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## 1. Introduction and Summary

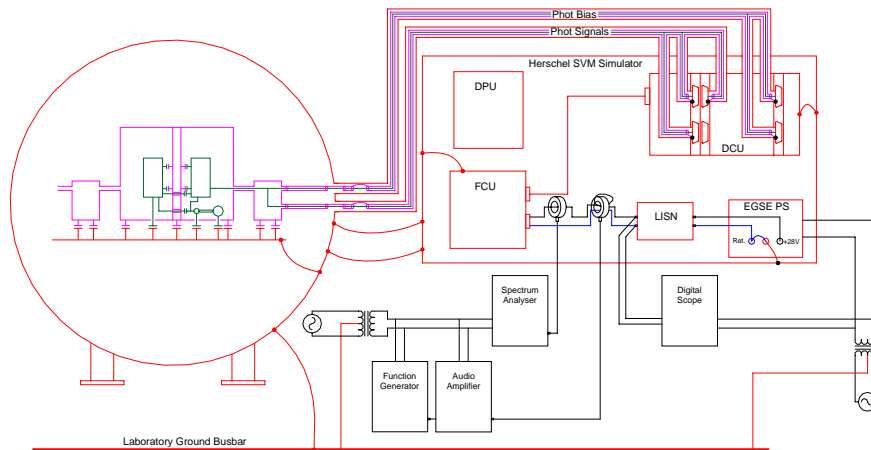


Figure 1 – Test setup for DM test

	Frequency	PLW	PMW	PSW
	2.48 MHz	79 mV	71 mV	67 mV
	3.67 MHz	92 mV	77 mV	86 mV
	5.40 MHz			
	9.27 MHz			
DM	11.25 MHz			
	16.17 MHz			
	20.10 MHz			
	28.25 MHz ?		24 mV	31 mV
	36.67 MHz			
	37.92 MHz	33 mV	29 mV	26 mV
	6.00 MHz	425 mV	460 mV	431 mV
	8.50 MHz			
	9.50 MHz			
CM	15.30 MHz	486 mV	603 mV	639 mV
	20.00 MHz			
	34.00 MHz	720 mV	687 mV	732 mV
	39.00 MHz			
	47.60 MHz	749 mV	634 mV	606 mV

