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

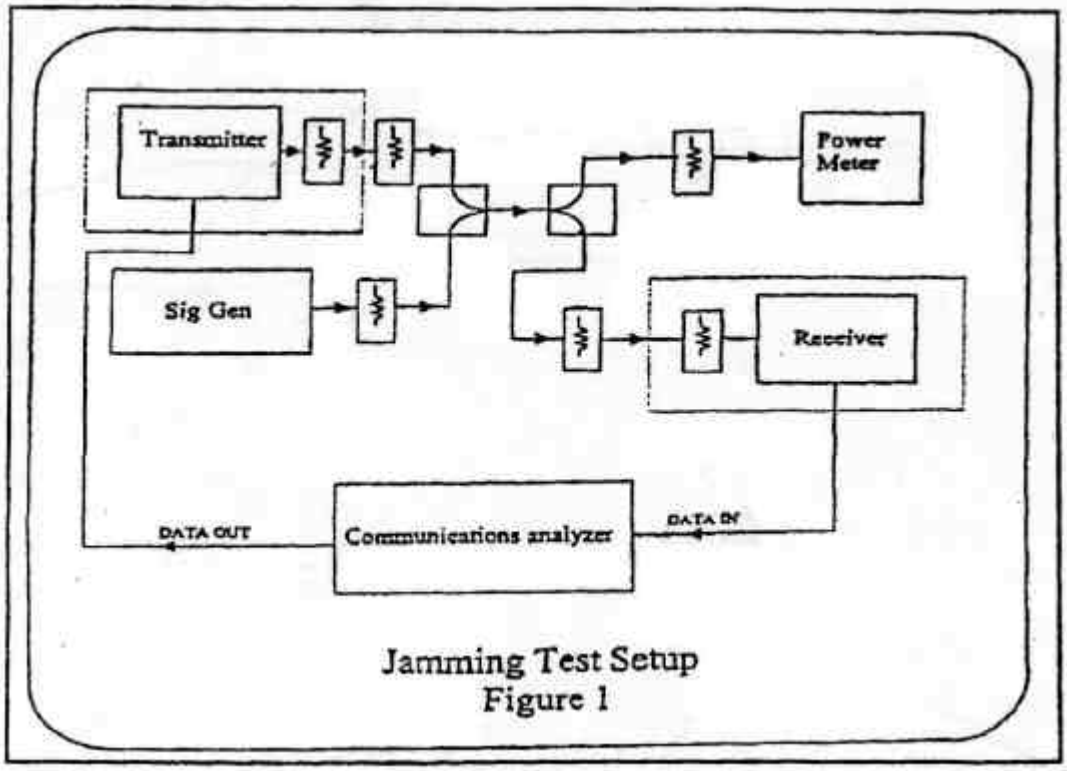
The processing gain was measured using the CW jamming margin method. Test setup is shown in Figure 1.
A signal generator was stepped in 50 kHz increments across the pass band of the system, recording at each point the generator level required to produce the BER = 10^{-5}. This level was the jammer level. 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:

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

G_p = processing gain of the system,
$(S/N)_o$ = signal to noise ratio = 16.4 dB @ BER 10^{-5} (Alvarion Declaration)
M_j = J/S ratio, the worst case, was found –1.7 dB,
L_{sys} = system losses = 2 dB;

hence

$$\mathbf{G_p = 16.4 - 1.7 + 2 = 16.7\ dB.\ > 10dB}$$



Jamming Test Setup
Figure 1

APPENDIX A – Test equipment and ancillaries used for tests

Serial No.	Description	Manufacturer	Model No.	Due Calibr.
3412A00137	Spectrum analyzer, 9 kHz-22 GHz	Hewlett Packard	8529L	Oct-30-2002
3308A72547	Attenuator, 50 Ohm, 2W, 0-18 GHz, 0-110dB	Hewlett Packard	8496B	Oct-30-2002
3308A40537	Attenuator, 50 Ohm, 2W, 0-18 GHz, 0-11dB	Hewlett Packard	8494B	Oct-30-2002
GB40513342	Power meter, RF	Agilent	E4419B	Oct-30-2002
US38482878	Power sensor, E series sensor –70-+20dBm, 50MHz-26.5GHz	Agilent	E4413B	Oct-30-2002
US37100986	Frequency synthesized signal generator 1-20GHz	Agilent	83731B	July-3-2002

Channel 1

Minimum process gain: 16.7

Frequency [MHz]	(S/N) [dB]	Reference Signal [dBm]	Jammer [dBm]	J/S [dB]	System Losses [dB]	Process Gain [dB]
5731.5	16.4	-44.4	-46.1	-1.7	2	16.7
5731.55	16.4	-44.4	-46	-1.6	2	16.8
5731.6	16.4	-44.4	-46	-1.6	2	16.8
5731.65	16.4	-44.4	-45.9	-1.5	2	16.9
5731.7	16.4	-44.4	-45.9	-1.5	2	16.9
5731.75	16.4	-44.4	-45.9	-1.5	2	16.9
5731.8	16.4	-44.4	-45.9	-1.5	2	16.9
5731.85	16.4	-44.4	-45.8	-1.4	2	17
5731.9	16.4	-44.4	-45.8	-1.4	2	17
5731.95	16.4	-44.4	-45.9	-1.5	2	16.9
5732	16.4	-44.4	-45.9	-1.5	2	16.9
5732.05	16.4	-44.4	-45.7	-1.3	2	17.1
5732.1	16.4	-44.4	-45.7	-1.3	2	17.1
5732.15	16.4	-44.4	-45.8	-1.4	2	17
5732.2	16.4	-44.4	-45.6	-1.2	2	17.2
5732.25	16.4	-44.4	-45.7	-1.3	2	17.1
5732.3	16.4	-44.4	-45.7	-1.3	2	17.1
5732.35	16.4	-44.4	-45.6	-1.2	2	17.2
5732.4	16.4	-44.4	-45.7	-1.3	2	17.1
5732.45	16.4	-44.4	-45.7	-1.3	2	17.1
5732.5	16.4	-44.4	-45.6	-1.2	2	17.2
5732.55	16.4	-44.4	-45.5	-1.1	2	17.3
5732.6	16.4	-44.4	-45.3	-0.9	2	17.5
5732.65	16.4	-44.4	-45.1	-0.7	2	17.7
5732.7	16.4	-44.4	-44.6	-0.2	2	18.2
5732.75	16.4	-44.4	-42.8	1.6	2	20
5732.8	16.4	-44.4	-42.9	1.5	2	19.9
5732.85	16.4	-44.4	-42.8	1.6	2	20
5732.9	16.4	-44.4	-42.8	1.6	2	20
5732.95	16.4	-44.4	-42.8	1.6	2	20
5733	16.4	-44.4	-42.7	1.7	2	20.1
5733.05	16.4	-44.4	-42.7	1.7	2	20.1
5733.1	16.4	-44.4	-42.5	1.9	2	20.3
5733.15	16.4	-44.4	-42.6	1.8	2	20.2
5733.2	16.4	-44.4	-42.3	2.1	2	20.5
5733.25	16.4	-44.4	-42.5	1.9	2	20.3
5733.3	16.4	-44.4	-42.3	2.1	2	20.5
5733.35	16.4	-44.4	-42.4	2	2	20.4
5733.4	16.4	-44.4	-42.5	1.9	2	20.3
5733.45	16.4	-44.4	-42.3	2.1	2	20.5
5733.5	16.4	-44.4	-42.3	2.1	2	20.5
5733.55	16.4	-44.4	-42.1	2.3	2	20.7
5733.6	16.4	-44.4	-42.2	2.2	2	20.6
5733.65	16.4	-44.4	-42.1	2.3	2	20.7
5733.7	16.4	-44.4	-42	2.4	2	20.8
5733.75	16.4	-44.4	-42	2.4	2	20.8
5733.8	16.4	-44.4	-41.8	2.6	2	21
5733.85	16.4	-44.4	-41.7	2.7	2	21.1

