

**Summary Page**

	<b>SS</b>	<b>CW</b>	<b>Idle</b>	<b>delta</b>
<b>SNR</b>	22.4784	4.666395		17.812
<b>Noise</b>	10.09107	17.62698	7.816656	-7.535902
<b>Signal</b>	32.29868	22.27005		10.02864

<b>Signal</b>	32.29868	22.27005		
<b>Noise</b>	7.816656	7.816656		
<b>SNR</b>	24.48202	14.45339		10.02864

## Data where transmit spreading is turned off.

COM	Time	Ty	PC	ID	Tx	Alarms	KO	Cr	Sg	Ns	SNR
2	09:01:26	S					0D	2D	3B	2D	0E
2	09:01:26	S					0C	2D	3A	2D	0D
2	09:01:26	S					0A	2D	38	2D	0B
2	09:01:27	S					07	2D	35	2D	08
2	09:01:27	S					0F	2D	3D	2D	10
2	09:01:27	S					0D	2D	3B	2D	0E
2	09:01:27	S					09	2D	37	2D	0A
2	09:01:27	S					0C	2D	3A	2D	0D
2	09:01:27	S					0B	2D	38	2D	0B
2	09:01:27	S					10	2D	3E	2D	11
2	09:01:27	S					5C	2D	2C	2D	00
2	09:01:28	S					08	2D	36	2D	09
2	09:01:28	S					0E	2D	3C	2D	0F
2	09:01:28	S					0C	2D	3A	2D	0D
2	09:01:28	S					07	2D	35	2D	08
2	09:01:28	S					0F	2D	3D	2D	10
2	09:01:28	S					07	2D	35	2D	08
2	09:01:28	S					0C	2D	3A	2D	0D
2	09:01:28	S					06	2D	34	2D	07
2	09:01:29	S					0E	2D	3C	2D	0F
2	09:01:29	S					02	2D	30	2D	03
2	09:01:29	S					10	2D	3E	2D	11
2	09:01:29	S					08	2D	36	2D	09
2	09:01:29	S					0B	2D	38	2D	0B
2	09:01:29	S					0C	2D	3A	2D	0D
2	09:01:29	S					0C	2D	3A	2D	0D
2	09:01:30	S					0E	2D	3C	2D	0F
2	09:01:30	S					0E	2D	3C	2D	0F
2	09:01:30	S					0D	2D	3B	2D	0E
2	09:01:30	S					0E	2D	3C	2D	0F
2	09:01:30	S					06	2B	33	2B	08
2	09:01:30	S					0A	2D	38	2D	0B
2	09:01:30	S					05	2D	33	2D	06
2	09:01:31	S					07	2D	35	2D	08
2	09:01:31	S					07	2D	35	2D	08
2	09:01:31	S					05	2D	33	2D	06
2	09:01:31	S					0D	2D	3B	2D	0E
2	09:01:31	S					0E	2D	3C	2D	0F
2	09:01:31	S					08	2D	36	2D	09
2	09:01:31	S					09	2D	37	2D	0A
2	09:01:32	S					08	2D	36	2D	09
2	09:01:32	S					0D	2D	3B	2D	0E
2	09:01:32	S					07	2D	35	2D	08
2	09:01:32	S					08	2D	36	2D	09
2	09:01:32	S					0E	2D	3C	2D	0F
2	09:01:32	S					06	2D	34	2D	07
2	09:01:32	S					06	2D	34	2D	07
2	09:01:32	S					0D	2D	3B	2D	0E
2	09:01:33	S					06	2D	34	2D	07

2	09:01:33	S	03	2D	31	2D	04
2	09:01:33	S	0C	2D	3A	2D	0D
2	09:01:33	S	08	2D	36	2D	09
2	09:01:33	S	0C	2D	3A	2D	0D
2	09:01:33	S	0E	2D	3C	2D	0F
2	09:01:33	S	07	2D	35	2D	08
2	09:01:34	S	07	2D	35	2D	08
2	09:01:34	S	0B	2D	38	2D	0B
2	09:01:34	S	08	2D	36	2D	09
2	09:01:34	S	09	2D	37	2D	0A
2	09:01:34	S	0E	2D	3C	2D	0F
2	09:01:34	S	07	2D	35	2D	08
2	09:01:34	S	08	2D	36	2D	09
2	09:01:35	S	0C	2D	3A	2D	0D
2	09:01:35	S	10	2D	3E	2D	11
2	09:01:35	S	0A	2D	38	2D	0B
2	09:01:35	S	07	2D	35	2D	08
2	09:01:35	S	0A	2D	38	2D	0B
2	09:01:35	S	06	2D	34	2D	07
2	09:01:35	S	12	2D	40	2D	13
2	09:01:36	S	0C	2D	3A	2D	0D
2	09:01:36	S	0F	2D	3D	2D	10
2	09:01:36	S	0E	2D	3C	2D	0F
2	09:01:36	S	09	2D	37	2D	0A
2	09:01:36	S	0E	2D	3C	2D	0F
2	09:01:36	S	0D	2D	3B	2D	0E
2	09:01:36	S	06	2D	34	2D	07
2	09:01:37	S	0F	2D	3D	2D	10
2	09:01:37	S	07	2D	35	2D	08
2	09:01:37	S	0C	2D	3A	2D	0D
2	09:01:37	S	0B	2D	38	2D	0B
2	09:01:37	S	0E	2D	3C	2D	0F
2	09:01:37	S	06	2D	34	2D	07
2	09:01:37	S	0A	2D	38	2D	0B
2	09:01:38	S	0E	2D	3C	2D	0F
2	09:01:38	S	10	2D	3E	2D	11
2	09:01:38	S	10	2D	3E	2D	11
2	09:01:38	S	0B	2D	38	2D	0B
2	09:01:38	S	0E	2D	3C	2D	0F
2	09:01:38	S	07	2D	36	2D	09
2	09:01:38	S	06	2D	34	2D	07
2	09:01:39	S	09	2D	37	2D	0A
2	09:01:39	S	10	2D	3E	2D	11
2	09:01:39	S	05	2D	33	2D	06
2	09:01:39	S	0C	2D	3A	2D	0D
2	09:01:39	S	5A	2D	2B	2D	00
2	09:01:39	S	11	2D	3F	2D	12
2	09:01:39	S	08	2D	36	2D	09
2	09:01:40	S	0A	2D	38	2D	0B
2	09:01:40	S	05	2D	33	2D	06
2	09:01:40	S	08	2D	36	2D	09
2	09:01:40	S	02	2D	30	2D	03

2	09:01:40	S	08	2D	36	2D	09
2	09:01:40	S	0B	2D	38	2D	0B
2	09:01:40	S	08	2D	36	2D	09
2	09:01:41	S	0D	2D	3B	2D	0E
2	09:01:41	S	04	2D	32	2D	05
2	09:01:41	S	06	2D	34	2D	07
2	09:01:41	S	08	2D	36	2D	09
2	09:01:41	S	06	2D	34	2D	07
2	09:01:41	S	08	2D	36	2D	09
2	09:01:41	S	0D	2D	3B	2D	0E
2	09:01:41	S	10	2D	3E	2D	11
2	09:01:42	S	08	2D	36	2D	09
2	09:01:42	S	0E	2D	3C	2D	0F
2	09:01:42	S	0E	2D	3C	2D	0F
2	09:01:42	I				2D	
2	09:01:42	S	06	2D	34	2D	07
2	09:01:42	S	0F	2D	3D	2D	10
2	09:01:43	S	06	2D	34	2D	07
2	09:01:43	S	06	2D	34	2D	07
2	09:01:43	S	0F	2D	3D	2D	10
2	09:01:43	S	0D	2D	3B	2D	0E
2	09:01:43	S	10	2D	3E	2D	11
2	09:01:44	S	07	2D	35	2D	08
2	09:01:44	S	10	2D	3E	2D	11
2	09:01:44	S	0C	2D	3A	2D	0D
2	09:01:44	S	0E	2D	3C	2D	0F
2	09:01:44	S	0B	2D	38	2D	0B
2	09:01:44	S	08	2D	36	2D	09
2	09:01:44	S	07	2D	35	2D	08
2	09:01:45	S	0C	2D	3A	2D	0D
2	09:01:45	S	0A	2D	38	2D	0B
2	09:01:45	S	14	28	3D	28	15
2	09:01:45	S	10	2D	3E	2D	11
2	09:01:45	S	08	2D	36	2D	09
2	09:01:45	S	09	2D	37	2D	0A
2	09:01:45	S	07	2D	35	2D	08
2	09:01:46	S	08	2D	36	2D	09
2	09:01:46	S	0C	2D	3A	2D	0D
2	09:01:46	S	0C	2D	3A	2D	0D
2	09:01:46	S	10	2D	3B	2D	0E
2	09:01:46	S	04	2D	32	2D	05
2	09:01:46	S	0F	2D	3D	2D	10
2	09:01:46	S	08	2D	36	2D	09
2	09:01:47	S	09	2D	37	2D	0A
2	09:01:47	S	10	2D	3E	2D	11
2	09:01:47	S	09	2D	37	2D	0A
2	09:01:47	S	0A	2D	38	2D	0B
2	09:01:47	S	10	2D	3E	2D	11
2	09:01:47	S	07	2D	35	2D	08
2	09:01:47	S	0E	2A	38	2A	0E
2	09:01:47	S	09	2D	37	2D	0A
2	09:01:48	S	10	2D	3E	2D	11

