



Attachment to

ELECTROMAGNETIC EMISSIONS TEST REPORT
according to FCC Part 15 subpart C, §15.247 and subpart B

for
BREEZECOM LTD.

EQUIPMENT UNDER TEST:
DS11M system

Approved by
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Electrical



Description of equipment under test

Test items	DS11M family
Manufacturer	BreezeCom Ltd.
Types (Models)	DS11M
Receipt date	April 2, 2000

Applicant information

Applicant's representative	Mr. David Shechter
Applicant's responsible person	Mr. Tsach Shwartz, engineering manager
Company	BreezeCom Ltd.
Address	Technologic Park ATIDIM, Bld.1
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Country	Israel
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Test performance

Project Number:	14002
Location	Hermon Laboratories
Test performed	April 12, 16, June 13, 2000
Purpose of test	The EUT certification in accordance with CFR 47, part 2, §2.1033
Test specification(s)	FCC Part 15, Subpart C, §15.247, §§15.205, 15.207, 15.209, 15.107, 15.109



1 Processing gain measurements

1.1 Processing gain according to §15.247 (e)(2)

1.1.1 General

This test was performed to demonstrate that the processing gain of the system was at least 10 dB.

1.1.2 Test procedure

The processing gain was measured using the CW jamming margin method. Test setup is shown in Figure 1.

A signal generator was stepped in 50 kHz increments across the passband of the system, recording at each point the generator level required to produce the $\text{BER} = 10^{-5}$. This level was the jammer level. The output power of the intentional radiator was measured at the same point. The jammer to signal ratio (J/S) was then calculated, discarding the worst 20% of the J/S data points. The lowest remaining J/S ratio was used to calculate the processing gain as follows:

$$G_p = (S/N)_o + M_j + L_{\text{sys}}, \text{ where}$$

G_p = processing gain of the system,

$(S/N)_o$ = signal to noise ratio = 16.4 dB @ BER 10^{-5} (Breezcom Declaration, dated June 13, 2000),

M_j = J/S ratio, the worst case, was found -5.6 dB,

L_{sys} = system losses = 2 dB;

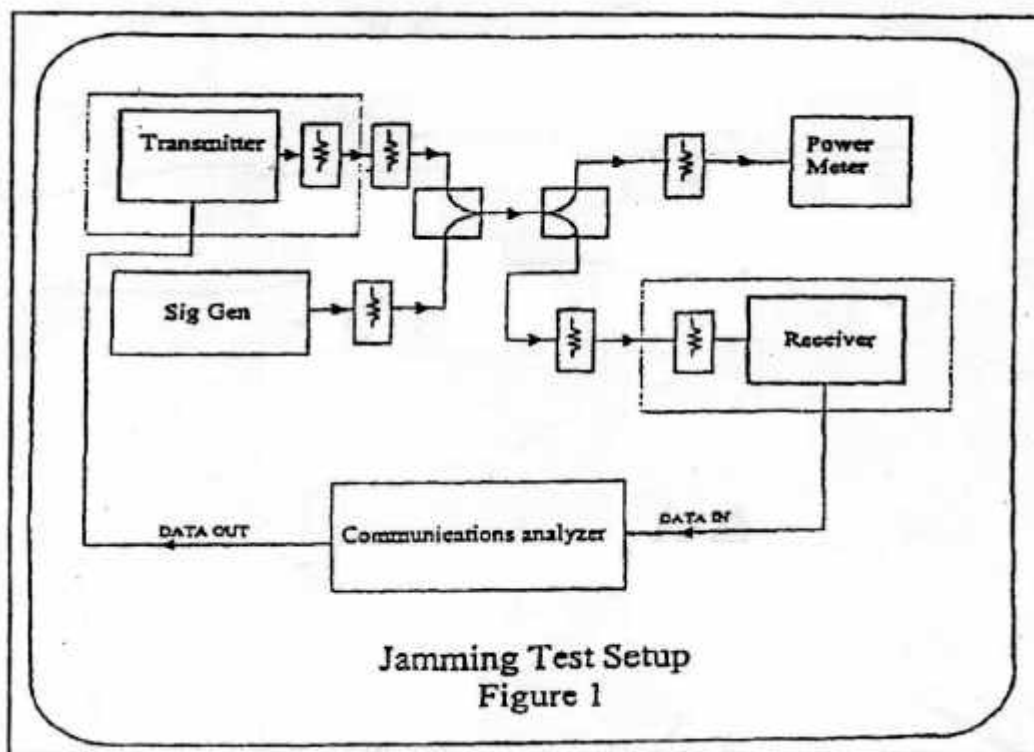
hence

$$G_p = 16.4 - 5.6 + 2 = 12.8 \text{ dB.}$$

Reference numbers of test equipment used

HL 0025	HL 0056	HL 0316	HL 0460	HL 0661	HL 0740
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Full description is given in Appendix A.





2 Processing gain measurements results

Channel 11

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.454	16.4	-44.1	-45.6	1.5	2	19.9
2.45405	16.4	-44.1	-45.4	1.3	2	19.7
2.4541	16.4	-44.1	-45.5	1.4	2	19.8
2.45415	16.4	-44.1	-45.4	1.3	2	19.7
2.4542	16.4	-44.1	-45.4	1.3	2	19.7
2.45425	16.4	-44.1	-45.4	1.3	2	19.7
2.4543	16.4	-44.1	-45.2	1.1	2	19.5
2.45435	16.4	-44.1	-45.3	1.2	2	19.6
2.4544	16.4	-44.1	-45.2	1.1	2	19.5
2.45445	16.4	-44.1	-45.3	1.2	2	19.6
2.4545	16.4	-44.1	-45.3	1.2	2	19.6
2.45455	16.4	-44.1	-45.2	1.1	2	19.5
2.4546	16.4	-44.1	-45.2	1.1	2	19.5
2.45465	16.4	-44.1	-45.2	1.1	2	19.5
2.4547	16.4	-44.1	-45.0	0.9	2	19.3
2.45475	16.4	-44.1	-45.0	0.9	2	19.3
2.4548	16.4	-44.1	-45.0	0.9	2	19.3
2.45485	16.4	-44.1	-45.1	1	2	19.4
2.4549	16.4	-44.1	-45.0	0.9	2	19.3
2.45495	16.4	-44.1	-45.1	1	2	19.4
2.455	16.4	-44.1	-45.0	0.9	2	19.3
2.45505	16.4	-44.1	-45.0	0.9	2	19.3
2.4551	16.4	-44.1	-45.0	0.9	2	19.3
2.45515	16.4	-44.1	-45.0	0.9	2	19.3
2.4552	16.4	-44.1	-44.8	0.7	2	19.1
2.45525	16.4	-44.1	-44.8	0.7	2	19.1
2.4553	16.4	-44.1	-44.8	0.7	2	19.1
2.45535	16.4	-44.1	-44.5	0.4	2	18.8
2.4554	16.4	-44.1	-44.5	0.4	2	18.8
2.45545	16.4	-44.1	-44.5	0.4	2	18.8
2.4555	16.4	-44.1	-44.4	0.3	2	18.7
2.45555	16.4	-44.1	-44.4	0.3	2	18.7
2.4556	16.4	-44.1	-44.4	0.3	2	18.7
2.45565	16.4	-44.1	-44.4	0.3	2	18.7
2.4557	16.4	-44.1	-44.2	0.1	2	18.5



2.45575	16.4	-44.1	-44.0	-0.1	2	18.3
Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.4558	16.4	-44.1	-44.0	-0.1	2	18.3
2.45585	16.4	-44.1	-43.7	-0.4	2	18.0
2.4559	16.4	-44.1	-43.7	-0.4	2	18.0
2.45595	16.4	-44.1	-43.3	-0.8	2	17.6
2.456	16.4	-44.1	-43.1	-1	2	17.4
2.45605	16.4	-44.1	-43.1	-1	2	17.4
2.4561	16.4	-44.1	-43.1	-1	2	17.4
2.45615	16.4	-44.1	-43.0	-1.1	2	17.3
2.4562	16.4	-44.1	-43.0	-1.1	2	17.3

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.45625	16.4	-44.1	-42.8	-1.3	2	17.1
2.4563	16.4	-44.1	-42.8	-1.3	2	17.1
2.45635	16.4	-44.1	-42.7	-1.4	2	17
2.4564	16.4	-44.1	-42.8	-1.3	2	17.1
2.45645	16.4	-44.1	-42.6	-1.5	2	16.9
2.4565	16.4	-44.1	-42.5	-1.6	2	16.8
2.45655	16.4	-44.1	-42.6	-1.5	2	16.9
2.4566	16.4	-44.1	-42.5	-1.6	2	16.8
2.45665	16.4	-44.1	-42.3	-1.8	2	16.6
2.4567	16.4	-44.1	-42.3	-1.8	2	16.6
2.45675	16.4	-44.1	-42.3	-1.8	2	16.6
2.4568	16.4	-44.1	-42.2	-1.9	2	16.5
2.45685	16.4	-44.1	-42.2	-1.9	2	16.5
2.4569	16.4	-44.1	-42.2	-1.9	2	16.5
2.45695	16.4	-44.1	-42.0	-2.1	2	16.3
2.457	16.4	-44.1	-42.1	-2	2	16.4
2.45705	16.4	-44.1	-42.0	-2.1	2	16.3
2.4571	16.4	-44.1	-41.9	-2.2	2	16.2
2.45715	16.4	-44.1	-41.9	-2.2	2	16.2
2.4572	16.4	-44.1	-41.7	-2.4	2	16.0
2.45725	16.4	-44.1	-41.8	-2.3	2	16.1
2.4573	16.4	-44.1	-41.6	-2.5	2	15.9
2.45735	16.4	-44.1	-41.6	-2.5	2	15.9
2.4574	16.4	-44.1	-41.5	-2.6	2	15.8
2.45745	16.4	-44.1	-41.5	-2.6	2	15.8
2.4575	16.4	-44.1	-41.5	-2.6	2	15.8
2.45755	16.4	-44.1	-41.3	-2.8	2	15.6
2.4576	16.4	-44.1	-41.4	-2.7	2	15.7



