

Equivalent Isotropically Radiated Power (EIRP) Substitution

Company: ADC Inc.
EUT: DGVL461110SYS
Date: 11/10/05
Tested By: Joe Sausen

SUBSTITUTION PERFORMED

Plug in freq, final dBuV/m, Matching Sig gen level, and cable loss

(if using antenna other than dipole also enter ant. Gain) - final matching dBm will automatically be calculated in column F. (Final dBm = Sig gen level (dBm) - Cable loss + Ant. Gain)

Schwarzbeck dipole antenna gain : 2.15dBi -10dB + 1.64dB = -6.21

2.15dBi theoretical gain of a dipole, 10dB internal attenuator, 1.64dB correction for 73 / 50 ohm balun

		Matches		Dipole	Matches
Freq. (MHz)	Final (dBuV/m)	Sig Gen Level (dBm)	Cable Loss (dB)	Ant. Gain (dB)	Final (dBm)
426	68.8	-31.3	1.6	-6.21	-39.11

SUBSTITUTION EXTRAPOLATED TO OTHER SPURIOUS EMISSIONS

Enter any more spurious frequencies and final dBuV/m. Corresponding final power levels will automatically be calculated.

Freq. MHz	Final dBuV/m	Correction Factor	Final dBm	Final uW
426	68.8	107.91	-39.11	0.122744
1963	78.86	107.91	-29.05	1.244515
1945	78.01	107.91	-29.90	1.023293
1970	77.92	107.91	-29.99	1.002305
1958	77.42	107.91	-30.49	0.893305

RADIATED EMISSIONS



Test Report #: WC505743 Run 1 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: AD Band

Data File Name: 5743.dat

Page: 1 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 1930 MHz:						
1.93 GHz maxed:						
1.93 GHz	93.4 Pk	3.89 / 27.7 / 49.86 / 0.0	75.13	V / 1.50 / 162	-32.78	-19.78
1.917 GHz	56.85 Pk	3.88 / 27.64 / 49.91 / 0.0	38.46	V / 1.50 / 162	-69.45	-56.45
1.846 GHz	68.6 Pk	3.83 / 27.3 / 49.79 / 0.0	49.93	V / 1.50 / 162	-57.98	-44.98
1.829 GHz	50.25 Pk	3.81 / 27.22 / 49.74 / 0.0	31.54	V / 1.50 / 162	-76.37	-63.37
1.775 GHz	53.05 Pk	3.74 / 26.96 / 49.67 / 0.0	34.08	V / 1.50 / 162	-73.83	-60.83
1.704 GHz	56.8 Pk	3.62 / 26.62 / 49.76 / 0.0	37.28	V / 1.50 / 162	-70.63	-57.63
1.633 GHz	59.75 Pk	3.55 / 26.28 / 49.58 / 0.0	39.99	V / 1.50 / 162	-67.92	-54.92
1.567 GHz	59.4 Pk	3.49 / 25.96 / 49.6 / 0.0	39.25	V / 1.50 / 162	-68.66	-55.66
1.562 GHz	75.05 Pk	3.49 / 25.94 / 49.62 / 0.0	54.86	V / 1.50 / 162	-53.05	-40.05
1.546 GHz	55.5 Pk	3.47 / 25.86 / 49.67 / 0.0	35.16	V / 1.50 / 162	-72.75	-59.75
1.491 GHz	62.6 Pk	3.42 / 25.63 / 49.8 / 0.0	41.85	V / 1.50 / 162	-66.06	-53.06
1.42 GHz	61.65 Pk	3.3 / 25.53 / 49.65 / 0.0	40.83	V / 1.50 / 162	-67.08	-54.08
1.349 GHz	71.6 Pk	3.18 / 25.44 / 49.37 / 0.0	50.84	V / 1.50 / 162	-57.07	-44.07
1.278 GHz	63.55 Pk	3.1 / 25.34 / 49.25 / 0.0	42.74	V / 1.50 / 162	-65.17	-52.17
1.988 GHz	56.5 Pk	3.9 / 27.98 / 49.65 / 0.0	38.72	V / 1.50 / 162	-69.19	-56.19
2.13 GHz	62.5 Pk	3.97 / 28.2 / 49.41 / 0.0	45.27	V / 1.50 / 162	-62.64	-49.64
2.201 GHz	55.95 Pk	4.06 / 28.3 / 49.42 / 0.0	38.9	V / 1.50 / 162	-69.01	-56.01
2.272 GHz	52.25 Pk	4.15 / 28.39 / 49.07 / 0.0	35.72	V / 1.50 / 162	-72.19	-59.19
2.343 GHz	50.15 Pk	4.24 / 28.48 / 49.14 / 0.0	33.74	V / 1.50 / 162	-74.17	-61.17
2.414 GHz	56.4 Pk	4.31 / 28.58 / 49.36 / 0.0	39.93	V / 1.50 / 162	-67.98	-54.98
2.698 GHz	54.75 Pk	4.48 / 29.23 / 48.26 / 0.0	40.2	V / 1.50 / 162	-67.71	-54.71
2.84 GHz	50.85 Pk	4.6 / 29.61 / 48.37 / 0.0	36.69	V / 1.50 / 162	-71.22	-58.22
2.982 GHz	53.9 Pk	4.74 / 30.0 / 48.19 / 0.0	40.45	V / 1.50 / 162	-67.46	-54.46
3.266 GHz	54.05 Pk	5.0 / 30.62 / 47.55 / 0.0	42.11	V / 1.50 / 162	-65.8	-52.8

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 1 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: AD Band

Data File Name: 5743.dat

Page: 2 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
3.55 GHz	46.55 Pk	5.38 / 31.24 / 47.16 / 0.0	36.01	V / 1.50 / 162	-71.9	-58.9
3.692 GHz	46.6 Pk	5.56 / 31.6 / 46.95 / 0.0	36.8	V / 1.50 / 162	-71.11	-58.11
3.976 GHz	45.7 Pk	5.84 / 32.33 / 46.09 / 0.0	37.78	V / 1.50 / 162	-70.13	-57.13
4.118 GHz	45.9 Pk	6.04 / 32.36 / 45.8 / 0.0	38.5	V / 1.50 / 162	-69.41	-56.41
4.26 GHz	45.55 Pk	6.1 / 32.33 / 46.03 / 0.0	37.95	V / 1.50 / 162	-69.96	-56.96
4.402 GHz	47.4 Pk	6.1 / 32.31 / 45.82 / 0.0	39.98	V / 1.50 / 162	-67.93	-54.93
4.686 GHz	43.2 Pk	6.24 / 32.66 / 45.39 / 0.0	36.71	V / 1.50 / 162	-71.2	-58.2
1.065 GHz	68.95 Pk	2.83 / 25.06 / 49.22 / 0.0	47.62	V / 1.50 / 162	-60.29	-47.29
1.136 GHz	61.2 Pk	2.93 / 25.15 / 49.55 / 0.0	39.73	V / 1.50 / 162	-68.18	-55.18
1.207 GHz	66.55 Pk	3.01 / 25.25 / 49.62 / 0.0	45.19	V / 1.50 / 162	-62.72	-49.72
1.278 GHz	63.75 Pk	3.1 / 25.34 / 49.25 / 0.0	42.94	V / 1.50 / 162	-64.97	-51.97
2.911 GHz	50.3 Pk	4.67 / 29.81 / 48.48 / 0.0	36.3	V / 1.50 / 162	-71.61	-58.61
3.408 GHz	49.55 Pk	5.15 / 30.92 / 47.3 / 0.0	38.32	V / 1.50 / 162	-69.59	-56.59
4.038 GHz	46.75 Pk	5.93 / 32.38 / 45.84 / 0.0	39.22	V / 1.50 / 162	-68.69	-55.69
1.562 GHz maxed:						
1.562 GHz	78.05 Pk	3.49 / 25.94 / 49.62 / 0.0	57.86	V / 1.04 / 149	-50.05	-37.05
1.207 GHz	68.85 Pk	3.01 / 25.25 / 49.62 / 0.0	47.49	V / 1.04 / 149	-60.42	-47.42
1.278 GHz	66.3 Pk	3.1 / 25.34 / 49.25 / 0.0	45.49	V / 1.04 / 149	-62.42	-49.42
1.349 GHz	73.15 Pk	3.18 / 25.44 / 49.37 / 0.0	52.39	V / 1.04 / 149	-55.52	-42.52
1.491 GHz	65.55 Pk	3.42 / 25.63 / 49.8 / 0.0	44.8	V / 1.04 / 149	-63.11	-50.11
2.84 GHz	53.75 Pk	4.6 / 29.61 / 48.37 / 0.0	39.59	V / 1.04 / 149	-68.32	-55.32
3.692 GHz	50.2 Pk	5.56 / 31.6 / 46.95 / 0.0	40.4	V / 1.04 / 149	-67.51	-54.51
4.038 GHz	52.6 Pk	5.93 / 32.38 / 45.84 / 0.0	45.07	V / 1.04 / 149	-62.84	-49.84
1.349 GHz maxed:						
1.349 GHz	74.6 Pk	3.18 / 25.44 / 49.37 / 0.0	53.84	V / 1.43 / 0	n/a	n/a

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 1 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: AD Band

Data File Name: 5743.dat

Page: 3 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.136 GHz	66.2 Pk	2.93 / 25.15 / 49.55 / 0.0	44.73	V / 1.43 / 0	-54.07	-41.07
2.982 GHz	59.6 Pk	4.74 / 30.0 / 48.19 / 0.0	46.15	V / 1.43 / 0	-63.18	-50.18
3.266 GHz	56.15 Pk	5.0 / 30.62 / 47.55 / 0.0	44.21	V / 1.43 / 0	-61.76	-48.76
3.408 GHz	54.7 Pk	5.15 / 30.92 / 47.3 / 0.0	43.47	V / 1.43 / 0	-63.7	-50.7
4.686 GHz	49.9 Pk	6.24 / 32.66 / 45.39 / 0.0	43.41	V / 1.43 / 0	-64.44	-51.44
3.976 GHz	48.5 Pk	5.84 / 32.33 / 46.09 / 0.0	40.58	H / 1.43 / 0	-67.33	-54.33
3.975 GHz maxed						
3.976 GHz	49.1 Pk	5.84 / 32.33 / 46.09 / 0.0	41.18	H / 2.16 / 0	-66.73	-53.73
1.562 GHz maxed:						
1.562 GHz	68.7 Pk	3.49 / 25.94 / 49.62 / 0.0	48.51	H / 2.60 / 222	-59.4	-46.4
1.349 GHz maxed:						
1.349 GHz	66.85 Pk	3.18 / 25.44 / 49.37 / 0.0	46.09	H / 2.60 / 195	-61.82	-48.82
TRX setting = 1940 MHz:						
1.562 GHz	77.4 Pk	3.49 / 25.94 / 49.62 / 0.0	57.21	V / 1.00 / 149	-50.7	-37.7
1.207 GHz	70.2 Pk	3.01 / 25.25 / 49.62 / 0.0	48.84	V / 1.00 / 149	-59.07	-46.07
1.704 GHz	59.95 Pk	3.62 / 26.62 / 49.76 / 0.0	40.43	V / 1.00 / 149	-67.48	-54.48
2.84 GHz	57.6 Pk	4.6 / 29.61 / 48.37 / 0.0	43.44	V / 1.00 / 149	-64.47	-51.47
1.349 GHz	74.45 Pk	3.18 / 25.44 / 49.37 / 0.0	53.69	V / 1.00 / 149	-54.22	-41.22
1.94 GHz	89.65 Pk	3.9 / 27.75 / 49.83 / 0.0	71.47	V / 1.00 / 149	-36.44	-23.44
TRX setting = 1950 MHz:						

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 1 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: AD Band

