

#### Jammertest 2024 Transmission Plan

Jammertest Consortium

2024-08-30 08:17:13

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#### Monday

Location 1 Bleik

Monday morning before lunch will be used for setting up equipment and checking that all systems are operational. After lunch the testing will start with high power jamming.

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Table 1.1: Monday

Monday			
2024-09-09	Bleik(1)	Grunnvatn(2)	Motorcade(3)
Start time:	13:00	13:00	13:00
08:00			
09:00			
10:00			
11:00			
12:00			
13:00	13:00-13:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	13:00-13:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	13:00-13:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)
14:00	14:00-14:10 - 1.2.1 50 W CW: L1 Power: 50W Contact: Nicolai Gerrard (NKOM)  14:20-14:30 - 1.2.4 50 W CW: L1, G1, L2, L5 Power: 50W Contact: Nicolai Gerrard (NKOM)  14:40-14:50 - 1.3.5 50 W sweep: L1, 1 kHz Power: 50W Contact: Nicolai Gerrard (NKOM)	14:00-14:12 - 1.1.1  Jammer S1.1  Power: 0.0316W Contact: Øystein Karlsen (NKOM)  14:16-14:28 - 1.1.4  Jammer S2.1  Power: 0.1W Contact: Øystein Karlsen (NKOM)  14:32-14:44 - 1.1.8  Jammer U1.1  Contact: Øystein Karlsen (NKOM)  14:48-15:00 - 1.1.12  Jammer H1.1	

Table 1.1: Monday (Continued)

Monday			
2024-09-09	Bleik(1)	Grunnvatn(2)	Motorcade(3)
15:00	15:00-15:10 - 1.3.8 50 W sweep: L1, G1, L2, L5, 1 kHz Power: 50W Contact: Nicolai Gerrard (NKOM)	15:04-15:16 - 1.1.13 Jammer H1.2 Power: 0.0631W Contact: Øystein Karlsen (NKOM)	
	15:20-15:30 - 1.4.1 50 W PRN: L1 Power: 50W Contact: Nicolai Gerrard (NKOM)	15:20-15:32 - 1.1.16  Jammer H3.1  Power: 0.1W  Contact: Øystein Karlsen (NKOM)	
	15:40-15:50 - 1.4.4 50 W PRN: L1, G1, L2, L5 Power: 50W Contact: Nicolai Gerrard (NKOM)	15:36-15:48 - 1.1.18  Jammer H3.3  Power: 1W  Contact: Øystein Karlsen (NKOM)	
		15:52-16:04 - 1.1.19  Jammer H4.1  Power: 0.631W  Contact: Øystein Karlsen (NKOM)	
2 dB increments PRN: L1  Power: 50W Contact: Nicolai Gerrard (NKOM)  16:25-16:39 - 1.6.4  0.2 µW (-37dBm) to 50 W (47dBm) a 2 dB increments PRN: L1, G1, L2, L5  Power: 50W Contact: Nicolai Gerrard (NKOM)  16:50-18:05 - 1.8.1	0.2 μW (-37dBm) to 50 W (47dBm) at 2 dB increments PRN: L1 Power: 50W	16:08-16:20 - 1.1.20  Jammer H6.1  Power: 0.631W  Contact: Øystein Karlsen (NKOM)	
	0.2 μW (-37dBm) to 50 W (47dBm) at 2 dB increments PRN: L1, G1, L2, L5	16:24-16:36 - 1.1.21  Jammer H6.2  Power: 1W  Contact: Øystein Karlsen (NKOM)	
	Contact: Nicolai Gerrard (NKOM)  16:50-18:05 - 1.8.1  50 W PRN pyramid: E6, E5b, L5, G2,	16:40-16:52 - 1.1.22  Jammer H6.3  Power: 1W  Contact: Øystein Karlsen (NKOM)	
	Power: 20W	16:56-17:08 - 1.1.23  Jammer H6.4  Power: 1W  Contact: Øystein Karlsen (NKOM)	

Table 1.1: Monday (Continued)

