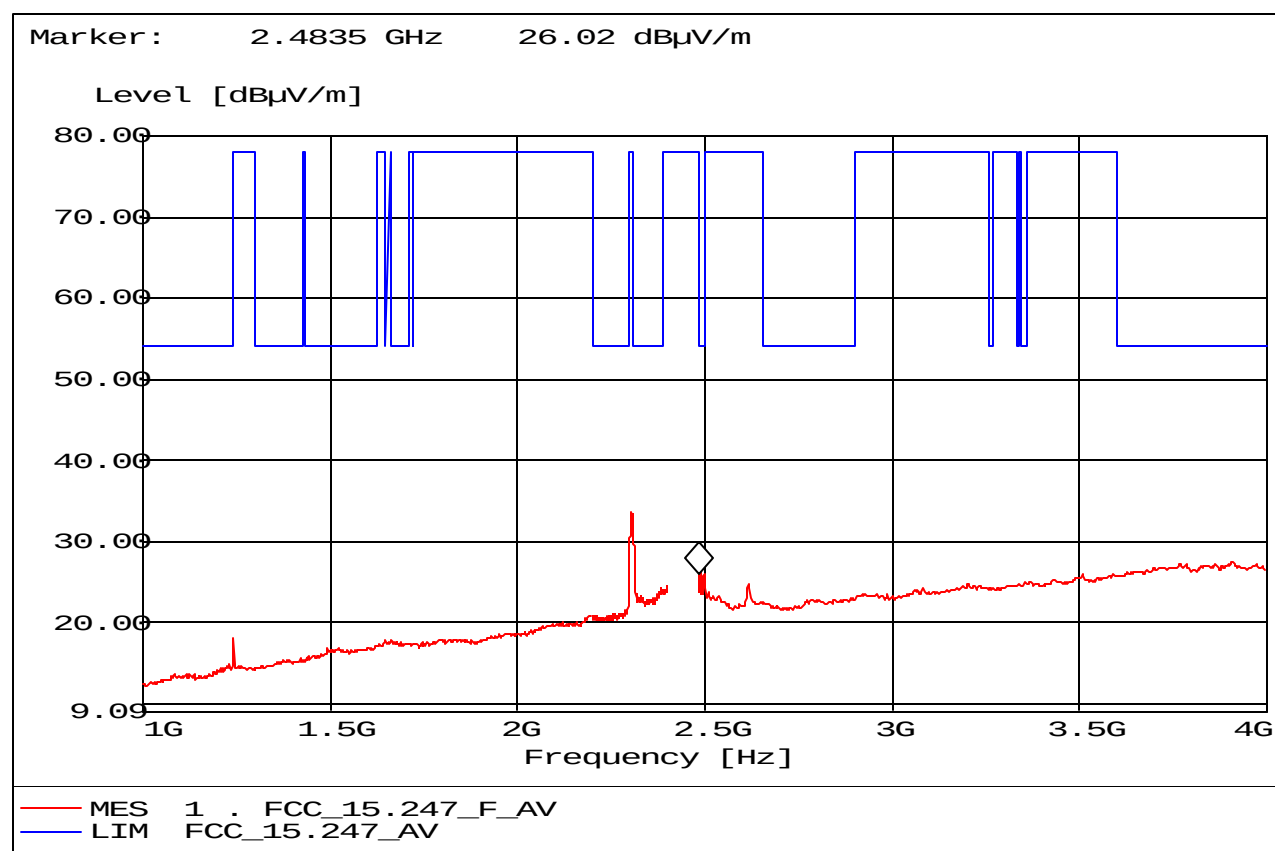
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

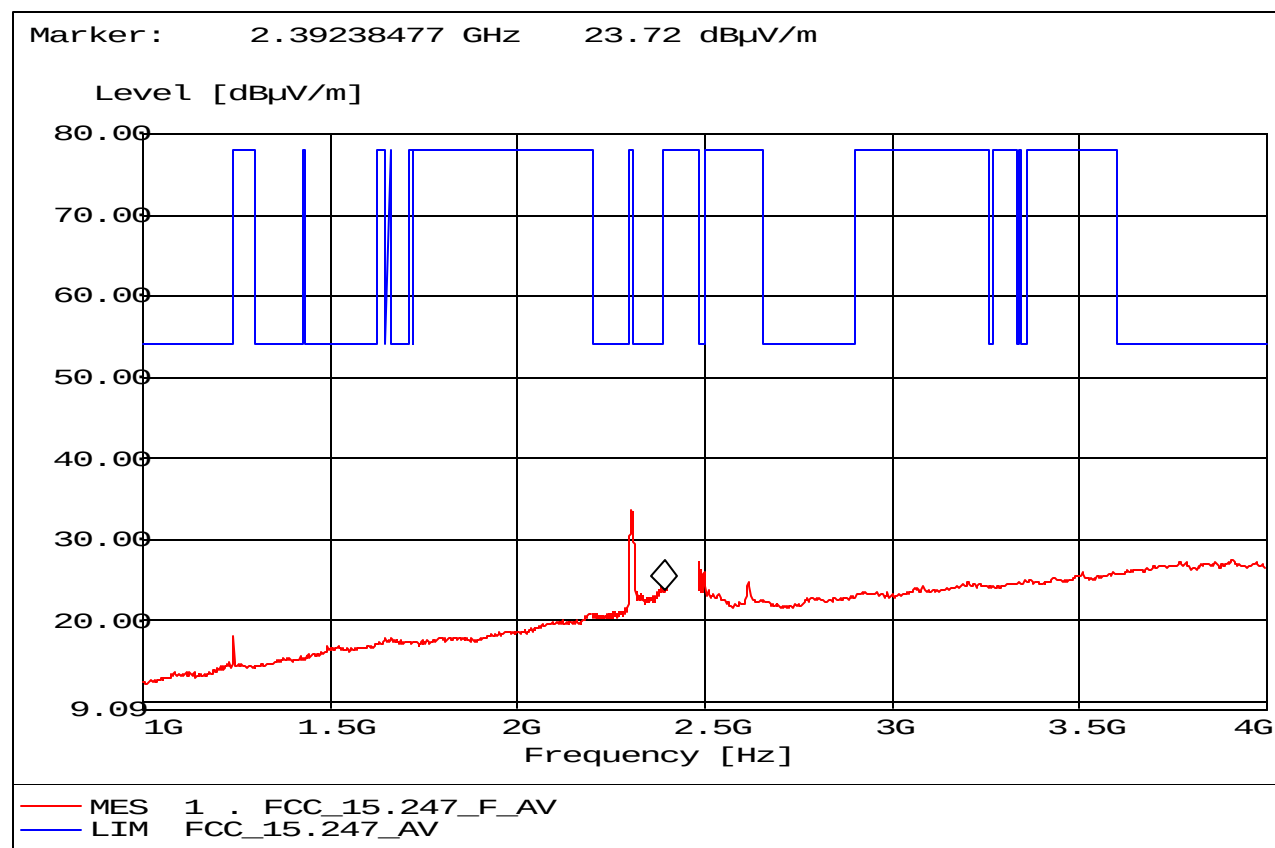
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

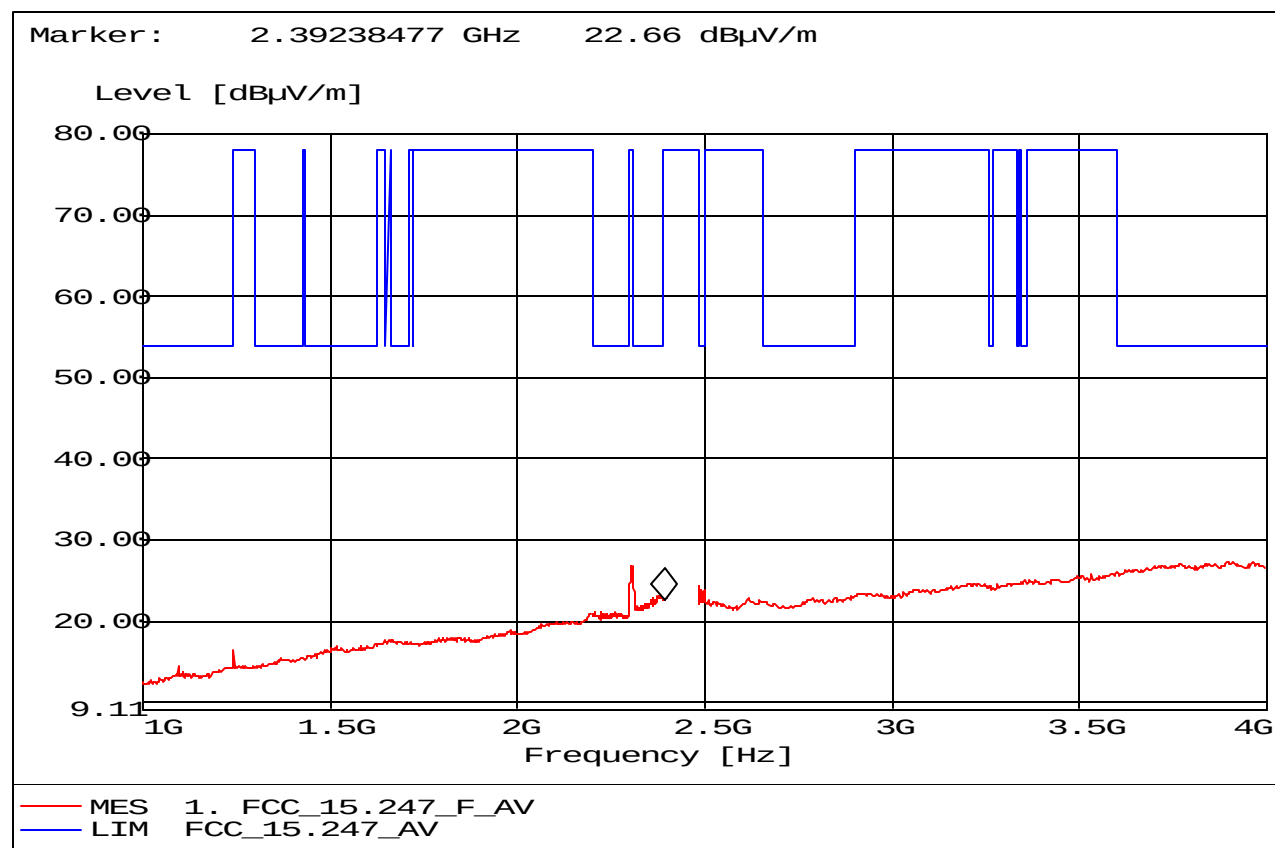
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

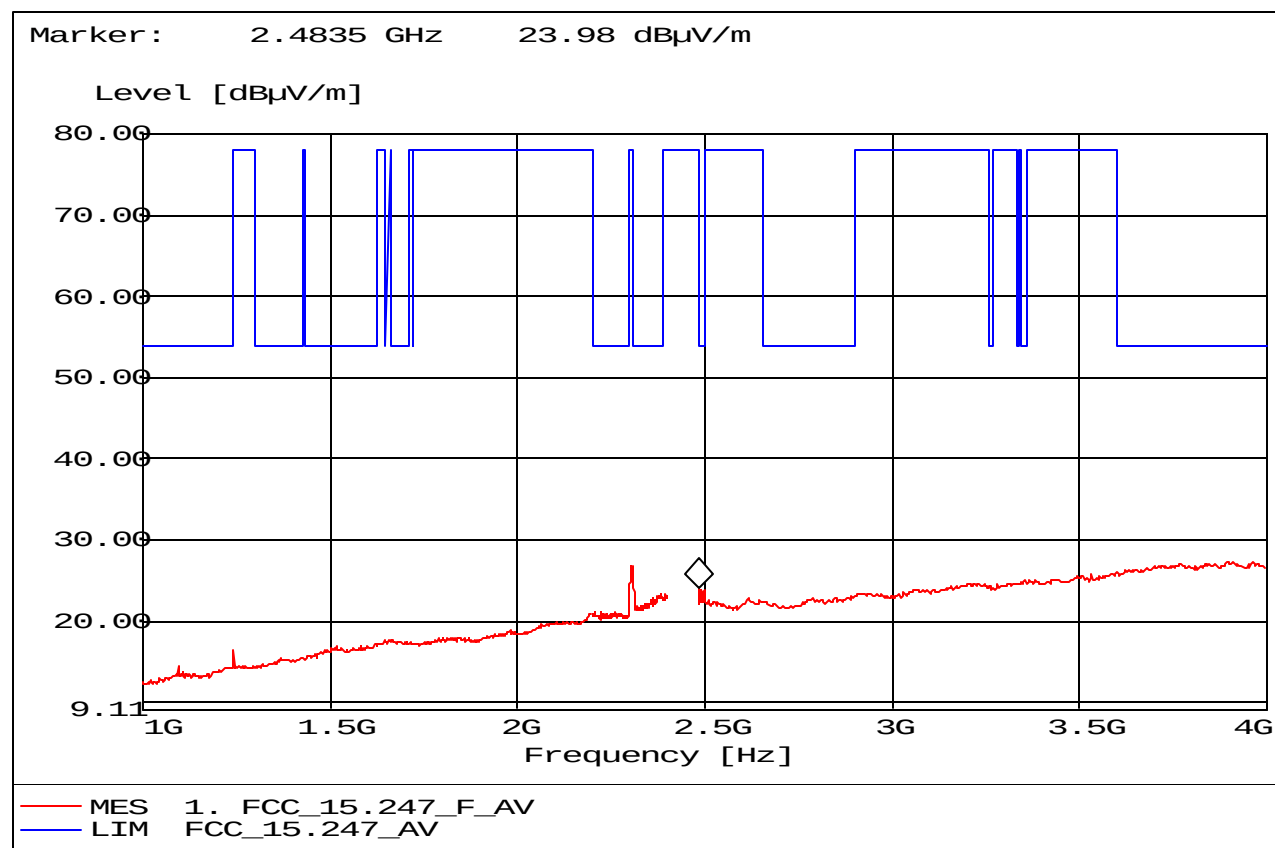
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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.

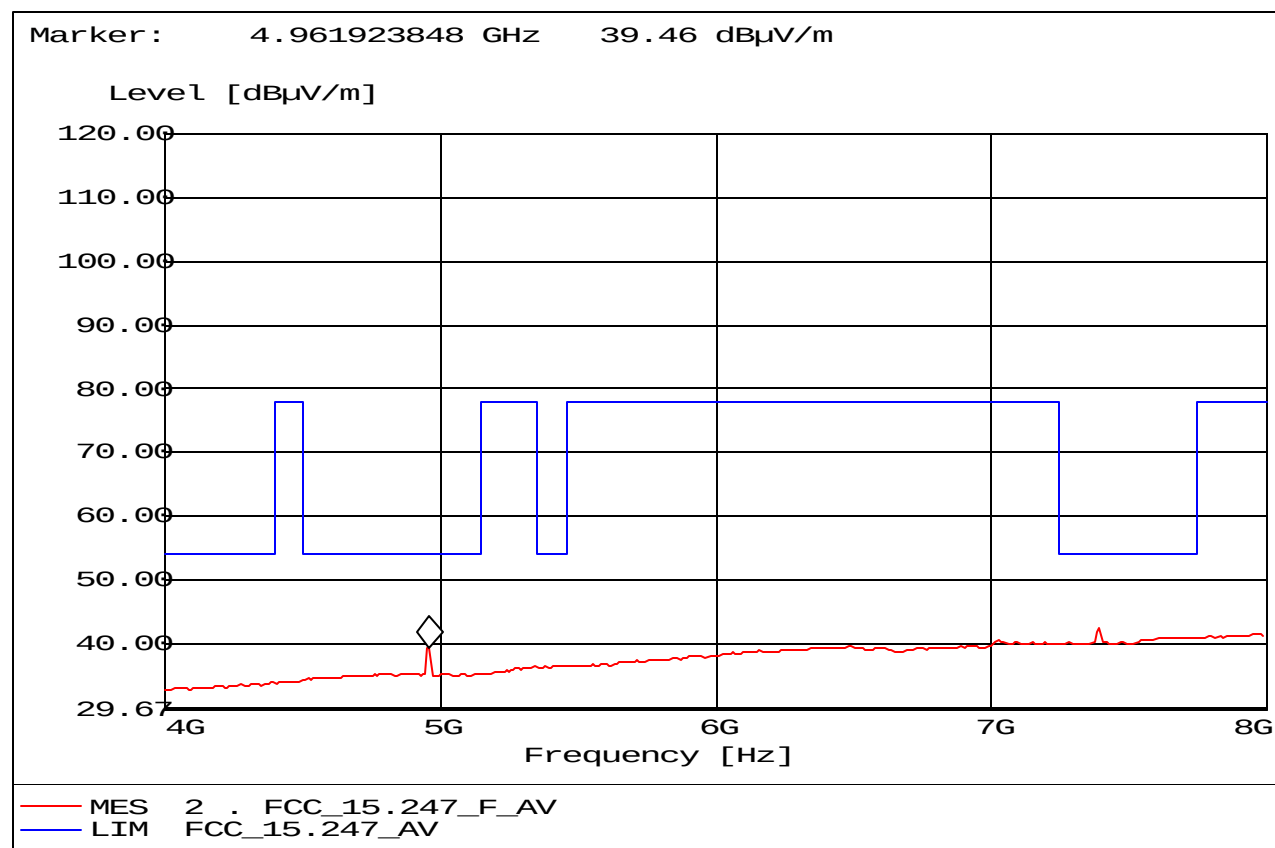
**EUT Setings:** Channel 78 and Channel 11, continuous TX on

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

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

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

**Comment 1:** Dist.: 3m, Amplif., Ant.: HL025 horizontal  
Freq: 7.391GHz, Emax: 42.55dBμV/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

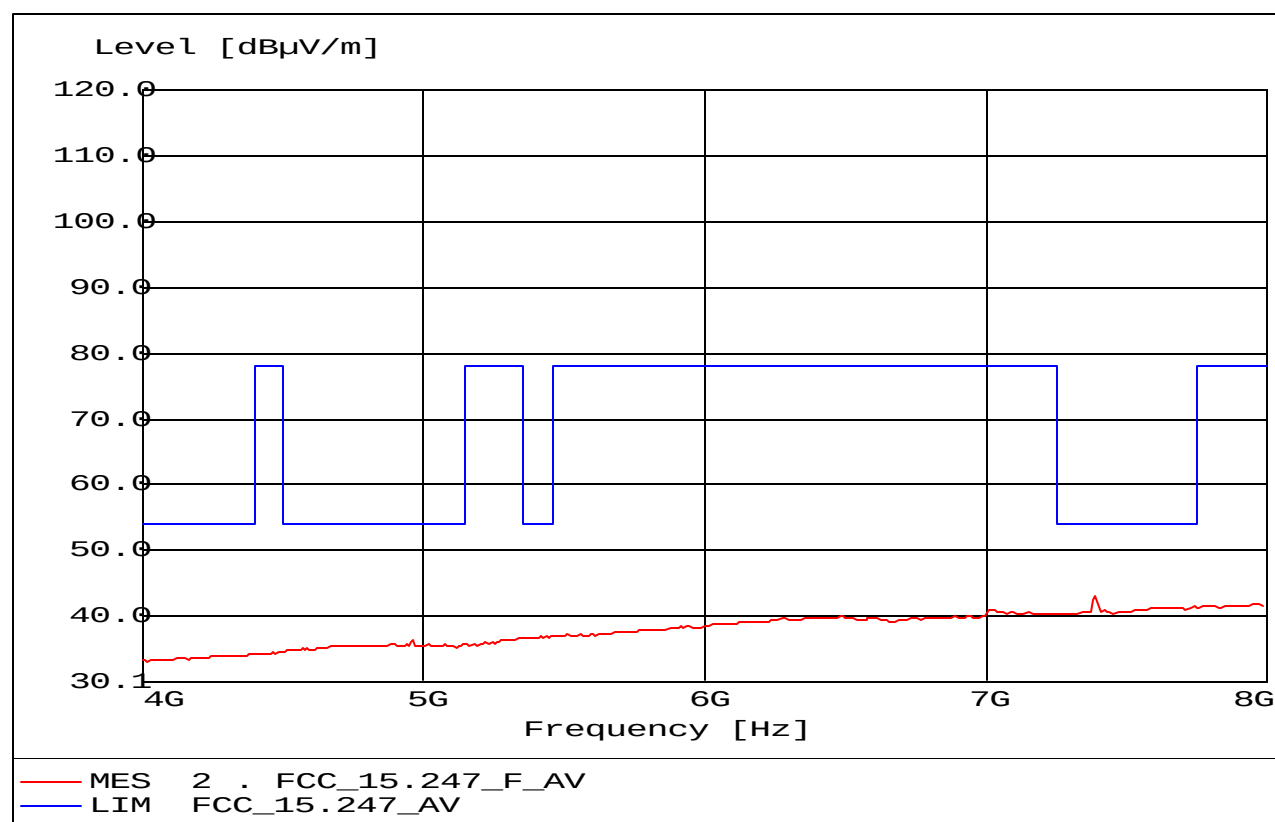
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