Data File Name: 5743.dat

Page: 4 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.95 GHz	88.6 Pk	3.9 / 27.79 / 49.79 / 0.0	70.5	V / 1.00 / 149	-37.41	-24.41
1.562 GHz	76.95 Pk	3.49 / 25.94 / 49.62 / 0.0	56.76	V / 1.00 / 149	-51.15	-38.15
4.26 GHz	47.85 Pk	6.1 / 32.33 / 46.03 / 0.0	40.25	V / 1.00 / 149	-67.66	-54.66
7103.8 MHz maxed:						
7.104 GHz	51.6 Pk	8.1 / 35.62 / 45.73 / 0.0	49.59	V / 1.06 / 10	-58.32	-45.32
71.0 MHz	50.1 Qp	0.7 / 8.5 / 27.0 / 0.0	32.3	V / 1.06 / 10	-75.61	-62.61
71.108 MHz	58.1 Qp	0.7 / 8.48 / 27.0 / 0.0	40.28	V / 1.06 / 10	-67.63	-54.63
142.0 MHz	68.15 Qp	1.0 / 9.22 / 26.97 / 0.0	51.4	V / 1.06 / 10	-56.51	-43.51
213.0 MHz	51.6 Qp	1.21 / 10.53 / 27.11 / 0.0	36.23	V / 1.06 / 10	-71.68	-58.68
284.0 MHz	70.6 Qp	1.5 / 12.56 / 27.43 / 0.0	57.23	V / 1.06 / 10	-50.68	-37.68
355.0 MHz	59.35 Qp	1.6 / 14.65 / 27.6 / 0.0	48.0	V / 1.06 / 10	-59.91	-46.91
426.0 MHz	72.25 Qp	1.71 / 16.18 / 27.9 / 0.0	62.24	V / 1.06 / 10	-45.67	-32.67
497.0 MHz	57.25 Qp	1.9 / 17.39 / 27.93 / 0.0	48.61	V / 1.06 / 10	-59.3	-46.3
568.0 MHz	57.8 Qp	2.03 / 18.42 / 28.1 / 0.0	50.15	V / 1.06 / 10	-57.76	-44.76
639.0 MHz	53.55 Qp	2.1 / 19.5 / 28.2 / 0.0	46.95	V / 1.06 / 10	-60.96	-47.96
710.0 MHz	61.8 Qp	2.3 / 20.2 / 27.95 / 0.0	56.35	V / 1.06 / 10	-51.56	-38.56
781.0 MHz	46.55 Qp	2.39 / 21.54 / 27.83 / 0.0	42.65	V / 1.06 / 10	-65.26	-52.26
852.0 MHz	44.05 Qp	2.51 / 21.9 / 27.78 / 0.0	40.69	V / 1.06 / 10	-67.22	-54.22
923.0 MHz	48.8 Qp	2.63 / 22.46 / 27.6 / 0.0	46.29	V / 1.06 / 10	-61.62	-48.62
994.0 MHz	42.5 Qp	2.73 / 22.66 / 27.57 / 0.0	40.33	V / 1.06 / 10	-67.58	-54.58
766.744 MHz	47.1 Qp	2.36 / 21.37 / 27.88 / 0.0	42.95	V / 1.06 / 10	-64.96	-51.96
616.017 MHz	40.35 Qp	2.1 / 19.62 / 28.14 / 0.0	33.93	V / 1.06 / 10	-73.98	-60.98
298.737 MHz	49.1 Qp	1.5 / 13.15 / 27.5 / 0.0	36.25	V / 1.06 / 10	-71.66	-58.66
155.942 MHz	47.6 Qp	1.0 / 8.86 / 26.96 / 0.0	30.5	V / 1.06 / 10	-77.41	-64.41

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 1 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: AD Band

Data File Name: 5743.dat

Page: 5 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
284 MHz maxed:						
284.0 MHz	72.56 Qp	1.5 / 12.56 / 27.43 / 0.0	59.19	V / 1.00 / 111	-48.72	-35.72
568.0 MHz	61.15 Qp	2.03 / 18.42 / 28.1 / 0.0	53.5	V / 1.00 / 111	-54.41	-41.41
639.0 MHz	59.8 Qp	2.1 / 19.5 / 28.2 / 0.0	53.2	V / 1.00 / 111	-54.71	-41.71
852.0 MHz	51.25 Qp	2.51 / 21.9 / 27.78 / 0.0	47.89	V / 1.00 / 111	-60.02	-47.02
923.0 MHz	50.45 Qp	2.63 / 22.46 / 27.6 / 0.0	47.94	V / 1.00 / 111	-59.97	-46.97
994.0 MHz	45.95 Qp	2.73 / 22.66 / 27.57 / 0.0	43.78	V / 1.00 / 111	-64.13	-51.13
213.0 MHz	55.5 Qp	1.21 / 10.53 / 27.11 / 0.0	40.13	H / 1.00 / 111	-67.78	-54.78
355.0 MHz	61.65 Qp	1.6 / 14.65 / 27.6 / 0.0	50.3	H / 1.00 / 111	-57.61	-44.61
781.0 MHz	47.55 Qp	2.39 / 21.54 / 27.83 / 0.0	43.65	H / 1.00 / 111	-64.26	-51.26
994.0 MHz	49.05 Qp	2.73 / 22.66 / 27.57 / 0.0	46.88	H / 1.00 / 111	-61.03	-48.03
TRX setting = 1940 MHz:						
284.0 MHz	69.55 Qp	1.5 / 12.56 / 27.43 / 0.0	56.18	V / 1.00 / 111	-51.73	-38.73
355.0 MHz	62.15 Qp	1.6 / 14.65 / 27.6 / 0.0	50.8	H / 1.00 / 111	-57.11	-44.11
TRx setting = 1930 MHz						
355.0 MHz	62.2 Qp	1.6 / 14.65 / 27.6 / 0.0	50.85	H / 1.00 / 111	-57.06	-44.06
284.0 MHz	69.75 Qp	1.5 / 12.56 / 27.43 / 0.0	56.38	V / 1.00 / 111	-51.53	-38.53
No further significant EUT emissions detected 30 MHz to 20 GHz, vert and hor ant.						

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 1 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

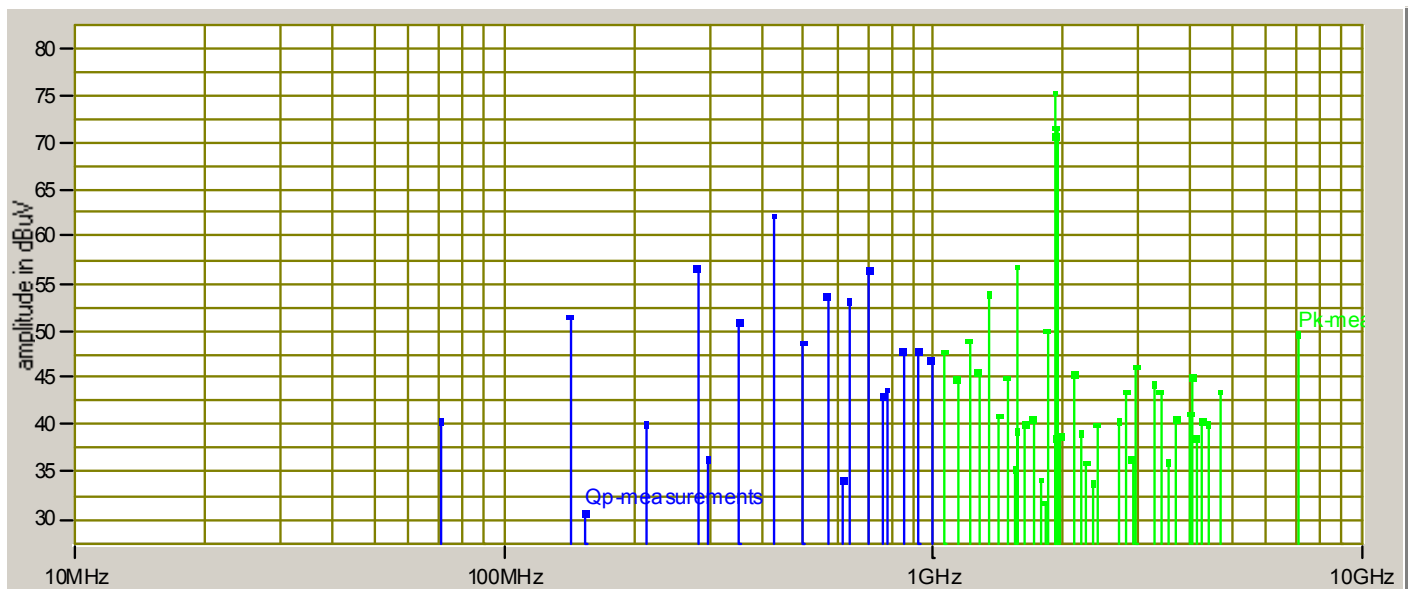
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: AD Band

Data File Name: 5743.dat Page: 6 of 6

Graph:



Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 2 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: DBE Band

Data File Name: 5743.dat

Page: 1 of 6

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 1945 MHz:						
71.0 MHz	44.15 Qp	0.7 / 8.5 / 27.0 / 0.0	26.35	V / 1.00 / 110	-81.56	-68.56
142.0 MHz	61.7 Qp	1.0 / 9.22 / 26.97 / 0.0	44.95	V / 1.00 / 110	-62.96	-49.96
155.942 MHz	47.25 Qp	1.0 / 8.86 / 26.96 / 0.0	30.15	V / 1.00 / 110	-77.76	-64.76
213.0 MHz	50.85 Qp	1.21 / 10.53 / 27.11 / 0.0	35.48	V / 1.00 / 110	-72.43	-59.43
284.0 MHz	68.3 Qp	1.5 / 12.56 / 27.43 / 0.0	54.93	V / 1.00 / 110	-52.98	-39.98
298.737 MHz	43.8 Qp	1.5 / 13.15 / 27.5 / 0.0	30.95	V / 1.00 / 110	-76.96	-63.96
355.0 MHz	56.75 Qp	1.6 / 14.65 / 27.6 / 0.0	45.4	V / 1.00 / 110	-62.51	-49.51
426.0 MHz	71.9 Qp	1.71 / 16.18 / 27.9 / 0.0	61.89	V / 1.00 / 110	-46.02	-33.02
497.0 MHz	64.4 Qp	1.9 / 17.39 / 27.93 / 0.0	55.76	V / 1.00 / 110	-52.15	-39.15
568.0 MHz	55.35 Qp	2.03 / 18.42 / 28.1 / 0.0	47.7	V / 1.00 / 110	-60.21	-47.21
616.017 MHz	36.8 Qp	2.1 / 19.62 / 28.14 / 0.0	30.38	V / 1.00 / 110	-77.53	-64.53
639.0 MHz	63.4 Qp	2.1 / 19.5 / 28.2 / 0.0	56.8	V / 1.00 / 110	-51.11	-38.11
710.0 MHz	68.75 Qp	2.3 / 20.2 / 27.95 / 0.0	63.3	V / 1.00 / 110	-44.61	-31.61
766.744 MHz	39.7 Qp	2.36 / 21.37 / 27.88 / 0.0	35.55	V / 1.00 / 110	-72.36	-59.36
781.0 MHz	55.3 Qp	2.39 / 21.54 / 27.83 / 0.0	51.4	V / 1.00 / 110	-56.51	-43.51
852.0 MHz	49.2 Qp	2.51 / 21.9 / 27.78 / 0.0	45.84	V / 1.00 / 110	-62.07	-49.07
923.0 MHz	50.6 Qp	2.63 / 22.46 / 27.6 / 0.0	48.09	V / 1.00 / 110	-59.82	-46.82
994.0 MHz	57.5 Qp	2.73 / 22.66 / 27.57 / 0.0	55.33	V / 1.00 / 110	-52.58	-39.58
426 MHz maxed:						
426.0 MHz	74.3 Qp	1.71 / 16.18 / 27.9 / 0.0	64.29	V / 1.49 / 347	-43.62	-30.62
71.108 MHz	56.8 Qp	0.7 / 8.48 / 27.0 / 0.0	38.98	V / 1.49 / 347	-68.93	-55.93
213.0 MHz	54.9 Qp	1.21 / 10.53 / 27.11 / 0.0	39.53	V / 1.49 / 347	-68.38	-55.38
355.0 MHz	66.3 Qp	1.6 / 14.65 / 27.6 / 0.0	54.95	V / 1.49 / 347	-52.96	-39.96
781.0 MHz	62.75 Qp	2.39 / 21.54 / 27.83 / 0.0	58.85	V / 1.49 / 347	-49.06	-36.06

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 2 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: DBE Band

Data File Name: 5743.dat

Page: 2 of 6

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
710 MHz maxed:						
710.0 MHz	66.9 Qp	2.3 / 20.2 / 27.95 / 0.0	61.45	V / 1.00 / 234	-46.46	-33.46
142.0 MHz	65.2 Qp	1.0 / 9.22 / 26.97 / 0.0	48.45	V / 1.00 / 234	-59.46	-46.46
142.0 MHz maxed:						
142.0 MHz	69.05 Qp	1.0 / 9.22 / 26.97 / 0.0	52.3	H / 1.00 / 234	-55.61	-42.61
766.858 MHz	43.15 Qp	2.36 / 21.37 / 27.88 / 0.0	39.0	H / 1.00 / 234	-68.91	-55.91
923.0 MHz	53.8 Qp	2.63 / 22.46 / 27.6 / 0.0	51.29	H / 1.00 / 234	-56.62	-43.62
TRX setting = 1957.5 MHz						
142.0 MHz	69.27 Qp	1.0 / 9.22 / 26.97 / 0.0	52.52	H / 1.00 / 234	-55.39	-42.39
710.0 MHz	66.25 Qp	2.3 / 20.2 / 27.95 / 0.0	60.8	V / 1.00 / 234	-47.11	-34.11
426.0 MHz	67.8 Qp	1.71 / 16.18 / 27.9 / 0.0	57.79	V / 1.00 / 234	-50.12	-37.12
TRX setting = 1970 MHz:						
710.0 MHz	66.25 Qp	2.3 / 20.2 / 27.95 / 0.0	60.8	V / 1.00 / 234	-47.11	-34.11
142.0 MHz	64.7 Qp	1.0 / 9.22 / 26.97 / 0.0	47.95	V / 1.00 / 234	-59.96	-46.96
426.0 MHz	67.85 Qp	1.71 / 16.18 / 27.9 / 0.0	57.84	V / 1.00 / 234	-50.07	-37.07
142.0 MHz	69.28 Qp	1.0 / 9.22 / 26.97 / 0.0	52.53	H / 1.00 / 234	-55.38	-42.38
1.562 GHz maxed:						
1.562 GHz	69.8 Pk	3.49 / 25.94 / 49.62 / 0.0	49.61	V / 2.77 / 114	-58.3	-45.3
1.065 GHz	65.4 Pk	2.83 / 25.06 / 49.22 / 0.0	44.07	V / 2.77 / 114	-63.84	-50.84
1.136 GHz	60.05 Pk	2.93 / 25.15 / 49.55 / 0.0	38.58	V / 2.77 / 114	-69.33	-56.33
1.207 GHz	65.15 Pk	3.01 / 25.25 / 49.62 / 0.0	43.79	V / 2.77 / 114	-64.12	-51.12
1.278 GHz	58.95 Pk	3.1 / 25.34 / 49.25 / 0.0	38.14	V / 2.77 / 114	-69.77	-56.77
1.349 GHz	67.55 Pk	3.18 / 25.44 / 49.37 / 0.0	46.79	V / 2.77 / 114	-61.12	-48.12