2	09:01:48	S	10	2D	3E	2D	11
2	09:01:48	S	09	2D	37	2D	0A
2	09:01:48	S	08	2D	36	2D	09
2	09:01:48	S	04	2D	3E	2D	11
2	09:01:48	S	09	2D	37	2D	0A
2	09:01:49	S	08	2D	36	2D	09
2	09:01:49	S	0E	2D	3C	2D	0F
2	09:01:49	S	06	2D	34	2D	07
2	09:01:49	S	09	2D	37	2D	0A
2	09:01:49	S	09	2D	37	2D	0A
2	09:01:49	S	08	2D	36	2D	09
2	09:01:49	S	07	2D	35	2D	08
2	09:01:50	S	0B	2D	38	2D	0B
2	09:01:50	S	0C	2D	3A	2D	0D

## Data where transmit spreading is turned on.

COM	Time	Ty	PC	ID	Tx	Alarms		KO	Cr	Sg	Ns	SNR	
2	09:02:31	D	FF	123	E	--	X	11	34	19	4E	19	35
2	09:02:31	D	FF	123	E	--	X	12	3F	13	54	13	41
2	09:02:32	D	FF	123	E	--	X	13	37	17	4F	1B	34
2	09:02:33	D	FF	123	E	--	X	14	39	18	52	1C	36
2	09:02:33	D	FF	123	E	--	X	15	30	1A	4A	1A	30
2	09:02:34	D	FF	123	E	--	X	16	35	1B	51	1E	33
2	09:02:34	D	FF	123	E	--	X	17	36	1E	56	20	36
2	09:02:35	D	FF	123	E	--	X	18	37	17	4F	1B	34
2	09:02:35	D	FF	123	E	--	X	19	3A	1A	54	1D	37
2	09:02:36	D	FF	123	E	--	X	1A	37	14	4D	19	34
2	09:02:36	D	FF	123	E	--	X	1B	37	1B	53	1B	38
2	09:02:37	D	FF	123	E	--	X	1C	30	18	49	1C	2D
2	09:02:38	D	FF	123	E	--	X	1D	3B	18	53	1B	38
2	09:02:38	D	FF	123	E	--	X	1E	37	19	50	19	37
2	09:02:39	D	FF	123	E	--	X	1F	38	1A	54	1A	3A
2	09:02:39	D	FF	123	E	--	X	00	3C	17	54	17	3D
2	09:02:40	D	FF	123	E	--	X	01	3C	17	53	1B	38
2	09:02:40	D	FF	123	E	--	X	02	3E	15	55	15	40
2	09:02:41	D	FF	123	E	--	X	03	3D	18	55	1B	3A
2	09:02:41	D	FF	123	E	--	X	04	31	1C	4E	1C	32
2	09:02:42	D	FF	123	E	--	X	05	37	18	50	18	38
2	09:02:42	D	FF	123	E	--	X	06	37	1A	52	1D	35
2	09:02:43	D	FF	123	E	--	X	07	3A	15	50	1A	36
2	09:02:44	D	FF	123	E	--	X	08	34	19	4E	19	35
2	09:02:44	D	FF	123	E	--	X	09	3C	15	52	15	3D
2	09:02:45	D	FF	123	E	--	X	0A	3C	18	54	1B	39
2	09:02:45	D	FF	123	E	--	X	0B	37	1B	53	1B	38
2	09:02:46	D	FF	123	E	--	X	0C	38	17	50	17	39
2	09:02:46	D	FF	123	E	--	X	0D	3D	19	56	19	3D
2	09:02:47	D	FF	123	E	--	X	0E	36	19	50	1D	33
2	09:02:47	D	FF	123	E	--	X	0F	38	18	51	18	39
2	09:02:48	D	FF	123	E	--	X	10	36	1A	52	1D	35
2	09:02:49	D	FF	123	E	--	X	11	38	19	52	19	39
2	09:02:49	D	FF	123	E	--	X	12	38	16	4F	1A	35
2	09:02:50	D	FF	123	E	--	X	13	3C	17	54	1B	39
2	09:02:50	D	FF	123	E	--	X	14	35	19	4F	1C	33
2	09:02:51	D	FF	123	E	--	X	15	3C	18	55	18	3D
2	09:02:51	D	FF	123	E	--	X	16	3A	18	53	1C	37
2	09:02:52	D	FF	123	E	--	X	17	37	1C	55	1C	39
2	09:02:52	D	FF	123	E	--	X	18	3B	15	52	15	3D
2	09:02:53	D	FF	123	E	--	X	19	3B	14	4F	19	36
2	09:02:53	D	FF	123	E	--	X	1A	3D	18	55	18	3D
2	09:02:54	D	FF	123	E	--	X	1B	37	18	50	18	38
2	09:02:55	D	FF	123	E	--	X	1C	3E	17	56	17	3F
2	09:02:55	D	FF	123	E	--	X	1D	36	15	4D	15	38
2	09:02:56	D	FF	123	E	--	X	1E	38	1B	54	1B	39
2	09:02:56	D	FF	123	E	--	X	1F	3E	15	54	15	3F
2	09:02:57	D	FF	123	E	--	X	00	38	18	51	1B	36
2	09:02:57	D	FF	123	E	--	X	01	3C	18	54	18	3C