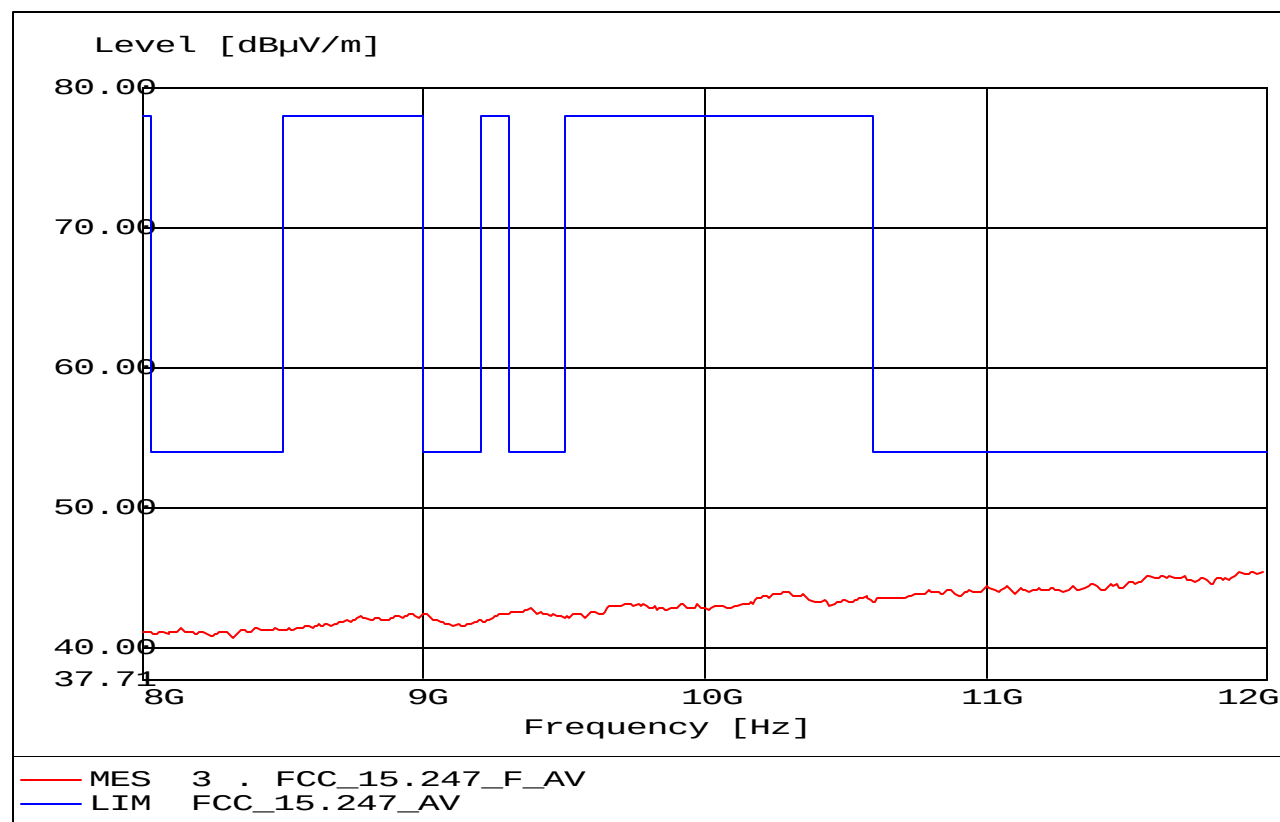
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 11.944GHz, Emax: 45.39dB $\mu$ 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

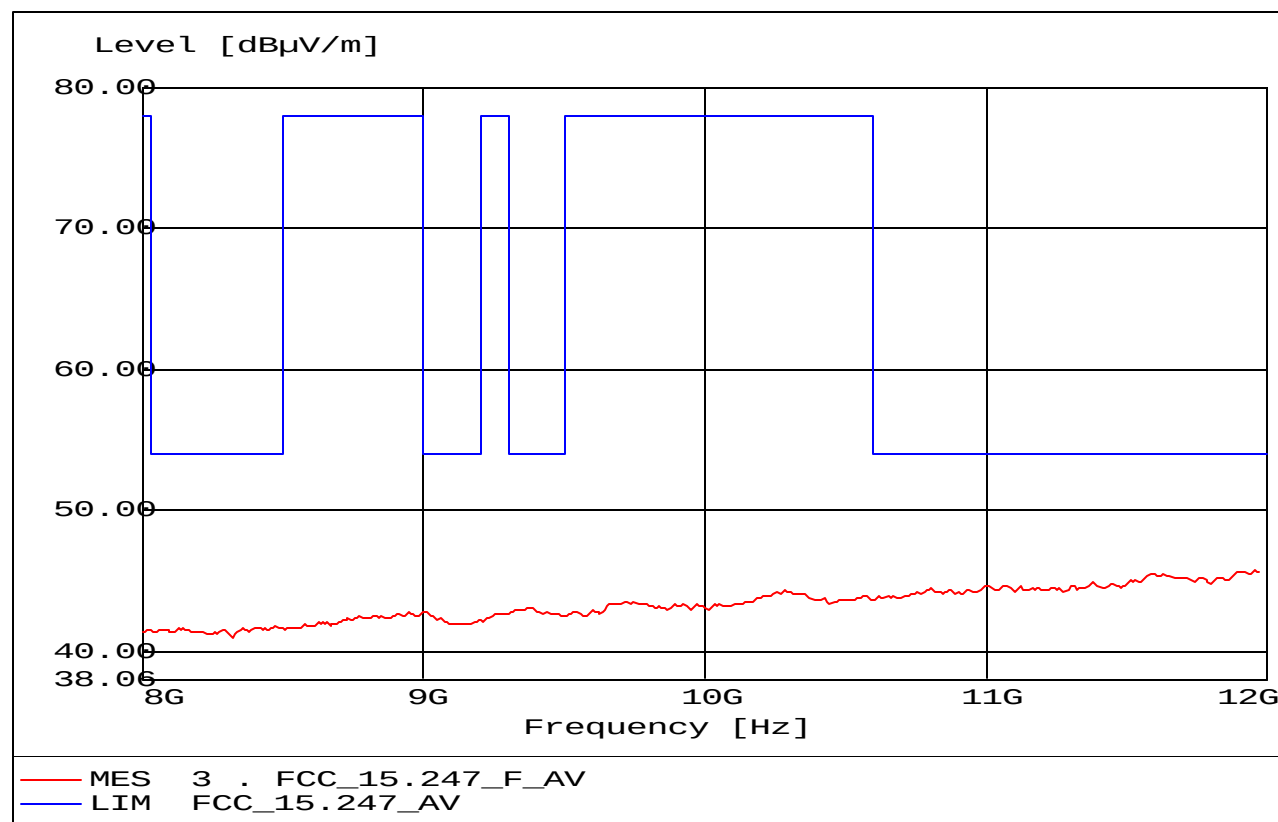
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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, **E<sub>max</sub>:** 45.75dB $\mu$ 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

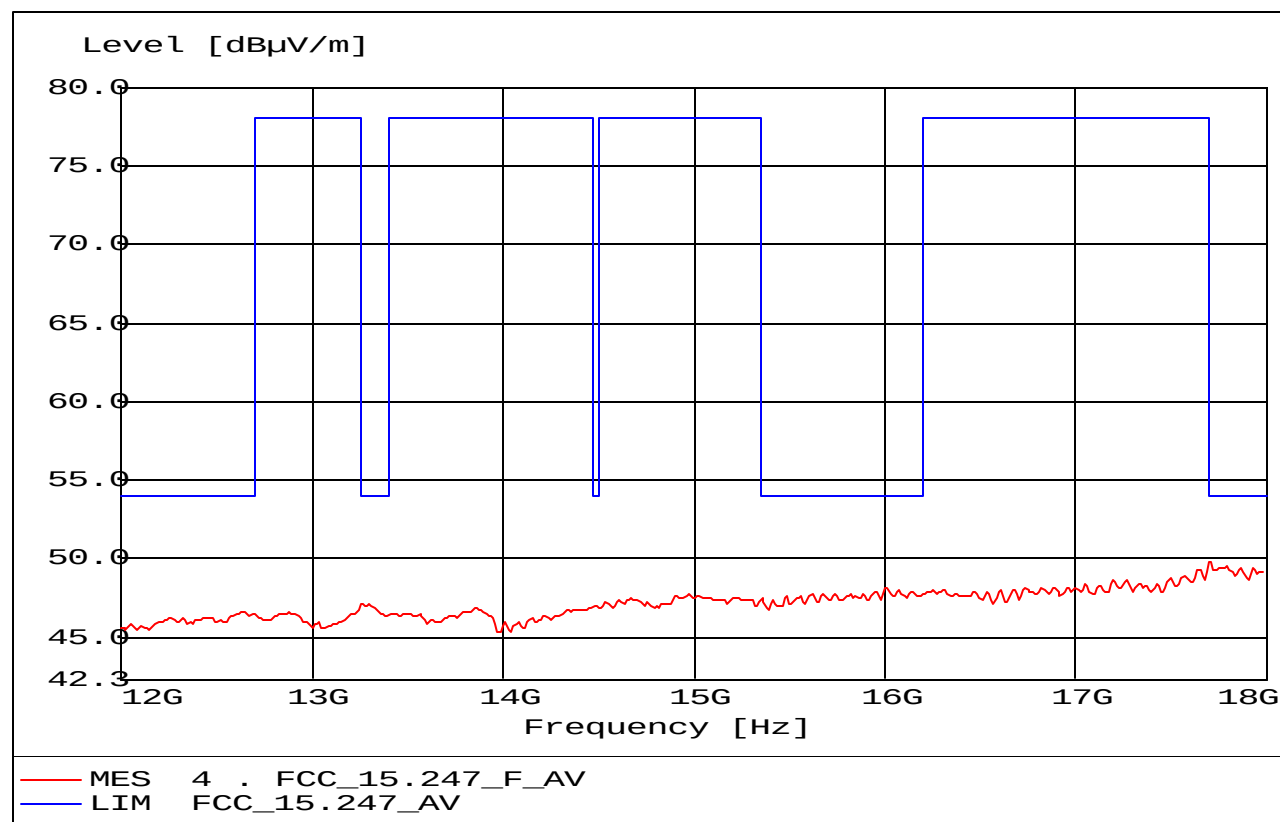
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 17.711GHz, Emax: 49.80dB $\mu$ 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

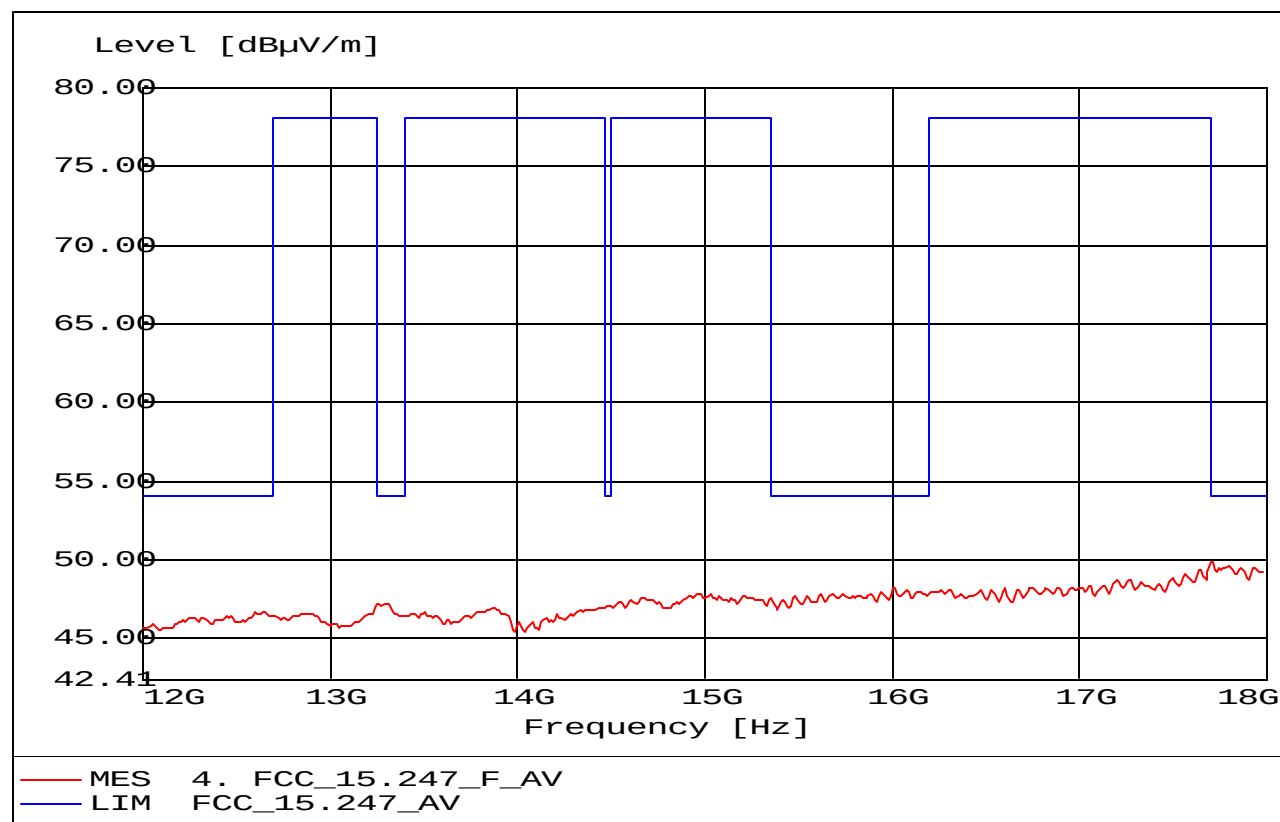
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 17.711GHz, **E<sub>max</sub>:** 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

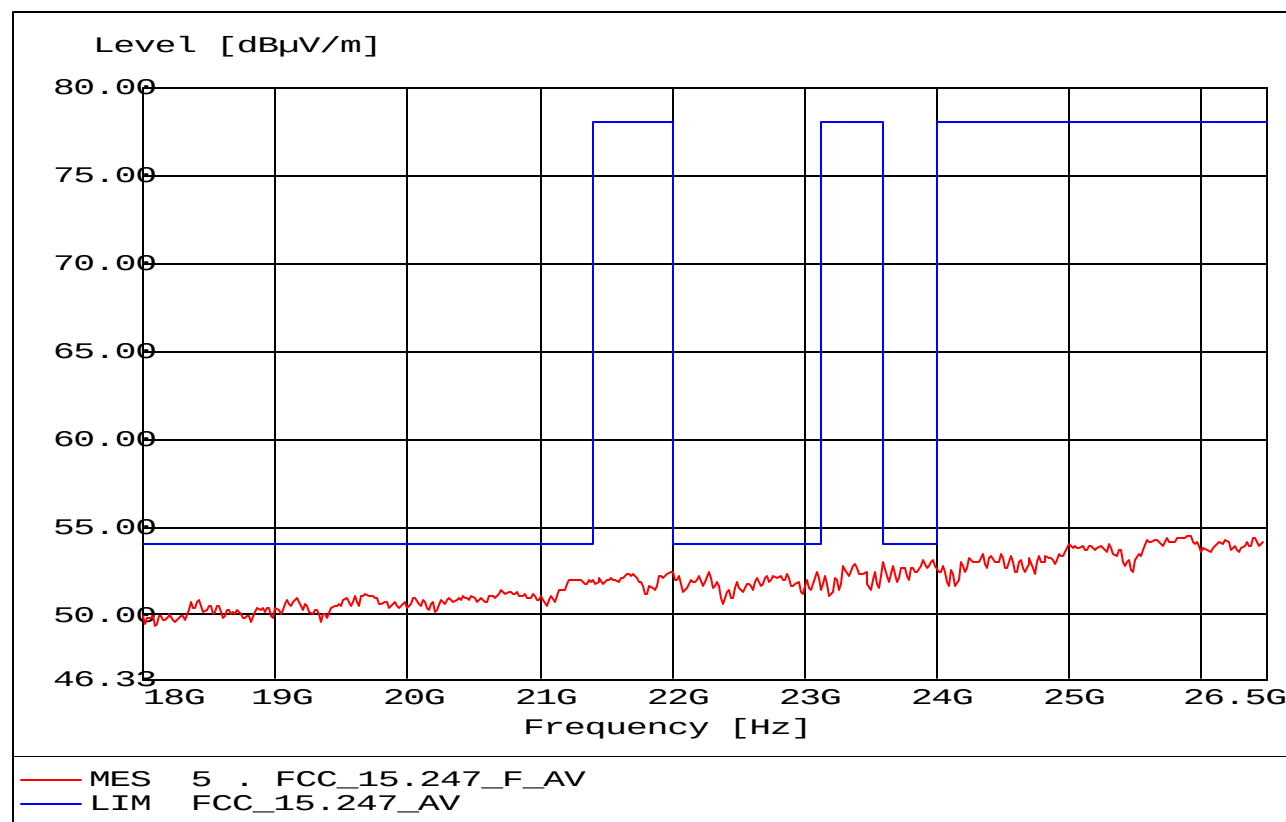
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

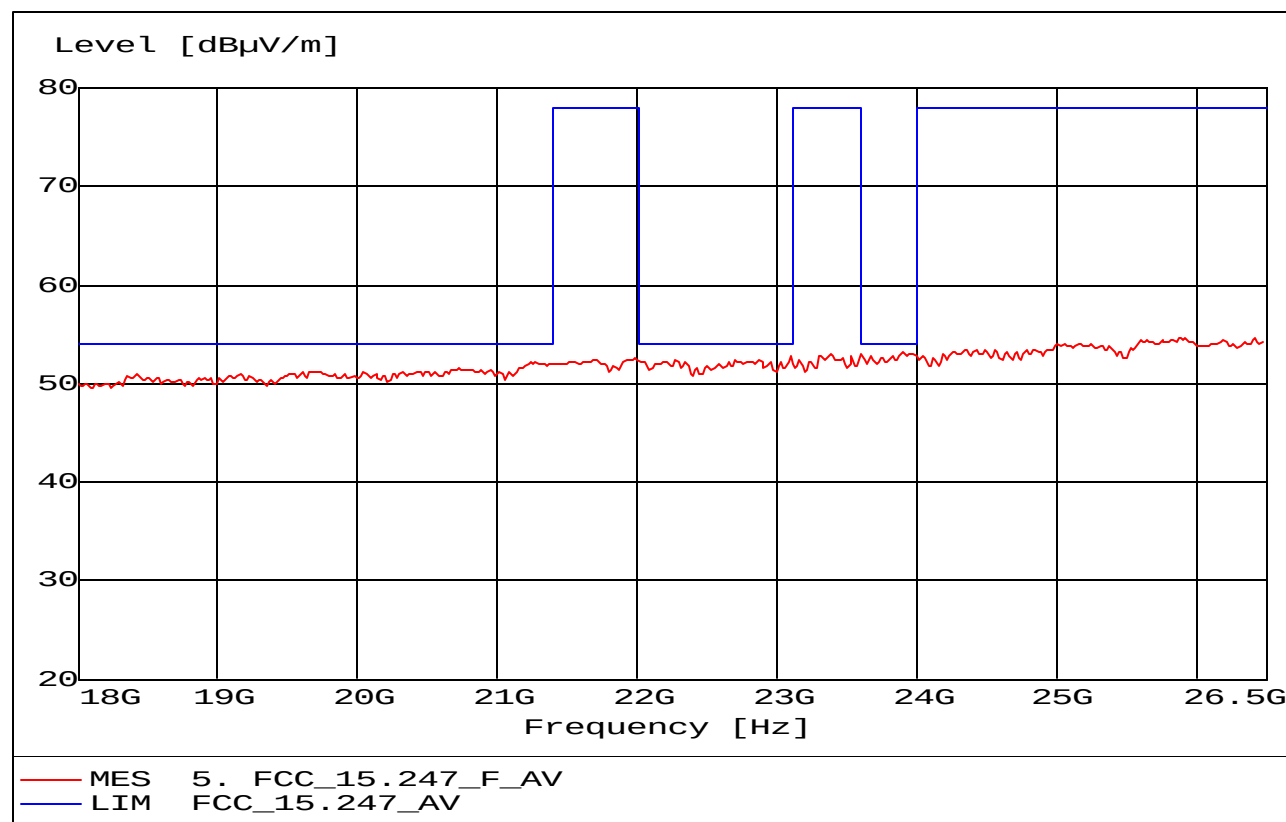
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

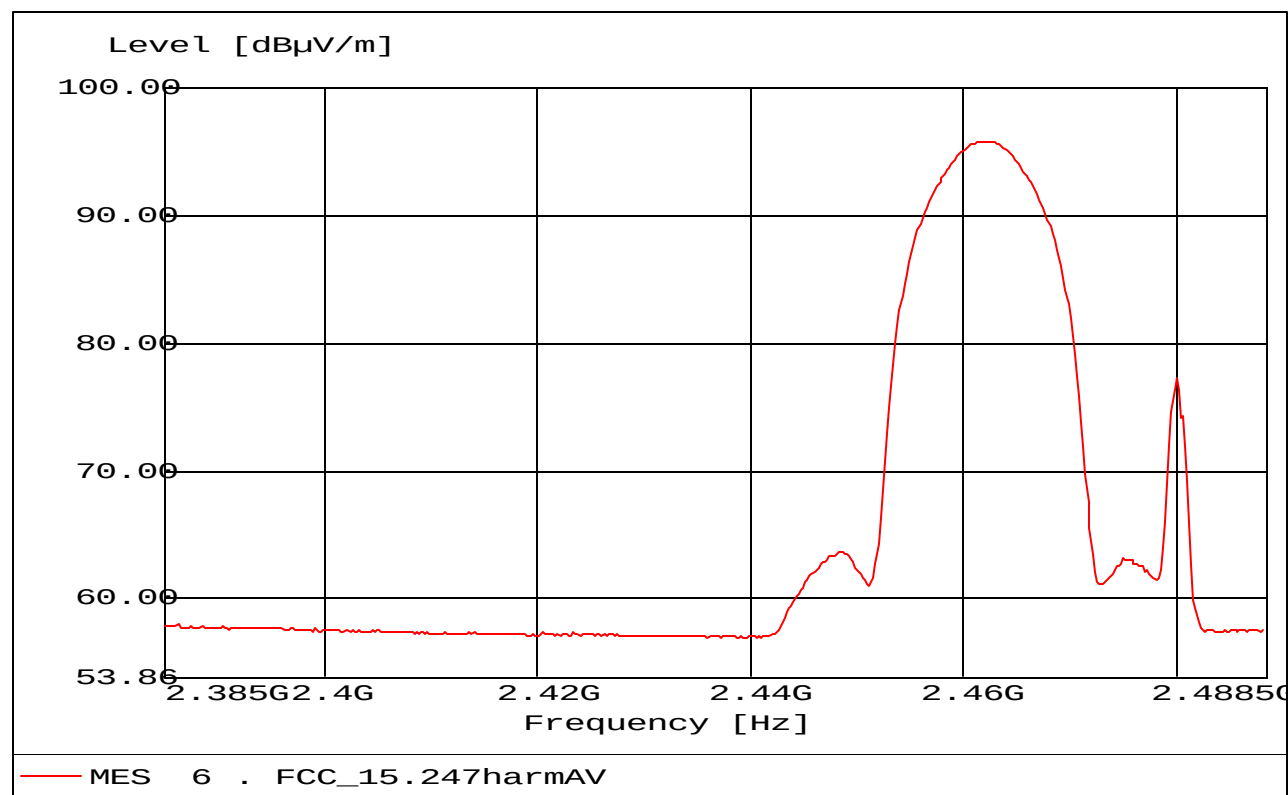
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

Freq: 2.462GHz, Emax: 95.80dB $\mu\text{V}/\text{m}$ , 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.