2.45765	16.4	-44.1	-41.3	-2.8	2	15.6
2.4577	16.4	-44.1	-41.2	-2.9	2	15.5
2.45775	16.4	-44.1	-41.2	-2.9	2	15.5
2.4578	16.4	-44.1	-41.2	-2.9	2	15.5
2.45785	16.4	-44.1	-41.1	-3	2	15.4
2.4579	16.4	-44.1	-41.1	-3	2	15.4
2.45795	16.4	-44.1	-41.1	-3	2	15.4
2.458	16.4	-44.1	-41.2	-2.9	2	15.5
2.45805	16.4	-44.1	-41.1	-3	2	15.4
2.4581	16.4	-44.1	-41.0	-3.1	2	15.3
2.45815	16.4	-44.1	-40.9	-3.2	2	15.2
2.4582	16.4	-44.1	-40.9	-3.2	2	15.2
2.45825	16.4	-44.1	-40.9	-3.2	2	15.2
2.4583	16.4	-44.1	-40.7	-3.4	2	15.0
2.45835	16.4	-44.1	-40.7	-3.4	2	15.0
2.4584	16.4	-44.1	-40.4	-3.7	2	14.7
2.45845	16.4	-44.1	-40.4	-3.7	2	14.7

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.4585	16.4	-44.1	-40.3	-3.8	2	14.6
2.45855	16.4	-44.1	-40.2	-3.9	2	14.5
2.4586	16.4	-44.1	-40.3	-3.8	2	14.6
2.45865	16.4	-44.1	-40.2	-3.9	2	14.5
2.4587	16.4	-44.1	-40.2	-3.9	2	14.5
2.45875	16.4	-44.1	-40.1	-4	2	14.4
2.4588	16.4	-44.1	-40.1	-4	2	14.4
2.45885	16.4	-44.1	-40	-4.1	2	14.3
2.4589	16.4	-44.1	-39.9	-4.2	2	14.2
2.45895	16.4	-44.1	-39.9	-4.2	2	14.2
2.459	16.4	-44.1	-38.7	-5.4	2	13.0
2.45905	16.4	-44.1	-38.8	-5.3	2	13.1
2.4591	16.4	-44.1	-38.7	-5.4	2	13.0
2.45915	16.4	-44.1	-38.7	-5.4	2	13.0
2.4592	16.4	-44.1	-38.8	-5.3	2	13.1
2.45925	16.4	-44.1	-38.7	-5.4	2	13.0
2.4593	16.4	-44.1	-38.6	-5.5	2	12.9
2.45935	16.4	-44.1	-38.6	-5.5	2	12.9
2.4594	16.4	-44.1	-38.6	-5.5	2	12.9
2.45945	16.4	-44.1	-38.6	-5.5	2	12.9
2.4595	16.4	-44.1	-38.5	-5.6	2	12.8
2.45955	16.4	-44.1	-38.5	-5.6	2	12.8
2.4596	16.4	-44.1	-38.4	-5.7	2	12.7



2.45965	16.4	-44.1	-38.5	-5.6	2	12.8
2.4597	16.4	-44.1	-38.4	-5.7	2	12.7
2.45975	16.4	-44.1	-38.4	-5.7	2	12.7
2.4598	16.4	-44.1	-38.3	-5.8	2	12.6
2.45985	16.4	-44.1	-38.3	-5.8	2	12.6
2.4599	16.4	-44.1	-38.3	-5.8	2	12.6
2.45995	16.4	-44.1	-38.3	-5.8	2	12.6
2.46	16.4	-44.1	-38.2	-5.9	2	12.5
2.46005	16.4	-44.1	-38.4	-5.7	2	12.7
2.4601	16.4	-44.1	-38.4	-5.7	2	12.7
2.46015	16.4	-44.1	-38.4	-5.7	2	12.7
2.4602	16.4	-44.1	-38.5	-5.6	2	12.8
2.46025	16.4	-44.1	-38.5	-5.6	2	12.8
2.4603	16.4	-44.1	-38.5	-5.6	2	12.8
2.46035	16.4	-44.1	-38.4	-5.7	2	12.7
2.4604	16.4	-44.1	-38.4	-5.7	2	12.7
2.46045	16.4	-44.1	-38.4	-5.7	2	12.7
2.4605	16.4	-44.1	-38.4	-5.7	2	12.7
2.46055	16.4	-44.1	-38.3	-5.8	2	12.6
2.4606	16.4	-44.1	-38.3	-5.8	2	12.6
2.46065	16.4	-44.1	-38.3	-5.8	2	12.6
2.4607	16.4	-44.1	-38.2	-5.9	2	12.5
2.46075	16.4	-44.1	-38.3	-5.8	2	12.6
2.4608	16.4	-44.1	-38.2	-5.9	2	12.5

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.46085	16.4	-44.1	-38.2	-5.9	2	12.5
2.4609	16.4	-44.1	-38.2	-5.9	2	12.5
2.46095	16.4	-44.1	-38.2	-5.9	2	12.5
2.461	16.4	-44.1	-38.1	-6	2	12.4
2.46105	16.4	-44.1	-38.1	-6	2	12.4
2.4611	16.4	-44.1	-38.1	-6	2	12.4
2.46115	16.4	-44.1	-38.3	-5.8	2	12.6
2.4612	16.4	-44.1	-38.3	-5.8	2	12.6
2.46125	16.4	-44.1	-38.3	-5.8	2	12.6
2.4613	16.4	-44.1	-38.2	-5.9	2	12.5
2.46135	16.4	-44.1	-38.3	-5.8	2	12.6
2.4614	16.4	-44.1	-38.2	-5.9	2	12.5
2.46145	16.4	-44.1	-38.1	-6.0	2	12.4
2.4615	16.4	-44.1	-38.1	-6.0	2	12.4
2.46155	16.4	-44.1	-38.1	-6.0	2	12.4
2.4616	16.4	-44.1	-38.2	-5.9	2	12.5
2.46165	16.4	-44.1	-38.2	-5.9	2	12.5



2.4617	16.4	-44.1	-38.1	-6.0	2	12.4
2.46175	16.4	-44.1	-38.0	-6.1	2	12.3
2.4618	16.4	-44.1	-38.1	-6.0	2	12.4
2.46185	16.4	-44.1	-38.0	-6.1	2	12.3
2.4619	16.4	-44.1	-38.1	-6.0	2	12.4
2.46195	16.4	-44.1	-38.1	-6.0	2	12.4
2.462	16.4	-44.1	-38.0	-6.1	2	12.3
2.46205	16.4	-44.1	-38.0	-6.1	2	12.3
2.4621	16.4	-44.1	-38.0	-6.1	2	12.3
2.46215	16.4	-44.1	-38.1	-6.0	2	12.4
2.4622	16.4	-44.1	-38.1	-6.0	2	12.4
2.46225	16.4	-44.1	-38.1	-6.0	2	12.4
2.4623	16.4	-44.1	-38.2	-5.9	2	12.5
2.46235	16.4	-44.1	-38.1	-6.0	2	12.4
2.4624	16.4	-44.1	-38.1	-6.0	2	12.4
2.46245	16.4	-44.1	-38.2	-5.9	2	12.5
2.4625	16.4	-44.1	-38.2	-5.9	2	12.5
2.46255	16.4	-44.1	-38.2	-5.9	2	12.5
2.4626	16.4	-44.1	-38.3	-5.8	2	12.6
2.46265	16.4	-44.1	-38.2	-5.9	2	12.5
2.4627	16.4	-44.1	-38.2	-5.9	2	12.5
2.46275	16.4	-44.1	-38.2	-5.9	2	12.5
2.4628	16.4	-44.1	-38.3	-5.8	2	12.6
2.46285	16.4	-44.1	-38.3	-5.8	2	12.6
2.4629	16.4	-44.1	-38.3	-5.8	2	12.6
2.46295	16.4	-44.1	-38.3	-5.8	2	12.6
2.463	16.4	-44.1	-38.4	-5.7	2	12.7
2.46305	16.4	-44.1	-38.3	-5.8	2	12.6
2.4631	16.4	-44.1	-38.3	-5.8	2	12.6
2.46315	16.4	-44.1	-38.3	-5.8	2	12.6
2.4632	16.4	-44.1	-38.2	-5.9	2	12.5
2.46325	16.4	-44.1	-38.3	-5.8	2	12.6
2.4633	16.4	-44.1	-38.3	-5.8	2	12.6
2.46335	16.4	-44.1	-38.4	-5.7	2	12.7
2.4634	16.4	-44.1	-38.4	-5.7	2	12.7
2.46345	16.4	-44.1	-38.4	-5.7	2	12.7
2.4635	16.4	-44.1	-38.5	-5.6	2	12.8
2.46355	16.4	-44.1	-38.4	-5.7	2	12.7
2.4636	16.4	-44.1	-38.5	-5.6	2	12.8
2.46365	16.4	-44.1	-38.5	-5.6	2	12.8
2.4637	16.4	-44.1	-38.5	-5.6	2	12.8
2.46375	16.4	-44.1	-38.5	-5.6	2	12.8
2.4638	16.4	-44.1	-38.3	-5.8	2	12.6
2.46385	16.4	-44.1	-38.3	-5.8	2	12.6