5733.9	16.4	-44.4	-41.8	2.6	2	21
5733.95	16.4	-44.4	-41.4	3	2	21.4
5734	16.4	-44.4	-41.3	3.1	2	21.5
5734.05	16.4	-44.4	-40.9	3.5	2	21.9
5734.1	16.4	-44.4	-40.9	3.5	2	21.9
5734.15	16.4	-44.4	-40.7	3.7	2	22.1
5734.2	16.4	-44.4	-40.8	3.6	2	22
5734.25	16.4	-44.4	-40.5	3.9	2	22.3
5734.3	16.4	-44.4	-40.6	3.8	2	22.2
5734.35	16.4	-44.4	-40.6	3.8	2	22.2
5734.4	16.4	-44.4	-40.4	4	2	22.4
5734.45	16.4	-44.4	-40.5	3.9	2	22.3
5734.5	16.4	-44.4	-40.2	4.2	2	22.6
5734.55	16.4	-44.4	-40	4.4	2	22.8
5734.6	16.4	-44.4	-40.1	4.3	2	22.7
5734.65	16.4	-44.4	-40	4.4	2	22.8
5734.7	16.4	-44.4	-39.9	4.5	2	22.9
5734.75	16.4	-44.4	-39.9	4.5	2	22.9
5734.8	16.4	-44.4	-39.7	4.7	2	23.1
5734.85	16.4	-44.4	-39.8	4.6	2	23
5734.9	16.4	-44.4	-39.8	4.6	2	23
5734.95	16.4	-44.4	-39.6	4.8	2	23.2
5735	16.4	-44.4	-39.5	4.9	2	23.3
5735.05	16.4	-44.4	-39.5	4.9	2	23.3
5735.1	16.4	-44.4	-39.6	4.8	2	23.2
5735.15	16.4	-44.4	-39.4	5	2	23.4
5735.2	16.4	-44.4	-39.5	4.9	2	23.3
5735.25	16.4	-44.4	-39.4	5	2	23.4
5735.3	16.4	-44.4	-39.3	5.1	2	23.5
5735.35	16.4	-44.4	-39.3	5.1	2	23.5
5735.4	16.4	-44.4	-39.2	5.2	2	23.6
5735.45	16.4	-44.4	-39.1	5.3	2	23.7
5735.5	16.4	-44.4	-39.1	5.3	2	23.7
5735.55	16.4	-44.4	-39	5.4	2	23.8
5735.6	16.4	-44.4	-39.1	5.3	2	23.7
5735.65	16.4	-44.4	-39	5.4	2	23.8
5735.7	16.4	-44.4	-38.9	5.5	2	23.9
5735.75	16.4	-44.4	-38.9	5.5	2	23.9
5735.8	16.4	-44.4	-38.8	5.6	2	24
5735.85	16.4	-44.4	-38.7	5.7	2	24.1
5735.9	16.4	-44.4	-38.9	5.5	2	23.9
5735.95	16.4	-44.4	-38.8	5.6	2	24
5736	16.4	-44.4	-38.7	5.7	2	24.1
5736.05	16.4	-44.4	-38.9	5.5	2	23.9
5736.1	16.4	-44.4	-38.8	5.6	2	24
5736.15	16.4	-44.4	-38.7	5.7	2	24.1
5736.2	16.4	-44.4	-38.7	5.7	2	24.1
5736.25	16.4	-44.4	-38.7	5.7	2	24.1
5736.3	16.4	-44.4	-38.6	5.8	2	24.2
5736.35	16.4	-44.4	-38.5	5.9	2	24.3
5736.4	16.4	-44.4	-38.4	6	2	24.4
5736.45	16.4	-44.4	-38.4	6	2	24.4
5736.5	16.4	-44.4	-38.5	5.9	2	24.3
5736.55	16.4	-44.4	-38.4	6	2	24.4
5736.6	16.4	-44.4	-38.4	6	2	24.4
5736.65	16.4	-44.4	-38.5	5.9	2	24.3

5736.7	16.4	-44.4	-38.4	6	2	24.4
5736.75	16.4	-44.4	-38.4	6	2	24.4
5736.8	16.4	-44.4	-38.3	6.1	2	24.5
5736.85	16.4	-44.4	-38.3	6.1	2	24.5
5736.9	16.4	-44.4	-38.2	6.2	2	24.6
5736.95	16.4	-44.4	-38.2	6.2	2	24.6
5737	16.4	-44.4	-38.1	6.3	2	24.7
5737.05	16.4	-44.4	-38.1	6.3	2	24.7
5737.1	16.4	-44.4	-38.2	6.2	2	24.6
5737.15	16.4	-44.4	-38.1	6.3	2	24.7
5737.2	16.4	-44.4	-38	6.4	2	24.8
5737.25	16.4	-44.4	-38.1	6.3	2	24.7
5737.3	16.4	-44.4	-38.1	6.3	2	24.7
5737.35	16.4	-44.4	-38.1	6.3	2	24.7
5737.4	16.4	-44.4	-38.1	6.3	2	24.7
5737.45	16.4	-44.4	-38.1	6.3	2	24.7
5737.5	16.4	-44.4	-38	6.4	2	24.8
5737.55	16.4	-44.4	-38	6.4	2	24.8
5737.6	16.4	-44.4	-38	6.4	2	24.8
5737.65	16.4	-44.4	-38	6.4	2	24.8
5737.7	16.4	-44.4	-37.9	6.5	2	24.9
5737.75	16.4	-44.4	-37.9	6.5	2	24.9
5737.8	16.4	-44.4	-38	6.4	2	24.8
5737.85	16.4	-44.4	-37.9	6.5	2	24.9
5737.9	16.4	-44.4	-37.9	6.5	2	24.9
5737.95	16.4	-44.4	-37.9	6.5	2	24.9
5738	16.4	-44.4	-37.8	6.6	2	25
5738.05	16.4	-44.4	-37.6	6.8	2	25.2
5738.1	16.4	-44.4	-37.4	7	2	25.4
5738.15	16.4	-44.4	-37.5	6.9	2	25.3
5738.2	16.4	-44.4	-37.4	7	2	25.4
5738.25	16.4	-44.4	-37.3	7.1	2	25.5
5738.3	16.4	-44.4	-37.2	7.2	2	25.6
5738.35	16.4	-44.4	-37.1	7.3	2	25.7
5738.4	16.4	-44.4	-37.1	7.3	2	25.7
5738.45	16.4	-44.4	-37.1	7.3	2	25.7
5738.5	16.4	-44.4	-37	7.4	2	25.8
5738.55	16.4	-44.4	-37	7.4	2	25.8
5738.6	16.4	-44.4	-36.9	7.5	2	25.9
5738.65	16.4	-44.4	-36.9	7.5	2	25.9
5738.7	16.4	-44.4	-36.8	7.6	2	26
5738.75	16.4	-44.4	-36.7	7.7	2	26.1
5738.8	16.4	-44.4	-36.8	7.6	2	26
5738.85	16.4	-44.4	-36.8	7.6	2	26
5738.9	16.4	-44.4	-36.7	7.7	2	26.1
5738.95	16.4	-44.4	-36.8	7.6	2	26
5739	16.4	-44.4	-36.8	7.6	2	26
5739.05	16.4	-44.4	-36.8	7.6	2	26
5739.1	16.4	-44.4	-36.8	7.6	2	26
5739.15	16.4	-44.4	-36.8	7.6	2	26
5739.2	16.4	-44.4	-36.7	7.7	2	26.1
5739.25	16.4	-44.4	-36.6	7.8	2	26.2
5739.3	16.4	-44.4	-36.6	7.8	2	26.2
5739.35	16.4	-44.4	-36.5	7.9	2	26.3
5739.4	16.4	-44.4	-36.5	7.9	2	26.3
5739.45	16.4	-44.4	-36.6	7.8	2	26.2

