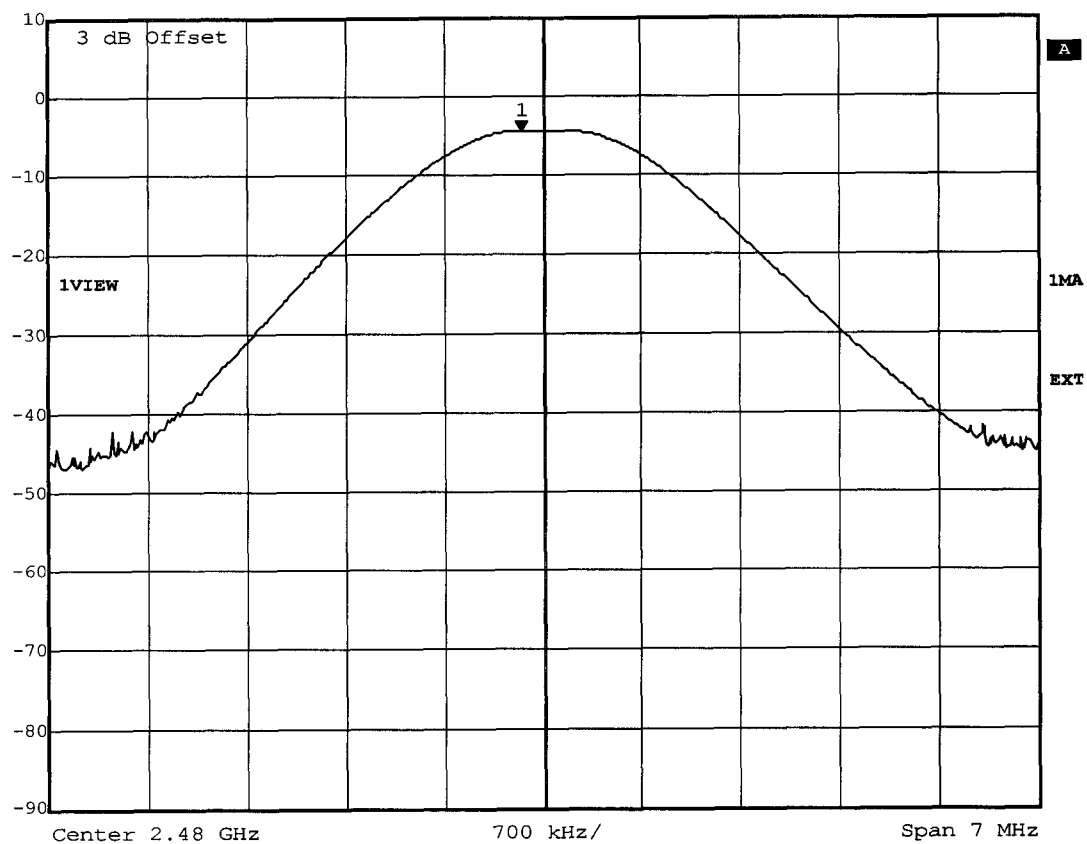


## **Appendix B**

Peak Output Power



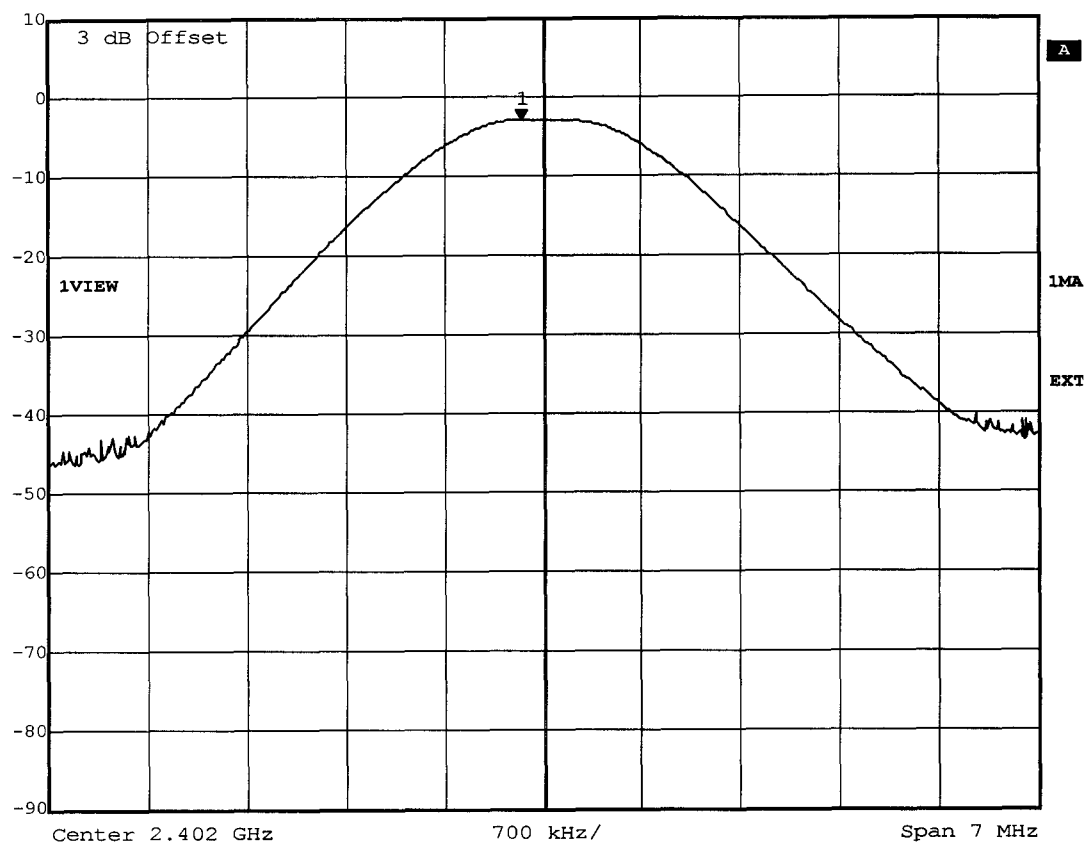
Marker 1 [T1] RBW 1 MHz RF Att 30 dB  
Ref Lvl -4.53 dBm VBW 1 MHz  
10 dBm 2.47985271 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.:78  
Comment A: Z1  
Date: 17.OCT.2005 13:04:35



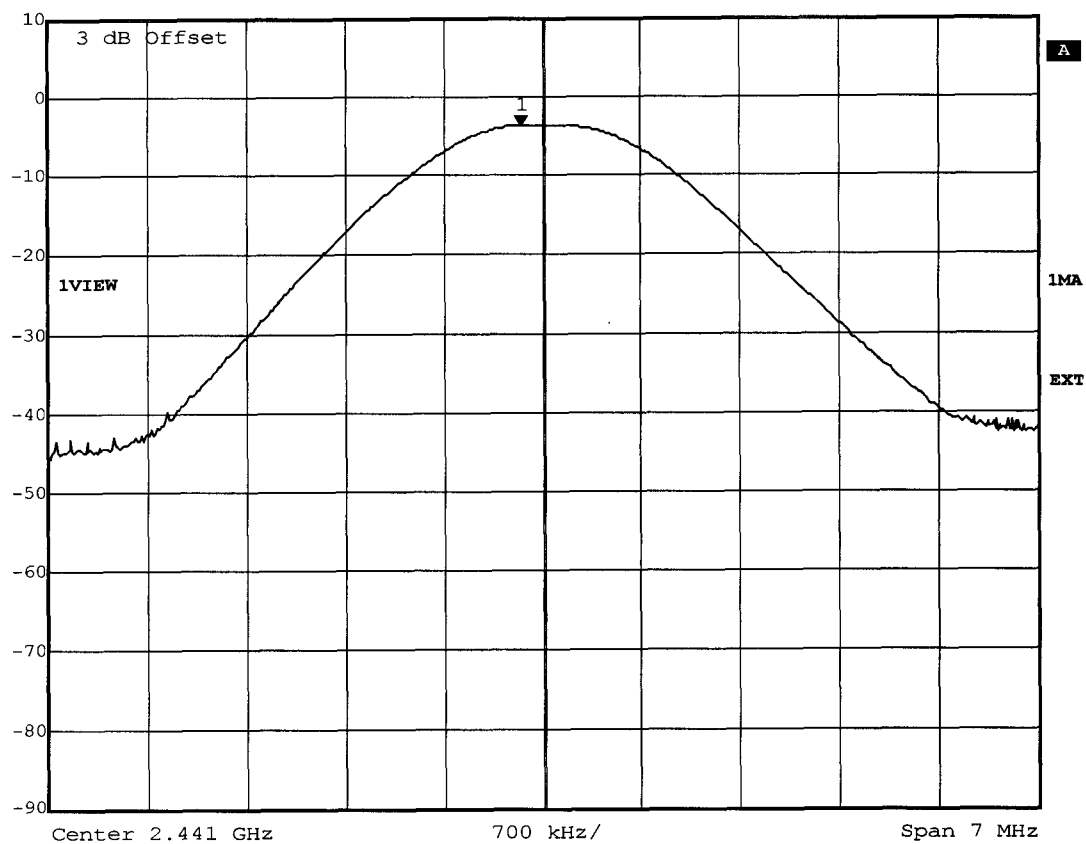
Marker 1 [T1] RBW 1 MHz RF Att 30 dB  
Ref Lvl -3.08 dBm VBW 1 MHz  
10 dBm 2.40185271 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 0  
Comment A: Z1  
Date: 17.OCT.2005 13:03:57



Marker 1 [T1] RBW 1 MHz RF Att 30 dB  
Ref Lvl -3.84 dBm VBW 1 MHz  
10 dBm 2.44085271 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 39  
Comment A: Z1  
Date: 17.OCT.2005 13:03:14

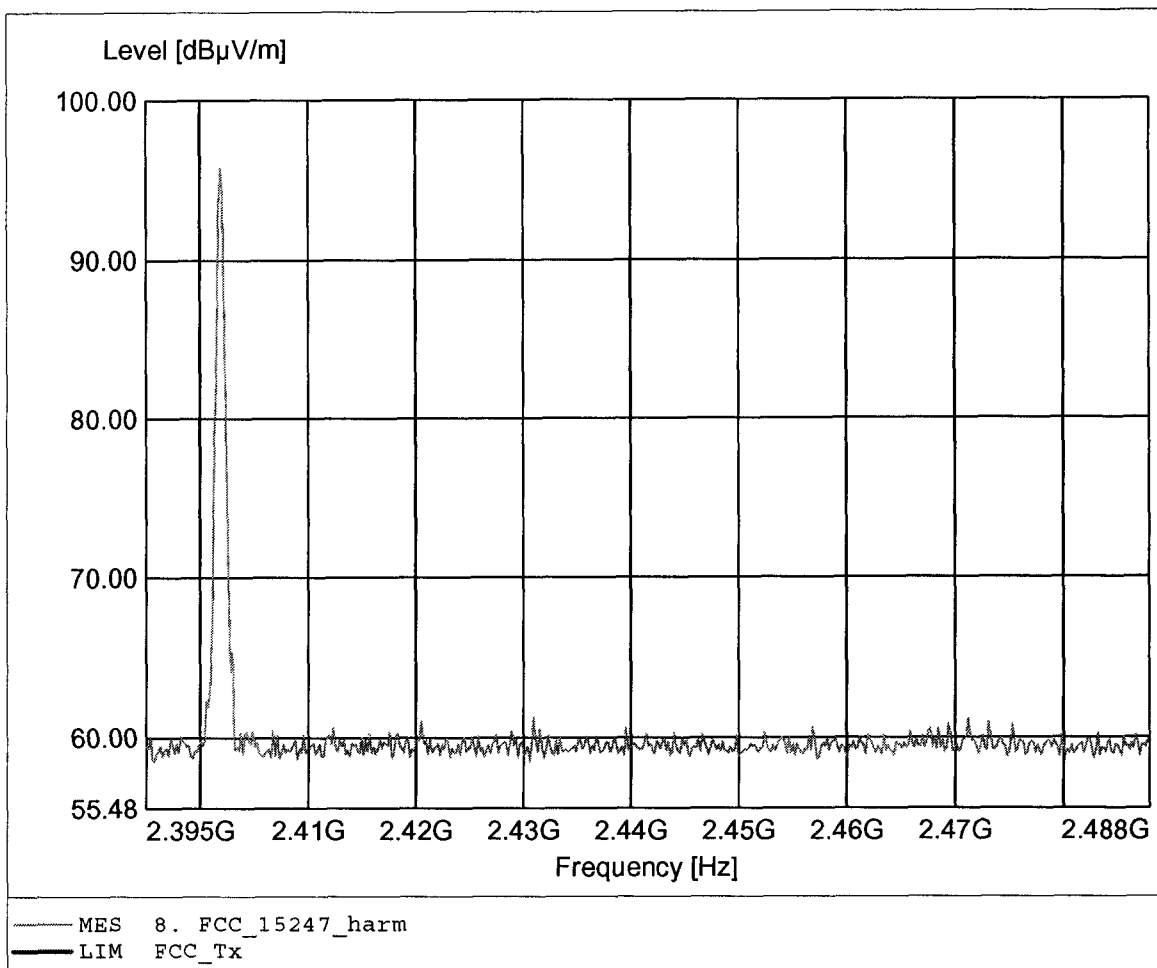
## Appendix C

Spurious Emissions radiated - Transmitter operating

# Carrier power (Field Strength)

## FCC RULES PART 15, SUBPART C

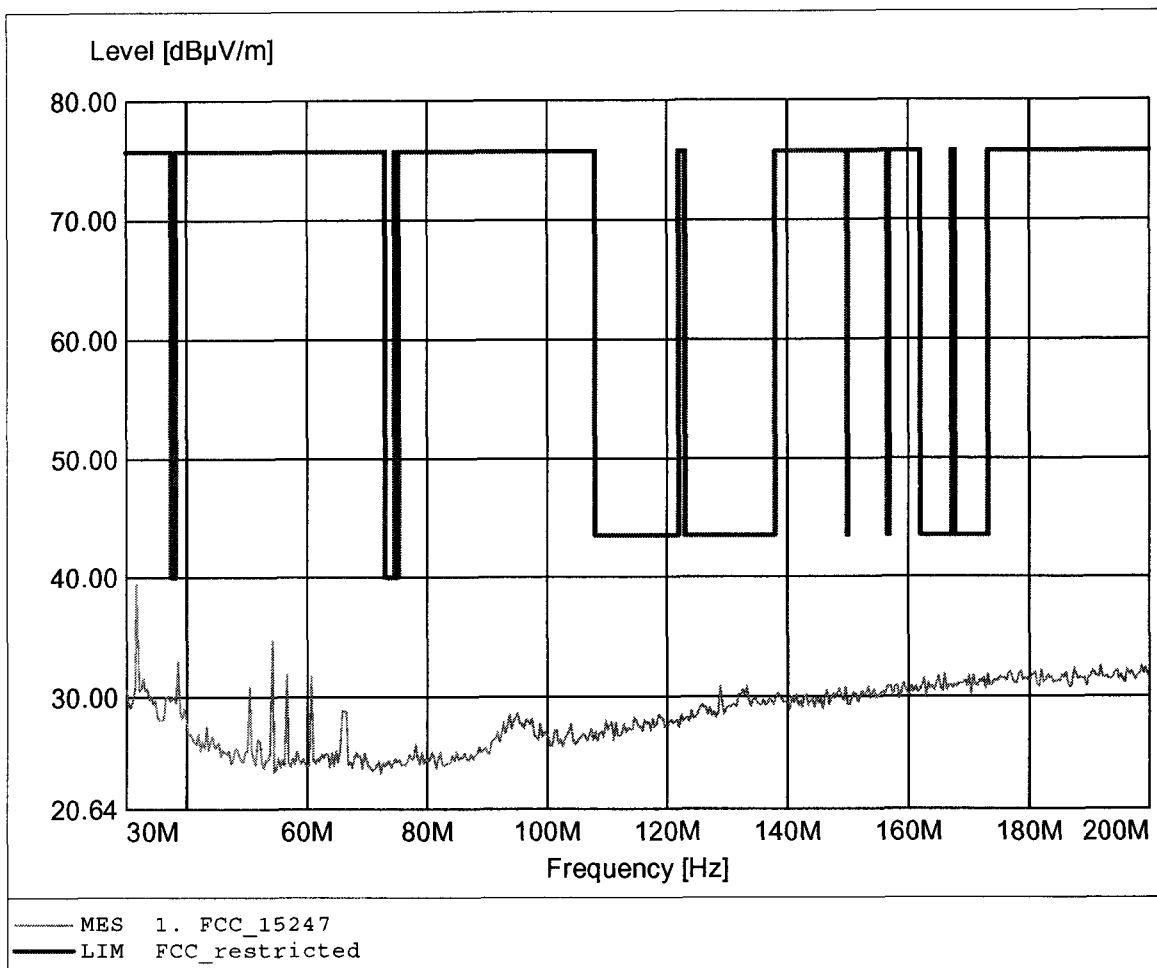
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: BBHA9120D  
Comment 2: Freq: 2.402GHz, Emax: 95.74dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

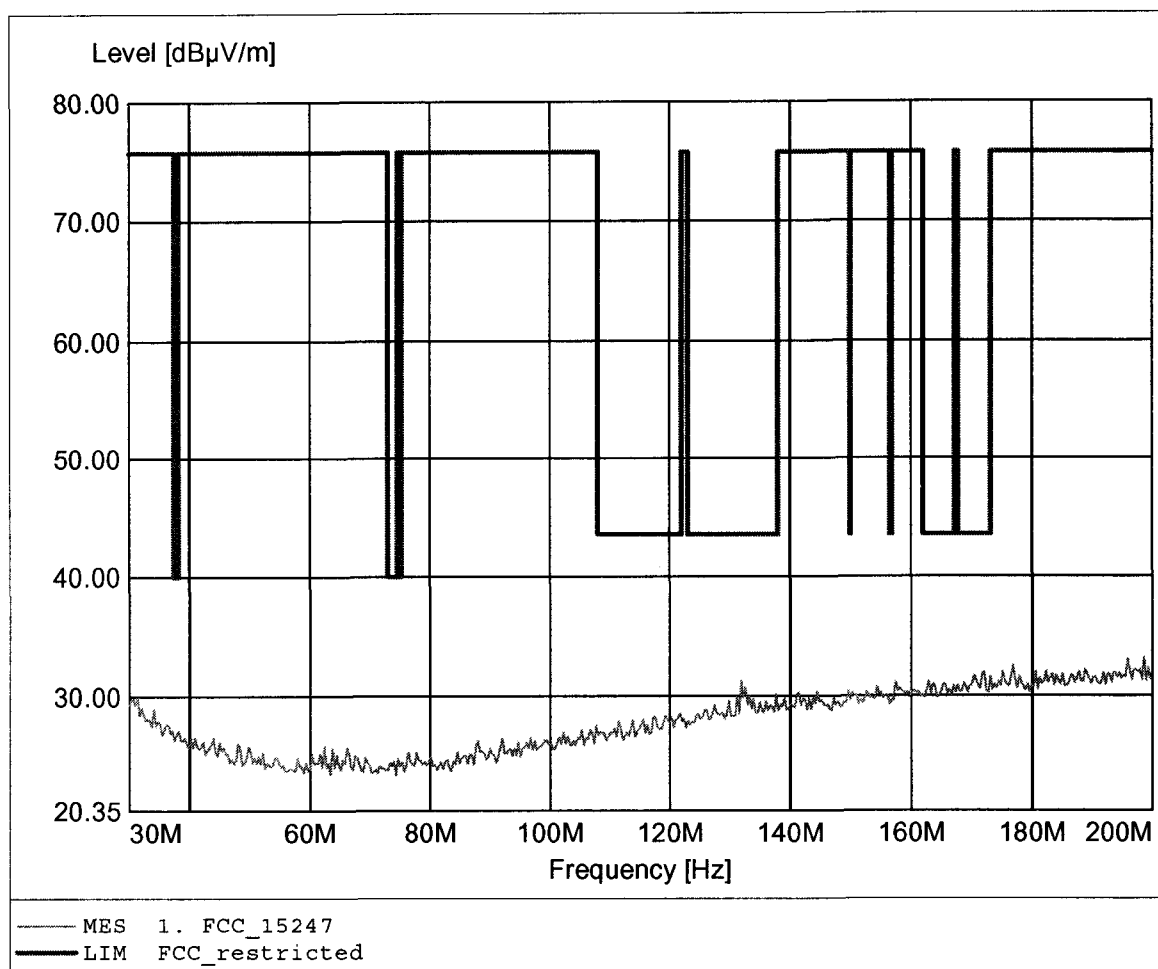
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 31.703MHz, Emax: 39.41dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 198.637MHz, Emax: 33.18dBμV/m, RBW: 100kHz

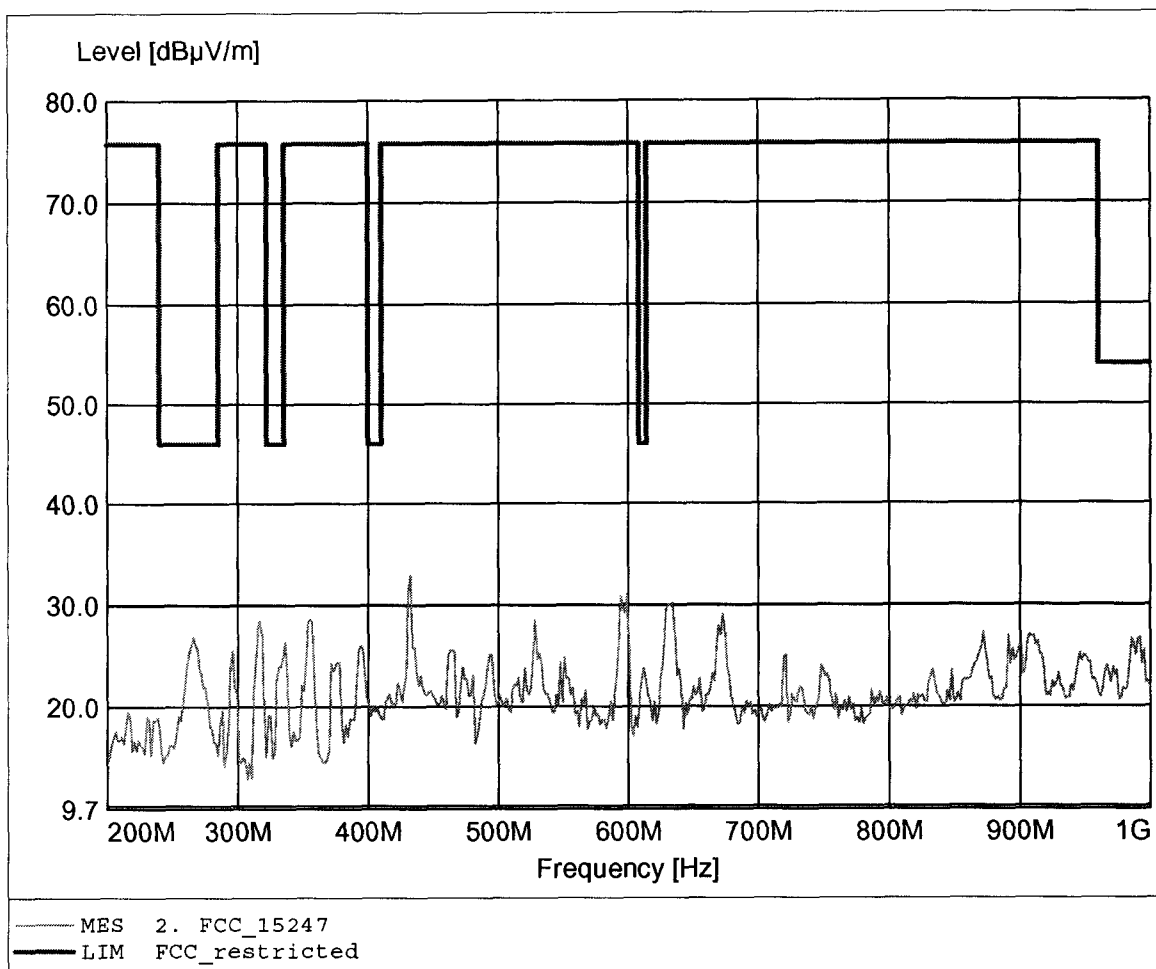




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

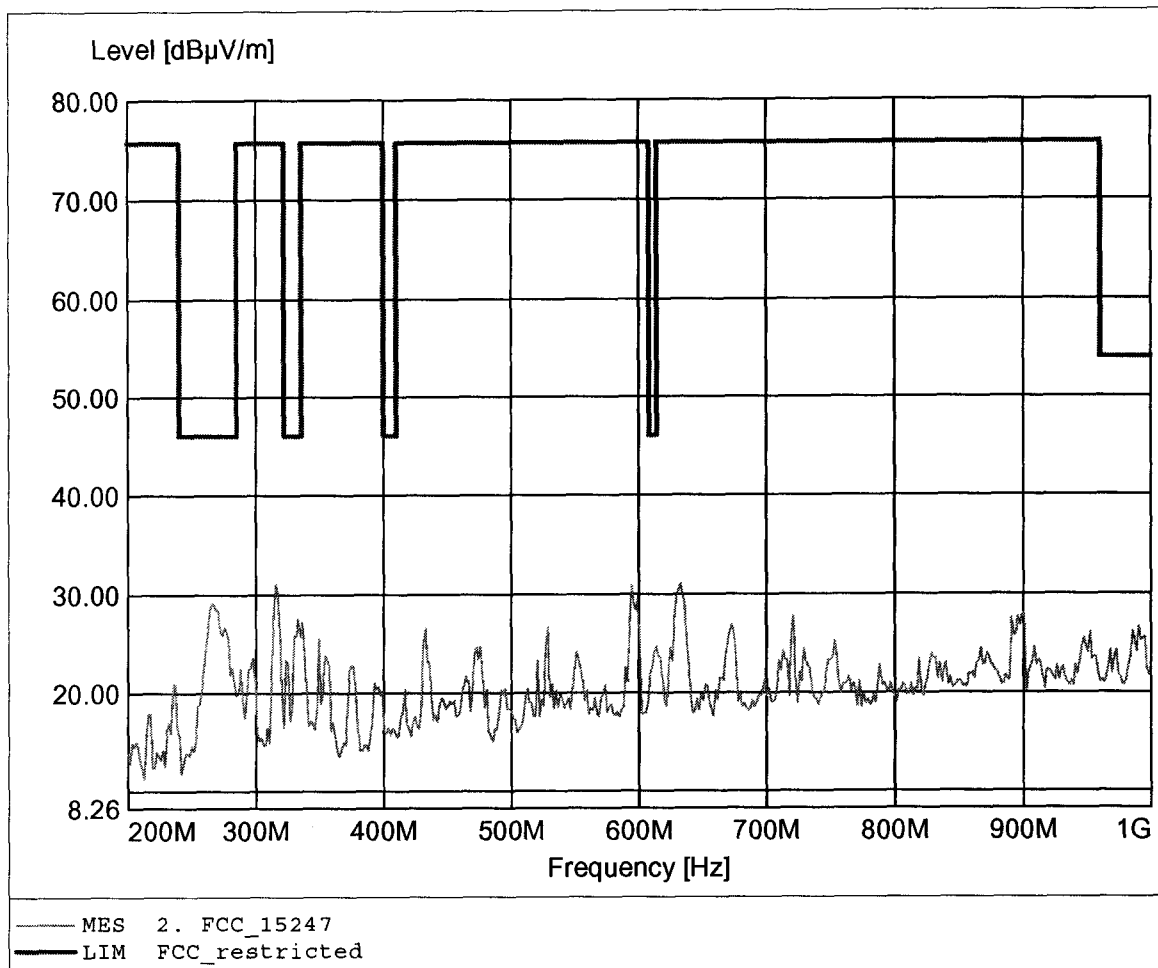
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 432.465MHz, Emax: 32.90dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

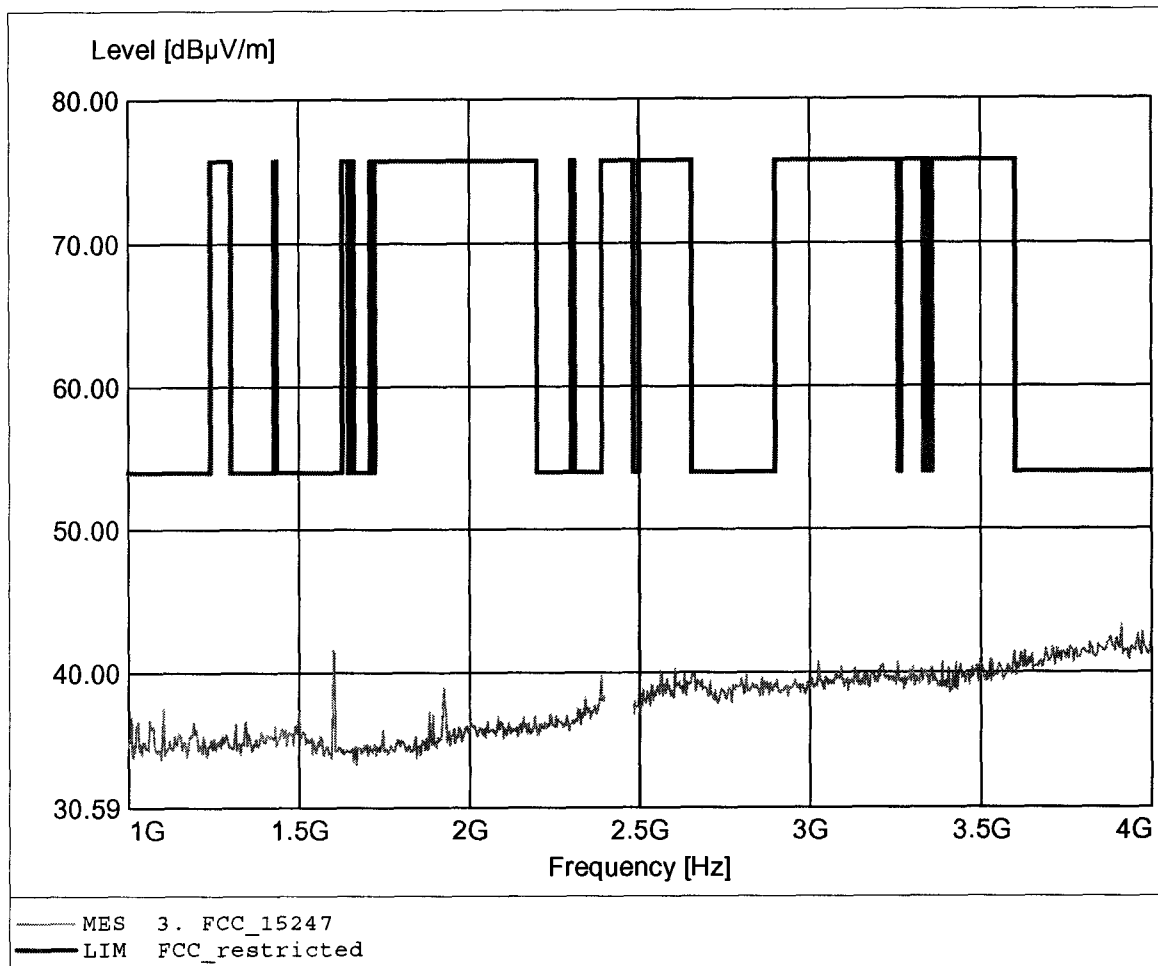
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 632.866MHz, Emax: 31.10dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

