Airspan Networks Inc. FCC ID:PIDASMAX3700

Environmental evaluation and exposure limit according to FCC CFR 47part 1, §1.1307, §1.1310

The transceiver SSRM 3.65GHz is classified as fixed (pole mounted) and limited for use in "Cisco 1000 series" products, i.e. more specifically in the outdoor platform "Cisco 1240".

The "Cisco 1240" engineering analysis as per FCC section 2.1093 was included in Application for certification under FCC ID:LDKALMT0556 (Supplementary Appendix to Report EDCS#1104807). Three modules

FCC ID:LDKALMT0556

FCC ID:N7NMC8705

FCC ID:SK9ITR9002

were evaluated for Maximum Permissible Exposure compliance.

The calculation with additional transmitter "SSRM 3.65GHz" for end-use multi-radio is provided below. The simultaneous transmission of 4 above mentioned transmitters is evaluated.

Limit for power density for general population/uncontrolled exposure is 1 mW/cm² for 1500 -100000 MHz frequency range.

The power density P (mW/cm²) = P_T / 4π r², where

 P_{T} is the transmitted power, which is equal to the peak transmitter output power plus maximum antenna gain.

26.8 dBm is the SSRM maximum conducted output power of the both RF chains (Table 7.1.3 of the AIRRAD_FCC.23306 test report), 5.6 dBi – antenna gain.

Table of estimated safe distance calculation

Tx	Frequency,	Peak T	x power	Antenna gain,	Duty	Power density,	Limit,	% of	
	MHz	dBm	mW	dBi	cycle	mW/cm ²	mW/cm ²	Std	
Tx1*	824-849	32.8	1905.5	2.5	1.0	0.67	0.56	1.206	
Tx2	3650-3700	26.8	478.6	5.6	1.0	0.346	1.0	0.346	
Tx3*	902-928	28.0	630.0	3.0	1.0	0.25	0.61	0.41	
Tx4*	2412-2462	11.3	13.5	4.0	1.0	0.006	1.0	0.066	
			•				Total	1.968	

Note: Recommended MPE distance is 20 cm when all antennas are within 20 cm of each other.

*- data used from Supplementary Appendix to Report EDCS#1104807, FCC ID:LDKALMT0556.

Total % of standard: Tx1 + Tx2 + Tx3 + Tx4 = 1.968

Distance (estimated) = $20 \times \sqrt{1.968} = 28 \text{ cm}$.

Below are given two cases of % MPE contour map and Table prepared in accordance with FCC recommendations worksheet

http://transition.fcc.gov/oet/ea/presentations/files/oct05/MPE-mobile.xls

Case 1: according to the calculation represented above and X=0.0, Y=0.0.

Case 2: X & Y values used from Antenna Location exhibit, FCC ID:LDKALMT0556:

X: -7.6, 7.6, 7.6, 7.6; Y: -5.9, -5.9, 5.9, 5.9.

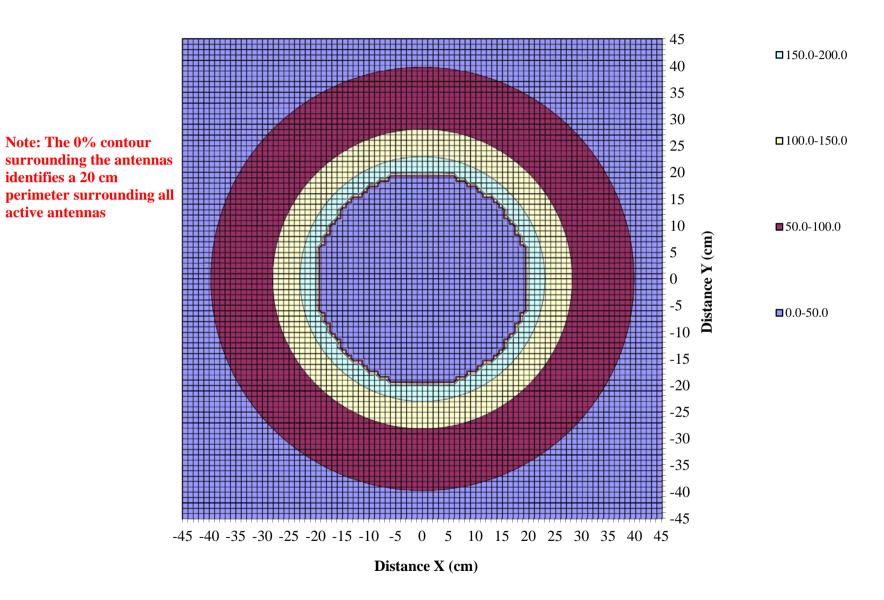
Distance (estimated) = $20 \times \sqrt{1.775} = 26.6 \text{ cm}$