5739.5	16.4	-44.4	-36.5	7.9	2	26.3
5739.55	16.4	-44.4	-36.5	7.9	2	26.3
5739.6	16.4	-44.4	-36.5	7.9	2	26.3
5739.65	16.4	-44.4	-36.5	7.9	2	26.3
5739.7	16.4	-44.4	-36.7	7.7	2	26.1
5739.75	16.4	-44.4	-36.6	7.8	2	26.2
5739.8	16.4	-44.4	-36.5	7.9	2	26.3
5739.85	16.4	-44.4	-36.5	7.9	2	26.3
5739.9	16.4	-44.4	-36.4	8	2	26.4
5739.95	16.4	-44.4	-36.4	8	2	26.4
5740	16.4	-44.4	-36.4	8	2	26.4
5740.05	16.4	-44.4	-36.4	8	2	26.4
5740.1	16.4	-44.4	-36.5	7.9	2	26.3
5740.15	16.4	-44.4	-36.4	8	2	26.4
5740.2	16.4	-44.4	-36.5	7.9	2	26.3
5740.25	16.4	-44.4	-36.4	8	2	26.4
5740.3	16.4	-44.4	-36.6	7.8	2	26.2
5740.35	16.4	-44.4	-36.5	7.9	2	26.3
5740.4	16.4	-44.4	-36.6	7.8	2	26.2
5740.45	16.4	-44.4	-36.5	7.9	2	26.3
5740.5	16.4	-44.4	-36.4	8	2	26.4
5740.55	16.4	-44.4	-36.7	7.7	2	26.1
5740.6	16.4	-44.4	-36.9	7.5	2	25.9
5740.65	16.4	-44.4	-37.2	7.2	2	25.6
5740.7	16.4	-44.4	-37.4	7	2	25.4
5740.75	16.4	-44.4	-37.3	7.1	2	25.5
5740.8	16.4	-44.4	-37.6	6.8	2	25.2
5740.85	16.4	-44.4	-37.7	6.7	2	25.1
5740.9	16.4	-44.4	-37.5	6.9	2	25.3
5740.95	16.4	-44.4	-37.4	7	2	25.4
5741	16.4	-44.4	-37.3	7.1	2	25.5
5741.05	16.4	-44.4	-37.6	6.8	2	25.2
5741.1	16.4	-44.4	-37.7	6.7	2	25.1
5741.15	16.4	-44.4	-37.9	6.5	2	24.9
5741.2	16.4	-44.4	-37.7	6.7	2	25.1
5741.25	16.4	-44.4	-37.8	6.6	2	25
5741.3	16.4	-44.4	-37.7	6.7	2	25.1
5741.35	16.4	-44.4	-37.6	6.8	2	25.2
5741.4	16.4	-44.4	-37.8	6.6	2	25
5741.45	16.4	-44.4	-37.8	6.6	2	25
5741.5	16.4	-44.4	-37.7	6.7	2	25.1
5741.55	16.4	-44.4	-37.6	6.8	2	25.2
5741.6	16.4	-44.4	-37.8	6.6	2	25
5741.65	16.4	-44.4	-37.8	6.6	2	25
5741.7	16.4	-44.4	-37.7	6.7	2	25.1
5741.75	16.4	-44.4	-37.6	6.8	2	25.2
5741.8	16.4	-44.4	-37.8	6.6	2	25
5741.85	16.4	-44.4	-38.9	5.5	2	23.9
5741.9	16.4	-44.4	-37.7	6.7	2	25.1
5741.95	16.4	-44.4	-38	6.4	2	24.8
5742	16.4	-44.4	-37.8	6.6	2	25
5742.05	16.4	-44.4	-38.1	6.3	2	24.7
5742.1	16.4	-44.4	-38	6.4	2	24.8
5742.15	16.4	-44.4	-38	6.4	2	24.8
5742.2	16.4	-44.4	-38.1	6.3	2	24.7
5742.25	16.4	-44.4	-38.1	6.3	2	24.7

5742.3	16.4	-44.4	-38	6.4	2	24.8
5742.35	16.4	-44.4	-37.9	6.5	2	24.9
5742.4	16.4	-44.4	-38.1	6.3	2	24.7
5742.45	16.4	-44.4	-38.1	6.3	2	24.7
5742.5	16.4	-44.4	-38	6.4	2	24.8
5742.55	16.4	-44.4	-38	6.4	2	24.8
5742.6	16.4	-44.4	-38.1	6.3	2	24.7
5742.65	16.4	-44.4	-38.1	6.3	2	24.7
5742.7	16.4	-44.4	-38	6.4	2	24.8
5742.75	16.4	-44.4	-38.2	6.2	2	24.6
5742.8	16.4	-44.4	-38.1	6.3	2	24.7
5742.85	16.4	-44.4	-38.2	6.2	2	24.6
5742.9	16.4	-44.4	-38.2	6.2	2	24.6
5742.95	16.4	-44.4	-38.4	6	2	24.4
5743	16.4	-44.4	-38.3	6.1	2	24.5
5743.05	16.4	-44.4	-38.4	6	2	24.4
5743.1	16.4	-44.4	-38.4	6	2	24.4
5743.15	16.4	-44.4	-38.3	6.1	2	24.5
5743.2	16.4	-44.4	-38.4	6	2	24.4
5743.25	16.4	-44.4	-38.4	6	2	24.4
5743.3	16.4	-44.4	-38.4	6	2	24.4
5743.35	16.4	-44.4	-38.3	6.1	2	24.5
5743.4	16.4	-44.4	-38.4	6	2	24.4
5743.45	16.4	-44.4	-38.4	6	2	24.4
5743.5	16.4	-44.4	-38.4	6	2	24.4
5743.55	16.4	-44.4	-38.5	5.9	2	24.3
5743.6	16.4	-44.4	-38.5	5.9	2	24.3
5743.65	16.4	-44.4	-38.6	5.8	2	24.2
5743.7	16.4	-44.4	-38.6	5.8	2	24.2
5743.75	16.4	-44.4	-38.5	5.9	2	24.3
5743.8	16.4	-44.4	-38.5	5.9	2	24.3
5743.85	16.4	-44.4	-38.6	5.8	2	24.2
5743.9	16.4	-44.4	-38.7	5.7	2	24.1
5743.95	16.4	-44.4	-38.9	5.5	2	23.9
5744	16.4	-44.4	-38.8	5.6	2	24
5744.05	16.4	-44.4	-38.4	6	2	24.4
5744.1	16.4	-44.4	-38.3	6.1	2	24.5
5744.15	16.4	-44.4	-38.4	6	2	24.4
5744.2	16.4	-44.4	-38.3	6.1	2	24.5
5744.25	16.4	-44.4	-38.4	6	2	24.4
5744.3	16.4	-44.4	-38.4	6	2	24.4
5744.35	16.4	-44.4	-38.3	6.1	2	24.5
5744.4	16.4	-44.4	-38.5	5.9	2	24.3
5744.45	16.4	-44.4	-38.4	6	2	24.4
5744.5	16.4	-44.4	-38.5	5.9	2	24.3
5744.55	16.4	-44.4	-38.5	5.9	2	24.3
5744.6	16.4	-44.4	-38.5	5.9	2	24.3
5744.65	16.4	-44.4	-38.4	6	2	24.4
5744.7	16.4	-44.4	-38.4	6	2	24.4
5744.75	16.4	-44.4	-38.5	5.9	2	24.3
5744.8	16.4	-44.4	-38.5	5.9	2	24.3
5744.85	16.4	-44.4	-38.4	6	2	24.4
5744.9	16.4	-44.4	-38.5	5.9	2	24.3
5744.95	16.4	-44.4	-38.5	5.9	2	24.3
5745	16.4	-44.4	-38.7	5.7	2	24.1
5745.05	16.4	-44.4	-38.7	5.7	2	24.1

5745.1	16.4	-44.4	-38.6	5.8	2	24.2
5745.15	16.4	-44.4	-38.8	5.6	2	24
5745.2	16.4	-44.4	-38.8	5.6	2	24
5745.25	16.4	-44.4	-39	5.4	2	23.8
5745.3	16.4	-44.4	-39.5	4.9	2	23.3
5745.35	16.4	-44.4	-39.5	4.9	2	23.3
5745.4	16.4	-44.4	-39.7	4.7	2	23.1
5745.45	16.4	-44.4	-39.9	4.5	2	22.9
5745.5	16.4	-44.4	-41.1	3.3	2	21.7
5745.55	16.4	-44.4	-41.4	3	2	21.4
5745.6	16.4	-44.4	-41.5	2.9	2	21.3
5745.65	16.4	-44.4	-41.7	2.7	2	21.1
5745.7	16.4	-44.4	-41.8	2.6	2	21
5745.75	16.4	-44.4	-41.8	2.6	2	21
5745.8	16.4	-44.4	-42	2.4	2	20.8
5745.85	16.4	-44.4	-42.1	2.3	2	20.7
5745.9	16.4	-44.4	-42.2	2.2	2	20.6
5745.95	16.4	-44.4	-42.1	2.3	2	20.7
5746	16.4	-44.4	-42.3	2.1	2	20.5
5746.05	16.4	-44.4	-42.3	2.1	2	20.5
5746.1	16.4	-44.4	-42.2	2.2	2	20.6
5746.15	16.4	-44.4	-42.6	1.8	2	20.2
5746.2	16.4	-44.4	-42.7	1.7	2	20.1
5746.25	16.4	-44.4	-42.7	1.7	2	20.1
5746.3	16.4	-44.4	-42.8	1.6	2	20
5746.35	16.4	-44.4	-42.8	1.6	2	20
5746.4	16.4	-44.4	-43	1.4	2	19.8
5746.45	16.4	-44.4	-43	1.4	2	19.8
5746.5	16.4	-44.4	-43.2	1.2	2	19.6
5746.55	16.4	-44.4	-43.2	1.2	2	19.6
5746.6	16.4	-44.4	-43.2	1.2	2	19.6
5746.65	16.4	-44.4	-43.2	1.2	2	19.6
5746.7	16.4	-44.4	-43.2	1.2	2	19.6
5746.75	16.4	-44.4	-43.2	1.2	2	19.6
5746.8	16.4	-44.4	-43.2	1.2	2	19.6
5746.85	16.4	-44.4	-43.3	1.1	2	19.5
5746.9	16.4	-44.4	-43.4	1	2	19.4
5746.95	16.4	-44.4	-43.5	0.9	2	19.3
5747	16.4	-44.4	-43.5	0.9	2	19.3
5747.05	16.4	-44.4	-43.6	0.8	2	19.2
5747.1	16.4	-44.4	-43.6	0.8	2	19.2
5747.15	16.4	-44.4	-43.6	0.8	2	19.2
5747.2	16.4	-44.4	-43.6	0.8	2	19.2
5747.25	16.4	-44.4	-43.7	0.7	2	19.1
5747.3	16.4	-44.4	-43.7	0.7	2	19.1
5747.35	16.4	-44.4	-43.8	0.6	2	19
5747.4	16.4	-44.4	-43.9	0.5	2	18.9
5747.45	16.4	-44.4	-43.9	0.5	2	18.9
5747.5	16.4	-44.4	-44	0.4	2	18.8