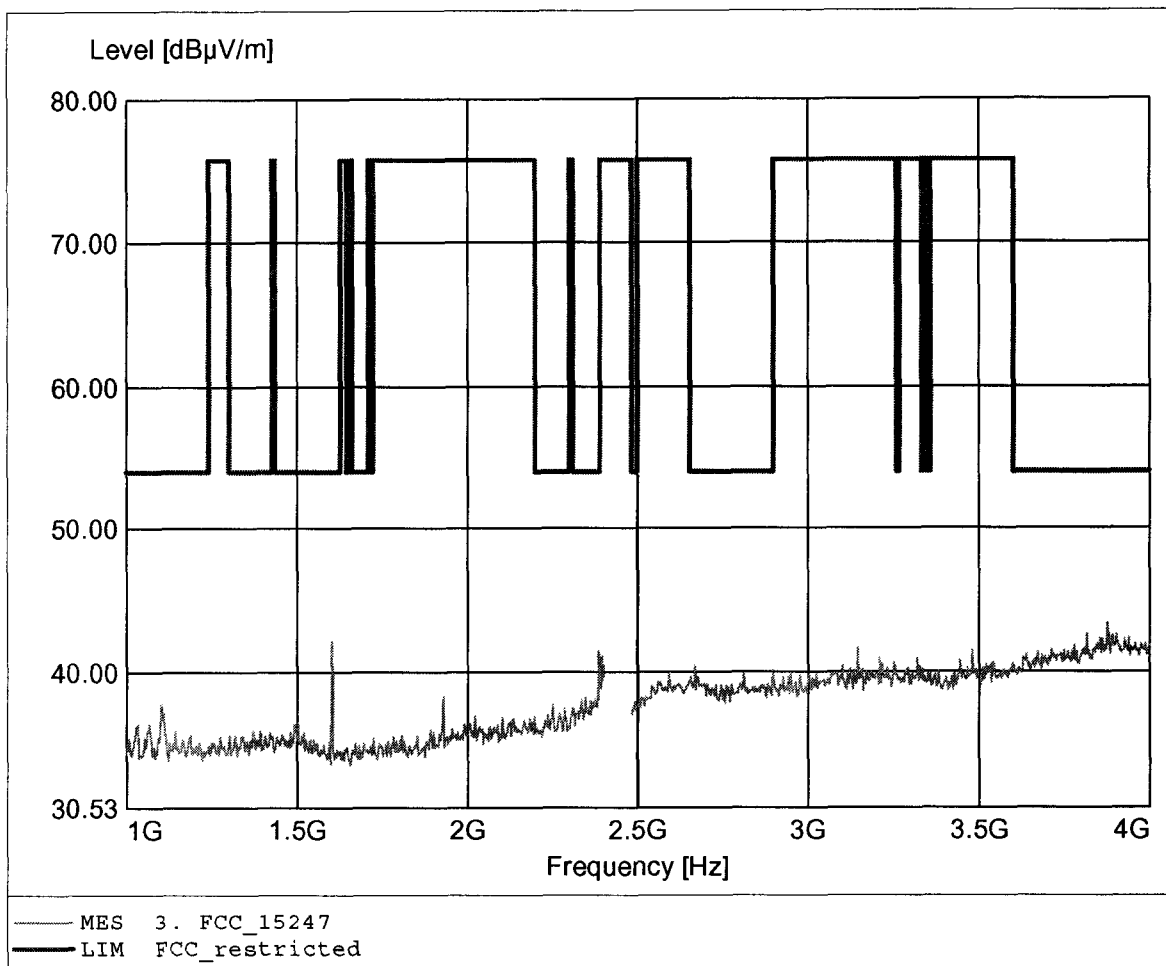
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.912GHz, Emax: 43.36dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

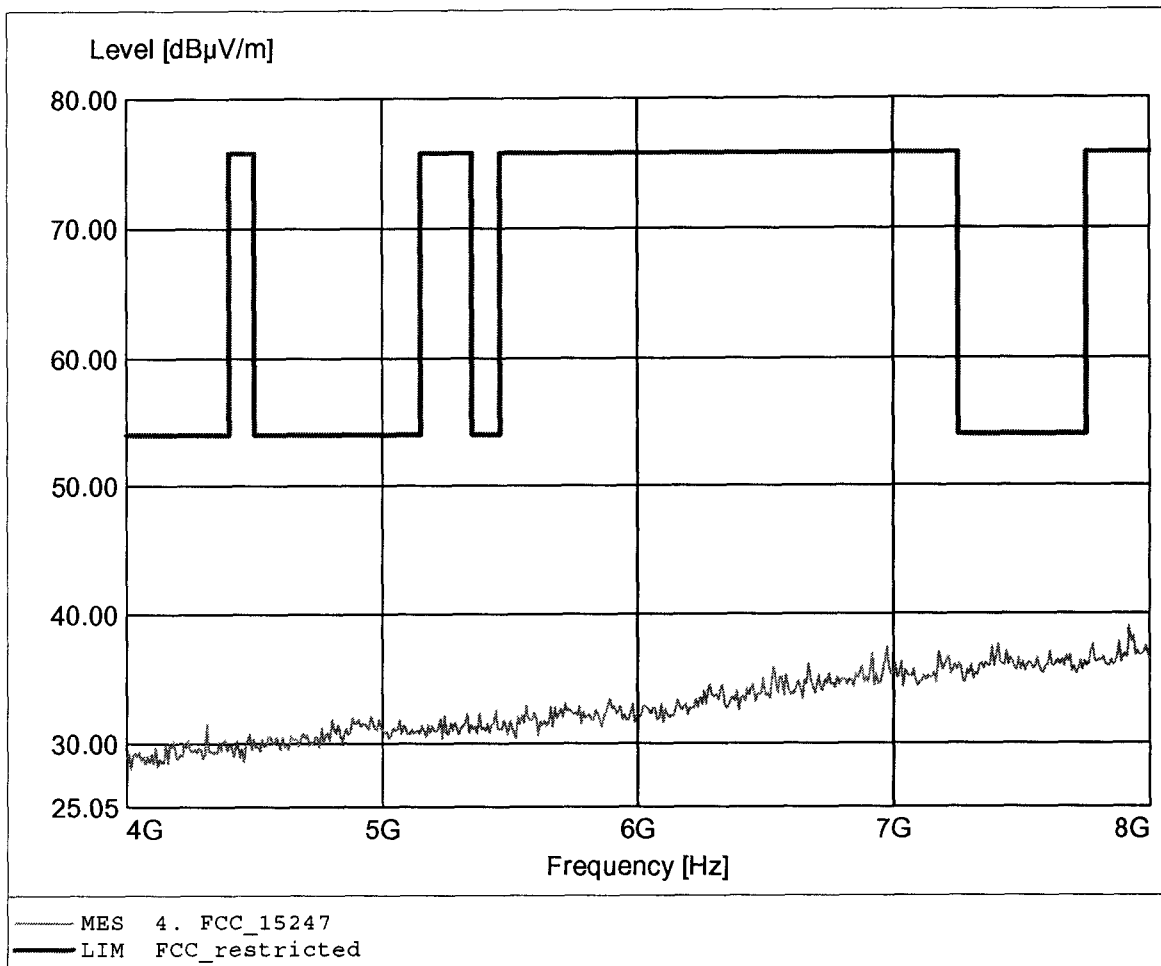
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.875GHz, Emax: 43.35dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

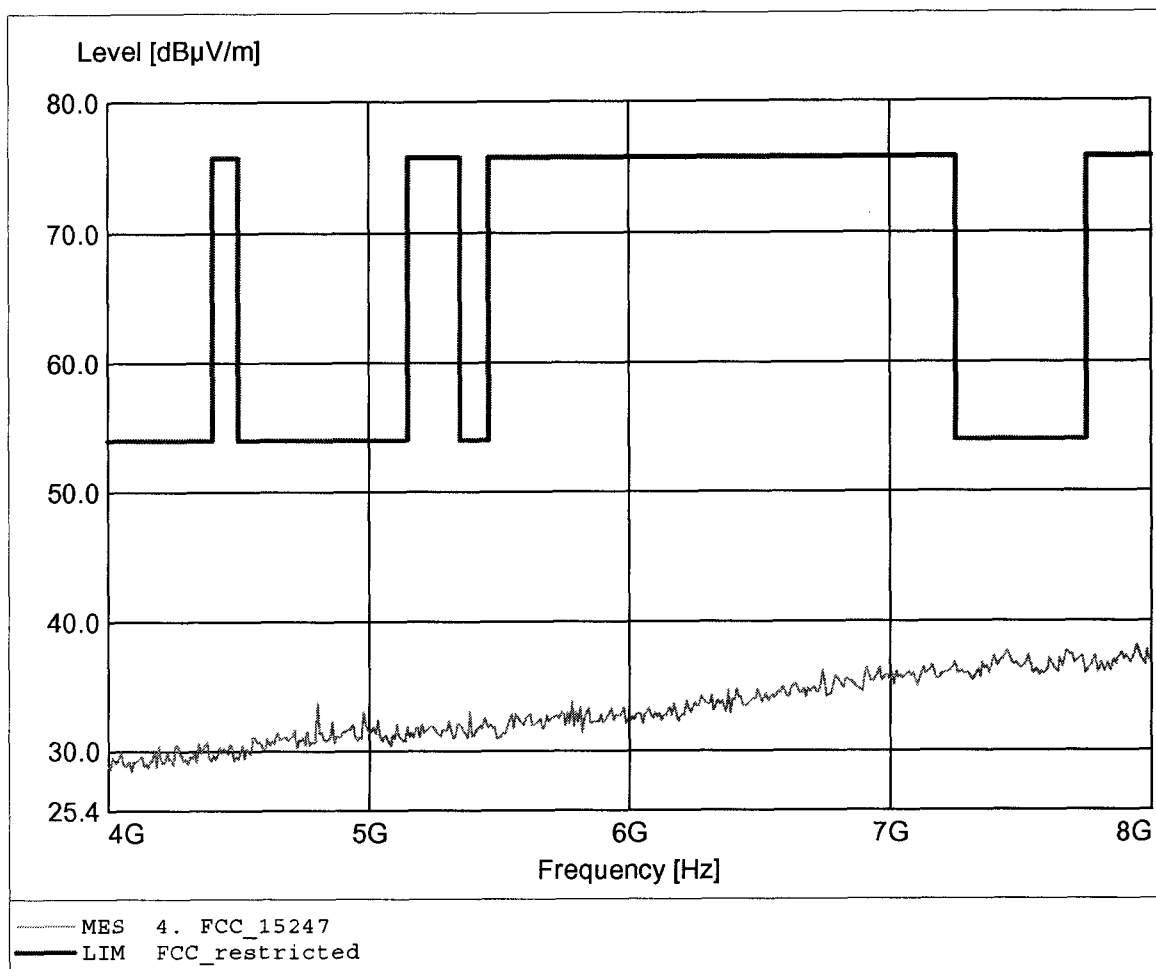
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.920GHz, Emax: 39.03dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

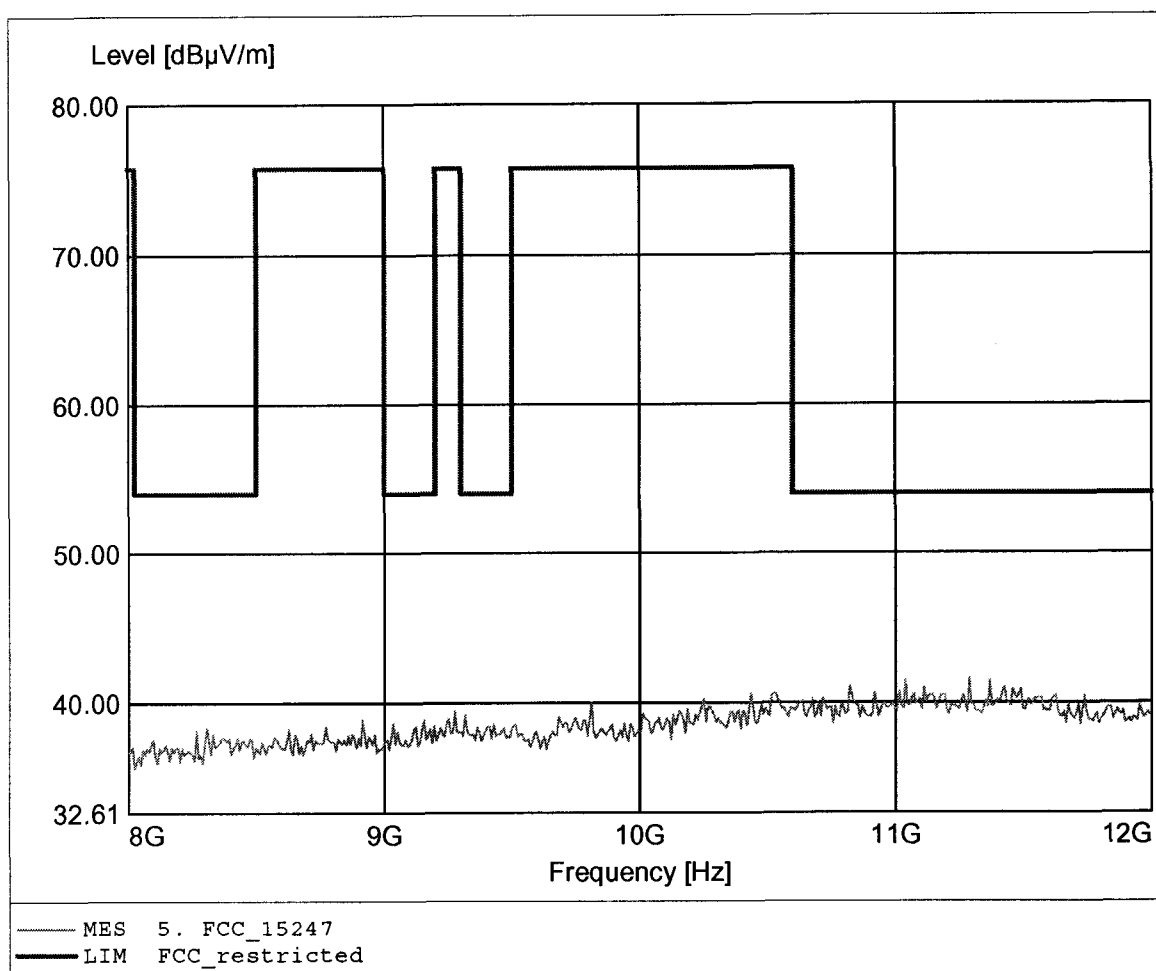
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.944GHz, Emax: 38.15dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

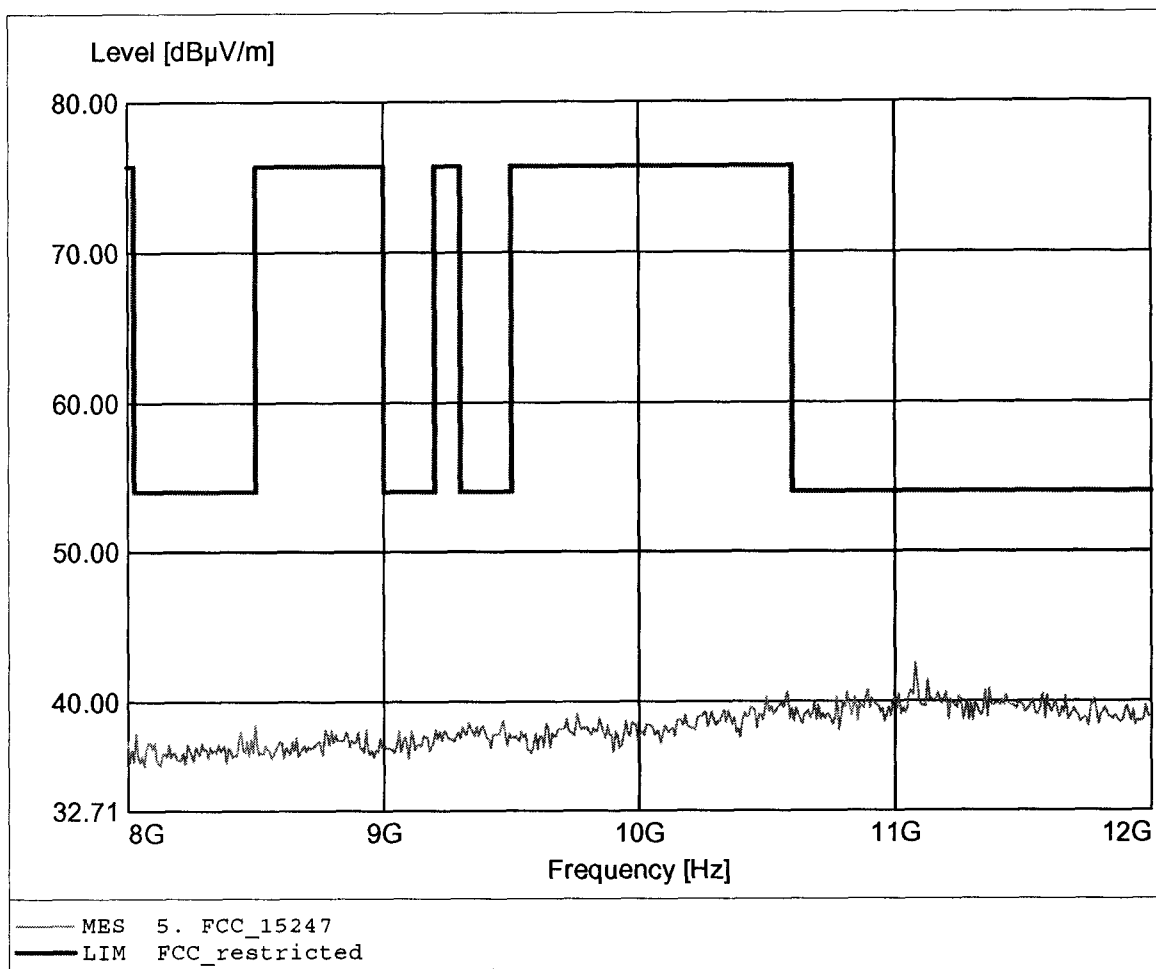
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 11.287GHz, Emax: 41.64dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 11.078GHz, Emax: 42.52dBμV/m, RBW: 1MHz

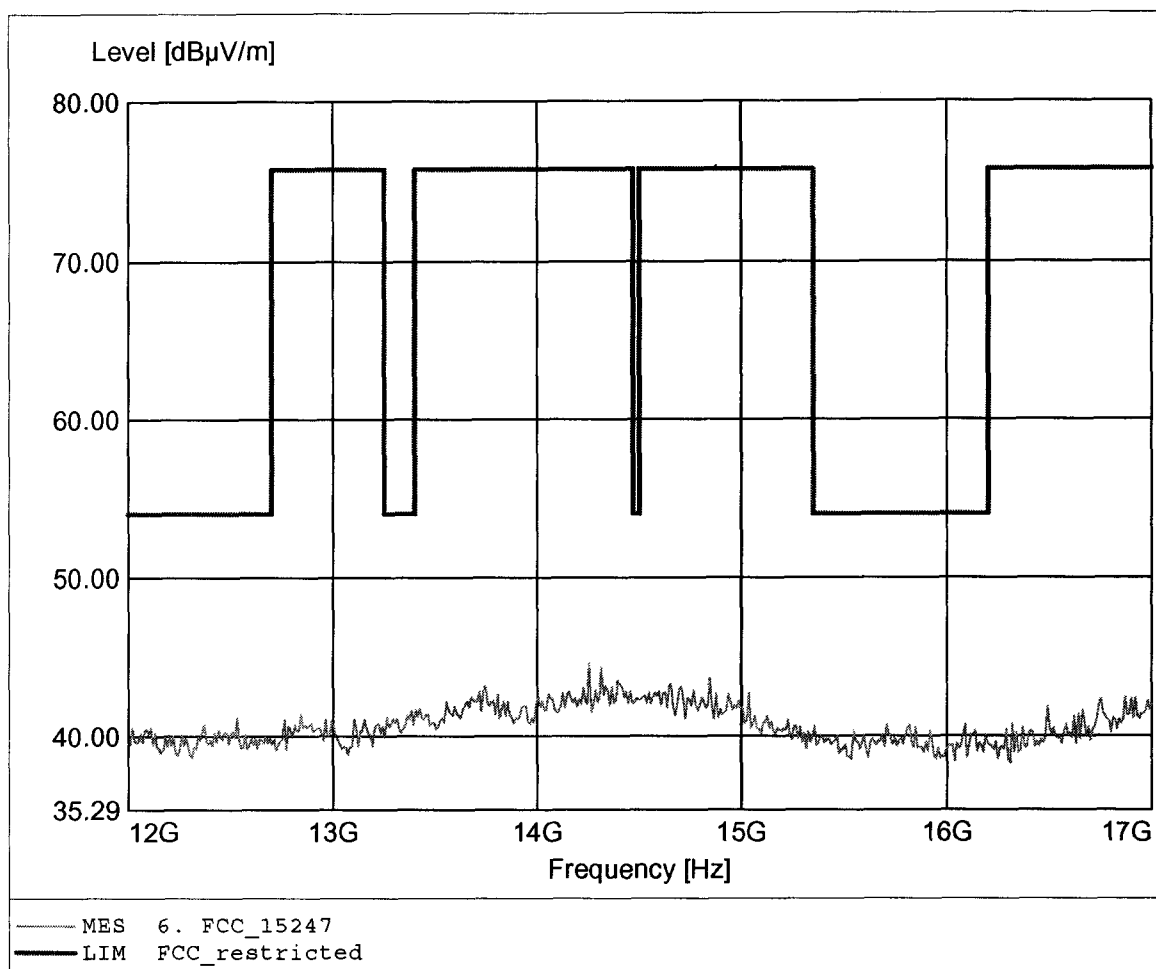




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

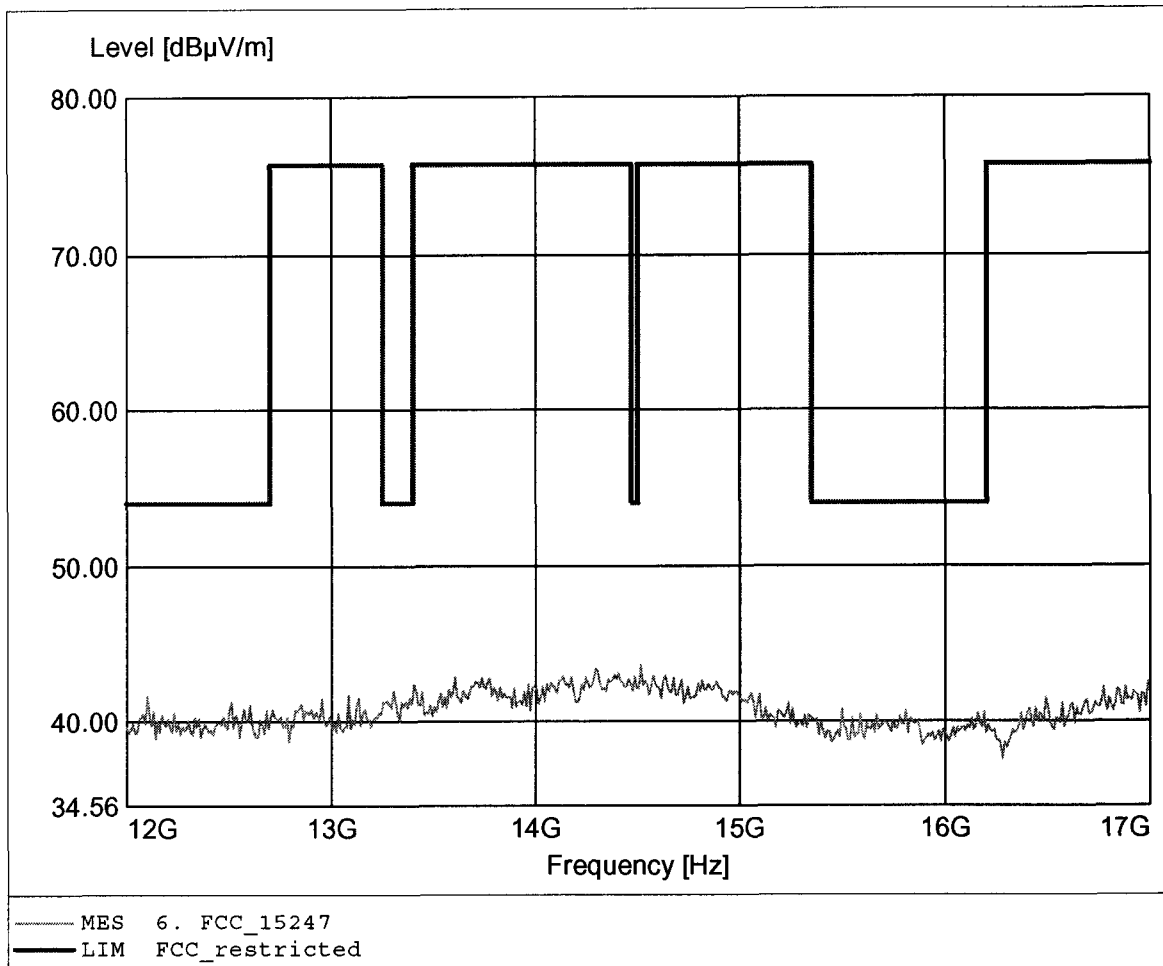
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.255GHz, Emax: 44.63dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

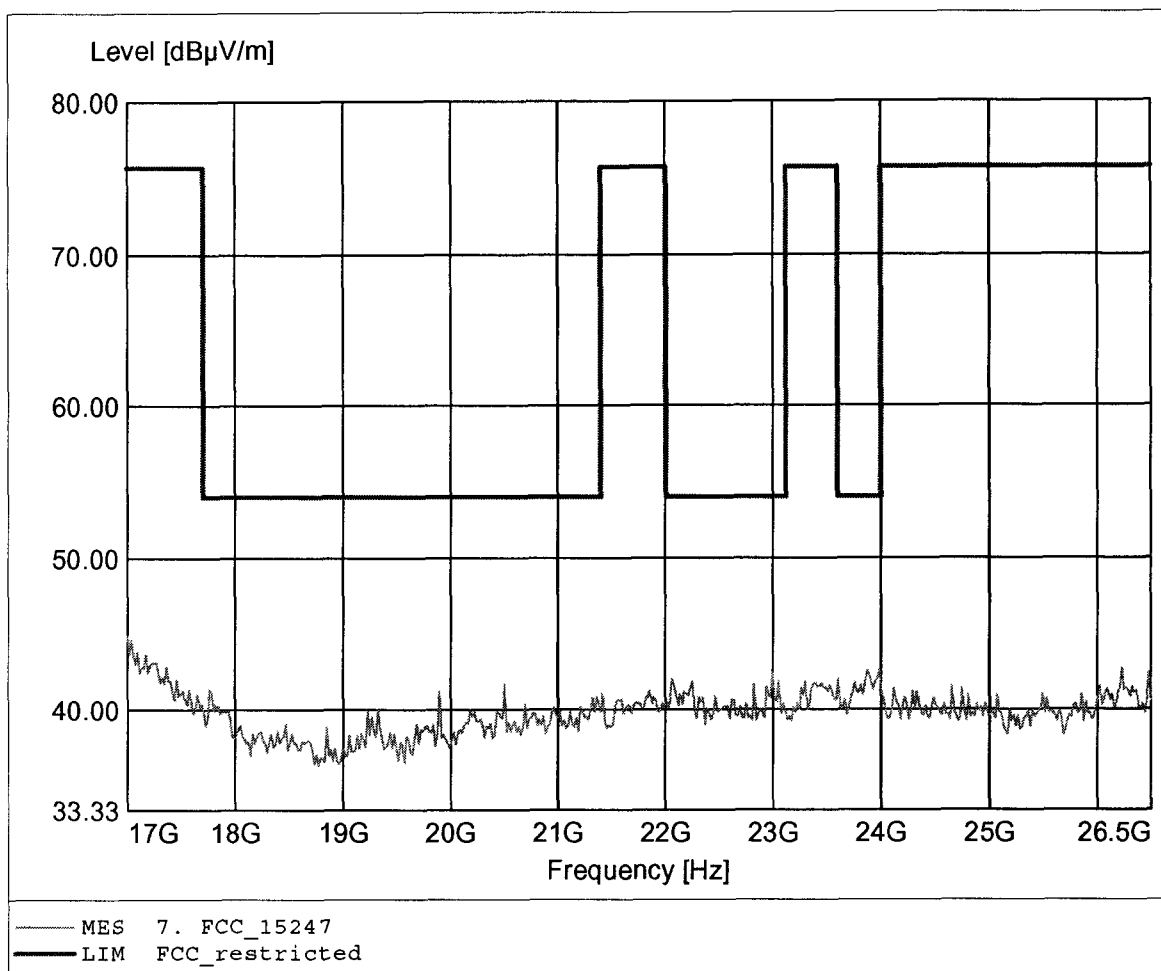
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.515GHz, Emax: 43.64dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

