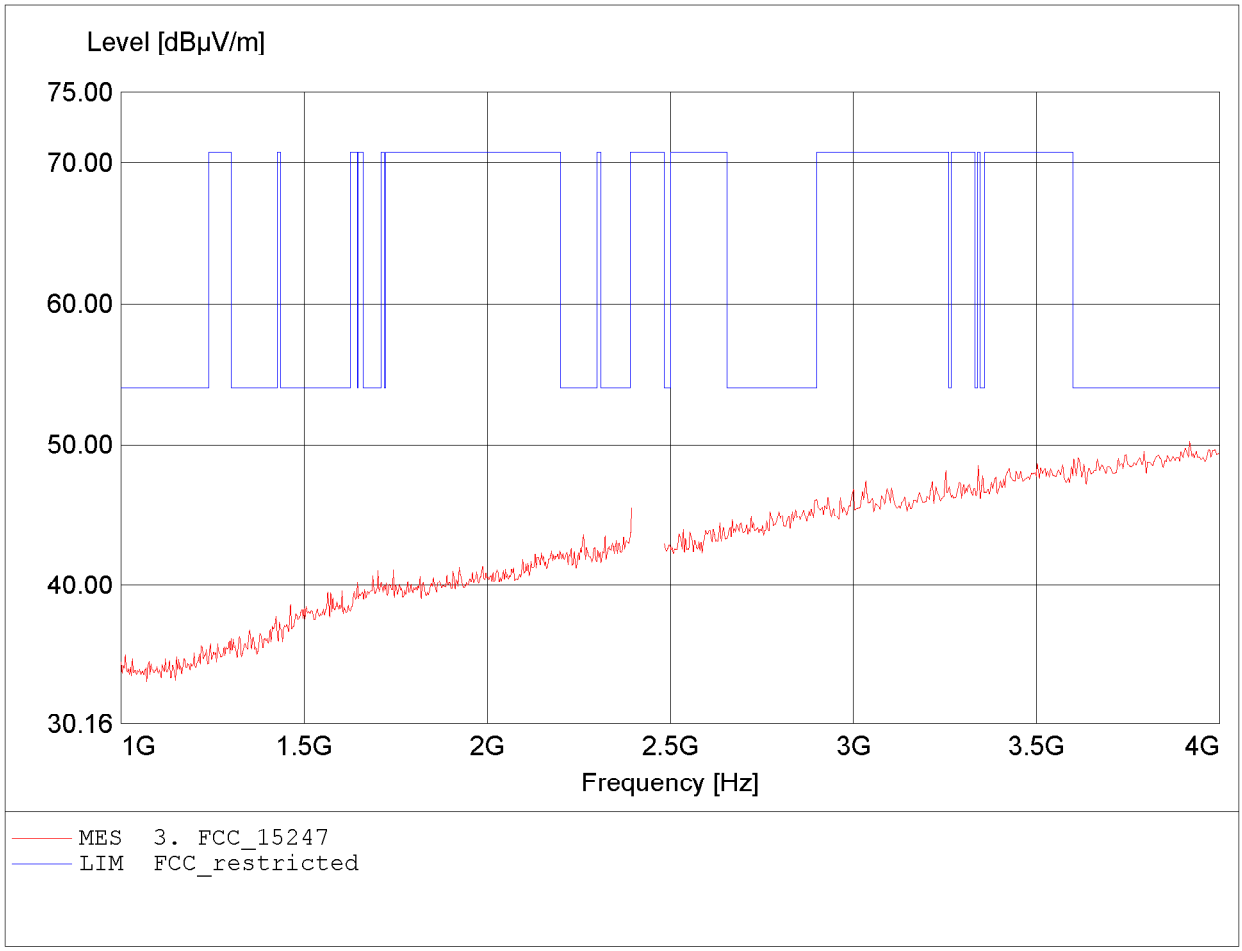
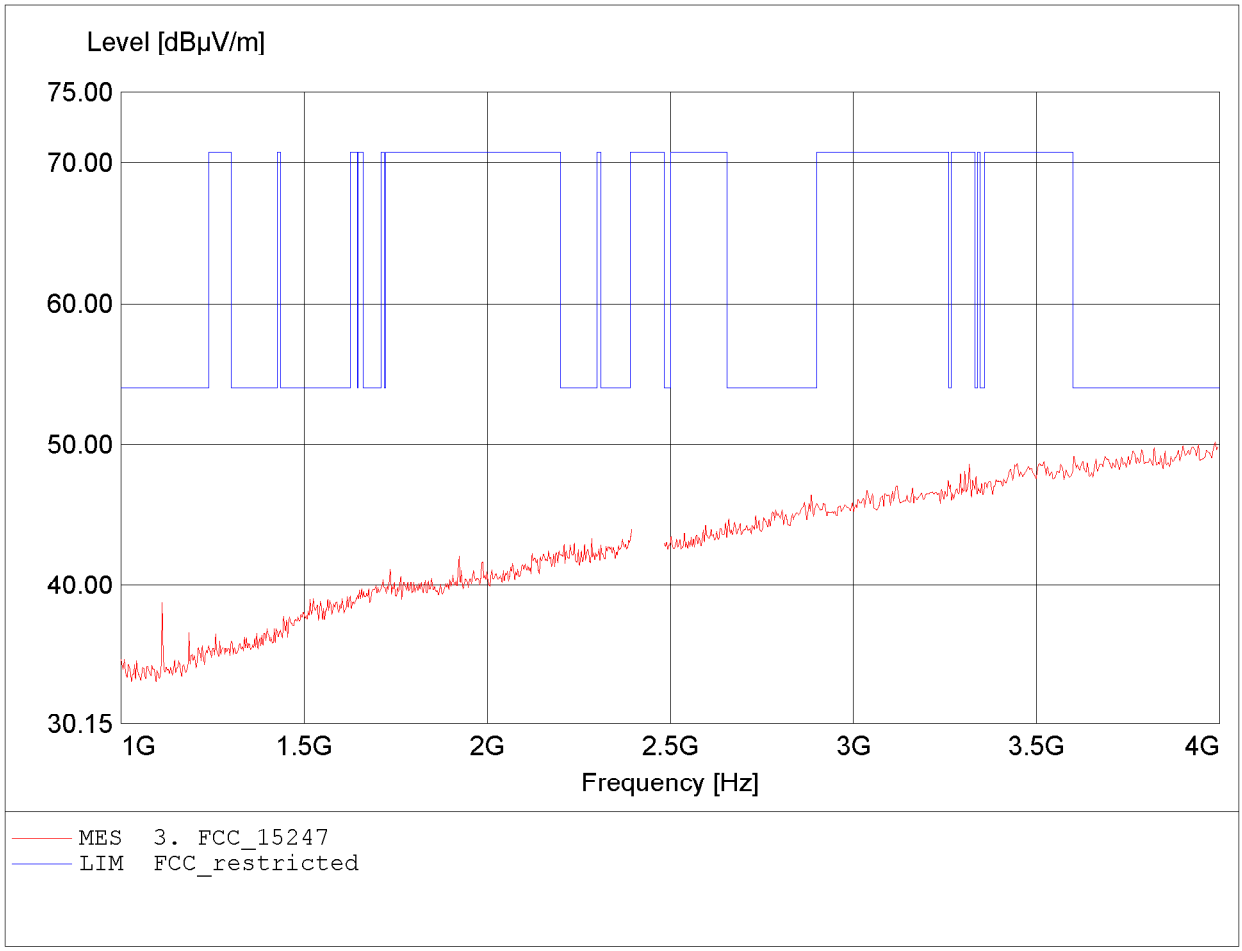
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



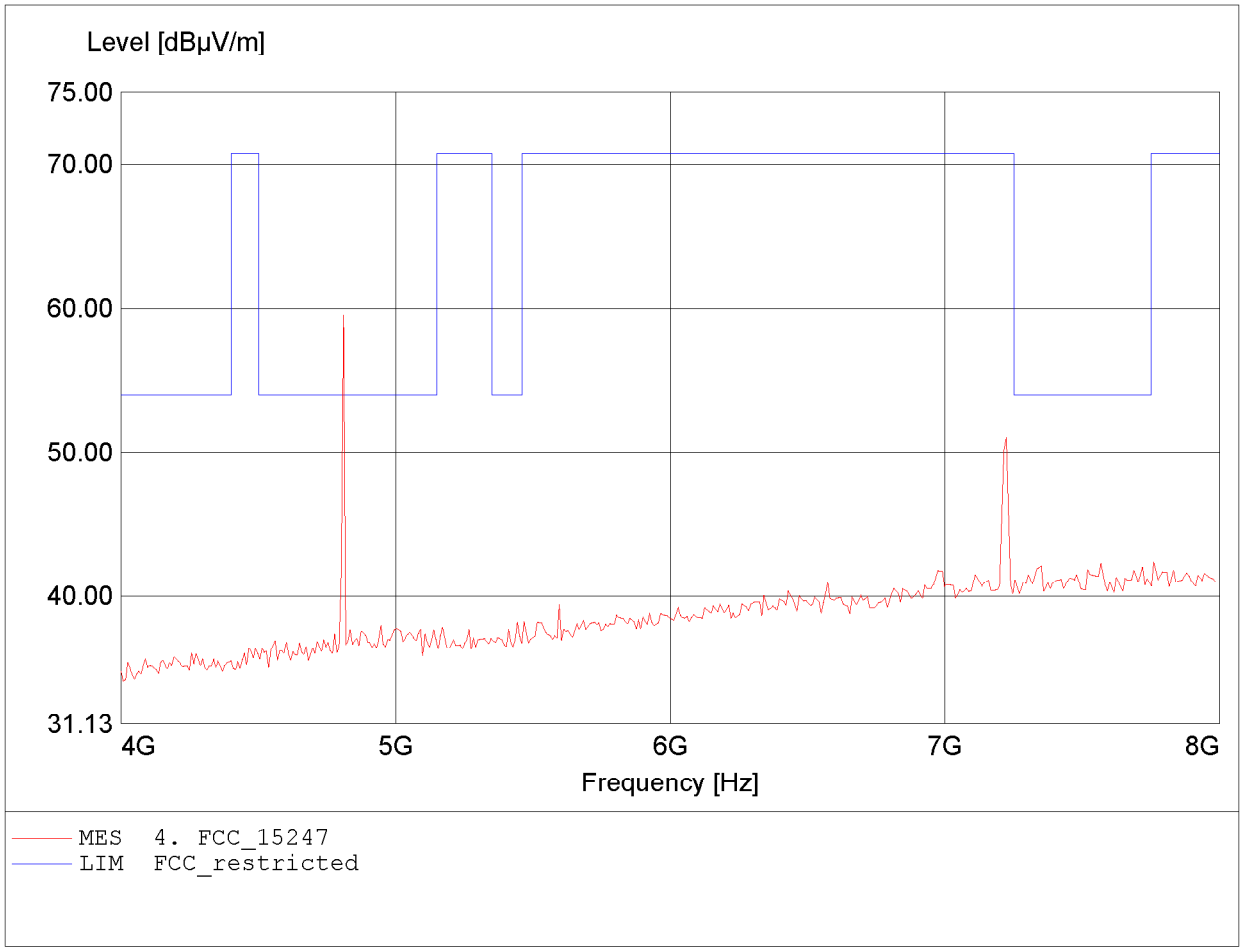
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



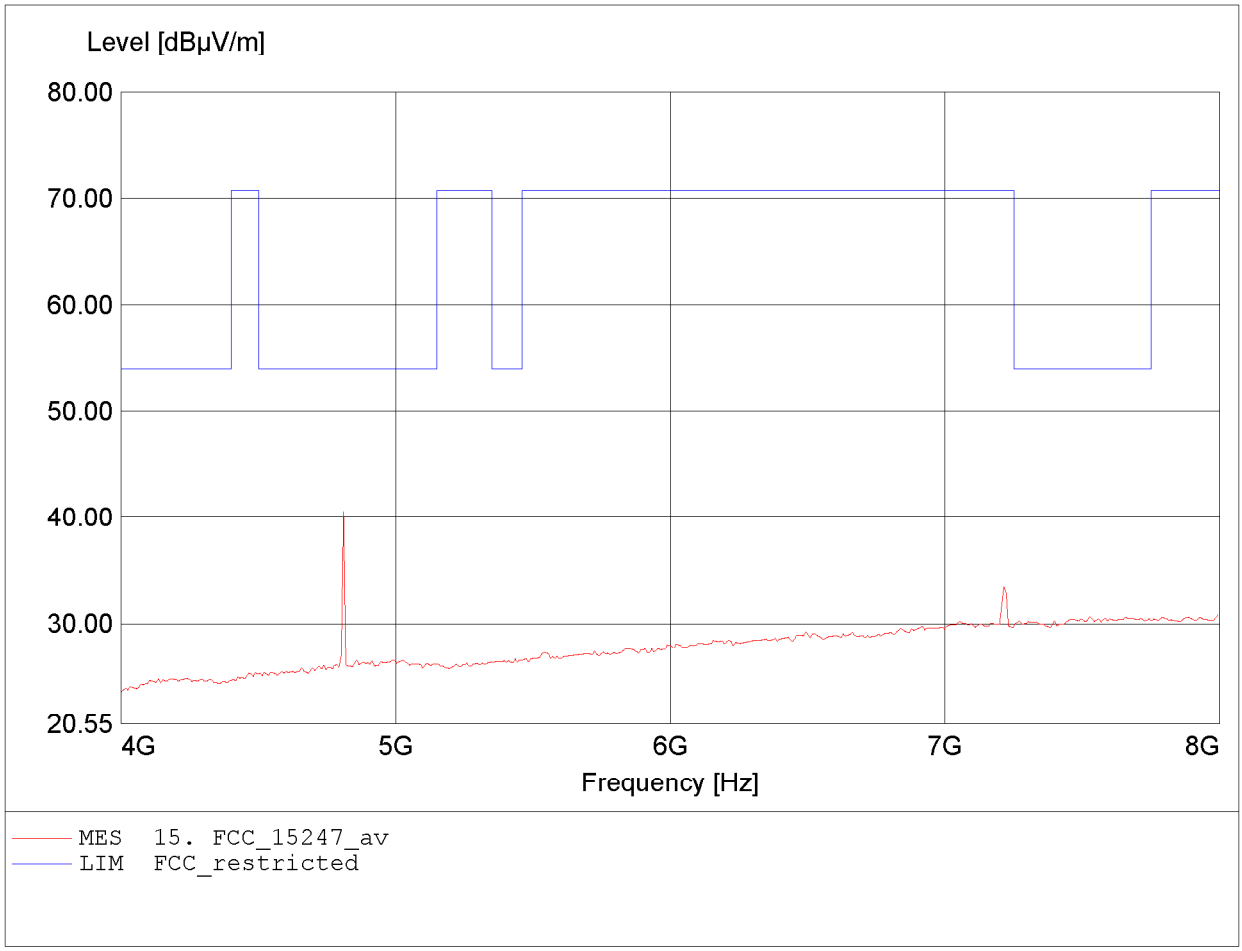
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



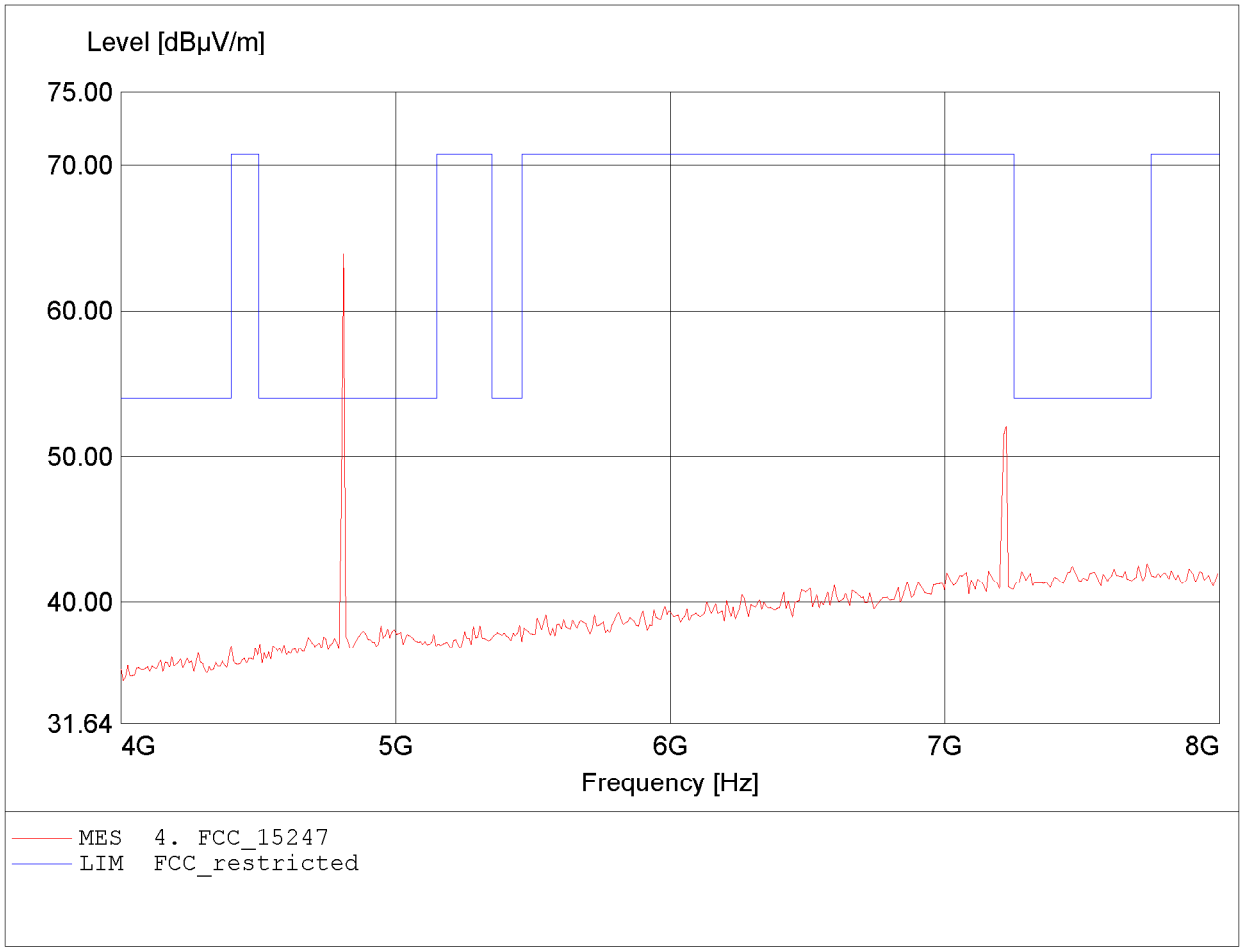
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



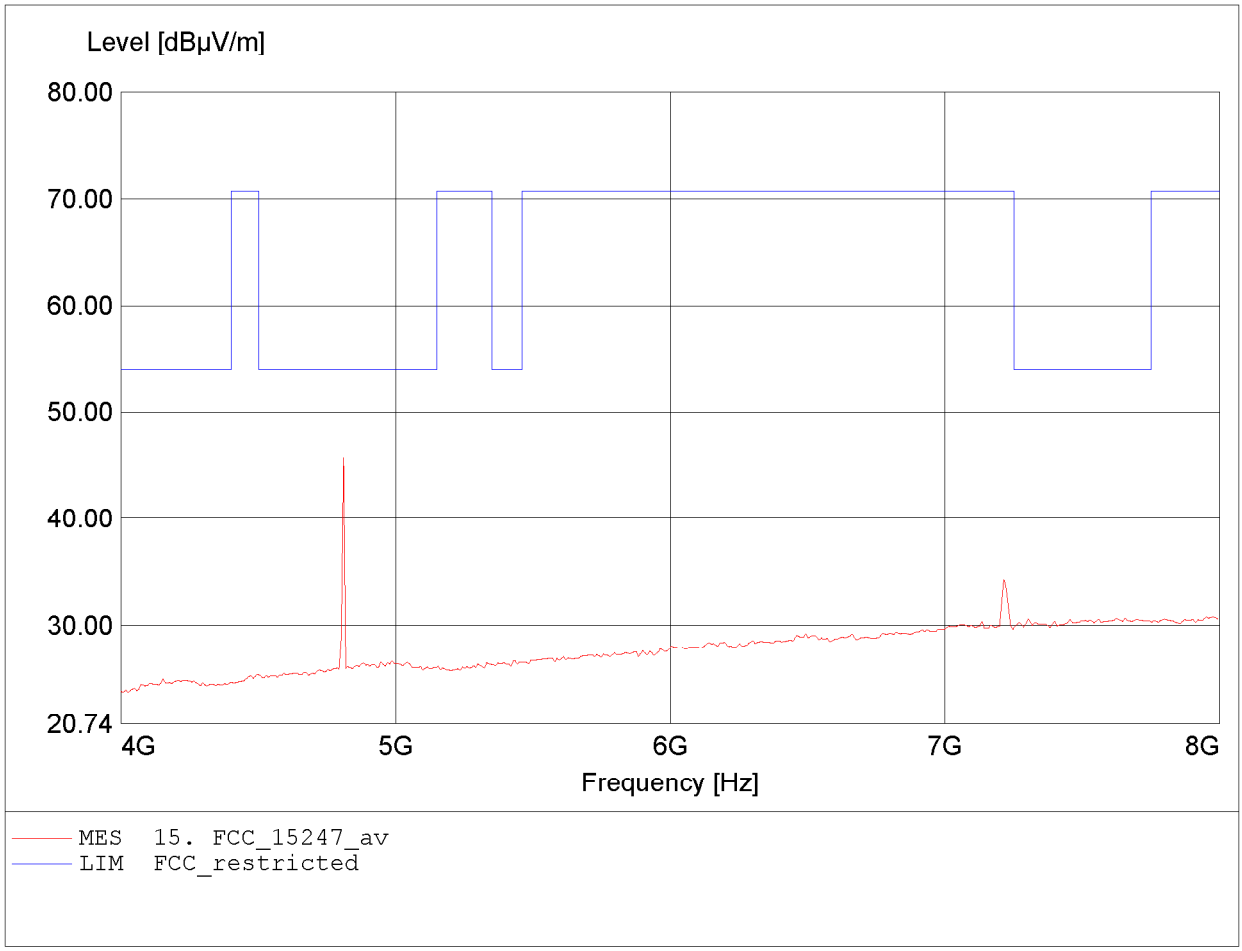
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



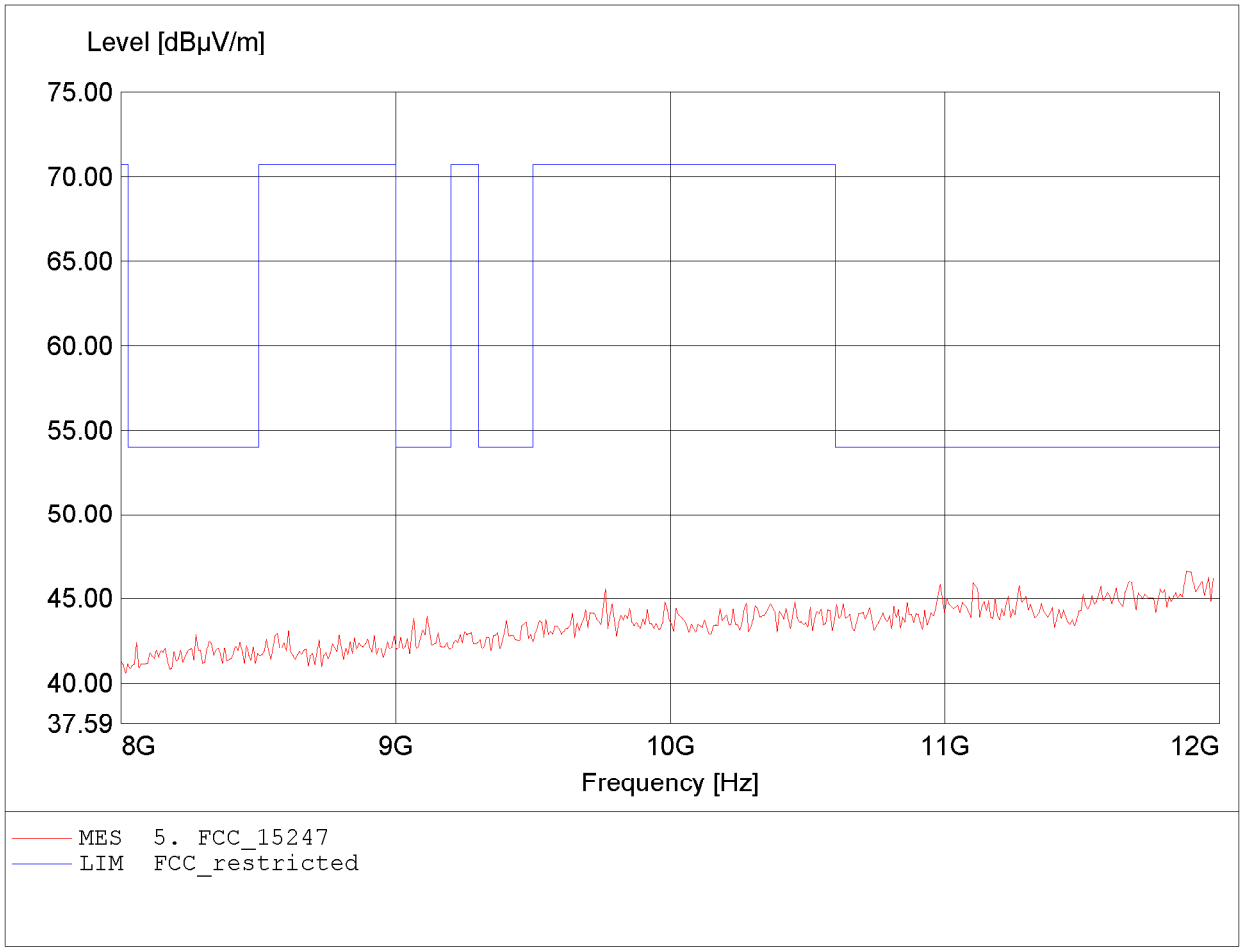
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