Channel 6

Minimum process gain: 17.9

Frequency [MHz]	(S/N) [dB]	Reference Signal [dBm]	Jammer [dBm]	J/S [dB]	System Losses [dB]	Process Gain [dB]
5758	16.4	-43.2	-43.7	-0.5	2	17.9
5758.05	16.4	-43.2	-43.7	-0.5	2	17.9
5758.1	16.4	-43.2	-43.7	-0.5	2	17.9
5758.15	16.4	-43.2	-43.5	-0.3	2	18.1
5758.2	16.4	-43.2	-43.5	-0.3	2	18.1
5758.25	16.4	-43.2	-43.4	-0.2	2	18.2
5758.3	16.4	-43.2	-43.3	-0.1	2	18.3
5758.35	16.4	-43.2	-43.3	-0.1	2	18.3
5758.4	16.4	-43.2	-43.3	-0.1	2	18.3
5758.45	16.4	-43.2	-43.1	0.1	2	18.5
5758.5	16.4	-43.2	-43.2	0	2	18.4
5758.55	16.4	-43.2	-43.1	0.1	2	18.5
5758.6	16.4	-43.2	-43.1	0.1	2	18.5
5758.65	16.4	-43.2	-43	0.2	2	18.6
5758.7	16.4	-43.2	-42.8	0.4	2	18.8
5758.75	16.4	-43.2	-42.5	0.7	2	19.1
5758.8	16.4	-43.2	-42.5	0.7	2	19.1
5758.85	16.4	-43.2	-42.4	0.8	2	19.2
5758.9	16.4	-43.2	-42.4	0.8	2	19.2
5758.95	16.4	-43.2	-42.2	1	2	19.4
5759	16.4	-43.2	-42.2	1	2	19.4
5759.05	16.4	-43.2	-42.1	1.1	2	19.5
5759.1	16.4	-43.2	-42.1	1.1	2	19.5
5759.15	16.4	-43.2	-42.1	1.1	2	19.5
5759.2	16.4	-43.2	-39.9	3.3	2	21.7
5759.25	16.4	-43.2	-39.9	3.3	2	21.7
5759.3	16.4	-43.2	-39.8	3.4	2	21.8
5759.35	16.4	-43.2	-39.7	3.5	2	21.9
5759.4	16.4	-43.2	-39.7	3.5	2	21.9
5759.45	16.4	-43.2	-39.7	3.5	2	21.9
5759.5	16.4	-43.2	-39.6	3.6	2	22
5759.55	16.4	-43.2	-39.6	3.6	2	22
5759.6	16.4	-43.2	-39.5	3.7	2	22.1
5759.65	16.4	-43.2	-39.5	3.7	2	22.1
5759.7	16.4	-43.2	-39.5	3.7	2	22.1
5759.75	16.4	-43.2	-39.4	3.8	2	22.2
5759.8	16.4	-43.2	-39.4	3.8	2	22.2
5759.85	16.4	-43.2	-39.3	3.9	2	22.3
5759.9	16.4	-43.2	-39.3	3.9	2	22.3
5759.95	16.4	-43.2	-39.3	3.9	2	22.3
5760	16.4	-43.2	-39.2	4	2	22.4
5760.05	16.4	-43.2	-39.1	4.1	2	22.5
5760.1	16.4	-43.2	-39.1	4.1	2	22.5
5760.15	16.4	-43.2	-39.1	4.1	2	22.5

5760.2	16.4	-43.2	-39.1	4.1	2	22.5
5760.25	16.4	-43.2	-39.1	4.1	2	22.5
5760.3	16.4	-43.2	-39	4.2	2	22.6
5760.35	16.4	-43.2	-39	4.2	2	22.6
5760.4	16.4	-43.2	-39	4.2	2	22.6
5760.45	16.4	-43.2	-38.9	4.3	2	22.7
5760.5	16.4	-43.2	-38.9	4.3	2	22.7
5760.55	16.4	-43.2	-38.7	4.5	2	22.9
5760.6	16.4	-43.2	-38.7	4.5	2	22.9
5760.65	16.4	-43.2	-38.7	4.5	2	22.9
5760.7	16.4	-43.2	-38.6	4.6	2	23
5760.75	16.4	-43.2	-38.6	4.6	2	23
5760.8	16.4	-43.2	-38.5	4.7	2	23.1
5760.85	16.4	-43.2	-38.5	4.7	2	23.1
5760.9	16.4	-43.2	-38.3	4.9	2	23.3
5760.95	16.4	-43.2	-38.3	4.9	2	23.3
5761	16.4	-43.2	-38.3	4.9	2	23.3
5761.05	16.4	-43.2	-38.2	5	2	23.4
5761.1	16.4	-43.2	-38.2	5	2	23.4
5761.15	16.4	-43.2	-38.2	5	2	23.4
5761.2	16.4	-43.2	-38.2	5	2	23.4
5761.25	16.4	-43.2	-38.1	5.1	2	23.5
5761.3	16.4	-43.2	-38.1	5.1	2	23.5
5761.35	16.4	-43.2	-38	5.2	2	23.6
5761.4	16.4	-43.2	-38	5.2	2	23.6
5761.45	16.4	-43.2	-37.8	5.4	2	23.8
5761.5	16.4	-43.2	-37.8	5.4	2	23.8
5761.55	16.4	-43.2	-37.8	5.4	2	23.8
5761.6	16.4	-43.2	-37.8	5.4	2	23.8
5761.65	16.4	-43.2	-37.8	5.4	2	23.8
5761.7	16.4	-43.2	-37.8	5.4	2	23.8
5761.75	16.4	-43.2	-37.8	5.4	2	23.8
5761.8	16.4	-43.2	-37.8	5.4	2	23.8
5761.85	16.4	-43.2	-37.7	5.5	2	23.9
5761.9	16.4	-43.2	-37.7	5.5	2	23.9
5761.95	16.4	-43.2	-37.7	5.5	2	23.9
5762	16.4	-43.2	-37.7	5.5	2	23.9
5762.05	16.4	-43.2	-37.7	5.5	2	23.9
5762.1	16.4	-43.2	-37.7	5.5	2	23.9
5762.15	16.4	-43.2	-37.6	5.6	2	24
5762.2	16.4	-43.2	-37.6	5.6	2	24
5762.25	16.4	-43.2	-37.6	5.6	2	24
5762.3	16.4	-43.2	-37.6	5.6	2	24
5762.35	16.4	-43.2	-37.6	5.6	2	24
5762.4	16.4	-43.2	-37.6	5.6	2	24
5762.45	16.4	-43.2	-37.6	5.6	2	24
5762.5	16.4	-43.2	-37.6	5.6	2	24
5762.55	16.4	-43.2	-37.5	5.7	2	24.1
5762.6	16.4	-43.2	-37.5	5.7	2	24.1
5762.65	16.4	-43.2	-37.5	5.7	2	24.1
5762.7	16.4	-43.2	-37.5	5.7	2	24.1
5762.75	16.4	-43.2	-37.4	5.8	2	24.2