Artenna No. Total	1 1 2 1 3	1415161																					
Tx Status Frequency MHz	On On On 836 3675 915	On Of Of Of 2442 1860 915	-					-			-	-	-		-	-							
MPE Link (Work)	0.56 1.00 0.61	100 000 000	-						-	-		-				-							
Power (W) 3.003 Antenna Grain (W)	1.900 0.479 0.630	0.013 0.000 0.000																					
ERP (W) 641	3.379 1.739 1.257	0.033 0.000 0.000																					
Y toni	00 00 00	00 00 00																					
Asc	FALSE FALSE FALSE	FALSE FALSE FALSE																					
6 input	-120 -120 -120 60 60 60	420 -120 -120 60 60 60																					
e, acus	-120 -120 -120 60 60 60	-120 -120 -120 60 60 60						++++		-+-+				-+-		+++							
45 44 45 194 193	20.3 20.8 21.2	21.7 22.2 22.7 23.	2 23.7 26.2 26.8	25.3 25.8 26.4 26.9	29 -28 -27 -26 -25 27.5 28.0 28.6 29.2 29.3	7 203 208 214 219 225 231	-18 -17 -16 -15 -14 23.5 24.0 24.5 25.0 25.1	-13 -12 -11 - 35.9 36.3 36.7 3	10 4 4 -7 17.1 27.4 27.7 28.0	20.2 20.4 20.6	28.7 28.8 28.9 28.9	28.9 28.8 28.7	28.6 28.4 28.2 28.0	27.7 27.4 27.1	11 12 13 14 36.7 36.3 35.9 35.5	15 56 17 5 35.0 34.5 34.0	18 19 20 21 23.5 23.0 22.5 21.1	9 21.4 20.8 20.3	26 26 27 28 29.7 29.7 29.7	27.5 26.9 26.4	22 29 34 35 36 25.8 25.3 24.8 24.2 23	7 232 227 222 217	41 42 43 44 45 212 208 203 199 194
44 19.9 20.3 49 20.3 20.8	20.8 21.3 21.8 22.3	22.3 22.8 23.3 23. 22.8 23.4 23.9 24. 23.4 24.0 24.5 25.	8 24.4 24.9 25.5 5 25.0 25.9 29.2	26.0 26.6 27.2 27.8 26.8 27.4 28.0 28.6	28.4 28.9 29.5 30.1 30.7 29.3 29.9 30.5 21.2 21.6	213 219 225 221 227 343 2 225 231 238 344 250 251	24.8 25.4 25.9 26.4 26.5 26.2 26.8 27.4 28.0 28.1	29.0 29.5 40.0 4	867 290 294 297 504 608 412 415	39.9 40.2 40.3 41.8 42.0 42.2	43.5 43.6 43.7 40.7 42.4 42.5 42.6 42.6	407 406 405 426 425 424	40.3 40.2 39.9 39.7 42.2 42.0 41.8 41.5	29.4 29.0 29.7 41.2 40.8 40.4	28.3 27.9 27.4 26.5 40.0 29.5 29.0 28.5	25.4 35.9 35.4 28.0 27.4 26.8	348 343 337 331 362 366 360 341	1 22.5 31.9 31.3	30.7 30.1 29.5 28.9 31.8 31.2 30.5 29.9	29.4 27.8 27.2 29.3 29.6 29.0	26 260 255 249 24 274 268 262 256 25	1 238 233 228 223 2 245 239 234 228	218 213 208 203 199 223 218 213 208 203
42 20.8 21.3 41 21.0 21.8	21.8 22.3 22.9	23.4 24.0 24.5 25	1 25.7 26.3 27.0	27.6 28.2 28.9 29.6 26.4 26.1 26.6 26.5	30.2 30.9 31.6 32.3 33.0 31.0 31.9 30.7 30.4 34.1	9 234 343 350 357 364 37. 949 958 964 971 979 391	27.7 28.4 29.0 29.6 40.2	407 413 418 4	02 427 431 434 43 447 451 456	437 440 442	46.4 46.5 46.6 46.6	64.6 64.5 64.4 66.6 66.7 66.6	442 440 497 494	43.1 42.7 42.2	41.8 41.3 40.7 40.3	2 286 280 284	37.7 37.1 36.4 35.1 39.3 39.6 37.6 37.1	7 250 343 236	23.0 22.3 21.6 20.9 34.1 29.4 29.7 21.9	202 296 299	29.2 27.6 27.0 26.3 25. 30.1 30.4 57.6 57.1 56.	25.1 24.5 24.0 23.4	22.9 22.3 21.8 21.3 20.8
2 33 23	22.8 23.4 24.0	24.6 25.2 25.9 26.	S 27.2 27.9 28.6	29.3 20.0 20.7 21.5	22.3 23.0 23.8 34.6 25.4	5 362 37.0 37.8 38.6 39.4 40.1 5 37.5 38.4 39.3 40.1 41.0 41.1	459 417 424 431 431	66.5 45.1 45.8 4	63 663 473 478	49.1 48.5 48.7 50.6 50.9 51.9	63.9 63.1 69.2 69.2	49.2 49.1 48.9 51.7 51.6 51.5	427 425 491 47.8 610 600 606 600	47.3 46.8 46.3	45.9 45.1 44.5 43.5	43.1 42.4 41.7	43.9 40.2 39.4 38.4	6 27.8 27.0 36.2 1 29.3 29.4 27.5	35.4 34.6 23.8 23.0	22.3 21.5 20.7	30.0 29.3 28.6 27.9 27. 00.0 00.0 00.4 00.7 00.	2 265 259 252 246	24.0 23.4 22.8 22.3 21.7
36 22.7 23.3 37 23.2 23.8	23.9 24.5 25.2	25.9 26.6 27.3 28	9 29.7 29.5 30.3	21.1 21.9 22.7 23.6	345 353 362 371 361	29.0 29.9 40.8 41.8 42.7 43.4	44.5 45.4 46.3 47.2 48.0	49.0 49.6 50.3 5	10 514 522 527	532 536 539	54.2 54.4 54.5 54.5	545 544 542	539 534 532 527	50.2 51.6 51.0	503 496 468 460	672 463 454	445 496 427 413	8 408 299 290	28.1 27.1 26.2 26.3	345 236 227	31.9 31.1 30.3 29.5 28	7 280 273 266 259	252 245 239 233 227
\$ 227 244	25 27 24	272 260 267 26	5 50.4 51.2 52.1	20 29 34 25	369 379 369 399 410	421 431 442 453 464 471	48.6 49.7 50.7 51.8 52.5	537 547 554 5	44 572 579 585	59.1 59.6 60.0	603 606 607 608	607 606 603	600 596 591 595	81 81 64	554 547 557 554	518 507 497	486 475 464 45	3 442 411 421	41.0 29.9 29.9 27.9	341 359 349	20 20 21 22 2	295 287 286 272	24 27 20 24 27
34 24.8 25.5	26.2 27.0 27.8	29.6 29.4 30.3 31.	2 22.1 23.1 34.1	26.1 26.1 27.2 28.3	29.4 43.6 41.8 43.0 44.2	45.5 46.7 48.0 49.3 50.6 51.1	53.2 54.5 55.9 57.0 58.3	59.4 60.6 61.7 6	27 637 645 653	66.1 66.7 67.2	67.6 67.9 69.1 69.1	66.1 67.9 67.6	672 667 661 663	64.5 63.7 62.7	61.7 60.6 59.4 59.3	57.0 55.8 54.5	53.2 51.9 50.6 49.3	3 480 467 455	46.2 49.0 41.8 40.6	29.4 29.3 27.2	36.1 26.1 34.1 23.1 22.	31.2 30.3 29.4 29.6	27.8 27.0 26.2 25.5 24.8
2 21 21	27.4 28.2 29.1	772 280 287 28 279 287 295 30 286 284 303 31 293 502 211 32 300 309 319 32 307 317 327 33 315 325 336 34	23.9 25.0 26.1	273 264 297 459	422 436 449 462 475	673 M7 901 113 M9 901 6 692 507 522 537 553 561	58.4 600 61.5 62.0 64.1	660 674 688 7	0.1 71.3 72.4 72.4	74.2 75.1 75.2	N.2 N.6 N.8 N.9	76.6 76.6 76.2	75.7 75.1 74.3 72.4	72.4 71.3 70.1	68.9 67.4 66.0 64.5	63.0 61.5 60.0	52.4 56.9 56.3 53	7 522 507 492	47.8 46.3 44.9 43.6	42.2 40.9 29.7	204 273 261 260 23	229 219 209 200	28.1 28.2 27.4 28.6 28.8
30 26.9 27.8	28.6 29.6 20.5	31.5 32.5 32.6 34	2 36.9 36.0 37.2 7 36.9 37.1 38.3	39.6 40.9 42.3 43.7	45.2 46.8 48.3 50.0 51.6	51.2 52.8 56.5 56.2 57.9 58.1 5 53.3 56.1 56.9 58.7 60.6 62	643 662 681 700 714	1 72.7 75.4 77.1 3	92.7 80.3 81.7 83.0	94.1 SS.1 SS.0	85.6 87.1 87.4 87.5	97.4 97.1 95.5	80.0 85.1 84.1 82.0	81.7 SG3 73.7	72.8 71.3 69.7 68.1 77.1 75.4 72.7 71.8	700 681 662	64.3 62.4 60.6 58.3	2 545 528 512 7 569 551 533	\$1.6 SOD 49.3 46.8	45.2 43.7 42.3 45.2 43.7 42.3	997 384 372 380 38 609 396 383 371 35	9 347 336 325 315	26.5 26.6 28.6 27.8 26.9
29 27.5 28.4 28 28.0 28.9	29.9 30.9 31.9	323 333 345 35 330 342 353 36	6 368 391 394 6 379 392 436	408 422 437 452 420 436 451 468	48.5 50.2 52.0 53.9 55.5 48.5 50.2 52.0 53.9 55.6	556 975 994 414 994 651 9 979 600 921 642 665 691 9 603 928 649 673 697 722 6 629 653 479 705 722 751	21.1 73.4 75.7 78.0 80.1	79.0 79.9 91.9 9 1 92.6 94.8 97.0 6	97 854 870 985 91 910 929 945	96.0 97.3 98.4	99.3 99.9 100.3 100.4	100.3 99.9 99.3	91.9 90.9 99.8 99.5 98.4 97.3 96.0 94.5	97.0 95.4 93.7 92.9 91.0 99.1	87.0 94.8 92.6 90.3	73.9 71.8 69.7 78.0 75.7 73.4	71.1 60.0 60.5 64.1	4 594 57.5 556 3 621 600 57.9	\$3.7 \$1.9 \$0.2 48.5 \$5.9 \$3.9 \$2.0 \$0.2	46.8 45.2 43.7 48.5 46.9 45.1	422 408 294 281 36 436 420 406 292 37	9 366 365 393 323 9 366 353 342 320	312 302 293 284 275 319 309 299 289 280
27 28.6 29.5 26 29.2 30.1	30.5 31.6 22.7 31.2 32.3 33.4	23.8 26.0 26.2 27. 34.6 26.8 27.1 28.	5 38.9 40.3 41.8 5 38.9 41.4 43.0	433 449 466 483 446 463 481 500	50.2 52.0 54.0 56.0 58.3 51.9 53.9 56.0 58.2 60.5	0 603 626 649 673 697 723 6 629 653 679 705 722 751	74.8 77.3 79.9 82.5 85.1 7 78.7 81.6 84.5 87.4 90.3	97.7 90.2 92.6 S 93.2 96.0 98.8 S	6.0 97.2 99.3 101.2 01.5 104.0 106.4 108.6	102.9 104.4 106.7 110.6 112.3 113.8	106.7 107.4 107.9 108.0 114.9 115.8 116.3 116.5	107.9 107.4 106.7 116.3 115.8 114.9	106.7 104.4 102.9 101.2 113.8 112.3 110.6 108.6	99.3 97.2 95.0 106.4 104.0 101.5	926 902 977 951 988 960 992 903	82.5 79.9 77.3 8 97.4 94.5 91.6	74.8 72.2 69.7 67.1 79.7 75.9 73.2 70.1	3 649 626 603 5 679 653 629	58.2 56.0 54.0 52.0 60.5 58.2 56.0 53.9	502 4k3 4k6 519 500 4k1	66.9 49.3 41.8 40.3 38. 66.3 66.6 43.0 41.4 29.	9 37.5 36.2 36.0 23.8 9 38.5 27.1 26.8 34.6	32.7 31.6 30.5 29.5 28.6 33.4 32.3 31.2 30.1 29.2
