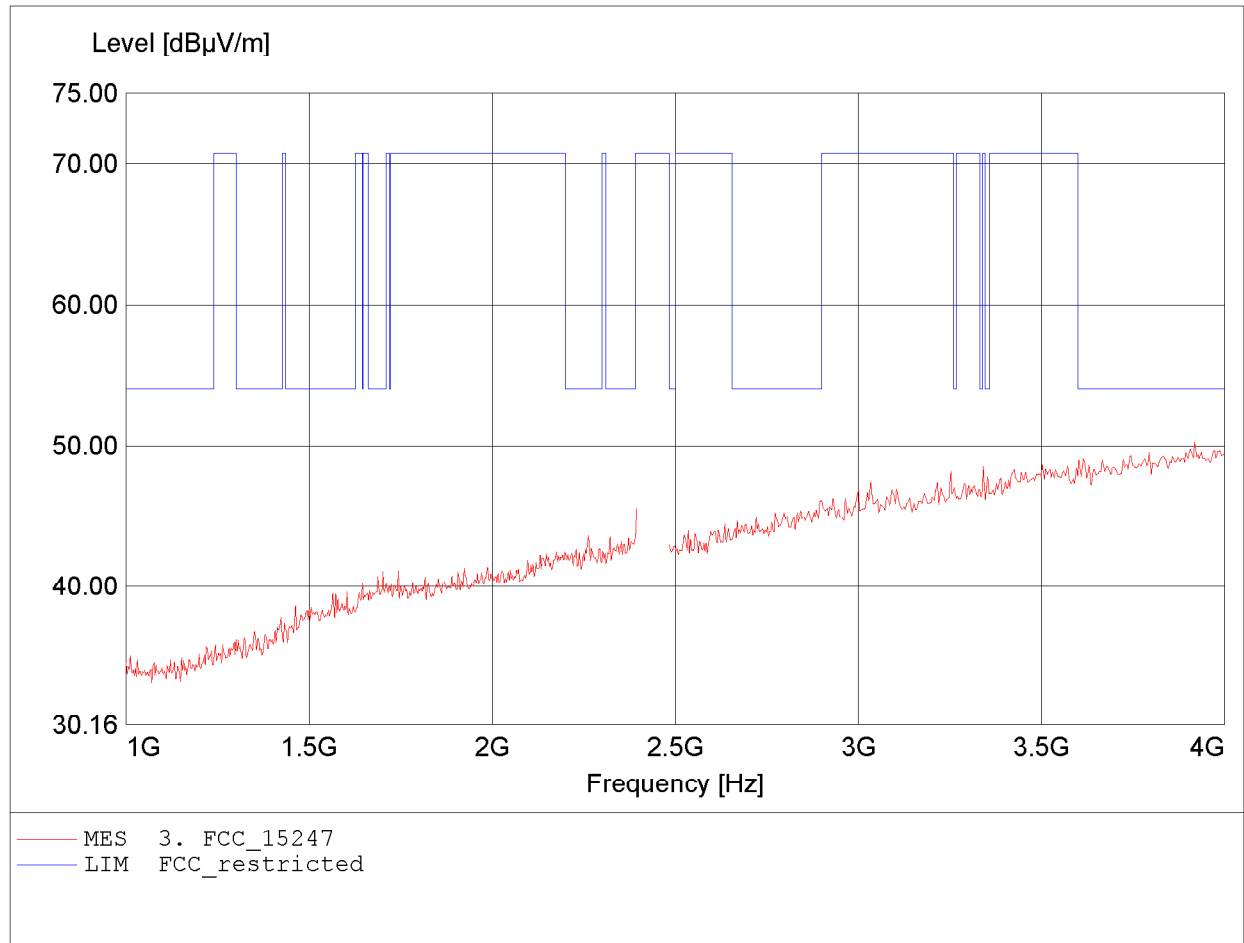


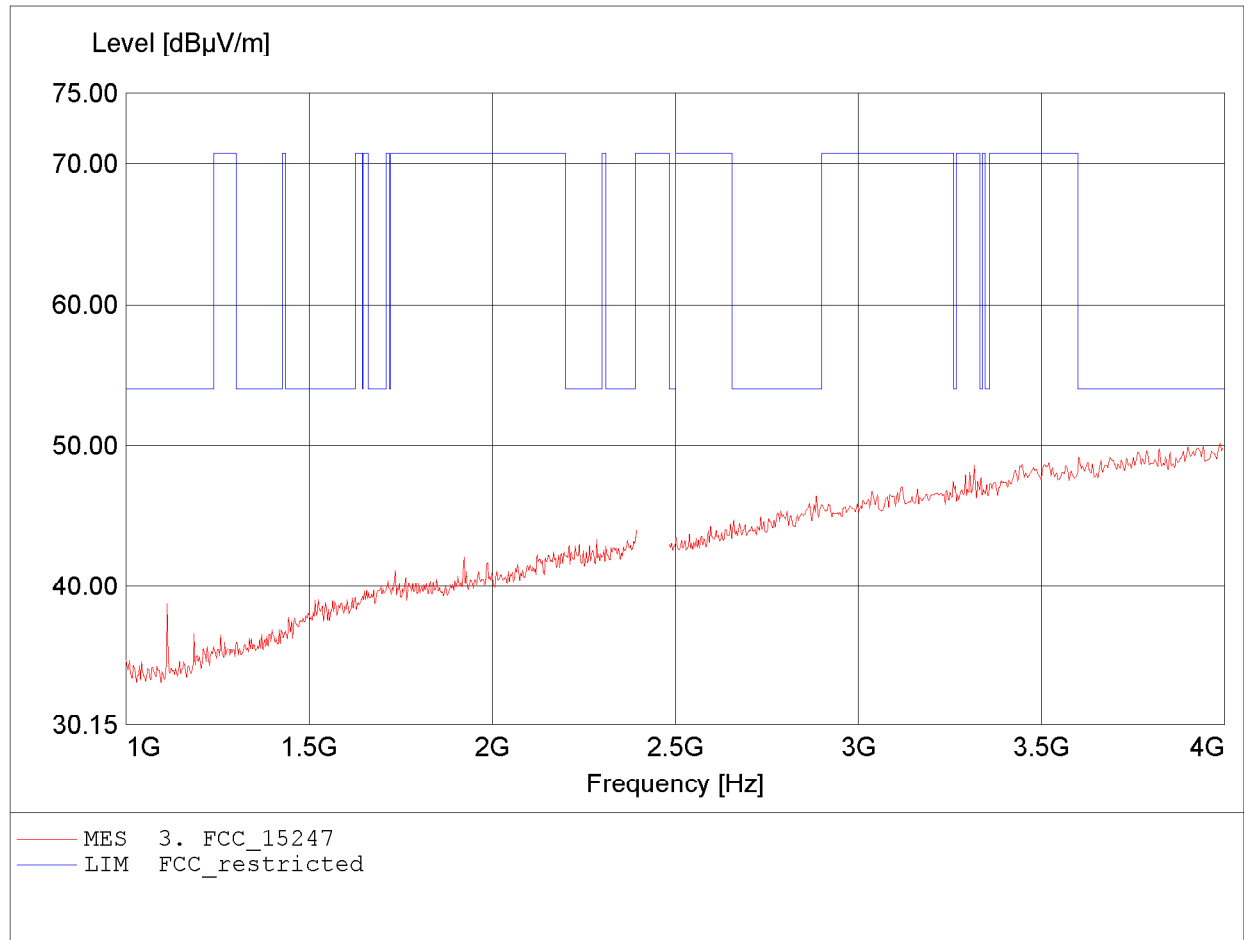
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.918GHz, Emax: 50.25dBµV/m, RBW: 1MHz



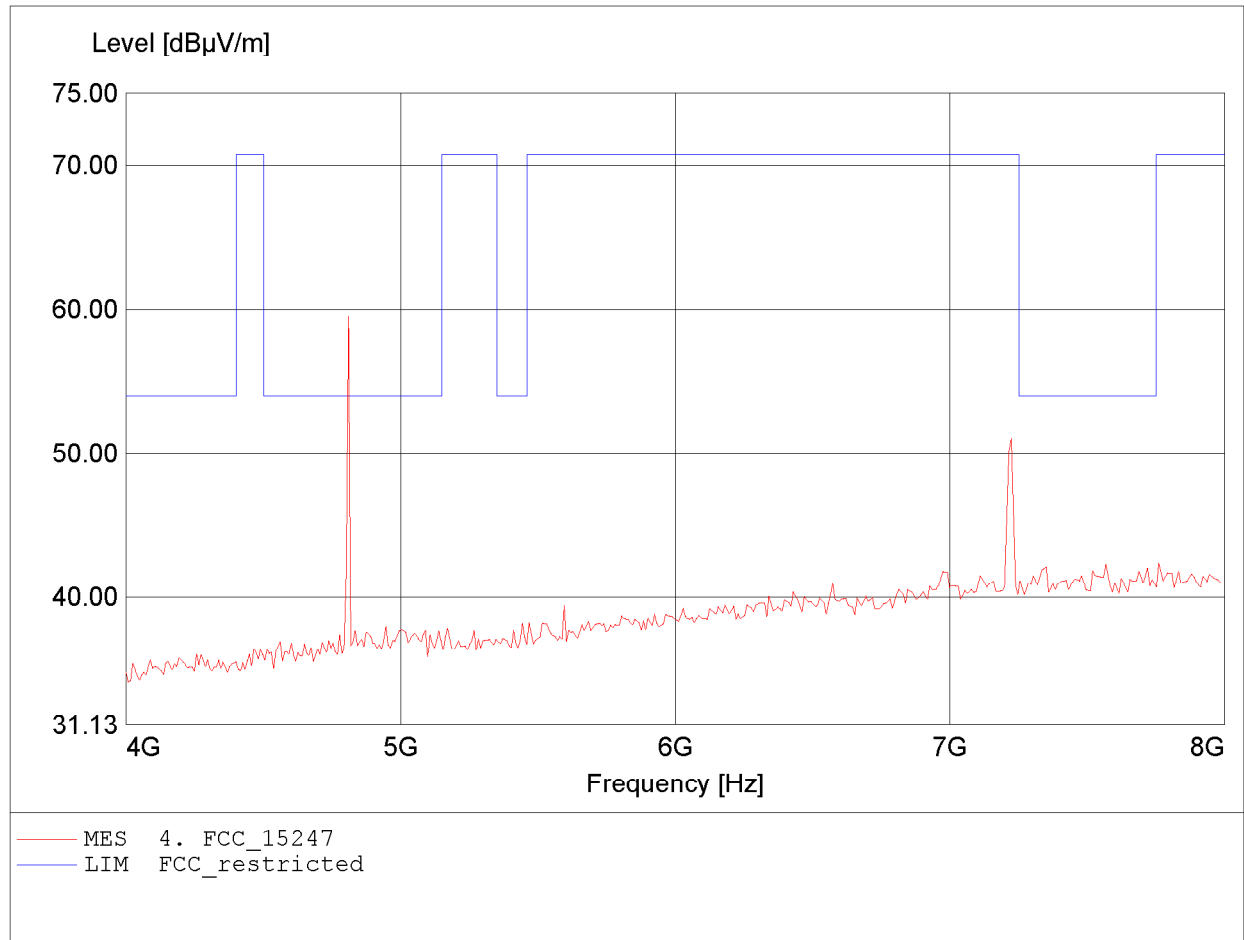
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.988GHz, Emax: 50.20dBµV/m, RBW: 1MHz



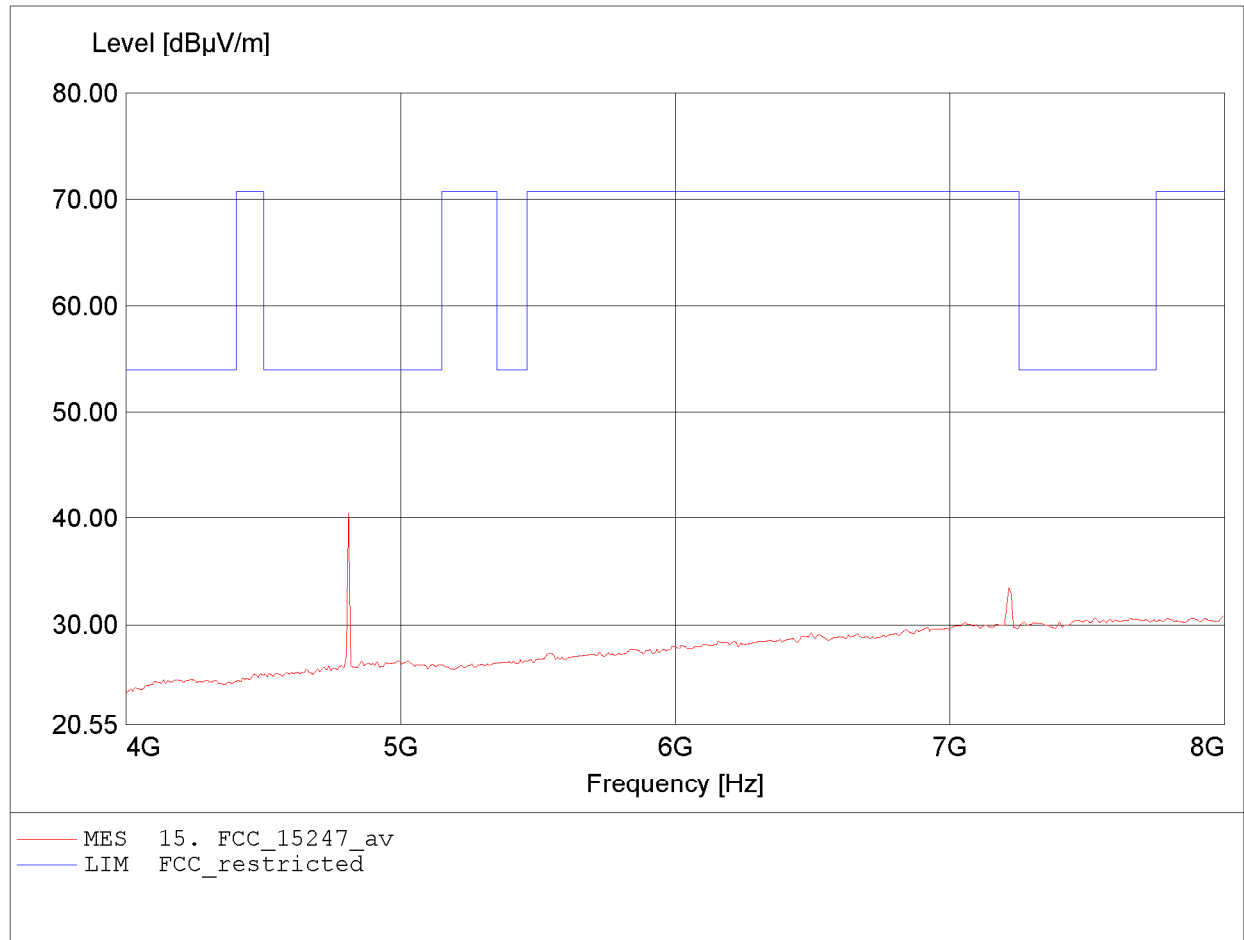
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.810GHz, Emax: 59.54dBµV/m, RBW: 1MHz



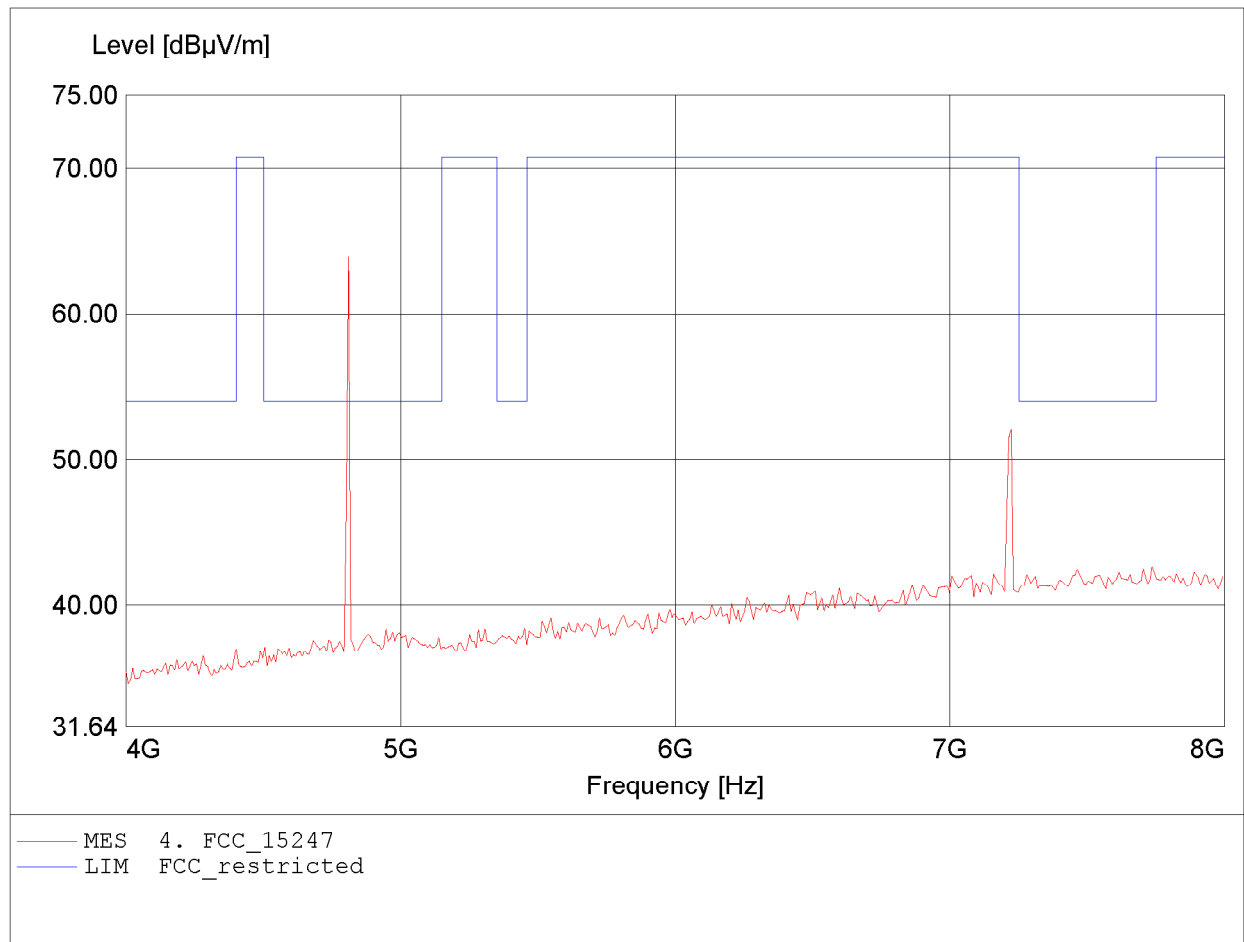
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.810GHz, Emax: 40.56dBµV/m, RBW: 1MHz



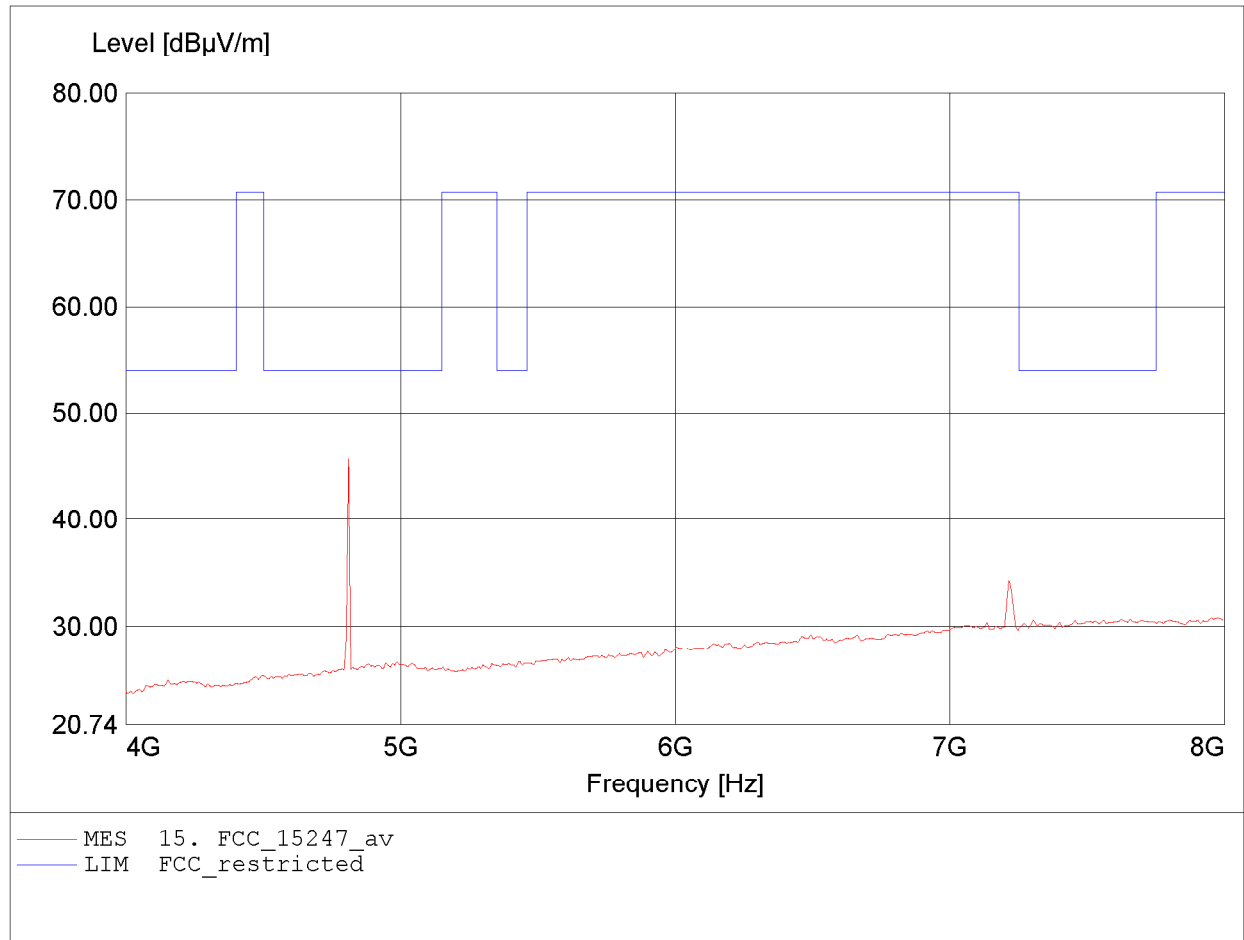
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.810GHz, Emax: 63.92dBµV/m, RBW: 1MHz



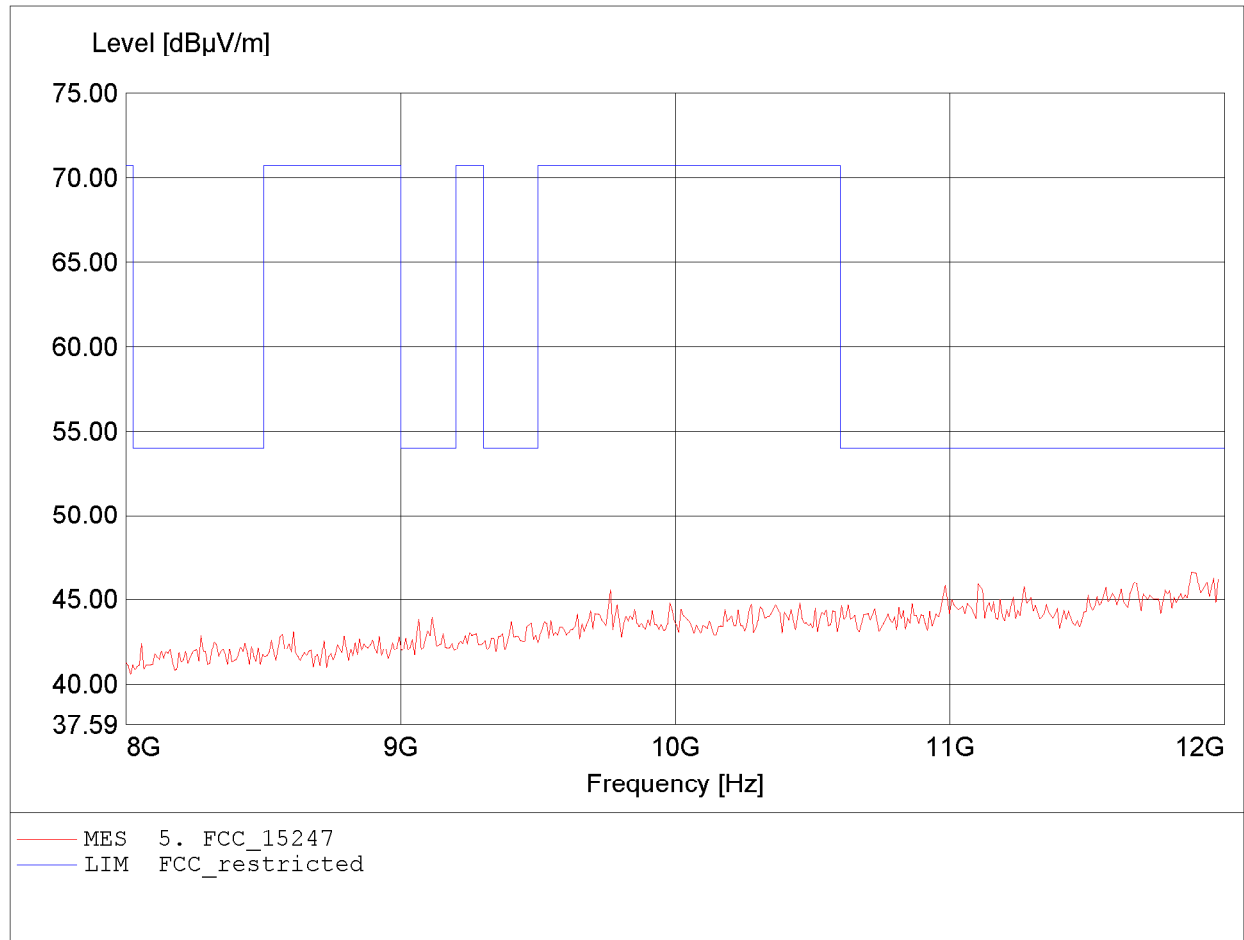
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.810GHz, Emax: 45.74dBµV/m, RBW: 1MHz



