```
RCAm N056|                    2 1 1       1 1 1 4 4 4   2 1 3 4 4 7
7 7 2 5 4 6 7 7
RCAo N057|                    1               1 4 2 2       1 1 4 7
5 5   3 1 4 4 7
RCAm N058|                    2 2 2       1 1 1 5 5 5   2 1 4 4 4 8
7 7 3 5 4 7 7 7
RCAo N059|
1
RCAo N060|                                                          2
2 2 1 1 2 2 2 2
RCA+ N061|
RCA+ N062|                                                        1 3
3 3 2 2 3 3 3 3
SBSo N063|                                                          1
1
SBS& N064|                                                          1
1 1
SBSo N065|                                                          1
1
SBS& N066|                                                          1
1 1
SBSo N067|                                  1                     1 4
2 2   1   2 2 4
SBS& N068|                                  1 1 1                   3
3 3   1   2 3 2
SBSu N069|                                                          1
1 1         1 1
SBS+ N070|
SCHL N071|
SCHL N072|                                                          2
2 2   1 1 1 2 3
```

Table C-23a (continued): Results for Full & Dual Wideband Digital Carriers interfering into Generic systems (2° Spacing)

Matrix shows combinations failing to meet single entry interference objective by "X" dB.

```
          |  INTERFERING LINK* -->
          |0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1
          |6 6 6 6 6 6 6 6 6 0 0 0 0 0 0 0 0 0 3 3 3 3 3 3 3 3 3 6
6 6 6 6 6 6 6 6
 WANTED   |F F F M M M M M M F F F M M M M M M F F F M M M M M M F
F F M M M M M M
  LINK    |1 2 3 1 1 2 2 3 3 1 2 3 1 1 2 2 3 3 1 2 3 1 1 2 2 3 3 1
2 3 1 1 2 2 3 3
---------+-------------------------------------------------------
------------------
SCHL N073|                   1 1 1 1 1 1 1 2 1 4 4 4 4 3 4 4 5 4 7
7 7 7 6 7 7 8 7
SCHL N074|                                     1 1 1 1 1 1 1 1 1 4
4 4 3 2 4 3 4 3
SPCo N075|                                     1               1 3
2 2       1 1 4
SPC& N076|                                                       1
1
SPC+ N077|                                                       1
1 1 1 1 1 1 2 2
SPC+ N078|                                     1               2 4
1 1   1   1   5
SPC+ N079|                   1 1 1         1 1 4 3 3   1 1 2 3 3 7
6 6 1 4 3 5 6 6
SPC+ N080|                                                       2
1 1       1 1 2
SPC+ N081|                                     1 1 1 1 1 1 1 2 2 4
4 4 3 4 4 4 4 4
WUc+ N082|                                     1               2 4
3 3   1   2 2 5
WUc+ N083|
WUc+ N084|                                                       2
2
WUc+ N085|                                                       3
2 2   1   1 2 2
WUc+ N086|                                     1 1 1           2 4
2 2   1   2 2 4
WUcu N087|                   1               1 2 1 1       1 1 3 5
4 4   1   3 3 5
WUc+ N088|                                                       1
1 1 1 1 1 1 2 1
WUc+ N089|
1 1
WUc+ N090|                                     1 1 1 1 1 1 1 1 1 3
3 3 3 3 3 3 4 4
```

```
WUc+ N091|                                                                1
1 1 1 1 1 1 1 1
A12K N092|                    1 1 1           1 4 4 4   1   3 3 4 7
7 7 1 4 3 6 6 7
A12K N093|1 1 1         1 1 2 2 2 1 1 2 1 2 2 4 4 4 3 3 4 3 4 4 6
6 6 5 5 6 6 6 6
A12K N094|                                    1 1 1           1 4
3 3   1   3 2 4
A12K N095|
A12K N096|1 1 1     1   1   3 3 3 3   3   4 1 6 6 6 5   6 2 6 4 9
9 9 8 1 9 5 9 6
A12K N097|2 2 2 2 2 2 2 3 2 4 4 4 3 4 4 4 4 4 6 6 6 5 5 6 6 6 6 8
8 8 8 8 8 8 8 8
LOT8 N098|
LOT8 N099|                                                            1
1
LOT8 N100|                                                        1 1 2
2 2 2 2 2 2 3 3
LOT8 N101|              1 1               1 1                       1 1 1
1 1     1 1 1 1
PAS  N102|                                                            1
1
PAS  N103|                    1               1 3 2 2       1 1 3 5
5 5   2 1 4 4 5
PAS  N104|                                1 1 2 2 2 2 2 2 2 3 3 5
5 5 5 5 5 5 5 5
PAS  N105|              1 1 3 3 3 2 2 3 3 3 3 5 5 5 5 5 5 5 5 5 8
8 8 7 8 8 8 8 8
PAS  N106|                    1 1 1 1 1 1 1 2 2 4 4 4 3 4 4 4 4 4 7
7 7 6 6 7 7 7 7
PAS  N107|1 1 1 1   1 1 1 1 4 4 4 3 3 4 3 4 3 6 6 6 6 5 6 6 6 6 9
9 9 8 8 9 9 9 8
```

* Desired link labels start with "xx" where "xx" is the downlink EIRP density for the link. Thus "06F1", "10F1", "13F1", and "16F1" have 6, 10, 13, and 16 dBW/4kHz downlink EIRP densities, respectively.

Table C-23b: Details for Full & Dual Wideband Digital Carriers (10 dBW/4kHz) interfering into Generic systems

Interfering Signal (see table C-5)	Desired Signal (see table C-3)	C/I_u (dB)	C/I_d (dB)	C/I_t (dB)	S.E. Objective (dB)	Margin (dB)
10F1	N003	28.1	**24.1**	22.7	23.0	**-0.3**
10F2	N003	28.4	24.4	23.0	23.0	0.0
10F3	N003	28.4	24.4	23.0	23.0	0.0
10M3 (1 carr.)	N003	28.4	24.5	23.0	23.0	0.0
10M3 (2 carr.)	N003	28.0	**24.1**	22.6	23.0	**-0.4**
10F1	N035	32.5	**25.7**	24.8	24.9	**-0.1**
10M3 (2 carr.)	N035	32.4	25.7	24.9	24.9	0.0
10F1	N037	33.4	**22.1**	21.8	23.7	**-1.9**
10F2	N037	33.3	**22.0**	21.7	23.7	**-2.0**
10F3	N037	33.3	**22.0**	21.7	23.7	**-2.0**
10M1 (1 carr.)	N037	33.9	**22.6**	22.3	23.7	**-1.4**
10M1 (2 carr.)	N037	33.7	**22.4**	22.1	23.7	**-1.6**
10M2 (1 carr.)	N037	33.5	**22.2**	21.8	23.7	**-1.8**
10M2 (2 carr.)	N037	33.4	**22.1**	21.8	23.7	**-1.9**
10M3 (1 carr.)	N037	33.0	**21.8**	21.5	23.7	**-2.2**
10M3 (2 carr.)	N037	33.0	**21.8**	21.5	23.7	**-2.2**
10M3 (2 carr.)	N040	28.4	29.7	26.0	26.0	0.0
10F1	N045	32.8	**19.0**	18.9	19.5	**-0.6**
10F2	N045	32.8	**19.0**	18.8	19.5	**-0.7**
10F3	N045	32.8	**19.0**	18.8	19.5	**-0.7**
10M1 (1 carr.)	N045	33.3	**19.5**	19.4	19.5	**-0.1**
10M1 (2 carr.)	N045	33.2	**19.4**	19.2	19.5	**-0.3**
10M2 (1 carr.)	N045	32.9	**19.1**	18.9	19.5	**-0.5**
10M2 (2 carr.)	N045	32.8	**19.0**	18.8	19.5	**-0.6**
10M3 (1 carr.)	N045	32.4	**18.7**	18.6	19.5	**-0.9**
10M3 (2 carr.)	N045	32.4	**18.7**	18.5	19.5	**-0.9**
10M3 (1 carr.)	N046	31.2	**19.5**	19.3	19.5	**-0.2**
10M3 (2 carr.)	N046	31.2	**19.5**	19.2	19.5	**-0.2**
10F1	N052	31.3 C/I / 68.0 S/I	**26.6 C/I / 63.3 S/I**	25.3 C/I / 62.0 S/I	25.4 C/I / 62.1 S/I	**-0.1**
10M3 (2 carr.)	N052	30.7 C/I / 67.4 S/I	**26.1 C/I / 62.8 S/I**	24.8 C/I / 61.5 S/I	25.4 C/I / 62.1 S/I	**-0.6**
10F1	N053	30.2 C/I / 66.9 S/I	**25.5 C/I / 62.2 S/I**	24.3 C/I / 61.0 S/I	25.4 C/I / 62.1 S/I	**-1.1**
10F2	N053	30.6 C/I / 67.3 S/I	**25.9 C/I / 62.6 S/I**	24.7 C/I / 61.4 S/I	25.4 C/I / 62.1 S/I	**-0.7**