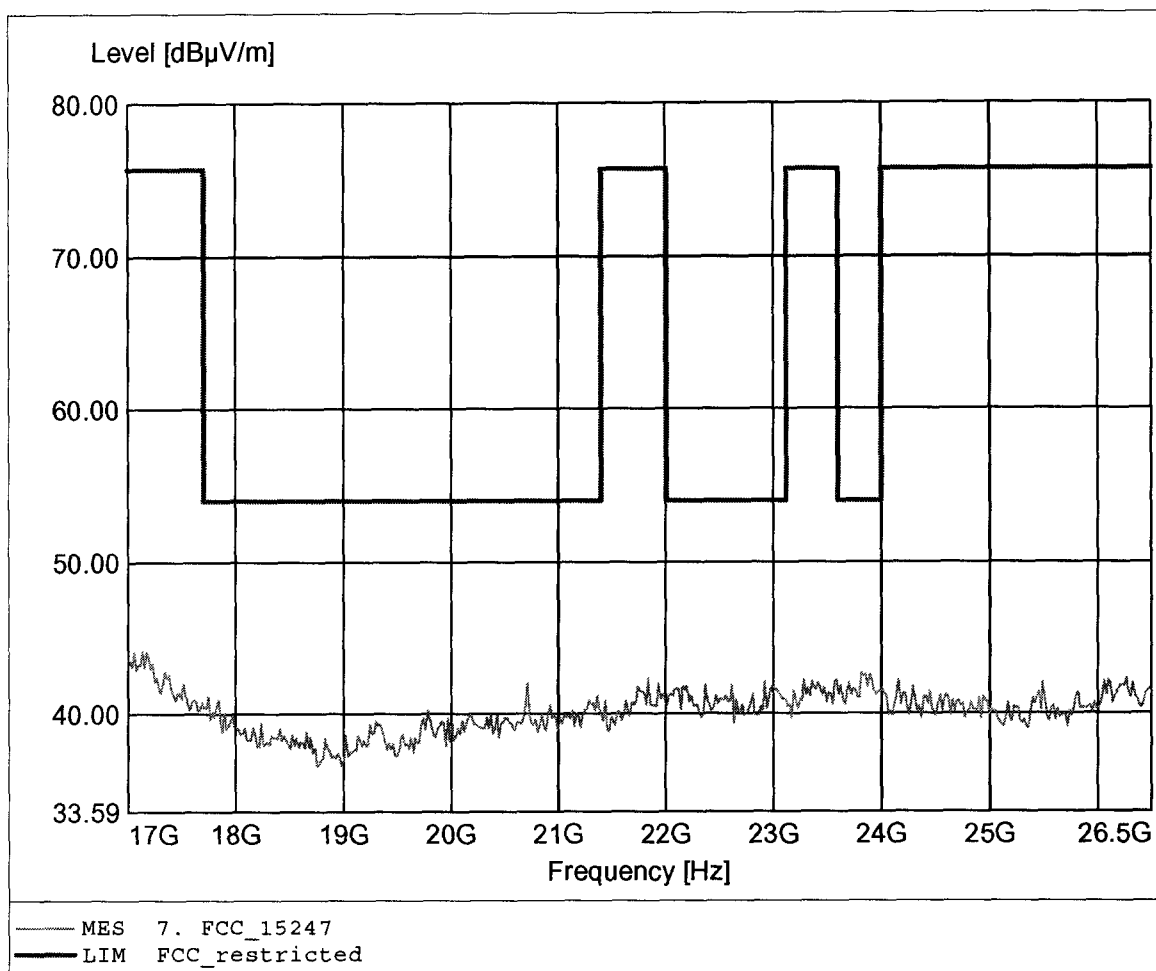
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 17.000GHz, Emax: 44.91dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

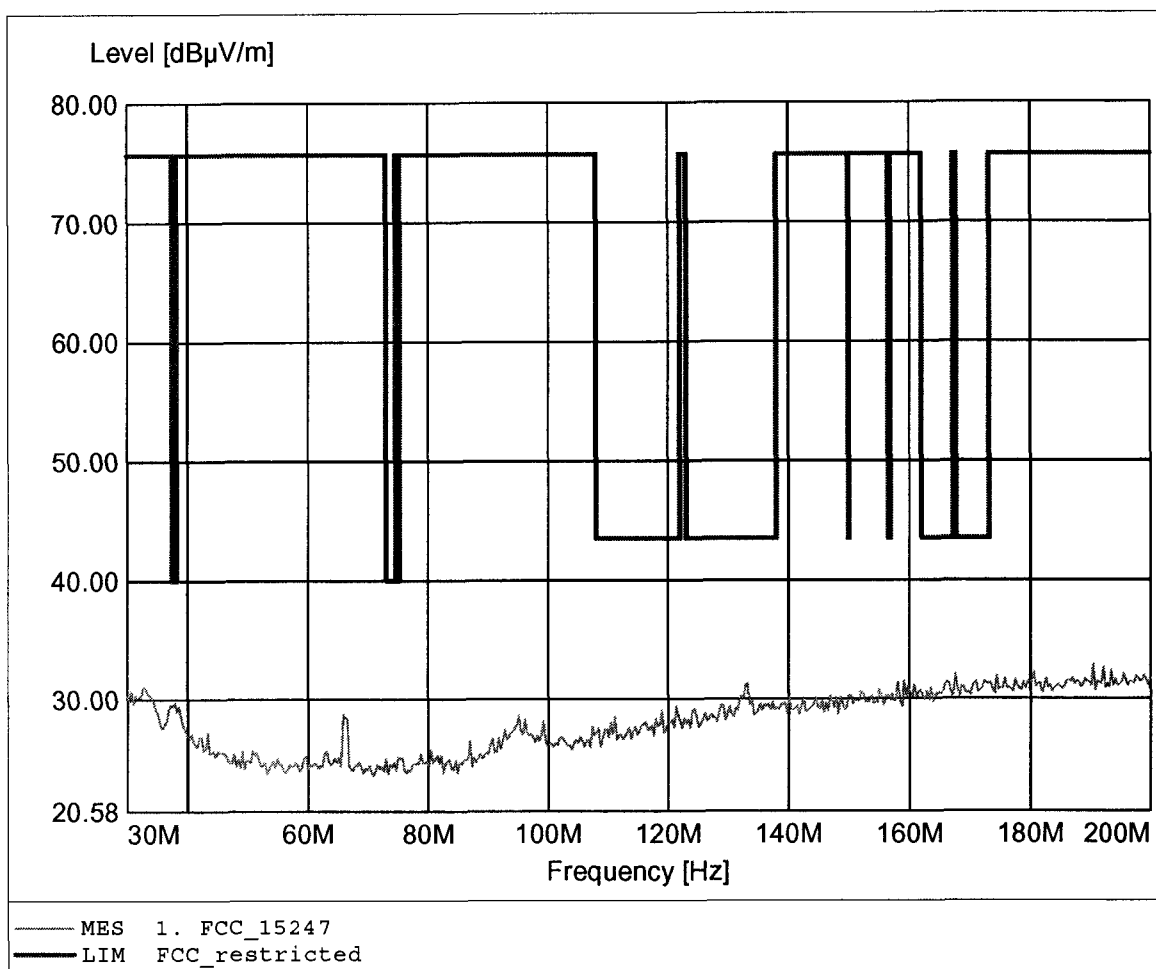
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 17.133GHz, Emax: 44.12dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

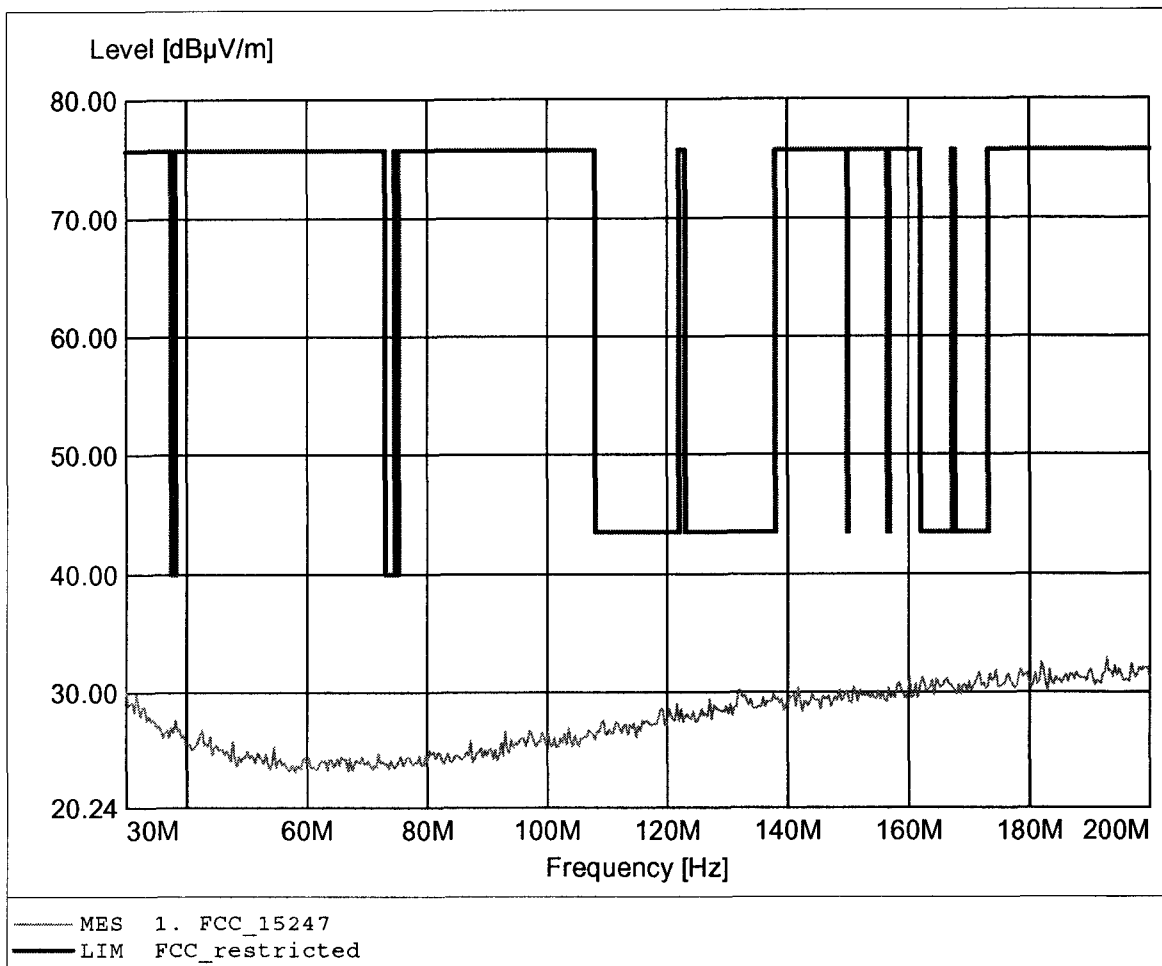
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 190.461MHz, Emax: 32.94dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

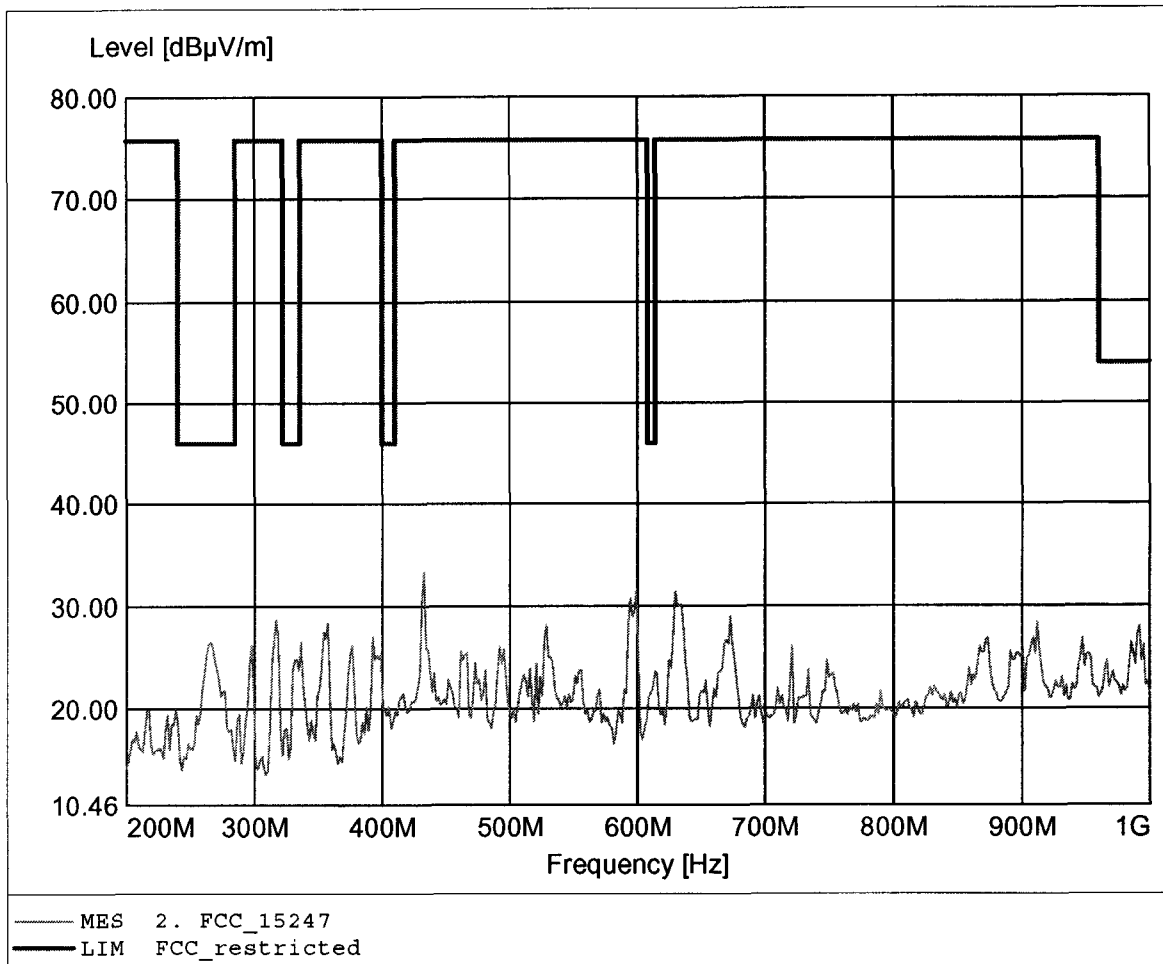
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 192.846MHz, Emax: 32.92dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

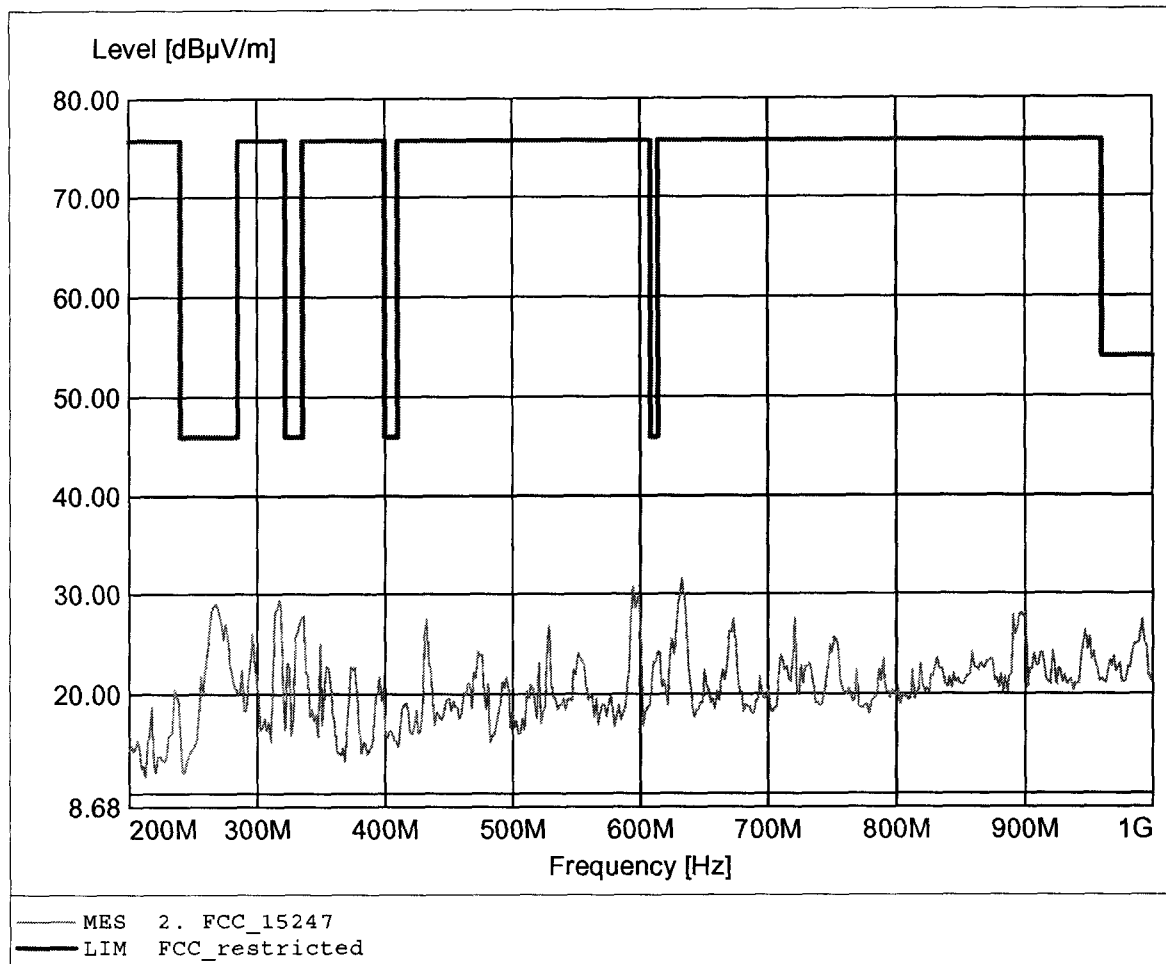
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 432.465MHz, Emax: 33.41dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 632.866MHz, Emax: 31.56dBuV/m, RBW: 100kHz

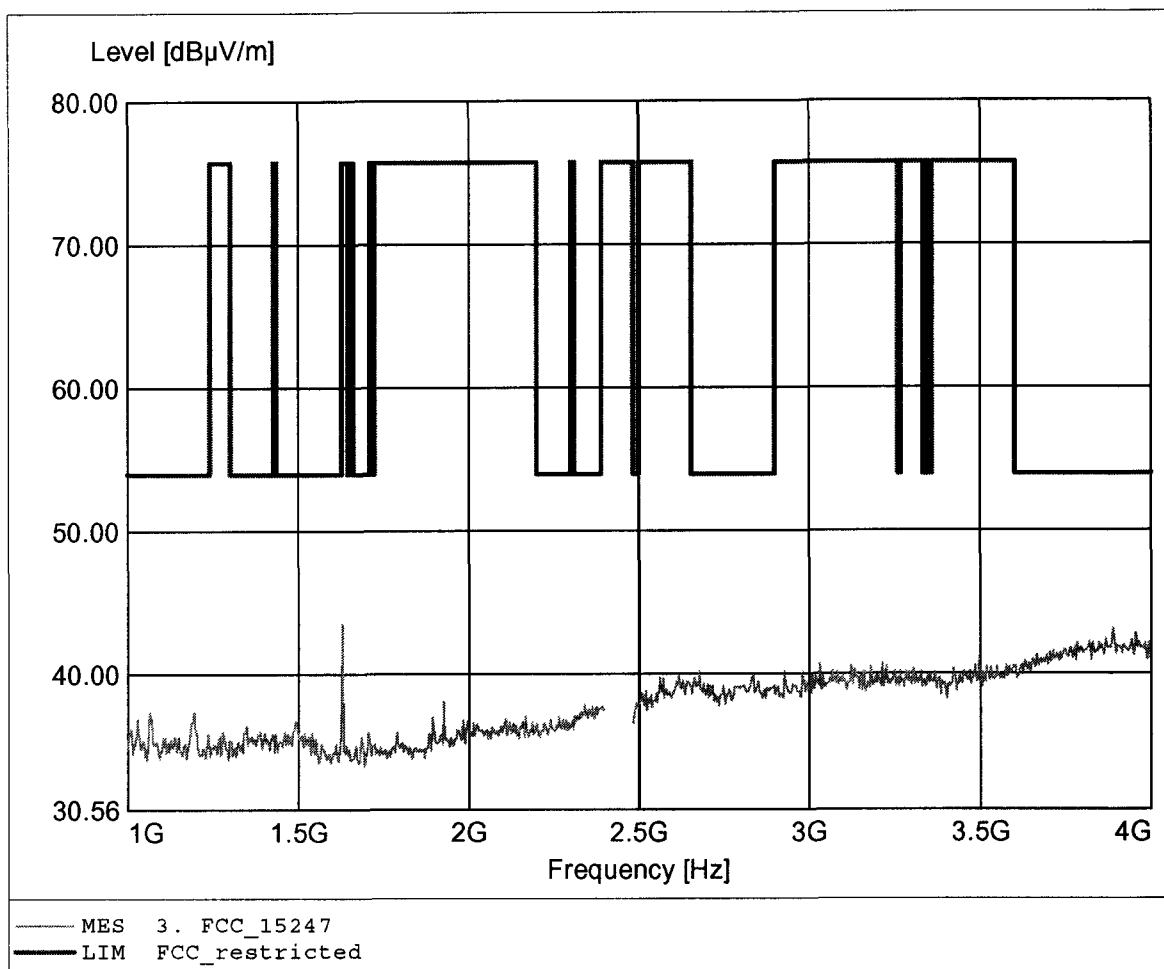




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

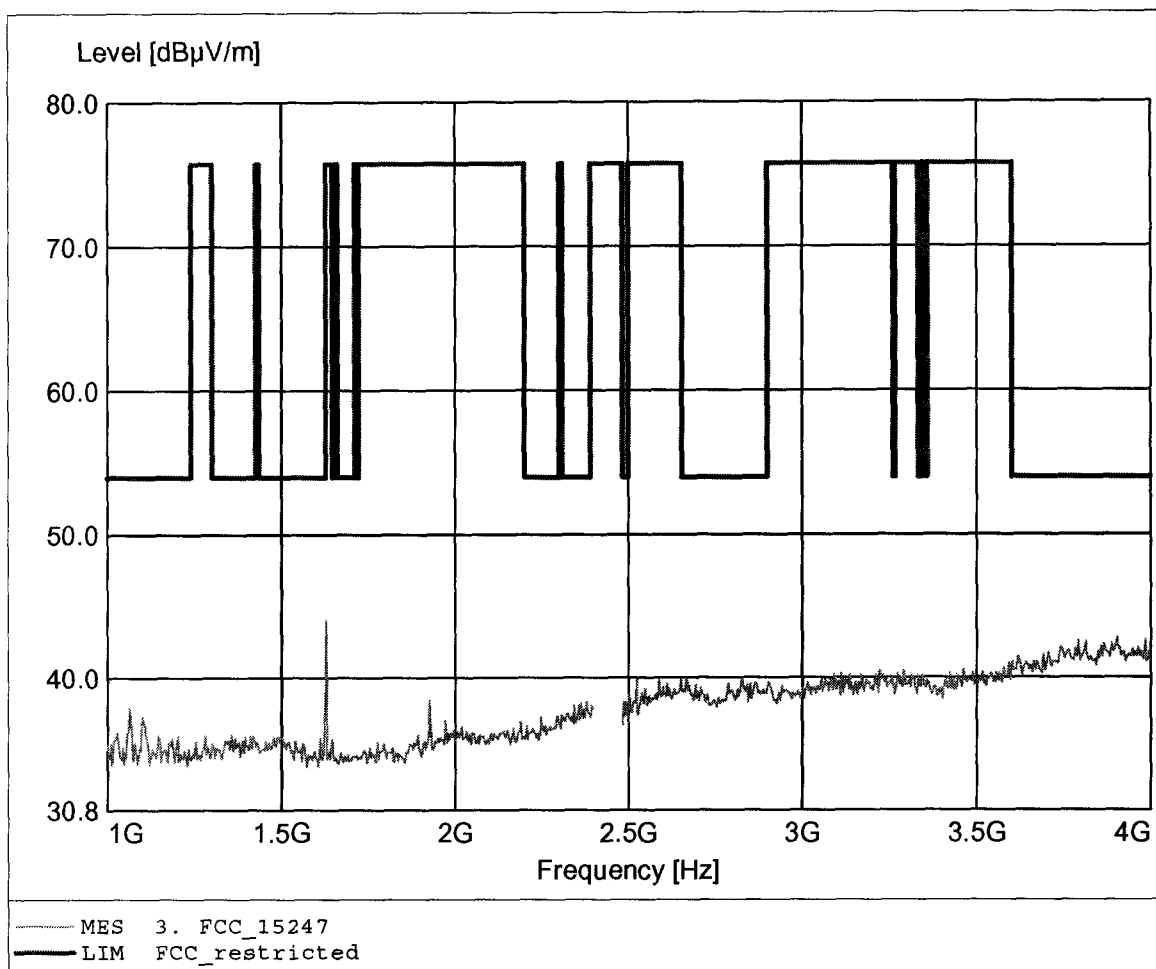
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 1.628GHz, Emax: 43.50dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

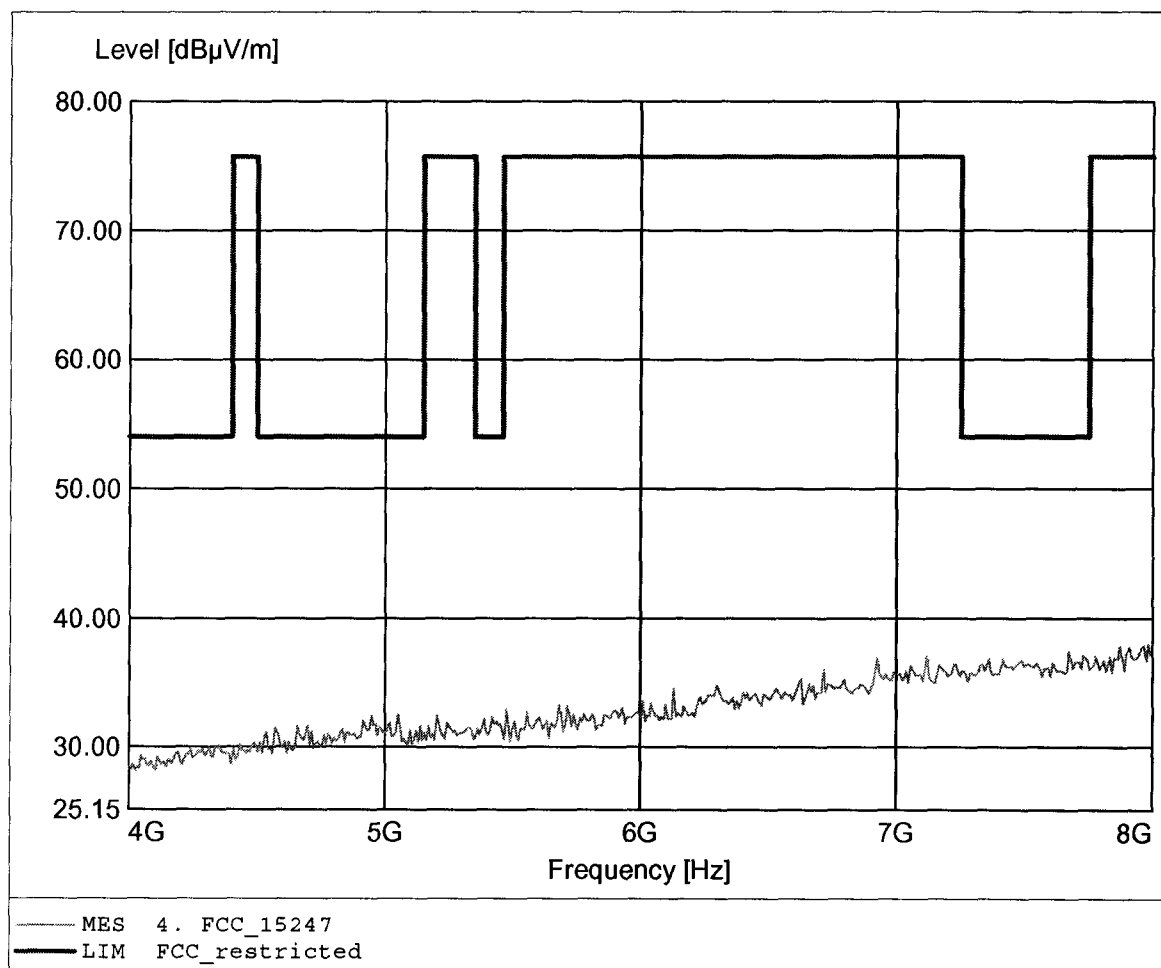
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 1.628GHz, Emax: 43.99dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

