>> test_class

Evaluation Form DIAG Outputs		
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Label	Value	Units
Range BS - Near	7.687452E+00	km
Range BS - Mid	7.778619E+00	km
Range BS - Far	7.872770E+00	km
Pulse Range Rez - Near	1.973402E+01	m
Pulse Range Rez - Mid	1.956756E+01	m
Pulse Range Rez - Far	1.940581E+01	m
Pulse Azimuth Rez - Near	6.145707E+01	m
Pulse Azimuth Rez - Mid	6.218590E+01	m
Pulse Azimuth Rez - Far	6.293859E+01	m
Pulse IFOV - Near	1.212795E+03	m^2
Pulse IFOV - Mid	1.216827E+03	m^2
Pulse IFOV - Far	1.221374E+03	m^2
BS Tgt. Xsect Near	1.040361E+01	m^2
BS Tgt. Xsect Mid	1.042190E+01	m^2
BS Tgt. Xsect Far	1.043225E+01	m^2
Clutter Eff. Xsect Near	2.220363E+01	m^2
Clutter Eff. Xsect Mid	2.184157E+01	m^2
Clutter Eff. Xsect Far	2.151010E+01	m^2
T/C - Near	-3.292398	dB
T/C - Mid	-3.213368	dB
T/C - Far	-3.142645	dB
T/N - Near	8.786462	dB
T/N - Mid	8.552822	dB
T/N - Far	8.310468	dB
Cltr/N - Near	12.078860	dB
Cltr/N - Mid	11.766190	dB
Cltr/N - Far	11.453113	dB
T/(C+N) - Near	-3.553481	dB
T/(C+N) - Mid	-3.493326	dB
T/(C+N) - Far	-3.442822	dB
TOT	1.017887E-03	s
POT	305.000000	pulses
P det 1Look - Near	0.769707	prob
P det 1Look - Mid	0.791807	prob
P det 1Look - Far	0.809456	prob
P det (2 of 4) - Near	0.959584	prob
P det (2 of 4) - Mid	0.969540	prob
P det (2 of 4) - Far	0.976282	
_	6.343802E+01	prob
Doppler Precision W/C - Near Doppler Precision W/C - Mid	6.516758E+01	Hz
		Hz
Doppler Precision W/C - Far	6.701149E+01	Hz
Nyquist Reqd. for Doppler Max - Near	7.981142E+04	Hz
Nyquist Reqd. for Doppler Max - Mid	8.049035E+04	Hz

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Nyquist Reqd. for Doppler Max - Far 8.116125E+04
                                                                 Ηz
                                       2.419026E+02
Ant. FP. Length
Ant. Scan Overlap
                                            0.894356
                                                                pct
                                        1.145123E+00
B elev
                                                                 deg
                                        4.580491E-01
B azim
                                                                deg
Radar Xfactor - Near
                                           23.897732
                                                                 dB
Radar Xfactor - Mid
                                           23.861265
                                                                  dB
Radar Xfactor - Far
                                           23.823605
                                                                  dВ
Warning: Min Reqd. Spin Rate is +0.487 dB from DrJ value. This calculation and \checkmark
dependent functions may yield inaccurate results!
> In UAVRadarModel.get.min spin rate supported (line 2093)
In UAVRadarModel/dump_eval_outputs (line 693)
In test class (line 48)
Warning: DrJ 20240312 Eval returned a T warn of 0.0sec. Need more input checks to \checkmark
confirm validity of this function.
> In UAVRadarModel.get.t warn (line 1460)
In UAVRadarModel/dump eval outputs (line 697)
In test class (line 48)
```

Evaluation Form EVAL Outputs

Value	Units
2.415084E+01	km
1.000000E-07	S
2.000000E-01	m
5.000000E-01	m
4.057256E+01	deg
4.057256E+01	deg
8.088622E+05	Hz
3.000000E+05	Hz
3.000000E+01	spins/fa
7.500000E+01	rpm
4.000000E+00	scans
9.706627E+01	rpm
6.673437E+01	S
3.000000E-02	1
1.940581E+01	m
6.293859E+01	m
7.697069E-01	1
7.918072E-01	1
8.094560E-01	1
4.071548E-03	S
8.116125E+04	Нz
4.058062E+04	Hz
6.701149E+01	Hz
	2.415084E+01 1.000000E-07 2.000000E-01 5.000000E-01 4.057256E+01 4.057256E+01 8.088622E+05 3.000000E+05 3.000000E+01 7.500000E+01 4.00000E+01 4.00000E+01 3.00000E+01 3.00000E+01 6.673437E+01 3.00000E-02 1.940581E+01 6.293859E+01 7.697069E-01 7.918072E-01

Warning: Model does not yet account for atmospheric losses or cloud effects.

> In test class (line 50)

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______
Requirements Check
_____
Warning: Couldn't find a spec to eval pulse width against!
> In UAVRadarModel.get.requirements check (line 2126)
In test class (line 56)
Warning: Min Reqd. Spin Rate is +0.487 dB from DrJ value. This calculation and ✓
dependent functions may yield inaccurate results!
> In UAVRadarModel.get.min spin rate supported (line 2093)
In UAVRadarModel.get.requirements check (line 2178)
In test_class (line 56)
Warning: DrJ 20240312 Eval returned a T warn of 0.0sec. Need more input checks to 🗸
confirm validity of this function.
> In UAVRadarModel.get.t warn (line 1460)
In UAVRadarModel.get.requirements check (line 2185)
In test class (line 56)
  dictionary (string \mapsto uint8) with 21 entries:
                                             \longrightarrow 1
    "swath width"
                                             \longrightarrow 1
    "ant dim azim"
    "ant dim elev"
                                           \longrightarrow 1
    "ant bs grazing ang far"
                                           \longrightarrow 1
    "prf_compat_with_delta_range"
                                           \longrightarrow 1
    "tfa tspin ratio"
                                             → 1
                                             \longrightarrow 1
    "ant spin rate"
    "scan qty on tgt intent"
                                             \longrightarrow 1
    "ant_spin_rate_ensures_nomissedtgt" \mapsto 0
    "t warn"
                                             \longrightarrow 1
    "tx_duty_cycle_search"
    "tx duty_cycle_doppler"
                                           \longrightarrow 1
    "fov range gate"
                                            \longrightarrow 1
    "fov azimuth"
                                           \longrightarrow 1
                                            \longrightarrow 1
    "p det for tot near"
    "p det for tot mid"
                                           \longrightarrow 1
    "p det_for_tot_far"
                                            \longrightarrow 1
                                           \mapsto 1
    "tx prf"
                                           \mapsto 1
    "prf meets nyquist wc"
    "doppler_precision"
                                           \longrightarrow 1
                                           \mapsto 1
    "tx power"
=========
Goals Check
========
Warning: DrJ 20240312 Eval returned a T warn of 0.0sec. Need more input checks to 🗸
confirm validity of this function.
> In UAVRadarModel.get.t warn (line 1460)
In UAVRadarModel.get.goals check (line 2325)
In test class (line 61)
  dictionary (string \mapsto single) with 9 entries:
```