Monday			
2024-09-09	Bleik(1)	Grunnvatn(2)	Motorcade(3)
17:00		17:12-17:24 - 1.1.26  Jammer H8.1  Power: 0.631W  Contact: Øystein Karlsen (NKOM)  17:28-17:40 - 1.1.27  Jammer F6.1  Power: 6.31W	
		Contact: Øystein Karlsen (NKOM)  17:44-17:56 - 1.1.29  Jammer H2.1  Contact: Øystein Karlsen (NKOM)	
18:00	18:30-19:00 - 0.0.2 Mandatory afternoon (de)briefing Contact: Christian Skjetne (NPRA)	18:30-19:00 - 0.0.2  Mandatory afternoon (de)briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	
19:00			
20:00			
21:00			
22:00			

## Tuesday

Location 1 Bleik

Tuesday will be used for meaconing and unintentional RFI test. During the evening there will be very high power jamming running untill 22:00.

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Table 2.1: Tuesday

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
Start time:	08:00	08:00	08:00
08:00	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)
09:00	### 100 ### 10	3 jammers at 50 meters from center S1.1, S1.2 and S1.3  Power: 0.171W	
		09:16-09:26 - 1.19.2 3 jammers at 100 meters from center \$1.1, \$1.2 and \$1.3	
	09:50-10:00 - 3.1.4 RX1 at 10 W with initial jamming Power: 10W	Power: 0.171W Contact: Øystein Karlsen (NKOM)	
	Contact: Nicolai Gerrard (NKOM)	09:48-09:58 - 1.19.4 3 jammers at 50 meters from center S2.1, S2.2 and S2.3 Power: 1.26W Contact: Øystein Karlsen (NKOM)	

Table 2.1: Tuesday (Continued)

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
10:00	10:10-10:15 - 3.1.5 RX2 at 10 W Power: 10W Contact: Nicolai Gerrard (NKOM)  10:25-10:35 - 3.2.1 RX1 and RX2 at 10 W Power: 10W Contact: Nicolai Gerrard (NKOM)  10:45-11:00 - 3.2.2 RX1 and RX2 at 10 W with initial jamming Power: 10W Contact: Nicolai Gerrard (NKOM)	10:04-10:14 - 1.19.5 3 jammers at 100 meters from center S2.1, S2.2 and S2.3 Power: 1.26W Contact: Øystein Karlsen (NKOM)  10:20-10:30 - 1.19.6 3 jammers at 150 meters from center S2.1, S2.2 and S2.3 Power: 1.26W Contact: Øystein Karlsen (NKOM)  10:36-10:46 - 1.19.7 3 jammers at 50 meters from center U1.1, U1.2 and U1.3 Contact: Øystein Karlsen (NKOM)  10:52-11:02 - 1.19.8 3 jammers at 100 meters from center U1.1, U1.2 and U1.3 Contact: Øystein Karlsen (NKOM)	

Table 2.1: Tuesday (Continued)

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
11:00	11:10-11:30 - 3.2.3 RX1 and RX2 at 10 W turned on and off at different times  Power: 10W Contact: Nicolai Gerrard (NKOM)	11:08-11:18 - 1.19.9 3 jammers at 150 meters from center U1.1, U1.2 and U1.3 Contact: Øystein Karlsen (NKOM)	
	Contact: Nicolai Gerrard (NKOM)  11:35-11:45 - 3.2.4  RX1 and RX2 at 10 W alternating  Power: 10W  Contact: Nicolai Gerrard (NKOM)	11:24-11:34 - 1.19.10 3 jammers at 50 meters from center H6.4, H6.5 and H6.6  Power: 1.58W Contact: Øystein Karlsen (NKOM)	
	11:55-12:15 - 3.2.5 RX1 and RX2 at 10 W alternating with breaks Power: 10W Contact: Nicolai Gerrard (NKOM)	11:40-11:50 - 1.19.11 3 jammers at 100 meters from center H6.4, H6.5 and H6.6  Power: 1.58W Contact: Øystein Karlsen (NKOM)	
		11:56-12:06 - 1.19.12 3 jammers at 150 meters from center H6.4, H6.5 and H6.6  Power: 1.58W Contact: Øystein Karlsen (NKOM)	
12:00	12:25-12:59 - 3.3.1 RX1 with ramping power Power: 10W Contact: Nicolai Gerrard (NKOM)	12:12-12:22 - 1.19.13 3 jammers, H1.1, H1.4 and H1.5 LOW PWR, L1 sweep, L2 L1 sweep  Power: 0.1W Contact: Øystein Karlsen (NKOM)	
		12:28-12:38 - 1.19.14 3 jammers at 100 meters from center H1.1, H1.4 and H1.5 Power: 0.1W Contact: Øystein Karlsen (NKOM)	
		12:44-12:54 - 1.19.15 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 Power: 0.1W Contact: Øystein Karlsen (NKOM)	