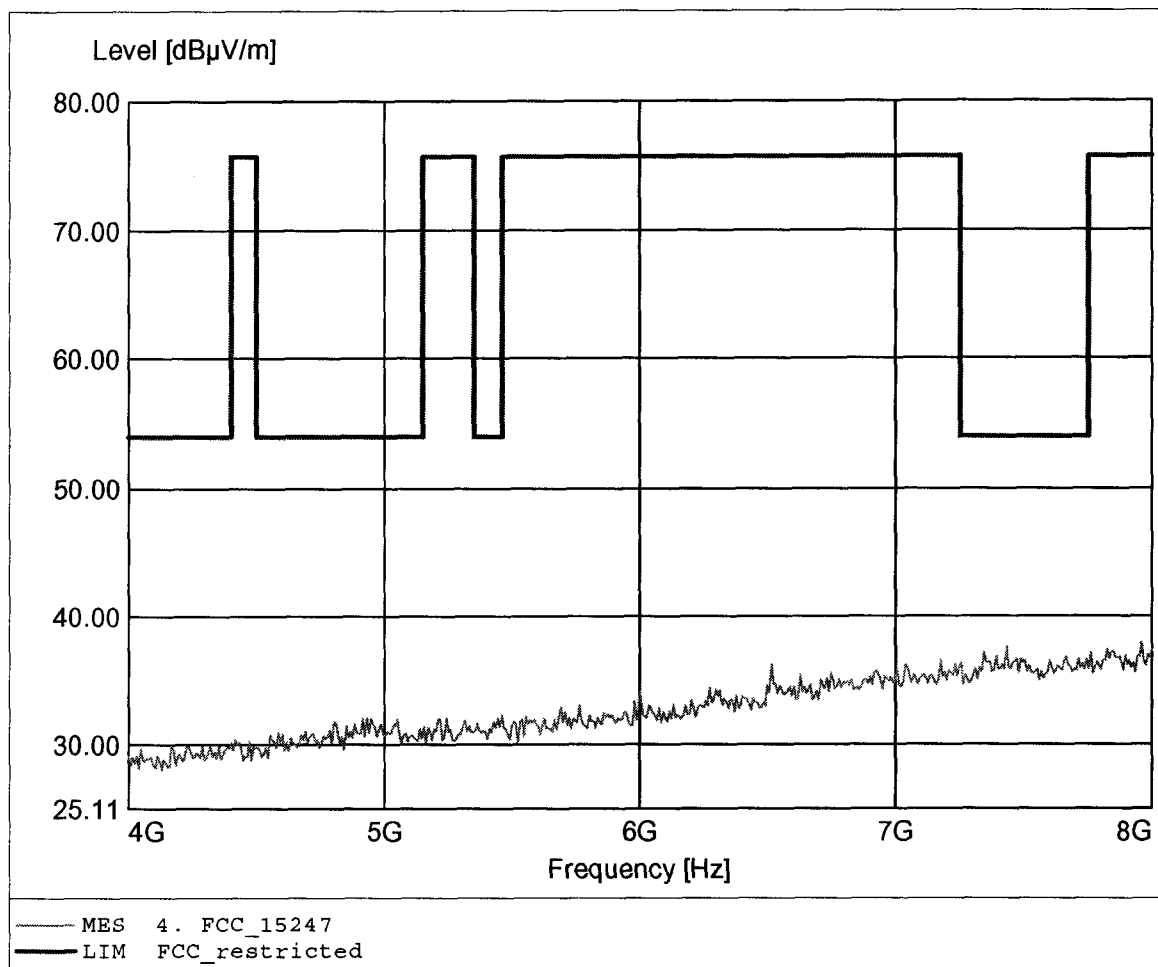
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.984GHz, Emax: 37.92dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

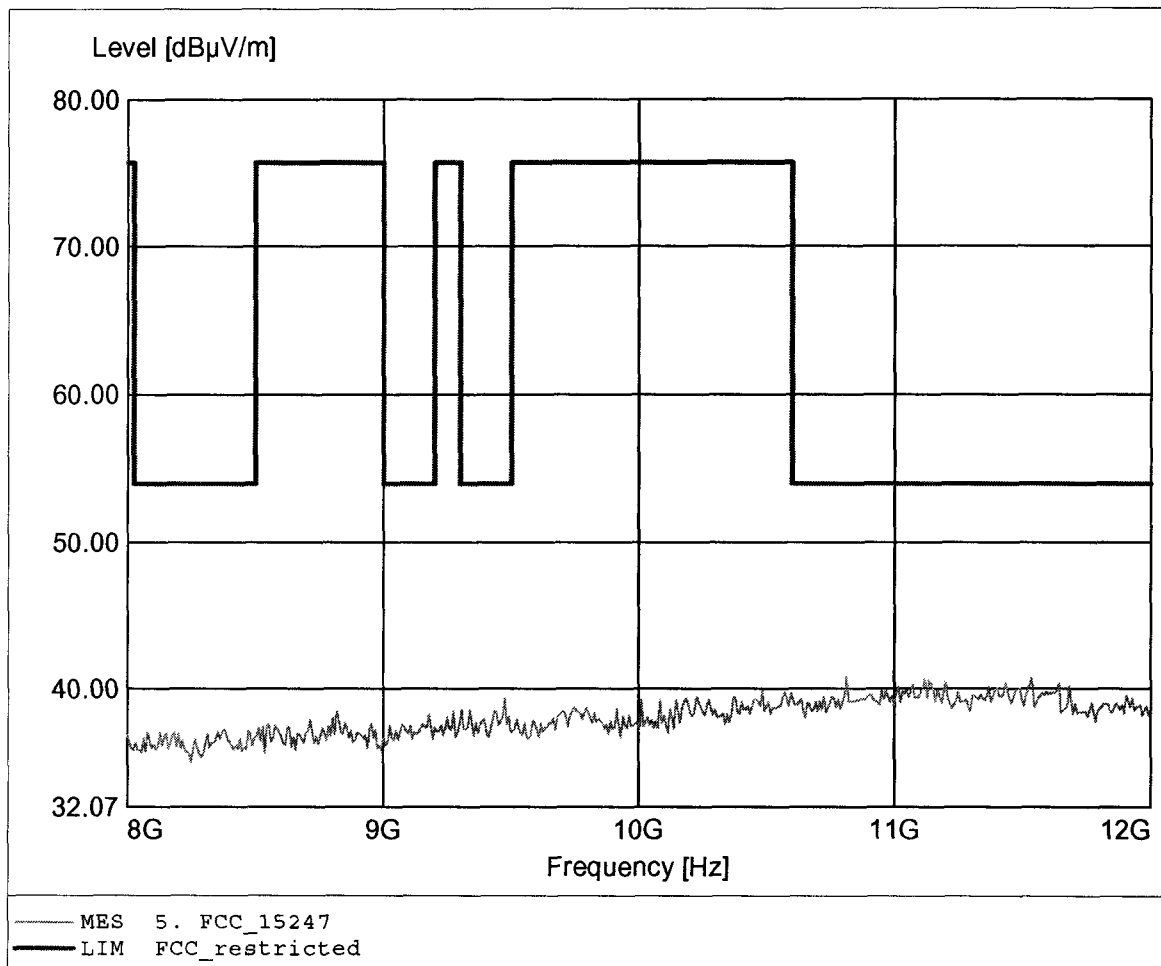
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.960GHz, Emax: 37.93dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

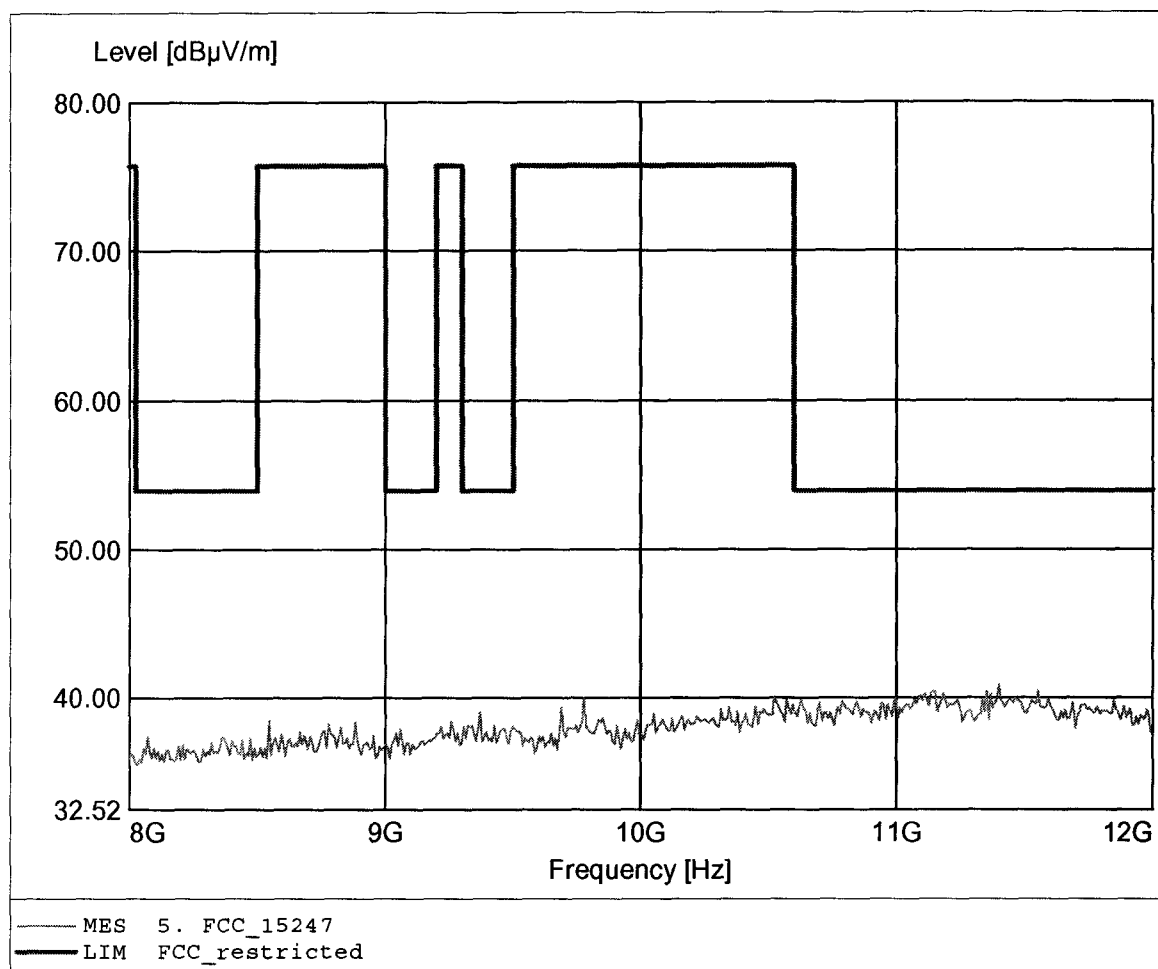
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 10.814GHz, Emax: 40.77dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

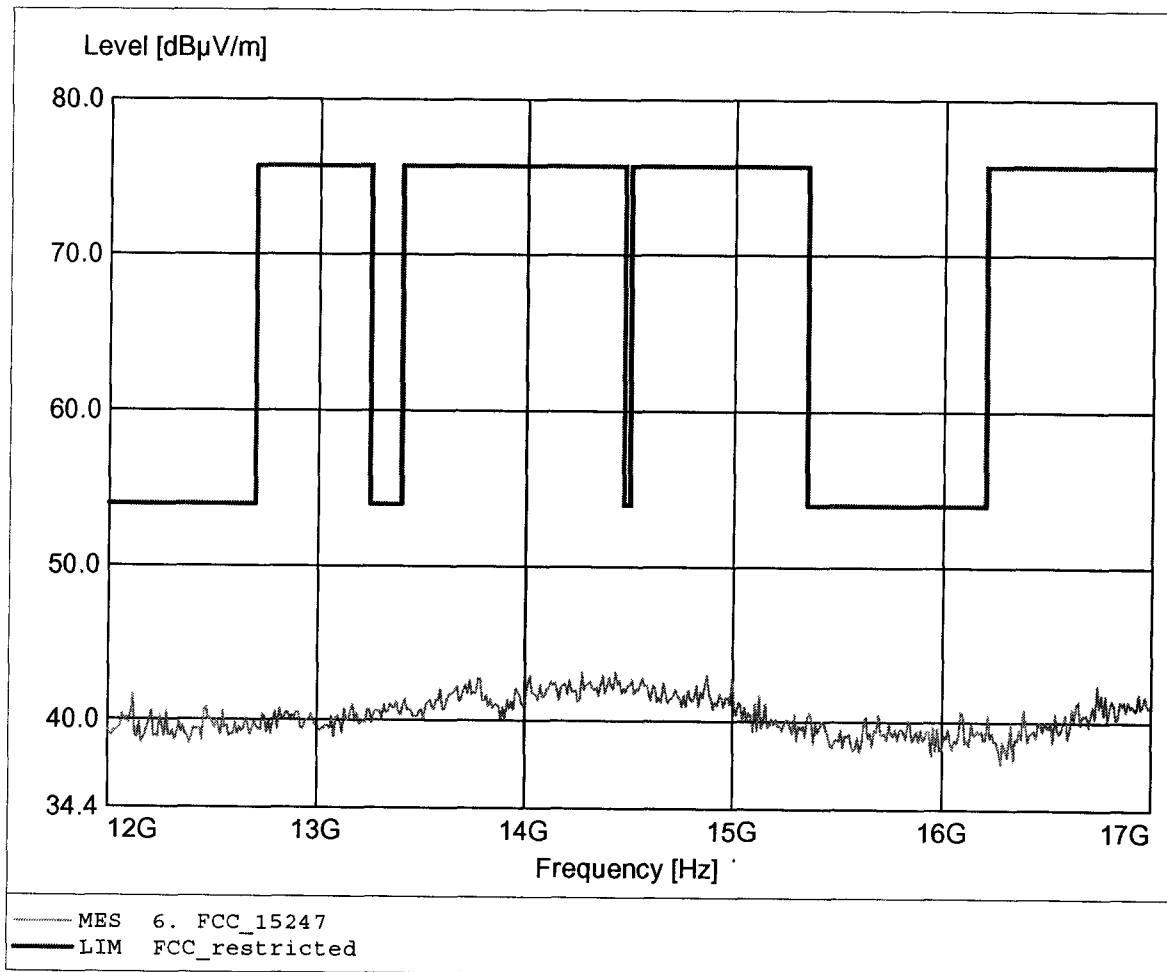
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 11.399GHz, Emax: 40.86dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

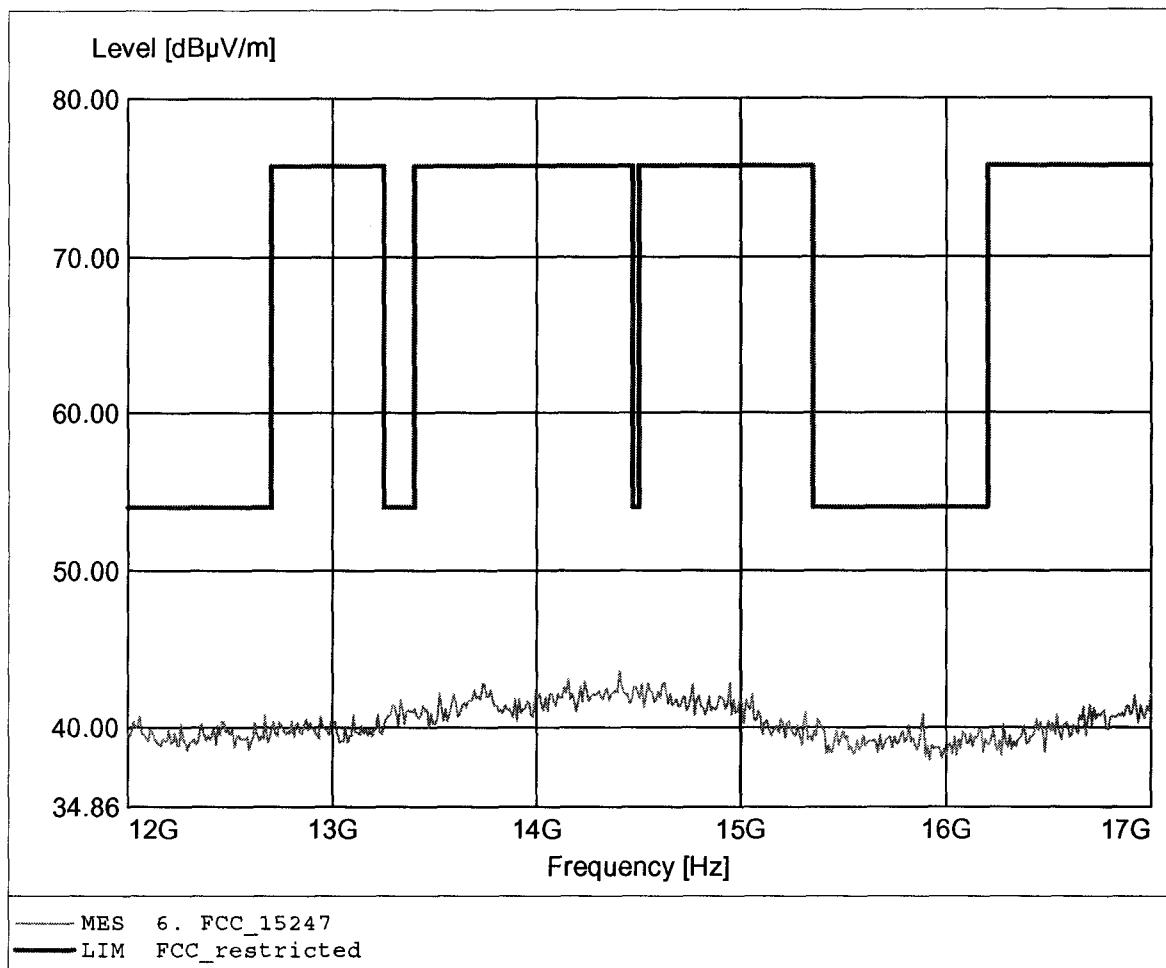
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.435GHz, Emax: 43.16dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.405GHz, Emax: 43.61dBμV/m, RBW: 1MHz

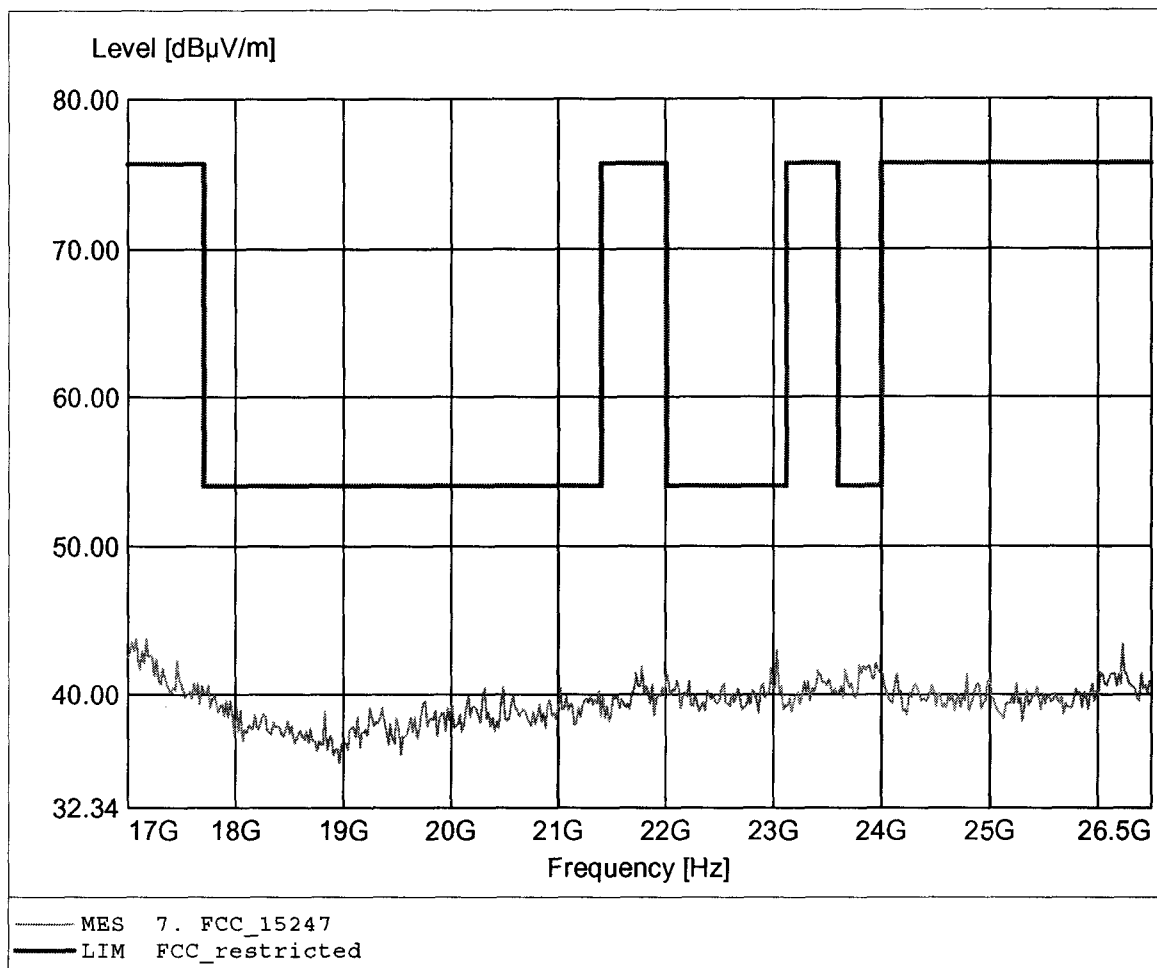




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

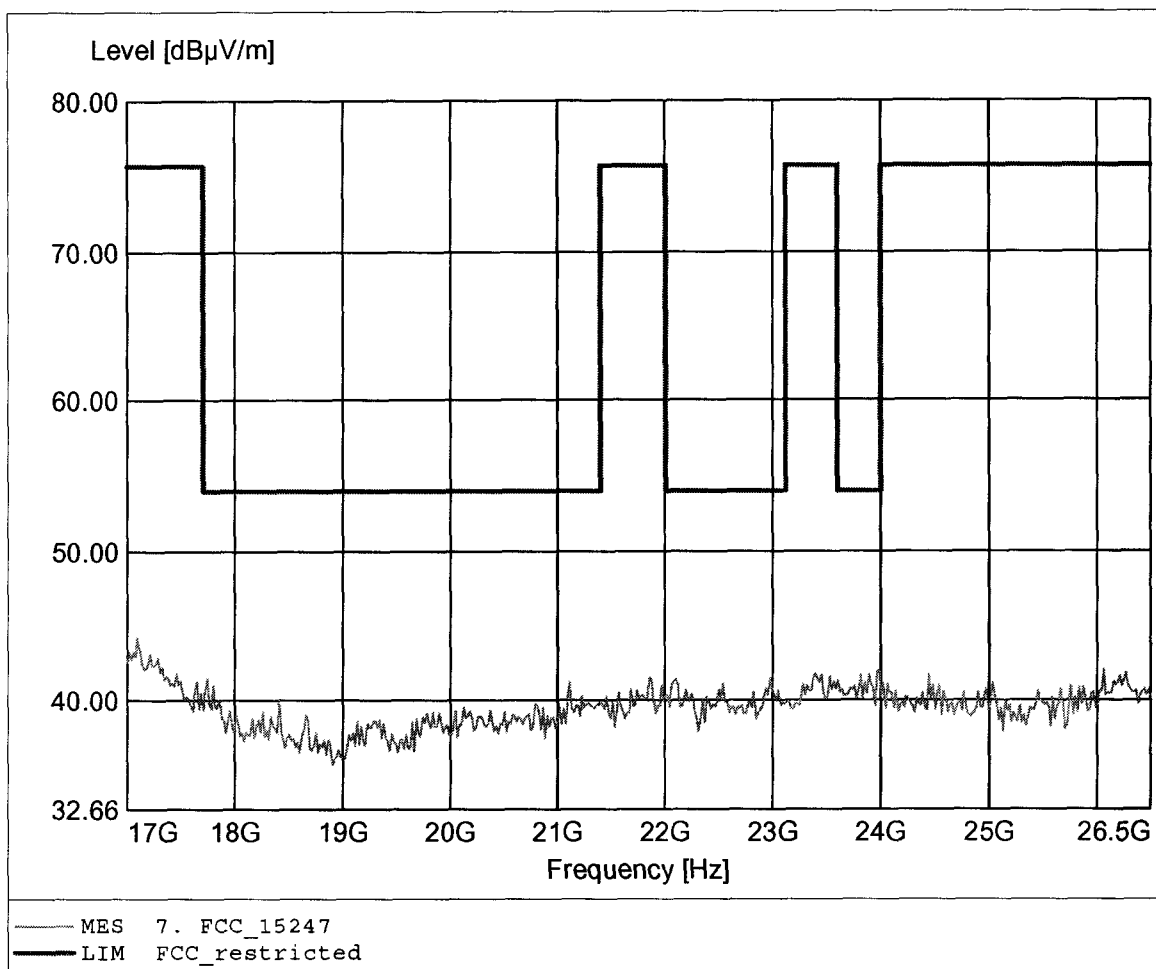
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 17.171GHz, Emax: 43.81dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

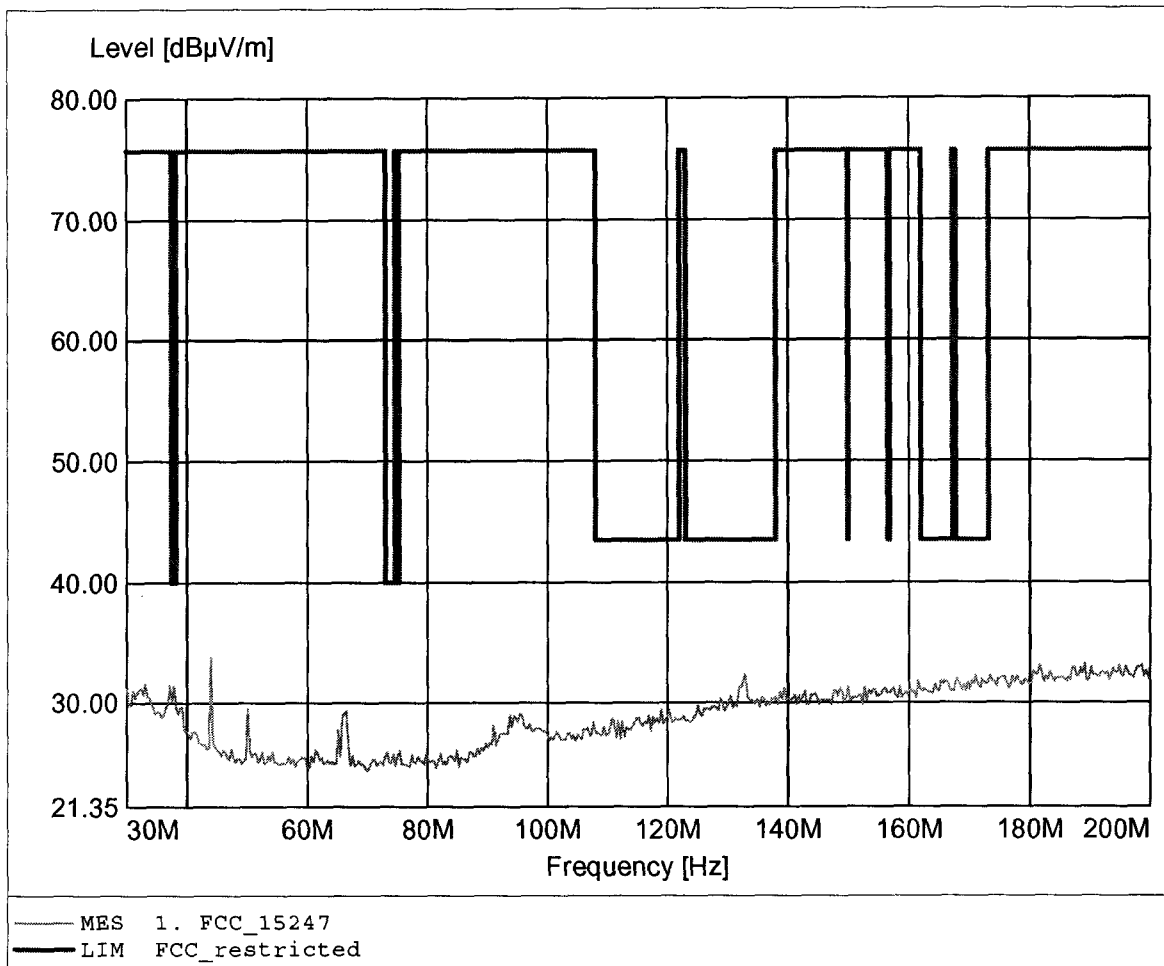
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 17.095GHz, Emax: 44.21dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