2.4639	16.4	-44.1	-38.3	-5.8	2	12.6
2.46395	16.4	-44.1	-38.3	-5.8	2	12.6
2.464	16.4	-44.1	-38.1	-6.0	2	12.4
2.46405	16.4	-44.1	-38.1	-6.0	2	12.4
2.4641	16.4	-44.1	-38.1	-6.0	2	12.4
2.46415	16.4	-44.1	-38.4	-5.7	2	12.7
2.4642	16.4	-44.1	-38.4	-5.7	2	12.7
2.46425	16.4	-44.1	-38.4	-5.7	2	12.7
2.4643	16.4	-44.1	-38.4	-5.7	2	12.7
2.46435	16.4	-44.1	-38.6	-5.5	2	12.9
2.4644	16.4	-44.1	-38.6	-5.5	2	12.9
2.46445	16.4	-44.1	-38.6	-5.5	2	12.9
2.4645	16.4	-44.1	-38.6	-5.5	2	12.9
2.46455	16.4	-44.1	-38.5	-5.6	2	12.8
2.4646	16.4	-44.1	-38.5	-5.6	2	12.8
2.46465	16.4	-44.1	-38.5	-5.6	2	12.8
2.4647	16.4	-44.1	-38.6	-5.5	2	12.9
2.46475	16.4	-44.1	-38.6	-5.5	2	12.9
2.4648	16.4	-44.1	-38.6	-5.5	2	12.9
2.46485	16.4	-44.1	-38.5	-5.6	2	12.8
2.4649	16.4	-44.1	-38.5	-5.6	2	12.8
2.46495	16.4	-44.1	-38.6	-5.5	2	12.9
2.465	16.4	-44.1	-38.6	-5.5	2	12.9
2.46505	16.4	-44.1	-38.6	-5.5	2	12.9
2.4651	16.4	-44.1	-38.7	-5.4	2	13.0
2.46515	16.4	-44.1	-38.7	-5.4	2	13.0
2.4652	16.4	-44.1	-38.7	-5.4	2	13.0
2.46525	16.4	-44.1	-38.7	-5.4	2	13.0
2.4653	16.4	-44.1	-38.8	-5.3	2	13.1
2.46535	16.4	-44.1	-38.7	-5.4	2	13.0
2.4654	16.4	-44.1	-38.8	-5.3	2	13.1
2.46545	16.4	-44.1	-38.8	-5.3	2	13.1
2.4655	16.4	-44.1	-38.8	-5.3	2	13.1
2.4656	16.4	-44.1	-38.9	-5.2	2	13.2
2.46565	16.4	-44.1	-38.9	-5.2	2	13.2
2.4657	16.4	-44.1	-39.0	-5.1	2	13.3
2.46575	16.4	-44.1	-39.0	-5.1	2	13.3
2.4658	16.4	-44.1	-38.9	-5.2	2	13.2
2.46585	16.4	-44.1	-39.0	-5.1	2	13.3
2.4659	16.4	-44.1	-39.0	-5.1	2	13.3
2.46595	16.4	-44.1	-39.0	-5.1	2	13.3
2.466	16.4	-44.1	-39.0	-5.1	2	13.3
2.46605	16.4	-44.1	-39.2	-4.9	2	13.5
2.4661	16.4	-44.1	-39.1	-5	2	13.4



2.46615	16.4	-44.1	-39.1	-5	2	13.4
2.4662	16.4	-44.1	-39.2	-4.9	2	13.5
2.46625	16.4	-44.1	-39.2	-4.9	2	13.5
2.4663	16.4	-44.1	-39.2	-4.9	2	13.5
2.46635	16.4	-44.1	-39.3	-4.8	2	13.6
2.4664	16.4	-44.1	-39.3	-4.8	2	13.6
2.46645	16.4	-44.1	-39.3	-4.8	2	13.6
2.4665	16.4	-44.1	-39.5	-4.6	2	13.8
2.46655	16.4	-44.1	-39.5	-4.6	2	13.8
2.4666	16.4	-44.1	-39.5	-4.6	2	13.8
2.46665	16.4	-44.1	-39.5	-4.6	2	13.8
2.4667	16.4	-44.1	-39.6	-4.5	2	13.9
2.46675	16.4	-44.1	-39.6	-4.5	2	13.9
2.4668	16.4	-44.1	-39.6	-4.5	2	13.9
2.46685	16.4	-44.1	-39.6	-4.5	2	13.9
2.4669	16.4	-44.1	-39.7	-4.4	2	14.0
2.46695	16.4	-44.1	-39.7	-4.4	2	14.0
2.467	16.4	-44.1	-39.7	-4.4	2	14.0
2.46705	16.4	-44.1	-39.8	-4.3	2	14.1
2.4671	16.4	-44.1	-39.7	-4.4	2	14.0
2.46715	16.4	-44.1	-39.8	-4.3	2	14.1
2.4672	16.4	-44.1	-39.9	-4.2	2	14.2
2.46725	16.4	-44.1	-39.9	-4.2	2	14.2
2.4673	16.4	-44.1	-40.0	-4.1	2	14.3
2.46735	16.4	-44.1	-40.0	-4.1	2	14.3
2.4674	16.4	-44.1	-40.0	-4.1	2	14.3
2.46745	16.4	-44.1	-40.2	-3.9	2	14.5
2.4675	16.4	-44.1	-40.2	-3.9	2	14.5
2.46755	16.4	-44.1	-40.2	-3.9	2	14.5
2.4676	16.4	-44.1	-40.4	-3.7	2	14.7
2.46765	16.4	-44.1	-40.4	-3.7	2	14.7
2.4677	16.4	-44.1	-40.4	-3.7	2	14.7
2.46775	16.4	-44.1	-40.5	-3.6	2	14.8
2.4678	16.4	-44.1	-40.7	-3.4	2	15.0
2.46785	16.4	-44.1	-40.7	-3.4	2	15.0
2.4679	16.4	-44.1	-40.7	-3.4	2	15.0

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.46795	16.4	-44.1	-40.8	-3.3	2	15.1
2.468	16.4	-44.1	-40.9	-3.2	2	15.2



2.46805	16.4	-44.1	-40.9	-3.2	2	15.2
2.4681	16.4	-44.1	-41.1	-3	2	15.4
2.46815	16.4	-44.1	-41.1	-3	2	15.4
2.4682	16.4	-44.1	-41.1	-3	2	15.4
2.46825	16.4	-44.1	-41.4	-2.7	2	15.7
2.4683	16.4	-44.1	-41.4	-2.7	2	15.7
2.46835	16.4	-44.1	-41.5	-2.6	2	15.8
2.4684	16.4	-44.1	-41.7	-2.4	2	16.0
2.46845	16.4	-44.1	-41.7	-2.4	2	16.0
2.4685	16.4	-44.1	-41.9	-2.2	2	16.2
2.46855	16.4	-44.1	-41.9	-2.2	2	16.2
2.4686	16.4	-44.1	-42.0	-2.1	2	16.3
2.46865	16.4	-44.1	-42.0	-2.1	2	16.3
2.4687	16.4	-44.1	-42.3	-1.8	2	16.6
2.46875	16.4	-44.1	-42.1	-2.0	2	16.4
2.4688	16.4	-44.1	-42.3	-1.8	2	16.6
2.46885	16.4	-44.1	-42.5	-1.6	2	16.8
2.4689	16.4	-44.1	-42.5	-1.6	2	16.8
2.46895	16.4	-44.1	-42.5	-1.6	2	16.8
2.469	16.4	-44.1	-42.7	-1.4	2	17.0
2.46905	16.4	-44.1	-42.8	-1.3	2	17.1
2.4691	16.4	-44.1	-42.7	-1.4	2	17.0
2.46915	16.4	-44.1	-42.9	-1.2	2	17.2
2.4692	16.4	-44.1	-43.1	-1	2	17.4
2.46925	16.4	-44.1	-43.1	-1	2	17.4
2.4693	16.4	-44.1	-43.3	-0.8	2	17.6
2.46935	16.4	-44.1	-43.5	-0.6	2	17.8
2.4694	16.4	-44.1	-43.6	-0.5	2	17.9
2.46945	16.4	-44.1	-43.5	-0.6	2	17.8