2	09:02:58	D	FF	123	E	--	X	02	37	18	4F	1B	34
2	09:02:58	D	FF	123	E	--	X	03	3E	18	56	18	3E
2	09:02:59	D	FF	123	E	--	X	04	39	19	53	1C	37
2	09:03:00	D	FF	123	E	--	X	05	38	17	50	1B	35
2	09:03:00	D	FF	123	E	--	X	06	3C	18	55	18	3D
2	09:03:01	D	FF	123	E	--	X	07	3A	17	52	17	3B
2	09:03:01	D	FF	123	E	--	X	08	3A	18	52	18	3A
2	09:03:02	D	FF	123	E	--	X	09	38	18	52	18	3A
2	09:03:02	D	FF	123	E	--	X	0A	3C	18	54	18	3C
2	09:03:03	D	FF	123	E	--	X	0B	3D	15	53	19	3A
2	09:03:03	D	FF	123	E	--	X	0C	3B	15	52	15	3D
2	09:03:04	D	FF	123	E	--	X	0D	31	1F	51	21	30
2	09:03:05	D	FF	123	E	--	X	0E	3E	15	55	15	40
2	09:03:05	D	FF	123	E	--	X	0F	3B	19	54	19	3B
2	09:03:06	D	FF	123	E	--	X	10	34	1B	50	1B	35
2	09:03:06	D	FF	123	E	--	X	11	35	1E	55	21	34
2	09:03:07	D	FF	123	E	--	X	12	3B	17	53	17	3C
2	09:03:07	D	FF	123	E	--	X	13	3B	17	53	1B	38
2	09:03:08	D	FF	123	E	--	X	14	37	18	4F	18	37
2	09:03:08	D	FF	123	E	--	X	15	3F	15	55	1A	3B
2	09:03:09	D	FF	123	E	--	X	16	35	1B	52	1B	37
2	09:03:09	D	FF	123	E	--	X	17	3D	15	53	15	3E
2	09:03:10	D	FF	123	E	--	X	18	3D	17	54	17	3D
2	09:03:11	D	FF	123	E	--	X	19	38	1A	54	1A	3A
2	09:03:11	D	FF	123	E	--	X	1A	3D	17	54	1B	39
2	09:03:12	D	FF	123	E	--	X	1B	3A	14	4E	14	3A
2	09:03:12	D	FF	123	E	--	X	1C	3E	15	55	15	40
2	09:03:13	D	FF	123	E	--	X	1D	39	19	53	1C	37
2	09:03:13	D	FF	123	E	--	X	1E	3E	17	55	17	3E
2	09:03:14	D	FF	123	E	--	X	1F	38	1A	53	1A	39
2	09:03:14	D	FF	123	E	--	X	00	3B	17	52	17	3B
2	09:03:15	D	FF	123	E	--	X	01	3E	18	56	18	3E
2	09:03:15	D	FF	123	E	--	X	02	3B	17	53	17	3C
2	09:03:16	D	FF	123	E	--	X	03	1F	17	37	17	20
2	09:03:17	D	FF	123	E	--	X	04	3B	13	4E	13	3B
2	09:03:17	D	FF	123	E	--	X	05	3D	17	54	17	3D
2	09:03:18	D	FF	123	E	--	X	06	38	18	52	18	3A
2	09:03:18	D	FF	123	E	--	X	07	39	19	53	19	3A
2	09:03:19	D	FF	123	E	--	X	08	3A	19	53	1C	37
2	09:03:19	D	FF	123	E	--	X	09	37	17	4E	17	37
2	09:03:20	D	FF	123	E	--	X	0A	3E	17	56	1B	3B
2	09:03:20	D	FF	123	E	--	X	0B	36	1B	52	1E	34
2	09:03:21	D	FF	123	E	--	X	0C	3B	15	50	19	37
2	09:03:22	D	FF	123	E	--	X	0D	3C	18	55	18	3D
2	09:03:22	D	FF	123	E	--	X	0E	3B	19	55	19	3C
2	09:03:23	D	FF	123	E	--	X	0F	40	15	57	15	42
2	09:03:23	D	FF	123	E	--	X	10	3B	15	51	19	38
2	09:03:24	D	FF	123	E	--	X	11	37	1A	52	1A	38
2	09:03:24	D	FF	123	E	--	X	12	3B	1B	56	1B	3B
2	09:03:25	D	FF	123	E	--	X	13	33	1F	53	21	32
2	09:03:25	D	FF	123	E	--	X	14	3D	15	53	15	3E
2	09:03:26	D	FF	123	E	--	X	15	3C	18	54	18	3C

2	09:03:26	D	FF	123	E	--	X	16	3A	1A	55	1A	3B
2	09:03:27	D	FF	123	E	--	X	17	39	19	53	1D	36
2	09:03:28	D	FF	123	E	--	X	18	38	17	4F	1B	34
2	09:03:28	D	FF	123	E	--	X	19	3C	16	53	1A	39
2	09:03:29	D	FF	123	E	--	X	1A	38	1B	54	1E	36
2	09:03:29	D	FF	123	E	--	X	1B	38	18	50	1B	35
2	09:03:30	D	FF	123	E	--	X	1C	35	18	4E	18	36
2	09:03:30	D	FF	123	E	--	X	1D	3A	18	53	18	3B
2	09:03:31	D	FF	123	E	--	X	1E	39	19	53	1C	37
2	09:03:31	D	FF	123	E	--	X	1F	3B	17	52	1B	37
2	09:03:32	D	FF	123	E	--	X	00	38	19	52	19	39
2	09:03:33	D	FF	123	E	--	X	01	3B	19	55	1D	38
2	09:03:33	D	FF	123	E	--	X	02	3C	18	55	18	3D
2	09:03:34	D	FF	123	E	--	X	03	28	1C	44	1E	26
2	09:03:34	D	FF	123	E	--	X	04	3C	18	54	18	3C
2	09:03:35	D	FF	123	E	--	X	05	3E	19	57	1C	3B
2	09:03:35	D	FF	123	E	--	X	06	3B	19	54	19	3B
2	09:03:36	D	FF	123	E	--	X	07	3C	14	52	19	39
2	09:03:36	D	FF	123	E	--	X	08	3F	15	56	15	41
2	09:03:37	D	FF	123	E	--	X	09	3D	18	55	18	3D
2	09:03:37	D	FF	123	E	--	X	0A	37	18	4F	18	37
2	09:03:38	D	FF	123	E	--	X	0B	36	18	4F	1B	34
2	09:03:39	D	FF	123	E	--	X	0C	37	18	50	1C	34
2	09:03:39	D	FF	123	E	--	X	0D	3D	18	56	1C	3A
2	09:03:40	D	FF	123	E	--	X	0E	3E	15	54	1A	3A
2	09:03:40	D	FF	123	E	--	X	0F	37	19	51	19	38
2	09:03:41	D	FF	123	E	--	X	10	3E	17	56	17	3F
2	09:03:41	D	FF	123	E	--	X	11	28	17	3F	1B	24
2	09:03:42	D	FF	123	E	--	X	12	37	19	52	19	39
2	09:03:42	D	FF	123	E	--	X	13	36	18	4F	18	37
2	09:03:43	D	FF	123	E	--	X	14	3E	17	55	1B	3A
2	09:03:44	D	FF	123	E	--	X	15	36	1C	53	1C	37
2	09:03:44	D	FF	123	E	--	X	16	37	17	4E	17	37
2	09:03:45	D	FF	123	E	--	X	17	3A	1A	55	1D	38
2	09:03:45	D	FF	123	E	--	X	18	38	18	52	18	3A
2	09:03:46	D	FF	123	E	--	X	19	3B	15	50	19	37
2	09:03:46	D	FF	123	E	--	X	1A	3C	17	54	17	3D
2	09:03:47	D	FF	123	E	--	X	1B	35	17	4D	17	36
2	09:03:47	D	FF	123	E	--	X	1C	37	1B	53	1B	38
2	09:03:48	D	FF	123	E	--	X	1D	36	1A	52	1D	35
2	09:03:48	D	FF	123	E	--	X	1E	38	17	4F	17	38
2	09:03:49	D	FF	123	E	--	X	1F	3C	17	54	17	3D
2	09:03:50	D	FF	123	E	--	X	00	3B	17	52	17	3B
2	09:03:50	D	FF	123	E	--	X	01	38	17	50	1B	35
2	09:03:51	D	FF	123	E	--	X	02	34	1B	50	1B	35
2	09:03:51	D	FF	123	E	--	X	03	38	19	52	1C	36
2	09:03:52	D	FF	123	E	--	X	04	36	1E	56	21	35
2	09:03:52	D	FF	123	E	--	X	05	39	15	4F	15	3A
2	09:03:53	D	FF	123	E	--	X	06	3E	17	56	17	3F
2	09:03:53	D	FF	123	E	--	X	07	3B	17	52	17	3B
2	09:03:54	D	FF	123	E	--	X	08	3E	15	54	15	3F
2	09:03:55	D	FF	123	E	--	X	09	38	19	52	1C	36