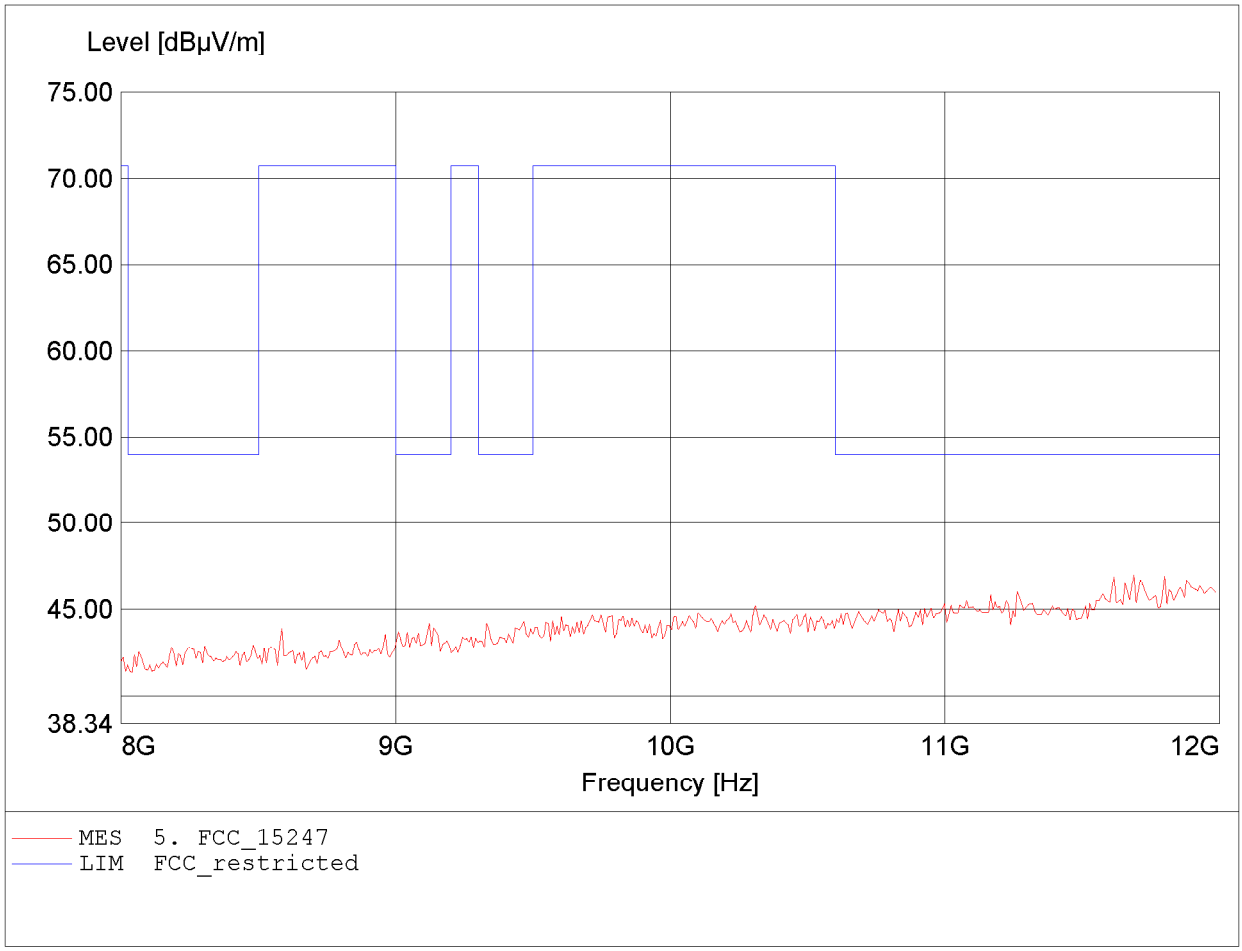
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



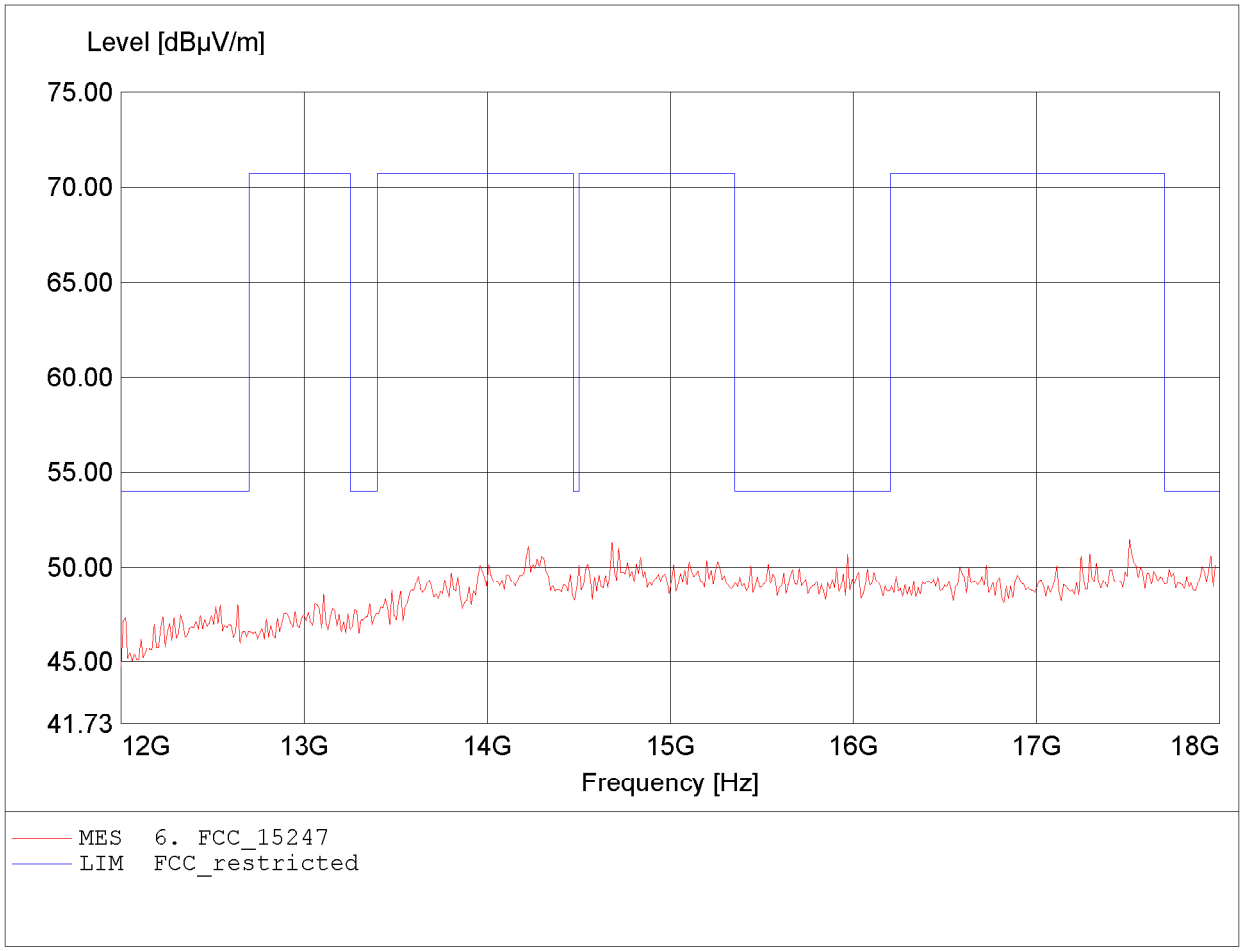
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



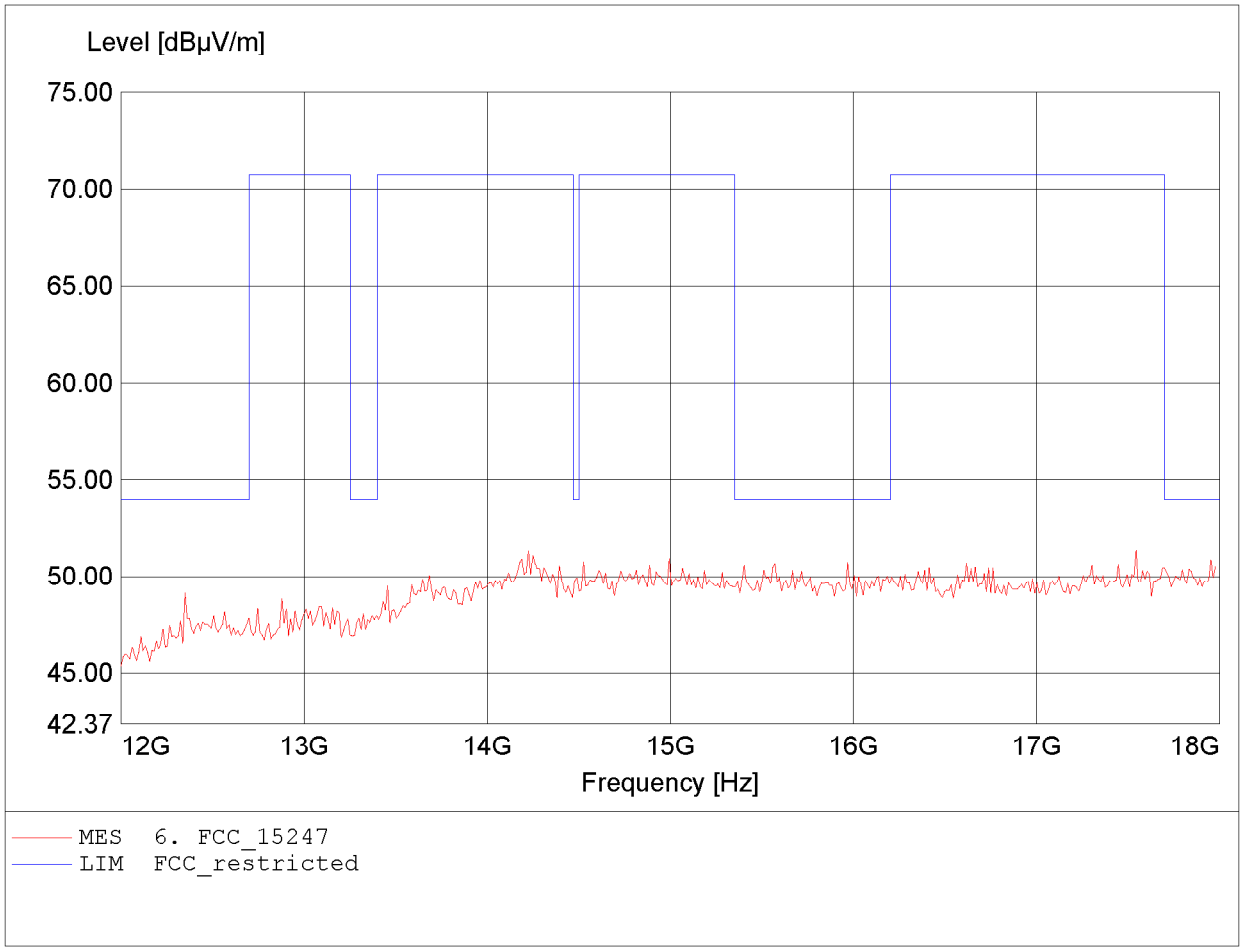
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



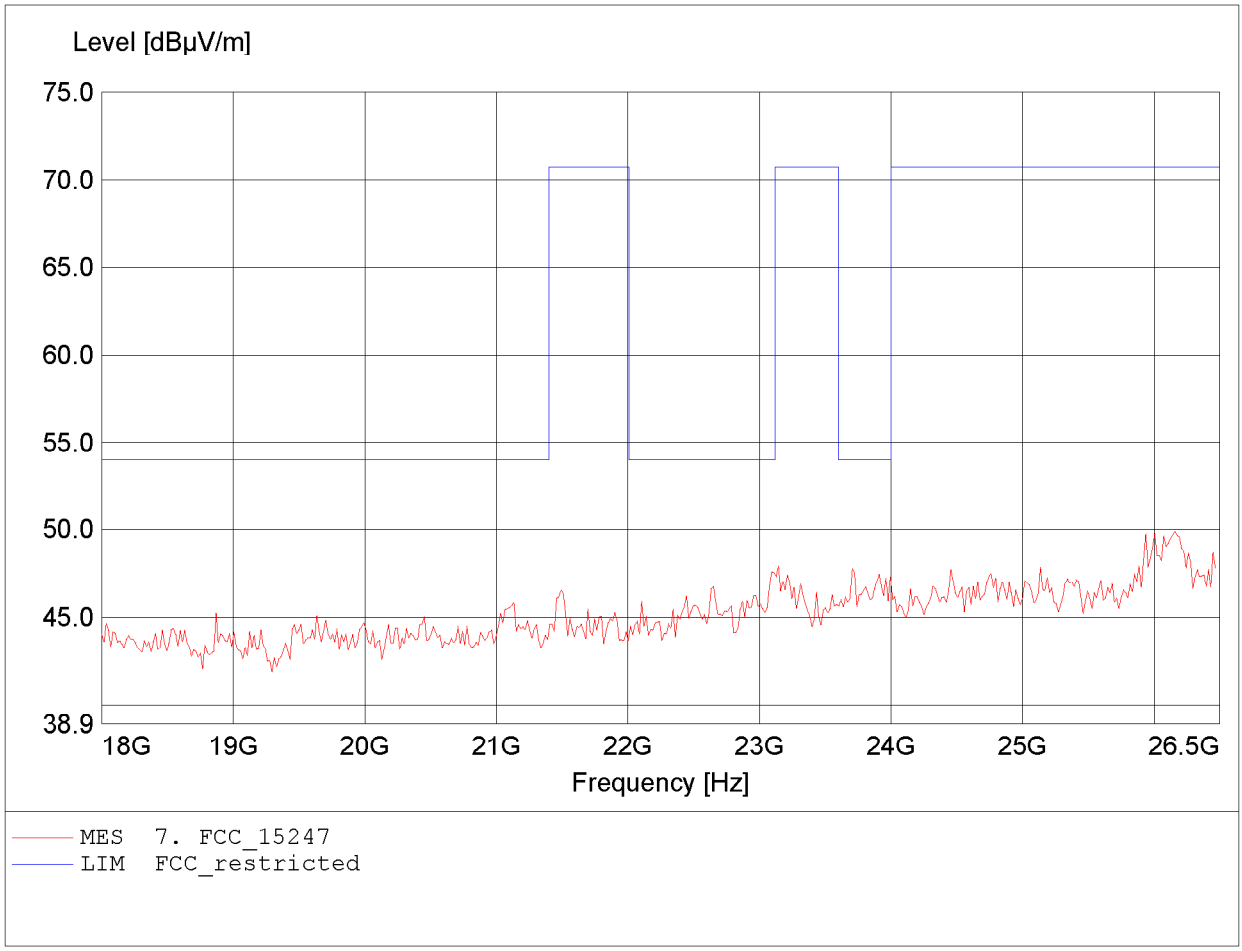
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



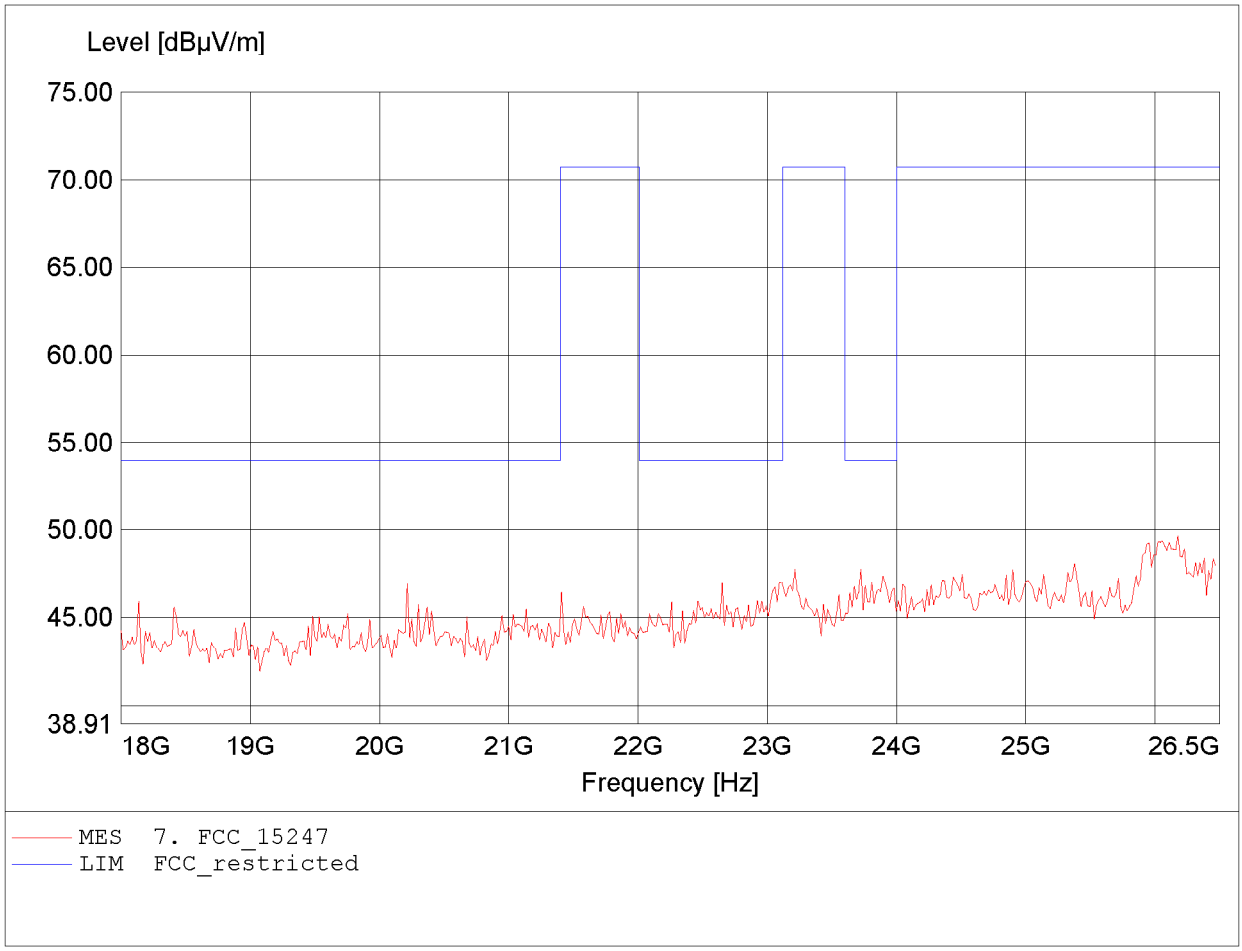
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



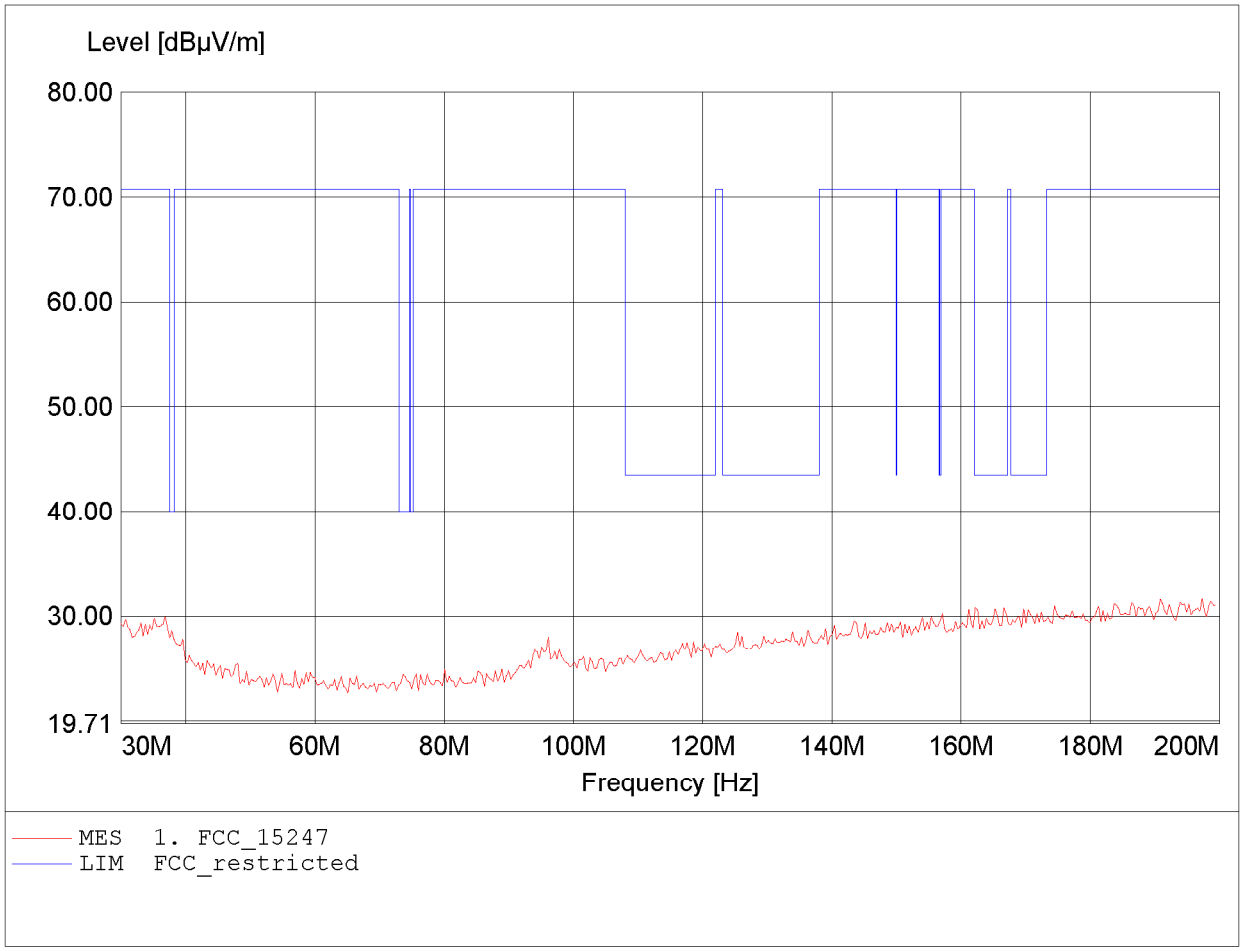
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