26 29.7 30.7 24 30.3 31.3	31.8 33.0 34.1 32.5 33.6 34.9	35.4 36.7 36.1 39. 36.2 37.5 39.0 40.	5 410 426 442 5 421 437 455	45.9 47.8 48.6 51.6 47.3 49.2 51.2 53.3 48.7 50.7 52.8 55.1 50.1 52.2 54.5 56.9	55.6 57.9 60.3 62.9 65.6	664 682 710 739 768 791 684 713 743 774 807 841	97.5 91.0 94.6 98.3 102	99.2 102.4 105.5 5	16.5 119.8 123.0 126.0	199.1 121.1 122.6	124.2 125.2 125.8 126.0 124.6 125.8 126.5 126.7	136.6 136.2 134.2	120.8 121.1 119.1 119.8	114.3 111.5 108.6	105.5 102.4 99.2 95.5	0 983 946 910	82.0 79.9 76.8 72.1 87.5 84.0 80.7 77.4	4 743 713 684	65.6 62.9 60.3 57.9	53.7 51.6 ex.6 55.6 53.3 51.2	67.6 65.9 64.2 42.6 41. 69.2 67.3 45.5 43.7 42.	9 995 301 307 364 1 405 390 375 362	34.1 33.0 31.8 30.7 29.7 34.9 23.6 22.5 31.3 30.3
22 20.8 21.9 22 21.4 22.5	23.1 24.3 25.6	37.0 28.4 29.9 41. 27.8 29.3 40.8 42.	5 43.1 44.9 46.7 5 44.2 46.1 48.0	49.7 50.7 52.8 55.1 50.1 52.2 54.5 56.9	57.5 60.0 62.6 65.3 68.3 59.4 62.1 64.9 67.9 71.0	2 713 744 777 812 848 883 0 743 777 813 851 891 992	92.3 96.3 100.3 104.4 108. 97.5 101.9 106.4 111.1 115.	112.8 117.0 121.1 1 120.6 125.4 120.1 1	25.2 129.1 132.8 136.2 34.8 129.4 143.7 147.7	199.4 142.1 144.5	166.4 147.7 148.6 148.8 159.7 161.4 162.4 162.7	162.6 567.7 566.4	164.5 162.1 139.4 136.2 157.5 154.7 151.4 147.7	132.8 129.1 126.2 143.7 129.4 134.8	121.1 117.0 112.8 108.1	9 104.4 100.3 96.3 8 111.1 106.4 101.9	923 985 948 913 975 902 991 951	2 77.7 74.4 71.3	71.0 67.9 64.9 60.0	57.5 55.1 52.8 59.4 59.9 54.5	507 497 467 449 43 522 501 480 461 44	1 41.5 29.9 28.4 27.0 2 42.5 40.8 29.3 27.8	35.6 34.3 33.1 31.9 30.8 36.4 35.0 23.8 32.5 31.4
21 21.9 23.1	34.4 35.7 37.1 35.0 36.4 37.0	29.6 40.1 41.8 43	S 453 473 493 S 464 495 506	515 597 562 587	61.4 64.3 67.3 70.5 72.5	9 77.4 81.2 85.1 89.3 99.6 96.1 9 90.7 84.8 89.1 99.6 99.4 10.0	5 102.9 107.9 119.0 118.2 120. 5 108.9 114.9 120.0 126.0 120.	6 129.1 134.6 140.1 5 1 139.4 144.7 151.1 1	45.5 150.8 155.9 160.7 57.5 160.7 160.7 175.4	165.1 169.0 172.9	175.0 176.9 178.1 178.5	179.1 176.9 175.0 196.4 194.0 192.6	172.3 169.0 165.1 160.7 160.3 165.3 180.6 175.4	100.0 100.0 140.0	160.1 134.6 129.1 129.1	1 1960 1900 1943	100 9 99.2 99.6 99. 100 8 100 5 99.4 99.6	9 651 812 77.4 6 991 849 807	73.9 70.5 67.3 64.3 76.0 79.9 69.7 66.5	614 597 562	597 515 493 473 45 659 509 506 485 48	435 418 401 386 445 427 410 394	97.1 36.7 34.4 39.1 31.9 97.8 36.4 36.0 39.7 39.6
19 23.0 34.3	35.6 27.1 28.6 96.7 97.7 98.7	40.2 41.8 43.6 45 40.0 40.7 A4.5 46	5 47.5 49.6 51.9 5 48.6 50.9 50.9	515 507 562 567 529 563 579 608 543 569 586 624 567 564 613 643 571 600 610 662	65.5 68.8 72.2 75.9 79.5	9 840 885 932 982 1035 109 1 875 973 975 1079 1089 114	1 1149 121.1 1276 1344 141.	4 168.6 155.9 160.4 1 4 169.7 169.0 176.6 1	70.8 178.1 185.3 182.0	60 00 00	00 00 00 00	0.0 0.0 0.0	0.0 0.0 0.0 192.0	185.3 179.1 170.8	160.4 155.9 168.6 141.	4 136.4 127.6 121.1	114.9 109.1 109.5 98.	2 932 885 840	79.9 75.9 72.2 68.8 83.0 78.7 74.8 71.1	65.5 62.4 59.6	50.9 54.3 51.9 48.6 47. 50.4 50.7 53.9 50.8 49.	45.5 43.6 41.8 40.2 46.5 A4.5 40.7 40.0	28.6 27.1 25.6 34.3 23.0 26.1 27.1 26.0 34.0 27.6
17 34.0 35.4	26.8 28.4 40.0	41.7 43.5 45.4 47.	5 es7 520 545	57.1 600 630 662	69.7 73.4 77.3 81.6 86.1	91.0 96.3 101.9 107.9 114.3 121.	1 129.5 136.2 164.5 163.2 162	4 171.9 181.9 192.0	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	192.0 191.8 171.9 162	4 153.2 144.5 136.2	128.5 121.1 114.3 107.	9 101.9 96.3 91.0	86.1 81.6 77.3 73.4	697 662 630	60.0 57.1 54.5 52.0 49.	7 475 464 495 417	400 384 368 354 340
15 35.0 36.4 14 36.6 36.9	38.0 38.6 41.3 98.5 40.2 42.0	43.1 45.1 47.2 49.	6 51.8 54.3 57.0 6 60.8 60.4 60.0	585 615 647 681 599 630 664 700	73.9 78.0 82.5 87.4 92.6	983 5044 111.1 118.2 126.0 134. 100.0 108.6 116.8 103.6 122.1 141.	4 149.4 159.2 169.7 175.0 187.	0 00 00 00 1	0.0 0.0 0.0 0.0	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 0.0 0.0 187/	0 175.0 169.7 159.2	143.4 134.4 126.0 118. 151.4 141.4 199.1 199	2 111.1 104.4 98.3	92.6 97.4 92.5 78.0	73.9 70.0 66.4	62.0 59.9 57.0 54.3 51. 64.5 61.9 68.9 65.4 59	6 49.4 47.2 45.1 43.1	413 286 280 264 260
12 25.9 27.4	38.5 40.2 42.0 38.0 40.7 42.6	44.5 46.6 49.8 51.	2 53.7 56.5 59.4	626 660 697 737	78.0 82.6 87.7 99.2 99.3	105.7 112.8 120.6 129.1 128.4 148.	9 159.7 171.9 195.3 0.0 0.0	00 00 00	00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 195.3 171.9	159.7 148.6 138.4 129.	1 120.6 112.8 106.7	99.2 99.2 87.7 82.6	78.0 73.7 69.7	66.0 62.6 59.4 56.5 53	512 468 466 445	424 407 290 274 269
11 27 23	995 413 431 400 418 437	45.9 49.0 50.3 52	55.6 58.5 61.7	66.1 66.8 72.8 77.1	81.9 87.0 82.6 98.8 105	5 113.0 121.1 130.1 140.1 151.1 163.	4 176.9 192.0 0.0 0.0 0.0	65 65 60	00 00 00 00	65 60 60	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 1920	176.9 163.4 151.1 163	1 130.1 121.1 113.0	1055 988 926 970	91.9 27.1 22.8	61 61 67 61 6	\$28 503 460 458	43.7 41.8 40.0 28.3 26.7
9 27.4 29.0	40.8 42.7 44.7	46.8 49.2 51.6 54	57.2 60.3 63.7	67.3 71.3 75.6 90.3	82.7 89.1 85.0 101.5 108.1 85.4 91.0 97.2 104.0 111.1	5 119.8 129.1 129.4 150.8 162.7 178.	1 194.4 0.0 0.0 0.0 0.0	60 60 00	0.0 0.0 0.0 0.0	60 00 00	00 00 00 00	00 00 00	0.0 0.0 0.0 0.0	00 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0	194.4 179.1 169.7 150.	8 139.4 129.1 119.8	1115 1040 972 910	65.4 80.3 75.6	71.2 67.3 69.7 69.3 57.	543 516 492 468	647 427 40.8 29.0 27.4
7 260 267	415 434 455	478 502 527 55	S 585 619 653	692 724 780 820	885 945 1012 1086 1161	9 1360 1362 1477 1607 1754 192 1 1297 1294 1514 1651 1806 00 1 1210 1621 1547 1680 1853 00	0 00 00 00 00 00	90 90 90	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 192.0 175.4 160	7 1477 1362 1260	116.9 106.4 99.3 92.9 116.8 108.6 101.2 94.5	985 830 280	724 692 653 618 59	5 555 527 502 478	455 434 415 297 290
5 384 402	42.0 44.0 46.2	48.5 SOS SSG S6	5 59.5 62.0 66.7	70.7 76.1 79.9 86.1	90.9 97.3 104.4 112.3 121.	1 131.0 142.1 154.7 168.0 185.3 0.0	00 00 00 00 00	60 60 60	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 00 00 0.0	0.0 0.0 0.0	0.0 00 185.3 169.	10 154.7 142.1 131.0	119.1 110.6 102.9 96.0 121.1 112.3 104.4 97.3	909 851 799	76.1 70.7 66.7 60.0 59.	56.0 53.2 50.6 49.1 56.5 53.6 50.9 49.5	46.9 43.7 41.8 28.9 38.2 46.2 44.0 42.0 40.2 38.4
3 307 405	42.4 64.4 66.6	48.9 51.5 54.2 57	603 638 676	71.7 76.2 81.2 86.6	92.6 99.3 106.7 116.9 126.	8 1200 1445 1075 1723 1892 00 2 1346 1464 1597 1750 1825 00 2 1355 1477 1814 1783 1899 00 8 1365 1487 1824 1781 1864 00	00 00 00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 0.0 192.5 175	0 159.7 146.4 134.6	1242 1149 1067 993	926 966 912	76.2 71.7 67.6 60.8 60.	57.1 542 515 48.9	46.6 44.4 42.4 40.5 39.7
2 36.8 40.6 1 36.9 40.7	425 445 468 426 446 468	49.2 51.7 54.5 57.	5 607 642 681	72.0 76.8 81.9 87.4 72.2 76.8 81.9 87.4	93.5 100.3 107.9 119.3 125.0	2 136.5 148.6 162.4 178.1 196.4 0.0	00 00 00 00 00	60 60 60	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 00 196.4 178.	19 191.4 147.7 135.8 11 192.4 148.6 136.5	125.8 116.3 107.9 100.3	93.5 87.4 81.9	76.8 72.2 68.1 64.2 60.	7 57.5 54.5 51.7 49.2	667 645 625 636 288 668 646 626 637 289