Table 2.1: Tuesday (Continued)

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
13:00	13:00-14:00 - 0.1.1 Grace period Comment: Lunch Contact: Christian Skjetne (NPRA)	13:00-14:00 - 0.1.1 Grace period Comment: Lunch @ Bleik (Site1) Contact: Christian Skjetne (NPRA)	
14:00	14:00-14:20 - 3.3.3 RX1 at less than 1 W, adding RX2 at 10 W after 5 minutes  Power: 10W Contact: Nicolai Gerrard (NKOM)  14:35-14:55 - 3.2.3 RX1 and RX2 at 10 W turned on and off at different times  Power: 10W Contact: Nicolai Gerrard (NKOM)	14:00-14:45 - 1.20.13 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 turned on sequentially Power: 0.0592W Comment: Requires booking for drones Contact: Øystein Karlsen (NKOM)	
15:00	15:00-15:10 - 3.2.4 RX1 and RX2 at 10 W alternating Power: 10W Contact: Nicolai Gerrard (NKOM)  15:15-15:35 - 3.2.5 RX1 and RX2 at 10 W alternating with breaks Power: 10W Contact: Nicolai Gerrard (NKOM)	15:05-15:50 - 1.20.14 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 turned on sequentially Power: 0.0592W Comment: Requires booking for drones Contact: Øystein Karlsen (NKOM)	

Table 2.1: Tuesday (Continued)

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
16:00	16:00-16:01 - 1.18.4 50 W drift: 1545 to 1620 MHz, with CW and sweep time of 1 minute Power: 20W Contact: Nicolai Gerrard (NKOM)  16:10-16:25 - 1.18.5 50 W drift: 1545 to 1620 MHz, with CW and sweep time of 15 minutes Power: 20W Contact: Nicolai Gerrard (NKOM)  16:35-16:50 - 1.18.7 50 W drift: 1620 to 1545 MHz, with CW and sweep time of 15 minutes Power: 20W Contact: Nicolai Gerrard (NKOM)	16:10-16:55 - 1.20.15 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 turned on sequentially Power: 0.0592W Comment: Requires booking for drones Contact: Øystein Karlsen (NKOM)	

Table 2.1: Tuesday (Continued)

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
17:00	17:00-17:01 - 1.18.8 50 W drift: 1545 to 1620 MHz, with BW of 500 kHz and sweep time of 1 minute  Power: 20W Contact: Nicolai Gerrard (NKOM)	17:15-18:00 - 1.20.16 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 turned on sequentially  Power: 0.0592W  Comment: Requires booking for drones  Contact: Øystein Karlsen (NKOM)	
	17:10-17:25 - 1.18.13 50 W drift: 1150 to 1300 MHz, with CW and sweep time of 15 minutes  Power: 20W Contact: Nicolai Gerrard (NKOM)		
	17:35-17:50 - 1.18.15 50 W drift: 1300 to 1150 MHz, with CW and sweep time of 15 minutes  Power: 20W Contact: Nicolai Gerrard (NKOM)	-	
	17:59-18:00 - 1.18.16 50 W drift: 1150 to 1300 MHz, with BW of 500 kHz and sweep time of 1 minute  Power: 20W Contact: Nicolai Gerrard (NKOM)		
18:00	18:30-19:00 - 0.0.2 Mandatory afternoon (de)briefing Contact: Christian Skjetne (NPRA)	18:30-19:00 - 0.0.2  Mandatory afternoon (de)briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	
19:00	19:15-22:00 - 1.16.4 High Power PRN jamming: L1, G1, L2, L5 Power: 50W Contact: Nicolai Gerrard (NKOM)		
20:00			
21:00			

Table 2.1: Tuesday (Continued)

Tuesday			
2024-09-10	Bleik(1)	Grunnvatn(2)	Motorcade(3)
22:00			

# Wednesday

Location 1 Bleik Wednesday will be used for position and SBAS spoofing.