10F3	N053	30.6 C/I / 67.3 S/I	**25.9 C/I / 62.6 S/I**	24.7 C/I / 61.4 S/I	25.4 C/I / 62.1 S/I	**-0.7**
10M3 (1 carr.)	N053	30.7 C/I / 67.4 S/I	**26.1 C/I / 62.8 S/I**	24.8 C/I / 61.5 S/I	25.4 C/I / 62.1 S/I	**-0.6**
10M3 (2 carr.)	N053	31.0 C/I / 67.7 S/I	**26.4 C/I / 63.1 S/I**	25.1 C/I / 61.8 S/I	25.4 C/I / 62.1 S/I	**-0.3**
10F1	N056	39.1 C/I / 74.3 S/I	**20.0 C/I / 55.2 S/I**	20.0 C/I / 55.2 S/I	21.5 C/I / 56.7 S/I	**-1.5**
10F2	N056	39.5 C/I / 74.7 S/I	**20.4 C/I / 55.6 S/I**	20.4 C/I / 55.6 S/I	21.5 C/I / 56.7 S/I	**-1.1**
10F3	N056	39.5 C/I / 74.7 S/I	**20.4 C/I / 55.6 S/I**	20.4 C/I / 55.6 S/I	21.5 C/I / 56.7 S/I	**-1.1**
10M2 (2 carr.)	N056	40.4 C/I / 75.6 S/I	**21.3 C/I / 56.5 S/I**	21.2 C/I / 56.4 S/I	21.5 C/I / 56.7 S/I	**-0.3**
10M3 (1 carr.)	N056	39.6 C/I / 74.8 S/I	**20.6 C/I / 55.8 S/I**	20.6 C/I / 55.8 S/I	21.5 C/I / 56.7 S/I	**-0.9**
10M3 (2 carr.)	N056	39.9 C/I / 75.0 S/I	**20.9 C/I / 56.0 S/I**	20.8 C/I / 56.0 S/I	21.5 C/I / 56.7 S/I	**-0.7**
10F1	N057	35.3 C/I / 70.5 S/I	**22.4 C/I / 57.6 S/I**	22.2 C/I / 57.4 S/I	23.1 C/I / 58.3 S/I	**-0.9**
10M3 (2 carr.)	N057	34.6 C/I / 69.8 S/I	**21.8 C/I / 57.0 S/I**	21.6 C/I / 56.8 S/I	23.1 C/I / 58.3 S/I	**-1.5**
10F1	N058	34.1 C/I / 69.3 S/I	**21.2 C/I / 56.4 S/I**	21.0 C/I / 56.2 S/I	23.1 C/I / 58.3 S/I	**-2.1**
10F2	N058	34.5 C/I / 69.7 S/I	**21.6 C/I / 56.8 S/I**	21.4 C/I / 56.6 S/I	23.1 C/I / 58.3 S/I	**-1.7**
10F3	N058	34.5 C/I / 69.7 S/I	**21.6 C/I / 56.8 S/I**	21.4 C/I / 56.6 S/I	23.1 C/I / 58.3 S/I	**-1.7**
10M2 (2 carr.)	N058	35.4 C/I / 70.6 S/I	**22.5 C/I / 57.7 S/I**	22.3 C/I / 57.5 S/I	23.1 C/I / 58.3 S/I	**-0.8**
10M3 (1 carr.)	N058	34.6 C/I / 69.8 S/I	**21.8 C/I / 57.0 S/I**	21.6 C/I / 56.8 S/I	23.1 C/I / 58.3 S/I	**-1.5**
10M3 (2 carr.)	N058	34.9 C/I / 70.0 S/I	**22.1 C/I / 57.2 S/I**	21.8 C/I / 57/0 S/I	23.1 C/I / 58.3 S/I	**-1.2**
10F1	N073	30.2	**11.7**	11.6	13.0	**-1.3**
10F2	N073	30.2	**11.7**	11.6	13.0	**-1.4**
10F3	N073	30.2	**11.7**	11.6	13.0	**-1.4**
10M1 (1 carr.)	N073	30.7	**12.2**	12.2	13.0	**-0.8**
10M1 (2 carr.)	N073	31.3	**12.8**	12.7	13.0	**-0.2**
10M2 (1 carr.)	N073	30.3	**11.8**	11.7	13.0	**-1.3**
10M2 (2 carr.)	N073	30.6	**12.1**	12.0	13.0	**-1.0**
10M3 (1 carr.)	N073	29.8	**11.4**	11.4	13.0	**-1.6**
10M3 (2 carr.)	N073	30.8	**12.4**	12.3	13.0	**-0.7**
10F1	N079	31.9 C/I /	**23.5 C/I /**	23.0 C/I /	23.9 C/I /	**-1.0**

		67.1 S/I	**58.7 S/I**	58.1 S/I	59.1 S/I	
10F2	N079	32.3 C/I / 67.5 S/I	**23.9 C/I / 59.1 S/I**	23.4 C/I / 58.5 S/I	23.9 C/I / 59.1 S/I	**-0.6**
10F3	N079	32.3 C/I / 67.5 S/I	**23.9 C/I / 59.1 S/I**	23.4 C/I / 58.5 S/I	23.9 C/I / 59.1 S/I	**-0.6**
10M3 (1 carr.)	N079	32.4 C/I / 67.6 S/I	**24.1 C/I / 59.3 S/I**	23.5 C/I / 58.7 S/I	23.9 C/I / 59.1 S/I	**-0.4**
10M3 (2 carr.)	N079	32.7 C/I / 67.8 S/I	**24.4 C/I / 59.5 S/I**	23.8 C/I / 58.9 S/I	23.9 C/I / 59.1 S/I	**-0.2**
10F1	N087	30.8	26.5	25.2	25.2	0.0
10M3 (2 carr.)	N087	30.4	**26.2**	24.8	25.2	**-0.4**
10F1	N092	31.2	**18.8**	18.5	20.0	**-1.5**
10F2	N092	31.9	**19.5**	19.3	20.0	**-0.7**
10F3	N092	31.9	**19.5**	19.3	20.0	**-0.7**
10M3 (2 carr.)	N092	31.1	**18.8**	18.6	20.0	**-1.4**
10F1	N093	21.6	**20.7**	18.1	20.0	**-1.9**
10F2	N093	21.5	**20.6**	18.0	20.0	**-2.0**
10F3	N093	21.5	**20.6**	18.0	20.0	**-2.0**
10M1 (1 carr.)	N093	22.3	**21.4**	18.8	20.0	**-1.2**
10M1 (2 carr.)	N093	22.8	**21.9**	19.3	20.0	**-0.7**
10M2 (1 carr.)	N093	21.7	**20.8**	18.3	20.0	**-1.7**
10M2 (2 carr.)	N093	22.0	**21.1**	18.5	20.0	**-1.5**
10M3 (1 carr.)	N093	21.2	**20.4**	17.8	20.0	**-2.2**
10M3 (2 carr.)	N093	21.2	**20.4**	17.8	20.0	**-2.2**
10F1	N096	26.0	**19.7**	18.7	22.0	**-3.3**
10F2	N096	25.9	**19.6**	18.7	22.0	**-3.3**
10F3	N096	25.9	**19.6**	18.7	22.0	**-3.3**
10M1 (1 carr.)	N096	26.5	**20.2**	19.3	22.0	**-2.7**
10M2 (1 carr.)	N096	26.0	**19.7**	18.8	22.0	**-3.2**
10M3 (1 carr.)	N096	25.6	**19.4**	18.4	22.0	**-3.6**
10M3 (2 carr.)	N096	28.2	**22.0**	21.0	22.0	**-1.0**
10F1	N097	21.3	**20.6**	17.9	21.8	**-3.9**
10F2	N097	21.2	**20.5**	17.9	21.8	**-3.9**
10F3	N097	21.2	**20.5**	17.9	21.8	**-3.9**
10M1 (1 carr.)	N097	21.8	**21.1**	18.4	21.8	**-3.4**
10M1 (2 carr.)	N097	21.6	**20.9**	18.3	21.8	**-3.5**
10M2 (1 carr.)	N097	21.4	**20.7**	18.0	21.8	**-3.8**
10M2 (2 carr.)	N097	21.3	**20.6**	17.9	21.8	**-3.9**
10M3 (1 carr.)	N097	20.9	**20.3**	17.6	21.8	**-4.2**
10M3 (2 carr.)	N097	21.1	**20.5**	17.8	21.8	**-4.0**
10M3 (1 carr.)	N101	**20.0**	34.3	19.8	20.0	**-0.2**
10M3 (2 carr.)	N101	**20.0**	34.3	19.8	20.0	**-0.2**