Channel 6

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.43	16.4	-43.2	-43.7	0.5	2	18.9
2.43005	16.4	-43.2	-43.7	0.5	2	18.9
2.4301	16.4	-43.2	-43.7	0.5	2	18.9
2.43015	16.4	-43.2	-43.5	0.3	2	18.7
2.4302	16.4	-43.2	-43.5	0.3	2	18.7
2.43025	16.4	-43.2	-43.4	0.2	2	18.6
2.4303	16.4	-43.2	-43.3	0.1	2	18.5
2.43035	16.4	-43.2	-43.3	0.1	2	18.5
2.4304	16.4	-43.2	-43.3	0.1	2	18.5
2.43045	16.4	-43.2	-43.1	-0.1	2	18.3
2.4305	16.4	-43.2	-43.2	0	2	18.4
2.43055	16.4	-43.2	-43.1	-0.1	2	18.3
2.4306	16.4	-43.2	-43.1	-0.1	2	18.3
2.43065	16.4	-43.2	-43.0	-0.2	2	18.2
2.4307	16.4	-43.2	-42.8	-0.4	2	18.0
2.43075	16.4	-43.2	-42.5	-0.7	2	17.7
2.4308	16.4	-43.2	-42.5	-0.7	2	17.7
2.43085	16.4	-43.2	-42.4	-0.8	2	17.6
2.4309	16.4	-43.2	-42.4	-0.8	2	17.6
2.43095	16.4	-43.2	-42.2	-1	2	17.4
2.431	16.4	-43.2	-42.2	-1	2	17.4
2.43105	16.4	-43.2	-42.1	-1.1	2	17.3
2.4311	16.4	-43.2	-42.1	-1.1	2	17.3
2.43115	16.4	-43.2	-42.1	-1.1	2	17.3
2.4312	16.4	-43.2	-39.9	-3.3	2	15.1
2.43125	16.4	-43.2	-39.9	-3.3	2	15.1
2.4313	16.4	-43.2	-39.8	-3.4	2	15.0
2.43135	16.4	-43.2	-39.7	-3.5	2	14.9
2.4314	16.4	-43.2	-39.7	-3.5	2	14.9
2.43145	16.4	-43.2	-39.7	-3.5	2	14.9
2.4315	16.4	-43.2	-39.6	-3.6	2	14.8
2.43155	16.4	-43.2	-39.6	-3.6	2	14.8
2.4316	16.4	-43.2	-39.5	-3.7	2	14.7
2.43165	16.4	-43.2	-39.5	-3.7	2	14.7
2.4317	16.4	-43.2	-39.5	-3.7	2	14.7
2.43175	16.4	-43.2	-39.4	-3.8	2	14.6
2.4318	16.4	-43.2	-39.4	-3.8	2	14.6
2.43185	16.4	-43.2	-39.3	-3.9	2	14.5



2.4319	16.4	-43.2	-39.3	-3.9	2	14.5
2.43195	16.4	-43.2	-39.3	-3.9	2	14.5
2.432	16.4	-43.2	-39.2	-4	2	14.4
2.43205	16.4	-43.2	-39.1	-4.1	2	14.3
2.4321	16.4	-43.2	-39.1	-4.1	2	14.3
2.43215	16.4	-43.2	-39.1	-4.1	2	14.3
2.4322	16.4	-43.2	-39.1	-4.1	2	14.3

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.43225	16.4	-43.2	-39.1	-4.1	2	14.3
2.4323	16.4	-43.2	-39.0	-4.2	2	14.2
2.43235	16.4	-43.2	-39.0	-4.2	2	14.2
2.4324	16.4	-43.2	-39.0	-4.2	2	14.2
2.43245	16.4	-43.2	-38.9	-4.3	2	14.1
2.4325	16.4	-43.2	-38.9	-4.3	2	14.1
2.43255	16.4	-43.2	-38.7	-4.5	2	13.9
2.4326	16.4	-43.2	-38.7	-4.5	2	13.9
2.43265	16.4	-43.2	-38.7	-4.5	2	13.9
2.4327	16.4	-43.2	-38.6	-4.6	2	13.8
2.43275	16.4	-43.2	-38.6	-4.6	2	13.8
2.4328	16.4	-43.2	-38.5	-4.7	2	13.7
2.43285	16.4	-43.2	-38.5	-4.7	2	13.7
2.4329	16.4	-43.2	-38.3	-4.9	2	13.5
2.43295	16.4	-43.2	-38.3	-4.9	2	13.5
2.433	16.4	-43.2	-38.3	-4.9	2	13.5
2.43305	16.4	-43.2	-38.2	-5	2	13.4
2.4331	16.4	-43.2	-38.2	-5	2	13.4
2.43315	16.4	-43.2	-38.2	-5	2	13.4
2.4332	16.4	-43.2	-38.2	-5	2	13.4
2.43325	16.4	-43.2	-38.1	-5.1	2	13.3
2.4333	16.4	-43.2	-38.1	-5.1	2	13.3
2.43335	16.4	-43.2	-38.0	-5.2	2	13.2
2.4334	16.4	-43.2	-38.0	-5.2	2	13.2
2.43345	16.4	-43.2	-37.8	-5.4	2	13.0
2.4335	16.4	-43.2	-37.8	-5.4	2	13.0
2.43355	16.4	-43.2	-37.8	-5.4	2	13.0
2.4336	16.4	-43.2	-37.8	-5.4	2	13.0
2.43365	16.4	-43.2	-37.8	-5.4	2	13.0
2.4337	16.4	-43.2	-37.8	-5.4	2	13.0
2.43375	16.4	-43.2	-37.8	-5.4	2	13.0
2.4338	16.4	-43.2	-37.8	-5.4	2	13.0
2.43385	16.4	-43.2	-37.7	-5.5	2	12.9
2.4339	16.4	-43.2	-37.7	-5.5	2	12.9



2.43395	16.4	-43.2	-37.7	-5.5	2	12.9
2.434	16.4	-43.2	-37.7	-5.5	2	12.9
2.43405	16.4	-43.2	-37.7	-5.5	2	12.9
2.4341	16.4	-43.2	-37.7	-5.5	2	12.9
2.43415	16.4	-43.2	-37.6	-5.6	2	12.8
2.4342	16.4	-43.2	-37.6	-5.6	2	12.8
2.43425	16.4	-43.2	-37.6	-5.6	2	12.8
2.4343	16.4	-43.2	-37.6	-5.6	2	12.8
2.43435	16.4	-43.2	-37.6	-5.6	2	12.8
2.4344	16.4	-43.2	-37.6	-5.6	2	12.8
2.43445	16.4	-43.2	-37.6	-5.6	2	12.8
2.4345	16.4	-43.2	-37.6	-5.6	2	12.8
2.43455	16.4	-43.2	-37.5	-5.7	2	12.7
2.4346	16.4	-43.2	-37.5	-5.7	2	12.7
2.43465	16.4	-43.2	-37.5	-5.7	2	12.7
2.4347	16.4	-43.2	-37.5	-5.7	2	12.7
2.43475	16.4	-43.2	-37.4	-5.8	2	12.6
2.4348	16.4	-43.2	-37.4	-5.8	2	12.6
2.43485	16.4	-43.2	-37.4	-5.8	2	12.6
2.4349	16.4	-43.2	-37.3	-5.9	2	12.5
2.43495	16.4	-43.2	-37.3	-5.9	2	12.5
2.435	16.4	-43.2	-37.3	-5.9	2	12.5
2.43505	16.4	-43.2	-37.3	-5.9	2	12.5
2.4351	16.4	-43.2	-37.2	-6.0	2	12.4
2.43515	16.4	-43.2	-37.2	-6.0	2	12.4
2.4352	16.4	-43.2	-37.2	-6.0	2	12.4
2.43525	16.4	-43.2	-37.1	-6.1	2	12.3
2.4353	16.4	-43.2	-37.1	-6.1	2	12.3
2.43535	16.4	-43.2	-37	-6.2	2	12.2
2.4354	16.4	-43.2	-37	-6.2	2	12.2
2.43545	16.4	-43.2	-36.9	-6.3	2	12.1
2.4355	16.4	-43.2	-36.9	-6.3	2	12.1
2.43555	16.4	-43.2	-36.9	-6.3	2	12.1
2.4356	16.4	-43.2	-36.8	-6.4	2	12.0
2.43565	16.4	-43.2	-36.8	-6.4	2	12.0
2.4357	16.4	-43.2	-36.8	-6.4	2	12.0
2.43575	16.4	-43.2	-36.8	-6.4	2	12.0
2.4358	16.4	-43.2	-36.7	-6.5	2	11.9
2.43585	16.4	-43.2	-36.7	-6.5	2	11.9
2.4359	16.4	-43.2	-36.6	-6.6	2	11.8
2.43595	16.4	-43.2	-36.6	-6.6	2	11.8
2.436	16.4	-43.2	-36.5	-6.7	2	11.7
2.43605	16.4	-43.2	-36.4	-6.8	2	11.6
2.4361	16.4	-43.2	-36.4	-6.8	2	11.6