Table 3.1: Wednesday

Wednesday			
2024-09-11	Bleik(1)	Grunnvatn(2)	Motorcade(3)
Start time:	08:00	08:00	08:00
08:00	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)
09:00	09:00-09:40 - 2.1.1  Large position and time jump, with power ramp  Power: 0.316W  Contact: Nicolai Gerrard (NKOM)	09:00-10:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
10:00	10:00-10:15 - 2.1.3  Large position and time jump. Galileo E1 only  Power: 0.316W Contact: Nicolai Gerrard (NKOM)  10:20-10:35 - 2.1.2  Large position and time jump. GPS L1 C/A only  Power: 0.316W Contact: Nicolai Gerrard (NKOM)  10:40-10:55 - 2.1.4  Large position and time jump. GPS L1	10:00-11:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
	and Galileo E1 only Power: 0.316W Contact: Nicolai Gerrard (NKOM)		

Table 3.1: Wednesday (Continued)

Wednesday			
2024-09-11	Bleik(1)	Grunnvatn(2)	Motorcade(3)
11:00	11:25-11:40 - 2.1.9 Simulated driving (route 1). GPS L1 C/A and Galileo E1, with initial jamming Power: 0.316W Contact: Nicolai Gerrard (NKOM)	11:00-12:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
	11:45-12:00 - 2.1.10 Simulated driving (route 1), with initial jamming  Power: 0.316W  Contact: Nicolai Gerrard (NKOM)		
12:00	12:30-12:40 - 2.8.1 EGNOS with "Do Not Use GPS" commands Power: 1W Contact: Nicolai Gerrard (NKOM)  12:45-13:00 - 2.8.1 EGNOS with "Do Not Use GPS" commands Power: 1W Contact: Nicolai Gerrard (NKOM)	12:00-13:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
13:00	13:00-14:00 - 0.1.1 Grace period Comment: Lunch Contact: Christian Skjetne (NPRA)	13:00-14:00 - 0.1.1 Grace period Comment: Lunch @ Bleik (Site1) Contact: Christian Skjetne (NPRA)	

Table 3.1: Wednesday (Continued)

Wednesday			
2024-09-11	Bleik(1)	Grunnvatn(2)	Motorcade(3)
14:00	14:00-14:15 - 2.2.3 Position jump Power: 0.316W Contact: Nicolai Gerrard (NKOM)	14:00-15:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
	14:20-14:35 - 2.3.3 Small position jump Power: 0.316W Contact: Nicolai Gerrard (NKOM)		
	14:40-14:55 - 2.3.2 Small position jump with initial and continuous jamming  Power: 0.316W  Contact: Nicolai Gerrard (NKOM)		
15:00	15:25-15:35 - 2.3.8 Simulated driving (route 1). Galileo only Power: 0.316W Contact: Nicolai Gerrard (NKOM)	15:00-16:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
	15:40-15:50 - 2.3.5 Simulated driving (route 1). GPS only Power: 0.316W Contact: Nicolai Gerrard (NKOM)		
	15:55-16:05 - 2.3.9 Simulated driving (route 1). Galileo only, with initial and continuous jamming.  Power: 0.316W Contact: Nicolai Gerrard (NKOM)		

Table 3.1: Wednesday (Continued)

