Notification of frequency assignments

<u>Exercise 1</u>. You are requested to notify, for recording in the GE84 Plan, the frequency 98.1 MHz assigned to a sound broadcasting station in Jordan using parameters listed below. Create electronic notice using software Dcap_AN.

Site: SAWA (longitude: 035E4948 latitude: 32N0127)	Effective height at azimuth 150 = 306
Site altitude: 1000 m	Effective height at azimuth 160 = 310
Maximum effective height: 700 m	Effective height at azimuth 170 = 317
Radiated power = 42 dBW	Effective height at azimuth 180 = 336
Antenna height = 244 m	Effective height at azimuth 190 = 429
Polarization = H	Effective height at azimuth 200 = 420
Non directive antenna	Effective height at azimuth 210 = 482
Effective height at azimuth 0 = 641	Effective height at azimuth 220 = 422
Effective height at azimuth 10 = 600	Effective height at azimuth 230 = 527
Effective height at azimuth 20 = 564	Effective height at azimuth 240 = 650
Effective height at azimuth 30 = 505	Effective height at azimuth 250 = 572
Effective height at azimuth 40 = 387	Effective height at azimuth 260 = 519
Effective height at azimuth 50 = 359	Effective height at azimuth 270 = 444
Effective height at azimuth 60 = 336	Effective height at azimuth 280 = 400
Effective height at azimuth 70 = 321	Effective height at azimuth 290 = 363
Effective height at azimuth 80 = 351	Effective height at azimuth 300 = 368
Effective height at azimuth 90 = 357	Effective height at azimuth 310 = 379
Effective height at azimuth 100 = 353	Effective height at azimuth 320 = 491
Effective height at azimuth 110 = 335	Effective height at azimuth 330 = 545
Effective height at azimuth 120 = 327	Effective height at azimuth 340 = 584
Effective height at azimuth 130 = 341	Effective height at azimuth 350 = 700
Effective height at azimuth 140 = 332	

<u>Exercise 2</u>. You are requested to notify, for recording in the Master Register, the frequency 506 MHz assigned to a television broadcasting station in Indonesia using parameters listed below. Create electronic notice using software Dcap_AN.

Site: BATAM (longitude: 103E5712 latitude: 01N0712)	Effective height at azimuth 140 = 164
Date of bringing into use: 01.01.1995	Effective height at azimuth 150 = 167
Site altitude: 59 m	Effective height at azimuth 160 = 181
Maximum effective height: 209 m	Effective height at azimuth 170 = 177
Radiated power = 32 dBW	Effective height at azimuth 180 = 184
Antenna height = 150 m	Effective height at azimuth 190 = 188
Polarization = H	Effective height at azimuth 200 = 195
Non directive antenna	Effective height at azimuth 210 = 199
Effective height at azimuth 0 = 209	Effective height at azimuth 220 = 202
Effective height at azimuth 10 = 209	Effective height at azimuth 230 = 195
Effective height at azimuth 20 = 209	Effective height at azimuth 240 = 205
Effective height at azimuth 30 = 209	Effective height at azimuth 250 = 208
Effective height at azimuth 40 = 207	Effective height at azimuth 260 = 208
Effective height at azimuth 50 = 199	Effective height at azimuth 270 = 206
Effective height at azimuth 60 = 197	Effective height at azimuth 280 = 208
Effective height at azimuth 70 = 192	Effective height at azimuth 290 = 208
Effective height at azimuth 80 = 185	Effective height at azimuth 300 = 208
Effective height at azimuth 90 = 184	Effective height at azimuth 310 = 208
Effective height at azimuth 100 = 170	Effective height at azimuth 320 = 208
Effective height at azimuth 110 = 166	Effective height at azimuth 330 = 209
Effective height at azimuth 120 = 158	Effective height at azimuth 340 = 209
Effective height at azimuth 130 = 138	Effective height at azimuth 350 = 209

Exercise 3. You are requested to notify frequency 12.8632 GHz used between SAENTIS and ARBON in Switzerland using parameters listed below. Create electronic notice using software FXM_Dcap.

Site of the transmitting station: SAENTIS (longitude: 009E2037 latitude: 47N1502)
Site altitude: 2488 m
Date of bringing into service: 17.03.1998
Emission: G3F
Necessary Bandwidth: 105M
Power to the antenna: -16 dBW
Azimuth: 10.2 ^{o}
Beamwidth: 1 ^{o}
Antenna gain: 45 dB
Elevation angle: -1 ^{o}
Polarization: V
Antenna height: 10 m
Site of the receiving station: ARBON (longitude: 009E2523 latitude: 47N3045)
Coordinated successfully with Austria, Germany and France

Exercise 4. You are requested to notify the frequency 463.650 MHz assigned to a base station located in Mexico using parameters listed below. Create electronic notice using software FXM_Dcap.

Site of the base station: CARRET (longitude: 098W5809 latitude: 19N2107)
Site altitude: 2282 m
Date of bringing into service: 17.03.1998
Emission: F3E
Necessary Bandwidth: 16K0
Power to the antenna: 20 dBW
Non directive antenna
Antenna gain: 7 dB
Radius of the circular receiving area: 50 km
Centre of the circular receiving area: longitude: 098W5809 latitude: 19N2107

Exercise 5. You are requested to notify the frequency 819.5375 MHz assigned to a mobile station located in Malaysia using parameters listed below. Create electronic notice using software FXM_Dcap.

Site of the receiving station: PELABUHAN (longitude: 103E3500 latitude: 01N5000)
Date of bringing into service: 17.03.2002
Emission: F3E
Necessary Bandwidth: 25K0
Power to the antenna: 14 dBW
Radius of the circular area: 20 km
Centre of the circular transmitting area: longitude: 103E3500 latitude: 01N5000

Exercise 6. You are requested to notify frequency 935.2 MHz used by several base stations of a GSM network in France using parameters listed below. Create electronic notice using software FXM_Dcap.

Date of bringing into service: 12.11.1994
Emission: G7W
Necessary Bandwidth: 200K
Power to the antenna: 14.9 dBW
Radiated power: 14.9 dBW