2.43615	16.4	-43.2	-36.4	-6.8	2	11.6
2.4362	16.4	-43.2	-36.3	-6.9	2	11.5
2.43625	16.4	-43.2	-36.3	-6.9	2	11.5
2.4363	16.4	-43.2	-36.3	-6.9	2	11.5
2.43635	16.4	-43.2	-36.3	-6.9	2	11.5
2.4364	16.4	-43.2	-36.2	-7.0	2	11.4
2.43645	16.4	-43.2	-36.2	-7.0	2	11.4
2.4365	16.4	-43.2	-36.2	-7.0	2	11.4
2.43655	16.4	-43.2	-36.1	-7.1	2	11.3
2.4366	16.4	-43.2	-36.1	-7.1	2	11.3
2.43665	16.4	-43.2	-36.1	-7.1	2	11.3
2.4367	16.4	-43.2	-36.1	-7.1	2	11.3
2.43675	16.4	-43.2	-36.1	-7.1	2	11.3
2.4368	16.4	-43.2	-36.1	-7.1	2	11.3
2.43685	16.4	-43.2	-36.1	-7.1	2	11.3
2.4369	16.4	-43.2	-36.1	-7.1	2	11.3
2.43695	16.4	-43.2	-36.0	-7.2	2	11.2
2.437	16.4	-43.2	-36.0	-7.2	2	11.2
2.43705	16.4	-43.2	-36.0	-7.2	2	11.2
2.4371	16.4	-43.2	-36.1	-7.1	2	11.3
2.43715	16.4	-43.2	-36.1	-7.1	2	11.3
2.4372	16.4	-43.2	-36.1	-7.1	2	11.3
2.43725	16.4	-43.2	-36.2	-7	2	11.4
2.4373	16.4	-43.2	-36.2	-7	2	11.4
2.43735	16.4	-43.2	-36.2	-7	2	11.4
2.4374	16.4	-43.2	-36.2	-7	2	11.4
2.43745	16.4	-43.2	-36.3	-6.9	2	11.5
2.4375	16.4	-43.2	-36.3	-6.9	2	11.5
2.43755	16.4	-43.2	-36.3	-6.9	2	11.5
2.4376	16.4	-43.2	-36.4	-6.8	2	11.6
2.43765	16.4	-43.2	-36.4	-6.8	2	11.6
2.4377	16.4	-43.2	-36.5	-6.7	2	11.7
2.43775	16.4	-43.2	-36.5	-6.7	2	11.7
2.4378	16.4	-43.2	-36.5	-6.7	2	11.7
2.43785	16.4	-43.2	-36.5	-6.7	2	11.7
2.4379	16.4	-43.2	-36.6	-6.6	2	11.8
2.43795	16.4	-43.2	-36.6	-6.6	2	11.8
2.438	16.4	-43.2	-36.5	-6.7	2	11.7
2.43805	16.4	-43.2	-36.6	-6.6	2	11.8
2.4381	16.4	-43.2	-36.7	-6.5	2	11.9
2.43815	16.4	-43.2	-36.7	-6.5	2	11.9
2.4382	16.4	-43.2	-36.7	-6.5	2	11.9
2.43825	16.4	-43.2	-36.8	-6.4	2	12.0
2.4383	16.4	-43.2	-36.7	-6.5	2	11.9



2.43835	16.4	-43.2	-36.8	-6.4	2	12.0
2.4384	16.4	-43.2	-36.8	-6.4	2	12.0
2.43845	16.4	-43.2	-36.8	-6.4	2	12.0
2.4385	16.4	-43.2	-36.9	-6.3	2	12.1
2.43855	16.4	-43.2	-36.9	-6.3	2	12.1
2.4386	16.4	-43.2	-36.8	-6.4	2	12.0
2.43865	16.4	-43.2	-36.9	-6.3	2	12.1
2.4387	16.4	-43.2	-36.9	-6.3	2	12.1
2.43875	16.4	-43.2	-37.0	-6.2	2	12.2
2.4388	16.4	-43.2	-37.0	-6.2	2	12.2
2.43885	16.4	-43.2	-37.1	-6.1	2	12.3
2.4389	16.4	-43.2	-37.1	-6.1	2	12.3
2.43895	16.4	-43.2	-37.1	-6.1	2	12.3
2.439	16.4	-43.2	-37.2	-6	2	12.4
2.43905	16.4	-43.2	-37.2	-6	2	12.4
2.4391	16.4	-43.2	-37.2	-6	2	12.4
2.43915	16.4	-43.2	-37.3	-5.9	2	12.5
2.4392	16.4	-43.2	-37.3	-5.9	2	12.5
2.43925	16.4	-43.2	-37.3	-5.9	2	12.5
2.4393	16.4	-43.2	-37.4	-5.8	2	12.6
2.43935	16.4	-43.2	-37.5	-5.7	2	12.7
2.4394	16.4	-43.2	-37.5	-5.7	2	12.7
2.43945	16.4	-43.2	-37.6	-5.6	2	12.8
2.4395	16.4	-43.2	-37.6	-5.6	2	12.8
2.43955	16.4	-43.2	-37.7	-5.5	2	12.9
2.4396	16.4	-43.2	-37.7	-5.5	2	12.9
2.43965	16.4	-43.2	-37.7	-5.5	2	12.9
2.4397	16.4	-43.2	-37.8	-5.4	2	13.0
2.43975	16.4	-43.2	-37.8	-5.4	2	13.0
2.4398	16.4	-43.2	-37.8	-5.4	2	13.0
2.43985	16.4	-43.2	-37.9	-5.3	2	13.1
2.4399	16.4	-43.2	-37.8	-5.4	2	13.0
2.43995	16.4	-43.2	-37.9	-5.3	2	13.1
2.44	16.4	-43.2	-37.9	-5.3	2	13.1
2.44005	16.4	-43.2	-38.0	-5.2	2	13.2
2.4401	16.4	-43.2	-38.0	-5.2	2	13.2
2.44015	16.4	-43.2	-38.0	-5.2	2	13.2
2.4402	16.4	-43.2	-38.1	-5.1	2	13.3
2.44025	16.4	-43.2	-38	-5.2	2	13.2
2.4403	16.4	-43.2	-38.1	-5.1	2	13.3
2.44035	16.4	-43.2	-38.1	-5.1	2	13.3
2.4404	16.4	-43.2	-38.2	-5	2	13.4
2.44045	16.4	-43.2	-38.2	-5	2	13.4
2.4405	16.4	-43.2	-38.2	-5	2	13.4



2.44055	16.4	-43.2	-38.2	-5	2	13.4
2.4406	16.4	-43.2	-38.3	-4.9	2	13.5
2.44065	16.4	-43.2	-38.3	-4.9	2	13.5
2.4407	16.4	-43.2	-38.3	-4.9	2	13.5
2.44075	16.4	-43.2	-38.4	-4.8	2	13.6
2.4408	16.4	-43.2	-38.4	-4.8	2	13.6
2.44085	16.4	-43.2	-38.4	-4.8	2	13.6
2.4409	16.4	-43.2	-38.5	-4.7	2	13.7
2.44095	16.4	-43.2	-38.5	-4.7	2	13.7
2.441	16.4	-43.2	-38.5	-4.7	2	13.7
2.44105	16.4	-43.2	-38.6	-4.6	2	13.8
2.4411	16.4	-43.2	-38.6	-4.6	2	13.8
2.44115	16.4	-43.2	-38.6	-4.6	2	13.8
2.4412	16.4	-43.2	-38.6	-4.6	2	13.8
2.44125	16.4	-43.2	-38.7	-4.5	2	13.9
2.4413	16.4	-43.2	-38.7	-4.5	2	13.9
2.44135	16.4	-43.2	-38.7	-4.5	2	13.9
2.4414	16.4	-43.2	-38.8	-4.4	2	14.0
2.44145	16.4	-43.2	-38.8	-4.4	2	14.0
2.4415	16.4	-43.2	-38.8	-4.4	2	14.0
2.44155	16.4	-43.2	-38.8	-4.4	2	14.0
2.4416	16.4	-43.2	-38.9	-4.3	2	14.1
2.44165	16.4	-43.2	-38.9	-4.3	2	14.1
2.4417	16.4	-43.2	-38.8	-4.4	2	14.0
2.44175	16.4	-43.2	-39.0	-4.2	2	14.2
2.4418	16.4	-43.2	-39.0	-4.2	2	14.2
2.44185	16.4	-43.2	-39.0	-4.2	2	14.2
2.4419	16.4	-43.2	-39.1	-4.1	2	14.3
2.44195	16.4	-43.2	-39	-4.2	2	14.2
2.442	16.4	-43.2	-39.1	-4.1	2	14.3
2.44205	16.4	-43.2	-39.1	-4.1	2	14.3
2.4421	16.4	-43.2	-39.2	-4.0	2	14.4
2.44215	16.4	-43.2	-39.2	-4.0	2	14.4
2.4422	16.4	-43.2	-39.3	-3.9	2	14.5
2.44225	16.4	-43.2	-39.3	-3.9	2	14.5
2.4423	16.4	-43.2	-39.3	-3.9	2	14.5
2.44235	16.4	-43.2	-39.4	-3.8	2	14.6
2.4424	16.4	-43.2	-39.4	-3.8	2	14.6
2.44245	16.4	-43.2	-39.4	-3.8	2	14.6
2.4425	16.4	-43.2	-39.5	-3.7	2	14.7
2.44255	16.4	-43.2	-39.5	-3.7	2	14.7
2.4426	16.4	-43.2	-39.5	-3.7	2	14.7
2.44265	16.4	-43.2	-39.6	-3.6	2	14.8
2.4427	16.4	-43.2	-39.7	-3.5	2	14.9