Tested by: J. C. Sausen

Printed

J C Sausen

Signature

Reviewed by: Joel T Schneider

Printed

Joel T. Schneider

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 2 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: DBE Band

Data File Name: 5743.dat

Page: 3 of 6

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.42 GHz	58.2 Pk	3.3 / 25.53 / 49.65 / 0.0	37.38	V / 2.77 / 114	-70.53	-57.53
1.491 GHz	61.05 Pk	3.42 / 25.63 / 49.8 / 0.0	40.3	V / 2.77 / 114	-67.61	-54.61
1.562 GHz	69.85 Pk	3.49 / 25.94 / 49.62 / 0.0	49.66	V / 2.77 / 114	-58.25	-45.25
1.633 GHz	60.8 Pk	3.55 / 26.28 / 49.58 / 0.0	41.04	V / 2.77 / 114	-66.87	-53.87
1.704 GHz	56.4 Pk	3.62 / 26.62 / 49.76 / 0.0	36.88	V / 2.77 / 114	-71.03	-58.03
1.775 GHz	56.95 Pk	3.74 / 26.96 / 49.67 / 0.0	37.98	V / 2.77 / 114	-69.93	-56.93
1.846 GHz	69.15 Pk	3.83 / 27.3 / 49.79 / 0.0	50.48	V / 2.77 / 114	-57.43	-44.43
1.917 GHz	51.5 Pk	3.88 / 27.64 / 49.91 / 0.0	33.11	V / 2.77 / 114	-74.8	-61.8
1.988 GHz	53.5 Pk	3.9 / 27.98 / 49.65 / 0.0	35.72	V / 2.77 / 114	-72.19	-59.19
2.13 GHz	54.35 Pk	3.97 / 28.2 / 49.41 / 0.0	37.12	V / 2.77 / 114	-70.79	-57.79
2.272 GHz	46.15 Pk	4.15 / 28.39 / 49.07 / 0.0	29.62	V / 2.77 / 114	-78.29	-65.29
2.414 GHz	51.8 Pk	4.31 / 28.58 / 49.36 / 0.0	35.33	V / 2.77 / 114	-72.58	-59.58
2.698 GHz	52.05 Pk	4.48 / 29.23 / 48.26 / 0.0	37.5	V / 2.77 / 114	-70.41	-57.41
2.84 GHz	45.35 Pk	4.6 / 29.61 / 48.37 / 0.0	31.19	V / 2.77 / 114	-76.72	-63.72
2.982 GHz	47.4 Pk	4.74 / 30.0 / 48.19 / 0.0	33.95	V / 2.77 / 114	-73.96	-60.96
3.266 GHz	45.45 Pk	5.0 / 30.62 / 47.55 / 0.0	33.51	V / 2.77 / 114	-74.4	-61.4
3.408 GHz	41.7 Pk	5.15 / 30.92 / 47.3 / 0.0	30.47	V / 2.77 / 114	-77.44	-64.44
3.55 GHz	41.25 Pk	5.38 / 31.24 / 47.16 / 0.0	30.71	V / 2.77 / 114	-77.2	-64.2
3.692 GHz	42.35 Pk	5.56 / 31.6 / 46.95 / 0.0	32.55	V / 2.77 / 114	-75.36	-62.36
3.976 GHz	41.5 Pk	5.84 / 32.33 / 46.09 / 0.0	33.58	V / 2.77 / 114	-74.33	-61.33
4.118 GHz	42.9 Pk	6.04 / 32.36 / 45.8 / 0.0	35.5	V / 2.77 / 114	-72.41	-59.41
4.26 GHz	42.9 Pk	6.1 / 32.33 / 46.03 / 0.0	35.3	V / 2.77 / 114	-72.61	-59.61
4.402 GHz	41.9 Pk	6.1 / 32.31 / 45.82 / 0.0	34.48	V / 2.77 / 114	-73.43	-60.43
4.686 GHz	39.3 Pk	6.24 / 32.66 / 45.39 / 0.0	32.81	V / 2.77 / 114	-75.1	-62.1
3.266 GHz	50.55 Pk	5.0 / 30.62 / 47.55 / 0.0	38.61	V / 1.00 / 114	-69.3	-56.3
2.698 GHz	54.8 Pk	4.48 / 29.23 / 48.26 / 0.0	40.25	V / 1.00 / 114	-67.66	-54.66

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 2 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: DBE Band

Data File Name: 5743.dat

Page: 4 of 6

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
2.13 GHz	58.5 Pk	3.97 / 28.2 / 49.41 / 0.0	41.27	V / 1.00 / 114	-66.64	-53.64
1.988 GHz	59.0 Pk	3.9 / 27.98 / 49.65 / 0.0	41.22	V / 1.00 / 114	-66.69	-53.69
1.917 GHz	57.2 Pk	3.88 / 27.64 / 49.91 / 0.0	38.81	V / 1.00 / 114	-69.1	-56.1
1.704 GHz	58.6 Pk	3.62 / 26.62 / 49.76 / 0.0	39.08	V / 1.00 / 114	-68.83	-55.83
1.491 GHz	64.1 Pk	3.42 / 25.63 / 49.8 / 0.0	43.35	V / 1.00 / 114	-64.56	-51.56
1.349 GHz	71.4 Pk	3.18 / 25.44 / 49.37 / 0.0	50.64	V / 1.00 / 114	-57.27	-44.27
1.278 GHz	70.9 Pk	3.1 / 25.34 / 49.25 / 0.0	50.09	V / 1.00 / 114	-57.82	-44.82
1.136 GHz	64.45 Pk	2.93 / 25.15 / 49.55 / 0.0	42.98	V / 1.00 / 114	-64.93	-51.93
1.97 GHz	94.3 Pk	3.9 / 27.89 / 49.72 / 0.0	76.37	V / 1.50 / 180	-31.54	-18.54
Maximized horizontal frequencies						
1.97 GHz	95.85 Pk	3.9 / 27.89 / 49.72 / 0.0	77.92	H / 1.50 / 145	-29.99	-16.99
1.349 GHz	72.05 Pk	3.18 / 25.44 / 49.37 / 0.0	51.29	H / 1.40 / 175	-56.62	-43.62
1.278 GHz	68.9 Pk	3.1 / 25.34 / 49.25 / 0.0	48.09	H / 1.40 / 165	-59.82	-46.82
TRX setting = 1957.5 MHz						
1.958 GHz	95.45 Pk	3.9 / 27.83 / 49.76 / 0.0	77.42	V / 1.30 / 270	-30.49	-17.49
1.846 GHz	69.0 Pk	3.83 / 27.3 / 49.79 / 0.0	50.33	V / 2.80 / 114	-57.58	-44.58
1.562 GHz	70.05 Pk	3.49 / 25.94 / 49.62 / 0.0	49.86	V / 2.80 / 114	-58.05	-45.05
1.349 GHz	67.85 Pk	3.18 / 25.44 / 49.37 / 0.0	47.09	V / 2.80 / 114	-60.82	-47.82
1.278 GHz	62.4 Pk	3.1 / 25.34 / 49.25 / 0.0	41.59	V / 2.80 / 114	-66.32	-53.32
1.349 GHz	72.1 Pk	3.18 / 25.44 / 49.37 / 0.0	51.34	H / 2.80 / 114	-56.57	-43.57
1.278 GHz	69.1 Pk	3.1 / 25.34 / 49.25 / 0.0	48.29	H / 2.80 / 114	-59.62	-46.62
TRX setting = 1945 MHz						

Tested by: J. C. Sausen

Printed

J C Sausen

Signature

Reviewed by: Joel T Schneider

Printed

Joel T. Schneider

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 2 Test Area: LTS
EUT Model #: SCS1900 Date: 12/6/2005
EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C
Test Method: FCC part 24 Air Pressure: 99.0 kPa
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: DBE Band

Data File Name: 5743.dat

Page: 5 of 6

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.945 GHz	96.15 Pk	3.9 / 27.77 / 49.81 / 0.0	78.01	V / 1.40 / 90	-29.9	-16.9
1.846 GHz	69.35 Pk	3.83 / 27.3 / 49.79 / 0.0	50.68	V / 2.80 / 114	-57.23	-44.23
1.562 GHz	71.6 Pk	3.49 / 25.94 / 49.62 / 0.0	51.41	V / 2.80 / 114	-56.5	-43.5
1.349 GHz	68.7 Pk	3.18 / 25.44 / 49.37 / 0.0	47.94	V / 2.80 / 114	-59.97	-46.97
1.278 GHz	63.45 Pk	3.1 / 25.34 / 49.25 / 0.0	42.64	V / 2.80 / 114	-65.27	-52.27
1.278 GHz	68.8 Pk	3.1 / 25.34 / 49.25 / 0.0	47.99	H / 2.80 / 114	-59.92	-46.92
1.349 GHz	70.8 Pk	3.18 / 25.44 / 49.37 / 0.0	50.04	H / 2.80 / 114	-57.87	-44.87

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 2 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

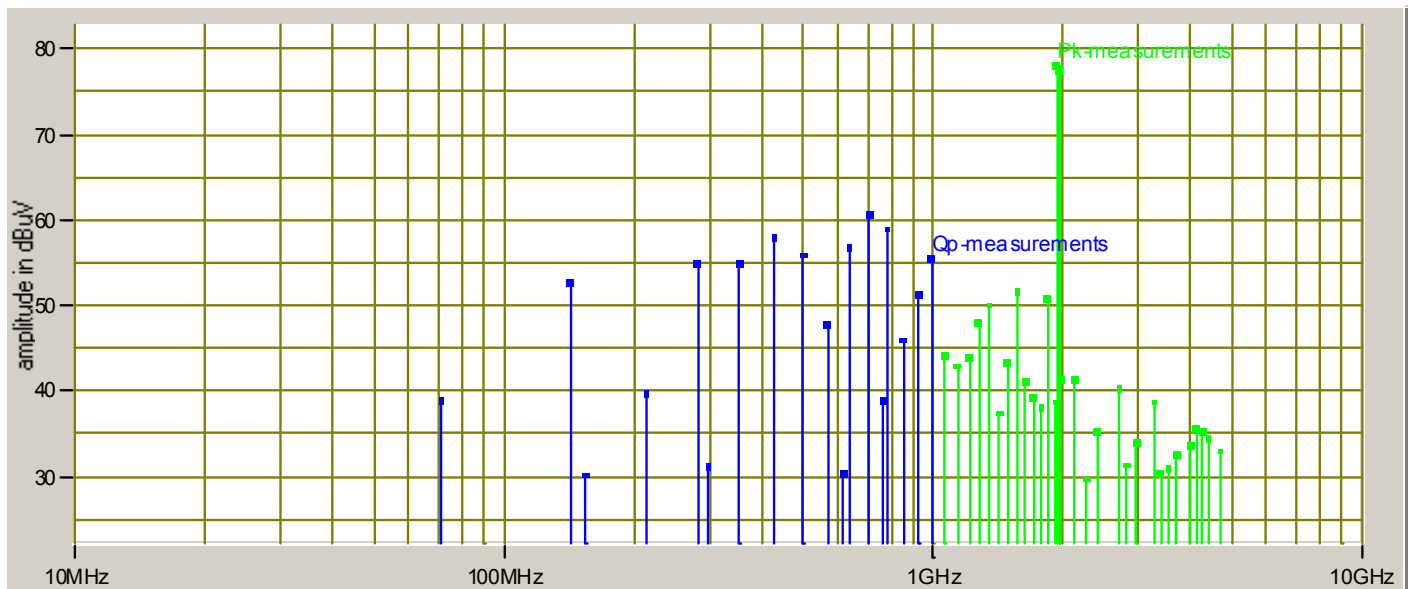
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: DBE Band

Data File Name: 5743.dat Page: 6 of 6

Graph:



Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 1 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 1950 MHz						
1.95 GHz	94.1 Pk	3.9 / 27.79 / 49.79 / 0.0	76.0	V / 1.40 / 95	-31.91	-18.91
1.065 GHz	66.1 Pk	2.83 / 25.06 / 49.22 / 0.0	44.77	V / 1.40 / 95	-63.14	-50.14
1.136 GHz	62.95 Pk	2.93 / 25.15 / 49.55 / 0.0	41.48	V / 1.40 / 95	-66.43	-53.43
1.207 GHz	65.5 Pk	3.01 / 25.25 / 49.62 / 0.0	44.14	V / 1.40 / 95	-63.77	-50.77
1.278 GHz	65.95 Pk	3.1 / 25.34 / 49.25 / 0.0	45.14	V / 1.40 / 95	-62.77	-49.77
1.349 GHz	70.85 Pk	3.18 / 25.44 / 49.37 / 0.0	50.09	V / 1.40 / 95	-57.82	-44.82
1.42 GHz	59.1 Pk	3.3 / 25.53 / 49.65 / 0.0	38.28	V / 1.40 / 95	-69.63	-56.63
1.491 GHz	67.8 Pk	3.42 / 25.63 / 49.8 / 0.0	47.05	V / 1.40 / 95	-60.86	-47.86
1.562 GHz	74.55 Pk	3.49 / 25.94 / 49.62 / 0.0	54.36	V / 1.40 / 95	-53.55	-40.55
1.633 GHz	65.05 Pk	3.55 / 26.28 / 49.58 / 0.0	45.29	V / 1.40 / 95	-62.62	-49.62
1.704 GHz	60.4 Pk	3.62 / 26.62 / 49.76 / 0.0	40.88	V / 1.40 / 95	-67.03	-54.03
1.775 GHz	57.05 Pk	3.74 / 26.96 / 49.67 / 0.0	38.08	V / 1.40 / 95	-69.83	-56.83
1.846 GHz	68.95 Pk	3.83 / 27.3 / 49.79 / 0.0	50.28	V / 1.40 / 95	-57.63	-44.63
1.917 GHz	52.9 Pk	3.88 / 27.64 / 49.91 / 0.0	34.51	V / 1.40 / 95	-73.4	-60.4
1.988 GHz	56.2 Pk	3.9 / 27.98 / 49.65 / 0.0	38.42	V / 1.40 / 95	-69.49	-56.49
2.13 GHz	52.7 Pk	3.97 / 28.2 / 49.41 / 0.0	35.47	V / 1.40 / 95	-72.44	-59.44
2.201 GHz	50.3 Pk	4.06 / 28.3 / 49.42 / 0.0	33.25	V / 1.40 / 95	-74.66	-61.66
2.272 GHz	48.6 Pk	4.15 / 28.39 / 49.07 / 0.0	32.07	V / 1.40 / 95	-75.84	-62.84
2.414 GHz	54.1 Pk	4.31 / 28.58 / 49.36 / 0.0	37.63	V / 1.40 / 95	-70.28	-57.28
2.698 GHz	50.15 Pk	4.48 / 29.23 / 48.26 / 0.0	35.6	V / 1.40 / 95	-72.31	-59.31
2.84 GHz	47.6 Pk	4.6 / 29.61 / 48.37 / 0.0	33.44	V / 1.40 / 95	-74.47	-61.47
2.911 GHz	46.45 Pk	4.67 / 29.81 / 48.48 / 0.0	32.45	V / 1.40 / 95	-75.46	-62.46
2.982 GHz	50.95 Pk	4.74 / 30.0 / 48.19 / 0.0	37.5	V / 1.40 / 95	-70.41	-57.41
3.266 GHz	51.6 Pk	5.0 / 30.62 / 47.55 / 0.0	39.66	V / 1.40 / 95	-68.25	-55.25
3.408 GHz	46.6 Pk	5.15 / 30.92 / 47.3 / 0.0	35.37	V / 1.40 / 95	-72.54	-59.54

Tested by: Michael Schultz

Printed

Michael Schultz

Signature

Reviewed by: Joel T Schneider

Printed

Joel T. Schneider

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 2 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
4.118 GHz	44.25 Pk	6.04 / 32.36 / 45.8 / 0.0	36.85	V / 1.40 / 95	-71.06	-58.06
4.26 GHz	43.7 Pk	6.1 / 32.33 / 46.03 / 0.0	36.1	V / 1.40 / 95	-71.81	-58.81
4.402 GHz	41.95 Pk	6.1 / 32.31 / 45.82 / 0.0	34.53	V / 1.40 / 95	-73.38	-60.38
1.065 GHz	70.45 Pk	2.83 / 25.06 / 49.22 / 0.0	49.12	V / 1.65 / 0	-58.79	-45.79
1.136 GHz	67.95 Pk	2.93 / 25.15 / 49.55 / 0.0	46.48	V / 1.65 / 0	-61.43	-48.43
1.207 GHz	66.35 Pk	3.01 / 25.25 / 49.62 / 0.0	44.99	V / 1.65 / 0	-62.92	-49.92
1.278 GHz	63.4 Pk	3.1 / 25.34 / 49.25 / 0.0	42.59	V / 1.65 / 0	-65.32	-52.32
1.349 GHz	71.05 Pk	3.18 / 25.44 / 49.37 / 0.0	50.29	V / 1.55 / 0	-57.62	-44.62
1.42 GHz	55.1 Pk	3.3 / 25.53 / 49.65 / 0.0	34.28	V / 1.55 / 0	-73.63	-60.63
1.491 GHz	57.15 Pk	3.42 / 25.63 / 49.8 / 0.0	36.4	V / 1.55 / 0	-71.51	-58.51
1.562 GHz	58.35 Pk	3.49 / 25.94 / 49.62 / 0.0	38.16	V / 1.55 / 0	-69.75	-56.75
1.633 GHz	55.25 Pk	3.55 / 26.28 / 49.58 / 0.0	35.49	V / 1.55 / 0	-72.42	-59.42
1.775 GHz	51.45 Pk	3.74 / 26.96 / 49.67 / 0.0	32.48	V / 1.55 / 0	-75.43	-62.43
1.846 GHz	63.3 Pk	3.83 / 27.3 / 49.79 / 0.0	44.63	V / 1.55 / 0	-63.28	-50.28
1.917 GHz	56.7 Pk	3.88 / 27.64 / 49.91 / 0.0	38.31	V / 1.55 / 0	-69.6	-56.6
1.988 GHz	51.75 Pk	3.9 / 27.98 / 49.65 / 0.0	33.97	V / 1.55 / 0	-73.94	-60.94
2.13 GHz	54.3 Pk	3.97 / 28.2 / 49.41 / 0.0	37.07	V / 1.55 / 0	-70.84	-57.84
2.201 GHz	51.2 Pk	4.06 / 28.3 / 49.42 / 0.0	34.15	V / 1.55 / 0	-73.76	-60.76
2.414 GHz	55.45 Pk	4.31 / 28.58 / 49.36 / 0.0	38.98	V / 1.55 / 0	-68.93	-55.93
2.698 GHz	52.65 Pk	4.48 / 29.23 / 48.26 / 0.0	38.1	V / 1.55 / 0	-69.81	-56.81
2.84 GHz	53.6 Pk	4.6 / 29.61 / 48.37 / 0.0	39.44	V / 1.55 / 0	-68.47	-55.47
2.982 GHz	59.15 Pk	4.74 / 30.0 / 48.19 / 0.0	45.7	V / 1.55 / 0	-62.21	-49.21
3.266 GHz	52.25 Pk	5.0 / 30.62 / 47.55 / 0.0	40.31	V / 1.55 / 0	-67.6	-54.6
3.408 GHz	52.45 Pk	5.15 / 30.92 / 47.3 / 0.0	41.22	V / 1.55 / 0	-66.69	-53.69
3.55 GHz	52.5 Pk	5.38 / 31.24 / 47.16 / 0.0	41.96	V / 1.55 / 0	-65.95	-52.95

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 3 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
3.692 GHz	46.65 Pk	5.56 / 31.6 / 46.95 / 0.0	36.85	V / 1.55 / 0	-71.06	-58.06
3.976 GHz	46.35 Pk	5.84 / 32.33 / 46.09 / 0.0	38.43	V / 1.55 / 0	-69.48	-56.48
4.402 GHz	44.85 Pk	6.1 / 32.31 / 45.82 / 0.0	37.43	V / 1.55 / 0	-70.48	-57.48
4.686 GHz	48.9 Pk	6.24 / 32.66 / 45.39 / 0.0	42.41	V / 1.55 / 0	-65.5	-52.5
1.065 GHz	71.25 Pk	2.83 / 25.06 / 49.22 / 0.0	49.92	V / 1.55 / 180	-57.99	-44.99
1.136 GHz	61.25 Pk	2.93 / 25.15 / 49.55 / 0.0	39.78	V / 1.55 / 180	-68.13	-55.13
1.207 GHz	67.8 Pk	3.01 / 25.25 / 49.62 / 0.0	46.44	V / 1.55 / 180	-61.47	-48.47
1.278 GHz	69.65 Pk	3.1 / 25.34 / 49.25 / 0.0	48.84	V / 1.55 / 180	-59.07	-46.07
1.349 GHz	72.7 Pk	3.18 / 25.44 / 49.37 / 0.0	51.94	V / 1.55 / 180	-55.97	-42.97
1.42 GHz	59.05 Pk	3.3 / 25.53 / 49.65 / 0.0	38.23	V / 1.55 / 180	-69.68	-56.68
1.491 GHz	67.4 Pk	3.42 / 25.63 / 49.8 / 0.0	46.65	V / 1.55 / 180	-61.26	-48.26
1.562 GHz	70.15 Pk	3.49 / 25.94 / 49.62 / 0.0	49.96	V / 1.55 / 180	-57.95	-44.95
1.633 GHz	59.05 Pk	3.55 / 26.28 / 49.58 / 0.0	39.29	V / 1.55 / 180	-68.62	-55.62
1.704 GHz	57.0 Pk	3.62 / 26.62 / 49.76 / 0.0	37.48	V / 1.55 / 180	-70.43	-57.43
1.775 GHz	52.9 Pk	3.74 / 26.96 / 49.67 / 0.0	33.93	V / 1.55 / 180	-73.98	-60.98
1.846 GHz	52.2 Pk	3.83 / 27.3 / 49.79 / 0.0	33.53	V / 1.55 / 180	-74.38	-61.38
1.917 GHz	55.5 Pk	3.88 / 27.64 / 49.91 / 0.0	37.11	V / 1.55 / 180	-70.8	-57.8
1.988 GHz	52.4 Pk	3.9 / 27.98 / 49.65 / 0.0	34.62	V / 1.55 / 180	-73.29	-60.29
2.13 GHz	61.95 Pk	3.97 / 28.2 / 49.41 / 0.0	44.72	V / 1.55 / 180	-63.19	-50.19
2.201 GHz	55.15 Pk	4.06 / 28.3 / 49.42 / 0.0	38.1	V / 1.55 / 180	-69.81	-56.81
2.272 GHz	51.85 Pk	4.15 / 28.39 / 49.07 / 0.0	35.32	V / 1.55 / 180	-72.59	-59.59
2.343 GHz	55.0 Pk	4.24 / 28.48 / 49.14 / 0.0	38.59	V / 1.55 / 180	-69.32	-56.32
2.414 GHz	58.5 Pk	4.31 / 28.58 / 49.36 / 0.0	42.03	V / 1.55 / 180	-65.88	-52.88
2.698 GHz	53.75 Pk	4.48 / 29.23 / 48.26 / 0.0	39.2	V / 1.55 / 180	-68.71	-55.71
2.84 GHz	51.45 Pk	4.6 / 29.61 / 48.37 / 0.0	37.29	V / 1.55 / 180	-70.62	-57.62

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 4 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
2.911 GHz	48.0 Pk	4.67 / 29.81 / 48.48 / 0.0	34.0	V / 1.55 / 180	-73.91	-60.91
2.982 GHz	52.45 Pk	4.74 / 30.0 / 48.19 / 0.0	39.0	V / 1.55 / 180	-68.91	-55.91
3.266 GHz	49.8 Pk	5.0 / 30.62 / 47.55 / 0.0	37.86	V / 1.55 / 180	-70.05	-57.05
3.408 GHz	48.55 Pk	5.15 / 30.92 / 47.3 / 0.0	37.32	V / 1.55 / 180	-70.59	-57.59
3.55 GHz	45.4 Pk	5.38 / 31.24 / 47.16 / 0.0	34.86	V / 1.55 / 180	-73.05	-60.05
4.118 GHz	46.75 Pk	6.04 / 32.36 / 45.8 / 0.0	39.35	V / 1.55 / 180	-68.56	-55.56
4.26 GHz	46.7 Pk	6.1 / 32.33 / 46.03 / 0.0	39.1	V / 1.55 / 180	-68.81	-55.81
4.402 GHz	47.45 Pk	6.1 / 32.31 / 45.82 / 0.0	40.03	V / 1.55 / 180	-67.88	-54.88
4.686 GHz	43.65 Pk	6.24 / 32.66 / 45.39 / 0.0	37.16	V / 1.55 / 180	-70.75	-57.75
1.065 GHz	72.05 Pk	2.83 / 25.06 / 49.22 / 0.0	50.72	V / 1.55 / 270	-57.19	-44.19
1.136 GHz	61.05 Pk	2.93 / 25.15 / 49.55 / 0.0	39.58	V / 1.55 / 270	-68.33	-55.33
1.207 GHz	68.05 Pk	3.01 / 25.25 / 49.62 / 0.0	46.69	V / 1.55 / 270	-61.22	-48.22
1.278 GHz	67.65 Pk	3.1 / 25.34 / 49.25 / 0.0	46.84	V / 1.55 / 270	-61.07	-48.07
1.349 GHz	66.6 Pk	3.18 / 25.44 / 49.37 / 0.0	45.84	V / 1.55 / 270	-62.07	-49.07
1.42 GHz	58.6 Pk	3.3 / 25.53 / 49.65 / 0.0	37.78	V / 1.55 / 270	-70.13	-57.13
1.491 GHz	57.7 Pk	3.42 / 25.63 / 49.8 / 0.0	36.95	V / 1.55 / 270	-70.96	-57.96
1.562 GHz	68.85 Pk	3.49 / 25.94 / 49.62 / 0.0	48.66	V / 1.55 / 270	-59.25	-46.25
1.633 GHz	57.55 Pk	3.55 / 26.28 / 49.58 / 0.0	37.79	V / 1.55 / 270	-70.12	-57.12
1.704 GHz	50.25 Pk	3.62 / 26.62 / 49.76 / 0.0	30.73	V / 1.55 / 270	-77.18	-64.18
1.775 GHz	52.2 Pk	3.74 / 26.96 / 49.67 / 0.0	33.23	V / 1.55 / 270	-74.68	-61.68
1.846 GHz	65.5 Pk	3.83 / 27.3 / 49.79 / 0.0	46.83	V / 1.55 / 270	-61.08	-48.08
1.917 GHz	57.95 Pk	3.88 / 27.64 / 49.91 / 0.0	39.56	V / 1.55 / 270	-68.35	-55.35
1.988 GHz	56.35 Pk	3.9 / 27.98 / 49.65 / 0.0	38.57	V / 1.55 / 270	-69.34	-56.34
2.13 GHz	58.8 Pk	3.97 / 28.2 / 49.41 / 0.0	41.57	V / 1.55 / 270	-66.34	-53.34
2.201 GHz	52.9 Pk	4.06 / 28.3 / 49.42 / 0.0	35.85	V / 1.55 / 270	-72.06	-59.06