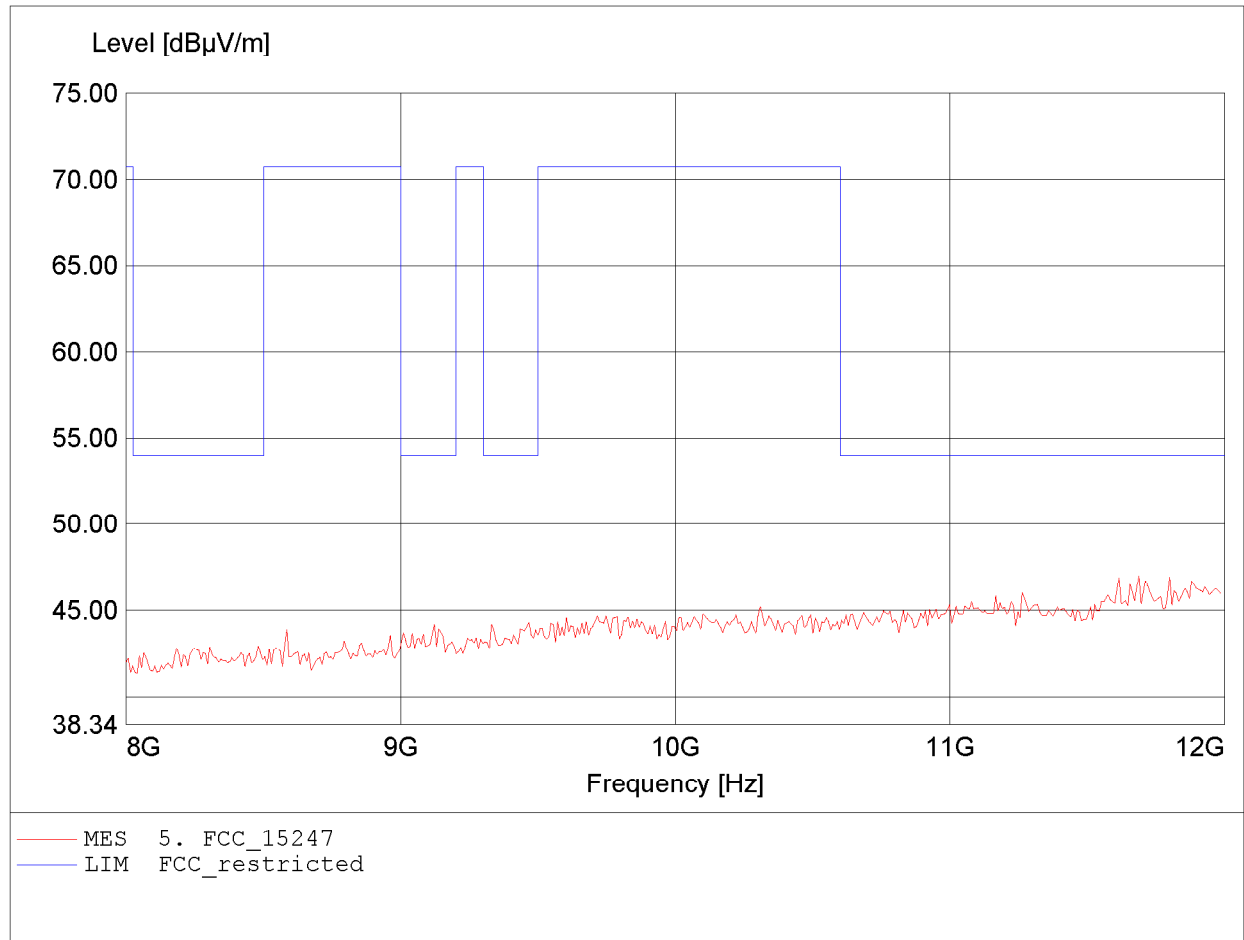
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.880GHz, Emax: 46.67dBµV/m, RBW: 1MHz



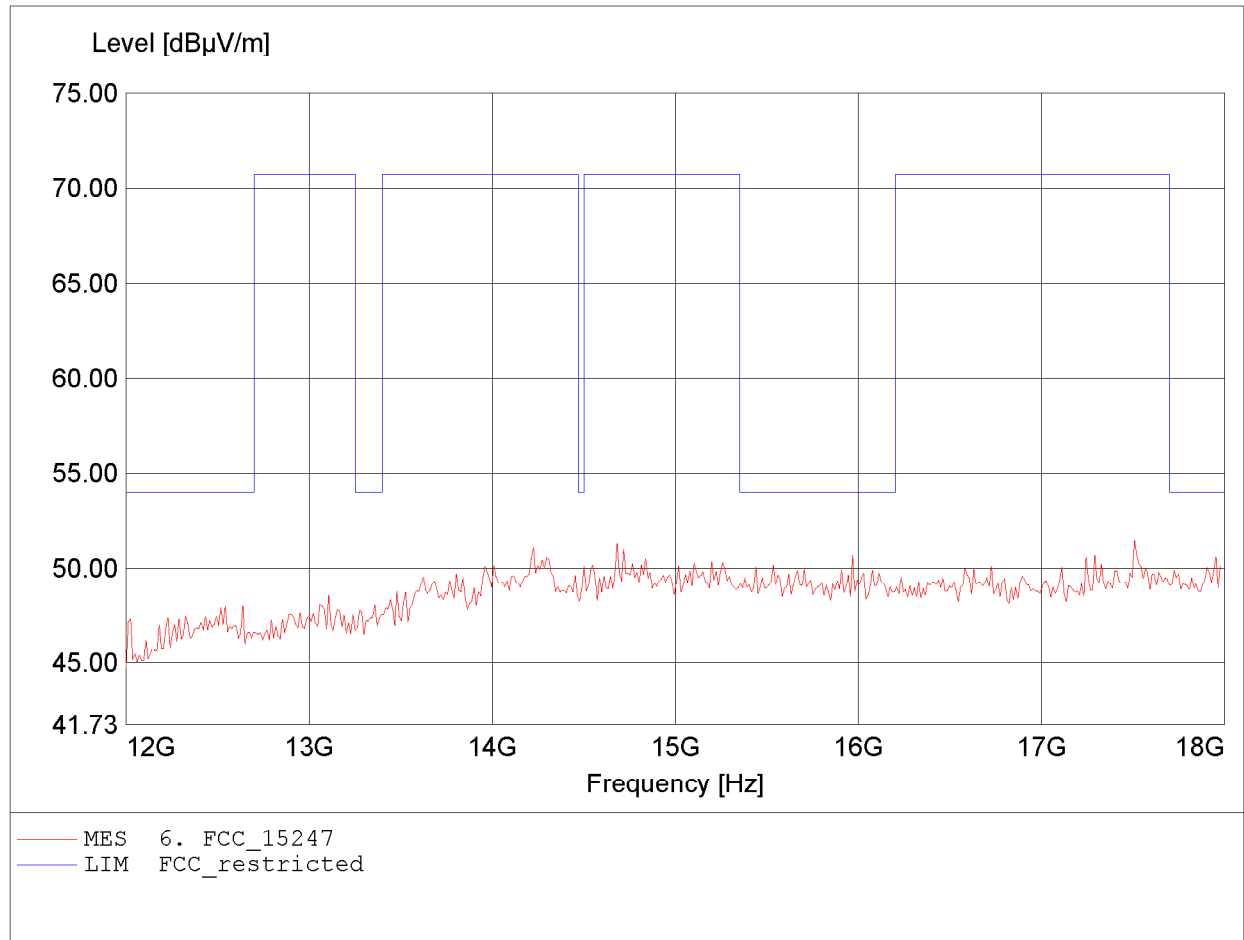
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.687GHz, Emax: 47.00dBµV/m, RBW: 1MHz



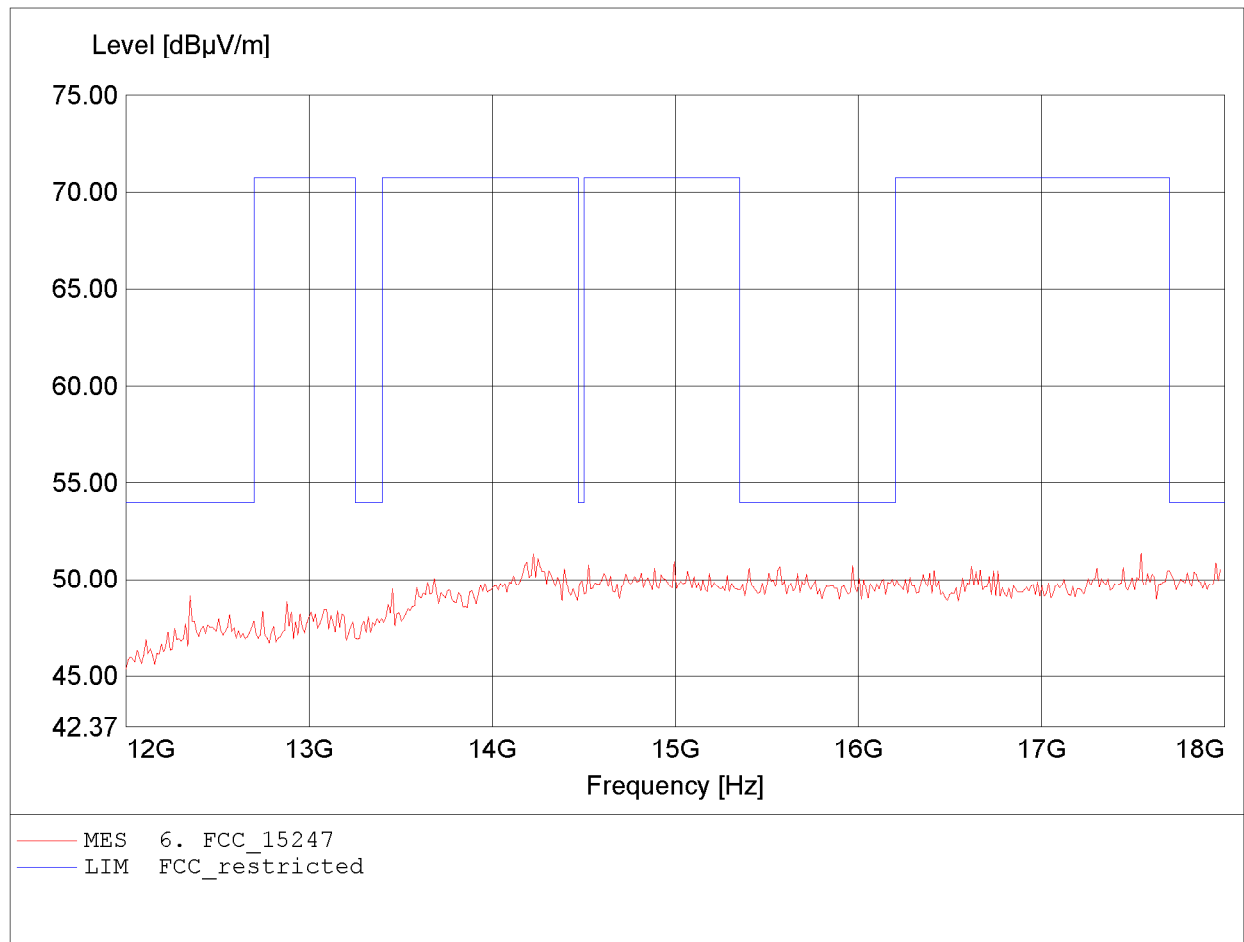
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.507GHz, Emax: 51.42dBµV/m, RBW: 1MHz



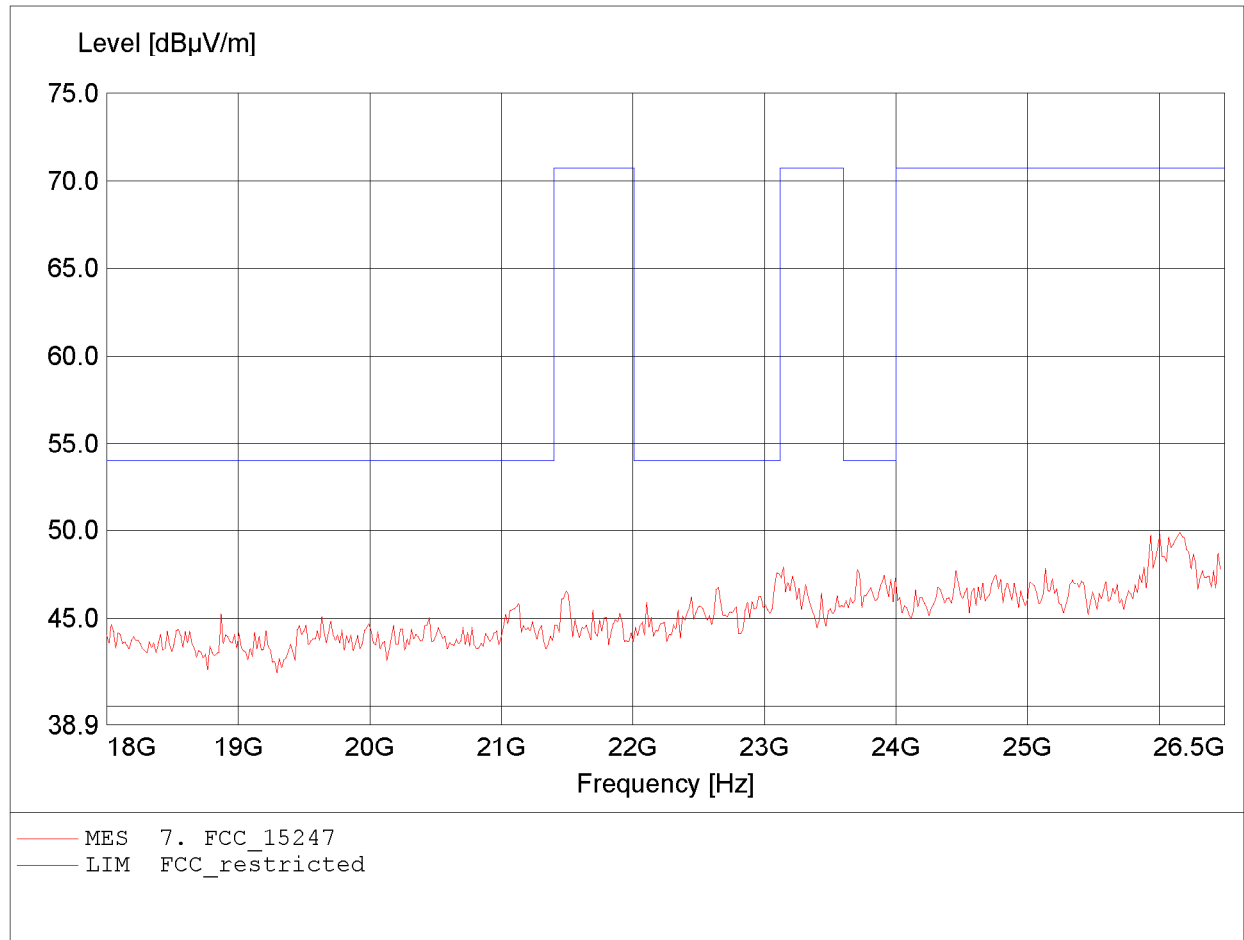
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.543GHz, Emax: 51.35dBµV/m, RBW: 1MHz



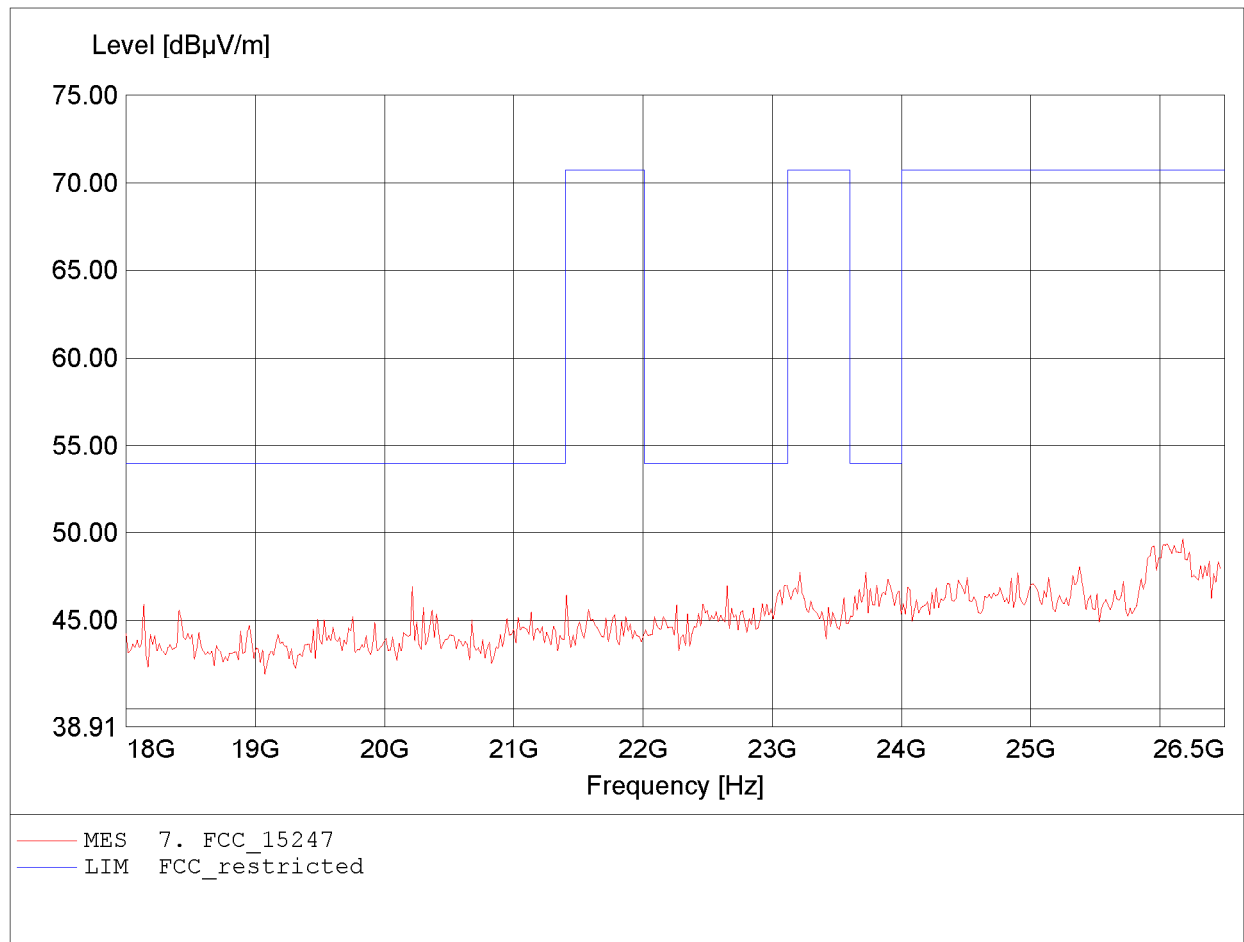
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.159GHz, Emax: 49.87dBµV/m, RBW: 1MHz



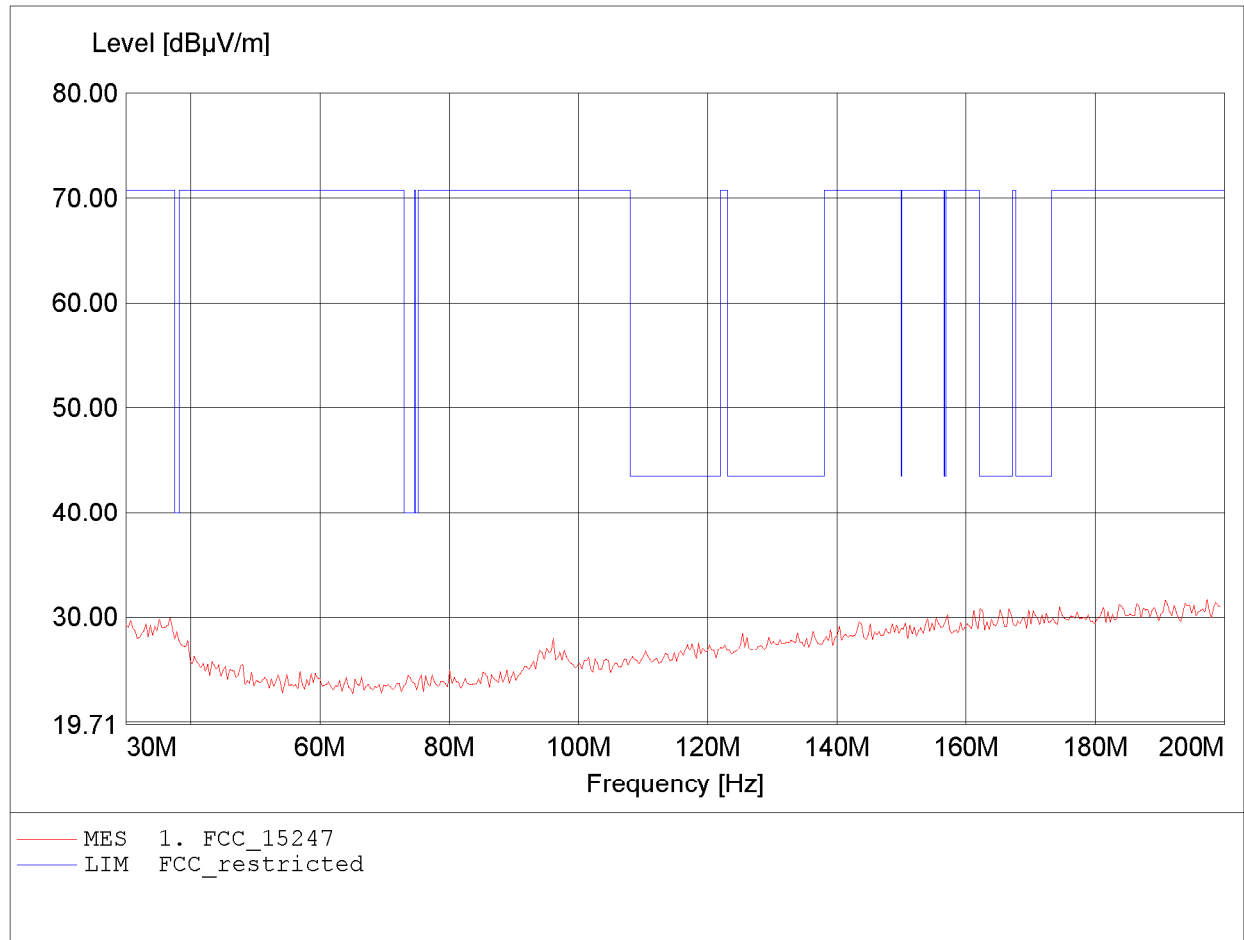
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2405 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.176GHz, Emax: 49.65dBµV/m, RBW: 1MHz