2.44275	16.4	-43.2	-39.7	-3.5	2	14.9
2.4428	16.4	-43.2	-39.7	-3.5	2	14.9
2.44285	16.4	-43.2	-39.7	-3.5	2	14.9
2.4429	16.4	-43.2	-39.8	-3.4	2	15
2.44295	16.4	-43.2	-39.8	-3.4	2	15
2.443	16.4	-43.2	-39.8	-3.4	2	15
2.44305	16.4	-43.2	-39.9	-3.3	2	15.1
2.4431	16.4	-43.2	-39.9	-3.3	2	15.1
2.44315	16.4	-43.2	-39.9	-3.3	2	15.1
2.4432	16.4	-43.2	-39.9	-3.3	2	15.1
2.44325	16.4	-43.2	-40.0	-3.2	2	15.2
2.4433	16.4	-43.2	-40.0	-3.2	2	15.2
2.44335	16.4	-43.2	-40.0	-3.2	2	15.2
2.4434	16.4	-43.2	-40.0	-3.2	2	15.2
2.44345	16.4	-43.2	-40.0	-3.2	2	15.2

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.4435	16.4	-43.2	-40.1	-3.1	2	15.3
2.44355	16.4	-43.2	-40.1	-3.1	2	15.3
2.4436	16.4	-43.2	-40.3	-2.9	2	15.5
2.44365	16.4	-43.2	-40.3	-2.9	2	15.5
2.4437	16.4	-43.2	-40.3	-2.9	2	15.5
2.44375	16.4	-43.2	-40.4	-2.8	2	15.6
2.4438	16.4	-43.2	-40.4	-2.8	2	15.6
2.44385	16.4	-43.2	-40.5	-2.7	2	15.7
2.4439	16.4	-43.2	-40.5	-2.7	2	15.7
2.44395	16.4	-43.2	-40.6	-2.6	2	15.8
2.444	16.4	-43.2	-40.7	-2.5	2	15.9
2.44405	16.4	-43.2	-40.7	-2.5	2	15.9
2.4441	16.4	-43.2	-40.9	-2.3	2	16.1
2.44415	16.4	-43.2	-40.9	-2.3	2	16.1
2.4442	16.4	-43.2	-41.0	-2.2	2	16.2
2.44425	16.4	-43.2	-41.0	-2.2	2	16.2
2.4443	16.4	-43.2	-41.2	-2.0	2	16.4
2.44435	16.4	-43.2	-41.2	-2.0	2	16.4
2.4444	16.4	-43.2	-41.2	-2.0	2	16.4
2.44445	16.4	-43.2	-41.3	-1.9	2	16.5
2.4445	16.4	-43.2	-41.3	-1.9	2	16.5



Channel 1

Freq.	(S/N)	Snoise ref.	Jammer	MJ	Lsys	Gp
MHz	dB	dBm	dBm	dB	dB	dB
2.4035	16.4	-44.4	-46.1	1.7	2	20.1
2.40355	16.4	-44.4	-46.0	1.6	2	20
2.4036	16.4	-44.4	-46.0	1.6	2	20
2.40365	16.4	-44.4	-45.9	1.5	2	19.9
2.4037	16.4	-44.4	-45.9	1.5	2	19.9
2.40375	16.4	-44.4	-45.9	1.5	2	19.9
2.4038	16.4	-44.4	-45.9	1.5	2	19.9
2.40385	16.4	-44.4	-45.8	1.4	2	19.8
2.4039	16.4	-44.4	-45.8	1.4	2	19.8
2.40395	16.4	-44.4	-45.9	1.5	2	19.9
2.404	16.4	-44.4	-45.9	1.5	2	19.9
2.40405	16.4	-44.4	-45.7	1.3	2	19.7
2.4041	16.4	-44.4	-45.7	1.3	2	19.7
2.40415	16.4	-44.4	-45.8	1.4	2	19.8
2.4042	16.4	-44.4	-45.6	1.2	2	19.6
2.40425	16.4	-44.4	-45.7	1.3	2	19.7
2.4043	16.4	-44.4	-45.7	1.3	2	19.7
2.40435	16.4	-44.4	-45.6	1.2	2	19.6
2.4044	16.4	-44.4	-45.7	1.3	2	19.7
2.40445	16.4	-44.4	-45.7	1.3	2	19.7
2.4045	16.4	-44.4	-45.6	1.2	2	19.6
2.40455	16.4	-44.4	-45.5	1.1	2	19.5
2.4046	16.4	-44.4	-45.3	0.9	2	19.3
2.40465	16.4	-44.4	-45.1	0.7	2	19.1
2.4047	16.4	-44.4	-44.6	0.2	2	18.6
2.40475	16.4	-44.4	-42.8	-1.6	2	16.8
2.4048	16.4	-44.4	-42.9	-1.5	2	16.9
2.40485	16.4	-44.4	-42.8	-1.6	2	16.8
2.4049	16.4	-44.4	-42.8	-1.6	2	16.8
2.40495	16.4	-44.4	-42.8	-1.6	2	16.8
2.405	16.4	-44.4	-42.7	-1.7	2	16.7
2.40505	16.4	-44.4	-42.7	-1.7	2	16.7
2.4051	16.4	-44.4	-42.5	-1.9	2	16.5
2.40515	16.4	-44.4	-42.6	-1.8	2	16.6
2.4052	16.4	-44.4	-42.3	-2.1	2	16.3
2.40525	16.4	-44.4	-42.5	-1.9	2	16.5
2.4053	16.4	-44.4	-42.3	-2.1	2	16.3
2.40535	16.4	-44.4	-42.4	-2	2	16.4



2.4054	16.4	-44.4	-42.5	-1.9	2	16.5
2.40545	16.4	-44.4	-42.3	-2.1	2	16.3
2.4055	16.4	-44.4	-42.3	-2.1	2	16.3
2.40555	16.4	-44.4	-42.1	-2.3	2	16.1
2.4056	16.4	-44.4	-42.2	-2.2	2	16.2
2.40565	16.4	-44.4	-42.1	-2.3	2	16.1
2.4057	16.4	-44.4	-42	-2.4	2	16
2.40575	16.4	-44.4	-42	-2.4	2	16
2.4058	16.4	-44.4	-41.8	-2.6	2	15.8
2.40585	16.4	-44.4	-41.7	-2.7	2	15.7
2.4059	16.4	-44.4	-41.8	-2.6	2	15.8
2.40595	16.4	-44.4	-41.4	-3	2	15.4
2.406	16.4	-44.4	-41.3	-3.1	2	15.3
2.40605	16.4	-44.4	-40.9	-3.5	2	14.9
2.4061	16.4	-44.4	-40.9	-3.5	2	14.9
2.40615	16.4	-44.4	-40.7	-3.7	2	14.7
2.4062	16.4	-44.4	-40.8	-3.6	2	14.8
2.40625	16.4	-44.4	-40.5	-3.9	2	14.5
2.4063	16.4	-44.4	-40.6	-3.8	2	14.6
2.40635	16.4	-44.4	-40.6	-3.8	2	14.6
2.4064	16.4	-44.4	-40.4	-4	2	14.4
2.40645	16.4	-44.4	-40.5	-3.9	2	14.5
2.4065	16.4	-44.4	-40.2	-4.2	2	14.2
2.40655	16.4	-44.4	-40.0	-4.4	2	14.0
2.4066	16.4	-44.4	-40.1	-4.3	2	14.10
2.40665	16.4	-44.4	-40.0	-4.4	2	14.00
2.4067	16.4	-44.4	-39.9	-4.5	2	13.90
2.40675	16.4	-44.4	-39.9	-4.5	2	13.9
2.4068	16.4	-44.4	-39.7	-4.7	2	13.7
2.40685	16.4	-44.4	-39.8	-4.6	2	13.8
2.4069	16.4	-44.4	-39.8	-4.6	2	13.8
2.40695	16.4	-44.4	-39.6	-4.8	2	13.6
2.407	16.4	-44.4	-39.5	-4.9	2	13.5
2.40705	16.4	-44.4	-39.5	-4.9	2	13.5
2.4071	16.4	-44.4	-39.6	-4.8	2	13.6
2.40715	16.4	-44.4	-39.4	-5	2	13.4
2.4072	16.4	-44.4	-39.5	-4.9	2	13.5
2.40725	16.4	-44.4	-39.4	-5	2	13.4
2.4073	16.4	-44.4	-39.3	-5.1	2	13.3
2.40735	16.4	-44.4	-39.3	-5.1	2	13.3
2.4074	16.4	-44.4	-39.2	-5.2	2	13.2
2.40745	16.4	-44.4	-39.1	-5.3	2	13.1
2.4075	16.4	-44.4	-39.1	-5.3	2	13.1
2.40755	16.4	-44.4	-39.0	-5.4	2	13.0