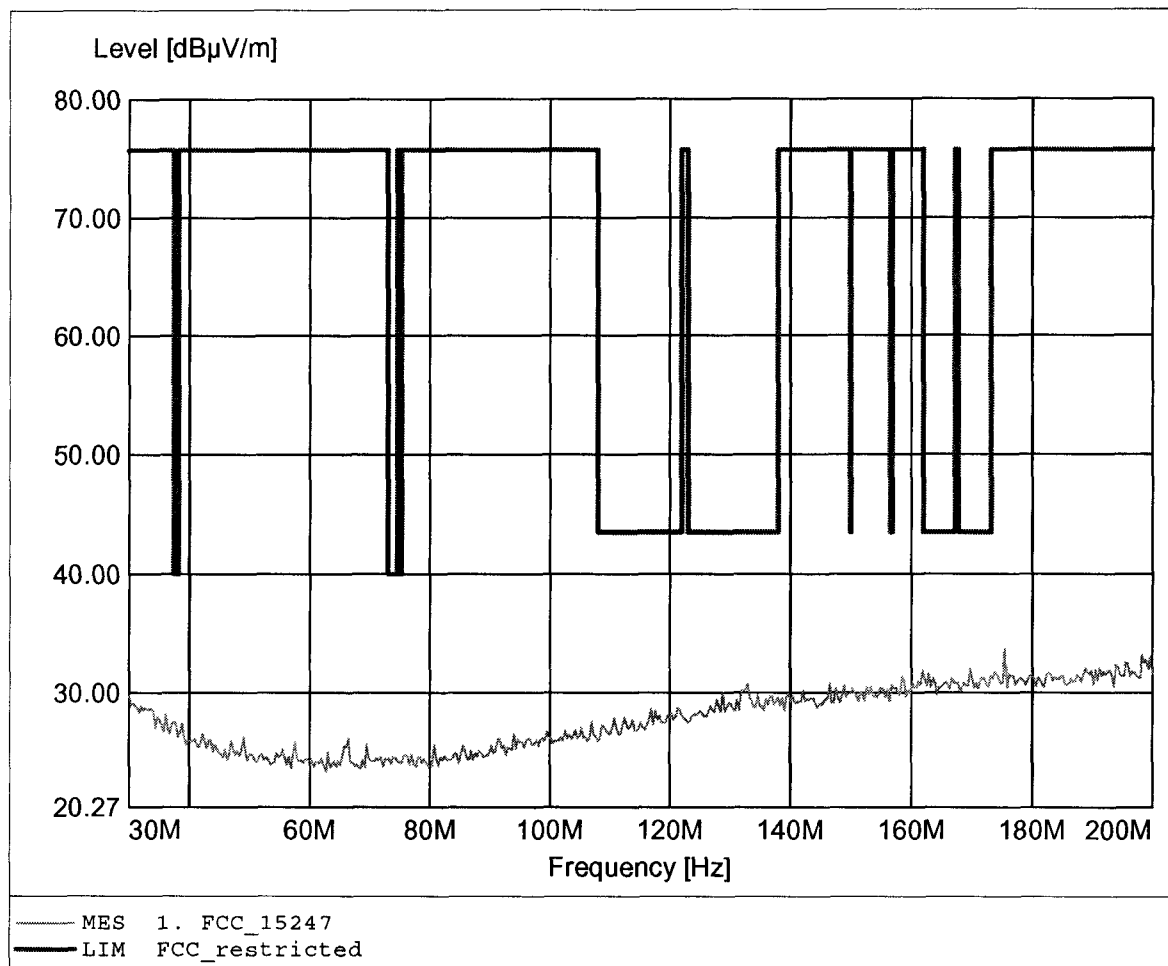
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 43.968MHz, Emax: 33.78dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

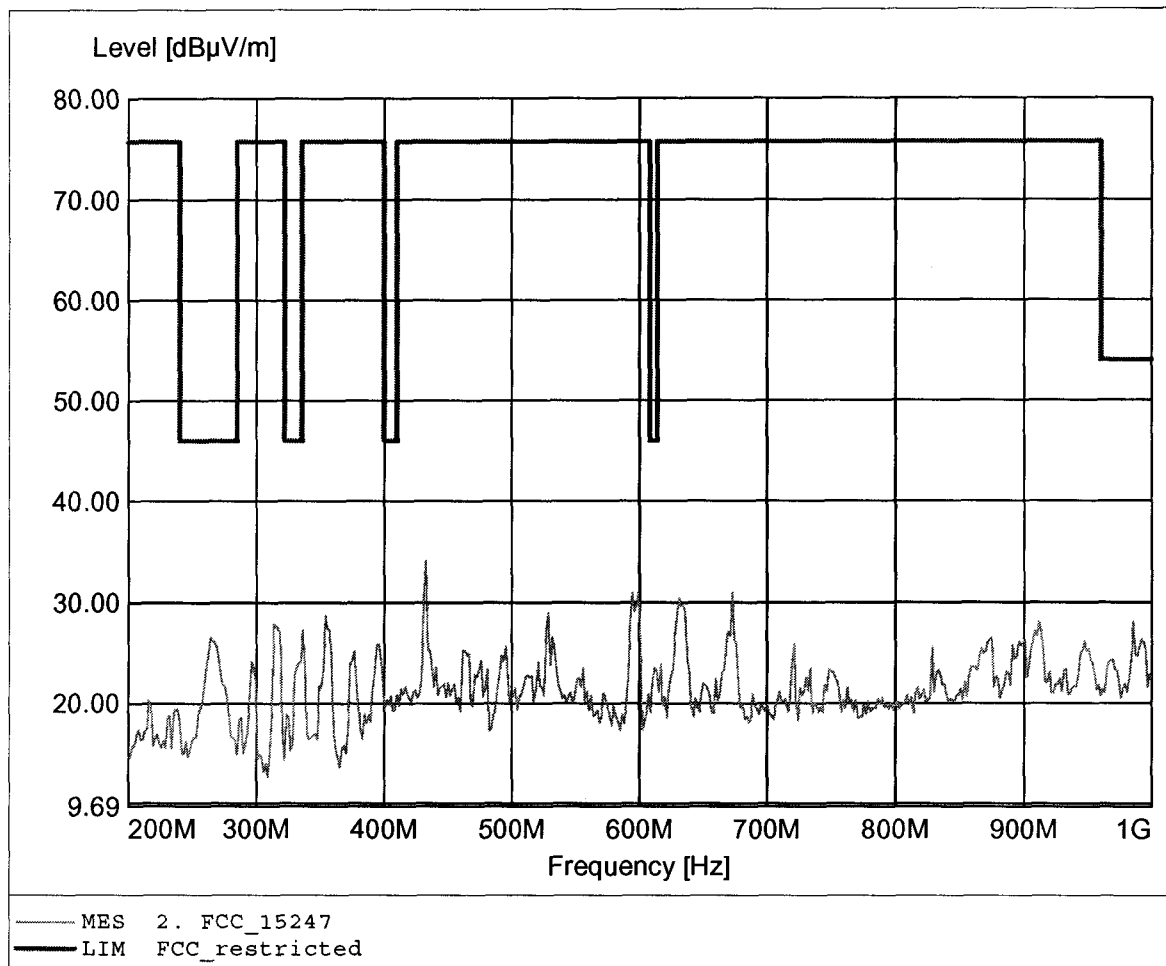
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 175.471MHz, Emax: 33.71dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

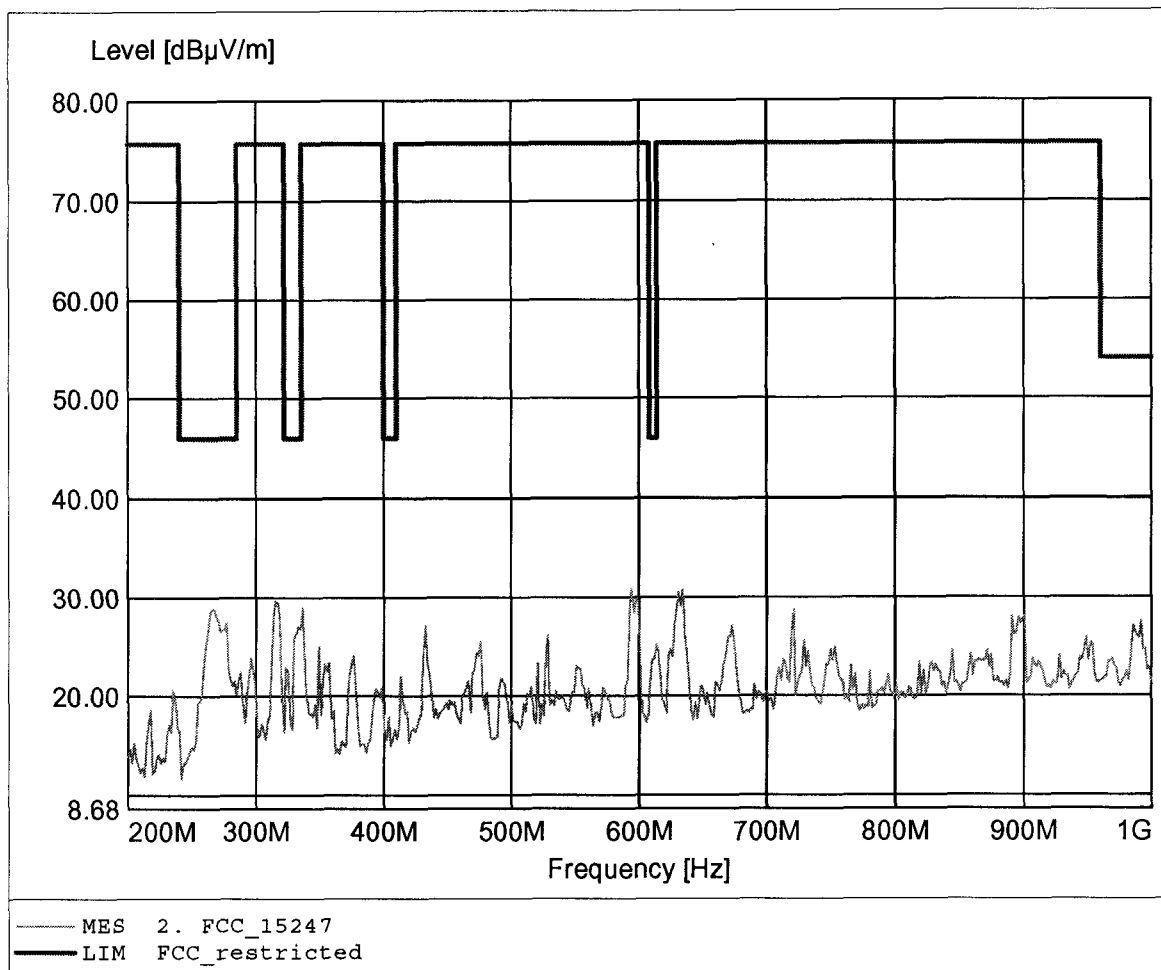
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 432.465MHz, Emax: 34.15dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

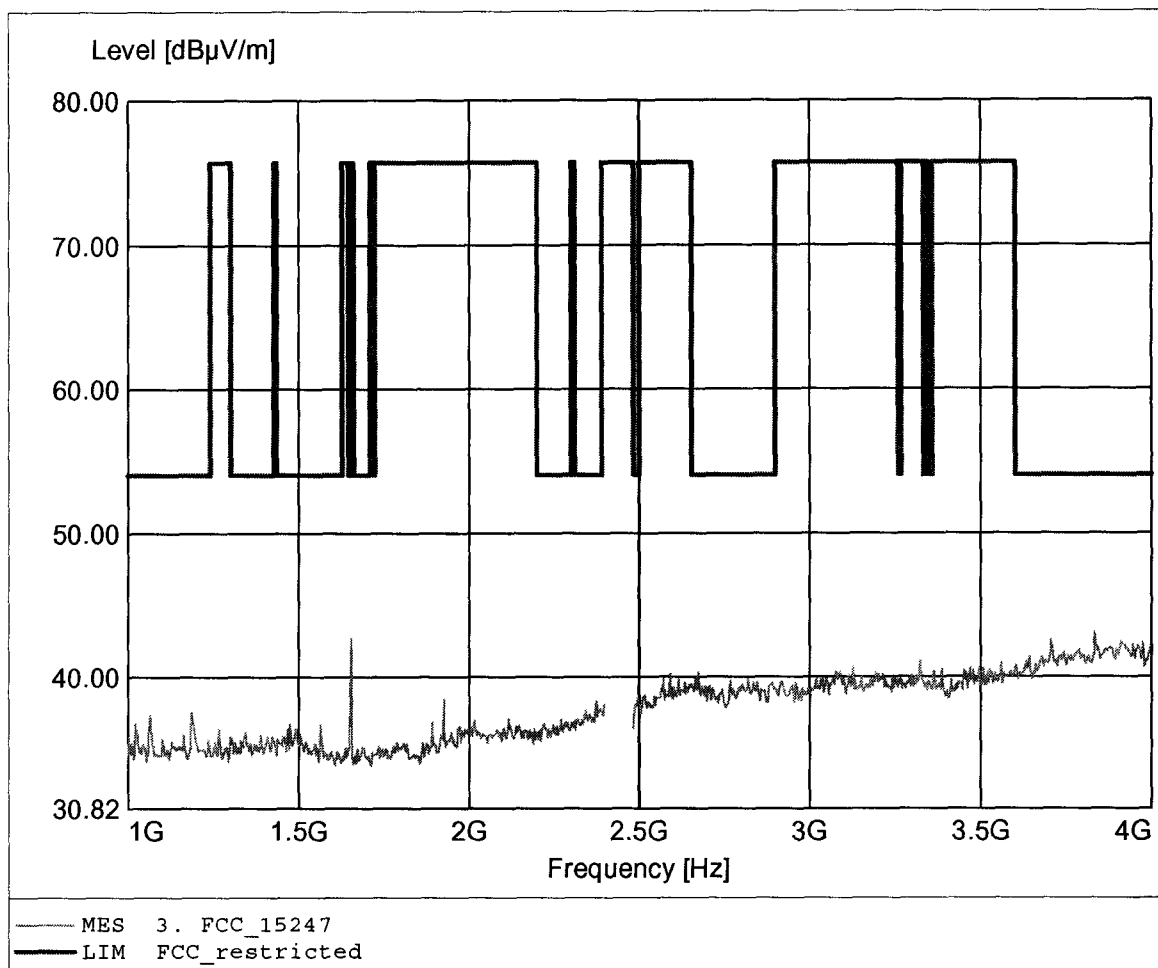
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 594.389MHz, Emax: 30.90dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

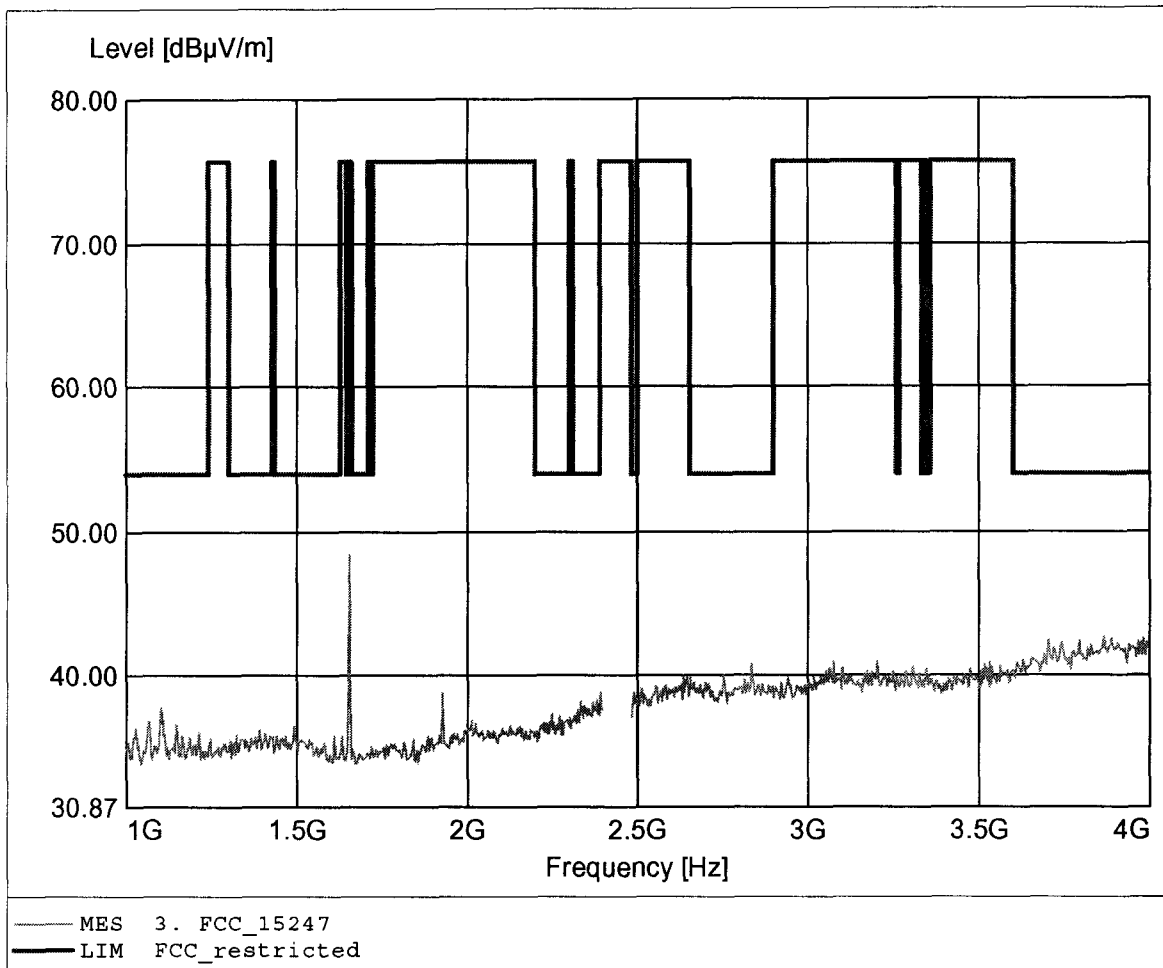
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.833GHz, Emax: 43.12dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 1.654GHz, Emax: 48.45dBμV/m, RBW: 1MHz

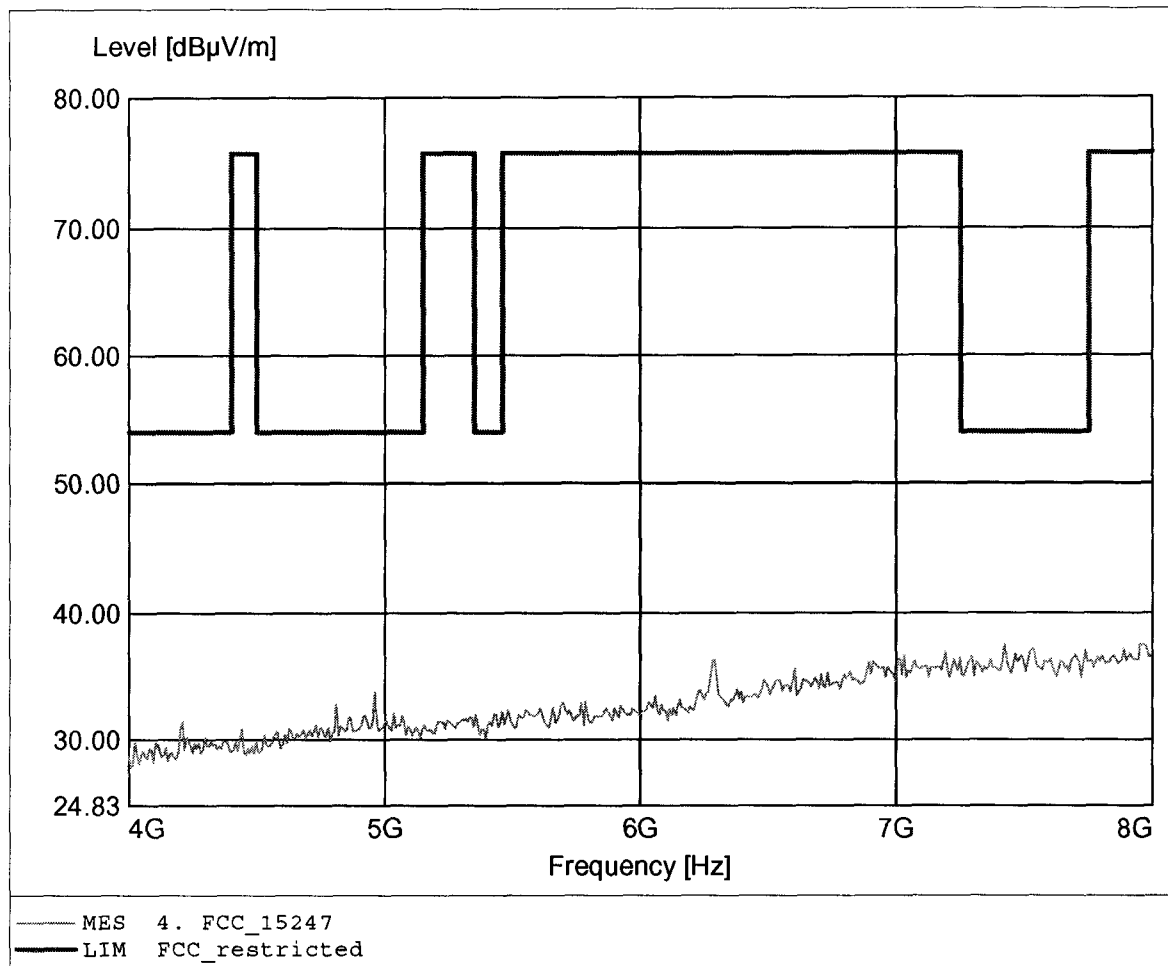




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

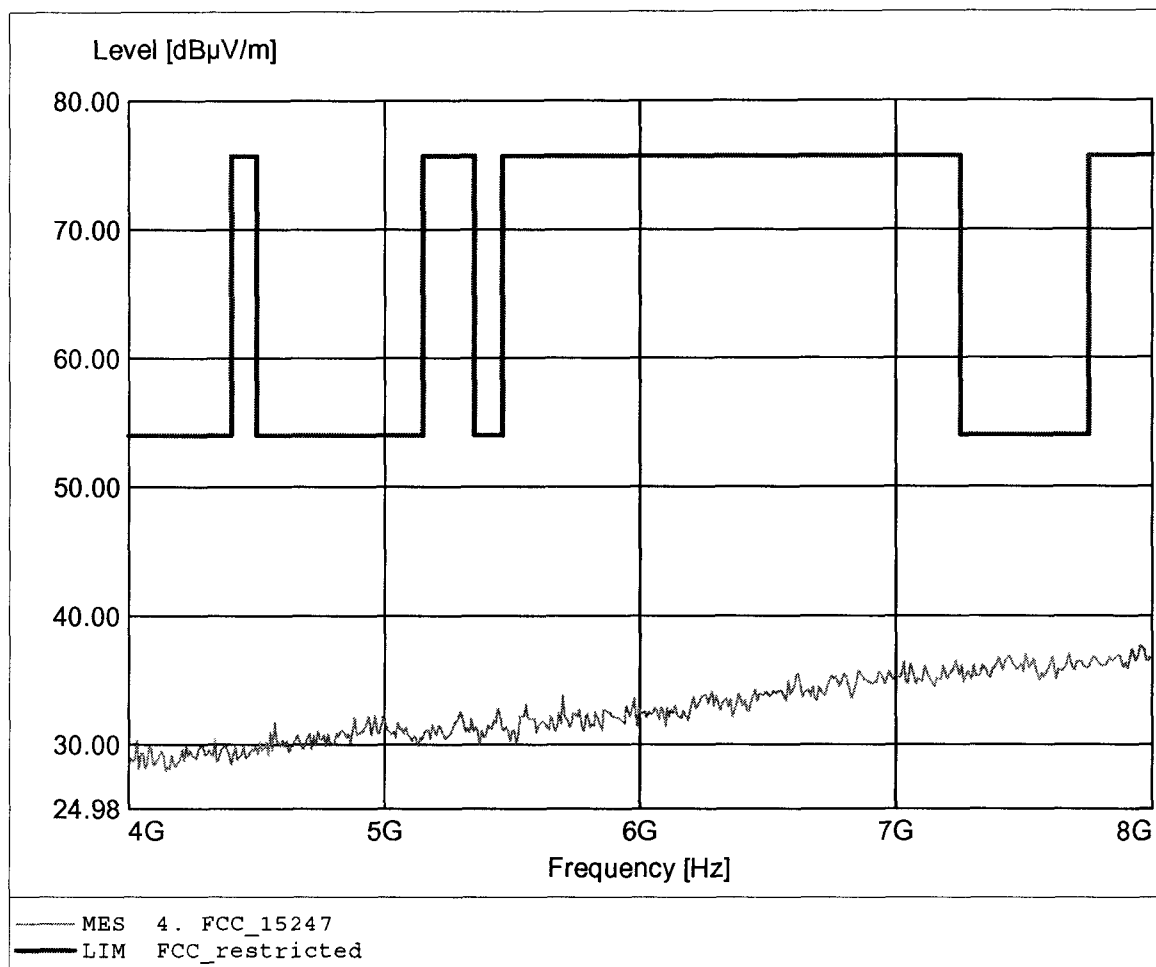
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.952GHz, Emax: 37.53dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

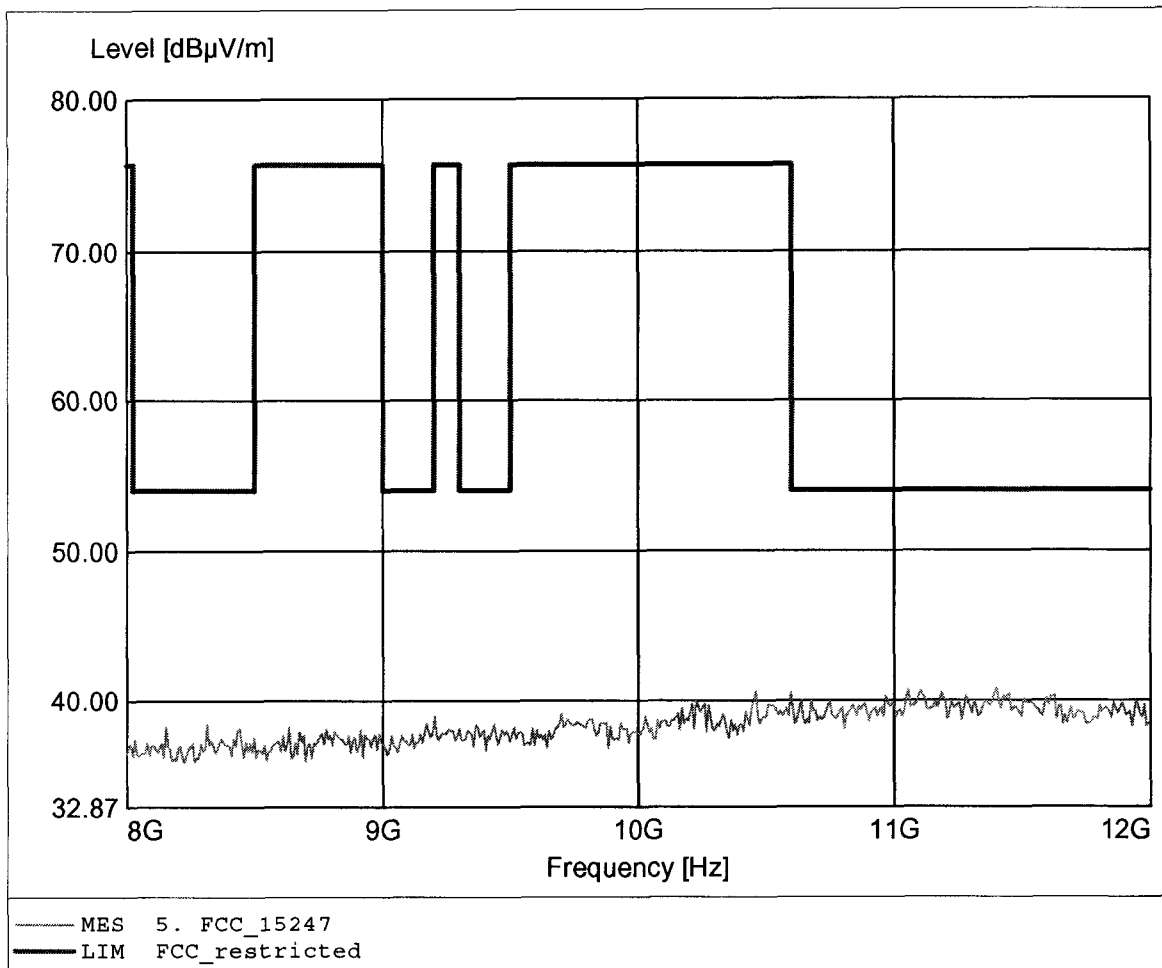
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.952GHz, Emax: 37.65dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

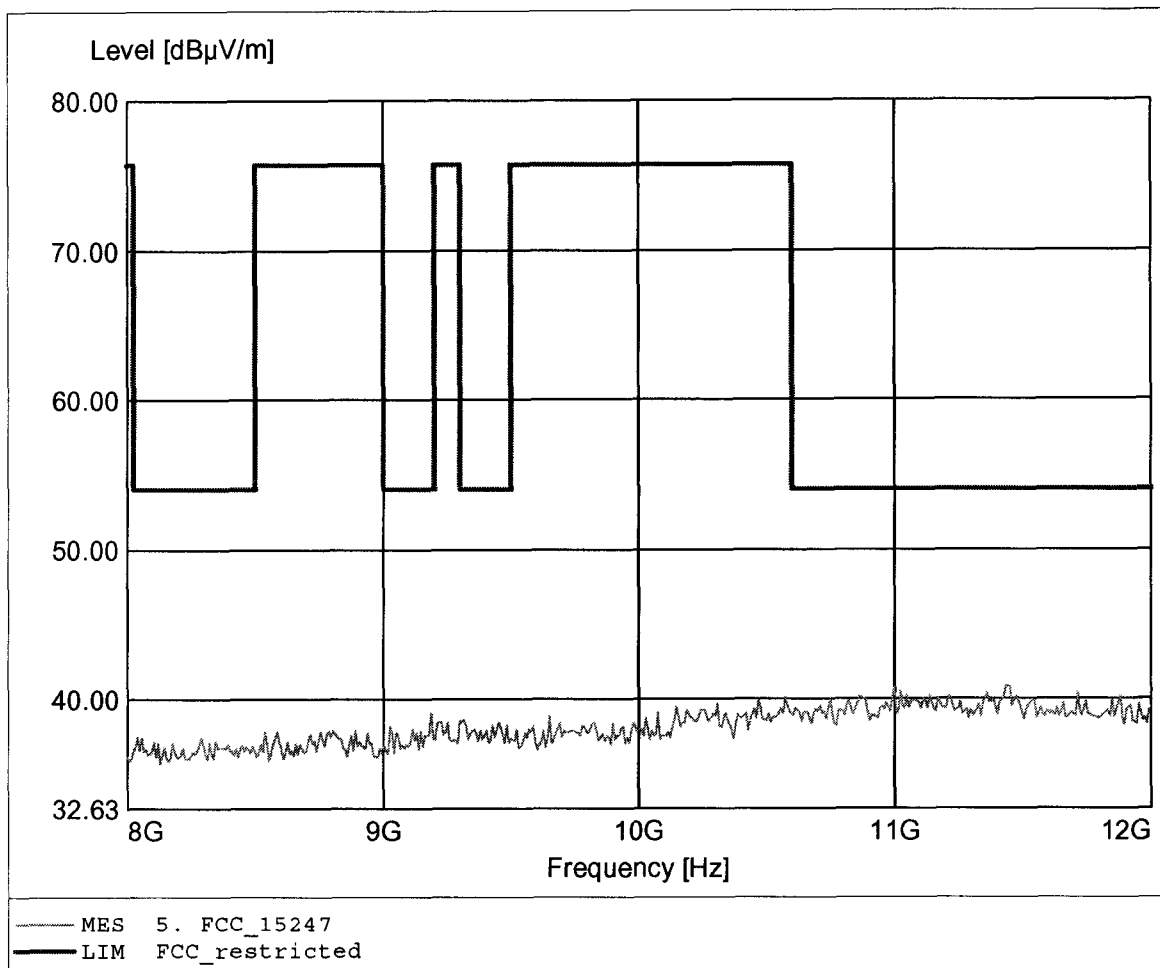
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 11.399GHz, Emax: 40.76dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