Tested by: Michael Schultz

Printed

Michael Schultz

Signature

Reviewed by: Joel T Schneider

Printed

Joel T. Schneider

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 5 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
2.272 GHz	50.25 Pk	4.15 / 28.39 / 49.07 / 0.0	33.72	V / 1.55 / 270	-74.19	-61.19
2.414 GHz	54.0 Pk	4.31 / 28.58 / 49.36 / 0.0	37.53	V / 1.55 / 270	-70.38	-57.38
2.698 GHz	52.55 Pk	4.48 / 29.23 / 48.26 / 0.0	38.0	V / 1.55 / 270	-69.91	-56.91
2.84 GHz	47.4 Pk	4.6 / 29.61 / 48.37 / 0.0	33.24	V / 1.55 / 270	-74.67	-61.67
3.266 GHz	51.5 Pk	5.0 / 30.62 / 47.55 / 0.0	39.56	V / 1.55 / 270	-68.35	-55.35
3.408 GHz	42.45 Pk	5.15 / 30.92 / 47.3 / 0.0	31.22	V / 1.55 / 270	-76.69	-63.69
3.55 GHz	47.15 Pk	5.38 / 31.24 / 47.16 / 0.0	36.61	V / 1.55 / 270	-71.3	-58.3
3.692 GHz	44.55 Pk	5.56 / 31.6 / 46.95 / 0.0	34.75	V / 1.55 / 270	-73.16	-60.16
4.26 GHz	43.2 Pk	6.1 / 32.33 / 46.03 / 0.0	35.6	V / 1.55 / 270	-72.31	-59.31
4.402 GHz	43.95 Pk	6.1 / 32.31 / 45.82 / 0.0	36.53	V / 1.55 / 270	-71.38	-58.38
Maximized Vertical frequencies above 1 GHz						
1.065 GHz	72.65 Pk	2.83 / 25.06 / 49.22 / 0.0	51.32	V / 1.55 / 130	-56.59	-43.59
1.349 GHz	76.0 Pk	3.18 / 25.44 / 49.37 / 0.0	55.24	V / 1.50 / 100	-52.67	-39.67
1.562 GHz	77.5 Pk	3.49 / 25.94 / 49.62 / 0.0	57.31	V / 1.45 / 150	-50.6	-37.6
1.846 GHz	70.25 Pk	3.83 / 27.3 / 49.79 / 0.0	51.58	V / 1.40 / 70	-56.33	-43.33
Maximized Horizontal frequencies above 1 GHz						
1.065 GHz	73.4 Pk	2.83 / 25.06 / 49.22 / 0.0	52.07	H / 1.40 / 195	-55.84	-42.84
1.562 GHz	66.65 Pk	3.49 / 25.94 / 49.62 / 0.0	46.46	H / 1.40 / 195	-61.45	-48.45
1.349 GHz	63.8 Pk	3.18 / 25.44 / 49.37 / 0.0	43.04	H / 1.40 / 195	-64.87	-51.87
1.846 GHz	64.25 Pk	3.83 / 27.3 / 49.79 / 0.0	45.58	H / 1.40 / 195	-62.33	-49.33
TRX setting = 1962.5 MHz						
1.963 GHz	96.85 Pk	3.9 / 27.85 / 49.75 / 0.0	78.86	V / 1.40 / 95	-29.05	-16.05
1.963 GHz	88.0 Pk	3.9 / 27.85 / 49.75 / 0.0	70.01	H / 1.00 / 95	-37.9	-24.9

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 6 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.065 GHz	71.85 Pk	2.83 / 25.06 / 49.22 / 0.0	50.52	V / 1.60 / 130	-57.39	-44.39
1.349 GHz	76.6 Pk	3.18 / 25.44 / 49.37 / 0.0	55.84	V / 1.50 / 100	-52.07	-39.07
1.562 GHz	77.5 Pk	3.49 / 25.94 / 49.62 / 0.0	57.31	V / 1.50 / 150	-50.6	-37.6
1.562 GHz	72.8 Pk	3.49 / 25.94 / 49.62 / 0.0	52.61	V / 1.50 / 150	-55.3	-42.3
1.065 GHz	72.1 Pk	2.83 / 25.06 / 49.22 / 0.0	50.77	H / 1.40 / 195	-57.14	-44.14
1.349 GHz	63.35 Pk	3.18 / 25.44 / 49.37 / 0.0	42.59	H / 1.40 / 195	-65.32	-52.32
1.562 GHz	68.5 Pk	3.49 / 25.94 / 49.62 / 0.0	48.31	H / 1.40 / 195	-59.6	-46.6
1.846 GHz	65.35 Pk	3.83 / 27.3 / 49.79 / 0.0	46.68	H / 1.40 / 195	-61.23	-48.23
TRX setting = 1975						
1.975 GHz	93.2 Pk	3.9 / 27.91 / 49.7 / 0.0	75.31	V / 1.40 / 95	-32.6	-19.6
1.975 GHz	81.75 Pk	3.9 / 27.91 / 49.7 / 0.0	63.86	H / 1.40 / 95	-44.05	-31.05
1.065 GHz	71.85 Pk	2.83 / 25.06 / 49.22 / 0.0	50.52	V / 1.40 / 95	-57.39	-44.39
1.349 GHz	75.8 Pk	3.18 / 25.44 / 49.37 / 0.0	55.04	V / 1.60 / 100	-52.87	-39.87
1.562 GHz	77.35 Pk	3.49 / 25.94 / 49.62 / 0.0	57.16	V / 1.60 / 100	-50.75	-37.75
1.846 GHz	70.4 Pk	3.83 / 27.3 / 49.79 / 0.0	51.73	V / 1.40 / 70	-56.18	-43.18
1.065 GHz	71.35 Pk	2.83 / 25.06 / 49.22 / 0.0	50.02	H / 1.40 / 195	-57.89	-44.89
1.349 GHz	63.5 Pk	3.18 / 25.44 / 49.37 / 0.0	42.74	H / 1.40 / 195	-65.17	-52.17
1.562 GHz	67.95 Pk	3.49 / 25.94 / 49.62 / 0.0	47.76	H / 1.40 / 195	-60.15	-47.15
1.846 GHz	65.25 Pk	3.83 / 27.3 / 49.79 / 0.0	46.58	H / 1.40 / 195	-61.33	-48.33
TRX setting = 1975 MHz						
71.108 MHz	57.35 Qp	0.7 / 8.48 / 27.0 / 0.0	39.53	V / 1.00 / 0	-68.38	-55.38
142.0 MHz	70.75 Qp	1.0 / 9.22 / 26.97 / 0.0	54.0	V / 1.00 / 0	-53.91	-40.91

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 7 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
155.942 MHz	44.1 Qp	1.0 / 8.86 / 26.96 / 0.0	27.0	V / 1.00 / 0	-80.91	-67.91
213.0 MHz	58.7 Qp	1.21 / 10.53 / 27.11 / 0.0	43.33	V / 1.00 / 0	-64.58	-51.58
284.0 MHz	65.05 Qp	1.5 / 12.56 / 27.43 / 0.0	51.68	V / 1.00 / 0	-56.23	-43.23
298.737 MHz	48.2 Qp	1.5 / 13.15 / 27.5 / 0.0	35.35	V / 1.00 / 0	-72.56	-59.56
355.0 MHz	62.85 Qp	1.6 / 14.65 / 27.6 / 0.0	51.5	V / 1.00 / 0	-56.41	-43.41
426.0 MHz	71.15 Qp	1.71 / 16.18 / 27.9 / 0.0	61.14	V / 1.00 / 0	-46.77	-33.77
497.0 MHz	59.25 Qp	1.9 / 17.39 / 27.93 / 0.0	50.61	V / 1.00 / 0	-57.3	-44.3
568.0 MHz	58.1 Qp	2.03 / 18.42 / 28.1 / 0.0	50.45	V / 1.00 / 0	-57.46	-44.46
616.017 MHz	31.35 Qp	2.1 / 19.62 / 28.14 / 0.0	24.93	V / 1.00 / 0	-82.98	-69.98
639.0 MHz	55.65 Qp	2.1 / 19.5 / 28.2 / 0.0	49.05	V / 1.00 / 0	-58.86	-45.86
710.0 MHz	50.95 Qp	2.3 / 20.2 / 27.95 / 0.0	45.5	V / 1.00 / 0	-62.41	-49.41
766.744 MHz	28.05 Qp	2.36 / 21.37 / 27.88 / 0.0	23.9	V / 1.00 / 0	-84.01	-71.01
781.0 MHz	49.4 Qp	2.39 / 21.54 / 27.83 / 0.0	45.5	V / 1.00 / 0	-62.41	-49.41
852.0 MHz	54.4 Qp	2.51 / 21.9 / 27.78 / 0.0	51.04	V / 1.00 / 0	-56.87	-43.87
923.0 MHz	45.35 Qp	2.63 / 22.46 / 27.6 / 0.0	42.84	V / 1.00 / 0	-65.07	-52.07
994.0 MHz	51.45 Qp	2.73 / 22.66 / 27.57 / 0.0	49.28	V / 1.00 / 0	-58.63	-45.63
284.0 MHz	71.15 Qp	1.5 / 12.56 / 27.43 / 0.0	57.78	V / 1.00 / 90	-50.13	-37.13
355.0 MHz	64.1 Qp	1.6 / 14.65 / 27.6 / 0.0	52.75	V / 1.00 / 90	-55.16	-42.16
616.017 MHz	32.55 Qp	2.1 / 19.62 / 28.14 / 0.0	26.13	V / 1.00 / 90	-81.78	-68.78
710.0 MHz	60.35 Qp	2.3 / 20.2 / 27.95 / 0.0	54.9	V / 1.00 / 90	-53.01	-40.01
766.744 MHz	28.55 Qp	2.36 / 21.37 / 27.88 / 0.0	24.4	V / 1.00 / 90	-83.51	-70.51
923.0 MHz	46.1 Qp	2.63 / 22.46 / 27.6 / 0.0	43.59	V / 1.00 / 90	-64.32	-51.32
994.0 MHz	52.7 Qp	2.73 / 22.66 / 27.57 / 0.0	50.53	V / 1.00 / 90	-57.38	-44.38
616.017 MHz	40.1 Qp	2.1 / 19.62 / 28.14 / 0.0	33.68	V / 1.00 / 180	-74.23	-61.23