5762.8	16.4	-43.2	-37.4	5.8	2	24.2
5762.85	16.4	-43.2	-37.4	5.8	2	24.2
5762.9	16.4	-43.2	-37.3	5.9	2	24.3
5762.95	16.4	-43.2	-37.3	5.9	2	24.3
5763	16.4	-43.2	-37.3	5.9	2	24.3
5763.05	16.4	-43.2	-37.3	5.9	2	24.3
5763.1	16.4	-43.2	-37.2	6	2	24.4
5763.15	16.4	-43.2	-37.2	6	2	24.4
5763.2	16.4	-43.2	-37.2	6	2	24.4
5763.25	16.4	-43.2	-37.1	6.1	2	24.5
5763.3	16.4	-43.2	-37.1	6.1	2	24.5
5763.35	16.4	-43.2	-37	6.2	2	24.6
5763.4	16.4	-43.2	-37	6.2	2	24.6
5763.45	16.4	-43.2	-36.9	6.3	2	24.7
5763.5	16.4	-43.2	-36.9	6.3	2	24.7
5763.55	16.4	-43.2	-36.9	6.3	2	24.7
5763.6	16.4	-43.2	-36.8	6.4	2	24.8
5763.65	16.4	-43.2	-36.8	6.4	2	24.8
5763.7	16.4	-43.2	-36.8	6.4	2	24.8
5763.75	16.4	-43.2	-36.8	6.4	2	24.8
5763.8	16.4	-43.2	-36.7	6.5	2	24.9
5763.85	16.4	-43.2	-36.7	6.5	2	24.9
5763.9	16.4	-43.2	-36.6	6.6	2	25
5763.95	16.4	-43.2	-36.6	6.6	2	25
5764	16.4	-43.2	-36.5	6.7	2	25.1
5764.05	16.4	-43.2	-36.4	6.8	2	25.2
5764.1	16.4	-43.2	-36.4	6.8	2	25.2
5764.15	16.4	-43.2	-36.4	6.8	2	25.2
5764.2	16.4	-43.2	-36.3	6.9	2	25.3
5764.25	16.4	-43.2	-36.3	6.9	2	25.3
5764.3	16.4	-43.2	-36.3	6.9	2	25.3
5764.35	16.4	-43.2	-36.3	6.9	2	25.3
5764.4	16.4	-43.2	-36.2	7	2	25.4
5764.45	16.4	-43.2	-36.2	7	2	25.4
5764.5	16.4	-43.2	-36.2	7	2	25.4
5764.55	16.4	-43.2	-36.1	7.1	2	25.5
5764.6	16.4	-43.2	-36.1	7.1	2	25.5
5764.65	16.4	-43.2	-36.1	7.1	2	25.5
5764.7	16.4	-43.2	-36.1	7.1	2	25.5
5764.75	16.4	-43.2	-36.1	7.1	2	25.5
5764.8	16.4	-43.2	-36.1	7.1	2	25.5
5764.85	16.4	-43.2	-36.1	7.1	2	25.5
5764.9	16.4	-43.2	-36.1	7.1	2	25.5
5764.95	16.4	-43.2	-36	7.2	2	25.6
5765	16.4	-43.2	-36	7.2	2	25.6
5765.05	16.4	-43.2	-36	7.2	2	25.6
5765.1	16.4	-43.2	-36.1	7.1	2	25.5
5765.15	16.4	-43.2	-36.1	7.1	2	25.5
5765.2	16.4	-43.2	-36.1	7.1	2	25.5
5765.25	16.4	-43.2	-36.2	7	2	25.4
5765.3	16.4	-43.2	-36.2	7	2	25.4
5765.35	16.4	-43.2	-36.2	7	2	25.4

5765.4	16.4	-43.2	-36.2	7	2	25.4
5765.45	16.4	-43.2	-36.3	6.9	2	25.3
5765.5	16.4	-43.2	-36.3	6.9	2	25.3
5765.55	16.4	-43.2	-36.3	6.9	2	25.3
5765.6	16.4	-43.2	-36.4	6.8	2	25.2
5765.65	16.4	-43.2	-36.4	6.8	2	25.2
5765.7	16.4	-43.2	-36.5	6.7	2	25.1
5765.75	16.4	-43.2	-36.5	6.7	2	25.1
5765.8	16.4	-43.2	-36.5	6.7	2	25.1
5765.85	16.4	-43.2	-36.5	6.7	2	25.1
5765.9	16.4	-43.2	-36.6	6.6	2	25
5765.95	16.4	-43.2	-36.6	6.6	2	25
5766	16.4	-43.2	-36.5	6.7	2	25.1
5766.05	16.4	-43.2	-36.6	6.6	2	25
5766.1	16.4	-43.2	-36.7	6.5	2	24.9
5766.15	16.4	-43.2	-36.7	6.5	2	24.9
5766.2	16.4	-43.2	-36.7	6.5	2	24.9
5766.25	16.4	-43.2	-36.8	6.4	2	24.8
5766.3	16.4	-43.2	-36.7	6.5	2	24.9
5766.35	16.4	-43.2	-36.8	6.4	2	24.8
5766.4	16.4	-43.2	-36.8	6.4	2	24.8
5766.45	16.4	-43.2	-36.8	6.4	2	24.8
5766.5	16.4	-43.2	-36.9	6.3	2	24.7
5766.55	16.4	-43.2	-36.9	6.3	2	24.7
5766.6	16.4	-43.2	-36.8	6.4	2	24.8
5766.65	16.4	-43.2	-36.9	6.3	2	24.7
5766.7	16.4	-43.2	-36.9	6.3	2	24.7
5766.75	16.4	-43.2	-37	6.2	2	24.6
5766.8	16.4	-43.2	-37	6.2	2	24.6
5766.85	16.4	-43.2	-37.1	6.1	2	24.5
5766.9	16.4	-43.2	-37.1	6.1	2	24.5
5766.95	16.4	-43.2	-37.1	6.1	2	24.5
5767	16.4	-43.2	-37.2	6	2	24.4
5767.05	16.4	-43.2	-37.2	6	2	24.4
5767.1	16.4	-43.2	-37.2	6	2	24.4
5767.15	16.4	-43.2	-37.3	5.9	2	24.3
5767.2	16.4	-43.2	-37.3	5.9	2	24.3
5767.25	16.4	-43.2	-37.3	5.9	2	24.3
5767.3	16.4	-43.2	-37.4	5.8	2	24.2
5767.35	16.4	-43.2	-37.5	5.7	2	24.1
5767.4	16.4	-43.2	-37.5	5.7	2	24.1
5767.45	16.4	-43.2	-37.6	5.6	2	24
5767.5	16.4	-43.2	-37.6	5.6	2	24
5767.55	16.4	-43.2	-37.7	5.5	2	23.9
5767.6	16.4	-43.2	-37.7	5.5	2	23.9
5767.65	16.4	-43.2	-37.7	5.5	2	23.9
5767.7	16.4	-43.2	-37.8	5.4	2	23.8
5767.75	16.4	-43.2	-37.8	5.4	2	23.8
5767.8	16.4	-43.2	-37.8	5.4	2	23.8
5767.85	16.4	-43.2	-37.9	5.3	2	23.7
5767.9	16.4	-43.2	-37.8	5.4	2	23.8
5767.95	16.4	-43.2	-37.9	5.3	2	23.7

5768	16.4	-43.2	-37.9	5.3	2	23.7
5768.05	16.4	-43.2	-38	5.2	2	23.6
5768.1	16.4	-43.2	-38	5.2	2	23.6
5768.15	16.4	-43.2	-38	5.2	2	23.6
5768.2	16.4	-43.2	-38.1	5.1	2	23.5
5768.25	16.4	-43.2	-38	5.2	2	23.6
5768.3	16.4	-43.2	-38.1	5.1	2	23.5
5768.35	16.4	-43.2	-38.1	5.1	2	23.5
5768.4	16.4	-43.2	-38.2	5	2	23.4
5768.45	16.4	-43.2	-38.2	5	2	23.4
5768.5	16.4	-43.2	-38.2	5	2	23.4
5768.55	16.4	-43.2	-38.2	5	2	23.4
5768.6	16.4	-43.2	-38.3	4.9	2	23.3
5768.65	16.4	-43.2	-38.3	4.9	2	23.3
5768.7	16.4	-43.2	-38.3	4.9	2	23.3
5768.75	16.4	-43.2	-38.4	4.8	2	23.2
5768.8	16.4	-43.2	-38.4	4.8	2	23.2
5768.85	16.4	-43.2	-38.4	4.8	2	23.2
5768.9	16.4	-43.2	-38.5	4.7	2	23.1
5768.95	16.4	-43.2	-38.5	4.7	2	23.1
5769	16.4	-43.2	-38.5	4.7	2	23.1
5769.05	16.4	-43.2	-38.6	4.6	2	23
5769.1	16.4	-43.2	-38.6	4.6	2	23
5769.15	16.4	-43.2	-38.6	4.6	2	23
5769.2	16.4	-43.2	-38.6	4.6	2	23
5769.25	16.4	-43.2	-38.7	4.5	2	22.9
5769.3	16.4	-43.2	-38.7	4.5	2	22.9
5769.35	16.4	-43.2	-38.7	4.5	2	22.9
5769.4	16.4	-43.2	-38.8	4.4	2	22.8
5769.45	16.4	-43.2	-38.8	4.4	2	22.8
5769.5	16.4	-43.2	-38.8	4.4	2	22.8
5769.55	16.4	-43.2	-38.8	4.4	2	22.8
5769.6	16.4	-43.2	-38.9	4.3	2	22.7
5769.65	16.4	-43.2	-38.9	4.3	2	22.7
5769.7	16.4	-43.2	-38.8	4.4	2	22.8
5769.75	16.4	-43.2	-39	4.2	2	22.6
5769.8	16.4	-43.2	-39	4.2	2	22.6
5769.85	16.4	-43.2	-39	4.2	2	22.6
5769.9	16.4	-43.2	-39.1	4.1	2	22.5
5769.95	16.4	-43.2	-39	4.2	2	22.6
5770	16.4	-43.2	-39.1	4.1	2	22.5
5770.05	16.4	-43.2	-39.1	4.1	2	22.5
5770.1	16.4	-43.2	-39.2	4	2	22.4
5770.15	16.4	-43.2	-39.2	4	2	22.4
5770.2	16.4	-43.2	-39.3	3.9	2	22.3
5770.25	16.4	-43.2	-39.3	3.9	2	22.3
5770.3	16.4	-43.2	-39.3	3.9	2	22.3
5770.35	16.4	-43.2	-39.4	3.8	2	22.2
5770.4	16.4	-43.2	-39.4	3.8	2	22.2
5770.45	16.4	-43.2	-39.4	3.8	2	22.2
5770.5	16.4	-43.2	-39.5	3.7	2	22.1
5770.55	16.4	-43.2	-39.5	3.7	2	22.1

