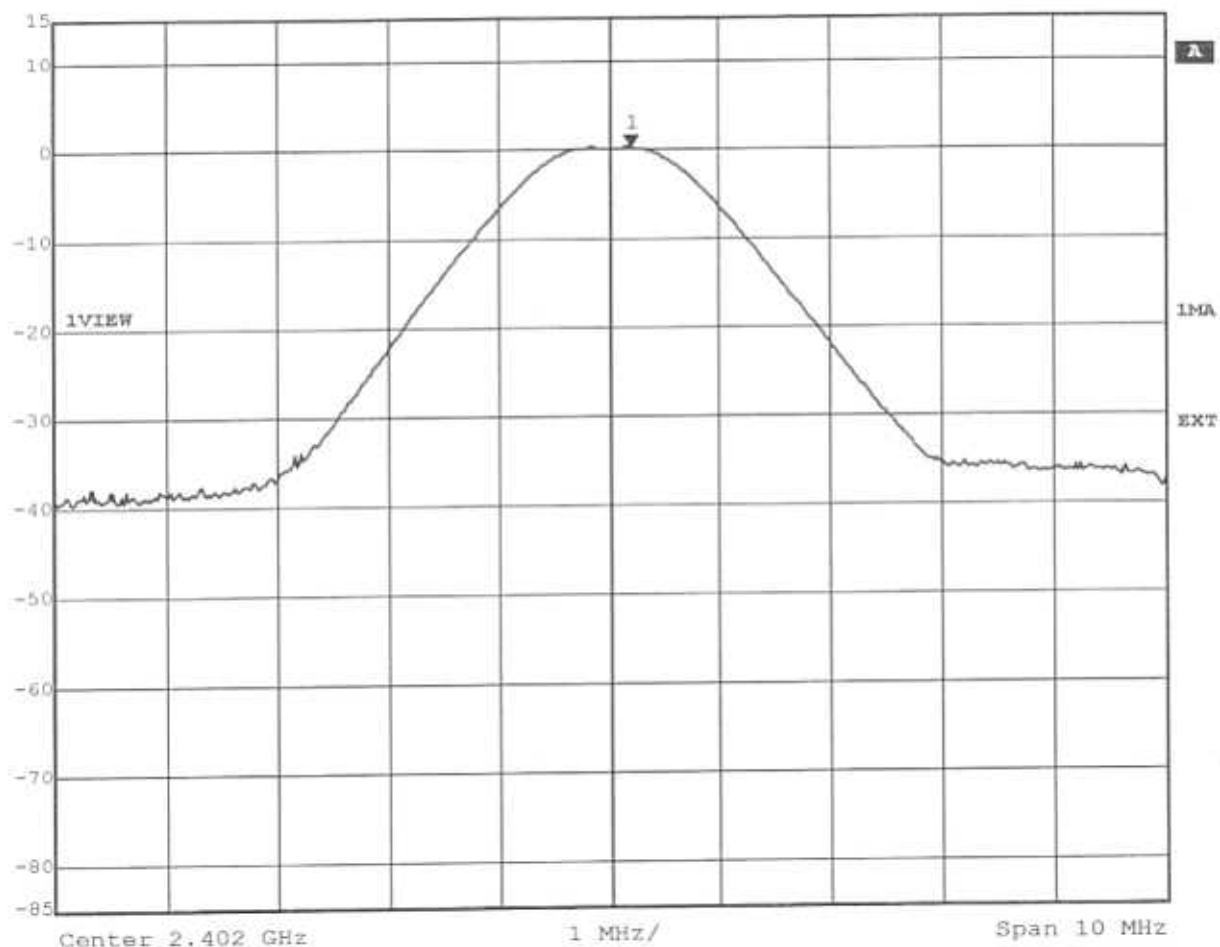


Appendix B

Peak Output Power



Marker 1 [T1] RBW 1 MHz RF Att 40 dB
Ref Lvl 0.03 dBm VBW 1 MHz
15 dBm 2.40221042 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 0
Comment A: Alps Bluetooth Module UGPZ2
Date: 13.JUN.2002 12:30:20



Ref Lvl
15 dBm

Marker 1 [T1]

-0.04 dBm

2.44117034 GHz

RBW

1 MHz

RF Att

40 dB

VBW

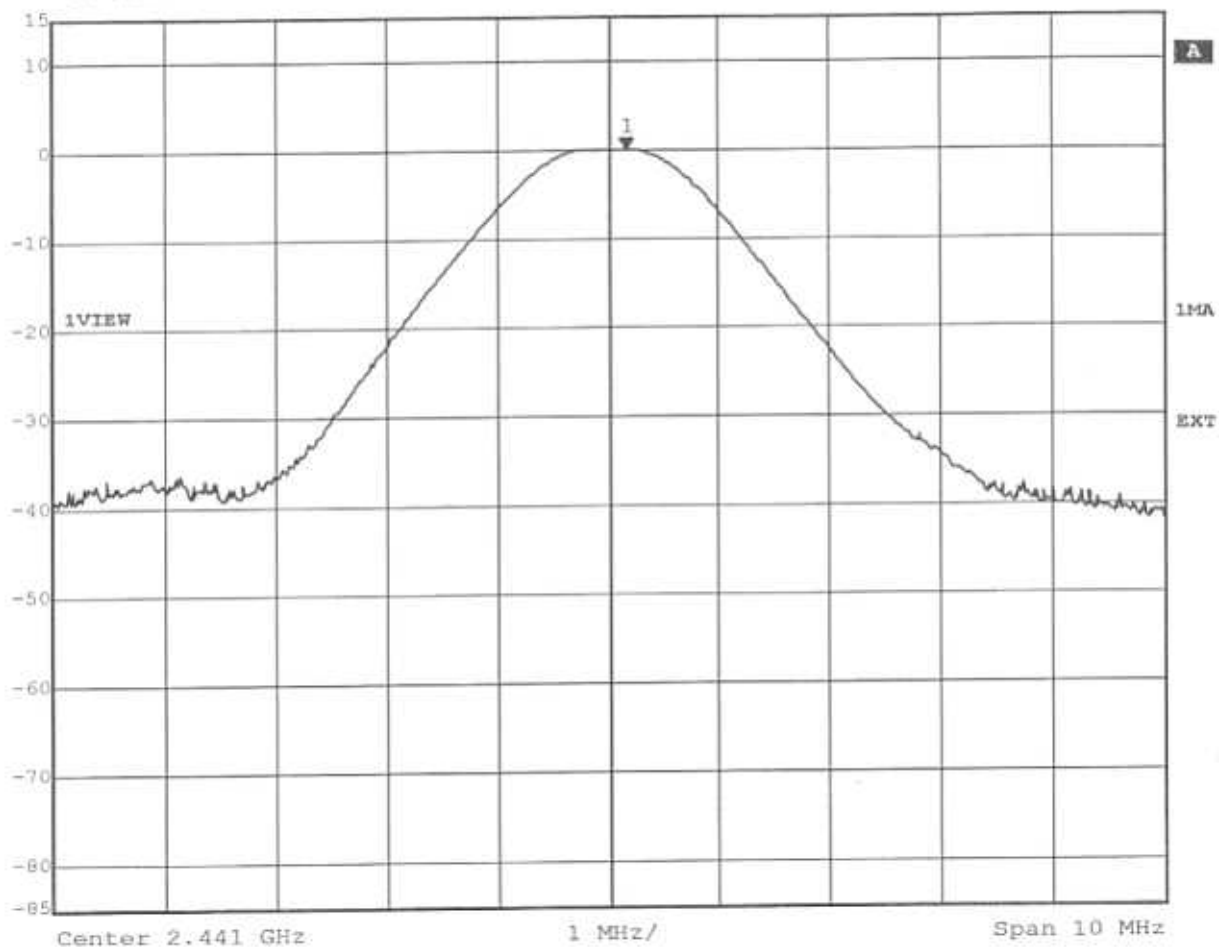
1 MHz

SWT

5 ms

Unit

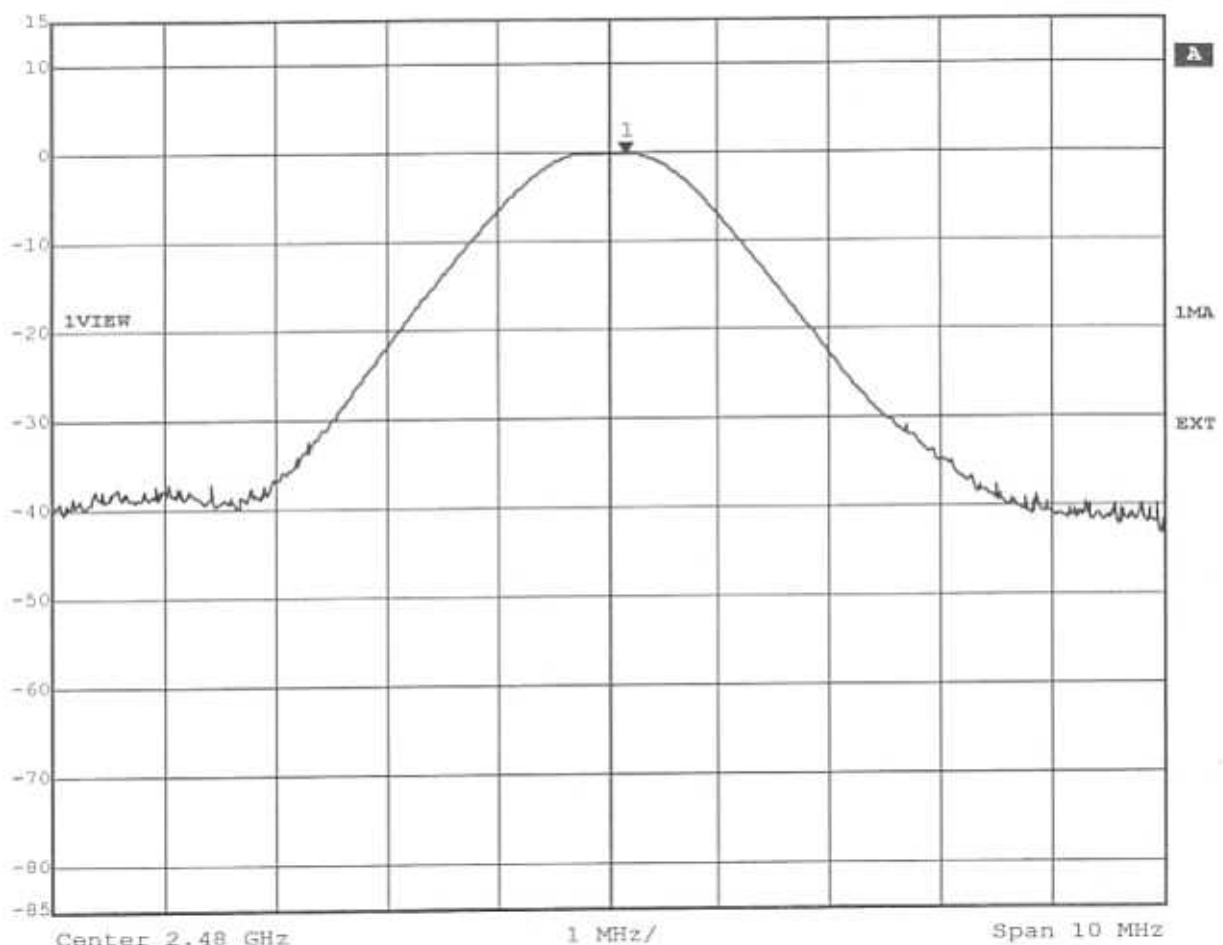
dBm



Title: Peak Output Power conducted Ch.: 39
Comment A: Alps Bluetooth Module UGP22
Date: 13.JUN.2002 12:31:37



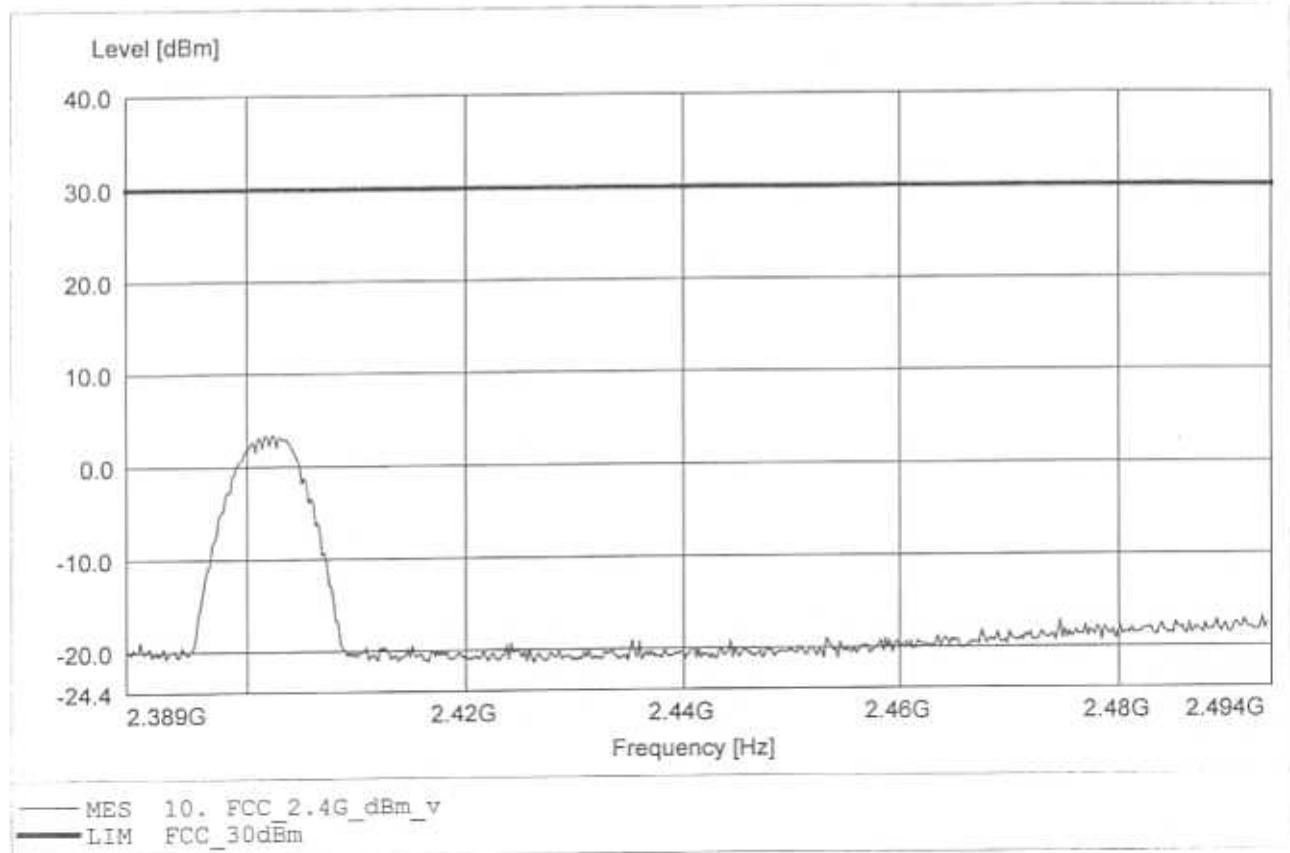
Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
15 dBm	-0.29 dBm	VBW	1 MHz		
	2.48017034 GHz	SWT	5 ms	Unit	dBm



Title: Peak Output Power conducted Ch.: 78
Comment A: Alps Bluetooth Module UGP22
Date: 13.JUN.2002 12:32:58

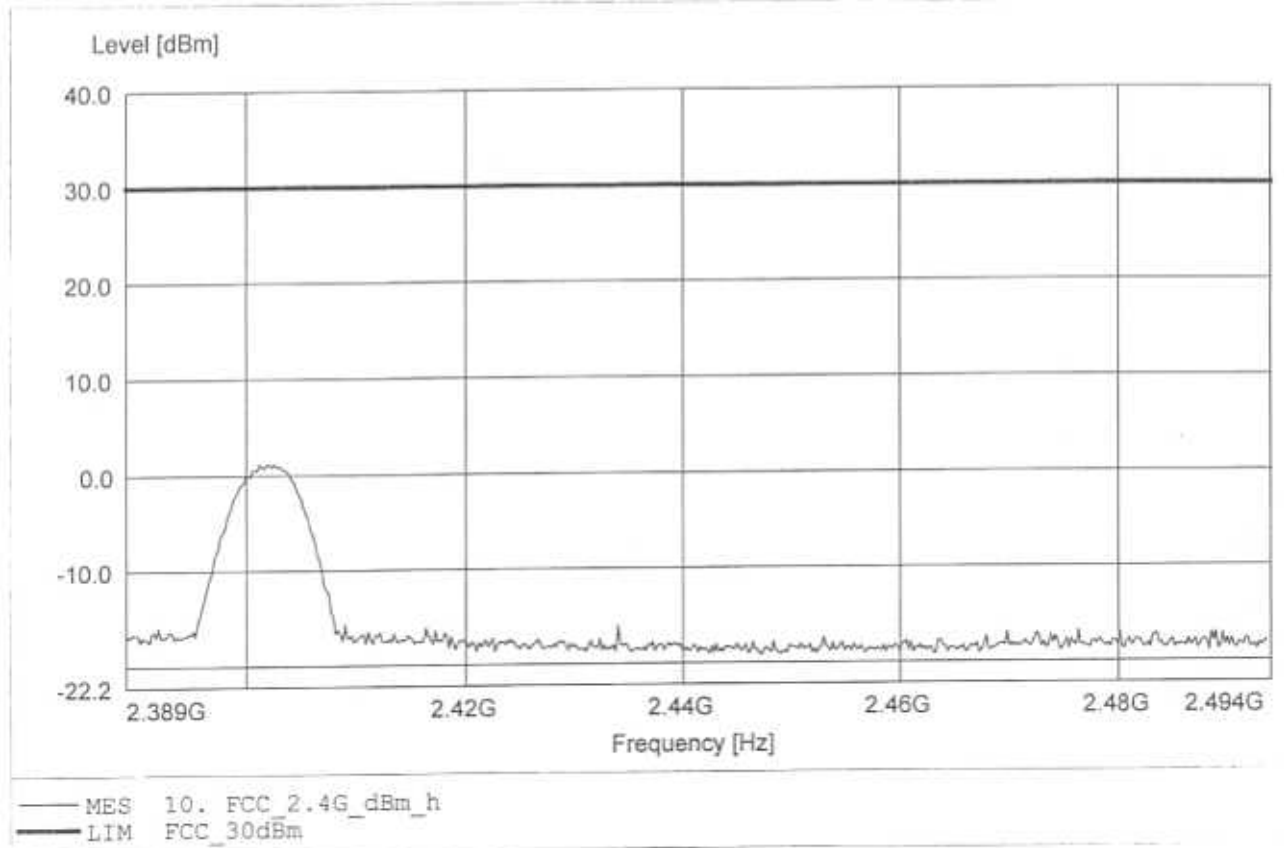
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 3.36dBm, RBW: 5MHz



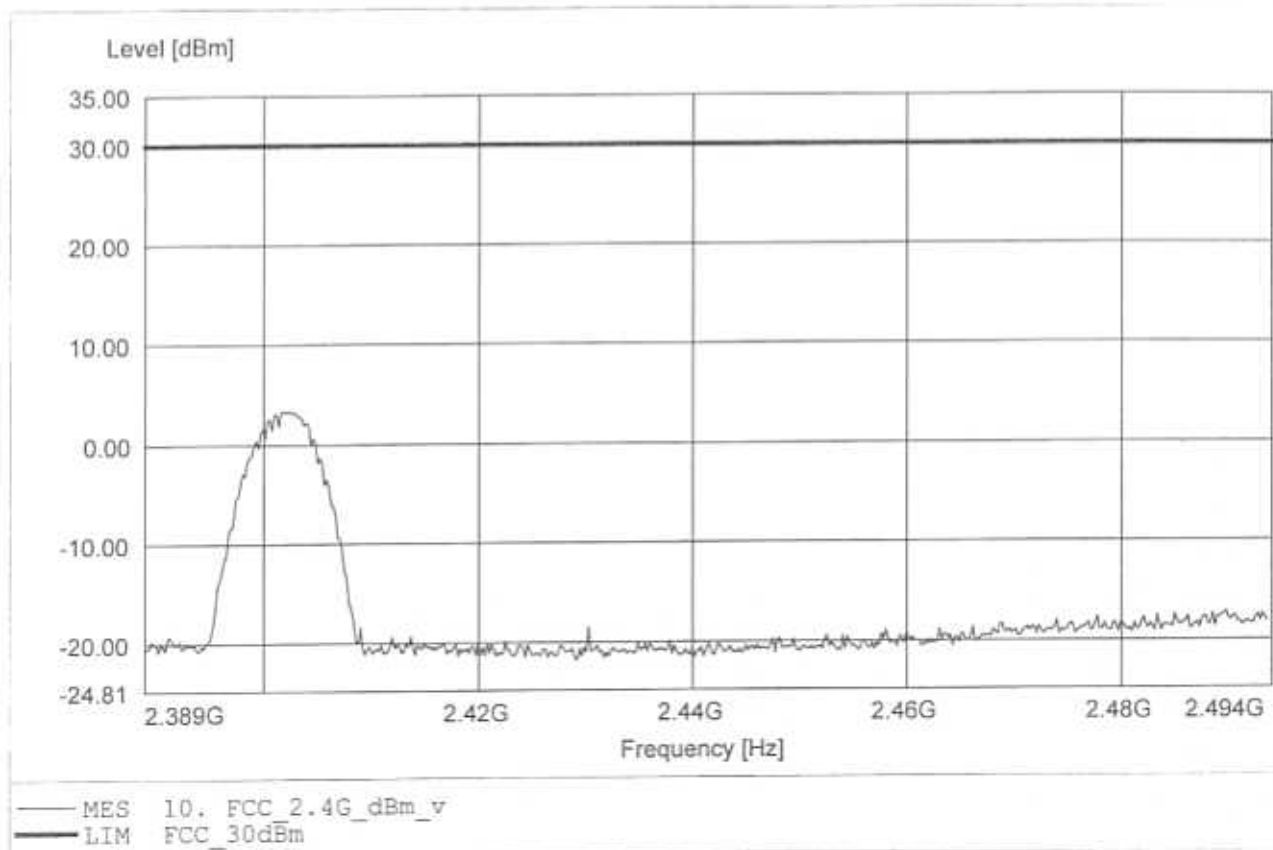
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 1.16dBm, RBW: 5MHz



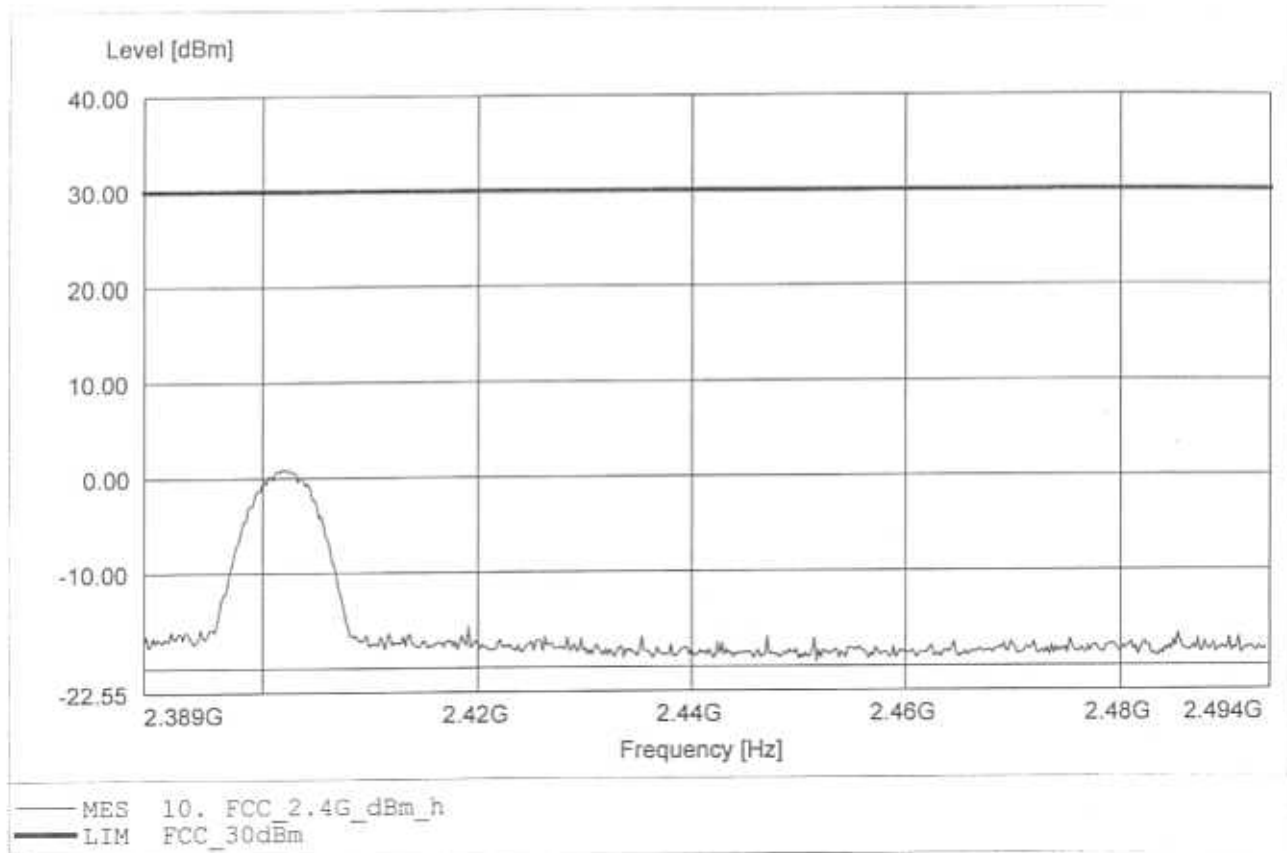
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 3.30dBm, RBW: 5MHz



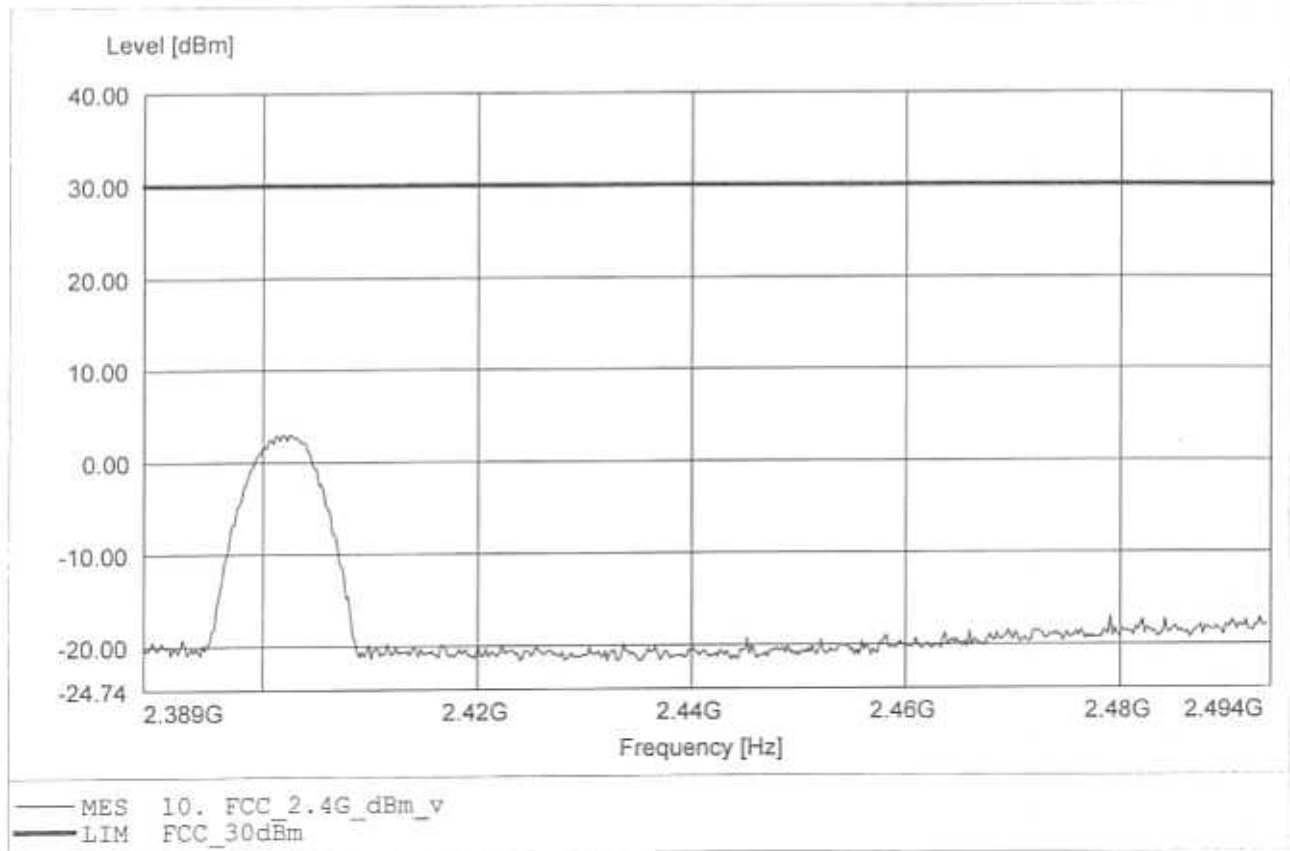
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 0.85dBm, RBW: 5MHz



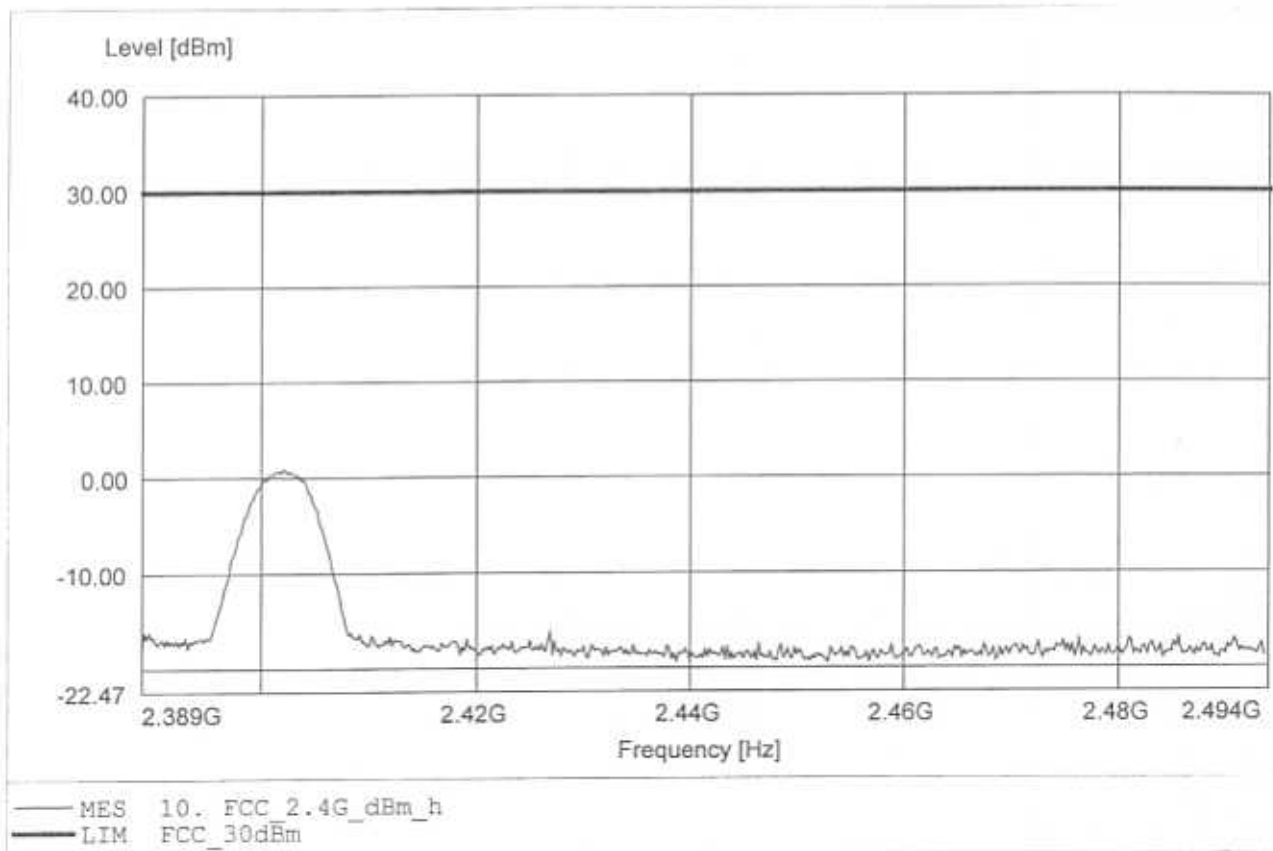
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 3.06dBm, RBW: 5MHz



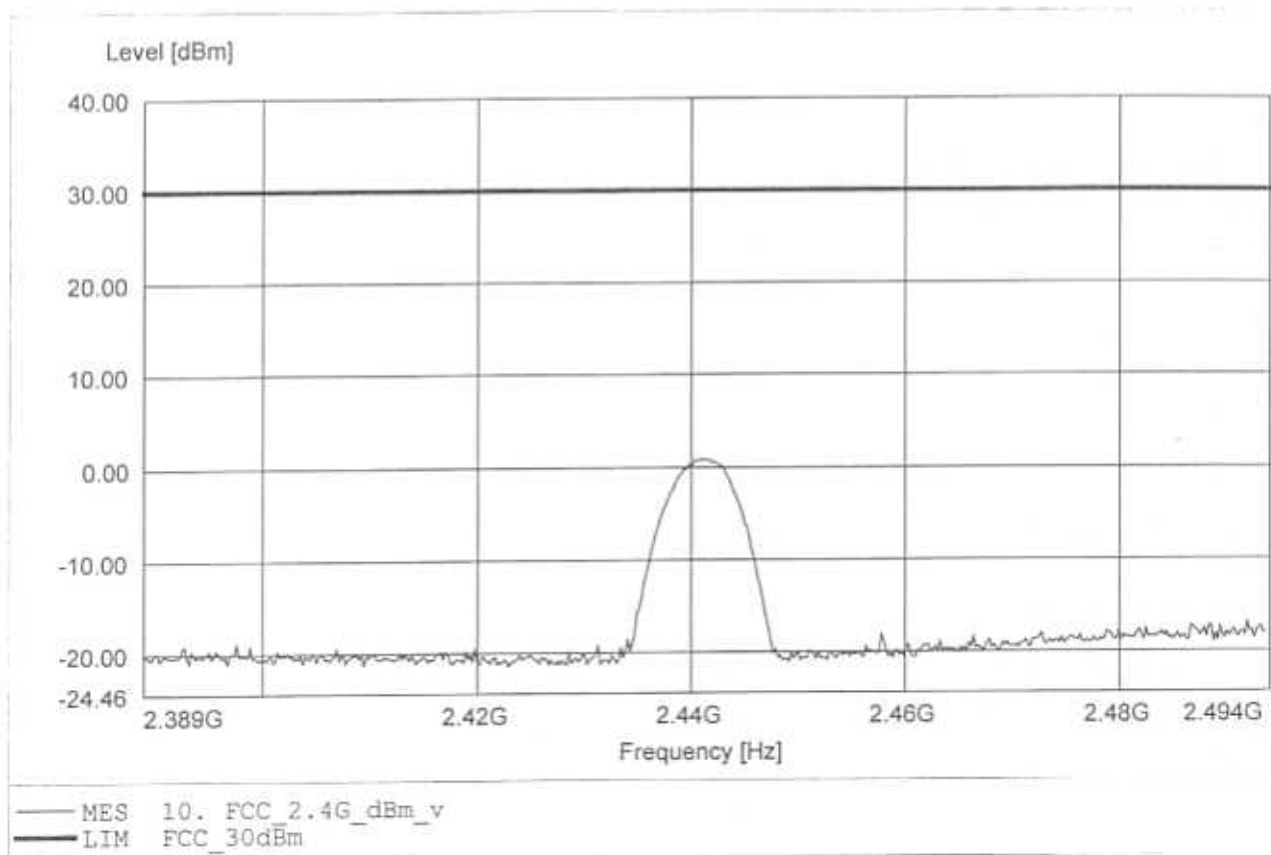
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 0.91dBm, RBW: 5MHz