10F1	N103	27.5	**21.9**	20.8	20.9	**-0.1**
10M3 (2 carr.)	N103	27.4	**21.9**	20.8	20.9	**-0.1**
10M3 (1 carr.)	N104	27.6	**22.1**	21.1	21.2	**-0.1**
10M3 (2 carr.)	N104	27.7	**22.2**	21.1	21.2	**-0.1**
10F1	N105	24.0	**18.4**	17.4	20.0	**-2.6**
10F2	N105	24.0	**18.4**	17.3	20.0	**-2.7**
10F3	N105	24.0	**18.4**	17.3	20.0	**-2.7**
10M1 (1 carr.)	N105	24.6	**19.0**	17.9	20.0	**-2.1**
10M1 (2 carr.)	N105	24.4	**18.8**	17.7	20.0	**-2.3**
10M2 (1 carr.)	N105	24.1	**18.5**	17.4	20.0	**-2.6**
10M2 (2 carr.)	N105	24.0	**18.4**	17.4	20.0	**-2.6**
10M3 (1 carr.)	N105	23.7	**18.2**	17.1	20.0	**-2.9**
10M3 (2 carr.)	N105	23.8	**18.3**	17.2	20.0	**-2.8**
10F1	N106	27.1	**21.5**	20.4	21.8	**-1.4**
10F2	N106	27.0	**21.4**	20.4	21.8	**-1.4**
10F3	N106	27.0	**21.4**	20.4	21.8	**-1.4**
10M1 (1 carr.)	N106	27.6	**22.0**	20.9	21.8	**-0.9**
10M1 (2 carr.)	N106	27.4	**21.8**	20.8	21.8	**-1.0**
10M2 (1 carr.)	N106	27.1	**21.5**	20.5	21.8	**-1.3**
10M2 (2 carr.)	N106	27.1	**21.5**	20.4	21.8	**-1.4**
10M3 (1 carr.)	N106	26.7	**21.2**	20.1	21.8	**-1.7**
10M3 (2 carr.)	N106	26.7	**21.2**	20.1	21.8	**-1.7**
10F1	N107	20.0	**14.4**	13.4	17.0	**-3.6**
10F2	N107	20.0	**14.4**	13.3	17.0	**-3.7**
10F3	N107	20.0	**14.4**	13.3	17.0	**-3.7**
10M1 (1 carr.)	N107	20.5	**14.9**	13.9	17.0	**-3.1**
10M1 (2 carr.)	N107	20.9	**15.3**	14.2	17.0	**-2.8**
10M2 (1 carr.)	N107	20.1	**14.5**	13.4	17.0	**-3.6**
10M2 (2 carr.)	N107	20.3	**14.7**	13.6	17.0	**-3.4**
10M3 (1 carr.)	N107	19.6	**14.1**	13.1	17.0	**-3.9**
10M3 (2 carr.)	N107	20.5	**15.0**	13.9	17.0	**-3.1**

Table C-24a: Results for Full & Dual Wideband Digital Carriers interfering into Digital Carriers (2° Spacing)

Matrix shows combinations failing to meet single entry interference objective by "X" dB.

```
          |  INTERFERING LINK* -->
          |0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1
          |6 6 6 6 6 6 6 6 6 0 0 0 0 0 0 0 0 0 3 3 3 3 3 3 3 3 3 6
6 6 6 6 6 6 6 6
 WANTED   |F F F M M M M M M F F F M M M M M M F F F M M M M M M F
F F M M M M M M
  LINK**  |1 2 3 1 1 2 2 3 3 1 2 3 1 1 2 2 3 3 1 2 3 1 1 2 2 3 3 1
2 3 1 1 2 2 3 3
---------+-------------------------------------------------------------
-----------------
D1-6    1|
1
D2-6    2|                                                           1
1
D3-6    3|                    1 1 1         1   3 3 3     1 1 3 3 6
6 6 3 2 4 4 6 6
D4-6    4|
D5-6    5|
D6-6    6|
D1-X    7|
D2-X    8|
D3-X    9|                                                           2
2 2      1   2 2
D4-X   10|
D5-X   11|
D6-X   12|
```

* Desired link labels start with "xx" where "xx" is the downlink EIRP density for the link. Thus "06F1", "10F1", "13F1", and "16F1" have 6, 10, 13, and 16 dBW/4kHz downlink EIRP densities, respectively.

** Links labeled with the "xx-6" have 6 dBW/4kHz downlink EIRP densities and those labeled with the "xx-X" have 10 dBW/4kHz downlink EIRP densities.

Table C-24b: Details for Full & Dual Wideband Digital Carriers interfering into Digital Carriers

Interfering Signal (see table C-5)	Desired Signal (see table C-4)	C/I_u (dB)	C/I_d (dB)	C/I_t (dB)	S.E. Objective (dB)	Margin (dB)
10 dBW/4kHz:						
10F1	D3-6	33.2	**21.2**	20.9	21.0	**-0.1**
10F2	D3-6	33.3	21.3	21.0	21.0	0.0
10F3	D3-6	33.3	21.3	21.0	21.0	0.0
10M3 (1 Carr.)	D3-6	33.1	**21.2**	20.9	21.0	**-0.1**
13 dBW/4kHz:						
13F1	D3-6	33.2	**18.2**	18.0	21.0	**-3.0**
13F2	D3-6	33.3	**18.3**	18.2	21.0	**-2.9**
13F3	D3-6	33.3	**18.3**	18.2	21.0	**-2.9**
13M2 (1 Carr.)	D3-6	34.9	**19.9**	19.8	21.0	**-1.2**
13M2 (2 Carr.)	D3-6	35.5	**20.5**	20.4	21.0	**-0.6**
13M3 (1 Carr.)	D3-6	33.1	**18.2**	18.1	21.0	**-3.0**
13M3 (2 Carr.)	D3-6	33.3	**18.4**	18.3	21.0	**-2.7**
16 dBW/4kHz:						
16M3 (2 Carr.)	D1-6	36.0	**25.1**	24.8	25.0	**-0.2**
16F1	D2-6	35.8	**24.8**	24.4	25.0	**-0.6**
16M3 (2 Carr.)	D2-6	35.7	**24.8**	24.5	25.0	**-0.5**
16F1	D3-6	33.2	**15.2**	15.1	21.0	**-5.9**
16F2	D3-6	33.3	**15.3**	15.2	21.0	**-5.8**
16F3	D3-6	33.3	**15.3**	15.2	21.0	**-5.8**
16M1 (1 Carr.)	D3-6	36.5	**18.5**	18.5	21.0	**-2.6**
16M1 (2 Carr.)	D3-6	37.4	**19.4**	19.3	21.0	**-1.7**
16M2 (1 Carr.)	D3-6	34.9	**16.9**	16.9	21.0	**-4.2**
16M2 (2 Carr.)	D3-6	35.5	**17.5**	17.5	21.0	**-3.6**
16M3 (1 Carr.)	D3-6	33.1	**15.2**	15.1	21.0	**-5.9**
16M3 (2 Carr.)	D3-6	33.3	**15.4**	15.4	21.0	**-5.7**
16F1	D3-X	33.2	**19.2**	19.0	21.0	**-2.0**
16F2	D3-X	33.3	**19.3**	19.1	21.0	**-1.9**
16F3	D3-X	33.3	**19.3**	19.1	21.0	**-1.9**
16M2 (1 Carr.)	D3-X	34.9	**20.9**	20.8	21.0	**-0.3**
16M3 (1 Carr.)	D3-X	33.1	**19.2**	19.0	21.0	**-2.0**
16M3 (2 Carr.)	D3-X	33.3	**19.4**	19.3	21.0	**-1.8**

Table C-25a: Results for Full & Dual Wideband Digital Carriers interfering into Full & Dual Widebands Digital Carriers Matrix shows combinations failing to meet single entry interference objective by "X" dB. (2° Spacing)

```
          |  INTERFERING LINK* -->
          |0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1
          |6 6 6 6 6 6 6 6 6 0 0 0 0 0 0 0 0 0 3 3 3 3 3 3 3 3 3 6
6 6 6 6 6 6 6 6
 WANTED   |F F F M M M M M M F F F M M M M M M F F F M M M M M M F
F F M M M M M M
  LINK*   |1 2 3 1 1 2 2 3 3 1 2 3 1 1 2 2 3 3 1 2 3 1 1 2 2 3 3 1
2 3 1 1 2 2 3 3
---------+-------------------------------------------------------------
-----------------
06F1    1|
1
06F2    2|                                                         1
1
06F3    3|
06M1    4|                    1 1 1         1   3 3 3     1 1 3 1 6
6 6 3 2 4 4 6 4
06M1    5|                                  2 2 2       1 1 3 5
5 5   3 1 4 4 5
06M2    6|
06M2    7|
06M3    8|                                                         1
1 1         1
06M3    9|
1
10F1   10|
10F3   11|
10F5   12|
10M1   13|                                                         2
2 2     1   2 1
10M1   14|                                                         1
1 1       1   2
10M2   15|
10M2   16|
10M3   17|
10M3   18|
13F1   19|
13F3   20|
13F5   21|
13M1   22|
13M1   23|
13M2   24|
13M2   25|
13M3   26|
13M3   27|
16F1   28|
```

```
16F3  29|
16F5  30|
16M1  31|
16M1  32|
16M2  33|
16M2  34|
16M3  35|
16M3  36|
```

* Desired and interfering link labels start with "xx" where "xx" is the downlink EIRP density for the link. Thus "06F1", "10F1", "13F1", and "16F1" have 6, 10, 13, and 16 dBW/4kHz downlink EIRP densities, respectively.