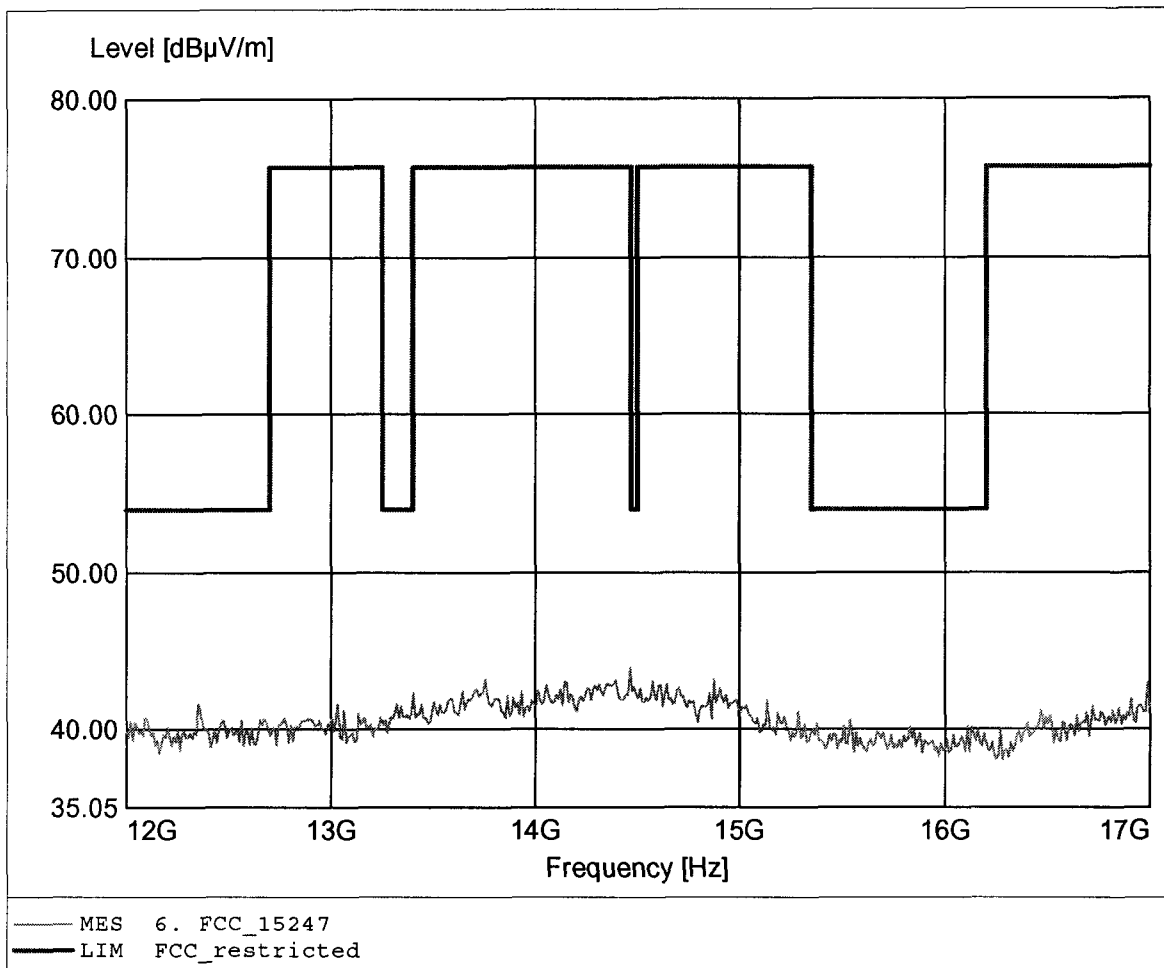
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 11.431GHz, Emax: 40.85dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

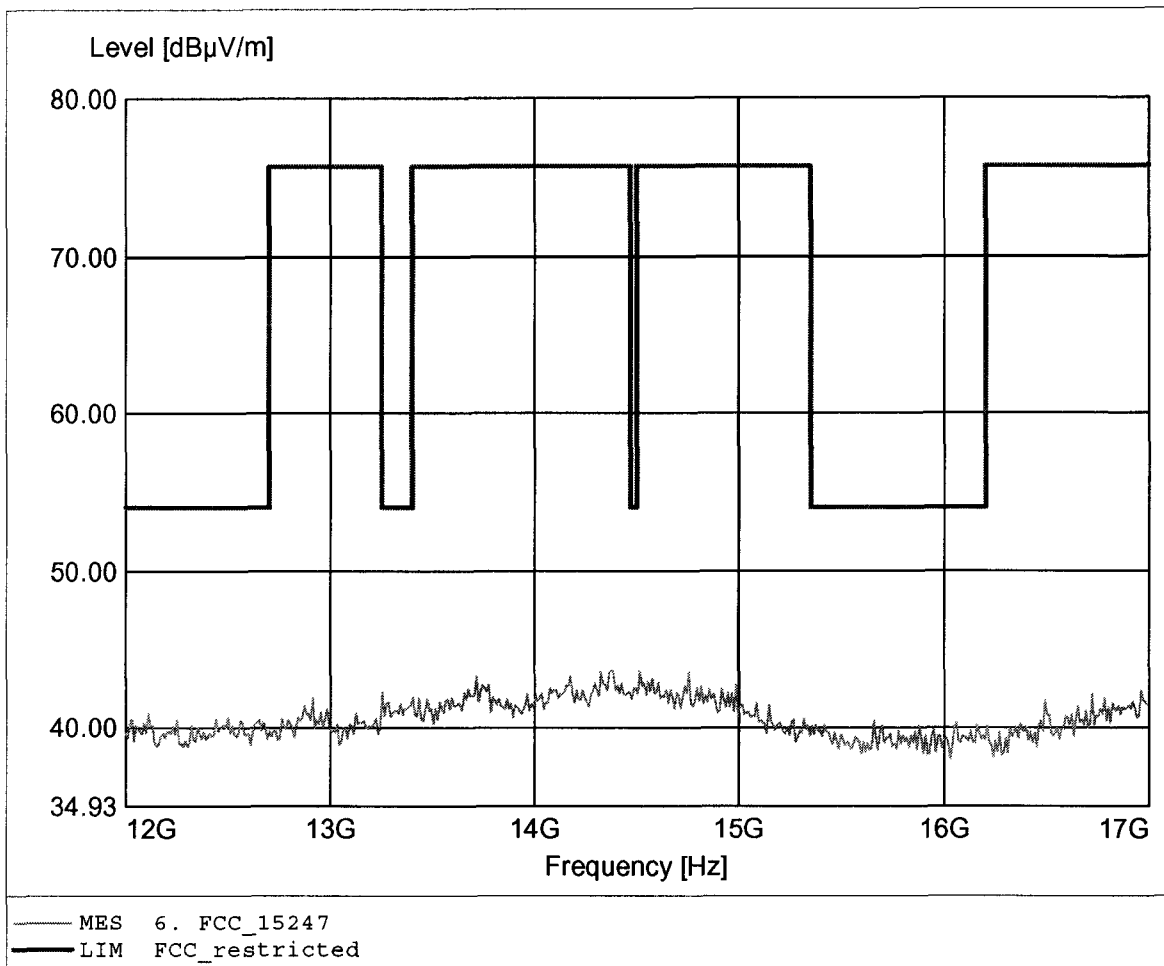
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.465GHz, Emax: 43.98dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

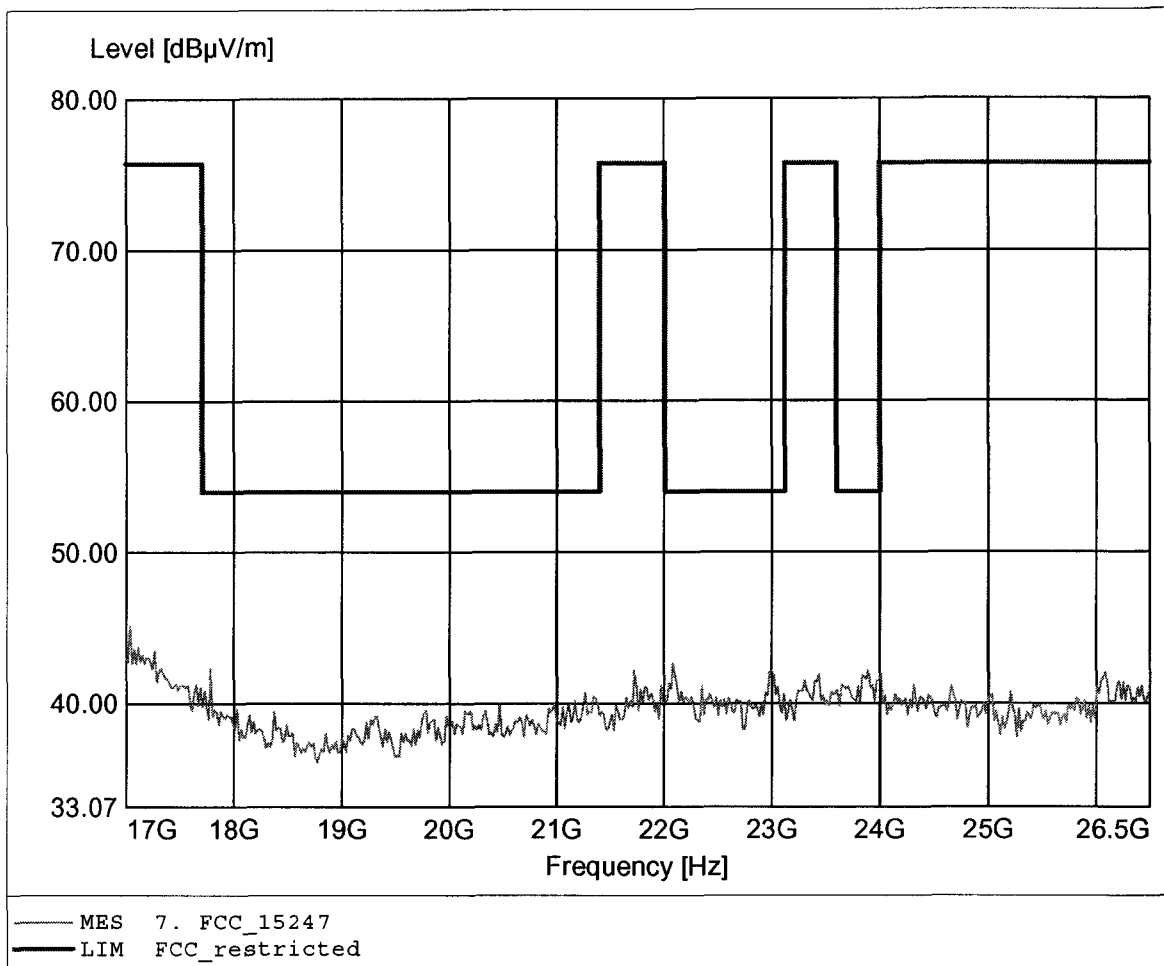
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.385GHz, Emax: 43.65dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

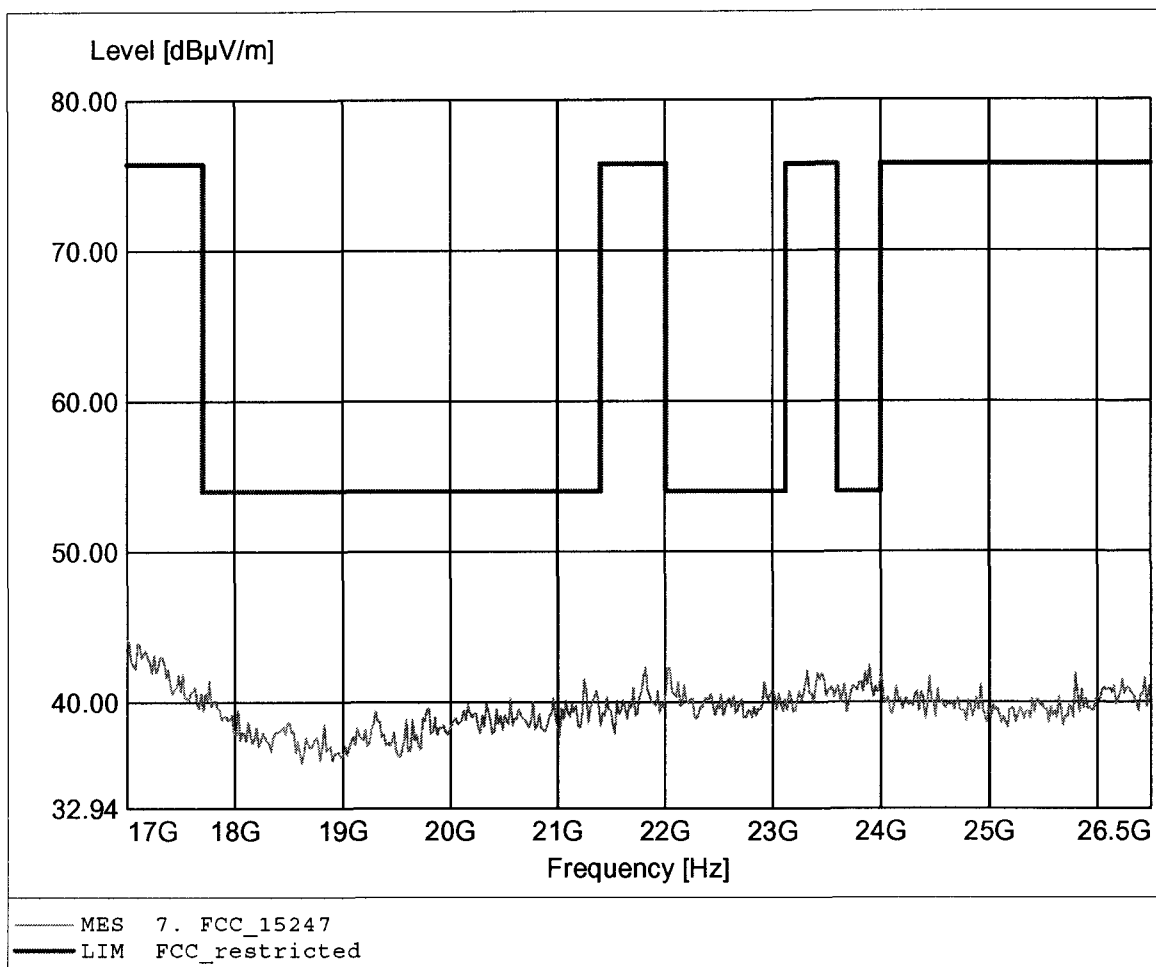
Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 17.038GHz, Emax: 45.12dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: ADC Technology, Inc.  
EUT: -  
Model: Zeal Z1 / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Temperature/ Voltage: 25°C / Unom: 3.30 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 17.000GHz, Emax: 44.16dBμV/m, RBW: 1MHz





## **Appendix D**

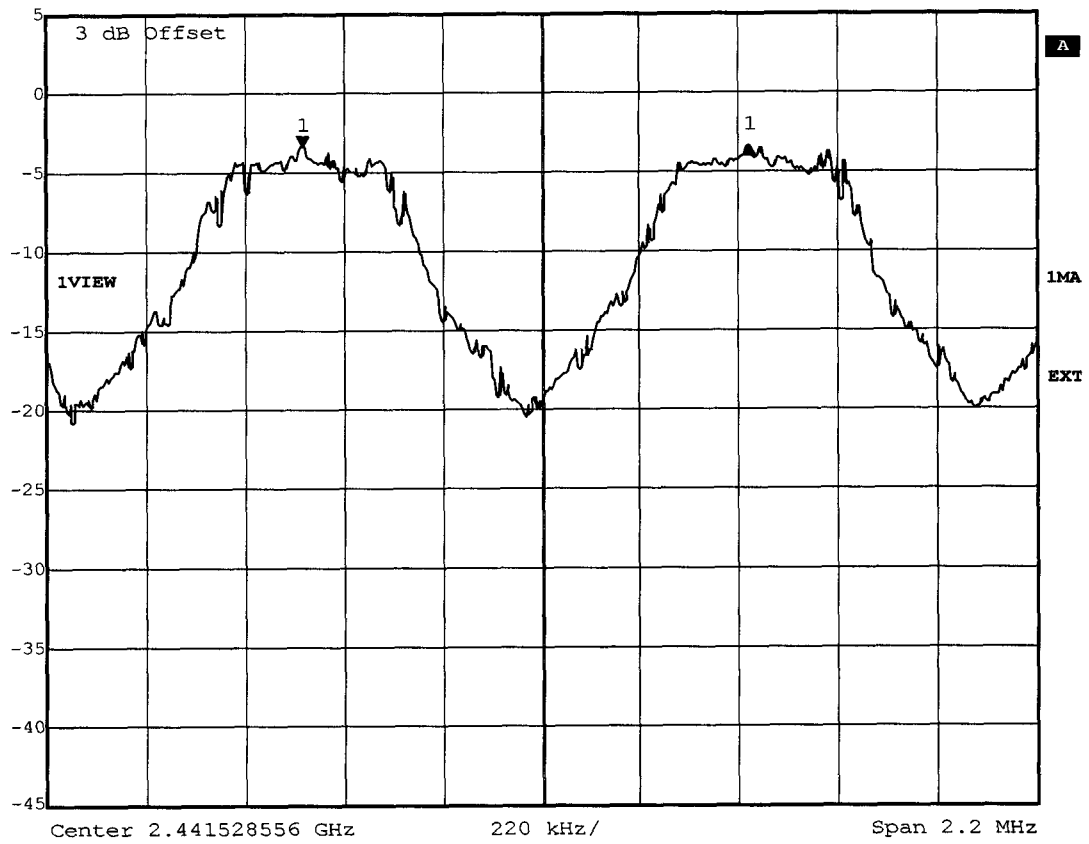
Spurious Emissions conducted - Transmitter operating

## **Appendix E**

### Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl -0.02 dB VBW 100 kHz  
5 dBm 996.39278558 kHz SWT 5 ms Unit dBm



Title: Carrier Frequency Separation  
Comment A: Z1  
Date: 17.OCT.2005 13:56:17

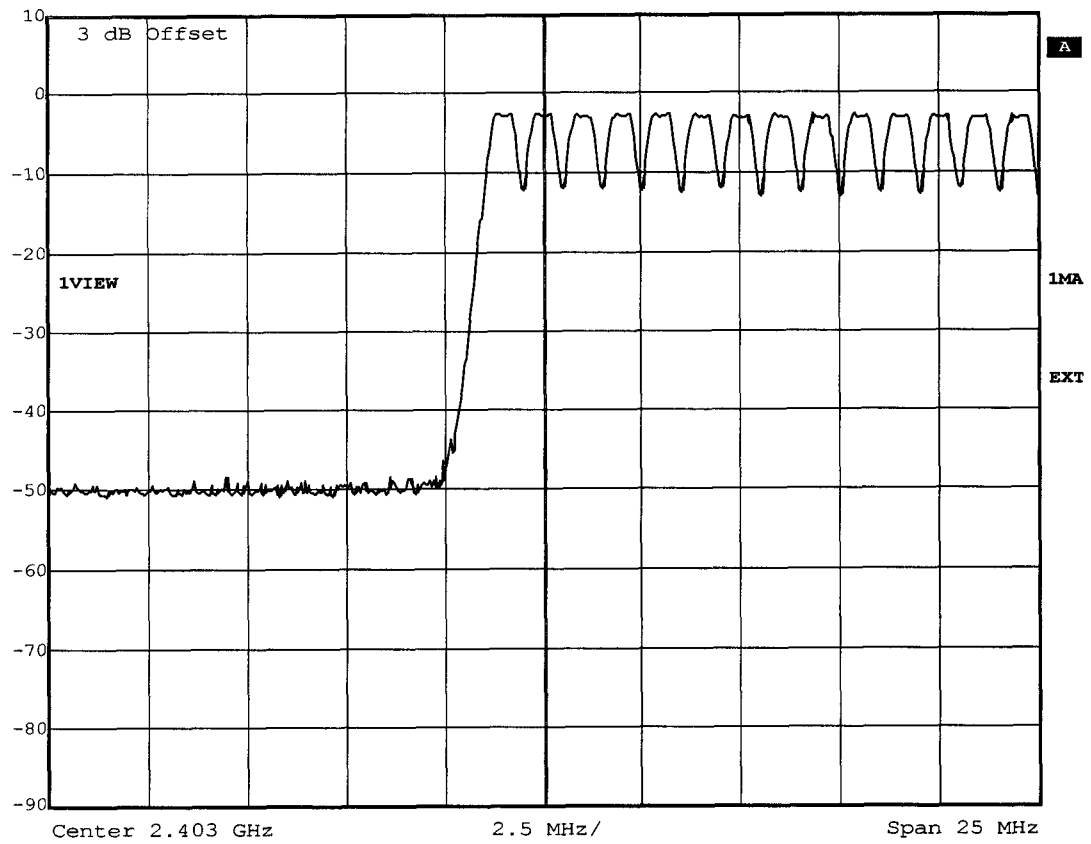
## **Appendix F**

Number of Hopping Frequencies



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm

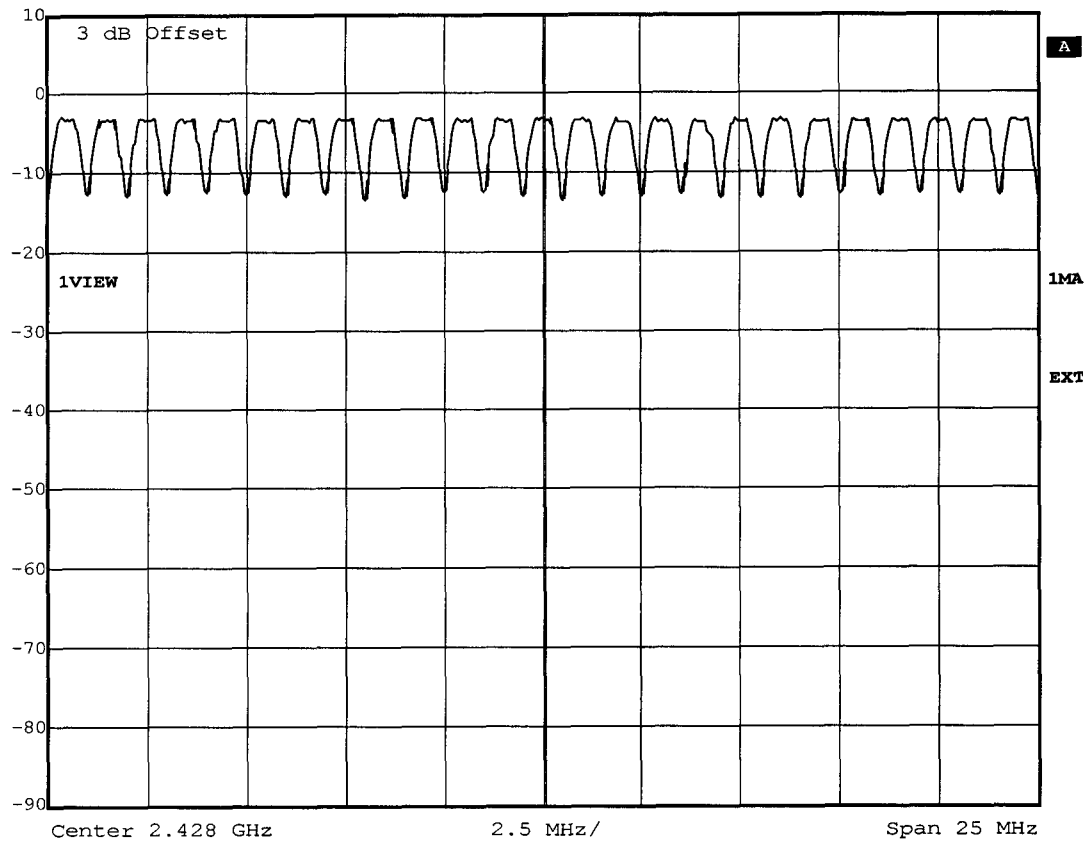


Title: Number of Hopping Frequencies Ch.: 0-13  
Comment A: Z1  
Date: 17.OCT.2005 13:59:03



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm

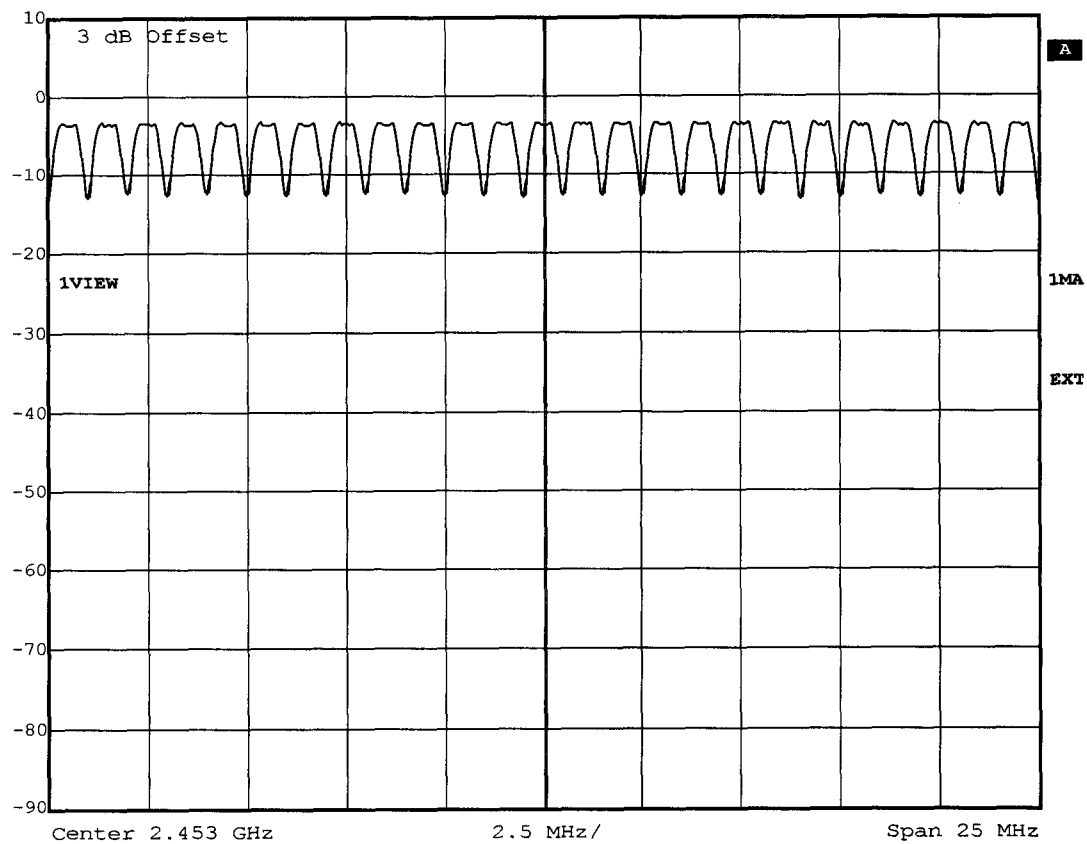


Title: Number of Hopping Frequencies Ch.: 14-38  
Comment A: Z1  
Date: 17.OCT.2005 14:00:33