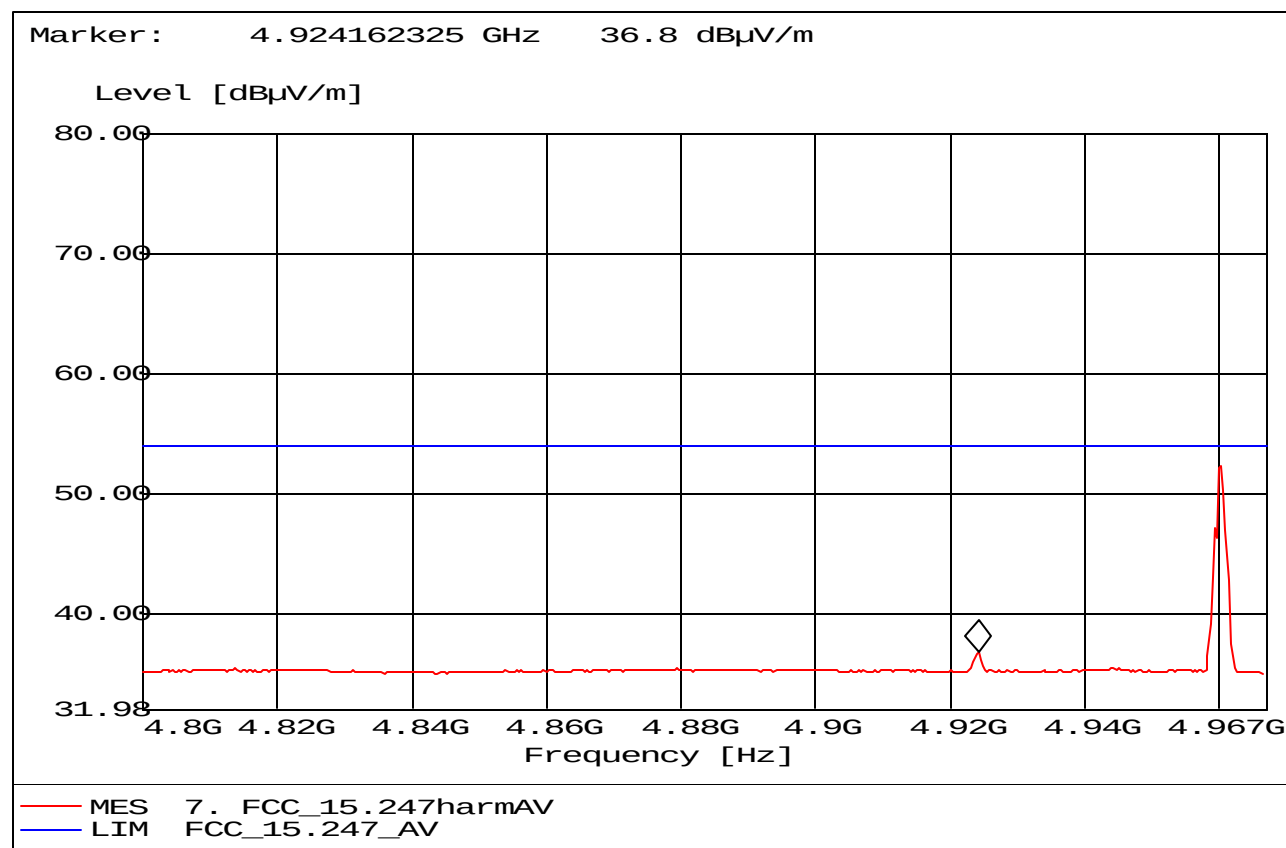
**EUT Settins:** Channel 78 and Channel 11, continuous TX on

**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

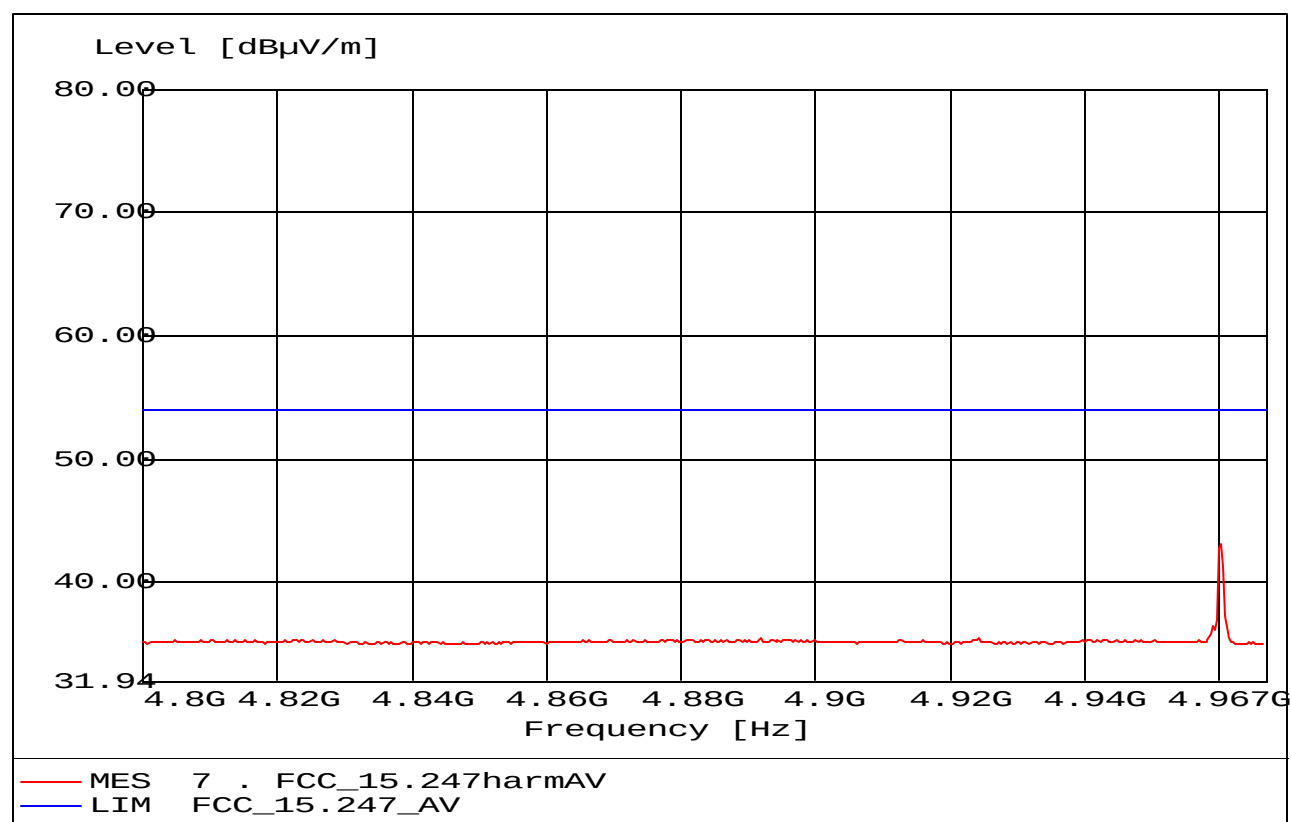
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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.

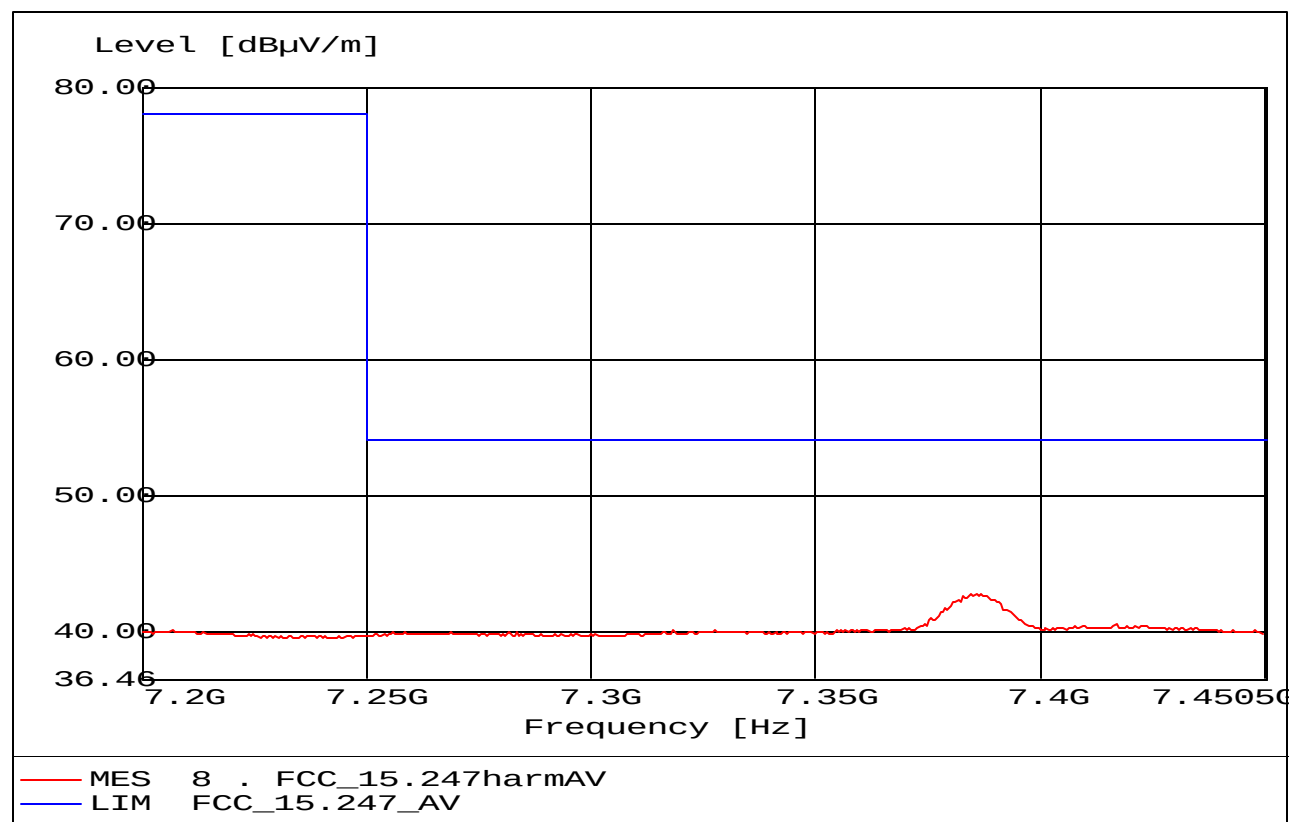
**EUT Settings:** Channel 78 and Channel 11, continuous TX on

**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: 7.387GHz, Emax: 42.76dB $\mu$ 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

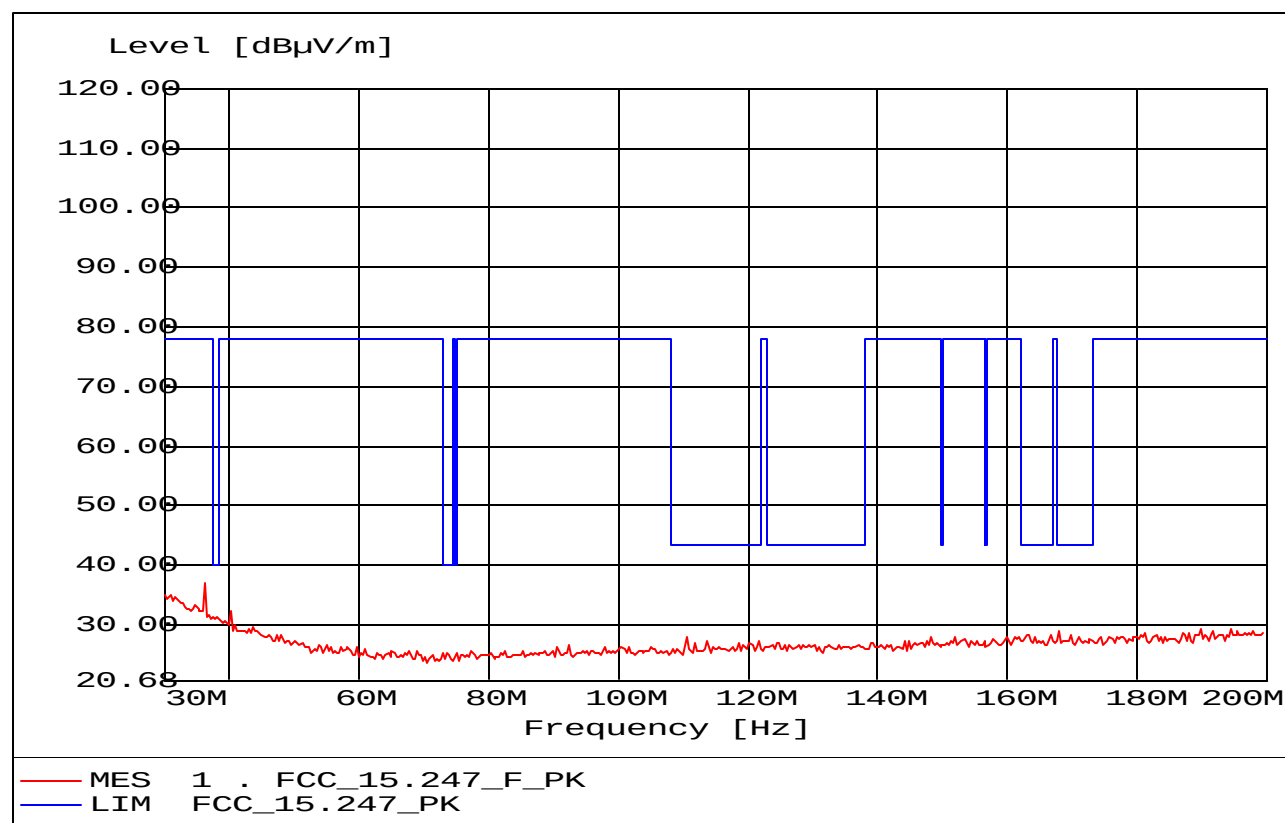
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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 78 and Channel 11, continuous TX on

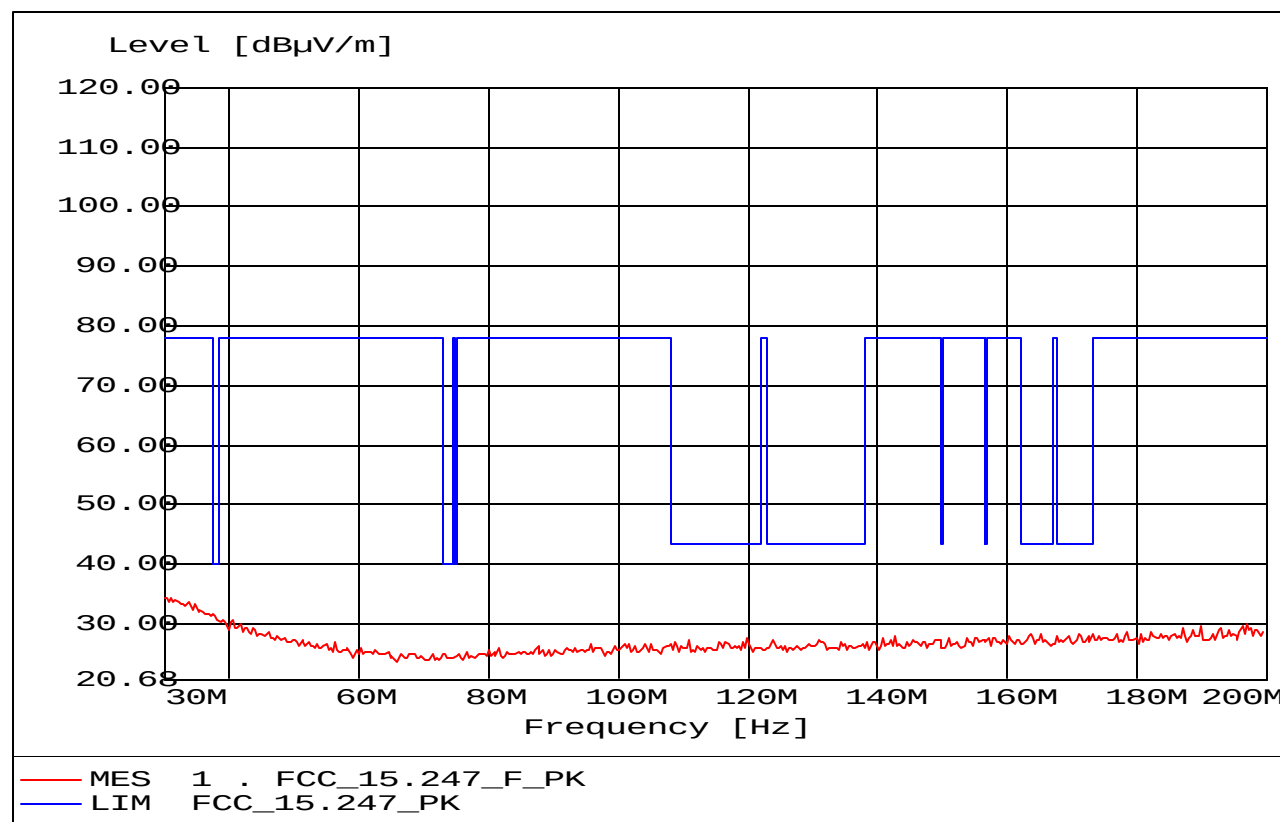
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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 Settings:** Channel 78 and Channel 11, continuous TX on

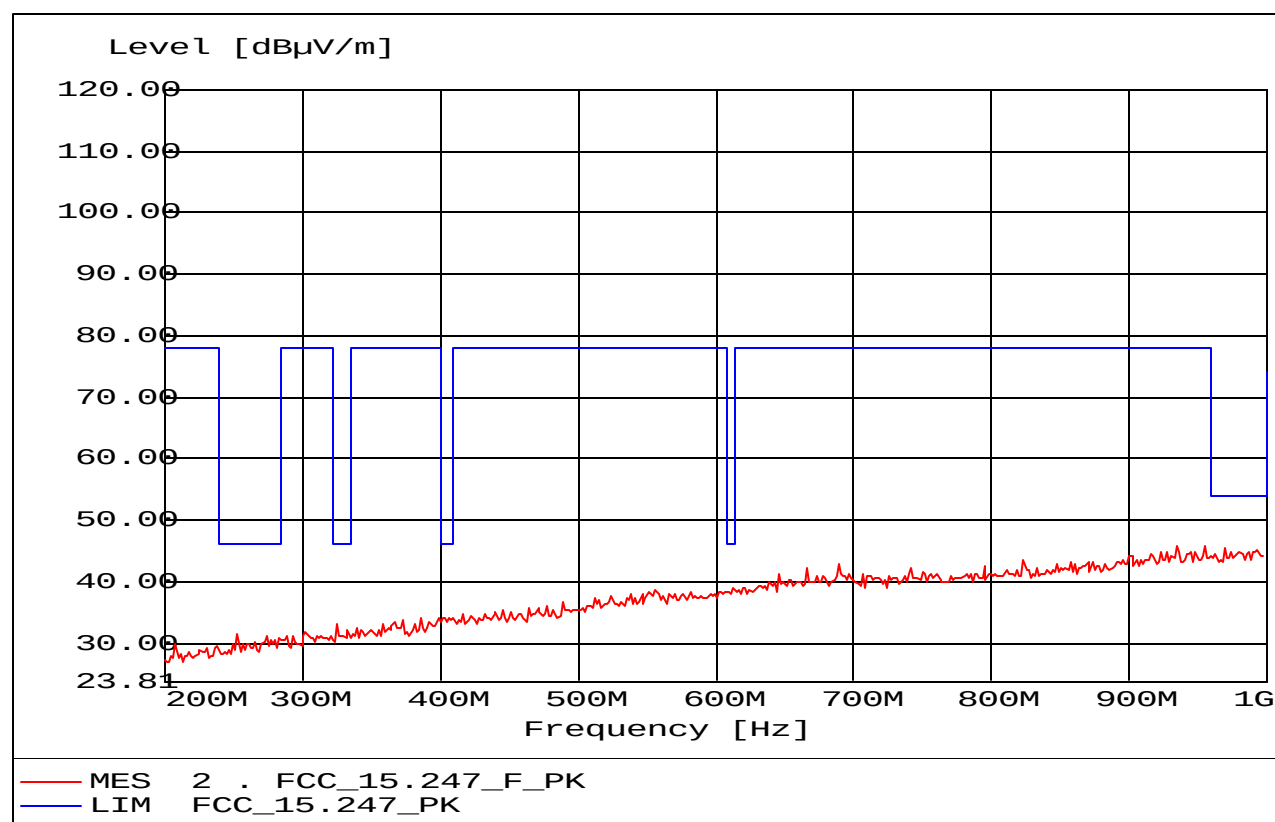
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

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

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

**Freq:** 955.110MHz, **E<sub>max</sub>:** 45.87dB $\mu$ 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 78 and Channel 11, continuous TX on

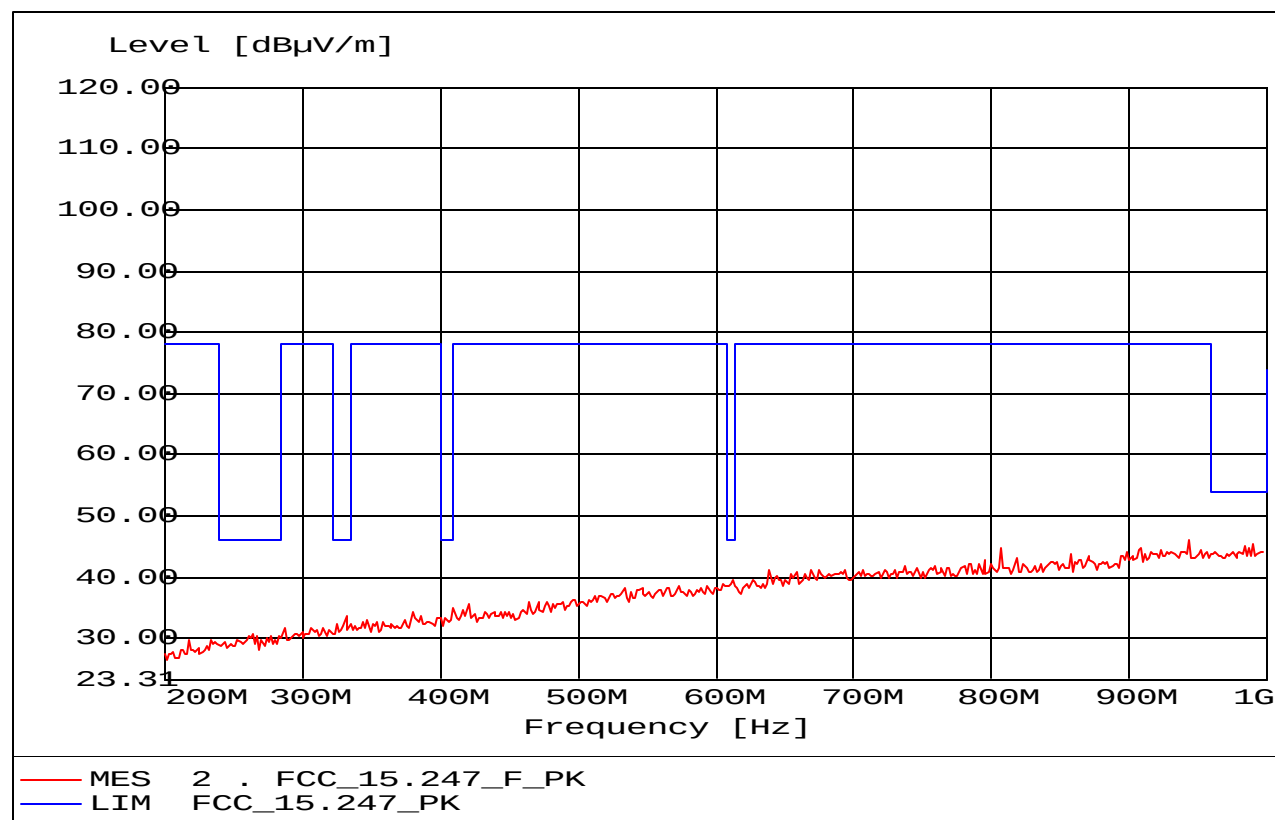
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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