Table C-25b: Details for Full & Dual Wideband Digital Carriers interfering into Full & Dual Widebands Digital Carriers

Interfering Signal (see table C-5)	Desired Signal (see table C-5)	C/I_u (dB)	C/I_d (dB)	C/I_t (dB)	S.E. Objective (dB)	Margin (dB)
10 dBW/4kHz:						
10F1	06M1 (1 Carr.)	33.2	**21.2**	20.9	21.0	**-0.1**
10F2	06M1 (1 Carr.)	33.3	21.3	21.0	21.0	0.0
10F3	06M1 (1 Carr.)	33.3	21.3	21.0	21.0	0.0
10M3 (1 Carr.)	06M1 (1 Carr.)	33.1	**21.2**	20.9	21.0	**-0.1**
13 dBW/4kHz:						
13F1	06M1 (1 Carr.)	33.2	**18.2**	18.0	21.0	**-3.0**
13F2	06M1 (1 Carr.)	33.3	**18.3**	18.2	21.0	**-2.9**
13F3	06M1 (1 Carr.)	33.3	**18.3**	18.2	21.0	**-2.9**
13M2 (1 Carr.)	06M1 (1 Carr.)	34.9	**19.9**	19.8	21.0	**-1.2**
13M2 (2 Carr.)	06M1 (1 Carr.)	35.5	**20.5**	20.4	21.0	**-0.6**
13M3 (1 Carr.)	06M1 (1 Carr.)	33.1	**18.2**	18.1	21.0	**-3.0**
13M3 (2 Carr.)	06M1 (1 Carr.)	35.1	**20.2**	20.0	21.0	**-1.0**
13F1	06M1 (2 Carr.)	33.7	**18.7**	18.6	21.0	**-2.5**
13F2	06M1 (2 Carr.)	34.5	**19.5**	19.3	21.0	**-1.7**
13F3	06M1 (2 Carr.)	34.5	**19.5**	19.3	21.0	**-1.7**
13M2 (2 Carr.)	06M1 (2 Carr.)	34.9	**19.9**	19.8	21.0	**-1.2**
13M3 (1 Carr.)	06M1 (2 Carr.)	35.3	**20.4**	20.2	21.0	**-0.8**
13M3 (2 Carr.)	06M1 (2 Carr.)	33.5	**18.6**	18.5	21.0	**-2.5**
16 dBW/4kHz:						
16M3 (2 Carr.)	06F1	36.0	**25.1**	24.8	25.0	**-0.2**
16F1	06F2	35.8	**24.8**	24.4	25.0	**-0.6**
16M3 (2 Carr.)	06F2	35.7	**24.8**	24.5	25.0	**-0.5**

16F1	06M1 (1 Carr.)	33.2	**15.2**	15.1	21.0	**-5.9**
16F2	06M1 (1 Carr.)	33.3	**15.3**	15.2	21.0	**-5.8**
16F3	06M1 (1 Carr.)	33.3	**15.3**	15.2	21.0	**-5.8**
16M1 (1 Carr.)	06M1 (1 Carr.)	36.5	**18.5**	18.5	21.0	**-2.6**
16M1 (2 Carr.)	06M1 (1 Carr.)	37.4	**19.4**	19.3	21.0	**-1.7**
16M2 (1 Carr.)	06M1 (1 Carr.)	34.9	**16.9**	16.9	21.0	**-4.2**
16M2 (2 Carr.)	06M1 (1 Carr.)	35.5	**17.5**	17.5	21.0	**-3.6**
16M3 (1 Carr.)	06M1 (1 Carr.)	33.1	**15.2**	15.1	21.0	**-5.9**
16M3 (2 Carr.)	06M1 (1 Carr.)	35.1	**17.2**	17.1	21.0	**-4.0**
16F1	06M1 (2 Carr.)	33.7	**15.7**	15.6	21.0	**-5.4**
16F2	06M1 (2 Carr.)	34.5	**16.5**	16.4	21.0	**-4.6**
16F3	06M1 (2 Carr.)	34.5	**16.5**	16.4	21.0	**-4.6**
16M1 (2 Carr.)	06M1 (2 Carr.)	36.5	**18.5**	18.5	21.0	**-2.6**
16M2 (1 Carr.)	06M1 (2 Carr.)	38.5	**20.5**	20.5	21.0	**-0.6**
16M2 (2 Carr.)	06M1 (2 Carr.)	34.9	**16.9**	16.9	21.0	**-4.2**
16M3 (1 Carr.)	06M1 (2 Carr.)	35.3	**17.4**	17.3	21.0	**-3.7**
16M3 (2 Carr.)	06M1 (2 Carr.)	33.5	**15.6**	15.6	21.0	**-5.5**
16F1	06M3 (1 Carr.)	36.2	**25.1**	24.8	25.4	**-0.6**
16F2	06M3 (1 Carr.)	36.5	**25.4**	25.1	25.4	**-0.3**
16F3	06M3 (1 Carr.)	36.5	**25.4**	25.1	25.4	**-0.3**
16M3 (1 Carr.)	06M3 (1 Carr.)	36.5	**25.5**	25.2	25.4	**-0.2**
16M3 (2 Carr.)	06M3 (2 Carr.)	36.5	**25.5**	25.2	25.4	**-0.2**
16F1	10M1 (1	33.2	**19.2**	19.0	21.0	**-2.0**

	Carr.)					
16F2	10M1 (1 Carr.)	33.3	**19.3**	19.1	21.0	**-1.9**
16F3	10M1 (1 Carr.)	33.3	**19.3**	19.1	21.0	**-1.9**
16M2 (1 Carr.)	10M1 (1 Carr.)	34.9	**20.9**	20.8	21.0	**-0.3**
16M3 (1 Carr.)	10M1 (1 Carr.)	33.1	**19.2**	19.0	21.0	**-2.0**
16M3 (2 Carr.)	10M1 (1 Carr.)	35.1	**21.2**	21.0	21.0	**-0.1**
16F1	10M1 (2 Carr.)	33.7	**19.7**	19.5	21.0	**-1.5**
16F2	10M1 (2 Carr.)	34.5	**20.5**	20.3	21.0	**-0.7**
16F3	10M1 (2 Carr.)	34.5	**20.5**	20.3	21.0	**-0.7**
16M2 (2 Carr.)	10M1 (2 Carr.)	34.9	**20.9**	20.8	21.0	**-0.3**
16M3 (2 Carr.)	10M1 (2 Carr.)	33.5	**19.6**	19.5	21.0	**-1.6**

Table C-26: ASIA version 1.2 input data for VSAT network carriers

```
Ku Band VSAT network reference densities                                    09-Dec-2003
****
**** Ku Band Power Density Criteria  --  Reference System
****  1.2m and 5m antennas at 14.25 & 11.95 GHz with 60% aperture efficiency
****
**** Inbound link (-14 dBW/4kHz uplink power density)
****
VST1 3  0.134 0  536 0.500 0.    0.   -3.3  0.  2  0.056  0.134 14.250 11.950 01  0.5  1.2 42.9 27.5  800 10.8  5.0 53.7 250
0.
****
**** Outbound link (6 dBW/4kHz downlink eirp density)
****
VST2 3  0.614 0   16 0.500 0.    0.   -3.3  0.  2  0.256  0.614 14.250 11.950 01  7.1  5.0 55.1 27.5  800 27.1  1.2 41.9 250
0.
****
**** Outbound link (10 dBW/4kHz downlink eirp density)
****
VST3 3  0.614 0   16 0.500 0.    0.   -3.3  0.  2  0.256  0.614 14.250 11.950 01  7.1  5.0 55.1 27.5  800 31.1  1.2 41.9 250
0.
****
**** Inbound/Outbound link at current max densities
****  -14 dBW/4kHz unlink  power density &
****    6 dBW/4kHz downlink eirp density
****
VST4 3  0.614 0   16 0.500 0.    0.   -3.3  0.  2  0.256  0.614 14.250 11.950 01  7.1  1.2 42.9 27.5  800 27.1  1.2 41.9 250
0.
****
**** Inbound/Outbound link at max densities
****  -14 dBW/4kHz unlink  power density &
****   10 dBW/4kHz downlink eirp density
****
VST5 3  0.614 0   16 0.500 0.    0.   -3.3  0.  2  0.256  0.614 14.250 11.950 01  7.1  1.2 42.9 27.5  800 31.1  1.2 41.9 250
0.
```

Table C-27: ASIA version 1.2 input data for Narrowband analog carriers (program and voice grade)

```
Ku Band FM/SCPC (13 & 17 dBW/4kHz downlink eirp density)                    12/9/2003
****
**** NOTE: Using default scpc/fm C/I objectives -- GLS/ 7/11/01
****  Carriers are spread over approximately 36 MHz transponder bandwidth.
****
****  SCPC/FM program channel Hub Reference System (13 dBW/4kHz downlink eirp density)
****
FMin 4  0.180 0  100 5.000 0.    0.015 -9.0 29.0 0  0.    0.360 14.250 11.950 01  3.1  1.2 42.9 27.5  800 24.1  5.0 53.7
250  0.
FMot 4  0.180 0  100 5.000 0.    0.015 -9.0 29.0 0  0.    0.360 14.250 11.950 01  3.1  5.0 55.1 27.5  800 24.1  1.2 41.9
250  0.
****
****  SCPC/FM voice channel Hub Reference System (13 dBW/4kHz downlink eirp density)
****   Number of carriers within transponder based upon an eirp of 49 dBW
****   and a 4 dB output backoff.
****
VCin 4  0.025 0  890 2.676 0.    0.0031 -7.0 24.0 0  0.    0.040 14.250 11.950 01 -5.5  1.2 42.9 27.5  800 15.5  5.0 53.7
250  0.
VCot 4  0.025 0  890 2.676 0.    0.0031 -7.0 24.0 0  0.    0.040 14.250 11.950 01 -5.5  5.0 55.1 27.5  800 15.5  1.2 41.9
250  0.
****
****  SCPC/FM program channel Hub Reference System (17 dBW/4kHz downlink eirp density)
****
FMi+ 4  0.180 0  100 5.000 0.    0.015 -9.0 29.0 0  0.    0.360 14.250 11.950 01  3.1  1.2 42.9 27.5  800 28.1  5.0 53.7
250  0.
```

```
FMo+ 4  0.180 0  100 5.000 0.    0.015 -9.0 29.0 0  0.    0.360 14.250 11.950 01  3.1  5.0 55.1 27.5  800 28.1  1.2 41.9
250  0.
****
**** SCPC/FM voice channel Hub Reference System (17 dBW/4kHz downlink eirp density)
****   Number of carriers within transponder based upon an eirp of 53 dBW
****   and a 4 dB output backoff.
****
VCi+ 4  0.025 0  890 2.676 0.    0.0031 -7.0 24.0 0  0.    0.040 14.250 11.950 01 -5.5  1.2 42.9 27.5  800 19.5  5.0 53.7
250  0.
VCo+ 4  0.025 0  890 2.676 0.    0.0031 -7.0 24.0 0  0.    0.040 14.250 11.950 01 -5.5  5.0 55.1 27.5  800 19.5  1.2 41.9
250  0.
```