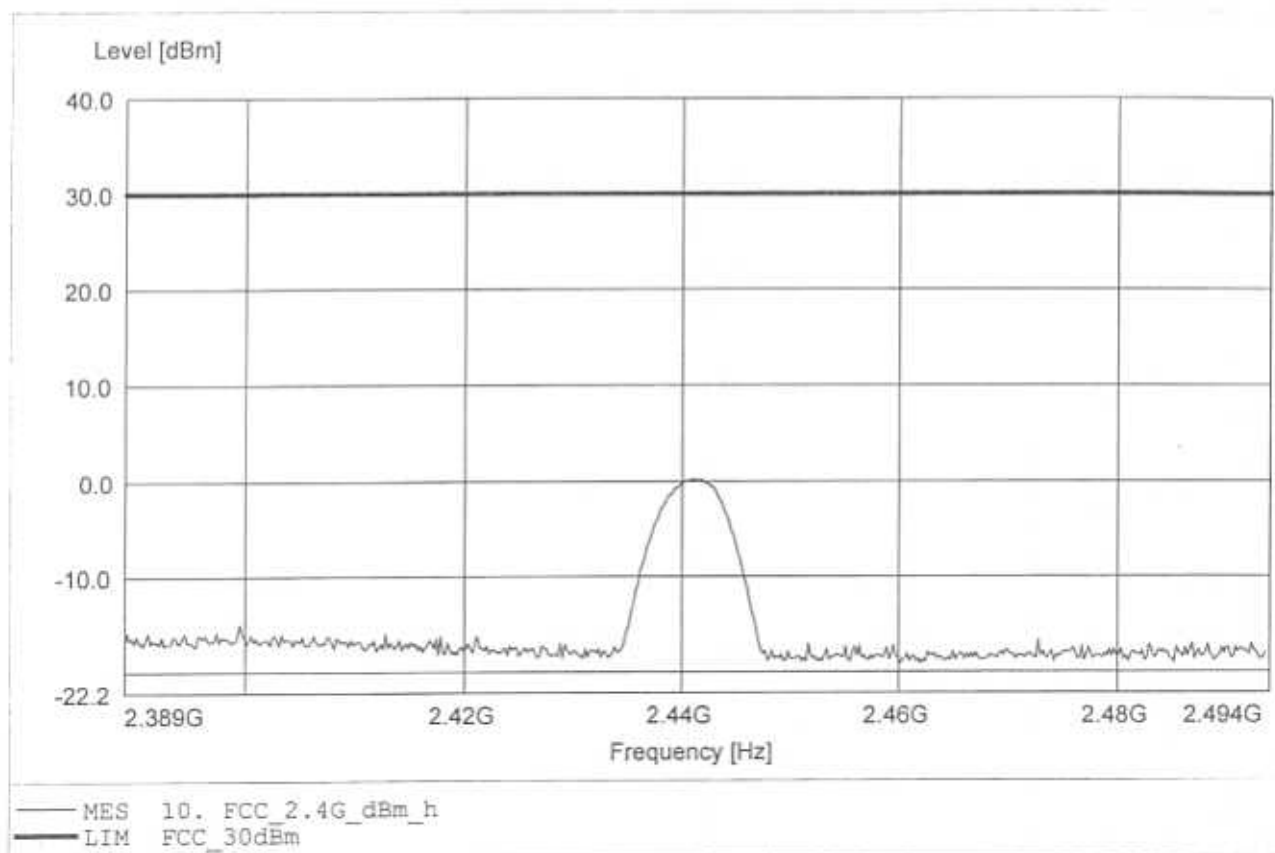
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 0.88dBm, RBW: 5MHz



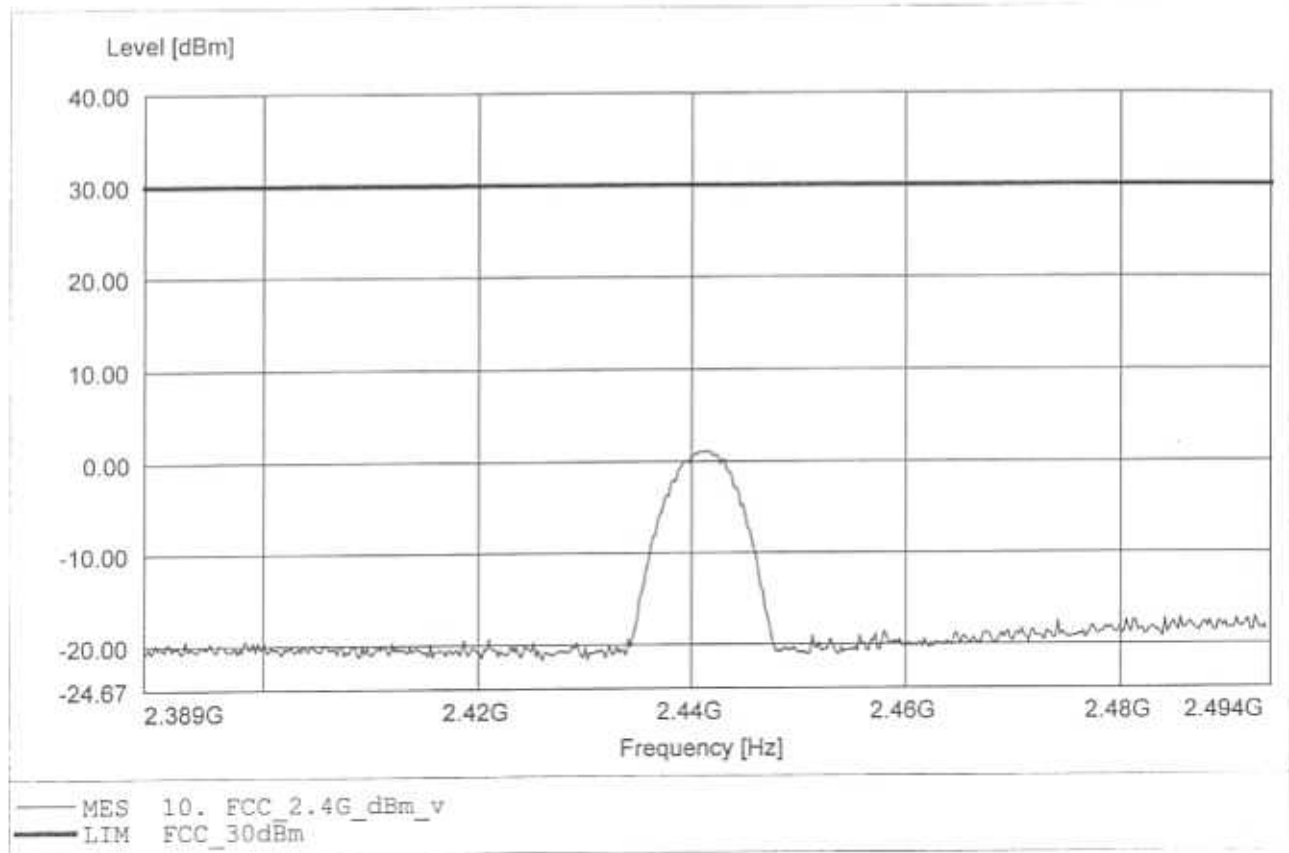
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 0.26dBm, RBW: 5MHz



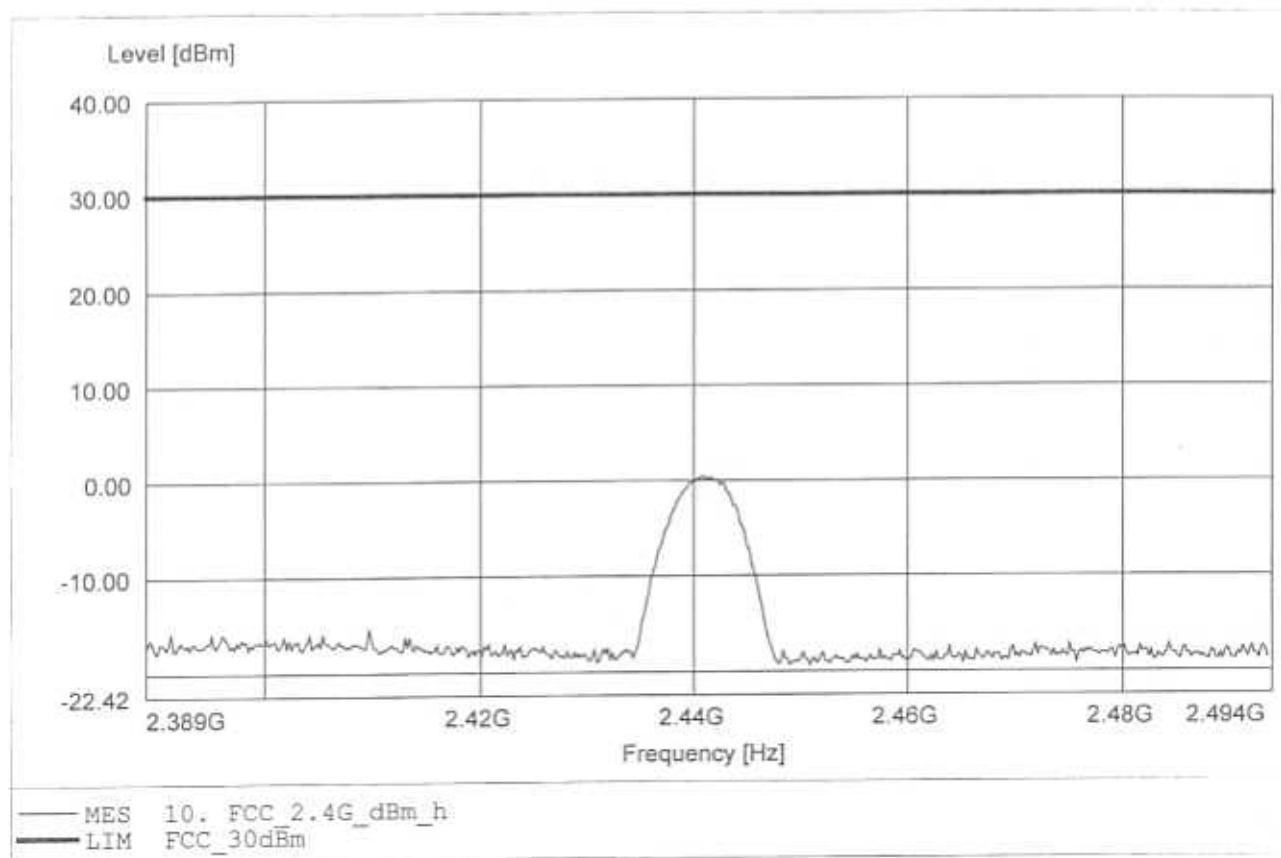
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.442GHz, Pmax: 1.14dBm, RBW: 5MHz



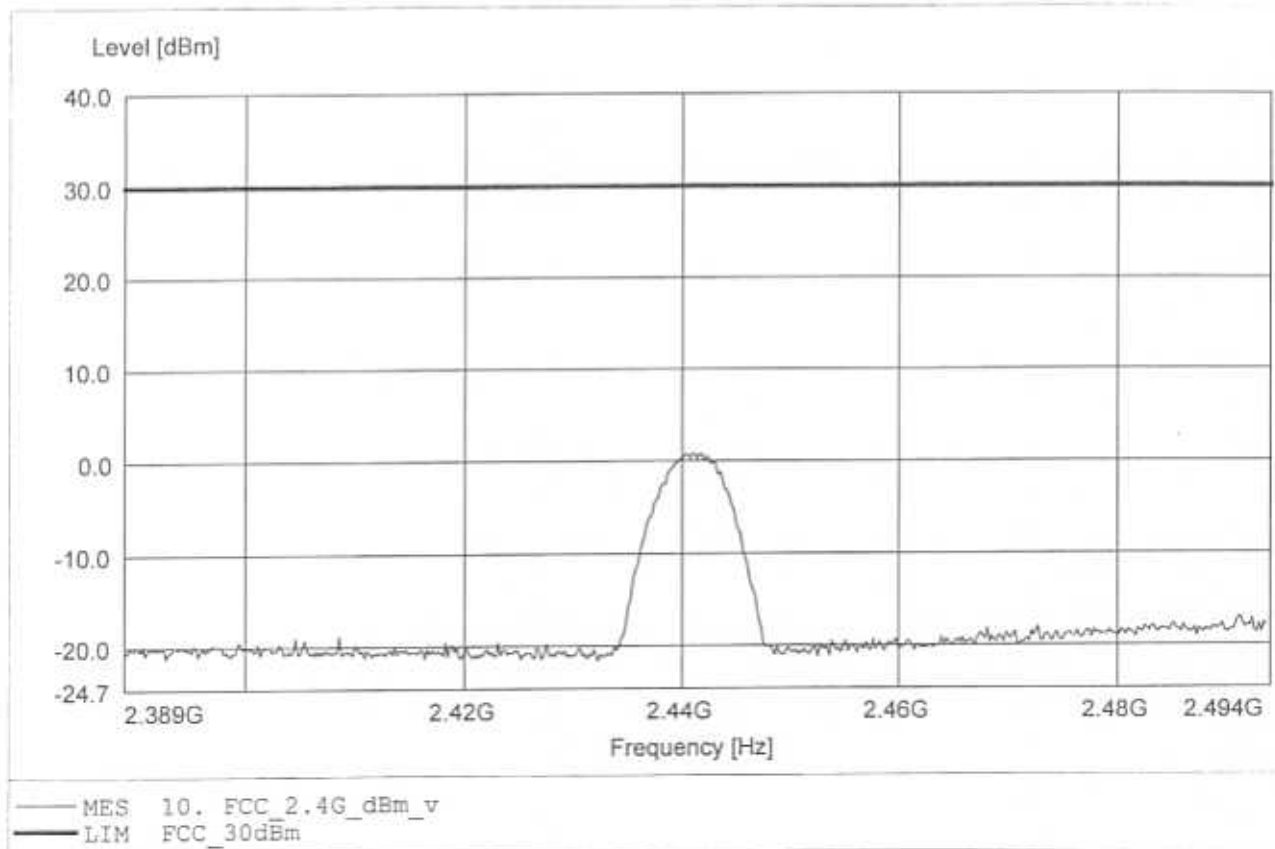
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 0.45dBm, RBW: 5MHz



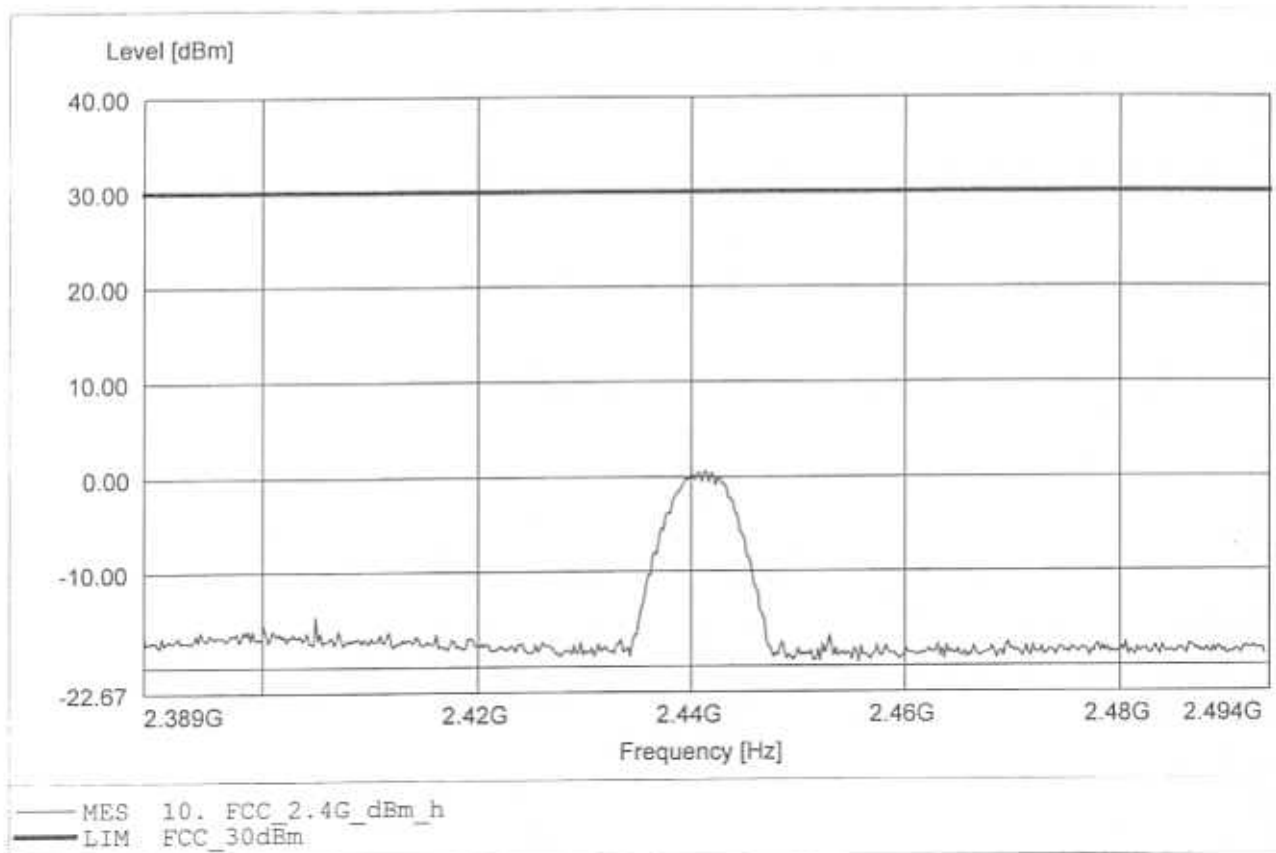
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 0.82dBm, RBW: 5MHz



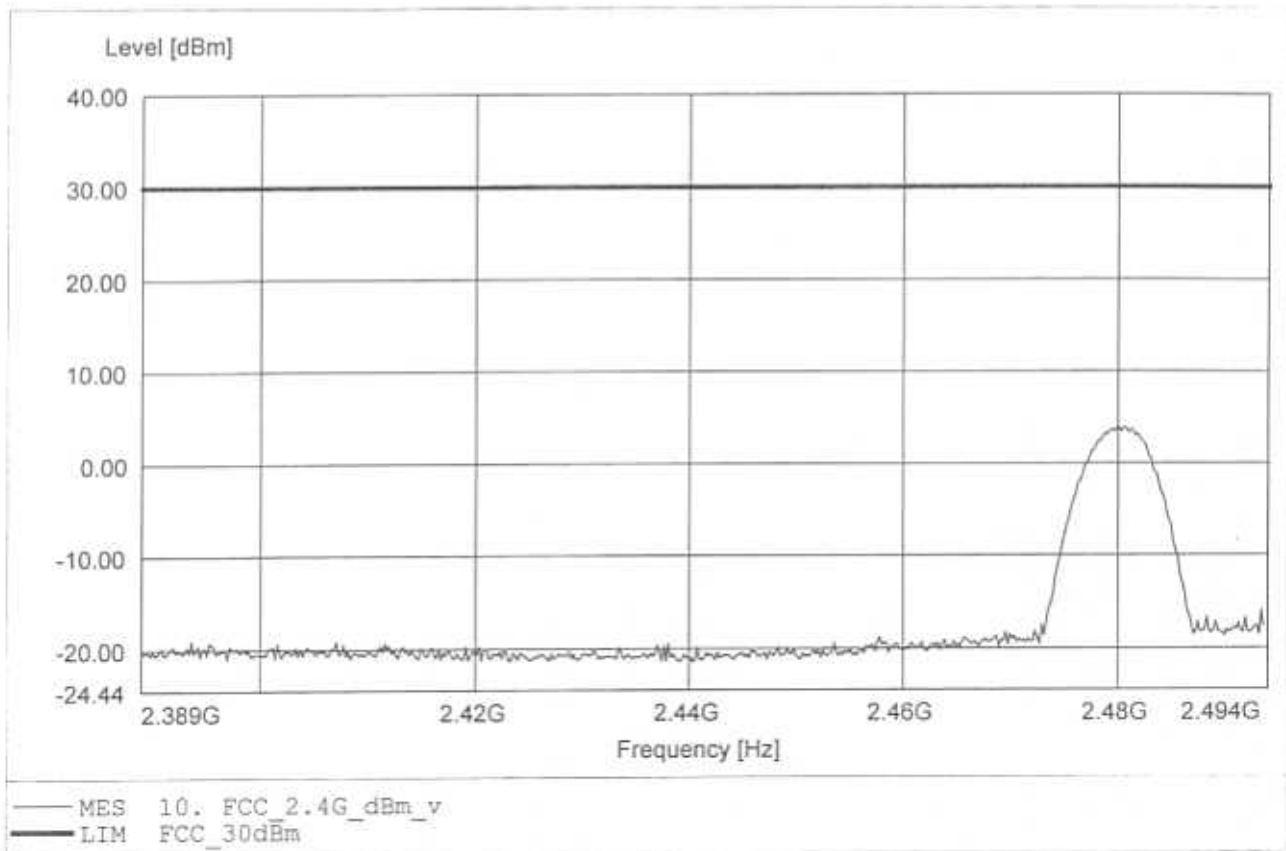
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 0.58dBm, RBW: 5MHz



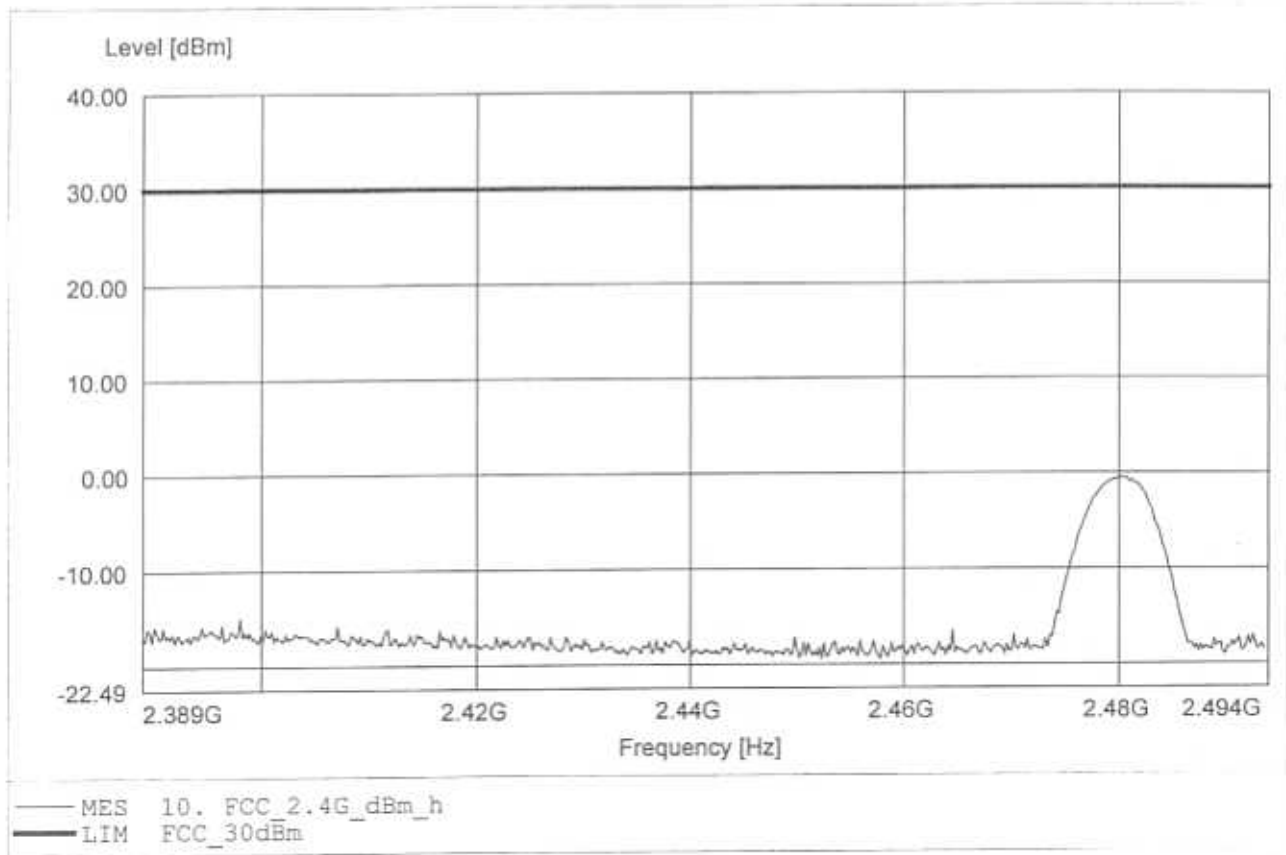
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 3.92dBm, RBW: 5MHz



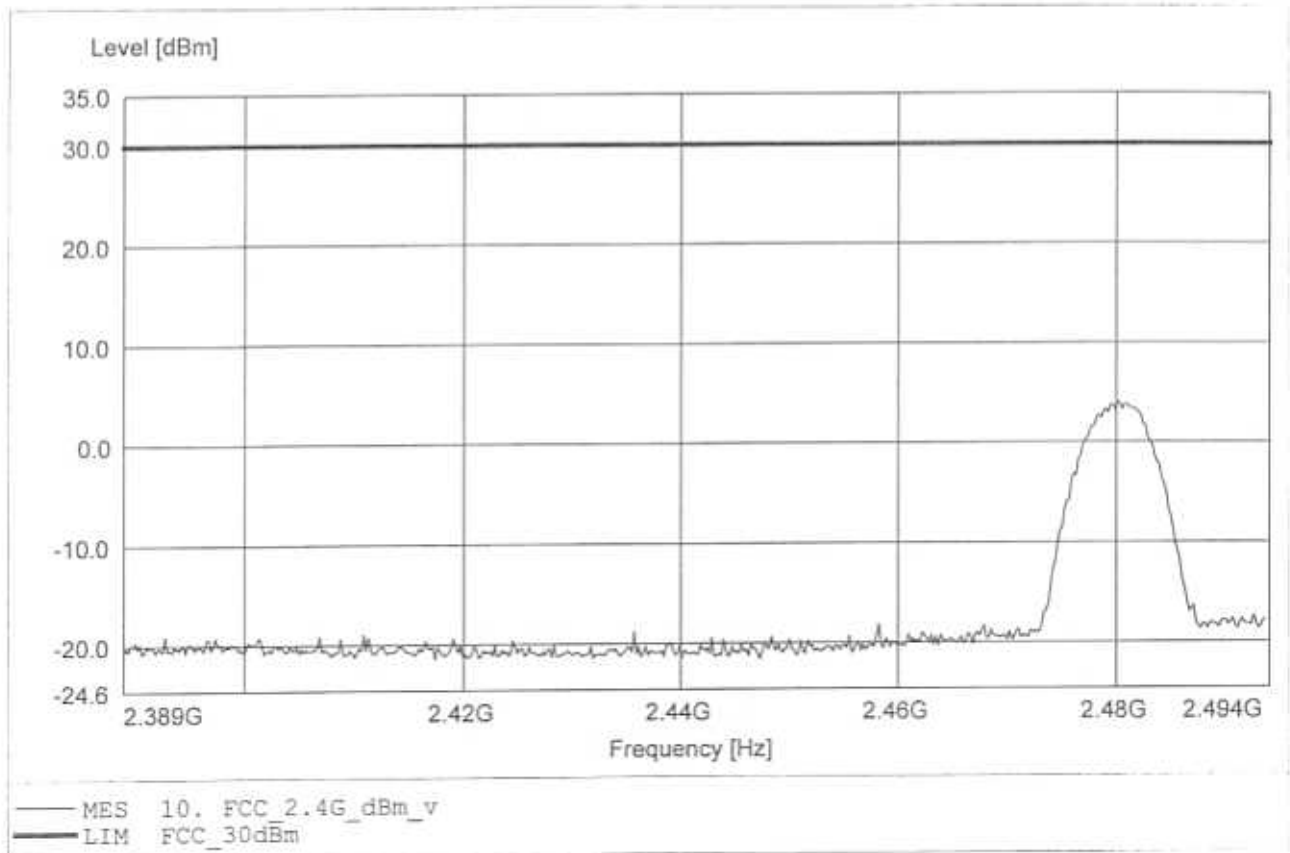
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -0.40dBm, RBW: 5MHz



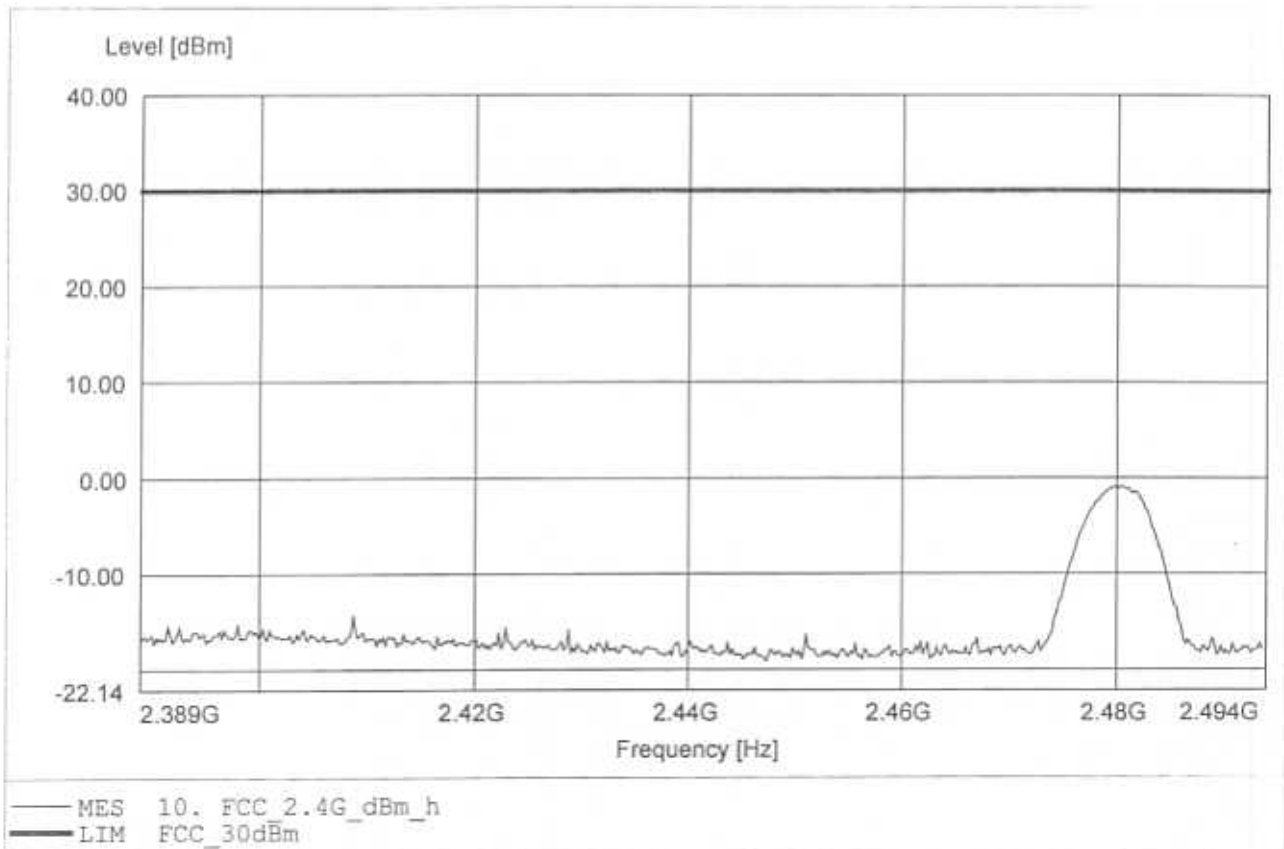
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 4.05dBm, RBW: 5MHz



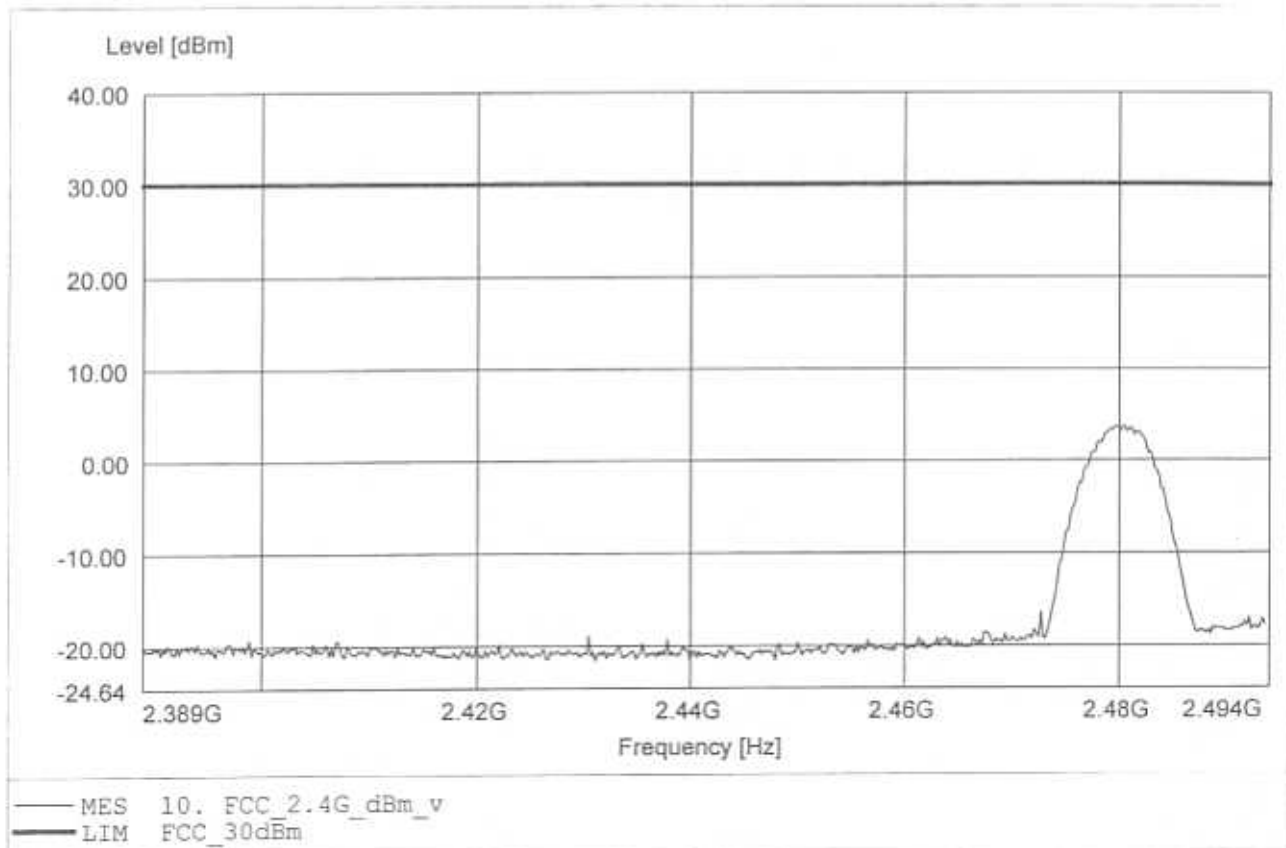
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -0.84dBm, RBW: 5MHz