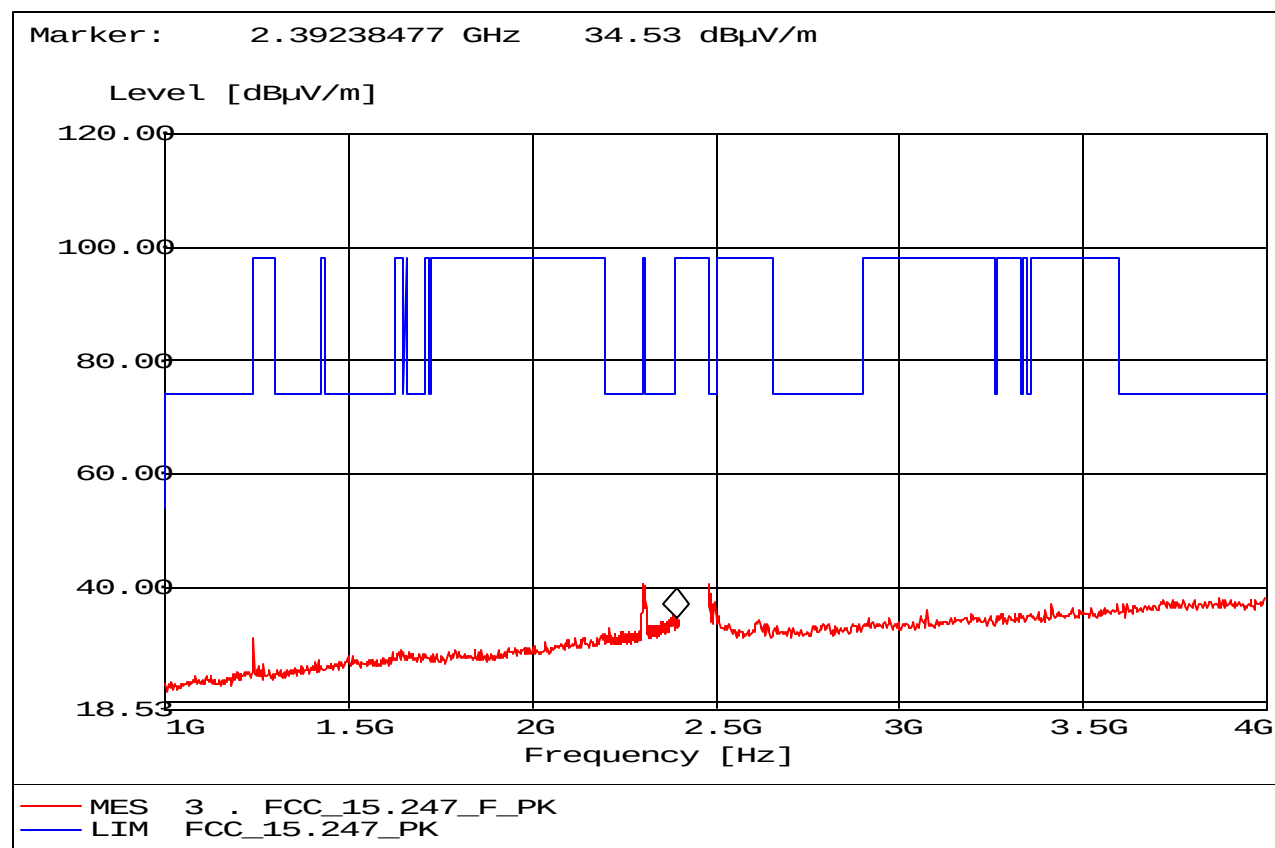
**Operating Condition:** t nom=22°C Internal battery

**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

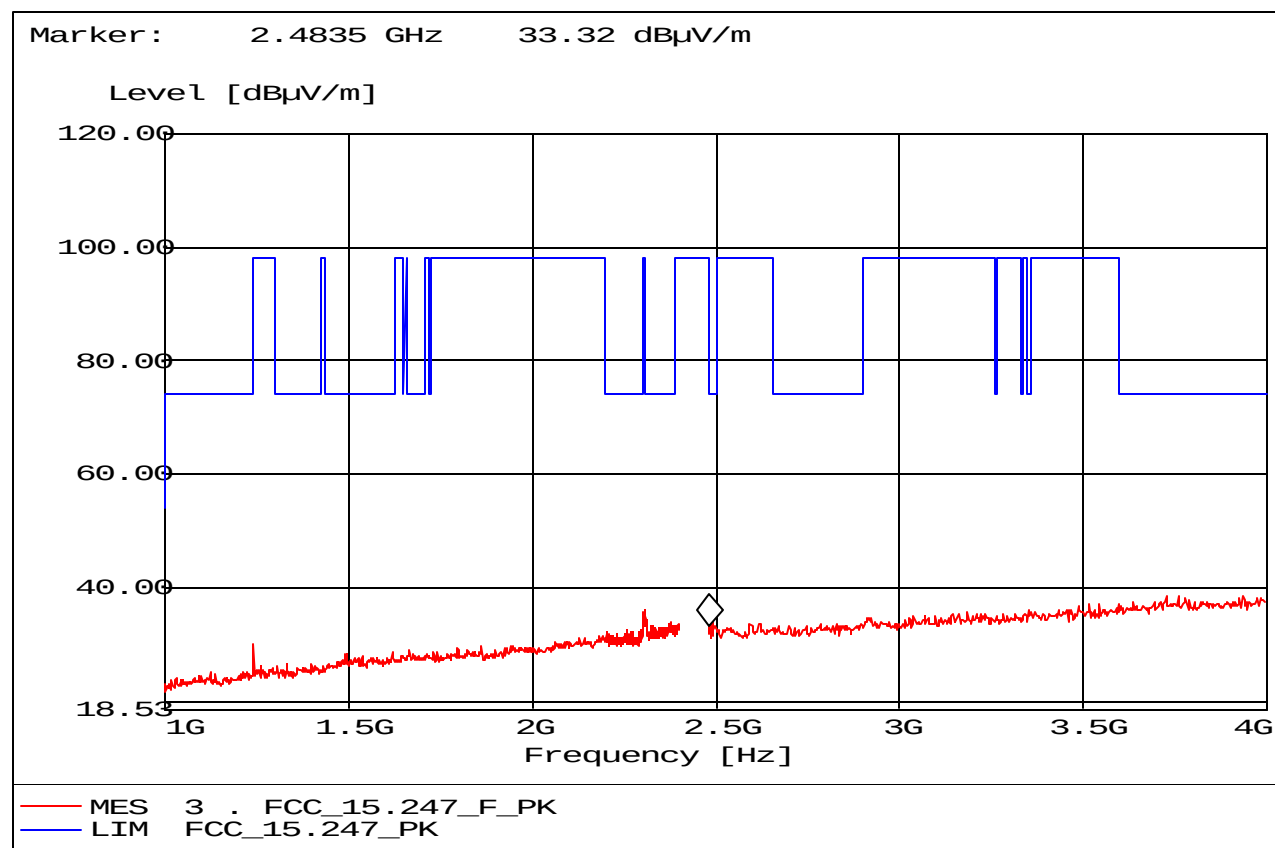
**Operating Condition:** t nom=22°C Internal battery

**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<sub>max</sub>:** 38.65dBμV/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

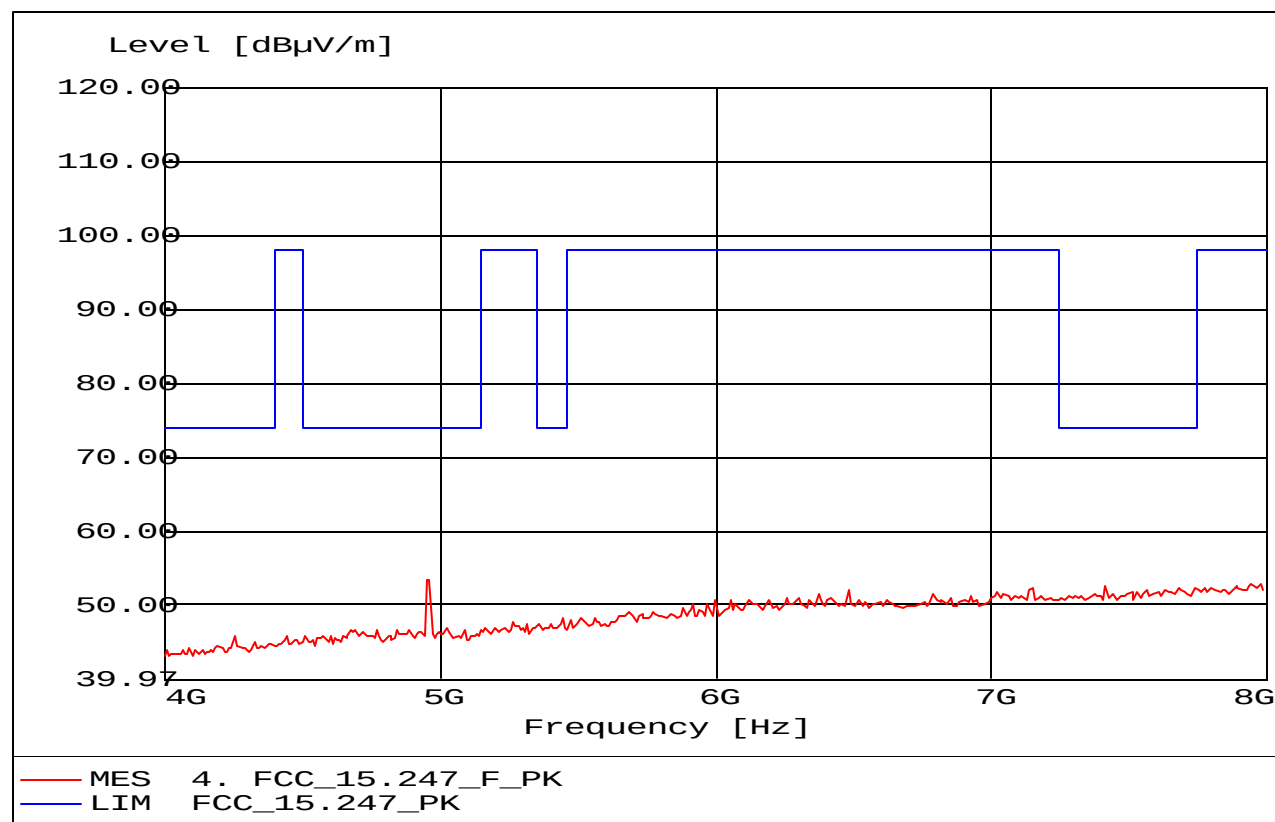
**Operating Condition:** t nom=22°C Internal battery

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

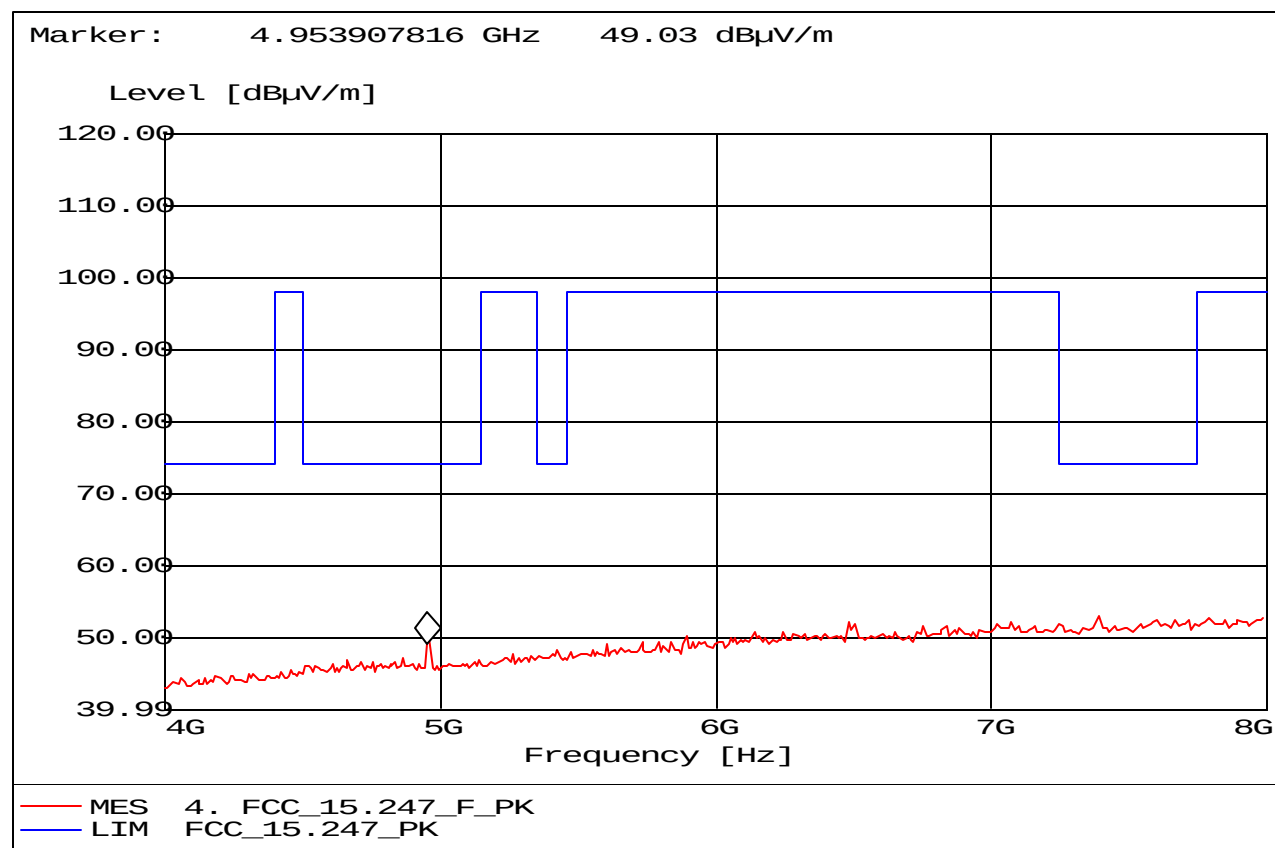
**Operating Condition:** t nom=22°C Internal battery

**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

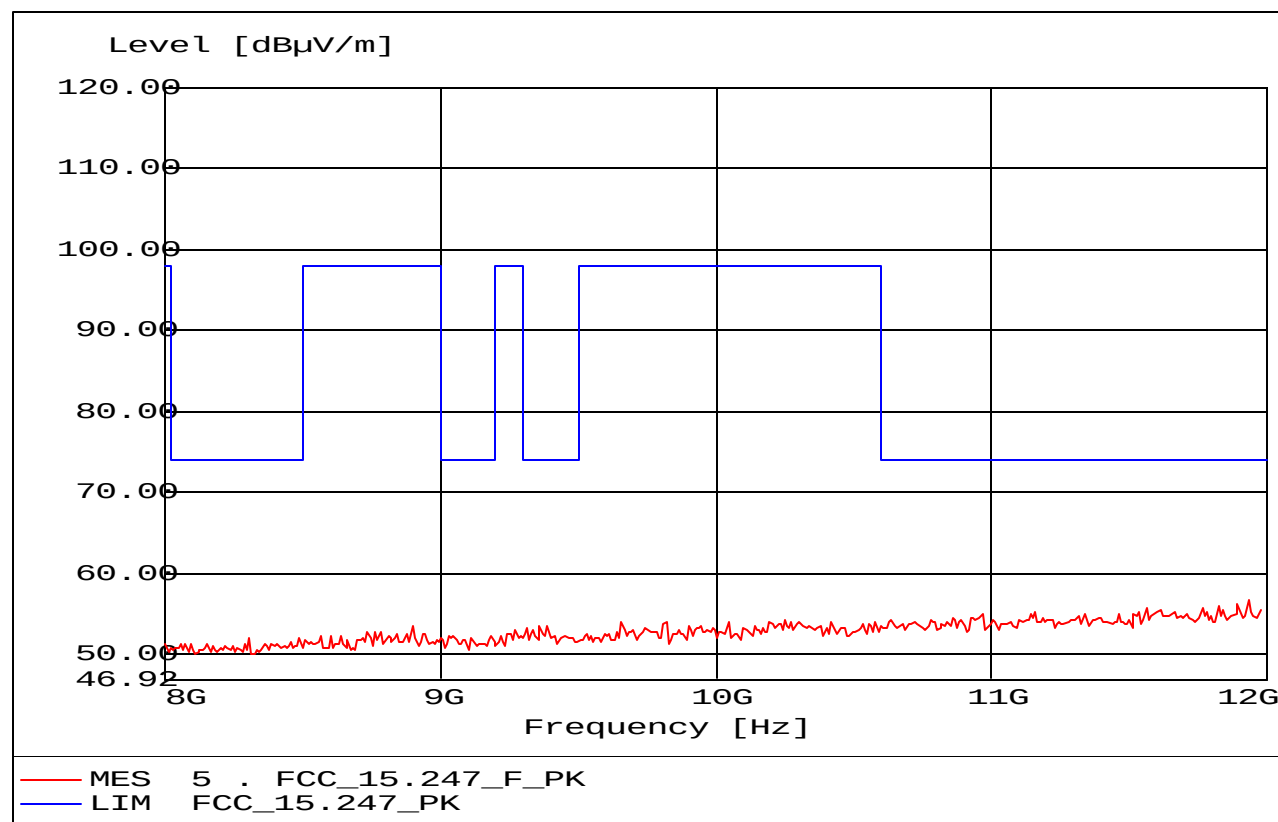
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

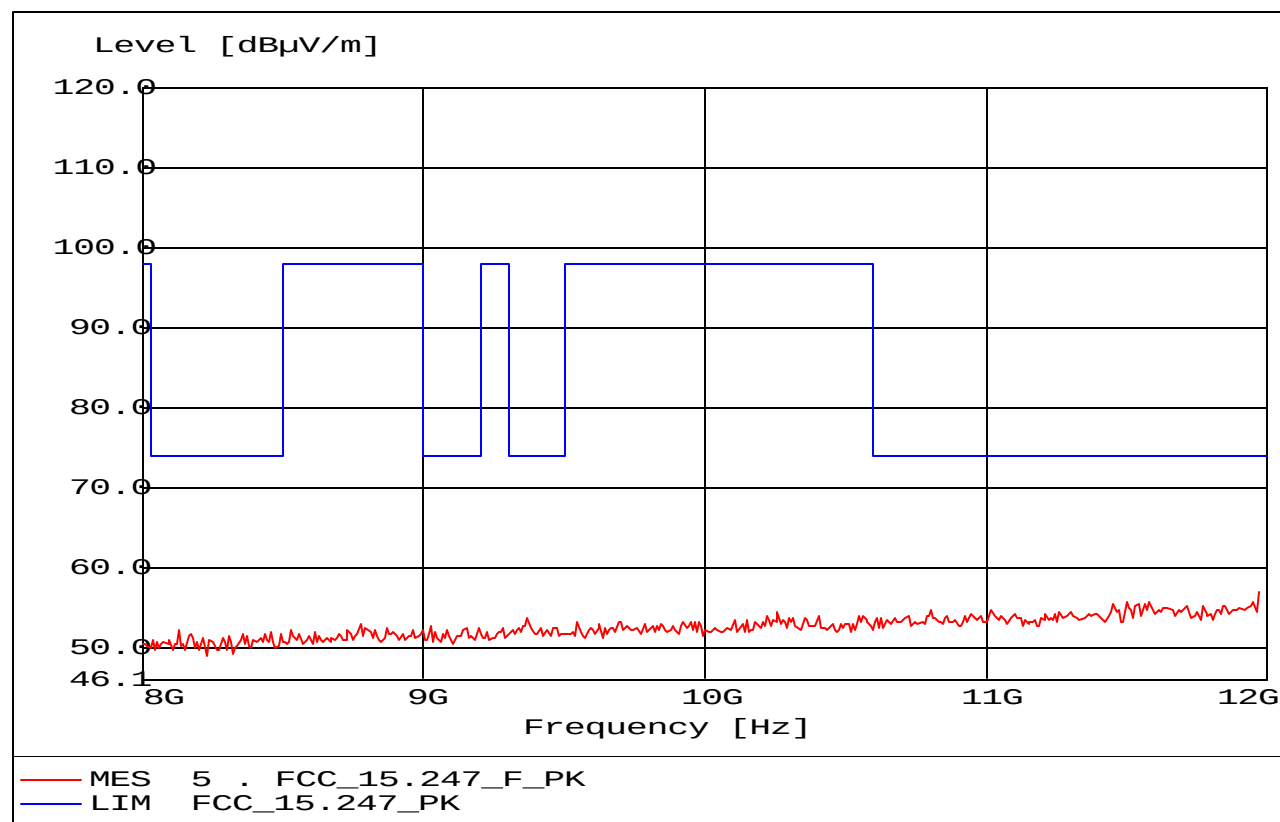
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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<sub>max</sub>:** 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

