

REQUEST FOR INFO - FILE #0061-EX-CN-2018
REFERENCE # : 41897

FCC,

To answer your question as to why the X - (All cases not covered above) emission designator was selected is due to it being RADAR. I assumed that the use of radio waves did not fall under under N-(None) emission designator but if i am incorrect on this we will want to change to an N-(None) emission designator.

As for our requested antenna frequency band and bandwidth we are requesting our bandwidth be updated to 120 MHz and frequency to 20 - 140 MHz, which has been confirmed by the manufacture.

GPR SPECS:

Antenna Model SE-70
Size 139X15X21 cm
Weight: 3.3 Kg
Frequency: 80MHZ (RDP=9)

PARTICULARS OF OPERATION:

Transmitter Output: 80 mw
Bandwidth: 120 MHZ
Lower Frequency: 20M Hz
Upper Frequency: 100 MHz
Peak Power to antenna terminals: 12 dBW
ERP (Effective Radiated Power): Antenna efficiency not measured
Mean power to the antenna terminals: -12 dBW
Frequency Tolerance: UWB, see F-upper and F-lower above (Mean 75%)

EMISSION DETAILS:

Modulating Signal: There is no modulation as such. The waveform to the antenna is a single sine wave cycle of ca 45 MHz at a PRF of 156KHz with +/- 3ns jitter for EMC reduction

Necessary Bandwidth: See above

Spectrum to antenna terminals:
(Reference **Antenna Scope Picture**)

Span: 0 to 200 MHz RBW: 120KHz

Let me know if you require any additional data or site information.

Thanks

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