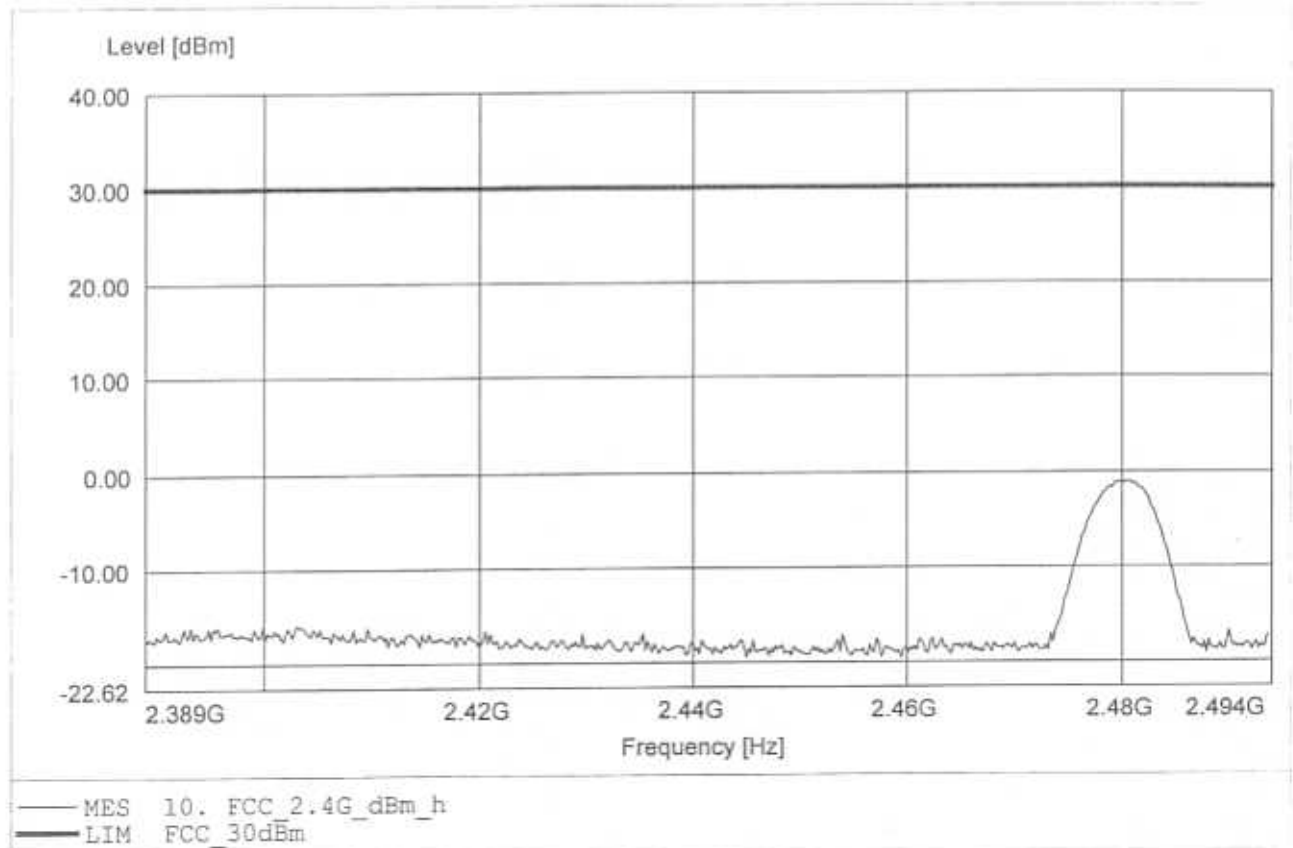
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 3.73dBm, RBW: 5MHz



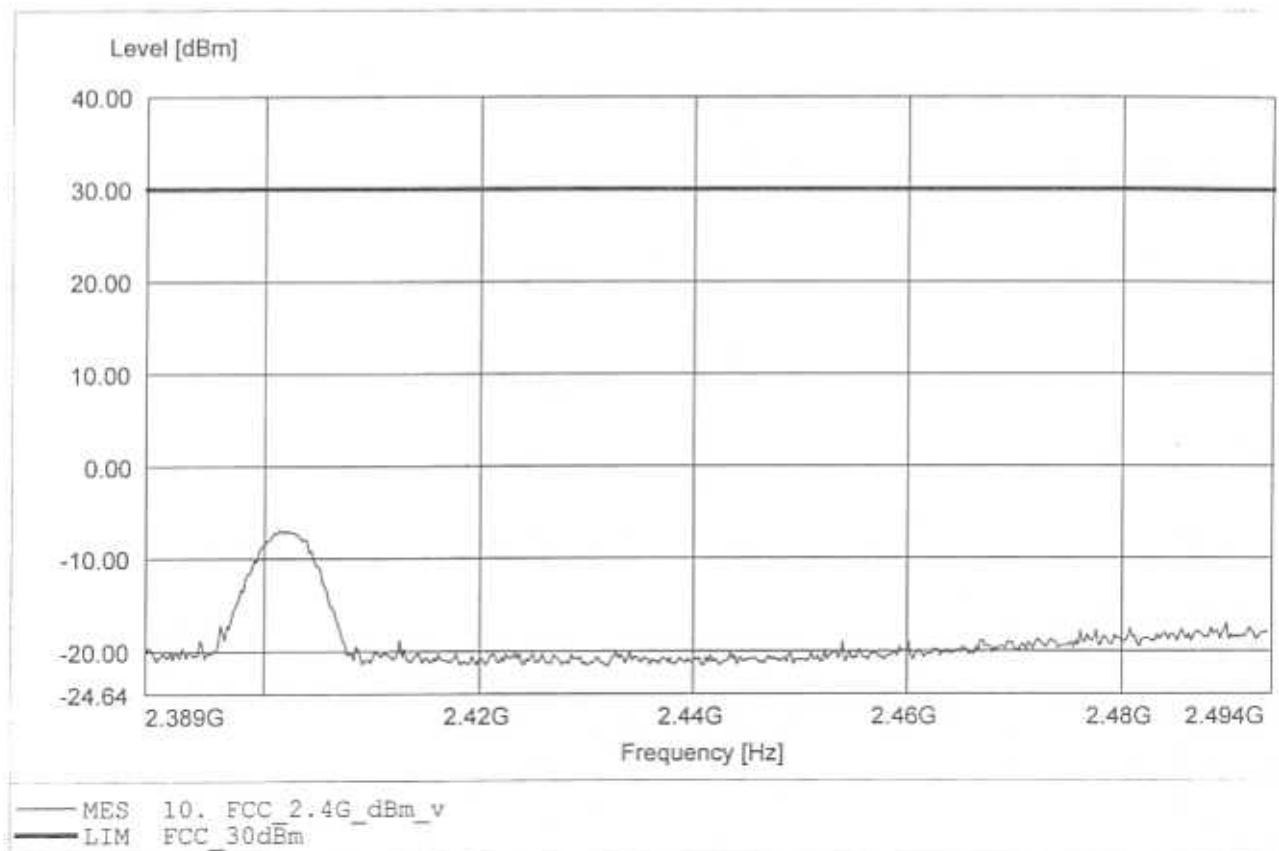
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
 Model: UGPZ2
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Umax: 3.5 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: BBHA9120D
 Comment 2: Freq: 2.480GHz, Pmax: -0.97dBm, RBW: 5MHz



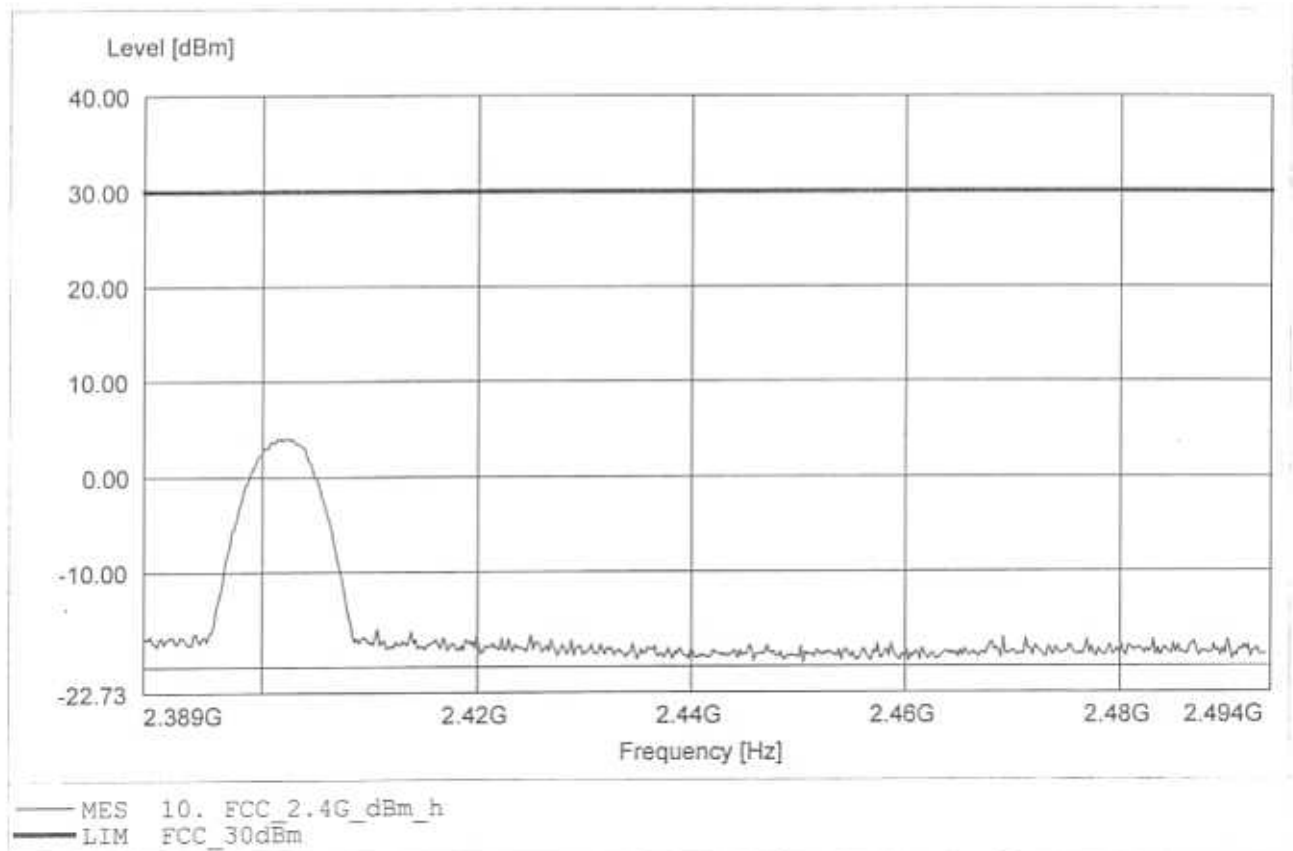
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.401GHz, Pmax: -6.97dBm, RBW: 5MHz



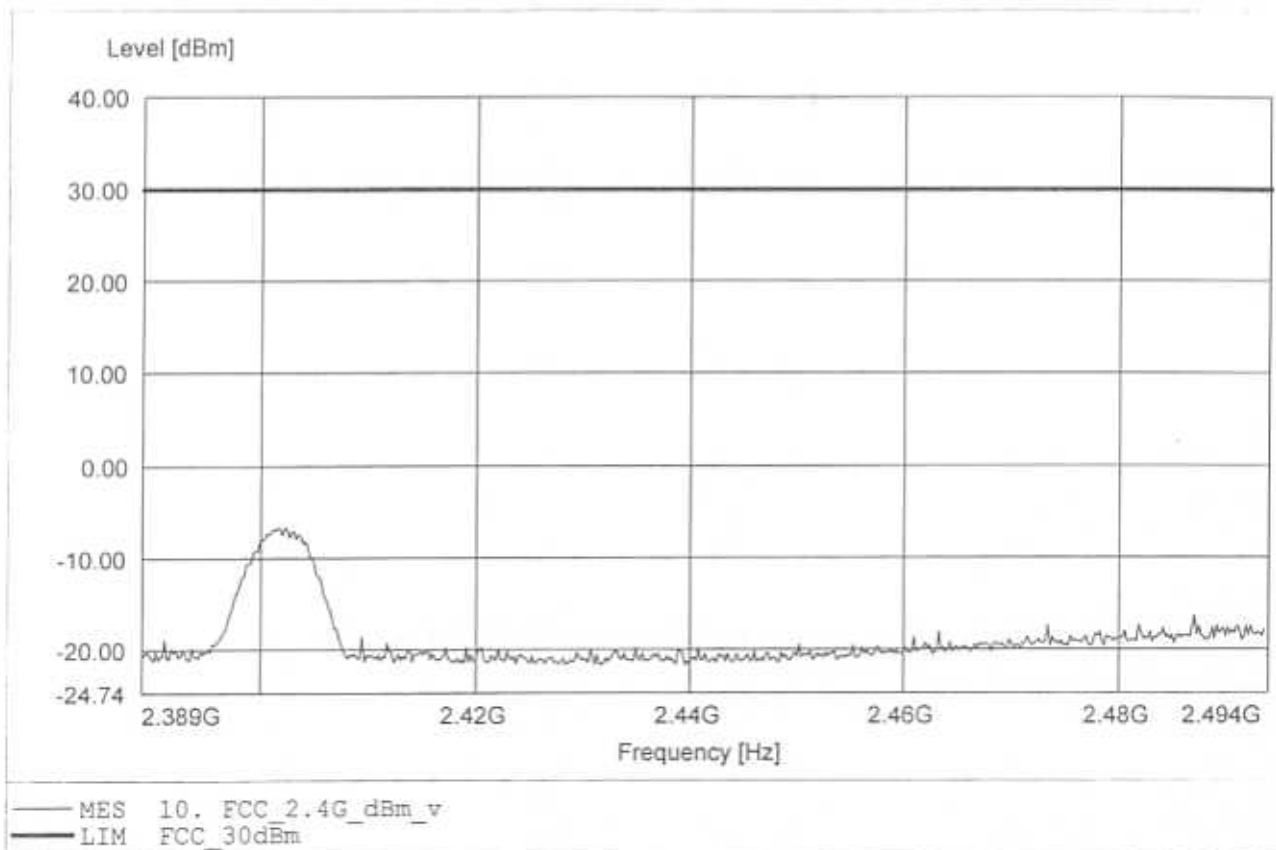
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2402 MHz
 Model: UGP22
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: BBHA9120D
 Comment 2: Freq: 2.402GHz, Pmax: 4.01dBm, RBW: 5MHz



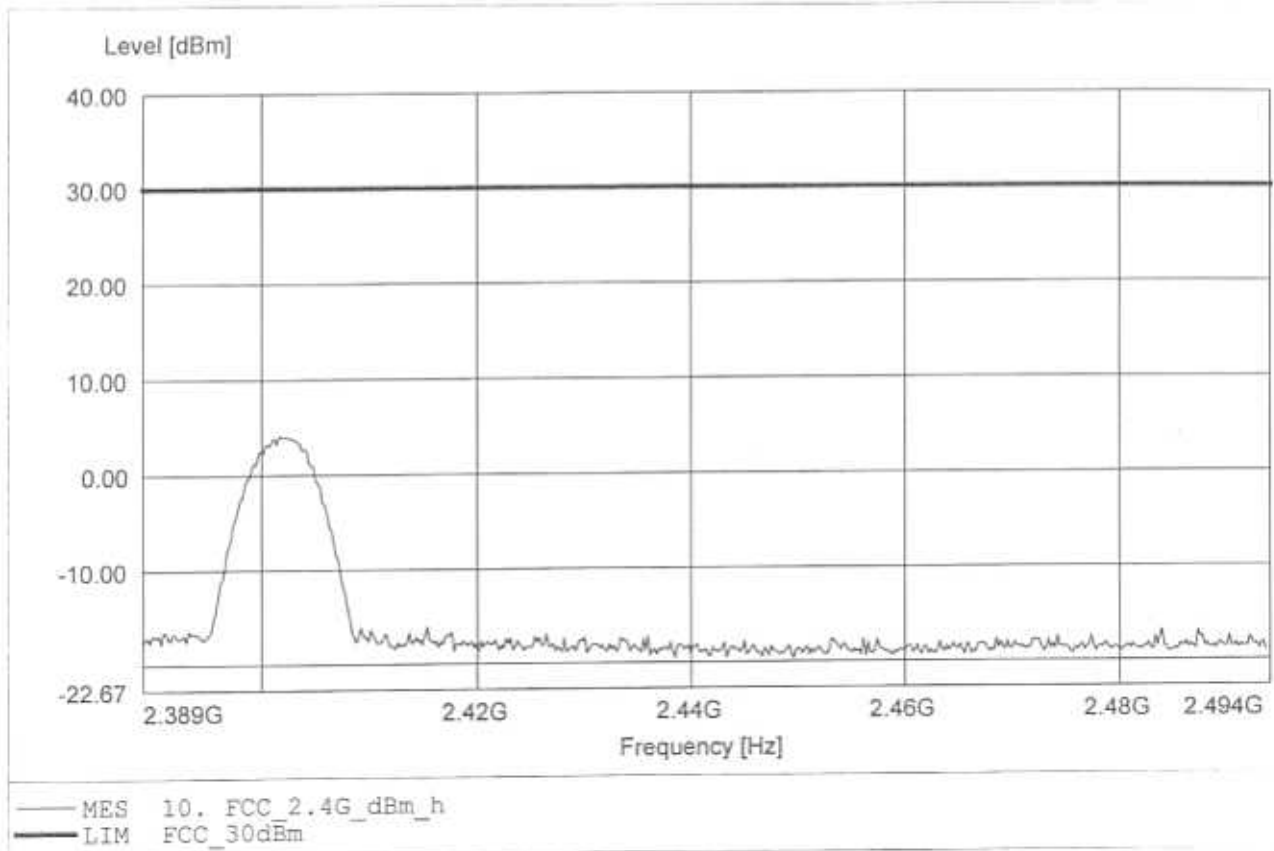
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -6.72dBm, RBW: 5MHz



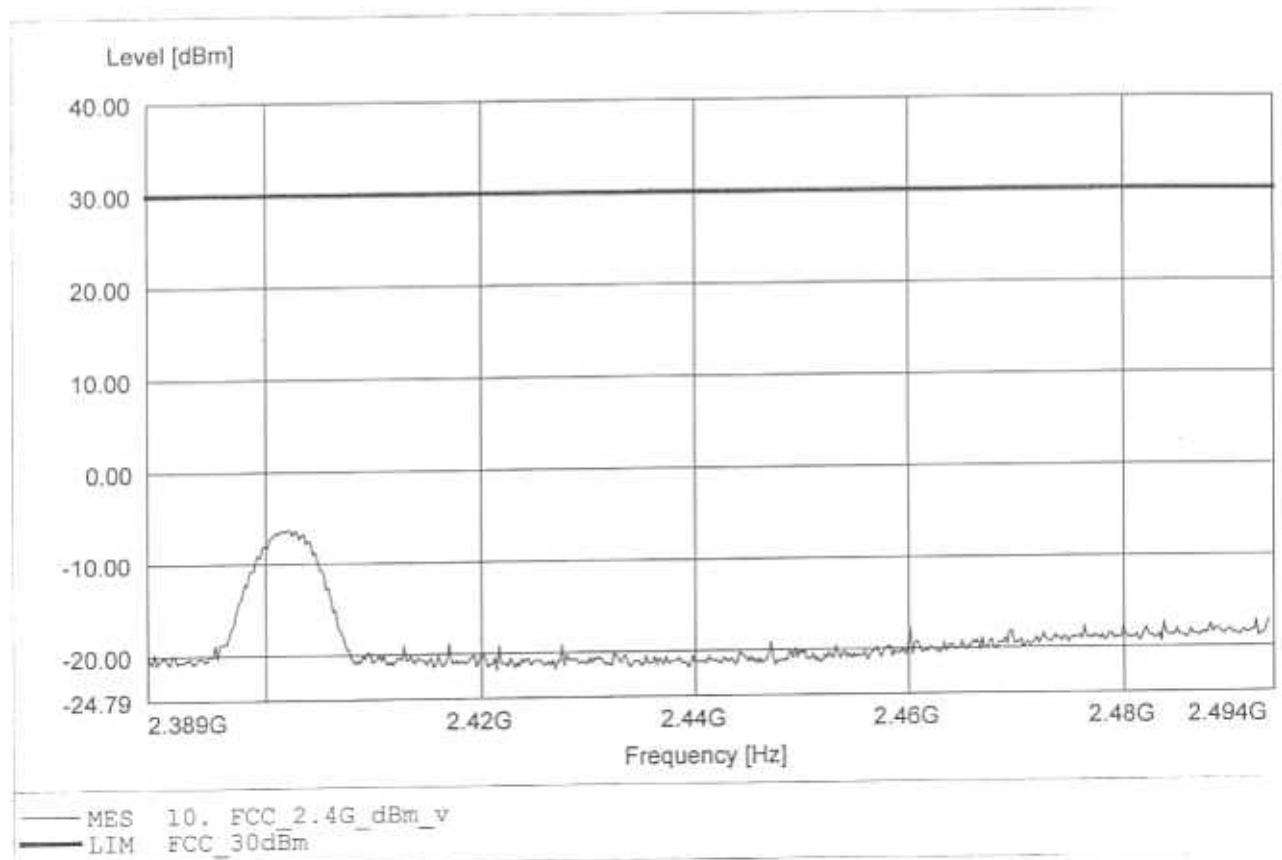
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 4.08dBm, RBW: 5MHz



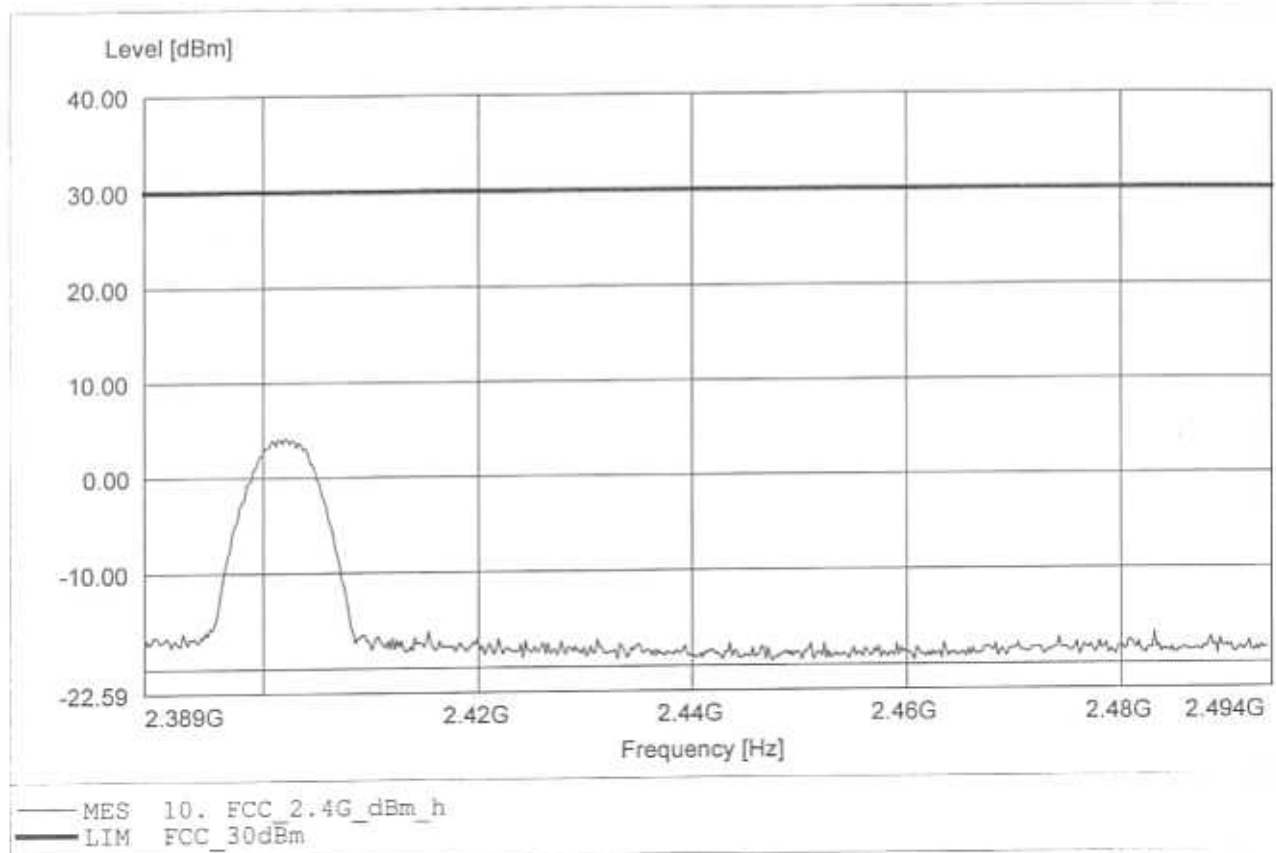
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -6.30dBm, RBW: 5MHz



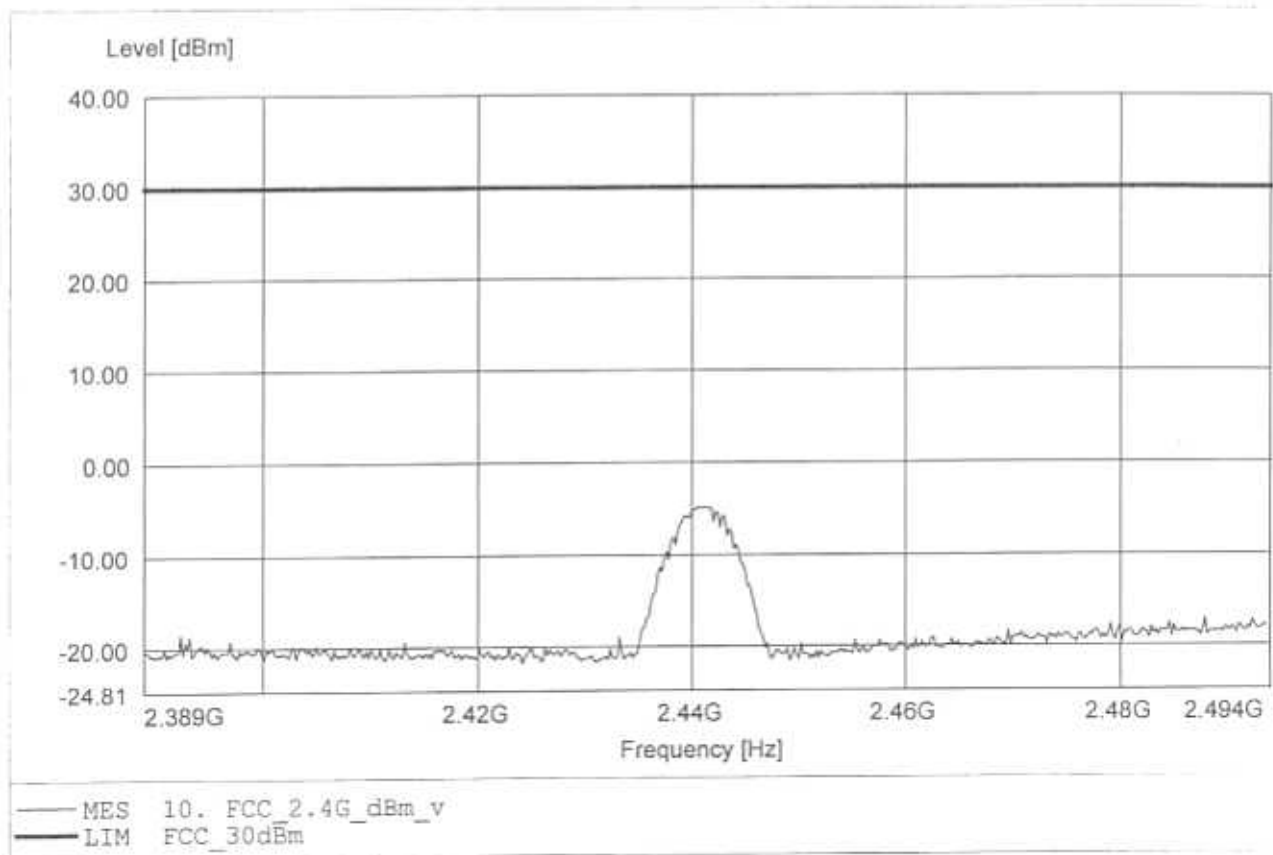
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 4.13dBm, RBW: 5MHz



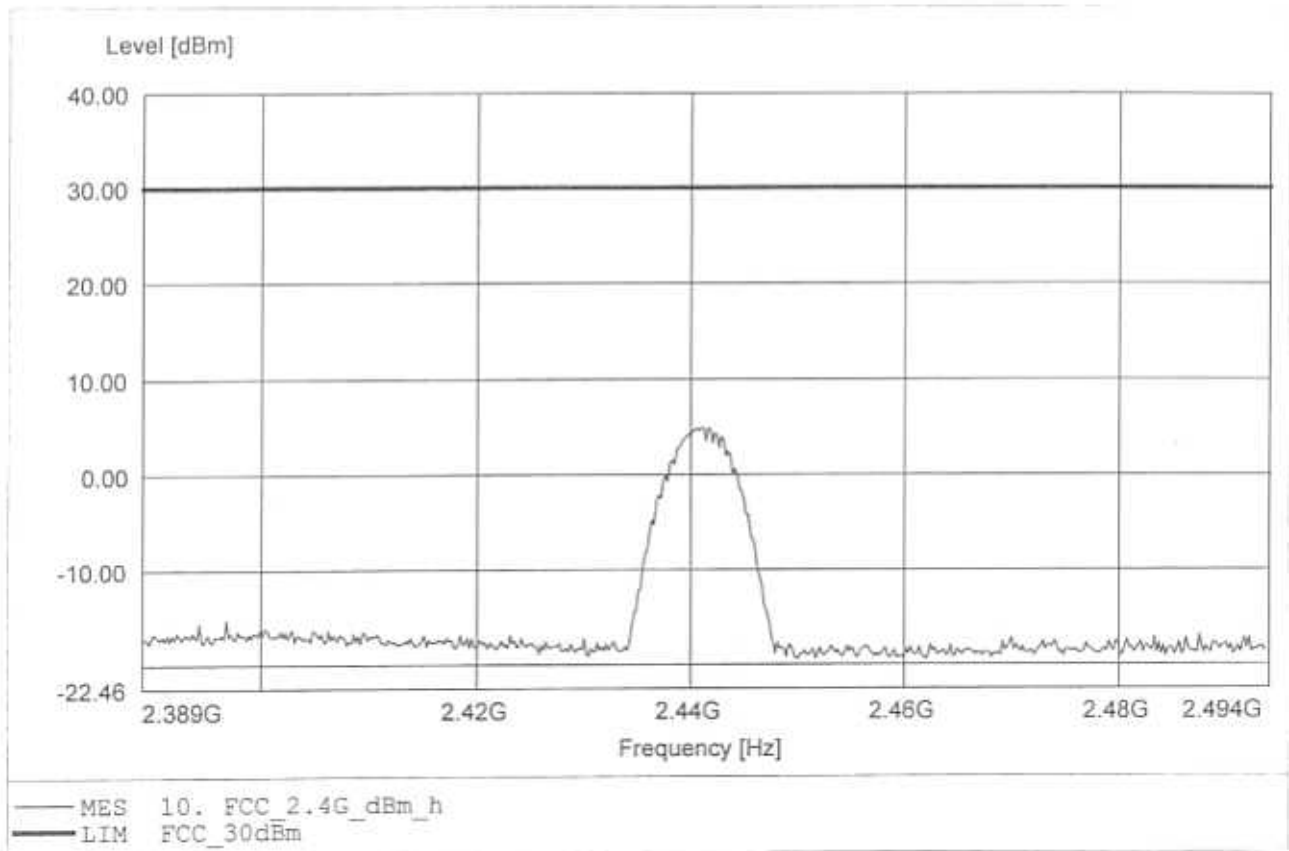
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -4.82dBm, RBW: 5MHz



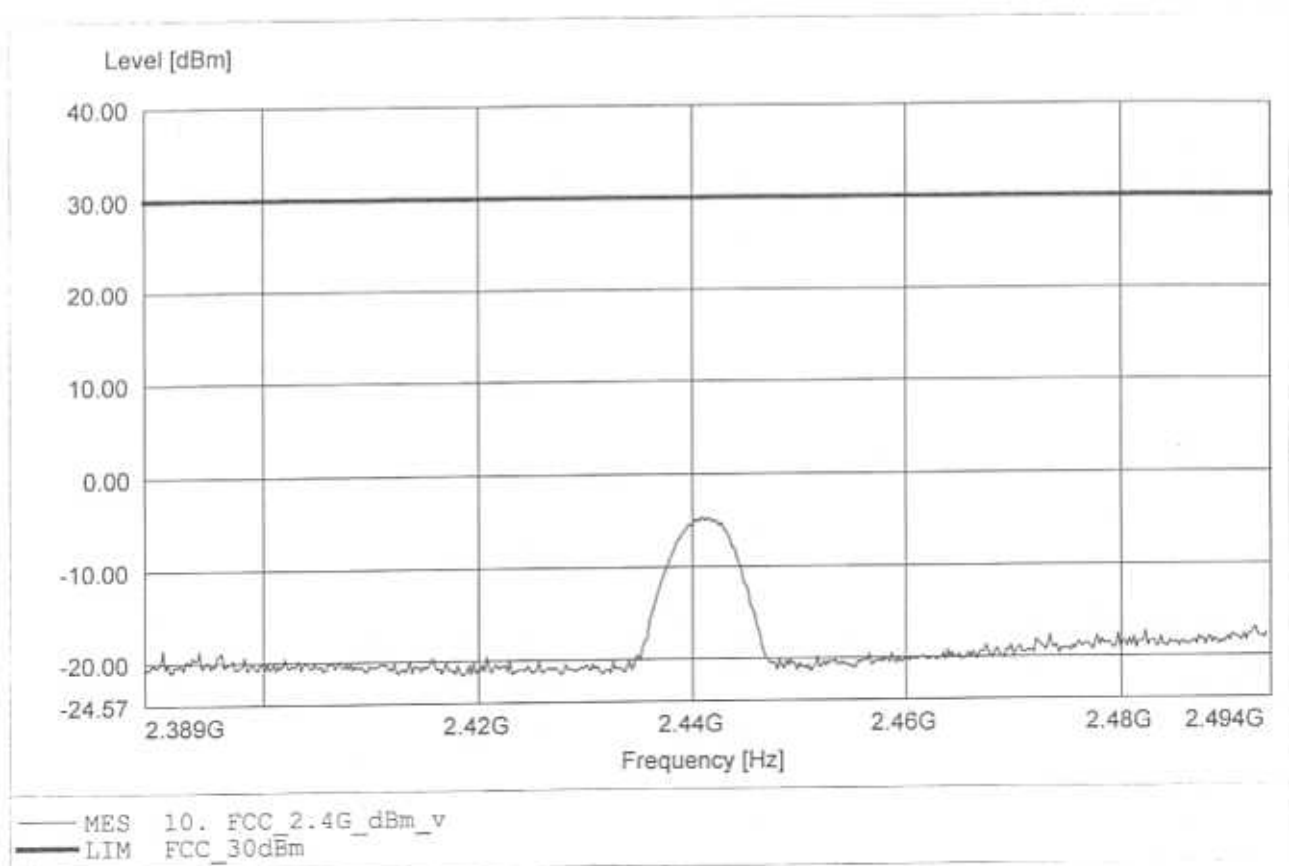
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 4.93dBm, RBW: 5MHz



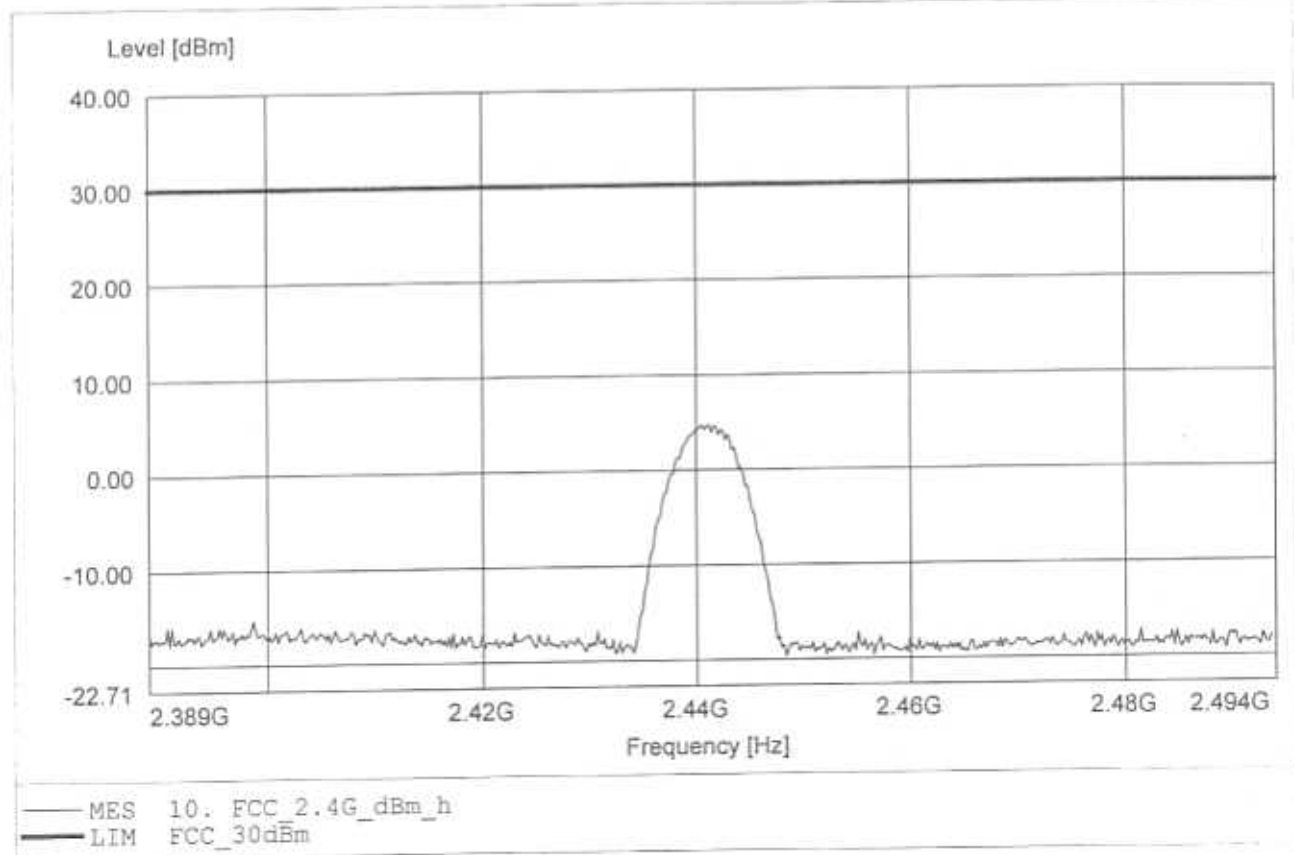
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -4.65dBm, RBW: 5MHz