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm

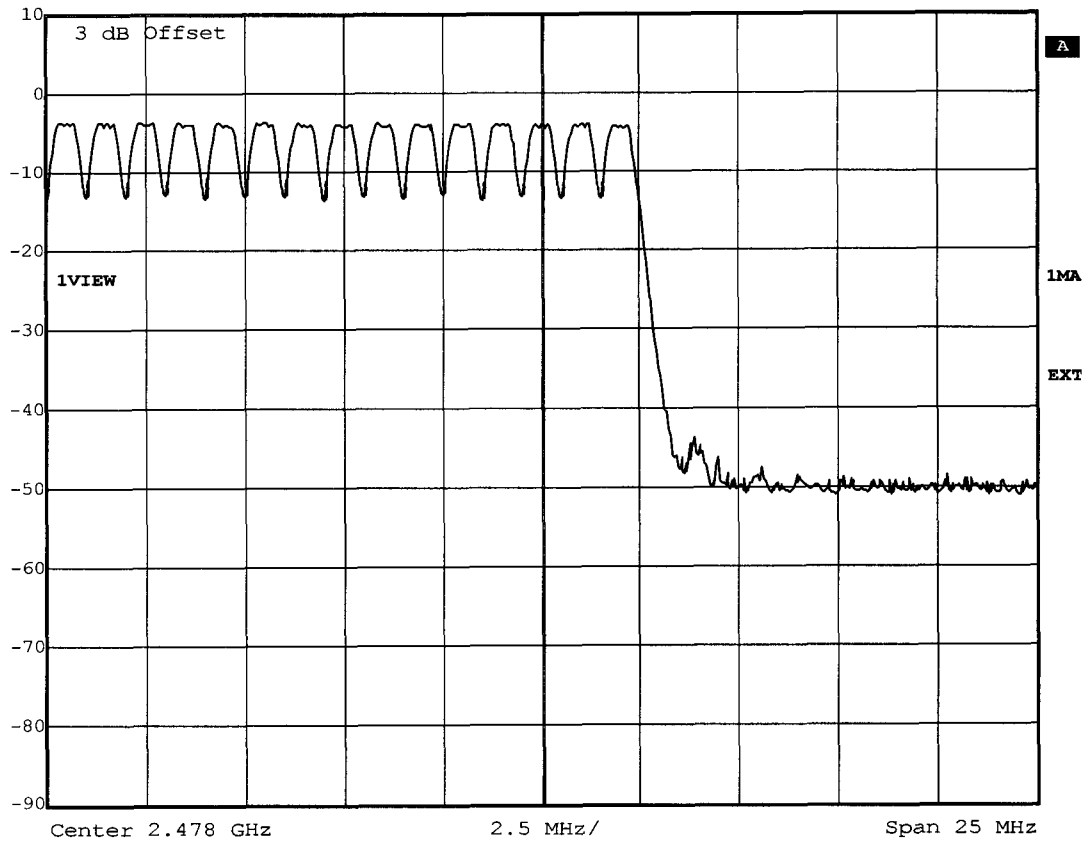


Title: Number of Hopping Frequencies Ch.: 39-63  
Comment A: Z1  
Date: 17.OCT.2005 14:04:46



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm



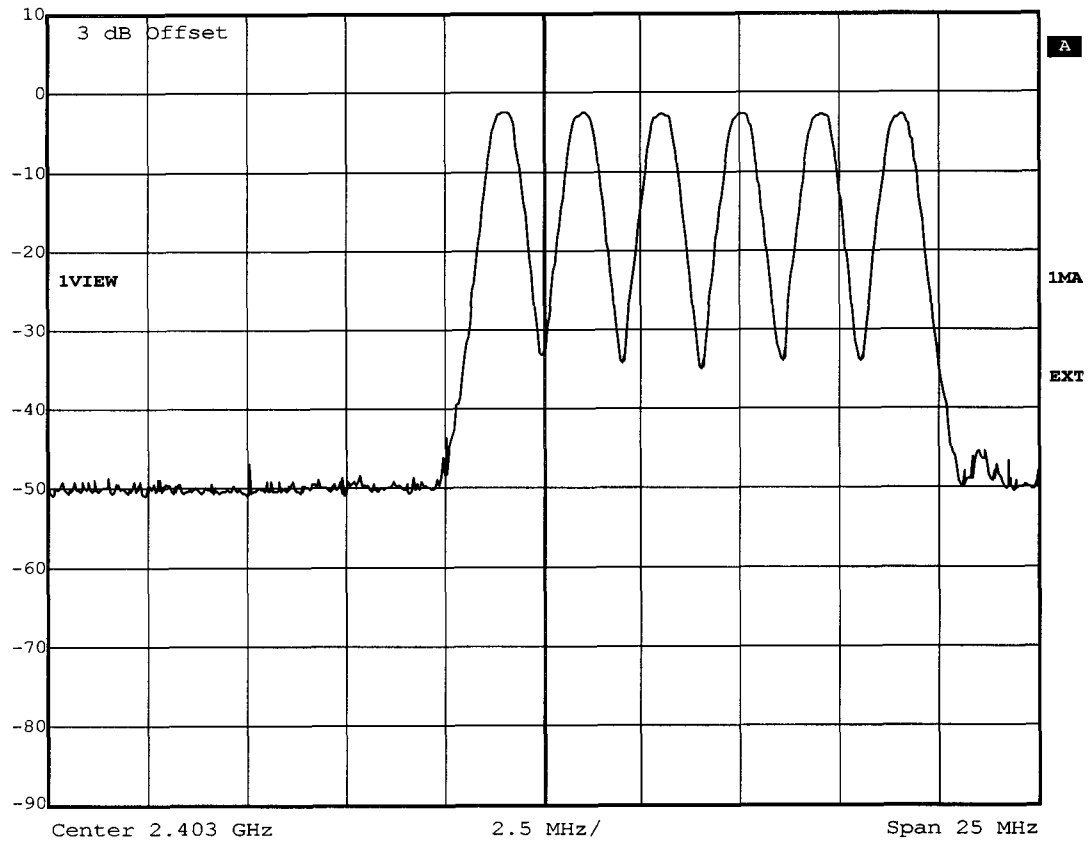
Title: Number of Hopping Frequencies Ch.: 64-78  
Comment A: Z1  
Date: 17.OCT.2005 14:07:12





Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm

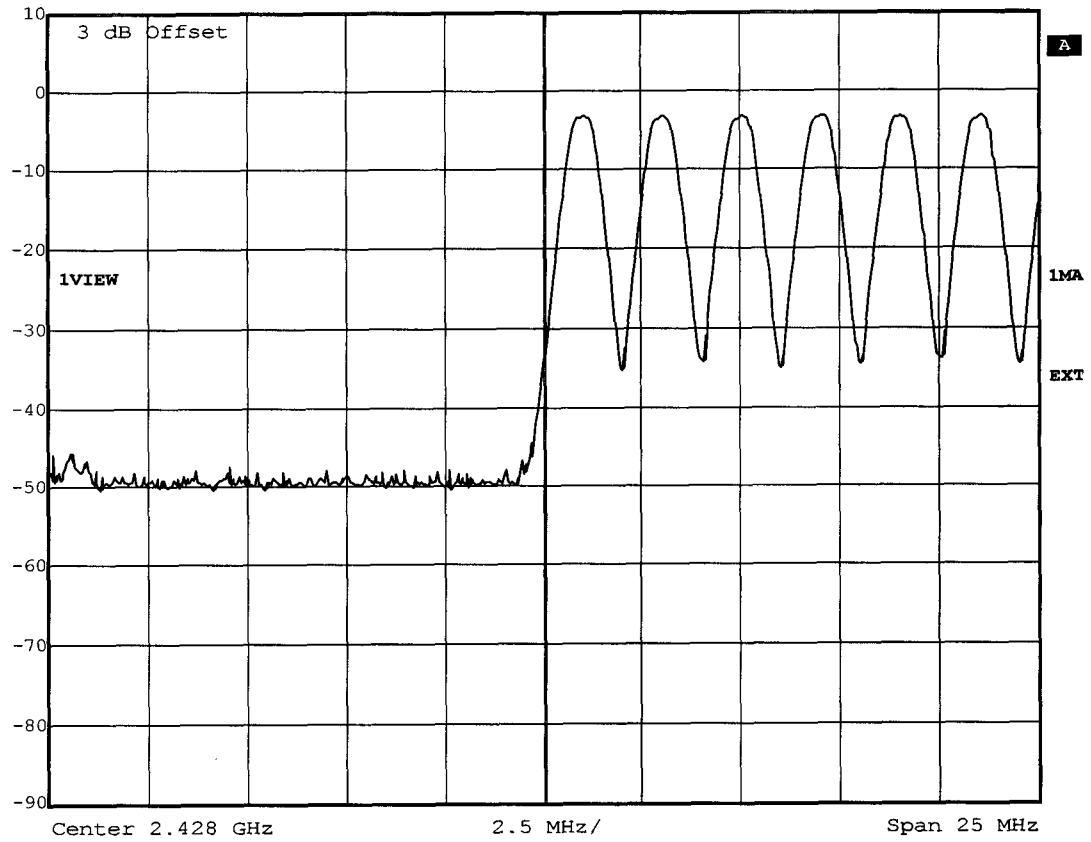


Title: Number of Hopping Frequencies (Master Inquiry Mode)  
Comment A: Z1  
Date: 17.OCT.2005 15:08:27



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm

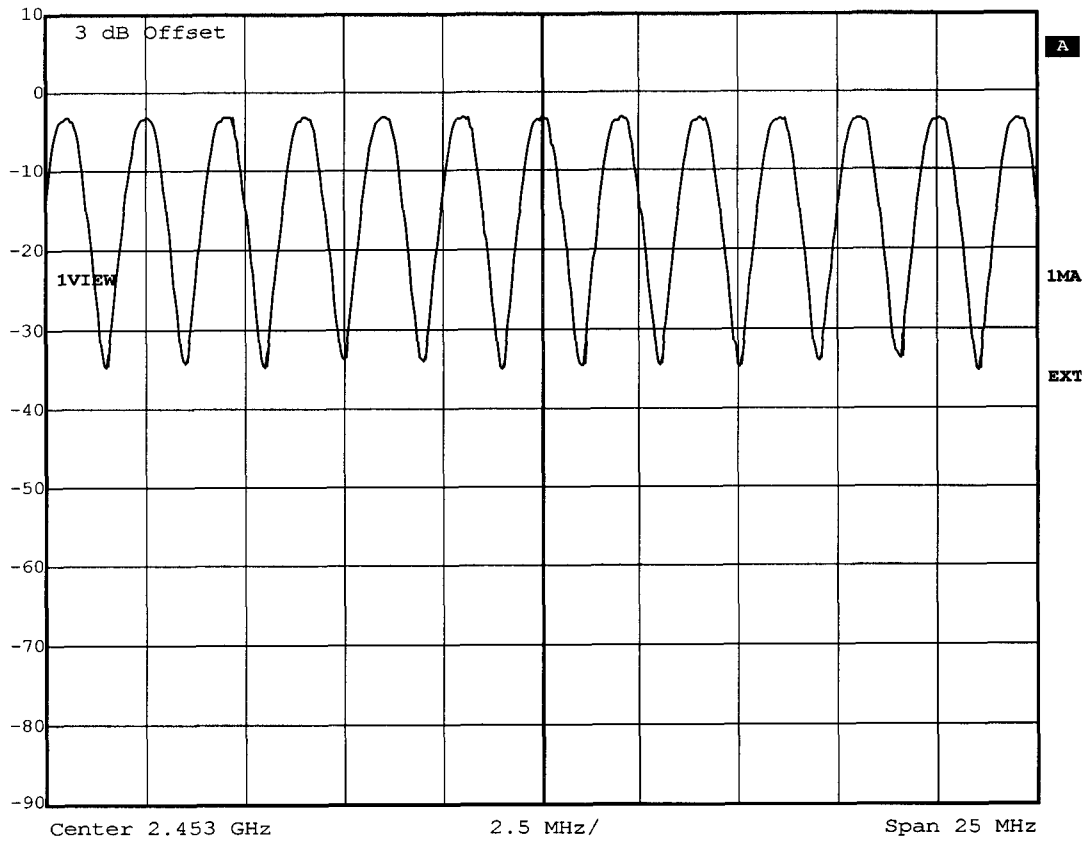


Title: Number of Hopping Frequencies (Master Inquiry Mode)  
Comment A: Z1  
Date: 17.OCT.2005 15:12:15



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm

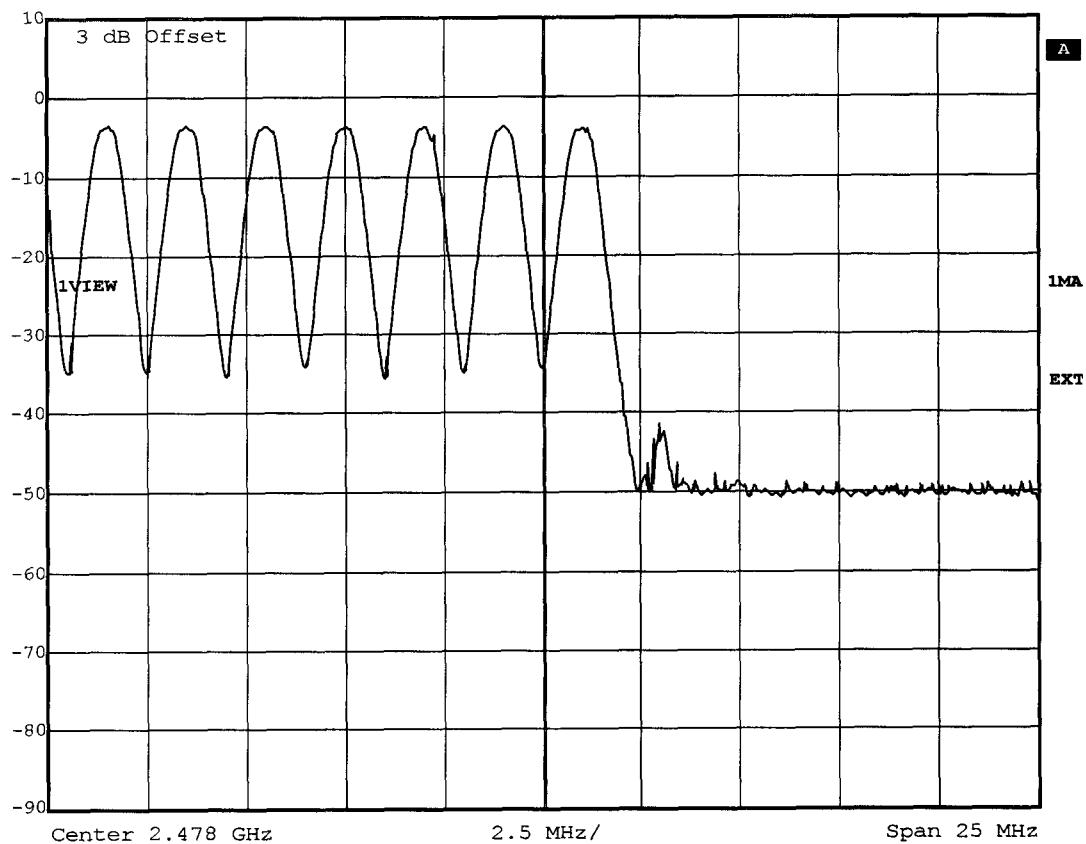


Title: Number of Hopping Frequencies (Master Inquiry Mode)  
Comment A: Z1  
Date: 17.OCT.2005 15:20:49



Ref Lvl  
10 dBm

RBW 300 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm



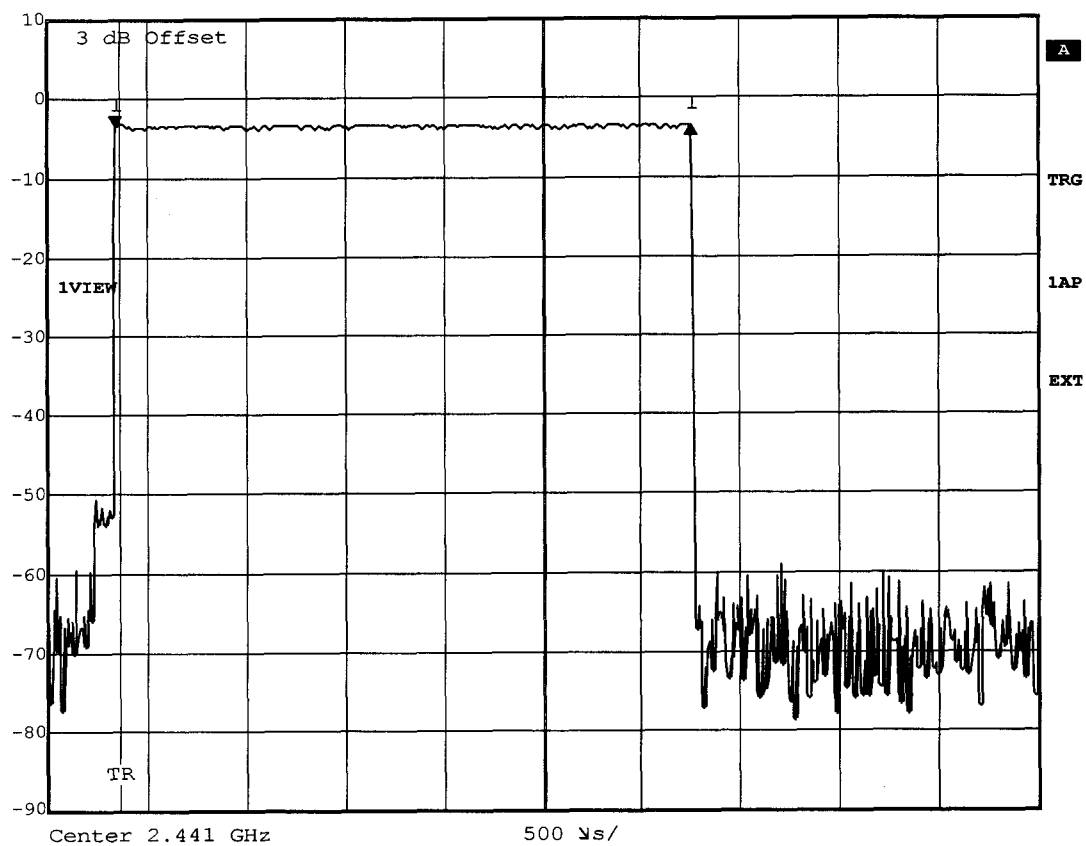
Title: Number of Hopping Frequencies (Master Inquiry Mode)  
Comment A: Z1  
Date: 17.OCT.2005 15:23:18

## Appendix G

Time of Occupancy (Dwell Time)



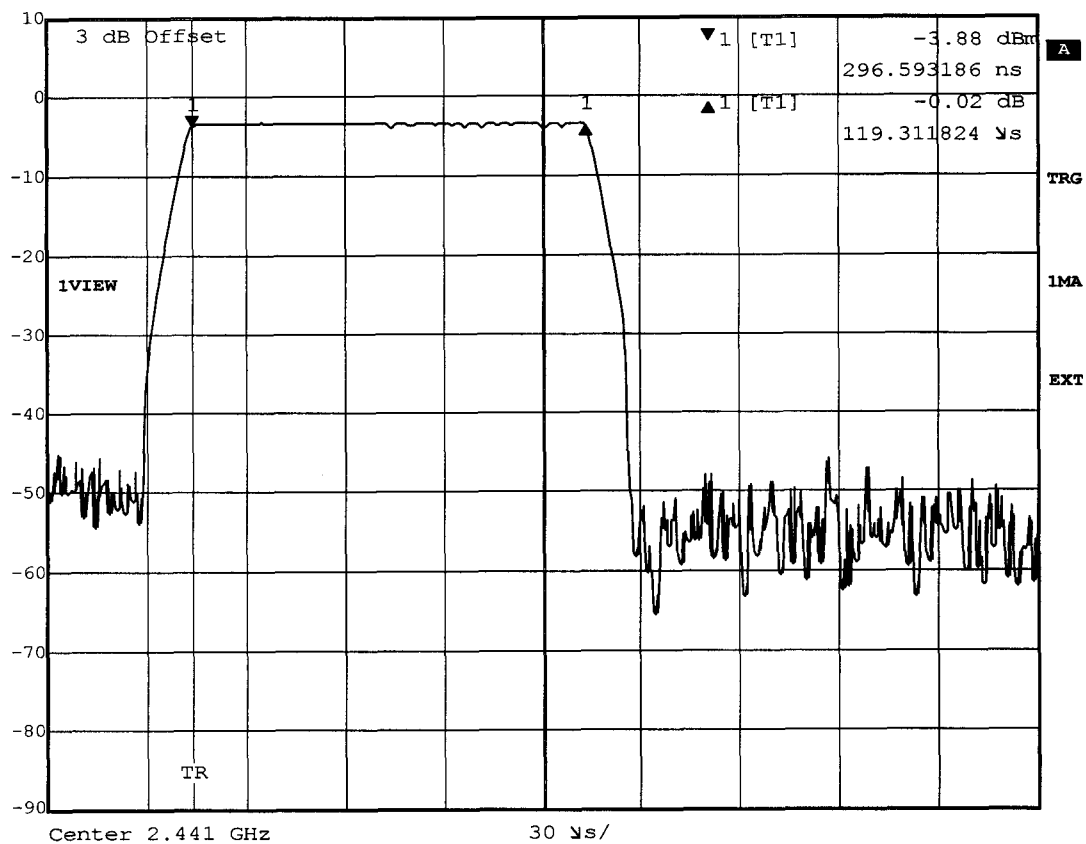
Delta 1 [T1] RBW 1 MHz RF Att 20 dB  
Ref Lvl -0.09 dB VBW 1 MHz  
10 dBm 2.912689 ms SWT 5 ms Unit dBm



Title: Time of occupancy (Hopping DH5) 64 events\*2.913ms=186.432ms  
Comment A: Z1  
Date: 17.OCT.2005 14:56:14



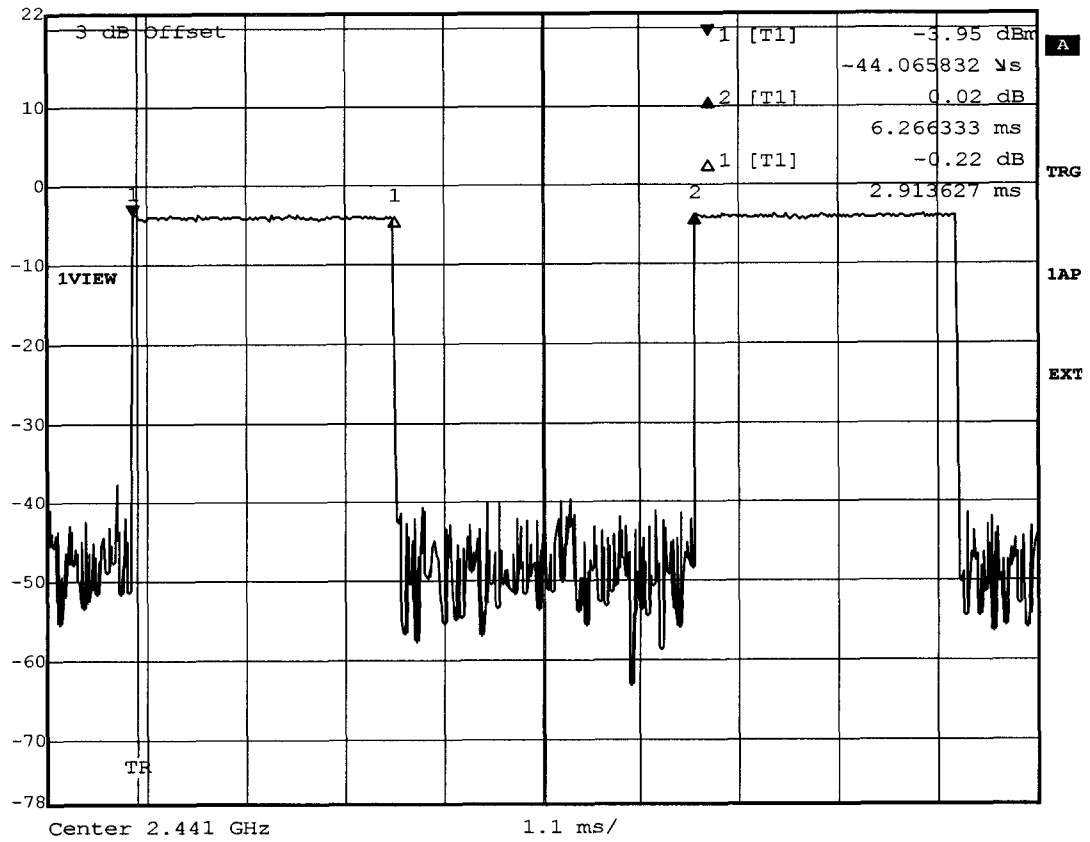
Delta 1 [T1] RBW 1 MHz RF Att 30 dB  
Ref Lvl -0.02 dB VBW 1 MHz  
10 dBm 119.311824  $\mu$ s SWT 300  $\mu$ s Unit dBm



Title: Time of occupancy (Inquiry mode) 376 events\*0.119ms=44.744ms  
Comment A: Z1  
Date: 17.OCT.2005 15:26:24



Delta 2 [T1] RBW 1 MHz RF Att 40 dB  
Ref Lvl 0.02 dB VBW 1 MHz  
22 dBm 6.266333 ms SWT 11 ms Unit dBm



Title: Duty Cycle  
Comment A: Z1  
Date: 17.OCT.2005 13:23:59

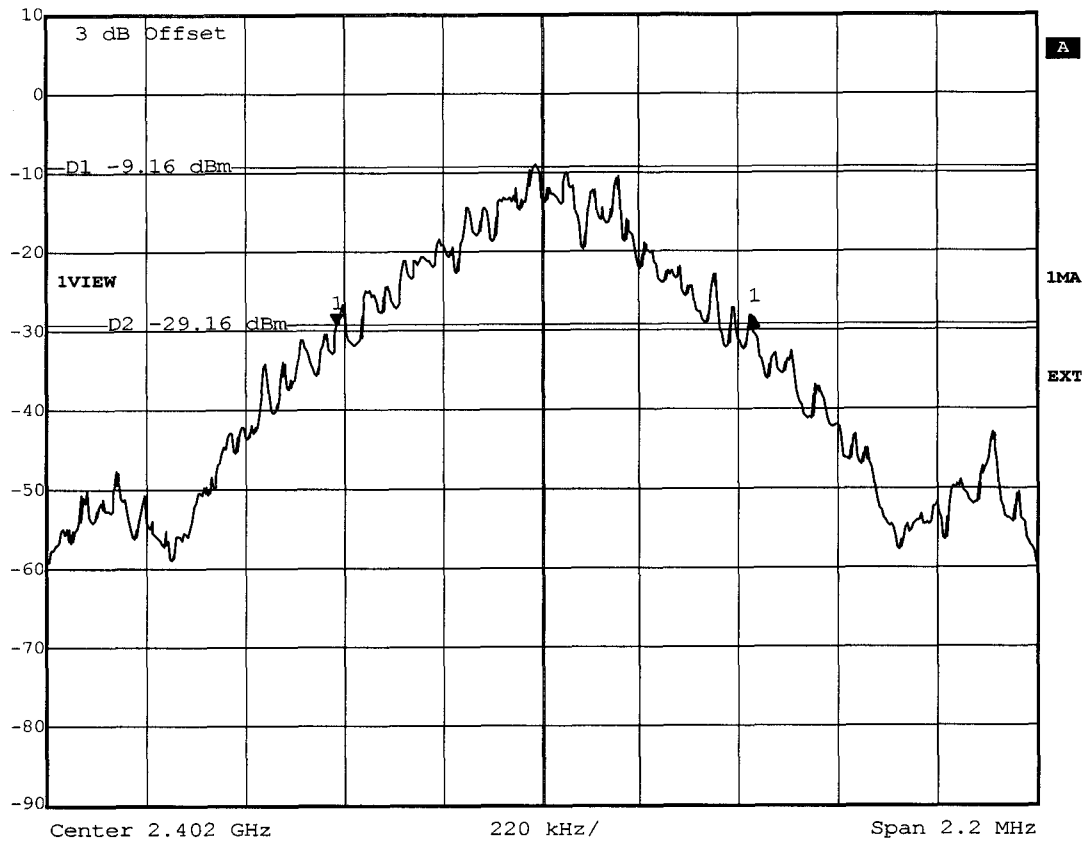


## Appendix H

20dB Bandwidth



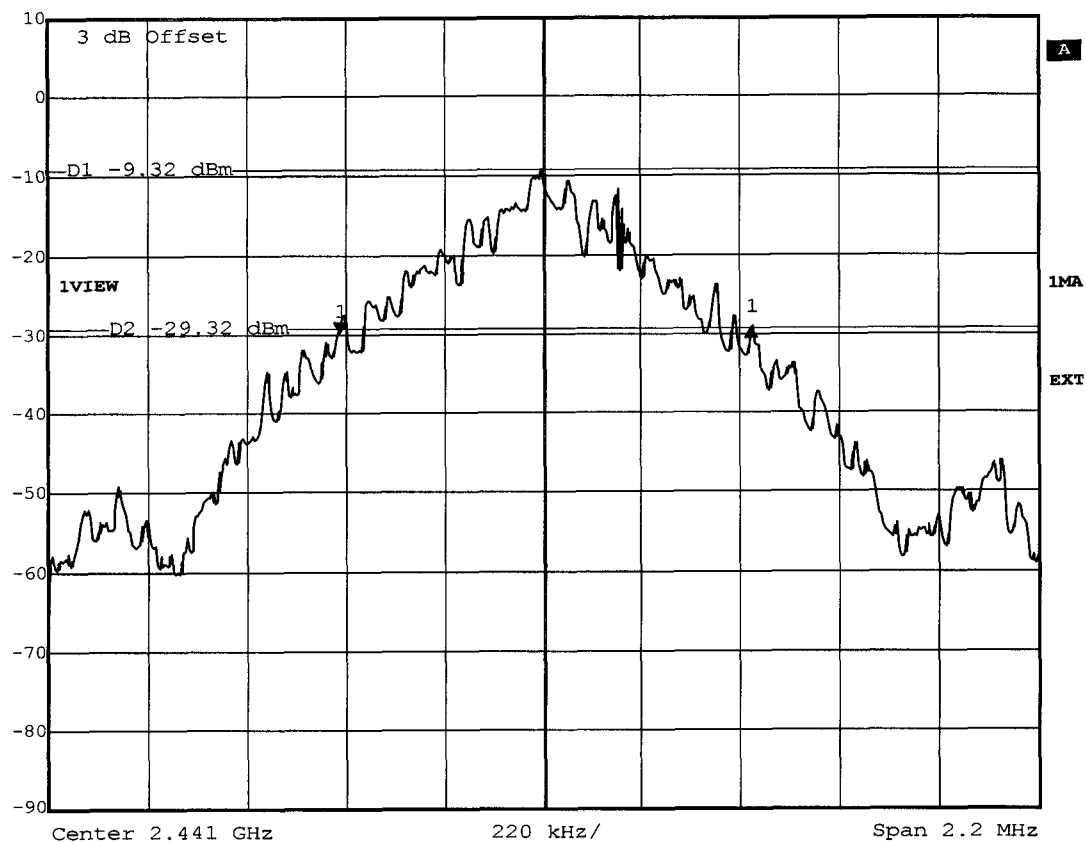
|         |                  |     |        |        |       |
|---------|------------------|-----|--------|--------|-------|
| Ref Lvl | Delta 1 [T1]     | RBW | 10 kHz | RF Att | 30 dB |
| 10 dBm  | 0.62 dB          | VBW | 10 kHz |        |       |
|         | 930.26052104 kHz | SWT | 56 ms  | Unit   | dBm   |