Wednesday			
2024-09-11	Bleik(1)	Grunnvatn(2)	Motorcade(3)
16:00	16:10-16:25 - 2.3.11 Simulated driving (route 1) with initial and continuous jamming.  Power: 0.316W Contact: Nicolai Gerrard (NKOM)	16:00-17:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
	16:55-17:05 - 2.3.12 Flying (route 4) - "drone scenario" GPS L1 C/A only Power: 0.316W Contact: Nicolai Gerrard (NKOM)		
17:00	17:10-17:20 - 2.3.13 Flying (route 4) - "drone scenario" Power: 0.316W Contact: Nicolai Gerrard (NKOM)	17:00-18:00 - 0.2.1  Jamming booking slot  Comment: Pre-booking required. Inform staff of required jammer equipment (see Appendix of test catalog)  Contact: Øystein Karlsen (NKOM)	
	17:30-17:40 - 2.3.15 Flying (route 2) - "helicopter scenario"  Power: 0.316W Contact: Nicolai Gerrard (NKOM)		
	17:45-18:00 - 2.3.15 Flying (route 2) - "helicopter scenario"		
	Power: 0.316W Contact: Nicolai Gerrard (NKOM)		
18:00	18:30-19:00 - 0.0.2  Mandatory afternoon (de)briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	18:30-19:00 - 0.0.2  Mandatory afternoon (de)briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	
19:00			
20:00			
21:00			
22:00			

## Thursday

Location 1 Bleik

Thursday will be used for time spoofing. During the evening there will be long time meaconing running untill 22:00.

Thursday			
2024-09-12	Bleik(1)	Grunnvatn(2)	Motorcade(3)
Start time:	08:00	08:00	08:00
08:00	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)
09:00	09:00-09:25 - 2.4.2 Time offset 15 minutes from real time, with power ramp Power: 0.0316W Contact: Nicolai Gerrard (NKOM)	09:00-10:00 - 1.20.10 3 jammers at 50 meters from center H1.1, H1.4 and H1.5 Power: 0.0592W Comment: Requires booking for drones Contact: Øystein Karlsen (NKOM)	
	09:40-09:55 - 2.4.3 Time offset -3 minutes from real time, with power jump Power: 0.0316W Contact: Nicolai Gerrard (NKOM)	Condett System Market (Mitom)	
10:00	10:10-10:25 - 2.4.12 Static + Pseudorange error Power: 0.0316W Contact: Nicolai Gerrard (NKOM)	10:30-11:30 - 1.20.11 3 jammers at 100 meters from center H1.1, H1.4 and H1.5 Power: 0.0592W	
	10:40-10:55 - 2.4.13 Static + Pseudorange error, with initial and continous jamming Power: 0.001W Contact: Nicolai Gerrard (NKOM)	Comment: Requires booking for drones Contact: Øystein Karlsen (NKOM)	
11:00	11:25-11:40 - 2.5.6 Time offset 15 minutes from real time Power: 0.001W Contact: Nicolai Gerrard (NKOM)		
	11:55-12:10 - 2.5.3 Time offset -3 minutes from real time, with power jump Power: 0.001W Contact: Nicolai Gerrard (NKOM)		

Table 4.1: Thursday (Continued)

Thursday			
2024-09-12	Bleik(1)	Grunnvatn(2)	Motorcade(3)
12:00	12:25-13:00 - 2.5.25 Static + UTC-parameter nav. data manipulation (adding leap seconds), with initial and continuous jamming  Power: 0.001W Contact: Nicolai Gerrard (NKOM)	12:00-13:00 - 1.20.12 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 Power: 0.0592W Comment: Requires booking for drones Contact: Øystein Karlsen (NKOM)	
13:00	13:00-14:00 - 0.1.1 Grace period Comment: Lunch Contact: Christian Skjetne (NPRA)	13:00-14:00 - 0.1.1 Grace period Comment: Lunch @ Bleik (Site1) Contact: Christian Skjetne (NPRA)	
14:00	14:00-14:15 - 2.5.5  Time offset 15 minutes from real time.  Galileo E1  Power: 0.0316W  Contact: Nicolai Gerrard (NKOM)	14:00-14:10 - 1.19.1 3 jammers at 50 meters from center S1.1, S1.2 and S1.3 Power: 0.171W Contact: Øystein Karlsen (NKOM)	
	14:20-14:35 - 2.5.4 Time offset 15 minutes from real time. GPS L1 C/A Power: 0.0316W Contact: Nicolai Gerrard (NKOM)	14:16-14:26 - 1.19.2 3 jammers at 100 meters from center S1.1, S1.2 and S1.3 Power: 0.171W Contact: Øystein Karlsen (NKOM)	
	14:40-14:55 - 2.5.6 Time offset 15 minutes from real time Power: 1e-05W Contact: Nicolai Gerrard (NKOM)	14:32-14:42 - 1.19.3 3 jammers at 150 meters from center S1.1, S1.2 and S1.3 Power: 0.171W Contact: Øystein Karlsen (NKOM)	
		14:48-14:58 - 1.19.4 3 jammers at 50 meters from center S2.1, S2.2 and S2.3 Power: 1.26W Contact: Øystein Karlsen (NKOM)	