2	09:03:55	D	FF	123	E	--	X	0A	3C	18	55	1B	3A
2	09:03:56	D	FF	123	E	--	X	0B	37	18	4F	1B	34
2	09:03:56	D	FF	123	E	--	X	0C	3C	17	53	1B	38
2	09:03:57	D	FF	123	E	--	X	0D	3A	16	50	16	3A
2	09:03:57	D	FF	123	E	--	X	0E	3B	17	53	17	3C
2	09:03:58	D	FF	123	E	--	X	0F	30	19	4A	19	31
2	09:03:58	D	FF	123	E	--	X	10	3A	19	54	19	3B
2	09:03:59	D	FF	123	E	--	X	11	3C	17	54	17	3D
2	09:04:00	D	FF	123	E	--	X	12	38	18	50	18	38
2	09:04:01	D	FF	123	E	--	X	14	2E	1A	49	1A	2F
2	09:04:01	D	FF	123	E	--	X	15	3E	15	55	1A	3B
2	09:04:02	D	FF	123	E	--	X	16	35	19	4E	19	35
2	09:04:02	D	FF	123	E	--	X	17	3D	16	54	16	3E
2	09:04:03	D	FF	123	E	--	X	18	2B	20	4D	20	2D



2	10:05:39		12
2	10:05:41		19
2	10:05:43		13
2	10:05:46		12
2	10:05:48		14
2	10:05:50		15
2	10:05:53		10
2	10:05:55		15
2	10:05:57		18
2	10:05:59		18
2	10:06:02		12
2	10:06:04		18
2	10:06:06		10
2	10:06:09		14
2	10:06:11		12
2	10:06:13		14
2	10:06:16		12
2	10:06:18		12
2	10:06:20		13
2	10:06:22		1A
2	10:06:25		11
2	10:06:27		11
2	10:06:29		18
2	10:06:32		13
2	10:06:34		11
2	10:06:36		18
2	10:06:39		13
2	10:06:41		18
2	10:06:43		12
2	10:06:46		17
2	10:06:48		18
2	10:06:50		11
2	10:06:52		10
2	10:06:55		14
2	10:06:57		11
2	10:06:59		10
2	10:07:02		13
2	10:07:04		13
2	10:07:06		12
2	10:07:09		15
2	10:07:11		12
2	10:07:13		13
2	10:07:16		15
2	10:07:18		10
2	10:07:20		10
2	10:07:23		17
2	10:07:25		13
2	10:07:27		13
2	10:07:29		15
2	10:07:32		14
2	10:07:34		10
2	10:07:36		12

2	10:07:39		10
2	10:07:41		10
2	10:07:43		12
2	10:07:46		15
2	10:07:48		17
2	10:07:50		13
2	10:07:52		12
2	10:07:55		13
2	10:07:57		0F
2	10:08:00		1B
2	10:08:02		14
2	10:08:04		13
2	10:08:07		14
2	10:08:09		14
2	10:08:11		13
2	10:08:13		14
2	10:08:16		15
2	10:08:18		19
2	10:08:20		15
2	10:08:23		15
2	10:08:25		11
2	10:08:27		12
2	10:08:30		11
2	10:08:32		10
2	10:08:34		16
2	10:08:36		12
2	10:08:39		12
2	10:08:41		12
2	10:08:43		12
2	10:08:46		14
2	10:08:48		18
2	10:08:50		11
2	10:08:53		14
2	10:08:55		12
2	10:08:57		15
2	10:08:59		15
2	10:09:02		17
2	10:09:04		14
2	10:09:06		1A
2	10:09:09		12
2	10:09:11		11
2	10:09:13		17
2	10:09:16		10
2	10:09:18		12
2	10:09:20		14
2	10:09:23		11
2	10:09:25		17
2	10:09:27		14
2	10:09:29		10
2	10:09:32		15
2	10:09:34		10
2	10:09:37		13

2	10:09:39		17
2	10:09:41		17
2	10:09:43		11
2	10:09:46		11
2	10:09:48		12
2	10:09:50		17
2	10:09:53		12
2	10:09:55		12
2	10:09:57		15
2	10:10:00		15
2	10:10:02		10
2	10:10:04		17
2	10:10:06		14
2	10:10:09		18
2	10:10:11		13

**Spreading turned on**  
**Conversion of Hex SNR to dB, and dB to linear**

SNR(hex)	SNR(dB)	SNR	SNR(AVG)
35	20.7843137	119.792981	22.4783969
41	25.4901961	354.013324	
34	20.3921569	109.44998	
36	21.1764706	131.113394	
30	18.8235294	76.2698586	
33	20	100	
36	21.1764706	131.113394	
34	20.3921569	109.44998	
37	21.5686275	143.503583	
34	20.3921569	109.44998	
38	21.9607843	157.064643	
2D	17.6470588	58.1709133	
38	21.9607843	157.064643	
37	21.5686275	143.503583	
3A	22.745098	188.152418	
3D	23.9215686	246.693021	
38	21.9607843	157.064643	
40	25.0980392	323.447591	
3A	22.745098	188.152418	
32	19.6078431	91.3659373	
38	21.9607843	157.064643	
35	20.7843137	119.792981	
36	21.1764706	131.113394	
35	20.7843137	119.792981	
3D	23.9215686	246.693021	
39	22.3529412	171.90722	
38	21.9607843	157.064643	
39	22.3529412	171.90722	
3D	23.9215686	246.693021	
33	20	100	
39	22.3529412	171.90722	
35	20.7843137	119.792981	
39	22.3529412	171.90722	
35	20.7843137	119.792981	
39	22.3529412	171.90722	
33	20	100	
3D	23.9215686	246.693021	
37	21.5686275	143.503583	
39	22.3529412	171.90722	
3D	23.9215686	246.693021	
36	21.1764706	131.113394	
3D	23.9215686	246.693021	
38	21.9607843	157.064643	
3F	24.7058824	295.520924	
38	21.9607843	157.064643	
39	22.3529412	171.90722	
3F	24.7058824	295.520924	
36	21.1764706	131.113394	

3C	23.5294118	225.39339
34	20.3921569	109.44998
3E	24.3137255	270.005462
37	21.5686275	143.503583
35	20.7843137	119.792981
3D	23.9215686	246.693021
3B	23.1372549	205.932784
3A	22.745098	188.152418
3A	22.745098	188.152418
3C	23.5294118	225.39339
3A	22.745098	188.152418
3D	23.9215686	246.693021
30	18.8235294	76.2698586
40	25.0980392	323.447591
3B	23.1372549	205.932784
35	20.7843137	119.792981
34	20.3921569	109.44998
3C	23.5294118	225.39339
38	21.9607843	157.064643
37	21.5686275	143.503583
3B	23.1372549	205.932784
37	21.5686275	143.503583
3E	24.3137255	270.005462
3D	23.9215686	246.693021
3A	22.745098	188.152418
39	22.3529412	171.90722
3A	22.745098	188.152418
40	25.0980392	323.447591
37	21.5686275	143.503583
3E	24.3137255	270.005462
39	22.3529412	171.90722
3B	23.1372549	205.932784
3E	24.3137255	270.005462
3C	23.5294118	225.39339
20	12.5490196	17.9846488
3B	23.1372549	205.932784
3D	23.9215686	246.693021
3A	22.745098	188.152418
3A	22.745098	188.152418
37	21.5686275	143.503583
37	21.5686275	143.503583
3B	23.1372549	205.932784
34	20.3921569	109.44998
37	21.5686275	143.503583
3D	23.9215686	246.693021
3C	23.5294118	225.39339
42	25.8823529	387.467512
38	21.9607843	157.064643
38	21.9607843	157.064643
3B	23.1372549	205.932784
32	19.6078431	91.3659373
3E	24.3137255	270.005462