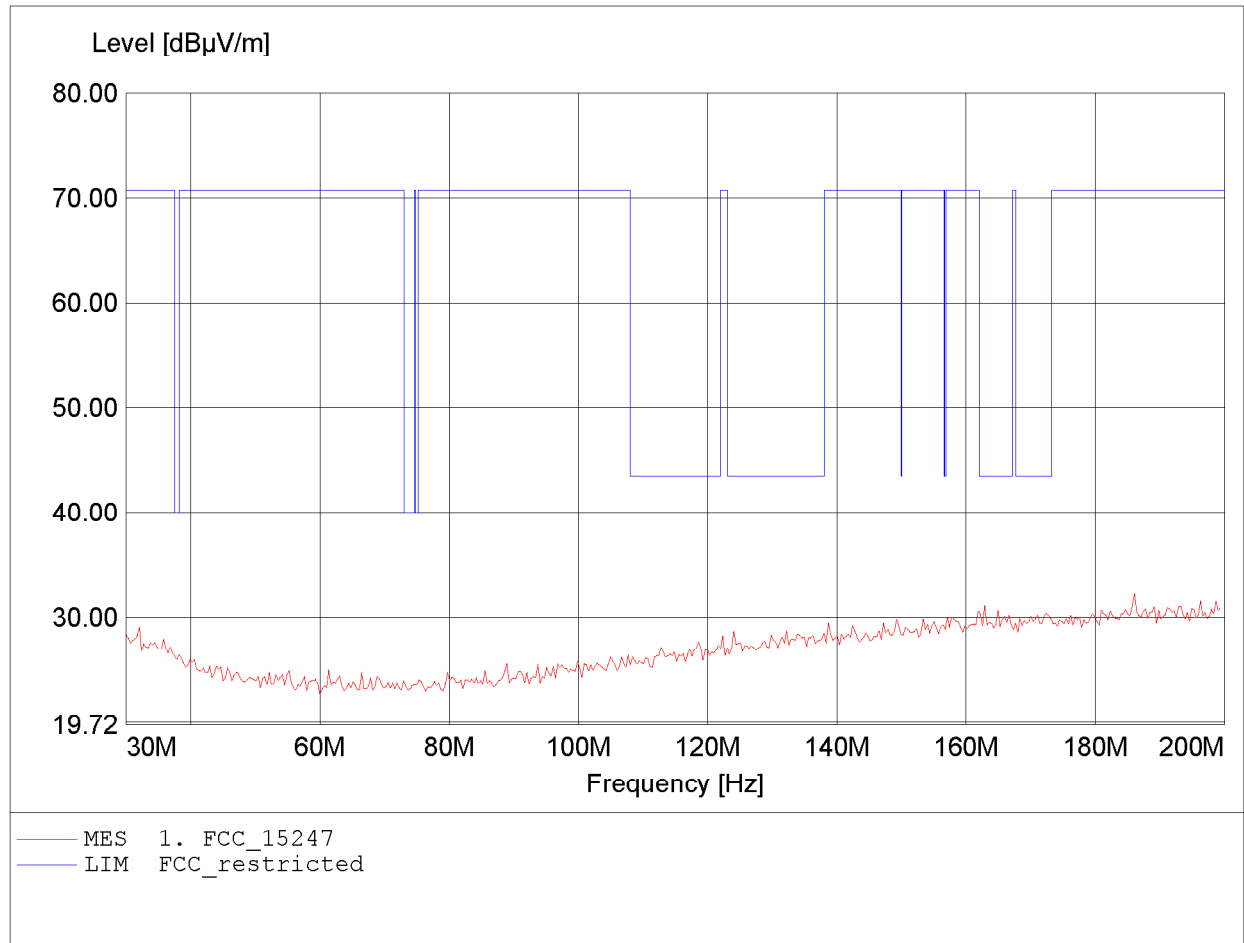
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.275MHz, Emax: 31.62dBµV/m, RBW: 100kHz



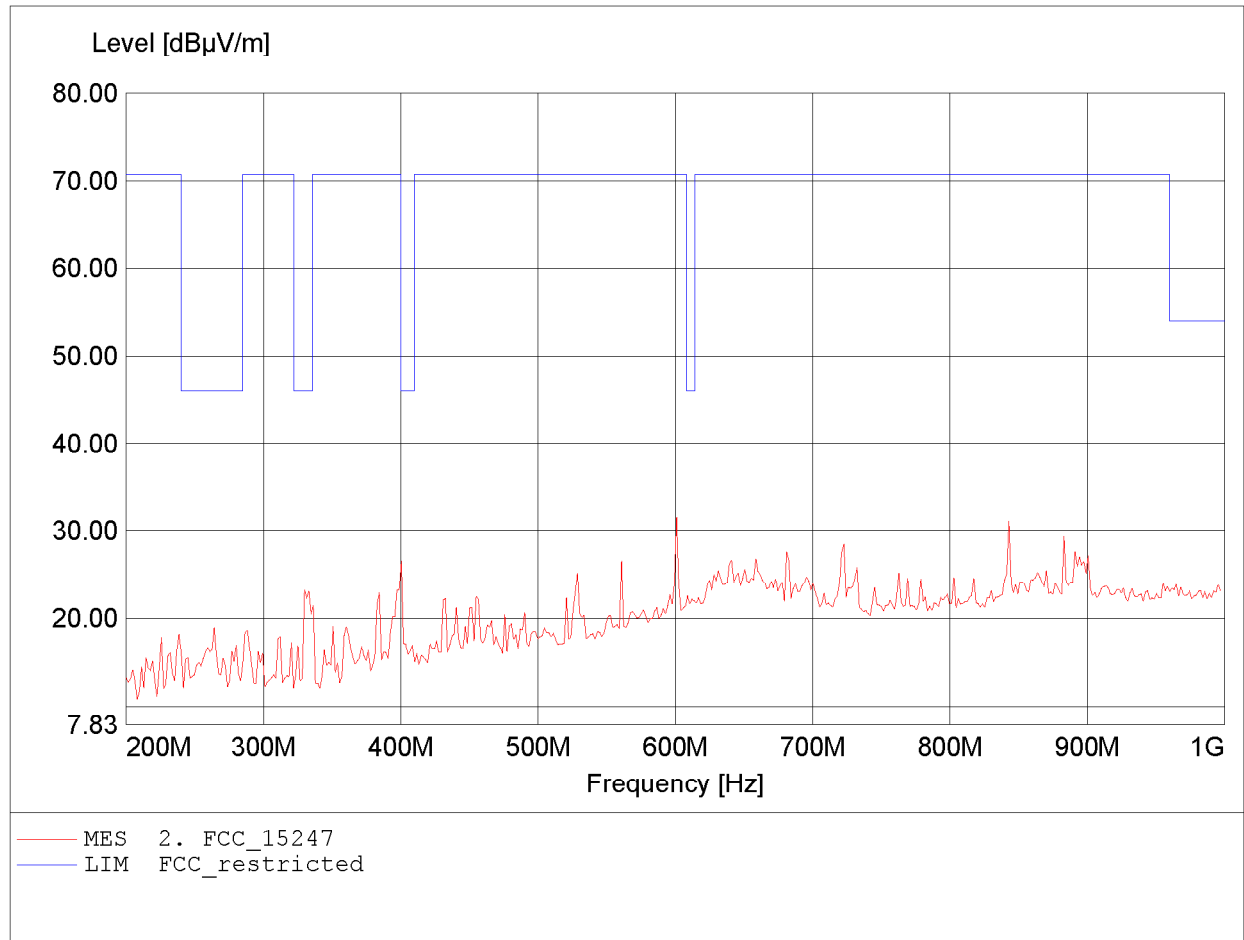
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 186.032MHz, Emax: 32.20dBµV/m, RBW: 100kHz



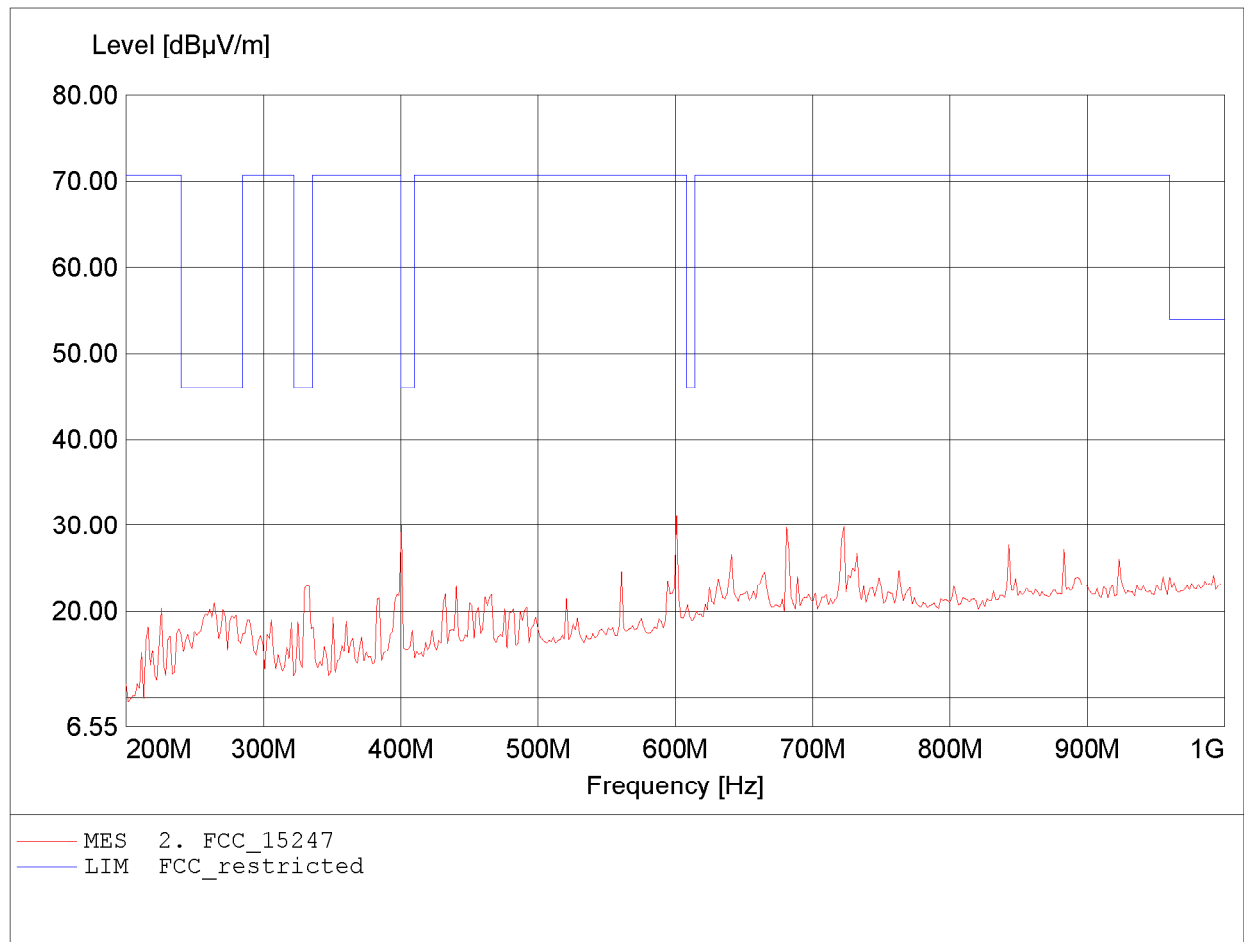
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 600.802MHz, Emax: 31.43dBµV/m, RBW: 100kHz



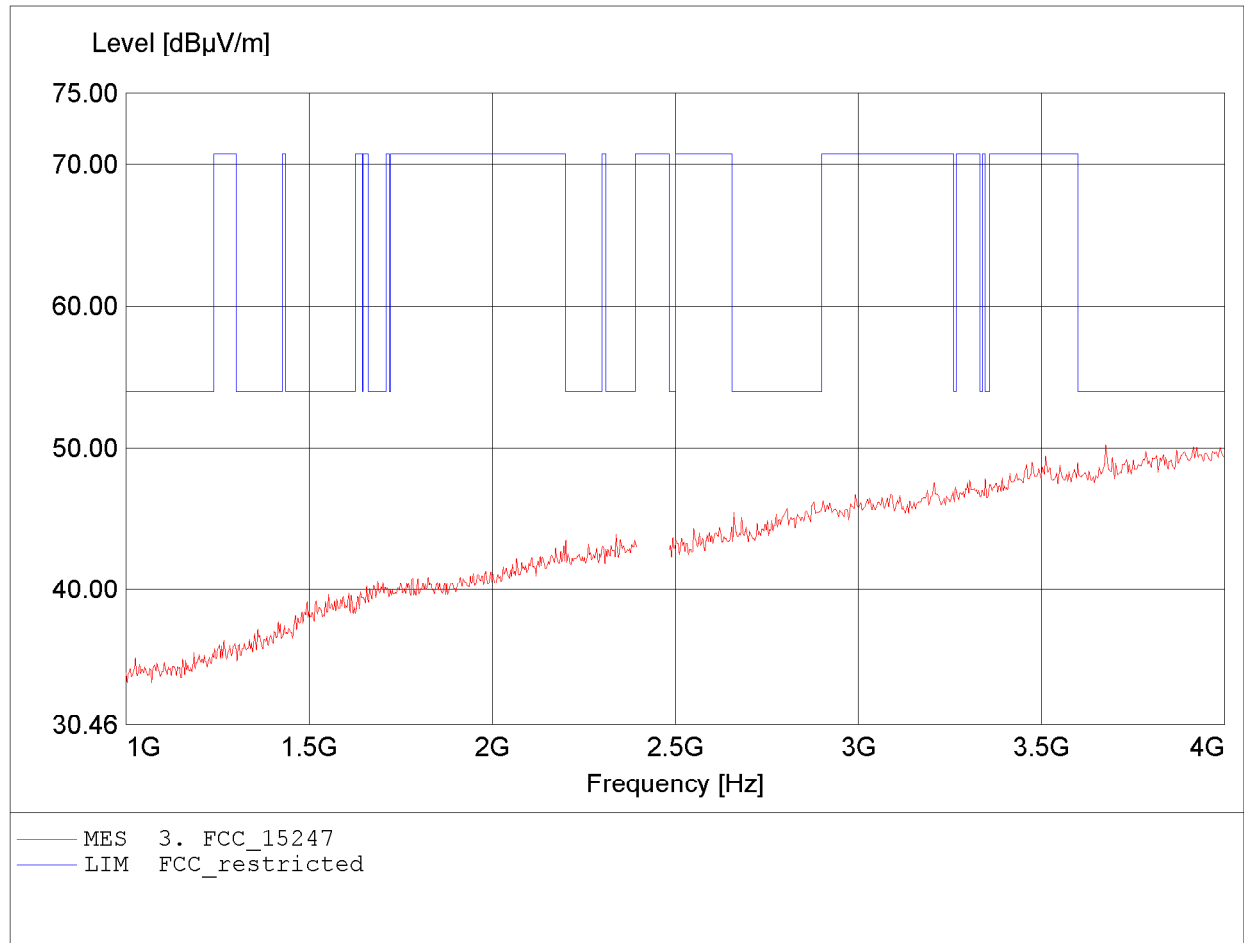
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 600.802MHz, Emax: 31.21dBµV/m, RBW: 100kHz



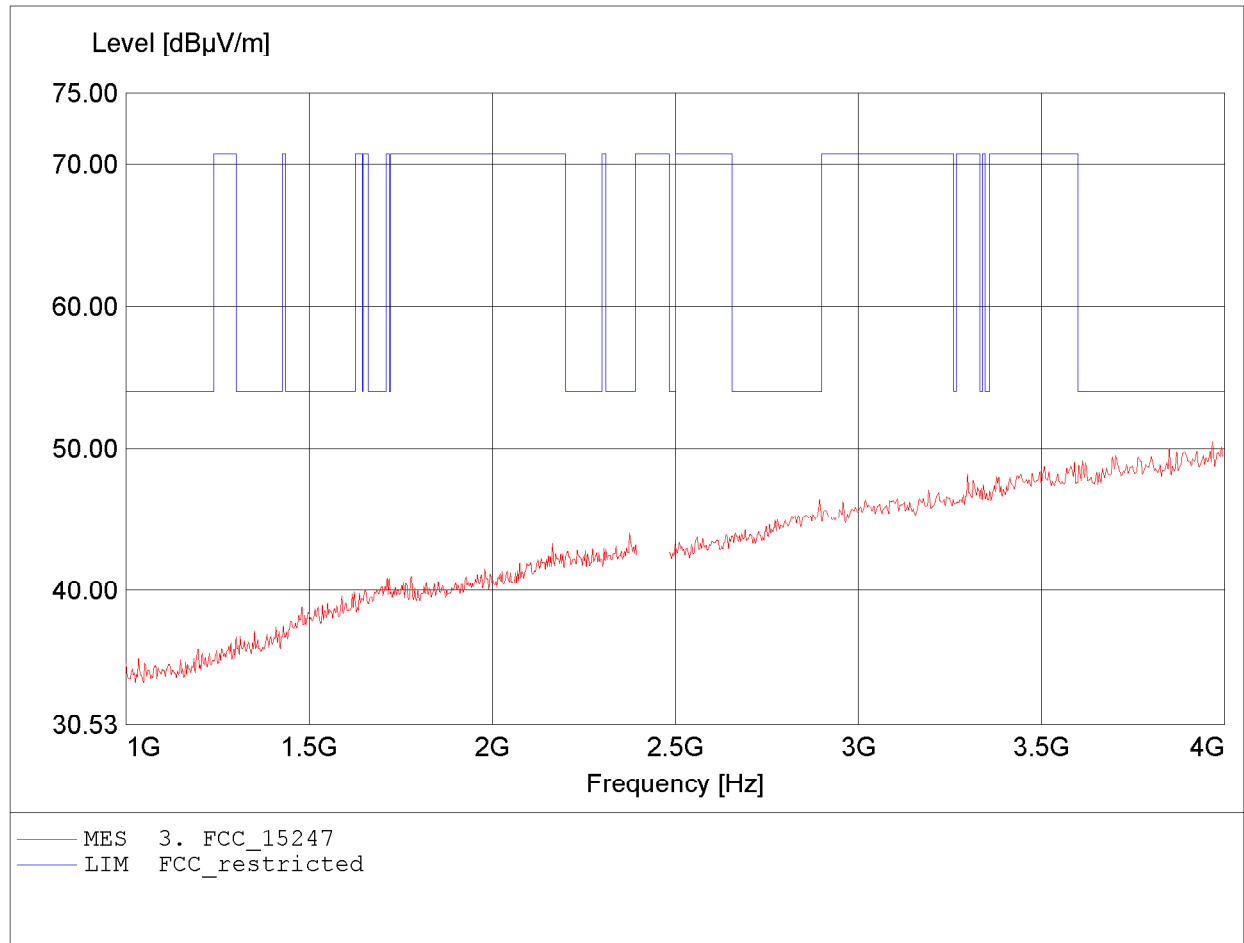
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.675GHz, Emax: 50.23dBµV/m, RBW: 1MHz



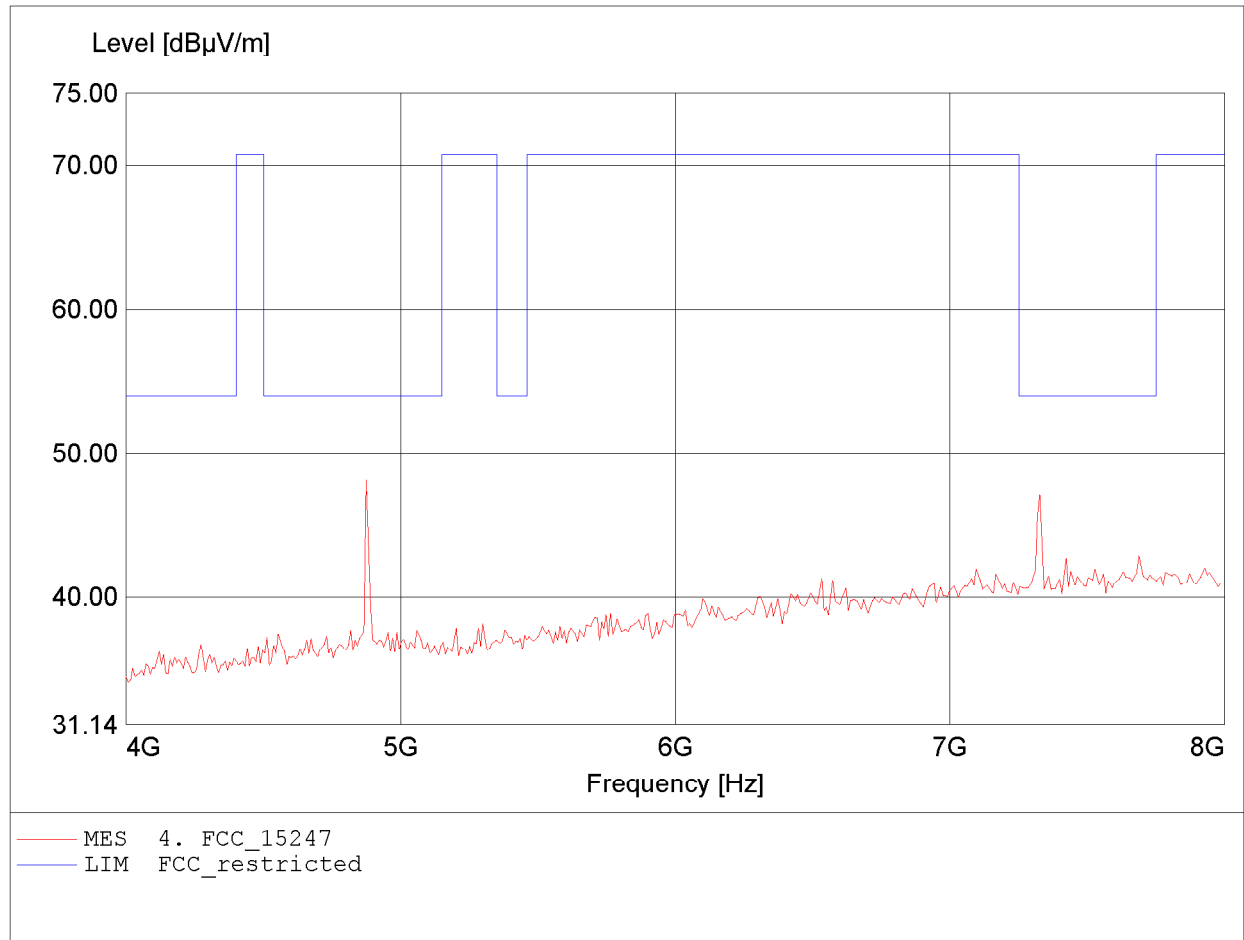
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.967GHz, Emax: 50.49dBµV/m, RBW: 1MHz



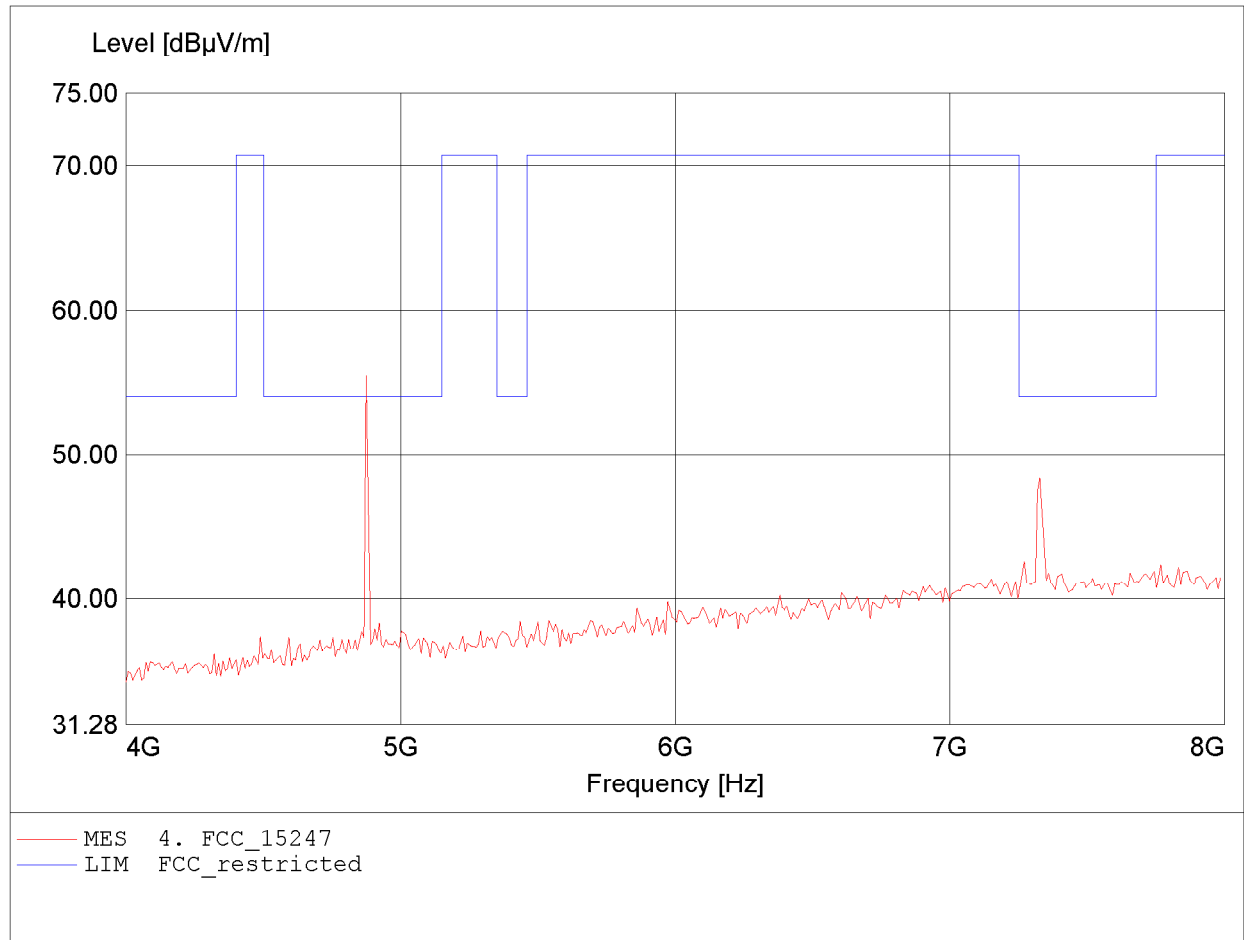
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.874GHz, Emax: 48.19dBµV/m, RBW: 1MHz



