Details of Threshold processing

EIRP Description: Superfire HL58 Headlamp 100kHz
Date: 2025-05-14 11:38:25.322066

Flags Set:

Plot SARAS: 1
Plot SKA Threshold: 0
Attenuation Profile Used: 0
Calculate and Plot CISPR-22B: 0
Calculate and Plot Adjusted CISPR-22B: 0
Calculate and plot FCC15B: 0
Plot Seperate EIRP and E-Field: 0
Plot Combined EIRP and E-Field: 1
Plot C-BASS Threshold: 0
Calculate and plot FCC15A: 0
Saturation Check: True

Parameters:

E-Field Distance: 3.0
Nearest MeerKAT or SKA Antenna: 100
Constant Attenuation Added: 0

Input Files:

G:/Shared drives/RFI team/Analysis/Photogrammetry/Additional EIRPs/Superfire_HL58_Headlamp_100kHz_EIRP.csv

Saturation Check Outcomes:

Saturation Threshold: -80 dBm
Total Power in UHF Band: -134.815 dBm
Total Power in L Band: -131.499 dBm
UHF Band Outcome: PASS by 54.815 dB
L Band Outcome: PASS by 51.499 dB

Percentage RFI Calculation Outcomes:

The percentage RFI for Superfire HL58 Headlamp 100kHz with 0 dB device atten at 100 m using the ITU-R P.1546-6 Model is:
UHF band-> 0%
L band-> 0%
S0 band-> 0%
S1 band-> 0%
S2 band-> 0%
S3 band-> 0%
S4 band-> 0%

Measurement uncertainty per band:

UHF band-> 22 dB
L band-> 25 dB
S0 band-> 29 dB
S1 band-> 30 dB
S2 band-> 29 dB
S3 band-> 30 dB

S4 band-> 30 dB