0 39.9 40.7 -1 39.9 40.7	426 446 468 426 446 468 425 445 467	49.2 51.8 54.5 57. 49.2 51.7 54.5 57.	5 608 643 681 5 607 642 681	72.2 76.9 81.9 87.5 72.2 76.8 81.9 87.4	93.6 100.4 108.0 116.5 126.1 93.5 100.3 107.9 116.3 125.1	0 136.7 148.6 162.7 178.5 196.9 0.0 9 136.5 148.6 162.4 178.1 196.4 0.0	00 00 00 00 00	80 80 80	00 00 00 00	60 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 0.0 196.9 178	15 162.7 148.8 136.7 11 162.4 148.6 136.5	126.0 116.5 108.0 100.4 126.8 116.3 107.9 100.3	93.6 87.5 81.9	No.9 723 681 643 60 No.8 722 681 642 60	7 575 545 518 492 7 575 545 517 492	46.8 44.6 42.6 40.7 20.9 46.8 44.6 42.6 40.7 20.9
-2 39.8 40.6 -3 39.7 40.5	42.5 64.5 46.7 42.4 64.4 66.6	49.1 51.6 54.4 57. 49.9 51.5 54.2 57.	3 60.6 64.1 67.9 1 60.3 63.8 67.6	72.0 76.6 81.6 87.1 71.7 76.2 81.2 86.6	93.2 99.9 107.4 115.8 125.3 92.6 99.3 106.7 114.9 124.3 91.9 98.4 106.7 113.8 122.3	2 136.8 147.7 161.4 176.9 196.9 00 2 136.6 166.4 158.7 175.0 192.5 00	00 00 00 00 00	00 00 00 1	0.0 0.0 0.0 0.0	00 00 00	00 00 00 00	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 194.9 176. 0.0 0.0 192.5 175.	L9 191.4 147.7 135.8 L0 159.7 146.4 134.6	125.2 115.8 107.4 96.9 124.2 114.9 106.7 96.3 122.8 113.8 105.7 98.4	99.2 87.1 81.6 92.6 86.6 81.2	76.6 72.0 67.9 64.1 60. 76.2 71.7 67.6 63.8 60.	9 57.3 54.4 51.6 49.1 3 57.1 54.2 51.5 48.9	46.6 44.4 42.4 40.5 39.7
4 384 403	422 442 464	49.7 51.2 53.9 56: 49.5 50.9 53.6 56	9 600 634 672 5 586 630 667	71.3 75.7 80.6 86.0	91.9 98.4 1067 113.8 122.1	9 133.0 144.5 157.5 172.3 189.3 0.0 1 131.0 142.1 154.7 169.0 185.3 0.0	00 00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 0.0 189.3 172.	13 157.5 144.5 133.0	122.8 113.8 105.7 98.4 121.1 112.3 104.4 97.3	90.9 85.1 79.9	75.7 71.3 67.2 63.4 60. 75.1 70.7 66.7 60.0 59.	3 56.9 53.9 51.2 49.7	46.4 44.2 42.2 40.3 38.6
4 382 399 -7 380 397	41.8 43.7 45.9 41.5 43.4 45.5	48.1 50.6 53.2 56. 47.8 50.2 52.7 55.	0 59.1 62.4 66.1 5 58.5 61.9 65.3	70.0 74.3 79.0 94.1 69.2 73.4 79.0 93.0	89.8 96.0 102.9 110.6 119. 88.5 94.5 101.2 108.6 119.	1 171.0 162.1 156.7 168.0 185.2 0.0 1 128.7 128.4 155.4 165.1 180.0 0.0 8 128.0 138.2 167.7 166.7 175.4 182. 2 123.0 132.8 143.7 155.9 168.7 185.	0.0 0.0 0.0 0.0 0.0		00 00 00 00	00 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 00 00 0.0	0.0 0.0 0.0	0.0 192.0 175.4 160.	15 151.4 139.4 129.7 17 147.7 136.2 126.0	119.1 110.6 102.9 96.0 116.8 109.6 101.2 94.5	99.8 84.1 79.0 98.5 82.0 79.0	74.3 70.0 66.1 62.4 59. 73.4 69.2 65.3 61.8 58.	5 56.0 53.2 50.6 48.1 5 55.5 52.7 50.2 47.8 9 54.9 52.2 49.7 47.3	652 640 620 602 364 659 637 618 289 382 655 634 615 297 380
4 277 294 9 274 29.0	412 43.1 45.1 40.8 42.7 44.7	47.3 49.7 52.2 54 49.8 49.2 51.6 54	9 57.9 61.1 64.5	683 724 768 817 673 713 756 803	87.0 92.9 99.3 106.4 114. 85.4 91.0 97.2 106.0 111.	3 123.0 122.0 143.7 155.9 169.7 185. 5 119.8 129.1 129.4 150.8 162.7 178.	3 00 00 00 00 00 00 1 1944 00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00								
					85.4 91.0 97.2 104.0 111. 83.7 89.1 95.0 101.5 108.0 81.9 87.0 92.6 98.8 105.	6 116.5 125.2 134.8 145.5 157.5 170. 5 113.0 121.1 130.1 140.1 151.1 140.	8 1857 0.0 0.0 0.0 0.0 4 1769 1920 0.0 0.0 0.0	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	195.7 170.8 157.5 145. 176.9 163.4 151.1 140.	5 134.8 125.2 116.5 11 130.1 121.1 113.0	108.6 101.5 96.0 89.1 105.5 99.8 92.6 97.0	93.7 79.7 74.2 93.9 77.1 72.8	70.1 66.2 62.7 59.4 56. 68.8 66.1 61.7 58.5 55.	543 516 492 468 1 536 510 486 463 1 528 503 480 458	64.2 42.2 40.4 38.7 37.1 43.7 41.8 40.0 38.3 36.7
-12 363 37.9 -13 969 97.4	29.5 41.3 43.1 99.0 40.7 42.6	45.1 47.3 49.6 52 44.5 46.6 49.0 51	0 54.7 57.5 60.6 0 51.7 56.5 59.4	62.9 67.4 71.3 75.4	79.9 84.8 90.2 96.0 102-	6 100.6 117.0 125.6 134.6 144.7 155. 905.7 112.8 120.6 120.1 138.6 148.	9 1482 1918 1969 0.0 0.0	60 60 60 1	0.0 0.0 0.0 0.0	66 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	00 00 00	00 00 00 00	0.0 196.9 181.8	1682 1559 1667 136	16 125.4 117.0 109.4	1024 96.0 90.2 84.8 99.2 90.2 97.7 82.6	78.9 75.4 71.3	97.4 69.9 60.6 57.5 54. 66.0 69.6 59.4 56.5 59.	2 520 496 473 451 2 513 499 466 445	43.1 41.3 29.5 27.9 26.3
-14 255 269 -15 250 264	385 402 420 380 386 413	439 459 490 50 431 451 472 49	9 528 554 582 4 518 543 570	613 645 681 718 599 630 664 700	75.9 80.3 85.1 90.3 95.5 73.9 78.0 82.5 87.4 92.6	9 100.0 108.6 115.8 123.6 132.1 141. 98.3 108.4 111.1 118.2 128.0 124.	4 151.4 162.4 174.2 197.0 0.0 4 143.4 153.2 163.7 175.0 197.	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	197.0 174.2 162.4 0 175.0 163.7 153.2	151.6 141.6 132.1 123 143.4 134.4 126.0 118	6 115.8 108.6 102.0	95.9 90.3 95.1 90.3 92.6 97.4 92.5 78.0	75.9 71.8 68.1	94.5 91.3 SB.2 SS.4 S2	9 503 480 459 438 484 472 451 431	42.0 40.2 39.5 36.9 36.6 41.3 29.6 39.0 36.4 36.0
-16 34.5 35.9 -17 34.0 35.4	27.4 29.0 43.7 36.8 39.4 43.0	42.4 44.3 46.3 48. 41.7 40.5 46.4 47	S 50.7 53.2 55.8 S 49.7 52.0 54.5	50.5 61.5 64.7 68.1	71.8 75.7 79.9 94.5 99.4 69.7 79.4 77.9 91.6 96.1	94.6 100.3 106.4 113.0 120.0 127.	6 135.8 144.5 153.8 163.7 174.	2 185.3 196.9 0.0 1	0.0 0.0 0.0 0.0			00 00 00		00 00 00	0.0 196.9 185.3 174.	2 160.7 150.8 146.5	195.8 127.6 120.0 113.	0 1064 1003 946	99.4 94.5 79.9 75.7 96.1 91.6 77.9 79.4	71.8 69.1 64.7	91.5 59.5 55.8 53.2 50. 90.0 57.1 54.5 57.0 49	485 463 443 424	407 280 274 259 345
-18 23.5 34.8 -19 200 34.1	26.2 27.7 29.3	40.9 42.7 44.5 46	5 48.6 50.8 53.2 5 47.5 49.6 51.9	55.7 59.4 613 643	67.6 71.1 74.8 79.7 83.0 65.5 68.9 71.0 76.0 76.0	91.0 96.3 101.9 107.9 114.3 121. 0 97.5 92.3 97.5 102.9 108.0 114. 0 94.0 98.5 98.2 98.2 102.5 109. 95.7 94.8 99.1 92.6 98.4 102.	9 121.5 128.5 126.8 143.4 151.	159.7 168.2 176.9 1	95.7 194.4 0.0 0.0 20.6 178.1 165.3 192.0	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 194.4 195.7	176.9 168.2 159.7 151.	4 143.4 135.8 128.5 4 138.4 127.6 101.1	121.5 114.9 108.8 102	9 975 923 875	83.0 79.7 74.8 71.1	67.6 64.3 61.3	59.4 55.7 53.2 50.8 48. 66.6 54.6 54.6 49.6 47.	465 445 427 409	600 284 569 364 340 993 277 362 348 205 284 27.1 356 343 205 278 284 30.0 237 255 27.1 267 344 20.1 215
-20 325 337	35.0 36.4 37.8	29.4 41.0 42.7 44.	5 46.4 48.5 50.6	529 553 579 606	634 665 697 732 765	907 948 991 934 984 103	5 108.8 114.3 120.0 126.0 132	1 1384 1447 151.1 1	57.5 163.7 169.7 175.4	1904 1953 1993	1925 1949 1964 1969	0.0 0.0 0.0 196.4 196.9 192.5	1993 1953 1936 1754	169.7 169.7 157.5	151.1 144.7 138.4 132	1 126.0 120.0 114.3	108.8 103.5 99.4 90.6	6 99.1 84.9 90.7	76.9 73.2 69.7 66.5	63.4 60.6 57.9	55.5 52.9 50.6 48.5 46.	445 427 410 394	27.8 26.4 26.0 23.7 22.6
22 214 225	22.8 25.0 26.4	37.8 29.9 40.8 42	5 442 461 480	501 522 545 569	594 621 649 679 716	77.4 912 95. 90. 92 92 92 93 94 94 94 94 94 94 94 94 94 94 94 94 94	97.5 101.9 106.4 111.1 115.	1206 1254 1301 1	36.8 139.4 143.7 147.7	151.4 154.7 157.5	1597 1614 1624 1627	162.4 191.4 159.7	157.5 1547 1514 147.7	149.7 139.4 134.8	1901 1254 1206 1151	9 111.1 106.4 101.9 6 104.4 100.3 96.3			710 679 649 621 682 663 626 600		522 501 480 461 44	2 425 408 393 378 1 415 399 384 370	
-24 303 313	22.5 23.6 34.9	36.2 37.5 39.0 40.	62.1 63.7 65.5	47.3 49.2 51.2 53.3	55.6 57.9 60.3 62.9 65.6	68.4 71.3 74.3 77.4 80.7 84.1	97.5 91.0 94.6 98.2 100	105.7 109.4 119.0 1	16.5 119.8 123.0 126.0	129.7 131.0 122.0		136.5 136.9 134.6		122.0 119.8 116.5	113.0 109.4 105.7 102.	0 983 946 91.0	97.5 94.0 90.7 77.4	4 743 713 684	65.6 62.9 60.3 57.9	55.6 53.3 51.2		405 290 275 262	24.9 22.6 22.5 21.3 20.3