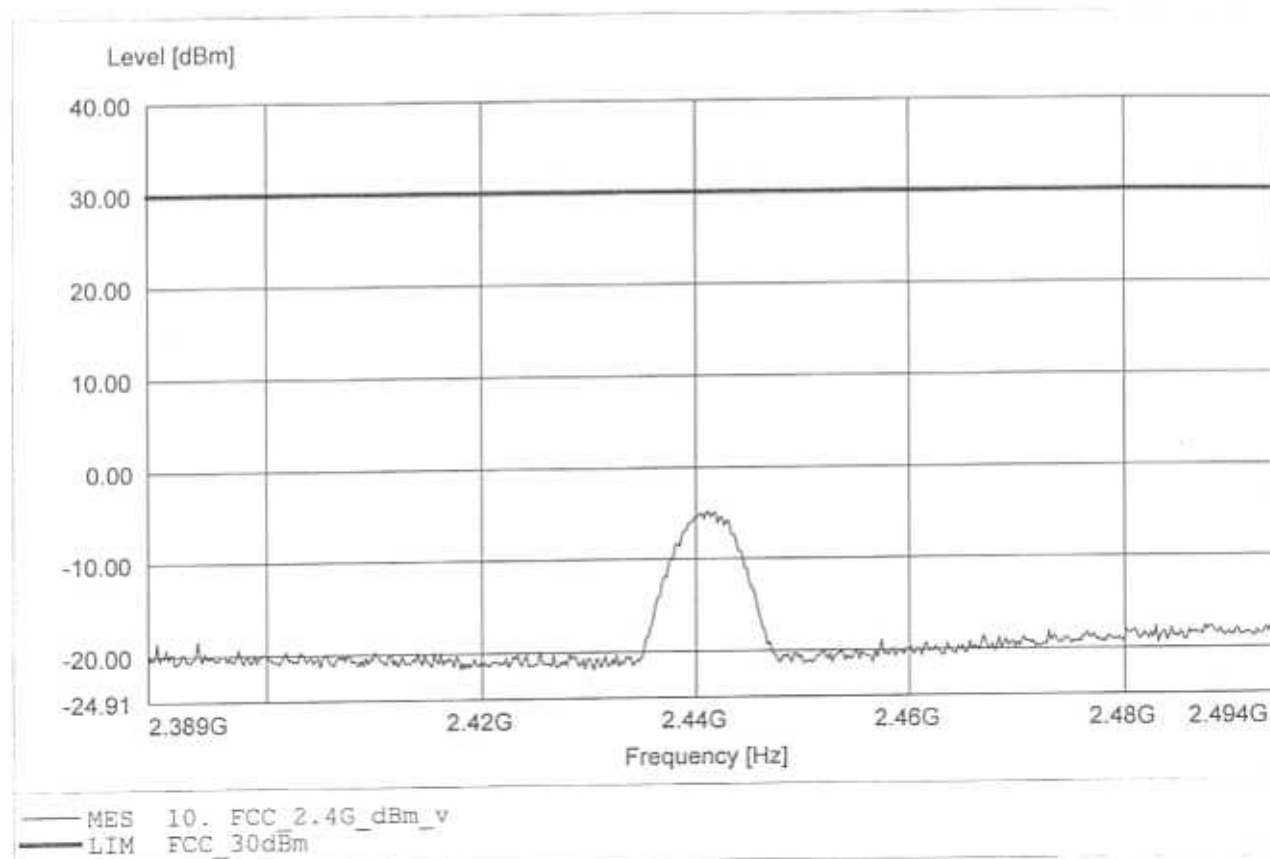
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 4.73dBm, RBW: 5MHz



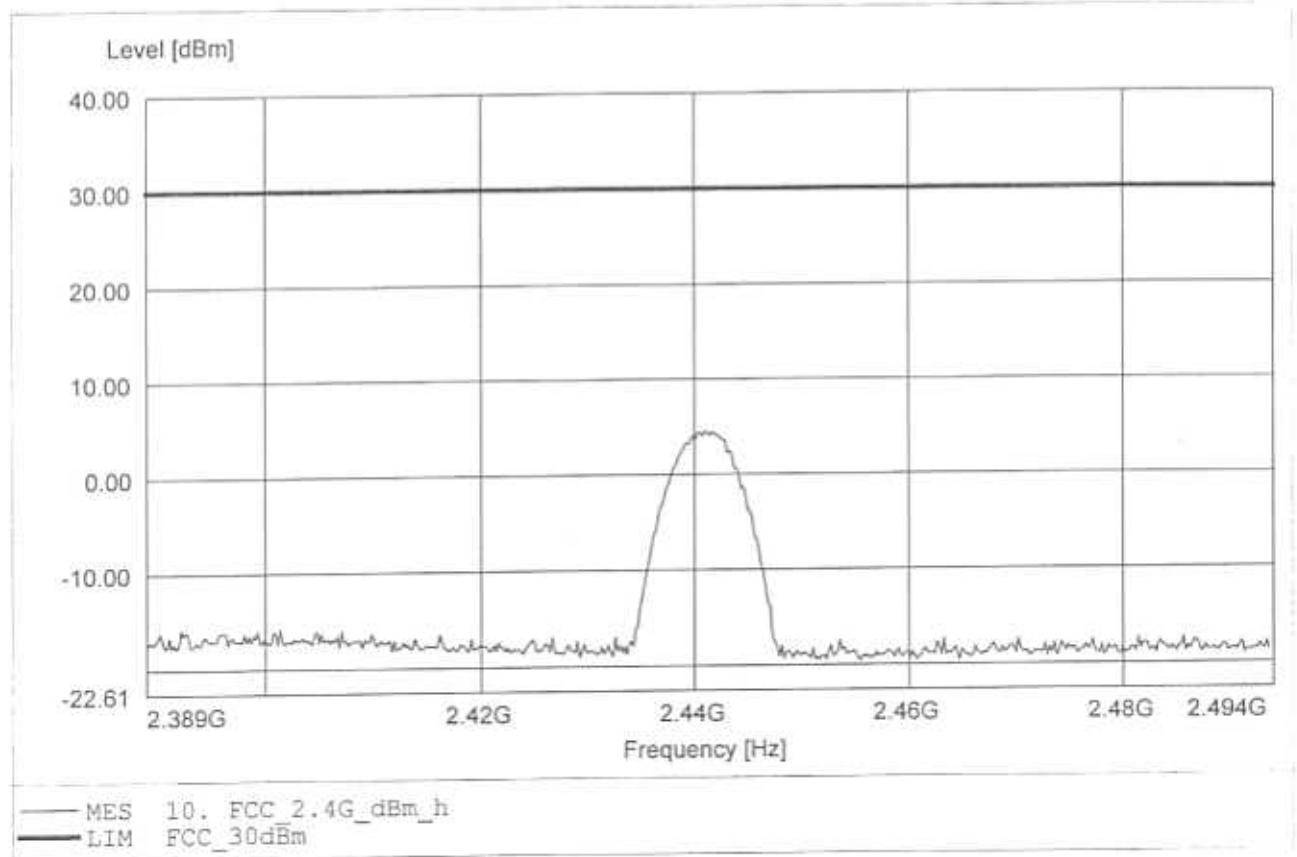
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -4.82dBm, RBW: 5MHz



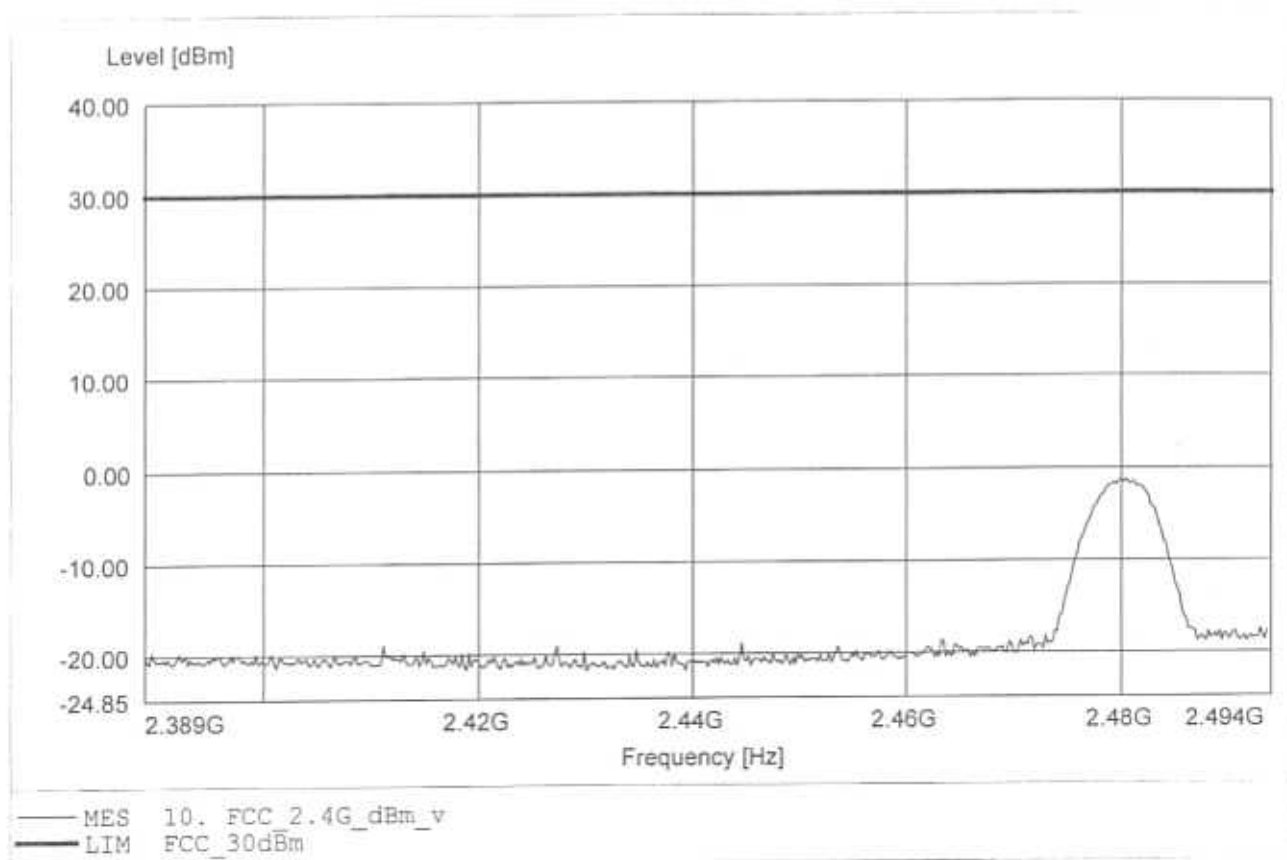
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 4.47dBm, RBW: 5MHz



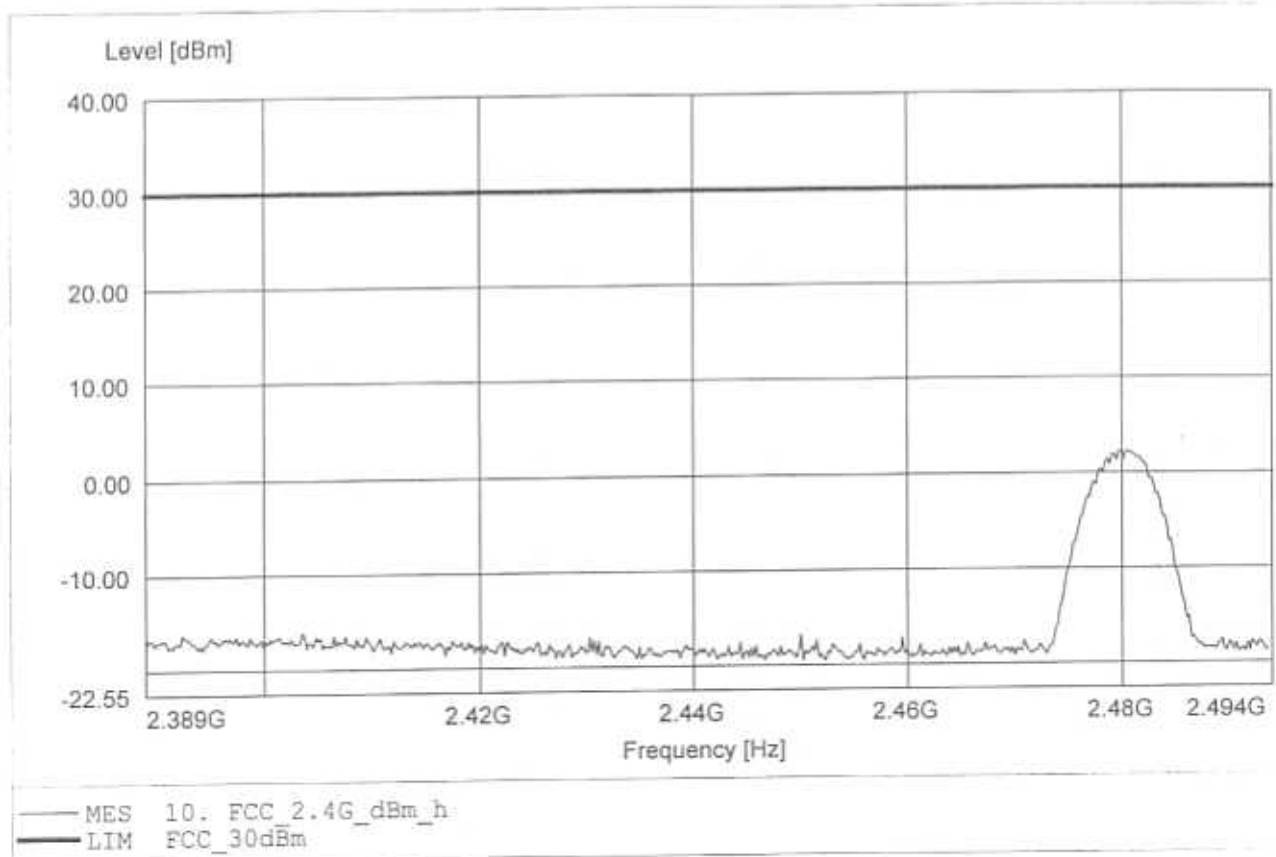
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom: 23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -1.30dBm, RBW: 5MHz



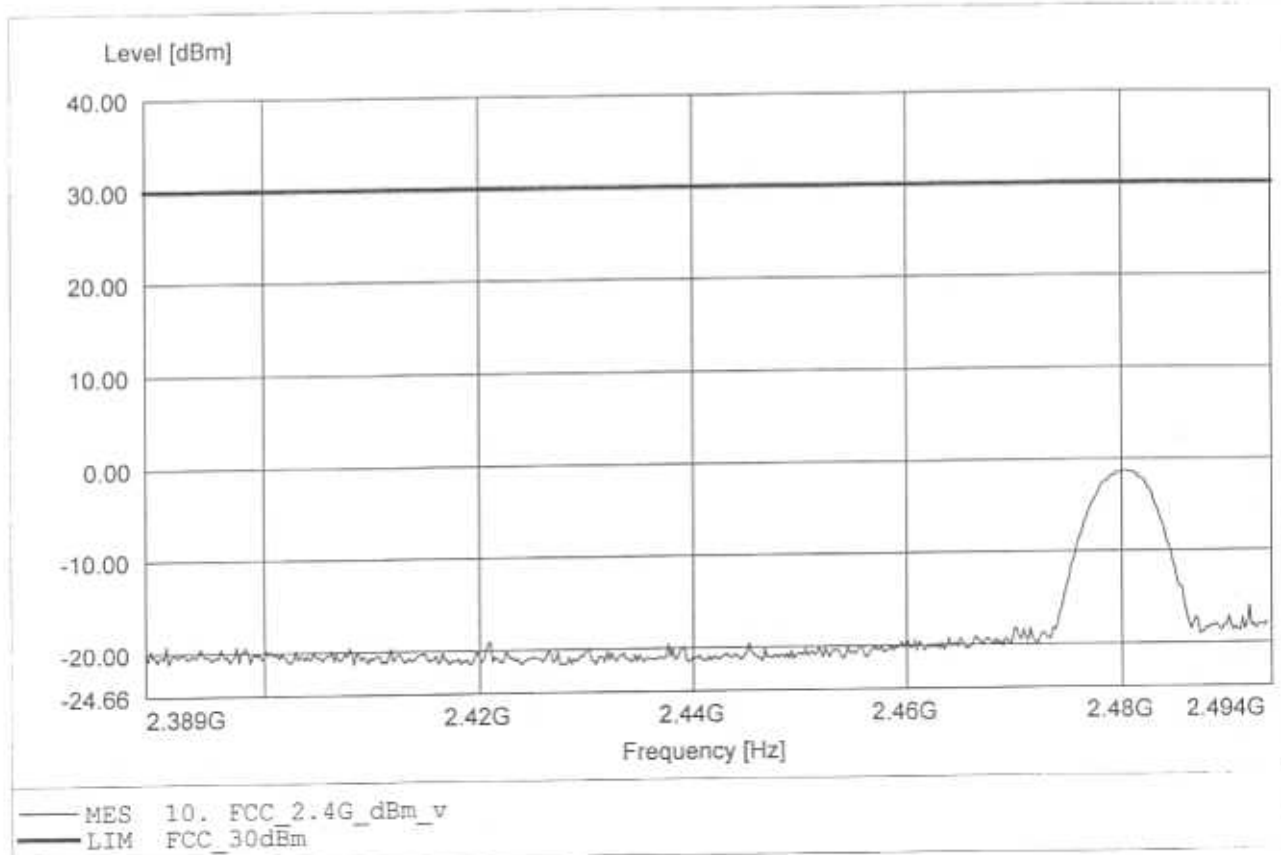
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 2.26dBm, RBW: 5MHz



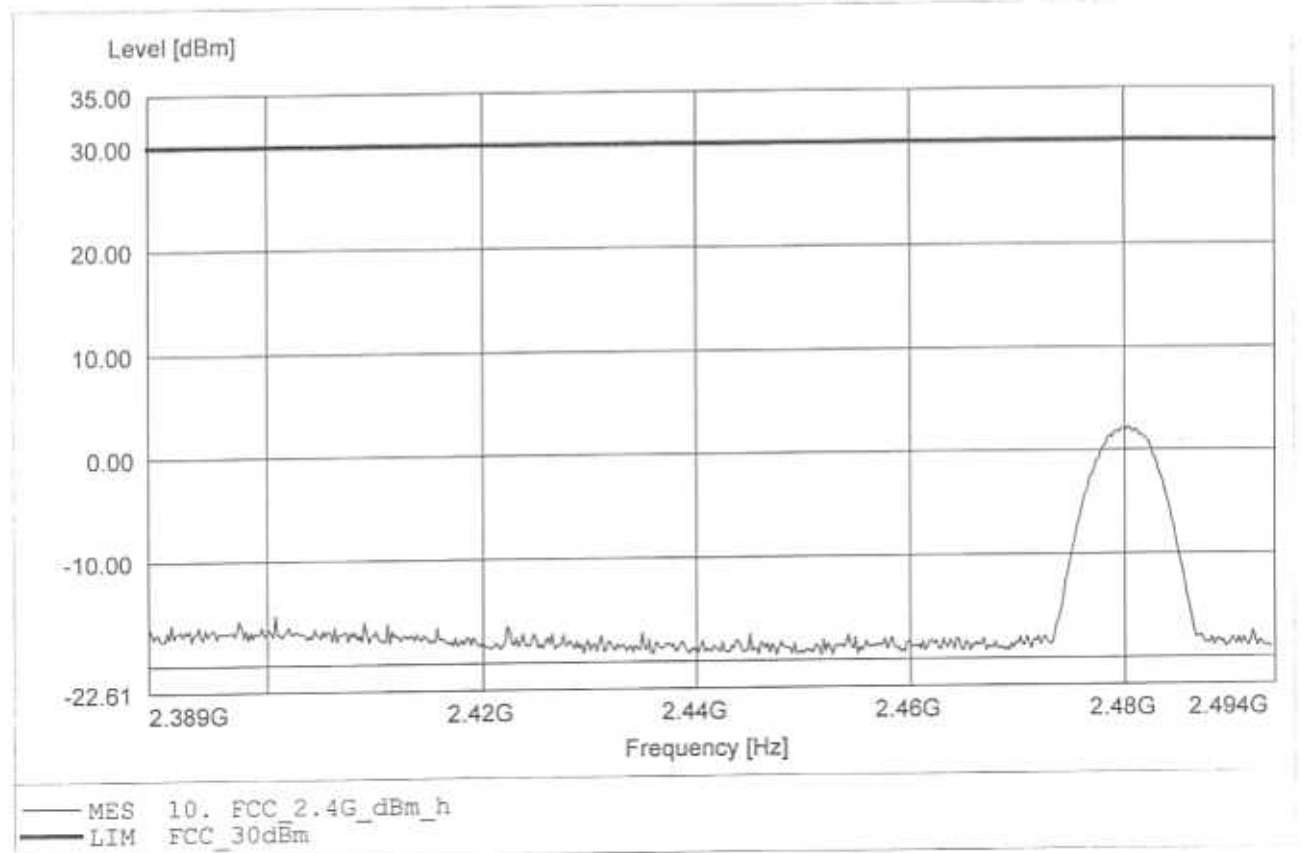
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -1.24dBm, RBW: 5MHz



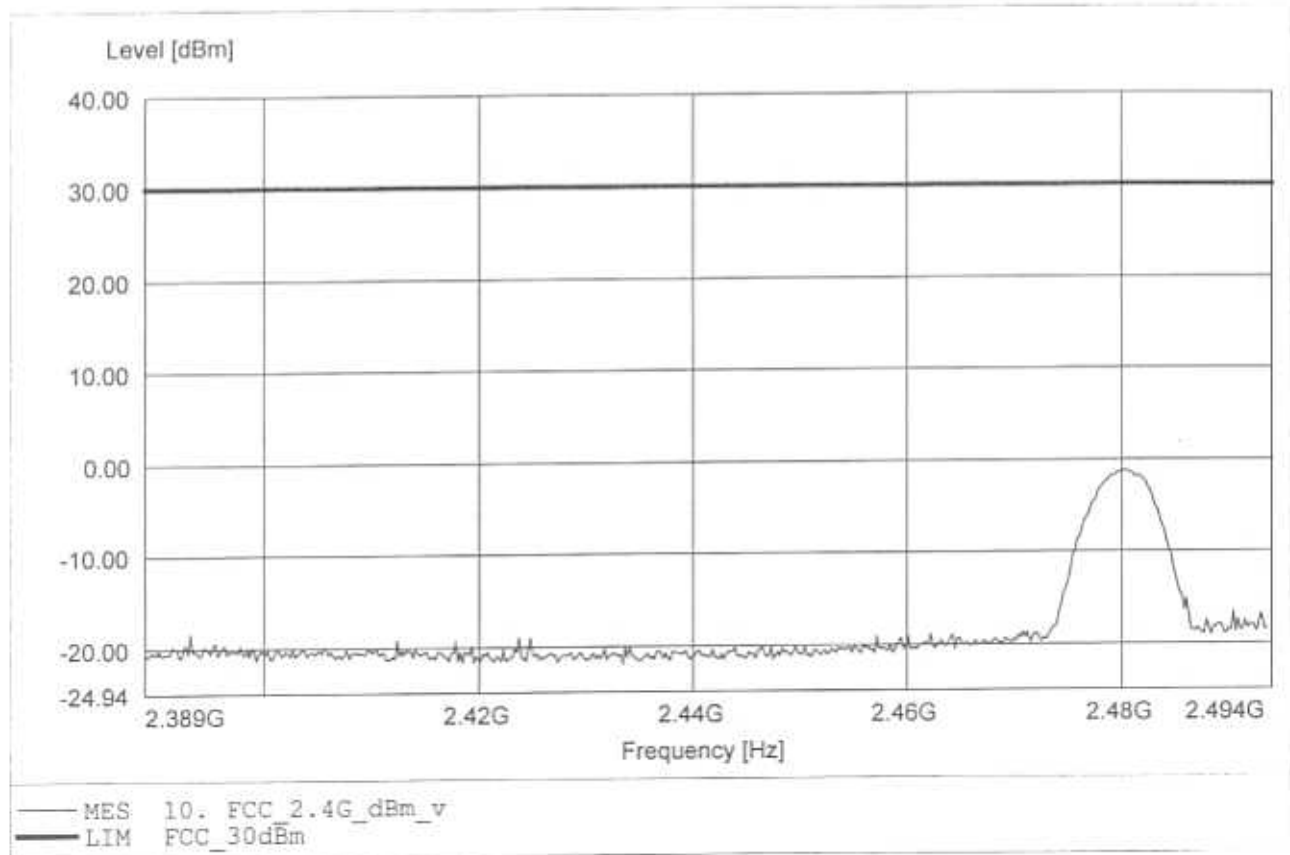
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umin: 3.1 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 2.25dBm, RBW: 5MHz



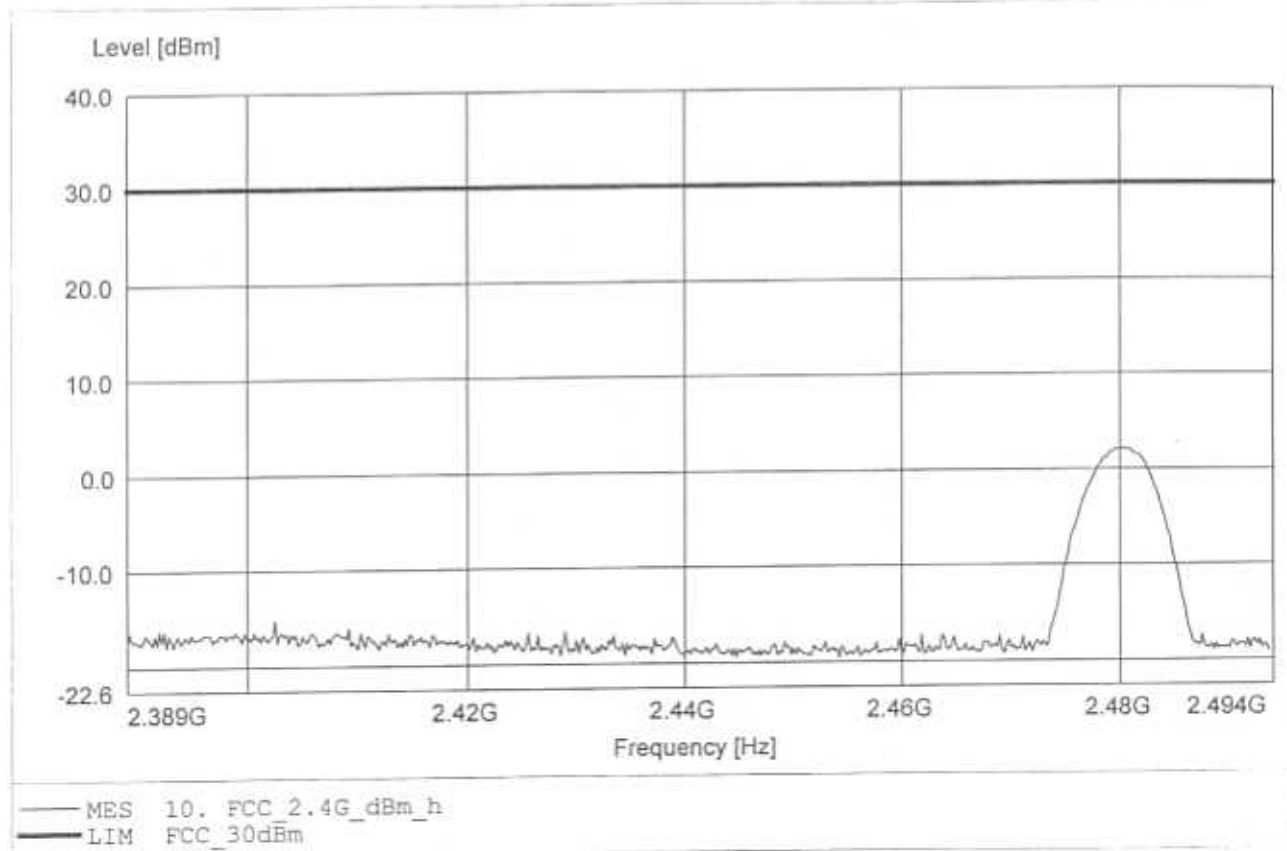
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -1.17dBm, RBW: 5MHz



Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: int. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Umax: 3.5 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 2.19dBm, RBW: 5MHz

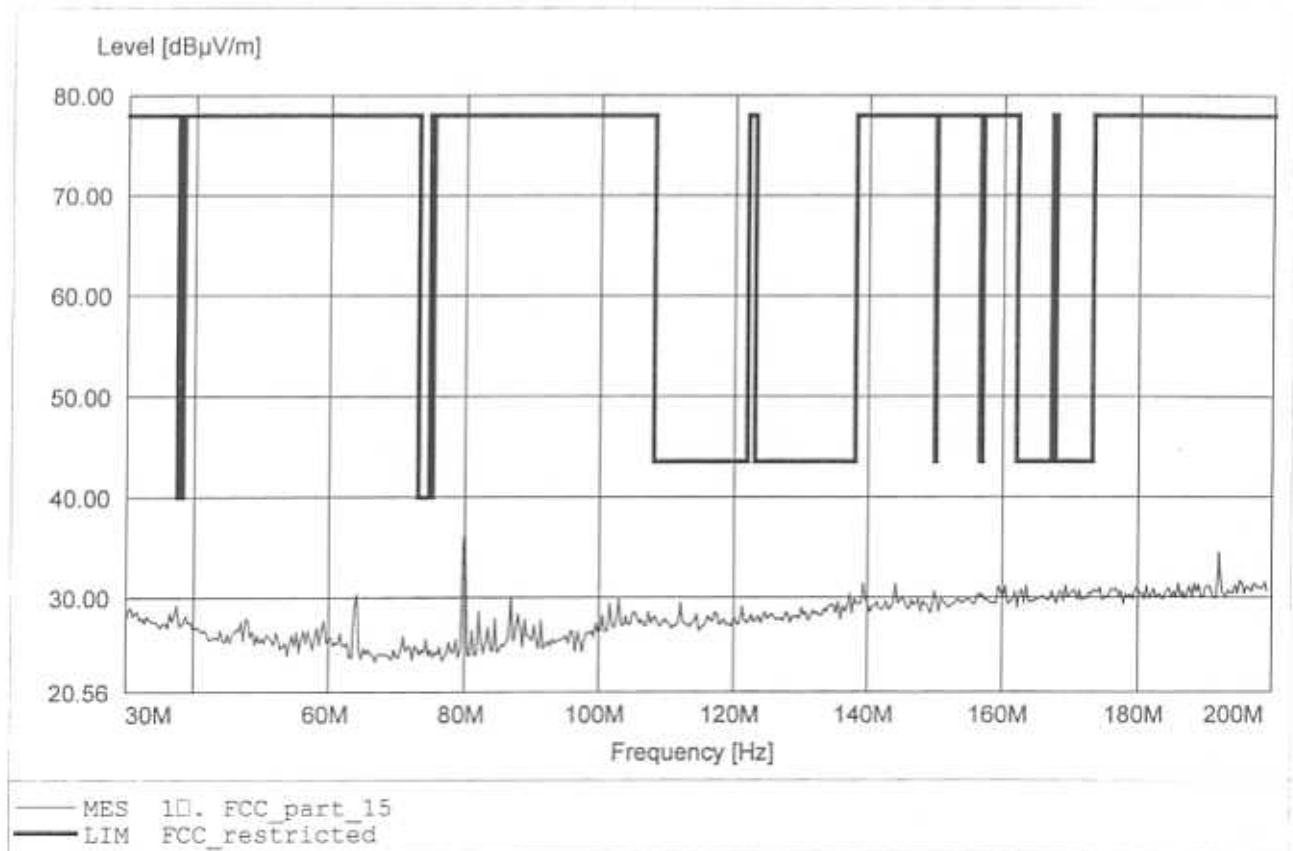


Appendix C

Spurious Emissions radiated - Transmitter operating

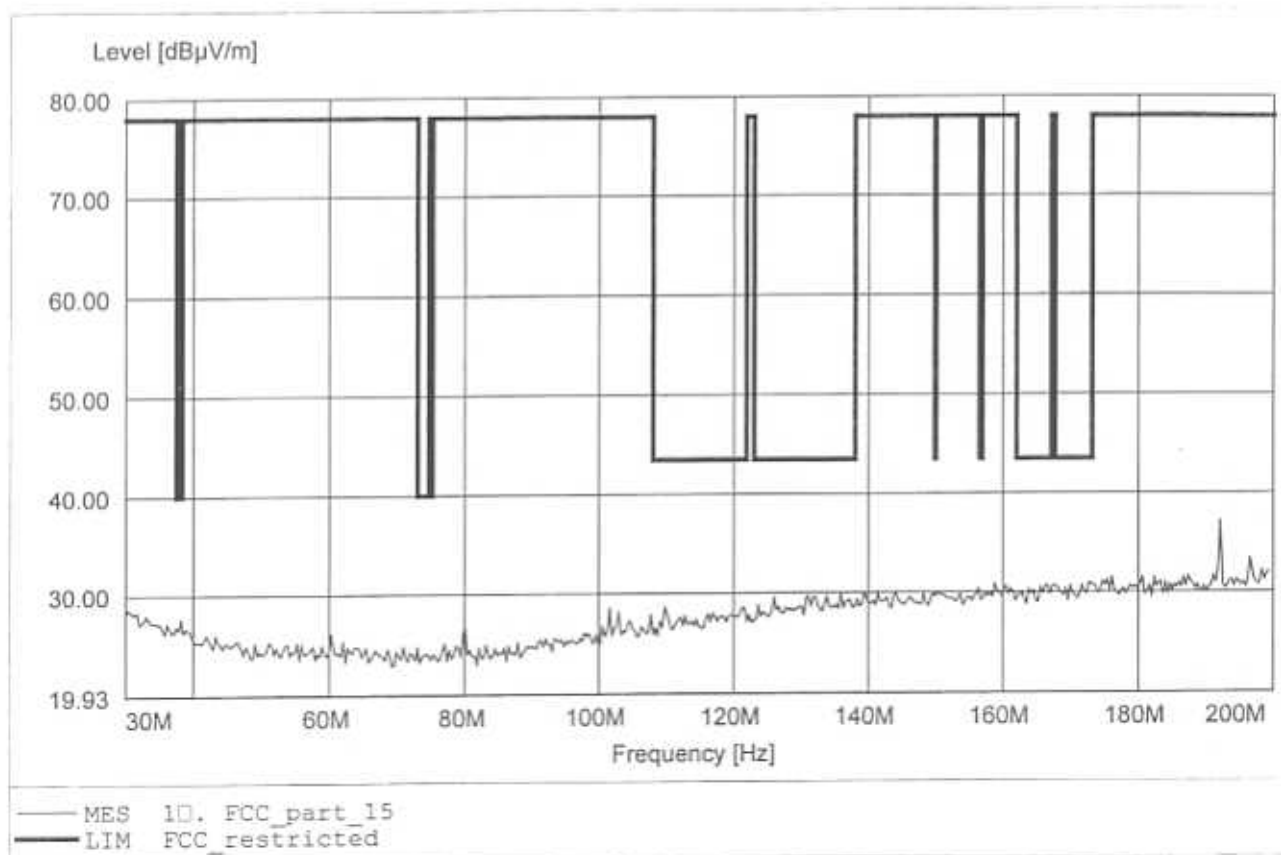
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 80.080MHz, Emax: 36.18dBμV/m, RBW: 100kHz