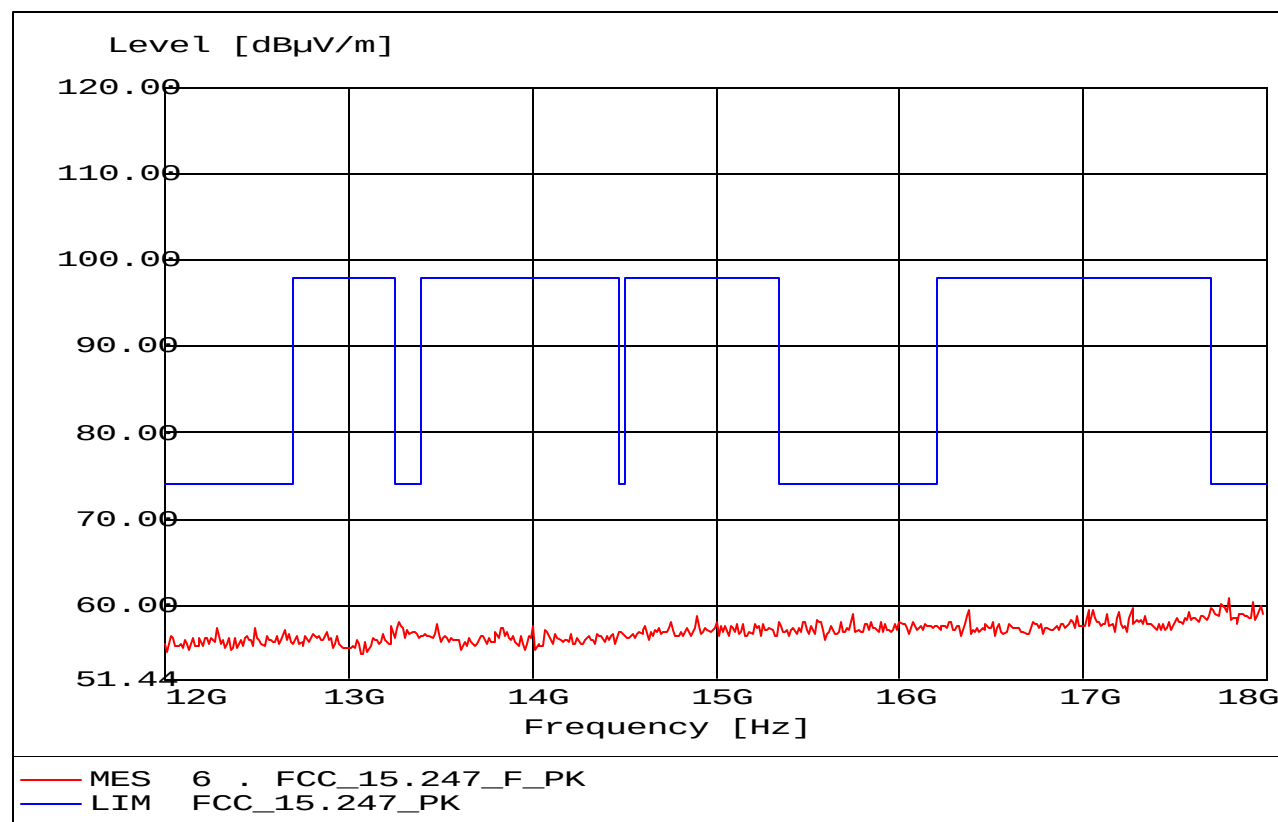
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

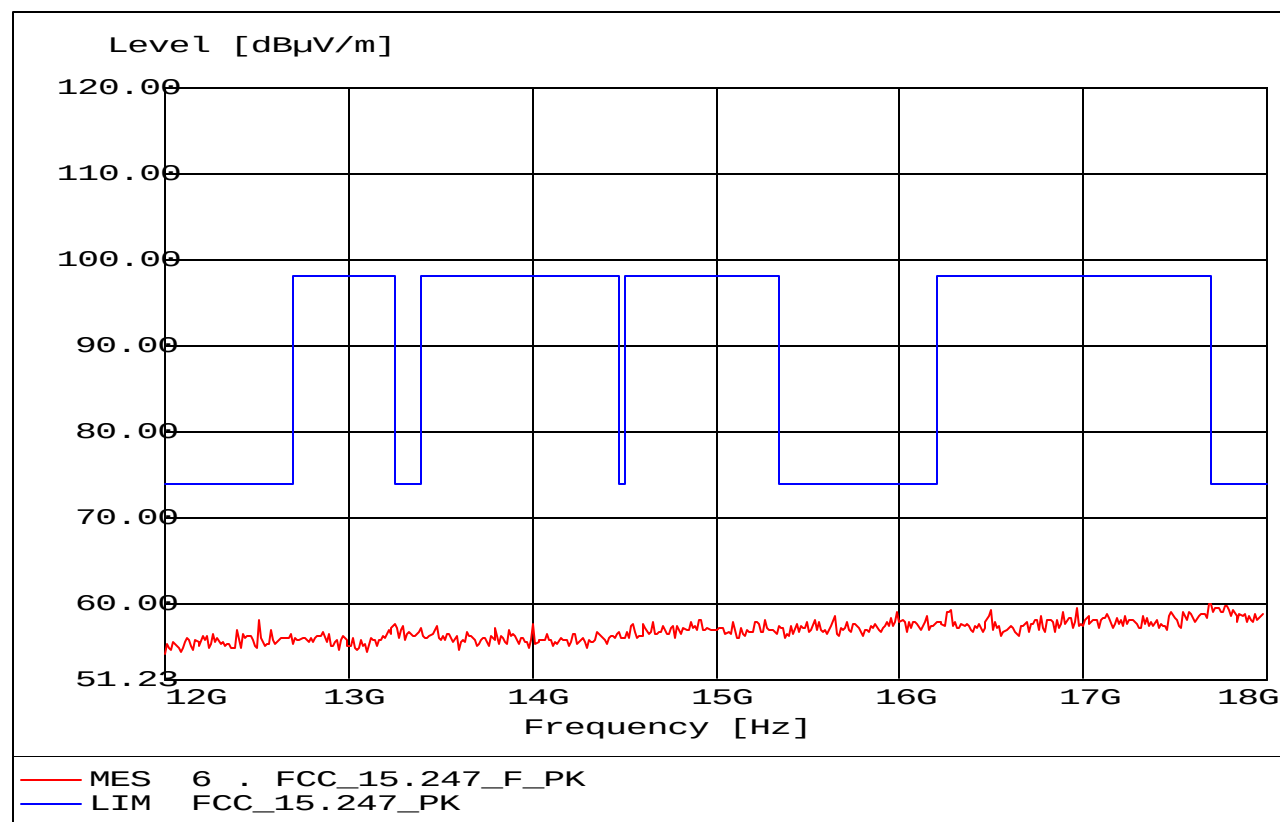
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

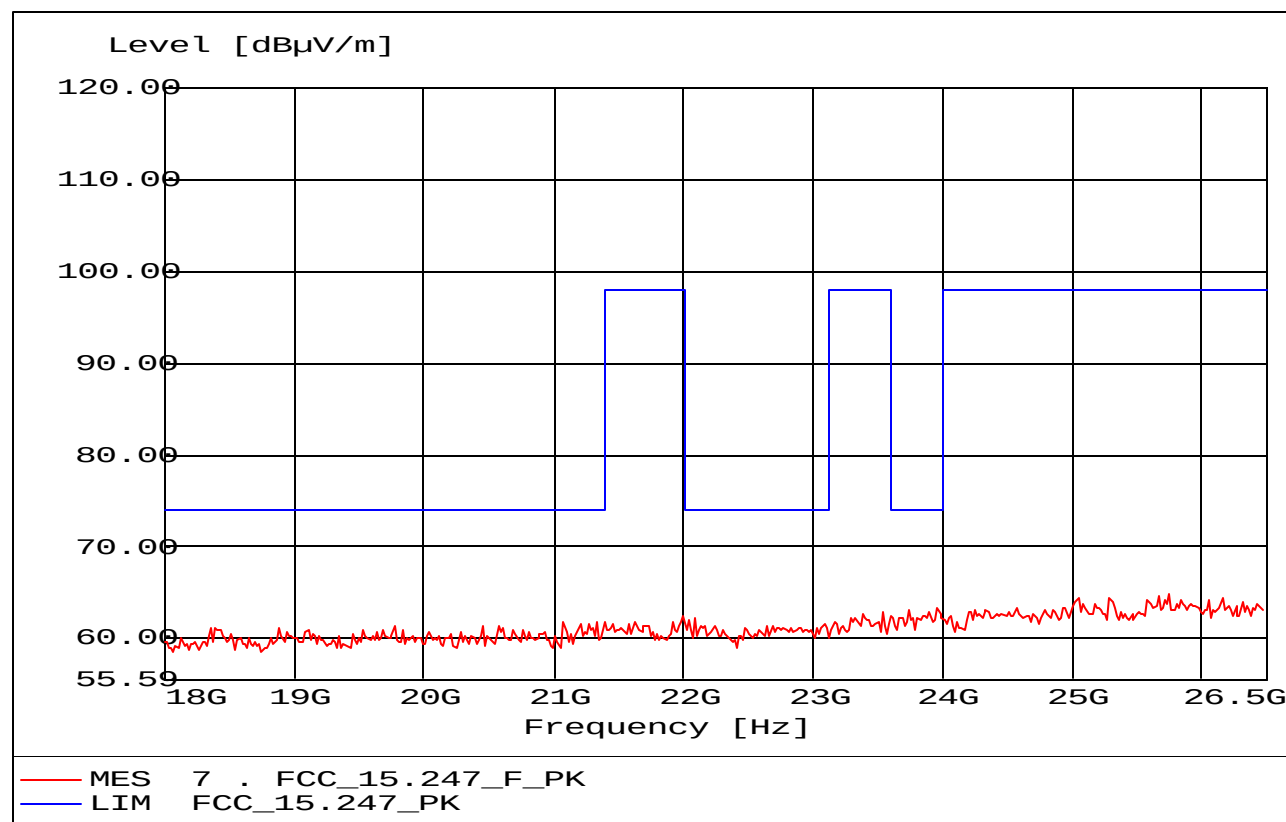
**Operating Condition:** t nom=22°C Internal battery

**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

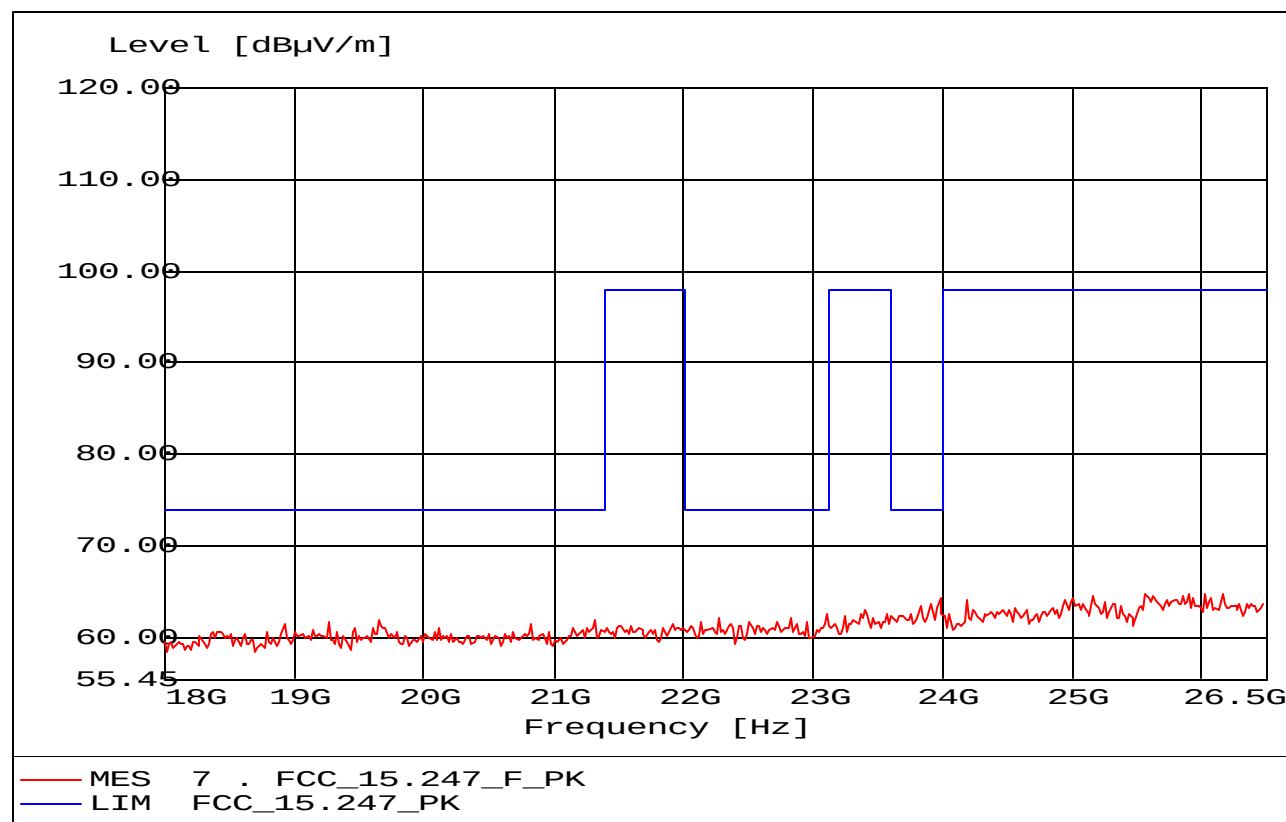
**Operating Condition:** t nom=22°C Internal battery

**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<sub>max</sub>:** 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

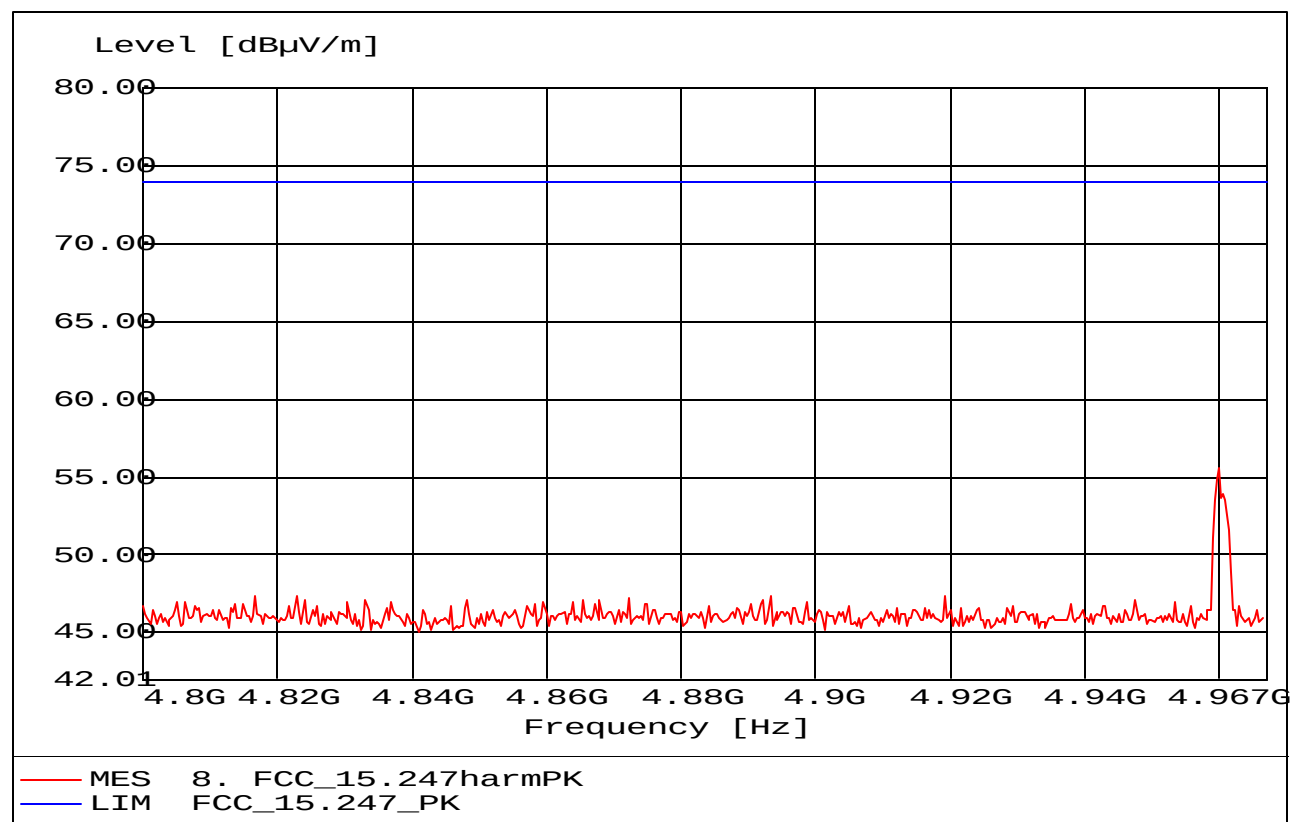
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

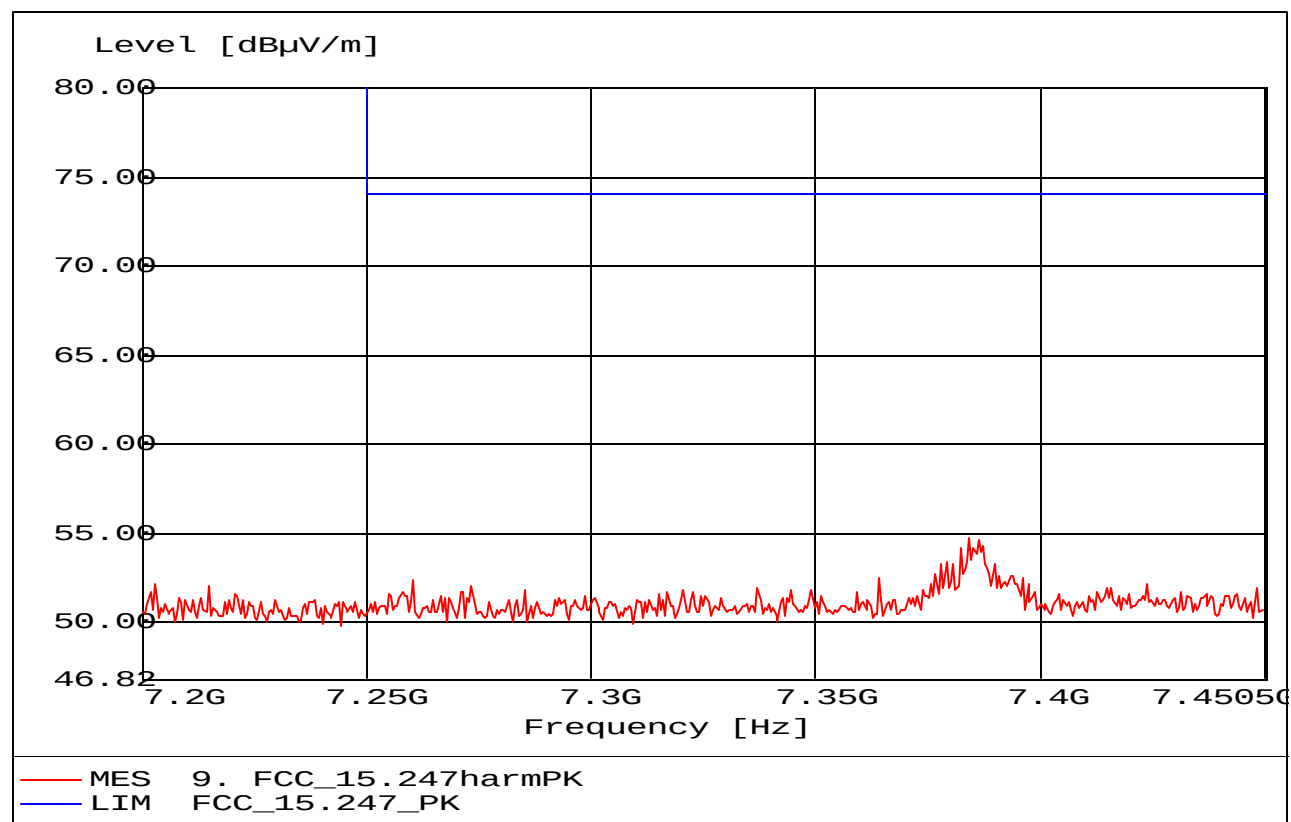
**Operating Condition:** t nom=22°C Internal battery

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

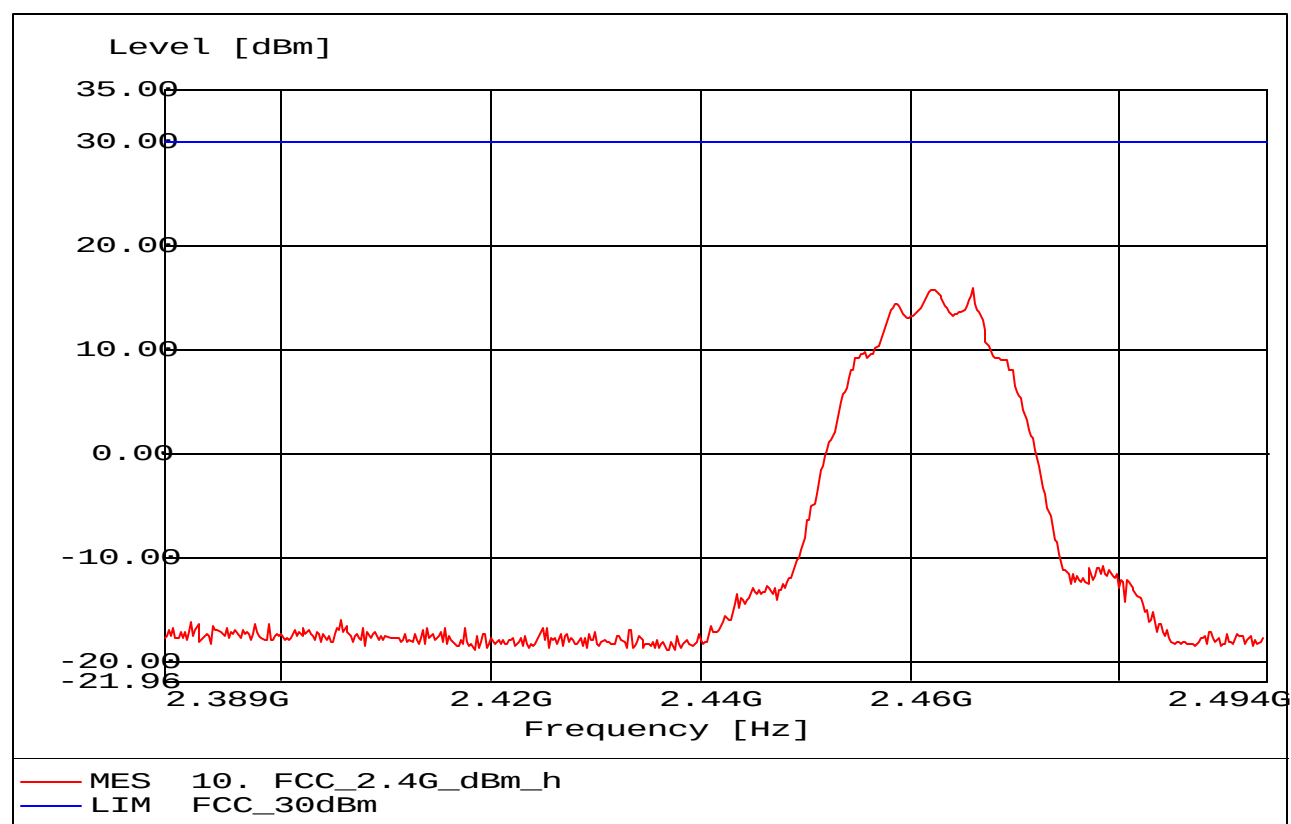
**Operating Condition:** t nom=22°C Internal battery