5770.6	16.4	-43.2	-39.5	3.7	2	22.1
5770.65	16.4	-43.2	-39.6	3.6	2	22
5770.7	16.4	-43.2	-39.7	3.5	2	21.9
5770.75	16.4	-43.2	-39.7	3.5	2	21.9
5770.8	16.4	-43.2	-39.7	3.5	2	21.9
5770.85	16.4	-43.2	-39.7	3.5	2	21.9
5770.9	16.4	-43.2	-39.8	3.4	2	21.8
5770.95	16.4	-43.2	-39.8	3.4	2	21.8
5771	16.4	-43.2	-39.8	3.4	2	21.8
5771.05	16.4	-43.2	-39.9	3.3	2	21.7
5771.1	16.4	-43.2	-39.9	3.3	2	21.7
5771.15	16.4	-43.2	-39.9	3.3	2	21.7
5771.2	16.4	-43.2	-39.9	3.3	2	21.7
5771.25	16.4	-43.2	-40	3.2	2	21.6
5771.3	16.4	-43.2	-40	3.2	2	21.6
5771.35	16.4	-43.2	-40	3.2	2	21.6
5771.4	16.4	-43.2	-40	3.2	2	21.6
5771.45	16.4	-43.2	-40	3.2	2	21.6
5771.5	16.4	-43.2	-40.1	3.1	2	21.5
5771.55	16.4	-43.2	-40.1	3.1	2	21.5
5771.6	16.4	-43.2	-40.3	2.9	2	21.3
5771.65	16.4	-43.2	-40.3	2.9	2	21.3
5771.7	16.4	-43.2	-40.3	2.9	2	21.3
5771.75	16.4	-43.2	-40.4	2.8	2	21.2
5771.8	16.4	-43.2	-40.4	2.8	2	21.2
5771.85	16.4	-43.2	-40.5	2.7	2	21.1
5771.9	16.4	-43.2	-40.5	2.7	2	21.1
5771.95	16.4	-43.2	-40.6	2.6	2	21
5772	16.4	-43.2	-40.7	2.5	2	20.9
5772.05	16.4	-43.2	-40.7	2.5	2	20.9
5772.1	16.4	-43.2	-40.9	2.3	2	20.7
5772.15	16.4	-43.2	-40.9	2.3	2	20.7
5772.2	16.4	-43.2	-41	2.2	2	20.6
5772.25	16.4	-43.2	-41	2.2	2	20.6
5772.3	16.4	-43.2	-41.2	2	2	20.4
5772.35	16.4	-43.2	-41.2	2	2	20.4
5772.4	16.4	-43.2	-41.2	2	2	20.4
5772.45	16.4	-43.2	-41.3	1.9	2	20.3
5772.5	16.4	-43.2	-41.3	1.9	2	20.3

Channel 11

Minimum process gain: 16.9

Frequency [MHz]	(S/N) [dB]	Reference Signal [dBm]	Jammer [dBm]	J/S [dB]	System Losses [dB]	Process Gain [dB]
5782	16.4	-44.1	-45.6	-1.5	2	16.9
5782.05	16.4	-44.1	-45.4	-1.3	2	17.1
5782.1	16.4	-44.1	-45.5	-1.4	2	17
5782.15	16.4	-44.1	-45.4	-1.3	2	17.1
5782.2	16.4	-44.1	-45.4	-1.3	2	17.1
5782.25	16.4	-44.1	-45.4	-1.3	2	17.1
5782.3	16.4	-44.1	-45.2	-1.1	2	17.3
5782.35	16.4	-44.1	-45.3	-1.2	2	17.2
5782.4	16.4	-44.1	-45.2	-1.1	2	17.3
5782.45	16.4	-44.1	-45.3	-1.2	2	17.2
5782.5	16.4	-44.1	-45.3	-1.2	2	17.2
5782.55	16.4	-44.1	-45.2	-1.1	2	17.3
5782.6	16.4	-44.1	-45.2	-1.1	2	17.3
5782.65	16.4	-44.1	-45.2	-1.1	2	17.3
5782.7	16.4	-44.1	-45	-0.9	2	17.5
5782.75	16.4	-44.1	-45	-0.9	2	17.5
5782.8	16.4	-44.1	-45	-0.9	2	17.5
5782.85	16.4	-44.1	-45.1	-1	2	17.4
5782.9	16.4	-44.1	-45	-0.9	2	17.5
5782.95	16.4	-44.1	-45.1	-1	2	17.4
5783	16.4	-44.1	-45	-0.9	2	17.5
5783.05	16.4	-44.1	-45	-0.9	2	17.5
5783.1	16.4	-44.1	-45	-0.9	2	17.5
5783.15	16.4	-44.1	-45	-0.9	2	17.5
5783.2	16.4	-44.1	-44.8	-0.7	2	17.7
5783.25	16.4	-44.1	-44.8	-0.7	2	17.7
5783.3	16.4	-44.1	-44.8	-0.7	2	17.7
5783.35	16.4	-44.1	-44.5	-0.4	2	18
5783.4	16.4	-44.1	-44.5	-0.4	2	18
5783.45	16.4	-44.1	-44.5	-0.4	2	18
5783.5	16.4	-44.1	-44.4	-0.3	2	18.1
5783.55	16.4	-44.1	-44.4	-0.3	2	18.1
5783.6	16.4	-44.1	-44.4	-0.3	2	18.1
5783.65	16.4	-44.1	-44.4	-0.3	2	18.1
5783.7	16.4	-44.1	-44.2	-0.1	2	18.3
5783.75	16.4	-44.1	-44	0.1	2	18.5
5783.8	16.4	-44.1	-44	0.1	2	18.5
5783.85	16.4	-44.1	-43.7	0.4	2	18.8
5783.9	16.4	-44.1	-43.7	0.4	2	18.8
5783.95	16.4	-44.1	-43.3	0.8	2	19.2
5784	16.4	-44.1	-43.1	1	2	19.4
5784.05	16.4	-44.1	-43.1	1	2	19.4
5784.1	16.4	-44.1	-43.1	1	2	19.4
5784.15	16.4	-44.1	-43	1.1	2	19.5