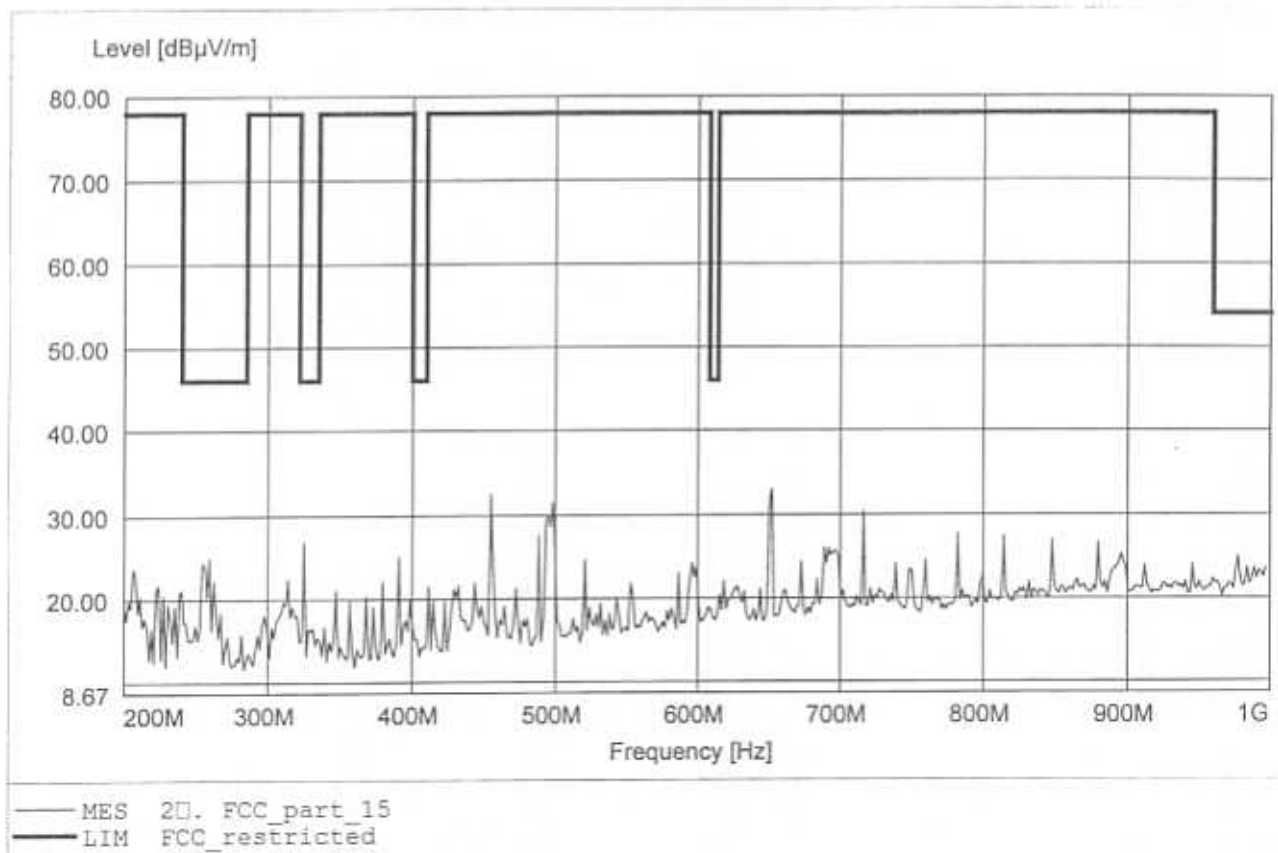
Spurious emissions Field Strength **FCC RULES PART 15, SUBPART C**

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
 Model: UGPZ2
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: HK 116
 Comment 2: Freq: 192.164MHz, Emax: 37.25dBµV/m, RBW: 100kHz



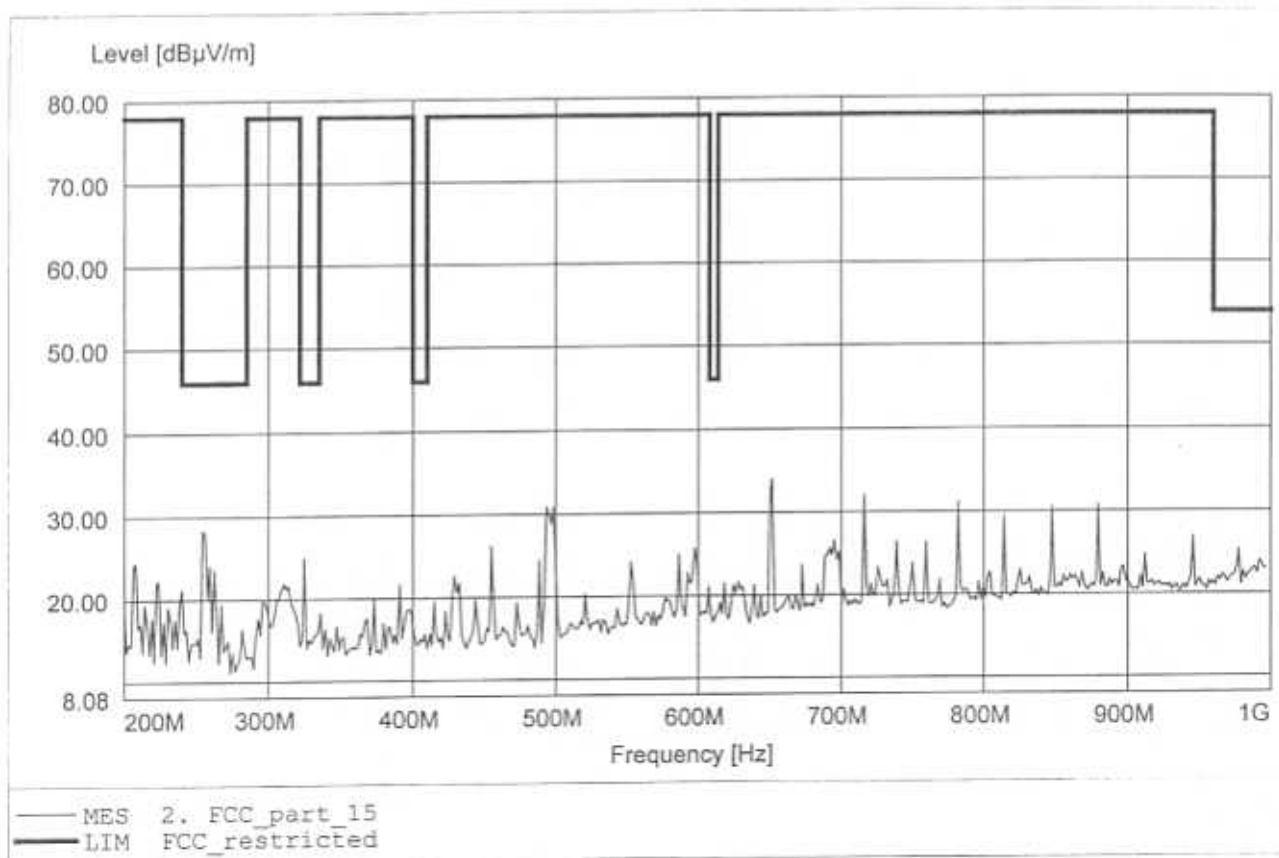
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 652.104MHz, Emax: 33.09dBµV/m, RBW: 100kHz



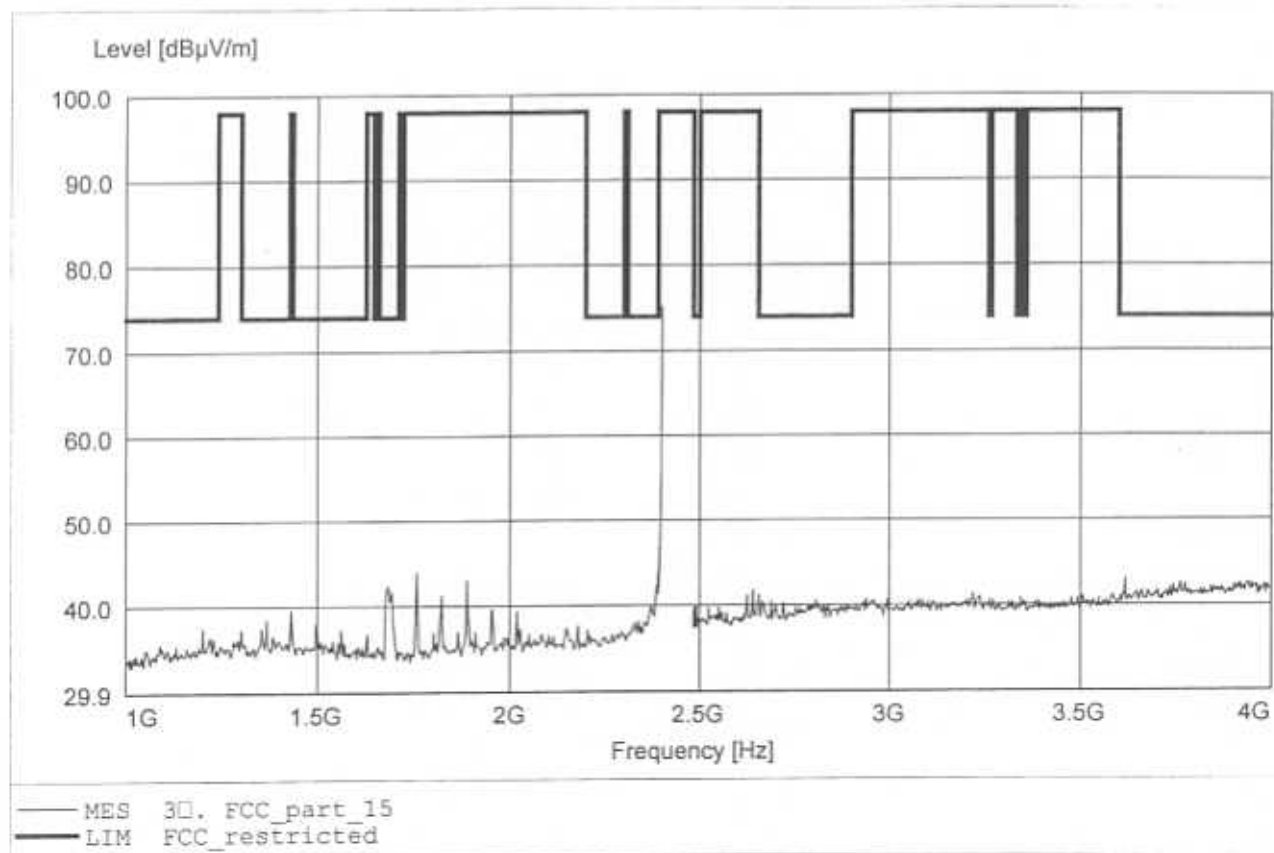
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
 Model: UGPZ2
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
 Comment 2: Freq: 652.104MHz, Emax: 34.08dBµV/m, RBW: 100kHz



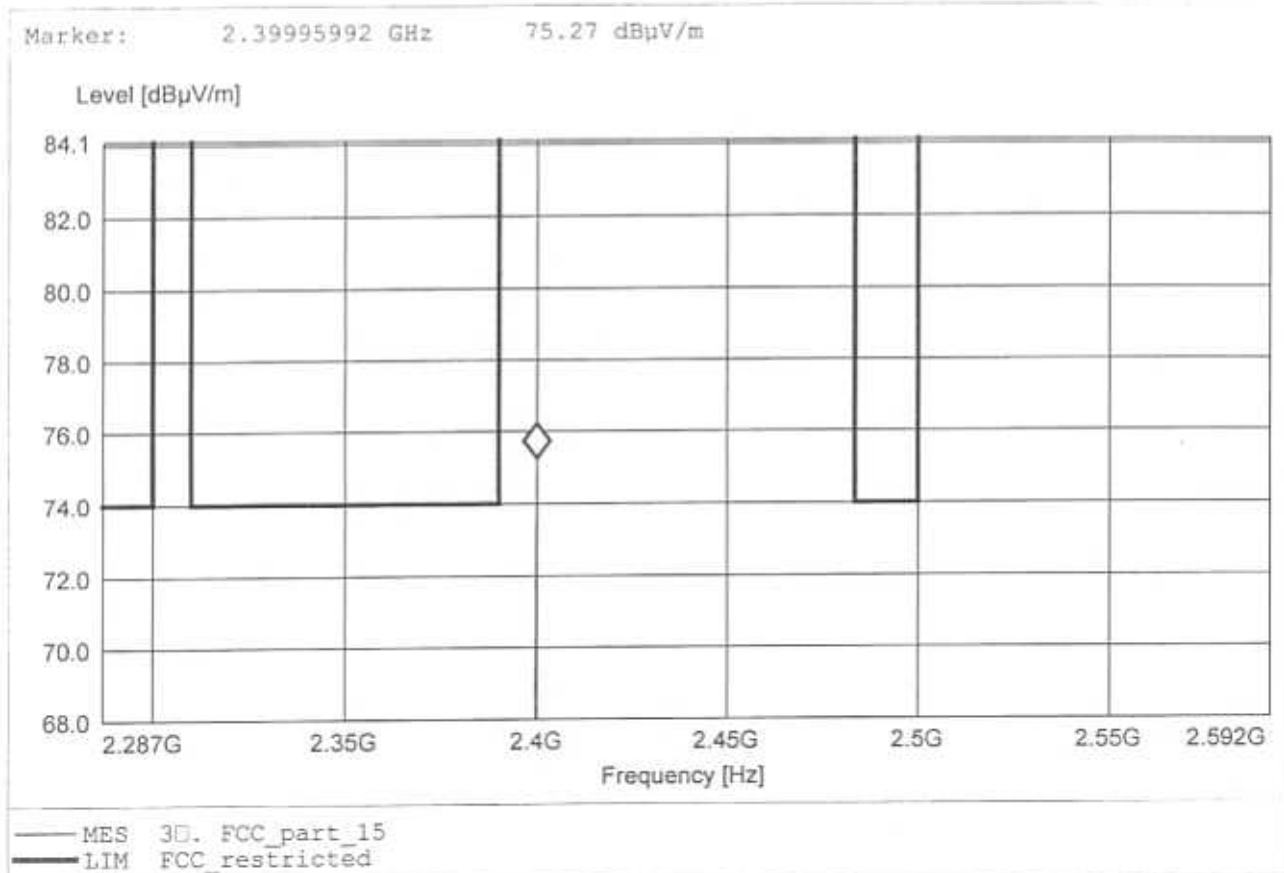
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 75.27dBμV/m, RBW: 1MHz



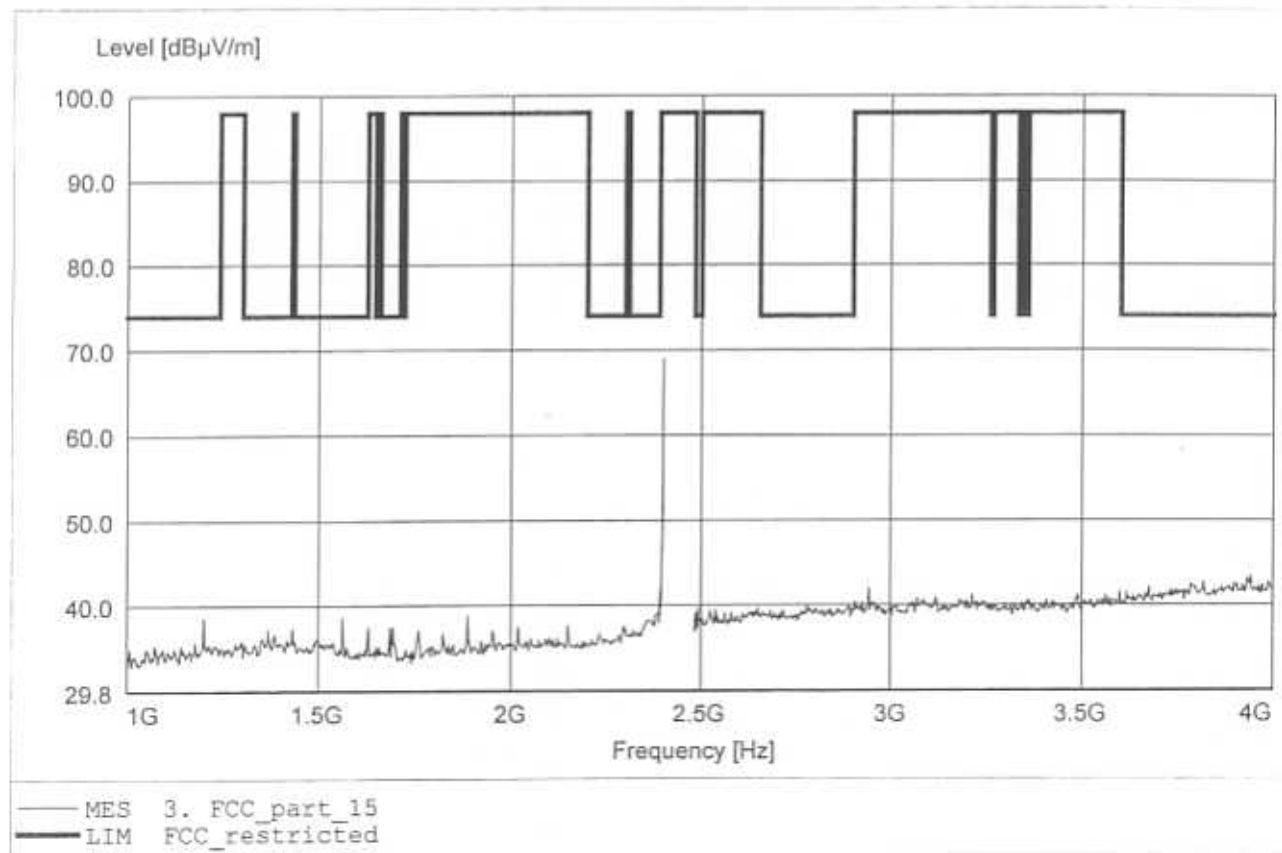
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 75.27dBuV/m, RBW: 1MHz



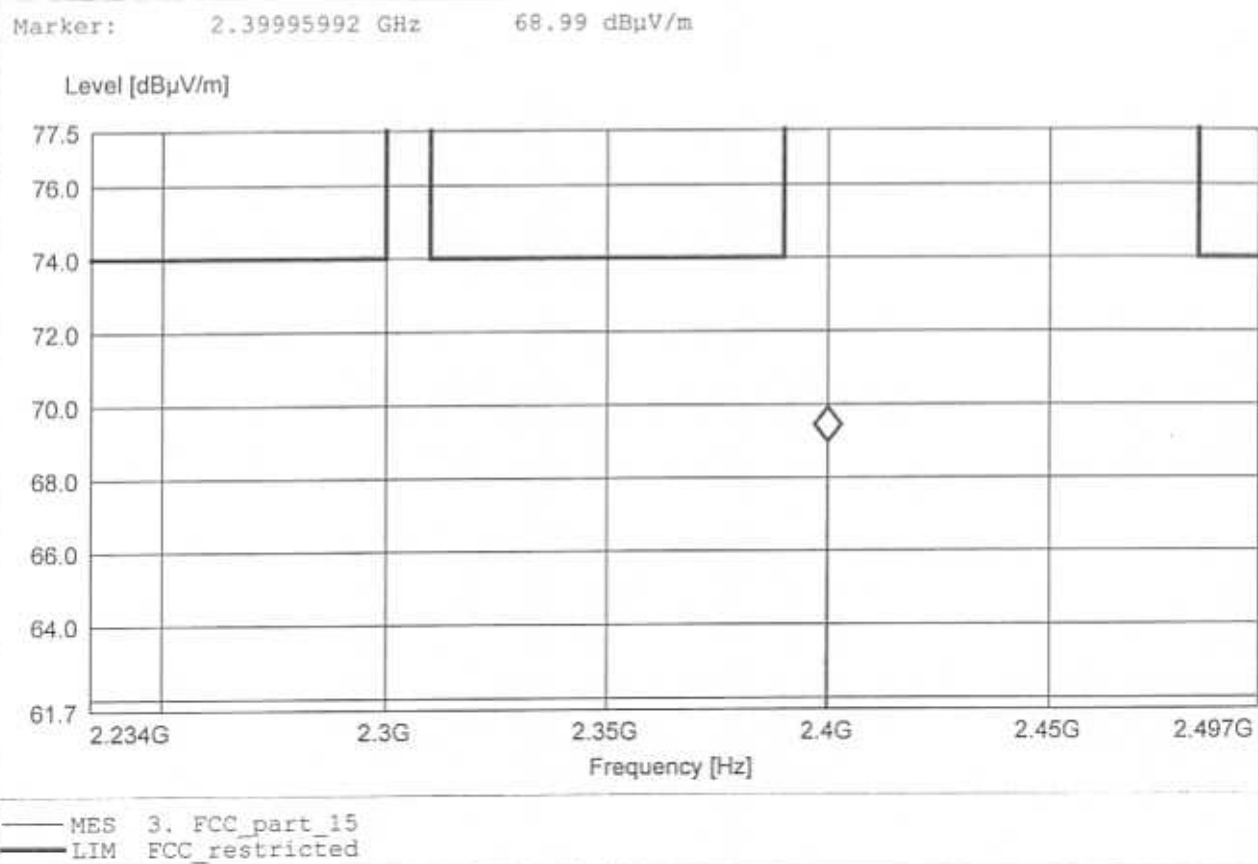
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 68.99dBμV/m, RBW: 1MHz



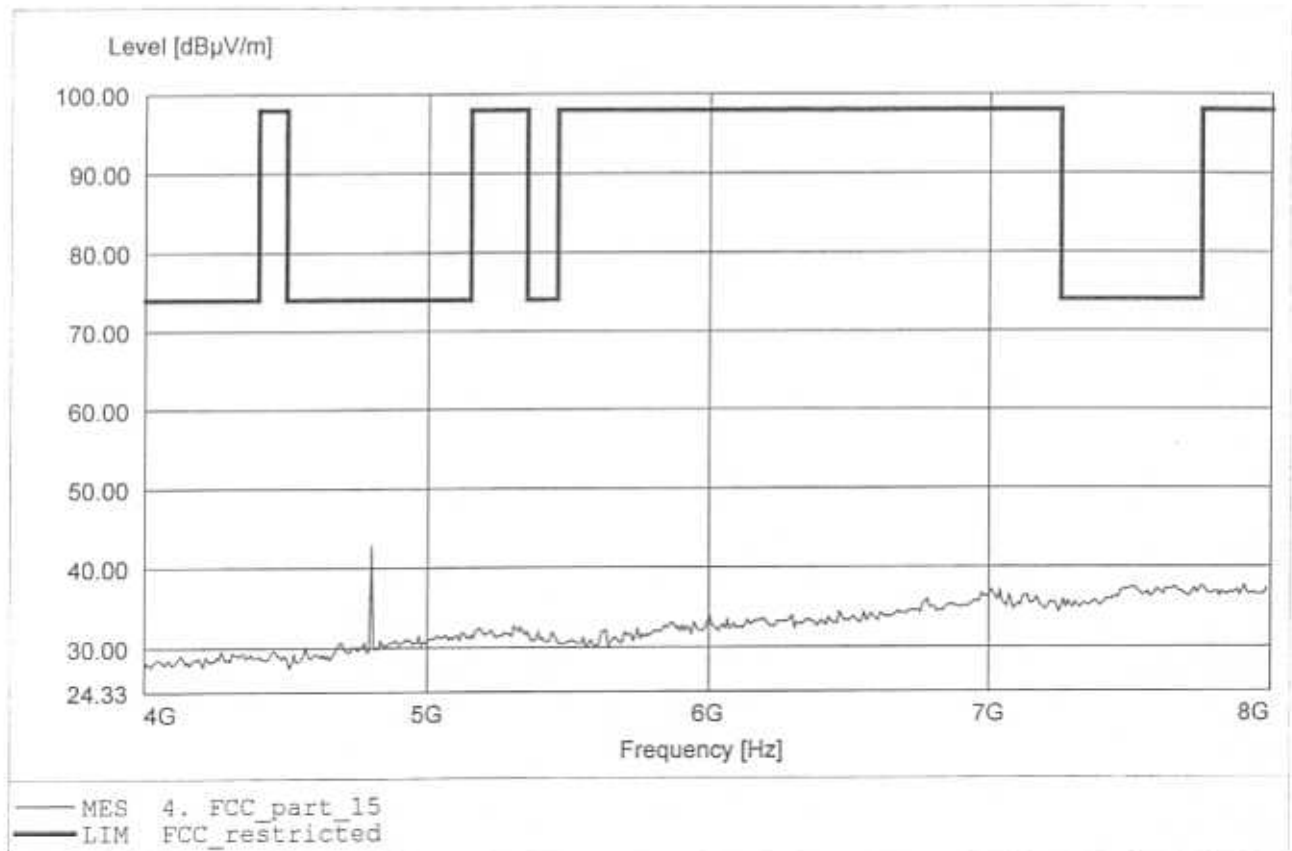
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
 Model: UGP22
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, Limit 20 dB up peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
 Comment 2: Freq: 2.400GHz, Emax: 68.99dBμV/m, RBW: 1MHz



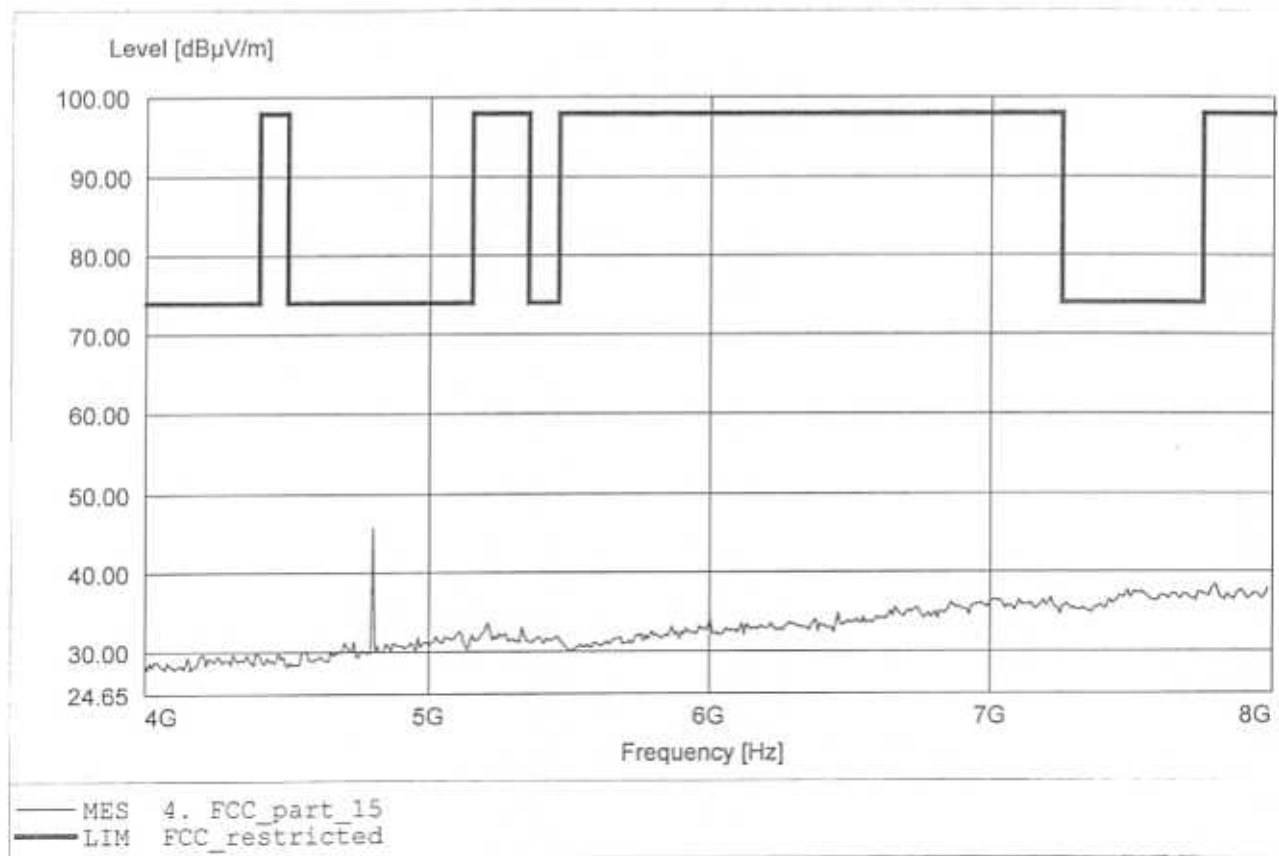
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 42.84dBμV/m, RBW: 1MHz



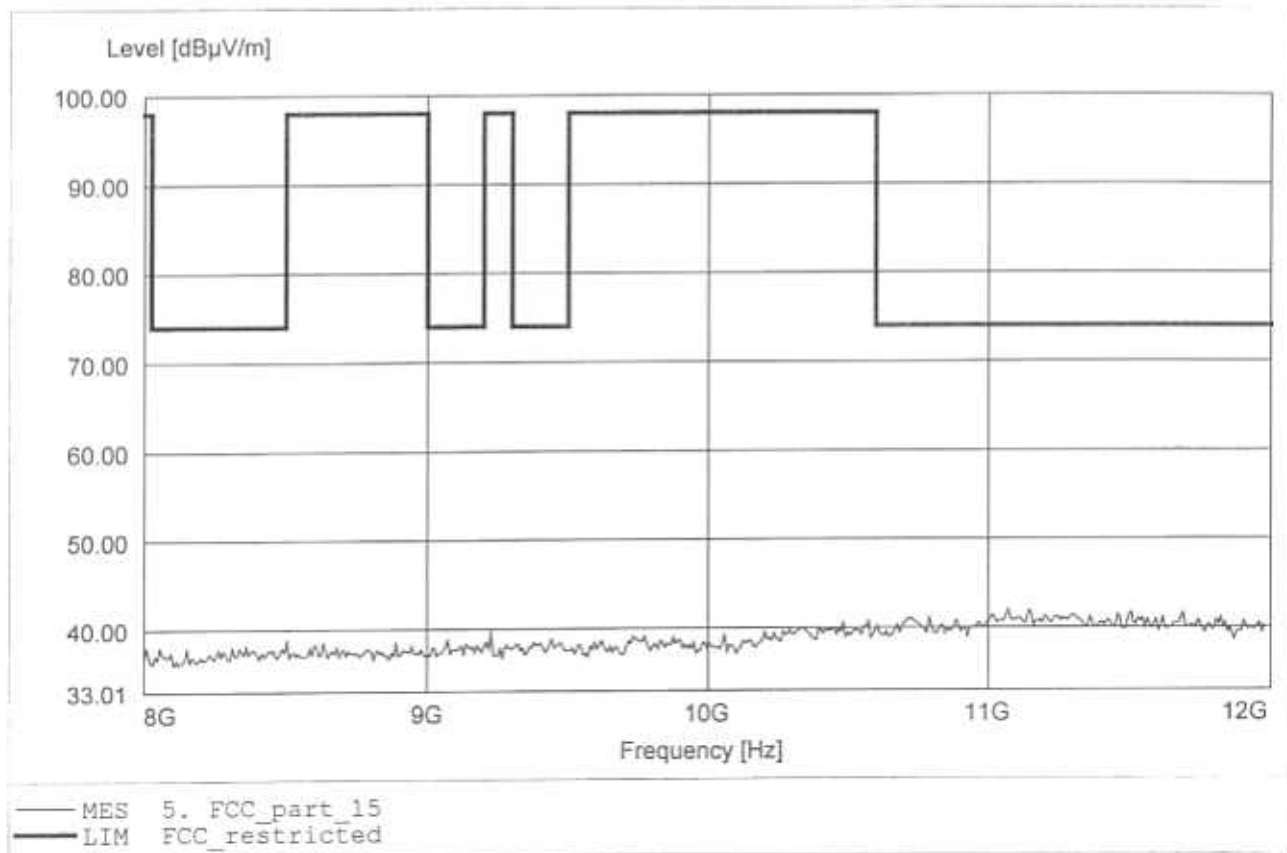
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 45.79dBμV/m, RBW: 1MHz



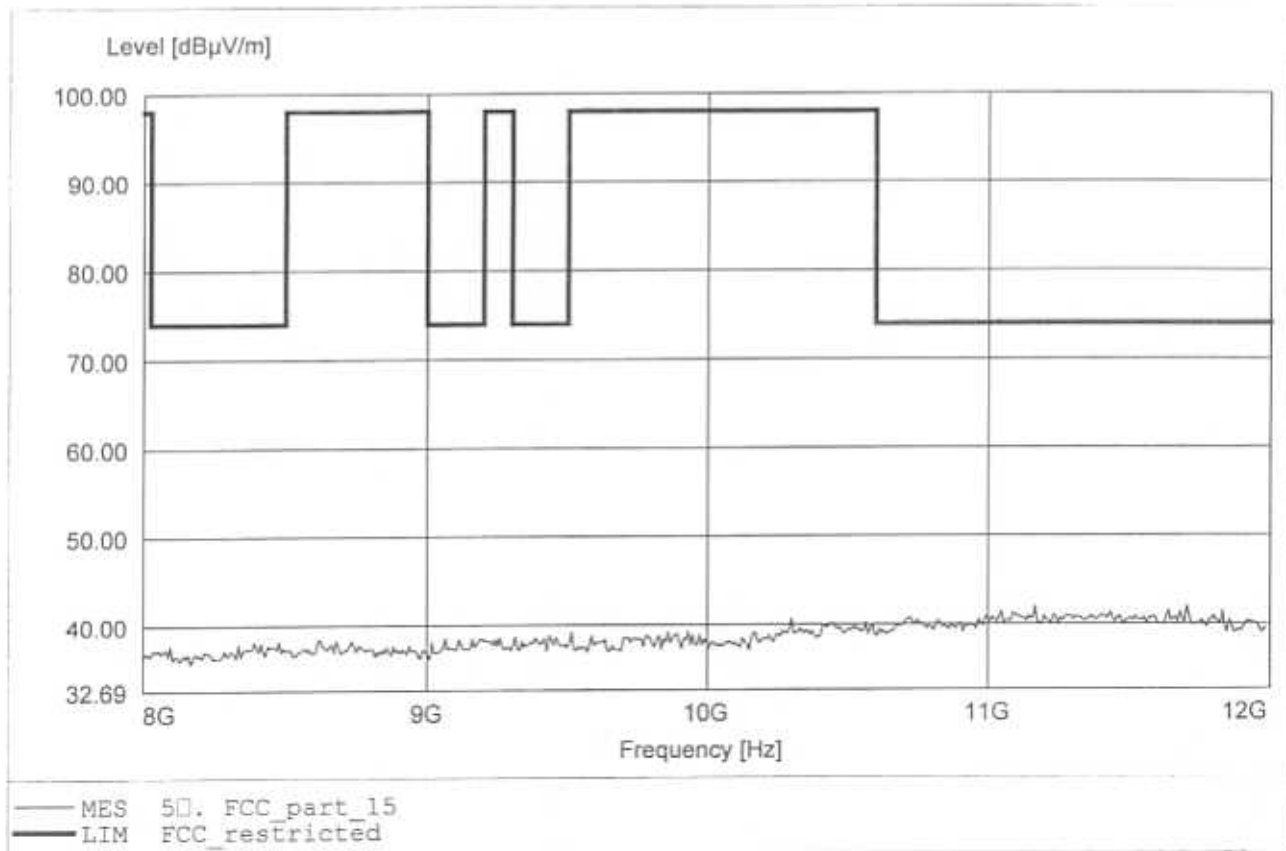
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.070GHz, Emax: 42.10dBμV/m, RBW: 1MHz