Figure 2 – Susceptibility thresholds



## 2. Differential Mode

### 2.1 2.48 MHz

#### 2.1.1 PLW

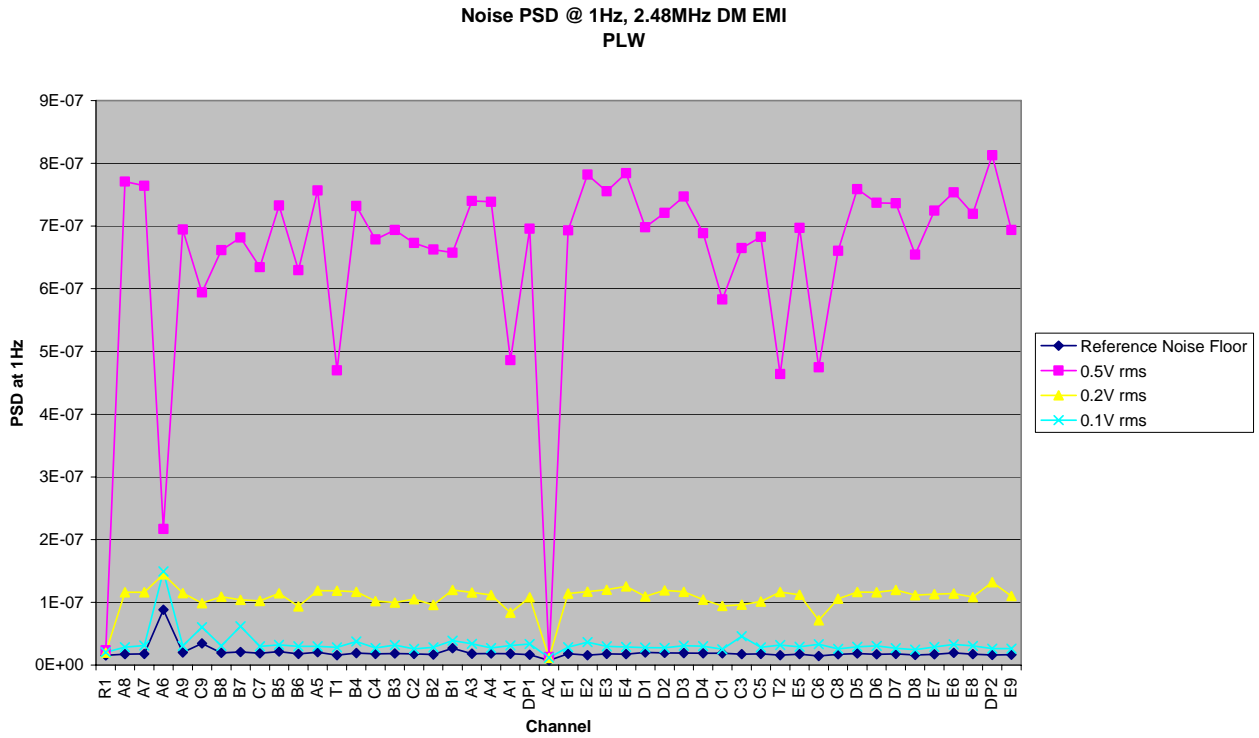


Figure 3



### DM Threshold @ 2.48MHz PLW

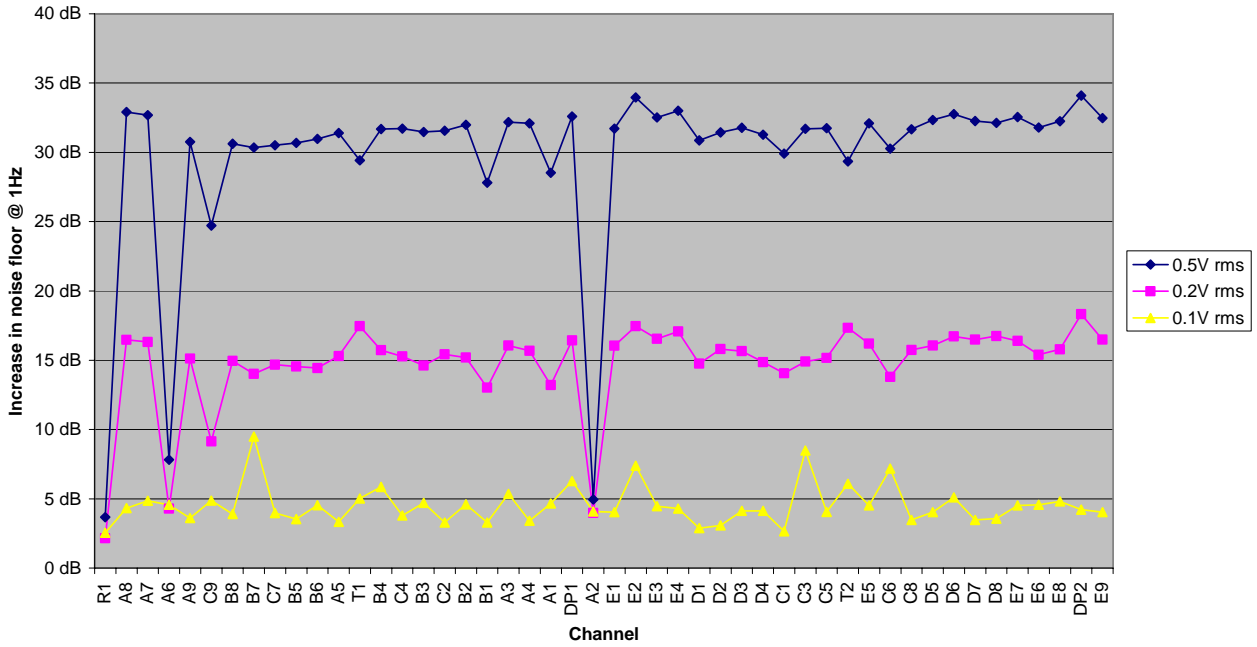


Figure 4

Figure 5

### Susceptibility Threshold @ 2.48MHz DM EMI PLW

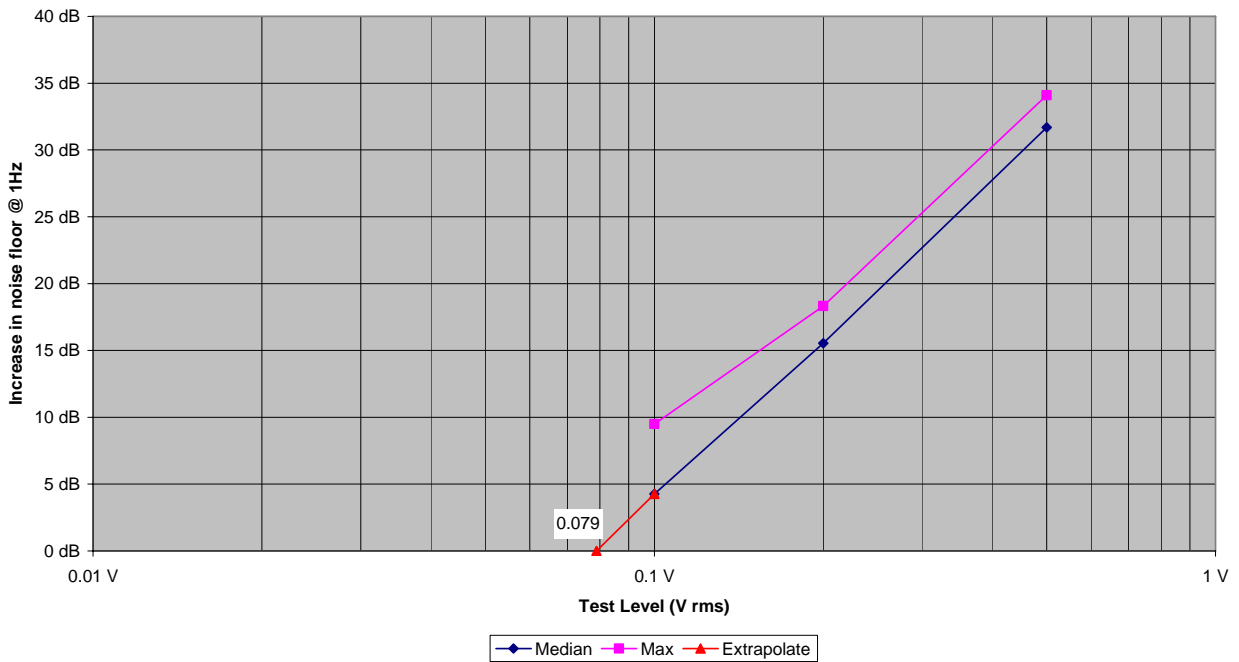


Figure 6



## 2.1.2 PMW

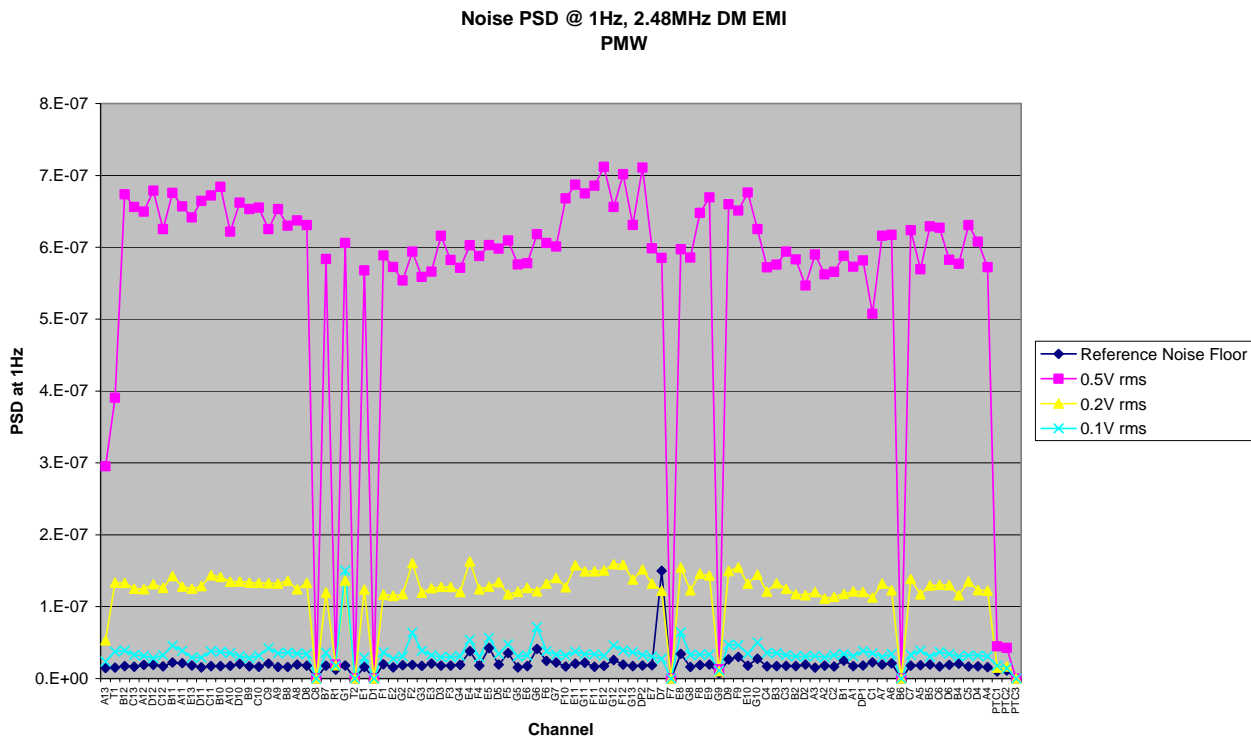


Figure 7

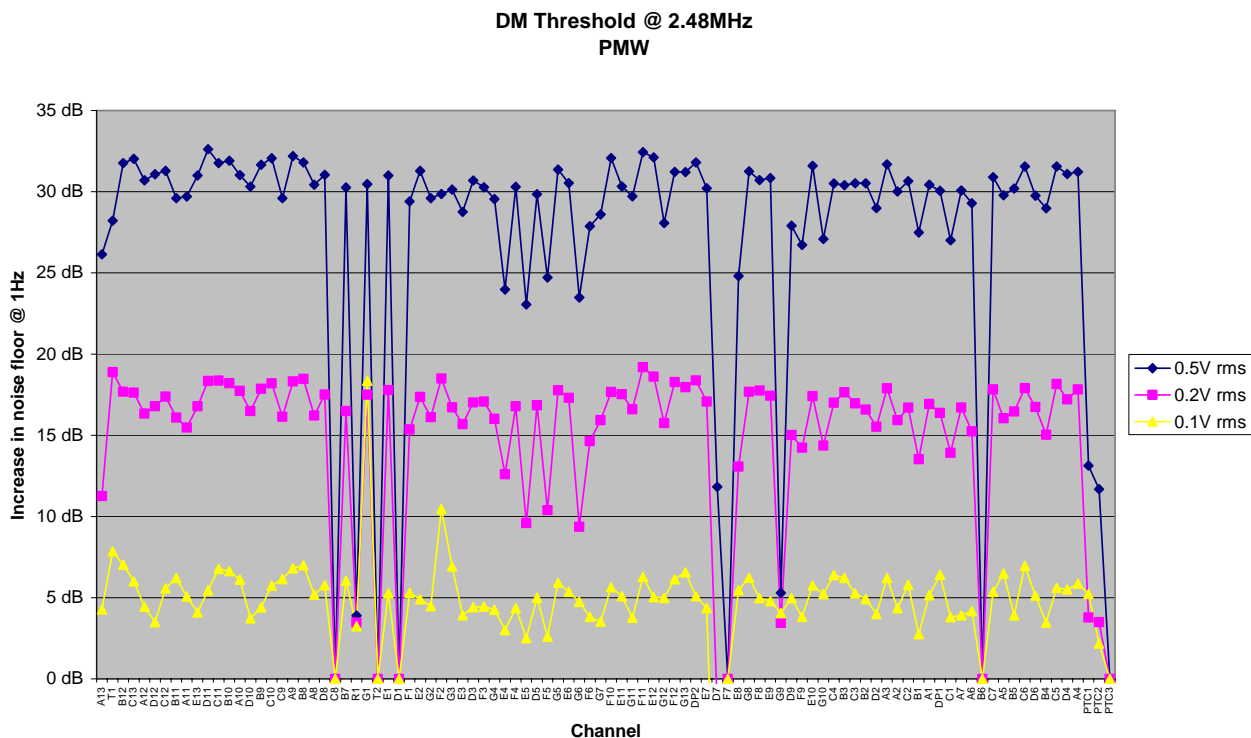


Figure 8



### Susceptibility Threshold @ 2.48MHz DM EMI PMW

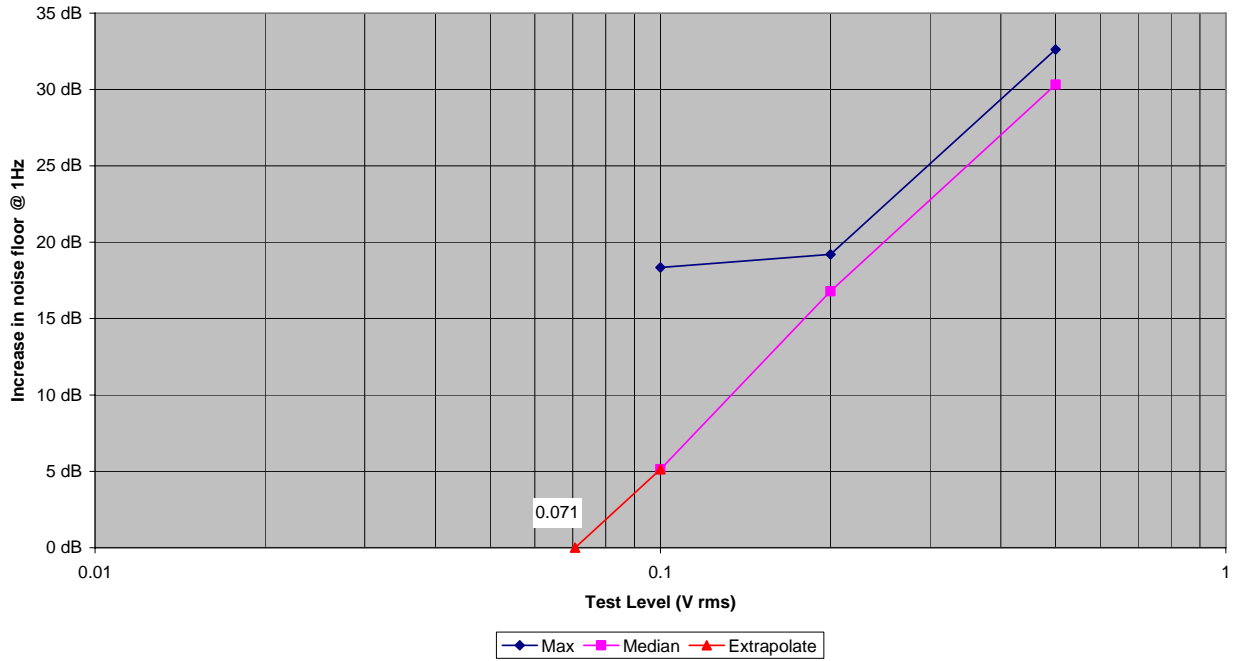


Figure 9

## 2.1.3 PSW

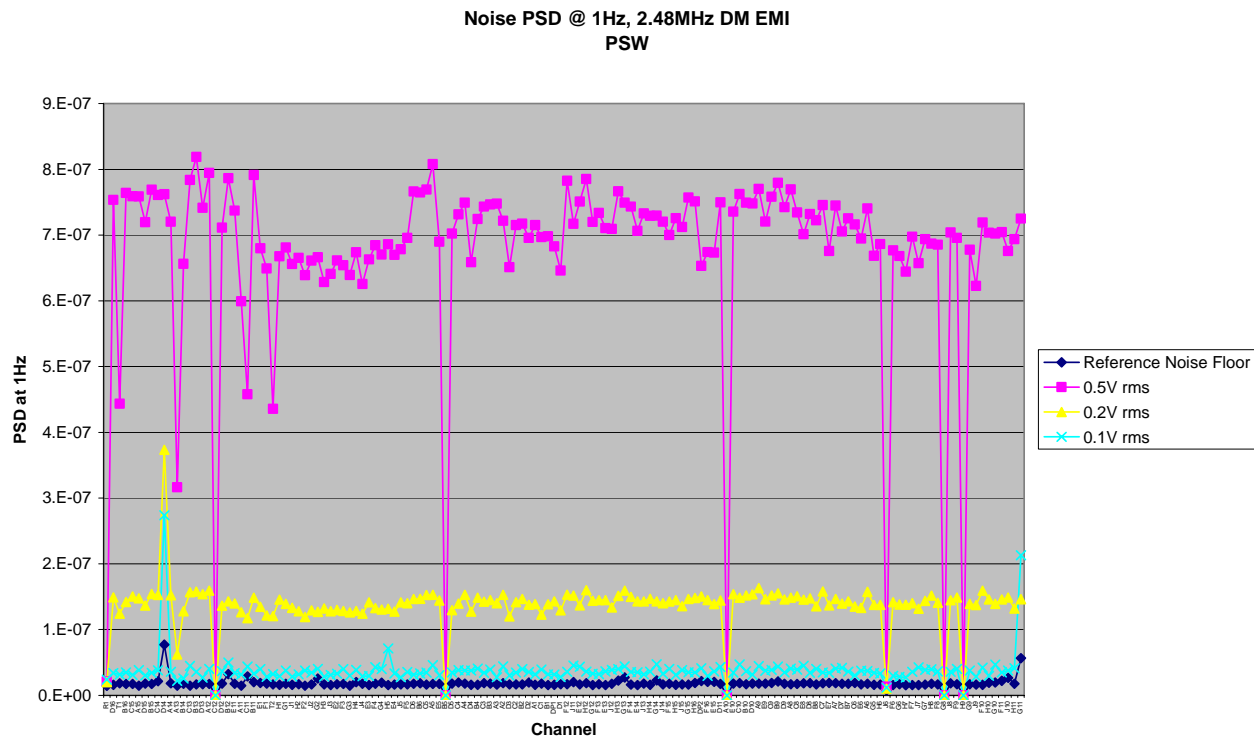


Figure 10

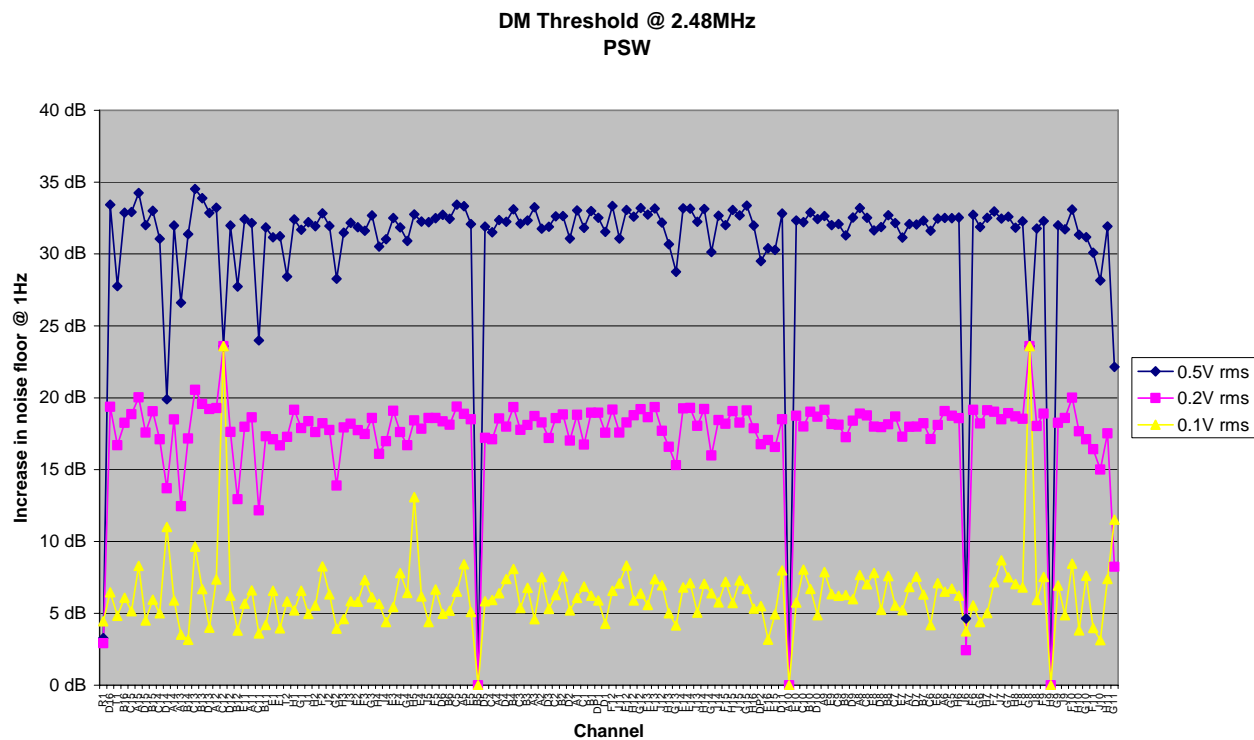


Figure 11



### Susceptibility Threshold @ 2.48MHz DM EMI PSW

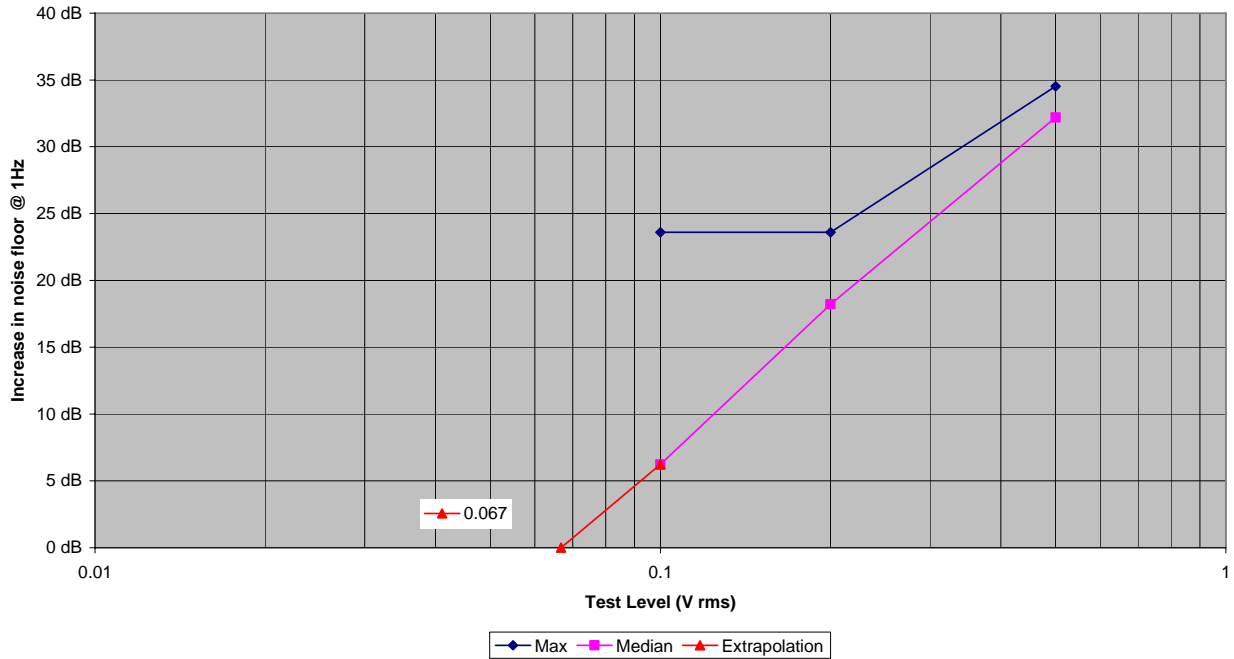


Figure 12





## 2.2 3.668MHz

### 2.2.1 PLW

Noise PSD @ 1Hz, 3.668MHz DM EMI  
PLW

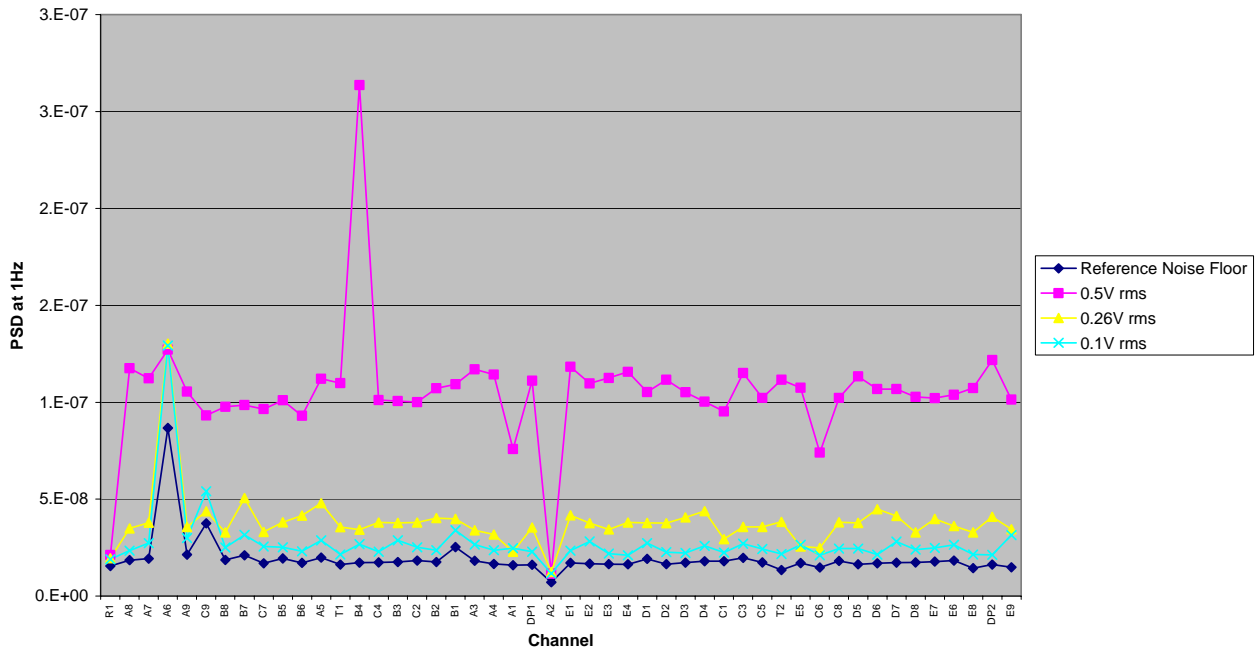