Table C-28: ASIA version 1.2 input data for Generic carriers (Doc 81-704 & 1986 VSAT Order, Revised)

```
Revised Doc 81-704 Appendix C                                                    12/19/03
****
**** Revised from NEWDOM12.DAT by GLS (7/11/2001) to remove all interference objectives
**** Revised by GLS (12/19/2003) to remove all FDM/FM, CSSB/AM, SCPC/FM, TV/FM to
**** antennas smaller than 3.0 meter, non-VSAT like BPSK carriers, and all NEX spot beams.
****
**** ABCI, USSSI, RSI and RCA 8.8 Mbps TDMA and 9.6kbps spread spectrum signals removed from Appendix C.
**** Previously authorized Isocom and Schlumberger earth station systems included, as well as those new/modified
**** domestic satellite systems described in the applications filed on November 7, 1983.
****
****   Link name Keys: 'o' = R&O Appendix C in Doc 81-704,   'm' = Modified link from R&O Appendix C in Doc 81-704
****              '&' = Old link-continue,          '+' = New Unauthorized link
****              'u' = Possible Upgrade,           '?' = Uncertain Modelling
****              'c' = Conus Beam,                 'e' = East Half-Conus,
****              'w' = West Half-Conus,            's' = Spot Beam
****
ASC+ 2 54.000 0   1 0.000 0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 24.0  7.0 58.0 27.5  900 50.0  7.0 57.0 251
0.
ASC+ 2 36.000 0   1 0.000 0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.0  7.0 58.0 27.5  900 42.0  7.0 57.0 251
0.
ASC+ 2 10.000 0   4 0.750 0.   0.  -12.0  0.  4 12.000 12.000 14.250 11.950 01 12.0  7.0 58.0 27.5  900 33.0  7.0 57.0
251  0.
****
**** stated requirement of 50 dB S/N for scpc/fm
****
CGC+ 1 26.000 0   2 2.095 0.025  4.200 55.  12.8 0  0.   26.000 14.250 11.950 01 19.7  7.0 58.2 30.0  631 45.2  7.0 56.7
250  0.
CGC+ 1 26.000 0   2 2.095 0.025  4.200 55.  12.8 0  0.   26.000 14.263 11.963 01 19.7  7.0 58.2 30.0  631 45.2  7.0 56.7
250  0.
CGC+ 2  3.600 0   8 0.875 0.   0.    9.4  0.  4  6.312  4.500 14.250 11.950 01  9.9  7.0 58.2 30.0  631 35.2  7.0 56.7 250
0.
CGC+ 2  0.900 0  24 0.875 0.   0.    9.5  0.  4  1.544  1.100 14.250 11.950 01  8.0  5.0 55.3 30.0  631 30.4  5.0 53.8 250
0.
CGC+ 3  0.038 0 354 0.875 0.   0.   10.1  0.  4  0.056  0.045 14.250 11.950 01  1.3  3.0 50.8 30.0  631 18.5  3.0 49.3
250  0.
CGC+ 6 28.448 1 281 0.500 0.   0.    8.  24.0 2  0.056  0.   14.250 11.950 01 22.6  3.0 50.8 30.0  631 50.0  3.0 49.3
400  0.
CGC+ 6 28.448 1 281 0.500 0.   0.    8.  24.0 2  0.056  0.   14.250 11.950 01 29.2  1.0 41.2 30.0  631 50.0  1.0 39.8
400  0.
****
FED+ 2 67.2  0   1 0.500 0.   0.    7.9  0.  2 16.8    0.   14.250 11.950 01 20.0  7.7 58.5 49.6  820 44.9  1.9 45.0 350  0.
FED+ 3  0.224 0 150 0.500 0.   0.    7.9  0.  2  0.056  0.336 14.250 11.950 01  1.0  1.9 46.5 45.1  820 19.4  7.7 57.1
225  0.
****
**** Ku Edge of Conus (42 dBW eirp)
****
FAS+ 1 36.000 0   1 2.619 0.020  4.200  0.  12.8 0  0.    0.   14.250 11.950 01 22.2 10.0 60.9 27.6 1100 42.0 10.0 60.1
200  0.
FAS+ 1 36.000 0   1 2.619 0.020  4.200  0.  12.8 0  0.    0.   14.250 11.950 01 25.3  7.0 57.8 27.6 1100 42.0  7.0 57.0
200  0.
FAS+ 2 36.000 0   1 0.875 0.   0.  -10.   0.  4 60.000  0.   14.250 11.950 01 22.2 10.0 60.9 27.6 1100 42.0 10.0 60.1
200  0.
FAS+ 2 36.000 0   1 0.875 0.   0.  -10.   0.  4 60.000  0.   14.250 11.950 01 25.3  7.0 57.8 27.6 1100 42.0  7.0 57.0 200
0.
FAS+ 2  6.000 0   5 0.750 0.   0.    0.   0.  4  8.000  7.000 14.250 11.950 01  5.5 10.0 60.9 27.6 1100 30.0 10.0 60.1 200
0.
FAS+ 2  6.000 0   5 0.750 0.   0.    0.   0.  4  8.000  7.000 14.250 11.950 01  8.6  7.0 57.8 27.6 1100 30.0  7.0 57.0 200
0.
****
**** Ku Edge of Regional (Appl. gives budgets at Center of Coverage with 48 dBW eirp)
****
FAS+ 1 36.000 0   1 2.619 0.020  4.200  0.  12.8 0  0.    0.   14.250 11.950 01 28.3  5.0 54.9 27.6 1100 45.0  3.5 51.0
390  0.
FAS+ 1 36.000 0   1 2.619 0.020  4.200  0.  12.8 0  0.    0.   14.250 11.950 01 28.3  5.0 54.9 27.6 1100 45.0  2.5 48.1
300  0.
```

```
FAS+ 1 36.000 0   1 2.619 0.020  4.200  0.  12.8 0  0.    0.    14.250 11.950 01 28.3  5.0 54.9 27.6 1100 45.0  1.8 45.0
316  0.
FAS+ 2 36.000 0   1 0.875 0.    0.  -10.  0.  4 60.000  0.    14.250 11.950 01 28.3  2.5 48.9 27.6 1100 45.0  2.5 48.1 300
0.
FAS+ 2  6.000 0   5 0.750 0.    0.    0.  0.  4  8.000  7.000 14.250 11.950 01 10.4  5.0 54.9 27.6 1100 33.0  5.0 54.1 300
0.
****
**** GSTAR 3 (Nov. 7, 1983 Ammendment gives 50 dBW eirp at peak of strongest beam)
****
GTEs 1 36.000 0   1 3.286 0.025  4.200 56.0 12.8 0  0.    0.    14.250 11.950 01 20.5  7.5 59.0 29.3  540 47.0  7.5 57.4
145  0.
GTEs 1 36.000 0   1 3.286 0.025  4.200 56.0 12.8 0  0.    0.    14.250 11.950 01 23.2  5.5 56.3 29.3  540 47.0  5.5 54.7
145  0.
GTE+ 2 54.   0   1 0.   0.    0.  -14.0  0.  4 90.000  0.    14.250 11.950 01 24.3  5.0 55.2 29.3  540 47.0  5.0 53.7 145  0.
GTEs 2 36.000 0   1 0.   0.    0.  -13.9  0.  4 60.000  0.    14.250 11.950 01 20.5  7.5 59.0 29.3  540 47.0  7.5 57.4 145
0.
GTEs 2 36.000 0   1 0.   0.    0.  -13.9  0.  4 60.000  0.    14.250 11.950 01 23.2  5.5 56.3 29.3  540 47.0  5.5 54.7 145
0.
GTEs 3  0.039 0  562 0.875 0.    0.  -12.7  0.  4  0.056  0.096 14.250 11.950 01 -7.5  7.5 59.0 29.3  540 14.5  7.5 57.4
145  0.
GTEs 3  0.039 0  562 0.875 0.    0.  -12.7  0.  4  0.056  0.096 14.250 11.950 01 -4.8  5.5 56.3 29.3  540 14.5  5.5 54.7
145  0.
****
```

