Details of Threshold processing

EIRP Description: ALS Bakkie CAA567123 100kHz
Date: 2025-05-14 11:35:46.215269

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/ALS_Bakkie_CAA567123_100kHz_EIRP.csv

Saturation Check Outcomes:

Saturation Threshold: -80 dBm
Total Power in UHF Band: -100.724 dBm
Total Power in L Band: -113.17 dBm
UHF Band Outcome: PASS by 20.724 dB
L Band Outcome: PASS by 33.17 dB

Percentage RFI Calculation Outcomes:

The percentage RFI for ALS Bakkie CAA567123 100kHz with 0 dB device atten at 100 m using the ITU-R P.1546-6 Model is:
UHF band-> 1%
L band-> 2%
S0 band-> 0%
S1 band-> 0%
S2 band-> 0%
S3 band-> 1%
S4 band-> 4%

Measurement uncertainty per band:

UHF band-> 41 dB
L band-> 44 dB
S0 band-> 46 dB
S1 band-> 45 dB
S2 band-> 45 dB
S3 band-> 45 dB

S4 band-> 45 dB