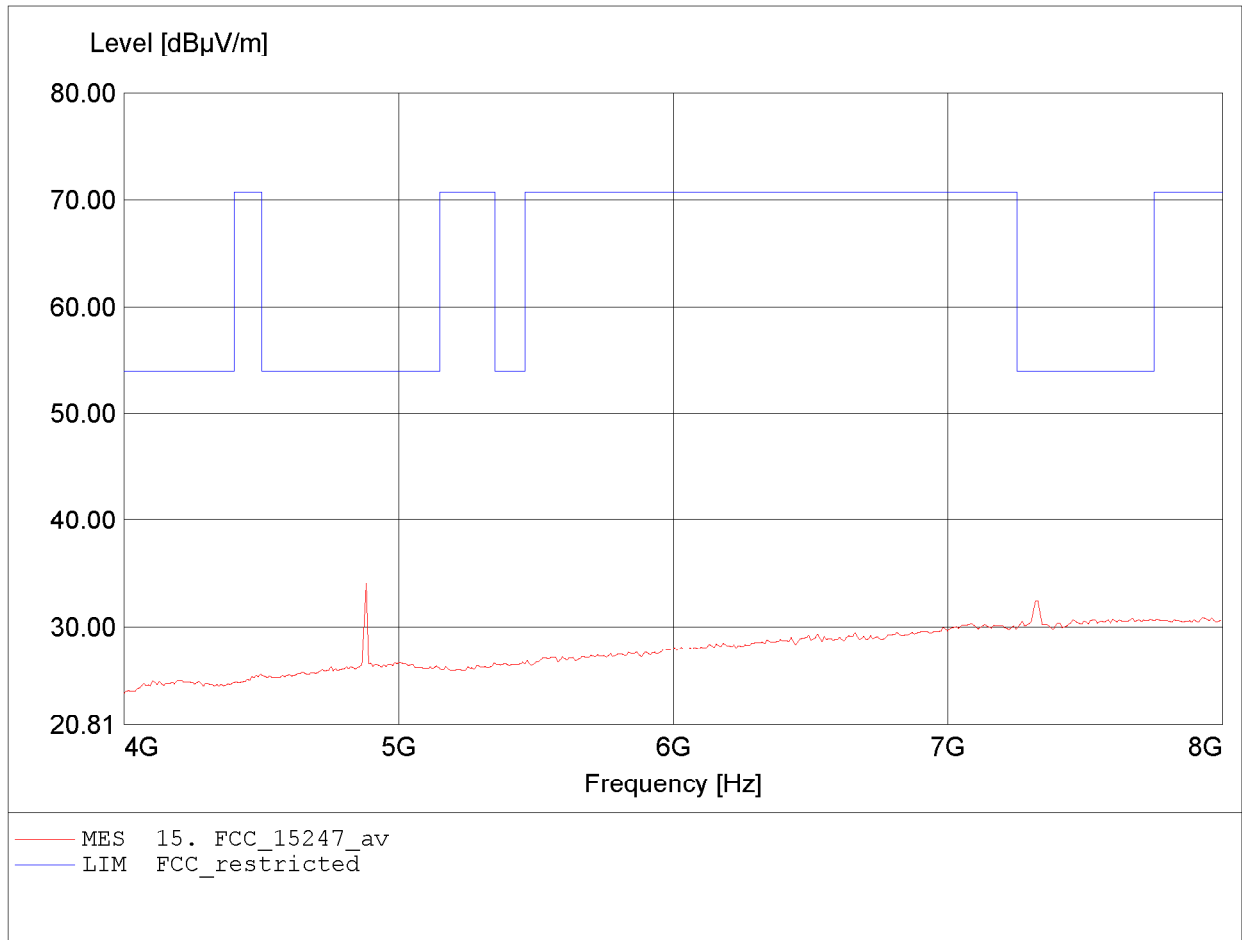
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.874GHz, Emax: 55.47dBµV/m, RBW: 1MHz



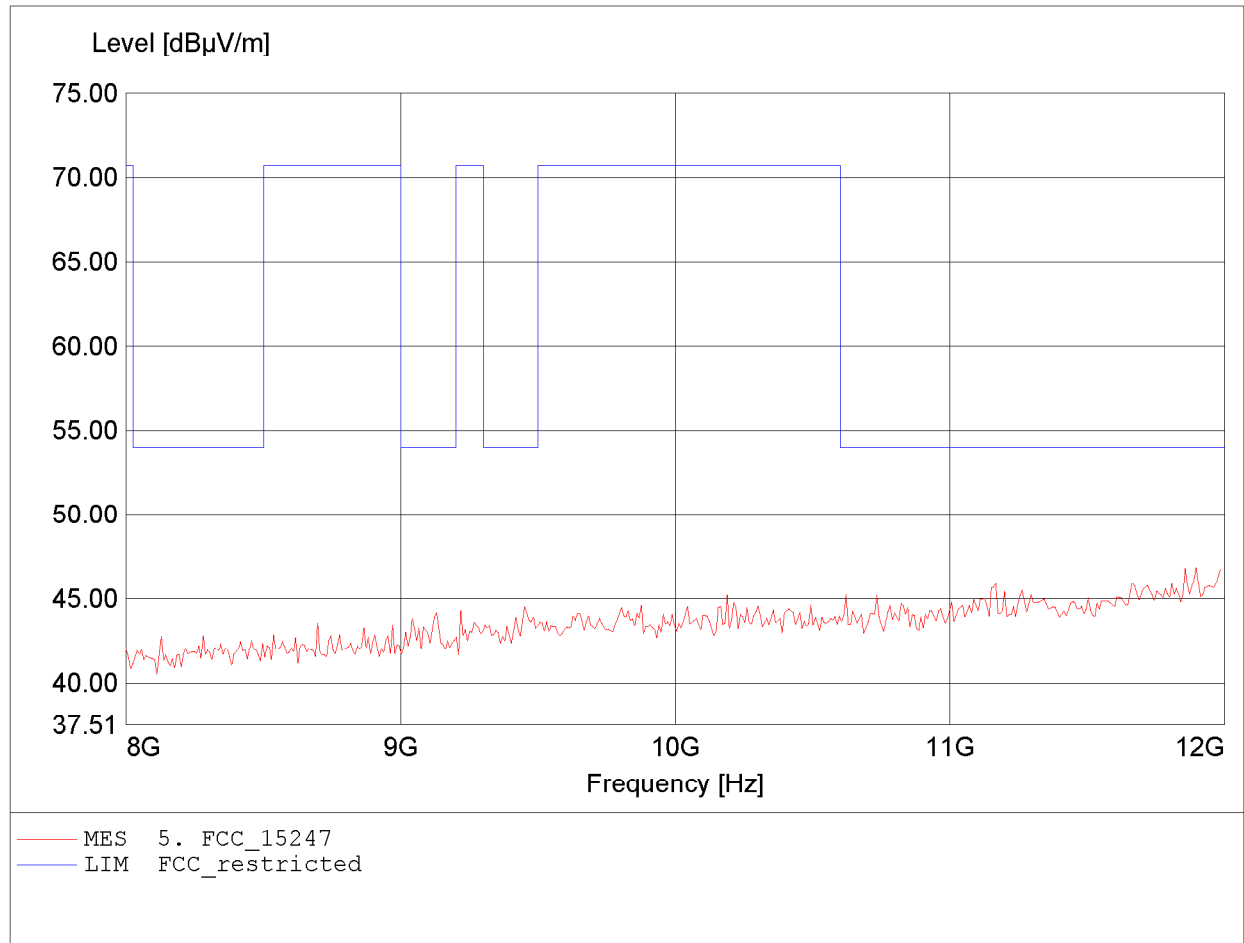
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 34.09dBµV/m, RBW: 1MHz



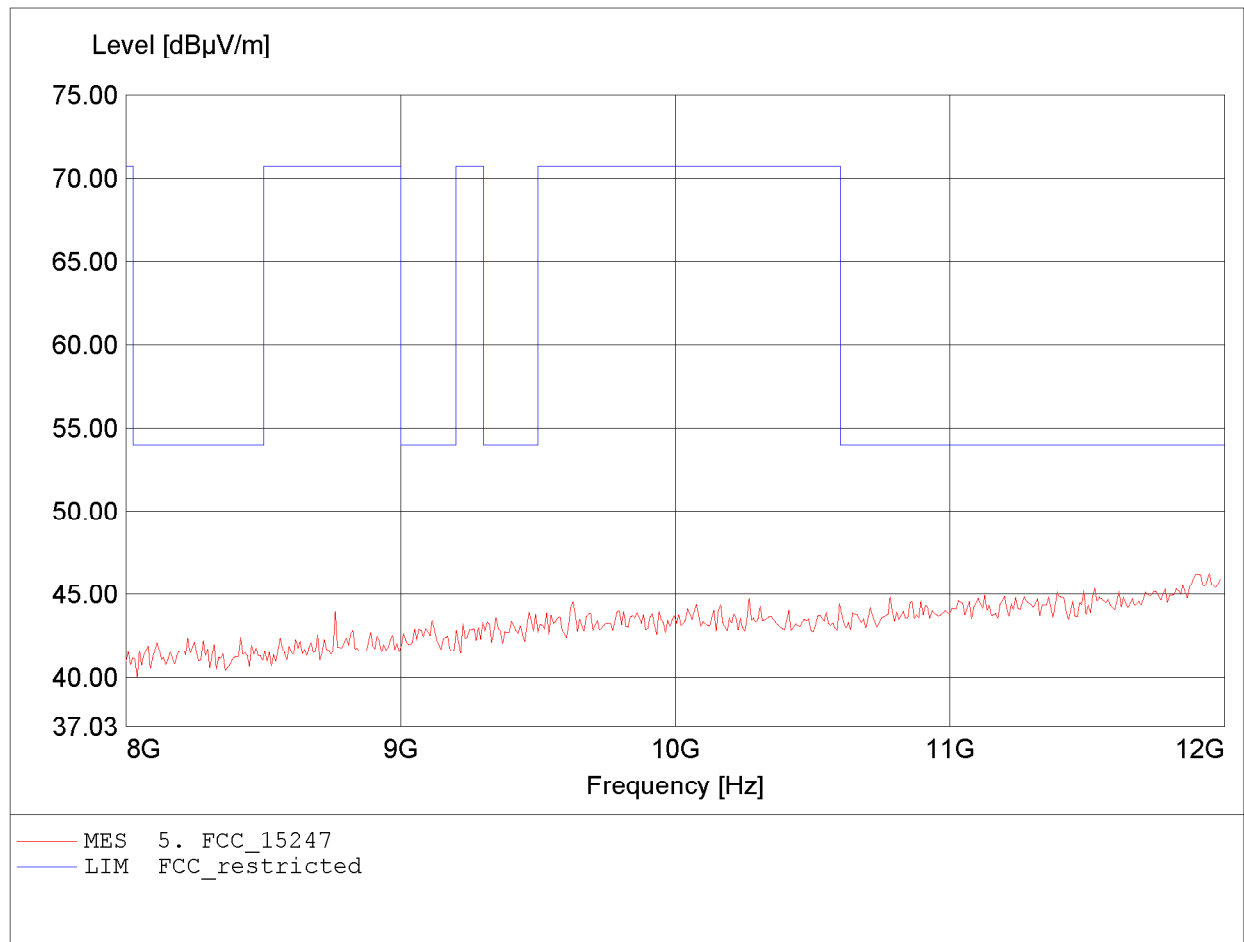
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.896GHz, Emax: 46.87dBµV/m, RBW: 1MHz



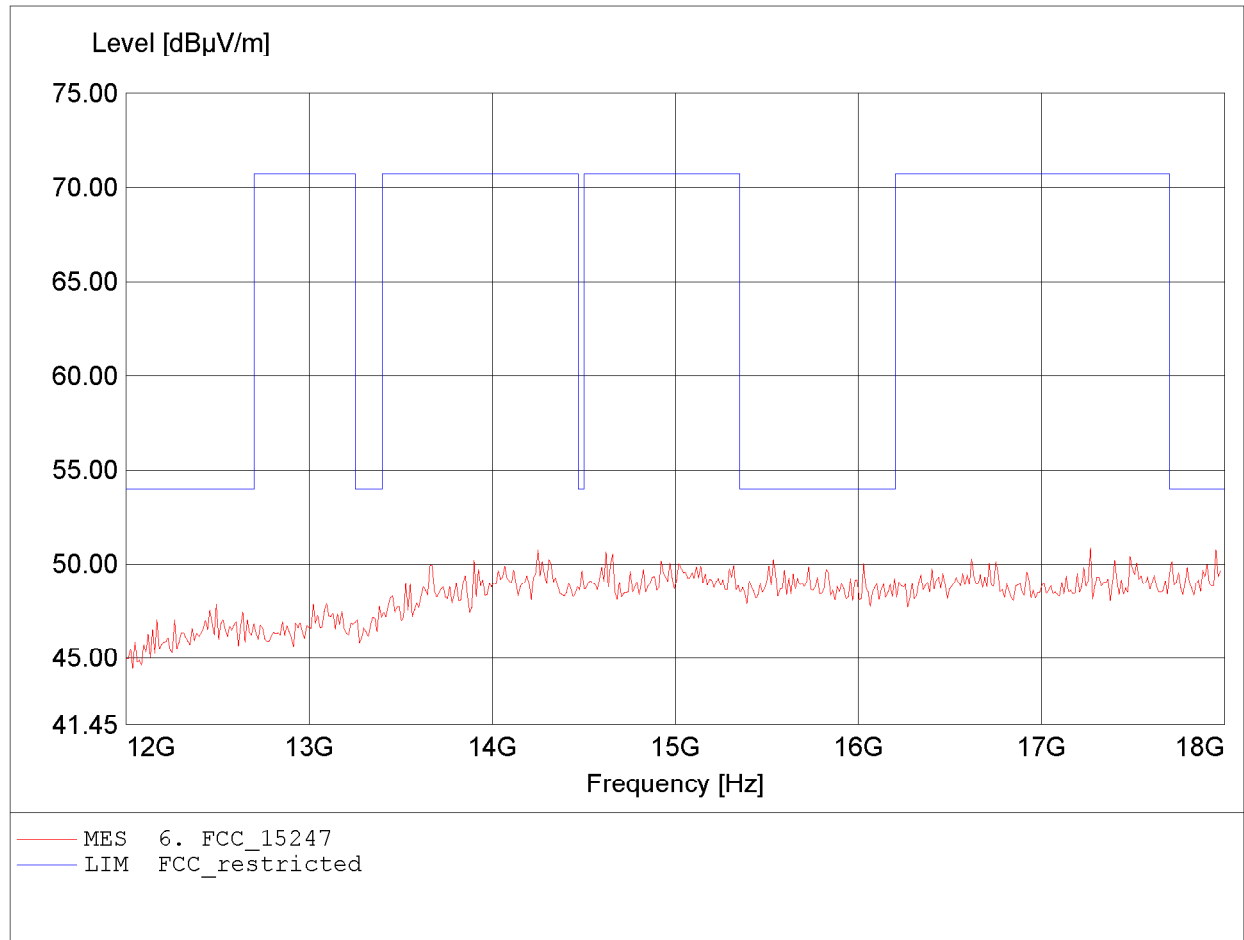
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.944GHz, Emax: 46.27dBµV/m, RBW: 1MHz



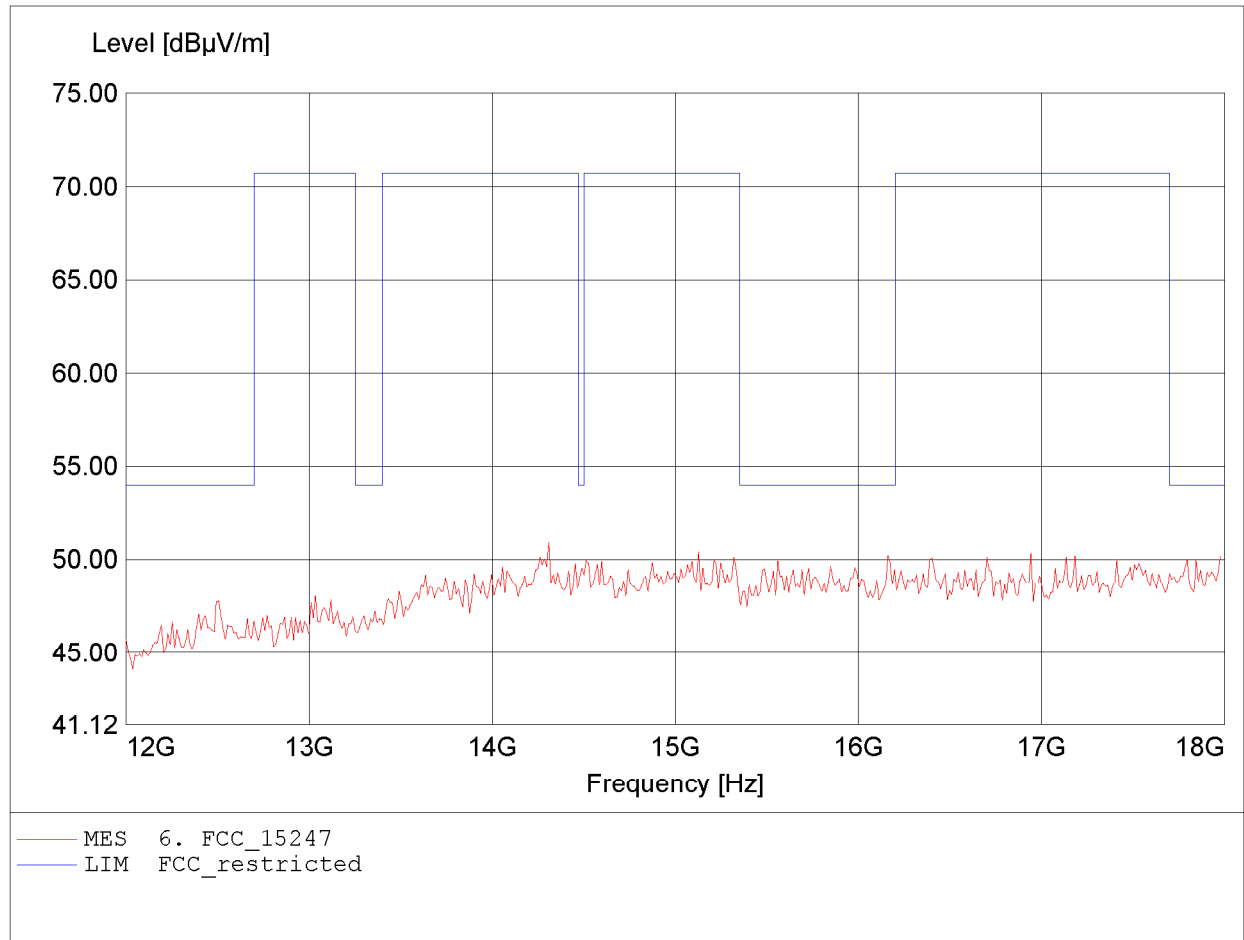
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.267GHz, Emax: 50.83dBµV/m, RBW: 1MHz



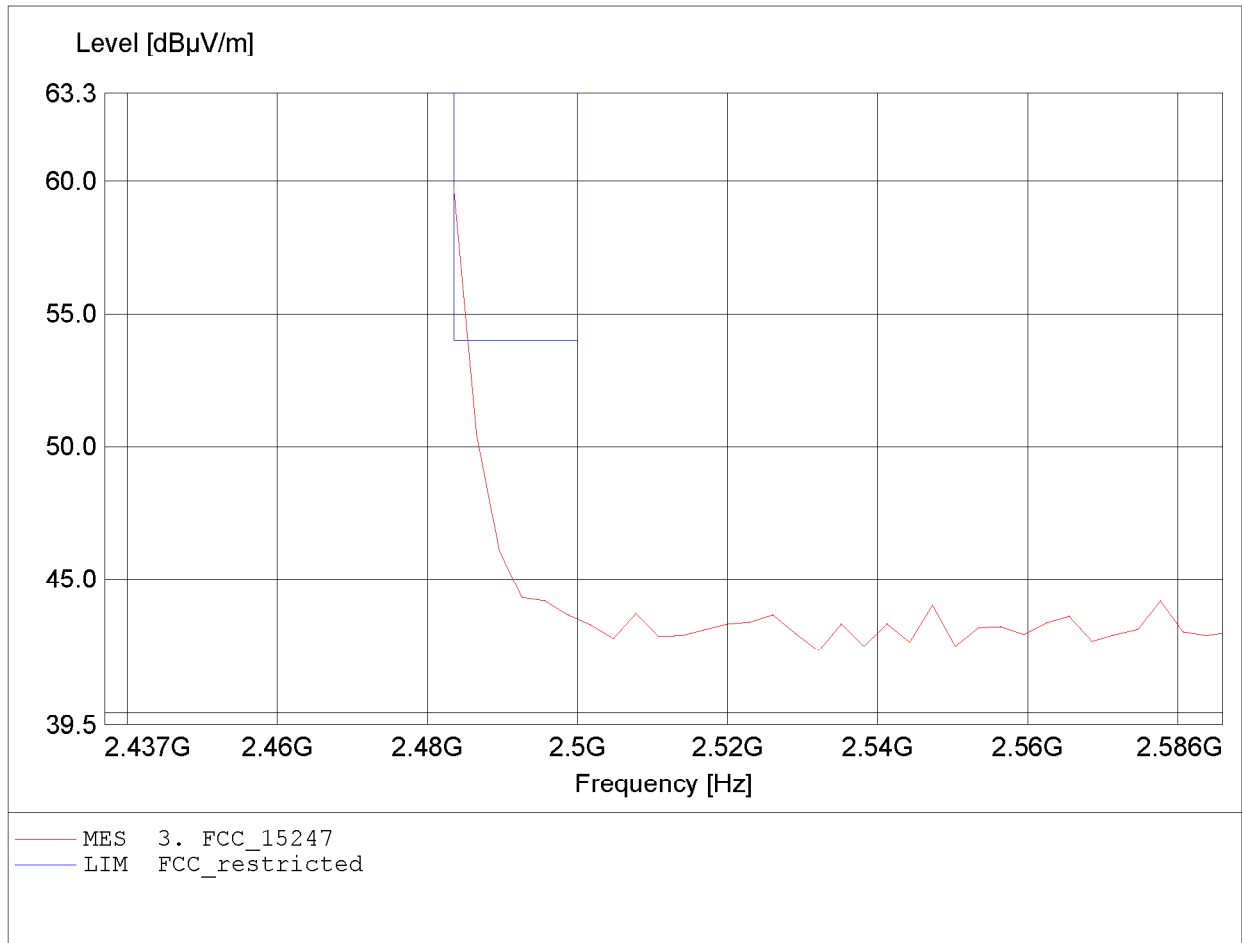
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 14.309GHz, Emax: 50.93dBµV/m, RBW: 1MHz