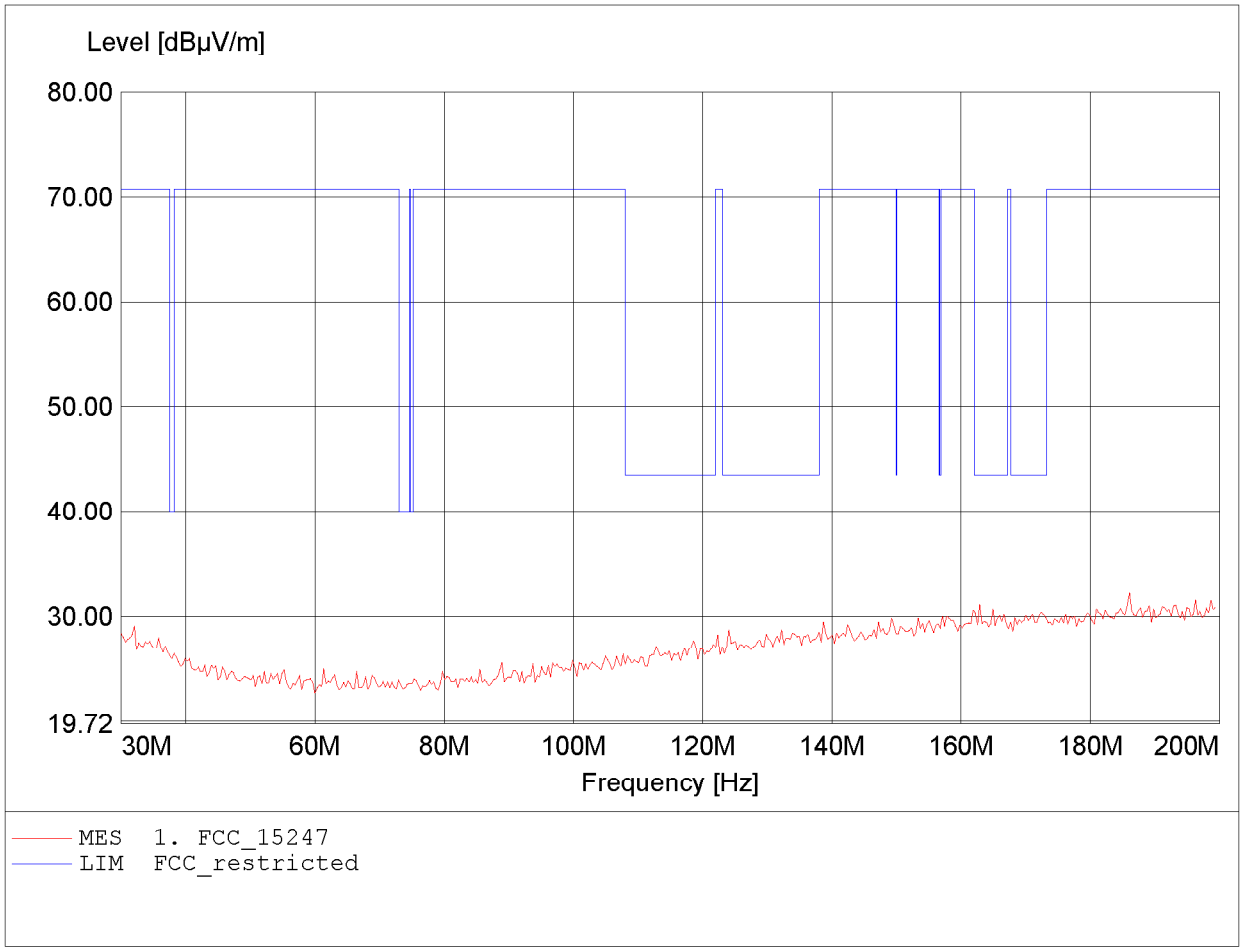
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



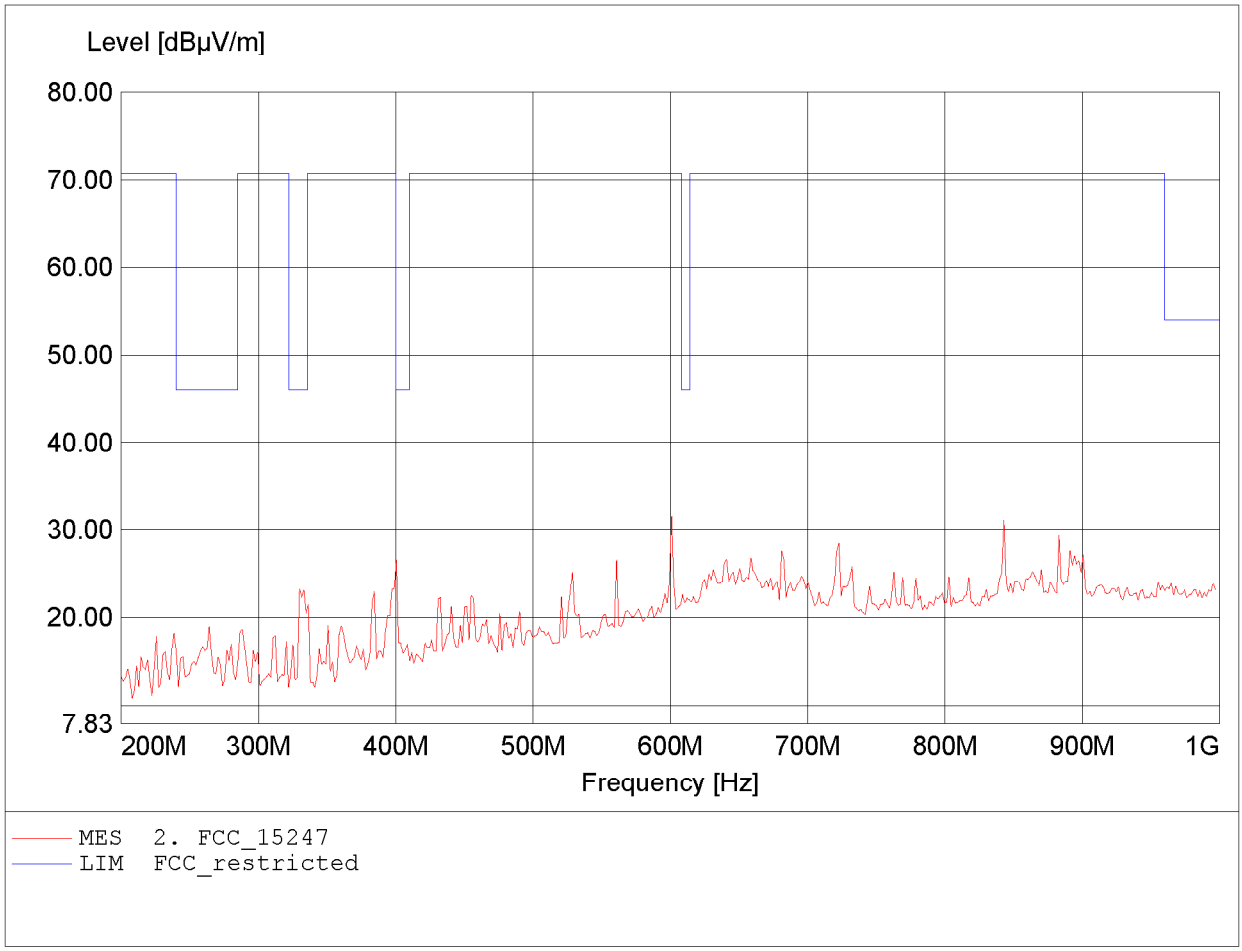
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



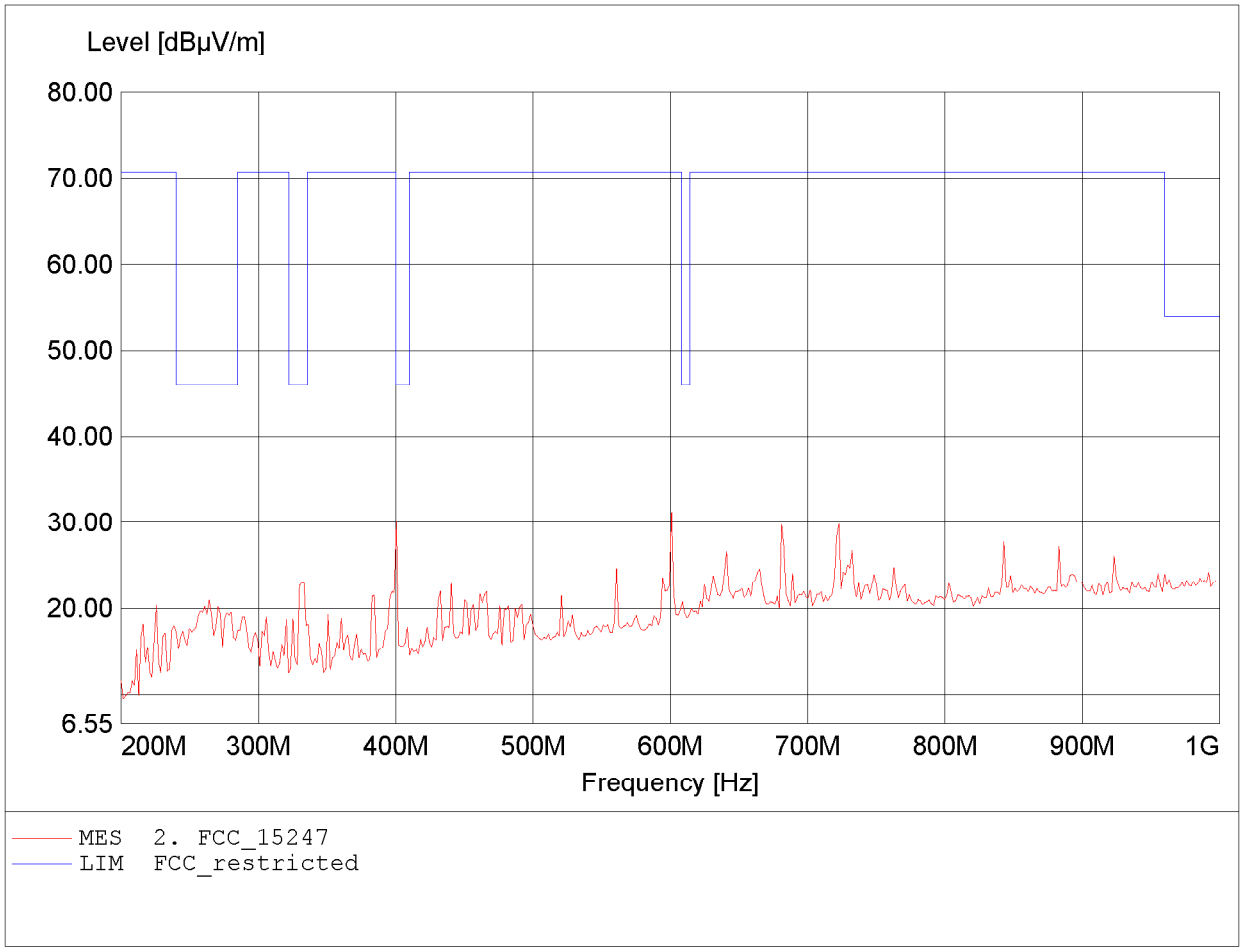
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



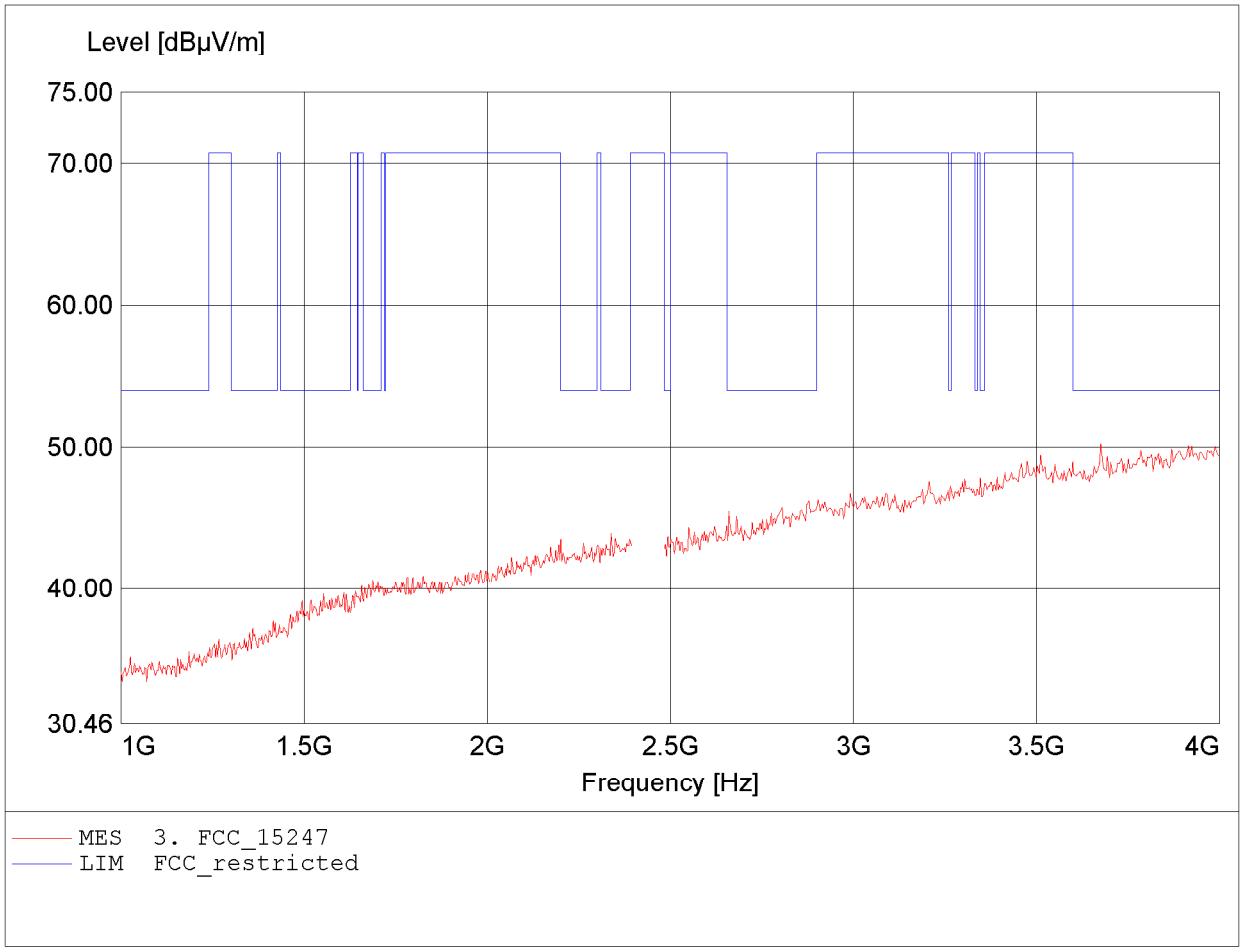
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



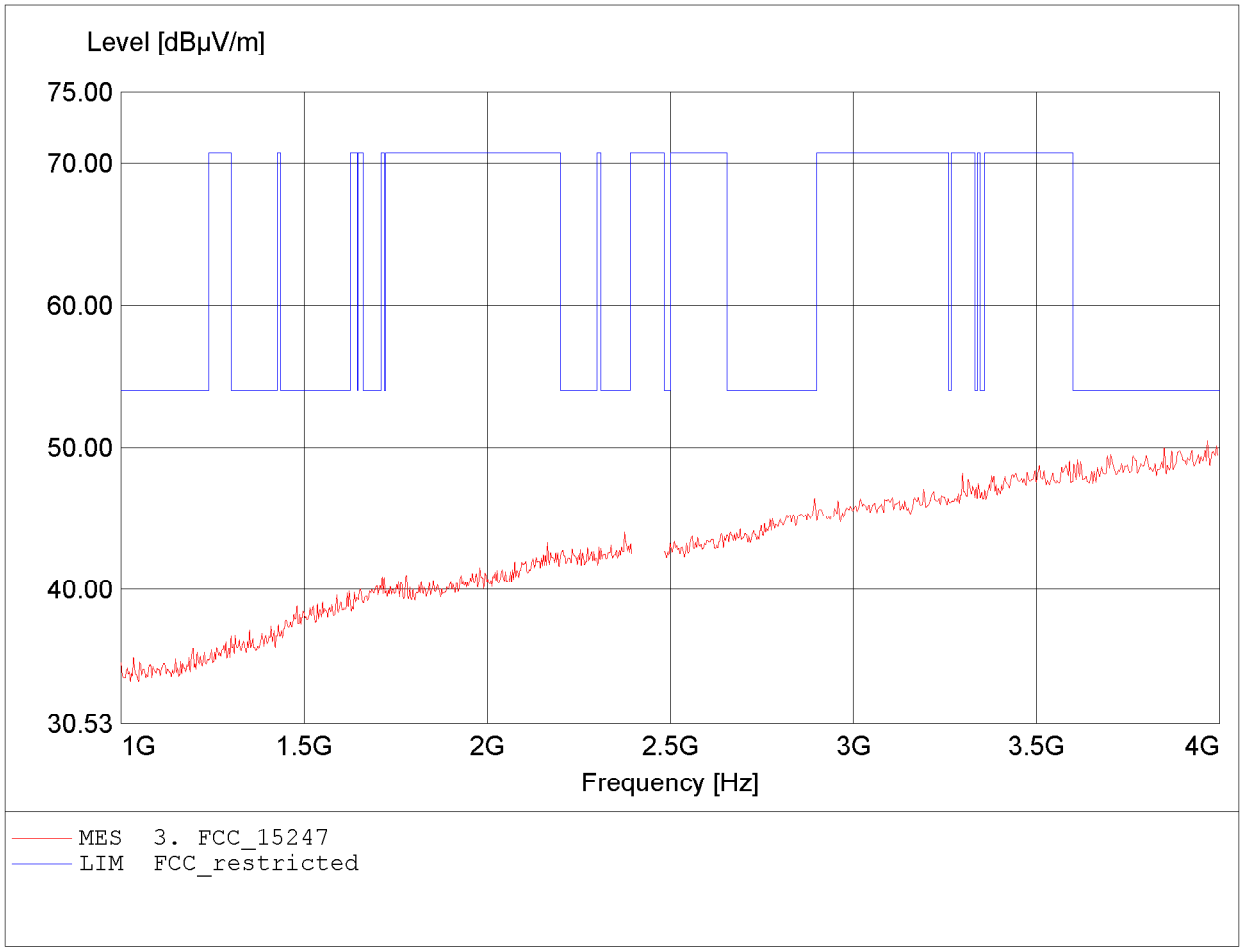
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



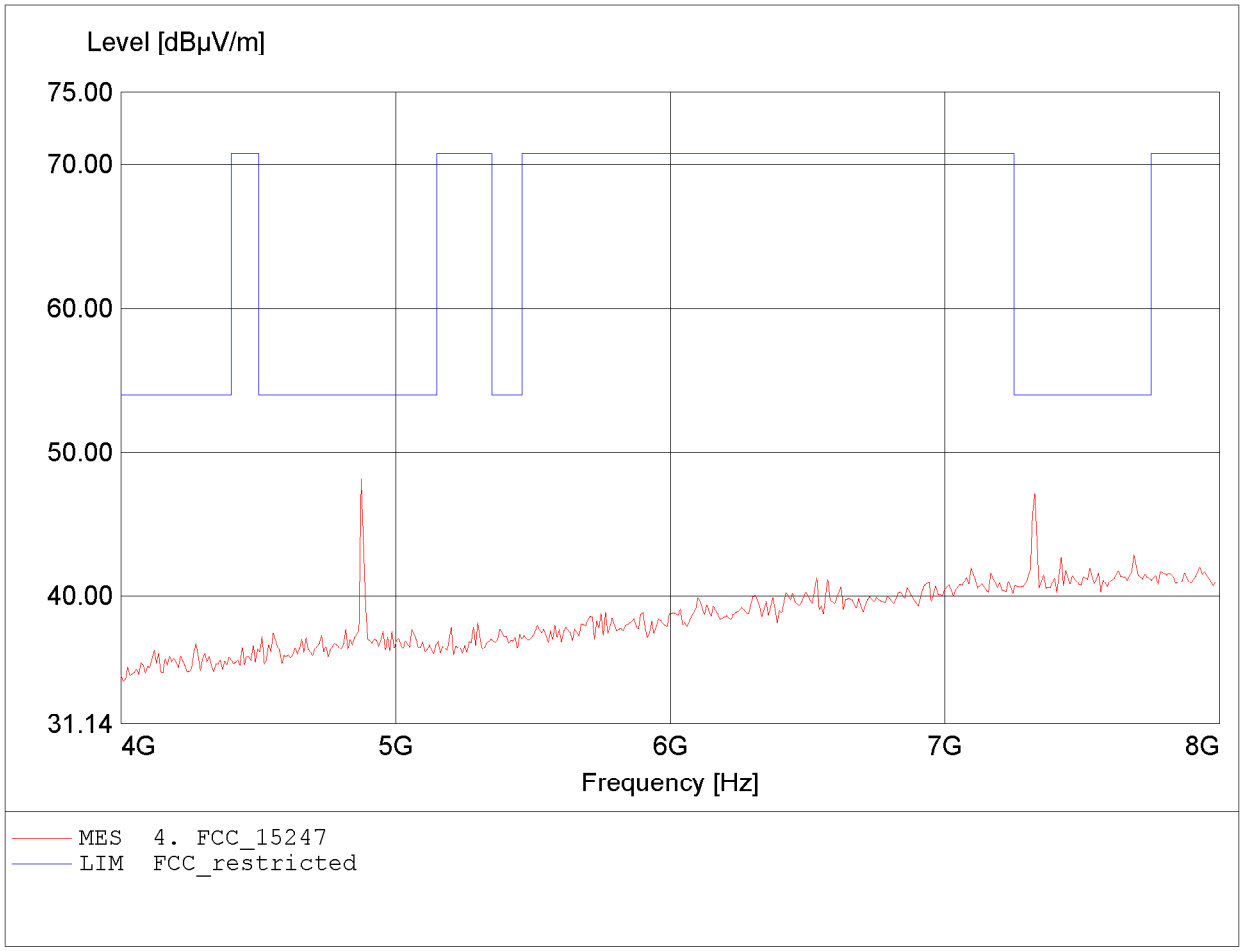
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



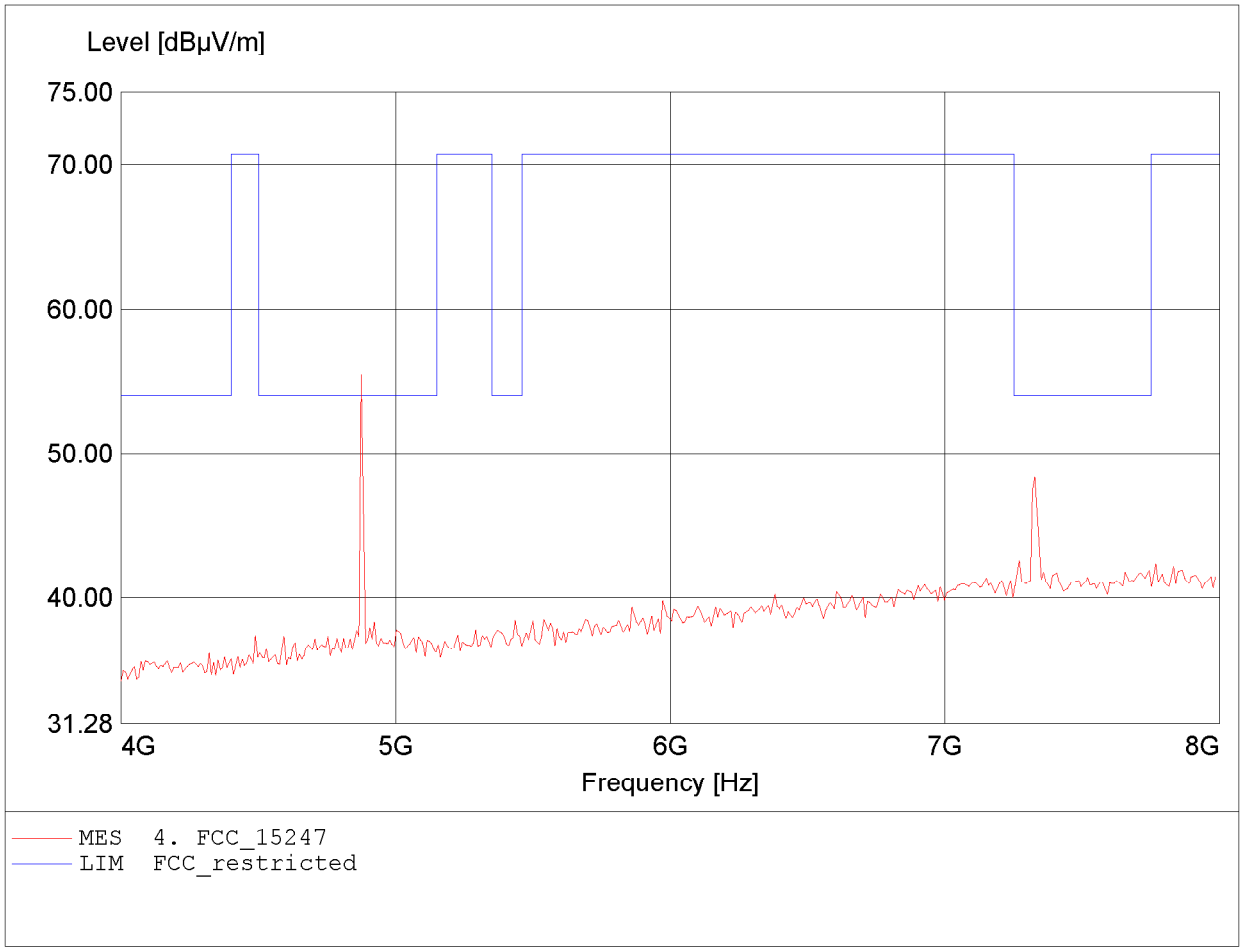
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