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

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

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

**Freq:** 2.466GHz, Pmax: 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 Settins:** both radio units set to RX, BT hopping / WLAN Ch 6

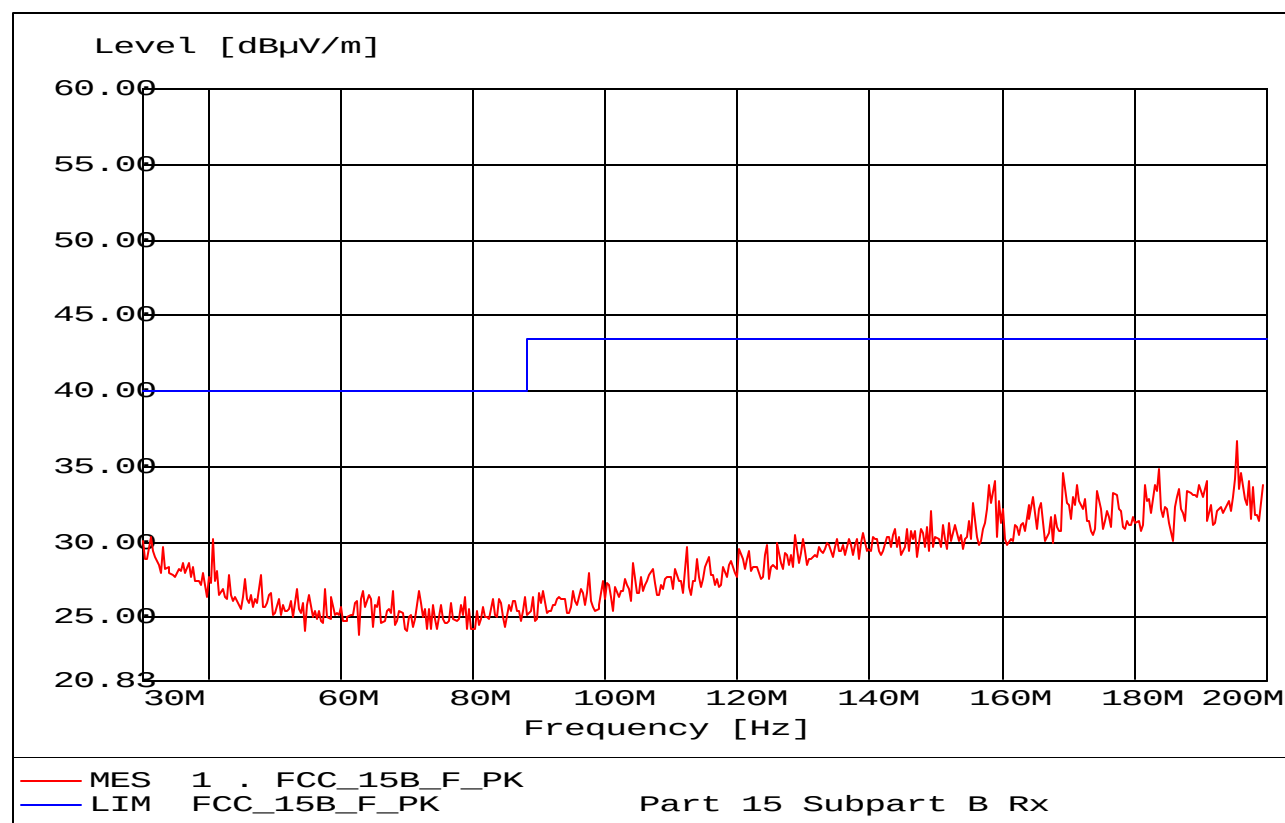
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

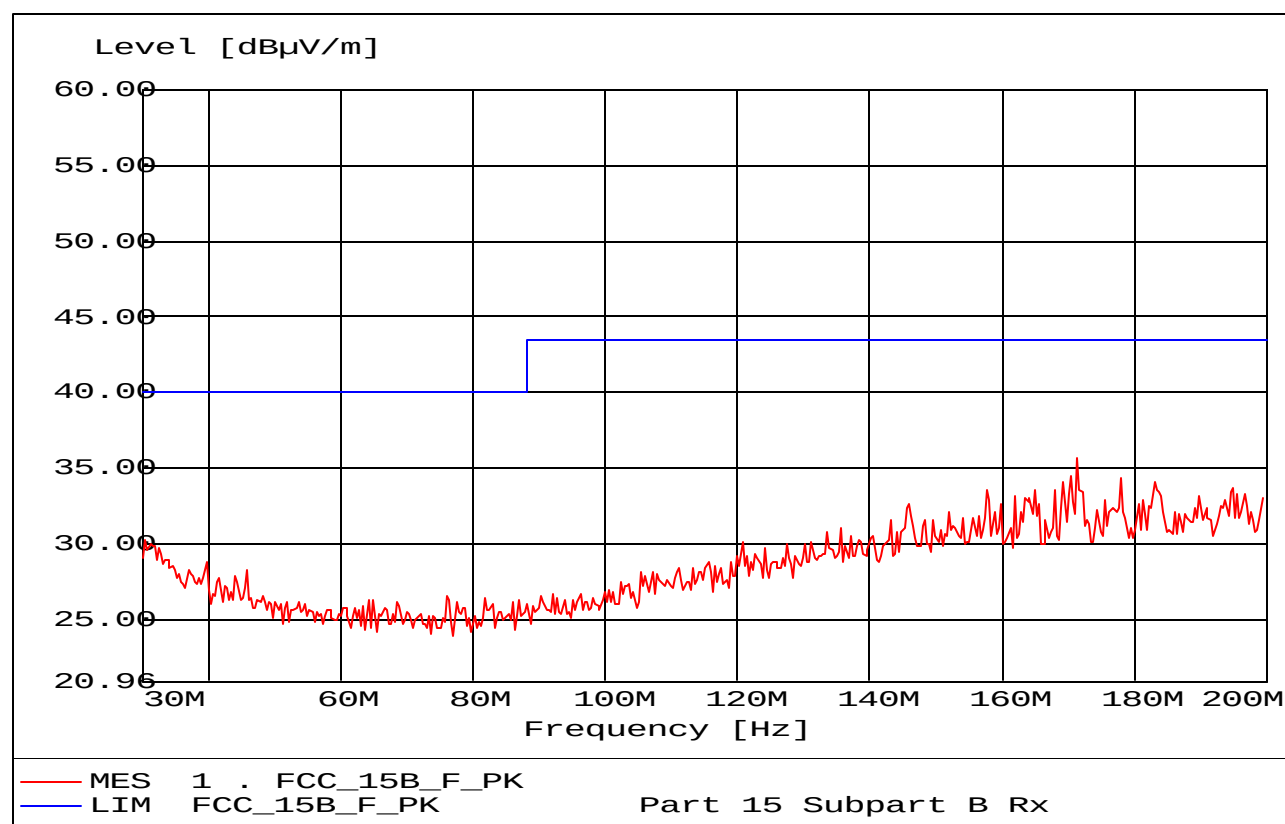
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

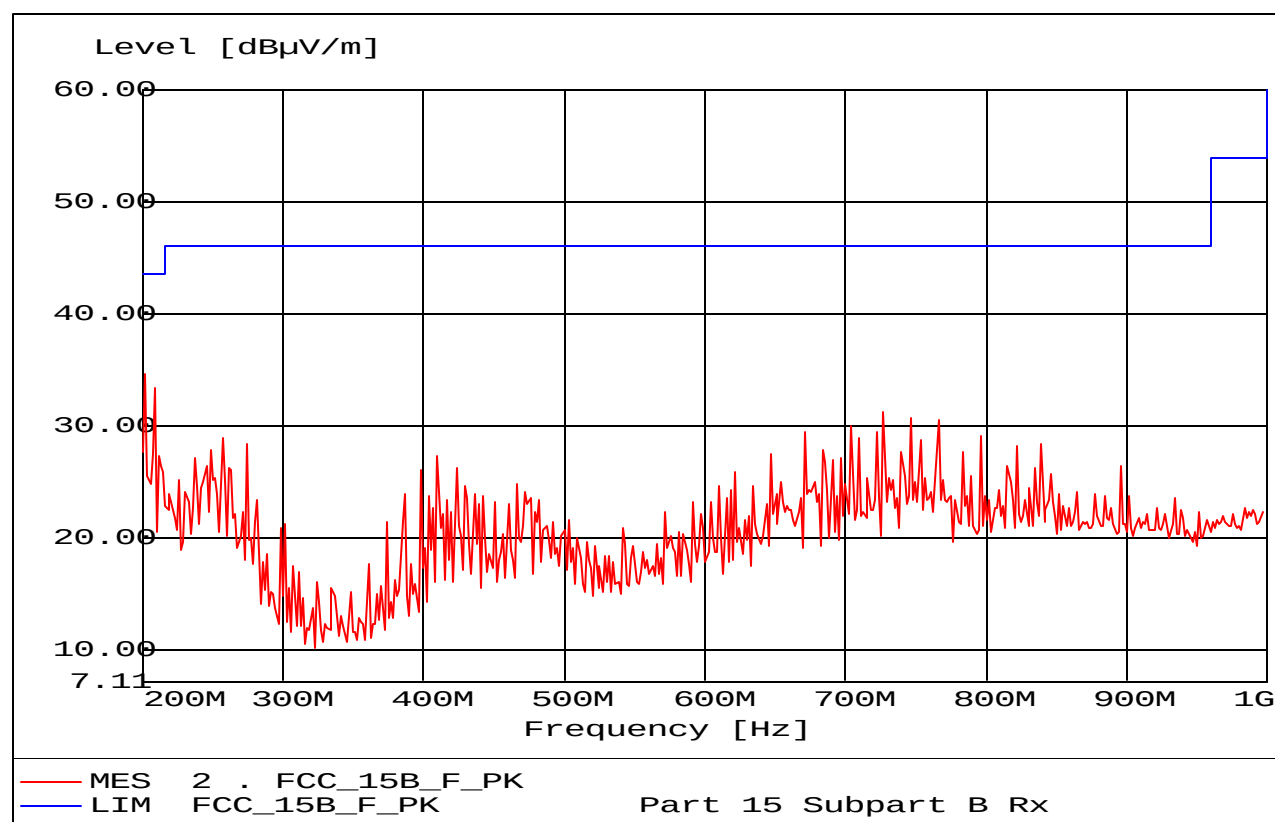
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

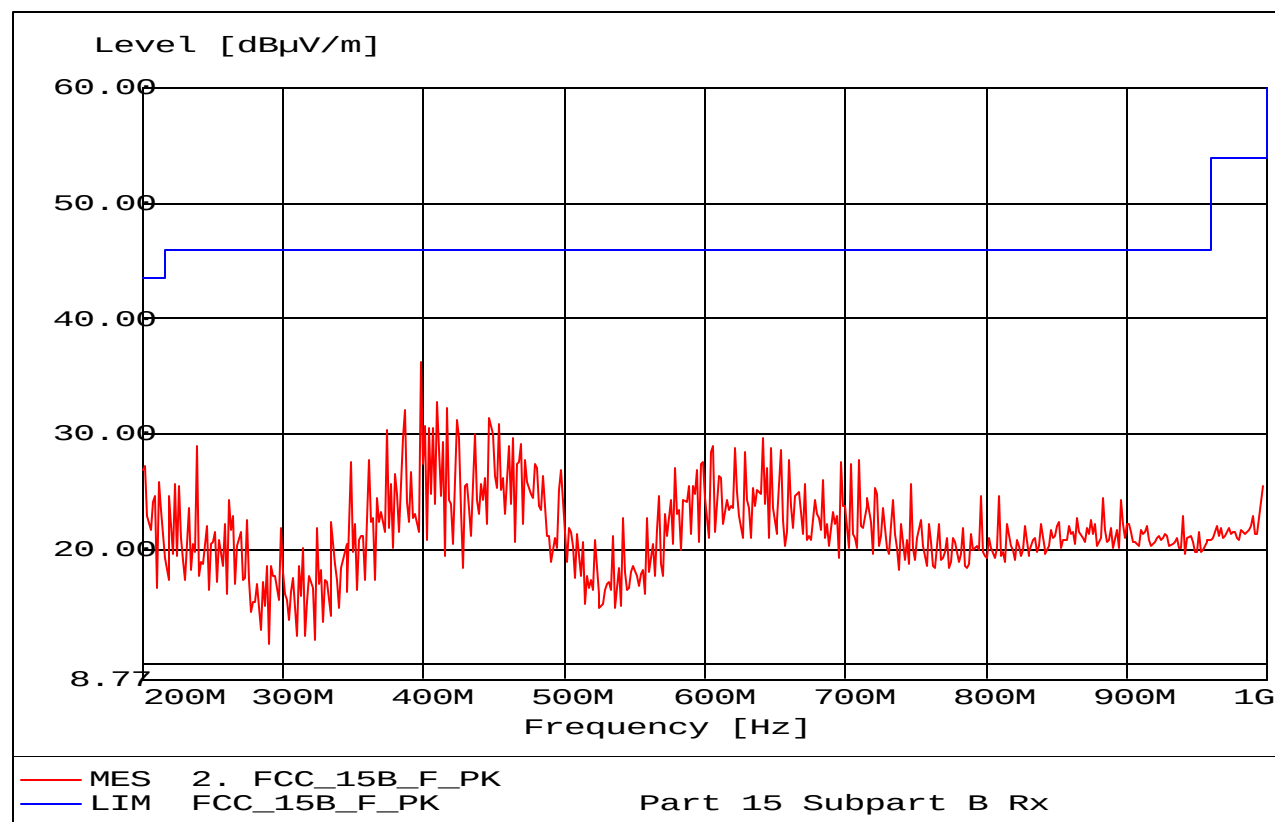
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

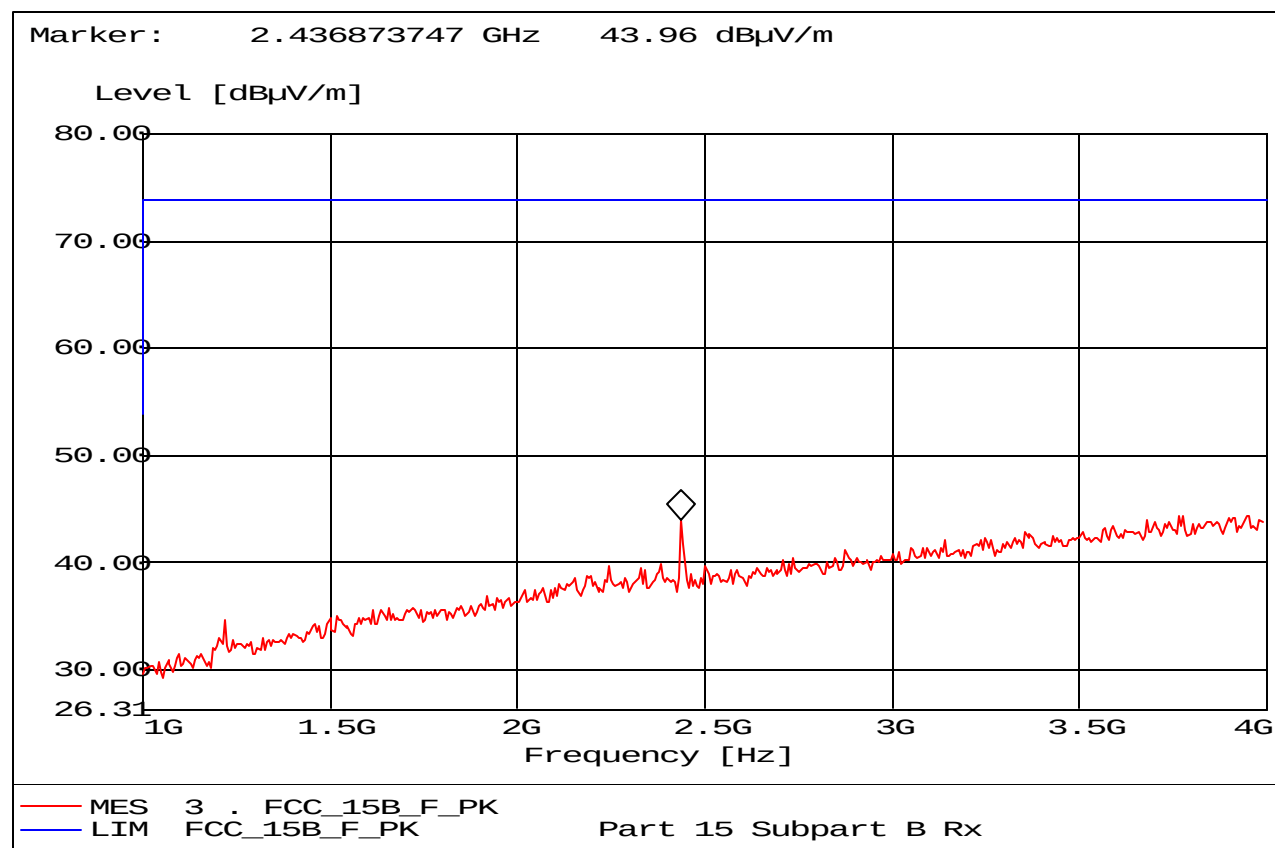
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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

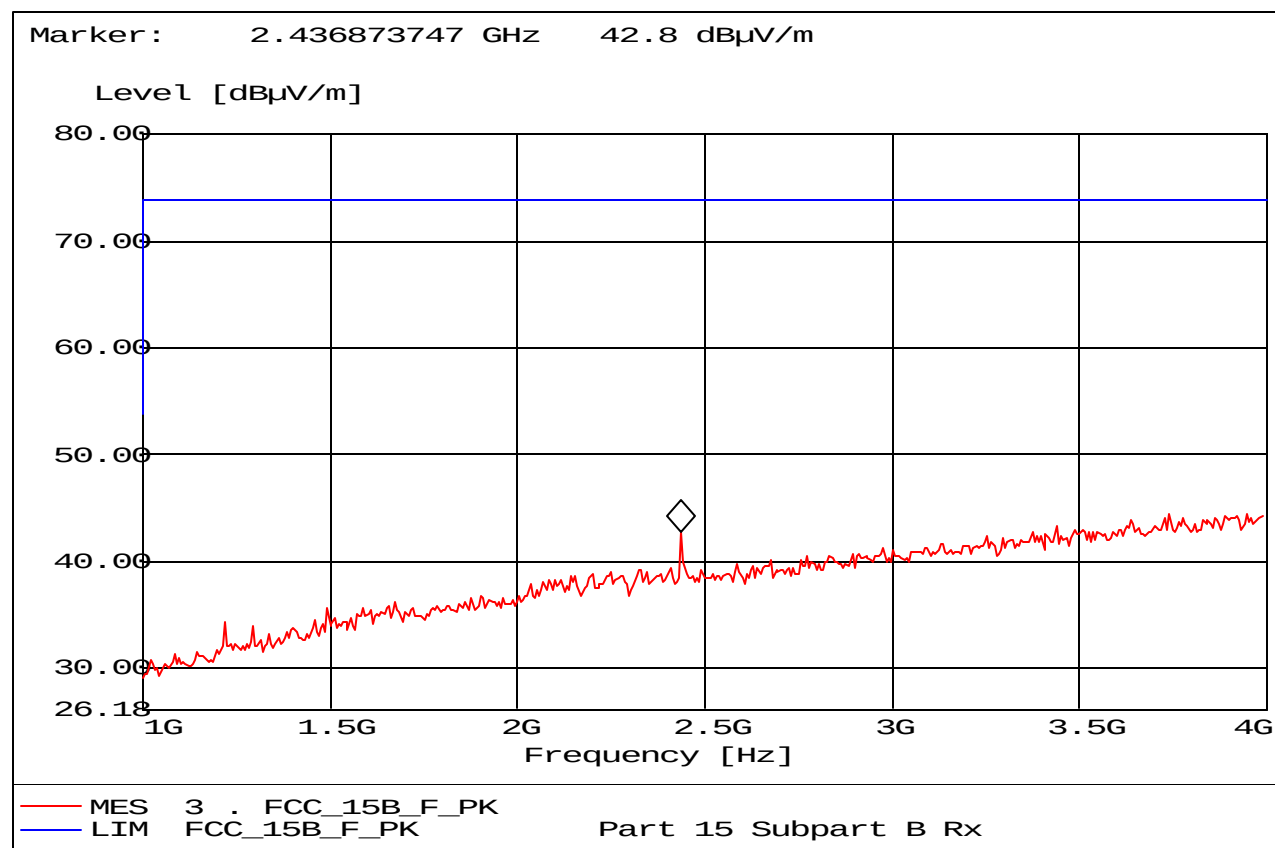
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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: 3.946GHz, Emax: 44.49dB $\mu$ 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.