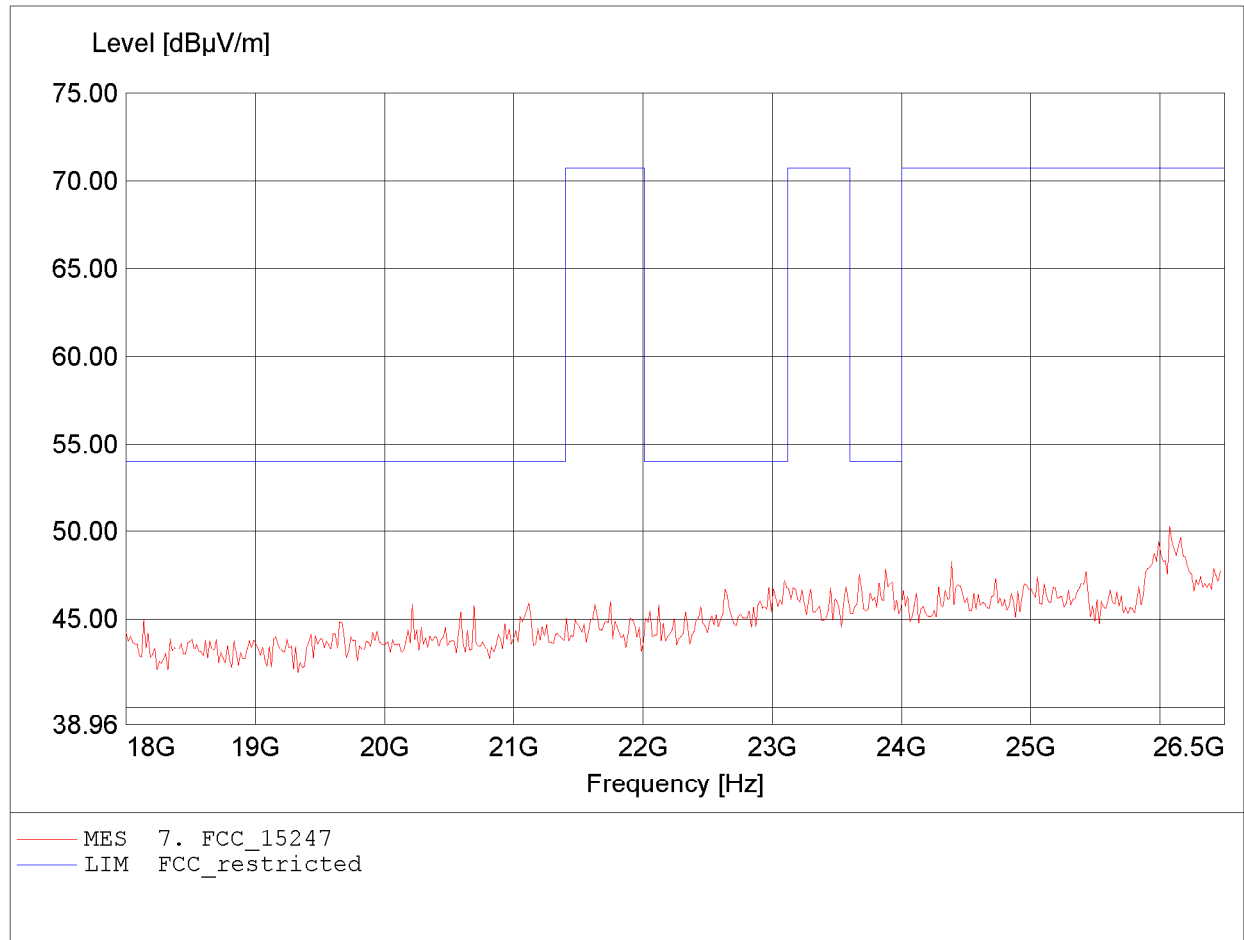
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 2.484GHz, Emax: 59.77dBµV/m, RBW: 1MHz



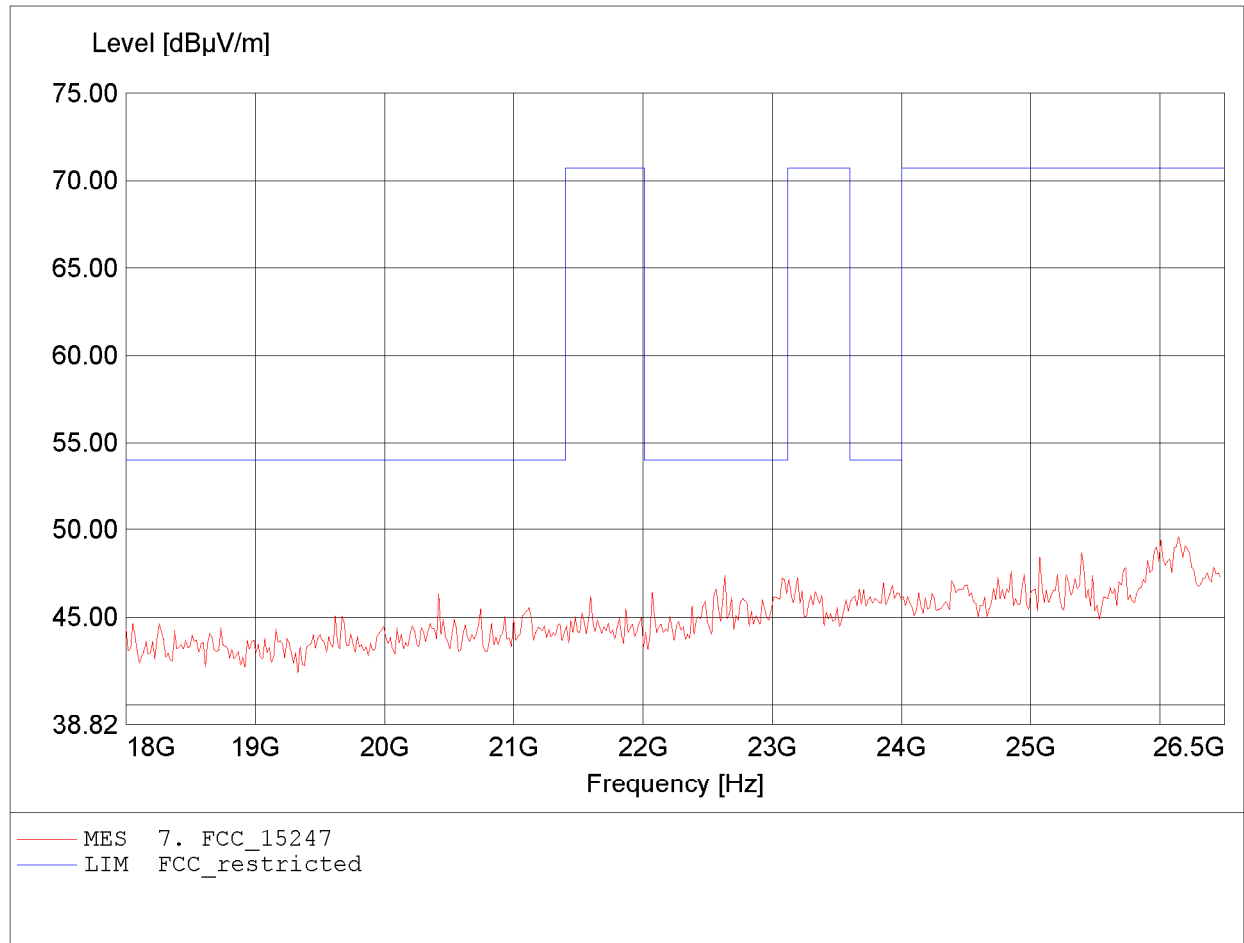
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.074GHz, Emax: 50.27dBµV/m, RBW: 1MHz



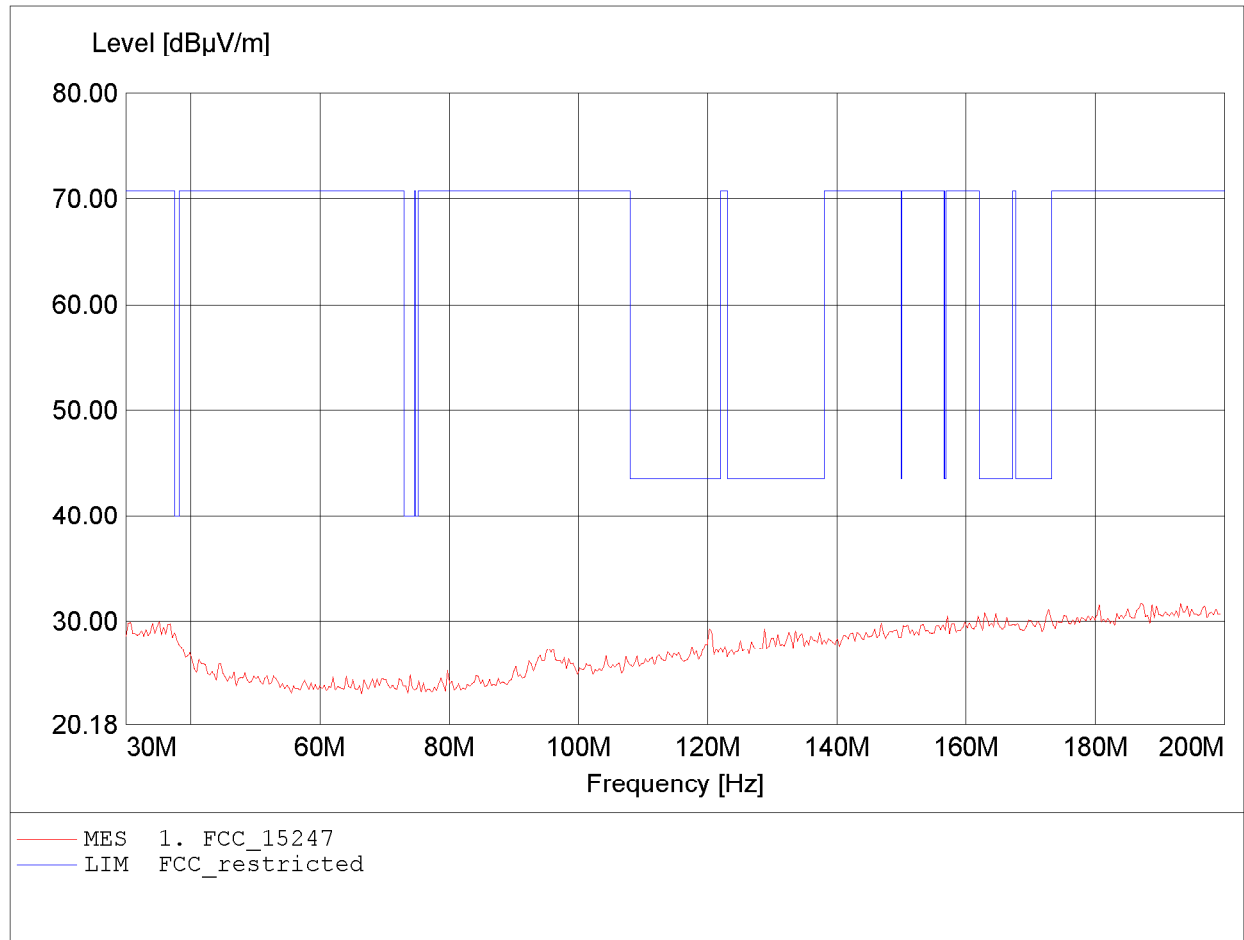
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2440 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.142GHz, Emax: 49.58dBµV/m, RBW: 1MHz



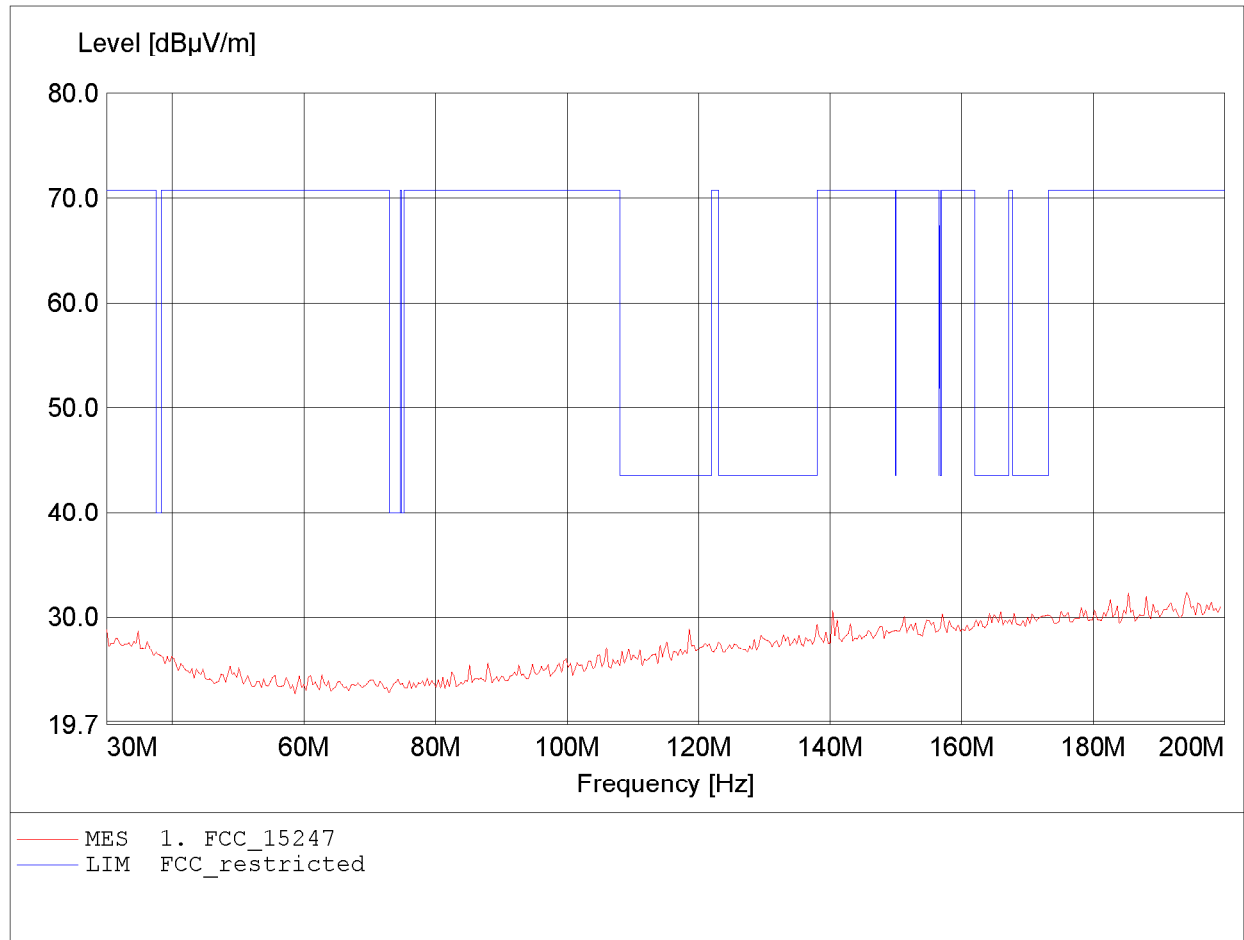
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 187.054MHz, Emax: 31.67dBµV/m, RBW: 100kHz



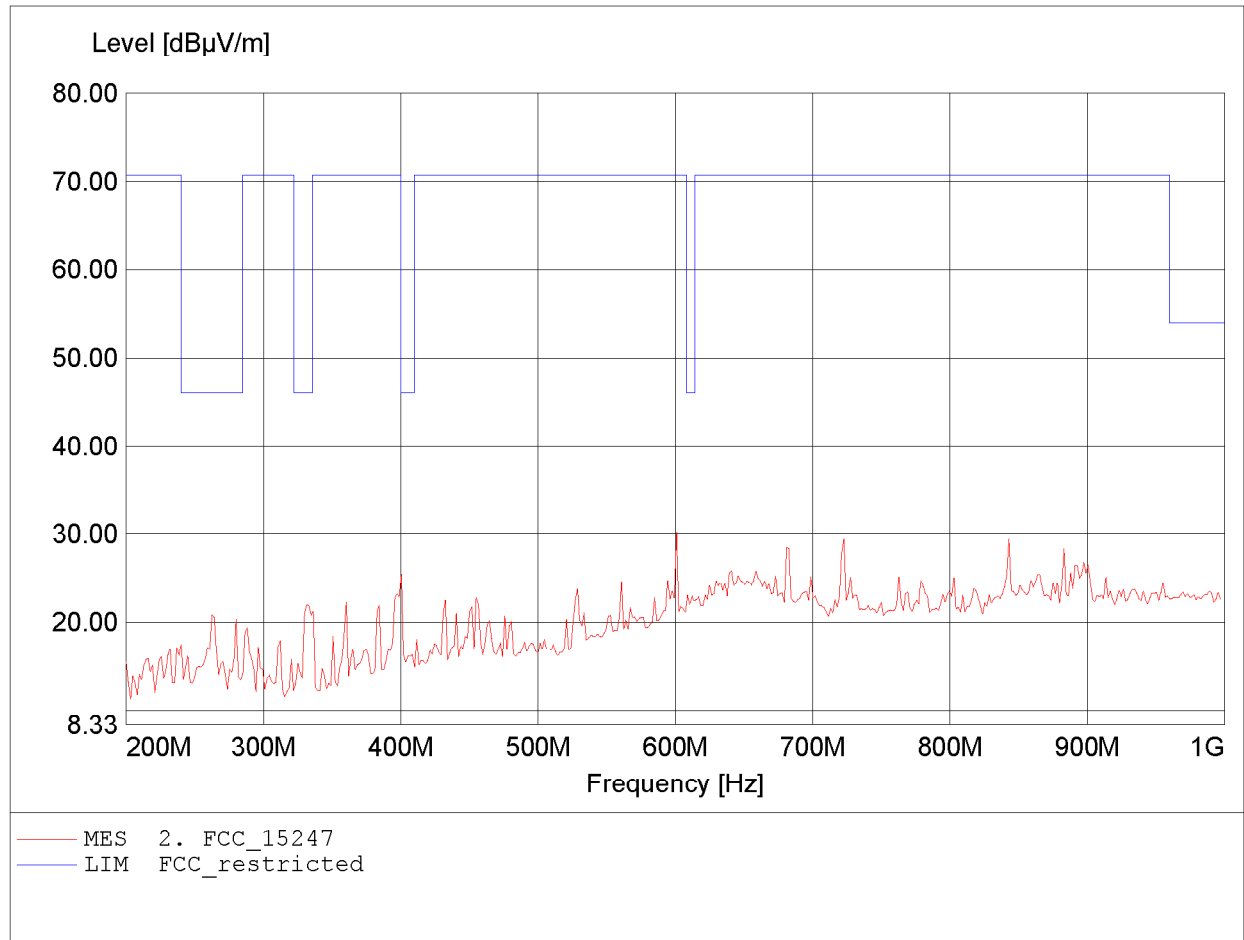
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 194.208MHz, Emax: 32.31dBµV/m, RBW: 100kHz



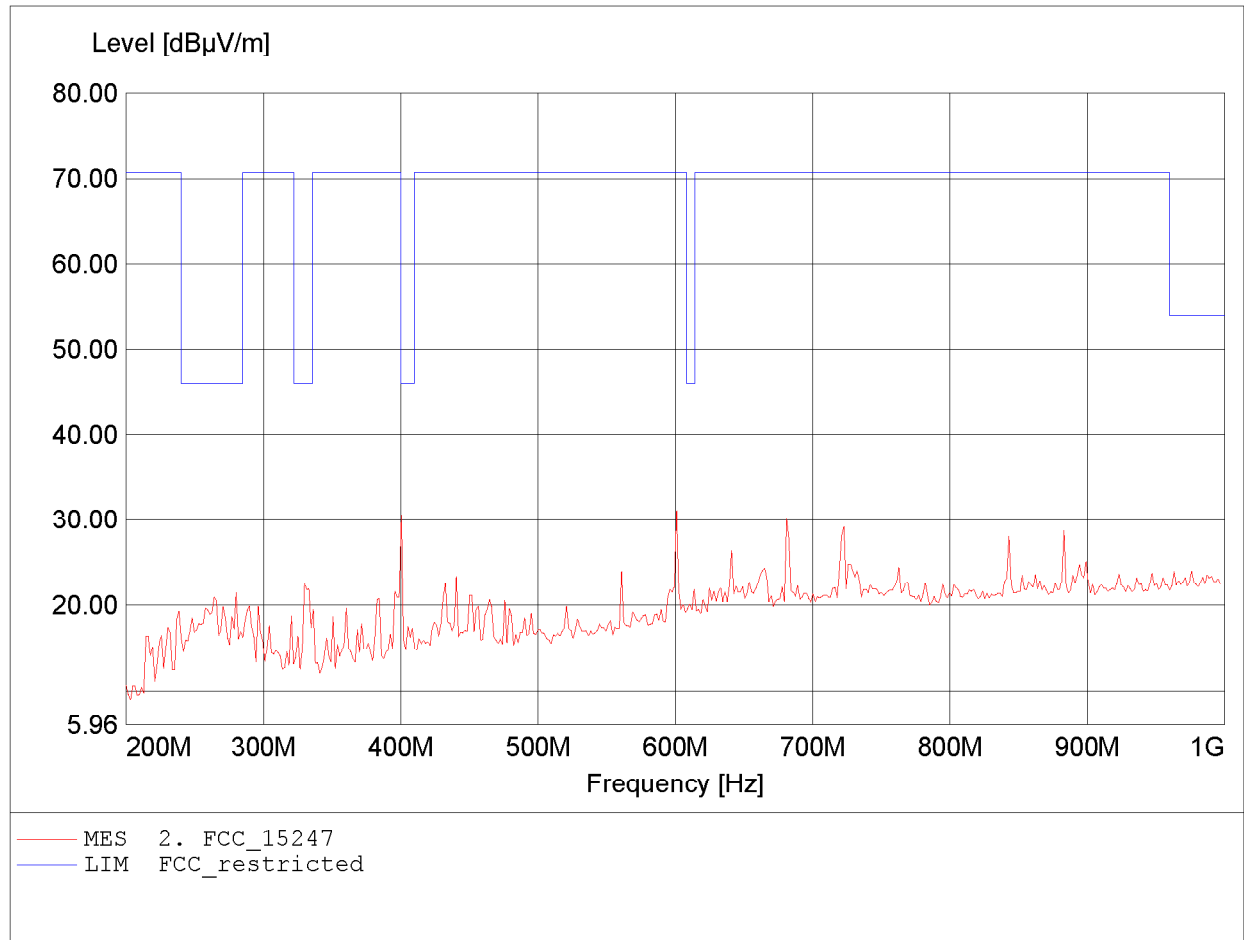
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 600.802MHz, Emax: 30.13dBµV/m, RBW: 100kHz



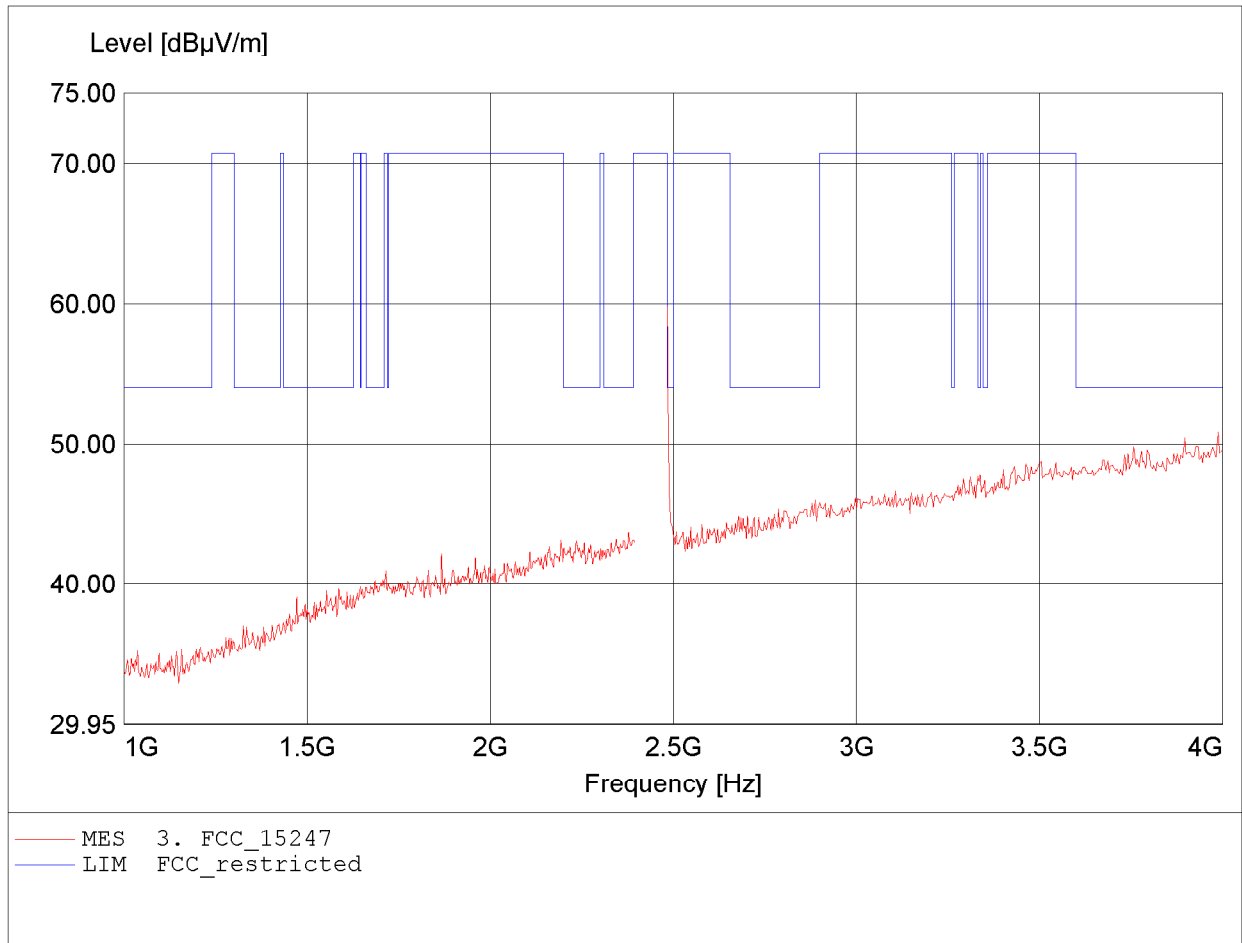
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 600.802MHz, Emax: 31.13dBµV/m, RBW: 100kHz