2.4076	16.4	-44.4	-39.1	-5.3	2	13.1
2.40765	16.4	-44.4	-39.0	-5.4	2	13.0
2.4077	16.4	-44.4	-38.9	-5.5	2	12.9
2.40775	16.4	-44.4	-38.9	-5.5	2	12.9
2.4078	16.4	-44.4	-38.8	-5.6	2	12.8
2.40785	16.4	-44.4	-38.7	-5.7	2	12.7
2.4079	16.4	-44.4	-38.9	-5.5	2	12.9
2.40795	16.4	-44.4	-38.8	-5.6	2	12.8
2.408	16.4	-44.4	-38.7	-5.7	2	12.7
2.40805	16.4	-44.4	-38.9	-5.5	2	12.9
2.4081	16.4	-44.4	-38.8	-5.6	2	12.8
2.40815	16.4	-44.4	-38.7	-5.7	2	12.7
2.4082	16.4	-44.4	-38.7	-5.7	2	12.7
2.40825	16.4	-44.4	-38.7	-5.7	2	12.7
2.4083	16.4	-44.4	-38.6	-5.8	2	12.6
2.40835	16.4	-44.4	-38.5	-5.9	2	12.5
2.4084	16.4	-44.4	-38.4	-6	2	12.4
2.40845	16.4	-44.4	-38.4	-6	2	12.4
2.4085	16.4	-44.4	-38.5	-5.9	2	12.5
2.40855	16.4	-44.4	-38.4	-6	2	12.4
2.4086	16.4	-44.4	-38.4	-6	2	12.4
2.40865	16.4	-44.4	-38.5	-5.9	2	12.5
2.4087	16.4	-44.4	-38.4	-6	2	12.4
2.40875	16.4	-44.4	-38.4	-6	2	12.4
2.4088	16.4	-44.4	-38.3	-6.1	2	12.3
2.40885	16.4	-44.4	-38.3	-6.1	2	12.3
2.4089	16.4	-44.4	-38.2	-6.2	2	12.2
2.40895	16.4	-44.4	-38.2	-6.2	2	12.2
2.409	16.4	-44.4	-38.1	-6.3	2	12.1
2.40905	16.4	-44.4	-38.1	-6.3	2	12.1
2.4091	16.4	-44.4	-38.2	-6.2	2	12.2
2.40915	16.4	-44.4	-38.1	-6.3	2	12.1
2.4092	16.4	-44.4	-38.0	-6.4	2	12.0
2.40925	16.4	-44.4	-38.1	-6.3	2	12.1
2.4093	16.4	-44.4	-38.1	-6.3	2	12.1
2.40935	16.4	-44.4	-38.1	-6.3	2	12.1
2.4094	16.4	-44.4	-38.1	-6.3	2	12.1
2.40945	16.4	-44.4	-38.1	-6.3	2	12.1
2.4095	16.4	-44.4	-38.0	-6.4	2	12
2.40955	16.4	-44.4	-38.0	-6.4	2	12
2.4096	16.4	-44.4	-38.0	-6.4	2	12.0
2.40965	16.4	-44.4	-38.0	-6.4	2	12
2.4097	16.4	-44.4	-37.9	-6.5	2	11.9
2.40975	16.4	-44.4	-37.9	-6.5	2	11.9



2.4098	16.4	-44.4	-38.0	-6.4	2	12.0
2.40985	16.4	-44.4	-37.9	-6.5	2	11.9
2.4099	16.4	-44.4	-37.9	-6.5	2	11.9
2.40995	16.4	-44.4	-37.9	-6.5	2	11.9
2.41	16.4	-44.4	-37.8	-6.6	2	11.8
2.41005	16.4	-44.4	-37.6	-6.8	2	11.6
2.4101	16.4	-44.4	-37.4	-7	2	11.4
2.41015	16.4	-44.4	-37.5	-6.9	2	11.5
2.4102	16.4	-44.4	-37.4	-7	2	11.4
2.41025	16.4	-44.4	-37.3	-7.1	2	11.3
2.4103	16.4	-44.4	-37.2	-7.2	2	11.2
2.41035	16.4	-44.4	-37.1	-7.3	2	11.1
2.4104	16.4	-44.4	-37.1	-7.3	2	11.1
2.41045	16.4	-44.4	-37.1	-7.3	2	11.1
2.4105	16.4	-44.4	-37.0	-7.4	2	11.0
2.41055	16.4	-44.4	-37.0	-7.4	2	11.0
2.4106	16.4	-44.4	-36.9	-7.5	2	10.9
2.41065	16.4	-44.4	-36.9	-7.5	2	10.9
2.4107	16.4	-44.4	-36.8	-7.6	2	10.8
2.41075	16.4	-44.4	-36.7	-7.7	2	10.7
2.4108	16.4	-44.4	-36.8	-7.6	2	10.8
2.41085	16.4	-44.4	-36.8	-7.6	2	10.8
2.4109	16.4	-44.4	-36.7	-7.7	2	10.7
2.41095	16.4	-44.4	-36.8	-7.6	2	10.8
2.411	16.4	-44.4	-36.8	-7.6	2	10.8
2.41105	16.4	-44.4	-36.8	-7.6	2	10.8
2.4111	16.4	-44.4	-36.8	-7.6	2	10.8
2.41115	16.4	-44.4	-36.8	-7.6	2	10.8
2.4112	16.4	-44.4	-36.7	-7.7	2	10.7
2.41125	16.4	-44.4	-36.6	-7.8	2	10.6
2.4113	16.4	-44.4	-36.6	-7.8	2	10.6
2.41135	16.4	-44.4	-36.5	-7.9	2	10.5
2.4114	16.4	-44.4	-36.5	-7.9	2	10.5
2.41145	16.4	-44.4	-36.6	-7.8	2	10.6
2.4115	16.4	-44.4	-36.5	-7.9	2	10.5
2.41155	16.4	-44.4	-36.5	-7.9	2	10.5
2.4116	16.4	-44.4	-36.5	-7.9	2	10.5
2.41165	16.4	-44.4	-36.5	-8.0	2	10.4
2.4117	16.4	-44.4	-36.7	-7.7	2	10.7
2.41175	16.4	-44.4	-36.6	-7.8	2	10.6
2.4118	16.4	-44.4	-36.5	-7.9	2	10.5
2.41185	16.4	-44.4	-36.5	-7.9	2	10.5
2.4119	16.4	-44.4	-36.4	-8	2	10.4
2.41195	16.4	-44.4	-36.4	-8	2	10.4



2.412	16.4	-44.4	-36.4	-8	2	10.4
2.41205	16.4	-44.4	-36.4	-8	2	10.4
2.4121	16.4	-44.4	-36.5	-7.9	2	10.5
2.41215	16.4	-44.4	-36.4	-8	2	10.4
2.4122	16.4	-44.4	-36.5	-7.9	2	10.5
2.41225	16.4	-44.4	-36.4	-8	2	10.4
2.4123	16.4	-44.4	-36.6	-7.8	2	10.6
2.41235	16.4	-44.4	-36.5	-7.9	2	10.5
2.4124	16.4	-44.4	-36.6	-7.8	2	10.6
2.41245	16.4	-44.4	-36.5	-7.9	2	10.5
2.4125	16.4	-44.4	-36.4	-8	2	10.4
2.41255	16.4	-44.4	-36.7	-7.7	2	10.7
2.4126	16.4	-44.4	-36.9	-7.5	2	10.9
2.41265	16.4	-44.4	-37.2	-7.2	2	11.2
2.4127	16.4	-44.4	-37.4	-7	2	11.4
2.41275	16.4	-44.4	-37.3	-7.1	2	11.3
2.4128	16.4	-44.4	-37.6	-6.8	2	11.6
2.41285	16.4	-44.4	-37.7	-6.7	2	11.7
2.4129	16.4	-44.4	-37.5	-6.9	2	11.5
2.41295	16.4	-44.4	-37.4	-7	2	11.4
2.413	16.4	-44.4	-37.3	-7.1	2	11.3
2.41305	16.4	-44.4	-37.6	-6.8	2	11.6
2.4131	16.4	-44.4	-37.7	-6.7	2	11.7
2.41315	16.4	-44.4	-37.9	-6.5	2	11.9
2.4132	16.4	-44.4	-37.7	-6.7	2	11.7
2.41325	16.4	-44.4	-37.8	-6.6	2	11.8
2.4133	16.4	-44.4	-37.7	-6.7	2	11.7
2.41335	16.4	-44.4	-37.6	-6.8	2	11.6
2.4134	16.4	-44.4	-37.8	-6.6	2	11.8
2.41345	16.4	-44.4	-37.8	-6.6	2	11.8
2.4135	16.4	-44.4	-37.7	-6.7	2	11.7
2.41355	16.4	-44.4	-37.6	-6.8	2	11.6
2.4136	16.4	-44.4	-37.8	-6.6	2	11.8
2.41365	16.4	-44.4	-37.8	-6.6	2	11.8
2.4137	16.4	-44.4	-37.7	-6.7	2	11.7
2.41375	16.4	-44.4	-37.6	-6.8	2	11.6
2.4138	16.4	-44.4	-37.8	-6.6	2	11.8
2.41385	16.4	-44.4	-38.9	-5.5	2	12.9
2.4139	16.4	-44.4	-37.7	-6.7	2	11.7
2.41395	16.4	-44.4	-38.0	-6.4	2	12
2.414	16.4	-44.4	-37.8	-6.6	2	11.8
2.41405	16.4	-44.4	-38.1	-6.3	2	12.1
2.4141	16.4	-44.4	-38.0	-6.4	2	12
2.41415	16.4	-44.4	-38.0	-6.4	2	12



