

## I.M. (Spurious Emissions) Product Viewer

Frequency A: 95.90 MHz  
Frequency B: 99.30 MHz  
Frequency C: 100.10 MHz  
Frequency D: 107.70 MHz  
Frequency E: 1.39 MHz  
Frequency F: 1.25 MHz

Step 1: Enter Frequencies in Green Boxes  
Step 2: Hit "Calculalte I.M. Products" Button Below

### Final I.M. Products

Reading (dB)

0.14 MHz	<none>
0.28 MHz	<none>
0.80 MHz	<none>
1.11 MHz	<none>
1.25 MHz	<none>
1.39 MHz	<none>
1.53 MHz	<none>
1.60 MHz	<none>
2.50 MHz	<none>
2.64 MHz	<none>
2.78 MHz	<none>
2.78 MHz	<none>
3.40 MHz	<none>
3.75 MHz	<none>
3.89 MHz	<none>
4.03 MHz	<none>
4.17 MHz	<none>
4.20 MHz	<none>
5.00 MHz	<none>
5.28 MHz	<none>
5.56 MHz	<none>
6.80 MHz	<none>
7.60 MHz	<none>
8.40 MHz	<none>
8.40 MHz	<none>
11.80 MHz	<none>
15.20 MHz	<none>
16.80 MHz	<none>
23.60 MHz	<none>
84.10 MHz	-100.52
90.90 MHz	-95.99
91.70 MHz	-96.38
92.50 MHz	-88.52
92.50 MHz	duplicate
94.51 MHz	-100.1
94.65 MHz	-98.1
95.90 MHz	-55.09
97.15 MHz	-98.86
97.29 MHz	-98.3
97.91 MHz	-98.21
98.05 MHz	-98.5
98.40 MHz	-95.6
98.50 MHz	-93.37
98.68 MHz	-98.15
98.71 MHz	-97.86
98.85 MHz	-96.72
99.30 MHz	-26.2
100.10 MHz	-20.92
100.55 MHz	-97.03
100.69 MHz	-98.01
100.90 MHz	-94.66
101.35 MHz	-99.44
101.49 MHz	-98.91
101.80 MHz	-98.82
102.08 MHz	-98.35
102.60 MHz	-98.84
102.70 MHz	-98.59
102.88 MHz	-99.37
104.30 MHz	-97.92
106.31 MHz	-93.39
106.45 MHz	-96.21
107.70 MHz	-18.62
108.95 MHz	-97.02
109.09 MHz	-93.35
110.20 MHz	-96.79
110.48 MHz	-98.34
115.30 MHz	-99.61
116.10 MHz	-99.02
119.50 MHz	-99.7
189.02 MHz	-99.23
189.30 MHz	-99.6

## FM Minimum Attenuation Level (>600 kHz):

ERP of 1 watt to 50 watts: at least -60 dBc  
ERP 50 watts to 5,000 watts: 250 watts at least -67 dBc  
ERP of 5,000 watts to 100,000 watts: at least -80 dBc

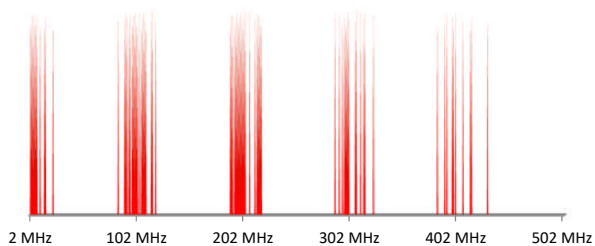
$$(\text{= } 43 + 10 * \text{LOG}(\text{ERP in kW}))$$

Note: In this case, the term "lesser attenuation" actually refers to the signal attenuation below carrier; therefore -60 dBc is less attenuation than -80 dBc.

Using the chart above (▲) is sufficient for Spurious Emissions Studies.

Frequency to Channel: 107.7 MHz CH299  
Channel to Frequency: CH253 98.5 MHz

### I.M Product Frequency Scan



190.41 MHz	-100.68
190.55 MHz	-100.32
191.80 MHz	-98.78
193.05 MHz	-97.38
193.19 MHz	-99.97
194.30 MHz	-99.3
194.58 MHz	-99.7
195.20 MHz	-99.58
195.82 MHz	-98.09
196.00 MHz	-98.53
196.10 MHz	-97.96
197.21 MHz	-97.6
197.35 MHz	-98.88
197.42 MHz	-98.6
197.70 MHz	-99.56
198.60 MHz	-96.27
198.81 MHz	-99.59
198.95 MHz	-99.65
199.40 MHz	-88.84
199.85 MHz	-98.66
199.99 MHz	-98.04
200.20 MHz	-98.53
201.10 MHz	-96.85
201.38 MHz	98.08
201.45 MHz	-99.21
201.59 MHz	-99.57
202.70 MHz	-99.08
202.98 MHz	-97.79
203.60 MHz	-99.57
207.00 MHz	-88.59
207.80 MHz	-90.34
212.62 MHz	-98.46
212.90 MHz	-98.15
214.01 MHz	-98.87
214.15 MHz	-98.28
215.40 MHz	-89.38
216.65 MHz	-99.51
216.79 MHz	-98.61
217.90 MHz	-97.36
218.18 MHz	-98.3
287.70 MHz	-99.15
291.10 MHz	-98.46
291.90 MHz	-100.69
294.50 MHz	-99.24
296.10 MHz	-98.21
297.90 MHz	-99.35
298.70 MHz	-99.08
299.50 MHz	-97.8
300.30 MHz	-98.14
306.30 MHz	-97.21
307.90 MHz	-98.95
311.30 MHz	-99.03
314.70 MHz	-99.23
315.50 MHz	-98.82
323.10 MHz	-98.97
383.60 MHz	-98.47
390.40 MHz	-98
392.00 MHz	-97.99
397.20 MHz	-97.94
398.80 MHz	-97.24
400.40 MHz	<none>
407.20 MHz	<none>
414.00 MHz	<none>
415.60 MHz	<none>
430.80 MHz	<none>