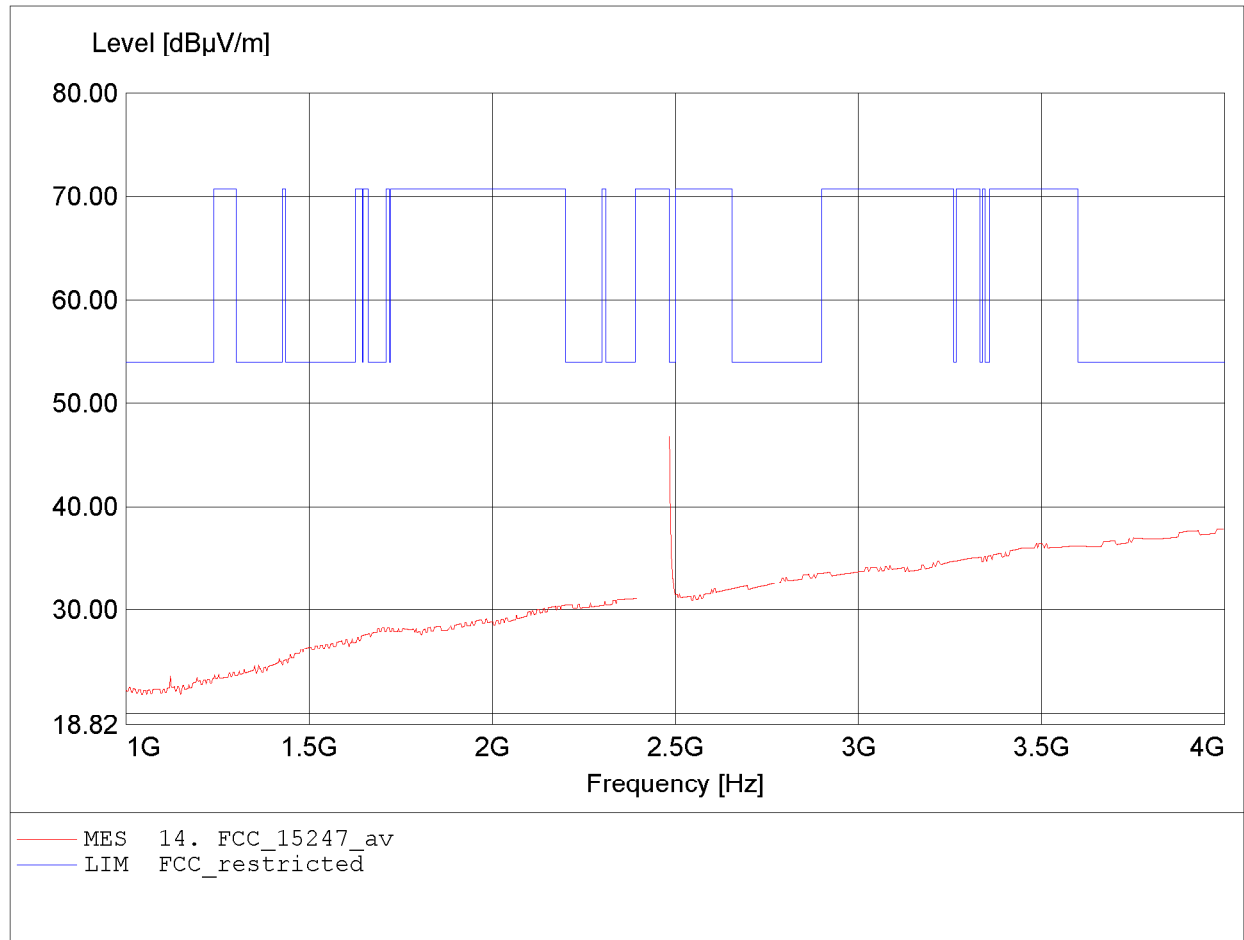
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 2.484GHz, Emax: 59.77dBµV/m, RBW: 1MHz



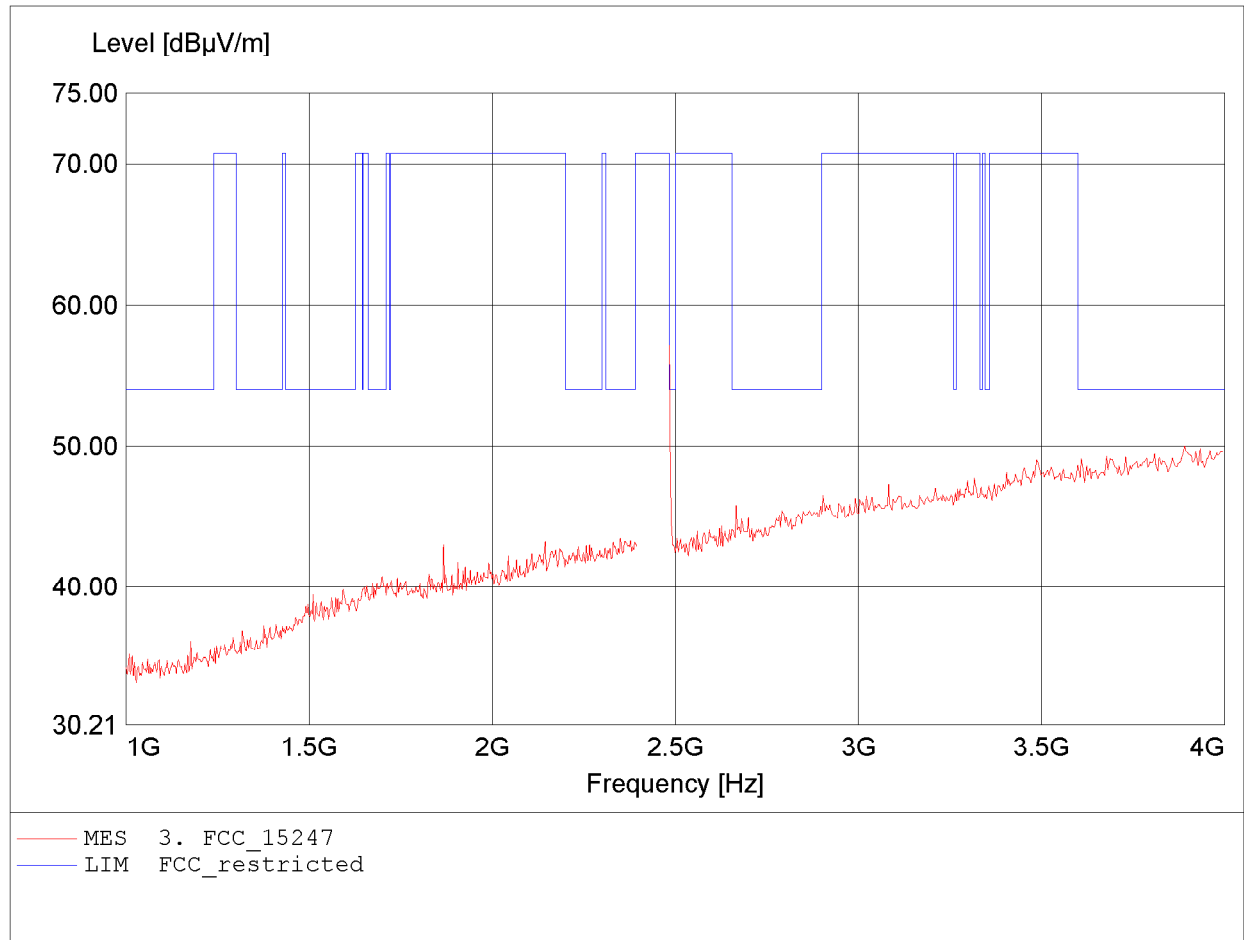
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 2.484GHz, Emax: 46.79dBµV/m, RBW: 1MHz



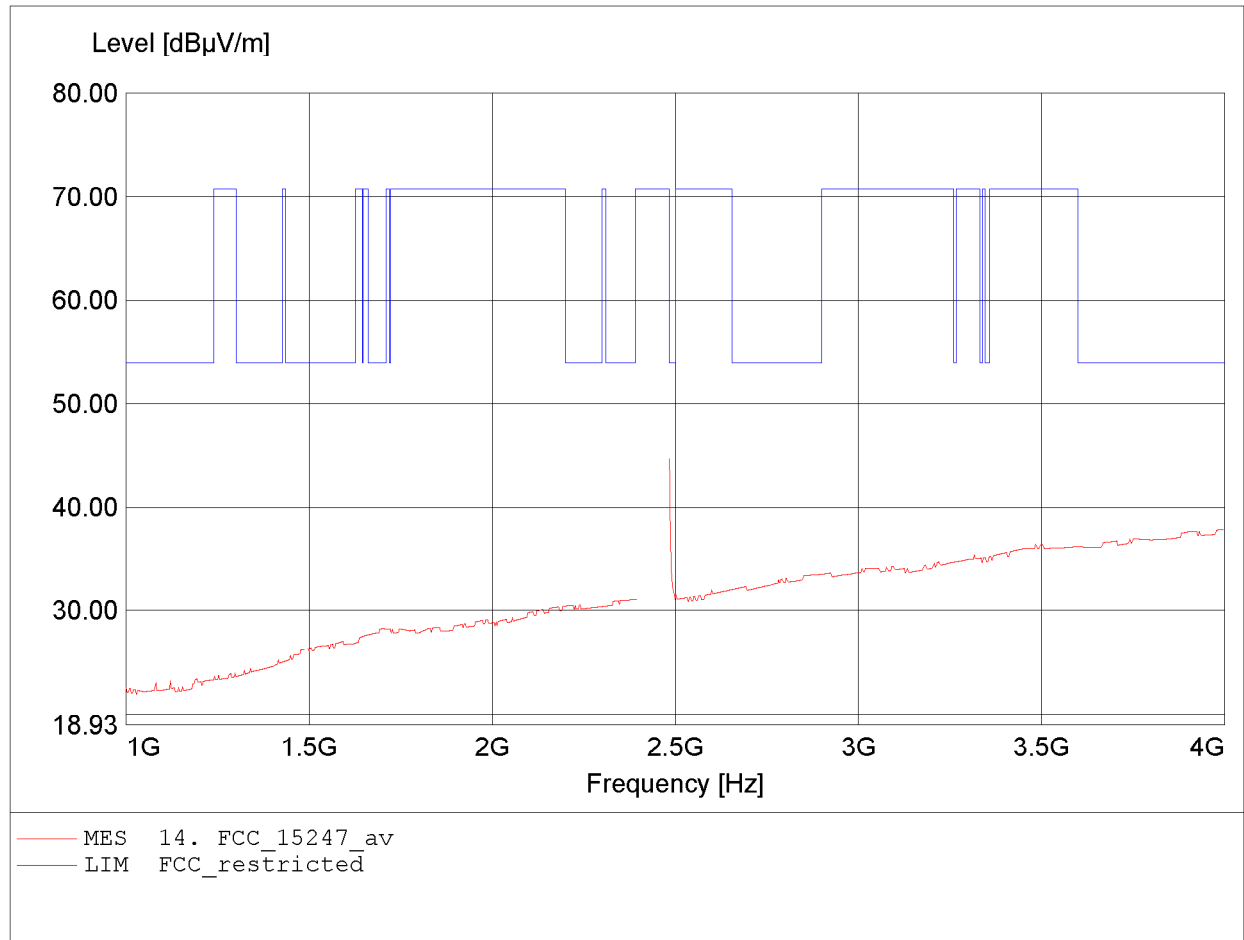
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 2.484GHz, Emax: 57.15dBµV/m, RBW: 1MHz



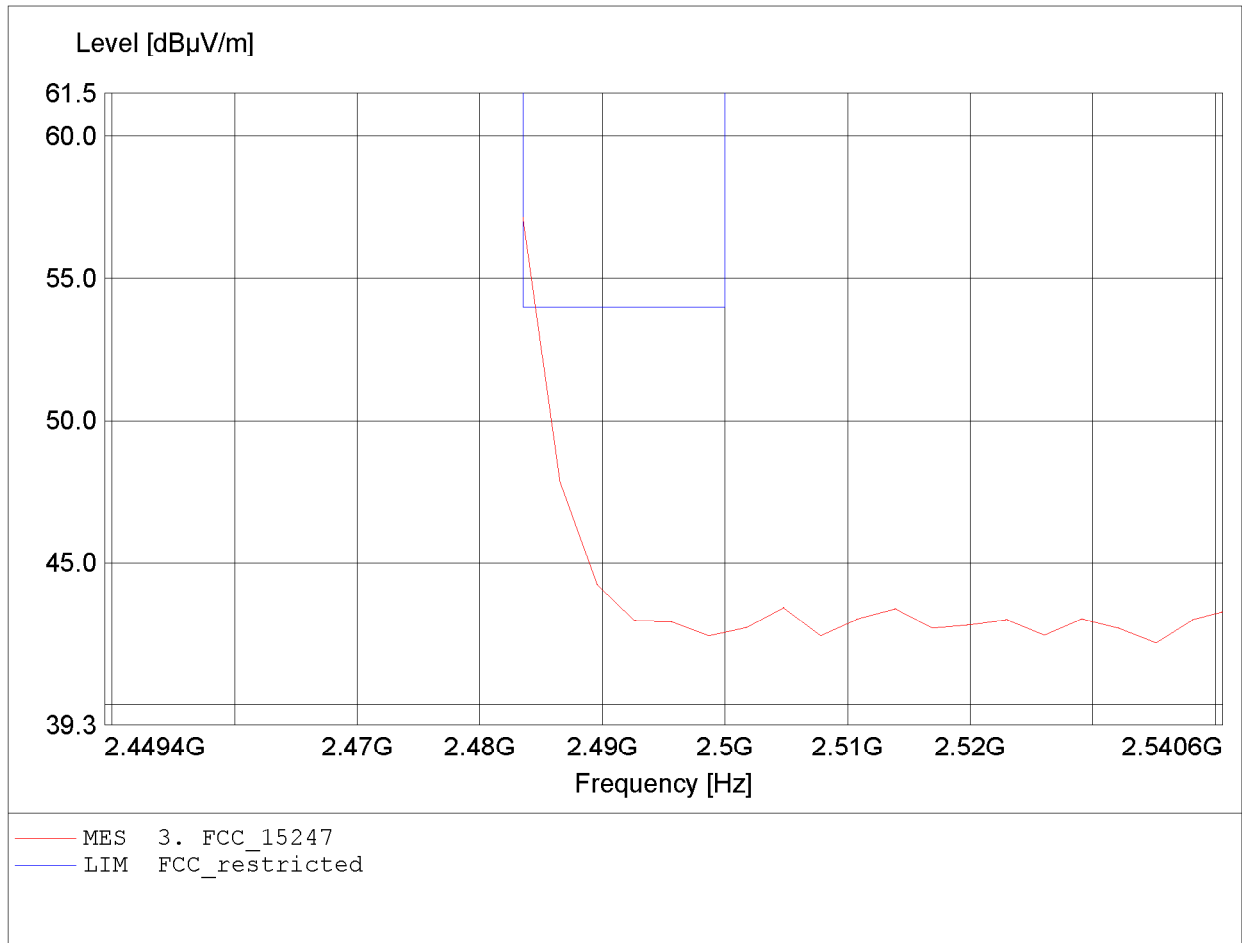
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 2.484GHz, Emax: 44.65dBµV/m, RBW: 1MHz



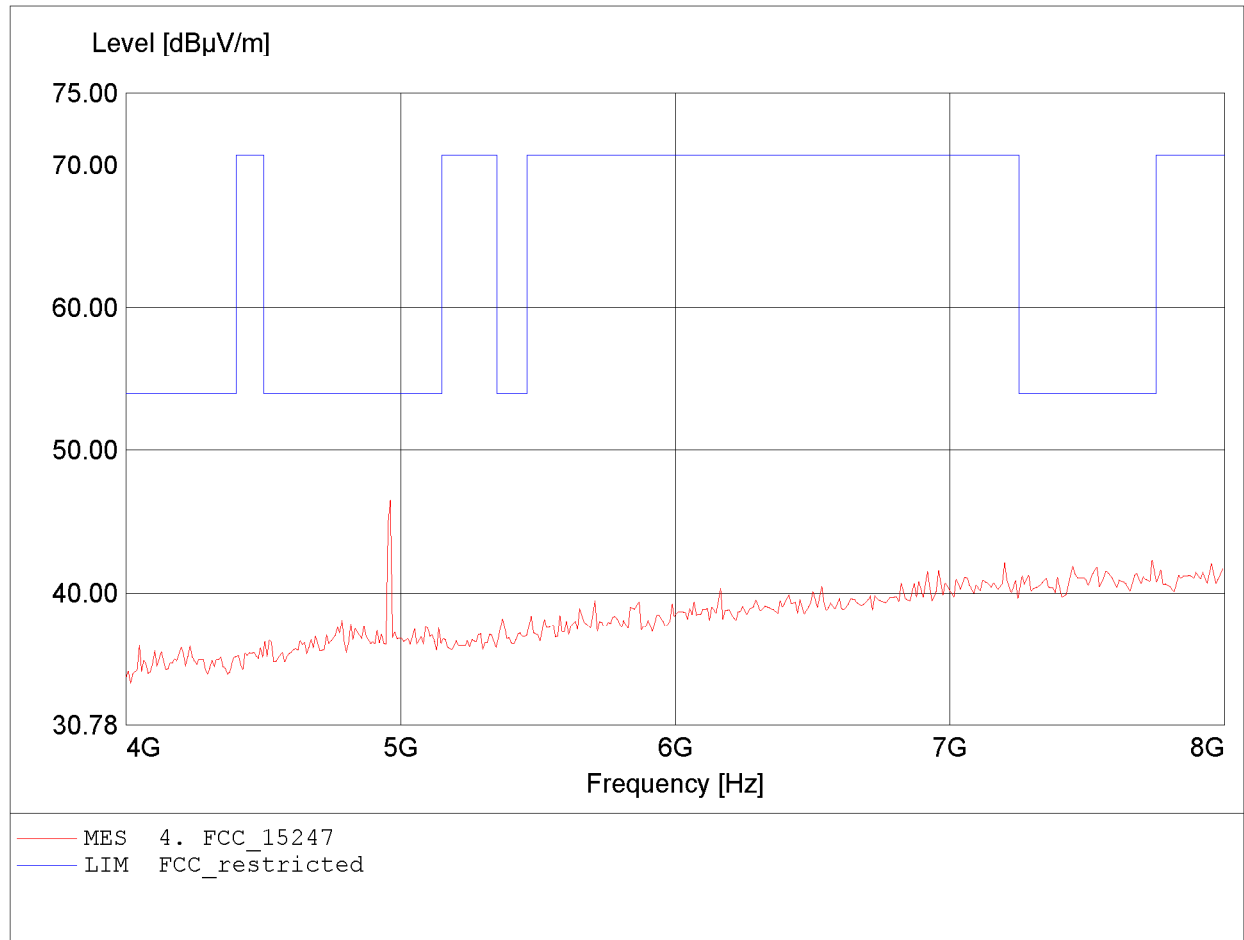
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 2.484GHz, Emax: 57.15dBµV/m, RBW: 1MHz



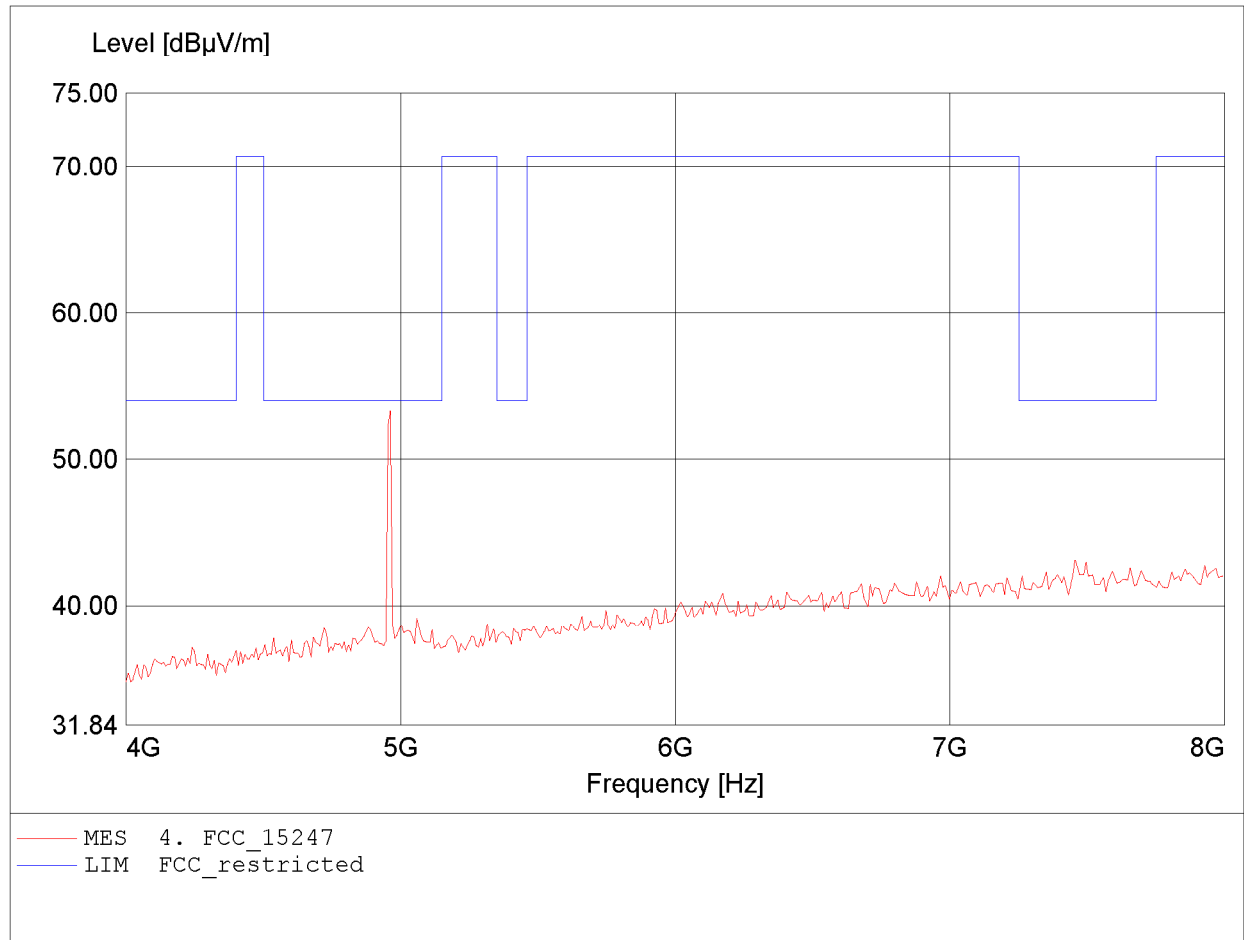
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 46.45dBµV/m, RBW: 1MHz