8 82 81	212 223 234	346 268 271 28	299 414 410	446 662 681 500	51.9 53.9 56.0 58.2 60.5	629 653 679 705 732 751	78.7 816 845 874 90	992 960 988 9	01.5 104.0 106.4 108.6 6.0 97.2 99.3 101.2	1996 1923 1926			122.8 121.1 119.1 119.8 113.8 112.3 110.6 108.6 106.7 104.4 102.9 101.2	106.4 108.0 101.5	1055 1024 992 953 988 960 992 903	824 845 814			605 562 560 538			385 371 358 346 375 362 360 338	204 223 212 201 202
-28 28.0 28.9	29.9 30.9 31.9	22.0 24.2 25.2 26.	27.9 29.2 40.6	42.0 43.6 45.1 46.8	48.5 50.2 52.0 53.9 55.5	9 57.9 60.0 62.1 64.3 66.5 66.1	71.1 72.4 75.7 78.0 80.3	92.6 94.8 97.0 S	91 910 929 945 927 854 870 985	96.0 97.3 98.4	99.3 99.9 100.3 100.4	100.3 99.9 99.3 93.5 93.2 92.6	98.4 97.3 96.0 94.5	92.9 91.0 89.1	87.0 94.8 92.6 90.3	2 78.0 75.7 72.4 2 72.9 71.8 69.7	71.1 69.8 66.5 64.3	3 621 600 57.9	55.9 53.9 52.0 56.2 53.7 51.9 50.2 48.5	48.5 46.9 45.1	42.6 42.0 40.6 29.2 27.	366 263 342 220	21.9 20.9 29.9 29.9 29.0
-29 27.5 28.4 -30 26.9 27.8	283 202 31.2 284 294 205 280 289 298	31.5 32.5 33.6 34.	2 35.9 37.1 38.3	396 409 423 437	452 468 483 500 518	033 051 069 087 006 00	643 662 681 700 714			841 851 860	956 87.1 87.4 87.5	97.4 97.1 96.6 91.9 81.6 81.2	91.9 90.9 99.0 98.5 96.0 85.1 84.1 89.0	817 803 787								347 236 225 315	205 286 286 278 269
		30.7 31.7 32.7 33. 30.0 30.9 31.9 32.	8 34.9 36.0 37.2 9 33.9 35.0 36.1	37.3 28.4 29.7 40.9	42.2 43.6 44.9 46.3 47.5	6 512 528 545 562 579 591 6 482 507 522 537 553 561	58.4 60.0 61.5 63.0 64.1	69.7 71.3 72.8 3 66.0 67.4 68.8 3	R2 754 763 78.0 R1 71.3 72.4 72.4	74.3 75.1 75.7	N2 N4 N8 N9	76.8 76.6 76.2	75.7 75.1 74.3 72.4	72.4 71.3 70.1	72.8 71.3 69.7 68.1 68.8 67.4 66.0 64.5	620 615 600	\$1.3 59.6 57.9 56.2 59.4 56.9 56.3 53.1	7 522 507 492	47.8 46.3 44.9 43.6	42.2 40.9 29.7	39.7 38.4 27.2 36.0 34. 38.4 27.3 36.1 36.0 23.	9 229 219 209 200	29.1 29.2 27.4 29.6 25.8
-23 25.3 26.0 -24 24.8 25.5 -25 24.2 24.9 -26 22.7 24.4	26.8 27.6 28.4 26.2 27.0 27.8	28.3 20.2 21.1 32. 28.6 29.4 20.3 21.	0 XX-0 34.0 35.1 2 32.1 33.1 34.1	26.2 37.3 38.4 28.6 26.1 36.1 37.2 38.3	93.8 42.0 43.3 44.6 45.5 29.4 40.6 41.8 43.0 44.3	# 47.3 48.7 50.1 51.5 52.9 54.1 # 45.5 46.7 46.0 49.3 50.6 51.1	6 50.7 57.1 58.5 59.9 61.3 6 50.2 54.5 55.9 57.0 58.3	926 639 651 6 594 606 617 6	m.z 67.3 68.3 69.2 07 69.7 64.5 65.3	70.0 70.7 71.3 66.1 66.7 67.2	71.7 72.0 72.2 72.9 67.6 67.9 69.1 69.1	72.2 72.0 71.7 69.1 67.9 67.6	71.3 70.7 70.0 69.2 67.2 66.7 66.1 66.3	683 673 662 645 637 627	40.1 60.9 62.6 61.3 61.7 60.6 59.4 59.3	58.9 58.5 57.1 57.0 55.8 54.5	55.7 54.3 52.9 51.1 53.2 51.9 50.6 49.	5 561 487 473 3 480 467 455	43.9 44.6 43.3 42.0 44.2 43.0 41.8 40.6	403 294 284 294 283 272	373 362 351 340 33 361 361 341 331 32	3 32.0 31.1 30.2 29.3 1 31.2 30.3 29.4 29.6	28.4 27.6 26.8 26.0 25.3 27.8 27.0 26.2 25.5 24.8
-35 24.2 24.9 -36 23.7 24.4	25.0 25.7 26.4 25.0 25.7 26.4	27.9 28.7 29.5 30. 27.2 28.0 28.7 28.	4 21.2 22.1 22.1 5 20.4 21.2 22.1	20.0 20.0 26.0 27.1 20.0 22.9 24.9 26.9	38.1 29.2 40.3 41.4 42.6 36.8 37.9 38.9 29.9 41.0	637 649 651 673 665 698 0 621 631 642 653 664 673	6 48.6 49.7 50.7 51.9 52.5 6 48.6 49.7 50.7 51.9 52.5	50.5 547 556 5	84 603 611 618 64 572 579 585	92.4 93.0 63.4 59.1 59.6 60.0	603 606 607 608	607 606 603	62.4 62.0 62.4 61.8 60.0 59.6 59.1 58.5	97.9 97.2 98.4 97.9 97.2 98.4	56.6 54.7 53.7 52.8	54.3 53.2 52.0 51.8 50.7 49.7	50.8 49.8 48.5 47.1 48.6 47.5 46.4 45.	3 661 669 637 3 662 631 621	426 41.4 40.3 29.2 41.0 29.9 28.9 27.9	38.1 3/.1 36.0 36.8 35.9 34.9	25.0 34.0 23.1 22.1 31. 23.9 23.0 22.1 21.2 30.	2 30.4 29.5 28.7 27.9 4 29.5 28.7 28.0 27.2	27.1 26.3 25.6 24.9 24.2 26.4 25.7 25.0 24.4 22.7
-97 232 238 -98 227 233	29.5 25.1 25.8	26.5 27.2 28.0 28. 26.9 26.6 27.3 28.	1 29.5 30.4 31.2 28.7 29.5 30.3	22.0 32.9 33.8 34.7 31.1 31.9 32.7 33.6	356 366 375 385 395 345 353 362 371 381	5 405 415 425 435 445 451 280 289 438 418 427 431	6 46.5 47.5 48.5 49.4 50.3 44.5 45.4 46.3 47.2 48.0	51.2 S2.0 S2.8 S 49.6 49.6 S0.3 S	0.6 S4.3 S4.9 S6.5 4.0 S1.6 S2.2 S2.7	50.0 54.5 54.9 53.2 53.6 53.9	97.1 97.3 97.5 97.5 94.2 94.4 94.5 94.5	57.5 57.3 57.1 54.5 54.4 54.2	54.9 54.5 56.0 55.5 53.9 53.6 53.2 52.7	549 543 534 522 514 510	52.8 52.0 51.2 50.3 50.3 49.6 49.8 49.0	6 49.4 48.5 47.5 6 47.2 46.3 45.4	46.5 45.5 44.5 43.1 44.5 43.6 42.7 41.1	8 40.8 29.9 29.0	28.1 27.1 26.2 26.3	24.5 23.6 22.7	21.9 21.1 20.3 29.5 29.	5 28.8 28.0 27.2 26.5 7 28.0 27.3 26.6 25.9	25.8 25.1 24.5 23.8 23.2 25.2 24.5 23.9 23.3 22.7
-20 273 274 -40 217 223	23.4 24.0 24.6 22.8 23.4 24.0	25.2 25.9 26.6 27. 24.6 25.2 25.9 26.	2 28.0 28.7 29.4 5 27.2 27.9 28.6	30.2 30.9 31.7 32.5 29.3 30.0 30.7 31.5	20.2 34.2 35.0 25.8 36.7 22.3 23.0 23.8 34.6 25.4	7 27.5 38.4 28.3 40.1 41.0 41.1 1 36.2 27.0 27.8 28.6 29.4 40.2	427 435 463 451 455 2 409 417 424 431 433	466 473 480 4 445 451 458 4	86 492 497 502 863 468 473 478	50.6 50.9 51.2 48.1 48.5 48.7	51.5 51.6 51.7 51.8 48.9 49.1 49.2 49.2	517 516 515 492 481 489	51.2 50.9 50.6 50.2 48.7 48.5 48.1 47.8	497 492 486 473 468 463	48.0 47.3 46.6 45.5 45.8 45.1 44.5 43.8	45.1 44.3 43.5 43.1 42.4 41.7	42.7 41.8 41.0 40.1 40.9 40.2 39.4 38.6	1 29.3 39.4 37.5 6 37.8 37.0 36.2	367 368 360 342 364 346 338 330	23.3 22.5 21.7 22.3 31.5 30.7	30.9 30.2 29.4 28.7 28. 30.0 29.3 28.6 27.9 27.	2 272 266 259 252 2 265 259 252 246	24.6 24.0 23.4 22.8 22.2 24.0 23.4 22.8 22.3 21.7
-41 212 218 -42 208 213	223 229 234 218 223 229	24.0 24.6 25.2 25. 23.4 24.0 24.5 25.	1 26.4 27.1 27.8 1 25.7 26.3 27.0	29.4 29.1 29.8 20.5 27.6 29.2 29.9 29.6	31.2 31.9 32.7 23.4 34.1 30.2 30.9 31.6 32.3 23.0	9 34.9 35.6 36.4 37.1 37.8 36.1 0 23.6 34.3 35.0 35.7 36.4 37.	293 400 407 413 420 277 384 280 286 403	426 431 437 4 407 413 418 4	H2 447 451 455 U2 427 431 434	45.9 46.2 46.4 43.7 44.0 44.2	46.6 46.7 46.8 46.8 46.4 46.5 46.6 46.6	46.8 46.7 46.6 44.6 44.5 44.4	46.4 46.2 45.9 45.5 44.2 44.0 43.7 43.4	45.1 44.7 44.2 43.1 42.7 42.2	43.7 43.1 42.6 42.6 41.8 41.3 40.7 40.3	2 41.3 40.7 40.0 2 28.6 28.0 28.4	39.3 38.6 37.6 37.1 37.7 37.1 36.4 36.1	1 264 256 349 7 250 343 236	34.1 23.4 22.7 31.9 23.0 22.3 21.6 20.9	31.2 30.5 29.8 30.2 29.6 29.9	29.1 29.4 27.8 27.1 26. 29.2 27.6 27.0 26.3 25.	1 258 252 246 240 7 251 245 240 234	23.4 22.9 22.3 21.8 21.2 22.9 22.3 21.8 21.3 20.8
-12 203 204 -14 193 203	213 218 223 208 213 218	228 234 239 24 223 228 233 23	1 31 31 31 31 31 31 31 31 31 31 31 31 31	20.8 27.4 28.0 28.6 20.0 20.6 27.2 27.8	29.3 29.9 20.5 21.2 21.6 28.4 28.9 29.5 20.1 20.3	225 231 238 344 260 264 213 219 225 231 227 343	1 342 368 374 380 381 348 354 353 364 363	29.0 29.5 40.0 1 27.4 27.9 28.3 3	04 408 412 415 87 280 284 287	11.8 42.0 42.2 29.9 40.2 40.3	424 425 426 426 405 406 407 407	426 425 424 407 406 405	422 420 418 415 433 402 399 397	512 518 514	#0.0 205 200 205 283 279 274 265	38.0 27.4 36.8 36.4 36.9 36.4	36.2 25.6 25.0 34. 36.8 36.3 22.7 22.	4 23.8 23.1 22.5 1 22.5 31.9 31.3	318 312 305 289 307 301 295 289	29.3 29.6 29.0 28.4 27.8 27.2	K1 N1 H1 N1 H	215 229 224 228 228 223 228 223	273 275 273 206 203
-65 19.4 19.9	203 208 212	21.7 22.2 22.7 23.	2 23.7 24.2 24.8	23 28 24 29	27.5 28.0 28.6 29.2 29.3	203 208 214 219 225 231	335 340 345 350 351	259 263 267 3	0.1 37.4 37.7 38.0	382 384 386	28.7 28.8 28.9 28.9	20.9 20.0 20.7	284 284 282 280	27.7 27.4 27.1	367 363 369 365	35.0 34.5 34.0	20.5 20.0 22.5 21.1	9 21.4 20.8 20.3	29.7 29.2 28.6 28.0	27.5 26.9 26.4	25.8 25.3 24.8 24.2 23.	7 232 227 222 217	21.2 20.8 20.3 19.9 19.4