2.4142	16.4	-44.4	-38.1	-6.3	2	12.1
2.41425	16.4	-44.4	-38.1	-6.3	2	12.1
2.4143	16.4	-44.4	-38.0	-6.4	2	12
2.41435	16.4	-44.4	-37.9	-6.5	2	11.9
2.4144	16.4	-44.4	-38.1	-6.3	2	12.1
2.41445	16.4	-44.4	-38.1	-6.3	2	12.1
2.4145	16.4	-44.4	-38.0	-6.4	2	12
2.41455	16.4	-44.4	-38.0	-6.4	2	12
2.4146	16.4	-44.4	-38.1	-6.3	2	12.1
2.41465	16.4	-44.4	-38.1	-6.3	2	12.1
2.4147	16.4	-44.4	-38.0	-6.4	2	12
2.41475	16.4	-44.4	-38.2	-6.2	2	12.2
2.4148	16.4	-44.4	-38.1	-6.3	2	12.1
2.41485	16.4	-44.4	-38.2	-6.2	2	12.2
2.4149	16.4	-44.4	-38.2	-6.2	2	12.2
2.41495	16.4	-44.4	-38.4	-6	2	12.4
2.415	16.4	-44.4	-38.3	-6.1	2	12.3
2.41505	16.4	-44.4	-38.4	-6	2	12.4
2.4151	16.4	-44.4	-38.4	-6	2	12.4
2.41515	16.4	-44.4	-38.3	-6.1	2	12.3
2.4152	16.4	-44.4	-38.4	-6	2	12.4
2.41525	16.4	-44.4	-38.4	-6	2	12.4
2.4153	16.4	-44.4	-38.4	-6	2	12.4
2.41535	16.4	-44.4	-38.3	-6.1	2	12.3
2.4154	16.4	-44.4	-38.4	-6	2	12.4
2.41545	16.4	-44.4	-38.4	-6	2	12.4
2.4155	16.4	-44.4	-38.4	-6	2	12.4
2.41555	16.4	-44.4	-38.5	-5.9	2	12.5
2.4156	16.4	-44.4	-38.5	-5.9	2	12.5
2.41565	16.4	-44.4	-38.6	-5.8	2	12.6
2.4157	16.4	-44.4	-38.6	-5.8	2	12.6
2.41575	16.4	-44.4	-38.5	-5.9	2	12.5
2.4158	16.4	-44.4	-38.5	-5.9	2	12.5
2.41585	16.4	-44.4	-38.6	-5.8	2	12.6
2.4159	16.4	-44.4	-38.7	-5.7	2	12.7
2.41595	16.4	-44.4	-38.9	-5.5	2	12.9
2.416	16.4	-44.4	-38.8	-5.6	2	12.8
2.41605	16.4	-44.4	-38.4	-6	2	12.4
2.4161	16.4	-44.4	-38.3	-6.1	2	12.3
2.41615	16.4	-44.4	-38.4	-6	2	12.4
2.4162	16.4	-44.4	-38.3	-6.1	2	12.3
2.41625	16.4	-44.4	-38.4	-6	2	12.4
2.4163	16.4	-44.4	-38.4	-6	2	12.4
2.41635	16.4	-44.4	-38.3	-6.1	2	12.3



2.4164	16.4	-44.4	-38.5	-5.9	2	12.5
2.41645	16.4	-44.4	-38.4	-6	2	12.4
2.4165	16.4	-44.4	-38.5	-5.9	2	12.5
2.41655	16.4	-44.4	-38.5	-5.9	2	12.5
2.4166	16.4	-44.4	-38.5	-5.9	2	12.5
2.41665	16.4	-44.4	-38.4	-6	2	12.4
2.4167	16.4	-44.4	-38.4	-6	2	12.4
2.41675	16.4	-44.4	-38.5	-5.9	2	12.5
2.4168	16.4	-44.4	-38.5	-5.9	2	12.5
2.41685	16.4	-44.4	-38.4	-6	2	12.4
2.4169	16.4	-44.4	-38.5	-5.9	2	12.5
2.41695	16.4	-44.4	-38.5	-5.9	2	12.5
2.417	16.4	-44.4	-38.7	-5.7	2	12.7
2.41705	16.4	-44.4	-38.7	-5.7	2	12.7
2.4171	16.4	-44.4	-38.6	-5.8	2	12.6
2.41715	16.4	-44.4	-38.8	-5.6	2	12.8
2.4172	16.4	-44.4	-38.8	-5.6	2	12.8
2.41725	16.4	-44.4	-39.0	-5.4	2	13
2.4173	16.4	-44.4	-39.5	-4.9	2	13.5
2.41735	16.4	-44.4	-39.5	-4.9	2	13.5
2.4174	16.4	-44.4	-39.7	-4.7	2	13.7
2.41745	16.4	-44.4	-39.9	-4.5	2	13.9
2.4175	16.4	-44.4	-41.1	-3.3	2	15.1
2.41755	16.4	-44.4	-41.4	-3	2	15.4
2.4176	16.4	-44.4	-41.5	-2.9	2	15.5
2.41765	16.4	-44.4	-41.7	-2.7	2	15.7
2.4177	16.4	-44.4	-41.8	-2.6	2	15.8
2.41775	16.4	-44.4	-41.8	-2.6	2	15.8
2.4178	16.4	-44.4	-42	-2.4	2	16
2.41785	16.4	-44.4	-42.1	-2.3	2	16.1
2.4179	16.4	-44.4	-42.2	-2.2	2	16.2
2.41795	16.4	-44.4	-42.1	-2.3	2	16.1
2.418	16.4	-44.4	-42.3	-2.1	2	16.3
2.41805	16.4	-44.4	-42.3	-2.1	2	16.3
2.4181	16.4	-44.4	-42.2	-2.2	2	16.2
2.41815	16.4	-44.4	-42.6	-1.8	2	16.6
2.4182	16.4	-44.4	-42.7	-1.7	2	16.7
2.41825	16.4	-44.4	-42.7	-1.7	2	16.7
2.4183	16.4	-44.4	-42.8	-1.6	2	16.8
2.41835	16.4	-44.4	-42.8	-1.6	2	16.8
2.4184	16.4	-44.4	-43	-1.4	2	17.0
2.41845	16.4	-44.4	-43	-1.4	2	17.0
2.4185	16.4	-44.4	-43.2	-1.2	2	17.2
2.41855	16.4	-44.4	-43.2	-1.2	2	17.2



HERMON LABORATORIES

2.4186	16.4	-44.4	-43.2	-1.2	2	17.2
2.41865	16.4	-44.4	-43.2	-1.2	2	17.2
2.4187	16.4	-44.4	-43.2	-1.2	2	17.2
2.41875	16.4	-44.4	-43.2	-1.2	2	17.2
2.4188	16.4	-44.4	-43.2	-1.2	2	17.2
2.41885	16.4	-44.4	-43.3	-1.1	2	17.3
2.4189	16.4	-44.4	-43.4	-1	2	17.4
2.41895	16.4	-44.4	-43.5	-0.9	2	17.5
2.419	16.4	-44.4	-43.5	-0.9	2	17.5
2.41905	16.4	-44.4	-43.6	-0.8	2	17.6
2.4191	16.4	-44.4	-43.6	-0.8	2	17.6
2.41915	16.4	-44.4	-43.6	-0.8	2	17.6
2.4192	16.4	-44.4	-43.6	-0.8	2	17.6
2.41925	16.4	-44.4	-43.7	-0.7	2	17.7
2.4193	16.4	-44.4	-43.7	-0.7	2	17.7
2.41935	16.4	-44.4	-43.8	-0.6	2	17.8
2.4194	16.4	-44.4	-43.9	-0.5	2	17.9
2.41945	16.4	-44.4	-43.9	-0.5	2	17.9
2.4195	16.4	-44.4	-44	-0.4	2	18



APPENDIX A – Test equipment and ancillaries used for tests

HL Serial No.	Serial No.	Description	Manufacturer	Model No.	Due Calibr.
0025	5837	Spectrum analyzer, 10 kHz-23 GHz	Anritsu	MS-710C	8/00
0056	2627	Attenuator, 50 Ohm, 2W, 0- 18 GHz, 30 dB	Hewlett Packard	8492A	2/01
0316	02BK	Power meter, RF, IEEE-488, 100 kHz-100GHz, -70 to +37 dBm	Boonton	4220-01	2/01
0460	27705	Power sensor 500 kHz to 18 GHz, 50 Ohm	Boonton	51075	2/01
0661	0266	Generator Swept Signal, 10MHz to 40GHz+ 10dBm	Hewlett Packard	83640B	2/01
0740	08167	Coupler coaxial directional 1.7-4.2 GHz	Narda	3043B-30	4/01