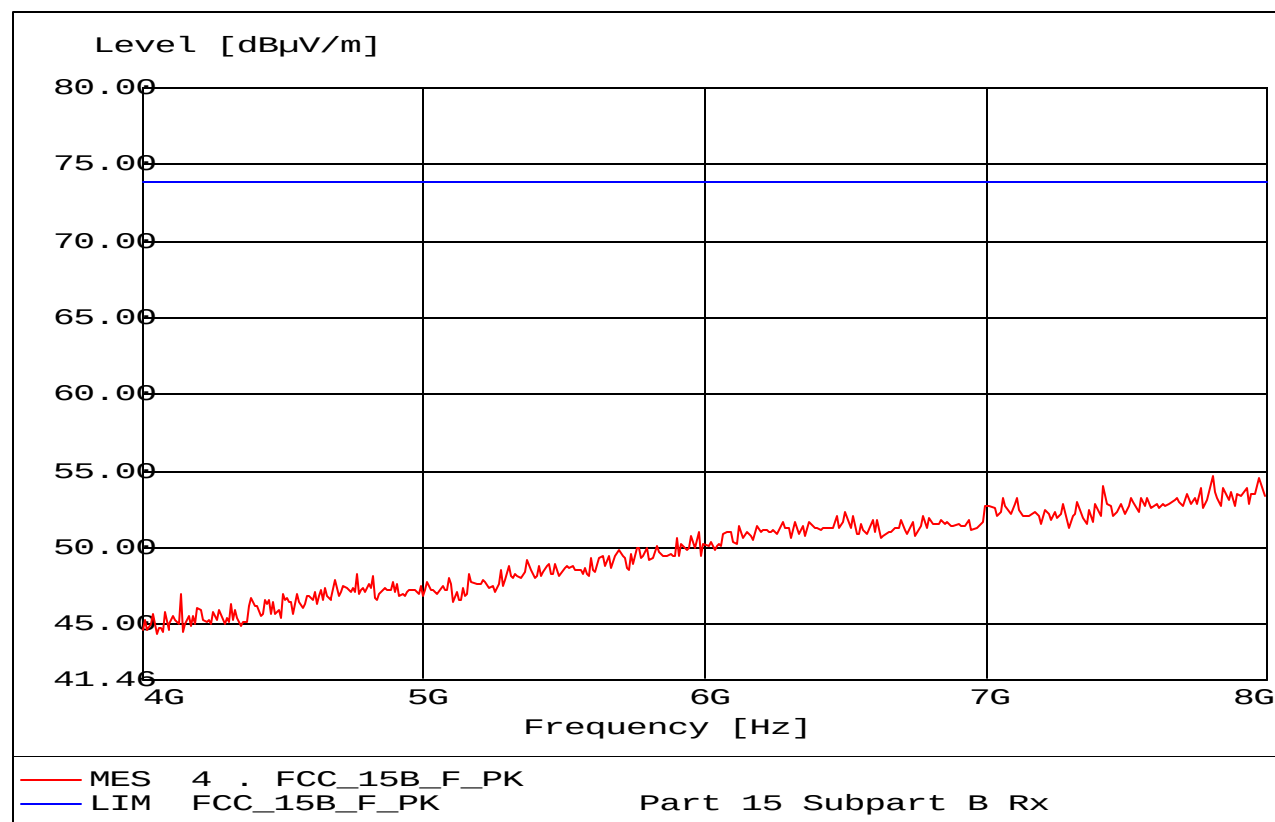
**EUT Setings:** both radio units set to RX, BT hopping / WLAN Ch 6

**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: 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

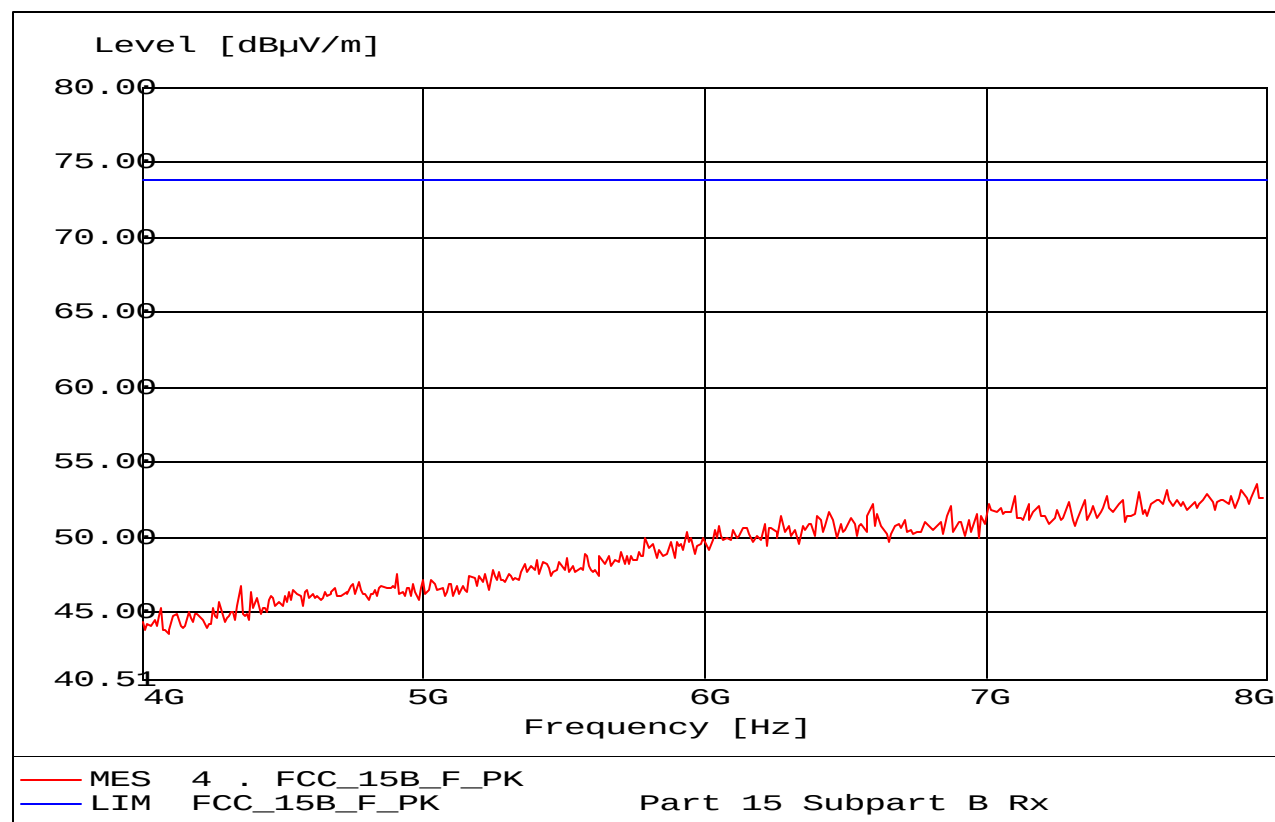
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

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

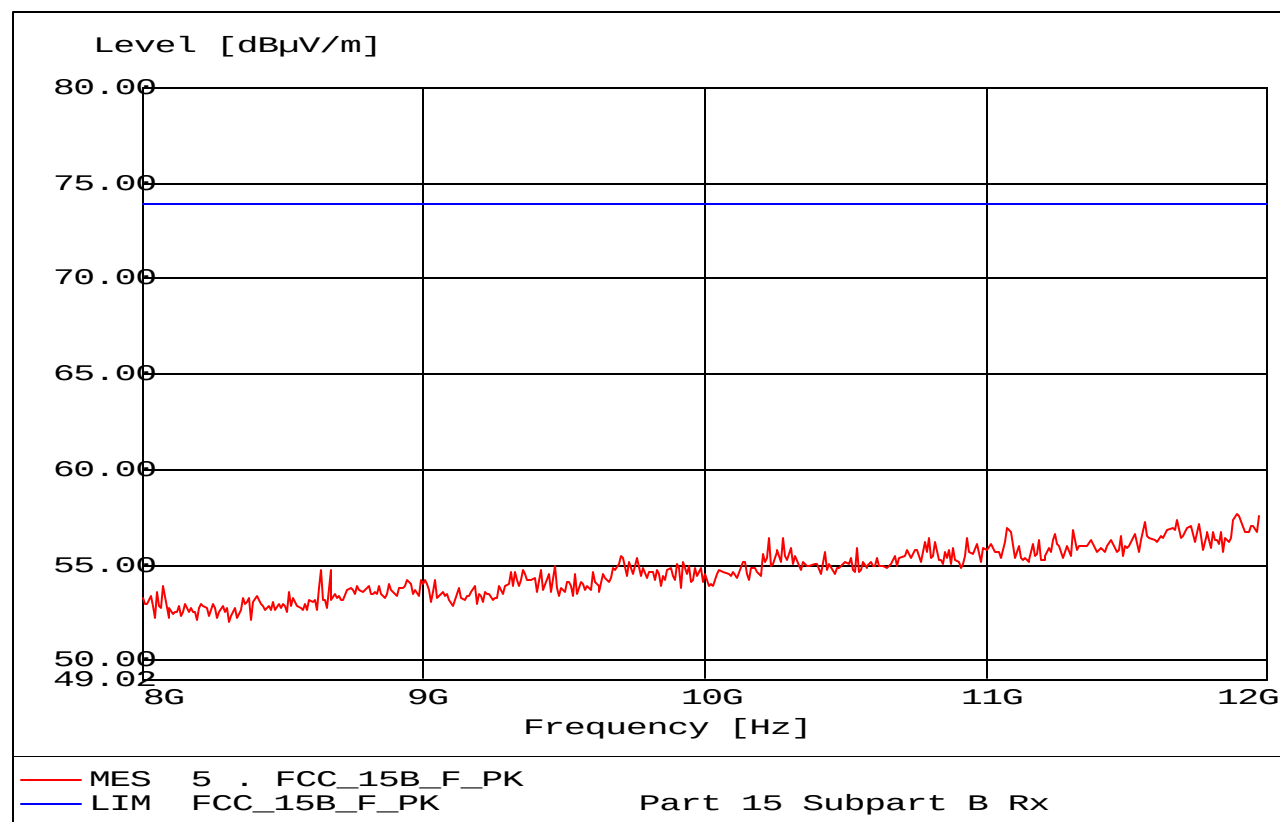
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

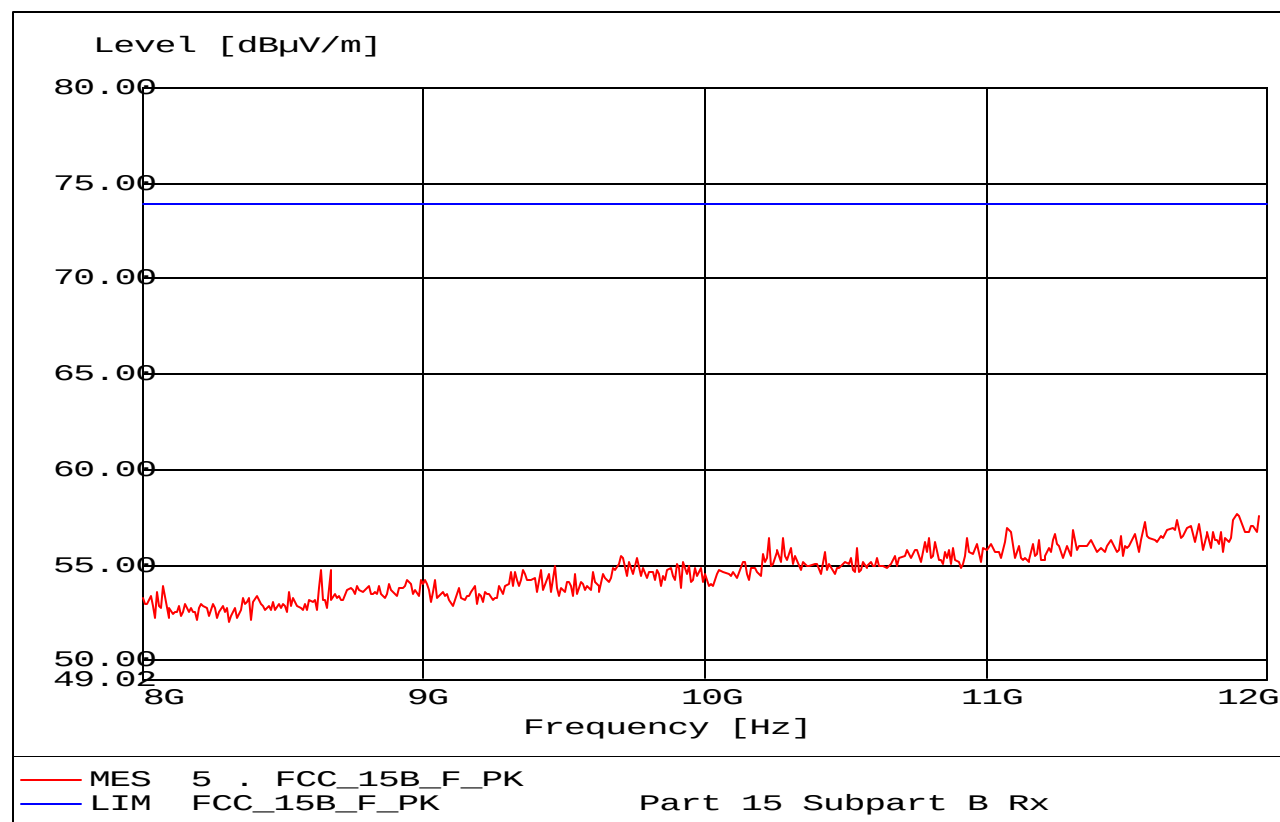
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 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

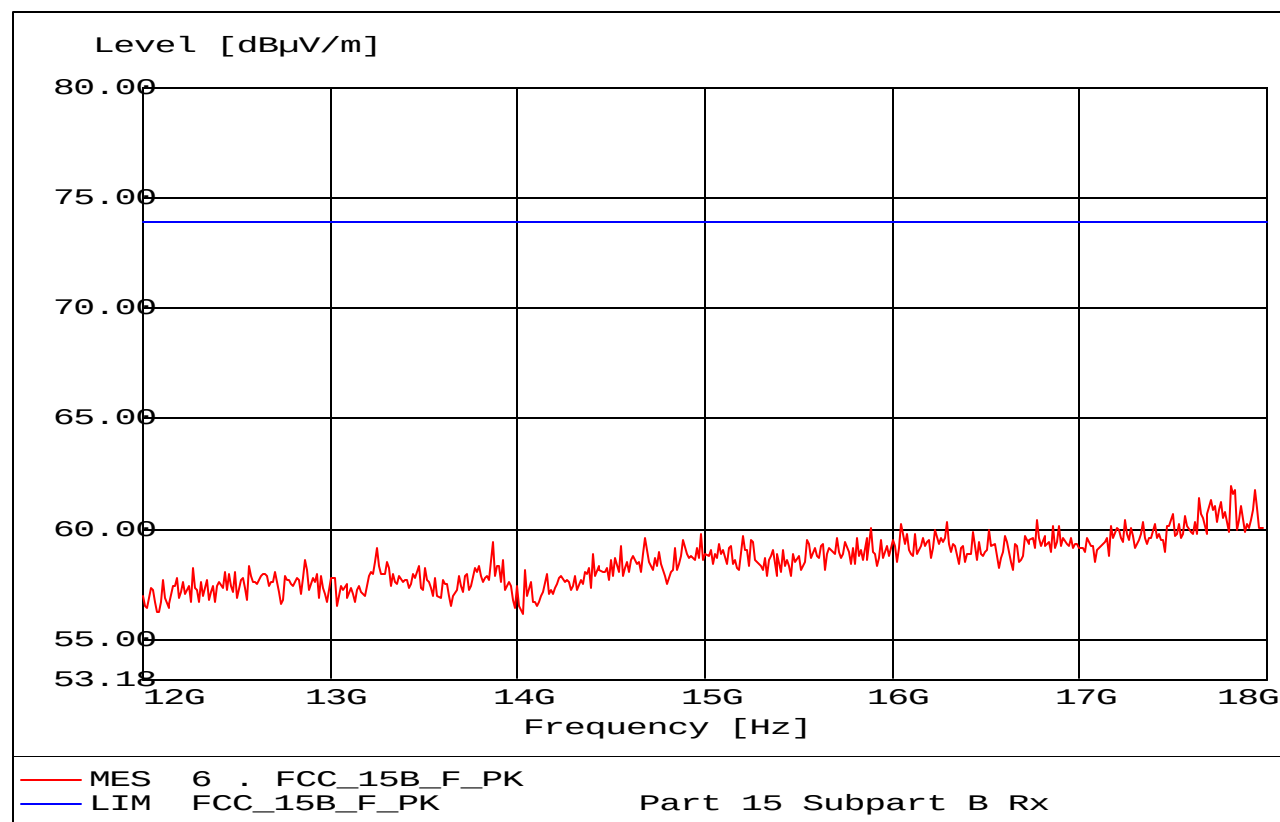
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 $\mu$ 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 Settins:** both radio units set to RX, BT hopping / WLAN Ch 6

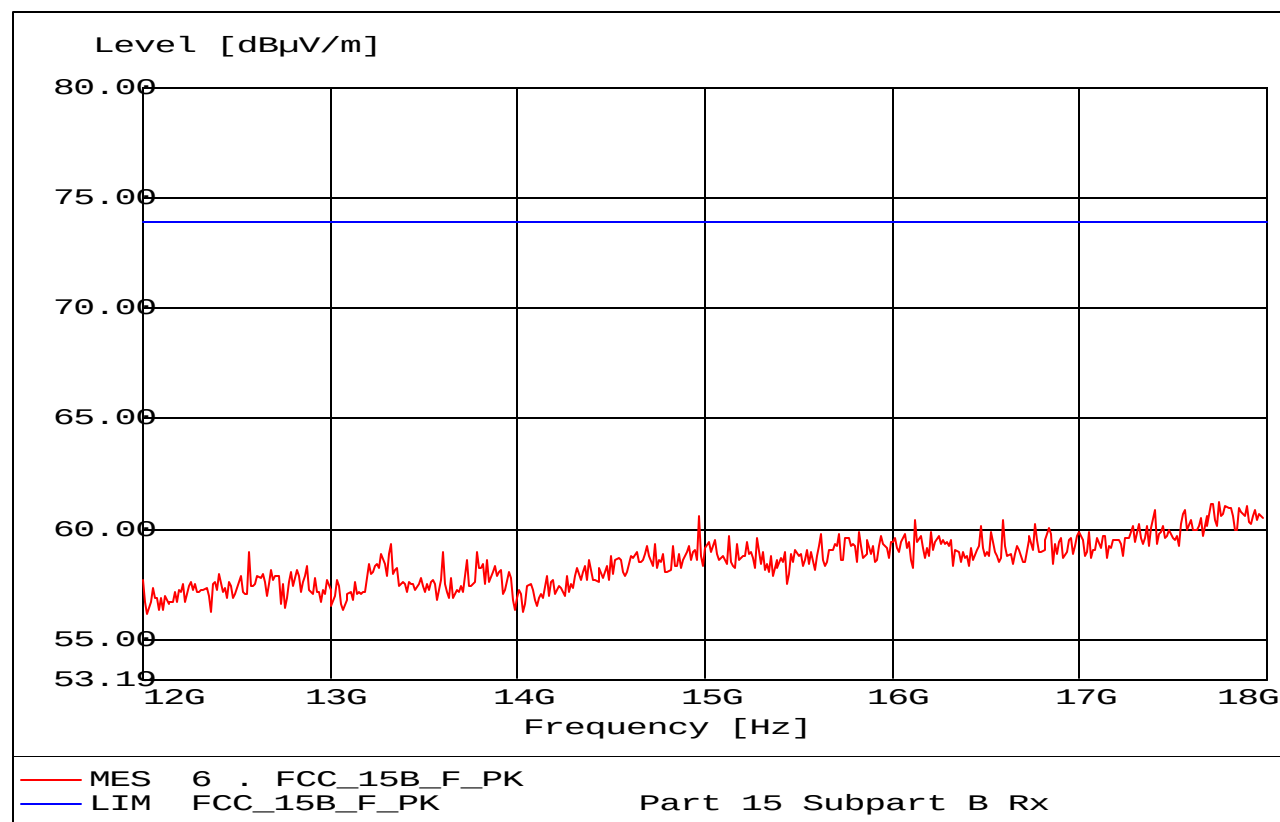
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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 Settins:** both radio units set to RX, BT hopping / WLAN Ch 6

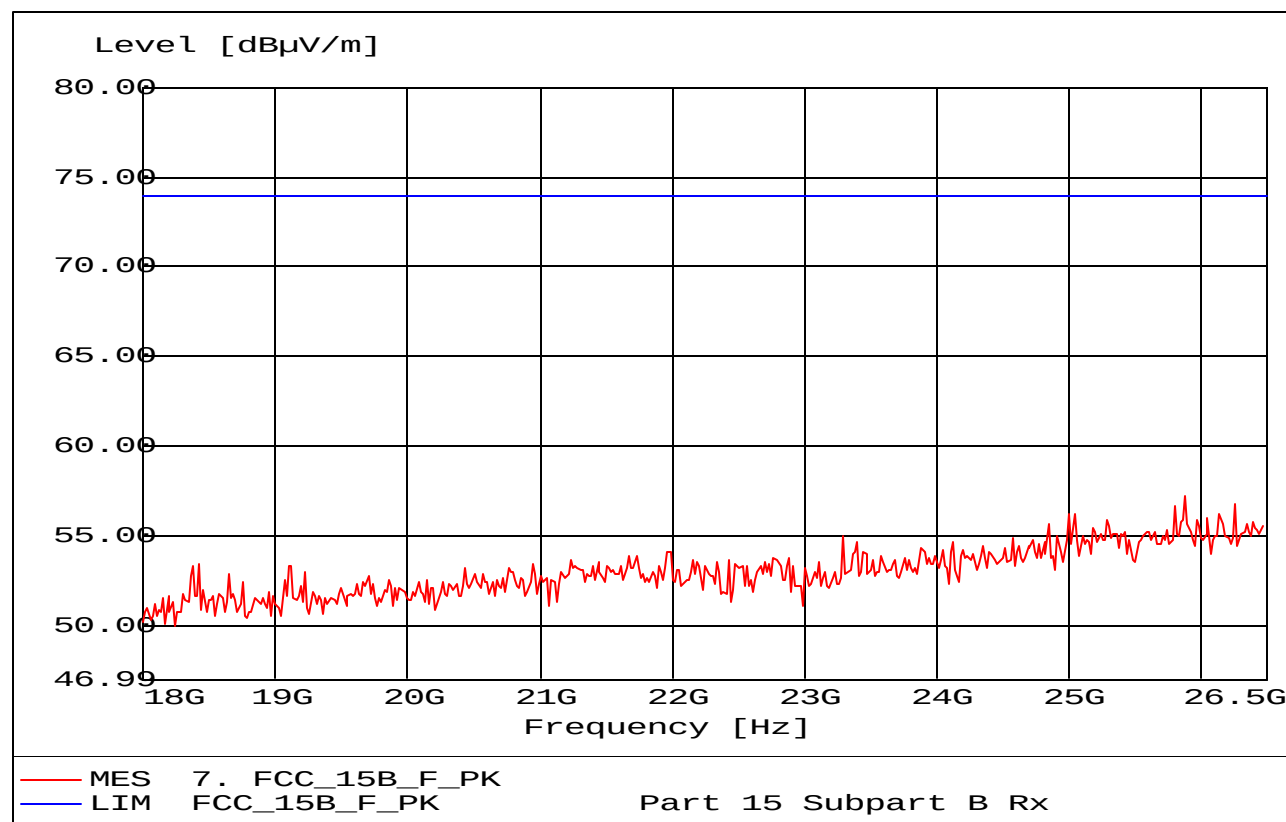
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