3C	23.5294118	225.39339
3B	23.1372549	205.932784
36	21.1764706	131.113394
34	20.3921569	109.44998
39	22.3529412	171.90722
36	21.1764706	131.113394
35	20.7843137	119.792981
36	21.1764706	131.113394
3B	23.1372549	205.932784
37	21.5686275	143.503583
37	21.5686275	143.503583
39	22.3529412	171.90722
38	21.9607843	157.064643
3D	23.9215686	246.693021
26	14.9019608	30.9169098
3C	23.5294118	225.39339
3B	23.1372549	205.932784
3B	23.1372549	205.932784
39	22.3529412	171.90722
41	25.4901961	354.013324
3D	23.9215686	246.693021
37	21.5686275	143.503583
34	20.3921569	109.44998
34	20.3921569	109.44998
3A	22.745098	188.152418
3A	22.745098	188.152418
38	21.9607843	157.064643
3F	24.7058824	295.520924
24	14.1176471	25.8086154
39	22.3529412	171.90722
37	21.5686275	143.503583
3A	22.745098	188.152418
37	21.5686275	143.503583
37	21.5686275	143.503583
38	21.9607843	157.064643
3A	22.745098	188.152418
37	21.5686275	143.503583
3D	23.9215686	246.693021
36	21.1764706	131.113394
38	21.9607843	157.064643
35	20.7843137	119.792981
38	21.9607843	157.064643
3D	23.9215686	246.693021
3B	23.1372549	205.932784
35	20.7843137	119.792981
35	20.7843137	119.792981
36	21.1764706	131.113394
35	20.7843137	119.792981
3A	22.745098	188.152418
3F	24.7058824	295.520924
3B	23.1372549	205.932784
3F	24.7058824	295.520924



36	21.1764706	131.113394
3A	22.745098	188.152418
34	20.3921569	109.44998
38	21.9607843	157.064643
3A	22.745098	188.152418
3C	23.5294118	225.39339
31	19.2156863	83.4773449
3B	23.1372549	205.932784
3D	23.9215686	246.693021
38	21.9607843	157.064643
2F	18.4313725	69.6846712
3B	23.1372549	205.932784
35	20.7843137	119.792981
3E	24.3137255	270.005462
		176.945569

## Spreading turned off

## Conversion of Hex SNR to dB, and dB to linear

SNR	SNR(dB)	SNR	SNR(AVG)
0E	5.49019608	3.54013324	4.6663953
0D	5.09803922	3.23447591	
0B	4.31372549	2.70005462	
08	3.1372549	2.05932784	
10	6.2745098	4.24083114	
0E	5.49019608	3.54013324	
0A	3.92156863	2.46693021	
0D	5.09803922	3.23447591	
0B	4.31372549	2.70005462	
11	6.66666667	4.64158883	
00	0	1	
09	3.52941176	2.2539339	
0F	5.88235294	3.87467512	
0D	5.09803922	3.23447591	
08	3.1372549	2.05932784	
10	6.2745098	4.24083114	
08	3.1372549	2.05932784	
0D	5.09803922	3.23447591	
07	2.74509804	1.88152418	
0F	5.88235294	3.87467512	
03	1.17647059	1.31113394	
11	6.66666667	4.64158883	
09	3.52941176	2.2539339	
0B	4.31372549	2.70005462	
0D	5.09803922	3.23447591	
0D	5.09803922	3.23447591	
0F	5.88235294	3.87467512	
0F	5.88235294	3.87467512	
0E	5.49019608	3.54013324	
0F	5.88235294	3.87467512	
08	3.1372549	2.05932784	
0B	4.31372549	2.70005462	
06	2.35294118	1.7190722	
08	3.1372549	2.05932784	
08	3.1372549	2.05932784	
06	2.35294118	1.7190722	
0E	5.49019608	3.54013324	
0F	5.88235294	3.87467512	
09	3.52941176	2.2539339	
0A	3.92156863	2.46693021	
09	3.52941176	2.2539339	
0E	5.49019608	3.54013324	
08	3.1372549	2.05932784	
09	3.52941176	2.2539339	
0F	5.88235294	3.87467512	
07	2.74509804	1.88152418	
07	2.74509804	1.88152418	
0E	5.49019608	3.54013324	

07	2.74509804	1.88152418
04	1.56862745	1.43503583
0D	5.09803922	3.23447591
09	3.52941176	2.2539339
0D	5.09803922	3.23447591
0F	5.88235294	3.87467512
08	3.1372549	2.05932784
08	3.1372549	2.05932784
0B	4.31372549	2.70005462
09	3.52941176	2.2539339
0A	3.92156863	2.46693021
0F	5.88235294	3.87467512
08	3.1372549	2.05932784
09	3.52941176	2.2539339
0D	5.09803922	3.23447591
11	6.66666667	4.64158883
0B	4.31372549	2.70005462
08	3.1372549	2.05932784
0B	4.31372549	2.70005462
07	2.74509804	1.88152418
13	7.45098039	5.56029763
0D	5.09803922	3.23447591
10	6.2745098	4.24083114
0F	5.88235294	3.87467512
0A	3.92156863	2.46693021
0F	5.88235294	3.87467512
0E	5.49019608	3.54013324
07	2.74509804	1.88152418
10	6.2745098	4.24083114
08	3.1372549	2.05932784
0D	5.09803922	3.23447591
0B	4.31372549	2.70005462
0F	5.88235294	3.87467512
07	2.74509804	1.88152418
0B	4.31372549	2.70005462
0F	5.88235294	3.87467512
11	6.66666667	4.64158883
11	6.66666667	4.64158883
0B	4.31372549	2.70005462
0F	5.88235294	3.87467512
09	3.52941176	2.2539339
07	2.74509804	1.88152418
0A	3.92156863	2.46693021
11	6.66666667	4.64158883
06	2.35294118	1.7190722
0D	5.09803922	3.23447591
00	0	1
12	7.05882353	5.08021805
09	3.52941176	2.2539339
0B	4.31372549	2.70005462
06	2.35294118	1.7190722
09	3.52941176	2.2539339

03	1.17647059	1.31113394
09	3.52941176	2.2539339
0B	4.31372549	2.70005462
09	3.52941176	2.2539339
0E	5.49019608	3.54013324
05	1.96078431	1.57064643
07	2.74509804	1.88152418
09	3.52941176	2.2539339
07	2.74509804	1.88152418
09	3.52941176	2.2539339
0E	5.49019608	3.54013324
11	6.66666667	4.64158883
09	3.52941176	2.2539339
0F	5.88235294	3.87467512
0F	5.88235294	3.87467512
	0	1
07	2.74509804	1.88152418
10	6.2745098	4.24083114
07	2.74509804	1.88152418
07	2.74509804	1.88152418
10	6.2745098	4.24083114
0E	5.49019608	3.54013324
11	6.66666667	4.64158883
08	3.1372549	2.05932784
11	6.66666667	4.64158883
0D	5.09803922	3.23447591
0F	5.88235294	3.87467512
0B	4.31372549	2.70005462
09	3.52941176	2.2539339
08	3.1372549	2.05932784
0D	5.09803922	3.23447591
0B	4.31372549	2.70005462
15	8.23529412	6.66084629
11	6.66666667	4.64158883
09	3.52941176	2.2539339
0A	3.92156863	2.46693021
08	3.1372549	2.05932784
09	3.52941176	2.2539339
0D	5.09803922	3.23447591
0D	5.09803922	3.23447591
0E	5.49019608	3.54013324
05	1.96078431	1.57064643
10	6.2745098	4.24083114
09	3.52941176	2.2539339
0A	3.92156863	2.46693021
11	6.66666667	4.64158883
0A	3.92156863	2.46693021
0B	4.31372549	2.70005462
11	6.66666667	4.64158883
08	3.1372549	2.05932784
0E	5.49019608	3.54013324
0A	3.92156863	2.46693021

11	6.66666667	4.64158883
11	6.66666667	4.64158883
0A	3.92156863	2.46693021
09	3.52941176	2.2539339
11	6.66666667	4.64158883
0A	3.92156863	2.46693021
09	3.52941176	2.2539339
0F	5.88235294	3.87467512
07	2.74509804	1.88152418
0A	3.92156863	2.46693021
0A	3.92156863	2.46693021
09	3.52941176	2.2539339
08	3.1372549	2.05932784
0B	4.31372549	2.70005462
0D		2.92846158