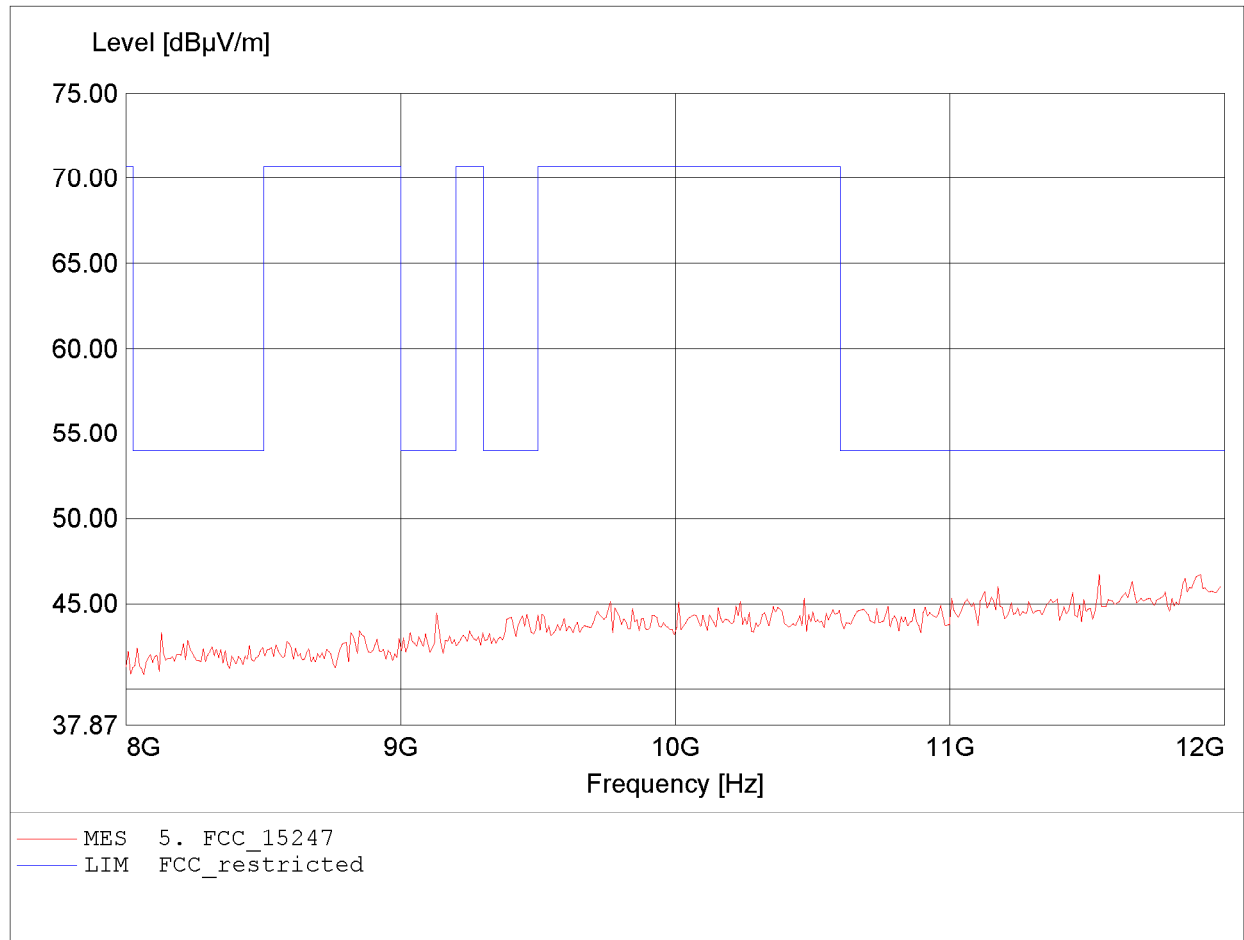
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 53.34dBµV/m, RBW: 1MHz



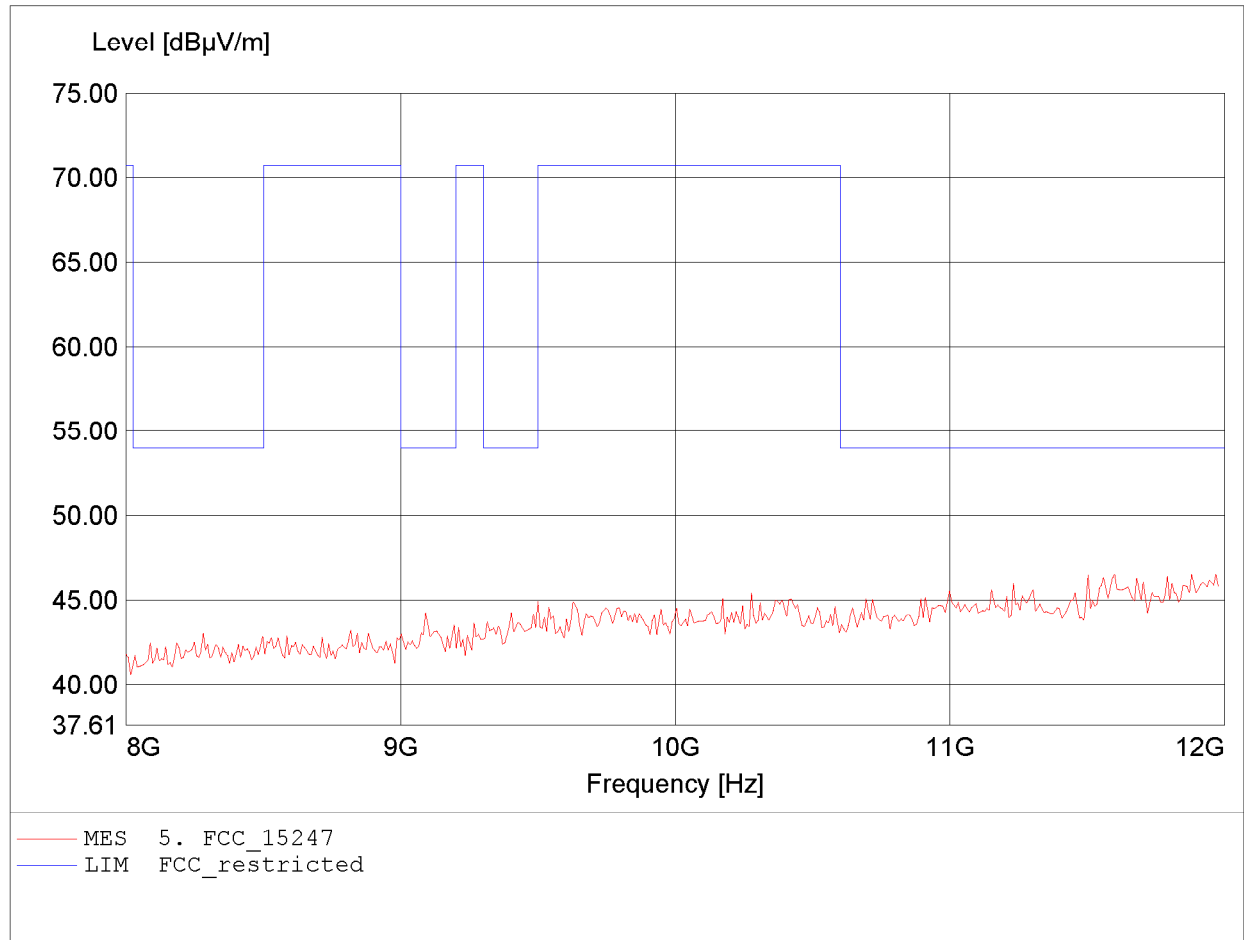
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.912GHz, Emax: 46.72dBµV/m, RBW: 1MHz



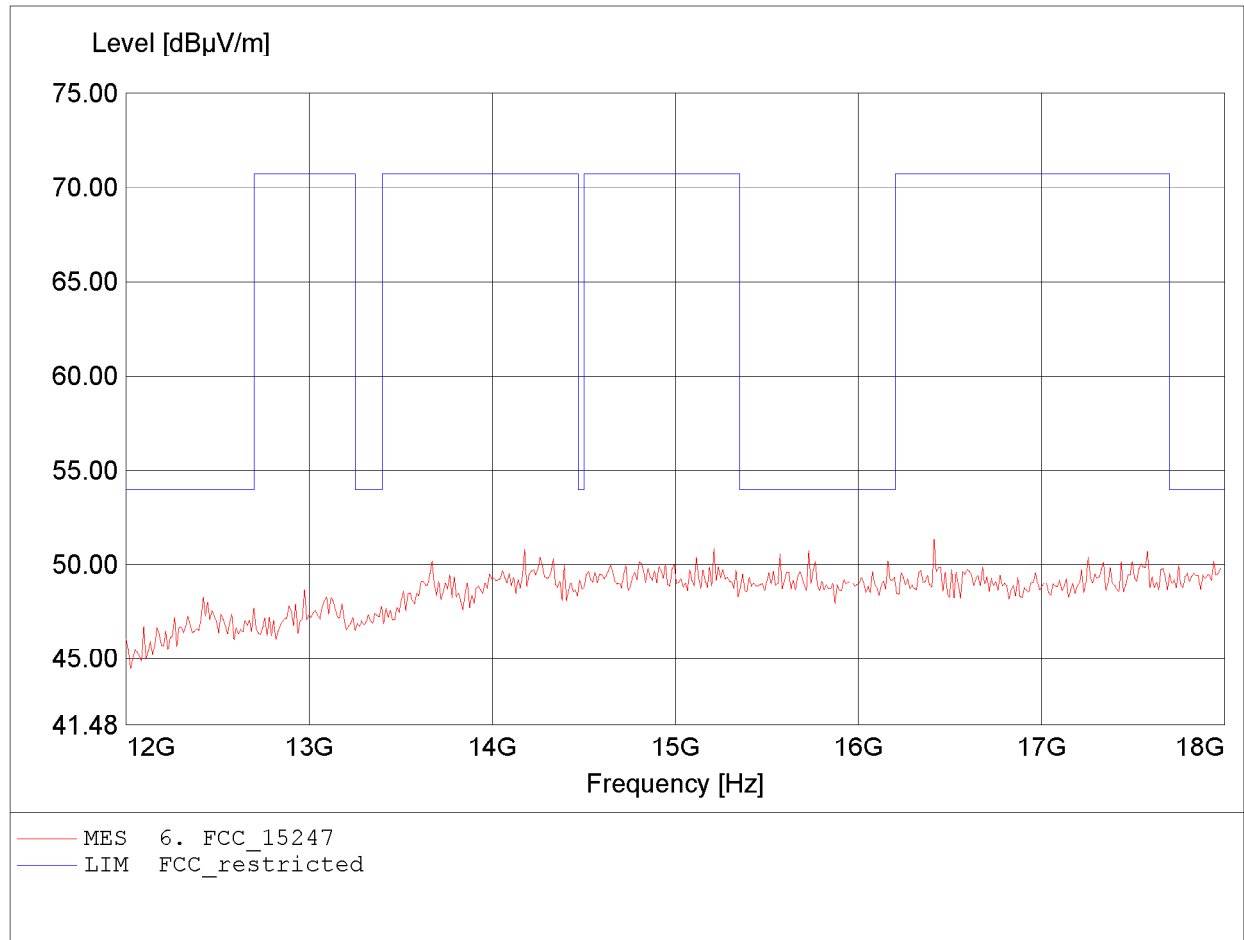
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.968GHz, Emax: 46.53dBµV/m, RBW: 1MHz



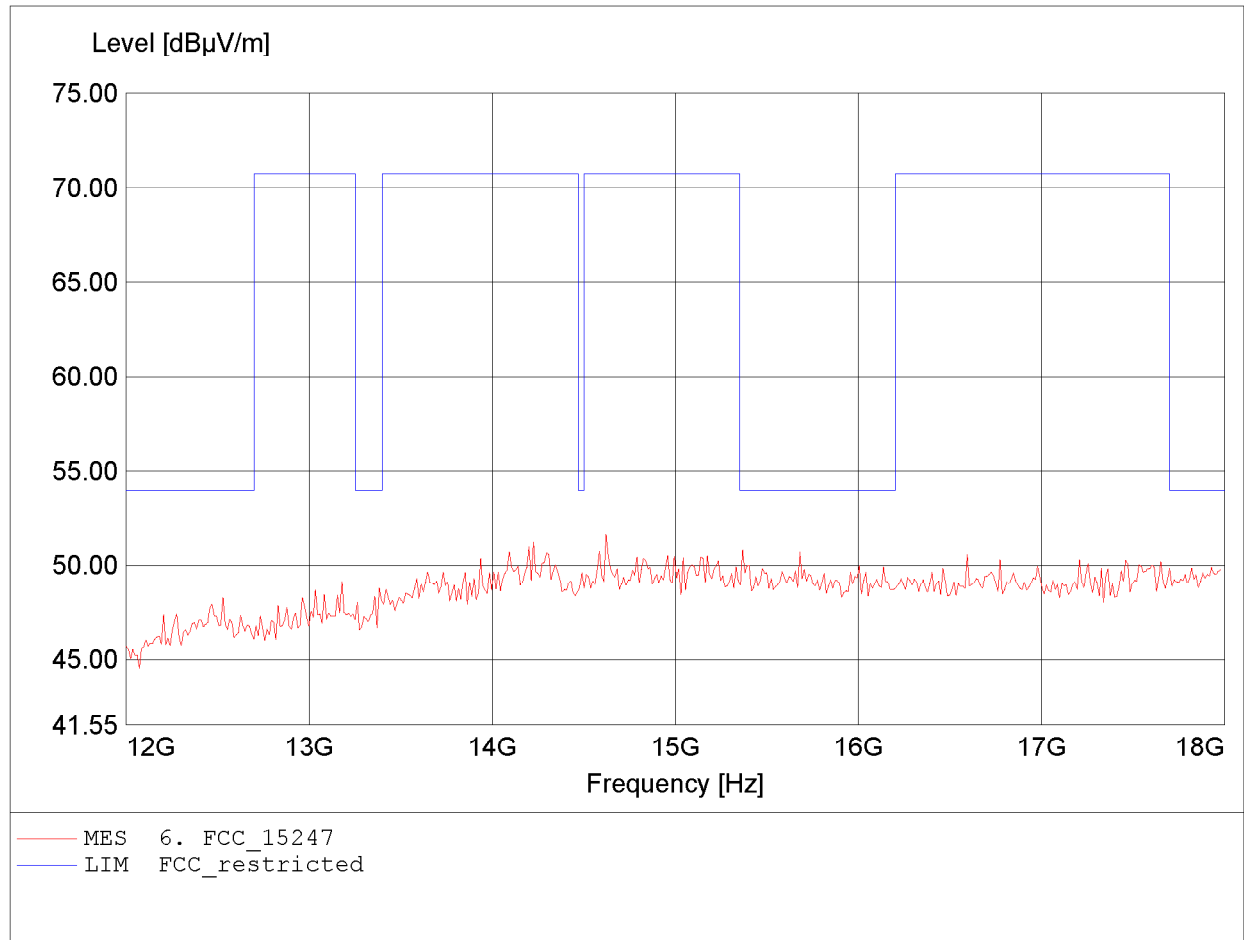
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 16.413GHz, Emax: 51.30dBµV/m, RBW: 1MHz



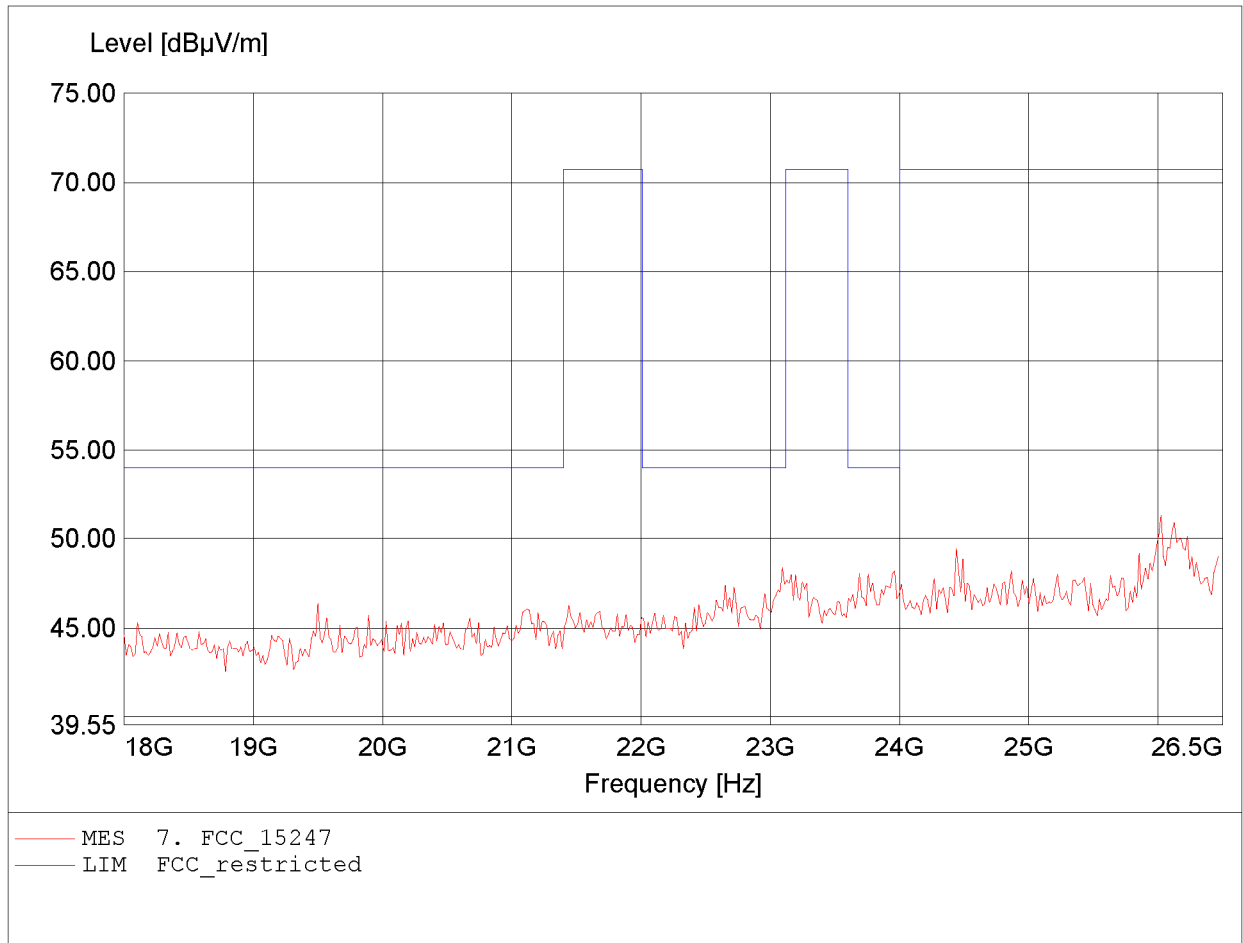
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 14.621GHz, Emax: 51.62dBµV/m, RBW: 1MHz



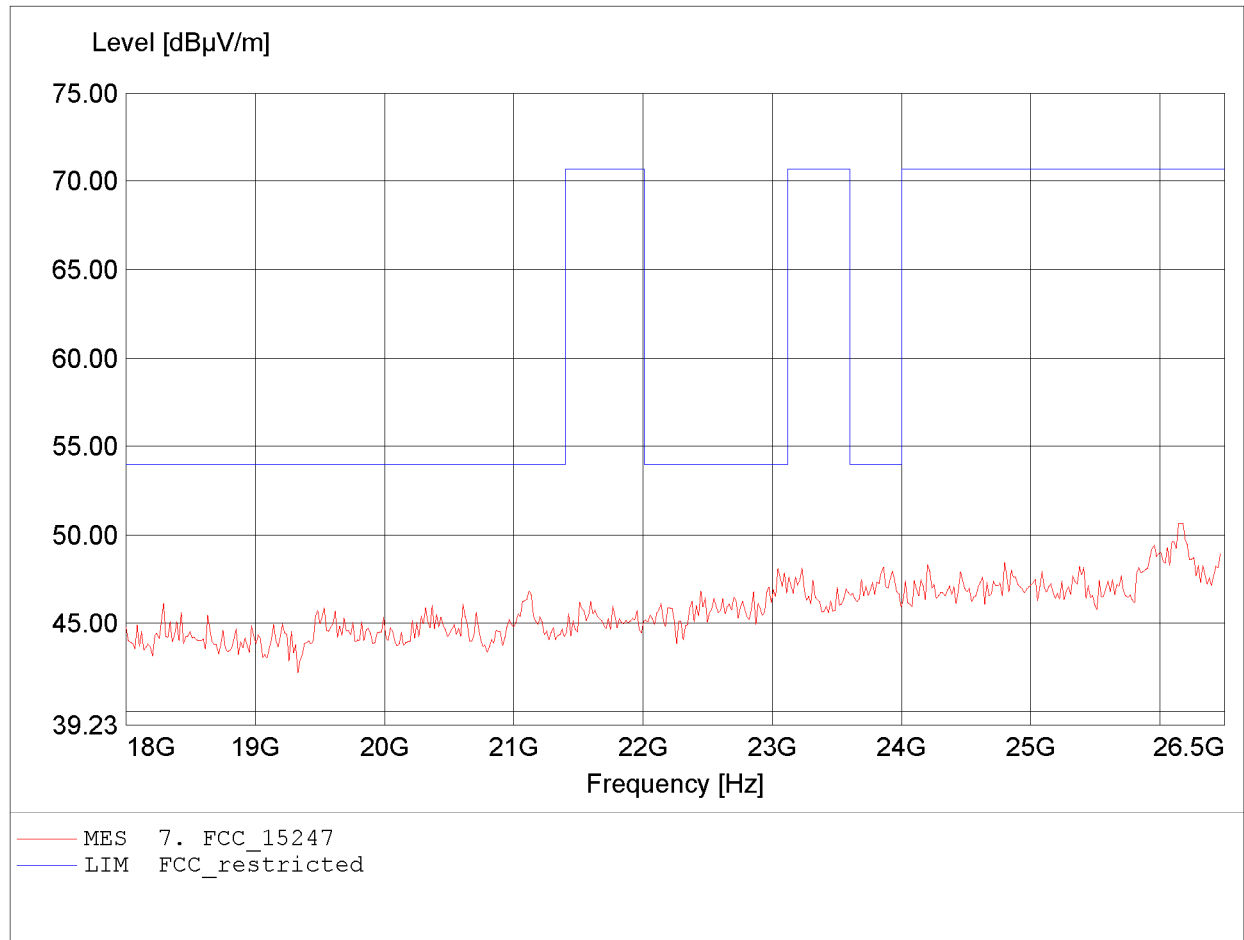
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

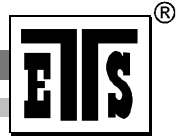
Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.023GHz, Emax: 51.34dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

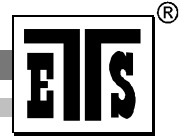
Approval Holder: Panasonic Electronic Devices Europe GmbH
EUT: ZigBee - Module
Model: ENWC9A0A3E (ETRX2) / 2480 MHz
Test Site / Operator: ETS / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 6 x 1.5 V DC (battery)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.176GHz, Emax: 50.67dBµV/m, RBW: 1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating




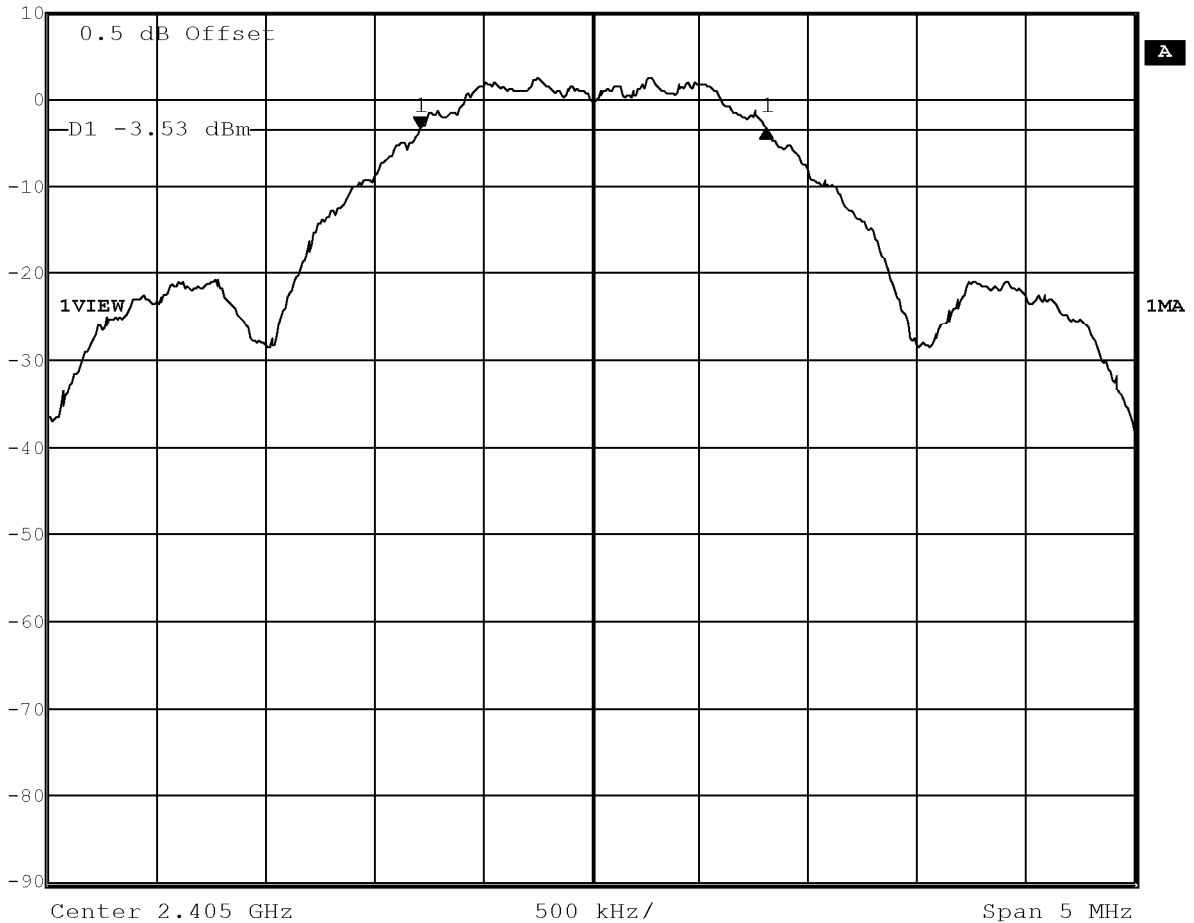
Appendix E

Maximum 6 dB Bandwidth

**FCC Part 15.247
Bandwith**

EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (a)(2) Bandwith
Comment 1	Channel: 2405
Comment 2	The 6 dB bandwith must be greater than 500 kHz