Figure 13

DM Threshold @ 3.668MHz  
PLW

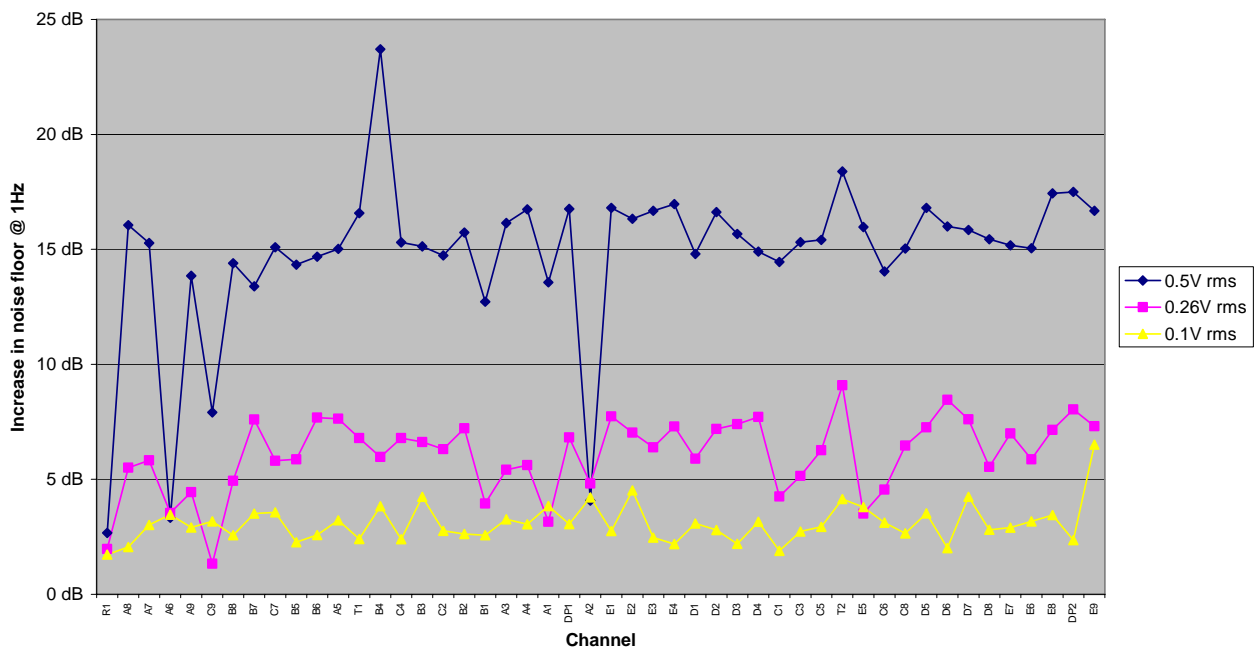


Figure 14

### Susceptibility Threshold @ 3.668MHz DM EMI PLW

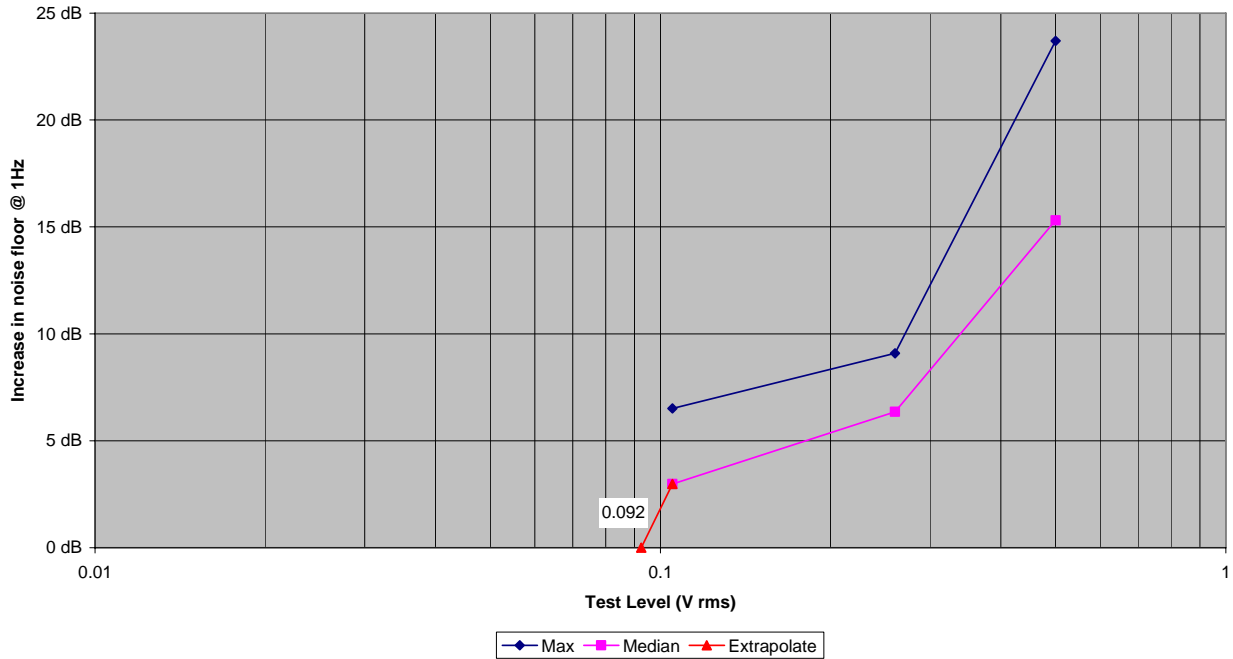


Figure 15

## 2.2.2 PMW

### Noise PSD @ 1Hz, 3.668MHz DM EMI PMW

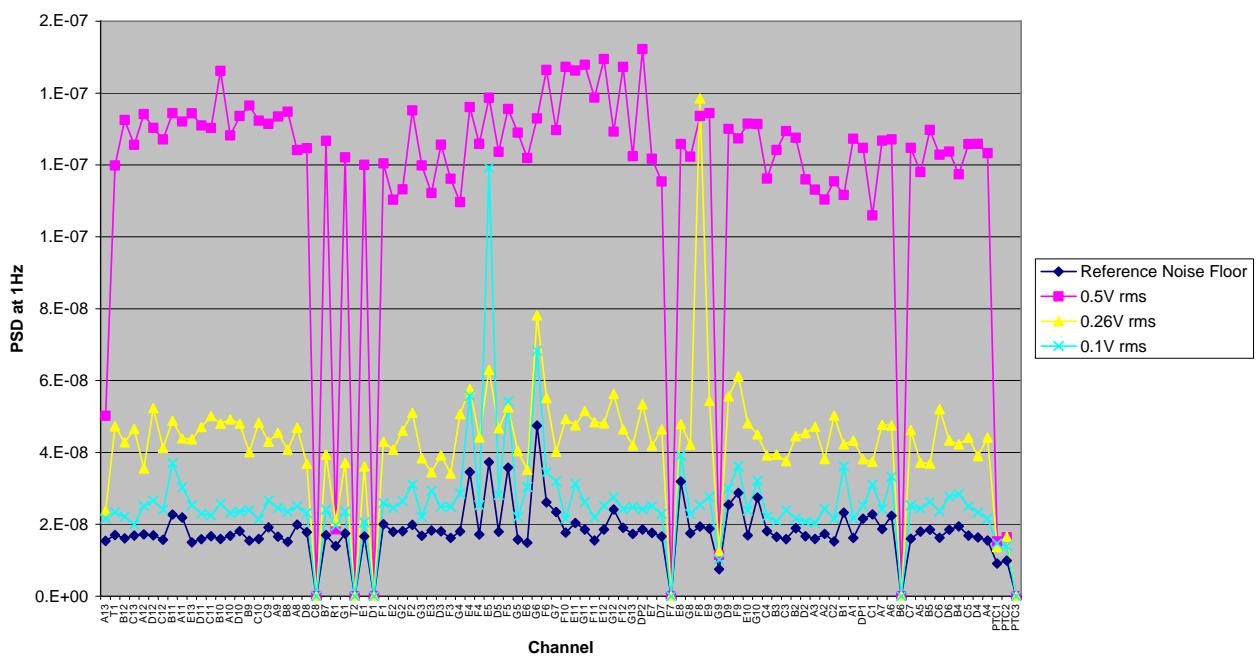


Figure 16



### DM Threshold @ 3.668MHz PMW

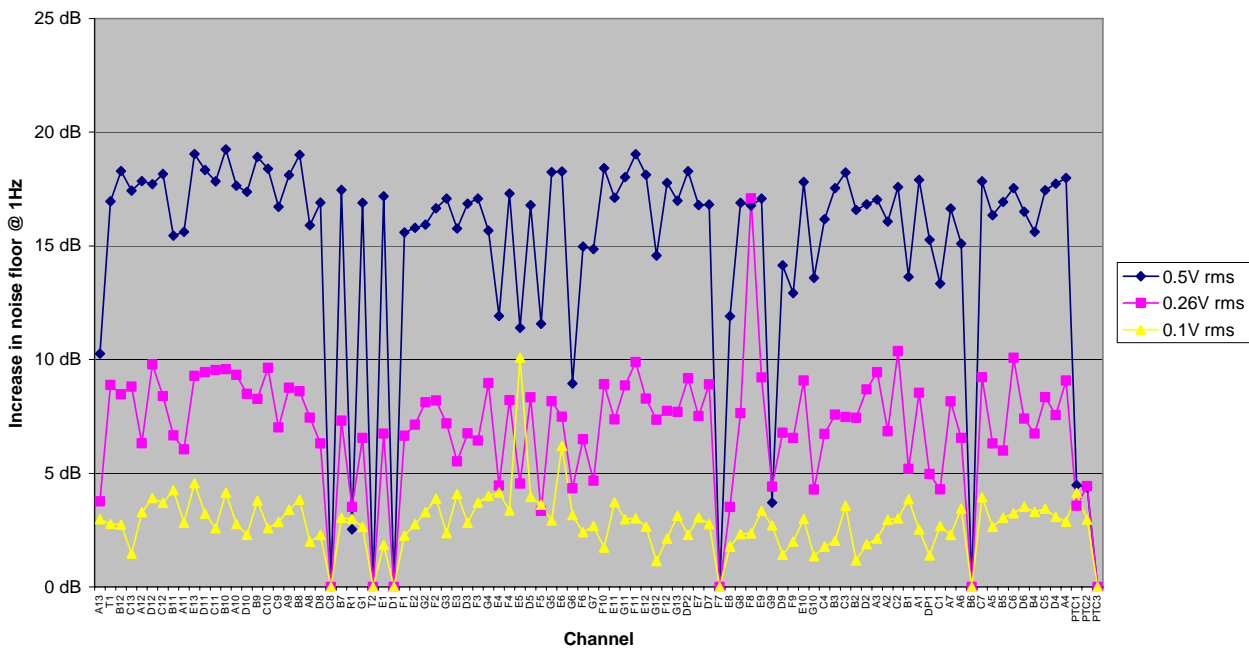


Figure 17

### Susceptibility Threshold @ 3.668MHz DM EMI PMW

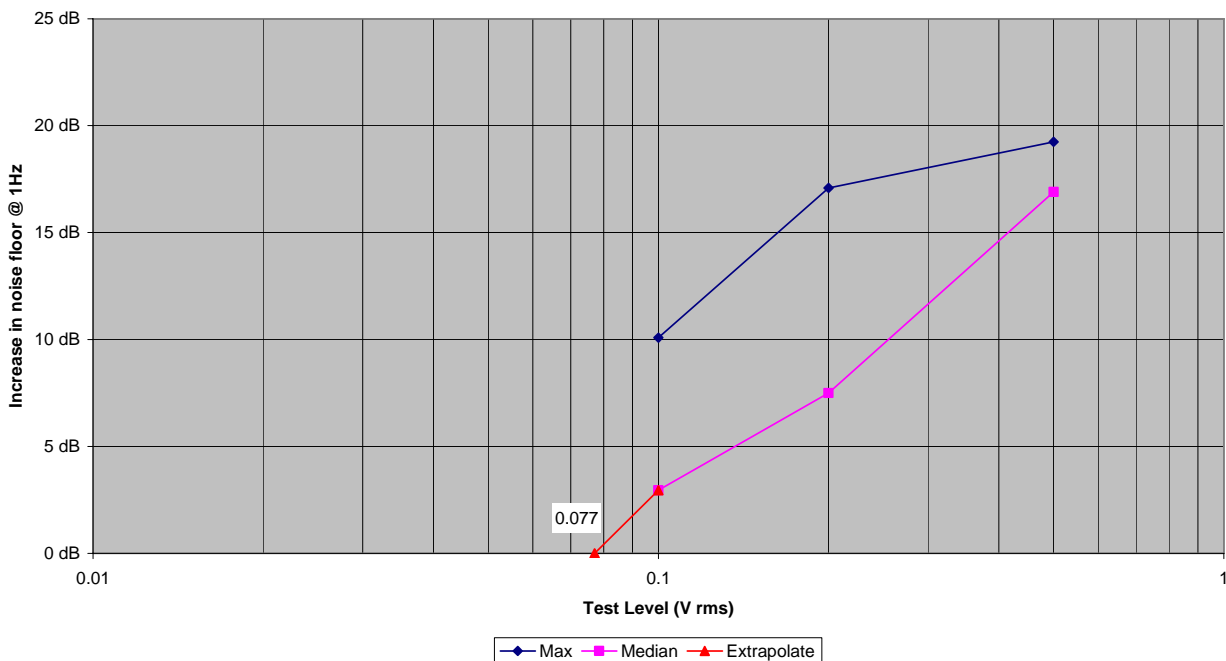


Figure 18



## 2.2.3 PSW

Noise PSD @ 1Hz, 3.668MHz DM EMI  
PSW

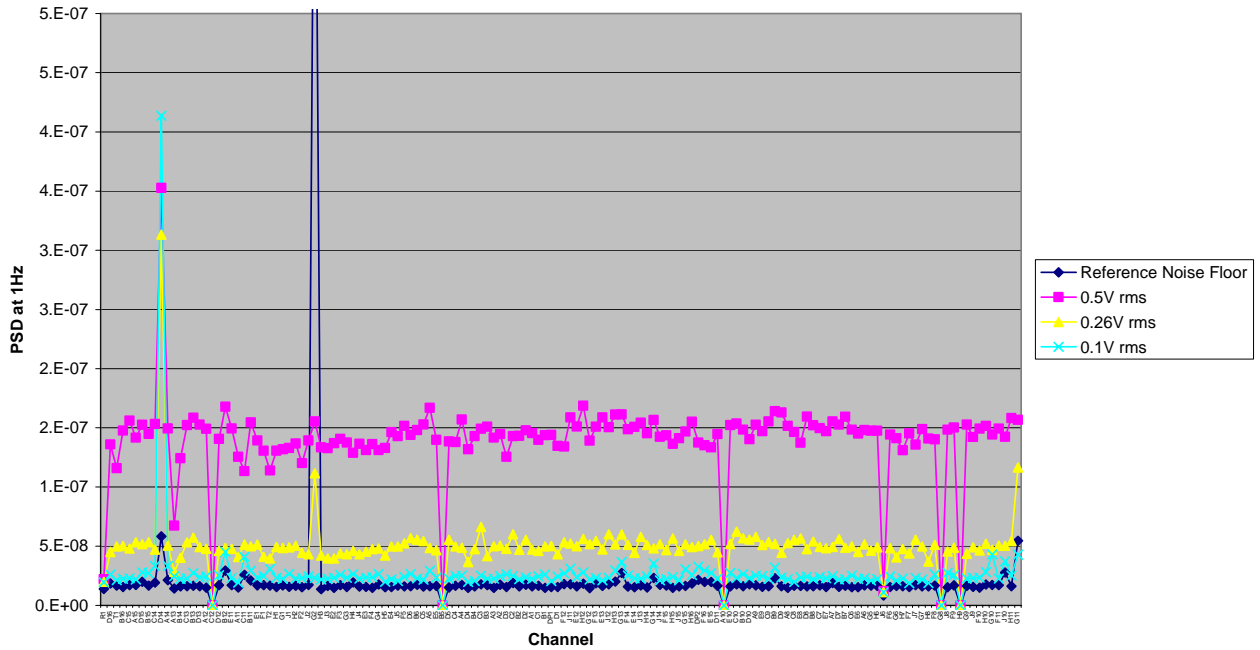


Figure 19

DM Threshold @ 3.668MHz  
PSW

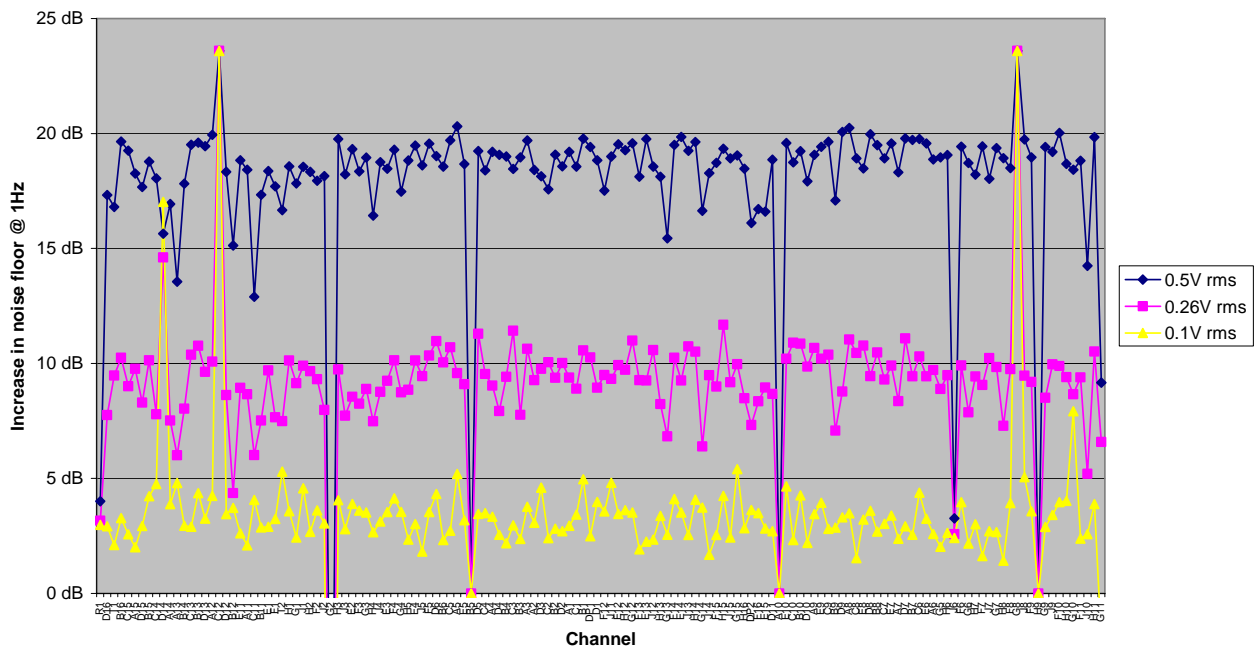


Figure 20



### Susceptibility Threshold @ 3.668MHz DM EMI PSW

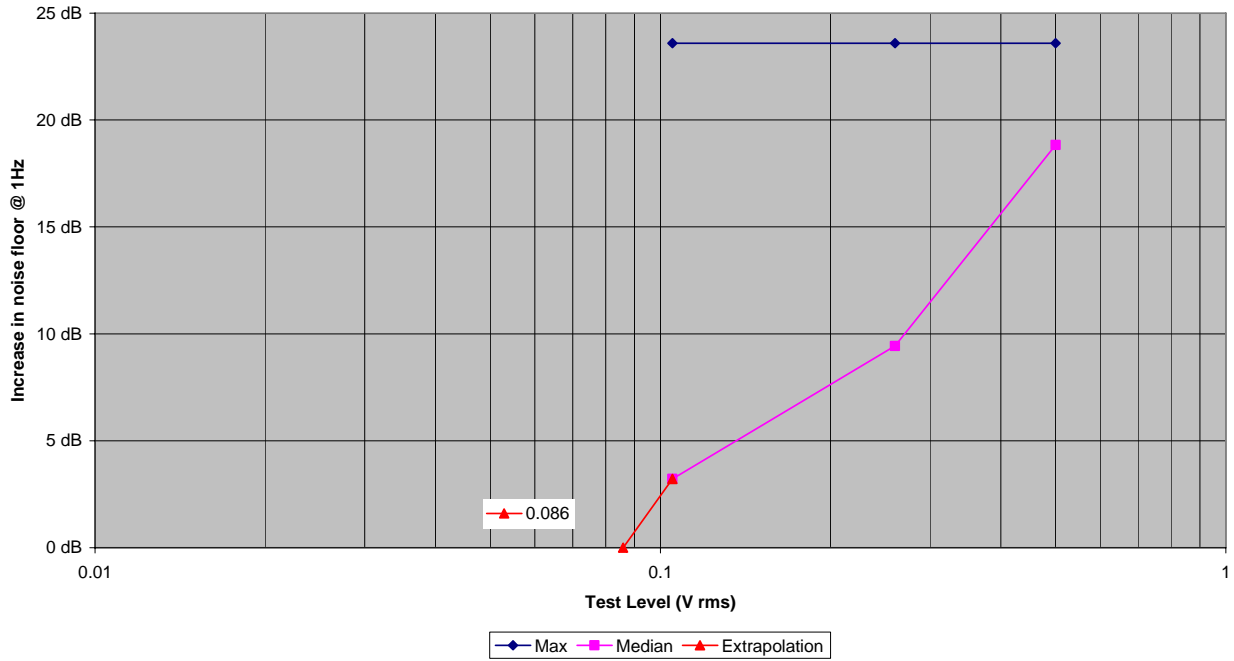


Figure 21



## 2.3 28.248MHz

### 2.3.1 PLW

Noise PSD @ 1Hz, 28.248MHz DM EMI  
PLW

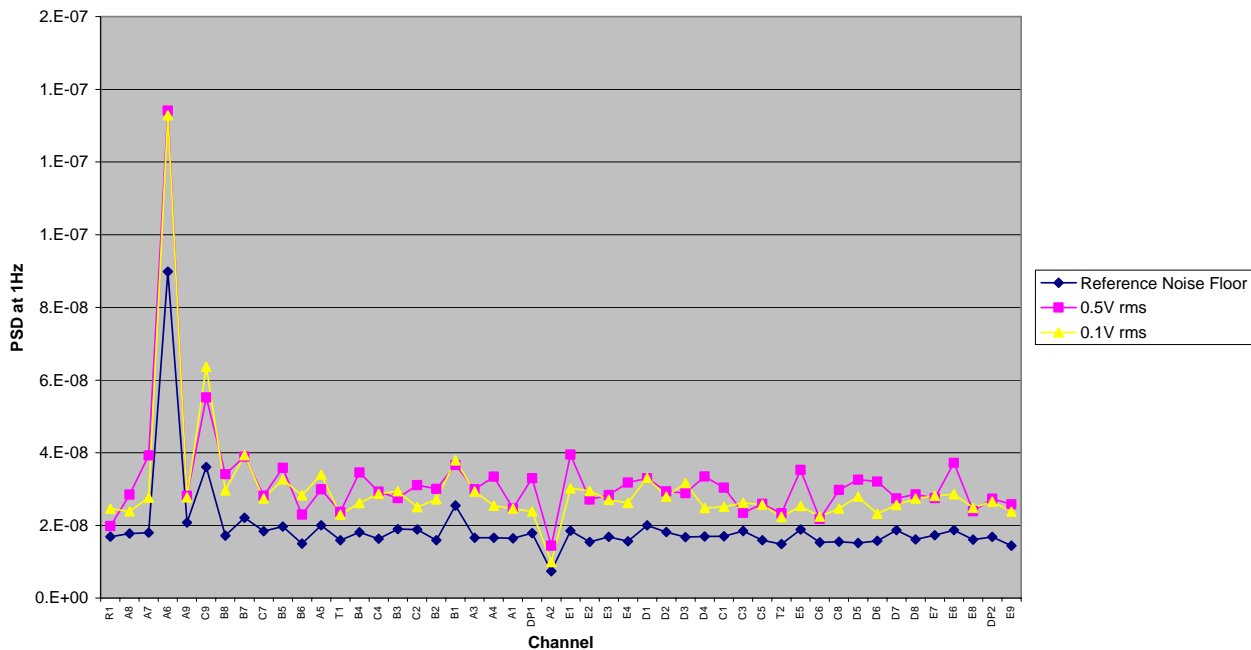