### Spreading turned on

#### Conversion of Hex Ns to dB, and dB to linear

Ns	SNR(dB)	SNR	SNR(AVG)
19	9.80392157	9.55855309	10.0910742
13	7.45098039	5.56029763	
1B	10.5882353	11.4504757	
1C	10.9803922	12.5325434	
1A	10.1960784	10.4618344	
1E	11.7647059	15.0131073	
20	12.5490196	17.9846488	
1B	10.5882353	11.4504757	
1D	11.372549	13.7168662	
19	9.80392157	9.55855309	
1B	10.5882353	11.4504757	
1C	10.9803922	12.5325434	
1B	10.5882353	11.4504757	
19	9.80392157	9.55855309	
1A	10.1960784	10.4618344	
17	9.01960784	7.97922634	
1B	10.5882353	11.4504757	
15	8.23529412	6.66084629	
1B	10.5882353	11.4504757	
1C	10.9803922	12.5325434	
18	9.41176471	8.73326162	
1D	11.372549	13.7168662	
1A	10.1960784	10.4618344	
19	9.80392157	9.55855309	
15	8.23529412	6.66084629	
1B	10.5882353	11.4504757	
1B	10.5882353	11.4504757	
17	9.01960784	7.97922634	
19	9.80392157	9.55855309	
1D	11.372549	13.7168662	
18	9.41176471	8.73326162	
1D	11.372549	13.7168662	
19	9.80392157	9.55855309	
1A	10.1960784	10.4618344	
1B	10.5882353	11.4504757	
1C	10.9803922	12.5325434	
18	9.41176471	8.73326162	
1C	10.9803922	12.5325434	
1C	10.9803922	12.5325434	
15	8.23529412	6.66084629	
19	9.80392157	9.55855309	
18	9.41176471	8.73326162	
18	9.41176471	8.73326162	
17	9.01960784	7.97922634	
15	8.23529412	6.66084629	
1B	10.5882353	11.4504757	
15	8.23529412	6.66084629	
1B	10.5882353	11.4504757	

18	9.41176471	8.73326162
1B	10.5882353	11.4504757
18	9.41176471	8.73326162
1C	10.9803922	12.5325434
1B	10.5882353	11.4504757
18	9.41176471	8.73326162
17	9.01960784	7.97922634
18	9.41176471	8.73326162
18	9.41176471	8.73326162
18	9.41176471	8.73326162
19	9.80392157	9.55855309
15	8.23529412	6.66084629
21	12.9411765	19.6841945
15	8.23529412	6.66084629
19	9.80392157	9.55855309
1B	10.5882353	11.4504757
21	12.9411765	19.6841945
17	9.01960784	7.97922634
1B	10.5882353	11.4504757
18	9.41176471	8.73326162
1A	10.1960784	10.4618344
1B	10.5882353	11.4504757
15	8.23529412	6.66084629
17	9.01960784	7.97922634
1A	10.1960784	10.4618344
1B	10.5882353	11.4504757
14	7.84313725	6.08574464
15	8.23529412	6.66084629
1C	10.9803922	12.5325434
17	9.01960784	7.97922634
1A	10.1960784	10.4618344
17	9.01960784	7.97922634
18	9.41176471	8.73326162
17	9.01960784	7.97922634
17	9.01960784	7.97922634
13	7.45098039	5.56029763
17	9.01960784	7.97922634
18	9.41176471	8.73326162
19	9.80392157	9.55855309
1C	10.9803922	12.5325434
17	9.01960784	7.97922634
1B	10.5882353	11.4504757
1E	11.7647059	15.0131073
19	9.80392157	9.55855309
18	9.41176471	8.73326162
19	9.80392157	9.55855309
15	8.23529412	6.66084629
19	9.80392157	9.55855309
1A	10.1960784	10.4618344
1B	10.5882353	11.4504757
21	12.9411765	19.6841945
15	8.23529412	6.66084629

18	9.41176471	8.73326162
1A	10.1960784	10.4618344
1D	11.372549	13.7168662
1B	10.5882353	11.4504757
1A	10.1960784	10.4618344
1E	11.7647059	15.0131073
1B	10.5882353	11.4504757
18	9.41176471	8.73326162
18	9.41176471	8.73326162
1C	10.9803922	12.5325434
1B	10.5882353	11.4504757
19	9.80392157	9.55855309
1D	11.372549	13.7168662
18	9.41176471	8.73326162
1E	11.7647059	15.0131073
18	9.41176471	8.73326162
1C	10.9803922	12.5325434
19	9.80392157	9.55855309
19	9.80392157	9.55855309
15	8.23529412	6.66084629
18	9.41176471	8.73326162
18	9.41176471	8.73326162
1B	10.5882353	11.4504757
1C	10.9803922	12.5325434
1C	10.9803922	12.5325434
1A	10.1960784	10.4618344
19	9.80392157	9.55855309
17	9.01960784	7.97922634
1B	10.5882353	11.4504757
19	9.80392157	9.55855309
18	9.41176471	8.73326162
1B	10.5882353	11.4504757
1C	10.9803922	12.5325434
17	9.01960784	7.97922634
1D	11.372549	13.7168662
18	9.41176471	8.73326162
19	9.80392157	9.55855309
17	9.01960784	7.97922634
17	9.01960784	7.97922634
17	9.01960784	7.97922634
1B	10.5882353	11.4504757
1B	10.5882353	11.4504757
1C	10.9803922	12.5325434
21	12.9411765	19.6841945
15	8.23529412	6.66084629
17	9.01960784	7.97922634
17	9.01960784	7.97922634
15	8.23529412	6.66084629



1C	10.9803922	12.5325434
1B	10.5882353	11.4504757
1B	10.5882353	11.4504757
1B	10.5882353	11.4504757
16	8.62745098	7.29029493
17	9.01960784	7.97922634
19	9.80392157	9.55855309
19	9.80392157	9.55855309
17	9.01960784	7.97922634
18	9.41176471	8.73326162
1A	10.1960784	10.4618344
1A	10.1960784	10.4618344
19	9.80392157	9.55855309
16	8.62745098	7.29029493
20		10.2119203





2D	17.6470588	58.1709133
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2D	17.6470588	58.1709133
2D	17.6470588	58.1709133
2D	17.6470588	58.1709133
2A	16.4705882	44.3668733
2D	17.6470588	58.1709133



**Receive on, transmit off**

**Conversion of Hex Ns to dB, and dB to linear**

<b>Ns</b>	<b>SNR(dB)</b>	<b>SNR</b>	<b>SNR(AVG)</b>
10	6.2745098	4.24083114	7.81665594
12	7.05882353	5.08021805	
12	7.05882353	5.08021805	
15	8.23529412	6.66084629	
10	6.2745098	4.24083114	
11	6.66666667	4.64158883	
11	6.66666667	4.64158883	
13	7.45098039	5.56029763	
10	6.2745098	4.24083114	
19	9.80392157	9.55855309	
10	6.2745098	4.24083114	
1D	11.372549	13.7168662	
13	7.45098039	5.56029763	
12	7.05882353	5.08021805	
11	6.66666667	4.64158883	
17	9.01960784	7.97922634	
12	7.05882353	5.08021805	
18	9.41176471	8.73326162	
14	7.84313725	6.08574464	
11	6.66666667	4.64158883	
12	7.05882353	5.08021805	
14	7.84313725	6.08574464	
19	9.80392157	9.55855309	
11	6.66666667	4.64158883	
12	7.05882353	5.08021805	
18	9.41176471	8.73326162	
11	6.66666667	4.64158883	
14	7.84313725	6.08574464	
15	8.23529412	6.66084629	
12	7.05882353	5.08021805	
14	7.84313725	6.08574464	
11	6.66666667	4.64158883	
14	7.84313725	6.08574464	
13	7.45098039	5.56029763	
12	7.05882353	5.08021805	
15	8.23529412	6.66084629	
12	7.05882353	5.08021805	
1A	10.1960784	10.4618344	
11	6.66666667	4.64158883	
11	6.66666667	4.64158883	
14	7.84313725	6.08574464	
18	9.41176471	8.73326162	
14	7.84313725	6.08574464	
14	7.84313725	6.08574464	
12	7.05882353	5.08021805	
11	6.66666667	4.64158883	
12	7.05882353	5.08021805	
15	8.23529412	6.66084629	