	Delta 1 [T1]	RBW	100 kHz	RF Att	30 dB
	Ref Lvl	0.11 dB	VBW	1 MHz	
	10 dBm	1.59318637 MHz	SWT	5 ms	Unit




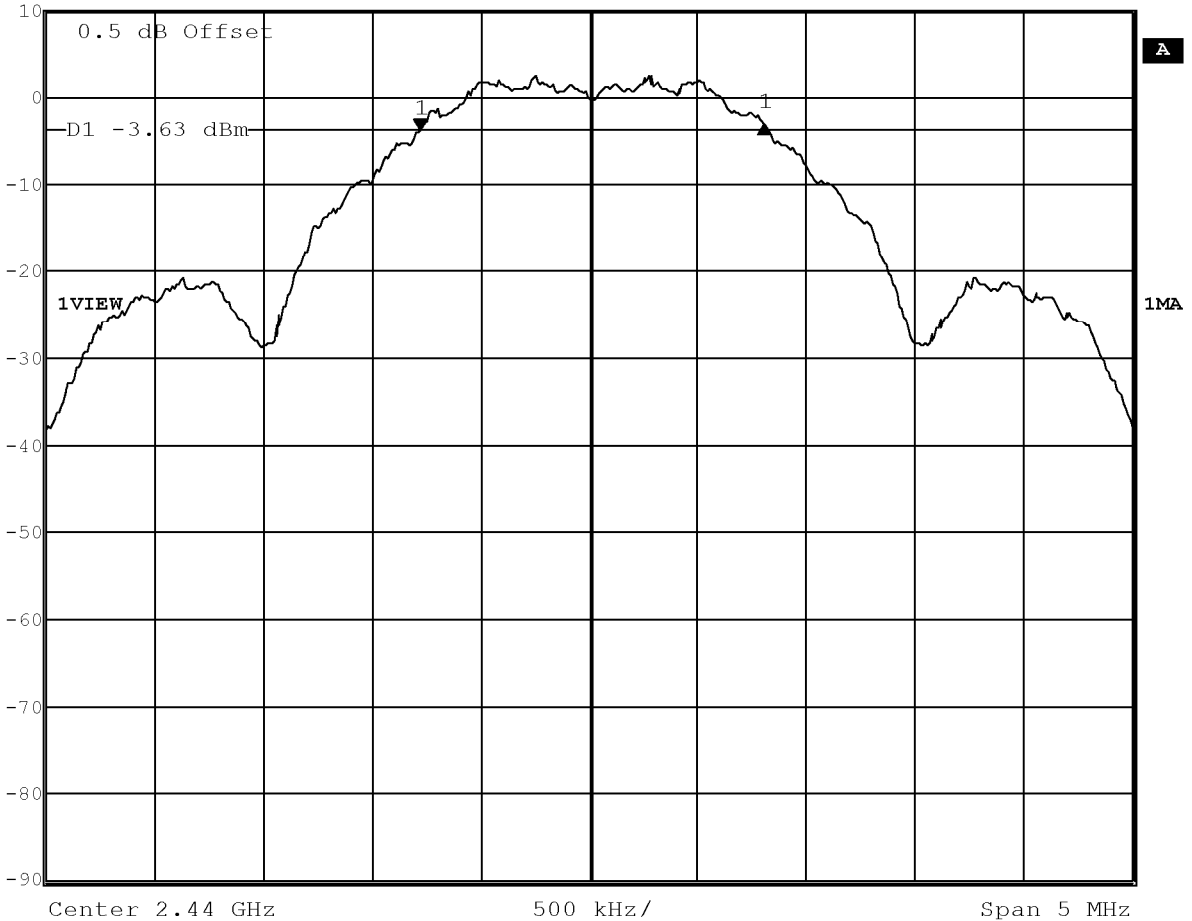
Date: 10.JUL.2006 15:04:37

Measurement diagram

**FCC Part 15.247
Bandwith**

EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (a)(2) Bandwith
Comment 1	Channel: 2440
Comment 2	The 6 dB bandwith must be greater than 500 kHz

	Delta 1 [T1]	RBW	100 kHz	RF Att	30 dB
Ref Lvl	0.81 dB	VBW	1 MHz		
10 dBm	1.58316633 MHz	SWT	5 ms	Unit	dBm




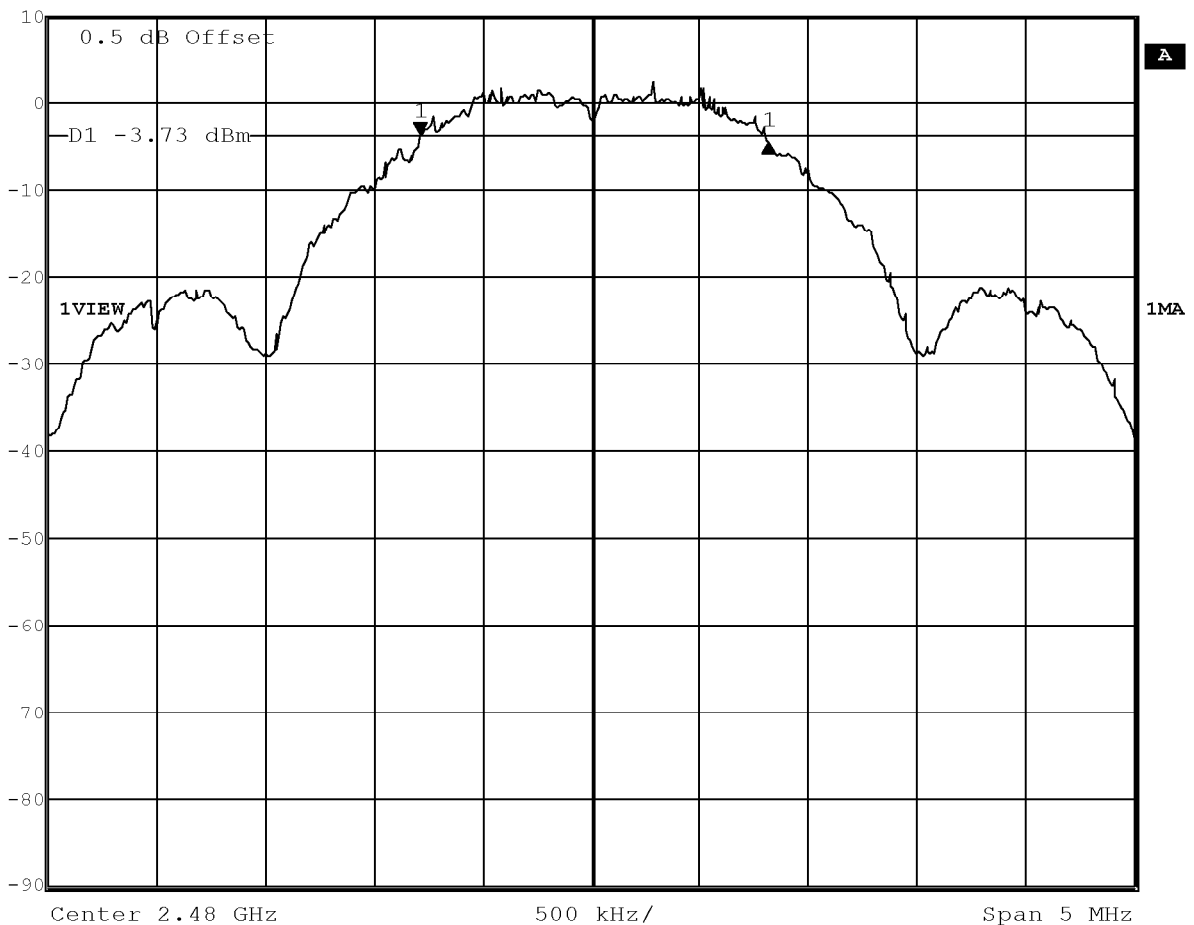
Date: 10.JUL.2006 15:01:42

Measurement diagram

**FCC Part 15.247
Bandwith**

EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (a)(2) Bandwith
Test Case	
Comment 1	Channel: 2480
Comment 2	The 6 dB bandwith must be greater than 500 kHz

	Delta 1 [T1]	RBW	100 kHz	RF Att	30 dB
	Ref Lvl	-1.01 dB	VBW	1 MHz	
	10 dBm	1.60320641 MHz	SWT	5 ms	Unit dBm



Date: 10.JUL.2006 14:57:19

Measurement diagram

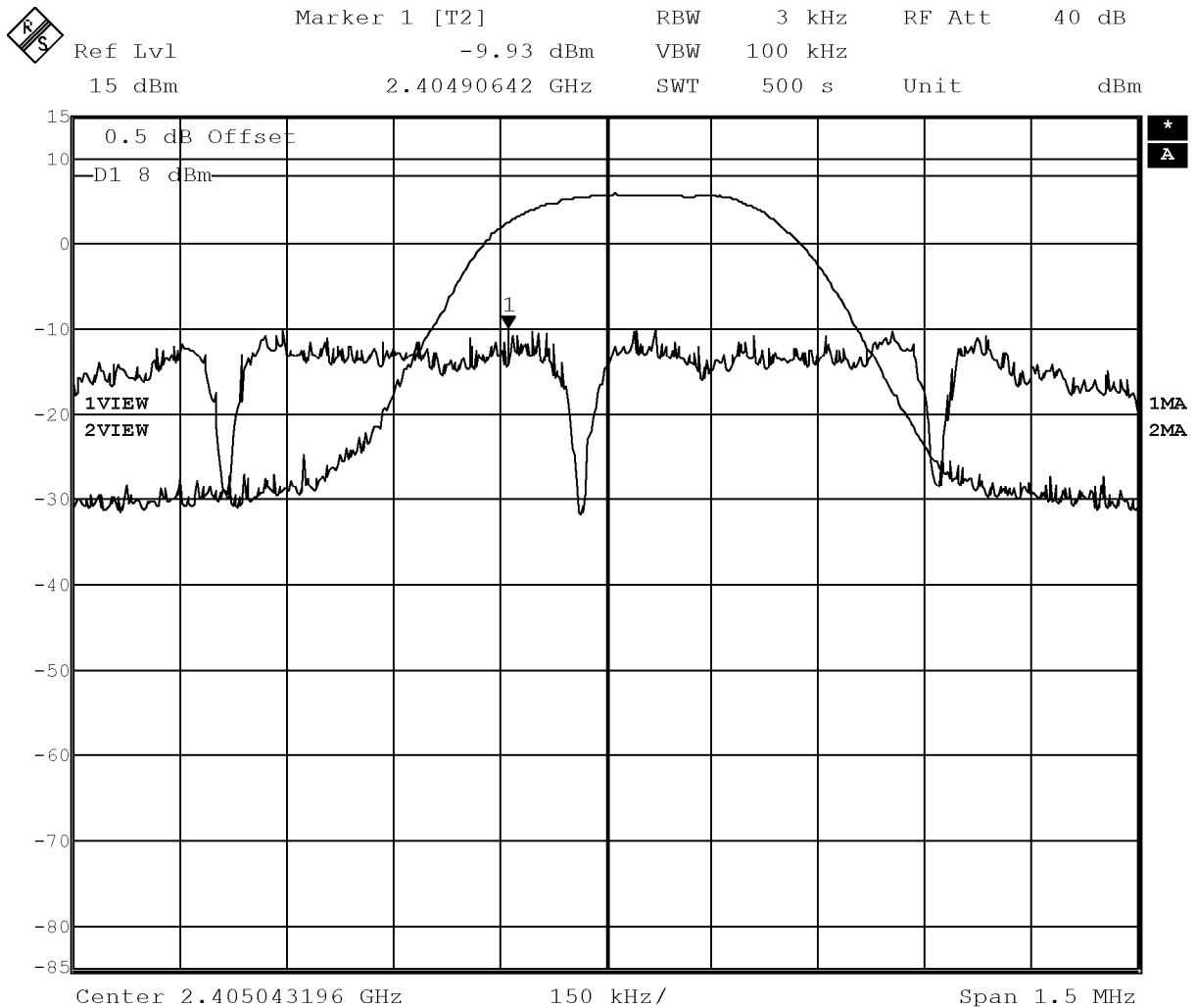


Appendix F

Peak Power Spectral Density

FCC Part 15.247
Power spectral density

EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (d) Power spectral density
Comment 1	Channel: 2405
Comment 2	

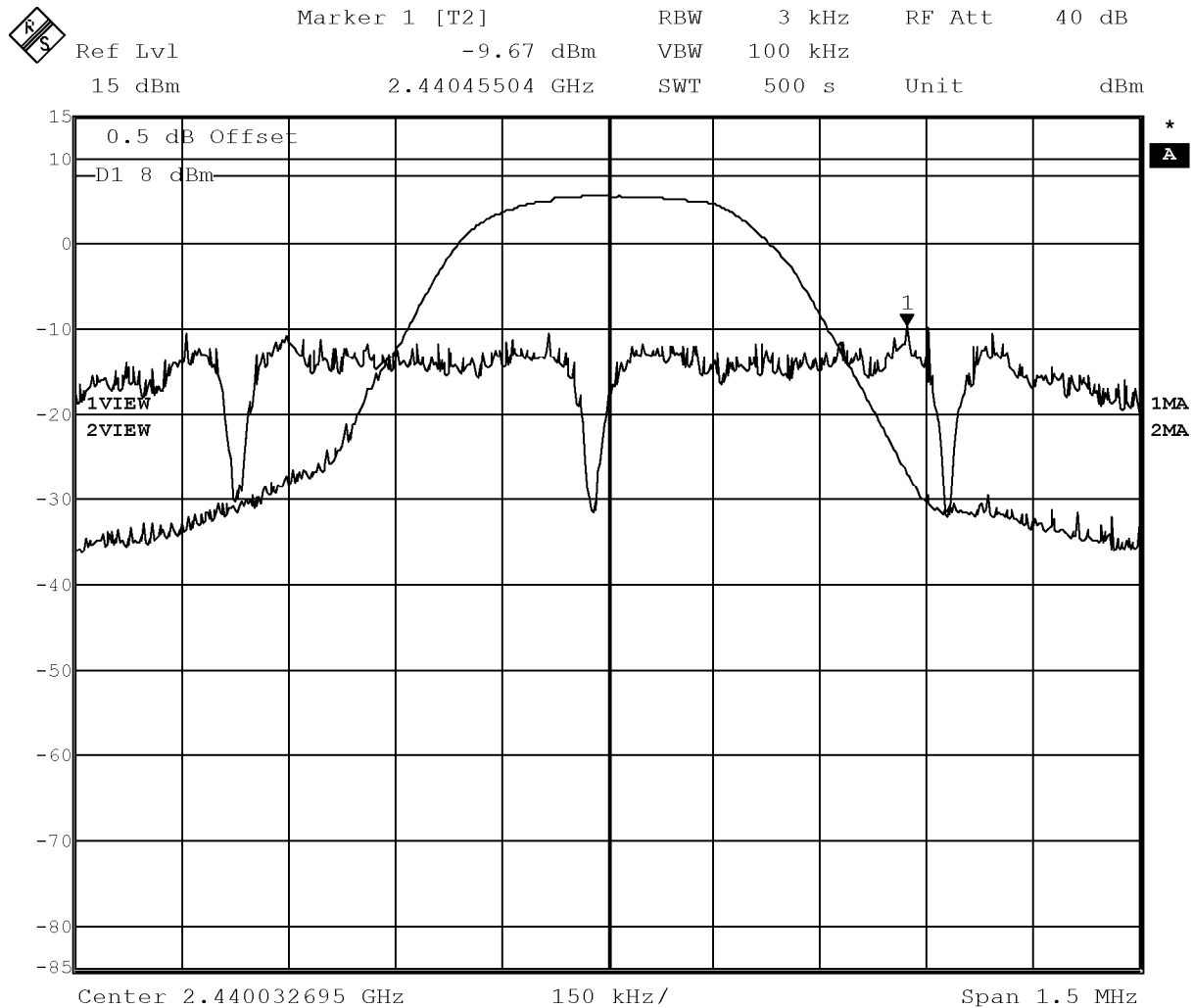


Date: 11.JUL.2006 07:14:45

Measurement diagram

FCC Part 15.247
Power spectral density

EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (d) Power spectral density
Comment 1	Channel: 2440
Comment 2	

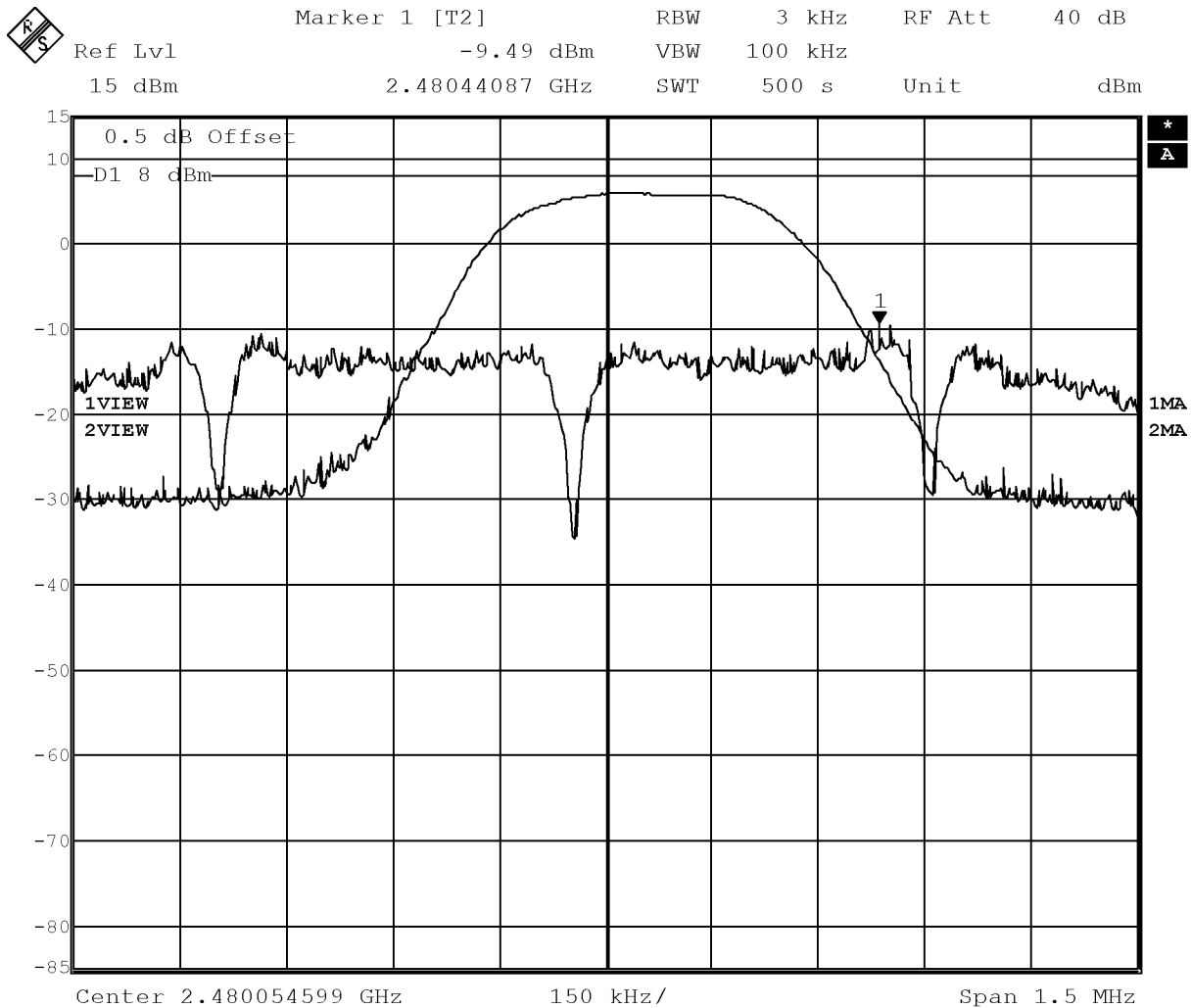


Date: 10.JUL.2006 15:30:10

Measurement diagram

FCC Part 15.247
Power spectral density

EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (d) Power spectral density
Comment 1	Channel: 2480
Comment 2	



Date: 11.JUL.2006 07:05:14

Measurement diagram

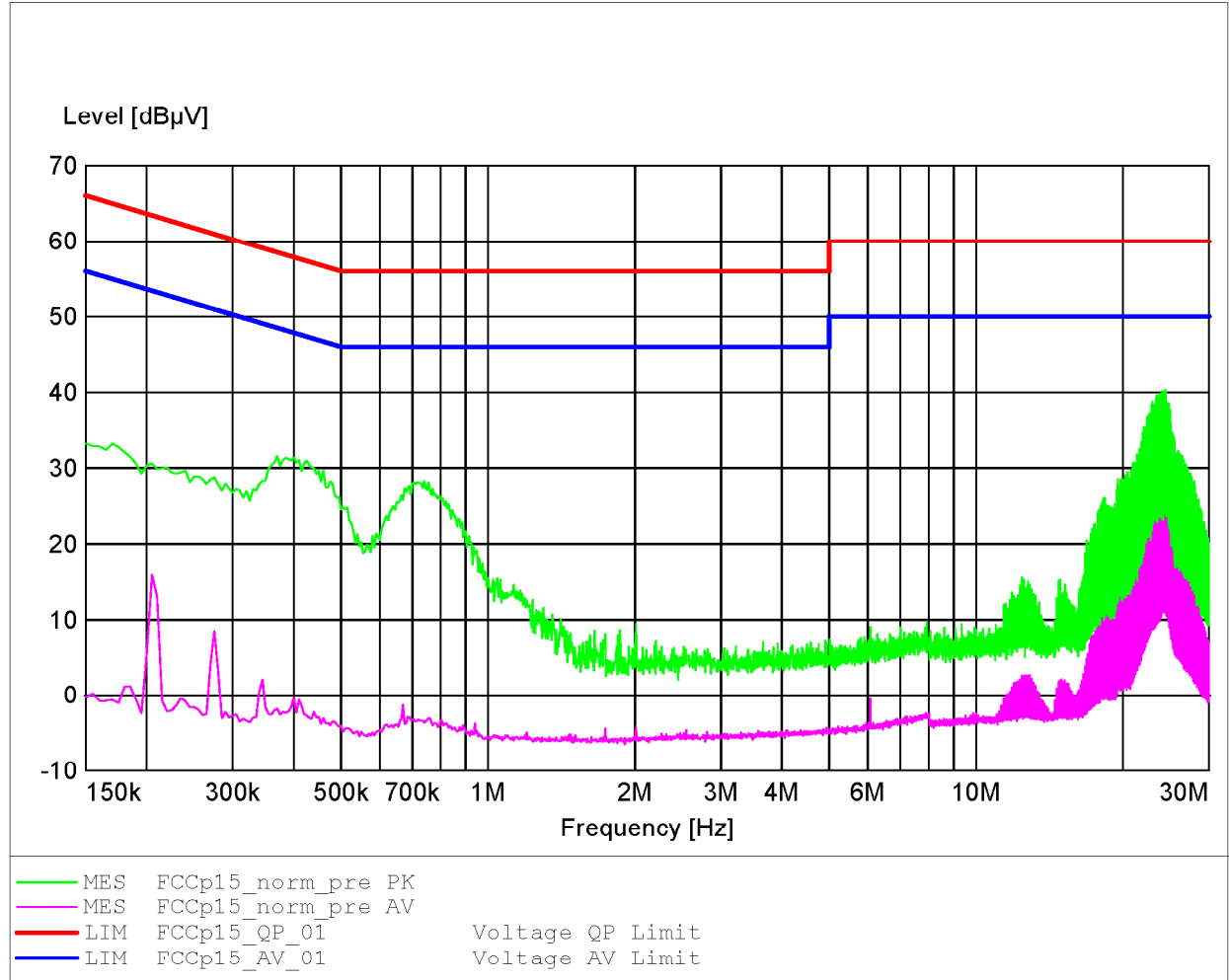


Appendix G

Conducted Emission at (AC) Power Line

EMI voltage test in the ac-mains according to FCC part 15

EUT: ZigBee - Module
 Manufacturer: Panasonic Electronic Devices Europe GmbH
 Operating Condition: Unom: 120 V AC, Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (L1)
 Comment: model: ENWC9A02A3E // ENWC9A05A3E
 mode: transmit brandname: PAN4570//ETRX2module (module+evaluationboard)



EMI voltage test in the ac-mains according to FCC part 15

EUT: ZigBee - Module
 Manufacturer: Panasonic Electronic Devices Europe GmbH
 Operating Condition: Unom: 120 V AC, Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: ENWC9A02A3E // ENWC9A05A3E
 mode: transmit brandname: PAN4570//ETRX2module (module+evaluationboard)