Table 4.1: Thursday (Continued)

Thursday			
2024-09-12	Bleik(1)	Grunnvatn(2)	Motorcade(3)
15:00	15:25-15:40 - 2.5.13 Static + Pseudorange error. GPS L1 and Galileo E1 only Power: 0.001W Contact: Nicolai Gerrard (NKOM)  15:45-16:00 - 2.5.15 Static + Pseudorange error Power: 1e-05W Contact: Nicolai Gerrard (NKOM)	15:04-15:14 - 1.19.5 3 jammers at 100 meters from center S2.1, S2.2 and S2.3 Power: 1.26W Contact: Øystein Karlsen (NKOM)  15:20-15:30 - 1.19.6 3 jammers at 150 meters from center S2.1, S2.2 and S2.3 Power: 1.26W Contact: Øystein Karlsen (NKOM)  15:36-15:46 - 1.19.7 3 jammers at 50 meters from center U1.1, U1.2 and U1.3 Contact: Øystein Karlsen (NKOM)  15:52-16:02 - 1.19.8	
		3 jammers at 100 meters from center U1.1, U1.2 and U1.3	
		Contact: Øystein Karlsen (NKOM)	

Table 4.1: Thursday (Continued)

Thursday			
2024-09-12	Bleik(1)	Grunnvatn(2)	Motorcade(3)
16:00	16:15-16:40 - 2.5.16 Static + Pseudorange error, with initial and continuous jamming  Power: 1e-05W Contact: Nicolai Gerrard (NKOM)  16:55-17:20 - 2.5.26 Static + UTC-parameter nav. data manipulation (removing leap seconds).  GPS L1 C/A  Power: 1e-05W Contact: Nicolai Gerrard (NKOM)	16:08-16:18 - 1.19.9 3 jammers at 150 meters from center U1.1, U1.2 and U1.3 Contact: Øystein Karlsen (NKOM)	
		16:24-16:34 - 1.19.10 3 jammers at 50 meters from center H6.4, H6.5 and H6.6 Power: 1.58W Contact: Øystein Karlsen (NKOM)  16:40-16:50 - 1.19.11 3 jammers at 100 meters from center H6.4, H6.5 and H6.6 Power: 1.58W Contact: Øystein Karlsen (NKOM)  16:56-17:06 - 1.19.12 3 jammers at 150 meters from center H6.4, H6.5 and H6.6 Power: 1.58W Contact: Øystein Karlsen (NKOM)	
17:00	17:30-18:00 - 2.5.27 Static + UTC-parameter nav. data manipulation (removing leap seconds) Power: 1e-05W Contact: Nicolai Gerrard (NKOM)	17:12-17:22 - 1.19.13 3 jammers, H1.1, H1.4 and H1.5 LOW PWR, L1 sweep, L2 L1 sweep Power: 0.1W Contact: Øystein Karlsen (NKOM)  17:28-17:38 - 1.19.14 3 jammers at 100 meters from center H1.1, H1.4 and H1.5 Power: 0.1W Contact: Øystein Karlsen (NKOM)	
		17:44-17:54 - 1.19.15 3 jammers at 150 meters from center H1.1, H1.4 and H1.5 Power: 0.1W Contact: Øystein Karlsen (NKOM)	

Table 4.1: Thursday (Continued)

Thursday			
2024-09-12	Bleik(1)	Grunnvatn(2)	Motorcade(3)
18:00	18:30-19:00 - 0.0.2  Mandatory afternoon (de)briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	18:30-19:00 - 0.0.2  Mandatory afternoon (de)briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	
19:00	19:00-22:00 - 3.1.3 RX1 at 10 W  Power: 10W Contact: Nicolai Gerrard (NKOM)		
20:00			
21:00			
22:00			

## Friday

Location 1 Bleik

Friday will be used for time spoofing and testing with invalid ephemerides. Time after lunch will be used for tearing down and packing up equipment.