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 8 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
639.0 MHz	60.75 Qp	2.1 / 19.5 / 28.2 / 0.0	54.15	V / 1.00 / 180	-53.76	-40.76
710.0 MHz	66.4 Qp	2.3 / 20.2 / 27.95 / 0.0	60.95	V / 1.00 / 180	-46.96	-33.96
766.744 MHz	28.95 Qp	2.36 / 21.37 / 27.88 / 0.0	24.8	V / 1.00 / 180	-83.11	-70.11
781.0 MHz	49.55 Qp	2.39 / 21.54 / 27.83 / 0.0	45.65	V / 1.00 / 180	-62.26	-49.26
852.0 MHz	55.35 Qp	2.51 / 21.9 / 27.78 / 0.0	51.99	V / 1.00 / 180	-55.92	-42.92
923.0 MHz	51.7 Qp	2.63 / 22.46 / 27.6 / 0.0	49.19	V / 1.00 / 180	-58.72	-45.72
994.0 MHz	56.85 Qp	2.73 / 22.66 / 27.57 / 0.0	54.68	V / 1.00 / 180	-53.23	-40.23
Maximized Vertical frequencies 30-1000 MHz TRX setting =1975 MHz						
426.0 MHz	74.0 Qp	1.71 / 16.18 / 27.9 / 0.0	63.99	V / 1.40 / 270	-43.92	-30.92
639.0 MHz	65.65 Qp	2.1 / 19.5 / 28.2 / 0.0	59.05	V / 1.30 / 195	-48.86	-35.86
710.0 MHz	69.95 Qp	2.3 / 20.2 / 27.95 / 0.0	64.5	V / 1.20 / 160	-43.41	-30.41
994.0 MHz	57.5 Qp	2.73 / 22.66 / 27.57 / 0.0	55.33	V / 1.20 / 180	-52.58	-39.58
Maximized Horizontal frequencies 30-1000 MHz TRX setting = 1975 MHz						
284.0 MHz	74.15 Qp	1.5 / 12.56 / 27.43 / 0.0	60.78	H / 1.20 / 0	-47.13	-34.13
766.744 MHz	29.65 Qp	2.36 / 21.37 / 27.88 / 0.0	25.5	H / 1.20 / 0	-82.41	-69.41
852.0 MHz	57.05 Qp	2.51 / 21.9 / 27.78 / 0.0	53.69	H / 1.20 / 90	-54.22	-41.22
213.0 MHz	62.65 Qp	1.21 / 10.53 / 27.11 / 0.0	47.28	H / 1.20 / 180	-60.63	-47.63
155.942 MHz	51.25 Qp	1.0 / 8.86 / 26.96 / 0.0	34.15	H / 1.20 / 270	-73.76	-60.76
TRX setting = 1962.5 MHz below 1 GHz						
852.0 MHz	62.15 Qp	2.51 / 21.9 / 27.78 / 0.0	58.79	H / 1.20 / 140	-49.12	-36.12

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 9 of 10

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
284.0 MHz	76.75 Qp	1.5 / 12.56 / 27.43 / 0.0	63.38	H / 1.20 / 350	-44.53	-31.53
426.0 MHz	73.75 Qp	1.71 / 16.18 / 27.9 / 0.0	63.74	V / 1.40 / 270	-44.17	-31.17
639.0 MHz	65.35 Qp	2.1 / 19.5 / 28.2 / 0.0	58.75	V / 1.30 / 195	-49.16	-36.16
710.0 MHz	69.8 Qp	2.3 / 20.2 / 27.95 / 0.0	64.35	V / 1.20 / 160	-43.56	-30.56
994.0 MHz	57.6 Qp	2.73 / 22.66 / 27.57 / 0.0	55.43	V / 1.20 / 180	-52.48	-39.48
TRX setting = 1950 MHz below 1 GHz						
426.0 MHz	74.15 Qp	1.71 / 16.18 / 27.9 / 0.0	64.14	V / 1.40 / 270	-43.77	-30.77
639.0 MHz	66.2 Qp	2.1 / 19.5 / 28.2 / 0.0	59.6	V / 1.30 / 195	-48.31	-35.31
710.0 MHz	70.1 Qp	2.3 / 20.2 / 27.95 / 0.0	64.65	V / 1.20 / 160	-43.26	-30.26
994.0 MHz	57.6 Qp	2.73 / 22.66 / 27.57 / 0.0	55.43	V / 1.20 / 180	-52.48	-39.48
852.0 MHz	63.65 Qp	2.51 / 21.9 / 27.78 / 0.0	60.29	H / 1.20 / 140	-47.62	-34.62
284.0 MHz	77.2 Qp	1.5 / 12.56 / 27.43 / 0.0	63.83	H / 1.20 / 350	-44.08	-31.08
Scan complete BEF Band						

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 3 Test Area: LTS
EUT Model #: SCS1900 Date: 12/6/2005
EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C
Test Method: FCC part 24 Air Pressure: 99.0 kPa
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

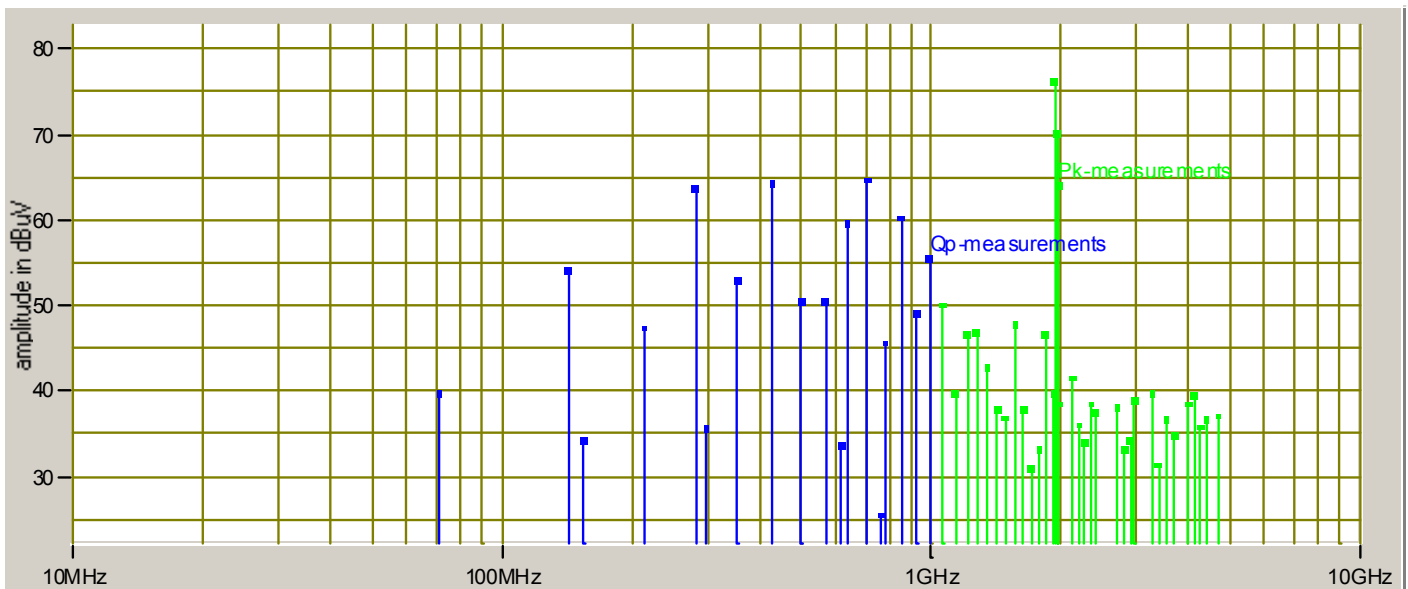
EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: BEF Band

Data File Name: 5743.dat

Page: 10 of 10

Graph:



Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 1 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 1965 MHz						
71.108 MHz	57.9 Qp	0.7 / 8.48 / 27.0 / 0.0	40.08	V / 1.00 / 0	-67.83	-54.83
142.0 MHz	69.85 Qp	1.0 / 9.22 / 26.97 / 0.0	53.1	V / 1.00 / 0	-54.81	-41.81
155.942 MHz	48.05 Qp	1.0 / 8.86 / 26.96 / 0.0	30.95	V / 1.00 / 0	-76.96	-63.96
213.0 MHz	52.6 Qp	1.21 / 10.53 / 27.11 / 0.0	37.23	V / 1.00 / 0	-70.68	-57.68
284.0 MHz	63.85 Qp	1.5 / 12.56 / 27.43 / 0.0	50.48	V / 1.00 / 0	-57.43	-44.43
298.737 MHz	47.8 Qp	1.5 / 13.15 / 27.5 / 0.0	34.95	V / 1.00 / 0	-72.96	-59.96
355.0 MHz	51.85 Qp	1.6 / 14.65 / 27.6 / 0.0	40.5	V / 1.00 / 0	-67.41	-54.41
426.0 MHz	71.15 Qp	1.71 / 16.18 / 27.9 / 0.0	61.14	V / 1.00 / 0	-46.77	-33.77
497.0 MHz	59.25 Qp	1.9 / 17.39 / 27.93 / 0.0	50.61	V / 1.00 / 0	-57.3	-44.3
568.0 MHz	59.5 Qp	2.03 / 18.42 / 28.1 / 0.0	51.85	V / 1.00 / 0	-56.06	-43.06
616.017 MHz	30.55 Qp	2.1 / 19.62 / 28.14 / 0.0	24.13	V / 1.00 / 0	-83.78	-70.78
639.0 MHz	59.5 Qp	2.1 / 19.5 / 28.2 / 0.0	52.9	V / 1.00 / 0	-55.01	-42.01
710.0 MHz	61.4 Qp	2.3 / 20.2 / 27.95 / 0.0	55.95	V / 1.00 / 0	-51.96	-38.96
766.744 MHz	31.35 Qp	2.36 / 21.37 / 27.88 / 0.0	27.2	V / 1.00 / 0	-80.71	-67.71
781.0 MHz	47.95 Qp	2.39 / 21.54 / 27.83 / 0.0	44.05	V / 1.00 / 0	-63.86	-50.86
852.0 MHz	43.45 Qp	2.51 / 21.9 / 27.78 / 0.0	40.09	V / 1.00 / 0	-67.82	-54.82
923.0 MHz	46.35 Qp	2.63 / 22.46 / 27.6 / 0.0	43.84	V / 1.00 / 0	-64.07	-51.07
994.0 MHz	52.35 Qp	2.73 / 22.66 / 27.57 / 0.0	50.18	V / 1.00 / 0	-57.73	-44.73
213.0 MHz	55.45 Qp	1.21 / 10.53 / 27.11 / 0.0	40.08	V / 1.00 / 90	-67.83	-54.83
284.0 MHz	65.0 Qp	1.5 / 12.56 / 27.43 / 0.0	51.63	V / 1.00 / 90	-56.28	-43.28
355.0 MHz	66.45 Qp	1.6 / 14.65 / 27.6 / 0.0	55.1	V / 1.00 / 90	-52.81	-39.81
710.0 MHz	64.6 Qp	2.3 / 20.2 / 27.95 / 0.0	59.15	V / 1.00 / 90	-48.76	-35.76
852.0 MHz	47.65 Qp	2.51 / 21.9 / 27.78 / 0.0	44.29	V / 1.00 / 90	-63.62	-50.62
994.0 MHz	55.05 Qp	2.73 / 22.66 / 27.57 / 0.0	52.88	V / 1.00 / 90	-55.03	-42.03

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 2 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
284.0 MHz	65.2 Qp	1.5 / 12.56 / 27.43 / 0.0	51.83	V / 1.00 / 180	-56.08	-43.08
497.0 MHz	60.0 Qp	1.9 / 17.39 / 27.93 / 0.0	51.36	V / 1.00 / 180	-56.55	-43.55
639.0 MHz	61.05 Qp	2.1 / 19.5 / 28.2 / 0.0	54.45	V / 1.00 / 180	-53.46	-40.46
710.0 MHz	64.7 Qp	2.3 / 20.2 / 27.95 / 0.0	59.25	V / 1.00 / 180	-48.66	-35.66
781.0 MHz	52.8 Qp	2.39 / 21.54 / 27.83 / 0.0	48.9	V / 1.00 / 180	-59.01	-46.01
852.0 MHz	51.0 Qp	2.51 / 21.9 / 27.78 / 0.0	47.64	V / 1.00 / 180	-60.27	-47.27
923.0 MHz	49.8 Qp	2.63 / 22.46 / 27.6 / 0.0	47.29	V / 1.00 / 270	-60.62	-47.62
Maximized Vertical frequencies 30-1000 MHz						
426.0 MHz	76.1 Qp	1.71 / 16.18 / 27.9 / 0.0	66.09	V / 1.40 / 270	-41.82	-28.82
639.0 MHz	65.95 Qp	2.1 / 19.5 / 28.2 / 0.0	59.35	V / 1.30 / 195	-48.56	-35.56
710.0 MHz	66.35 Qp	2.3 / 20.2 / 27.95 / 0.0	60.9	V / 1.30 / 160	-47.01	-34.01
994.0 MHz	57.35 Qp	2.73 / 22.66 / 27.57 / 0.0	55.18	V / 1.30 / 180	-52.73	-39.73
284.0 MHz	66.05 Qp	1.5 / 12.56 / 27.43 / 0.0	52.68	H / 1.00 / 0	-55.23	-42.23
213.0 MHz	62.45 Qp	1.21 / 10.53 / 27.11 / 0.0	47.08	H / 1.00 / 180	-60.83	-47.83
284.0 MHz	75.15 Qp	1.5 / 12.56 / 27.43 / 0.0	61.78	H / 1.00 / 180	-46.13	-33.13
616.017 MHz	33.75 Qp	2.1 / 19.62 / 28.14 / 0.0	27.33	H / 1.00 / 180	-80.58	-67.58
766.744 MHz	32.95 Qp	2.36 / 21.37 / 27.88 / 0.0	28.8	H / 1.00 / 180	-79.11	-66.11
781.0 MHz	55.1 Qp	2.39 / 21.54 / 27.83 / 0.0	51.2	H / 1.00 / 180	-56.71	-43.71
155.942 MHz	50.45 Qp	1.0 / 8.86 / 26.96 / 0.0	33.35	H / 1.00 / 270	-74.56	-61.56
284.0 MHz	76.3 Qp	1.5 / 12.56 / 27.43 / 0.0	62.93	H / 1.00 / 270	-44.98	-31.98
852.0 MHz	55.95 Qp	2.51 / 21.9 / 27.78 / 0.0	52.59	H / 1.00 / 270	-55.32	-42.32