% MPE Contour

identifies a 20 cm

active antennas



Artenna No. Tota	1 1 2 1 2	1415161																							
Tx Status Frequency MHz	On On On 836 3675 915	On Off Off 2442 1850 915										-										-	-	-	
My S MCC % 1771	0.56 1.00 0.61 5 100.5 34.6 41.0	100 000 000																							
Power (W) 3.02 Antenna Grain (W)	2 1.900 0.479 0.630	0.013 0.000 0.000																							
ERP (W) 6.41	3379 1739 1267	0.033 0.000 0.000																							
Y 500	-69 -69 -69	59 00 00																							
Asc	FALSE FALSE FALSE	FALSE FALSE FALSE																							
B inpu	-120 -120 -120 60 60 60	-120 -120 -120 60 60 60																							
e, actual	-120 -120 -120 60 60 60	-120 -120 -120 60 60 60	+++++			++++						-+-+							+++++		+	-+-+			++++
45 18.6 18.3	+13 +12 +11 1 1k3 1k7 20.1	20.5 20.9 21.3 21	7 22.1 22.6 23.0	-32 -32 -31 -30 23.4 23.8 24.3 24.7	25.2 25.6 26.0 26.5 26	9 27.3 27.7 29.2	28.6 29.0 29.4 29.8	-17 -16 -15 -14 20.1 20.5 20.9 21.2	-13 -12 -11 21.5 21.8 22.1	-10 -9 -9 -7 32.4 32.7 32.9 33.1	20.2 20.5 20.6	23.7 23.8 23.9 23.9	34.0 23.9 23.9	23.8 23.7 23.6 23.4	20.3 20.1 22.8	11 12 13 14 226 223 220 216	15 16 17 21.3 20.9 20.6	19 19 20 21 30.2 29.8 29.3 28.1	22 23 24 9 28.5 28.0 27.5	25 26 27 28 27.1 26.6 26.1 25.7	29 30 31 25.2 24.7 24.3	22 23 34 23.8 22.9	26 26 27 22.4 21.9 21.5 2	20 20 40 4	1 42 43 44 45
44 19.0 19.4 43 19.4 19.8	19.8 202 20.6	21.0 21.4 21.9 22 21.6 22.0 22.5 22 22.1 22.6 23.1 23	3 22.8 23.2 23.7 9 23.4 23.9 24.3	24.1 24.6 25.0 25.5 24.8 25.3 25.8 26.3	25.9 26.4 26.9 27.3 27.2 26.8 27.3 27.8 28.3 29.3	8 283 287 292 7 292 297 302	29.6 20.0 20.5 20.9 20.7 21.1 21.6 22.0	313 317 321 324 325 329 333 337	328 33.1 33.4 34.1 34.5 34.8	23.7 34.0 34.3 34.5 35.1 25.4 25.7 36.0	347 349 350	35.2 35.3 35.4 35.4 36.7 36.8 36.9 37.0	35.4 35.4 35.4 37.0 27.0 36.9	353 352 350 349 368 367 366 364	347 345 342 362 360 357	23.9 23.6 23.3 22.9 25.4 26.1 24.7 24.3	22.6 22.2 31.9 23.9 23.5 23.1	31.3 30.9 30.4 30.0 32.6 32.1 31.6 31.1	0 295 29.0 29.5 1 206 20.1 29.6	29.0 27.5 27.0 26.5 29.0 29.5 27.9 27.4	260 255 250	24.5 24.0 23.5 25.3 24.7 24.2	23.0 22.6 22.1 2	216 212 207 20 222 217 212 20	13 198 194 190 186 18 203 199 194 190
42 19.9 20.3 41 20.4 20.8	20.8 21.2 21.7	22.1 22.6 23.1 23.	24.1 24.6 25.1	25.6 26.1 26.6 27.1	27.6 29.2 29.7 29.2 29	7 203 208 213	21.8 22.3 22.8 23.3	237 342 347 351	255 259 263	26.6 26.9 27.2 27.5	37.8 38.0 38.2 30.6 30.7 30.9	28.4 28.5 28.6 28.6	207 286 286	285 284 282 280	27.8 27.6 27.3	369 366 362 368	25.4 24.9 24.4	23.9 23.4 22.9 22.	3 31.8 31.2 30.6	30.1 29.5 28.9 28.3	27.8 27.2 26.6	26.1 25.5 24.9	24.4 23.9 23.3 2	22.8 22.3 21.8 21 22.4 22.6 22.4 22	3 208 204 199 194
60 20.8 21.3 20 21.3 21.8	21.8 22.3 22.8	23.3 23.8 24.4 24	25.4 26.0 26.6	27.1 27.7 28.3 28.9	29.5 20.1 20.7 21.3 21	9 225 231 237	34.2 34.8 35.4 36.0	36.5 37.0 37.6 39.1 98.0 39.6 39.1 39.7	29.5 29.0 29.5	29.9 40.3 40.6 41.0	413 415 418	42.0 42.1 42.2 42.3	424 424 423	422 42.1 41.9 41.7	41.4 41.1 40.8	40.4 40.0 39.5 39.0	28.5 28.0 27.4	36.0 36.2 35.0 35.0	943 237 230	22.3 21.7 21.0 20.3	29.7 29.0 29.4	27.7 27.1 26.6	25.9 25.2 24.7 2	M.1 23.5 22.9 22 M.7 3M.1 39.6 39	14 21.9 21.4 20.8 20.3
	229 234 240	246 251 257 26	3 26.9 27.6 28.2	268 295 302 308	31.5 32.2 32.9 33.5 34	2 349 356 363	370 374 363 389	29.6 40.2 40.8 41.4	420 425 431	436 440 445 449	453 456 459	611 613 615 666	46.6 46.6 46.6	665 663 661 659	456 452 448	443 498 493 497	42.1 41.5 40.9	43.1 29.4 29.7 27.1	9 272 364 356	348 341 333 325	21.8 21.0 20.3	29.5 29.8 29.1	27.4 26.7 26.1 2	54 248 242 23	16 23.0 22.4 21.9 21.3
\$ 23 25	210 214 23	255 265 272 27	9 295 292 500	207 214 222 229	217 345 252 260 36	8 274 384 392	60.0 60.8 41.5 42.3	410 418 445 452	459 466 472	67.8 68.4 68.9 69.4	49.8 50.2 50.6	50.9 51.2 51.4 51.5	516 516 516	51.5 51.3 51.1 50.8	50.4 50.0 49.5	419 413 477 470	46.3 45.5 44.7	419 400 421 41.	2 453 294 285	374 27 21 34	341 232 223	315 307 299	291 293 274 1	St. 21 24 24	8 241 235 229 223
34 24.0 24.6	253 259 264	27.3 29.0 29.7 29	5 303 311 319	227 235 343 352	26.1 27.0 27.9 26.8 26	7 406 415 424	43.3 44.3 45.2 46.1	67.0 47.8 49.7 49.5	50.3 51.1 51.9	526 533 540 546	55.1 55.6 56.1	56.5 56.9 57.1 57.3	574 575 574	57.3 57.1 56.9 56.5	56.1 55.6 55.0	543 536 528 520	\$1.1 S0.1 49.2	49.2 47.1 46.1 45.0	439 429 418	40.7 29.7 28.6 27.6	26.6 25.6 24.6	22.6 22.7 21.8	209 200 292 2	26.4 27.6 26.8 26	1 253 246 240 233
2 21 21	26.5 27.3 28.0	28.8 29.6 20.4 21	201 220 229	34.6 26.8 26.7 27.7	267 297 407 41.8 40	2 632 632 642 8 639 650 660	47.1 49.2 49.2 50.3	51.4 52.4 53.4 54.4	554 564 573	582 590 598 606	61.9 61.9 62.5	620 625 628 641	643 644 644	643 640 627 623	62.8 62.2 61.5	60.7 S9.8 S9.8 S7.8	547 555 544	\$3.1 \$1.9 \$0.6 49.2	2 480 467 455	44.2 42.9 41.7 40.5	29.3 28.1 27.0	25.9 34.8 23.8	22.8 21.8 20.9 3	000 29.1 29.2 27	4 264 258 251 244
31 25.7 26.5 30 26.3 27.1	27.9 28.7 29.5	29.6 30.4 31.3 32 30.4 31.3 22.2 33	2 23.1 34.0 35.0 1 34.1 35.1 36.1	203 204 201 104 207 204 201 104 20.7 31.4 202 223 30.7 31.4 202 233 31.7 22.6 23.2 34.0 20.7 20.5 34.3 35.2 20.7 20.5 34.3 35.2 20.7 30.5 30.7 20.7 20.7 30.5 30.2 30.2 20.7 30.5 30.0 30.0 30.0 20.7 30.5 30.0 30.0 30.0 30.0 30.0 30.0 30.0	41.6 42.7 43.9 45.1 46	3 47.6 48.8 50.1	51.3 52.6 53.9 55.1	56.4 57.6 58.9 60.1	613 624 635	615 657 667 676	69.5 69.3 70.1	70.7 71.3 71.8 72.2	725 726 727	724 724 720 715	70.9 70.1 69.3	683 672 660 647	633 619 604	58.9 57.4 55.8 54.	7 503 469 475 2 527 511 496	48.1 46.6 45.1 43.7	403 245 243 423 410 297	26.4 27.2 26.0	248 227 227 3	30.8 29.9 29.0 29 21.6 20.7 29.7 29	18 27.9 27.1 26.2 25.5 18 27.9 27.1 26.2 25.5
29 27.0 27.7 28 27.6 28.4	29.6 29.4 30.3	31.2 32.1 33.1 34 32.0 33.0 34.0 35	1 361 362 373	29.4 29.5 40.7 41.9 29.6 40.8 42.1 43.4	43.1 44.2 45.6 46.9 46 44.7 46.0 47.4 48.8 50 46.4 47.8 48.3 50.8 53 48.1 49.7 51.3 52.9 54	2 517 531 546	53.6 55.0 56.4 57.8 56.1 57.6 59.1 60.6	621 636 651 665	64.5 65.9 67.0 69.0 69.4 70.8	682 694 705 716 72.1 73.4 74.7 76.9	72.6 73.5 74.4 77.0 78.1 79.0	75.1 75.9 76.4 76.8 79.9 80.7 81.4 81.9	77.2 77.4 77.5 92.4 92.6 92.8	774 772 N.B No.3 827 825 821 815 886 884 880 874	75.6 74.7 73.9 60.8 79.9 79.9	72.7 71.4 70.1 69.6 77.5 76.1 74.6 73.0	71.2 69.4 67.6	621 60.4 59.7 57.6 65.7 60.7 61.8 59.1	0 562 535 518 9 580 561 542	502 485 470 454 524 506 489 473	45.9 42.5 41.1 45.6 44.0 42.5	397 394 37.1 41.1 397 383	35.9 34.7 33.6 3 37.0 35.9 34.6 3	925 315 305 29 934 323 313 30	15 28.6 27.7 26.8 26.0 12 29.3 29.3 27.4 26.6
27 29.2 29.5 26 29.9 29.8	900 309 31.9 907 31.7 32.7	22.9 22.9 26.0 26 23.8 34.9 26.0 27	1 27.3 28.5 29.7 2 28.4 29.7 41.0	409 422 436 450 423 437 451 466	49.4 47.8 49.3 50.8 52 49.1 49.7 51.3 52.9 54	3 539 555 57.1 5 562 580 597	58.7 603 62.0 63.6 61.5 63.3 65.0 66.8	65.3 66.9 68.5 70.1 68.7 70.5 72.3 74.0	71.7 72.3 74.8 75.8 77.5 79.2	76.3 77.8 79.2 80.5 90.9 82.5 84.1 85.6	91.8 93.0 94.1 97.1 98.5 99.8	95.2 96.1 96.9 97.6 90.9 92.0 93.0 93.8	98.1 88.5 88.6 94.5 94.9 95.2	95.3 95.1 94.7 94.0	99.5 95.5 84.3 99.1 91.9 90.5	82.9 81.3 79.6 77.7 88.9 87.1 86.1 83.0	75.8 73.7 71.6 90.8 79.5 76.1	99.5 67.3 65.2 63.0 73.7 71.2 68.8 66.4	0 609 58.8 56.7 4 64.0 61.7 59.4	54.8 52.8 50.9 49.1 57.2 56.1 53.1 51.1	67.3 45.7 46.0 69.2 67.3 65.6	42.5 41.0 29.5 43.9 42.3 40.8	38.1 36.8 35.5 3 39.3 37.9 36.5 3	M3 202 220 21 M2 340 228 21	10 300 290 280 27.1 17 307 296 297 277
26 29.5 30.5 24 30.2 31.2	205 205 206 207 203 265 200 342 353 208 350 362	34.7 36.9 37.1 38 35.6 36.8 38.1 39	9 596 409 423 4 603 422 437	497 452 468 483 452 468 484 501	50.0 51.6 53.3 55.1 56 51.9 53.7 55.5 57.4 56	4 614 634 655	64.4 66.4 69.3 70.3 67.6 69.7 71.8 74.0	72.3 74.3 76.3 76.2 76.2 78.4 80.6 82.7	90.2 92.1 84.0 94.9 97.0 99.2	95.9 87.7 89.5 91.2 91.2 90.3 95.3 97.2	99.1 101.0 102.7	97.3 98.6 99.7 100.7 104.3 106.9 107.2 0.0	00 00 00	00 00 00 00	00 00 00	0.0 0.0 0.0 98.9	0.0 0.0 86.3	78.2 75.4 72.7 70.1 83.2 80.0 77.0 73.1	9 71.0 68.1 62.3	69.9 57.6 56.3 53.1 62.6 60.1 57.6 56.3	53.0 50.9 48.9	46.4 49.7 42.0 46.9 45.1 43.3	40.5 39.0 37.5 3 41.7 40.1 38.6 3	86.2 34.9 29.7 32 27.1 26.8 34.5 23	5 31.4 30.3 29.3 29.3 12 32.1 30.9 29.9 29.9
23 30.9 31.9 22 31.6 32.7	23.0 34.2 35.3	36.6 37.9 39.2 40 37.5 38.9 40.3 41	6 420 435 451 8 433 449 466	46.7 49.4 50.2 52.0 49.3 50.1 52.0 54.0	53.9 55.8 57.8 59.9 62 56.0 58.1 60.2 62.4 64	7 67.1 69.5 72.0	70.9 72.2 75.6 78.0 74.5 77.1 79.7 92.3	904 828 852 876 949 876 903 929	90.0 92.4 94.8 95.6 98.3 100.9	97.1 99.4 101.7 103.9 103.5 106.1 108.7 111.2	106.0 109.1 110.2	112.1 0.0 0.0 0.0	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	88.6 95.0 91.5 78.1 0.0 0.0 96.5 92.1	1 74.8 71.6 69.5 6 78.9 75.3 71.9	65.6 62.8 60.1 57.5 68.6 65.6 62.6 59.8	55.1 52.8 50.6 57.2 54.7 52.4	49.5 46.5 44.7 50.1 49.0 46.0	42.9 41.2 39.6 3 44.1 42.4 40.7 3	28.1 26.7 26.3 24 29.1 27.6 26.1 24	10 228 316 305 294