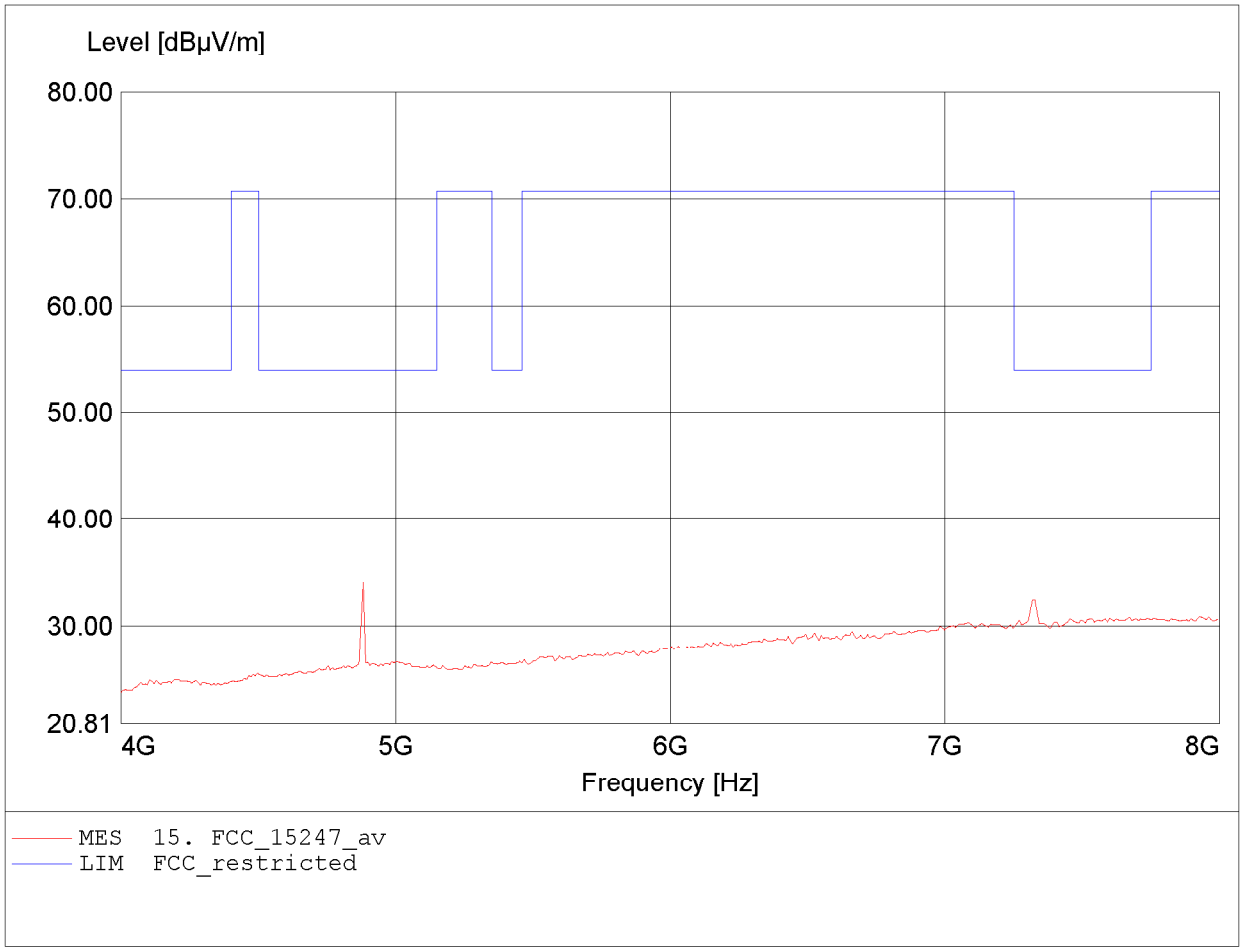
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



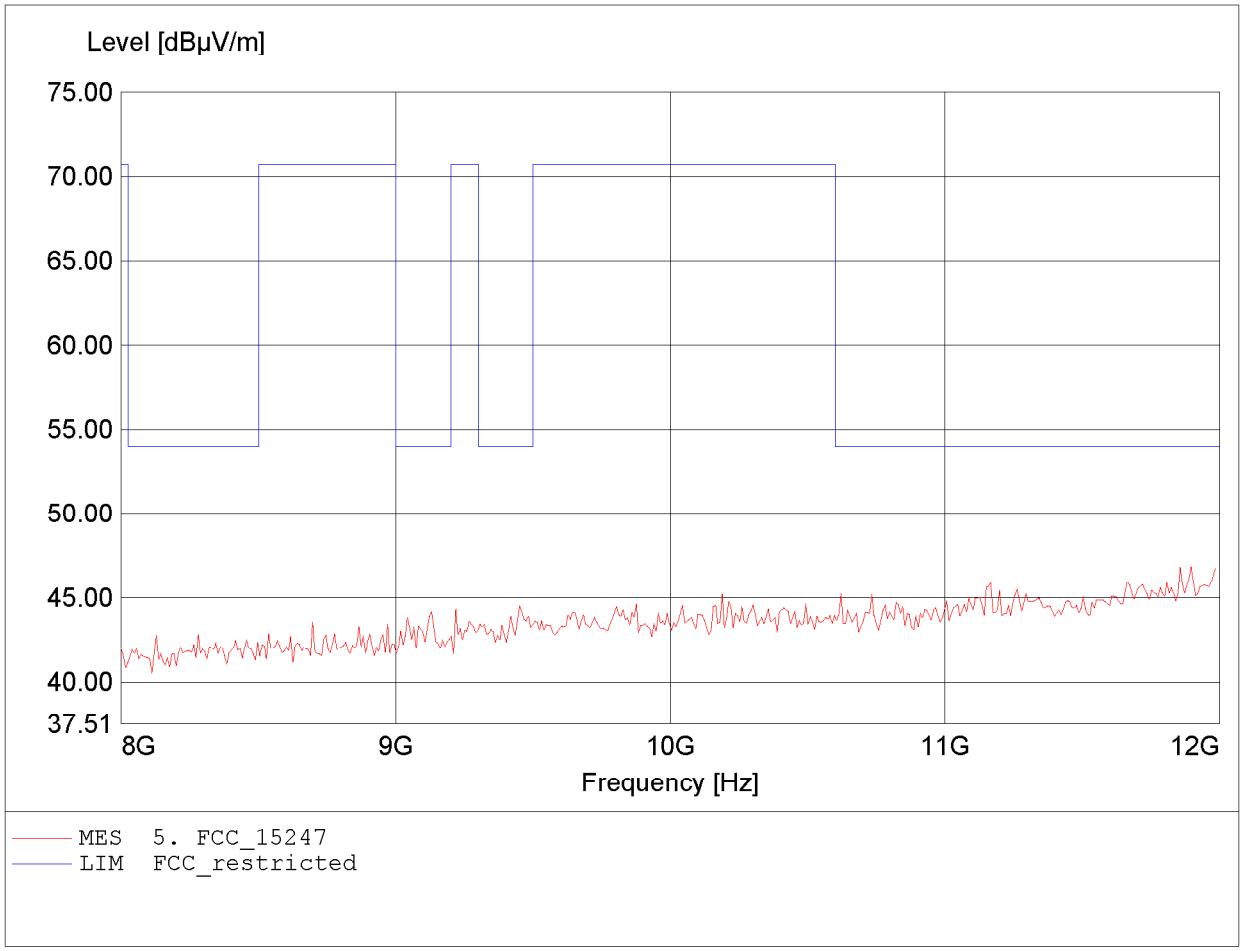
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



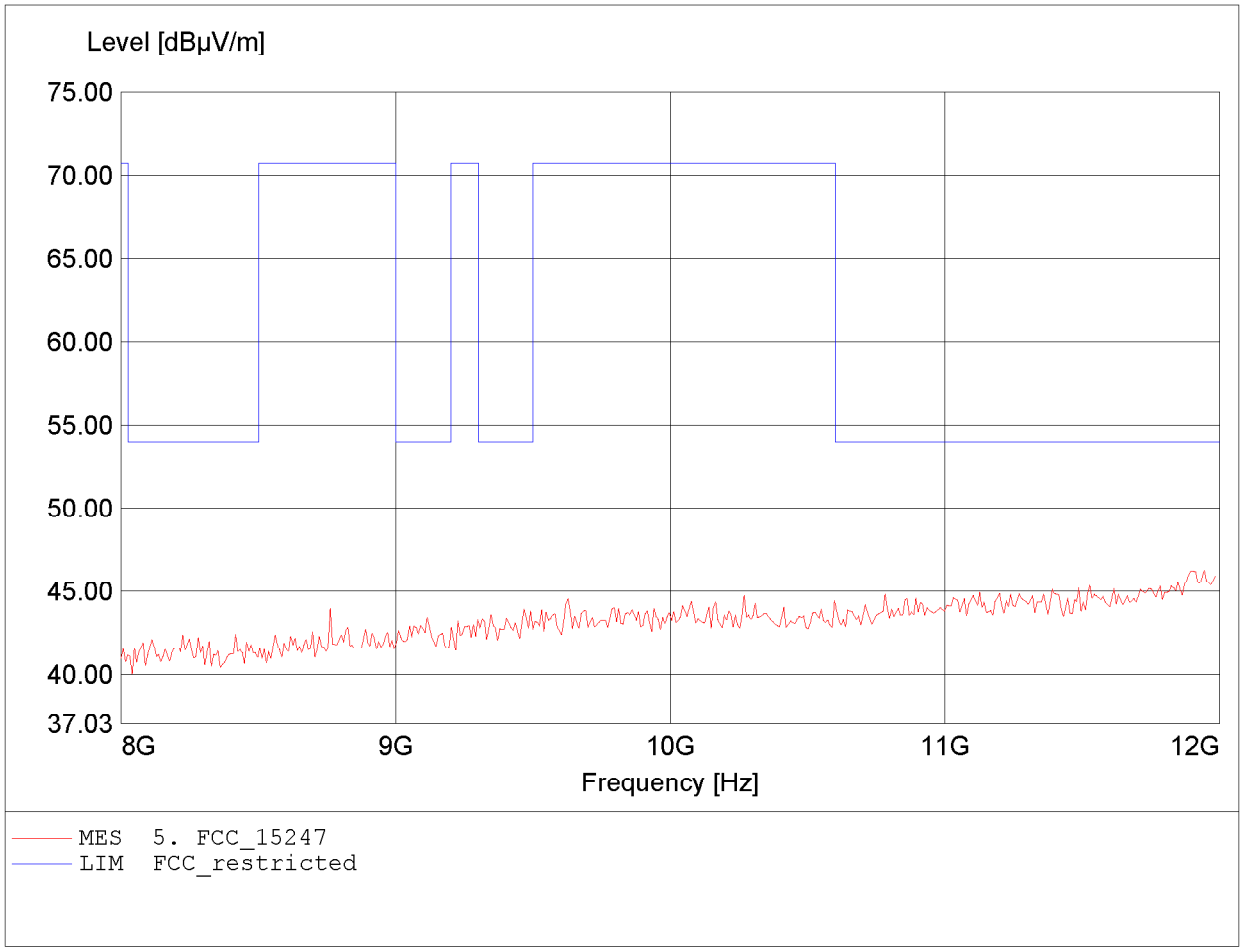
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



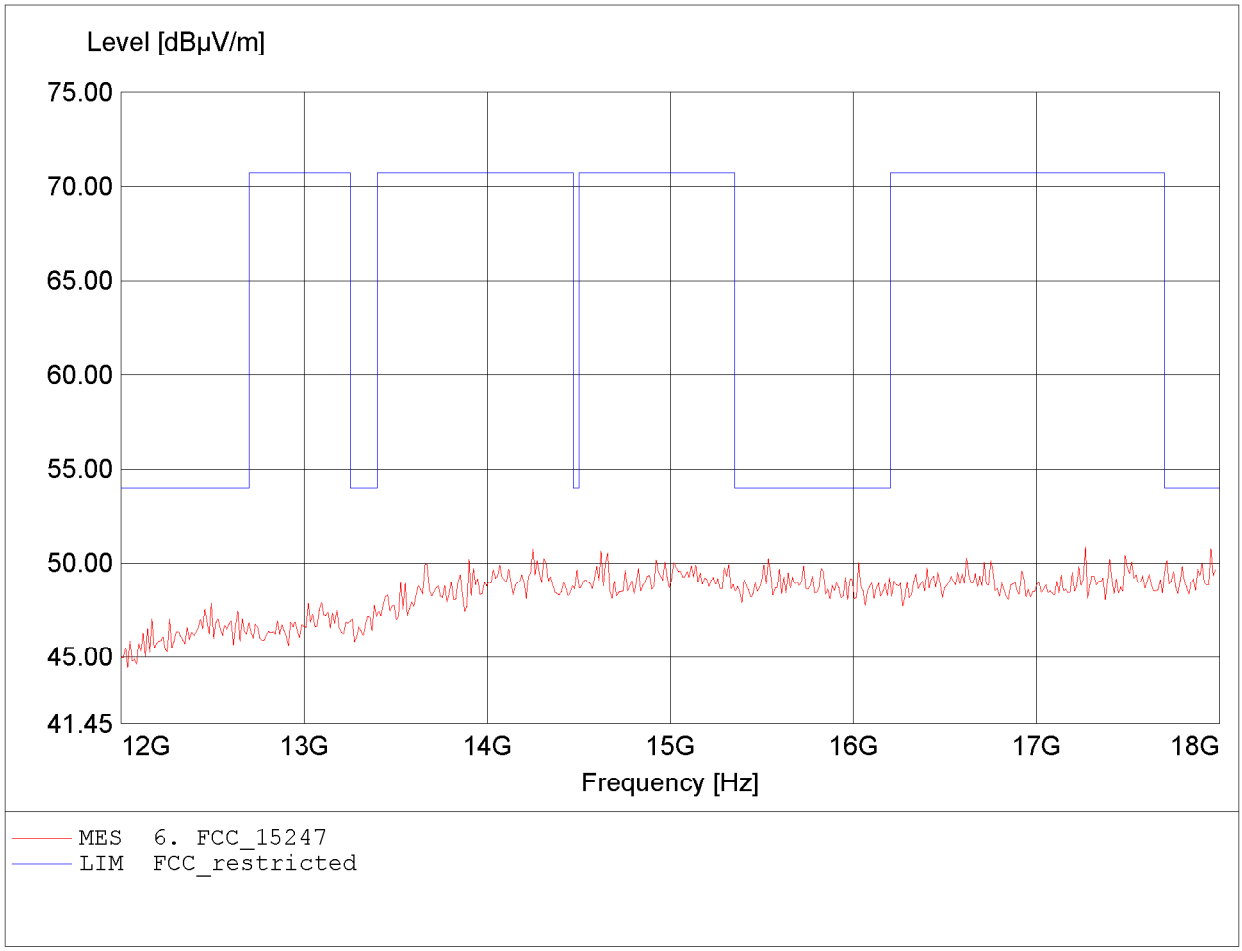
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



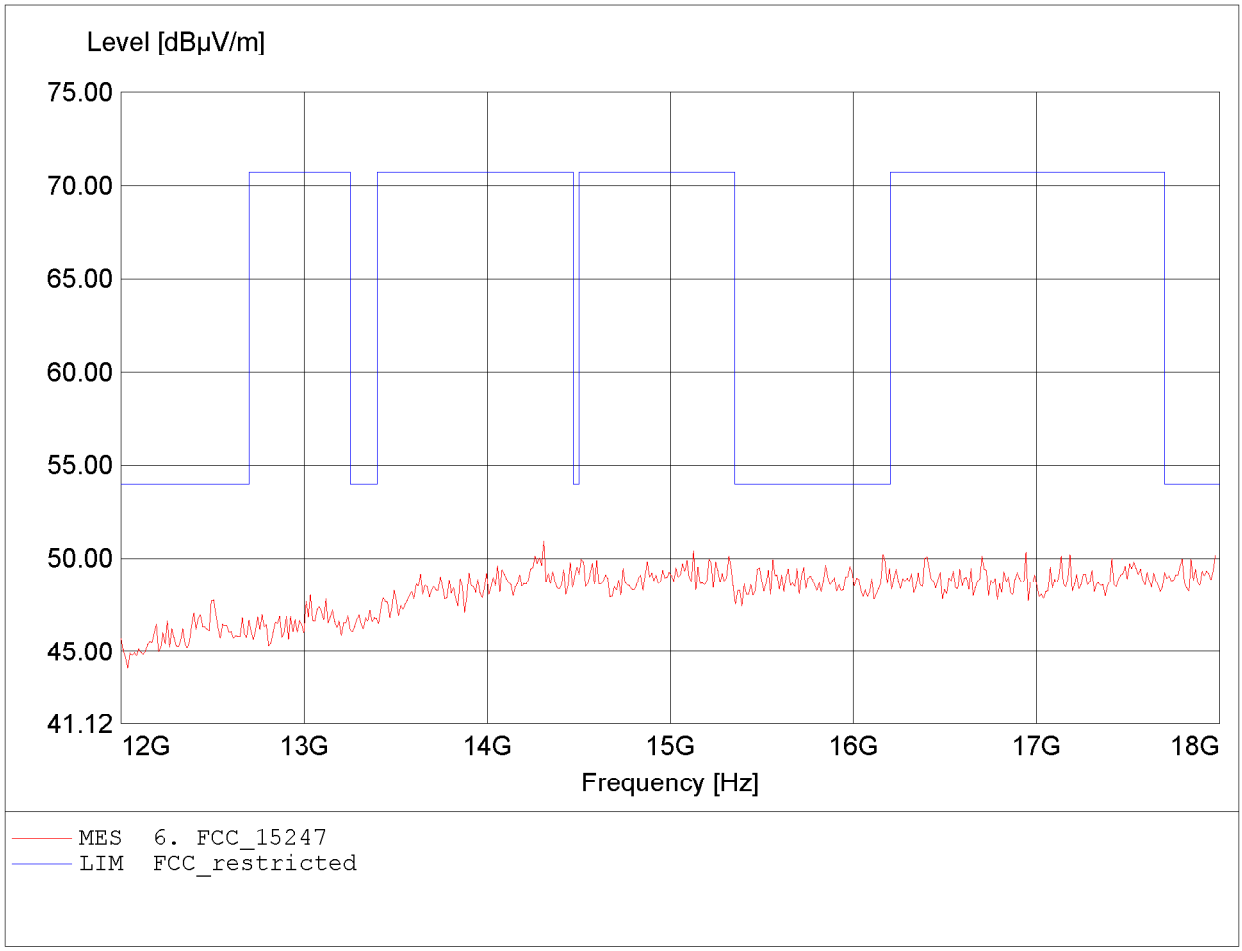
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



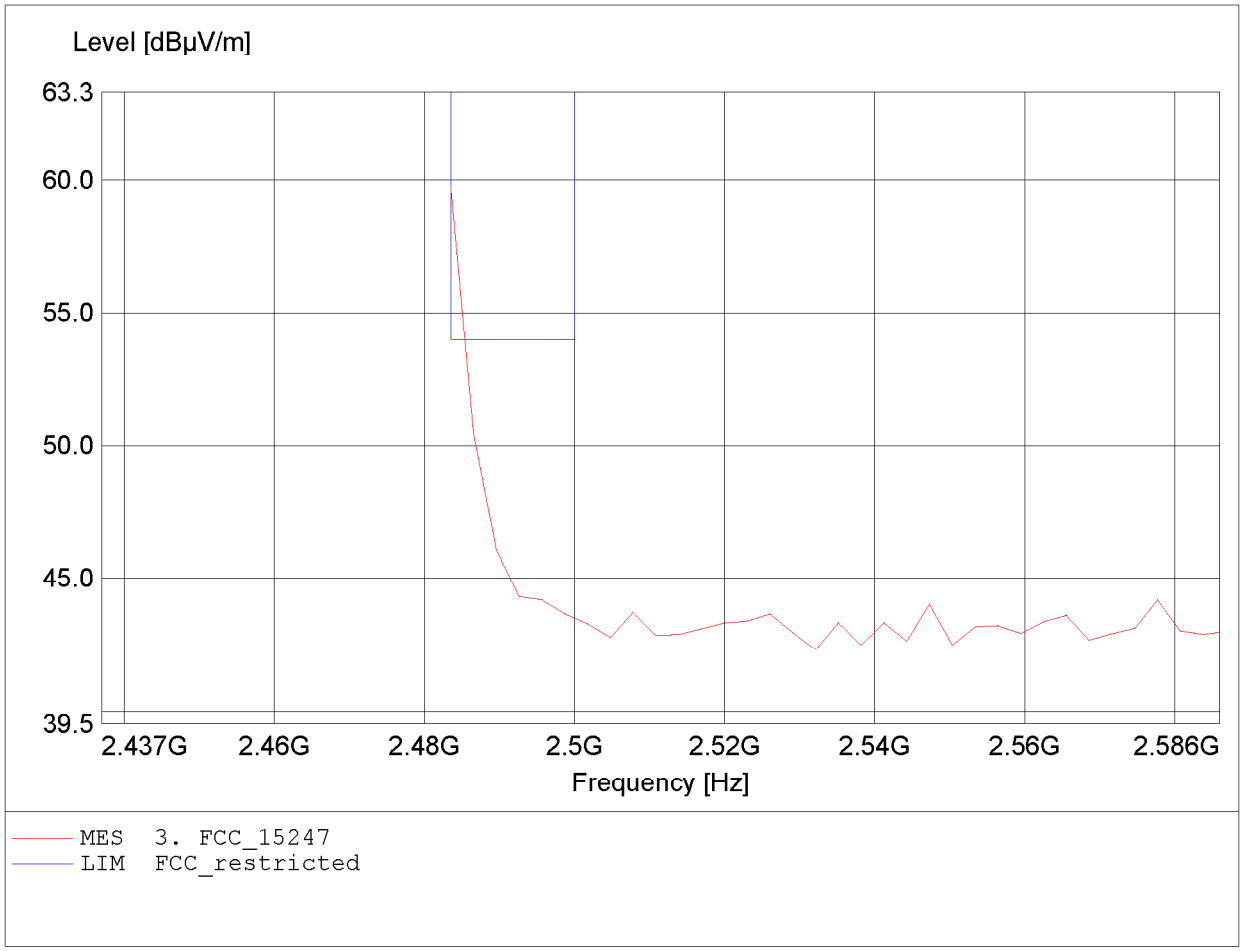
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



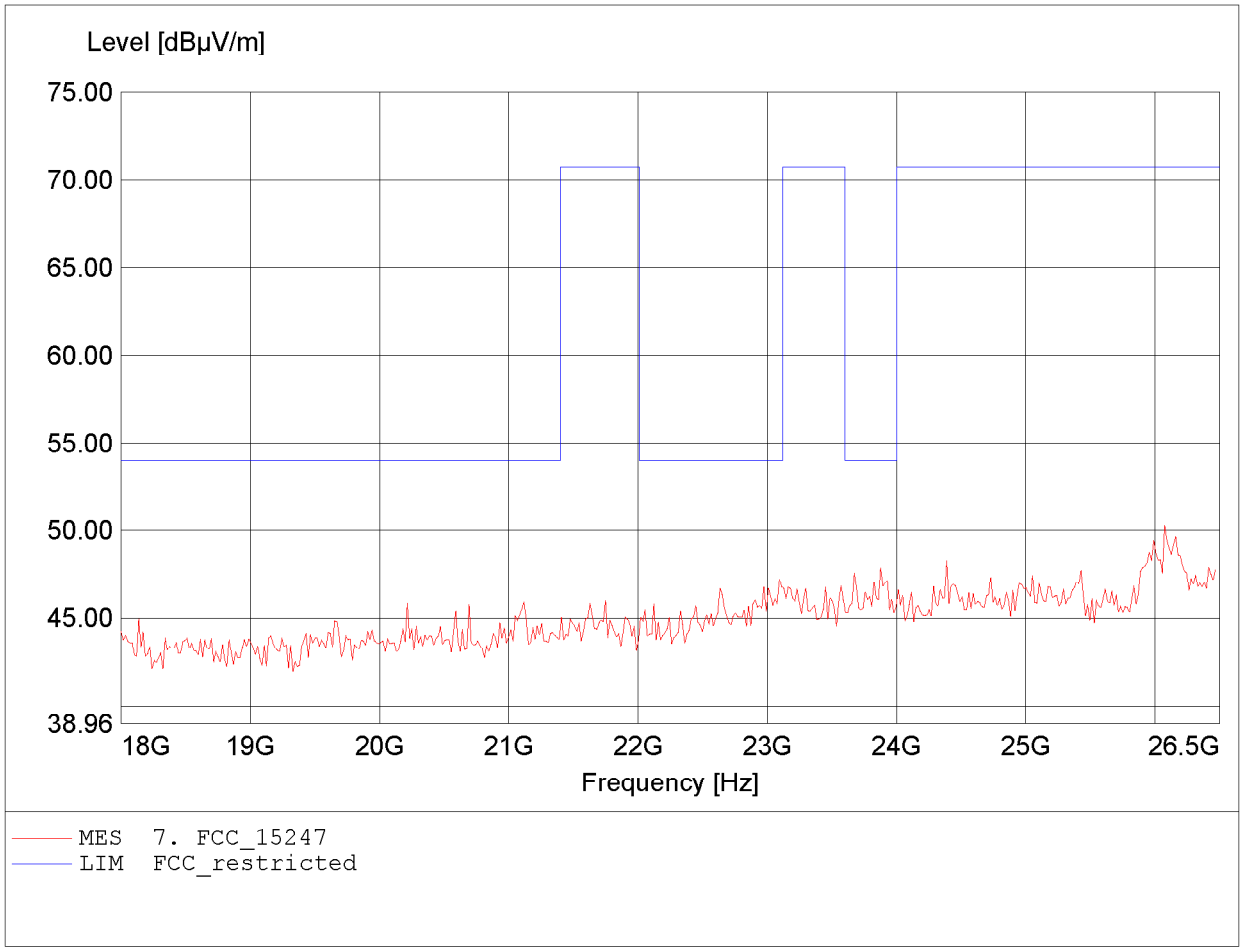
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