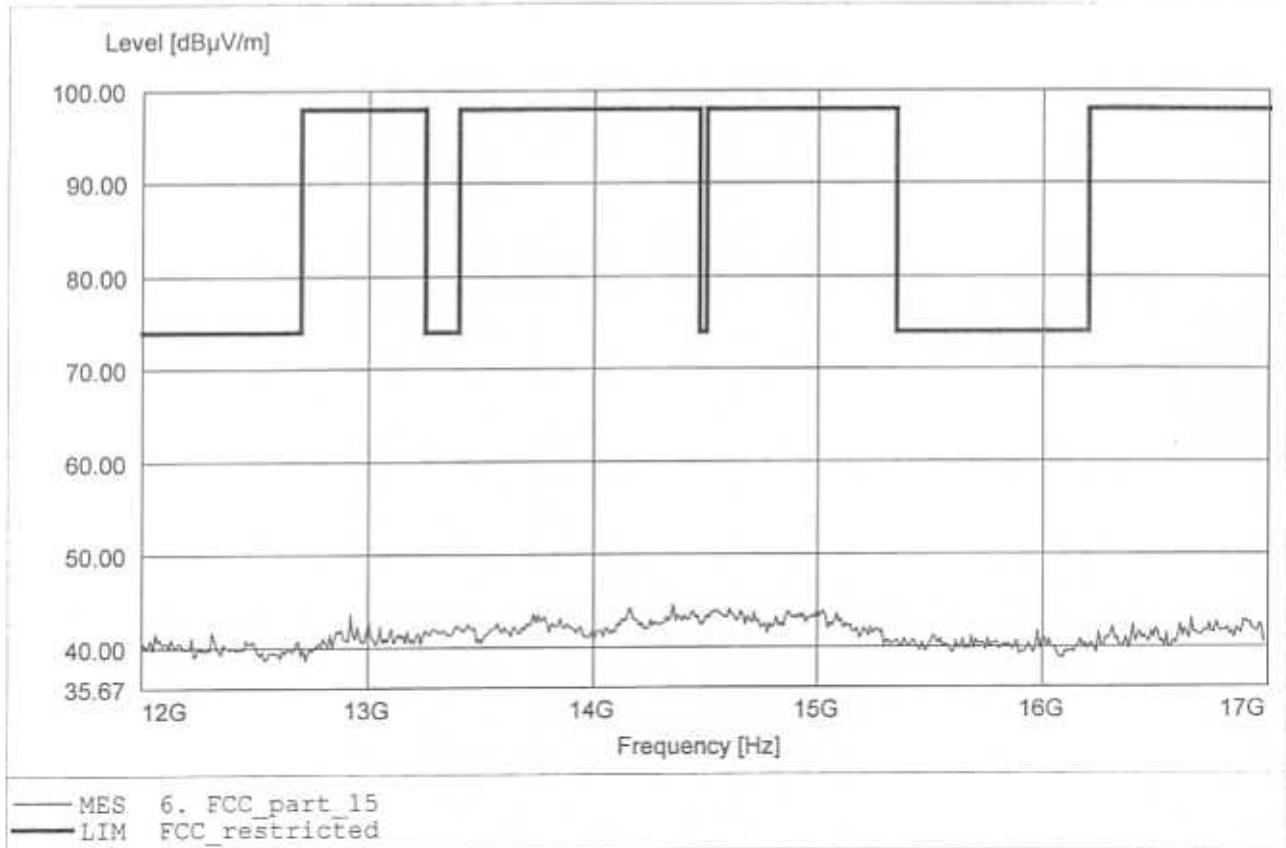
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.166GHz, Emax: 42.04dBuV/m, RBW: 1MHz



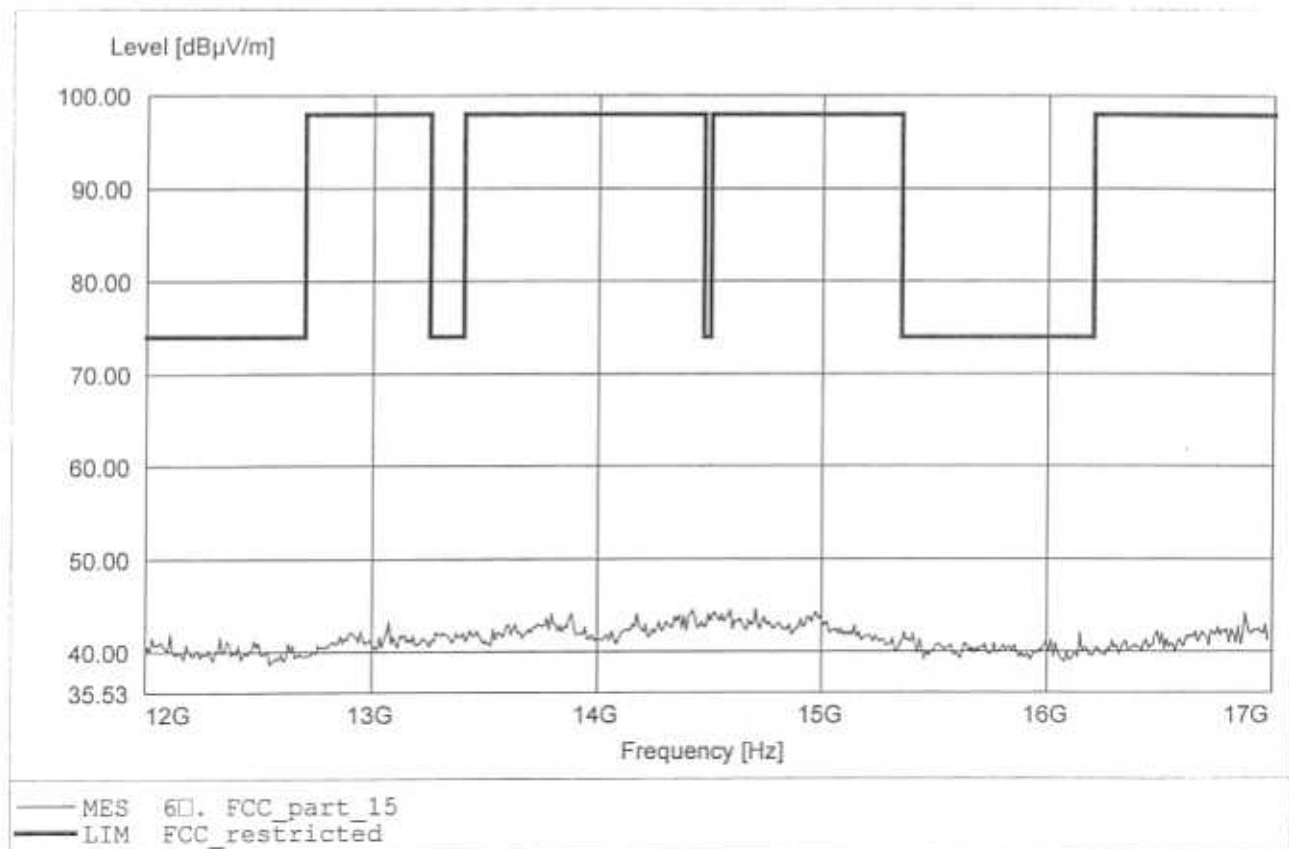
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 14.355GHz, Emax: 44.59dBμV/m, RBW: 1MHz



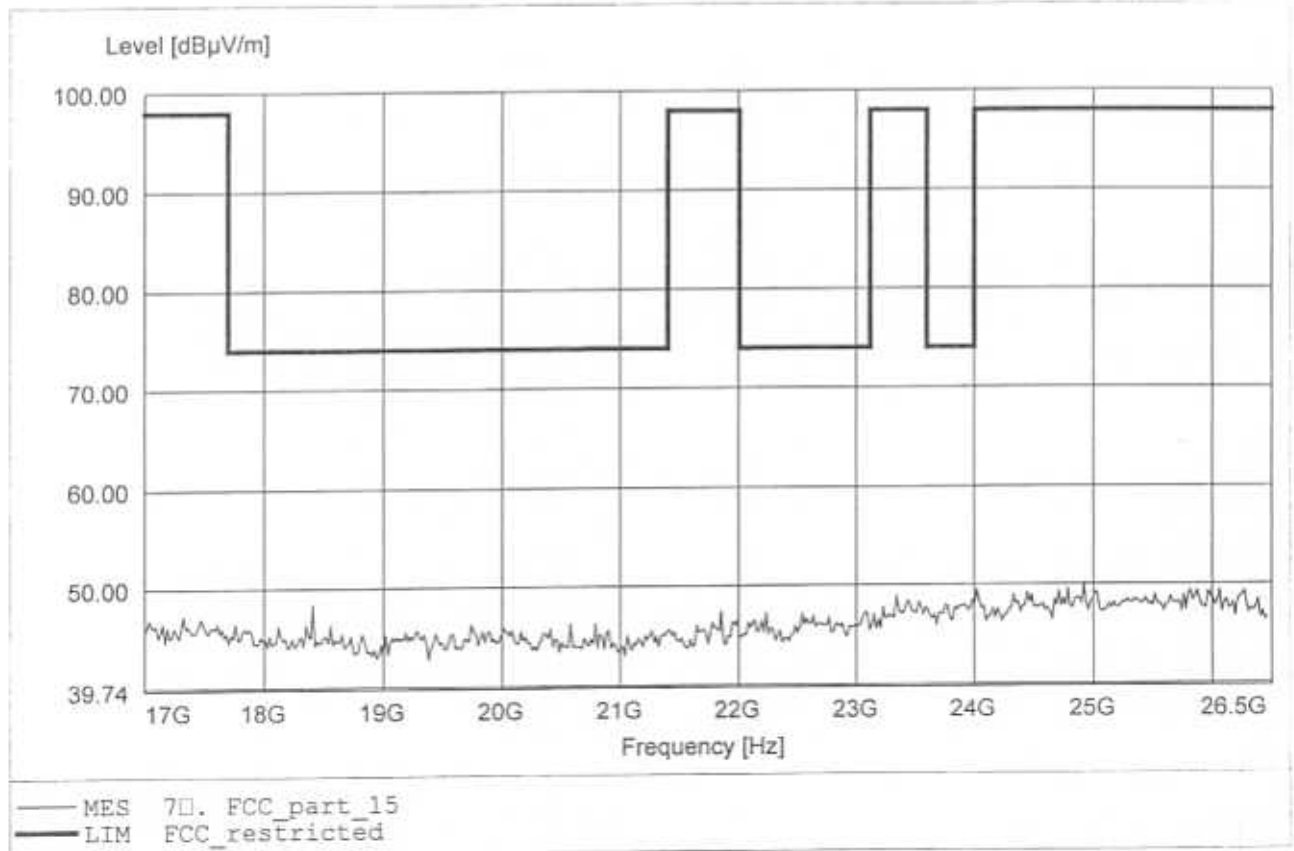
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
 Model: UGPZ2
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to S15247, Limit 20 dB up peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
 Comment 2: Freq: 14.705GHz, Emax: 44.61dBμV/m, RBW: 1MHz



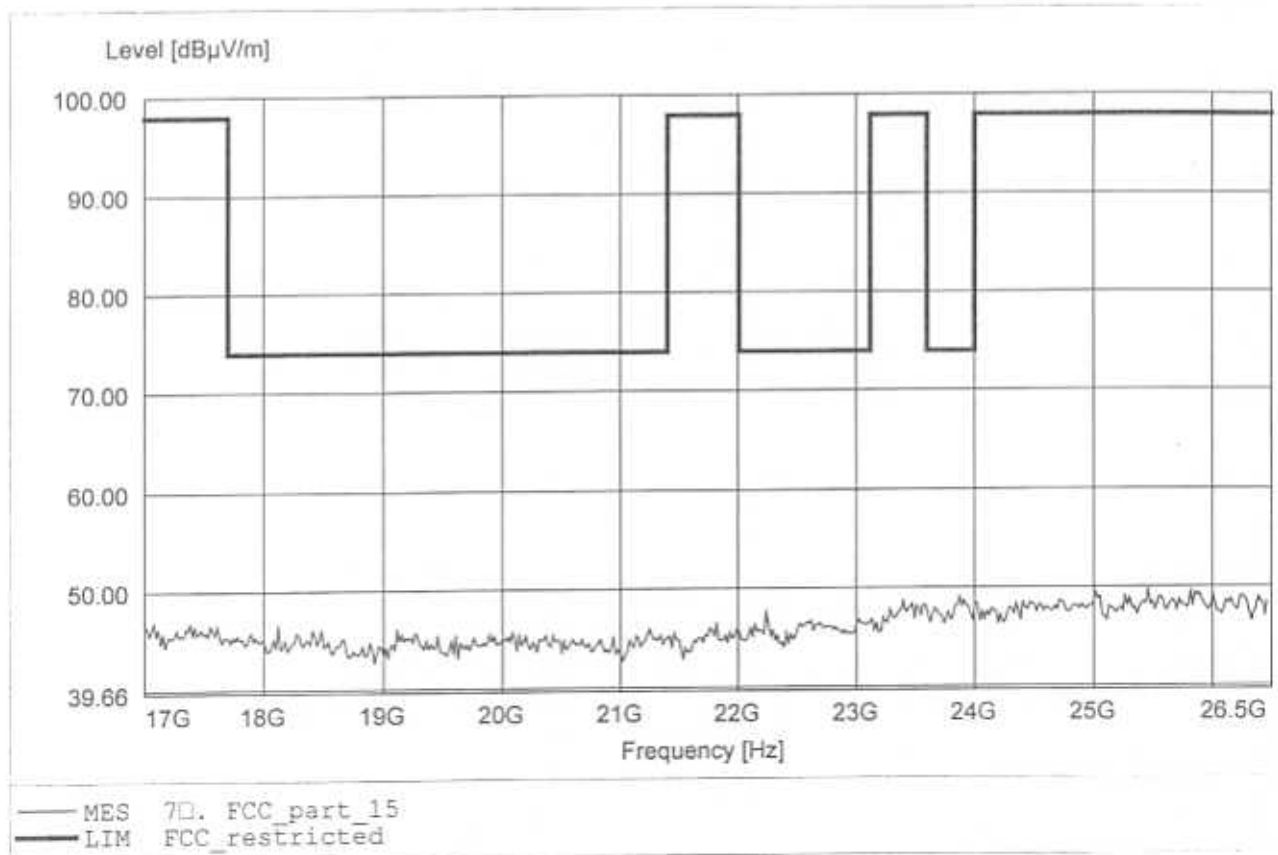
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.920GHz, Emax: 50.15dBμV/m, RBW: 1MHz



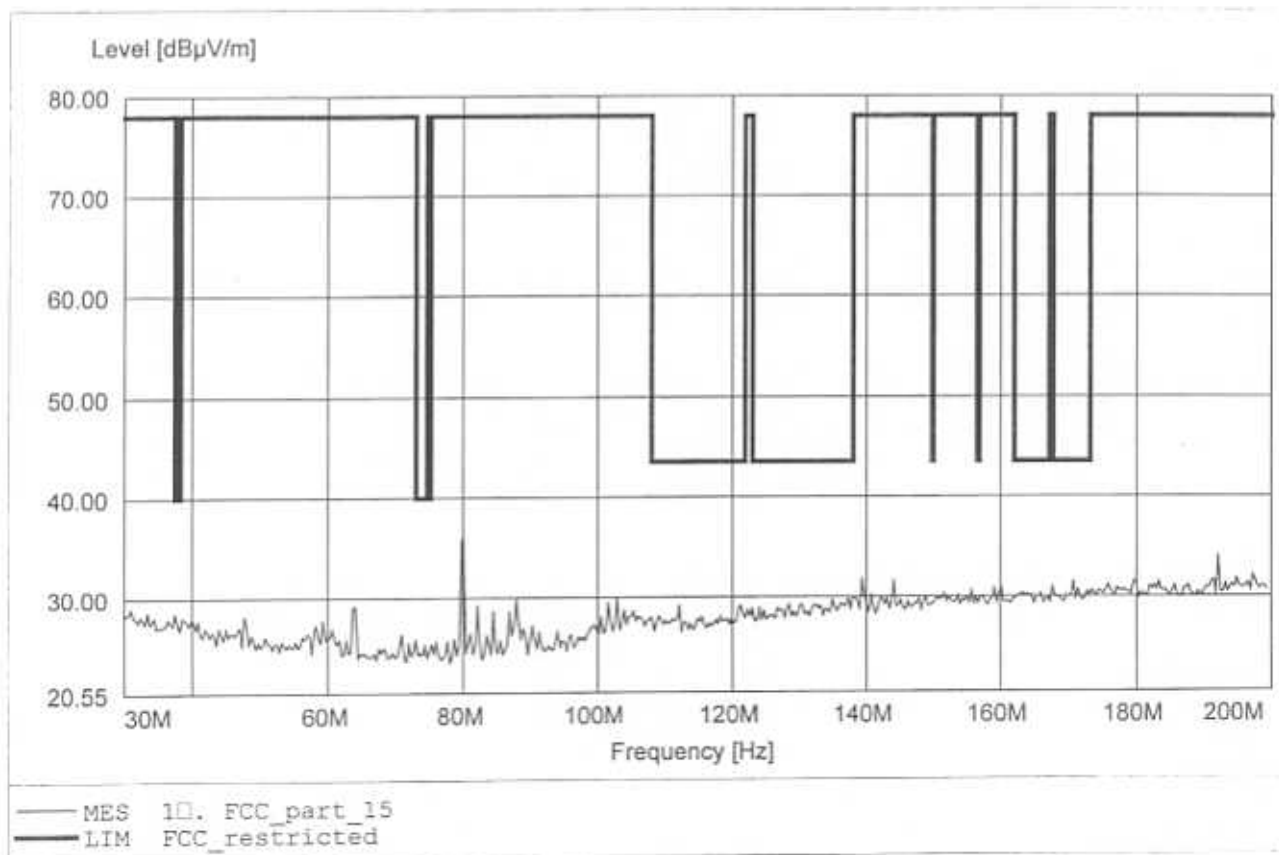
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2402 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.453GHz, Emax: 49.80dBμV/m, RBW: 1MHz



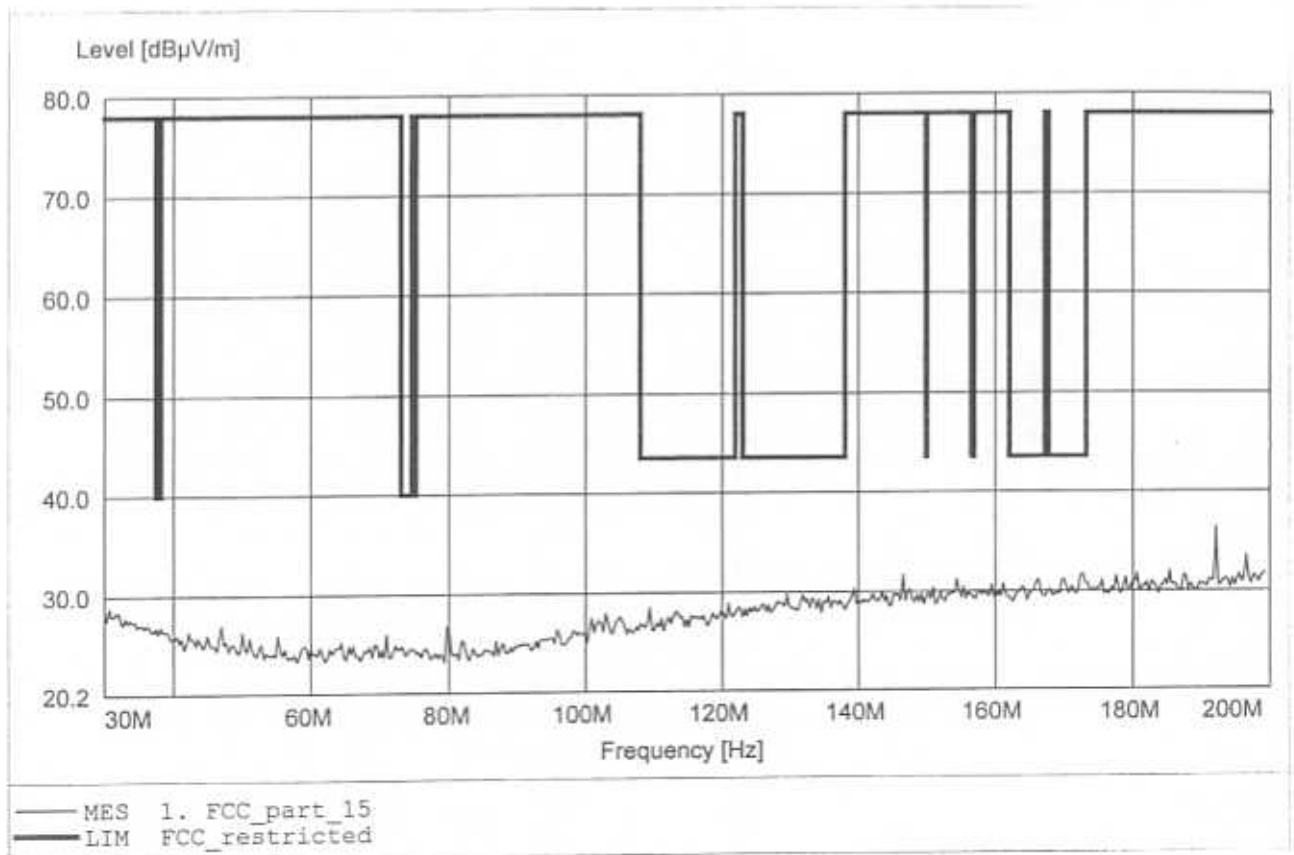
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 80.080MHz, Emax: 36.05dBuV/m, RBW: 100kHz



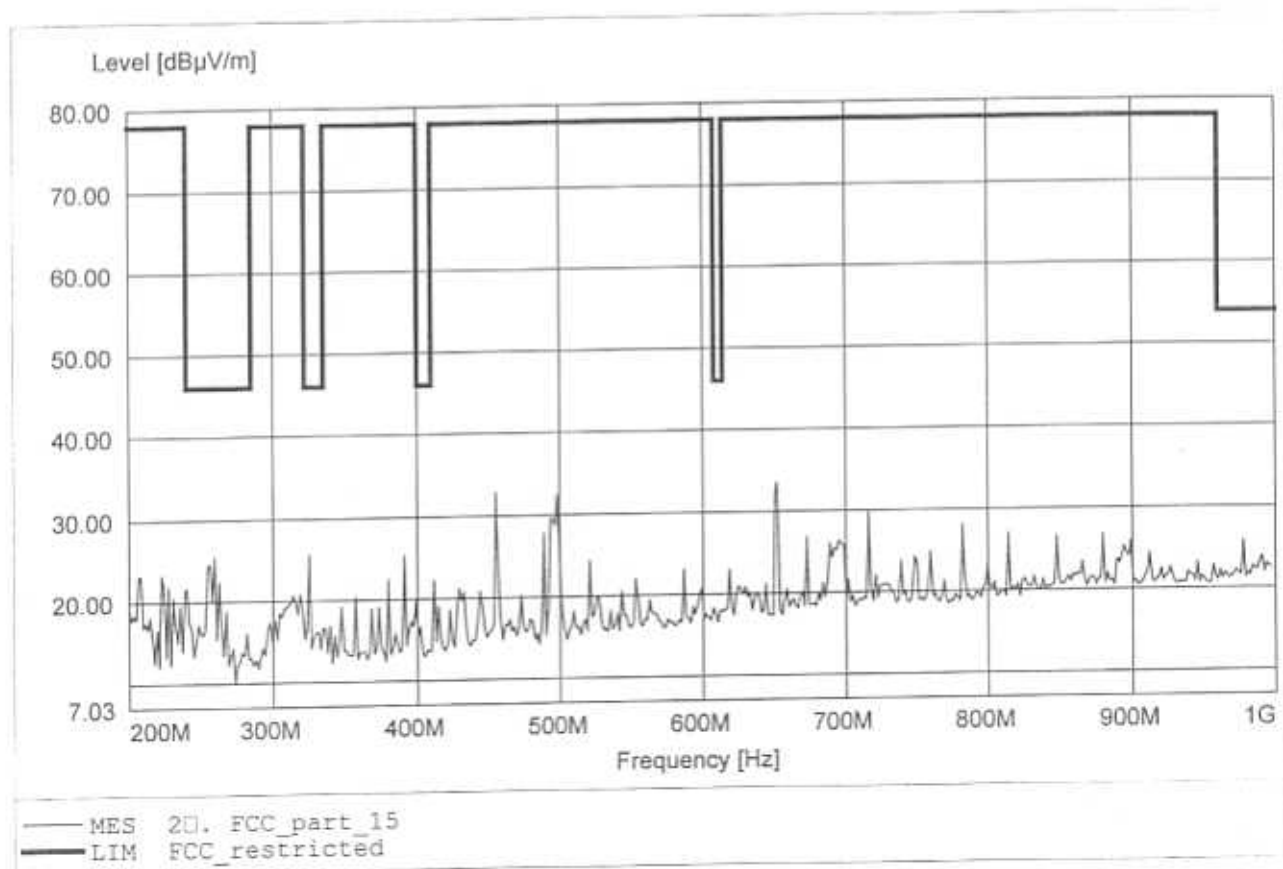
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Emax: 36.32dBµV/m, RBW: 100kHz



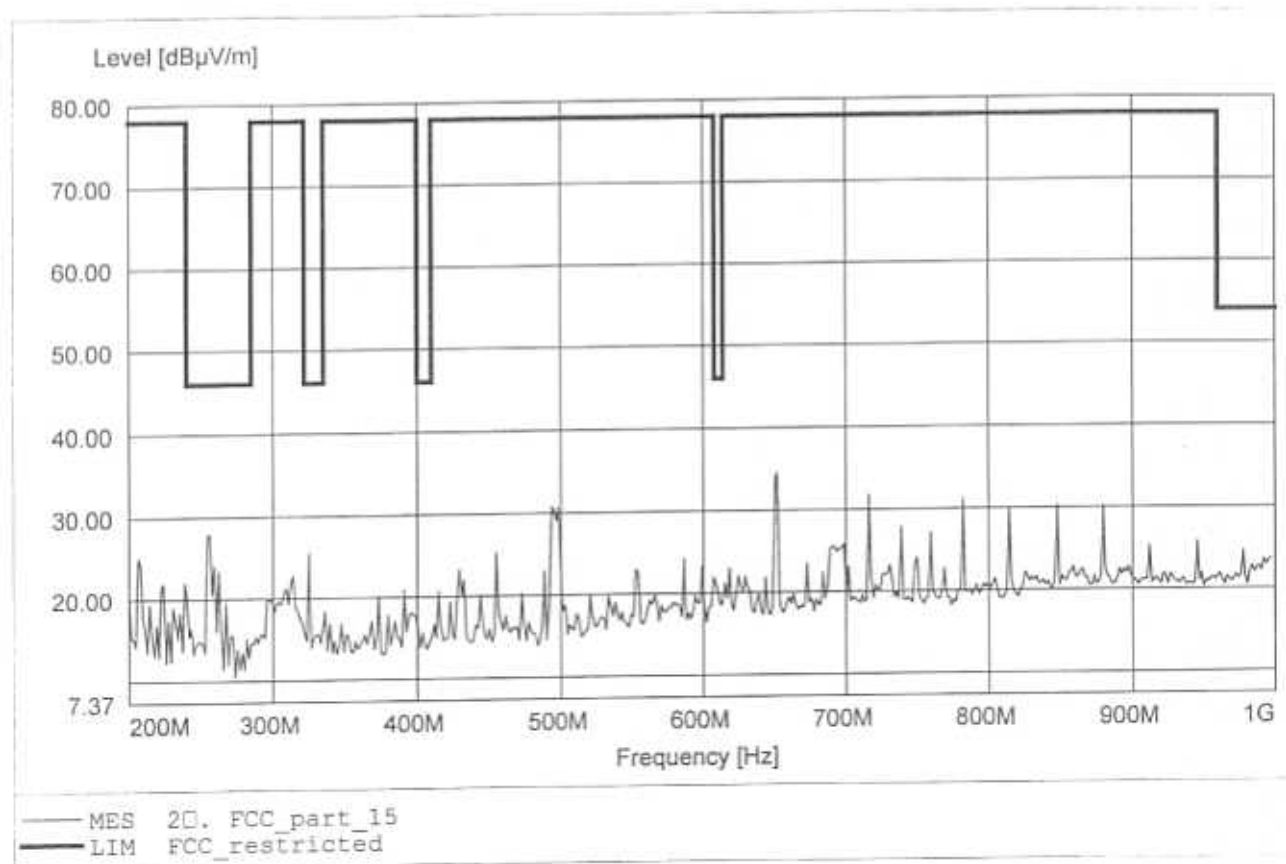
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom: 23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 652.104MHz, Emax: 33.54dBµV/m, RBW: 100kHz



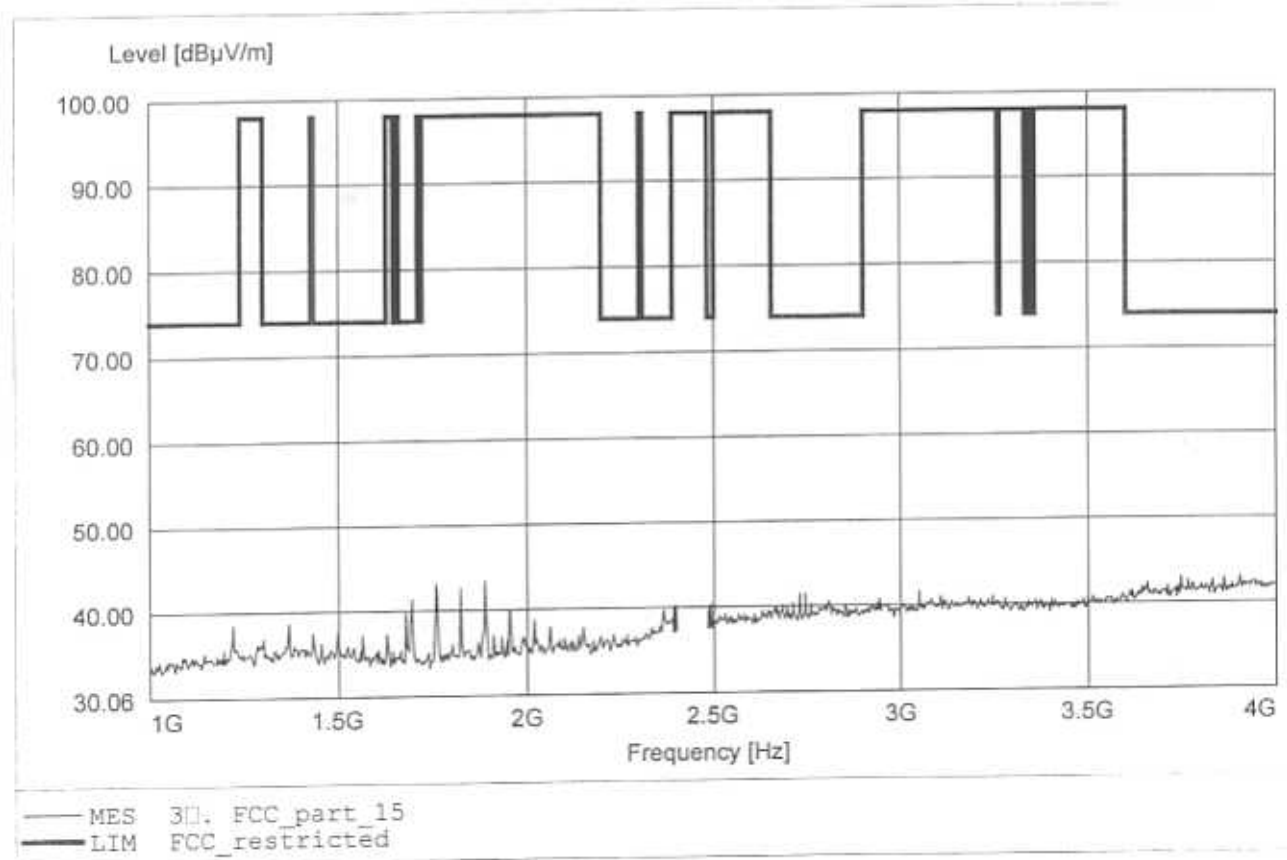
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 652.104MHz, Emax: 34.57dBµV/m, RBW: 100kHz



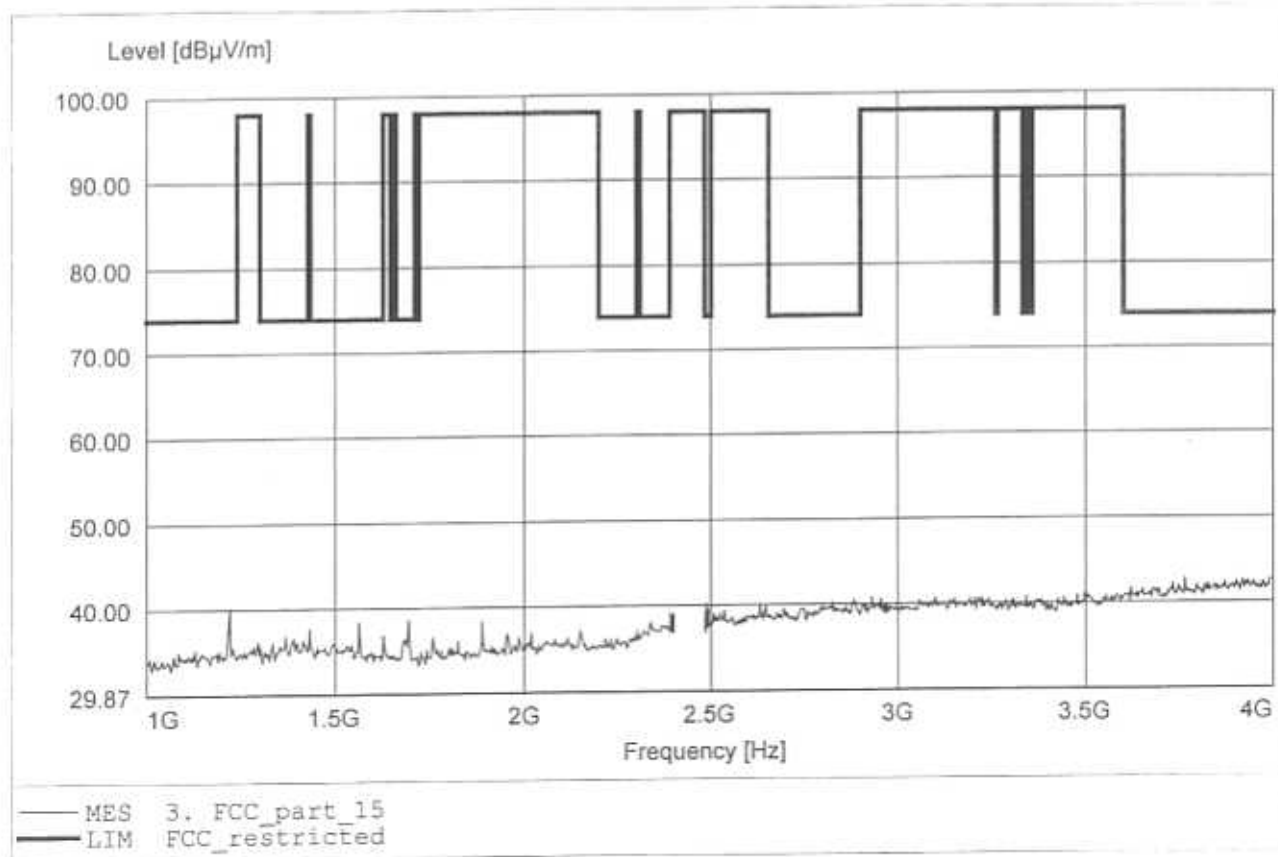
Spurious emissions Field Strength FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
 Model: UGP22
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to S15247, Limit 20 dB up peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
 Comment 2: Freq: 1.889GHz, Emax: 43.37dBuV/m, RBW: 1MHz



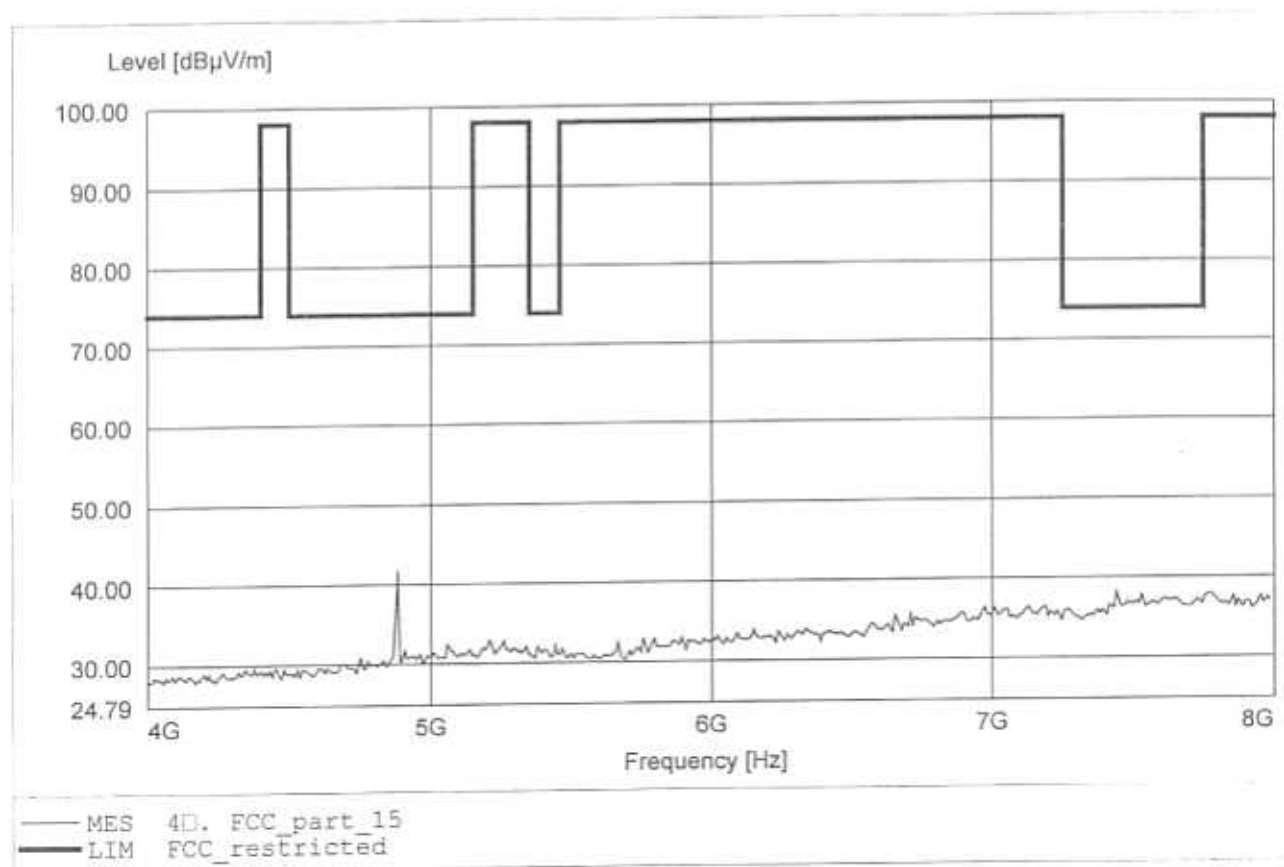
Spurious emissions Field Strength FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
 Model: UGP22
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to S15247, Limit 20 dB up peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
 Comment 2: Freq: 3.765GHz, Emax: 42.78dBuV/m, RBW: 1MHz



