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Shielding Effectiveness Dynamic Range Calculations

	Noise Level (10Hz res)	Vt-Vr	S + N / N	Xmtr Amplifier Margin	0 dB Sig Gen Dynamic Range	Preamplifier Gain	Dynamic Range with Preamplifier	1 Watt Power Amplifier	Dynamic Range with 1W Power Amplifier
SAS-551									
1 MHz	-130	18	6	6	100			30	130
5 MHz	-130	19	6	6	99			30	129
10 MHz	-130	17.5	6	6	100.5			30	130.5
20 MHz	-134	9	6	6	113			30	143
40 MHz	-134	8	6	6	114			30	144
50 MHz	-134	3	6	6	119			30	149
SAS-564									
1 MHz	-130	52	6	6	66			30	96
5 MHz	-130	39	6	6	79			30	109
10 MHz	-130	31	6	6	87			30	117
20 MHz	-134	38	6	6	84			30	114
40 MHz	-134	51.5	6	6	70.5			30	100.5
50 MHz	-134	53.5	6	6	68.5			30	98.5
SAS-544F									
20 MHz	-134	33.5	6	6	88.5	31	119.5		
50 MHz	-134	23.6	6	6	98.4	31	129.4		
100 MHz	-134	12.8	6	6	109.2	31	140.2		
200 MHz	-134	17.9	6	6	104.1	31	135.1		
300 MHz	-134	26.6	6	6	95.4	31	126.4		
SAS-510-2									
300 MHz	-134	13.4	6	6	108.6	31	139.6		
500 MHz	-134	13.8	6	6	108.2	31	139.2		
1000 MHz	-134	19.4	6	6	102.6	31	133.6		
1500 MHz	-134	24.1	6	6	97.9	31	128.9		
2000 MHz	-134	26.3	6	6	95.7	31	126.7		
SAS-571									
1 GHz	-134	18.8	6	6	103.2	37	140.2		
2 GHz	-134	24.1	6	6	97.9	38	135.9		
5 GHz	-138	28.6	6	6	97.4	39.5	136.9		
10 GHz	-135	29.2	6	6	93.8	37	130.8		
15 GHz	-130	31.6	6	6	86.4	39	125.4		
18 GHz	-130	38.2	6	6	79.8	38	117.8		