Table C-28 (continued): ASIA version 1.2 input data for Generic carriers (Doc 81-704 & 1986 VSAT Order, Revised)

```
**** GSTAR 1 & 2 (Conus Beam)
****
GTEm 1 36.000 0   1 3.286 0.025  4.200 56.0 12.8 0  0.   0.   14.250 11.950 01 20.5  7.5 59.0 28.1  800 42.0  7.5 57.4
145  0.
GTEm 1 36.000 0   1 3.286 0.025  4.200 56.0 12.8 0  0.   0.   14.250 11.950 01 23.2  5.5 56.3 28.1  800 42.0  5.5 54.7
145  0.
GTE+ 2 54.   0   1 0.875 0.   0.   0.  0. 4 90.000  0.   14.250 11.950 01 24.3  5.0 55.2 28.1  800 43.0  5.0 53.7 145  0.
GTEm 2 36.000 0   1 0.   0.   0.  -13.9  0.  4 60.000  0.   14.250 11.950 01 20.5  7.5 59.0 28.1  800 42.0  7.5 57.4 145
0.
GTEm 2 36.000 0   1 0.   0.   0.  -13.9  0.  4 60.000  0.   14.250 11.950 01 23.2  5.5 56.3 28.1  800 42.0  5.5 54.7 145
0.
GTEm 3  0.039 0  562 0.875 0.   0.  -12.7  0.  4  0.056  0.096 14.250 11.950 01 -7.5  7.5 59.0 28.1  800  9.5  7.5 57.4
145  0.
GTEm 3  0.039 0  562 0.875 0.   0.  -12.7  0.  4  0.056  0.096 14.250 11.950 01 -4.8  5.5 56.3 28.1  800  9.5  5.5 54.7
145  0.
****
**** Galaxy Ku
****
GAL+ 1 25.0  0   2 2.143 0.025  4.2  51.  12.8 0  0.   26.000 14.250 11.950 01 15.1  7.0 58.5 30.0 1000 44.0  7.0 57.0
260  0.
GAL+ 1 25.0  0   2 2.143 0.025  4.2  51.  12.8 0  0.   26.000 14.263 11.963 01 15.1  7.0 58.5 30.0 1000 44.0  7.0 57.0
260  0.
GAL+ 2 45.7  0   1 0.875 0.   0.   12.6  0.  4 80.000  0.   14.250 11.950 01 21.8  4.5 54.7 30.0 1000 48.5  4.5 53.2 260
0.
GAL+ 2 28.6  0   1 0.875 0.   0.    9.3  0.  4 50.000  0.   14.250 11.950 01 28.9  2.0 47.6 30.0 1000 48.5  2.0 45.4 204
0.
GAL+ 2  0.882 0  24 0.875 0.   0.    9.4  0.  4  1.544  1.5  14.250 11.950 01  6.5  3.5 52.4 30.0 1000 30.2  3.5 50.9 260
0.
GAL+ 2  0.882 0  10 0.875 0.   0.    9.4  0.  4  1.544  2.0  14.250 11.950 01 15.1  2.0 47.6 30.0 1000 34.0  2.0 46.1 260
0.
****
**** Isocomm, Inc. -- Interference Objective = 16.6% of noise
****
ISOC 2  0.720 0  33 0.750 0.   0.    7.5  0.  4  0.900  0.900 14.250 11.950 01  8.1  3.5 51.5 30.0 1000 24.8  3.5 50.7 275
0.
ISOC 2  0.720 0  31 0.750 0.   0.    7.5  0.  4  0.900  0.900 14.250 11.950 01 12.1  3.5 51.5 30.9  800 23.1  3.5 50.7 275
0.
ISOC 2  0.720 0  41 0.750 0.   0.    7.5  0.  4  0.900  0.900 14.250 11.950 01 10.9  3.5 51.5 30.9  800 23.9  3.5 50.7 275
0.
****
**** Martin Marietta Spot & Conus
****
MARs 1 26.000 0   1 2.143 0.025  4.200 51.0 12.8 0  0.   0.   14.250 11.950 01 22.2  8.0 59.3 50.370000 43.5  8.0 57.8
190  0.
MARs 2  0.882 0  20 0.875 0.   0.    8.6  0.  4  1.544  1.500 14.250 11.950 01 10.0  3.5 52.5 50.370000 30.5  3.5 51.0
190  0.
MARc 2  1.029 0  20 0.750 0.   0.    7.5  0.  4  1.544  1.500 14.250 11.950 01 10.0  3.5 52.5 31.5  800 28.5  3.5 51.0
190  0.
****
**** G/T = 2 dB/K, Eirp up to saturate = 69.2 to 87.2 dBW (81.2 dBW nominal with 12 dB setting)
**** Downlink nominal Eirps:  45 dBW Conus, 48 dBW East Half-Conus, 51 dBW West Half-Conus
****
RCAc 1 30.000 0   1 2.619 0.025  4.200 57.  12.8 0  0.   0.   14.250 11.950 01 21.7  7.7 59.5 30.1  650 45.0  5.5 55.0
365  0.
RCAc 1 24.000 0   1 2.538 0.025  4.200 47.  12.8 0  0.   0.   14.250 11.950 01 21.7  7.7 59.5 30.1  650 45.0  3.0 50.0
365  0.
RCAc 1 26.000 0   2 2.438 0.025  4.200 53.  12.8 0  0.   26.000 14.250 11.950 01 16.7  7.7 59.5 30.1  650 40.5  5.5 55.0
165  0.
RCAc 1 26.000 0   2 2.438 0.025  4.200 53.  12.8 0  0.   26.000 14.263 11.963 01 16.7  7.7 59.5 30.1  650 40.5  5.5 55.0
165  0.
RCAc 2 45.714 0   1 0.875 0.   0.   11.8  0.  4 80.000  0.   14.250 11.950 01 19.6 10.0 61.6 30.1  650 45.0 10.0 60.4
165  0.
RCAc 2  1.029 0  20 0.750 0.   0.    7.5  0.  4  1.544  1.5  14.250 11.950 01 -4.4 10.0 61.6 30.1  650 26.0 10.0 60.4 165
0.
****
```

```
**** Appendix C to Doc 81-704
****
RCAm 1 26.000 0   1 2.143 0.025  4.200  0.  12.8 0  0.    0.   14.250 11.950 01 26.9  7.7 58.2 27.5  800 41.0  3.0 49.0
186  0.
RCAo 1 26.000 0   2 2.143 0.025  4.200  0.  12.8 0  0.   27.000 14.250 11.950 01 24.6  5.5 55.5 27.5  800 36.5  5.5 54.7
145  0.
RCAm 1 26.000 0   2 2.143 0.025  4.200  0.  12.8 0  0.   27.000 14.263 11.963 01 24.6  5.5 55.5 27.5  800 36.5  5.5 54.7
145  0.
RCAo 2 54.000 0   1 0.875 0.    0.    0.  0.  4 80.000  0.   14.250 11.950 01 24.7 10.0 60.6 27.5  800 41.0 10.0 59.3 145
0.
RCAo 2  1.030 0  20 0.750 0.    0.    0.  0.  4  1.544  2.500 14.250 11.950 01  0.5 10.0 60.6 27.5  800 22.0 10.0 59.3
145  0.
****
****  3/18/85 Filing by RCA -- Interference objectives given in application.
****
RCA+ 3  0.140 0  110 0.500 0.    0.    5.7  0.  2  0.056  0.225 14.250 11.950 01  3.8  1.2 42.9 27.5  800 17.8  7.0 56.6
180  0.
RCA+ 3  0.140 0  131 0.500 0.    0.    5.7  0.  2  0.056  0.225 14.250 11.950 01 -8.6  7.0 58.1 27.5  800 22.4  1.2 41.5
290  0.
****
**** Appendix C to Doc 81-704
****
SBSo 2 43.000 0   1 0.   0.    0.    0.  0.  4 50.000  0.   14.250 11.950 01 24.5  5.5 55.3 30.0 1000 46.7  5.5 54.7 269  0.
SBS& 2 25.000 0   1 0.   0.    0.   11.4  0.  4 50.000  0.   14.250 11.950 01 24.5  5.5 55.3 30.0 1000 46.7  5.5 54.7 269
0.
SBSo 2 43.000 0   1 0.   0.    0.    0.  0.  4 50.000  0.   14.250 11.950 01 24.5  7.7 58.2 30.0 1000 43.7  7.7 57.4 257  0.
SBS& 2 25.000 0   1 0.   0.    0.   11.4  0.  4 50.000  0.   14.250 11.950 01 24.5  7.7 58.2 30.0 1000 43.7  7.7 57.4 257
0.
SBSo 2 43.000 0   1 0.   0.    0.    0.  0.  4 50.000  0.   14.250 11.950 01 24.5  5.5 55.3 30.0 1000 43.7  5.5 54.7 269  0.
SBS& 2 25.000 0   1 0.   0.    0.   11.4  0.  4 50.000  0.   14.250 11.950 01 24.5  5.5 55.3 30.0 1000 43.7  5.5 54.7 269
0.
**** Using Hybrid hard/soft block decision decoding (Galaxy Ku Applic. p. II-12 & II-21)
SBSu 2 28.6  0   1 0.875 0.    0.    9.3  0.  4 50.000  0.   14.250 11.950 01 24.5  5.5 55.3 30.0 1000 43.7  5.5 54.7 269
0.
SBS+ 2 60.000 0   1 0.   0.    0.   11.4  0.  4120.000  0.   14.250 11.950 01 24.5  7.7 58.2 30.0 1000 47.0  7.7 57.4 257
0.
```