5784.2	16.4	-44.1	-43	1.1	2	19.5
5784.25	16.4	-44.1	-42.8	1.3	2	19.7
5784.3	16.4	-44.1	-42.8	1.3	2	19.7
5784.35	16.4	-44.1	-42.7	1.4	2	19.8
5784.4	16.4	-44.1	-42.8	1.3	2	19.7
5784.45	16.4	-44.1	-42.6	1.5	2	19.9
5784.5	16.4	-44.1	-42.5	1.6	2	20
5784.55	16.4	-44.1	-42.6	1.5	2	19.9
5784.6	16.4	-44.1	-42.5	1.6	2	20
5784.65	16.4	-44.1	-42.3	1.8	2	20.2
5784.7	16.4	-44.1	-42.3	1.8	2	20.2
5784.75	16.4	-44.1	-42.3	1.8	2	20.2
5784.8	16.4	-44.1	-42.2	1.9	2	20.3
5784.85	16.4	-44.1	-42.2	1.9	2	20.3
5784.9	16.4	-44.1	-42.2	1.9	2	20.3
5784.95	16.4	-44.1	-42	2.1	2	20.5
5785	16.4	-44.1	-42.1	2	2	20.4
5785.05	16.4	-44.1	-42	2.1	2	20.5
5785.1	16.4	-44.1	-41.9	2.2	2	20.6
5785.15	16.4	-44.1	-41.9	2.2	2	20.6
5785.2	16.4	-44.1	-41.7	2.4	2	20.8
5785.25	16.4	-44.1	-41.8	2.3	2	20.7
5785.3	16.4	-44.1	-41.6	2.5	2	20.9
5785.35	16.4	-44.1	-41.6	2.5	2	20.9
5785.4	16.4	-44.1	-41.5	2.6	2	21
5785.45	16.4	-44.1	-41.5	2.6	2	21
5785.5	16.4	-44.1	-41.5	2.6	2	21
5785.55	16.4	-44.1	-41.3	2.8	2	21.2
5785.6	16.4	-44.1	-41.4	2.7	2	21.1
5785.65	16.4	-44.1	-41.3	2.8	2	21.2
5785.7	16.4	-44.1	-41.2	2.9	2	21.3
5785.75	16.4	-44.1	-41.2	2.9	2	21.3
5785.8	16.4	-44.1	-41.2	2.9	2	21.3
5785.85	16.4	-44.1	-41.1	3	2	21.4
5785.9	16.4	-44.1	-41.1	3	2	21.4
5785.95	16.4	-44.1	-41.1	3	2	21.4
5786	16.4	-44.1	-41.2	2.9	2	21.3
5786.05	16.4	-44.1	-41.1	3	2	21.4
5786.1	16.4	-44.1	-41	3.1	2	21.5
5786.15	16.4	-44.1	-40.9	3.2	2	21.6
5786.2	16.4	-44.1	-40.9	3.2	2	21.6
5786.25	16.4	-44.1	-40.9	3.2	2	21.6
5786.3	16.4	-44.1	-40.7	3.4	2	21.8
5786.35	16.4	-44.1	-40.7	3.4	2	21.8
5786.4	16.4	-44.1	-40.4	3.7	2	22.1
5786.45	16.4	-44.1	-40.4	3.7	2	22.1
5786.5	16.4	-44.1	-40.3	3.8	2	22.2
5786.55	16.4	-44.1	-40.2	3.9	2	22.3
5786.6	16.4	-44.1	-40.3	3.8	2	22.2
5786.65	16.4	-44.1	-40.2	3.9	2	22.3
5786.7	16.4	-44.1	-40.2	3.9	2	22.3
5786.75	16.4	-44.1	-40.1	4	2	22.4

5786.8	16.4	-44.1	-40.1	4	2	22.4
5786.85	16.4	-44.1	-40	4.1	2	22.5
5786.9	16.4	-44.1	-39.9	4.2	2	22.6
5786.95	16.4	-44.1	-39.9	4.2	2	22.6
5787	16.4	-44.1	-38.7	5.4	2	23.8
5787.05	16.4	-44.1	-38.8	5.3	2	23.7
5787.1	16.4	-44.1	-38.7	5.4	2	23.8
5787.15	16.4	-44.1	-38.7	5.4	2	23.8
5787.2	16.4	-44.1	-38.8	5.3	2	23.7
5787.25	16.4	-44.1	-38.7	5.4	2	23.8
5787.3	16.4	-44.1	-38.6	5.5	2	23.9
5787.35	16.4	-44.1	-38.6	5.5	2	23.9
5787.4	16.4	-44.1	-38.6	5.5	2	23.9
5787.45	16.4	-44.1	-38.6	5.5	2	23.9
5787.5	16.4	-44.1	-38.5	5.6	2	24
5787.55	16.4	-44.1	-38.5	5.6	2	24
5787.6	16.4	-44.1	-38.4	5.7	2	24.1
5787.65	16.4	-44.1	-38.5	5.6	2	24
5787.7	16.4	-44.1	-38.4	5.7	2	24.1
5787.75	16.4	-44.1	-38.4	5.7	2	24.1
5787.8	16.4	-44.1	-38.3	5.8	2	24.2
5787.85	16.4	-44.1	-38.3	5.8	2	24.2
5787.9	16.4	-44.1	-38.3	5.8	2	24.2
5787.95	16.4	-44.1	-38.3	5.8	2	24.2
5788	16.4	-44.1	-38.2	5.9	2	24.3
5788.05	16.4	-44.1	-38.4	5.7	2	24.1
5788.1	16.4	-44.1	-38.4	5.7	2	24.1
5788.15	16.4	-44.1	-38.4	5.7	2	24.1
5788.2	16.4	-44.1	-38.5	5.6	2	24
5788.25	16.4	-44.1	-38.5	5.6	2	24
5788.3	16.4	-44.1	-38.5	5.6	2	24
5788.35	16.4	-44.1	-38.4	5.7	2	24.1
5788.4	16.4	-44.1	-38.4	5.7	2	24.1
5788.45	16.4	-44.1	-38.4	5.7	2	24.1
5788.5	16.4	-44.1	-38.4	5.7	2	24.1
5788.55	16.4	-44.1	-38.3	5.8	2	24.2
5788.6	16.4	-44.1	-38.3	5.8	2	24.2
5788.65	16.4	-44.1	-38.3	5.8	2	24.2
5788.7	16.4	-44.1	-38.2	5.9	2	24.3
5788.75	16.4	-44.1	-38.3	5.8	2	24.2
5788.8	16.4	-44.1	-38.2	5.9	2	24.3
5788.85	16.4	-44.1	-38.2	5.9	2	24.3
5788.9	16.4	-44.1	-38.2	5.9	2	24.3
5788.95	16.4	-44.1	-38.2	5.9	2	24.3
5789	16.4	-44.1	-38.1	6	2	24.4
5789.05	16.4	-44.1	-38.1	6	2	24.4
5789.1	16.4	-44.1	-38.1	6	2	24.4
5789.15	16.4	-44.1	-38.3	5.8	2	24.2
5789.2	16.4	-44.1	-38.3	5.8	2	24.2
5789.25	16.4	-44.1	-38.3	5.8	2	24.2
5789.3	16.4	-44.1	-38.2	5.9	2	24.3
5789.35	16.4	-44.1	-38.3	5.8	2	24.2

5789.4	16.4	-44.1	-38.2	5.9	2	24.3
5789.45	16.4	-44.1	-38.1	6	2	24.4
5789.5	16.4	-44.1	-38.1	6	2	24.4
5789.55	16.4	-44.1	-38.1	6	2	24.4
5789.6	16.4	-44.1	-38.2	5.9	2	24.3
5789.65	16.4	-44.1	-38.2	5.9	2	24.3
5789.7	16.4	-44.1	-38.1	6	2	24.4
5789.75	16.4	-44.1	-38	6.1	2	24.5
5789.8	16.4	-44.1	-38.1	6	2	24.4
5789.85	16.4	-44.1	-38	6.1	2	24.5
5789.9	16.4	-44.1	-38.1	6	2	24.4
5789.95	16.4	-44.1	-38.1	6	2	24.4
5790	16.4	-44.1	-38	6.1	2	24.5
5790.05	16.4	-44.1	-38	6.1	2	24.5
5790.1	16.4	-44.1	-38	6.1	2	24.5
5790.15	16.4	-44.1	-38.1	6	2	24.4
5790.2	16.4	-44.1	-38.1	6	2	24.4
5790.25	16.4	-44.1	-38.1	6	2	24.4
5790.3	16.4	-44.1	-38.2	5.9	2	24.3
5790.35	16.4	-44.1	-38.1	6	2	24.4
5790.4	16.4	-44.1	-38.1	6	2	24.4
5790.45	16.4	-44.1	-38.2	5.9	2	24.3
5790.5	16.4	-44.1	-38.2	5.9	2	24.3
5790.55	16.4	-44.1	-38.2	5.9	2	24.3
5790.6	16.4	-44.1	-38.3	5.8	2	24.2
5790.65	16.4	-44.1	-38.2	5.9	2	24.3
5790.7	16.4	-44.1	-38.2	5.9	2	24.3
5790.75	16.4	-44.1	-38.2	5.9	2	24.3
5790.8	16.4	-44.1	-38.3	5.8	2	24.2
5790.85	16.4	-44.1	-38.3	5.8	2	24.2
5790.9	16.4	-44.1	-38.3	5.8	2	24.2
5790.95	16.4	-44.1	-38.3	5.8	2	24.2
5791	16.4	-44.1	-38.4	5.7	2	24.1
5791.05	16.4	-44.1	-38.3	5.8	2	24.2
5791.1	16.4	-44.1	-38.3	5.8	2	24.2
5791.15	16.4	-44.1	-38.3	5.8	2	24.2
5791.2	16.4	-44.1	-38.2	5.9	2	24.3
5791.25	16.4	-44.1	-38.3	5.8	2	24.2
5791.3	16.4	-44.1	-38.3	5.8	2	24.2
5791.35	16.4	-44.1	-38.4	5.7	2	24.1
5791.4	16.4	-44.1	-38.4	5.7	2	24.1
5791.45	16.4	-44.1	-38.4	5.7	2	24.1
5791.5	16.4	-44.1	-38.5	5.6	2	24
5791.55	16.4	-44.1	-38.4	5.7	2	24.1
5791.6	16.4	-44.1	-38.5	5.6	2	24
5791.65	16.4	-44.1	-38.5	5.6	2	24
5791.7	16.4	-44.1	-38.5	5.6	2	24
5791.75	16.4	-44.1	-38.5	5.6	2	24
5791.8	16.4	-44.1	-38.3	5.8	2	24.2
5791.85	16.4	-44.1	-38.3	5.8	2	24.2
5791.9	16.4	-44.1	-38.3	5.8	2	24.2
5791.95	16.4	-44.1	-38.3	5.8	2	24.2