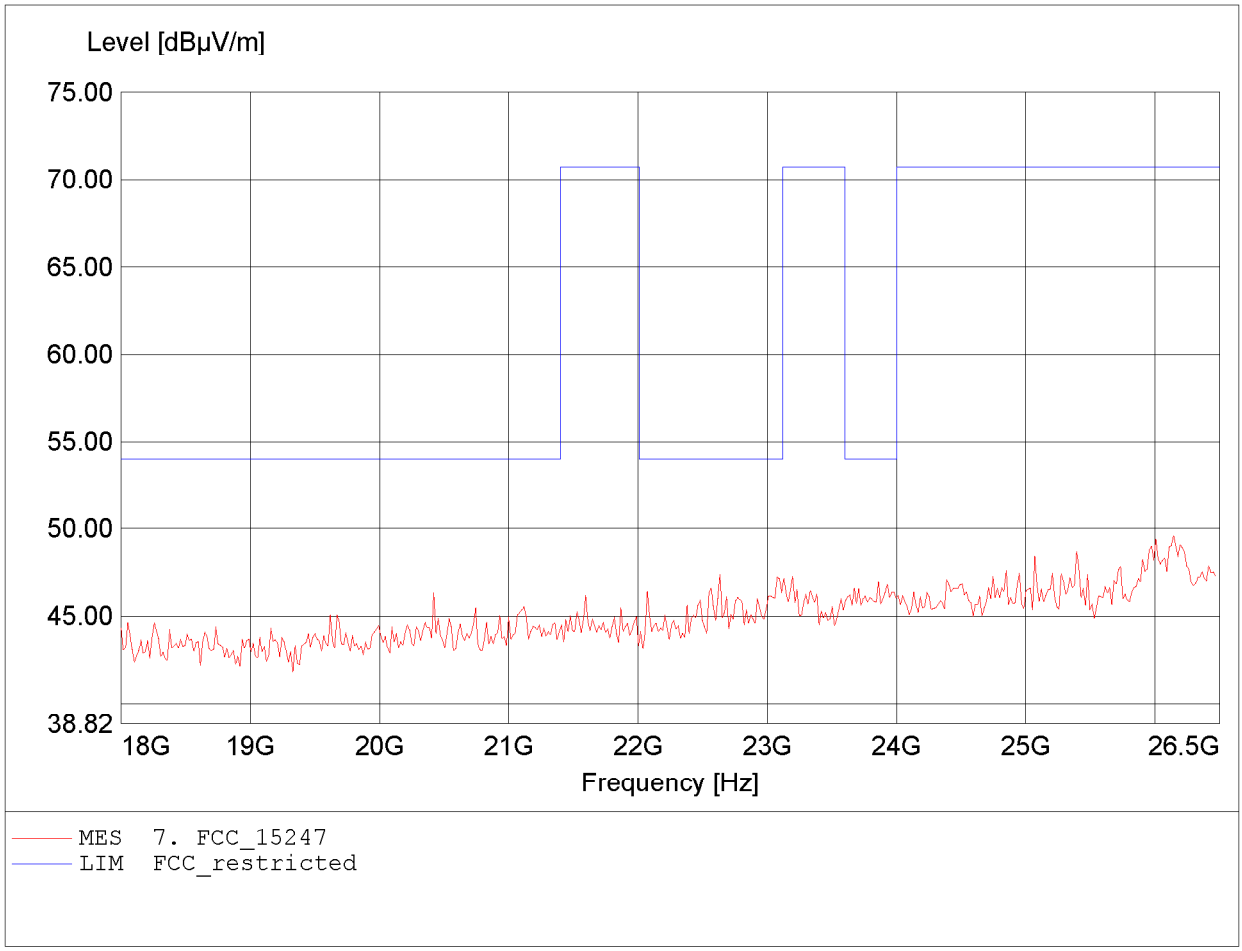
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



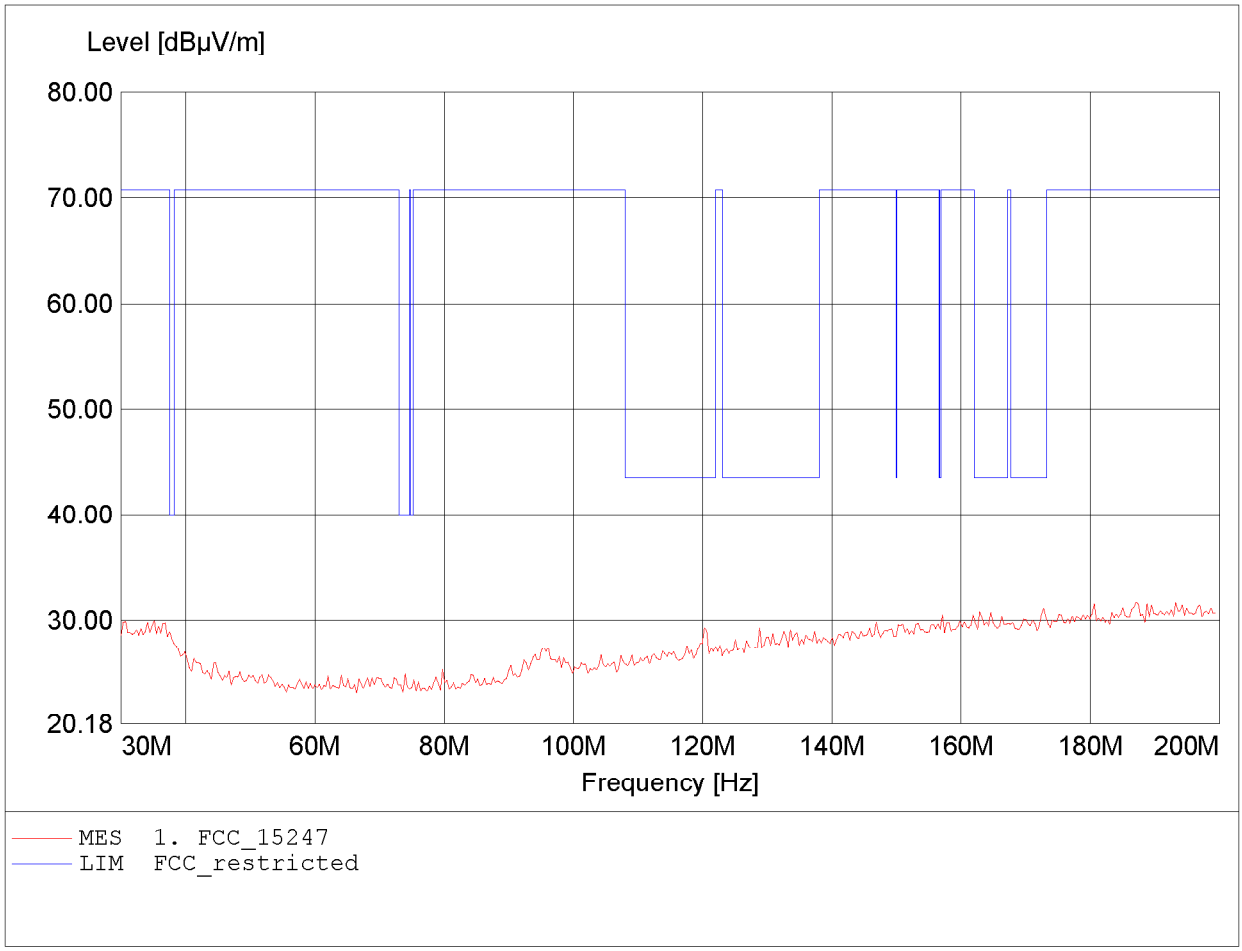
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



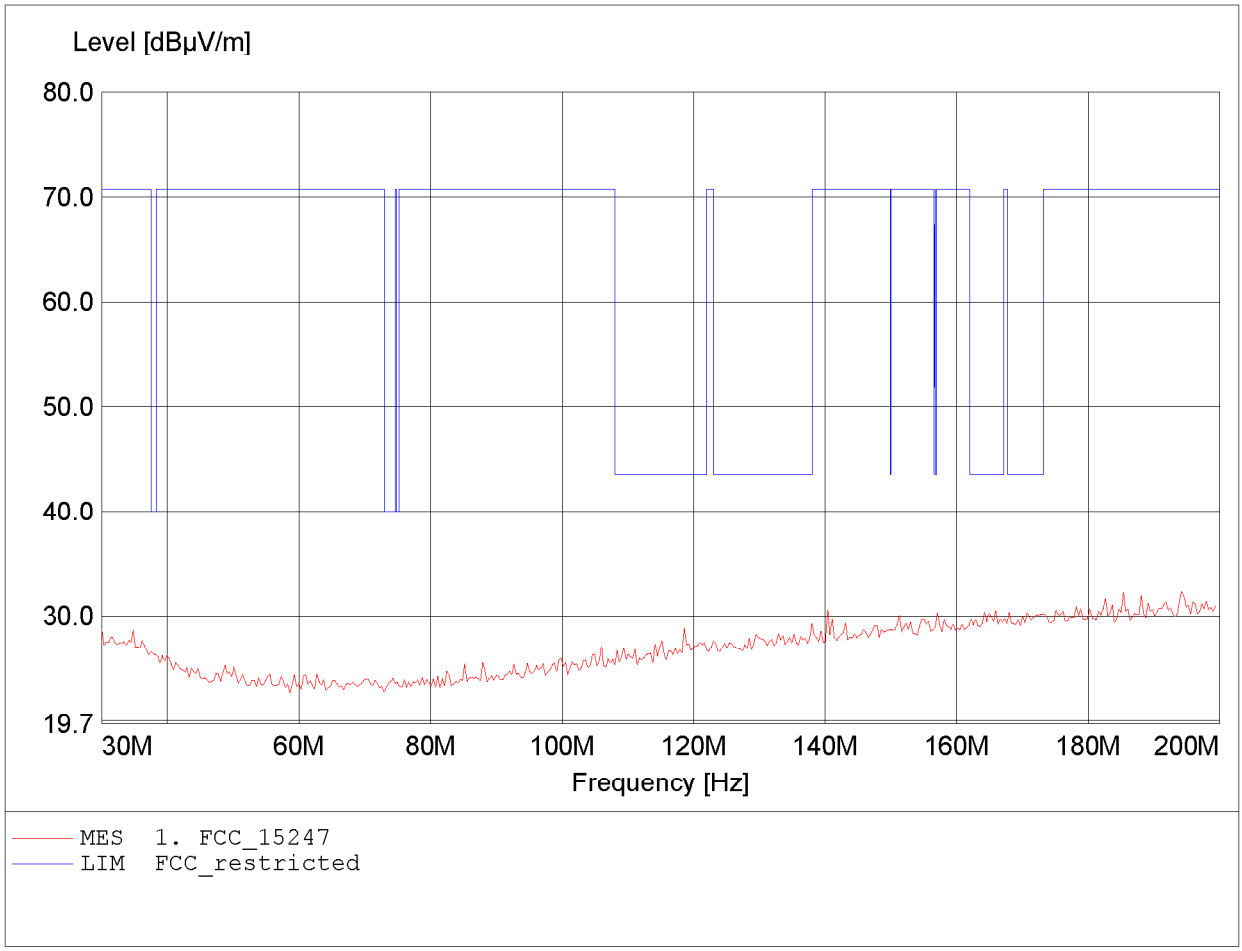
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



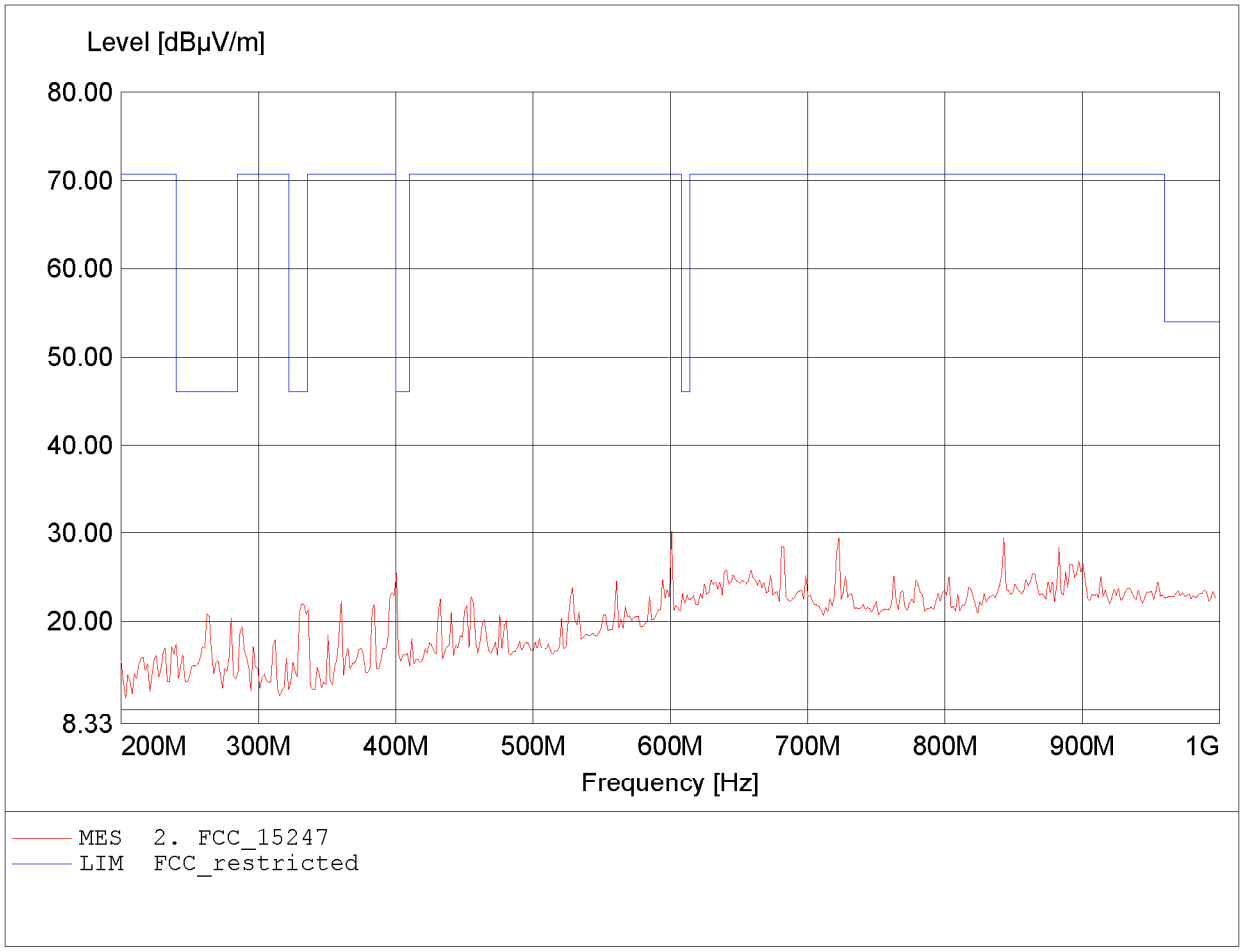
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



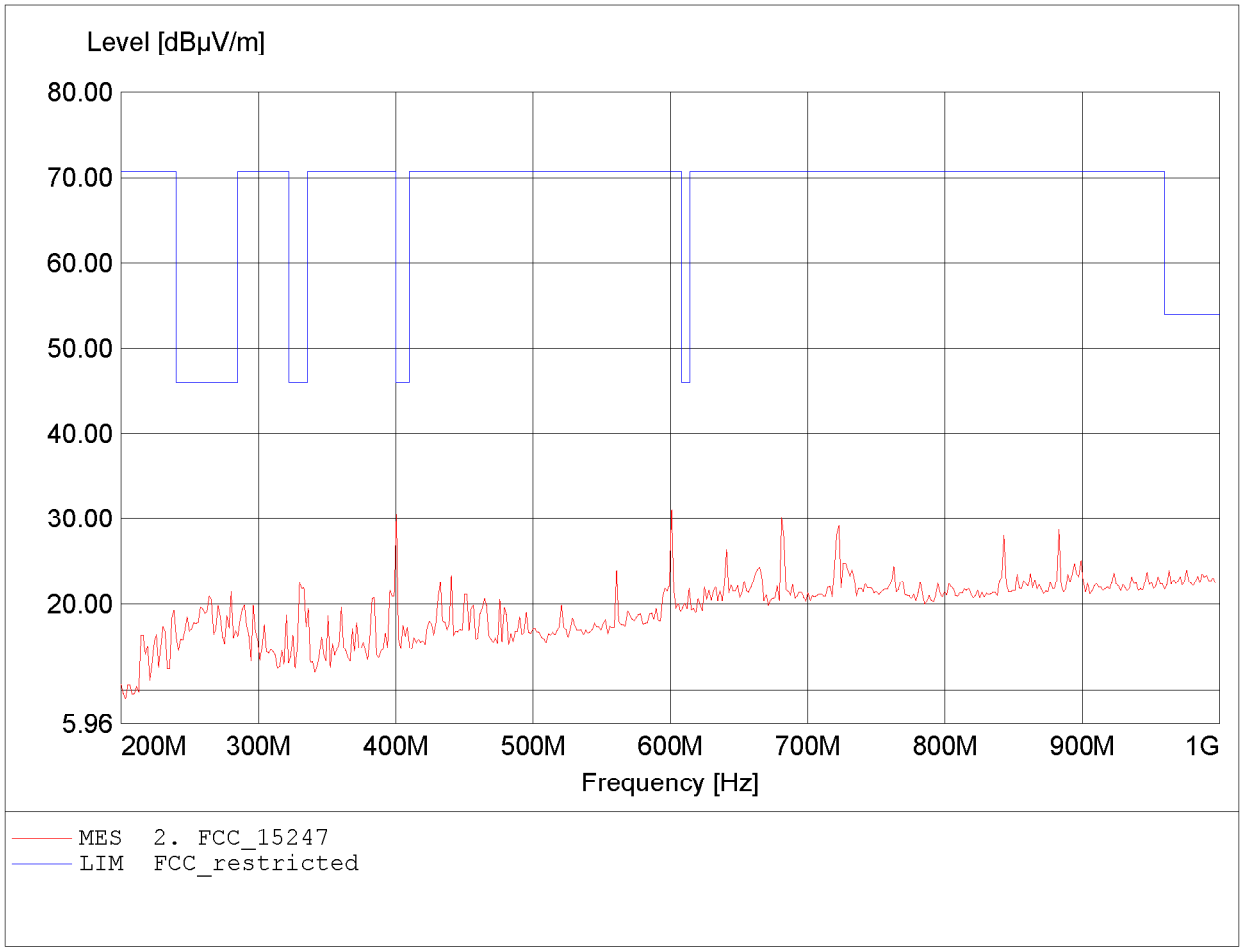
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



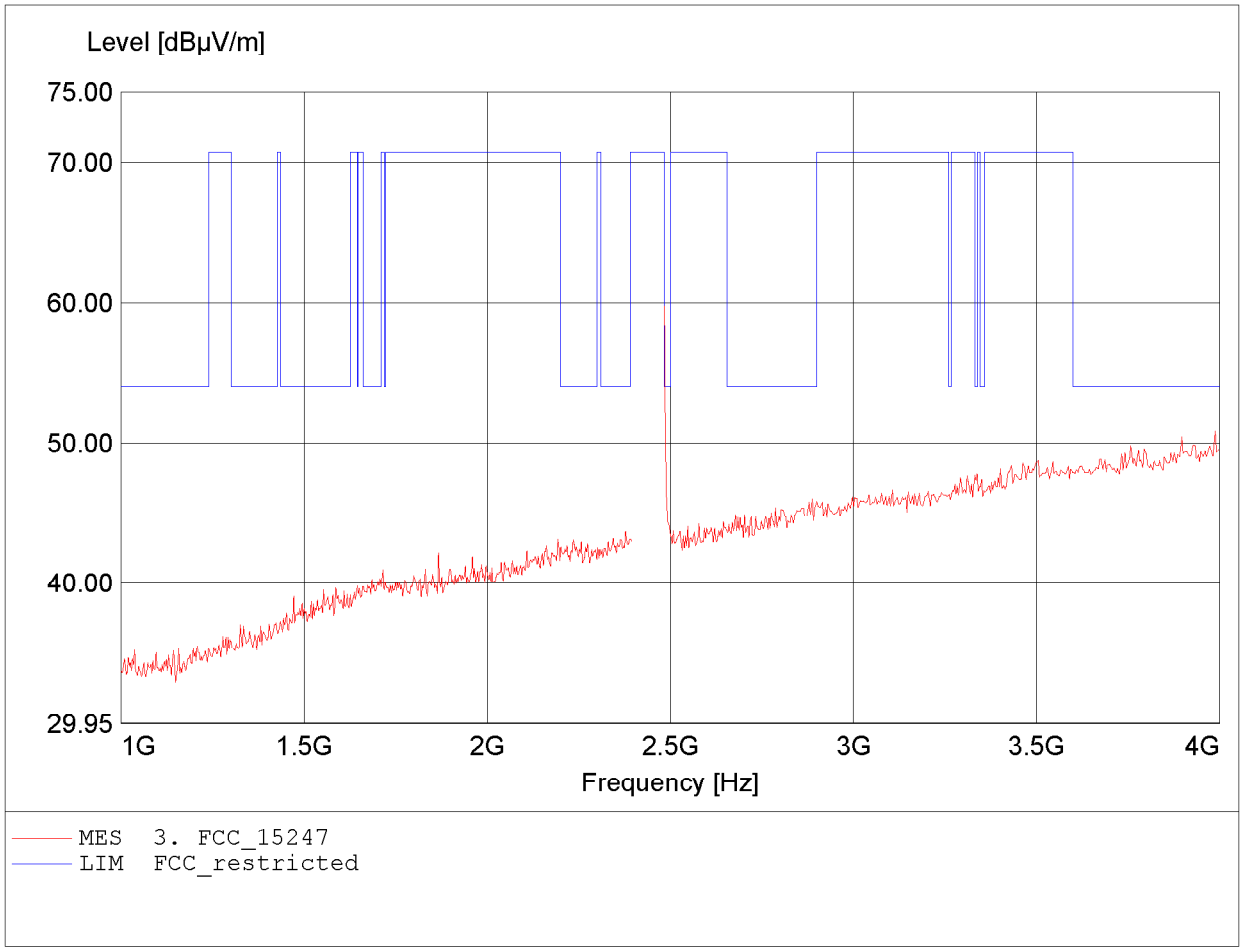
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