Table 5.1: Friday

Friday			
2024-09-13	Bleik(1)	Grunnvatn(2)	Motorcade(3)
Start time:	08:00	08:00	08:00
08:00	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY attendence at Bleik (Site 1)  Contact: Christian Skjetne (NPRA)	08:00-08:30 - 0.0.1  Mandatory morning briefing  Comment: MANDATORY  Contact: Christian Skjetne (NPRA)
09:00	09:00-09:25 - 2.7.12 Static + Time manipulation (2 years forwards), with power ramp Power: 0.0316W Contact: Nicolai Gerrard (NKOM)  09:55-10:25 - 2.7.16 Static + Time manipulation (April 2019), with initial and continuous jamming Power: 0.0316W Contact: Nicolai Gerrard (NKOM)	09:00-09:12 - 1.1.1  Jammer S1.1  Power: 0.0316W Contact: Øystein Karlsen (NKOM)  09:16-09:28 - 1.1.4  Jammer S2.1  Power: 0.1W Contact: Øystein Karlsen (NKOM)  09:32-09:44 - 1.1.8  Jammer U1.1  Contact: Øystein Karlsen (NKOM)  09:48-10:00 - 1.1.12  Jammer H1.1  Power: 0.1W Contact: Øystein Karlsen (NKOM)	

Table 5.1: Friday (Continued)

Friday			
2024-09-13	Bleik(1)	Grunnvatn(2)	Motorcade(3)
10:00	10:30-13:00 - 0.1.1  Grace period  Comment: Adhoc tests and repeat of previous tests Contact: Nicolai Gerrard (NKOM)	10:04-10:16 - 1.1.13 Jammer H1.2 Power: 0.0631W Contact: Øystein Karlsen (NKOM)	
		10:20-10:32 - 1.1.16  Jammer H3.1  Power: 0.1W  Contact: Øystein Karlsen (NKOM)	
		10:36-10:48 - 1.1.18  Jammer H3.3  Power: 1W  Contact: Øystein Karlsen (NKOM)	
		10:52-11:04 - 1.1.19  Jammer H4.1  Power: 0.631W  Contact: Øystein Karlsen (NKOM)	
11:00		11:08-11:20 - 1.1.20 Jammer H6.1 Power: 0.631W Contact: Øystein Karlsen (NKOM)	
		11:24-11:36 - 1.1.21  Jammer H6.2  Power: 1W  Contact: Øystein Karlsen (NKOM)	
		11:40-11:52 - 1.1.22 Jammer H6.3 Power: 1W Contact: Øystein Karlsen (NKOM)	
		11:56-12:08 - 1.1.23  Jammer H6.4  Power: 1W  Contact: Øystein Karlsen (NKOM)	

Table 5.1: Friday (Continued)

Friday			
2024-09-13	Bleik(1)	Grunnvatn(2)	Motorcade(3)
12:00		12:12-12:24 - 1.1.26  Jammer H8.1  Power: 0.631W  Contact: Øystein Karlsen (NKOM)	
		12:28-12:40 - 1.1.27  Jammer F6.1  Power: 6.31W  Contact: Øystein Karlsen (NKOM)	
		12:44-12:56 - 1.1.29  Jammer H2.1  Contact: Øystein Karlsen (NKOM)	
13:00	13:00-14:00 - 0.1.1 Grace period Comment: Lunch Contact: Christian Skjetne (NPRA)	13:00-14:00 - 0.1.1 Grace period Comment: Lunch @ Bleik (Site1) Contact: Christian Skjetne (NPRA)	
14:00	14:00-14:30 - 0.0.2  Mandatory afternoon (de)briefing  Comment: Summary briefing and closing of event  Contact: Christian Skjetne (NPRA)	14:00-14:30 - 0.0.2  Mandatory afternoon (de)briefing  Comment: Summary briefing and closing of event  @ Bleik (Site1)  Contact: Christian Skjetne (NPRA)	
15:00			
16:00			
17:00			
18:00			
19:00			
20:00			
21:00			
22:00			