Figure 22

DM Threshold @ 28.248MHz  
PLW

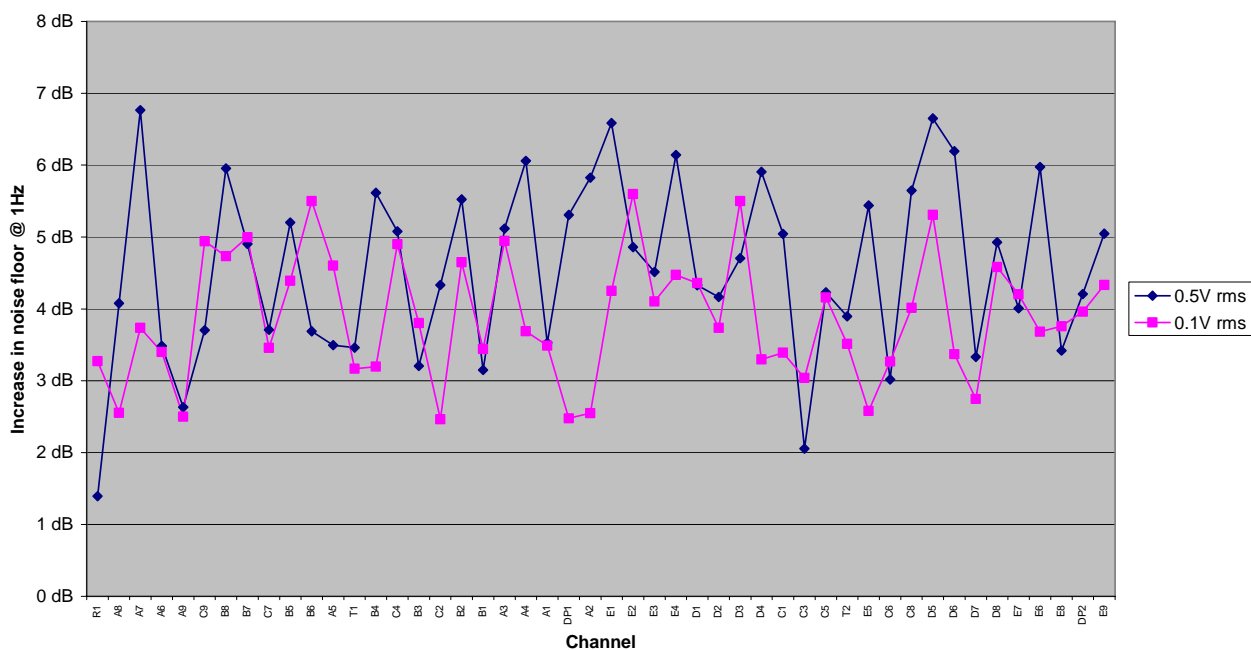


Figure 23

Susceptibility Threshold @ 28.248MHz DM EMI  
PLW

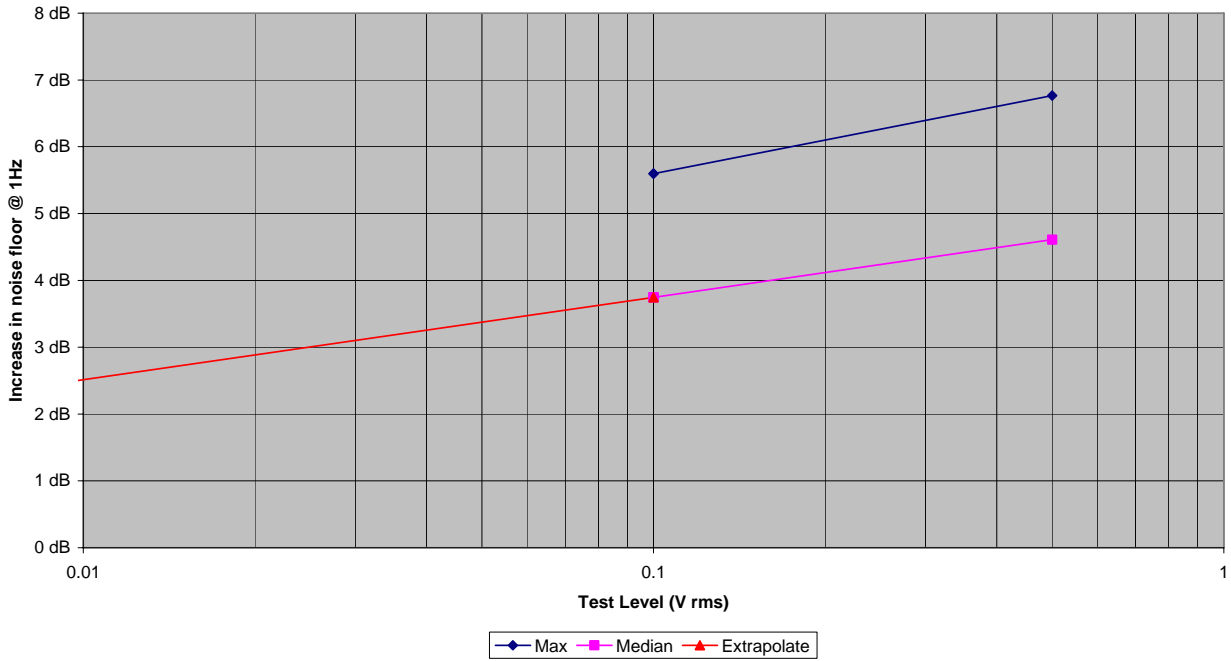


Figure 24

## 2.3.2 PMW

Noise PSD @ 1Hz, 28.248MHz DM EMI  
PMW

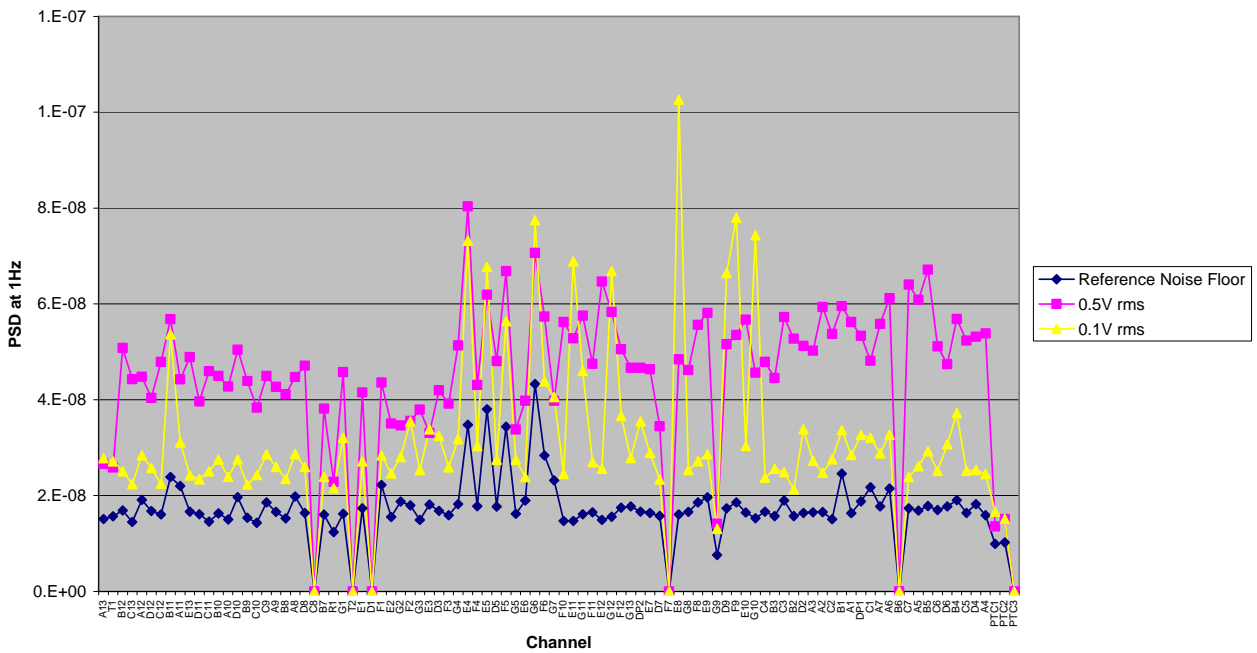


Figure 25

DM Threshold @ 28.248MHz  
PMW

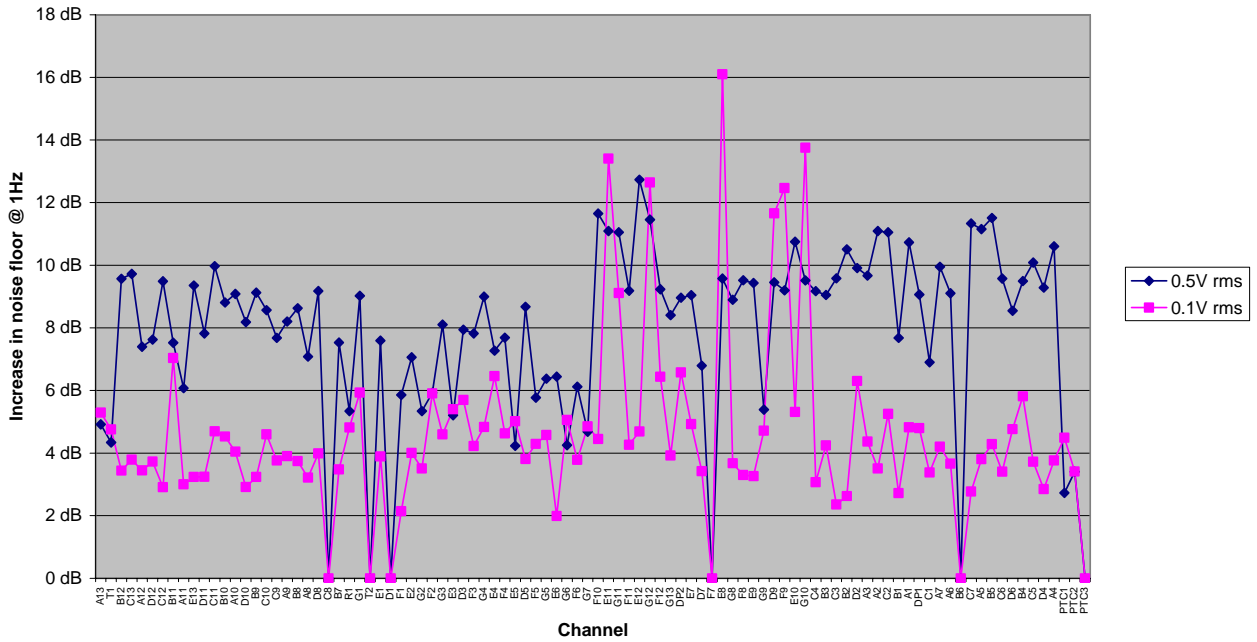


Figure 26

Susceptibility Threshold @ 28.248MHz DM EMI  
PMW

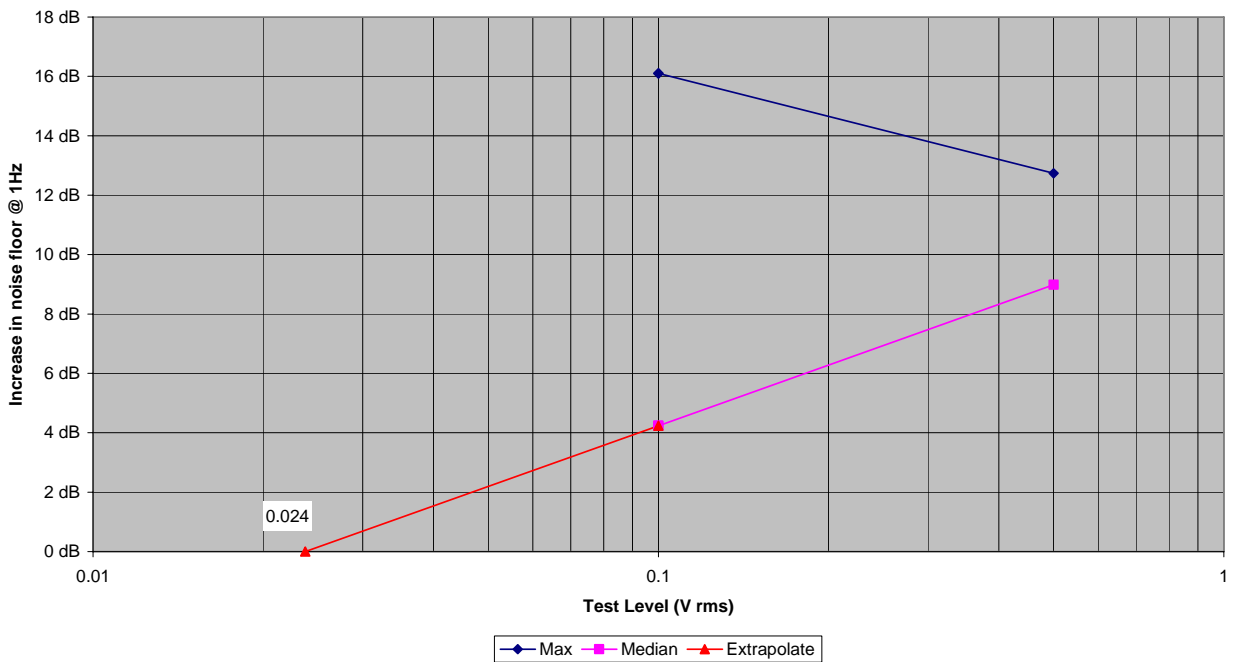


Figure 27





### 2.3.3 PSW

Noise PSD @ 1Hz, 28.248MHz DM EMI  
PSW

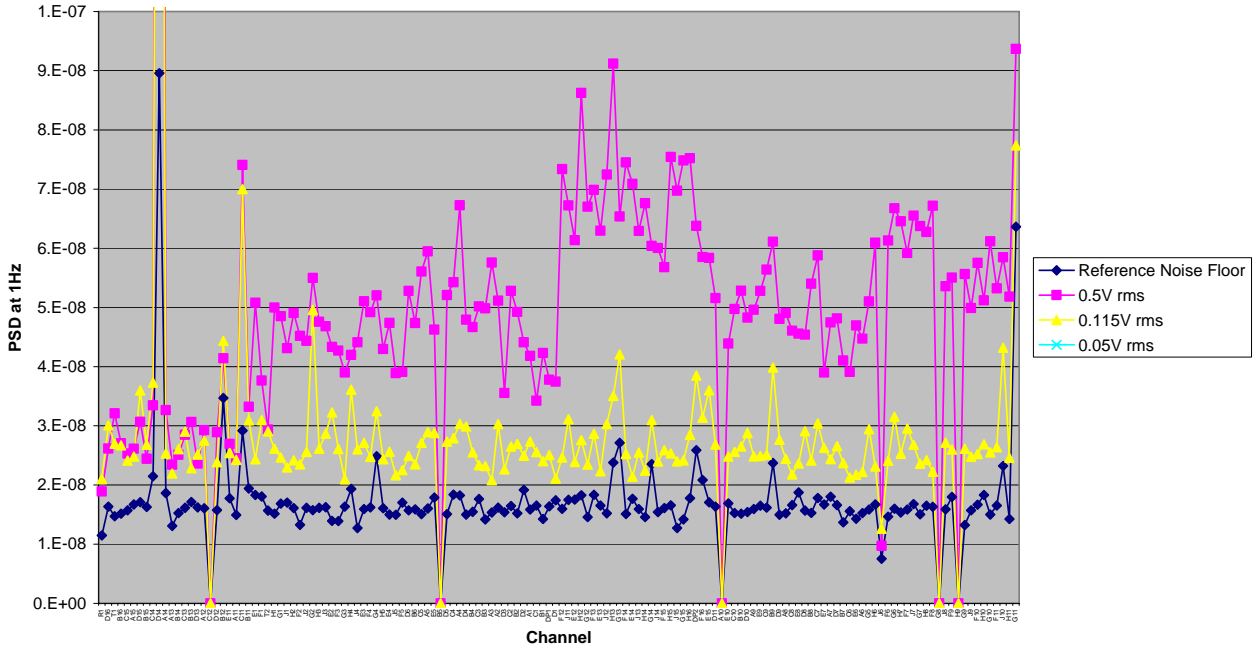


Figure 28

DM Threshold @ 28.248MHz  
PSW

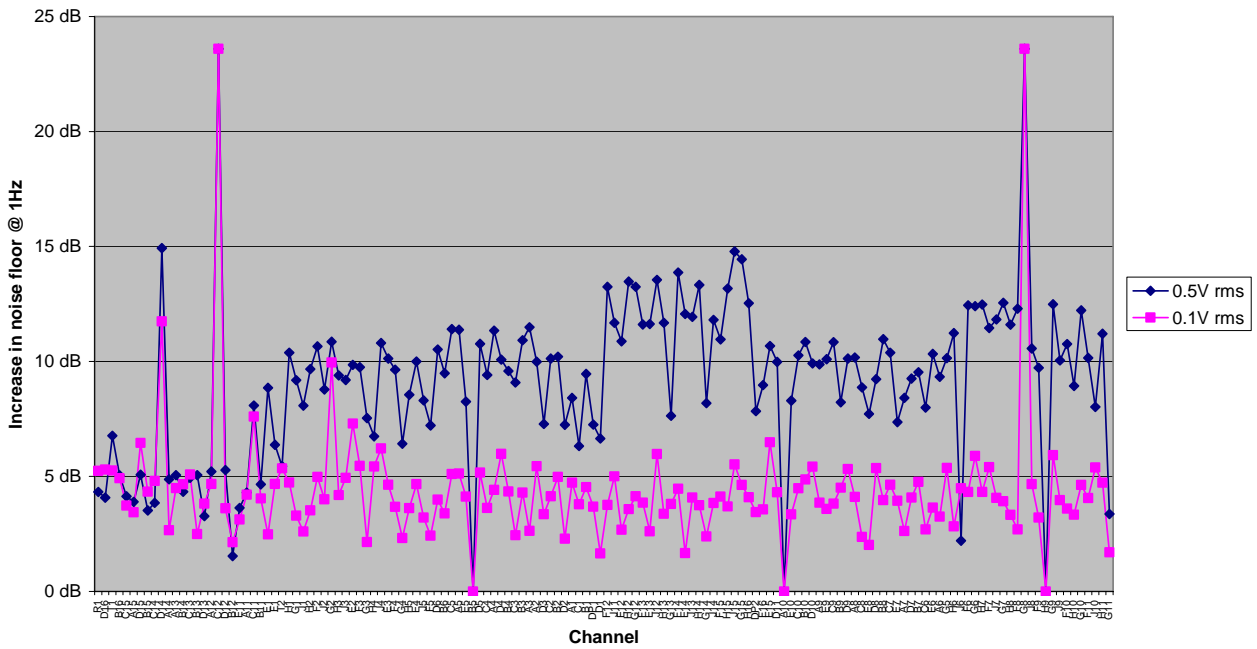


Figure 29



### Susceptibility Threshold @28.248MHz DM EMI PSW

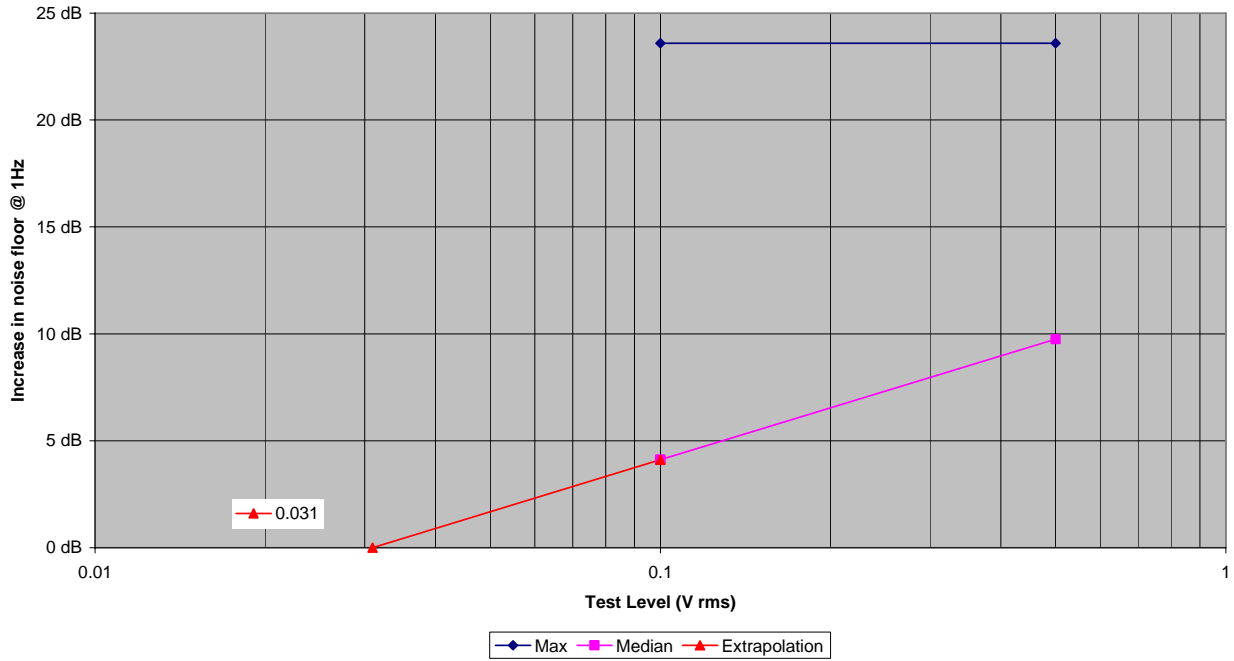


Figure 30

## 2.4 37.918MHz

### 2.4.1 PLW

Noise PSD @ 1Hz, 37.918MHz DM EMI  
PLW

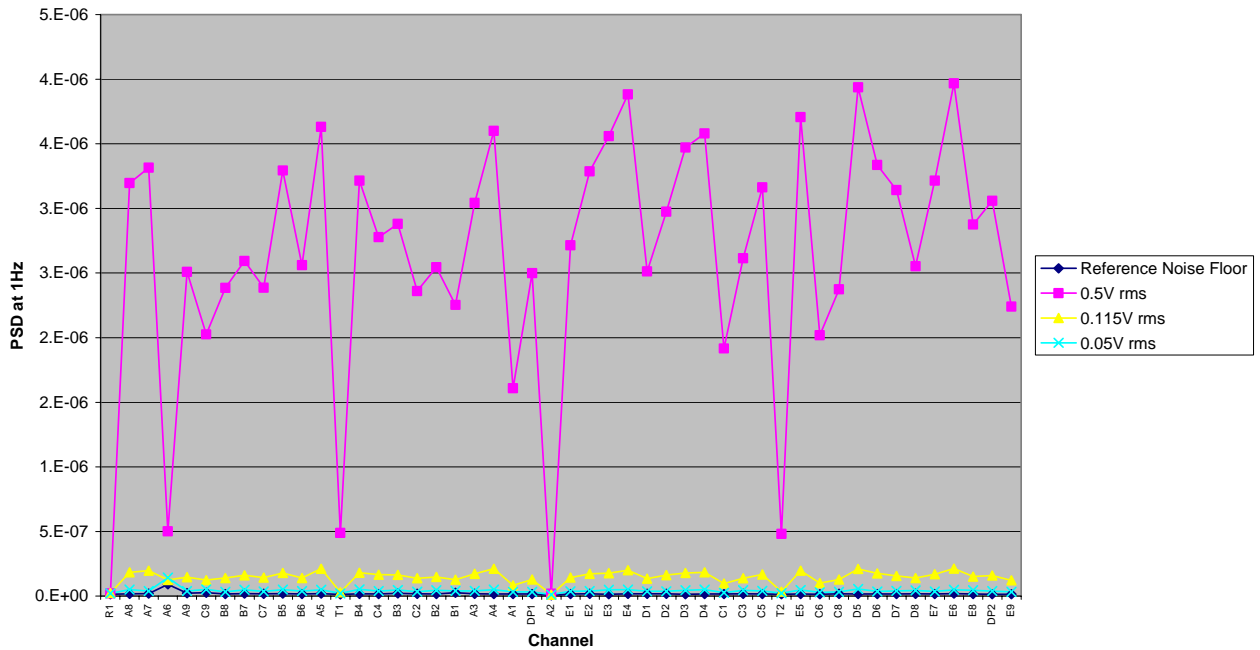


Figure 31