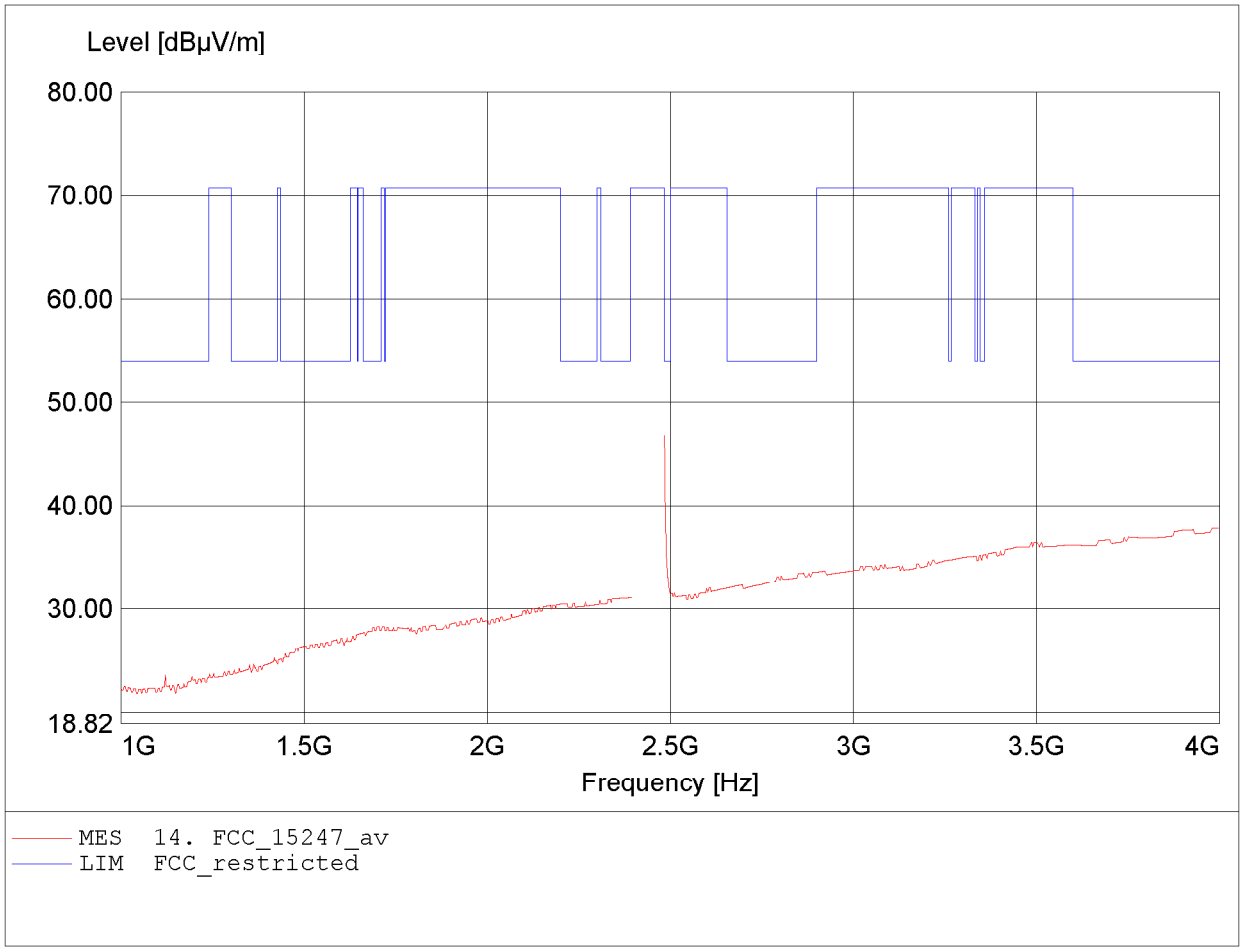
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



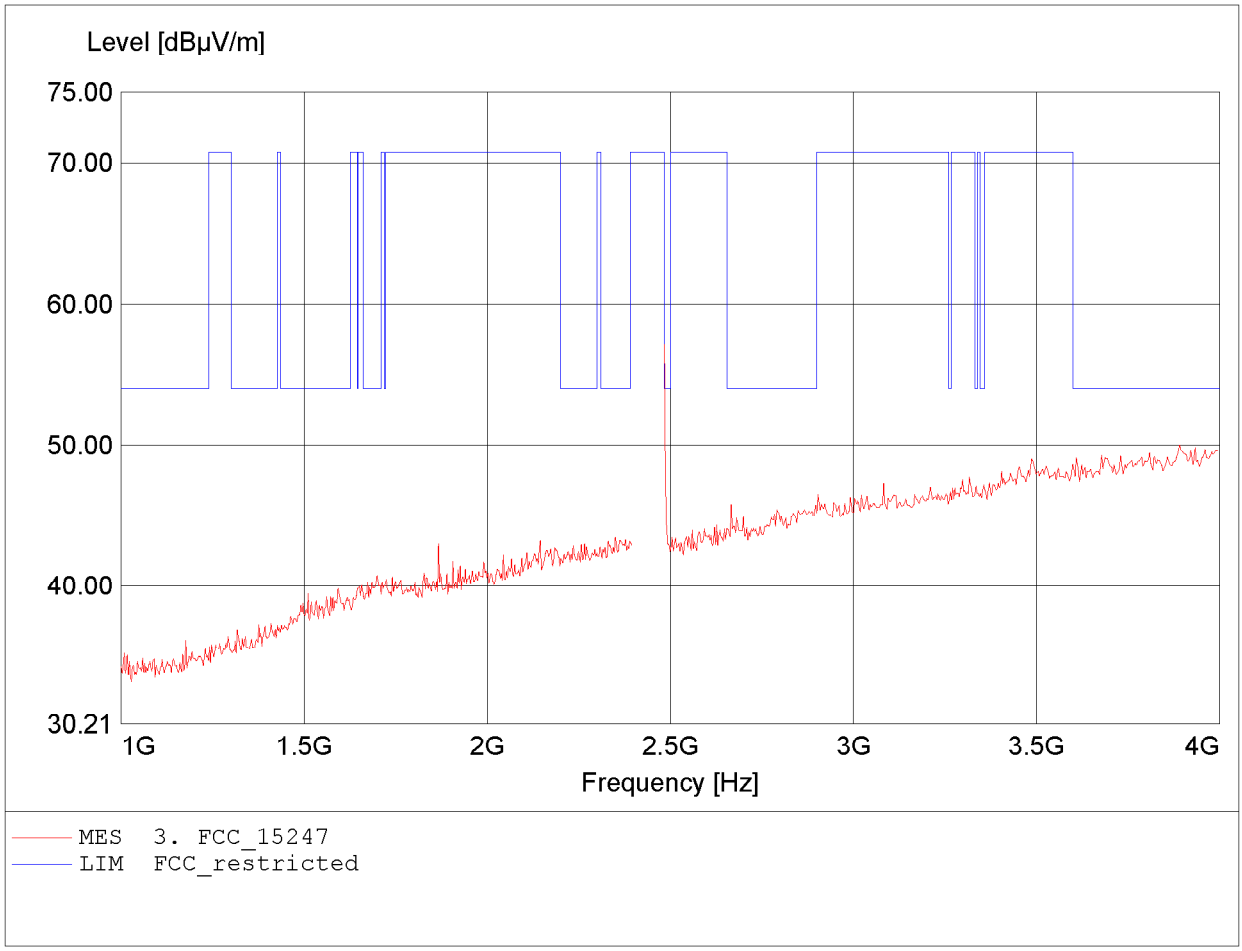
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



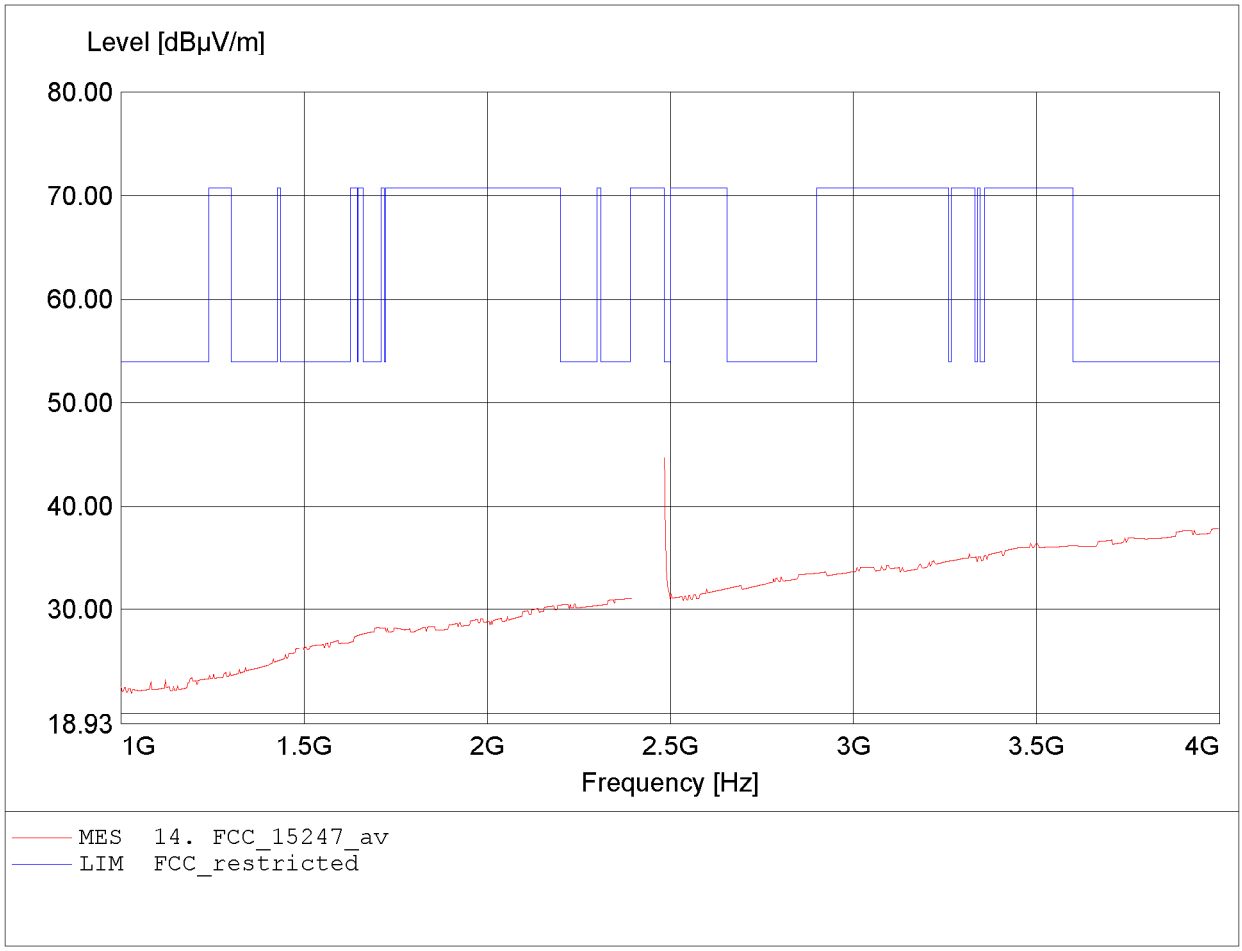
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



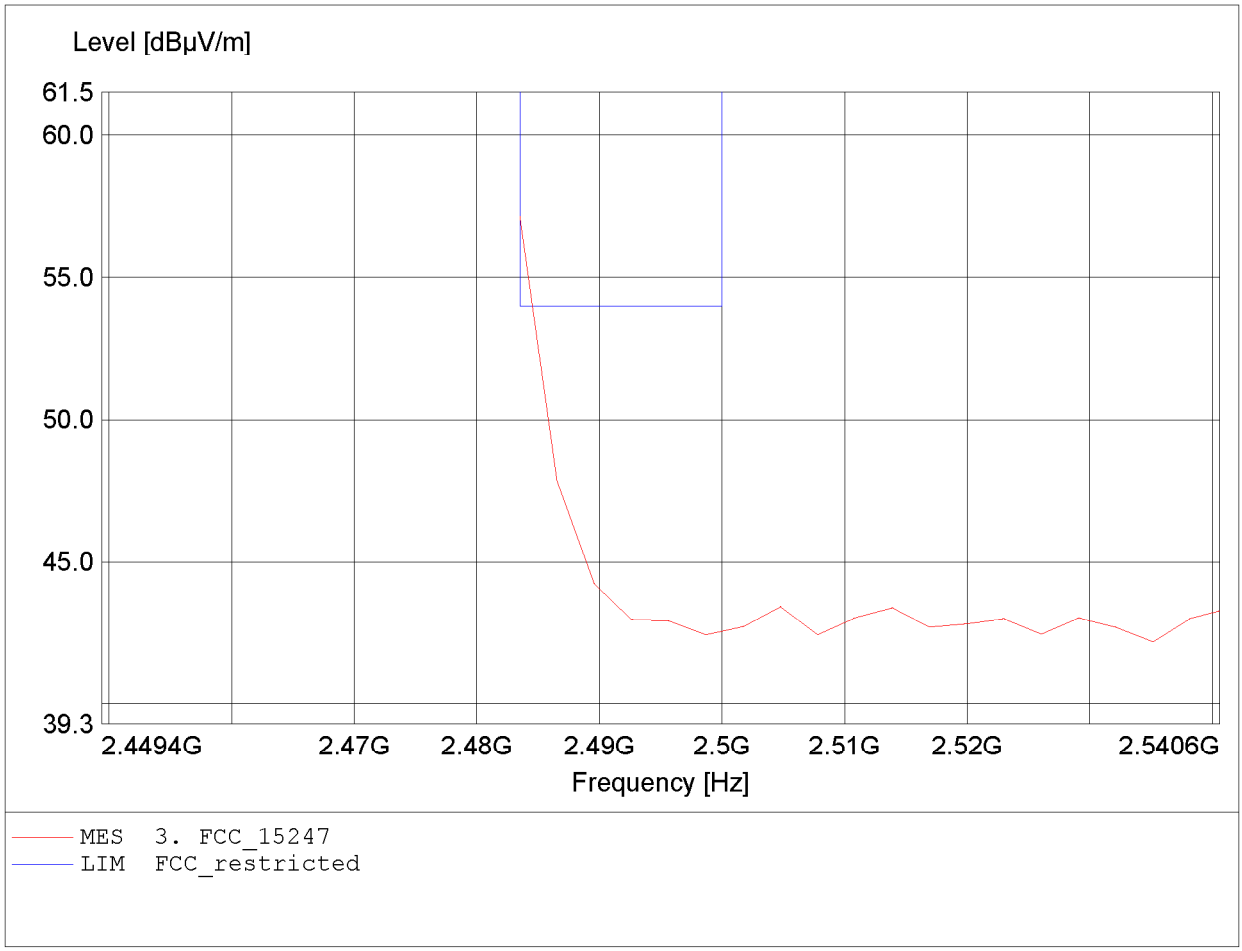
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



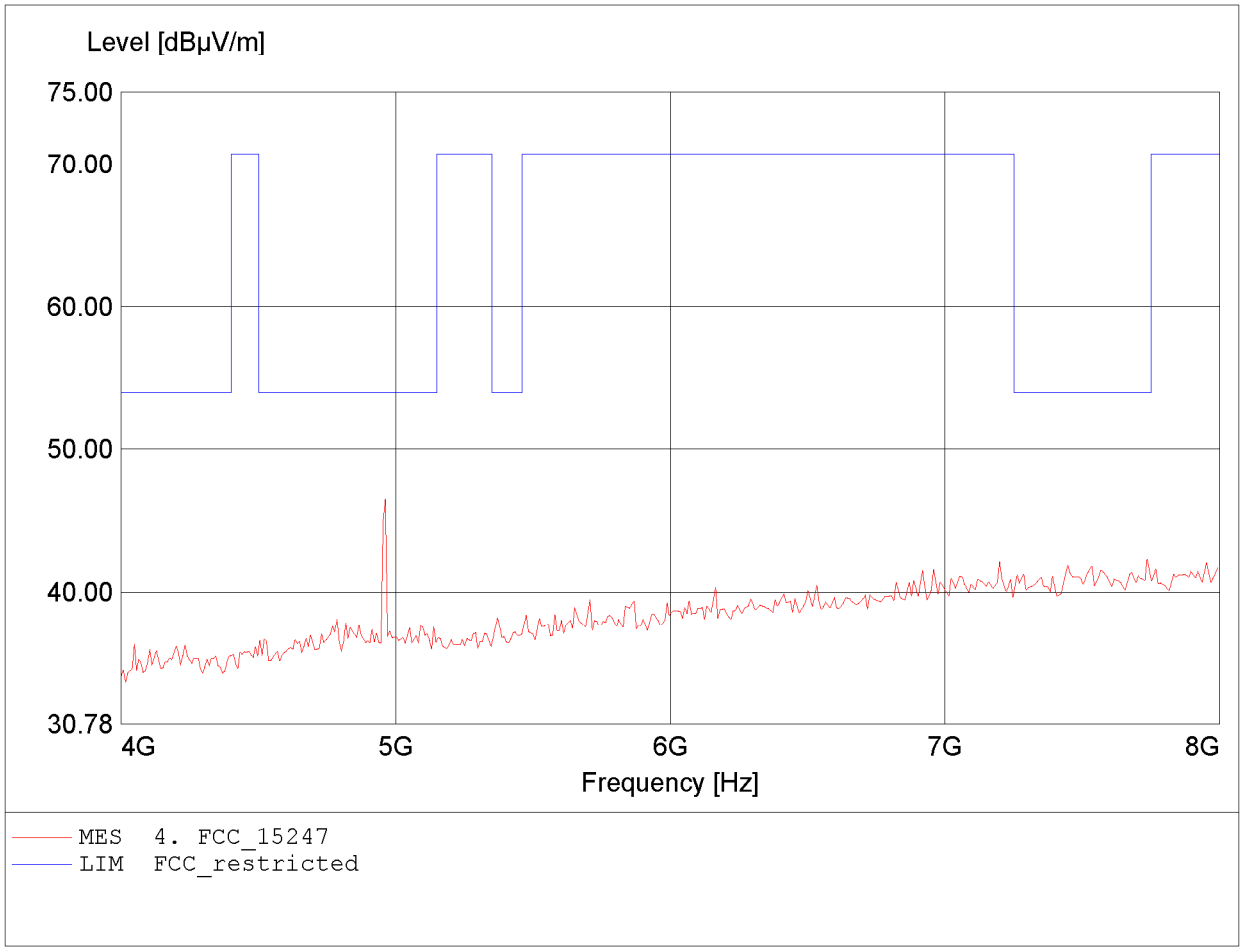
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



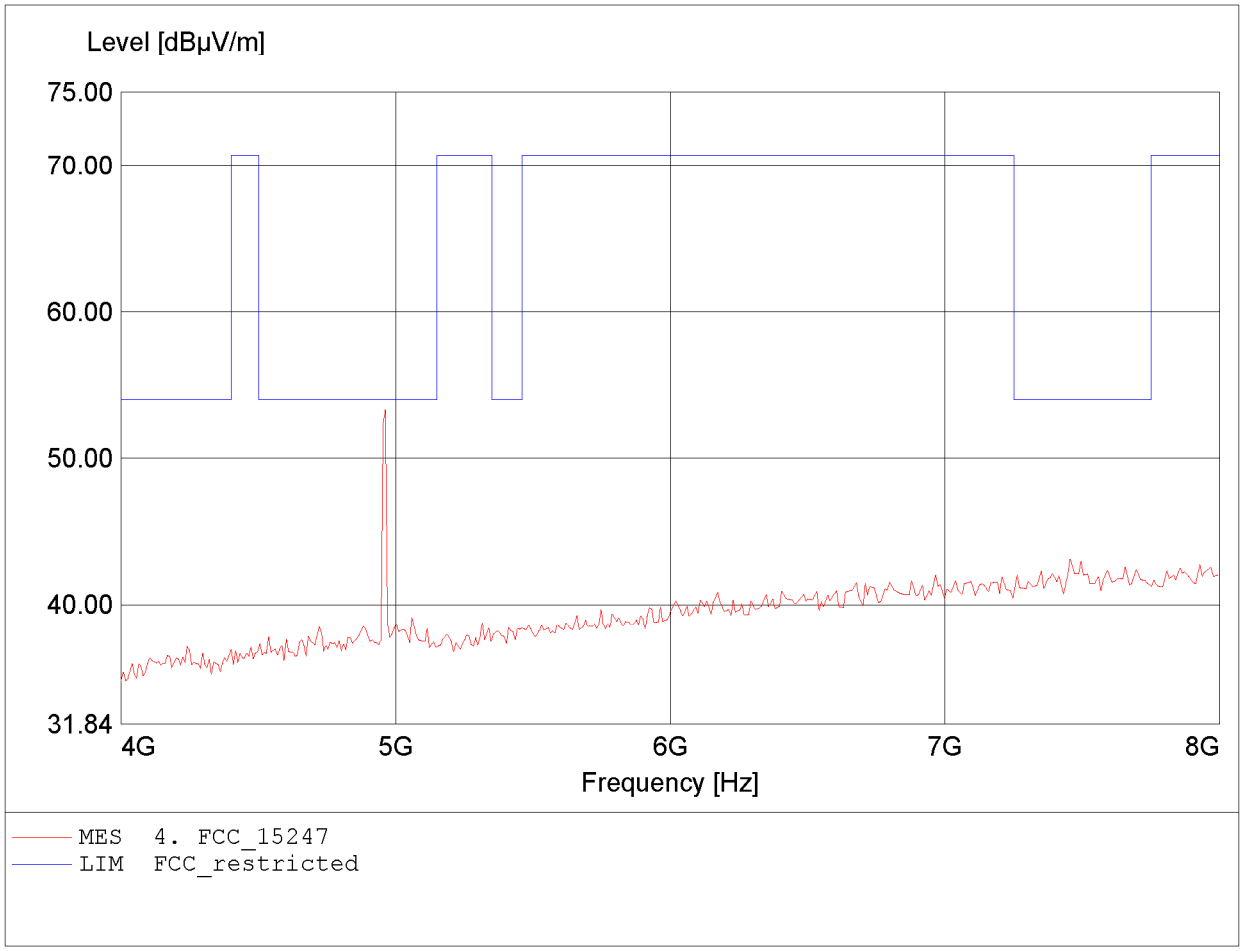
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



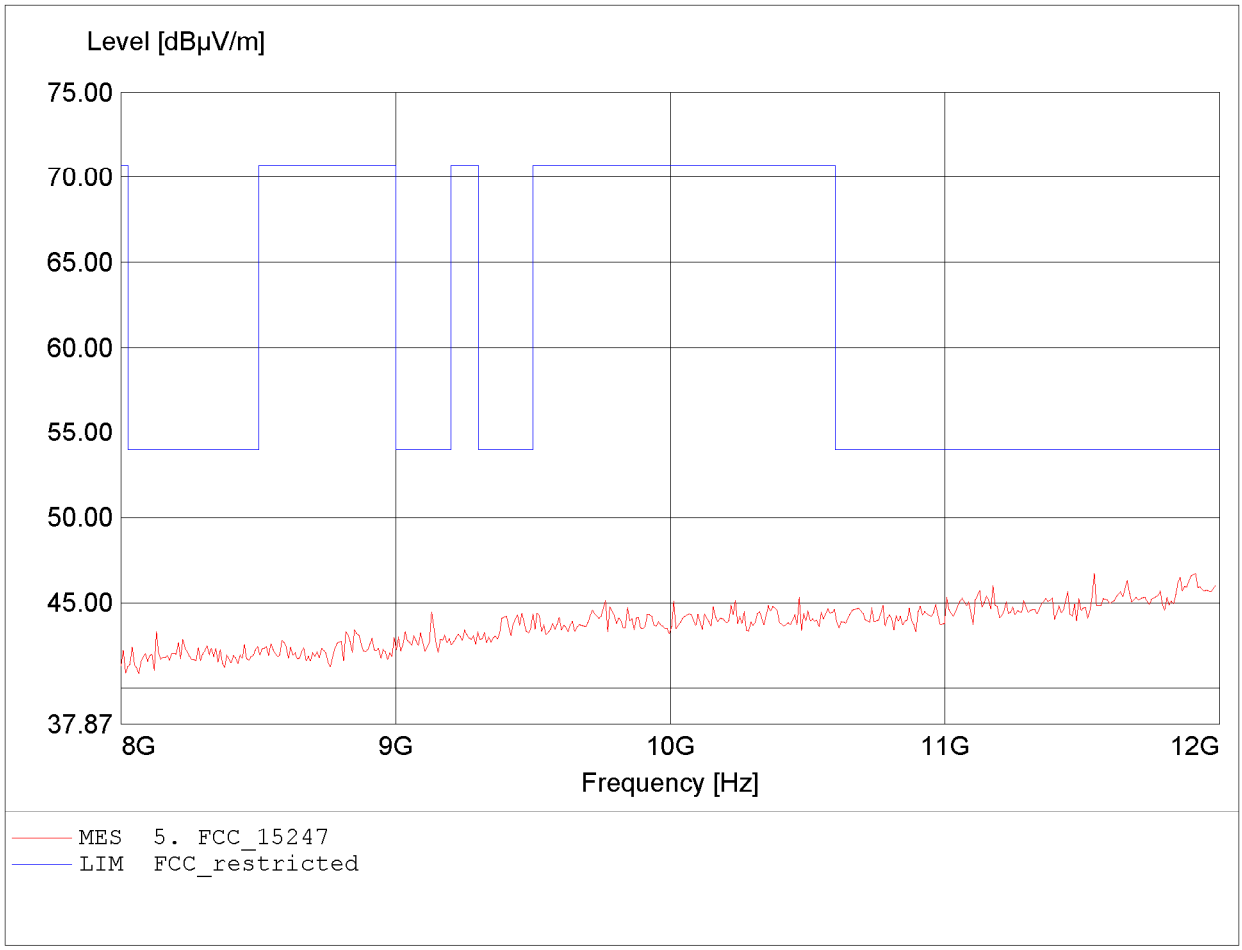
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



