**Exercise 1**
**Create electronic notice for a digital DVB-T assignment requirement**

Administration: IRL
Geographical area: IRL
Site: Three Rock (lat. 53°14’49”N long: 6°14’11”W)
Admin. Identifier: FFFFB
Site altitude: 448.32m
Antenna height above ground level = 139.97m
Maximum effective height: 487m
ERP = 10 kW
Acceptable Channels = 23
Polarization = H
Directional antenna
Fixed reception mode
Modulation 64QAM
Code rate 2/3
Number of carriers 8k
Guard interval: 1/4
Spectrum Mask: Non critical
TX in SFN: IRL SE 23
Relative timing in SFN 35 uS
effective height at azimuth 0 = 475
effective height at azimuth 10 = 479
effective height at azimuth 20 = 484
effective height at azimuth 30 = 487
effective height at azimuth 40 = 487
effective height at azimuth 50 = 482
effective height at azimuth 60 = 480
effective height at azimuth 70 = 471
effective height at azimuth 80 = 477
effective height at azimuth 90 = 479
effective height at azimuth 100 = 468
effective height at azimuth 110 = 457
effective height at azimuth 120 = 418
effective height at azimuth 130 = 394
effective height at azimuth 140 = 346
effective height at azimuth 150 = 267
effective height at azimuth 160 = 258
effective height at azimuth 170 = 197
effective height at azimuth 180 = 82
effective height at azimuth 190 = 72
effective height at azimuth 200 = 34
effective height at azimuth 210 = 62
effective height at azimuth 220 = 34
effective height at azimuth 230 = 43
effective height at azimuth 240 = 65
effective height at azimuth 250 = 80
effective height at azimuth 260 = 182
effective height at azimuth 270 = 216
effective height at azimuth 280 = 324
effective height at azimuth 290 = 389
effective height at azimuth 300 = 406
effective height at azimuth 310 = 433
effective height at azimuth 320 = 452
effective height at azimuth 330 = 464
effective height at azimuth 340 = 472
effective height at azimuth 350 = 478
attenuation at azimuth 0 = 0
attenuation at azimuth 10 = 3
attenuation at azimuth 20 = 3
attenuation at azimuth 30 = 3
attenuation at azimuth 40 = 6
attenuation at azimuth 50 = 6
attenuation at azimuth 60 = 8
attenuation at azimuth 70 = 8
attenuation at azimuth 80 = 8
attenuation at azimuth 90 = 8
attenuation at azimuth 100 = 0
attenuation at azimuth 110 = 0
attenuation at azimuth 120 = 0
attenuation at azimuth 130 = 0
attenuation at azimuth 140 = 0
attenuation at azimuth 150 = 0
attenuation at azimuth 160 = 0
attenuation at azimuth 170 = 0
attenuation at azimuth 180 = 0
attenuation at azimuth 190 = 0
attenuation at azimuth 200 = 0
attenuation at azimuth 210 = 0
attenuation at azimuth 220 = 0
attenuation at azimuth 230 = 0
attenuation at azimuth 240 = 0
attenuation at azimuth 250 = 0
attenuation at azimuth 260 = 0
attenuation at azimuth 270 = 0
attenuation at azimuth 280 = 0
attenuation at azimuth 290 = 0
attenuation at azimuth 300 = 0
attenuation at azimuth 310 = 0
attenuation at azimuth 320 = 3
attenuation at azimuth 330 = 3
attenuation at azimuth 340 = 3
attenuation at azimuth 350 = 0

This digital assignment is converted from the analogue assignment Three Rock Mountain on ch.23 (490 MHz, 6°14’W 53°15’N)