DM Threshold @ 37.918MHz  
PLW

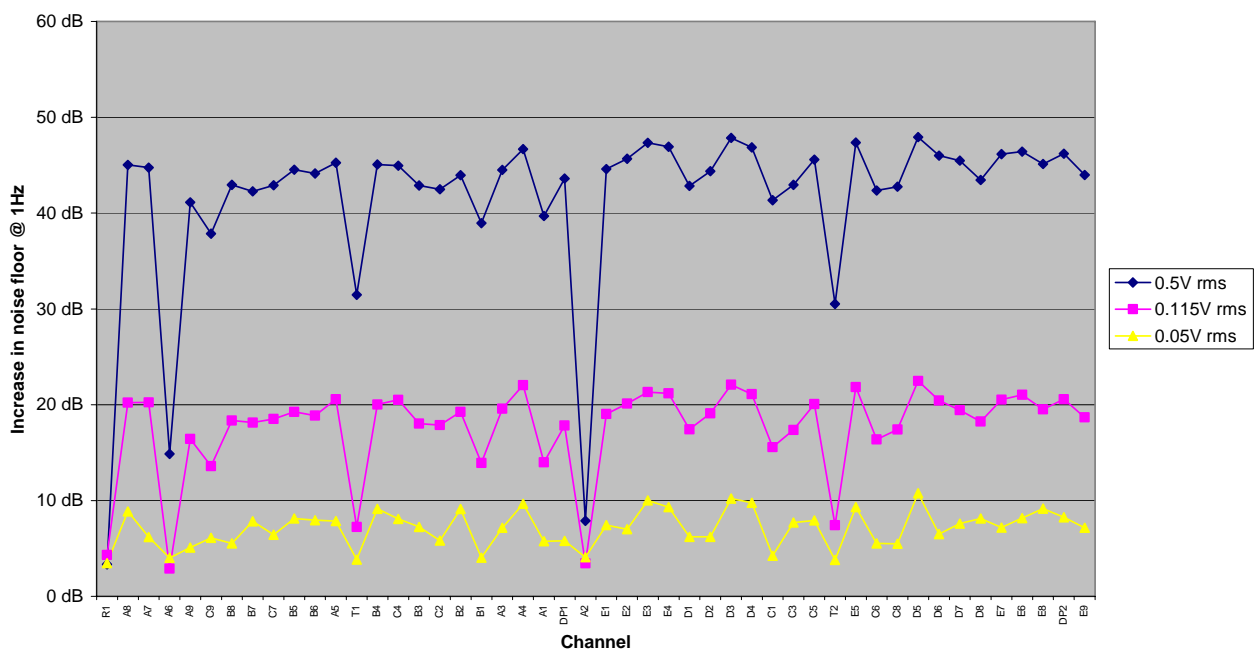


Figure 32

Susceptibility Threshold @ 37.918MHz DM EMI  
PLW

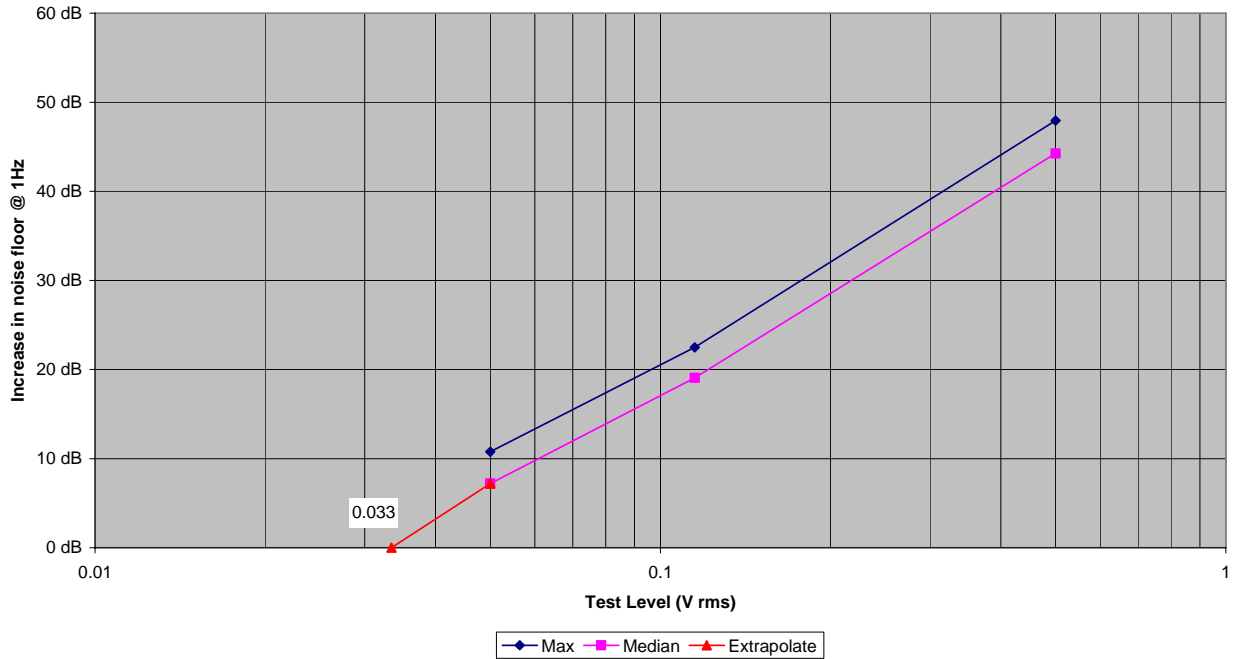


Figure 33

## 2.4.2 PMW

Noise PSD @ 1Hz, 37.918MHz DM EMI  
PMW

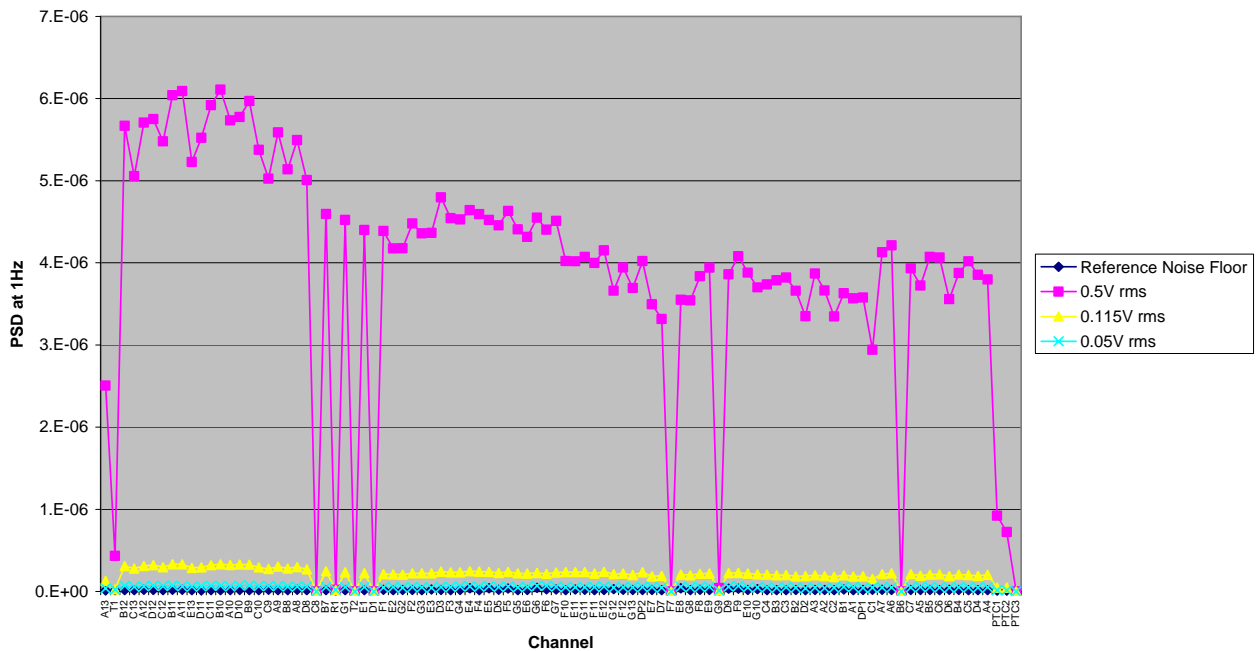


Figure 34



DM Threshold @ 37.918MHz  
PMW

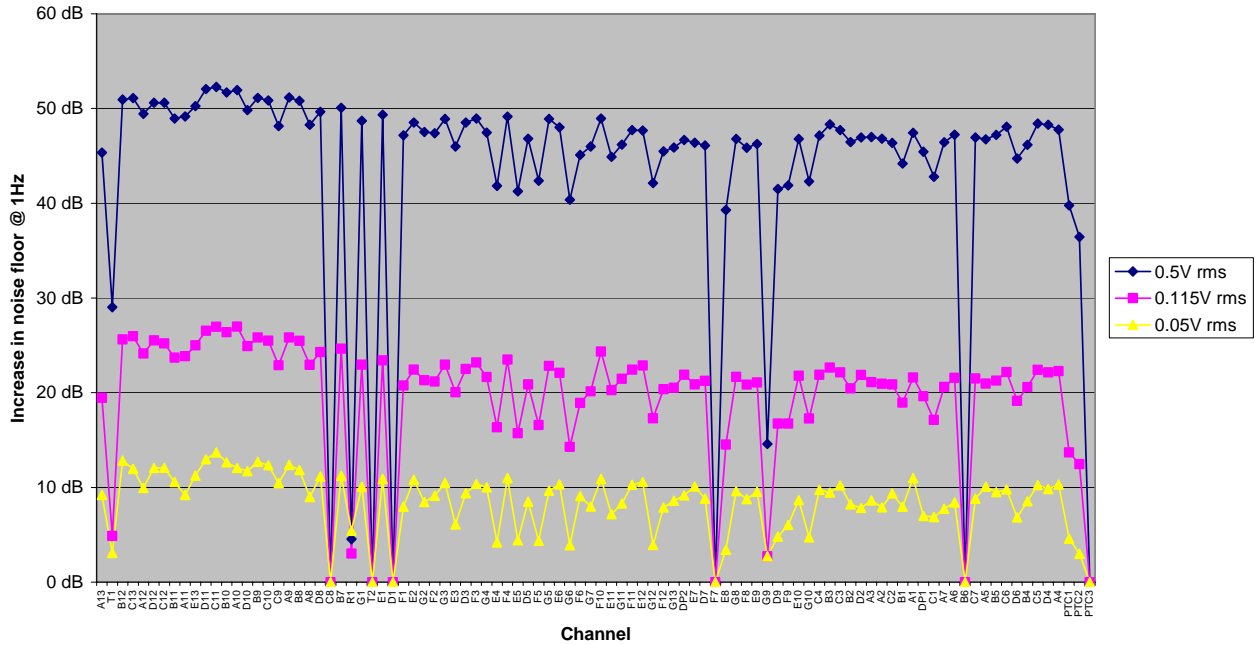


Figure 35

Susceptibility Threshold @ 37.918MHz DM EMI  
PMW

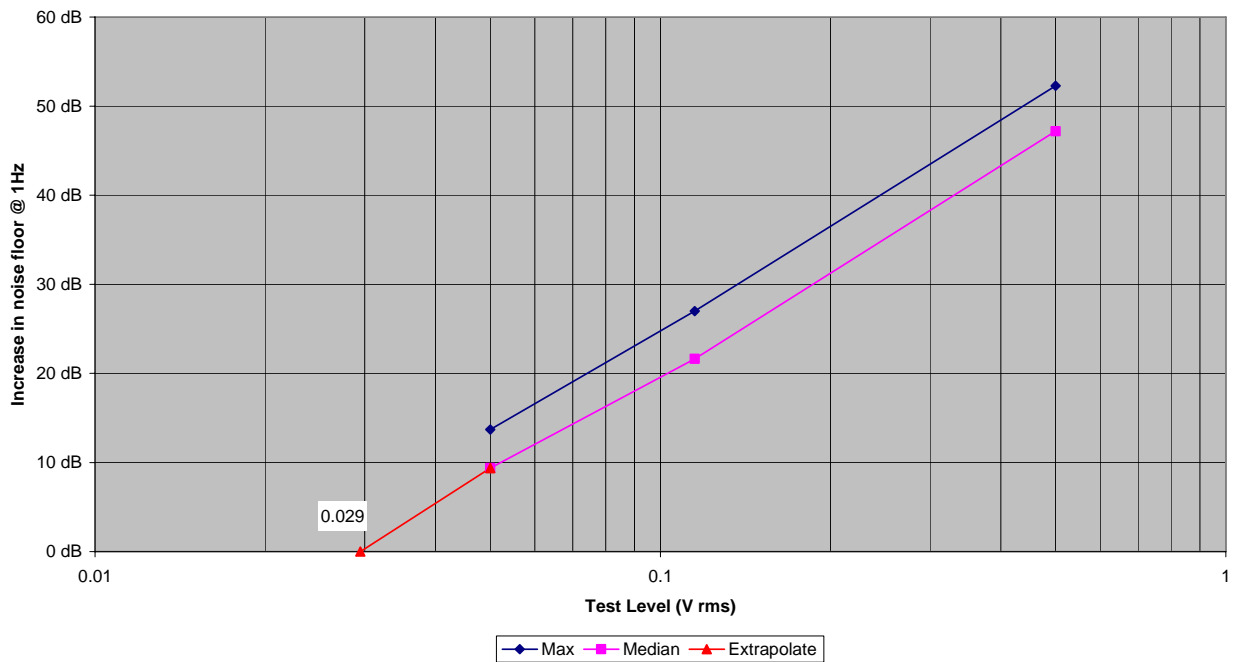


Figure 36

## 2.4.3 PSW

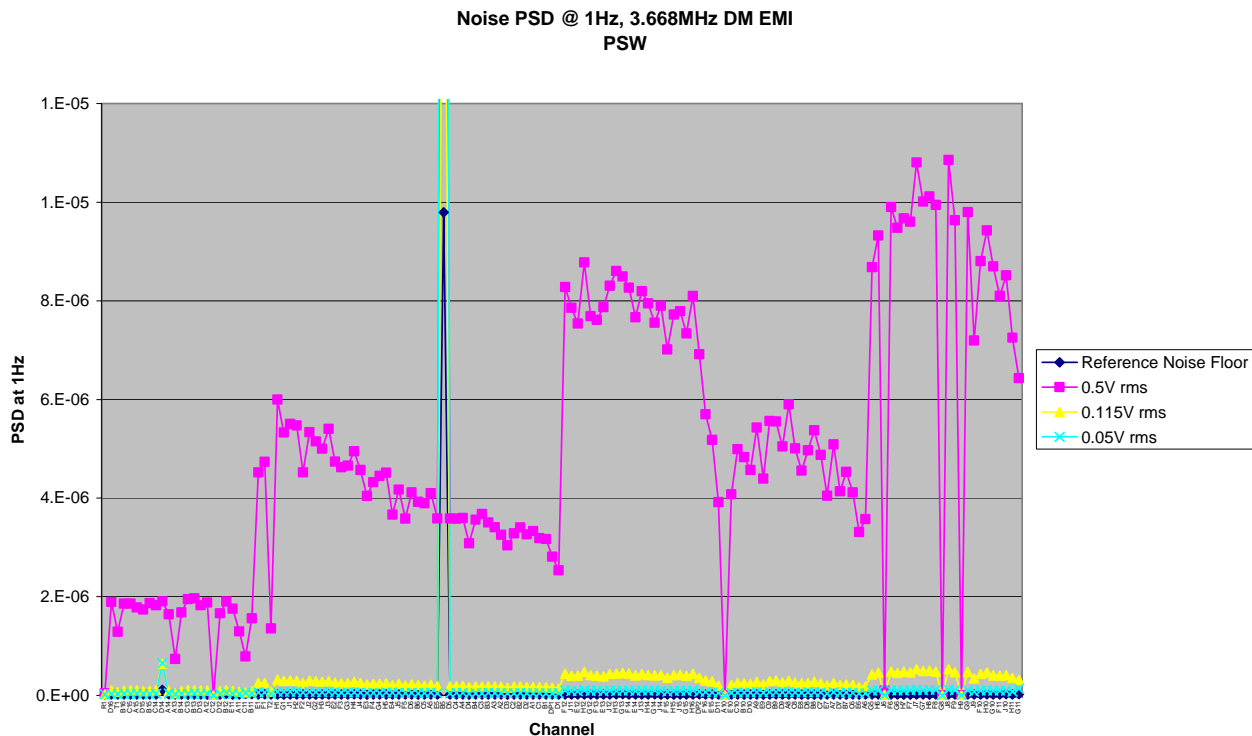


Figure 37

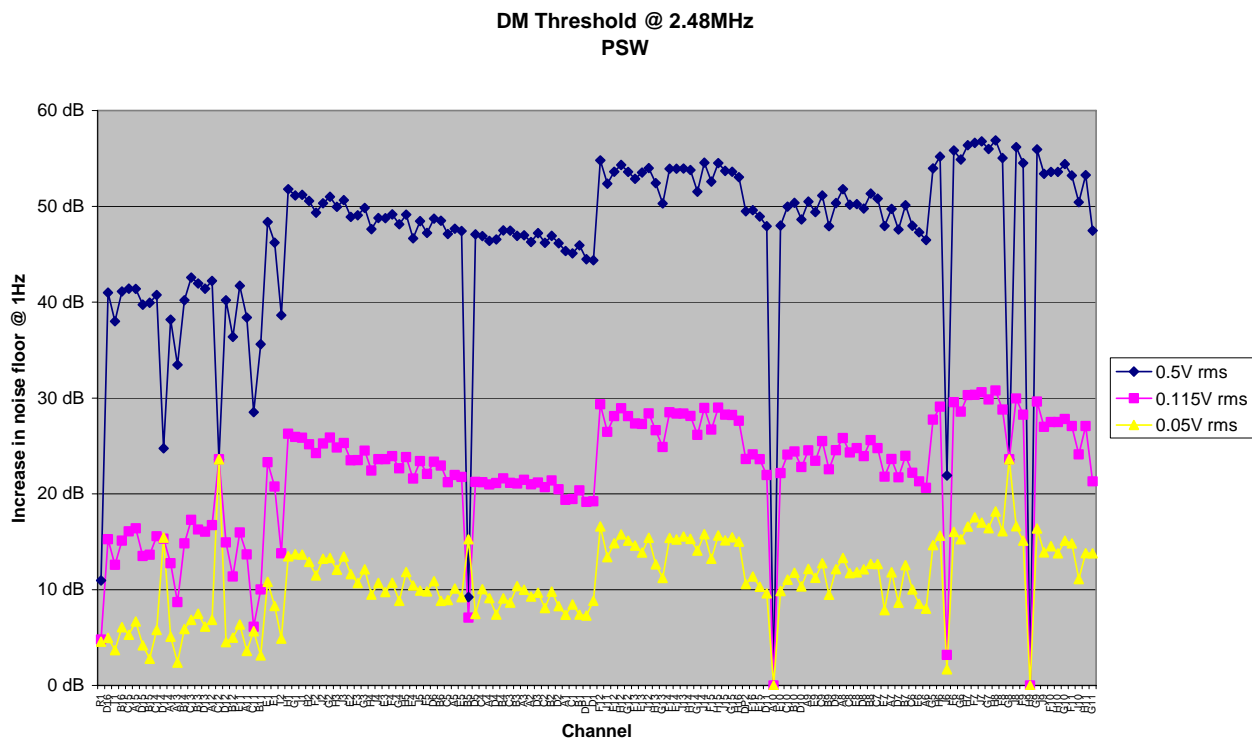


Figure 38



### Susceptibility Threshold @ 2.48MHz DM EMI PSW

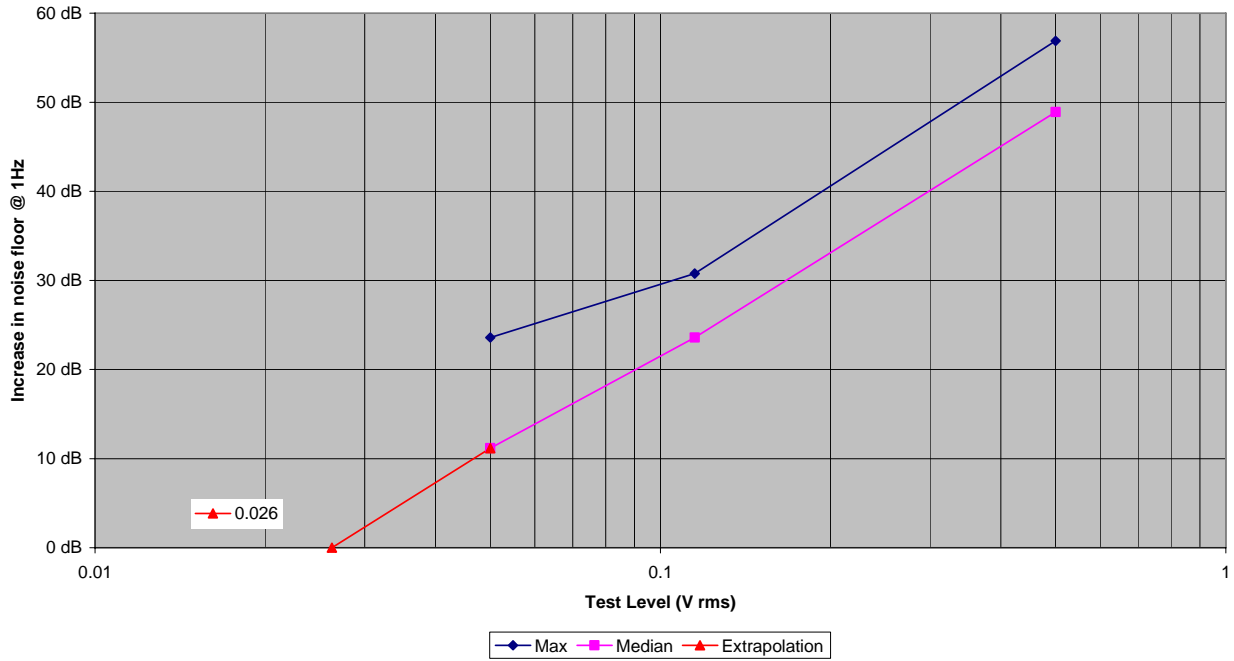


Figure 39



## 3. Common Mode

### 3.1 6MHz

#### 3.1.1 PLW

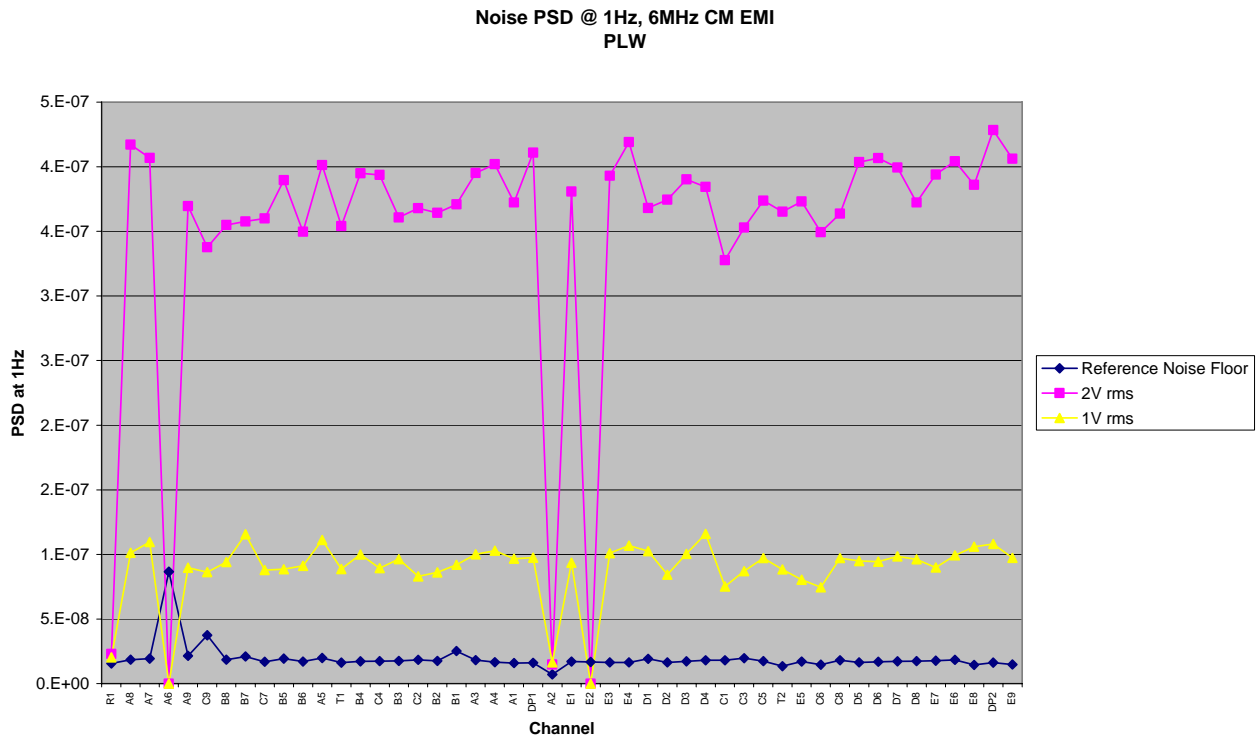


Figure 40





### CM Threshold @ 6MHz PLW

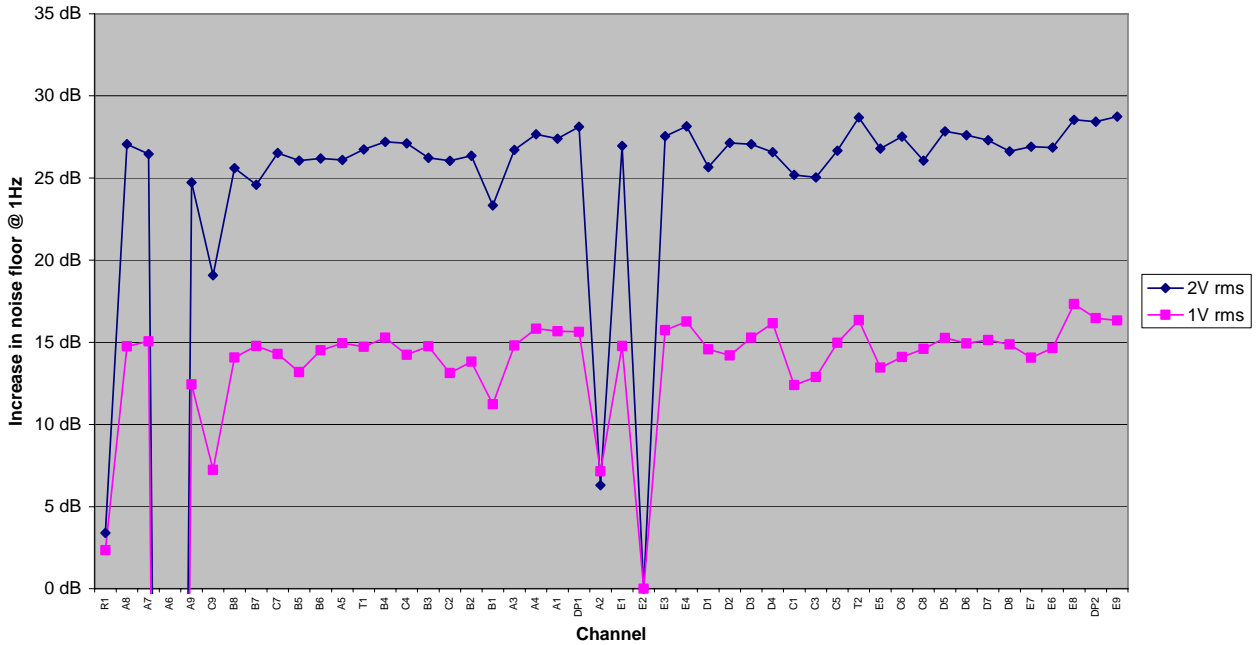


Figure 41