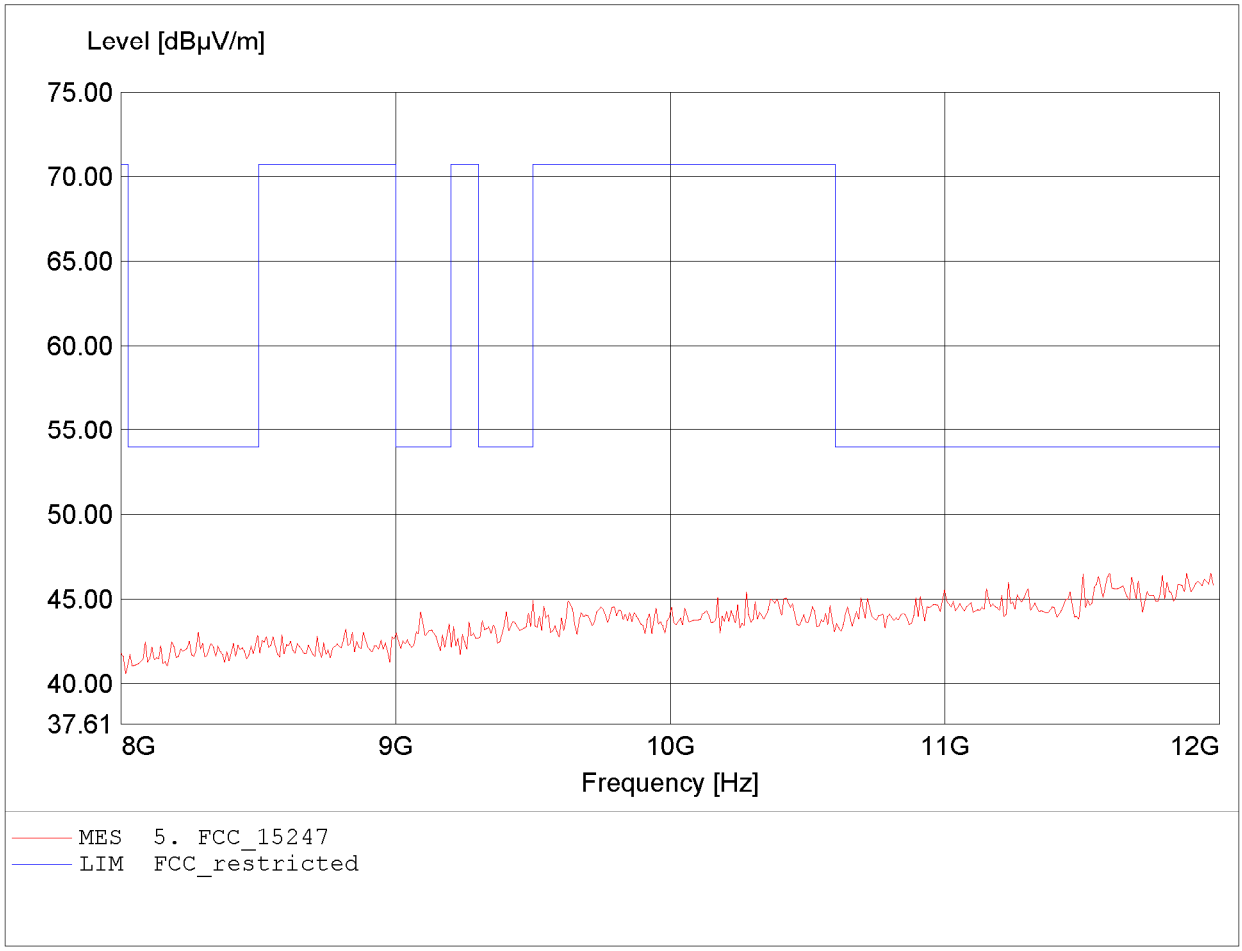
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



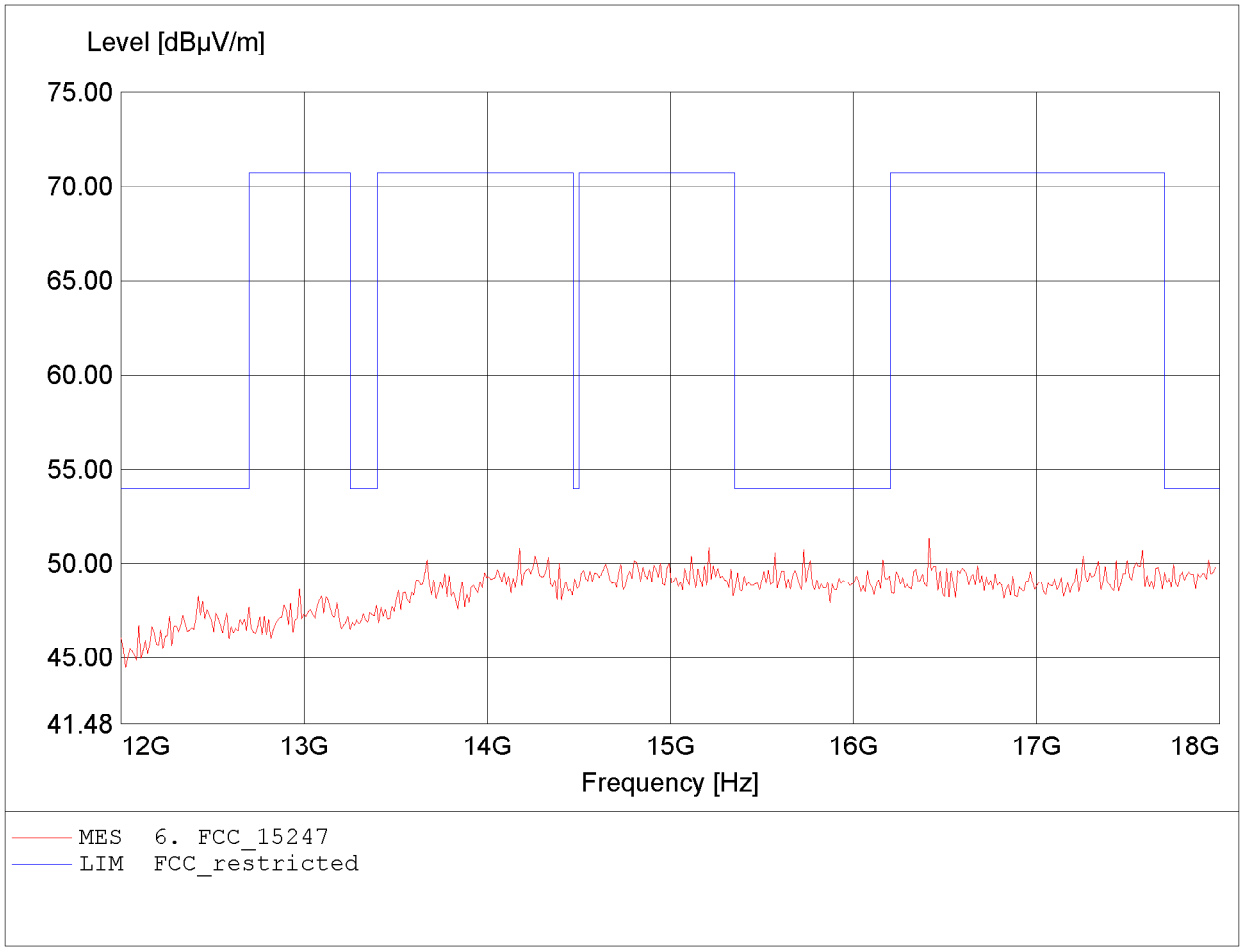
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



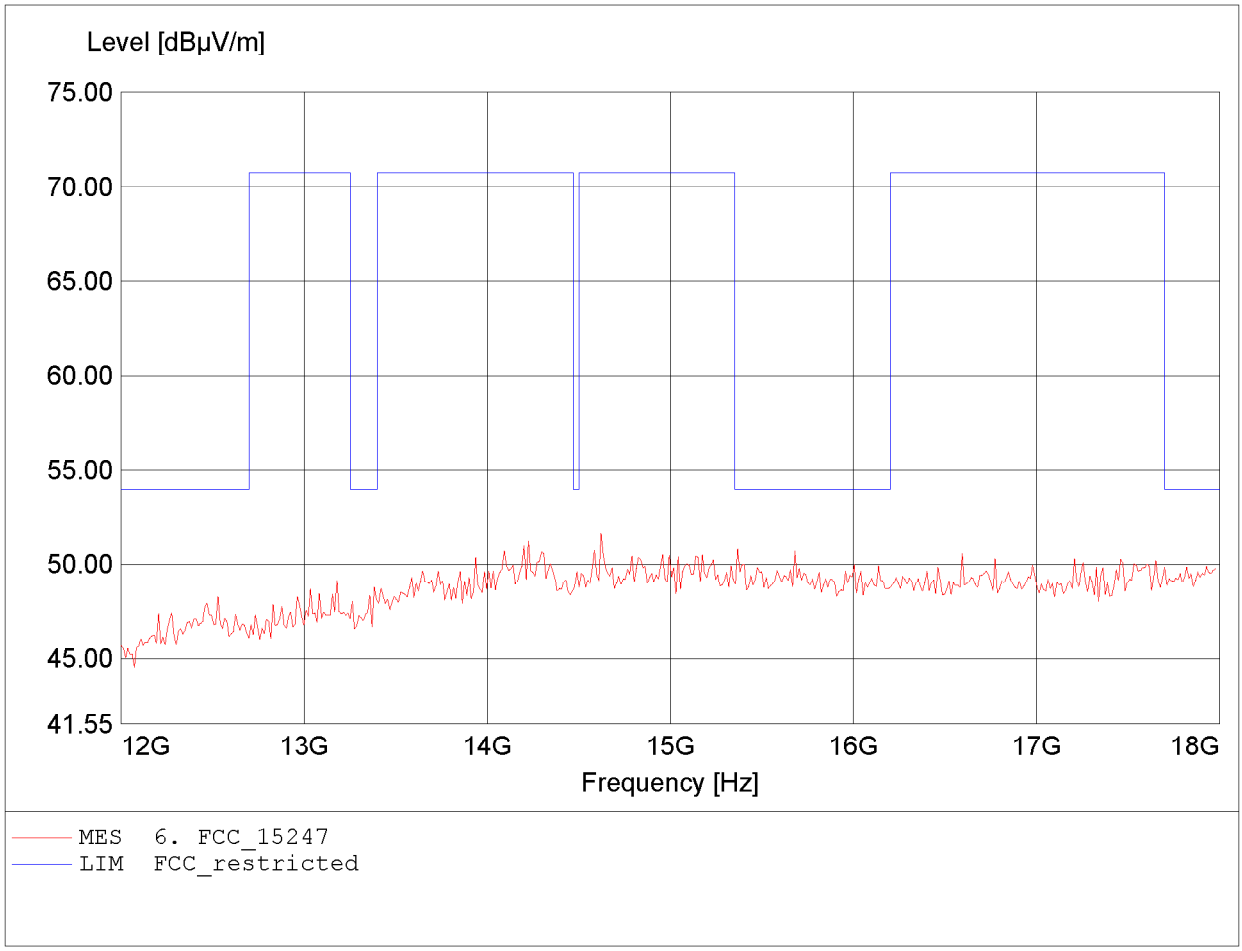
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



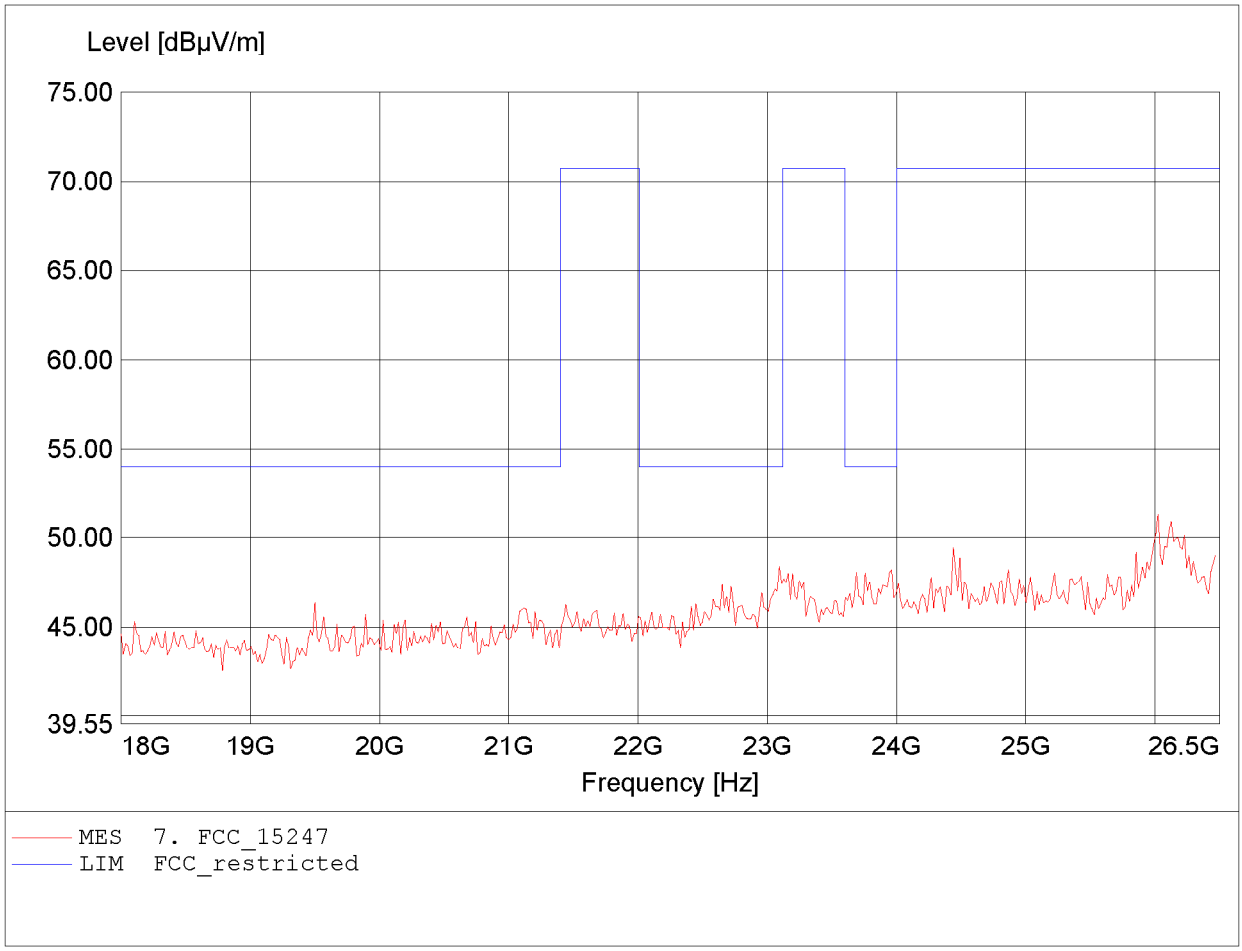
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



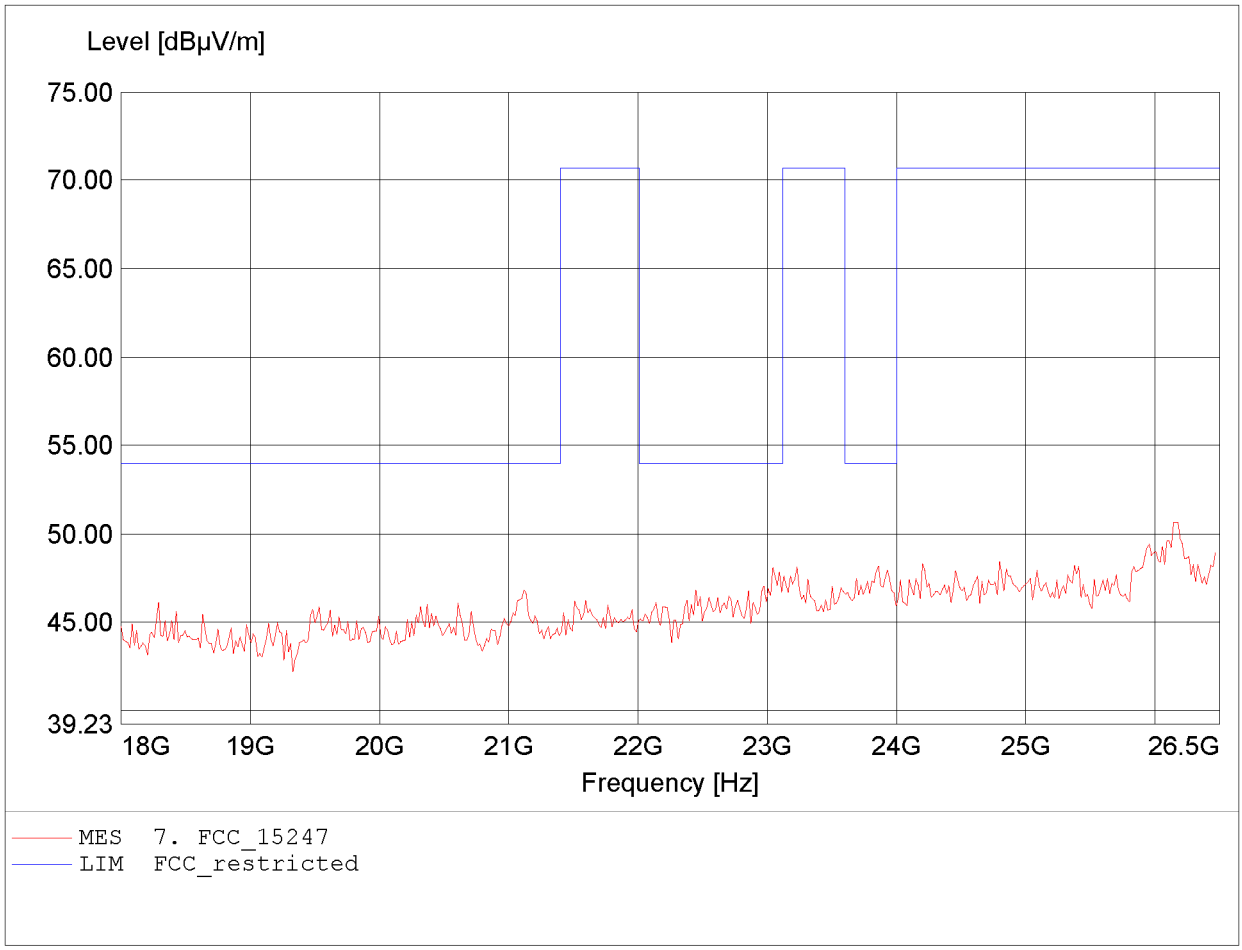
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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

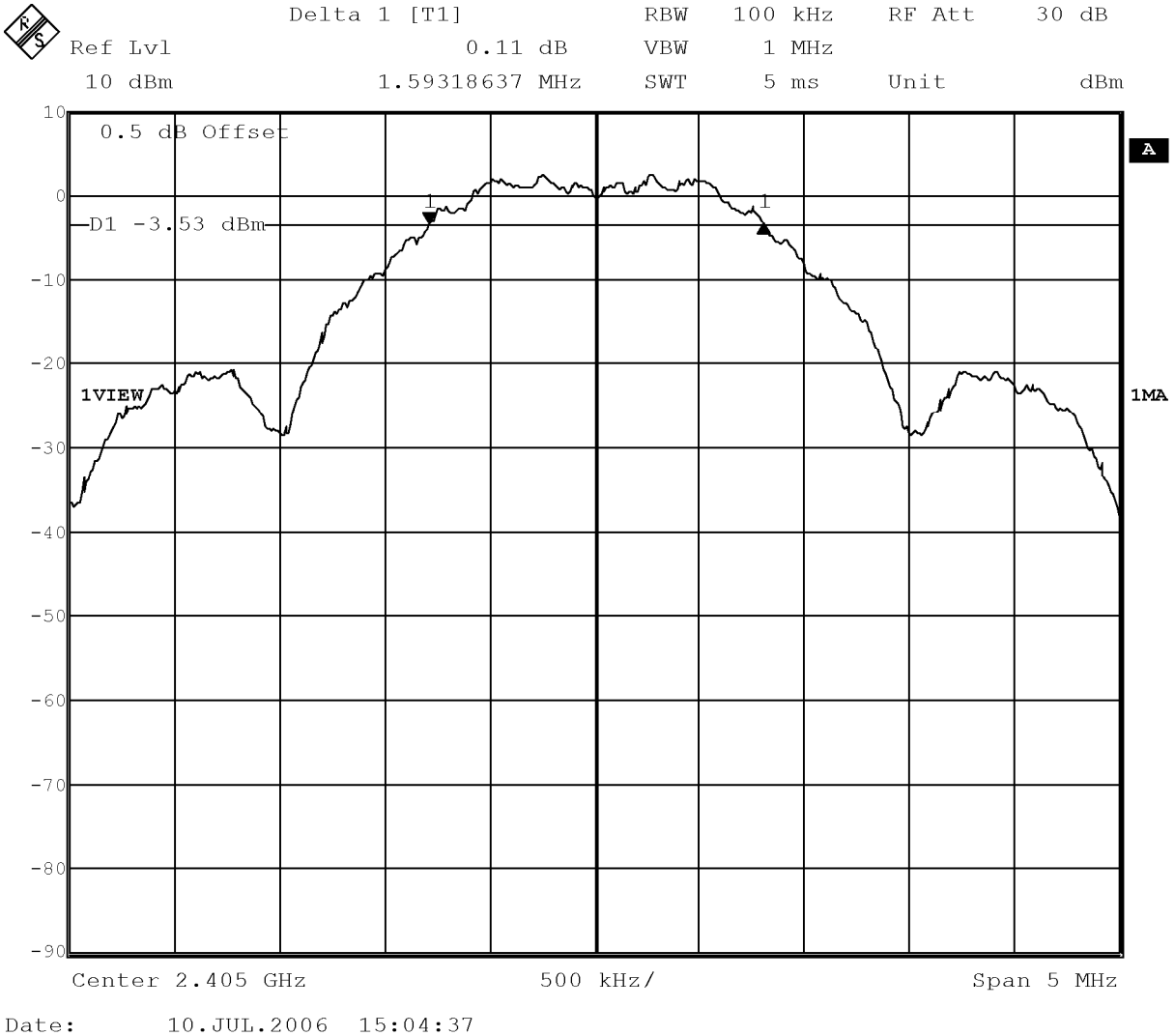
Spurious Emissions conducted - Transmitter operating

Appendix E

Maximum 6 dB Bandwidth

FCC Part 15.247
Bandwith

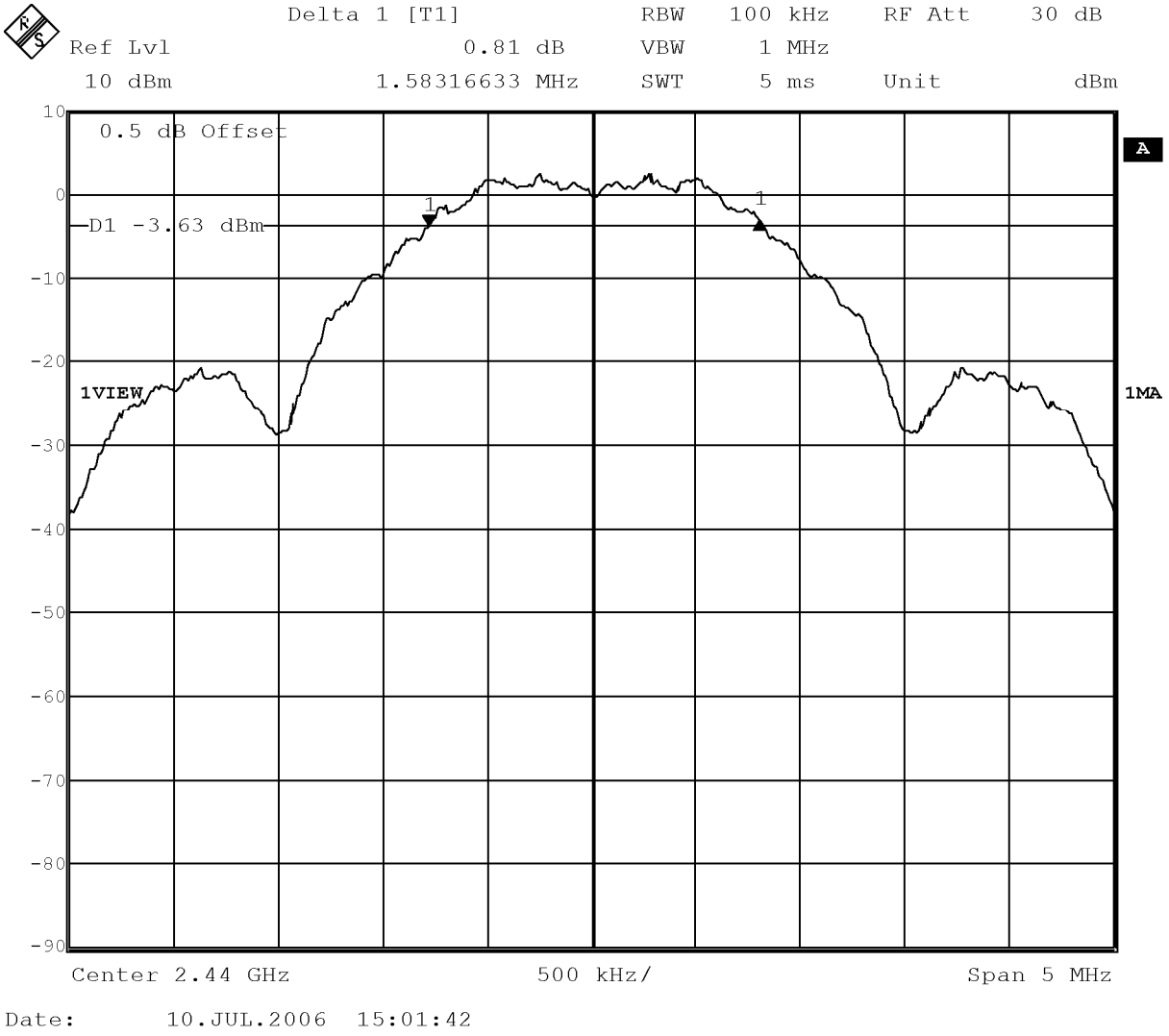
EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (a)(2) Bandwith
Comment 1	Channel: 2405
Comment 2	The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