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 3 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
Maximized Horizontal frequencies 30-1000 MHz						
284.0 MHz	76.65 Qp	1.5 / 12.56 / 27.43 / 0.0	63.28	H / 1.20 / 290	-44.63	-31.63
852.0 MHz	56.55 Qp	2.51 / 21.9 / 27.78 / 0.0	53.19	H / 1.20 / 140	-54.72	-41.72
TRX setting = 1977.5 MHz						
426.0 MHz	76.05 Qp	1.71 / 16.18 / 27.9 / 0.0	66.04	V / 1.40 / 270	-41.87	-28.87
639.0 MHz	66.55 Qp	2.1 / 19.5 / 28.2 / 0.0	59.95	V / 1.30 / 195	-47.96	-34.96
710.0 MHz	66.65 Qp	2.3 / 20.2 / 27.95 / 0.0	61.2	V / 1.30 / 160	-46.71	-33.71
994.0 MHz	57.55 Qp	2.73 / 22.66 / 27.57 / 0.0	55.38	V / 1.30 / 160	-52.53	-39.53
284.0 MHz	76.3 Qp	1.5 / 12.56 / 27.43 / 0.0	62.93	H / 1.20 / 290	-44.98	-31.98
852.0 MHz	57.65 Qp	2.51 / 21.9 / 27.78 / 0.0	54.29	H / 1.20 / 140	-53.62	-40.62
TRX setting = 1990 MHz						
852.0 MHz	57.55 Qp	2.51 / 21.9 / 27.78 / 0.0	54.19	H / 1.20 / 140	-53.72	-40.72
284.0 MHz	77.2 Qp	1.5 / 12.56 / 27.43 / 0.0	63.83	H / 1.20 / 290	-44.08	-31.08
426.0 MHz	75.85 Qp	1.71 / 16.18 / 27.9 / 0.0	65.84	V / 1.40 / 270	-42.07	-29.07
639.0 MHz	66.35 Qp	2.1 / 19.5 / 28.2 / 0.0	59.75	V / 1.30 / 195	-48.16	-35.16
710.0 MHz	66.45 Qp	2.3 / 20.2 / 27.95 / 0.0	61.0	V / 1.40 / 160	-46.91	-33.91
994.0 MHz	57.6 Qp	2.73 / 22.66 / 27.57 / 0.0	55.43	V / 1.40 / 160	-52.48	-39.48
993.886 MHz	25.3 Pk	2.73 / 22.66 / 27.57 / 0.0	23.13	V / 1.40 / 160	-84.78	-71.78
1.065 GHz	65.35 Pk	2.83 / 25.06 / 49.22 / 0.0	44.02	H / 1.00 / 0	-63.89	-50.89
1.136 GHz	59.9 Pk	2.93 / 25.15 / 49.55 / 0.0	38.43	H / 1.00 / 0	-69.48	-56.48
1.207 GHz	67.3 Pk	3.01 / 25.25 / 49.62 / 0.0	45.94	H / 1.00 / 0	-61.97	-48.97
1.278 GHz	65.35 Pk	3.1 / 25.34 / 49.25 / 0.0	44.54	H / 1.00 / 0	-63.37	-50.37

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 4 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.349 GHz	58.15 Pk	3.18 / 25.44 / 49.37 / 0.0	37.39	H / 1.00 / 0	-70.52	-57.52
1.42 GHz	49.25 Pk	3.3 / 25.53 / 49.65 / 0.0	28.43	H / 1.00 / 0	-79.48	-66.48
1.491 GHz	58.15 Pk	3.42 / 25.63 / 49.8 / 0.0	37.4	H / 1.00 / 0	-70.51	-57.51
1.562 GHz	63.05 Pk	3.49 / 25.94 / 49.62 / 0.0	42.86	H / 1.00 / 0	-65.05	-52.05
1.633 GHz	57.65 Pk	3.55 / 26.28 / 49.58 / 0.0	37.89	H / 1.00 / 0	-70.02	-57.02
1.704 GHz	51.65 Pk	3.62 / 26.62 / 49.76 / 0.0	32.13	H / 1.00 / 0	-75.78	-62.78
1.775 GHz	48.1 Pk	3.74 / 26.96 / 49.67 / 0.0	29.13	H / 1.00 / 0	-78.78	-65.78
1.846 GHz	56.15 Pk	3.83 / 27.3 / 49.79 / 0.0	37.48	H / 1.00 / 0	-70.43	-57.43
1.917 GHz	51.95 Pk	3.88 / 27.64 / 49.91 / 0.0	33.56	H / 1.00 / 0	-74.35	-61.35
1.988 GHz	53.3 Pk	3.9 / 27.98 / 49.65 / 0.0	35.52	H / 1.00 / 0	-72.39	-59.39
2.13 GHz	53.4 Pk	3.97 / 28.2 / 49.41 / 0.0	36.17	H / 1.00 / 0	-71.74	-58.74
2.272 GHz	47.15 Pk	4.15 / 28.39 / 49.07 / 0.0	30.62	H / 1.00 / 0	-77.29	-64.29
2.414 GHz	46.8 Pk	4.31 / 28.58 / 49.36 / 0.0	30.33	H / 1.00 / 0	-77.58	-64.58
2.698 GHz	48.9 Pk	4.48 / 29.23 / 48.26 / 0.0	34.35	H / 1.00 / 0	-73.56	-60.56
2.84 GHz	45.15 Pk	4.6 / 29.61 / 48.37 / 0.0	30.99	H / 1.00 / 0	-76.92	-63.92
3.266 GHz	48.25 Pk	5.0 / 30.61 / 47.55 / 0.0	36.31	H / 1.00 / 0	-71.6	-58.6
3.408 GHz	43.45 Pk	5.15 / 30.92 / 47.3 / 0.0	32.22	H / 1.00 / 0	-75.69	-62.69
3.55 GHz	45.2 Pk	5.38 / 31.24 / 47.16 / 0.0	34.66	H / 1.00 / 0	-73.25	-60.25
3.692 GHz	44.75 Pk	5.56 / 31.6 / 46.95 / 0.0	34.95	H / 1.00 / 0	-72.96	-59.96
3.976 GHz	45.95 Pk	5.84 / 32.33 / 46.09 / 0.0	38.03	H / 1.00 / 0	-69.88	-56.88
4.118 GHz	50.5 Pk	6.04 / 32.36 / 45.8 / 0.0	43.1	H / 1.00 / 0	-64.81	-51.81
4.26 GHz	41.75 Pk	6.1 / 32.33 / 46.03 / 0.0	34.15	H / 1.00 / 0	-73.76	-60.76
4.402 GHz	43.5 Pk	6.1 / 32.31 / 45.82 / 0.0	36.08	H / 1.00 / 0	-71.83	-58.83
4.686 GHz	47.9 Pk	6.24 / 32.66 / 45.39 / 0.0	41.41	H / 1.00 / 0	-66.5	-53.5
1.065 GHz	68.95 Pk	2.83 / 25.06 / 49.22 / 0.0	47.62	V / 1.00 / 0	-60.29	-47.29
1.136 GHz	61.5 Pk	2.93 / 25.15 / 49.55 / 0.0	40.03	V / 1.00 / 0	-67.88	-54.88

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 5 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.349 GHz	62.55 Pk	3.18 / 25.44 / 49.37 / 0.0	41.79	V / 1.00 / 0	-66.12	-53.12
1.491 GHz	63.3 Pk	3.42 / 25.63 / 49.8 / 0.0	42.55	V / 1.00 / 0	-65.36	-52.36
1.846 GHz	59.1 Pk	3.83 / 27.3 / 49.79 / 0.0	40.43	V / 1.00 / 0	-67.48	-54.48
2.414 GHz	53.95 Pk	4.31 / 28.58 / 49.36 / 0.0	37.48	V / 1.00 / 0	-70.43	-57.43
2.84 GHz	52.4 Pk	4.6 / 29.61 / 48.37 / 0.0	38.24	V / 1.00 / 0	-69.67	-56.67
2.982 GHz	57.75 Pk	4.74 / 30.0 / 48.19 / 0.0	44.3	V / 1.00 / 0	-63.61	-50.61
3.266 GHz	51.55 Pk	5.0 / 30.61 / 47.55 / 0.0	39.61	V / 1.00 / 0	-68.3	-55.3
3.408 GHz	46.45 Pk	5.15 / 30.92 / 47.3 / 0.0	35.22	V / 1.00 / 0	-72.69	-59.69
3.55 GHz	51.7 Pk	5.38 / 31.24 / 47.16 / 0.0	41.16	V / 1.00 / 0	-66.75	-53.75
2.981 GHz maxed:						
2.982 GHz	60.95 Pk	4.74 / 30.0 / 48.19 / 0.0	47.5	V / 1.00 / 137	-60.41	-47.41
4.118 GHz	51.4 Pk	6.04 / 32.36 / 45.8 / 0.0	44.0	V / 1.00 / 137	-63.91	-50.91
3.692 GHz	49.0 Pk	5.56 / 31.6 / 46.95 / 0.0	39.2	V / 1.00 / 137	-68.71	-55.71
3.408 GHz	56.05 Pk	5.15 / 30.92 / 47.3 / 0.0	44.82	V / 1.00 / 137	-63.09	-50.09
3.266 GHz	53.7 Pk	5.0 / 30.61 / 47.55 / 0.0	41.76	V / 1.00 / 137	-66.15	-53.15
2.698 GHz	53.55 Pk	4.48 / 29.23 / 48.26 / 0.0	39.0	V / 1.00 / 137	-68.91	-55.91
2.13 GHz	56.15 Pk	3.97 / 28.2 / 49.41 / 0.0	38.92	V / 1.00 / 137	-68.99	-55.99
1.846 GHz	59.2 Pk	3.83 / 27.3 / 49.79 / 0.0	40.53	V / 1.00 / 137	-67.38	-54.38
1.775 GHz	54.45 Pk	3.74 / 26.96 / 49.67 / 0.0	35.48	V / 1.00 / 137	-72.43	-59.43
1.562 GHz	64.2 Pk	3.49 / 25.94 / 49.62 / 0.0	44.01	V / 1.00 / 137	-63.9	-50.9
1.42 GHz	56.3 Pk	3.3 / 25.53 / 49.65 / 0.0	35.48	V / 1.00 / 137	-72.43	-59.43
1.391 GHz	65.95 Pk	3.24 / 25.49 / 49.57 / 0.0	45.12	V / 1.00 / 137	-62.79	-49.79
1.393 GHz	66.1 Pk	3.24 / 25.5 / 49.58 / 0.0	45.26	V / 1.00 / 137	-62.65	-49.65
1.415 GHz	67.9 Pk	3.29 / 25.53 / 49.64 / 0.0	47.07	V / 1.00 / 137	-60.84	-47.84

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 6 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 1977.5 MHz:						
2.982 GHz	60.65 Pk	4.74 / 30.0 / 48.19 / 0.0	47.2	V / 1.00 / 137	-60.71	-47.71
1.846 GHz	58.95 Pk	3.83 / 27.3 / 49.79 / 0.0	40.28	V / 1.00 / 137	-67.63	-54.63
1.775 GHz	54.05 Pk	3.74 / 26.96 / 49.67 / 0.0	35.08	V / 1.00 / 137	-72.83	-59.83
1.42 GHz	54.95 Pk	3.3 / 25.53 / 49.65 / 0.0	34.13	V / 1.00 / 137	-73.78	-60.78
1.349 GHz	69.8 Pk	3.18 / 25.44 / 49.37 / 0.0	49.04	V / 1.00 / 137	-58.87	-45.87
1.207 GHz	70.35 Pk	3.01 / 25.25 / 49.62 / 0.0	48.99	V / 1.00 / 137	-58.92	-45.92
1.136 GHz	63.25 Pk	2.93 / 25.15 / 49.55 / 0.0	41.78	V / 1.00 / 137	-66.13	-53.13
1.977 GHz	81.9 Pk	3.9 / 27.93 / 49.69 / 0.0	64.04	V / 1.00 / 137	-43.87	-30.87
4.26 GHz	46.8 Pk	6.1 / 32.33 / 46.03 / 0.0	39.2	H / 1.00 / 137	-68.71	-55.71
1.846 GHz	60.6 Pk	3.83 / 27.3 / 49.79 / 0.0	41.93	H / 1.00 / 137	-65.98	-52.98
1.775 GHz	50.95 Pk	3.74 / 26.96 / 49.67 / 0.0	31.98	H / 1.00 / 137	-75.93	-62.93
1.42 GHz	55.35 Pk	3.3 / 25.53 / 49.65 / 0.0	34.53	H / 1.00 / 137	-73.38	-60.38
1.349 GHz	60.65 Pk	3.18 / 25.44 / 49.37 / 0.0	39.89	H / 1.00 / 137	-68.02	-55.02
TRX setting = 1965 MHz						
1.965 GHz	81.2 Pk	3.9 / 27.87 / 49.74 / 0.0	63.23	V / 1.00 / 137	-44.68	-31.68
1.136 GHz	63.0 Pk	2.93 / 25.15 / 49.55 / 0.0	41.53	V / 1.00 / 137	-66.38	-53.38
1.207 GHz	70.1 Pk	3.01 / 25.25 / 49.62 / 0.0	48.74	V / 1.00 / 137	-59.17	-46.17
1.349 GHz	70.0 Pk	3.18 / 25.44 / 49.37 / 0.0	49.24	V / 1.00 / 137	-58.67	-45.67
1.42 GHz	54.2 Pk	3.3 / 25.53 / 49.65 / 0.0	33.38	V / 1.00 / 137	-74.53	-61.53
1.562 GHz	63.75 Pk	3.49 / 25.94 / 49.62 / 0.0	43.56	V / 1.00 / 137	-64.35	-51.35
1.775 GHz	53.75 Pk	3.74 / 26.96 / 49.67 / 0.0	34.78	V / 1.00 / 137	-73.13	-60.13
1.846 GHz	58.65 Pk	3.83 / 27.3 / 49.79 / 0.0	39.98	V / 1.00 / 137	-67.93	-54.93
8.236 GHz	48.25 Pk	8.8 / 36.97 / 45.6 / 0.0	48.42	V / 1.00 / 137	-59.49	-46.49
1.846 GHz	60.65 Pk	3.83 / 27.3 / 49.79 / 0.0	41.98	H / 1.00 / 137	-65.93	-52.93