Table C-28 (continued): ASIA version 1.2 input data for Generic carriers (Doc 81-704 & 1986 VSAT Order)

```
****
**** Schlumberger Tech. Corp. -- Interference objective = 20% of noise
****
SCHL 2  7.200 0   6 0.500 0.   0.   5.8  0.  4  6.000  8.   14.250 11.950 01 12.7  5.0 54.3 30.0 1000 31.7  7.7 57.1 240
0.
SCHL 2  7.200 0   6 0.500 0.   0.   5.8  0.  4  6.000  8.   14.250 11.950 01  8.5  7.7 58.5 30.0 1000 31.7  5.0 52.9 245
0.
SCHL 2  1.229 0   8 0.500 0.   0.   5.8  0.  2  0.512  2.000 14.250 11.950 01  4.8  7.7 58.5 30.0 1000 27.7  1.2 41.1 324
0.
SCHL 2  1.229 0   8 0.500 0.   0.   5.8  0.  2  0.512  2.000 14.250 11.950 01  9.0  1.2 42.3 30.0 1000 16.0  7.7 57.1 240
0.
****
**** Appendix C and upgrades
****
SPCo 2 72.000 0   1 0.   0.   0.  -12.7  0.  4125.000  0.   14.250 11.950 01 29.0  7.0 58.2 27.3 1000 42.4  7.0 56.0 251
0.
SPC& 2 72.000 0   1 0.   0.   0.  -12.7  0.  4125.000  0.   14.250 11.950 01 25.9 10.0 61.3 27.3 1000 42.4 10.0 59.3
214  0.
**** Jan 24, 1984 Application -- Spacenet III
SPC+ 2  1.03  0  46 0.750 0.   0.   -9.3  0.  4  1.544  1.5   14.25  11.95  01 -3.1  9.2 60.5 27.3 1000 23.4  9.2 59.0 250
0.
****
**** Nov 7, 1983 Application -- Spacenet IV
****
SPC+ 1 26.000 0   2 2.143 0.025  4.200 50.0 12.8 0  0.   40.000 14.250 11.950 01 17.4  9.2 60.5 27.3  750 37.5  7.0
56.0 204  0.
SPC+ 1 26.000 0   2 2.143 0.025  4.200 50.0 12.8 0  0.   40.000 14.270 11.970 01 17.4  9.2 60.5 27.3  750 37.5  7.0
56.0 204  0.
SPC+ 2 36.000 0   1 0.   0.   0.  -14.5  0.  4 60.000  0.   14.250 11.950 01 20.4  9.2 60.5 27.3  750 41.8  9.2 59.0 257
0.
SPC+ 2  1.029 0  20 0.750 0.   0.   -9.3  0.  4  1.544  1.3   14.250 11.950 01  6.6  5.0 55.3 27.3  750 25.0  5.0 53.8 234
0.
****
**** Ts = 870K, Gr = 29 dBi, G/T=-0.4 dB/K, SFD = -57 - Gr
**** eirp = Gt + 14.5 dBW:  EIRPs = 45.0 (Conus), 47.5 (East Half-Conus), and 48.5 dBW (West Half-Conus)
**** WU Ku Band links.  Pad setings 0, 3, 6, 9 dB.  Eirp(0 dB setting) to saturate = 78 dBW
**** stated requirement of 50 dB S/N for scpc/fm
****
WUc+ 1 54.000 0   1 3.571 0.025  4.200 56.  13.0 0  0.   0.   14.250 11.950 01 27.3  6.0 56.7 29.0  870 45.0  3.0 49.3
200  0.
WUc+ 1 54.000 0   1 3.571 0.025  4.200 56.  13.0 0  0.   0.   14.250 11.950 01 21.3  6.0 56.7 29.0  870 45.0  6.0 55.4
275  0.
WUc+ 1 24.000 0   2 2.143 0.025  4.200 49.  13.0 0  0.   26.000 14.250 11.950 01 22.3  6.0 56.7 29.0  870 40.5  6.0 55.4
275  0.
WUc+ 1 24.000 0   2 2.143 0.025  4.200 49.  13.0 0  0.   26.000 14.263 11.963 01 22.3  6.0 56.7 29.0  870 40.5  6.0 55.4
275  0.
WUc+ 2 45.714 0   1 0.   0.   0.   13.2  0.  4 80.000  0.   14.250 11.950 01 20.5  7.0 58.0 29.0  870 44.5  7.0 56.7 263
0.
WUcu 2 45.714 0   1 0.875 0.   0.   11.8  0.  4 80.000  0.   14.250 11.950 01 20.5  7.0 58.0 29.0  870 44.5  5.0 53.7 263
0.
WUc+ 2  1.19  0  14 0.875 0.   0.    9.1  0.  4  1.544  1.500 14.250 11.950 01  3.4  5.0 55.1 29.0  870 30.5  5.0 53.7 263
0.
WUc+ 2  1.19  0  16 0.875 0.   0.    9.1  0.  4  1.544  1.500 14.250 11.950 01  2.9  5.0 55.1 29.0  870 30.0  7.0 56.7 263
0.
WUc+ 3 0.0368 0  300 0.875 0.   0.    8.8  0.  4  0.056  0.080 14.250 11.950 01 -9.6  5.0 55.1 29.0  870 17.5  3.0 49.3
200  0.
WUc+ 3 0.0368 0  425 0.875 0.   0.    8.8  0.  4  0.056  0.080 14.250 11.950 01-11.1  5.0 55.1 29.0  870 16.0  5.0 53.7
263  0.
****
**** From: SAT-LOA-20020114-00008, S2434, Americom-9 @ 79 W.L.
****     Attachment B, SES-Americom, Filed 1/14/2002
****     NOTE: Receive gains on A12K rows corrected for:
****         2.4m (from 41.3, 49.3, and 41.8 to 447.4 dBi) and
****         6.0m (from 49.3 to 55.3 dBi).
```

```
A12K 2 36.000 0    1 0.531 0.    0.    0.  0.  4 40.000  0.    14.250 11.950 01 21.0  6.1 57.2 29.4  776 51.0  0.9 38.8 150
20.
A12K 3  5.300 0    5 0.750 0.    0.    0.  0.  4  8.000  7.200 14.250 11.950 01  8.2  3.7 52.8 29.4  776 36.7  2.4 47.4 150
20.
A12K 2 36.000 0    1 0.467 0.    0.    0.  0.  8 60.000  0.    14.250 11.950 01 21.0  6.1 57.2 29.4  776 51.0  2.4 47.4 150
25.
A12K 2 36.000 0    1 0.619 0.    0.    0.  0. 16 110.00  0.    14.250 11.950 01 21.0  9.0 60.5 29.4  776 51.0  6.0 55.3 150
25.
A12K 3  0.035 0   90 0.531 0.    0.    0.  0.  4  0.056  0.048 14.250 11.950 01 -3.0  1.8 46.6 29.4  776 19.5  1.2 41.8 150
22.
A12K 3  1.029 0   15 0.750 0.    0.    0.  0.  4  1.544  1.300 14.250 11.950 01  7.0  1.8 46.6 29.4  776 29.5  2.4 47.4 150
21.8
****
LOT8 1 27.000 0    2 2.200 0.001  4.200  0.  12.8 0  0.    0.    14.250 11.950 01 22.7  2.4 49.2 26.6  651 49.0  8.1 58.5
204 22.
LOT8 2 36.000 0    1 0.750 0.    0.    0.  0.  4 45.000  0.    14.250 11.950 01 21.5  5.5 56.1 26.6  651 48.8  5.5 54.5 275
25.
LOT8 3  1.800 0   10 0.    0.    0.    0.  0.  4  3.000  3.000 14.250 11.950 01  6.7  4.6 54.9 26.6  651 35.9  2.4 47.1 281
20.
LOT8 3  0.115 0  250 0.667 0.    0.    0.  0.  2  0.064  0.135 14.250 11.950 01 -3.0  1.8 46.2 26.6  651 21.9  9.2 59.5 174
20.
****
PAS  1 36.000 0    2 2.560 0.001  4.200  0.  12.8 0  0.    0.    14.250 11.950 01 19.6  4.6 54.9 26.6  912 48.0  1.8 44.9 309
22.
PAS  2 36.000 0    1 0.875 0.    0.    0.  0.  4 45.358  0.    14.250 11.950 01 19.6  4.6 54.9 26.6  912 48.0  1.8 44.9 309
20.9
PAS  3  2.275 0   15 0.667 0.    0.    0.  0.  4  3.000  3.000 14.250 11.950 01  8.9  4.6 54.9 26.6  912 37.3  1.8 44.9 309
21.2
PAS  3  0.064 0  220 0.500 0.    0.    0.  0.  4  0.064  0.090 14.250 11.950 01-10.6  4.6 54.9 26.6  912 17.8  1.8 44.9 309
20.
PAS  3  1.030 0   25 0.750 0.    0.    0.  0.  4  1.544  1.400 14.250 11.950 01  4.5  4.6 54.9 26.6  912 32.9  1.8 44.9 309
21.8
PAS  3  0.256 0  100 0.500 0.    0.    0.  0.  2  0.128  0.128 14.250 11.950 01 -8.6  4.6 54.9 26.6  912 19.8  1.8 44.9 309
17.0
```