5792	16.4	-44.1	-38.1	6	2	24.4
5792.05	16.4	-44.1	-38.1	6	2	24.4
5792.1	16.4	-44.1	-38.1	6	2	24.4
5792.15	16.4	-44.1	-38.4	5.7	2	24.1
5792.2	16.4	-44.1	-38.4	5.7	2	24.1
5792.25	16.4	-44.1	-38.4	5.7	2	24.1
5792.3	16.4	-44.1	-38.4	5.7	2	24.1
5792.35	16.4	-44.1	-38.6	5.5	2	23.9
5792.4	16.4	-44.1	-38.6	5.5	2	23.9
5792.45	16.4	-44.1	-38.6	5.5	2	23.9
5792.5	16.4	-44.1	-38.6	5.5	2	23.9
5792.55	16.4	-44.1	-38.5	5.6	2	24
5792.6	16.4	-44.1	-38.5	5.6	2	24
5792.65	16.4	-44.1	-38.5	5.6	2	24
5792.7	16.4	-44.1	-38.6	5.5	2	23.9
5792.75	16.4	-44.1	-38.6	5.5	2	23.9
5792.8	16.4	-44.1	-38.6	5.5	2	23.9
5792.85	16.4	-44.1	-38.5	5.6	2	24
5792.9	16.4	-44.1	-38.5	5.6	2	24
5792.95	16.4	-44.1	-38.6	5.5	2	23.9
5793	16.4	-44.1	-38.6	5.5	2	23.9
5793.05	16.4	-44.1	-38.6	5.5	2	23.9
5793.1	16.4	-44.1	-38.7	5.4	2	23.8
5793.15	16.4	-44.1	-38.7	5.4	2	23.8
5793.2	16.4	-44.1	-38.7	5.4	2	23.8
5793.25	16.4	-44.1	-38.7	5.4	2	23.8
5793.3	16.4	-44.1	-38.8	5.3	2	23.7
5793.35	16.4	-44.1	-38.7	5.4	2	23.8
5793.4	16.4	-44.1	-38.8	5.3	2	23.7
5793.45	16.4	-44.1	-38.8	5.3	2	23.7
5793.5	16.4	-44.1	-38.8	5.3	2	23.7
5793.6	16.4	-44.1	-38.9	5.2	2	23.6
5793.65	16.4	-44.1	-38.9	5.2	2	23.6
5793.7	16.4	-44.1	-39	5.1	2	23.5
5793.75	16.4	-44.1	-39	5.1	2	23.5
5793.8	16.4	-44.1	-38.9	5.2	2	23.6
5793.85	16.4	-44.1	-39	5.1	2	23.5
5793.9	16.4	-44.1	-39	5.1	2	23.5
5793.95	16.4	-44.1	-39	5.1	2	23.5
5794	16.4	-44.1	-39	5.1	2	23.5
5794.05	16.4	-44.1	-39.2	4.9	2	23.3
5794.1	16.4	-44.1	-39.1	5	2	23.4
5794.15	16.4	-44.1	-39.1	5	2	23.4
5794.2	16.4	-44.1	-39.2	4.9	2	23.3
5794.25	16.4	-44.1	-39.2	4.9	2	23.3
5794.3	16.4	-44.1	-39.2	4.9	2	23.3
5794.35	16.4	-44.1	-39.3	4.8	2	23.2
5794.4	16.4	-44.1	-39.3	4.8	2	23.2
5794.45	16.4	-44.1	-39.3	4.8	2	23.2
5794.5	16.4	-44.1	-39.5	4.6	2	23
5794.55	16.4	-44.1	-39.5	4.6	2	23
5794.6	16.4	-44.1	-39.5	4.6	2	23

5794.65	16.4	-44.1	-39.5	4.6	2	23
5794.7	16.4	-44.1	-39.6	4.5	2	22.9
5794.75	16.4	-44.1	-39.6	4.5	2	22.9
5794.8	16.4	-44.1	-39.6	4.5	2	22.9
5794.85	16.4	-44.1	-39.6	4.5	2	22.9
5794.9	16.4	-44.1	-39.7	4.4	2	22.8
5794.95	16.4	-44.1	-39.7	4.4	2	22.8
5795	16.4	-44.1	-39.7	4.4	2	22.8
5795.05	16.4	-44.1	-39.8	4.3	2	22.7
5795.1	16.4	-44.1	-39.7	4.4	2	22.8
5795.15	16.4	-44.1	-39.8	4.3	2	22.7
5795.2	16.4	-44.1	-39.9	4.2	2	22.6
5795.25	16.4	-44.1	-39.9	4.2	2	22.6
5795.3	16.4	-44.1	-40	4.1	2	22.5
5795.35	16.4	-44.1	-40	4.1	2	22.5
5795.4	16.4	-44.1	-40	4.1	2	22.5
5795.45	16.4	-44.1	-40.2	3.9	2	22.3
5795.5	16.4	-44.1	-40.2	3.9	2	22.3
5795.55	16.4	-44.1	-40.2	3.9	2	22.3
5795.6	16.4	-44.1	-40.4	3.7	2	22.1
5795.65	16.4	-44.1	-40.4	3.7	2	22.1
5795.7	16.4	-44.1	-40.4	3.7	2	22.1
5795.75	16.4	-44.1	-40.5	3.6	2	22
5795.8	16.4	-44.1	-40.7	3.4	2	21.8
5795.85	16.4	-44.1	-40.7	3.4	2	21.8
5795.9	16.4	-44.1	-40.7	3.4	2	21.8
5795.95	16.4	-44.1	-40.8	3.3	2	21.7
5796	16.4	-44.1	-40.9	3.2	2	21.6
5796.05	16.4	-44.1	-40.9	3.2	2	21.6
5796.1	16.4	-44.1	-41.1	3	2	21.4
5796.15	16.4	-44.1	-41.1	3	2	21.4
5796.2	16.4	-44.1	-41.1	3	2	21.4
5796.25	16.4	-44.1	-41.4	2.7	2	21.1
5796.3	16.4	-44.1	-41.4	2.7	2	21.1
5796.35	16.4	-44.1	-41.5	2.6	2	21
5796.4	16.4	-44.1	-41.7	2.4	2	20.8
5796.45	16.4	-44.1	-41.7	2.4	2	20.8
5796.5	16.4	-44.1	-41.9	2.2	2	20.6
5796.55	16.4	-44.1	-41.9	2.2	2	20.6
5796.6	16.4	-44.1	-42	2.1	2	20.5
5796.65	16.4	-44.1	-42	2.1	2	20.5
5796.7	16.4	-44.1	-42.3	1.8	2	20.2
5796.75	16.4	-44.1	-42.1	2	2	20.4
5796.8	16.4	-44.1	-42.3	1.8	2	20.2
5796.85	16.4	-44.1	-42.5	1.6	2	20
5796.9	16.4	-44.1	-42.5	1.6	2	20
5796.95	16.4	-44.1	-42.5	1.6	2	20
5797	16.4	-44.1	-42.7	1.4	2	19.8
5797.05	16.4	-44.1	-42.8	1.3	2	19.7
5797.1	16.4	-44.1	-42.7	1.4	2	19.8
5797.15	16.4	-44.1	-42.9	1.2	2	19.6
5797.2	16.4	-44.1	-43.1	1	2	19.4

5797.25	16.4	-44.1	-43.1	1	2	19.4
5797.3	16.4	-44.1	-43.3	0.8	2	19.2
5797.35	16.4	-44.1	-43.5	0.6	2	19
5797.4	16.4	-44.1	-43.6	0.5	2	18.9
5797.45	16.4	-44.1	-43.5	0.6	2	19