21 223 234	346 358 37.1 35.4 36.7 39.1	39.5 39.9 41.4 43 39.5 41.0 42.6 44	0 666 663 681 1 665 670 697	500 519 539 560 516 597 559 581	592 604 629 652 67 605 629 654 690 70	7 702 729 756	79.3 91.1 94.0 96.9 97.4 95.5 99.7 91.9	998 928 967 987 961 984 1017 1060	1017 1016 1076 1	1105 1134 1163 1192 1100 1014 1047 1060	1220 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 971	5 933 793 755 1 985 935 730	71.9 685 653 623 753 715 680 647	594 567 542 616 597 560	51.8 49.5 47.4 53.5 51.1 48.8	454 435 417 4	60.1 39.5 37.0 35 61.1 39.4 37.6 36	6 342 329 317 306
19 33.7 34.9 16 34.4 95.7	95.2 97.6 98.0 97.0 98.5 A10	40.5 42.1 43.8 45	6 47.3 49.3 51.3 49.7 60.9 60.9	50.0 51.9 53.9 56.0 51.6 53.7 55.9 58.1 53.4 55.0 57.9 66.3 56.2 57.5 66.0 62.8 57.0 59.5 62.2 65.0	62.8 65.5 68.2 71.0 74	0 77.1 902 83.5 4 908 942 87.8	96.9 90.2 99.7 97.2	500.8 504.5 108.1 111.8	115.5 119.2 122.9 1	126.6 130.3 134.0 0.0	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 92.9 93.2	78.8 74.7 70.8 67.3 82.4 77.9 72.8 68.9	63.9 60.8 57.9	55.2 52.6 50.2 56.6 54.0 51.6	480 459 439 4	62.0 60.3 28.6 27 63.0 61.0 29.6 92	1 356 342 329 317
17 26.1 26.4	97.8 29.3 43.9 98.7 40.7 41.9	42.4 44.3 46.2 48 43.6 45.5 47.4 49	1 502 523 544	57.0 59.5 62.2 65.0 50.0 61.6 64.5 67.5	47.9 71.0 74.2 77.6 81 71.6 73.9 77.4 91.1 94	1 847 885 925	96.5 100.7 105.0 109.4	119.9 118.4 122.9 127.5	1222 1268 1414 1	146.1 0.0 0.0 0.0	00 00 00	0.0 0.0 0.0 0.0	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	862 813 767 725 801 947 759 751	68.6 65.0 61.7 71.0 62.2 62.6	58.6 55.7 53.0 60.9 57.9 54.4	50.5 48.2 46.0 4 51.8 49.4 47.1	44.0 42.1 40.9 38 44.9 42.0 41.1 59	16 270 355 341 328
15 36.4 37.5 14 97.1 98.7	29.5 41.1 42.8	436 455 474 48 447 466 487 55	53.1 55.5 59.1	608 697 668 700	73.4 77.0 80.8 84.8 85	0 99.4 99.0 100.8 1	107.8 113.0 118.3 123.8	129.4 126.0 140.8 146.6 139.0 144.7 161.0 163.7	152.4 158.3 164.1	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	0.0 98.2 92.8 77.9	72.4 69.3 65.5	620 588 558	53.1 50.5 48.1 4 64.3 51.6 49.1	45.9 43.8 41.9 40 45.9 44.6 42.6 42	1 28.4 26.9 25.3 22.8
12 27.8 29.4	403 420 438 411 429 448	46.8 48.9 51.2 53	6 561 588 617	648 691 716 754	79.3 83.5 88.0 92.8 97	8 109.1 109.7 114.6 1	120.8 127.3 134.0 140.9	168.1 156.3 162.7 0.0	60 60 60	00 00 00 00	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 889 833	78.2 73.5 69.3	65.4 61.8 58.5	55.5 52.7 50.1	67.7 45.5 49.4 41	4 294 379 363 348
11 901 404	427 446 466	48.8 51.2 53.6 56	991 622 654	669 727 767 810	854 905 958 1015 10	76 1140 1209 1282 1	156.0 144.2 152.7 0.0	00 00 00 00	85 85 80	00 00 00 00	65 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	55 55 MA MA	927 775 728	665 646 611	Di 547 520 4	69.4 47.0 44.E 42	2 401 200 273 267
					92.9 94.2 99.9 106.1 11. 92.2 97.9 104.2 110.9 111	12 126.1 134.6 143.8 1	1534 00 00 00	0.0 0.0 0.0 0.0	60 60 00	00 00 00 00	60 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	00 00 00	0.0 0.0 0.0 0.0	00 00 00	0.0 00 00 0.0		00 00 00 932	86.9 81.2 76.1	71.4 67.2 63.3	59.8 56.6 53.6	90.9 49.3 46.0 43	8 418 299 292 265
7 416 435	45.6 47.8 50.2	52.7 55.4 59.4 61	6 650 688 728	76.1 79.6 84.5 89.8 77.2 81.9 87.1 92.7 79.2 84.2 89.7 96.7 81.1 86.4 92.2 98.5	98.9 105.6 112.9 121.0 12	87 1393 1499 0.0	00 00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 973 00 00 00 991	90.5 84.4 78.9	73.9 69.4 65.3	616 582 551	52.2 49.5 47.1 44	8 427 407 389 372
6 42.1 44.1 5 42.6 44.6	46.8 49.2 51.7	54.4 57.4 60.6 64	644 703 745 622 718 762	91.1 86.4 92.2 98.5	105.6 113.3 121.8 131.3 14	18 00 00 00	00 00 00 00	00 00 00 00	60 00 00	00 00 00 00	60 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 1004	92.0 85.7 80.1 93.4 86.9 81.1	75.9 71.2 66.9	624 585 562	\$2.7 \$0.0 47.5 45 \$3.2 \$0.5 47.9 45	62 43.1 41.1 29.2 37.5 66 43.4 41.4 29.5 37.7
4 49.1 45.2 3 49.5 45.6	67.4 49.8 52.4 47.9 50.4 53.1	55.2 58.3 61.5 65 56.0 59.1 62.5 66	1 690 732 77.9 2 702 746 79.4	929 995 946 5013 947 905 969 5040	998 117.1 126.3 136.5 14 111.9 120.7 130.6 141.6 0 114.9 124.2 134.7 146.5 0 117.6 127.4 138.5 0.0 0	79 00 00 00	00 00 00 00	00 00 00 00	60 60 60	00 00 00 00	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 101.9 00 00 00 100.0	9 945 879 820 0 965 888 828	76.7 71.9 67.6 77.4 72.5 68.1	63.6 60.0 56.7 1 64.1 60.4 57.1 1	937 509 493 45 540 512 496 46	19 43.7 41.6 39.7 39.0 12 43.9 41.9 39.9 39.2
2 49.9 46.1 1 44.2 46.5	48.4 509 53.7 48.8 51.4 54.2	56.6 59.8 69.3 67. 57.2 60.5 64.1 68.	1 713 758 808 0 722 769 821	96.3 92.4 99.1 106.5 97.6 94.1 101.1 109.9	114.9 124.2 134.7 146.5 0. 117.6 127.4 138.5 0.0 0.	0 00 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	60 0.0 0.0	0.0 0.0 0.0 0.0	00 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 103.8 0.0 0.0 113.0 104.4	96.2 89.4 83.4 96.7 89.9 83.8	77.9 72.0 68.5 78.3 72.3 68.8	64.5 60.8 57.4 5 64.7 61.0 57.6 5	54.3 51.4 48.8 46 54.5 51.6 49.0 46	4 64.1 62.0 60.1 38.3 5 64.3 62.2 60.2 38.4
-1 64.8 67.1	49.5 52.2 55.0 49.8 52.4 55.4	57.7 61.1 64.7 68 59.2 61.6 65.3 69	7 73.1 77.9 83.2 4 73.8 73.7 84.2	99.1 96.6 102.8 111.0 90.2 96.9 104.4 112.8	120.1 130.4 142.1 00 0 122.3 133.0 145.2 00 0	0 00 00 00	00 00 00 00	00 00 00 00	65 00 00	00 00 00 00	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 1133 1063	97.0 90.1 84.0 7 97.0 90.2 84.1	79.5 79.5 69.0	649 612 578 1 660 612 578 1	54.6 51.7 49.1 46 54.7 51.0 49.1 46	15 64.4 62.3 60.3 39.5 17 64.4 62.3 60.4 39.5
-2 45.0 47.3 -3 45.1 47.4	48.8 52.4 55.4 1 48.9 52.6 55.6	58.5 62.0 65.7 68 58.8 62.3 66.1 70	74.4 79.4 85.0 3 74.9 79.9 85.6	91.1 98.0 105.6 114.3 91.8 98.8 106.6 115.5	126.1 136.2 00 00 0 126.6 136.8 00 00 0 126.4 138.0 00 00 0	0 00 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	60 0.0 0.0	0.0 0.0 0.0 0.0	00 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	00 00 00 1045 00 00 00 1046	96.5 89.7 83.7	79.2 73.3 68.8	64.8 61.1 57.7 1	54.5 51.7 49.0 4s	17 44.4 42.3 40.3 38.5 16 44.3 42.3 40.3 38.5
4 62 675	501 528 557 501 528 558	59.9 62.5 66.9 70 59.0 62.5 66.4 70	5 75.1 80.3 86.0 6 75.3 80.4 86.1	923 993 1073 1162 925 996 1076 1166	126.4 138.0 00 00 0	0 00 00 00	00 00 00 00	00 00 00 00	60 00 00	00 00 00 00	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00		00 00 00 1003					15 642 422 402 39.4 13 641 420 401 39.3
4 462 475 -7 461 475	501 528 558 500 527 559	59.0 62.5 66.4 70 58.9 62.4 66.2 70	6 752 804 861 6 751 802 859	92.5 99.6 107.6 116.6 92.2 99.3 107.2 116.2	126.9 138.6 0.0 0.0 0 126.9 138.7 0.0 0.0 0 126.4 138.1 0.0 0.0 0 126.5 137.0 0.0 0.0 0	0 00 00 00	00 00 00 00	00 00 00 00	60 00 00	00 00 00 00	60 00 00	0.0 0.0 0.0 0.0	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	00 00 00	00 00 00 1013	94.0 87.6 81.8	76.6 71.9 67.6	637 601 568 1	\$3.9 \$1.0 49.5 46 \$3.4 \$0.7 49.1 45	13 441 420 401 263 11 439 418 299 261 18 436 416 297 260
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	49.5 52.3 55.2 49.3 51.9 54.8 48.9 51.5 54.3		7 742 792 848 1 725 785 829 4 727 776 829			0 00 00 00 0 00 00 00		00 00 00 00	65 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 944	88.2 82.5 77.4 86.3 80.9 75.9	72.7 68.4 64.5	61.0 57.7 54.7 1 60.1 56.9 54.0	51.9 49.3 46.9 44 51.2 49.7 46.4 44	17 426 407 389 372 17 426 407 389 372 12 422 403 385 369
-12 43.9 46.1 -13 49.6 46.2	48.5 51.1 53.8	56.8 60.1 69.7 67 66.9 50.4 69.6 66	21.8 26.5 81.2	97.4 99.7 100.8 109.7 95.6 91.6 98.7 106.0	117.5 127.5 138.8 0.0 0. 114.7 124.2 134.9 0.0 0. 111.6 120.5 120.0 141.9 0. 108.3 114.7 128.1 136.5 0. 108.3 114.7 128.1 136.5 0. 108.3 112.7 121.4 131.1 14	0 00 00 00	00 00 00 00	0.0 0.0 0.0 0.0	66 06 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	0.0 0.0 0.0	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 965 901	94.4 79.2 74.4 99.4 77.4 79.9	70.1 66.2 62.5	592 561 532 1 649 559 594	90.6 49.1 45.8 43 49.9 47.5 45.0 43	2 417 29.9 28.2 26.5
-14 43.1 45.2 -15 49.6 44.7	67.5 49.9 52.6	55.4 58.6 61.9 65 64.7 57.7 60.0 64	6 696 740 788	84.1 89.9 96.4 103.6	1116 1205 1306 1419 0 1003 1167 1301 1305 0	0 00 00 00	00 00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	00 973 911 854 00 941 983 830	90.3 75.6 71.2	973 936 902	57.1 54.3 51.6 4	69.1 46.8 44.6 42 49.9 46.1 44.0 43	16 407 290 373 268 10 402 385 369 263
-16 42.1 44.1	463 486 51.1	53.8 56.7 59.9 63	9 67.0 71.1 75.5	803 856 914 978	104.9 112.7 121.4 131.1 14	9 00 00 00	00 00 00 00	00 00 00 00	60 60 00	00 00 00 00	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	0.0 0.0 0.0	96.9 91.0 95.5 90.5	75.9 71.7 97.8	94.2 60.9 57.8	54.9 52.3 49.8 4	67.5 45.3 43.3 41	4 29.6 27.9 26.4 24.9
-18 41.0 42.9	649 621 694	51.9 516 576 60	7 641 678 718	762 909 961 917	97.9 1046 1120 1201 12 97.9 1046 1120 1201 12 94.3 1005 107.3 114.7 12 90.7 96.5 102.7 109.5 11	20 1398 00 00	00 00 00 00	00 00 00 00	60 60 60	00 00 00 00	99 99 99	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 953	998 947 900 756	716 678 643	61.1 59.1 55.2	526 502 679	457 497 418 40	1 284 268 254 240
-20 39.7 41.5	43.4 45.4 47.6	49.9 52.4 55.1 58	61.1 64.4 69.0	71.6 76.0 60.5 65.4	90.7 96.5 100.7 109.5 19	19 1247 1232 1424	00 00 00 00	0.0 0.0 0.0 0.0	60 60 00	00 00 00 00	60 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 00 00 0.0	97.9 92.6 97.6	82.9 78.6 74.5 70.7	67.2 63.9 60.8	57.9 55.2 52.6	503 480 459	63.9 42.1 40.3 28	7 260 374 359 344 11 384 368 354 340 14 278 353 348 225 17 271 357 343 230 10 365 351 337 325