Table C-29: ASIA version 1.2 input data for Baseline Digital Carriers

```
Baseline Digital Carriers                                                    12/9/03
****
**** These are reference full transponder and mult-carrier per transponder
**** carriers at the present Sec. 25.212 densities
**** (-14 dBW/4kHz uplink power density and 6 dBW/4kHz downlink EIRP density)
****
D1-6 2 54.000 0   1 0.   0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 26.5  7.0 58.0 27.5  800 46.5  7.0 57.0 250  0.
D2-6 2 36.000 0   1 0.   0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.8  7.0 58.0 27.5  800 44.8  7.0 57.0 250  0.
D3-6 2 16.600 0   3 0.   0.   0.   12.8  0.  2  8.800 17.000 14.250 11.950 01 19.4  7.0 58.0 27.5  800 39.4  3.0 50.0 250
0.
D4-6 2 15.15  0   3 0.500 0.   0.   -5.0  0.  2  6.312 17.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 41.0  5.0 53.8 250
0.
D5-6 2  1.029 0  30 0.750 0.   0.    7.5  0.  4  1.544  1.5   14.250 11.950 01 10.1  5.0 54.9 27.5  800 30.1  5.0 53.8 250
0.
D6-6 3  0.064 0 400 0.875 0.   0.   10.1  0.  2  0.056  0.080 14.250 11.950 01 -2.0  5.0 54.9 27.5  800 18.0  5.0 53.8 250
0.
****
**** These are reference full transponder and multi-carrier per transponder
**** carriers at the proposed 10 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 10 dBW/4kHz downlink EIRP density)
****
D1-X 2 54.000 0   1 0.   0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 26.5  7.0 58.0 27.5  800 50.5  7.0 57.0 250
0.
D2-X 2 36.000 0   1 0.   0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.8  7.0 58.0 27.5  800 48.8  7.0 57.0 250
0.
D3-X 2 16.600 0   3 0.   0.   0.   12.8  0.  2  8.800 17.000 14.250 11.950 01 19.4  7.0 58.0 27.5  800 43.4  3.0 50.0 250
0.
D4-X 2 15.15  0   3 0.500 0.   0.   -5.0  0.  2  6.312 17.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 45.0  5.0 53.8 250
0.
D5-X 2  1.029 0  30 0.750 0.   0.    7.5  0.  4  1.544  1.5   14.250 11.950 01 10.1  5.0 54.9 27.5  800 34.1  5.0 53.8 250
0.
D6-X 3  0.064 0 400 0:875 0.   0.   10.1  0.  2  0.056  0.080 14.250 11.950 01 -2.0  5.0 54.9 27.5  800 22.0  5.0 53.8
250  0.
```

Table C-30: ASIA version 1.2 input data for Full & Dual Wideband Digital Carriers

```
Full/Dual Digital Carriers                                                    12/19/03
****
**** These are reference full transponder carriers at the Sec. 25.212 densities
**** (-14 dBW/4kHz uplink power density and 6 dBW/4kHz downlink EIRP density)
06F1 2 54.000 0   1 0.   0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 26.5  7.0 58.0 27.5  800 46.5  7.0 57.0 250
0.
06F2 2 36.000 0   1 0.   0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.8  7.0 58.0 27.5  800 44.8  7.0 57.0 250
0.
06F3 2 36.0  0   1 0.750 0.   0.    5.9  0.  4 45.000  0.   14.250 11.950 01 24.8  5.0 54.9 27.5  800 44.8  5.0 53.8 250  0.
****
**** These are reference dual carrier per transponder carriers at the Sec. 25.212 densities
**** (-14 dBW/4kHz uplink power density and 6 dBW/4kHz downlink EIRP density)
06M1 2 16.600 0   1 0.   0.   0.   12.8  0.  2  8.800  0.   14.250 11.950 01 19.4  7.0 58.0 27.5  800 39.4  3.0 50.0 250  0.
06M1 2 16.600 0   2 0.   0.   0.   12.8  0.  2  8.800 18.000 14.250 11.950 01 19.4  7.0 58.0 27.5  800 39.4  3.0 50.0 250
0.
06M2 2 15.15  0   1 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 41.0  5.0 53.8 250
0.
06M2 2 15.15  0   2 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 41.0  5.0 53.8 250
0.
06M3 2 25.000 0   1 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 43.9  7.0 57.0 250
0.
06M3 2 25.000 0   2 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 43.9  7.0 57.0 250
0.
****
**** These are reference full transponder carriers at 10 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 10 dBW/4kHz downlink EIRP density)
10F1 2 54.000 0   1 0.   0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 26.5  7.0 58.0 27.5  800 50.5  7.0 57.0 250
0.
10F3 2 36.000 0   1 0.   0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.8  7.0 58.0 27.5  800 48.8  7.0 57.0 250
0.
10F5 2 36.0  0   1 0.750 0.   0.    5.9  0.  4 45.000  0.   14.250 11.950 01 24.8  5.0 54.9 27.5  800 48.8  5.0 53.8 250  0.
****
**** These are reference dual carrier per transponder carriers at 10 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 10 dBW/4kHz downlink EIRP density)
10M1 2 16.600 0   1 0.   0.   0.   12.8  0.  2  8.800  0.   14.250 11.950 01 19.4  7.0 58.0 27.5  800 43.4  3.0 50.0 250  0.
10M1 2 16.600 0   2 0.   0.   0.   12.8  0.  2  8.800 18.000 14.250 11.950 01 19.4  7.0 58.0 27.5  800 43.4  3.0 50.0 250
0.
10M2 2 15.15  0   1 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 45.0  5.0 53.8 250
0.
10M2 2 15.15  0   2 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 45.0  5.0 53.8 250
0.
10M3 2 25.000 0   1 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 47.9  7.0 57.0 250
0.
10M3 2 25.000 0   2 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 47.9  7.0 57.0 250
0.
****
**** These are reference full transponder carriers at 13 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 13 dBW/4kHz downlink EIRP density)
13F1 2 54.000 0   1 0.   0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 26.5  7.0 58.0 27.5  800 53.5  7.0 57.0 250
0.
13F3 2 36.000 0   1 0.   0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.8  7.0 58.0 27.5  800 51.8  7.0 57.0 250
0.
13F5 2 36.0  0   1 0.750 0.   0.    5.9  0.  4 45.000  0.   14.250 11.950 01 24.8  5.0 54.9 27.5  800 51.8  5.0 53.8 250  0.
****
**** These are reference dual carrier per transponder carriers at 13 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 13 dBW/4kHz downlink EIRP density)
13M1 2 16.600 0   1 0.   0.   0.   12.8  0.  2  8.800  0.   14.250 11.950 01 19.4  7.0 58.0 27.5  800 46.4  3.0 50.0 250  0.
13M1 2 16.600 0   2 0.   0.   0.   12.8  0.  2  8.800 18.000 14.250 11.950 01 19.4  7.0 58.0 27.5  800 46.4  3.0 50.0 250
0.
13M2 2 15.15  0   1 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 48.0  5.0 53.8 250
0.
13M2 2 15.15  0   2 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 48.0  5.0 53.8 250
0.
13M3 2 25.000 0   1 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 50.9  7.0 57.0 250
0.
13M3 2 25.000 0   2 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 50.9  7.0 57.0 250
0.
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****
**** These are reference full transponder carriers at 16 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 16 dBW/4kHz downlink EIRP density)
16F1 2 54.000 0   1 0.   0.   0.  -14.0  0.  4 90.000  0.   14.250 11.950 01 26.5  7.0 58.0 27.5  800 56.5  7.0 57.0 250
0.
16F3 2 36.000 0   1 0.   0.   0.  -14.0  0.  4 60.000  0.   14.250 11.950 01 24.8  7.0 58.0 27.5  800 54.8  7.0 57.0 250
0.
16F5 2 36.0  0   1 0.750 0.   0.    5.9  0.  4 45.000  0.   14.250 11.950 01 24.8  5.0 54.9 27.5  800 54.8  5.0 53.8 250  0.
****
**** These are reference dual carrier per transponder carriers at 16 dBW/4kHz downlink eirp density
**** (-14 dBW/4kHz uplink power density and 16 dBW/4kHz downlink EIRP density)
16M1 2 16.600 0   1 0.   0.   0.   12.8  0.  2  8.800  0.   14.250 11.950 01 19.4  7.0 58.0 27.5  800 49.4  3.0 50.0 250  0.
16M1 2 16.600 0   2 0.   0.   0.   12.8  0.  2  8.800 18.000 14.250 11.950 01 19.4  7.0 58.0 27.5  800 49.4  3.0 50.0 250
0.
16M2 2 15.15  0   1 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 51.0  5.0 53.8 250
0.
16M2 2 15.15  0   2 0.500 0.   0.   -5.0  0.  2  6.312 18.000 14.250 11.950 01 21.0  5.0 54.9 27.5  800 51.0  5.0 53.8 250
0.
16M3 2 25.000 0   1 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 53.9  7.0 57.0 250
0.
16M3 2 25.000 0   2 0.   0.   0.   11.4  0.  4 50.000 27.000 14.250 11.950 01 24.0  7.0 58.0 27.5  800 53.9  7.0 57.0 250
0.
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