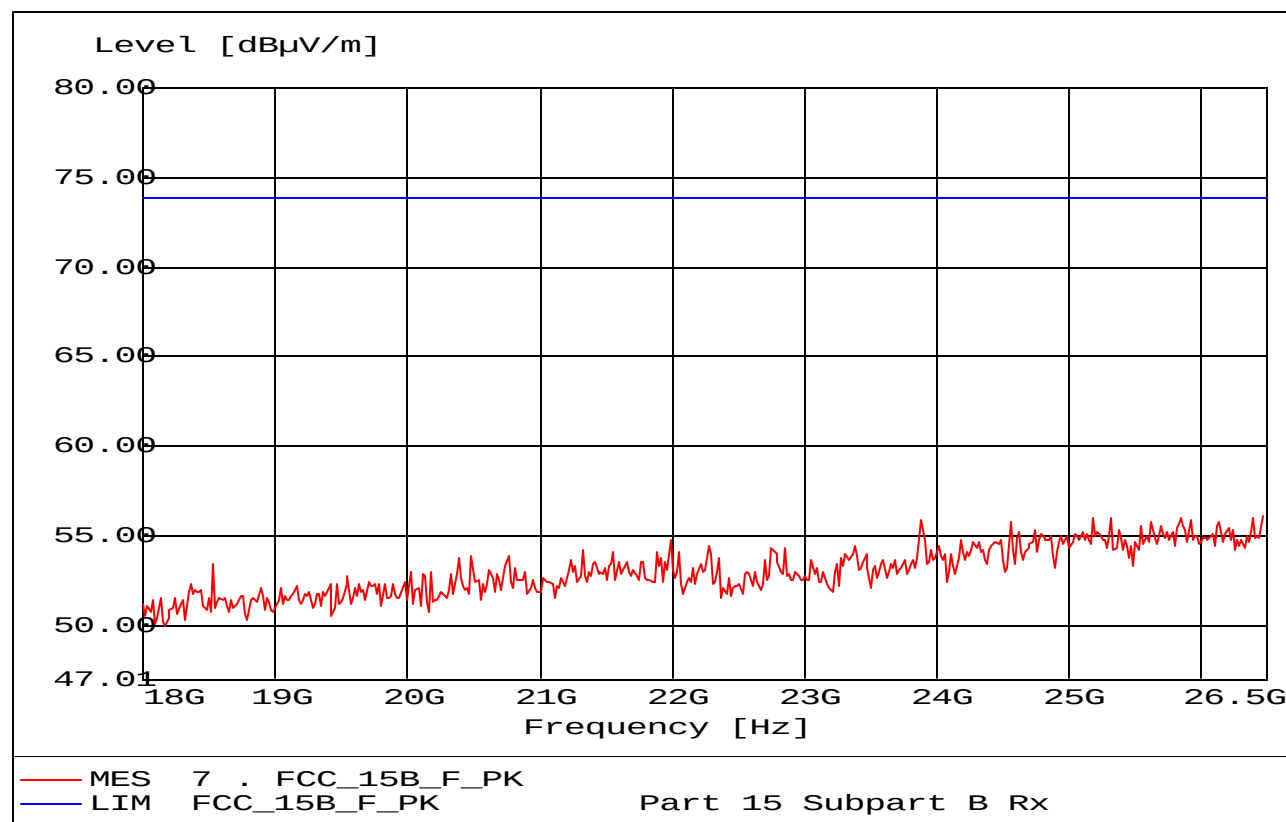
**Operating Condition:**  $t_{nom}=22^{\circ}\text{C}$  Internal battery

**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

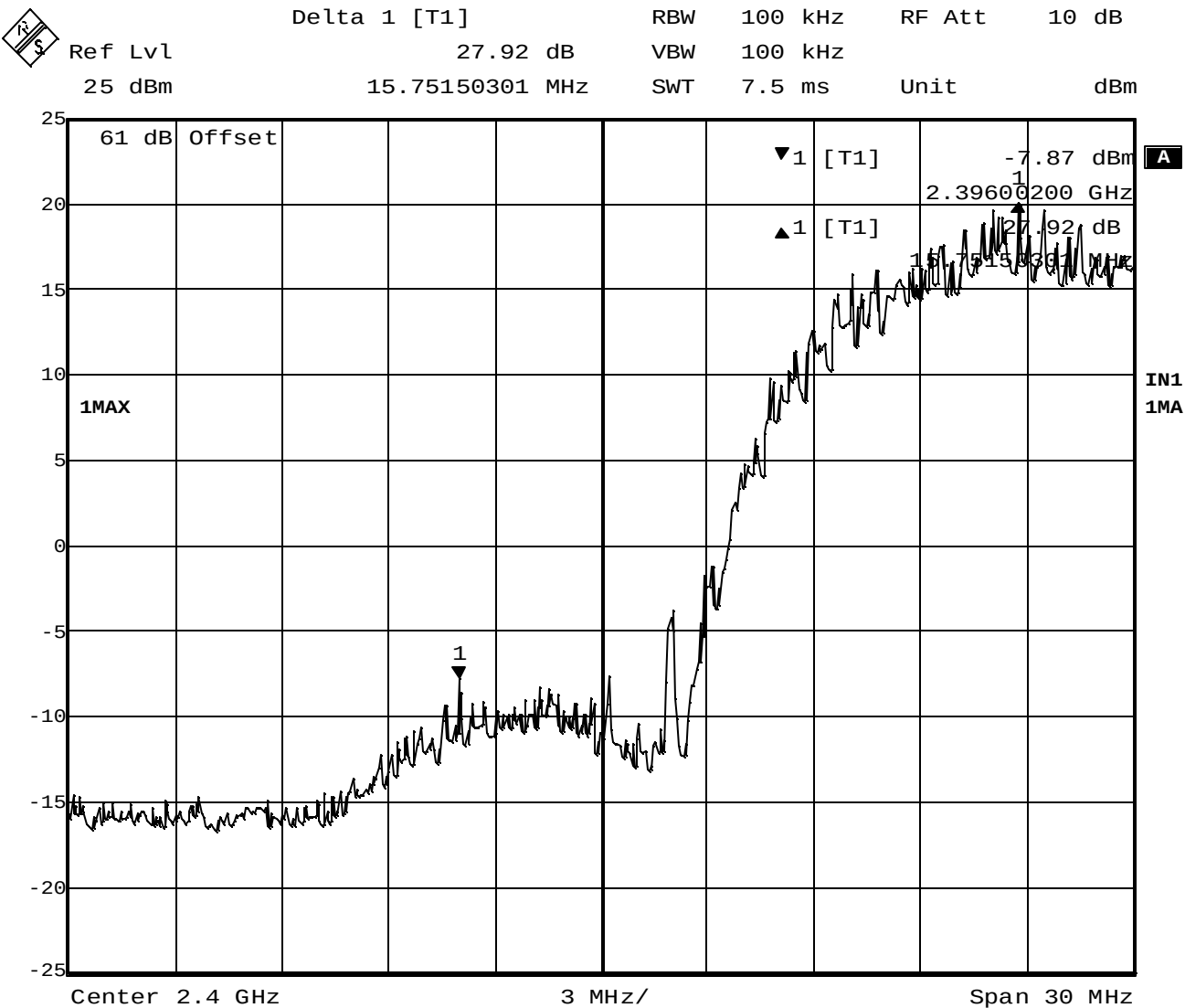
Freq: 26.466GHz, Emax: 56.11dB $\mu\text{V/m}$ , RBW: 1MHz





Band edges

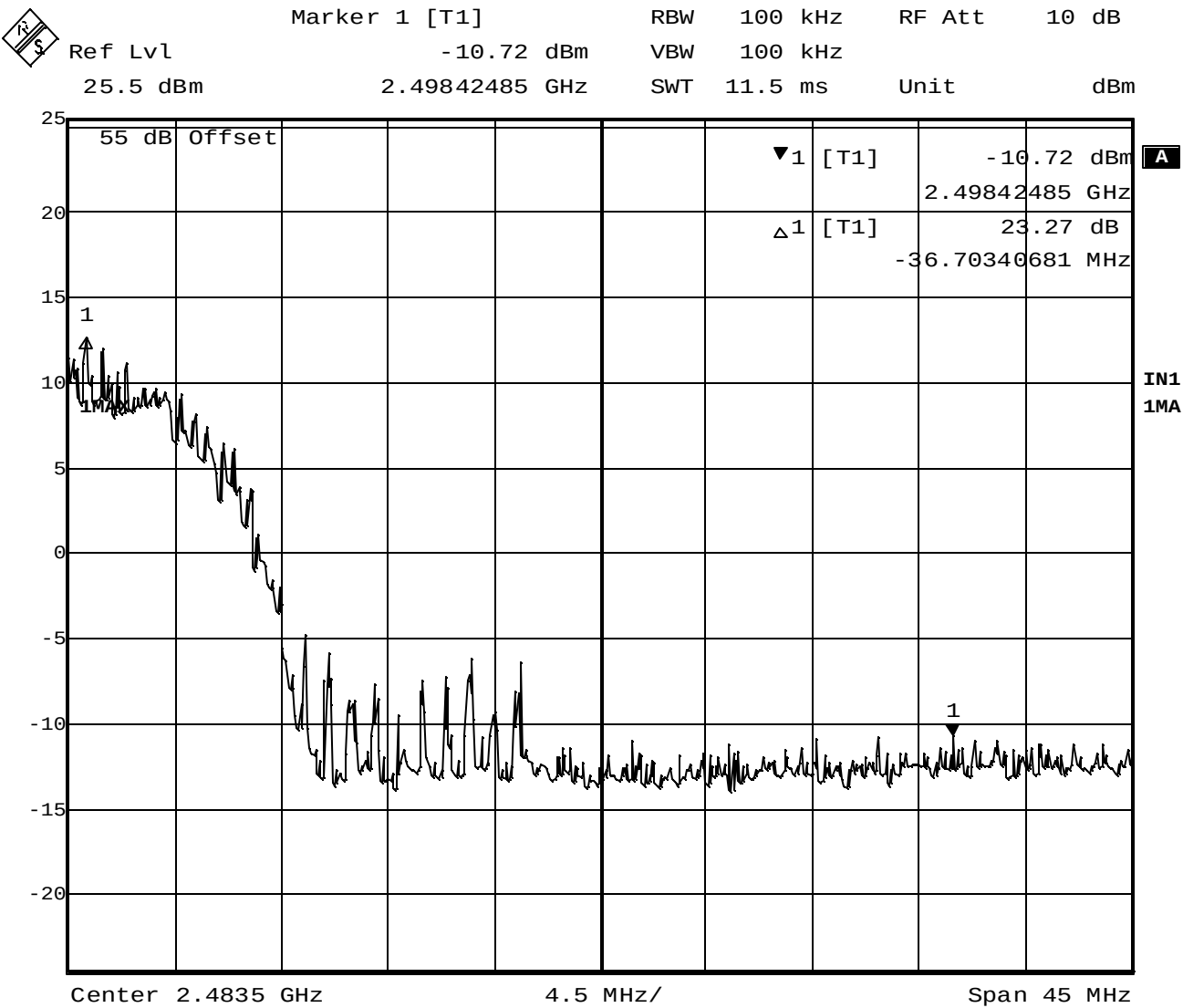
worst case with 802.11b channel 1 and BlueTooth in hopping mode



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



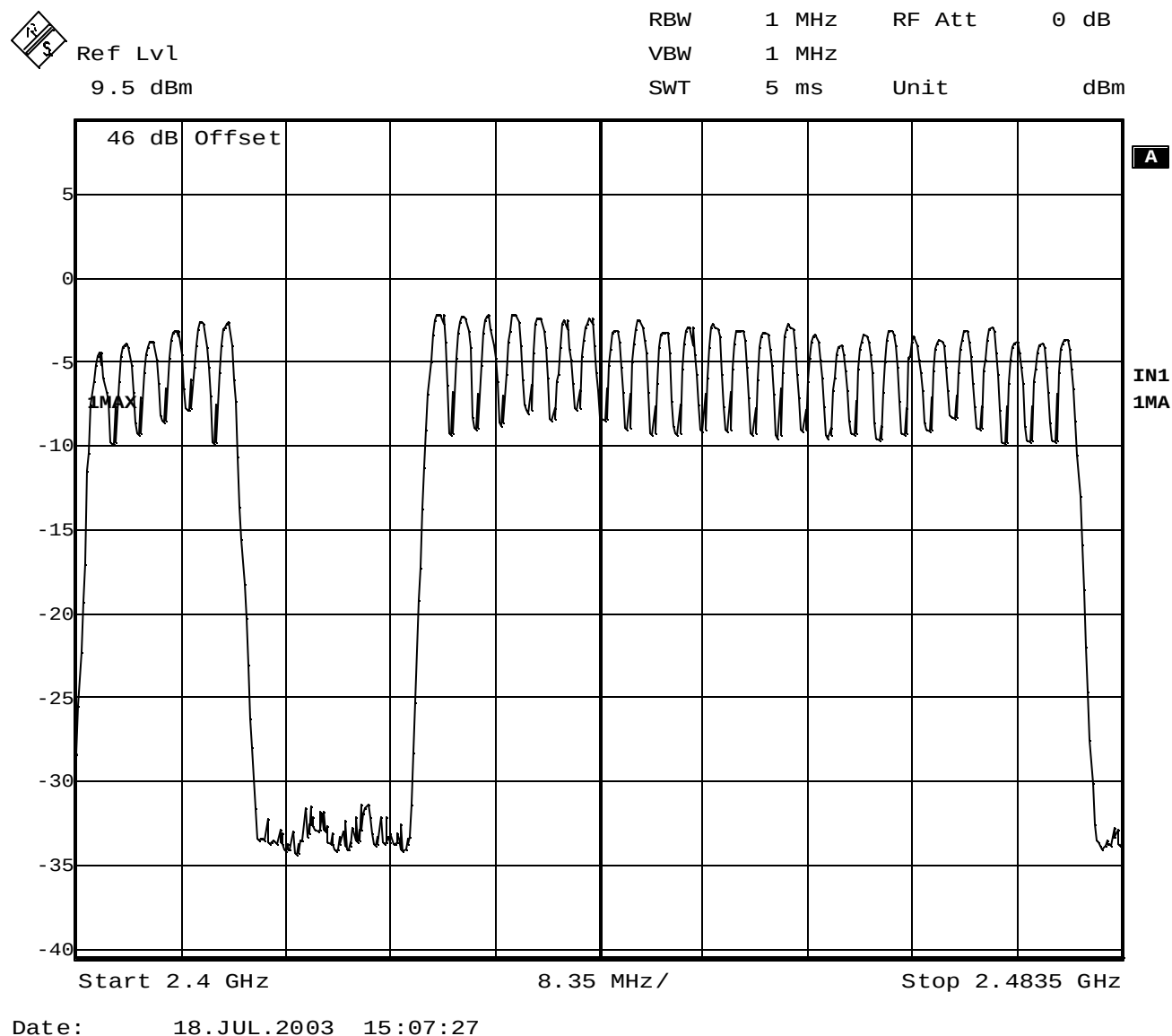
worst case with 802.11b channel 11 and BlueTooth in hopping mode

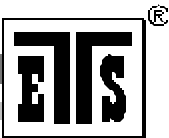


Date: 18.JUL.2003 13:45:30

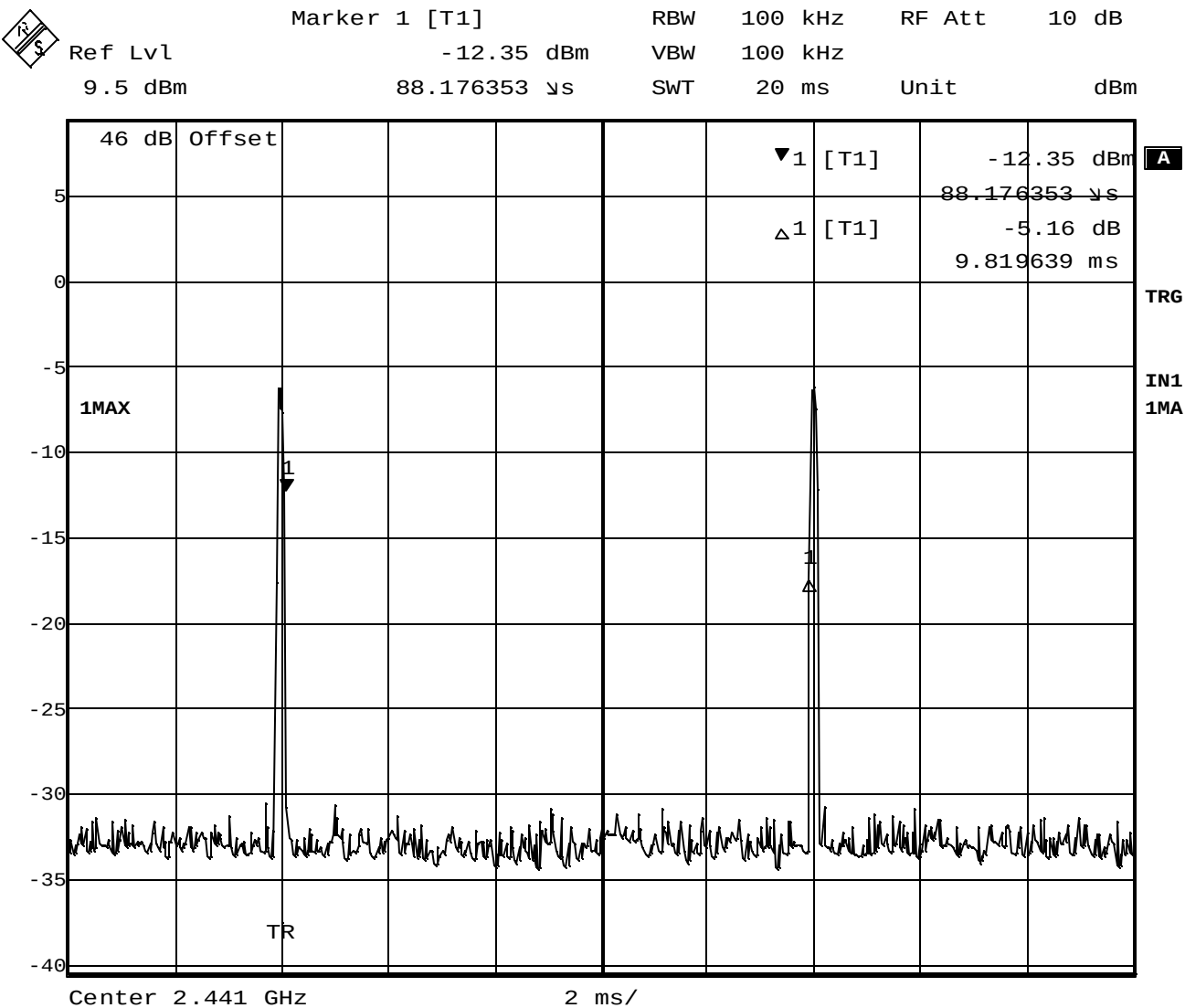
## Diagrams for Duty Cycle calculation

worst case BlueTooth in inquiry mode hopping over 32 channels

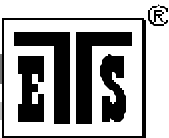




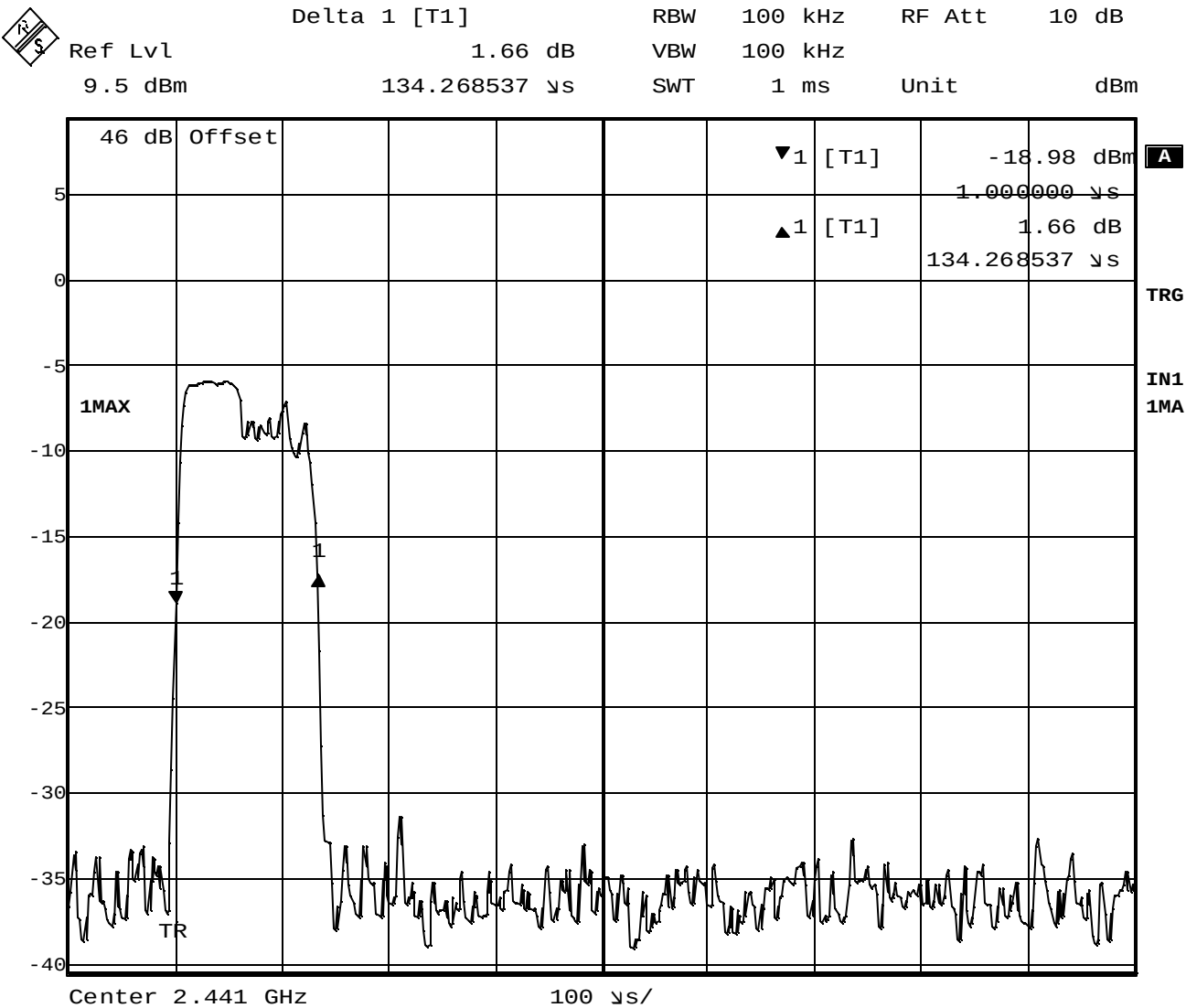
repetition of the on cycle: 9.82 ms



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



ON time 134.27  $\mu$ s



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