12	7.05882353	5.08021805
19	9.80392157	9.55855309
13	7.45098039	5.56029763
12	7.05882353	5.08021805
14	7.84313725	6.08574464
15	8.23529412	6.66084629
10	6.2745098	4.24083114
15	8.23529412	6.66084629
18	9.41176471	8.73326162
18	9.41176471	8.73326162
12	7.05882353	5.08021805
18	9.41176471	8.73326162
10	6.2745098	4.24083114
14	7.84313725	6.08574464
12	7.05882353	5.08021805
14	7.84313725	6.08574464
12	7.05882353	5.08021805
12	7.05882353	5.08021805
13	7.45098039	5.56029763
1A	10.1960784	10.4618344
11	6.66666667	4.64158883
11	6.66666667	4.64158883
18	9.41176471	8.73326162
13	7.45098039	5.56029763
11	6.66666667	4.64158883
18	9.41176471	8.73326162
13	7.45098039	5.56029763
18	9.41176471	8.73326162
12	7.05882353	5.08021805
17	9.01960784	7.97922634
18	9.41176471	8.73326162
11	6.66666667	4.64158883
10	6.2745098	4.24083114
14	7.84313725	6.08574464
11	6.66666667	4.64158883
10	6.2745098	4.24083114
13	7.45098039	5.56029763
13	7.45098039	5.56029763
12	7.05882353	5.08021805
15	8.23529412	6.66084629
12	7.05882353	5.08021805
13	7.45098039	5.56029763
15	8.23529412	6.66084629
10	6.2745098	4.24083114
10	6.2745098	4.24083114
17	9.01960784	7.97922634
13	7.45098039	5.56029763
13	7.45098039	5.56029763
15	8.23529412	6.66084629
14	7.84313725	6.08574464
10	6.2745098	4.24083114
12	7.05882353	5.08021805

10	6.2745098	4.24083114
10	6.2745098	4.24083114
12	7.05882353	5.08021805
15	8.23529412	6.66084629
17	9.01960784	7.97922634
13	7.45098039	5.56029763
12	7.05882353	5.08021805
13	7.45098039	5.56029763
0F	5.88235294	3.87467512
1B	10.5882353	11.4504757
14	7.84313725	6.08574464
13	7.45098039	5.56029763
14	7.84313725	6.08574464
14	7.84313725	6.08574464
13	7.45098039	5.56029763
14	7.84313725	6.08574464
15	8.23529412	6.66084629
19	9.80392157	9.55855309
15	8.23529412	6.66084629
15	8.23529412	6.66084629
11	6.66666667	4.64158883
12	7.05882353	5.08021805
11	6.66666667	4.64158883
10	6.2745098	4.24083114
16	8.62745098	7.29029493
12	7.05882353	5.08021805
12	7.05882353	5.08021805
12	7.05882353	5.08021805
12	7.05882353	5.08021805
14	7.84313725	6.08574464
18	9.41176471	8.73326162
11	6.66666667	4.64158883
14	7.84313725	6.08574464
12	7.05882353	5.08021805
15	8.23529412	6.66084629
15	8.23529412	6.66084629
17	9.01960784	7.97922634
14	7.84313725	6.08574464
1A	10.1960784	10.4618344
12	7.05882353	5.08021805
11	6.66666667	4.64158883
17	9.01960784	7.97922634
10	6.2745098	4.24083114
12	7.05882353	5.08021805
14	7.84313725	6.08574464
11	6.66666667	4.64158883
17	9.01960784	7.97922634
14	7.84313725	6.08574464
10	6.2745098	4.24083114
15	8.23529412	6.66084629
10	6.2745098	4.24083114
13	7.45098039	5.56029763



17	9.01960784	7.97922634
17	9.01960784	7.97922634
11	6.66666667	4.64158883
11	6.66666667	4.64158883
12	7.05882353	5.08021805
17	9.01960784	7.97922634
12	7.05882353	5.08021805
12	7.05882353	5.08021805
15	8.23529412	6.66084629
15	8.23529412	6.66084629
10	6.2745098	4.24083114
17	9.01960784	7.97922634
14	7.84313725	6.08574464
18	9.41176471	8.73326162
13		6.04874943

**Spreading turned on**  
**Conversion of Hex Sg to dB, and dB to linear**

<b>Sg</b>	<b>SNR(dB)</b>	<b>SNR</b>	<b>SNR(AVG)</b>
4E	30.5882353	1145.04757	32.2986804
54	32.9411765	1968.41945	
4F	30.9803922	1253.25434	
52	32.1568627	1643.18429	
4A	29.0196078	797.922634	
51	31.7647059	1501.31073	
56	33.7254902	2358.02834	
4F	30.9803922	1253.25434	
54	32.9411765	1968.41945	
4D	30.1960784	1046.18344	
53	32.5490196	1798.46488	
49	28.627451	729.029493	
53	32.5490196	1798.46488	
50	31.372549	1371.68662	
54	32.9411765	1968.41945	
54	32.9411765	1968.41945	
53	32.5490196	1798.46488	
55	33.3333333	2154.43469	
55	33.3333333	2154.43469	
4E	30.5882353	1145.04757	
50	31.372549	1371.68662	
52	32.1568627	1643.18429	
50	31.372549	1371.68662	
4E	30.5882353	1145.04757	
52	32.1568627	1643.18429	
54	32.9411765	1968.41945	
53	32.5490196	1798.46488	
50	31.372549	1371.68662	
56	33.7254902	2358.02834	
50	31.372549	1371.68662	
51	31.7647059	1501.31073	
52	32.1568627	1643.18429	
52	32.1568627	1643.18429	
4F	30.9803922	1253.25434	
54	32.9411765	1968.41945	
4F	30.9803922	1253.25434	
55	33.3333333	2154.43469	
53	32.5490196	1798.46488	
55	33.3333333	2154.43469	
52	32.1568627	1643.18429	
4F	30.9803922	1253.25434	
55	33.3333333	2154.43469	
50	31.372549	1371.68662	
56	33.7254902	2358.02834	
4D	30.1960784	1046.18344	
54	32.9411765	1968.41945	
54	32.9411765	1968.41945	
51	31.7647059	1501.31073	

54	32.9411765	1968.41945
4F	30.9803922	1253.25434
56	33.7254902	2358.02834
53	32.5490196	1798.46488
50	31.372549	1371.68662
55	33.3333333	2154.43469
52	32.1568627	1643.18429
52	32.1568627	1643.18429
52	32.1568627	1643.18429
54	32.9411765	1968.41945
53	32.5490196	1798.46488
52	32.1568627	1643.18429
51	31.7647059	1501.31073
55	33.3333333	2154.43469
54	32.9411765	1968.41945
50	31.372549	1371.68662
55	33.3333333	2154.43469
53	32.5490196	1798.46488
53	32.5490196	1798.46488
4F	30.9803922	1253.25434
55	33.3333333	2154.43469
52	32.1568627	1643.18429
53	32.5490196	1798.46488
54	32.9411765	1968.41945
54	32.9411765	1968.41945
54	32.9411765	1968.41945
4E	30.5882353	1145.04757
55	33.3333333	2154.43469
53	32.5490196	1798.46488
55	33.3333333	2154.43469
53	32.5490196	1798.46488
52	32.1568627	1643.18429
56	33.7254902	2358.02834
53	32.5490196	1798.46488
37	21.5686275	143.503583
4E	30.5882353	1145.04757
54	32.9411765	1968.41945
52	32.1568627	1643.18429
53	32.5490196	1798.46488
53	32.5490196	1798.46488
4E	30.5882353	1145.04757
56	33.7254902	2358.02834
52	32.1568627	1643.18429
50	31.372549	1371.68662
55	33.3333333	2154.43469
55	33.3333333	2154.43469
57	34.1176471	2580.86154
51	31.7647059	1501.31073
52	32.1568627	1643.18429
56	33.7254902	2358.02834
53	32.5490196	1798.46488
53	32.5490196	1798.46488