Measurement diagram

FCC Part 15.247
Bandwith

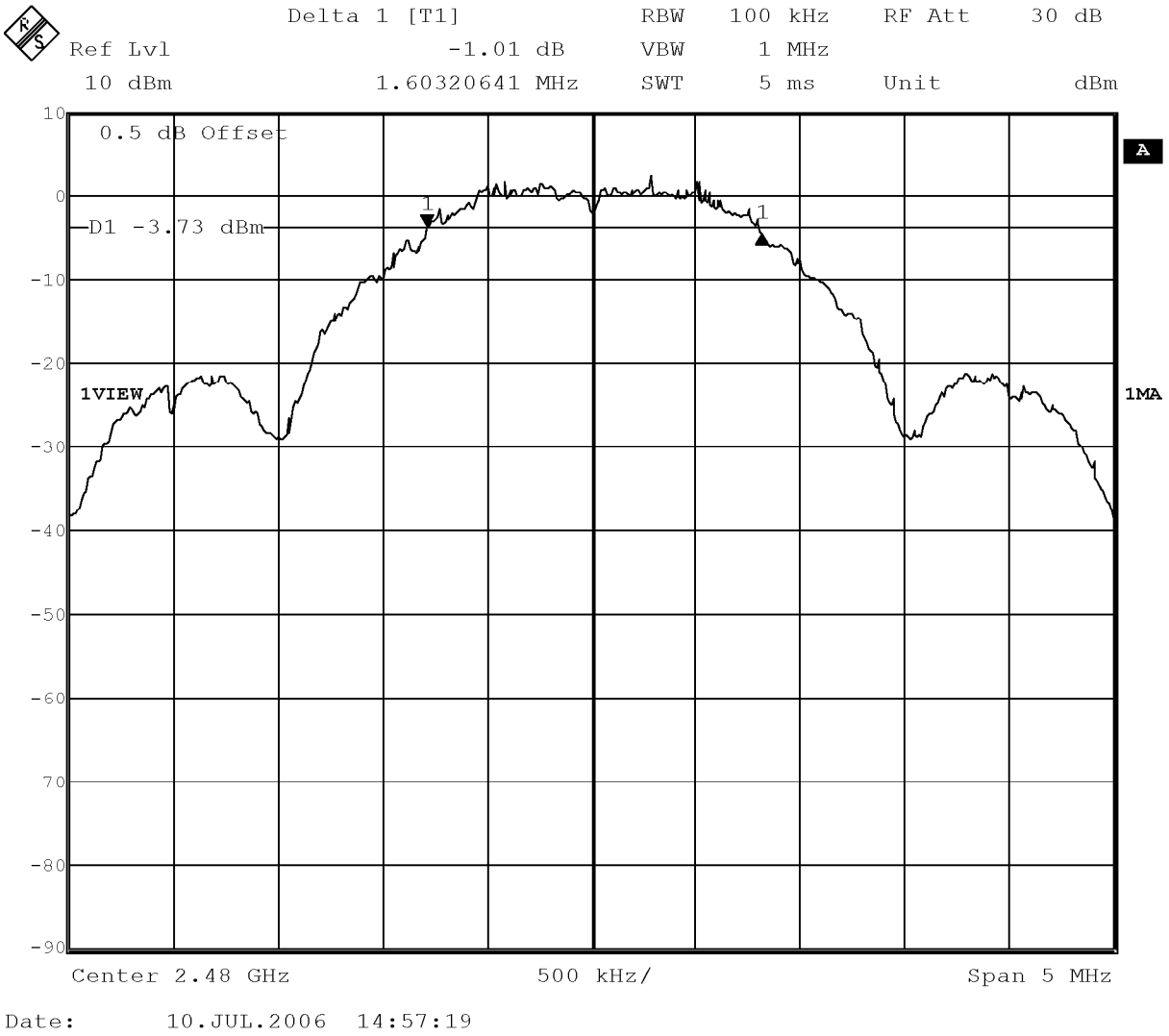
EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (a)(2) Bandwith
Comment 1	Channel: 2440
Comment 2	The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



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



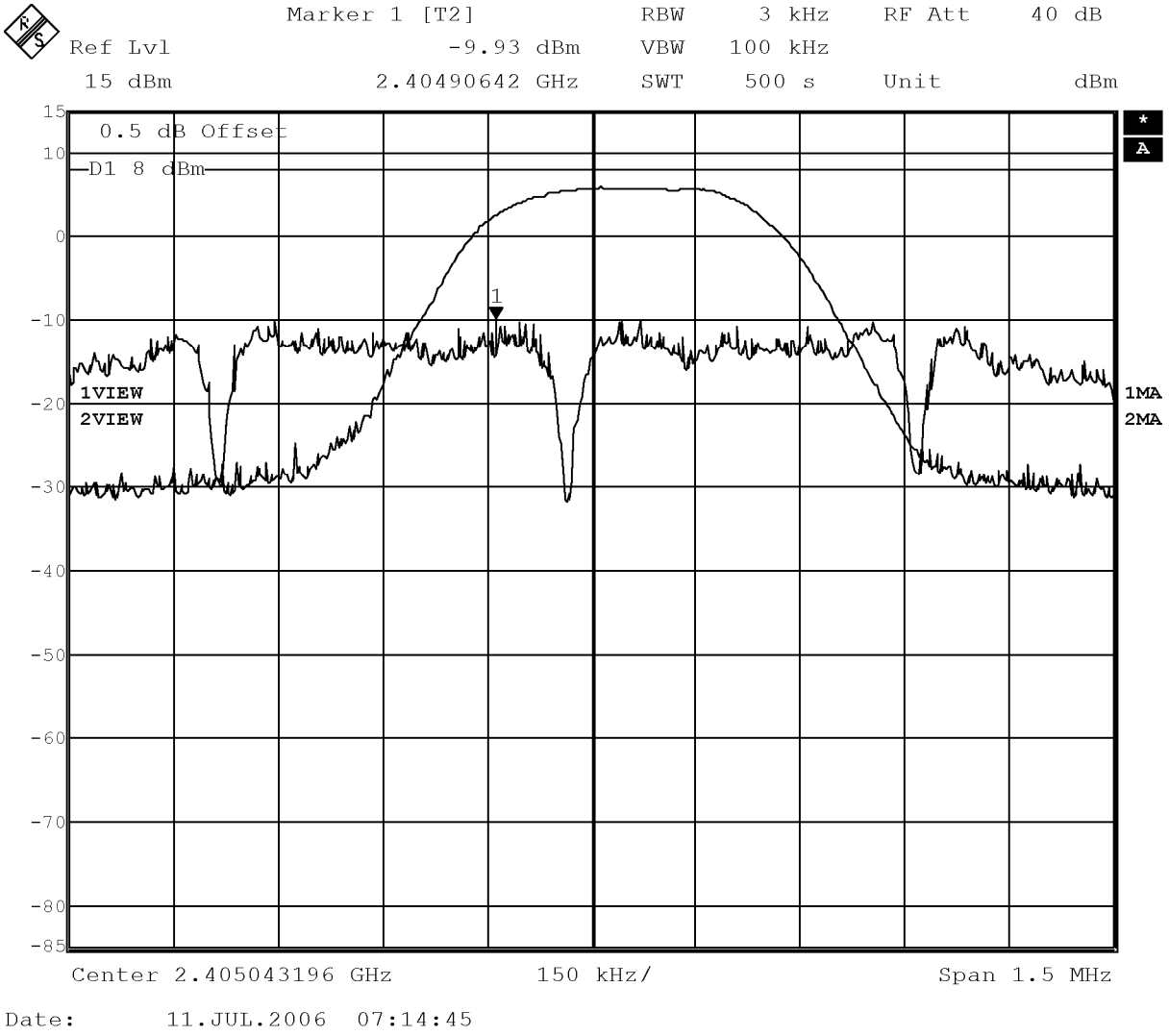
Measurement diagram

Appendix F

Peak Power Spectral Density

FCC Part 15.247
Power spectral density

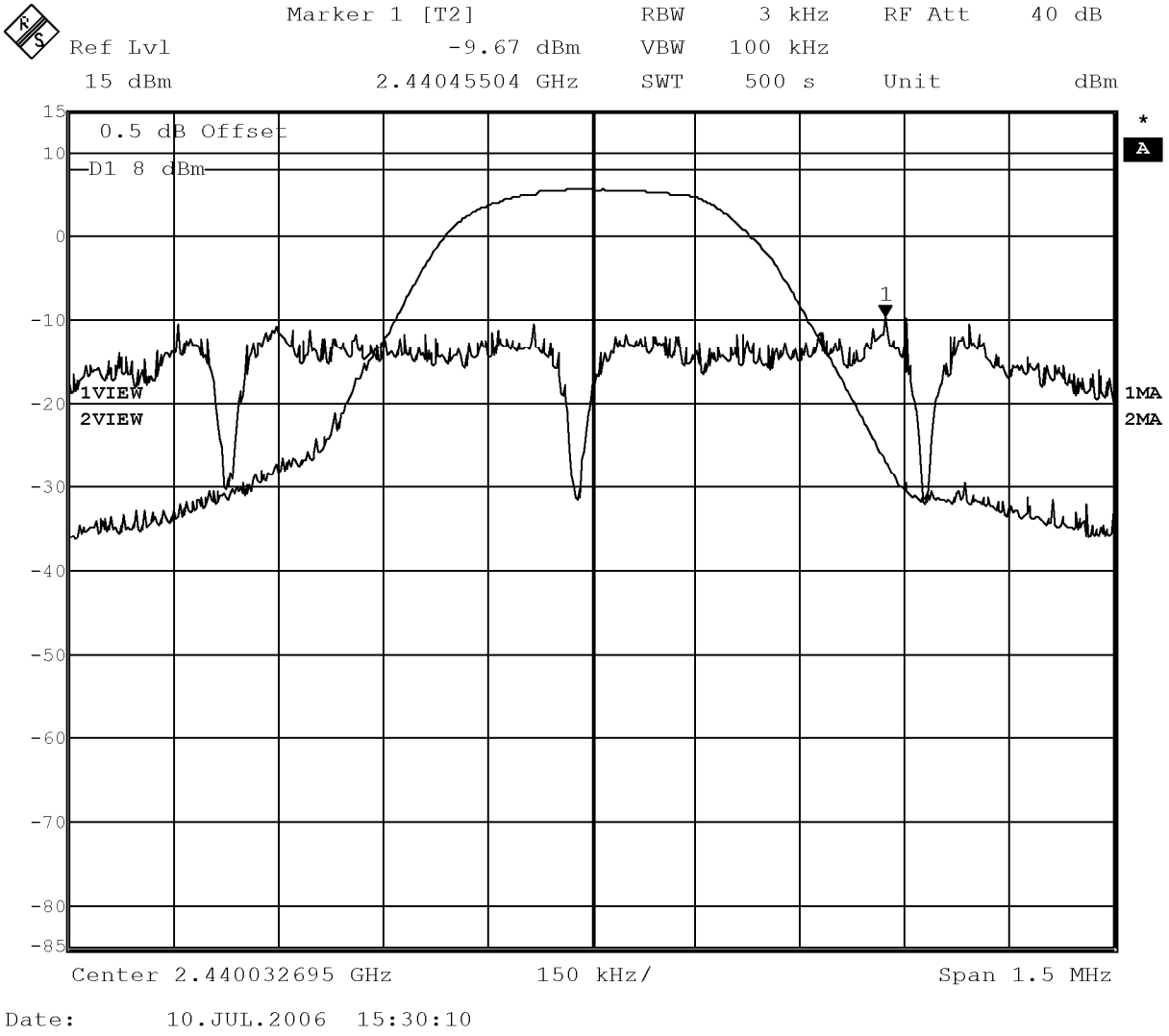
EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (d) Power spectral density
Comment 1	Channel: 2405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



Measurement diagram

FCC Part 15.247
Power spectral density

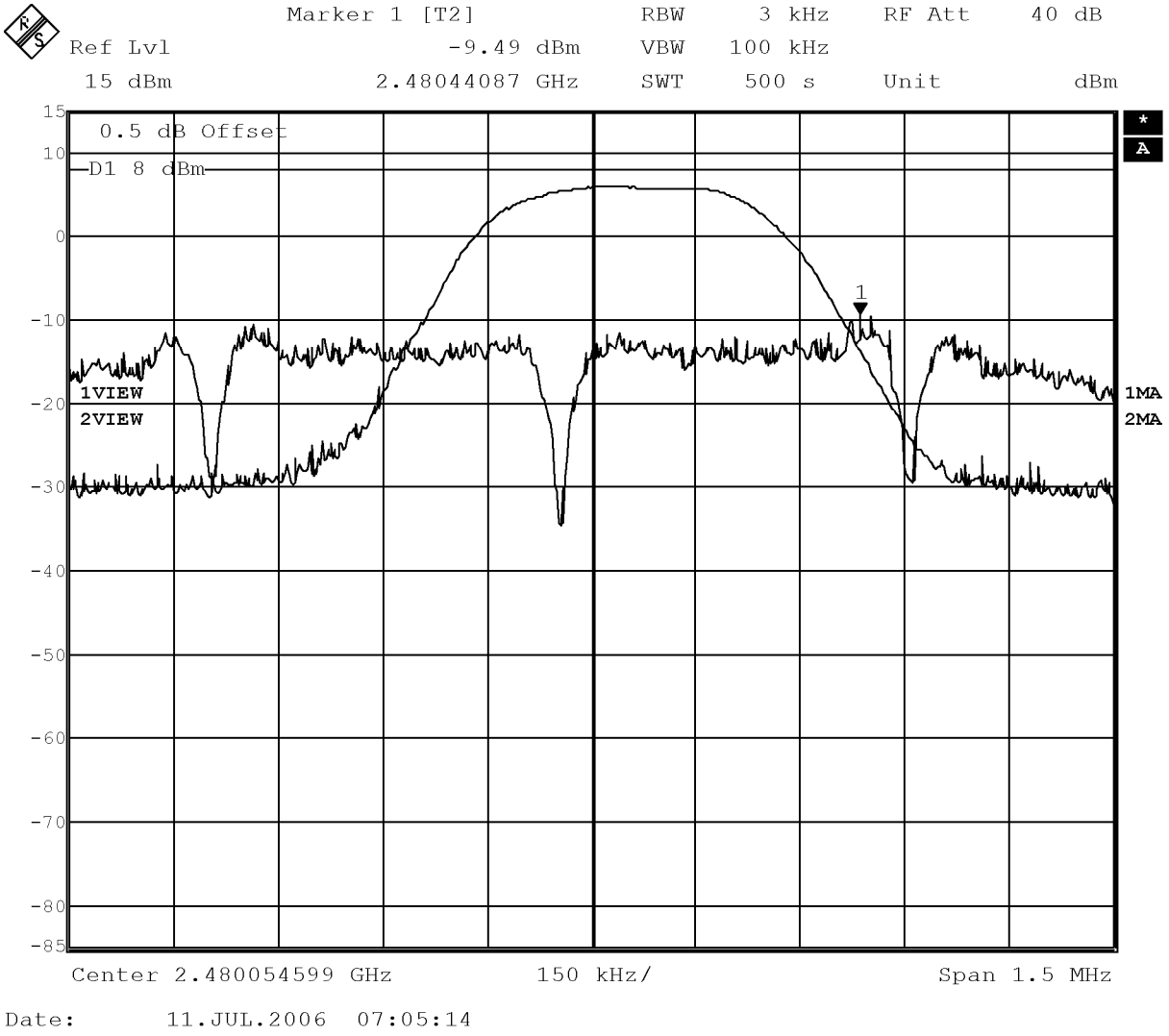
EUT	ZigBee - Module
Model	ENWC9A02A3E (PAN4570) / PAN4570-2
Approval Holder	Panasonic Electronic Devices Europe GmbH
Temperature / Voltage	23°C / Unom.: 6 x 1.5 V DC (battery)
Test Site / Operator	ETS / Mr. Schlaps
Test Specification	FCC Part 15.247 (d) Power spectral density
Comment 1	Channel: 2440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



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	



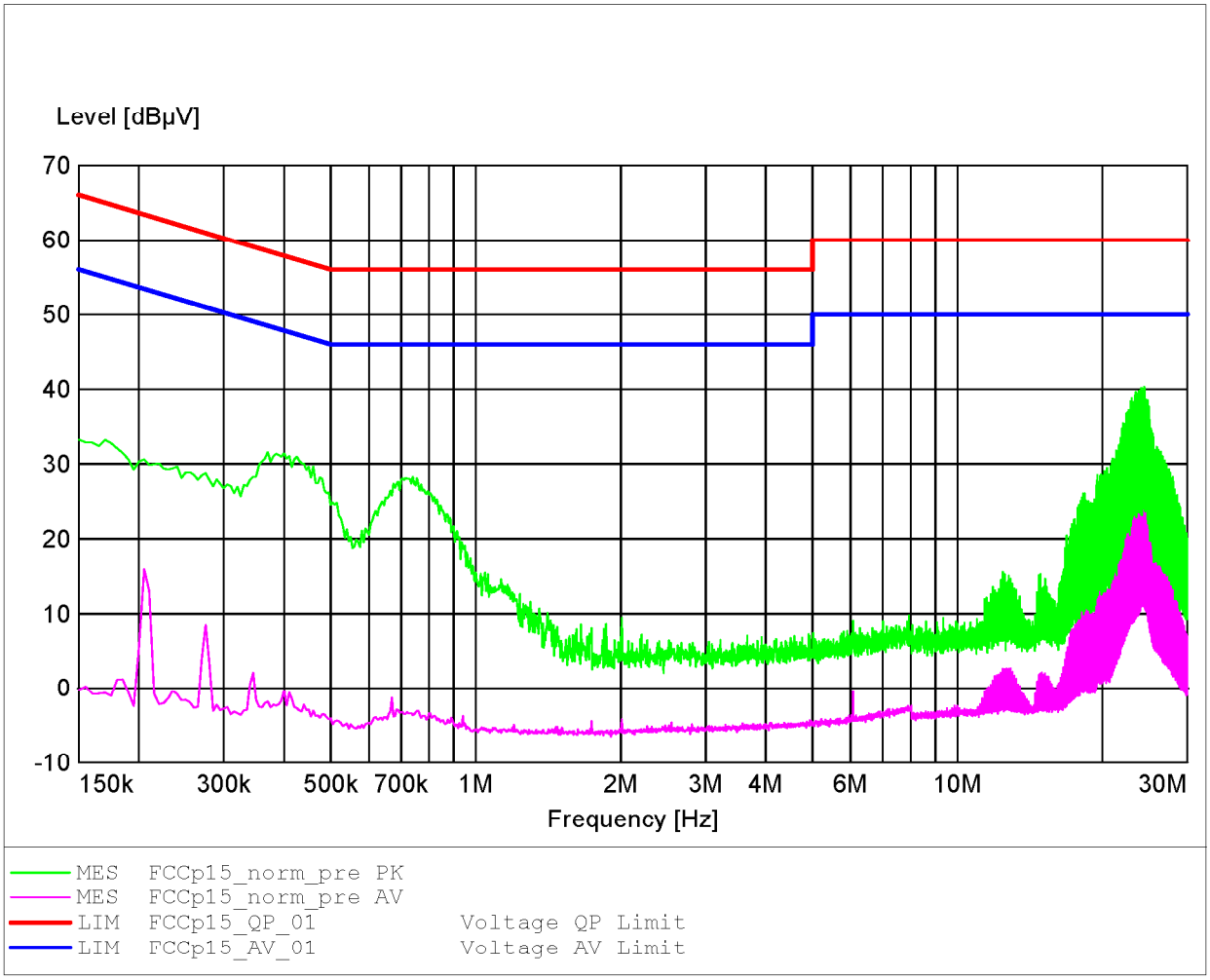
Measurement diagram

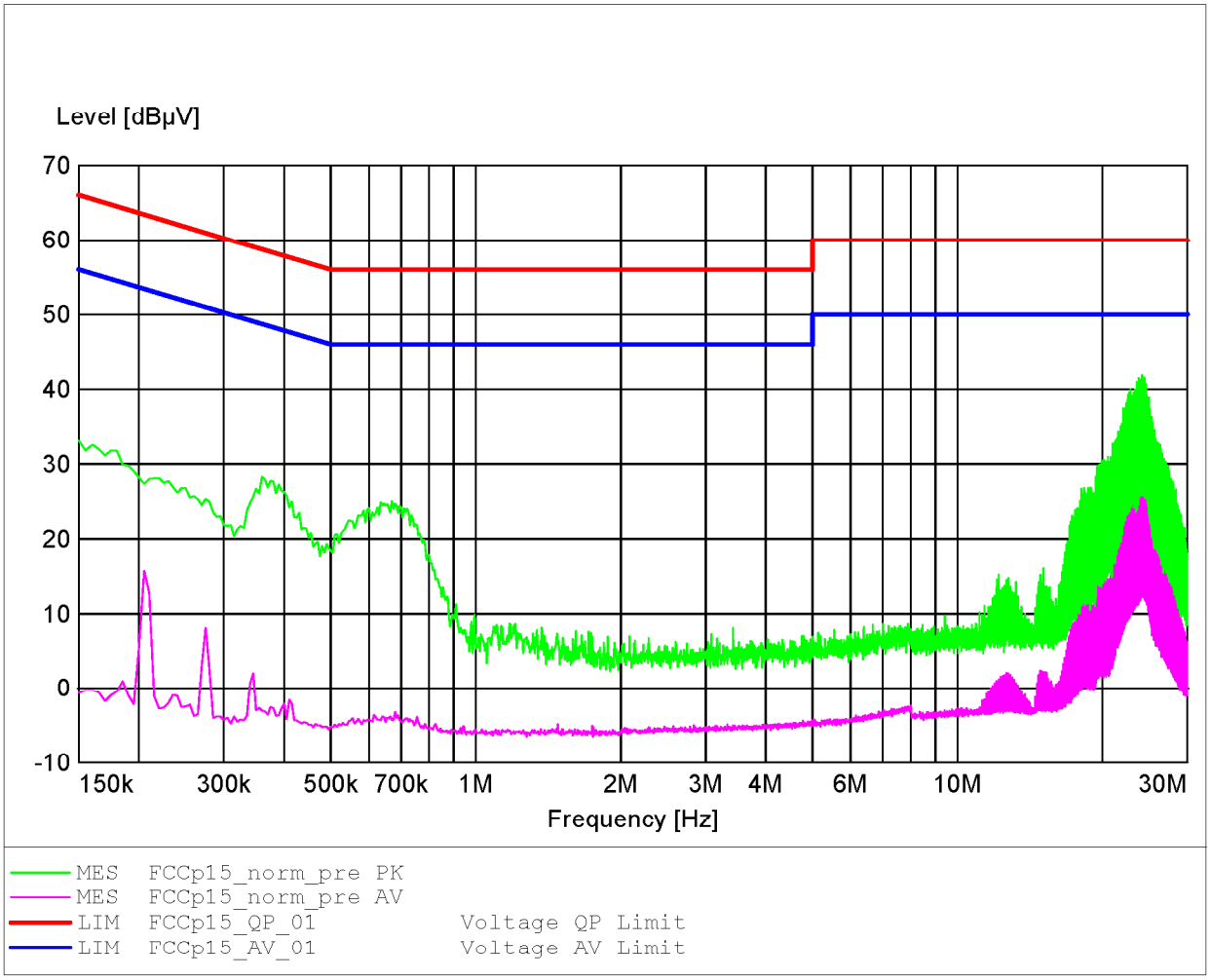
Appendix G

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)
```