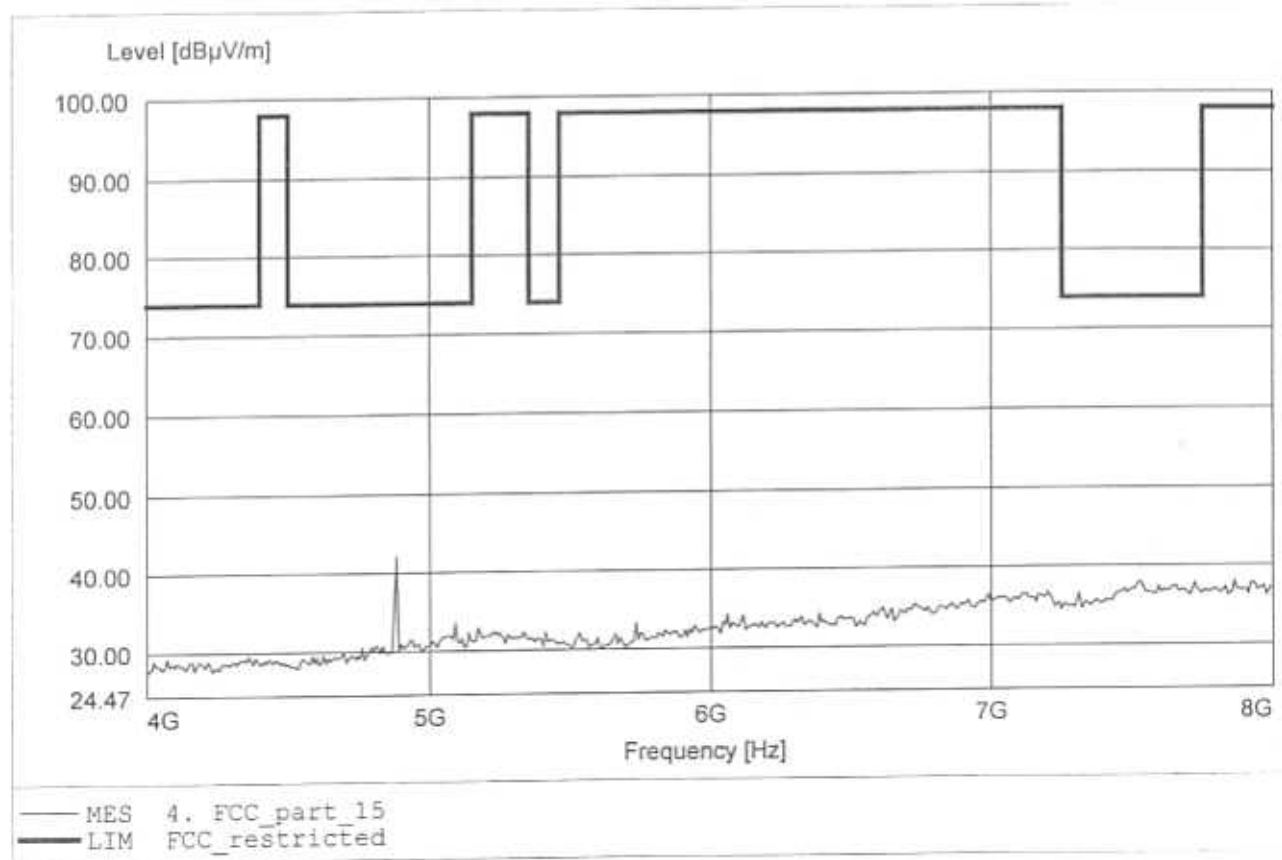
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 41.66dBuV/m, RBW: 1MHz



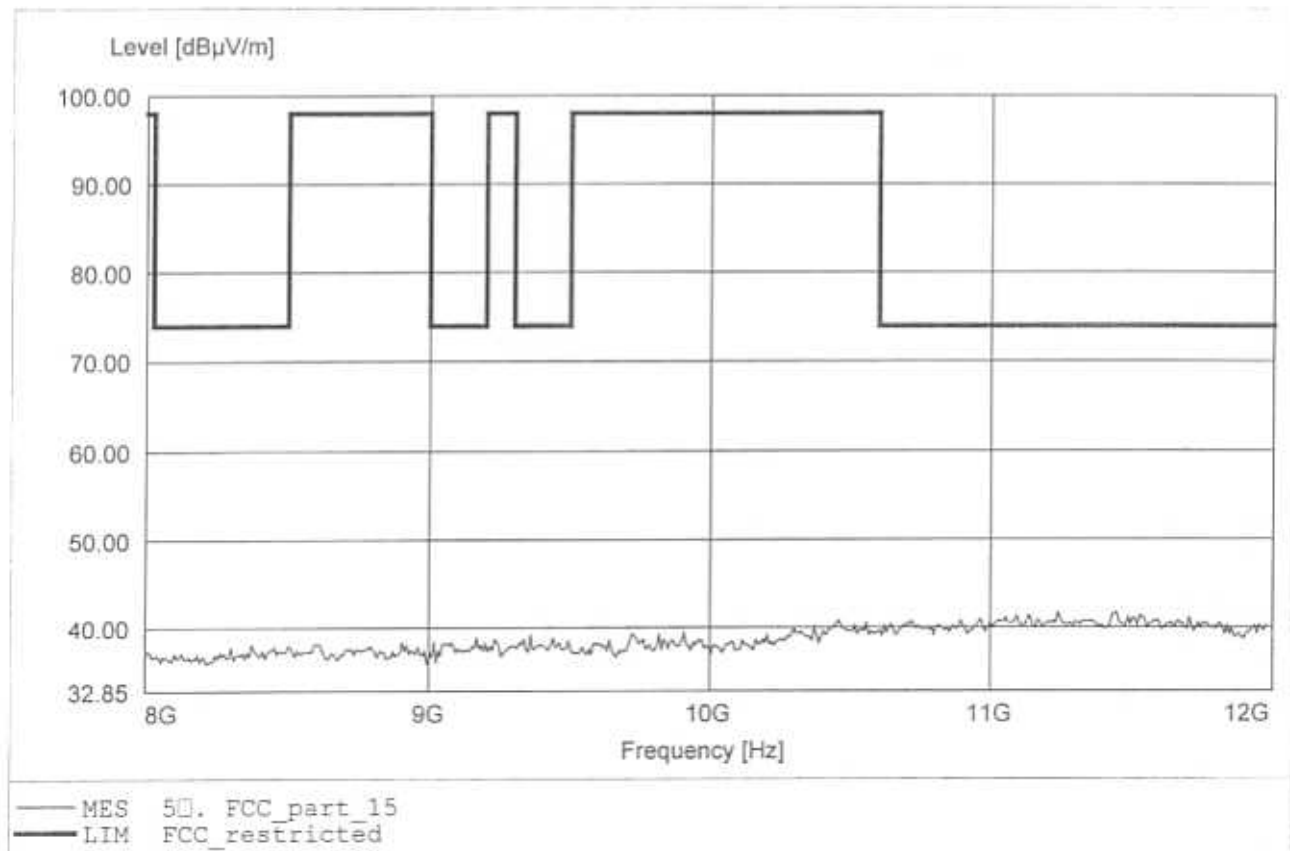
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 42.19dBuV/m, RBW: 1MHz



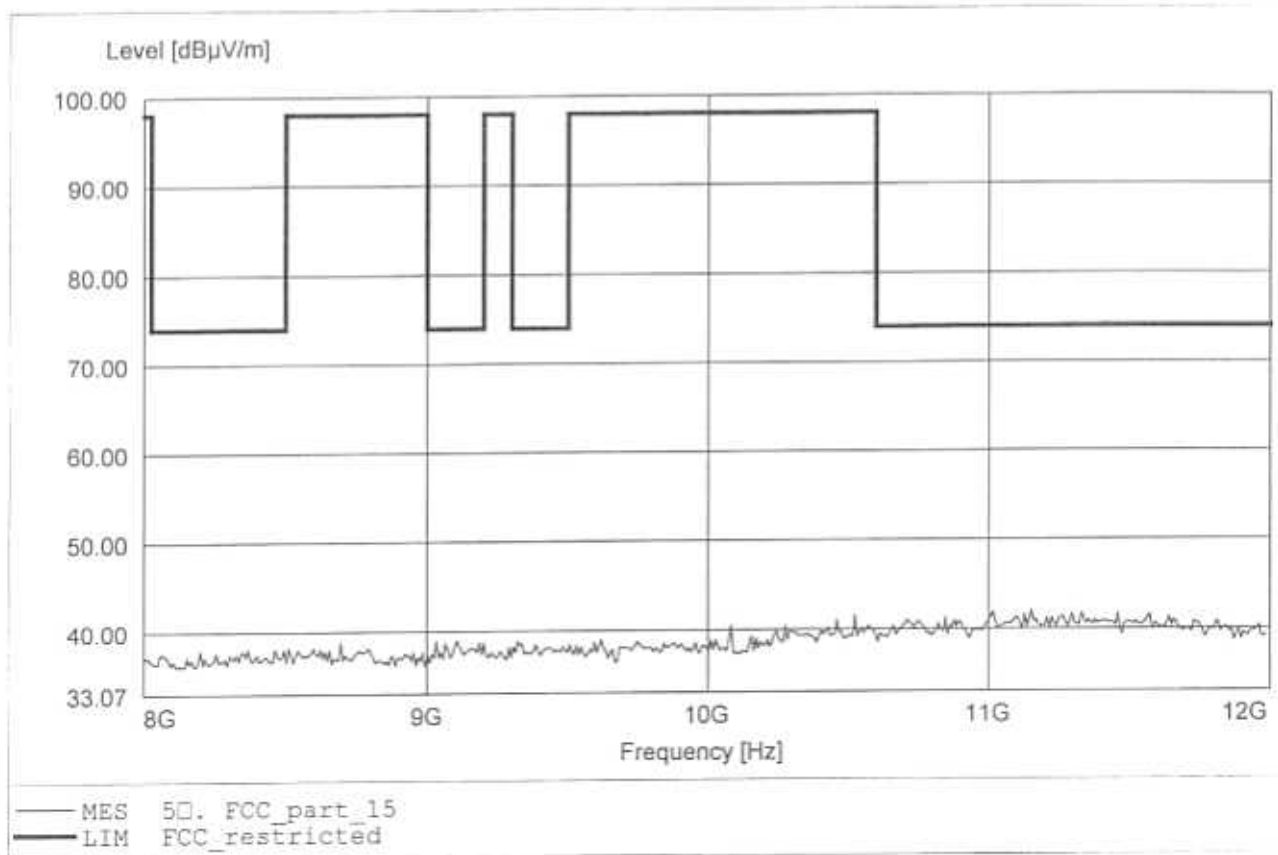
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.238GHz, Emax: 41.77dBµV/m, RBW: 1MHz



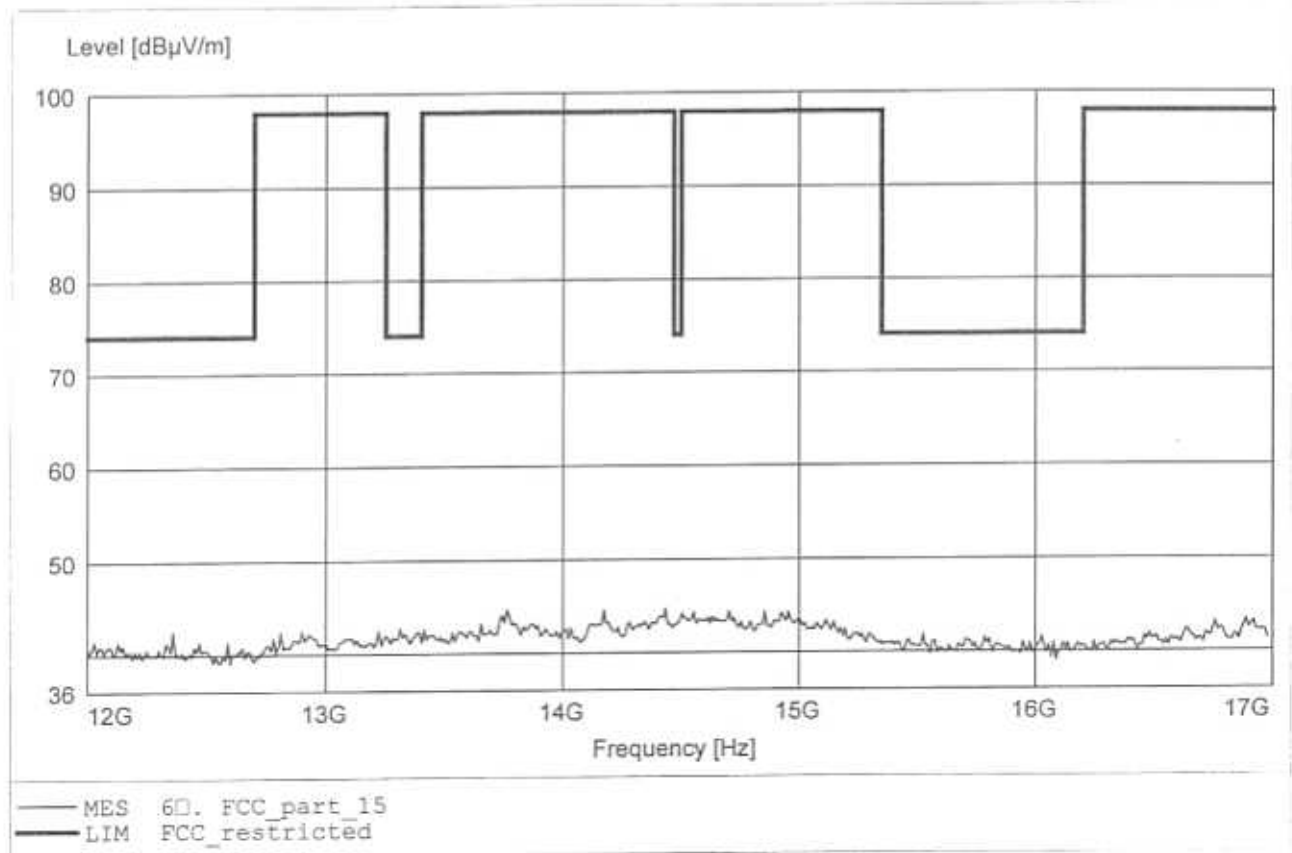
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.150GHz, Emax: 42.04dBµV/m, RBW: 1MHz



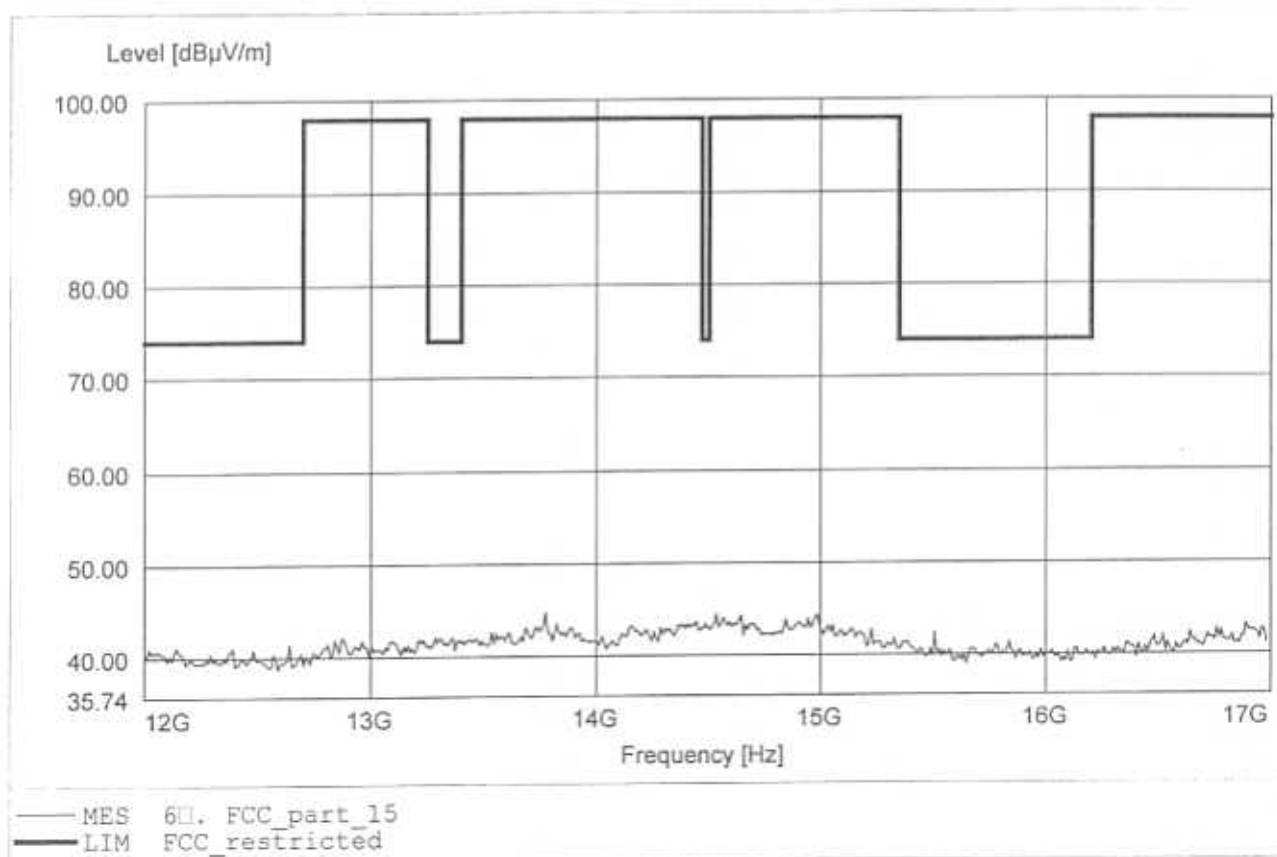
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 14.435GHz, Emax: 44.79dBμV/m, RBW: 1MHz



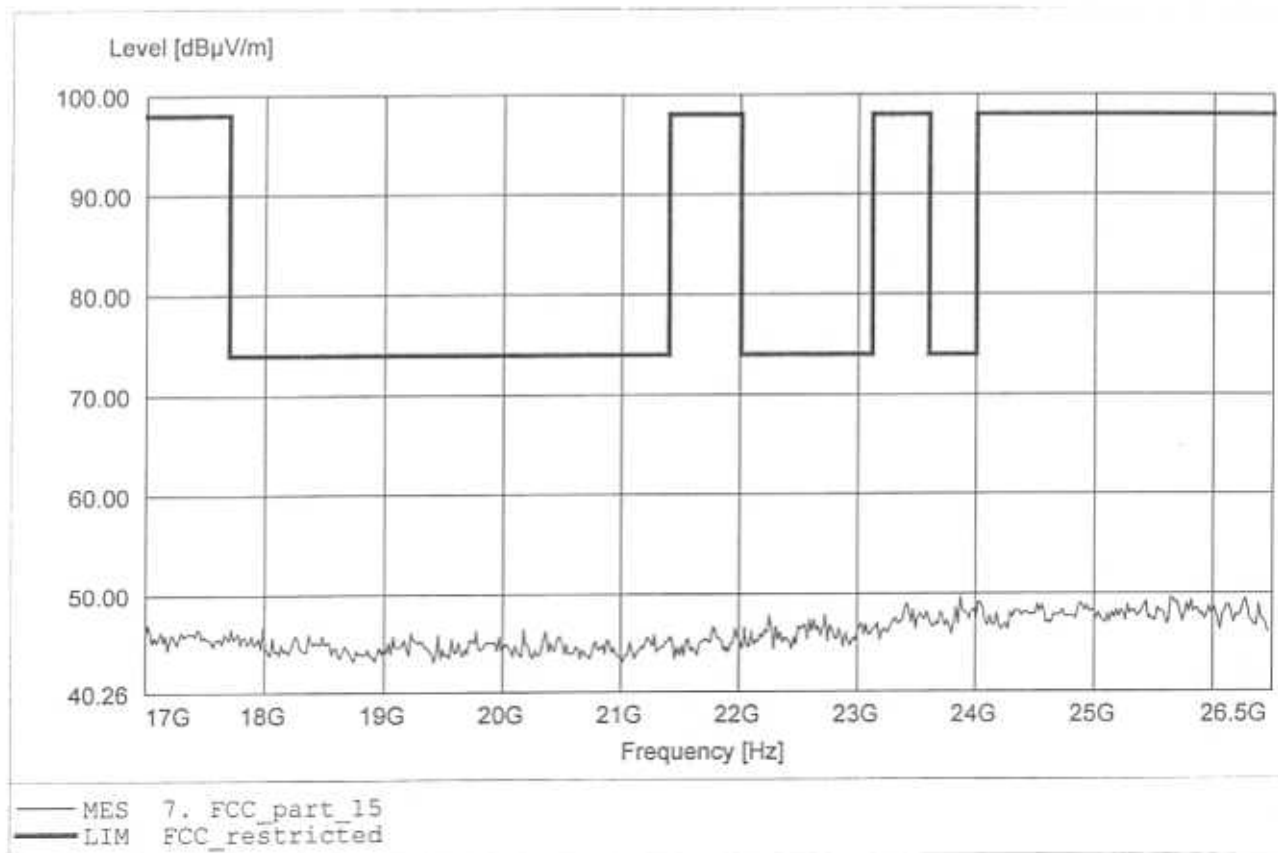
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 13.774GHz, Emax: 44.76dBμV/m, RBW: 1MHz



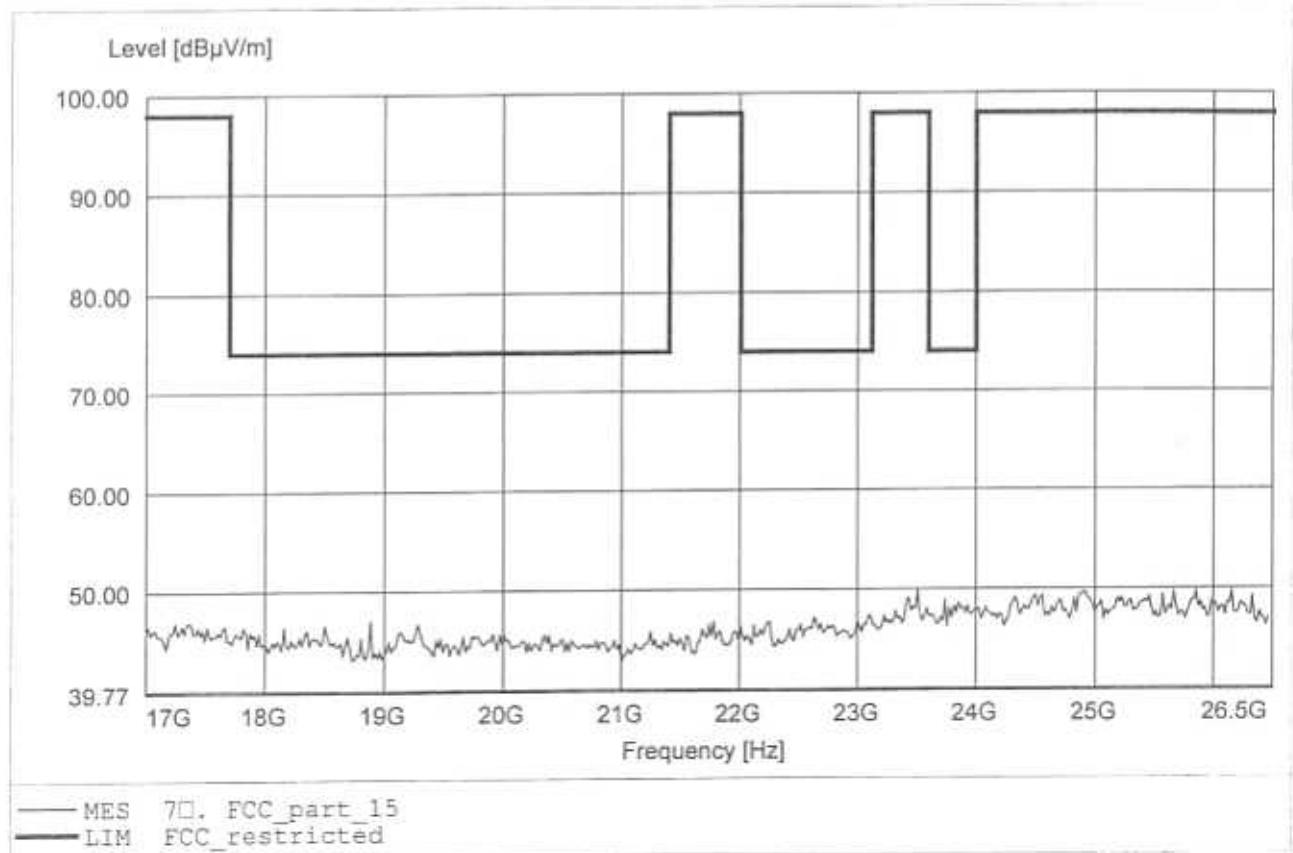
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.873GHz, Emax: 49.68dBμV/m, RBW: 1MHz



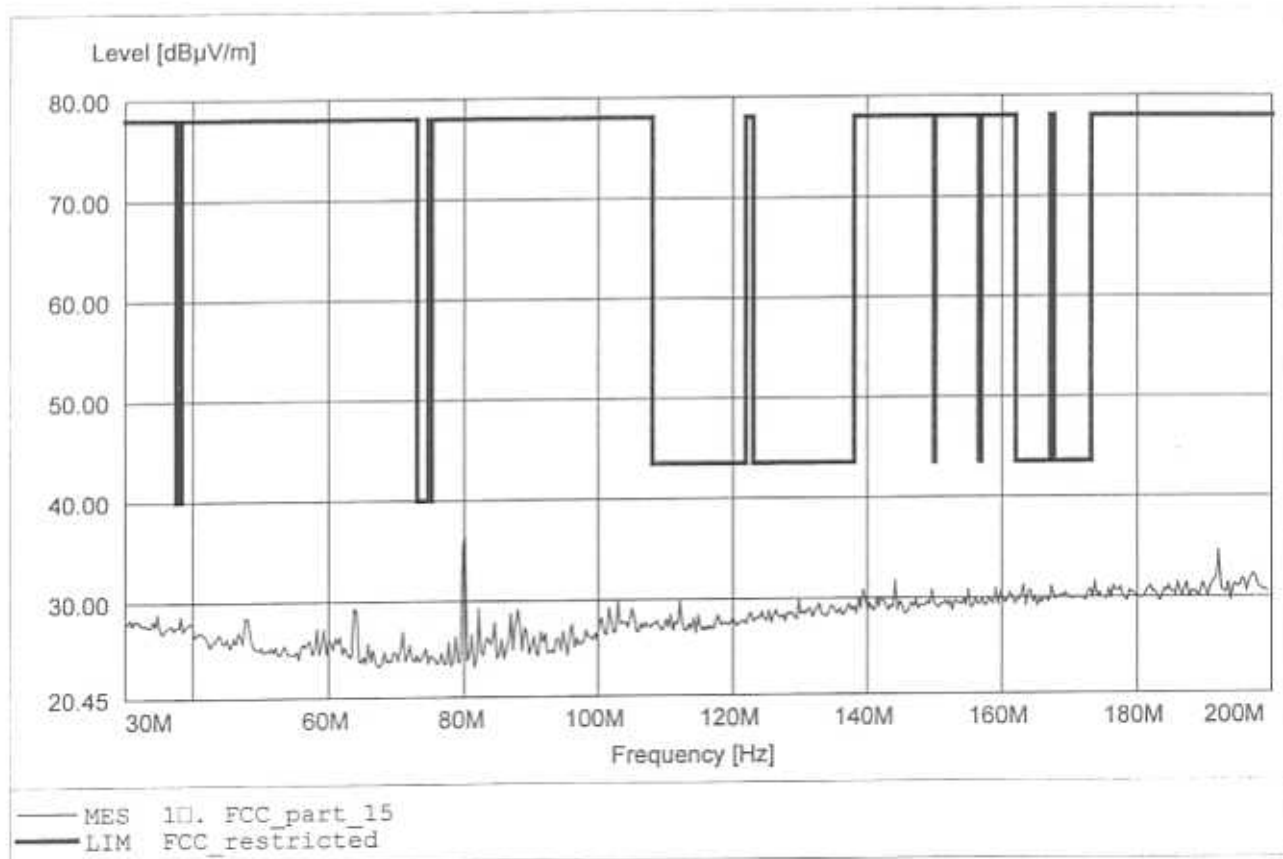
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2441 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.511GHz, Emax: 50.05dBμV/m, RBW: 1MHz



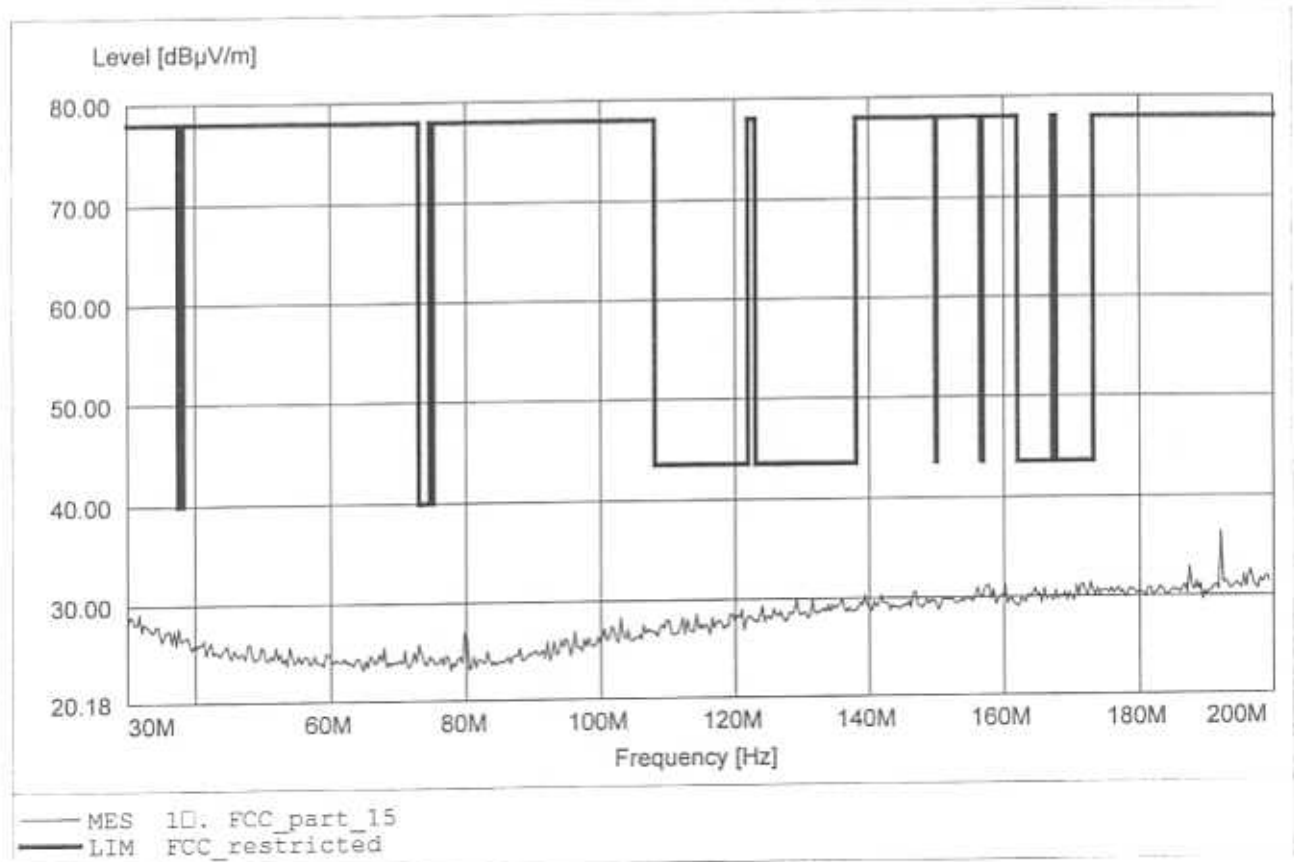
Spurious emissions Field Strength **FCC RULES PART 15, SUBPART C**

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
 Model: UGPZ2
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: HK 116
 Comment 2: Freq: 80.080MHz, Emax: 36.38dBµV/m, RBW: 100kHz



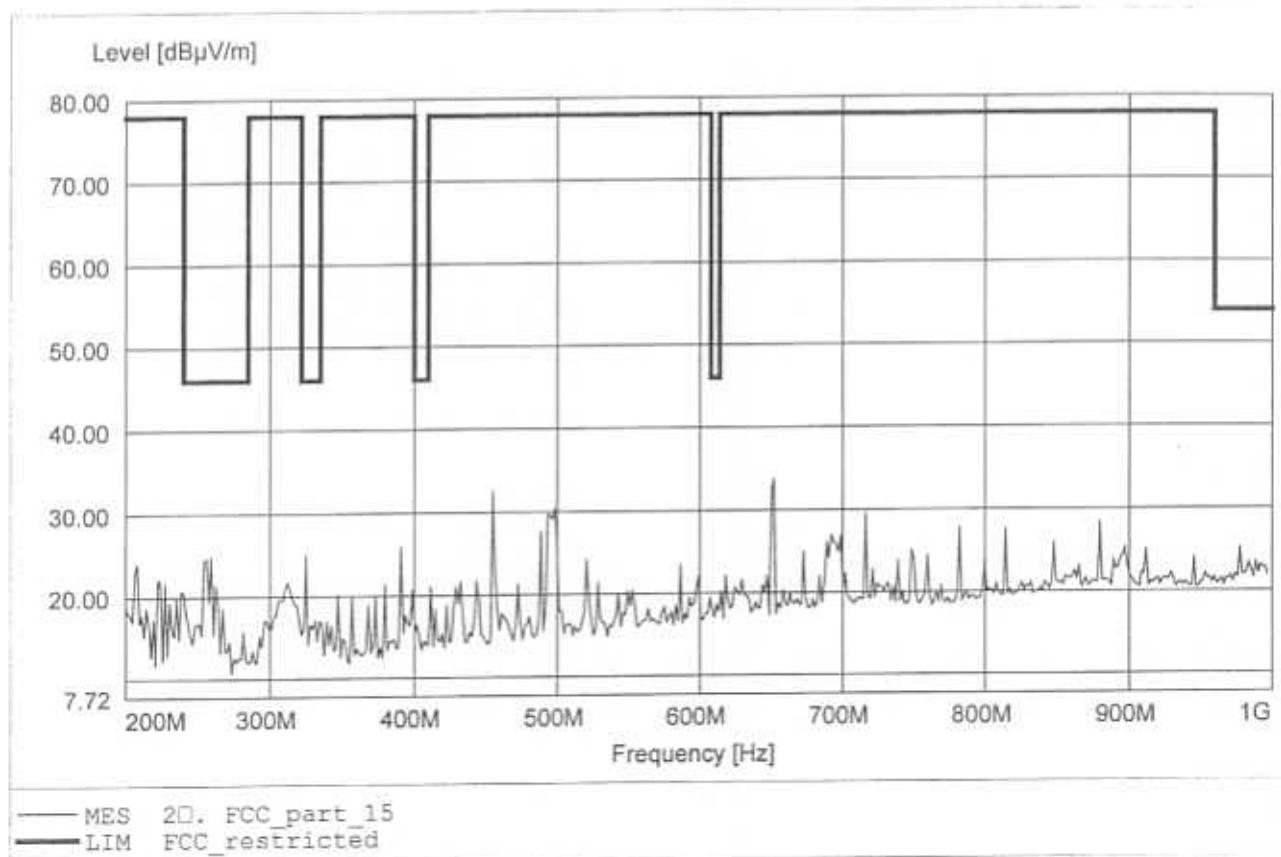
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Emax: 36.46dBµV/m, RBW: 100kHz