### Susceptibility Threshold @ 6MHz CM EMI PLW

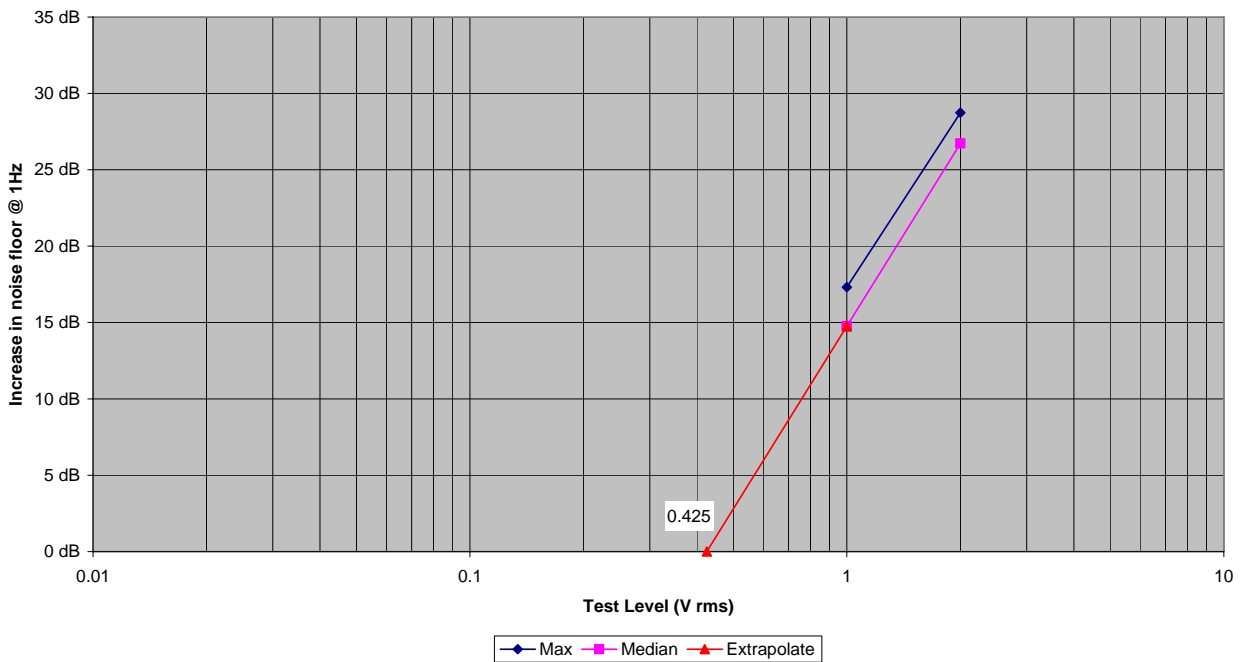


Figure 42



## 3.1.2 PMW

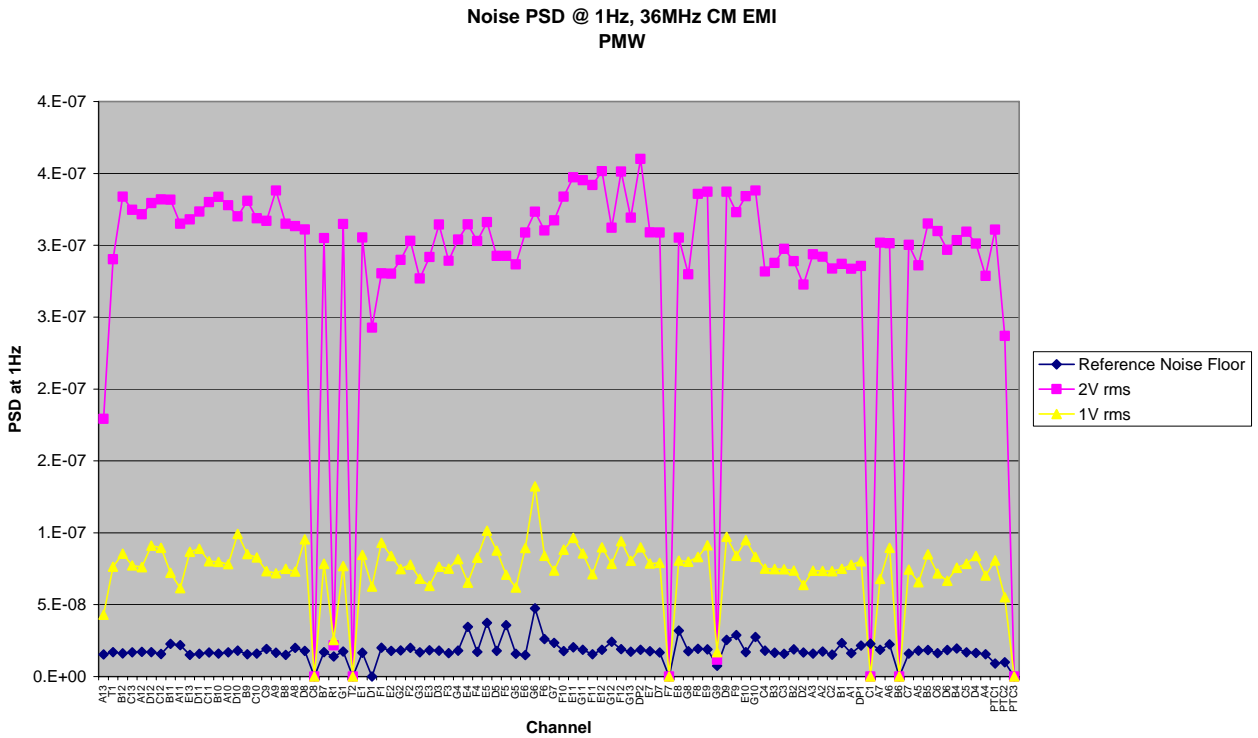


Figure 43

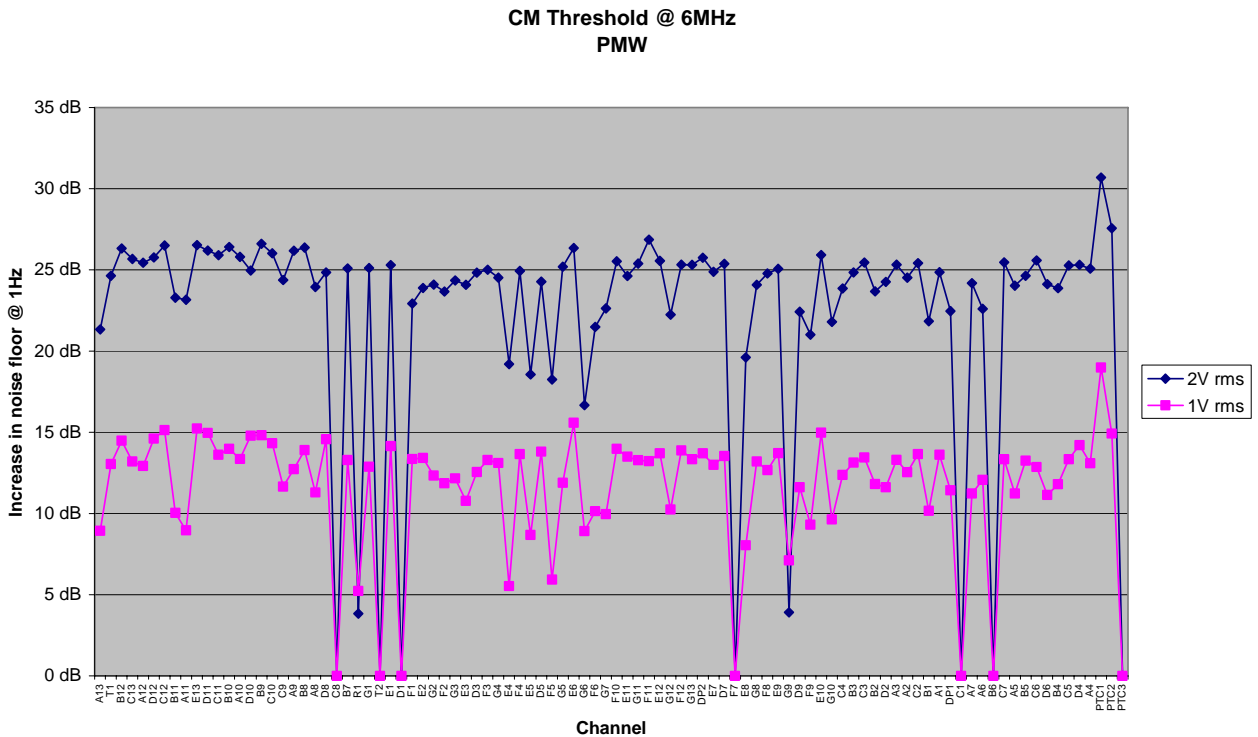


Figure 44

Susceptibility Threshold @ 6MHz CM EMI  
PMW

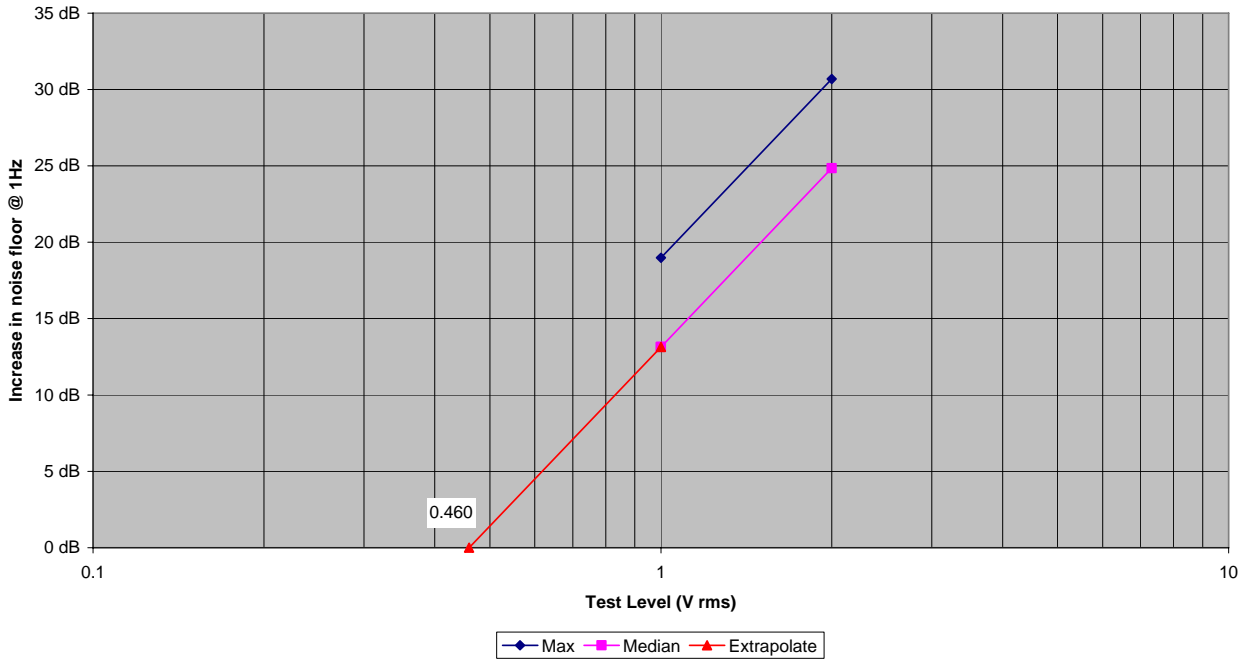


Figure 45

### 3.1.3 PSW

Noise PSD @ 1Hz, 6MHz CM EMI  
PSW

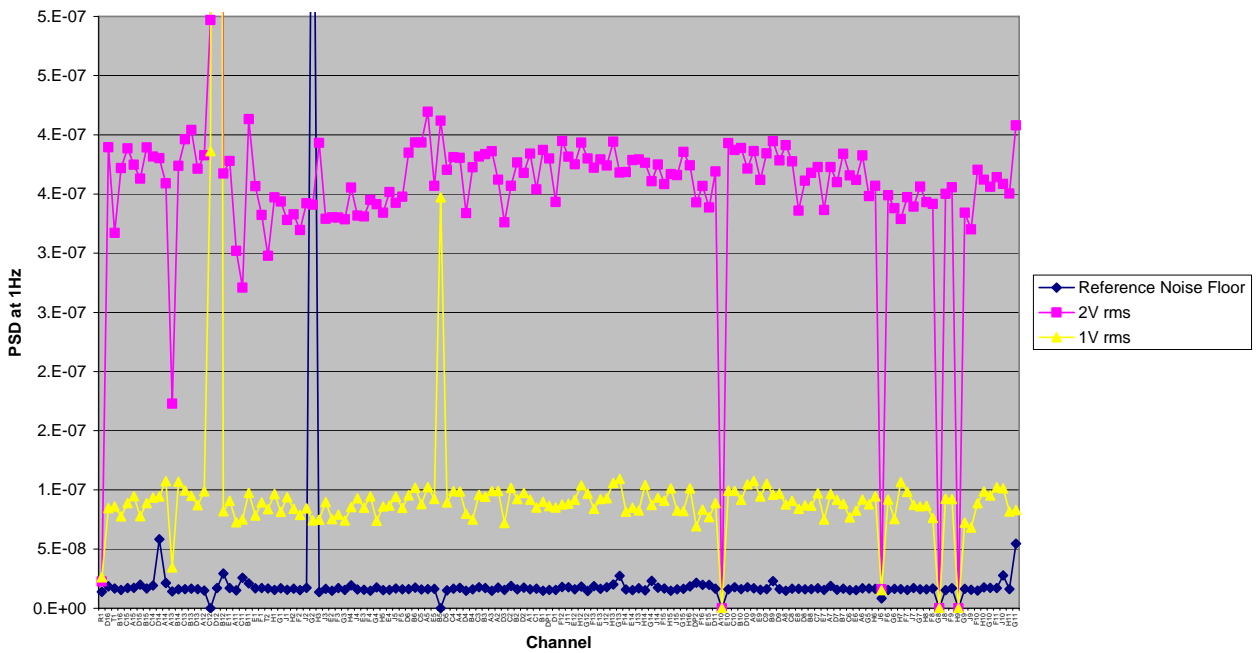


Figure 46



CM Threshold @ 6MHz  
PSW

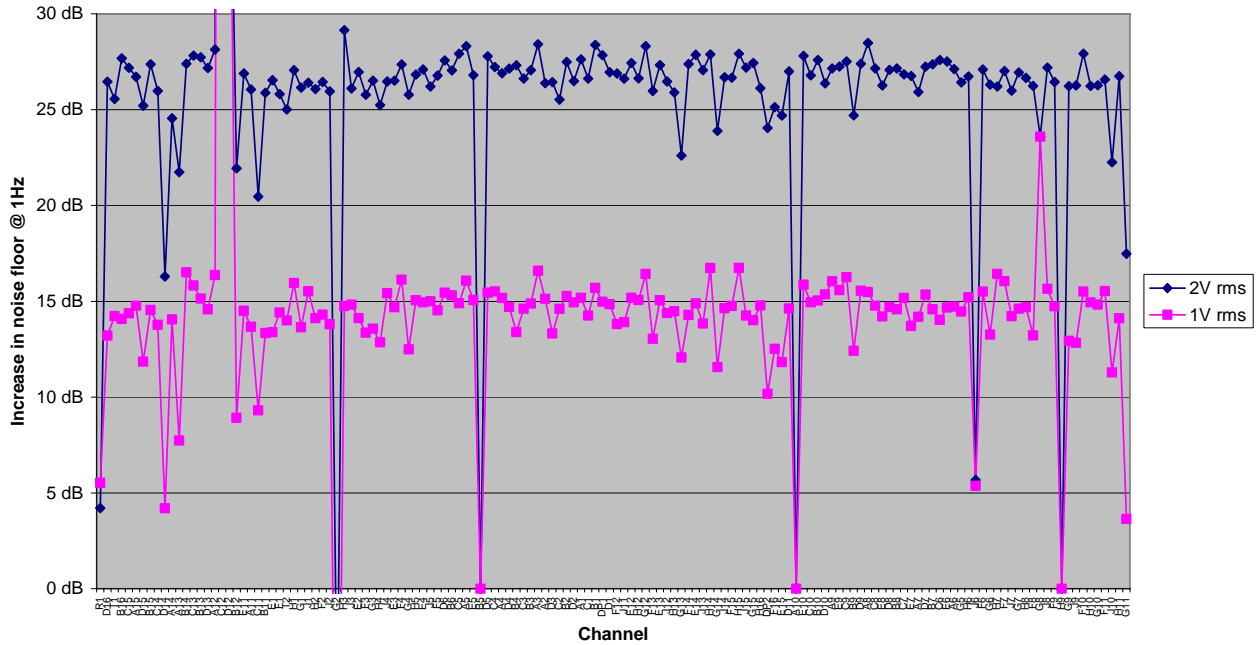


Figure 47

Susceptibility Threshold @ 6MHz CM EMI  
PSW

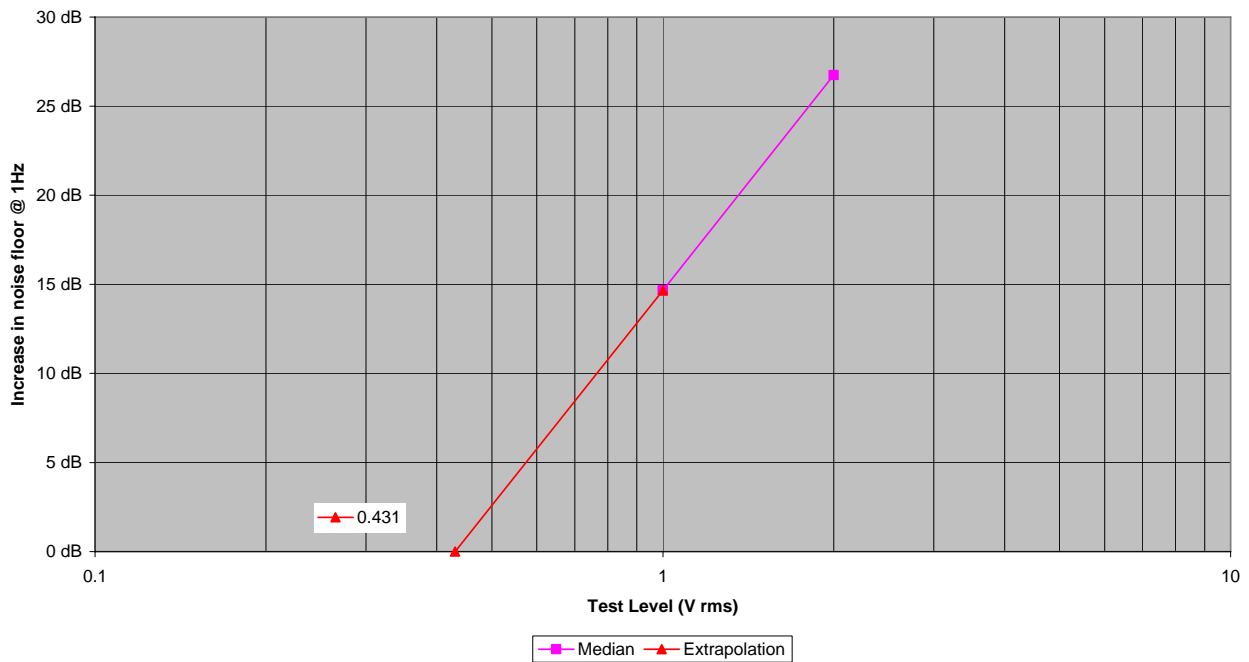


Figure 48



## 3.2 15.3MHz

### 3.2.1 PLW

Noise PSD @ 1Hz, 15.3MHz CM EMI  
PLW

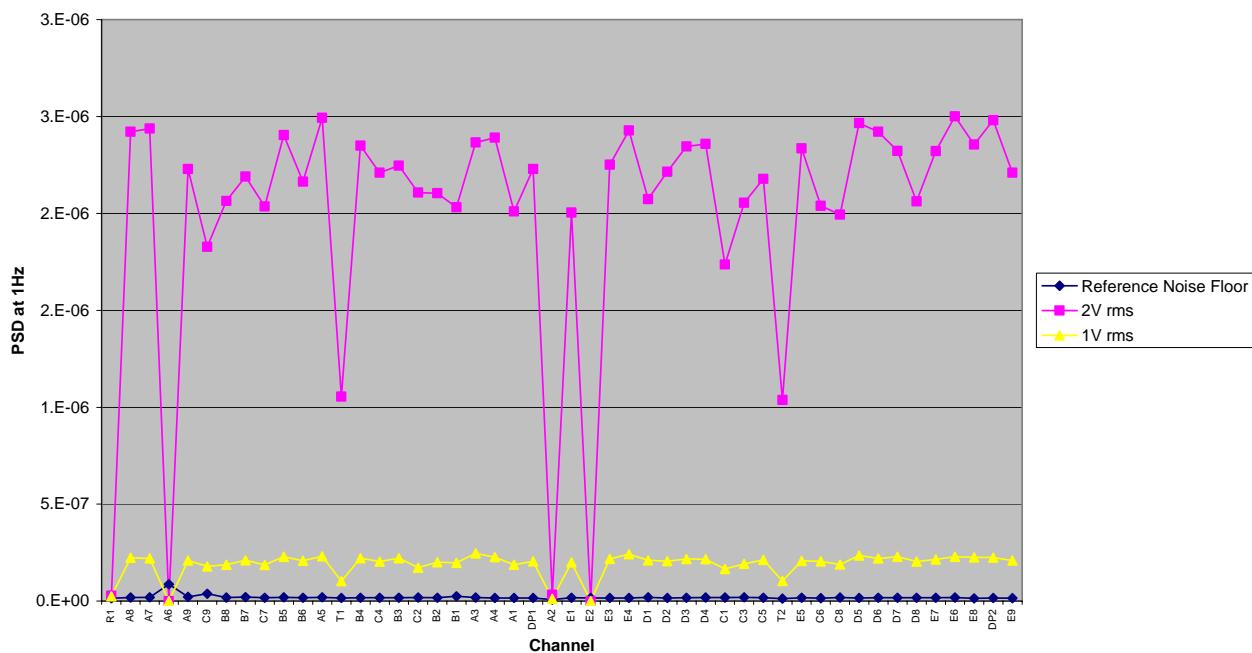


Figure 49

CM Threshold @ 15.3MHz  
PLW

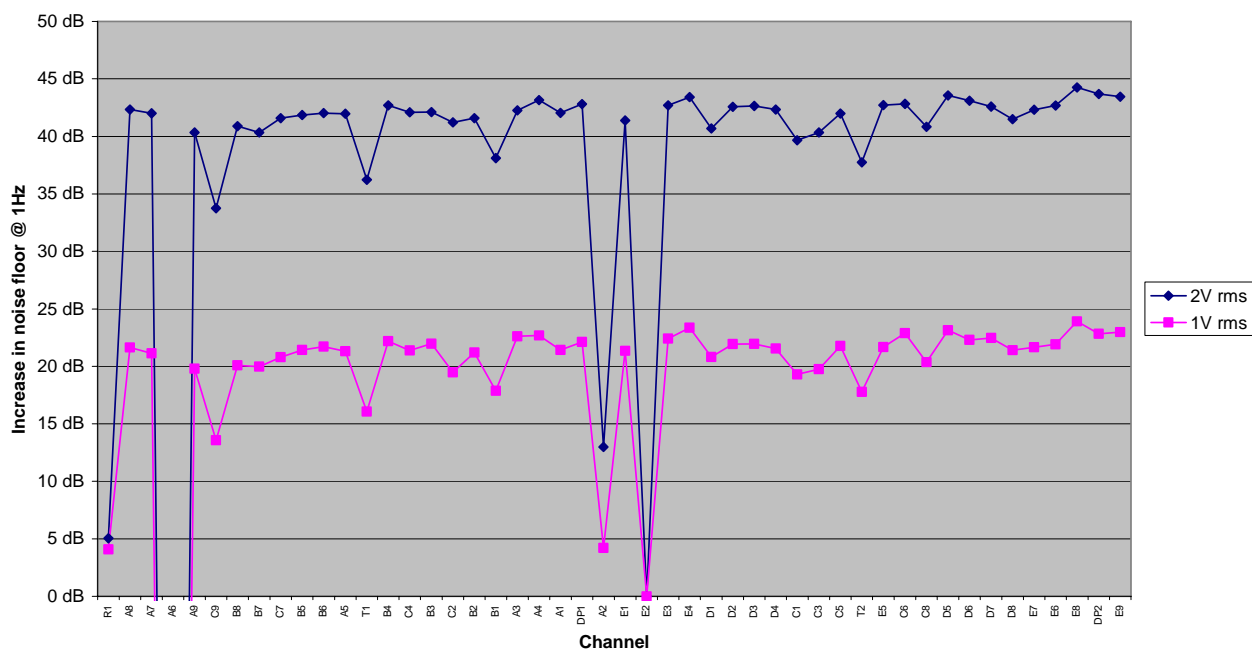


Figure 50

### Susceptibility Threshold @ 15.3MHz CM EMI PLW

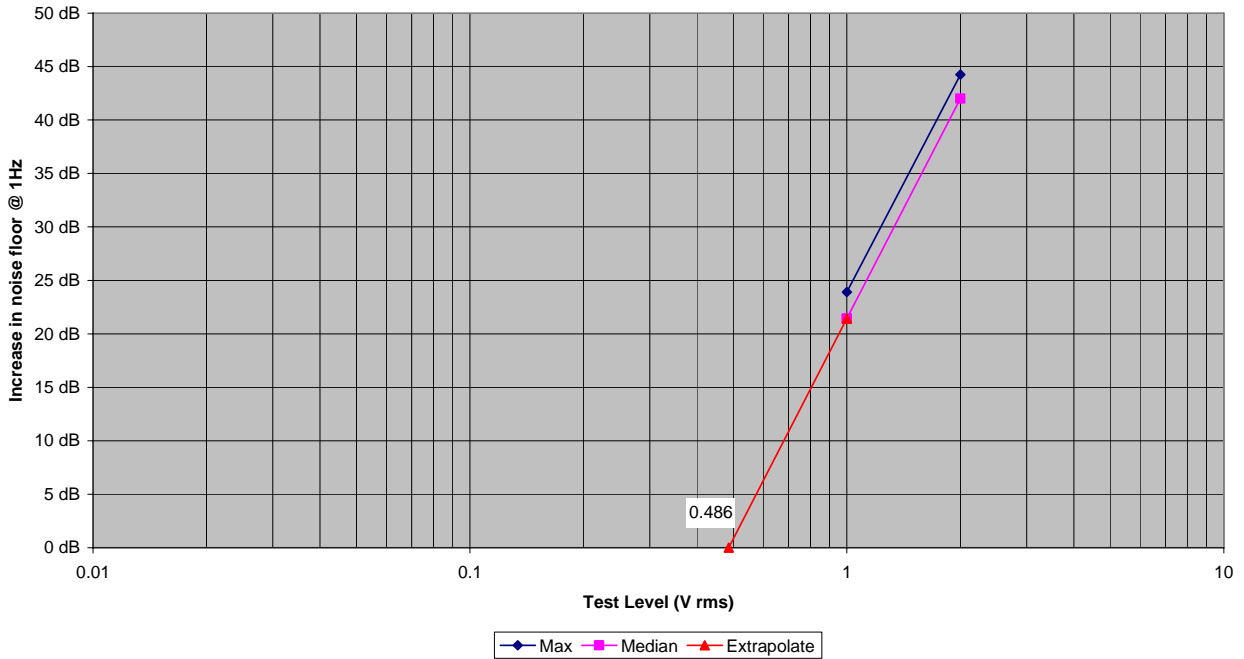


Figure 51