Title: -20dB Bandwidth Ch.: 0  
Comment A: Z1  
Date: 17.OCT.2005 13:21:08



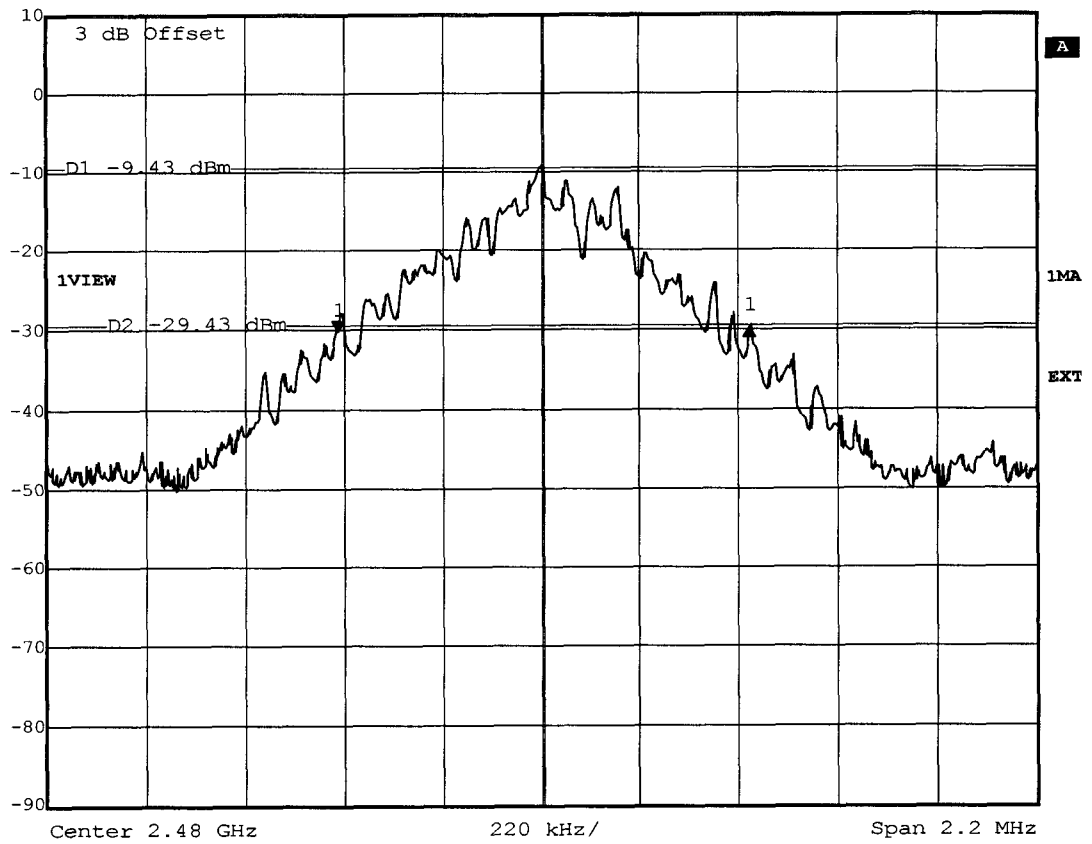
|         |                  |     |        |        |       |
|---------|------------------|-----|--------|--------|-------|
| Ref Lvl | Delta 1 [T1]     | RBW | 10 kHz | RF Att | 30 dB |
| 10 dBm  | 0.46 dB          | VBW | 10 kHz |        |       |
|         | 917.03406814 kHz | SWT | 56 ms  | Unit   | dBm   |



Title: -20dB Bandwidth Ch.: 39  
Comment A: Z1  
Date: 17.OCT.2005 13:19:51



Delta 1 [T1] RBW 10 kHz RF Att 30 dB  
Ref Lvl 0.53 dB VBW 10 kHz  
10 dBm 917.03406814 kHz SWT 56 ms Unit dBm



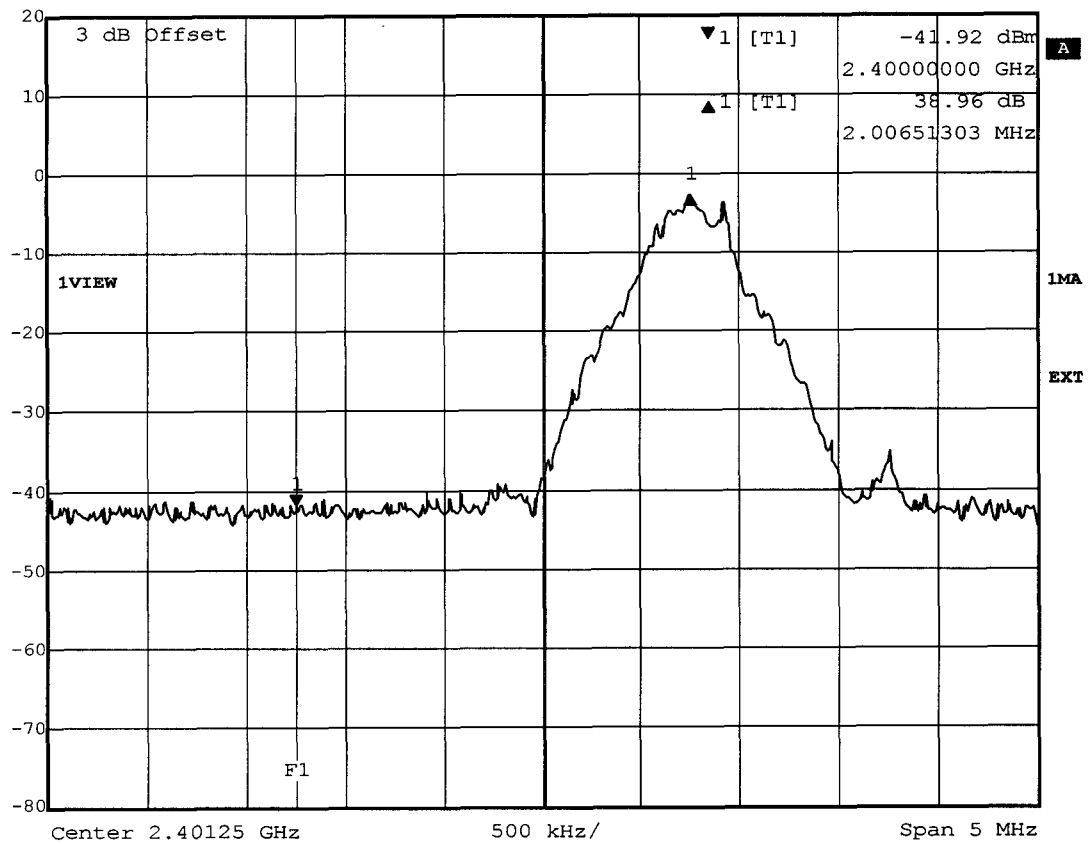
Title: -20dB Bandwidth Ch.: 78  
Comment A: Z1  
Date: 17.OCT.2005 13:18:38

## Appendix I

### Band-edge Compliance of RF Emissions



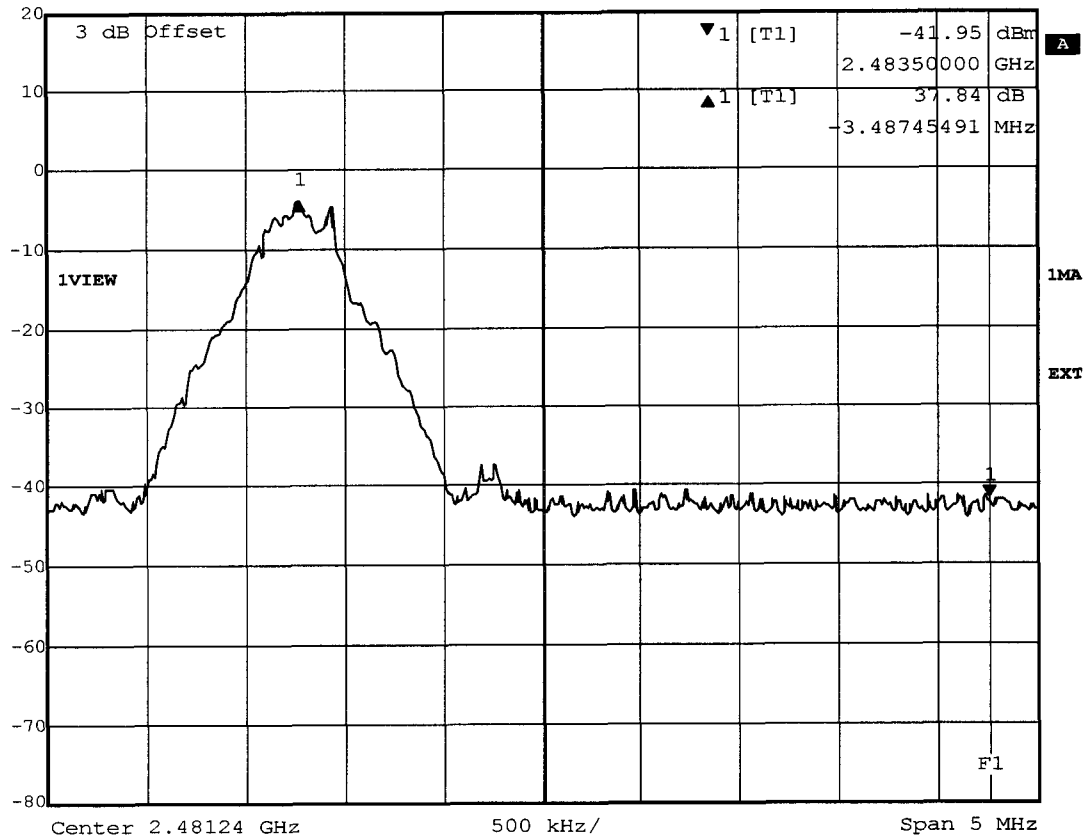
Delta 1 [T1] RBW 50 kHz RF Att 40 dB  
Ref Lvl 38.96 dB VBW 50 kHz  
20 dBm 2.00651303 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)  
Comment A: Z1  
Date: 17.OCT.2005 13:27:29



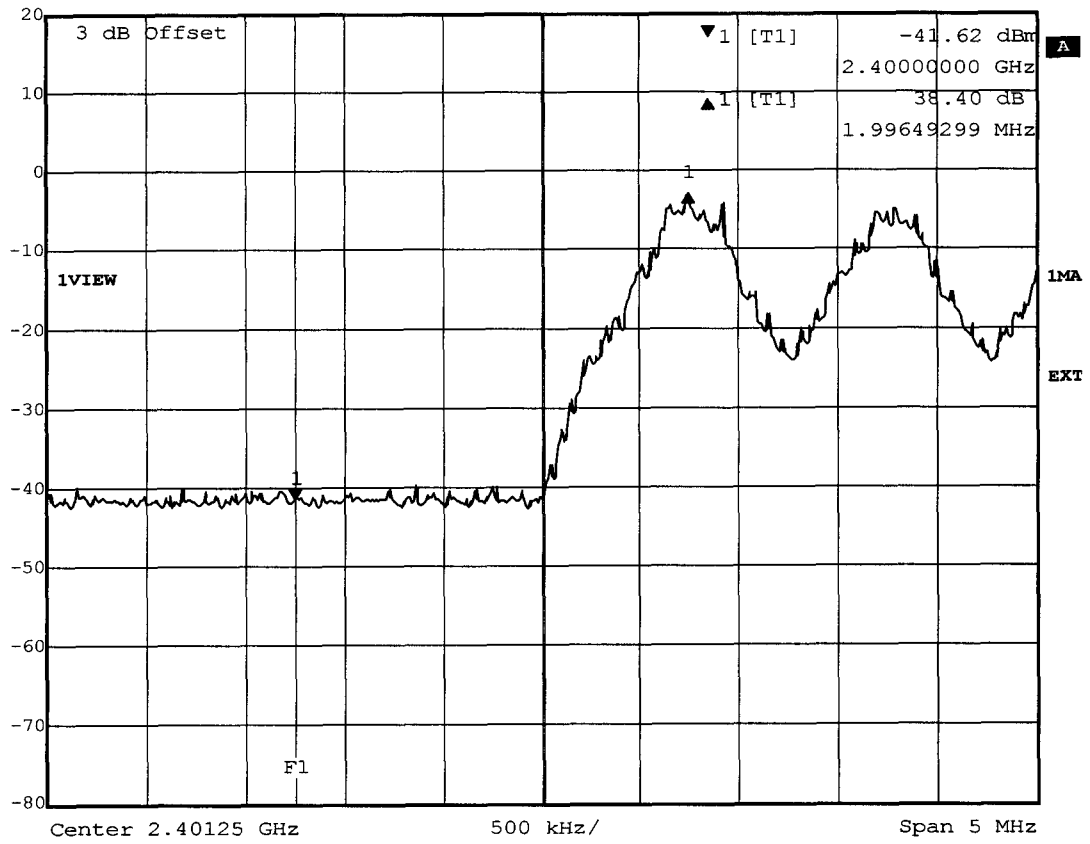
Delta 1 [T1] RBW 50 kHz RF Att 40 dB  
Ref Lvl 37.84 dB VBW 50 kHz  
20 dBm -3.48745491 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)  
Comment A: Z1  
Date: 17.OCT.2005 13:33:04



Delta 1 [T1] RBW 50 kHz RF Att 40 dB  
Ref Lvl 38.40 dB VBW 50 kHz  
20 dBm 1.99649299 MHz SWT 5 ms Unit dBm

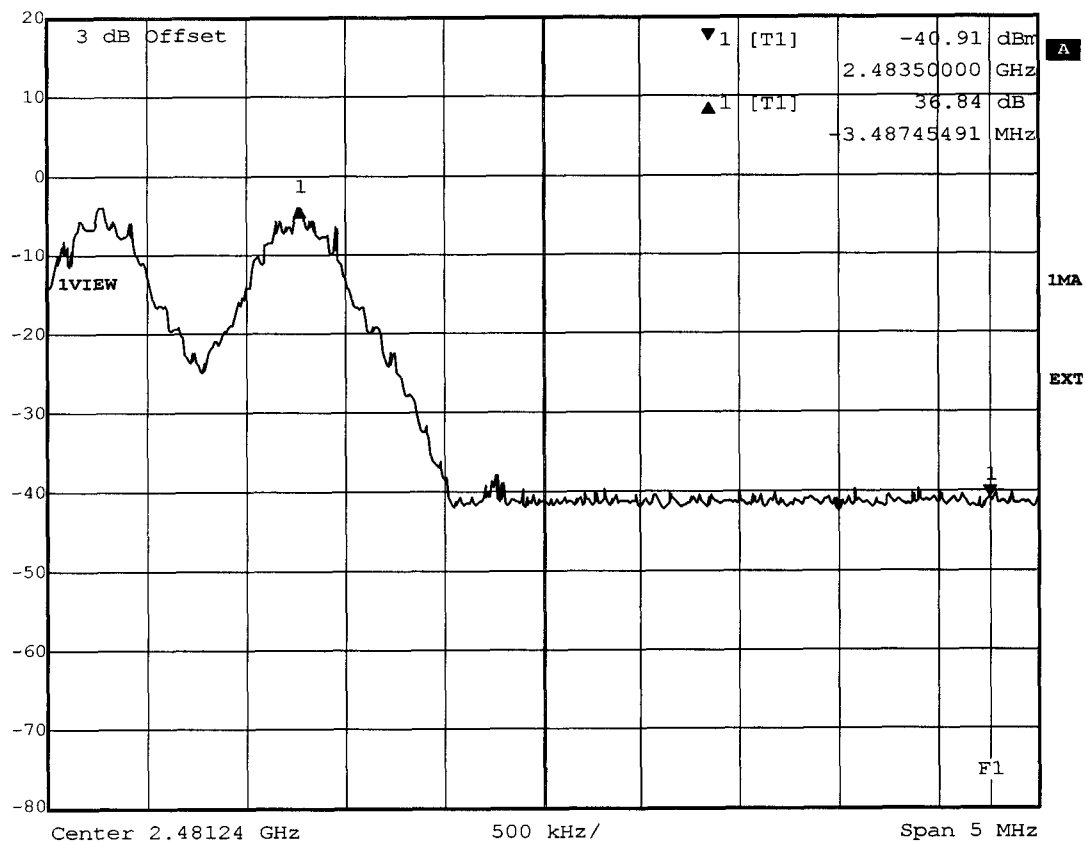


Title: Band-edge Compliance (conducted, hopping mode)  
Comment A: Z1  
Date: 17.OCT.2005 13:31:23





Delta 1 [T1] RBW 50 kHz RF Att 40 dB  
Ref Lvl 36.84 dB VBW 50 kHz  
20 dBm -3.48745491 MHz SWT 5 ms Unit dBm



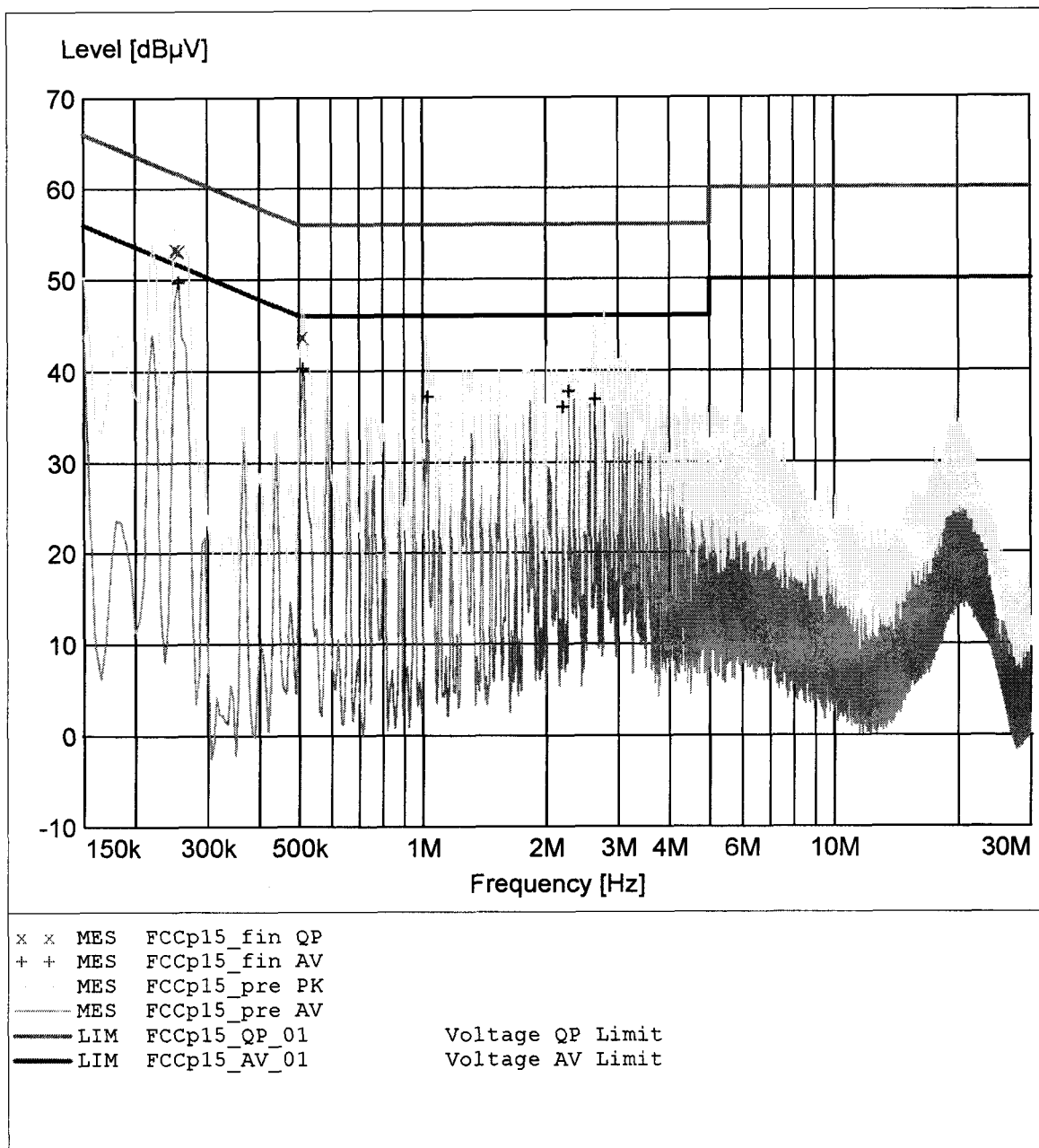
Title: Band-edge Compliance (conducted, hopping mode)  
Comment A: Z1  
Date: 17.OCT.2005 13:47:35

## **Appendix J**

Conducted Measurement at (AC) Power Line

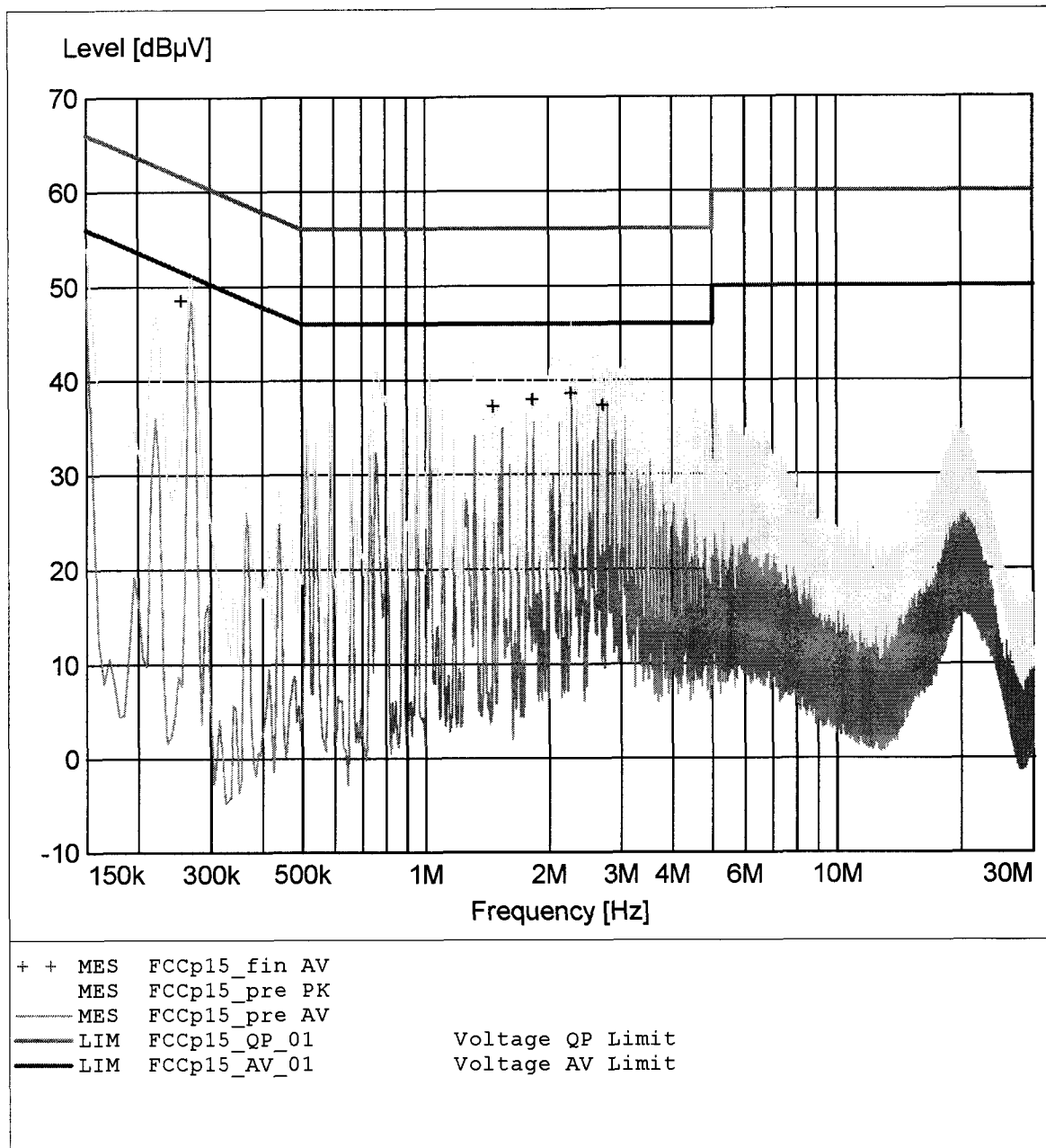
# EMI voltage test in the ac-mains according to FCC part 15

EUT: Zeal  
Manufacturer: ADC Technology, Inc.  
Operating Condition: Unom: 120VAC (AC/DC adaptor), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Marquardt  
Test Specification: V-Network: ESH2-Z5 (L1)  
Comment: model: Z1  
Adaptor: NP12-1S0912



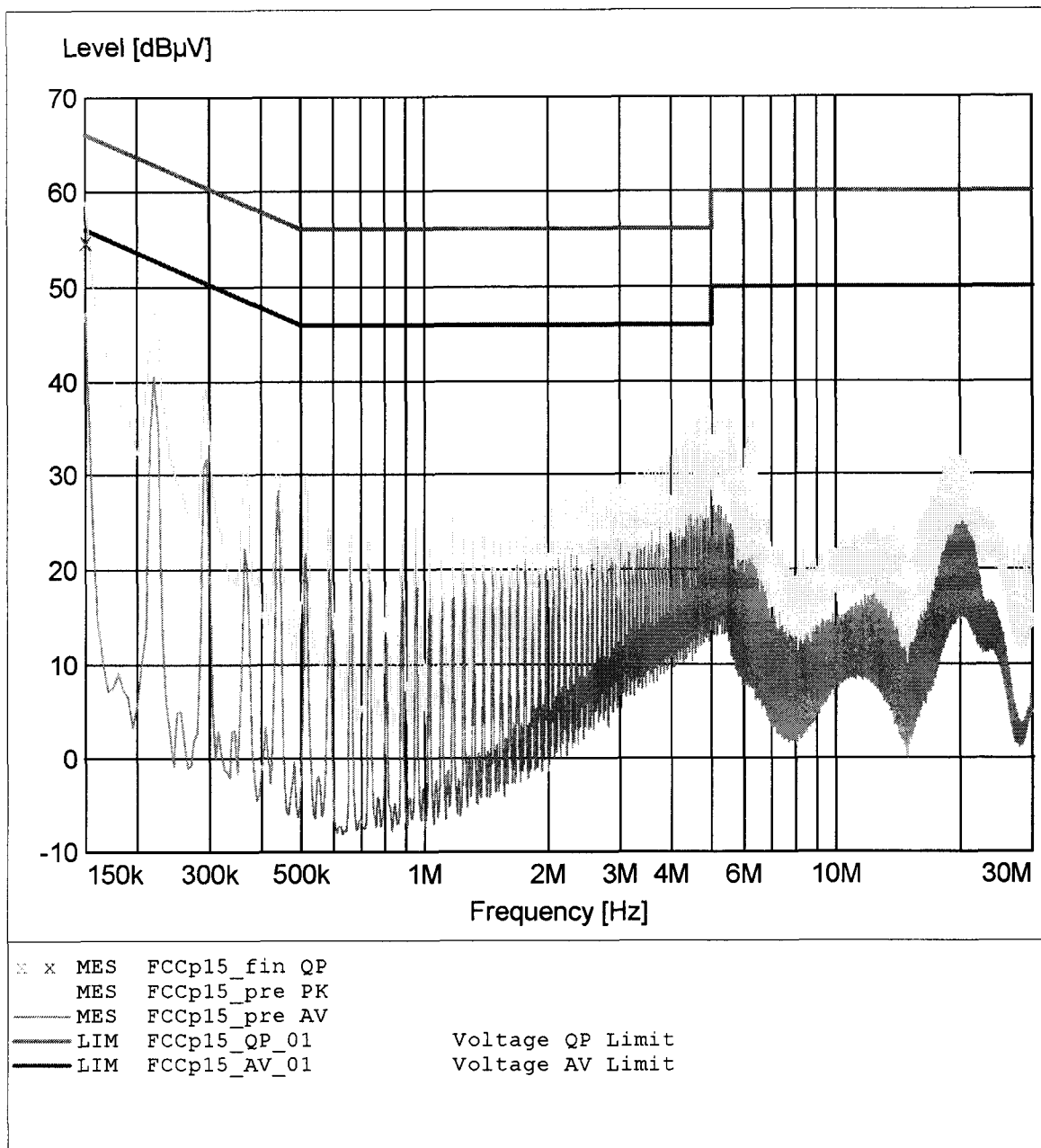
*EMI voltage test in the ac-mains according to FCC part 15*

EUT: Zeal  
Manufacturer: ADC Technology, Inc.  
Operating Condition: Unom: 120VAC (AC/DC adaptor), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Marquardt  
Test Specification: V-Network: ESH2-Z5 (N)  
Comment: model: Z1  
Adaptor: NP12-1S0912



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

EUT: Zeal  
Manufacturer: ADC Technology, Inc.  
Operating Condition: Unom: 120VAC (AC/DC adaptor), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Marquardt  
Test Specification: V-Network: ESH2-Z5 (L1)  
Comment: model: Z1  
Laptop: CF-27



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

EUT: Zeal  
Manufacturer: ADC Technology, Inc.  
Operating Condition: Unom: 120VAC (AC/DC adaptor), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Marquardt  
Test Specification: V-Network: ESH2-Z5 (N)  
Comment: model: Z1  
Laptop: CF-27