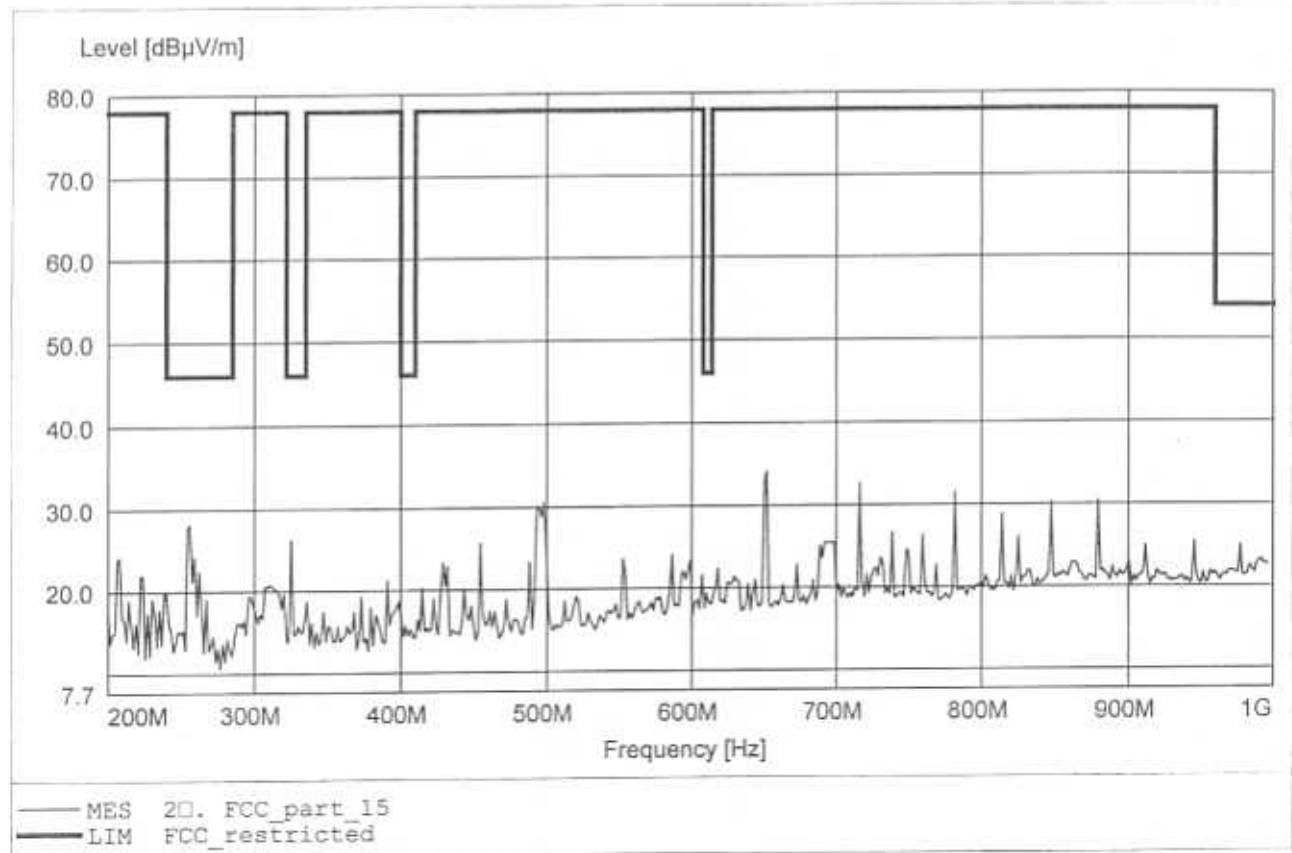
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
 Model: UGP22
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
 Comment 2: Freq: 652.104MHz, Emax: 33.87dBμV/m, RBW: 100kHz



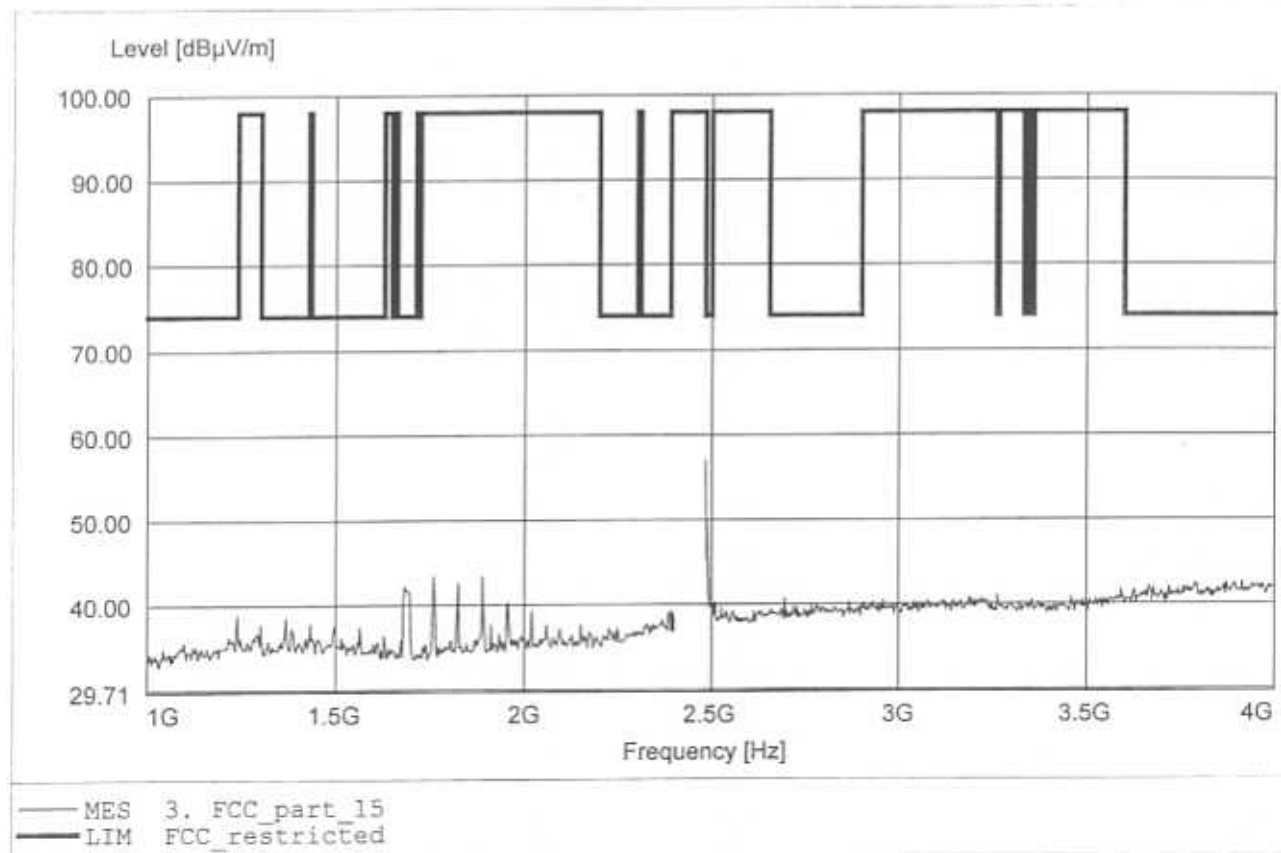
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 652.104MHz, Emax: 34.12dBµV/m, RBW: 100kHz



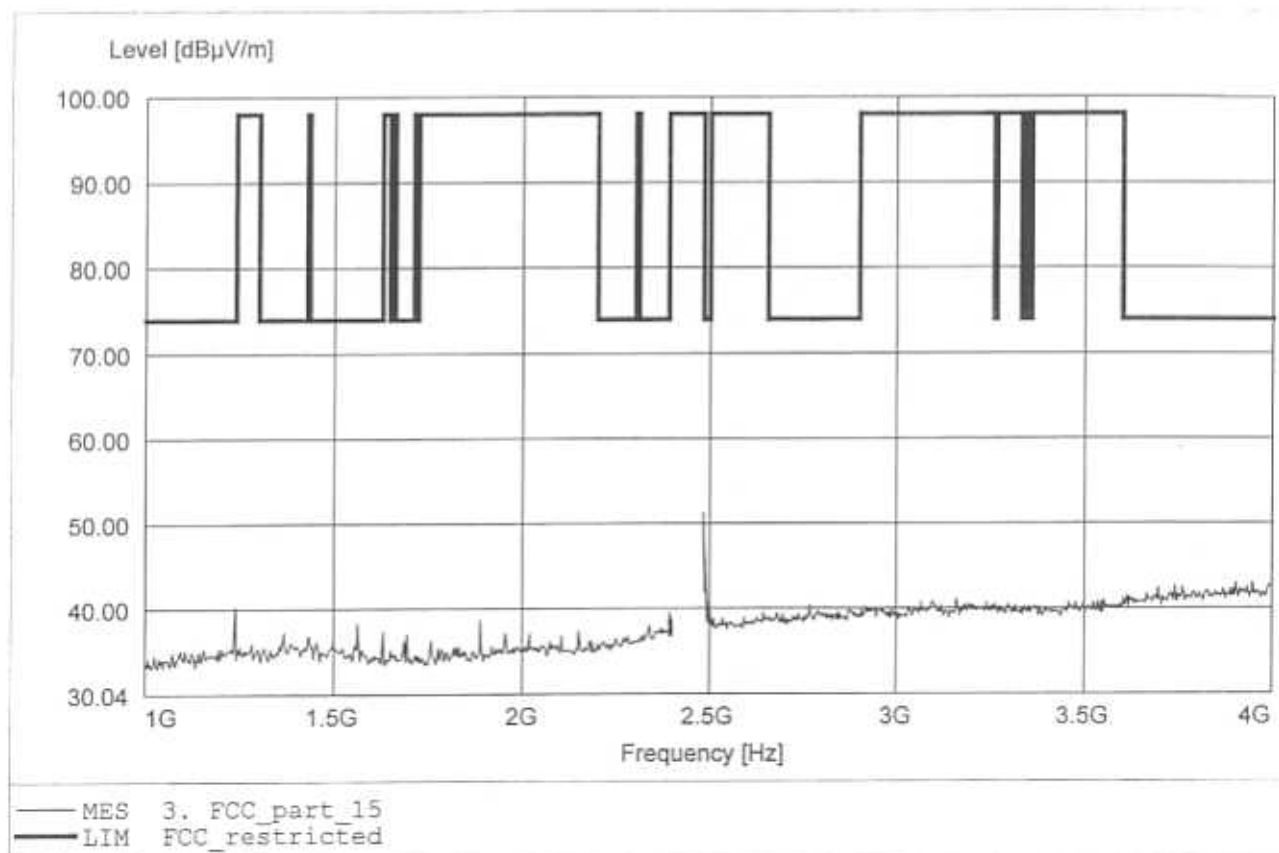
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 57.10dBμV/m, RBW: 1MHz



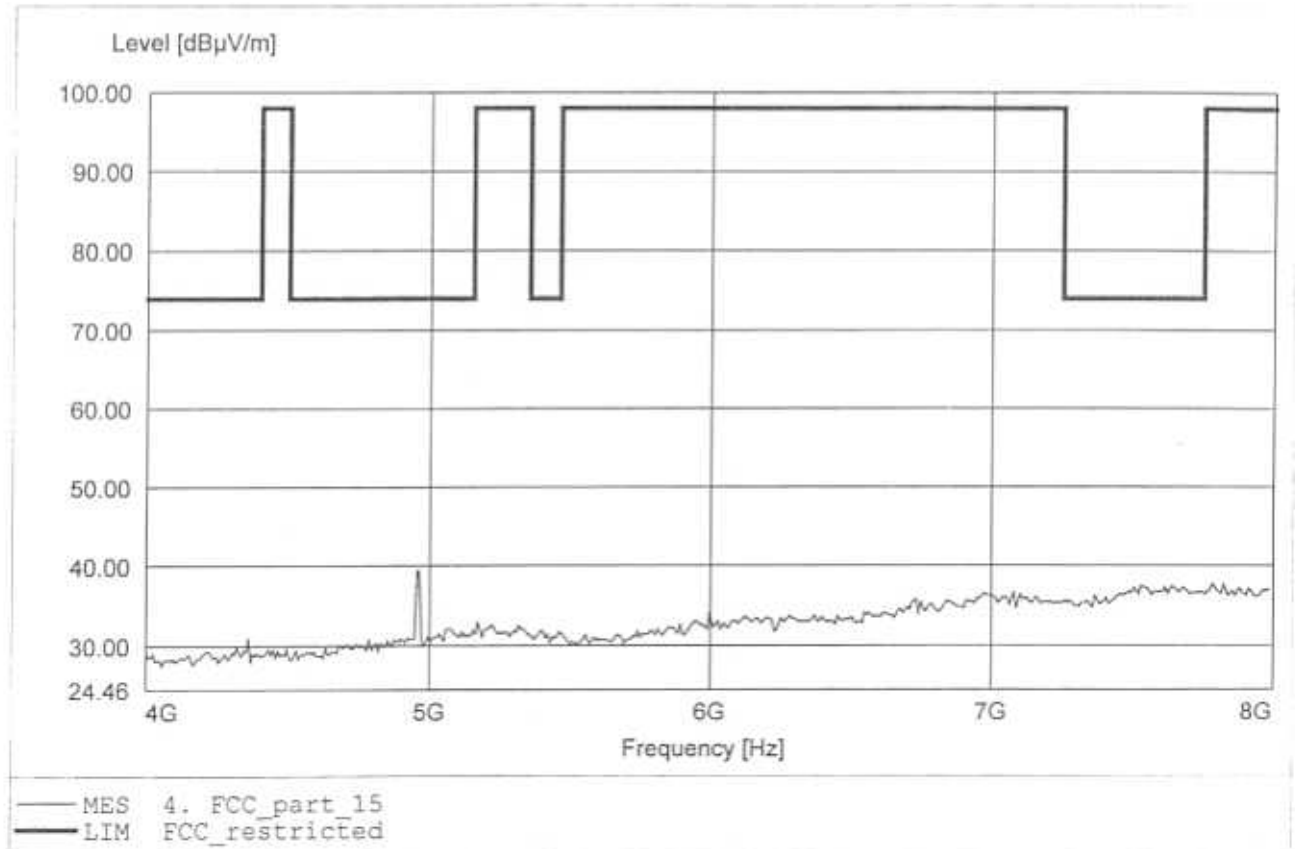
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 51.35dBuV/m, RBW: 1MHz



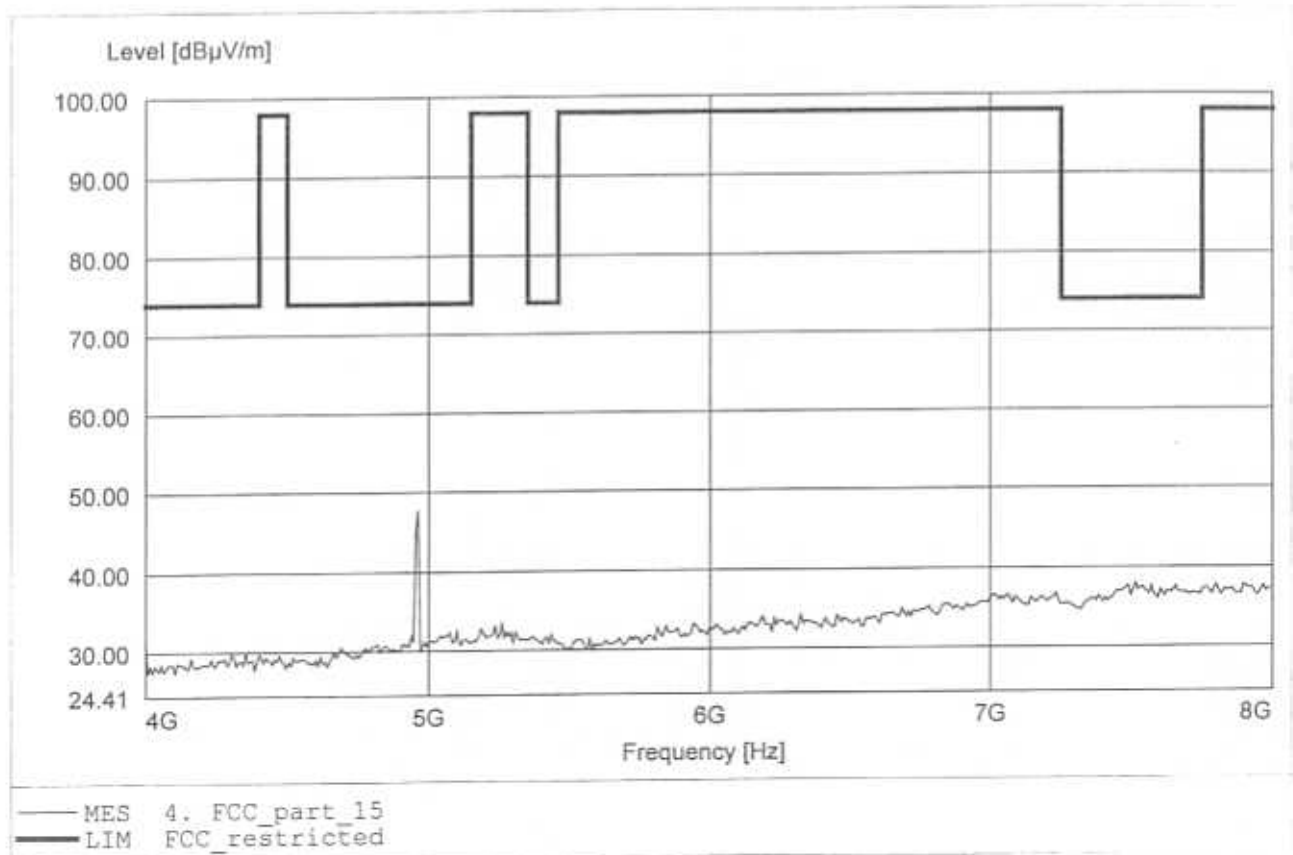
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 39.38dBµV/m, RBW: 1MHz



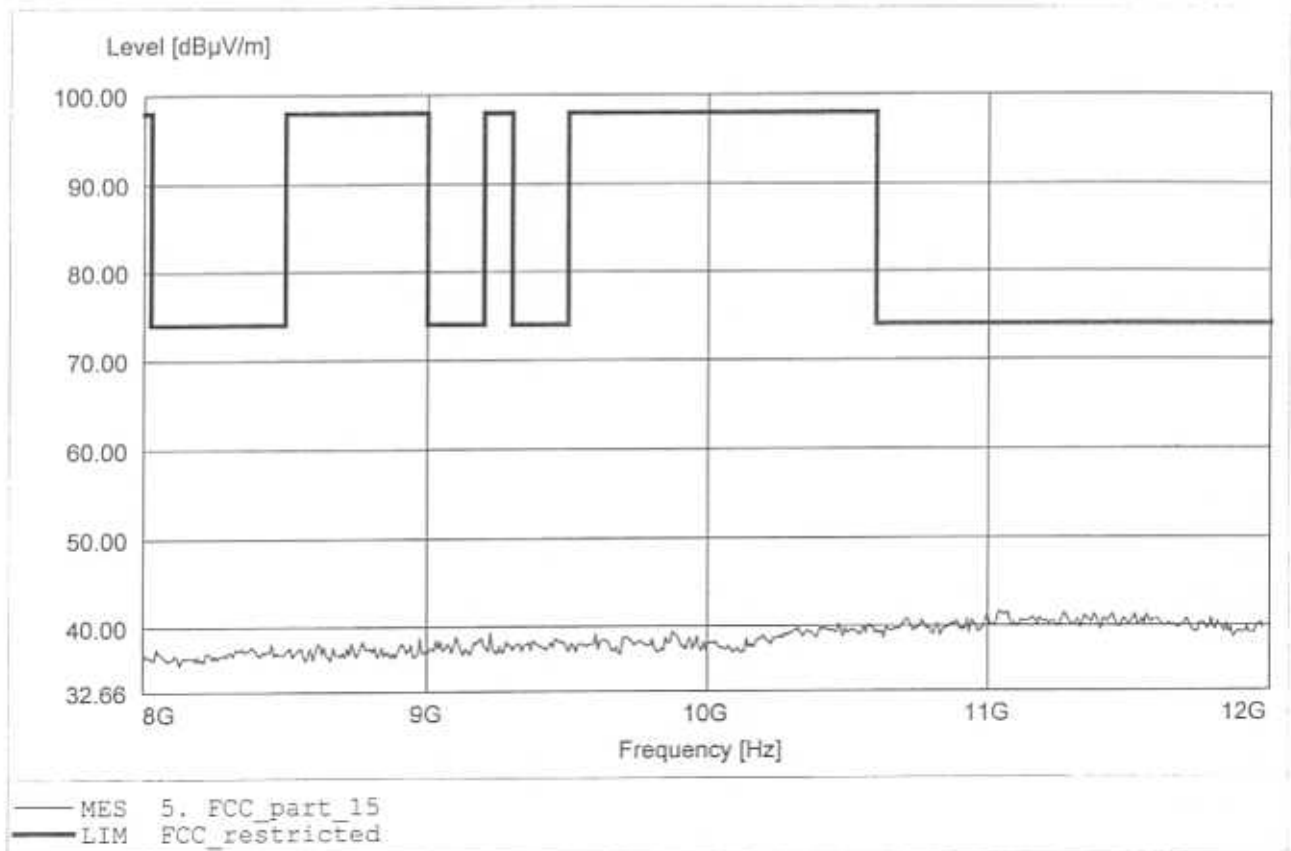
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom: 23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 47.73dBµV/m, RBW: 1MHz



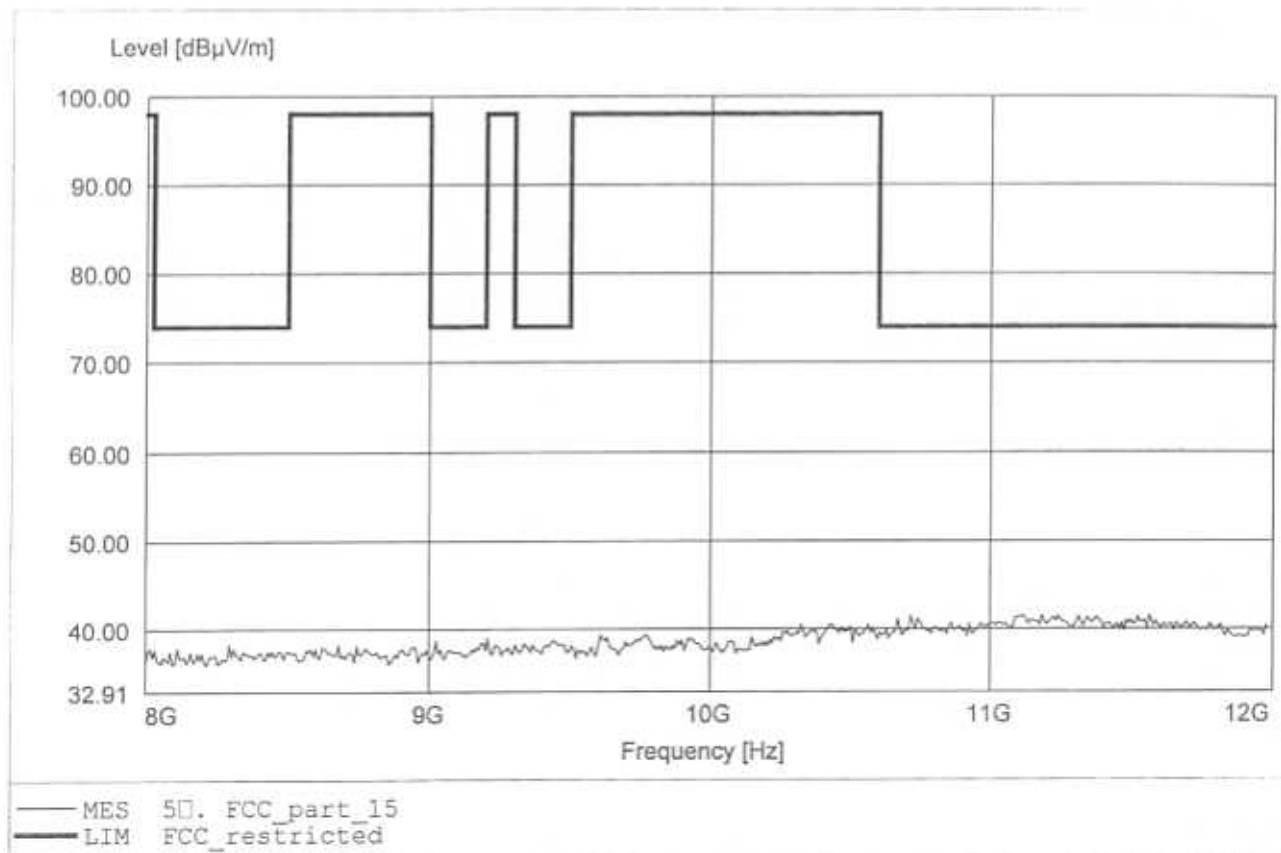
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.038GHz, Emax: 41.68dBμV/m, RBW: 1MHz



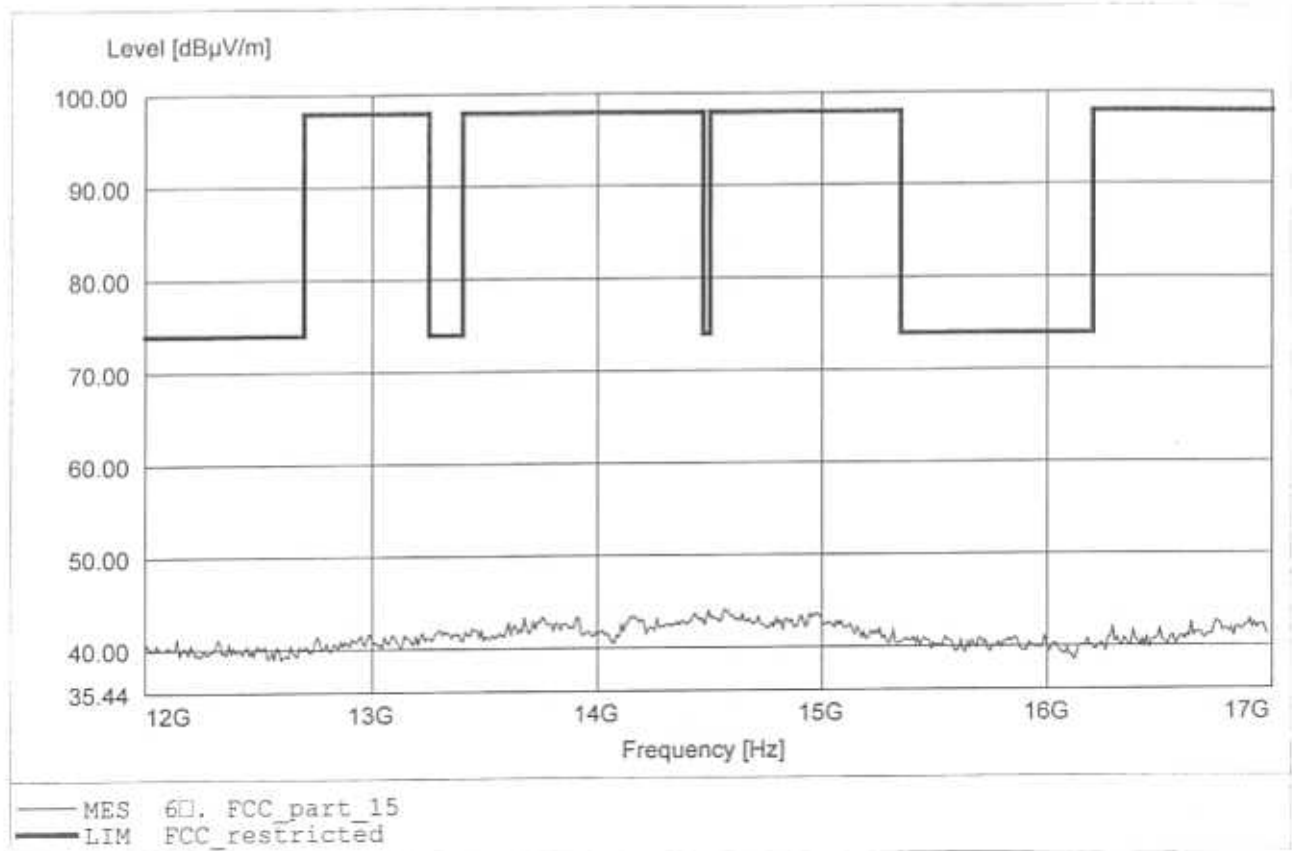
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
 Model: UGP22
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, Limit 20 dB up peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
 Comment 2: Freq: 11.182GHz, Emax: 41.62dBμV/m, RBW: 1MHz



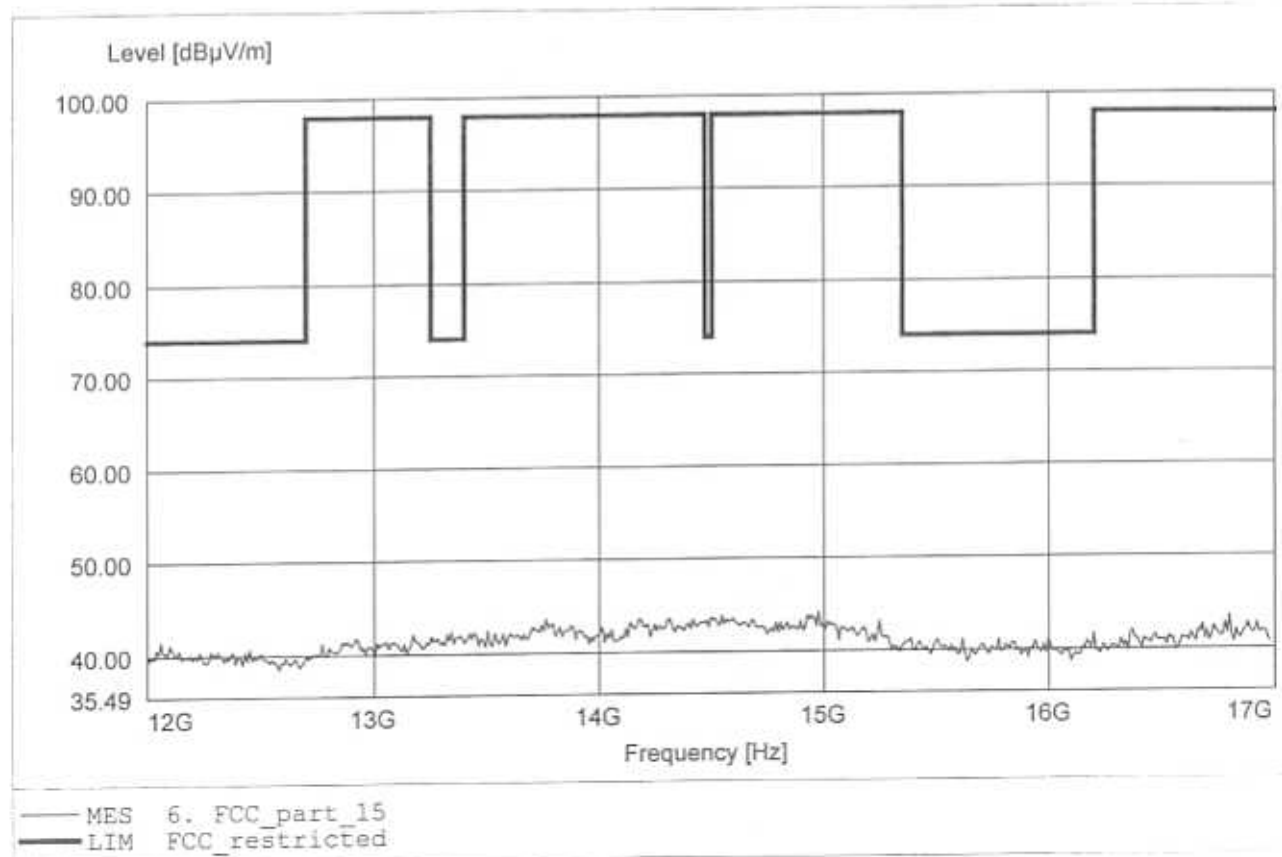
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 14.565GHz, Emax: 44.07dBμV/m, RBW: 1MHz



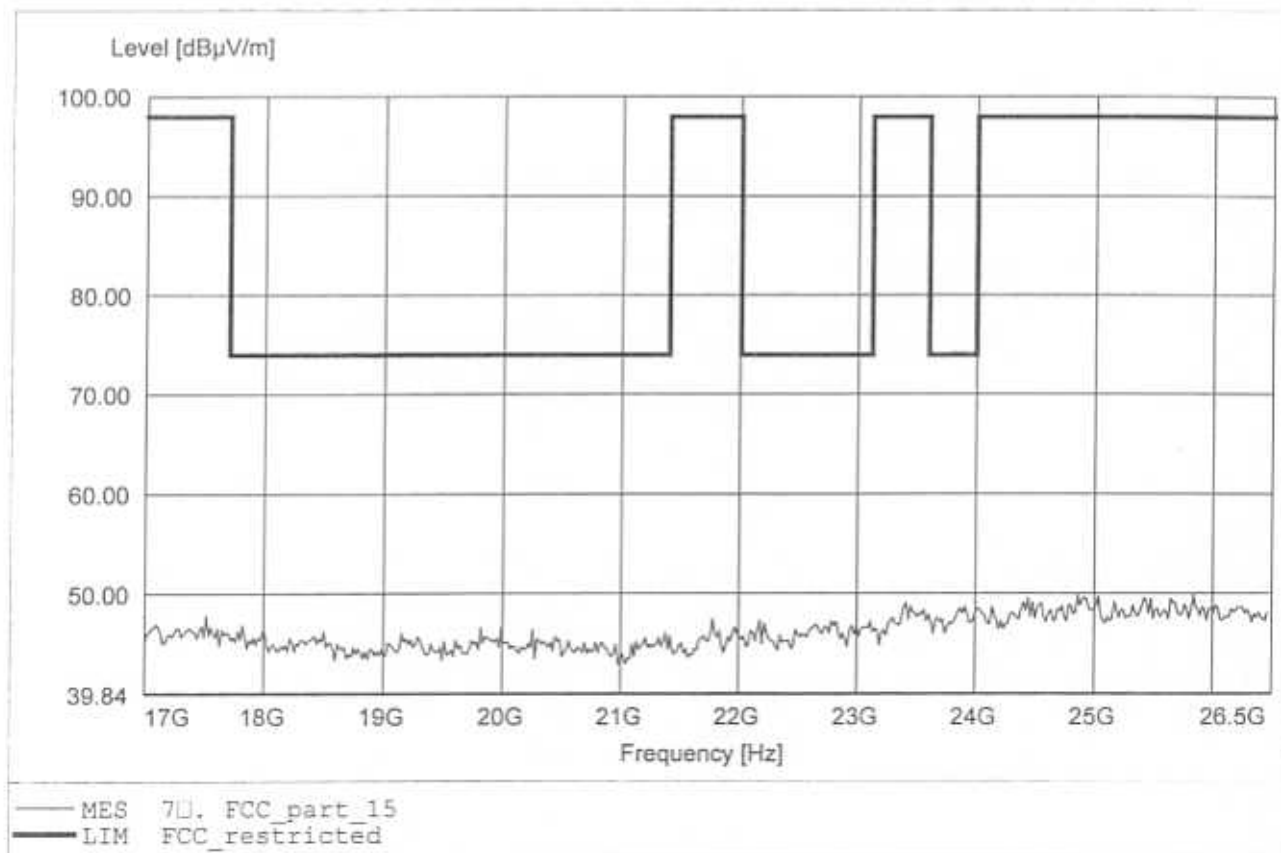
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGPZ2
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom:23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 14.976GHz, Emax: 44.27dBuV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
 Model: UGPZ2
 Approval Holder: Alps Electric Co., Ltd.
 Operating Condition: Tnom:23°C / Unom: 3.3 V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to S15247, Limit 20 dB up peak detector
 Comment 1: Dist.: 3m, Ant.: HL025, amplif.
 Comment 2: Freq: 24.863GHz, Emax: 49.88dBuV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Module / Ant.: ext. / Pmax / 2480 MHz
Model: UGP22
Approval Holder: Alps Electric Co., Ltd.
Operating Condition: Tnom: 23°C / Unom: 3.3 V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.834GHz, Emax: 50.49dBμV/m, RBW: 1MHz