### 3.2.2 PMW

#### Noise PSD @ 1Hz, 15.3MHz CM EMI PMW

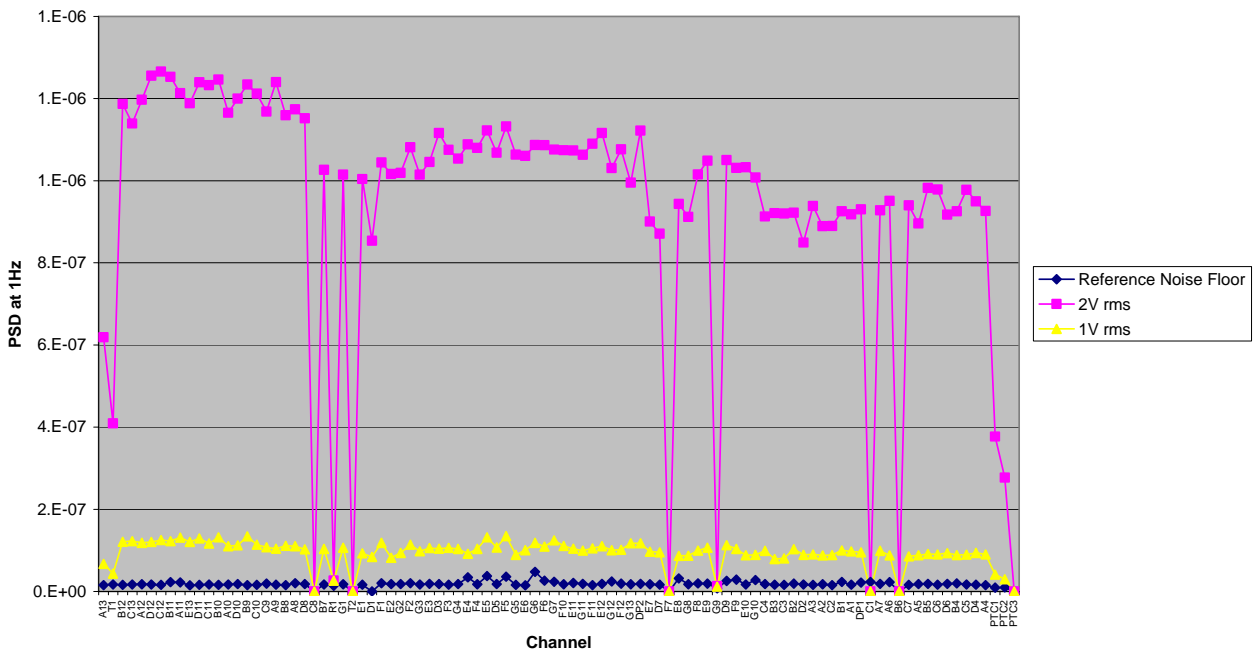


Figure 52



CM Threshold @ 15.3MHz  
PMW

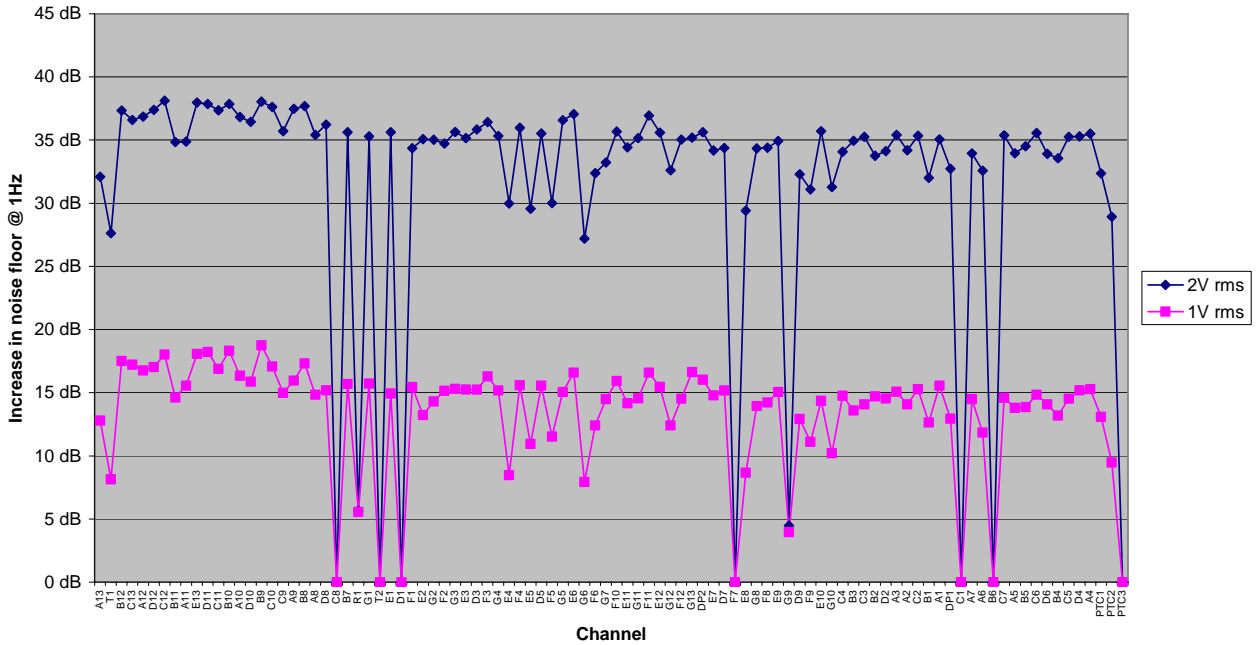


Figure 53

Susceptibility Threshold @ 15.3MHz CM EMI  
PMW

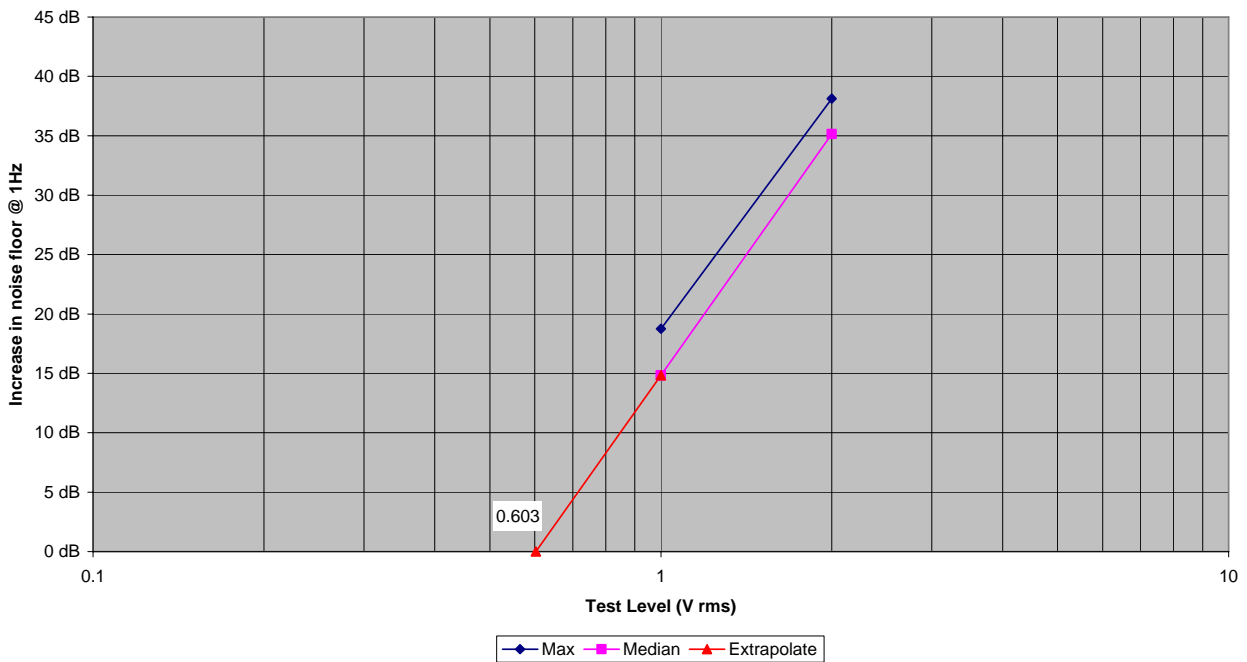


Figure 54



### 3.2.3 PSW

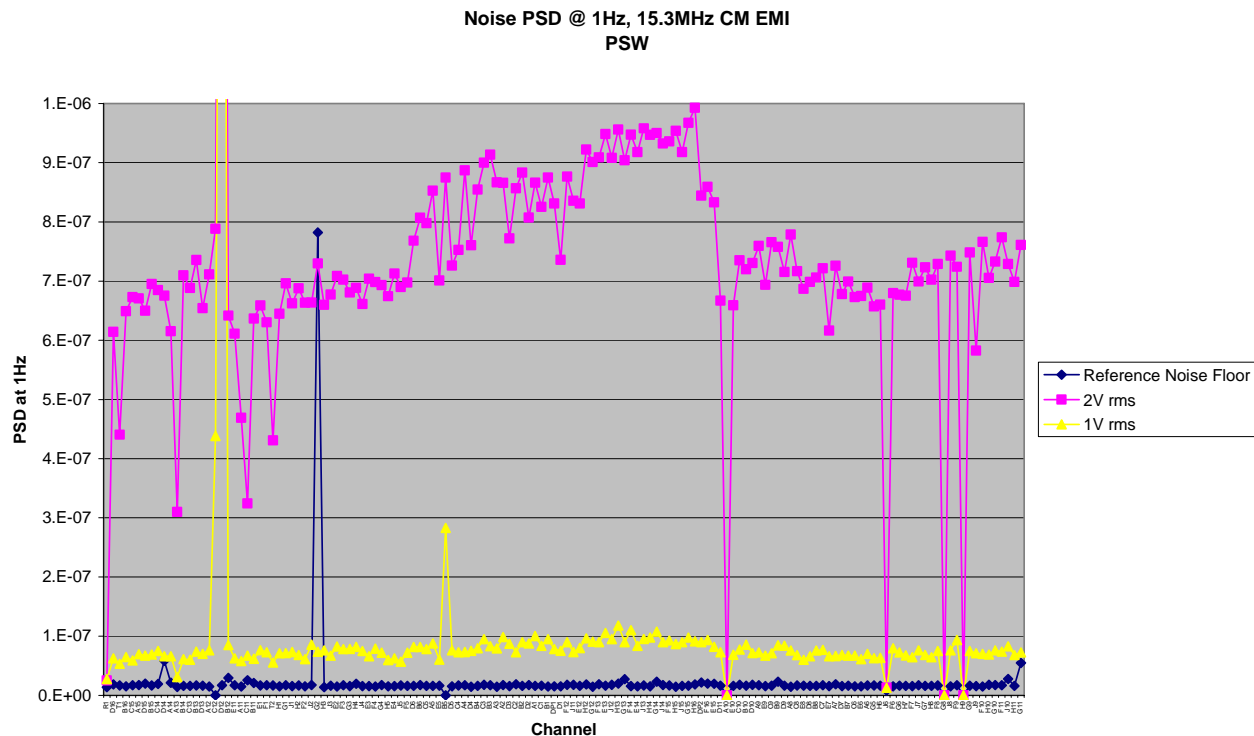


Figure 55

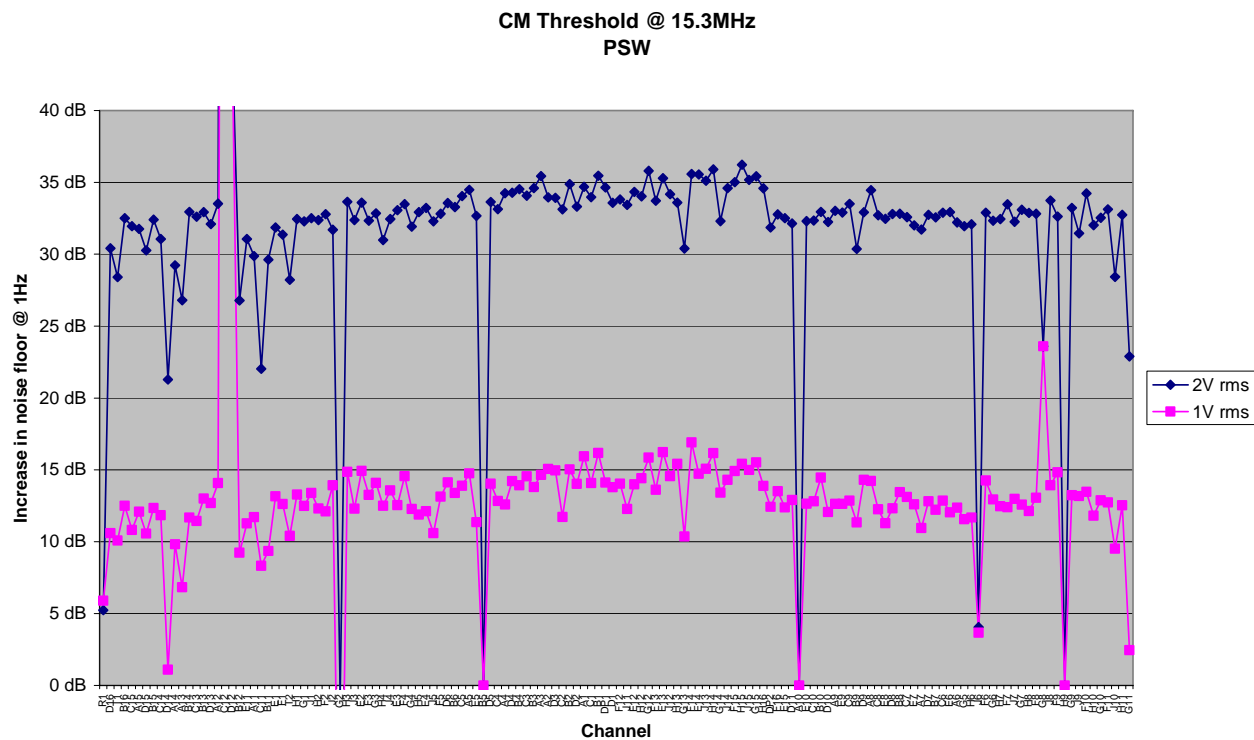


Figure 56





### Susceptibility Threshold @ 15.3MHz CM EMI PSW

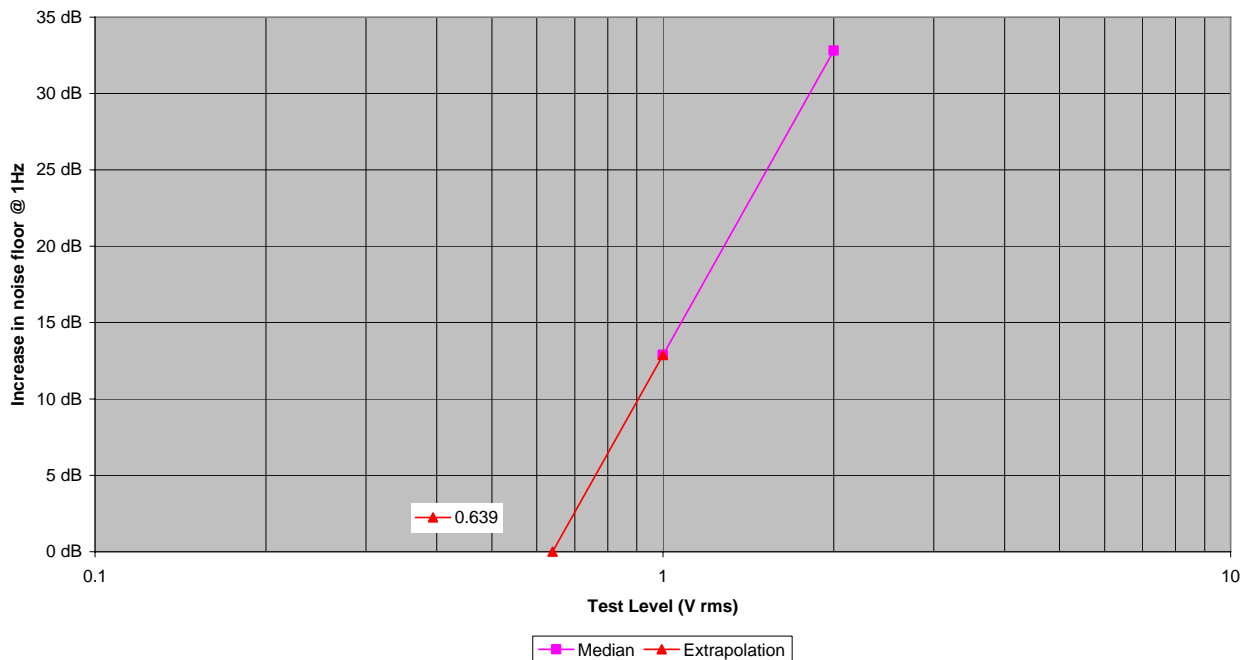


Figure 57



## 3.3 34MHz

### 3.3.1 PLW

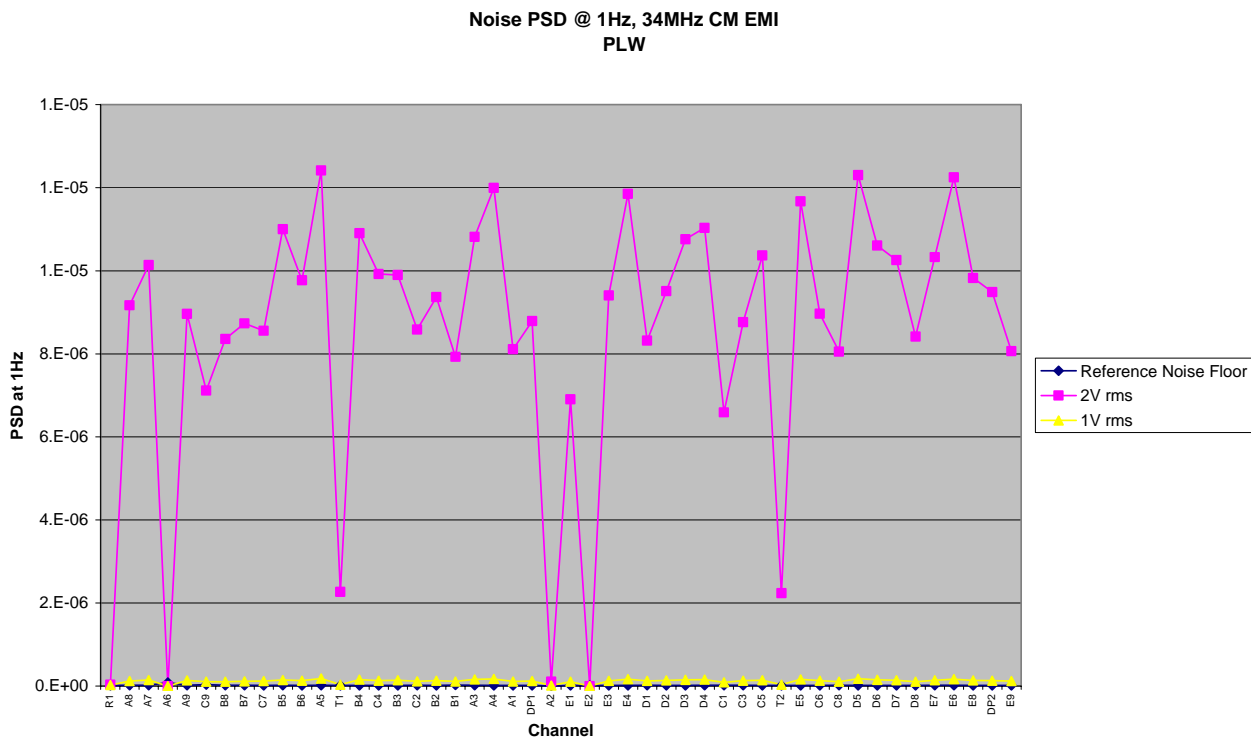


Figure 58

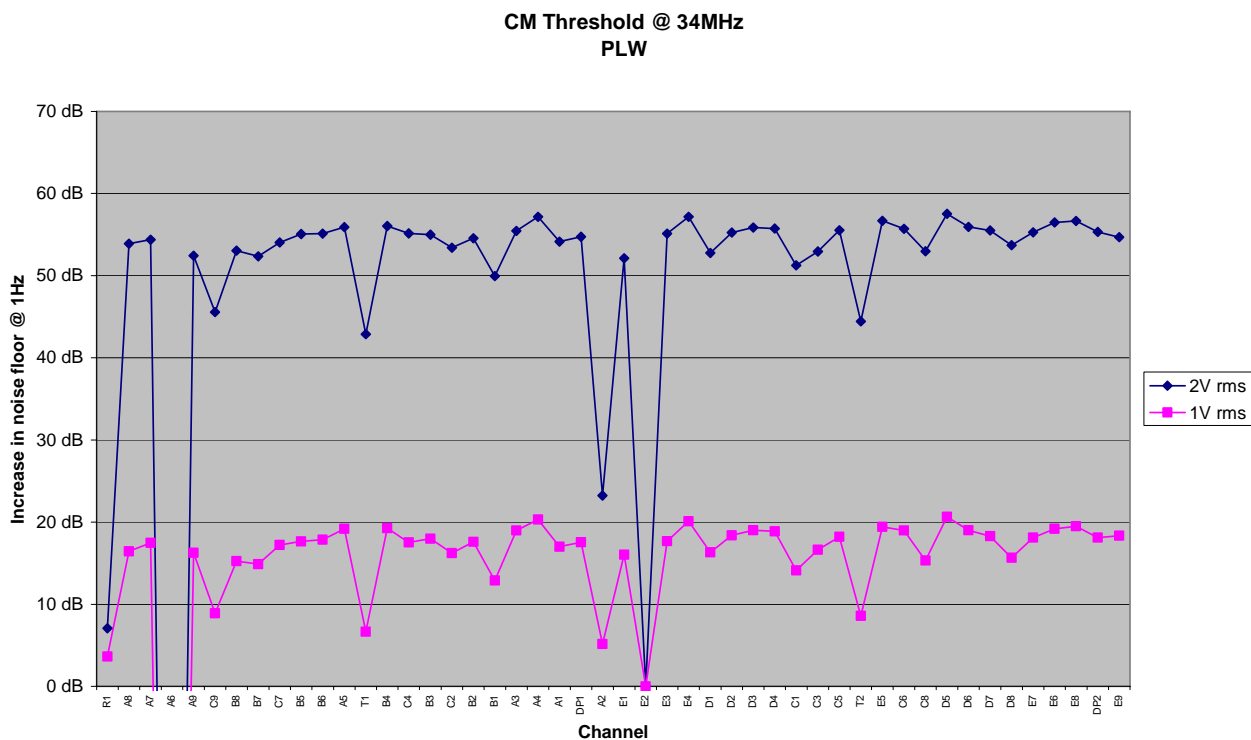


Figure 59

Susceptibility Threshold @ 34MHz CM EMI  
PLW

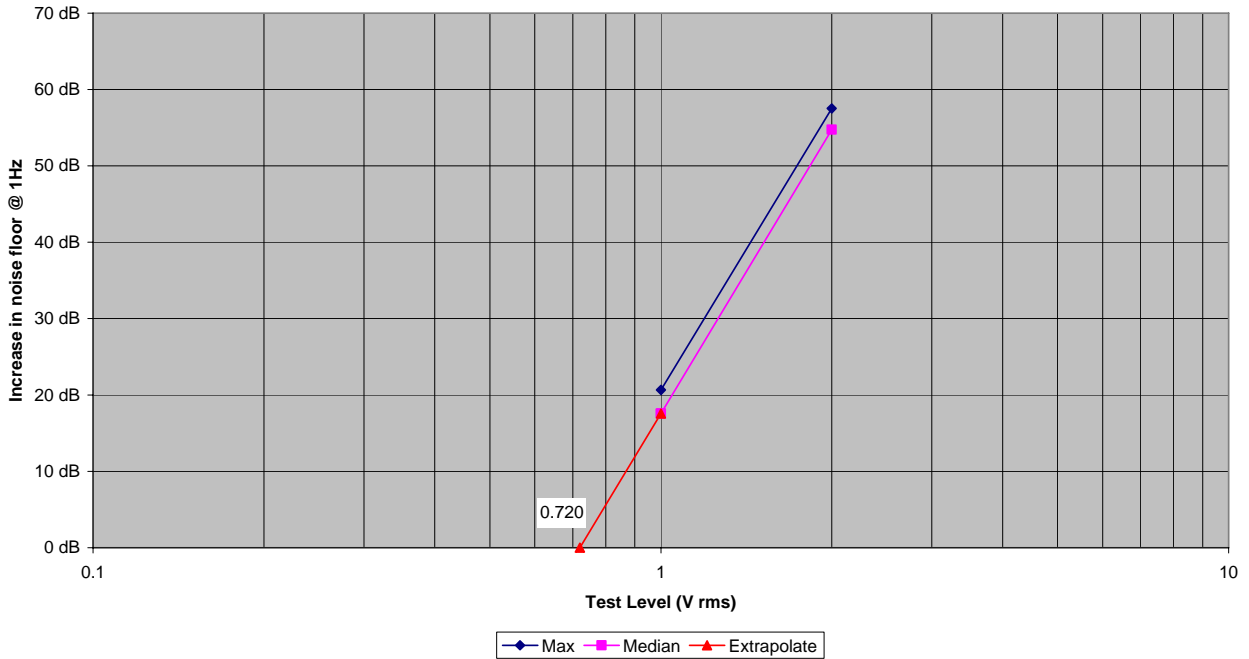


Figure 60

### 3.3.2 PMW

Noise PSD @ 1Hz, 34MHz CM EMI  
PMW

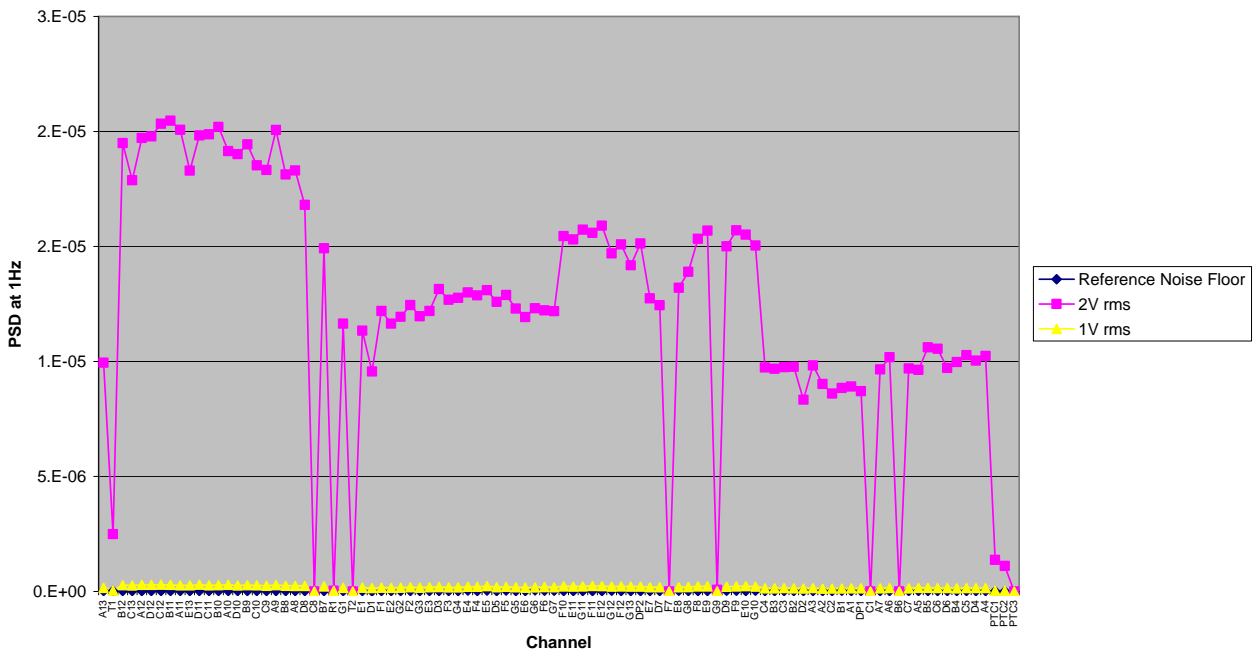
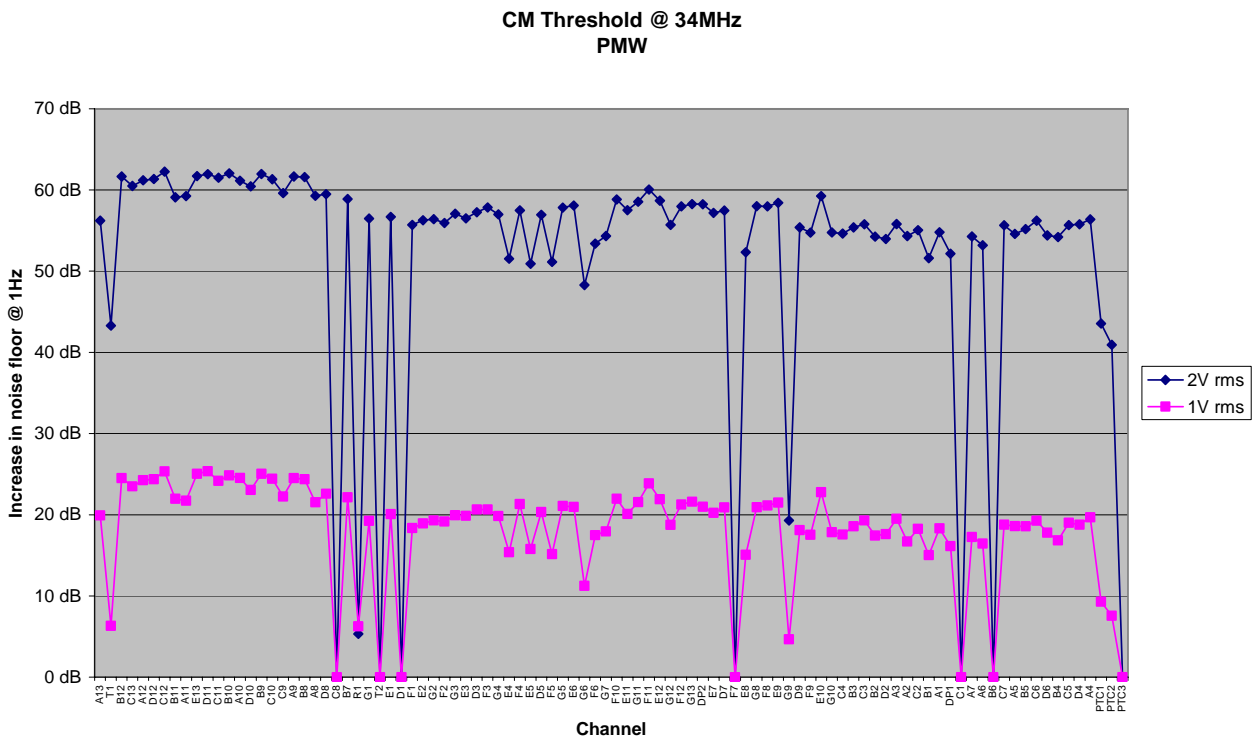
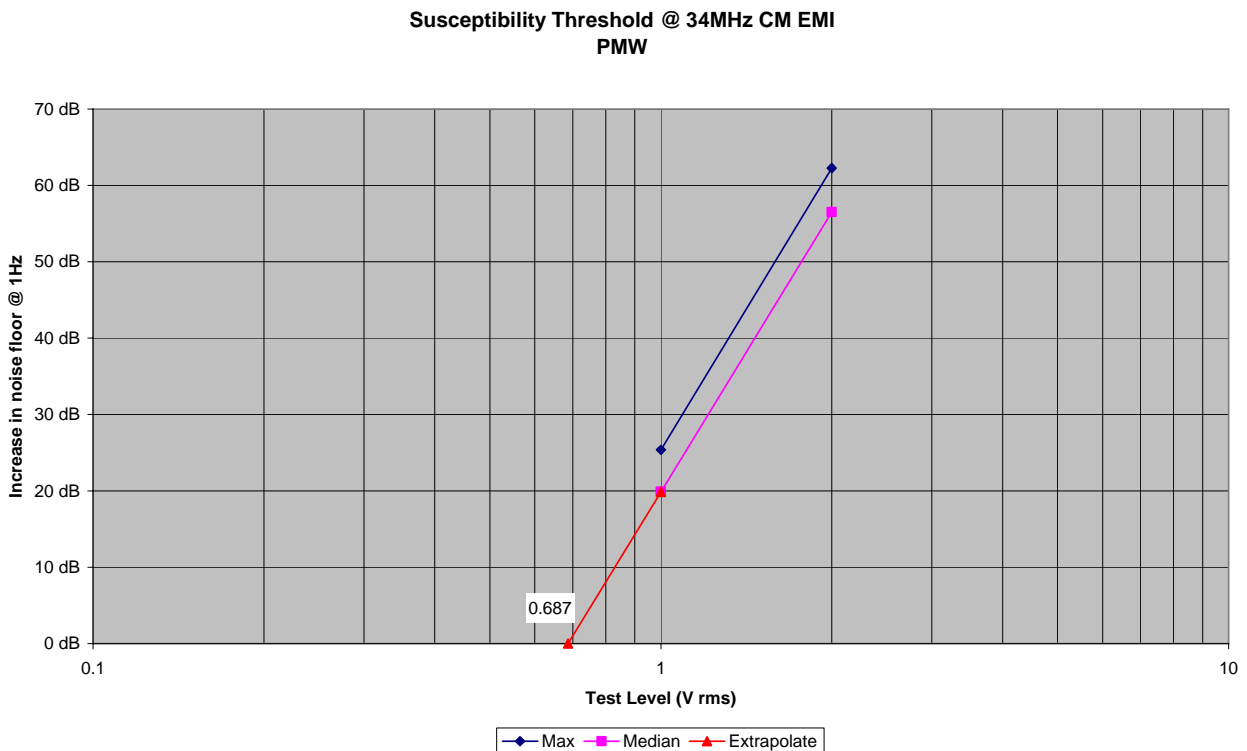