54	32.9411765	1968.41945
55	33.3333333	2154.43469
53	32.5490196	1798.46488
4F	30.9803922	1253.25434
53	32.5490196	1798.46488
54	32.9411765	1968.41945
50	31.372549	1371.68662
4E	30.5882353	1145.04757
53	32.5490196	1798.46488
53	32.5490196	1798.46488
52	32.1568627	1643.18429
52	32.1568627	1643.18429
55	33.3333333	2154.43469
55	33.3333333	2154.43469
44	26.6666667	464.158883
54	32.9411765	1968.41945
57	34.1176471	2580.86154
54	32.9411765	1968.41945
52	32.1568627	1643.18429
56	33.7254902	2358.02834
55	33.3333333	2154.43469
4F	30.9803922	1253.25434
4F	30.9803922	1253.25434
50	31.372549	1371.68662
56	33.7254902	2358.02834
54	32.9411765	1968.41945
51	31.7647059	1501.31073
56	33.7254902	2358.02834
3F	24.7058824	295.520924
52	32.1568627	1643.18429
4F	30.9803922	1253.25434
55	33.3333333	2154.43469
53	32.5490196	1798.46488
4E	30.5882353	1145.04757
55	33.3333333	2154.43469
52	32.1568627	1643.18429
50	31.372549	1371.68662
54	32.9411765	1968.41945
4D	30.1960784	1046.18344
53	32.5490196	1798.46488
52	32.1568627	1643.18429
4F	30.9803922	1253.25434
54	32.9411765	1968.41945
52	32.1568627	1643.18429
50	31.372549	1371.68662
50	31.372549	1371.68662
52	32.1568627	1643.18429
56	33.7254902	2358.02834
4F	30.9803922	1253.25434
56	33.7254902	2358.02834
52	32.1568627	1643.18429
54	32.9411765	1968.41945

52	32.1568627	1643.18429
55	33.3333333	2154.43469
4F	30.9803922	1253.25434
53	32.5490196	1798.46488
50	31.372549	1371.68662
53	32.5490196	1798.46488
4A	29.0196078	797.922634
54	32.9411765	1968.41945
54	32.9411765	1968.41945
50	31.372549	1371.68662
49	28.627451	729.029493
55	33.3333333	2154.43469
4E	30.5882353	1145.04757
54	32.9411765	1968.41945
4D		1697.72773

## Spreading turned off

## Conversion of Hex Sg to dB, and dB to linear

Sg	SNR(dB)	SNR	SNR(AVG)
3B	23.1372549	205.932784	22.2700454
3A	22.745098	188.152418	
38	21.9607843	157.064643	
35	20.7843137	119.792981	
3D	23.9215686	246.693021	
3B	23.1372549	205.932784	
37	21.5686275	143.503583	
3A	22.745098	188.152418	
38	21.9607843	157.064643	
3E	24.3137255	270.005462	
2C	17.254902	53.1484001	
36	21.1764706	131.113394	
3C	23.5294118	225.39339	
3A	22.745098	188.152418	
35	20.7843137	119.792981	
3D	23.9215686	246.693021	
35	20.7843137	119.792981	
3A	22.745098	188.152418	
34	20.3921569	109.44998	
3C	23.5294118	225.39339	
30	18.8235294	76.2698586	
3E	24.3137255	270.005462	
36	21.1764706	131.113394	
38	21.9607843	157.064643	
3A	22.745098	188.152418	
3A	22.745098	188.152418	
3C	23.5294118	225.39339	
3C	23.5294118	225.39339	
3B	23.1372549	205.932784	
3C	23.5294118	225.39339	
33	20	100	
38	21.9607843	157.064643	
33	20	100	
35	20.7843137	119.792981	
35	20.7843137	119.792981	
33	20	100	
3B	23.1372549	205.932784	
3C	23.5294118	225.39339	
36	21.1764706	131.113394	
37	21.5686275	143.503583	
36	21.1764706	131.113394	
3B	23.1372549	205.932784	
35	20.7843137	119.792981	
36	21.1764706	131.113394	
3C	23.5294118	225.39339	
34	20.3921569	109.44998	
34	20.3921569	109.44998	
3B	23.1372549	205.932784	

34	20.3921569	109.44998
31	19.2156863	83.4773449
3A	22.745098	188.152418
36	21.1764706	131.113394
3A	22.745098	188.152418
3C	23.5294118	225.39339
35	20.7843137	119.792981
35	20.7843137	119.792981
38	21.9607843	157.064643
36	21.1764706	131.113394
37	21.5686275	143.503583
3C	23.5294118	225.39339
35	20.7843137	119.792981
36	21.1764706	131.113394
3A	22.745098	188.152418
3E	24.3137255	270.005462
38	21.9607843	157.064643
35	20.7843137	119.792981
38	21.9607843	157.064643
34	20.3921569	109.44998
40	25.0980392	323.447591
3A	22.745098	188.152418
3D	23.9215686	246.693021
3C	23.5294118	225.39339
37	21.5686275	143.503583
3C	23.5294118	225.39339
3B	23.1372549	205.932784
34	20.3921569	109.44998
3D	23.9215686	246.693021
35	20.7843137	119.792981
3A	22.745098	188.152418
38	21.9607843	157.064643
3C	23.5294118	225.39339
34	20.3921569	109.44998
38	21.9607843	157.064643
3C	23.5294118	225.39339
3E	24.3137255	270.005462
3E	24.3137255	270.005462
38	21.9607843	157.064643
3C	23.5294118	225.39339
36	21.1764706	131.113394
34	20.3921569	109.44998
37	21.5686275	143.503583
3E	24.3137255	270.005462
33	20	100
3A	22.745098	188.152418
2B	16.8627451	48.5595339
3F	24.7058824	295.520924
36	21.1764706	131.113394
38	21.9607843	157.064643
33	20	100
36	21.1764706	131.113394

30	18.8235294	76.2698586
36	21.1764706	131.113394
38	21.9607843	157.064643
36	21.1764706	131.113394
3B	23.1372549	205.932784
32	19.6078431	91.3659373
34	20.3921569	109.44998
36	21.1764706	131.113394
34	20.3921569	109.44998
36	21.1764706	131.113394
3B	23.1372549	205.932784
3E	24.3137255	270.005462
36	21.1764706	131.113394
3C	23.5294118	225.39339
3C	23.5294118	225.39339
	0	1
34	20.3921569	109.44998
3D	23.9215686	246.693021
34	20.3921569	109.44998
34	20.3921569	109.44998
3D	23.9215686	246.693021
3B	23.1372549	205.932784
3E	24.3137255	270.005462
35	20.7843137	119.792981
3E	24.3137255	270.005462
3A	22.745098	188.152418
3C	23.5294118	225.39339
38	21.9607843	157.064643
36	21.1764706	131.113394
35	20.7843137	119.792981
3A	22.745098	188.152418
38	21.9607843	157.064643
3D	23.9215686	246.693021
3E	24.3137255	270.005462
36	21.1764706	131.113394
37	21.5686275	143.503583
35	20.7843137	119.792981
36	21.1764706	131.113394
3A	22.745098	188.152418
3A	22.745098	188.152418
3B	23.1372549	205.932784
32	19.6078431	91.3659373
3D	23.9215686	246.693021
36	21.1764706	131.113394
37	21.5686275	143.503583
3E	24.3137255	270.005462
37	21.5686275	143.503583
38	21.9607843	157.064643
3E	24.3137255	270.005462
35	20.7843137	119.792981
38	21.9607843	157.064643
37	21.5686275	143.503583



3E	24.3137255	270.005462
3E	24.3137255	270.005462
37	21.5686275	143.503583
36	21.1764706	131.113394
3E	24.3137255	270.005462
37	21.5686275	143.503583
36	21.1764706	131.113394
3C	23.5294118	225.39339
34	20.3921569	109.44998
37	21.5686275	143.503583
37	21.5686275	143.503583
36	21.1764706	131.113394
35	20.7843137	119.792981
38	21.9607843	157.064643
3A		168.657065