Coordinated successfully with United Kingdom

**Exercise 2**
**Create electronic notice for a digital T-DAB assignment requirement**

Administration: IRL
Geographical area: IRL
Site: Three Rock Mountain (latitude 53°14’49”N longitude: 6°14’11”W)
Admin. Identifier: IRL 11B
Site altitude: 448.32m
Antenna height above ground level = 120.24m
Maximum effective height: 467m
ERP = 8 kW
Acceptable Channels = 11B
Polarization = V
Directional antenna
Portable indoor reception mode
Spectrum Mask: 1
TX in SFN: IRL 11B DUBLIN
Relative timing in SFN 825 uS
effective height at azimuth 0 = 455
effective height at azimuth 10 = 459
effective height at azimuth 20 = 464
effective height at azimuth 30 = 467
effective height at azimuth 40 = 467
effective height at azimuth 50 = 462
effective height at azimuth 60 = 460
effective height at azimuth 70 = 451
effective height at azimuth 80 = 457
effective height at azimuth 90 = 459
effective height at azimuth 100 = 448
effective height at azimuth 110 = 437
effective height at azimuth 120 = 398
effective height at azimuth 130 = 374
effective height at azimuth 140 = 326
effective height at azimuth 150 = 247
effective height at azimuth 160 = 238
effective height at azimuth 170 = 177
effective height at azimuth 180 = 62
effective height at azimuth 190 = 52
effective height at azimuth 200 = 14
effective height at azimuth 210 = 42
effective height at azimuth 220 = 14
effective height at azimuth 230 = 23
effective height at azimuth 240 = 45
effective height at azimuth 250 = 60
effective height at azimuth 260 = 162
effective height at azimuth 270 = 196
effective height at azimuth 280 = 304
effective height at azimuth 290 = 369
effective height at azimuth 300 = 386
effective height at azimuth 310 = 413
effective height at azimuth 320 = 432
effective height at azimuth 330 = 444
effective height at azimuth 340 = 452
effective height at azimuth 350 = 458
attenuation at azimuth 0 = 0
attenuation at azimuth 10 = 0
attenuation at azimuth 20 = 0
attenuation at azimuth 30 = 12
attenuation at azimuth 40 = 12
attenuation at azimuth 50 = 12
attenuation at azimuth 60 = 12
attenuation at azimuth 70 = 12
attenuation at azimuth 80 = 12
attenuation at azimuth 90 = 12
attenuation at azimuth 100 = 12
attenuation at azimuth 110 = 12
attenuation at azimuth 120 = 12
attenuation at azimuth 130 = 12
attenuation at azimuth 140 = 12
attenuation at azimuth 150 = 12
attenuation at azimuth 160 = 12
attenuation at azimuth 170 = 12
attenuation at azimuth 180 = 12
attenuation at azimuth 190 = 12
attenuation at azimuth 200 = 12
attenuation at azimuth 210 = 12
attenuation at azimuth 220 = 12
attenuation at azimuth 230 = 12
attenuation at azimuth 240 = 12
attenuation at azimuth 250 = 12
attenuation at azimuth 260 = 12
attenuation at azimuth 270 = 12
attenuation at azimuth 280 = 0
attenuation at azimuth 290 = 0
attenuation at azimuth 300 = 0
attenuation at azimuth 310 = 0
attenuation at azimuth 320 = 0
attenuation at azimuth 330 = 0
attenuation at azimuth 340 = 0
attenuation at azimuth 350 = 0

Coordinated successfully with United Kingdom

**Exercise 3**
**Create electronic notice for two sub allotment areas**
adm : IRL
ctry : IRL
contour ID: 3
t_point 1: 008W0700, 52N1100
t_point 2: 008W1000, 51N4700
t_point 3: 007W5000, 51N5700
t_point 4: 006W5600, 52N0700
t_point 5: 007W0000, 52N1700
t_point 6: 007W2500, 52N2000
t_point 7: 007W4800, 52N2000
t_point 8: 007W4400, 52N1300
t_point 9: 007W5800, 52N1400
ctry : IRL
contour ID: 4
t_point 1: 008W5800, 53N2300
t_point 2: 008W1900, 52N5900
t_point 3: 008W4100, 52N2300
t_point 4: 008W5800, 52N1900
t_point 5: 009W0800, 52N2100
t_point 6: 009W1800, 52N2300
t_point 7: 009W2100, 52N3600
t_point 8: 009W4100, 52N3500
t_point 9: 009W5600, 52N3400
t_point 10: 009W5200, 53N0900
t_point 11: 010W1800, 53N3600
t_point 12: 009W5200, 53N3800

**Exercise 4**
**Create electronic notice for two DVB-T allotment requirements**
Adm: IRL
Country: IRL
1.
Allotment name: CH 60SMOD
Reference Planning Configuration: Fixed reception
Reference network: large SFN
SFN Identification: 60S MOD
Adm reference ID: IRL60SMOD
Polarisation: mixed
Number of sub areas: 2
Contour ID: 3,4
Acceptable channels: 60
Spectrum Mask: Non critical
This digital assignment is converted from the analogue assignment ch.60 (786 MHz, 9°08'W 51°59'N)
Coordinated successfully with United Kingdom
2.
Allotment name:CH 26 SE REGIONAL
Reference Planning Configuration: Fixed reception
Reference network: large SFN
SFN Identification: 26SE REG
Adm reference ID: IRL26SEREG
Polarisation: horizontal
Number of sub areas: 1
Contour ID: 4
Acceptable channels: 514 MHz
This digital assignment is converted from the analogue assignment ch.26 (514 MHz, 6°46'W 52°37'N)
Coordinated successfully with United Kingdom

**Exercise 5**
**Create electronic notice for two T-DAB allotment requirements**
Adm: IRL
Country: IRL
1.
Allotment name: IRELAND 1
Reference Planning Configuration: Portable indoor
Reference network: RN6
SFN Identification: IRL12C
Adm ID: IRELAND 12C
Polarisation: vertical
Allotment area: territory of the country
Acceptable frequency blocks: 12C
Spectrum Mask: Non critical
Coordinated successfully with United Kingdom
2.
Allotment name: WATERFORD COUNTY
Reference Planning Configuration: Fixed reception
Reference network: large RN6
SFN Identification: IRL 12D WATERFORD
Adm reference ID: 12D WATERFORD
Polarisation: vertical
Number of sub areas: 1
Contour ID: 3
Acceptable frequency blocks: 12D
Coordinated successfully with United Kingdom