Figure 61



**Figure 62**



**Figure 63**

### 3.3.3 PSW

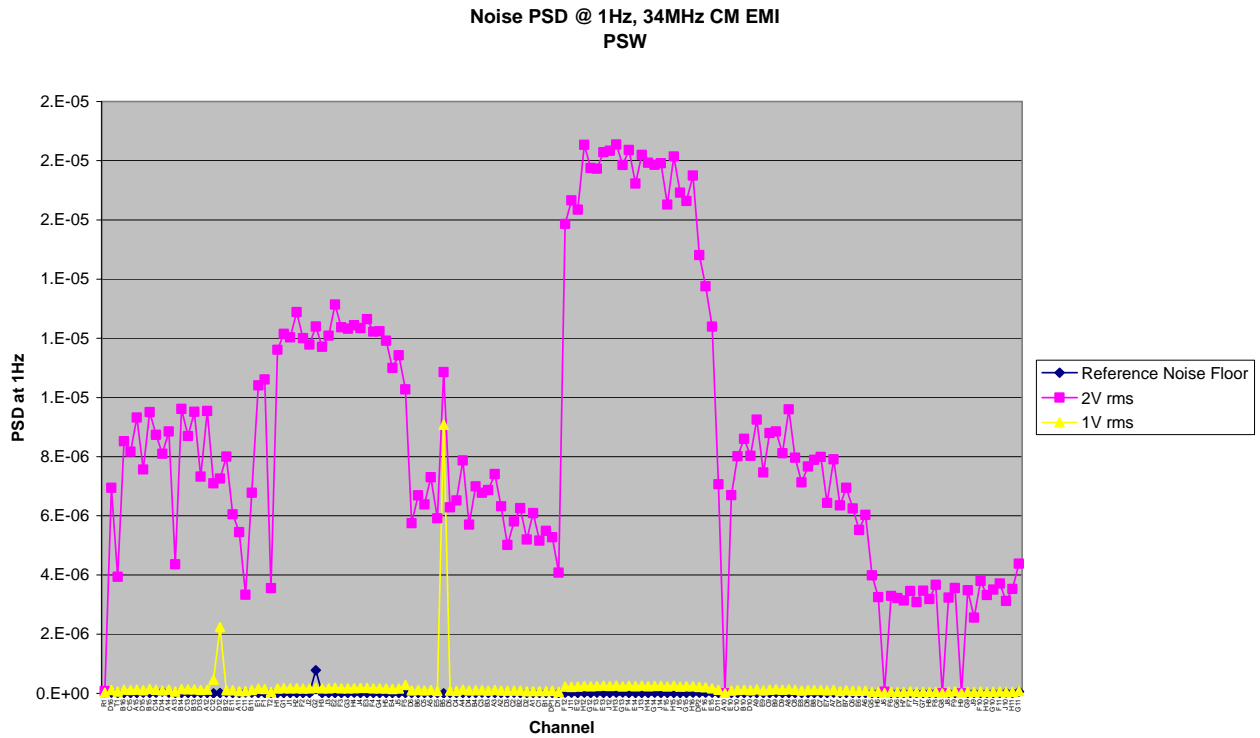


Figure 64

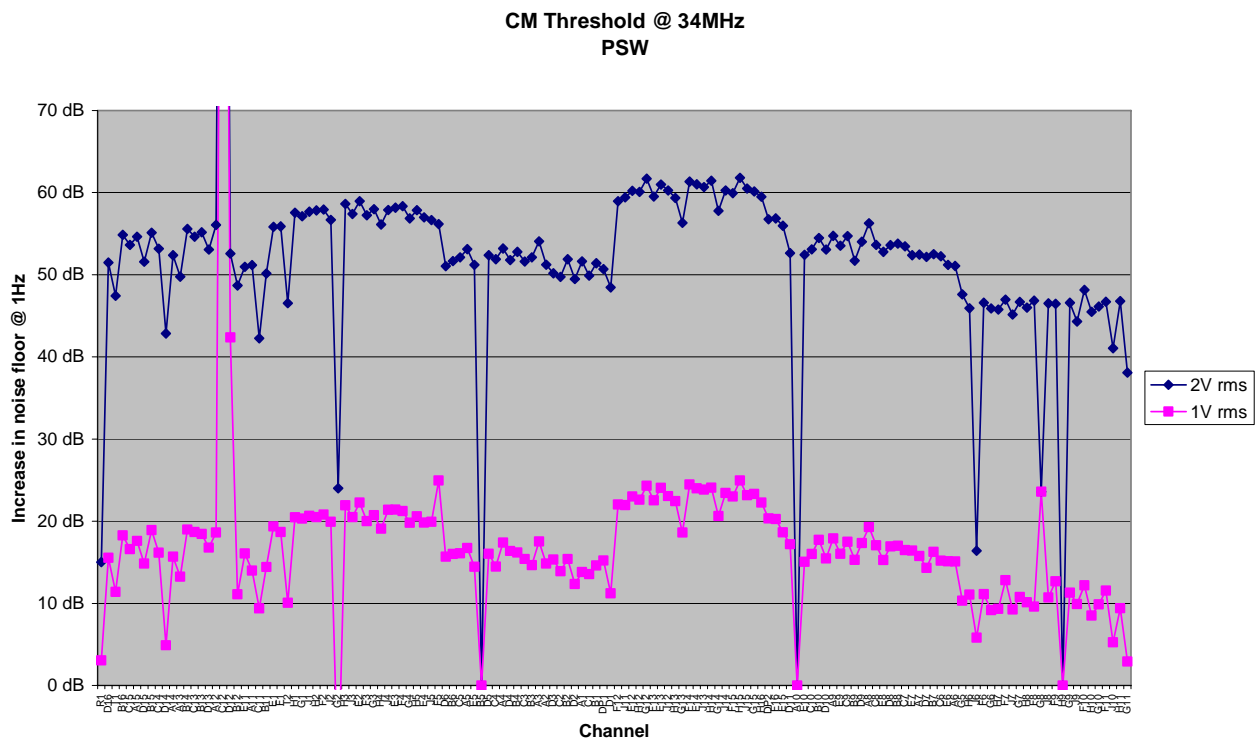


Figure 65



### Susceptibility Threshold @ 34MHz CM EMI PSW

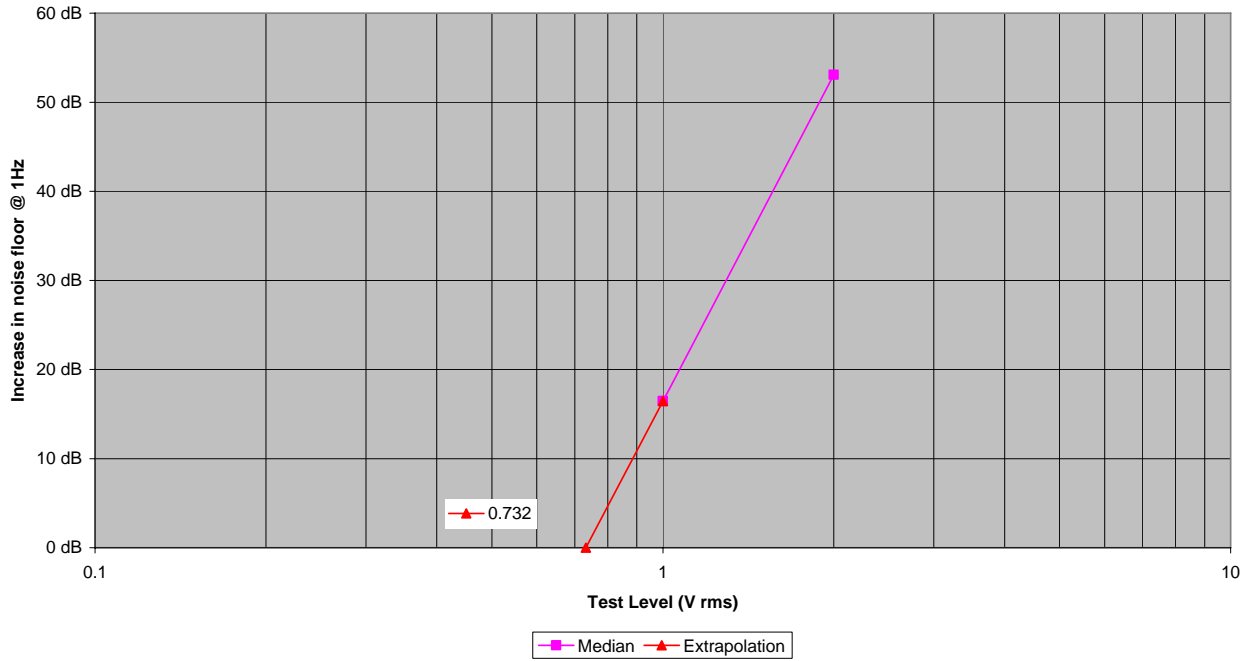


Figure 66

## 3.4 47.6MHz

### 3.4.1 PLW

Noise PSD @ 1Hz, 47.6MHz CM EMI  
PLW

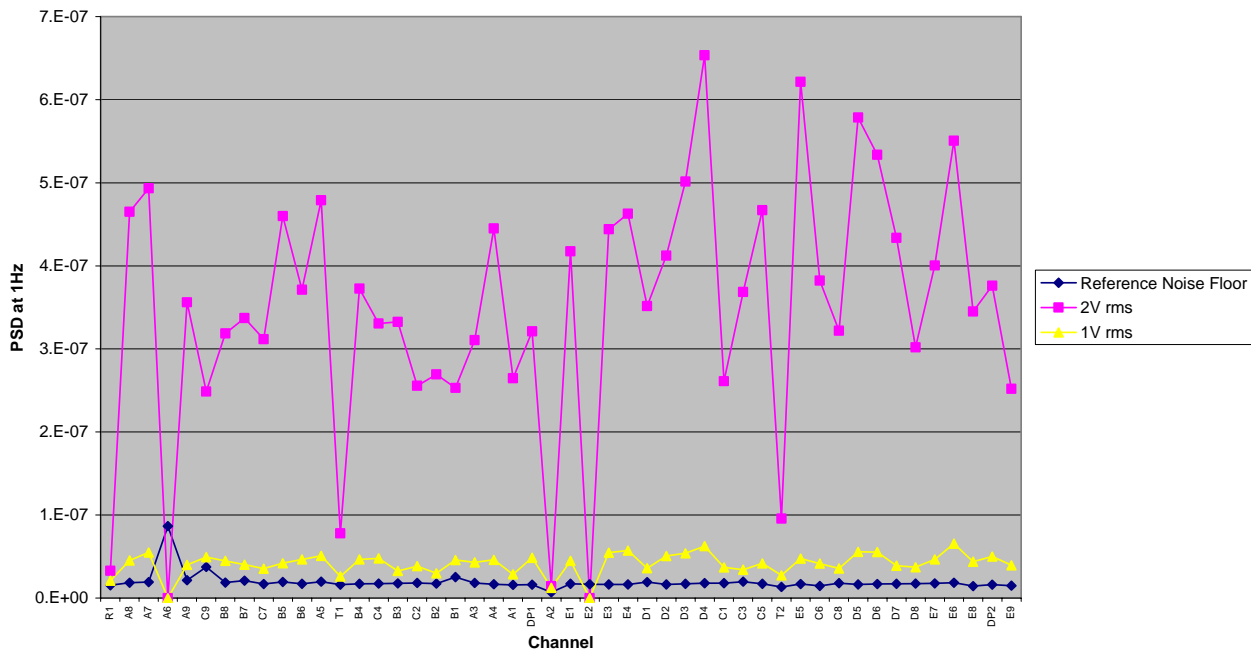


Figure 67

CM Threshold @ 47.6MHz  
PLW

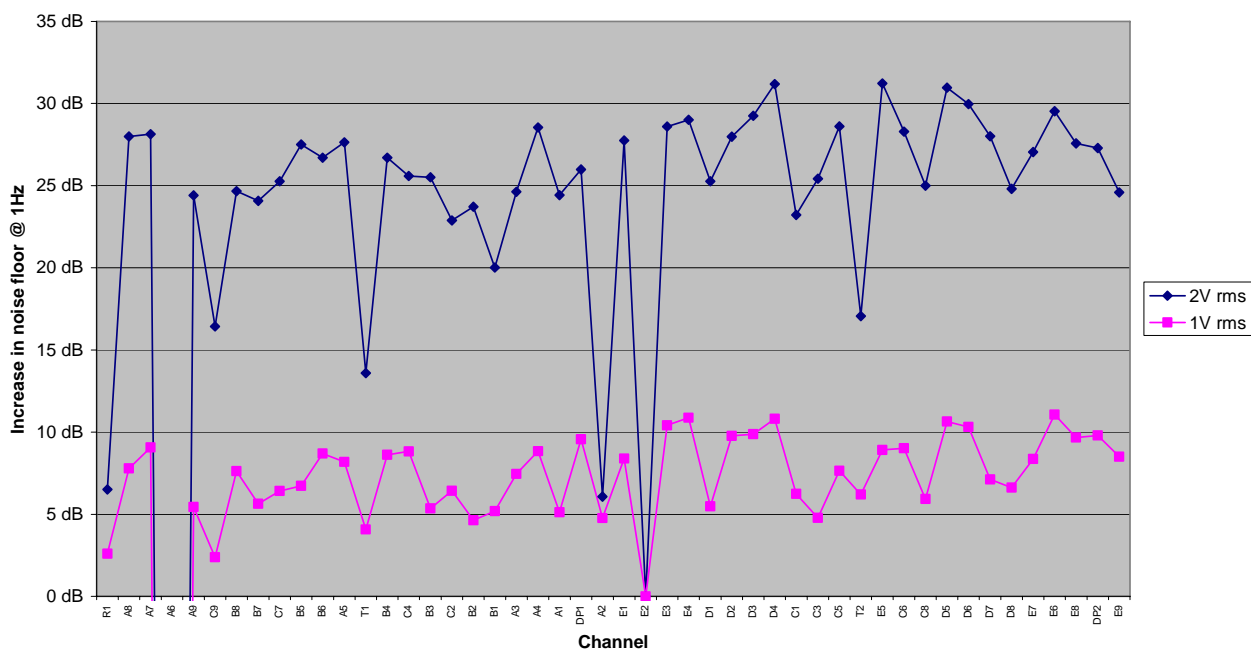


Figure 68

Susceptibility Threshold @ 47.6MHz CM EMI  
PLW

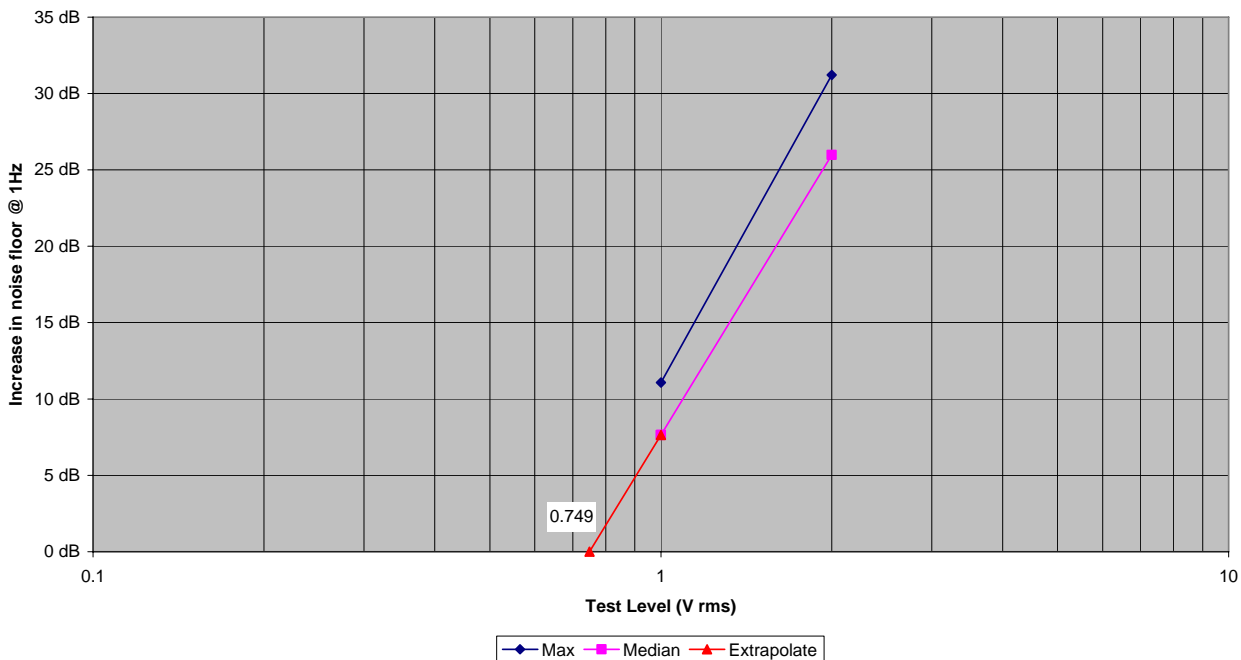


Figure 69

### 3.4.2 PMW

Noise PSD @ 1Hz, 47.6MHz CM EMI  
PMW

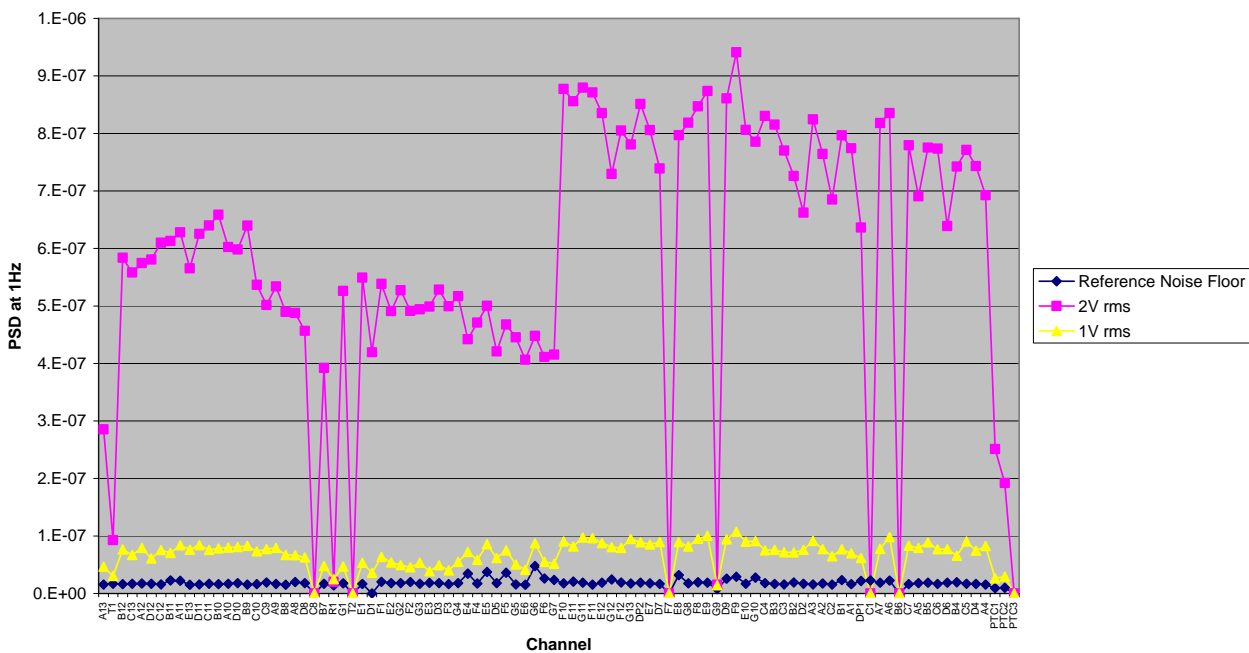


Figure 70





### CM Threshold @ 47.6MHz PMW

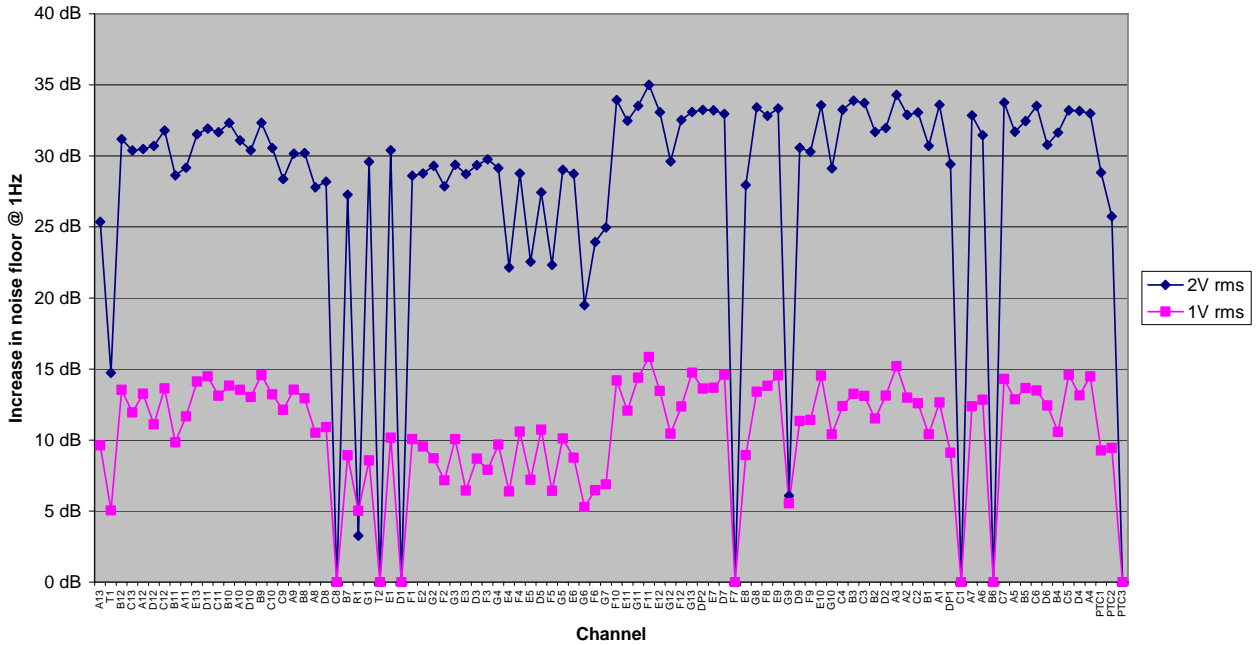


Figure 71

### Susceptibility Threshold @ 47.6MHz CM EMI PMW

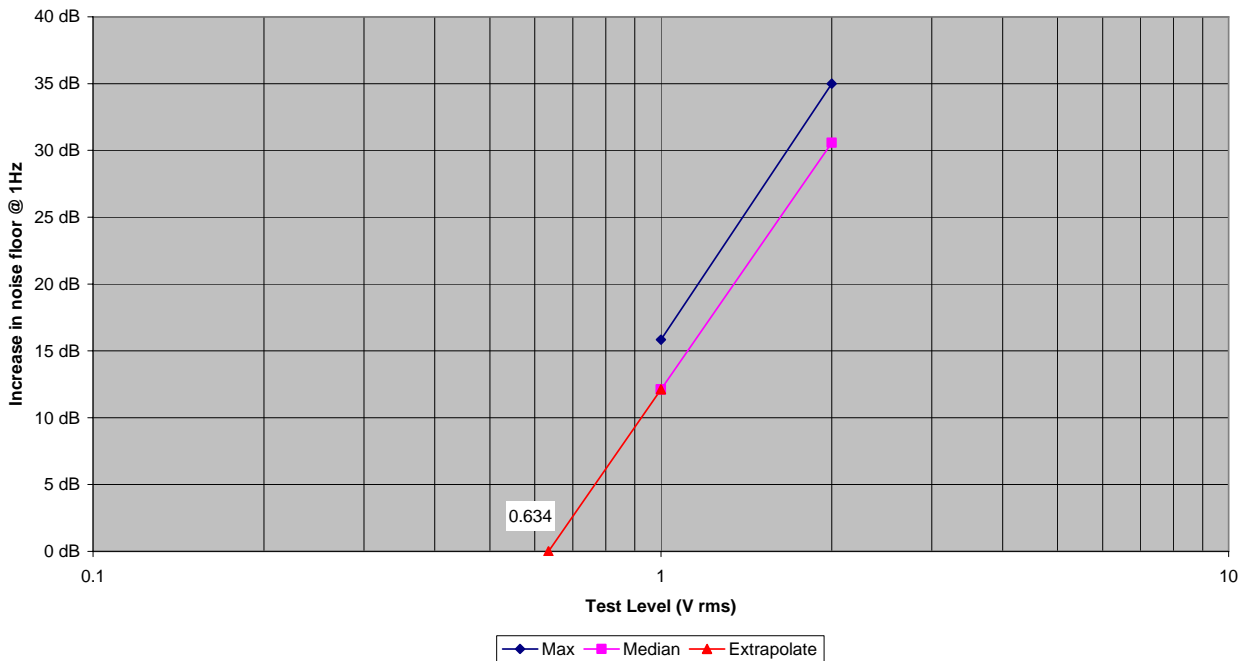


Figure 72



### 3.4.3 PSW

Noise PSD @ 1Hz, 47.6MHz CM EMI  
PSW

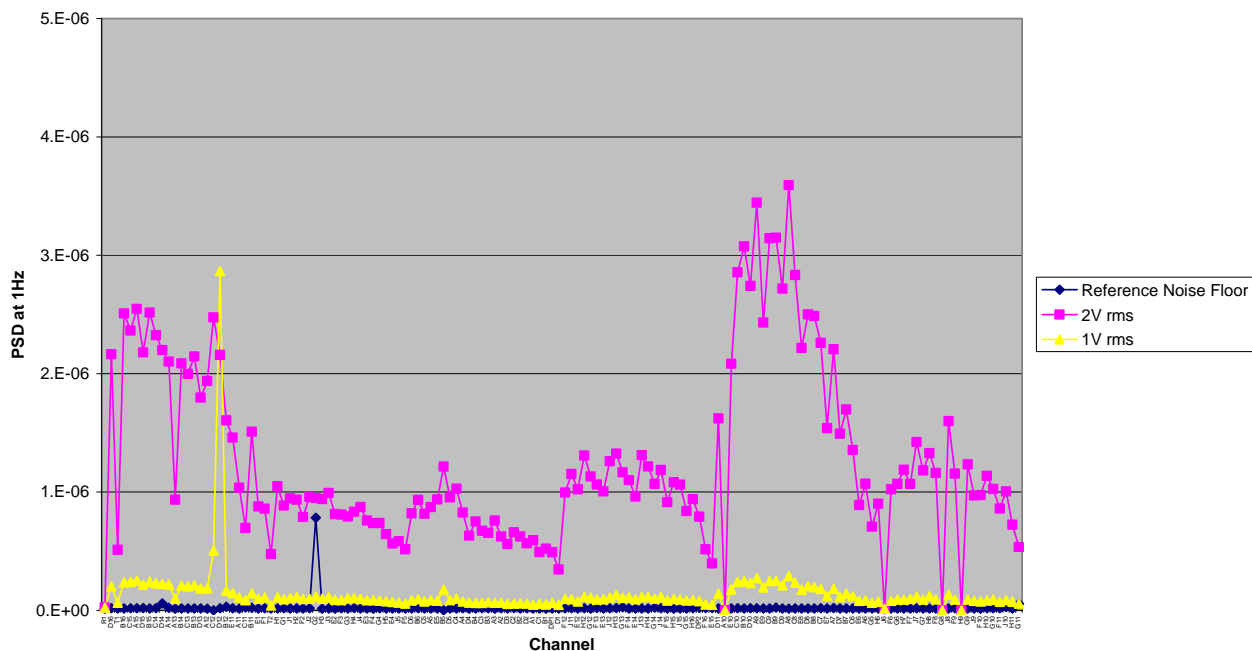


Figure 73

CM Threshold @ 47.6MHz  
PSW

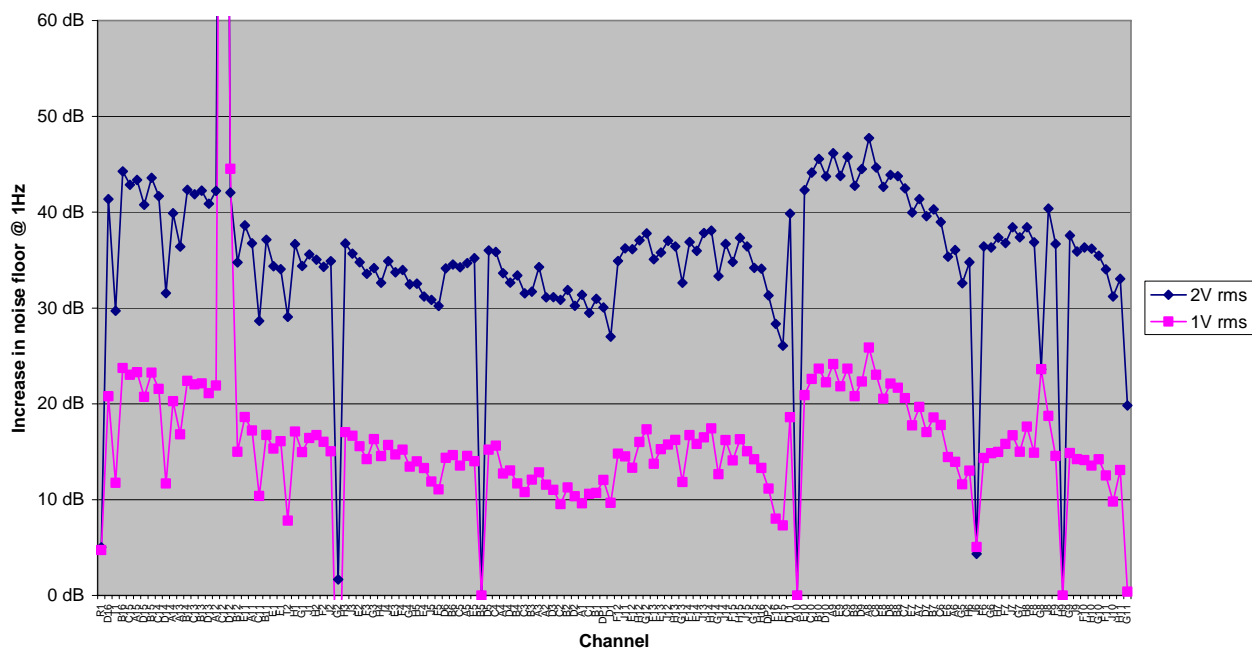


Figure 74



### Susceptibility Threshold @ 47.6MHz CM EMI PSW

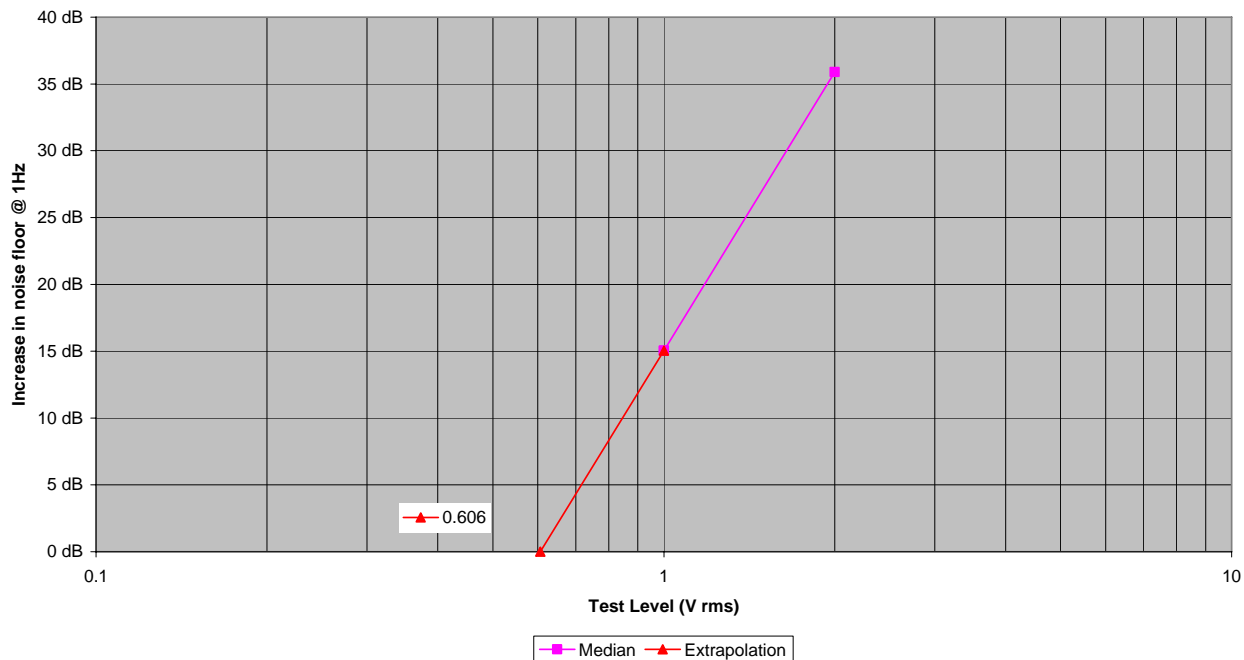


Figure 75