-22 264 401	618 637 657	478 501 525 55	579 609 640	67.5 71.1 75.1 79.2	972 925 882 1949 19 939 936 936 930 966 19 80.4 849 936 947 95 772 812 956 957 95 760 777 817 658 95 960 712 745 779 91 962 652 479 707 75 900 652 459 977 777 97 900 652 453 777 977 97 900 652 453 777 977 977	54 1117 1186 1267 1	1992 1412 00 00	00 00 00 00	60 60 60	00 00 00 00	99 99 99	00 00 00 00	00 00 00	00 00 00 00	00 00 00	00 00 00 00	00 00 00	0.0 0.0 99.6 93							
-24 27.0 38.5	40.1 41.9 43.7	45.6 47.7 49.9 52	7 543 591 421 2 547 573 602	63.1 66.3 69.7 73.3	77.2 81.2 85.6 90.2 96	0 1001 1065 1111 1	124.8 131.7 136.9 146.2 116.9 123.0 129.2 136.5	141.9 0.0 0.0 0.0	60 60 00	00 00 00 00	60 00 00	0.0 0.0 0.0 0.0	00 00 00	0.0 0.0 0.0 0.0	00 00 00	00 00 00 00	0.0 0.0 101.9	97.5 90.1 90.9 94.1	9 81.1 77.4 73.9	73.5 70.1 66.8 63.8 70.6 67.4 64.4 61.6	58.9 56.3 53.9	51.6 49.5 47.4	45.5 43.6 41.9 4	40.3 29.7 27.2 35	15 352 238 226 31.4 18 345 232 220 309
25 25 25 26 25 25	28.4 400 41.7	414 453 473 48	6 516 539 564	91.0 94.0 67.2 70.5 59.0 91.7 64.6 67.7	71.0 74.4 78.0 81.8 90	7 998 941 985 1	109.7 115.0 120.4 125.9	122.0 126.6 131.2 136.5	1296 1624 1668 1	0.0 0.0 0.0 0.0 149.7 152.1 154.0 155.3	1960 1962 1969	155.0 153.7 152.0 149.9	167.6 166.9 162.0	138.9 135.7 132.3 128.8	125.1 121.4 117.6	0.0 0.0 0.0 108.9 113.8 110.0 106.1 102.3 106.5 103.1 99.6 96.2				678 649 621 584 651 624 598 574 625 600 576 554					
-27 34.8 36.2 -28 34.1 35.4	367 382 397	41.3 42.9 44.7 46	6 485 506 527	55.0 57.4 58.9 62.5	662 681 71.1 74.2 77	4 90.1 99.0 92.9 4 90.8 94.2 87.7	91.3 94.9 98.6 102.2	105.8 109.3 112.7 115.9	119.0 121.7 124.2 1	127.3 128.4 141.0 142.2 126.4 128.2 128.6 130.7	121.3 121.5 121.4	130.9 130.1 128.9 127.5	1360 1258 1313 1258 1238 1217	119.4 116.9 114.3 111.6	116.5 113.2 109.9	99.9 96.8 99.7 90.7 93.8 91.1 98.3 86.6			2 675 649 625	625 600 578 56.4 601 578 56.5 53.4 57.7 56.6 53.5 51.6	51.4 63.4 67.6	472 454 437 458 44.1 42.4	409 294 280 3	275 362 349 33 366 353 341 32	18 925 913 903 292 19 918 907 997 287 12 911 901 991 281
-29 20.3 34.6 -30 20.6 20.8	35.9 27.2 38.7 35.0 36.3 37.7	40.2 41.8 43.4 45 39.1 40.6 42.2 43	2 47.0 48.9 51.0 45.6 47.4 49.3	53.1 55.3 57.6 60.0 51.2 53.3 55.4 57.7	62.6 65.2 67.9 70.7 72 60.0 62.4 64.9 67.5 70	7 767 797 829	86.1 89.3 92.5 96.7 81.2 94.1 97.0 99.8	98.9 101.9 104.9 107.7 92.6 95.3 97.8 100.3	193.2 192.7 194.9 1 192.6 194.7 196.6 1	1168 1183 1186 1205 1082 1086 1107 1115	121.1 121.4 121.3	120.9 120.2 119.3 119.0	108.2 106.9 106.2	103.5 101.6 99.6 97.5	901.7 99.1 96.5 96.3 90.0 90.6								29.8 28.4 27.0 3 38.7 27.4 36.1 3	26.7 34.6 22.3 22 34.9 20.7 22.6 31	
-01 21.9 20.0 -02 31.2 30.2	36.0 36.3 37.7 34.2 35.4 36.7 32.4 34.6 35.8	38.1 39.5 41.0 42 37.1 38.4 39.8 41	5 64.2 45.8 47.6 2 42.8 44.4 66.0	49.4 51.4 53.3 55.4 47.7 49.5 51.3 53.2	57.5 59.7 62.0 64.4 66 55.2 57.2 59.3 61.4 65	18 692 71.7 74.2 16 659 681 70.4	76.8 79.3 81.9 84.4 72.7 74.9 77.2 79.4	81.6 83.7 85.7 87.6	90.6 97.5 99.1 1 99.4 91.0 92.5	100.8 101.8 102.8 103.5 93.7 94.8 95.7 96.4	104.0 104.3 104.3 96.8 97.0 97.1		100.9 997 983 942 932 91.9		88.4 87.4 85.3 84.1 82.3 80.4	83.1 80.9 79.7 76.5 79.4 76.5 74.5 72.5	74.3 72.0 69.8 70.4 68.4 66.4	67.6 65.4 63.3 61.2 64.4 62.4 60.5 58.0	2 582 572 552 6 567 548 531	\$3.3 \$1.5 49.7 48.0 \$1.3 49.6 48.0 46.4	66.4 46.8 43.2 44.8 43.3 41.9	41.8 40.3 39.0 40.5 39.1 27.9	37.6 36.4 36.2 3 36.6 35.4 34.3 3	M.D 32.9 31.6 30 23.2 32.1 31.1 30	18 29.8 29.9 27.1 11 29.1 29.2 27.4 26.5
-92 20.5 31.5 -94 29.8 20.7 -95 29.1 30.0 -96 28.4 29.3	22.6 23.7 34.8 51.8 22.8 23.9	25.1 26.2 27.5 28	0 41.4 42.9 44.5 40.1 41.5 43.0	46.0 47.7 49.4 51.2 44.4 46.0 47.6 49.2	\$3.0 \$4.8 \$6.7 \$6.7 \$6.5 \$0.9 \$2.6 \$4.3 \$6.1 \$3	7 627 647 668 9 687 616 634	69.8 70.9 72.9 74.9 65.3 67.1 69.9 70.7	76.8 79.7 80.5 82.2 72.5 74.1 75.7 77.2	93.7 95.2 96.4 76.6 79.9 91.0	97.6 99.5 99.3 99.9 92.0 92.9 93.6 94.1	90.3 90.5 90.6 84.5 84.7 84.7	90.4 90.1 89.6 89.0 84.6 84.3 83.9 83.4	86.2 87.2 86.5 82.7 81.8 80.9 77.6 76.9 76.5	84.9 83.6 82.2 80.8 79.8 79.7 77.4 79.1	79.2 77.6 75.9 74.7 73.2 71.7	74.1 72.4 70.6 69.7 70.1 69.5 66.9 66.3	669 661 632 636 619 603	\$1.4 59.6 57.8 56.1 58.6 56.9 56.3 53.1	1 543 524 51.0 7 521 505 680	49.4 47.8 46.3 44.8 47.5 46.0 44.6 43.2	43.3 41.9 40.6 41.9 40.6 29.3	293 280 268 261 269 267	354 345 224 3 346 225 225 3	923 313 303 29 H5 305 296 29	14 285 274 268 260 17 279 270 262 265
-35 29.1 30.0 -36 29.4 29.3	91.0 92.0 93.0 90.2 91.2 92.1	34.1 35.2 36.4 37 33.2 34.2 35.3 36	6 28.9 40.2 41.5 5 27.7 28.9 40.1	429 443 458 473 414 427 441 455	48.8 50.4 52.0 53.6 55 46.9 48.4 49.8 51.3 53	3 57.0 58.7 60.3 9 54.4 55.9 57.4	62.0 63.7 65.3 66.9 58.9 60.4 61.9 63.3	68.4 69.9 71.3 72.7 64.7 66.1 67.3 68.5	72.9 75.0 76.1 69.6 70.6 71.6	77.0 77.7 78.3 79.8 72.4 73.0 73.6 74.1	79.2 79.4 79.4 74.4 74.6 74.6	79.3 79.1 79.7 79.3 74.5 74.3 74.0 73.6	77.6 76.9 76.1 72.1 72.4 71.7	75.1 74.1 72.0 71.8 70.8 69.9 68.9 67.9	70.5 69.2 67.9 66.7 65.5 64.3	66.5 65.0 63.5 62.0 63.0 61.7 60.4 59.0	60.5 S80 57.5 57.7 56.3 54.9	56.0 54.4 52.9 51.1 53.5 52.1 50.7 49.2	5 500 48.5 47.1 3 48.0 46.7 45.3	45.7 44.4 43.0 41.8 44.0 42.8 41.5 40.3	40.5 29.3 38.1 29.2 38.0 36.9	36.9 26.8 34.7 26.8 34.7 33.7	33.7 32.6 31.7 3 32.7 31.8 30.8 3	30.7 29.8 29.9 29 29.9 29.1 29.2 27	11 272 264 257 249 14 266 259 251 244
-07 27.7 28.6	29.4 20.3 21.3	323 333 343 35 314 323 233 34	4 36.5 37.6 38.8 3 35.3 36.4 37.5	40.0 41.2 42.5 43.8 38.6 39.8 40.9 42.1	45.1 46.4 47.8 49.2 50	6 519 533 547	59.1 57.4 59.8 60.1 59.4 54.7 55.0 67.5	613 625 637 647 582 592 603 612	657 666 674	68.2 68.8 69.3 69.7 64.3 64.9 65.4 65.7	70.0 70.2 70.2 66.0 66.1 66.2	70.2 70.0 69.7 69.3 66.2 66.0 65.8 65.4	66.0 64.5 63.9	66.9 66.1 66.2 64.2	69.2 62.1 61.0 59.9 59.0 59.0	59.9 56.7 57.5 56.2 56.9 55.8 54.7 53.6	55.0 53.7 52.4 52.5 51.3 50.1	\$1.2 49.9 49.6 47.1 49.0 47.8 49.6 45.1	2 461 469 436 4 443 431 420	44.0 42.8 41.5 40.3 42.4 41.3 40.1 28.0 40.9 29.8 28.7 27.7	27.9 26.8 25.7 26.6 25.6 24.6	34.7 23.7 22.8 20.7 22.7 21.8	21.8 20.9 20.0 2	29.2 28.3 27.5 26 28.4 27.6 28.9 28	18 260 253 266 239 11 254 267 261 234
-09 26.4 27.3 -00 26.8 26.5	28.0 28.8 29.6 27.3 28.0 28.8	30.5 31.4 32.3 33 29.7 30.5 31.4 32	3 342 352 363 3 232 341 351	37.3 38.4 39.5 40.6 36.0 37.0 38.1 28.1	41.7 42.8 44.0 45.2 46. 40.1 41.2 42.2 40.3 44	3 675 687 698 4 655 665 676	50.9 52.1 53.2 54.2 48.6 49.6 50.6 51.6	552 562 57.1 58.0 52.5 53.4 54.3 55.0	59.8 59.6 60.2 55.8 56.4 57.0	608 613 617 621 576 580 584 587	623 625 625 589 581 581	62.5 62.4 62.2 61.9 59.1 59.0 58.8 58.6	615 610 605 562 978 973	59.9 59.2 59.5 57.8 56.9 56.2 55.6 54.9	569 560 551 541 533 525	542 532 522 512 516 507 498 489	50.1 49.0 48.0 47.9 46.9 45.9	46.9 45.0 44.7 43.1 44.9 43.9 42.9 42.1	7 42.6 41.5 40.5 0 41.0 40.0 29.0	29.4 26.4 27.4 26.4 28.0 27.1 26.1 26.2	36.5 34.5 33.6 34.3 23.4 22.6	30.7 31.8 30.9 31.7 30.9 30.1	30.1 29.3 29.5 2 29.3 29.5 27.7 3	27.7 27.0 26.2 25 27.0 26.3 25.6 24	5 248 242 235 229 19 243 236 230 224
41 252 251	26.6 27.3 28.1	29.9 29.6 30.4 31 39.0 39.6 39.6 30	3 221 230 239	34.8 36.8 36.7 37.7 31.7 34.6 36.4 36.3	28.6 29.6 40.6 41.6 45 97.7 39.1 39.0 39.6 40	6 436 445 455	46.4 47.4 49.3 49.2	500 508 516 523	53.0 53.6 54.1	546 550 554 556 518 600 605 608	55.8 56.0 56.0 50.0 50.1 50.1	54.0 55.9 55.7 55.5	56.2 54.9 54.4 50.4 50.1 50.7	\$3.9 \$3.4 \$2.8 \$2.2 \$1.3 \$0.9 \$0.3 #97	\$1.5 SOR SOO	\$16 \$0.7 49.8 48.9 49.2 48.4 47.6 46.7		43.1 42.2 41.3 40.1	3 29.4 29.5 27.4	367 368 349 341 964 346 319 918	23.2 22.4 31.6	30.8 30.0 29.2	28.5 27.7 27.0 2	No. 256 250 24	19 243 226 230 224 13 237 231 225 220
43 240 245 44 234 845	252 259 269	27.3 28.0 28.7 28 26.5 27.2 27.9 28	4 302 310 318 293 300 307	326 334 342 350 315 323 330 512	359 367 375 384 36 366 354 361 369 37	2 40.1 40.9 41.7 7 38.5 39.2 AVA	425 433 440 448 407 414 421 214	45.5 46.1 46.8 47.4 43.4 44.1 44.6 41.5	47.9 48.4 48.9 46.7 46.1 4F.5	49.3 49.6 49.9 50.1 46.9 47.2 47.5 47.7	503 504 505 479 480 481	50.5 50.4 50.3 50.1 48.0 47.9 47.8 47.7 45.7 47.9 47.8 47.7	49.9 49.6 49.2 47.5 47.2 46.6	48.9 48.4 47.9 47.4 46.5 46.1 46.7 22.4	46.8 46.2 45.6 44.7 44.1 43.6	669 662 635 628 630 623 617 610	42.0 41.3 40.5 40.3 29.6 50.0	20.7 20.0 20.2 27.5 20.2 27.5 20.7 27.5	4 36.6 35.8 35.0 35.2 34.5 51.0	342 334 327 318 320 323 316 018	21.2 20.4 29.7 20.2 29.5 50.5	29.0 28.3 27.6 28.1 27.5 34.8	26.9 26.3 25.6 E	50 244 238 23 84 238 232 33	12 226 221 216 210 17 221 216 211 206
-45 22.8 23.4	240 246 252	25.9 26.4 27.1 27.	7 28.4 29.1 29.8	30.5 31.2 31.9 32.6	233 341 348 255 36	7 385 292 600 2 270 277 383	29.0 29.7 40.3 40.9	43.4 44.1 44.6 45.2 41.5 42.1 42.6 43.1	436 440 444	447 450 452 454	456 457 457	45.7 45.7 45.6 45.4	452 450 447	44.4 44.0 49.6 49.2	427 422 41.7	41.1 40.5 29.9 29.3	38.7 38.0 37.4	367 360 364 36	7 340 333 324	31.9 31.2 30.6 29.9	292 286 280	27.3 26.7 26.1	25.5 24.9 24.3 2	23.8 23.2 22.7 22	11 216 211 206 201

% MPE Contour

identifies a 20 cm

active antennas