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 7 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.775 GHz	51.3 Pk	3.74 / 26.96 / 49.67 / 0.0	32.33	H / 1.00 / 137	-75.58	-62.58
1.42 GHz	54.6 Pk	3.3 / 25.53 / 49.65 / 0.0	33.78	H / 1.00 / 137	-74.13	-61.13
1.349 GHz	60.75 Pk	3.18 / 25.44 / 49.37 / 0.0	39.99	H / 1.00 / 137	-67.92	-54.92
8.235 GHz maxed:						
8.236 GHz	52.7 Pk	8.8 / 36.97 / 45.6 / 0.0	52.87	V / 1.60 / 122	-55.04	-42.04
2.414 GHz	59.75 Pk	4.31 / 28.58 / 49.36 / 0.0	43.28	V / 1.60 / 122	-64.63	-51.63
2.343 GHz	48.7 Pk	4.24 / 28.48 / 49.14 / 0.0	32.29	V / 1.60 / 122	-75.62	-62.62
2.201 GHz	50.65 Pk	4.06 / 28.3 / 49.42 / 0.0	33.6	V / 1.60 / 122	-74.31	-61.31
2.13 GHz	57.85 Pk	3.97 / 28.2 / 49.41 / 0.0	40.62	V / 1.60 / 122	-67.29	-54.29
1.846 GHz	66.85 Pk	3.83 / 27.3 / 49.79 / 0.0	48.18	V / 1.60 / 122	-59.73	-46.73
1.775 GHz	53.4 Pk	3.74 / 26.96 / 49.67 / 0.0	34.43	V / 1.60 / 122	-73.48	-60.48
1.704 GHz	57.15 Pk	3.62 / 26.62 / 49.76 / 0.0	37.63	V / 1.60 / 122	-70.28	-57.28
1.562 GHz	71.15 Pk	3.49 / 25.94 / 49.62 / 0.0	50.96	V / 1.60 / 122	-56.95	-43.95
1.491 GHz	59.9 Pk	3.42 / 25.63 / 49.8 / 0.0	39.15	V / 1.60 / 122	-68.76	-55.76
1.42 GHz	57.8 Pk	3.3 / 25.53 / 49.65 / 0.0	36.98	V / 1.60 / 122	-70.93	-57.93
1.349 GHz	67.8 Pk	3.18 / 25.44 / 49.37 / 0.0	47.04	V / 1.60 / 122	-60.87	-47.87
1.278 GHz	67.0 Pk	3.1 / 25.34 / 49.25 / 0.0	46.19	V / 1.60 / 122	-61.72	-48.72
1.207 GHz	71.0 Pk	3.01 / 25.25 / 49.62 / 0.0	49.64	V / 1.60 / 122	-58.27	-45.27
1.136 GHz	62.3 Pk	2.93 / 25.15 / 49.55 / 0.0	40.83	V / 1.60 / 122	-67.08	-54.08
1.562 GHz maxed:						
1.562 GHz	72.7 Pk	3.49 / 25.94 / 49.62 / 0.0	52.51	V / 2.12 / 119	-55.4	-42.4
1.065 GHz	67.7 Pk	2.83 / 25.06 / 49.22 / 0.0	46.37	V / 2.12 / 119	-61.54	-48.54
1.349 GHz	67.15 Pk	3.18 / 25.44 / 49.37 / 0.0	46.39	V / 2.12 / 119	-61.52	-48.52
1.42 GHz	59.05 Pk	3.3 / 25.53 / 49.65 / 0.0	38.23	V / 2.12 / 119	-69.68	-56.68
1.562 GHz	72.15 Pk	3.49 / 25.94 / 49.62 / 0.0	51.96	V / 2.12 / 119	-55.95	-42.95

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat

Page: 8 of 9

List of measurements for run #: 4

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.633 GHz	59.3 Pk	3.55 / 26.28 / 49.58 / 0.0	39.54	V / 2.12 / 119	-68.37	-55.37
1.704 GHz	56.4 Pk	3.62 / 26.62 / 49.76 / 0.0	36.88	V / 2.12 / 119	-71.03	-58.03
1.775 GHz	56.3 Pk	3.74 / 26.96 / 49.67 / 0.0	37.33	V / 2.12 / 119	-70.58	-57.58
1.846 GHz	69.45 Pk	3.83 / 27.3 / 49.79 / 0.0	50.78	V / 2.12 / 119	-57.13	-44.13
1.917 GHz	56.3 Pk	3.88 / 27.64 / 49.91 / 0.0	37.91	V / 2.12 / 119	-70	-57
1.988 GHz	57.65 Pk	3.9 / 27.98 / 49.65 / 0.0	39.87	V / 2.12 / 119	-68.04	-55.04
2.272 GHz	51.65 Pk	4.15 / 28.39 / 49.07 / 0.0	35.12	V / 2.12 / 119	-72.79	-59.79

No further significant EUT emissions detected 30 MHz to 20 GHz, vert and hor ant.

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 4 Test Area: LTS

EUT Model #: SCS1900 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 24 Air Pressure: 99.0 kPa

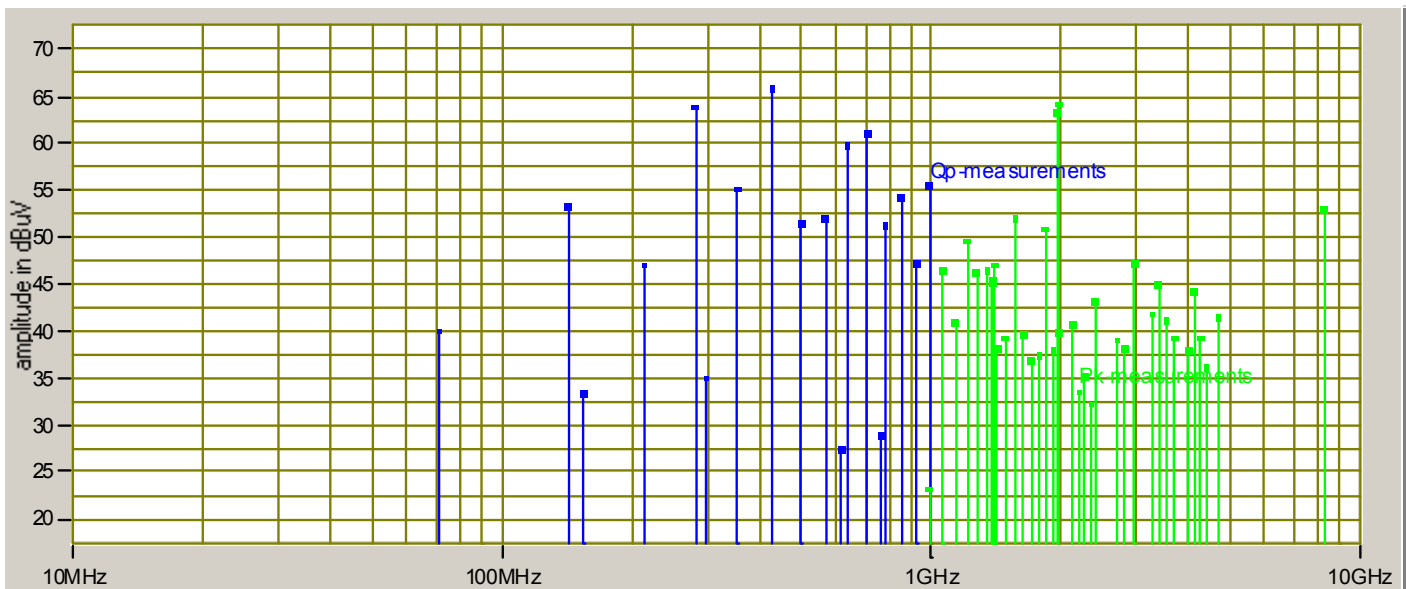
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution 1900 MHz PCS

Notes: EFC Band

Data File Name: 5743.dat Page: 9 of 9

Graph:



Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 5 Test Area: LTS

EUT Model #: SCS800 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: A Band

Data File Name: 5743.dat

Page: 1 of 6

List of measurements for run #: 5

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 869 MHz.						
1.011 GHz	50.8 Pk	2.76 / 24.99 / 48.81 / 0.0	29.73	V / 1.00 / 119	-78.18	-65.18
1.018 GHz	65.95 Pk	2.77 / 25.0 / 48.87 / 0.0	44.85	V / 1.00 / 119	-63.06	-50.06
1.038 GHz	71.5 Pk	2.8 / 25.02 / 49.02 / 0.0	50.3	V / 1.00 / 119	-57.61	-44.61
1.065 GHz	71.5 Pk	2.83 / 25.06 / 49.22 / 0.0	50.17	V / 1.00 / 119	-57.74	-44.74
1.136 GHz	65.65 Pk	2.93 / 25.15 / 49.55 / 0.0	44.18	V / 1.00 / 119	-63.73	-50.73
1.207 GHz	67.9 Pk	3.01 / 25.25 / 49.62 / 0.0	46.54	V / 1.00 / 119	-61.37	-48.37
1.273 GHz	66.85 Pk	3.09 / 25.34 / 49.28 / 0.0	46.0	V / 1.00 / 119	-61.91	-48.91
1.278 GHz	64.85 Pk	3.1 / 25.34 / 49.25 / 0.0	44.04	V / 1.00 / 119	-63.87	-50.87
1.349 GHz	69.55 Pk	3.18 / 25.44 / 49.37 / 0.0	48.79	V / 1.00 / 119	-59.12	-46.12
1.39 GHz	70.4 Pk	3.24 / 25.49 / 49.56 / 0.0	49.57	V / 1.00 / 119	-58.34	-45.34
1.412 GHz	73.85 Pk	3.28 / 25.52 / 49.64 / 0.0	53.02	V / 1.00 / 119	-54.89	-41.89
1.42 GHz	59.2 Pk	3.3 / 25.53 / 49.65 / 0.0	38.38	V / 1.00 / 119	-69.53	-56.53
1.491 GHz	67.85 Pk	3.42 / 25.63 / 49.8 / 0.0	47.1	V / 1.00 / 119	-60.81	-47.81
1.562 GHz	64.25 Pk	3.49 / 25.94 / 49.62 / 0.0	44.06	V / 1.00 / 119	-63.85	-50.85
1.633 GHz	54.55 Pk	3.55 / 26.28 / 49.58 / 0.0	34.79	V / 1.00 / 119	-73.12	-60.12
1.704 GHz	61.4 Pk	3.62 / 26.62 / 49.76 / 0.0	41.88	V / 1.00 / 119	-66.03	-53.03
1.775 GHz	58.4 Pk	3.74 / 26.96 / 49.67 / 0.0	39.43	V / 1.00 / 119	-68.48	-55.48
1.846 GHz	68.55 Pk	3.83 / 27.3 / 49.79 / 0.0	49.88	V / 1.00 / 119	-58.03	-45.03
1.917 GHz	54.35 Pk	3.88 / 27.64 / 49.91 / 0.0	35.96	V / 1.00 / 119	-71.95	-58.95
1.988 GHz	58.25 Pk	3.9 / 27.98 / 49.65 / 0.0	40.47	V / 1.00 / 119	-67.44	-54.44
2.13 GHz	58.5 Pk	3.97 / 28.2 / 49.41 / 0.0	41.27	V / 1.00 / 119	-66.64	-53.64
2.201 GHz	50.4 Pk	4.06 / 28.3 / 49.42 / 0.0	33.35	V / 1.00 / 119	-74.56	-61.56
2.414 GHz	56.45 Pk	4.31 / 28.58 / 49.36 / 0.0	39.98	V / 1.00 / 119	-67.93	-54.93
2.698 GHz	56.15 Pk	4.48 / 29.23 / 48.26 / 0.0	41.6	V / 1.00 / 119	-66.31	-53.31
2.84 GHz	52.7 Pk	4.6 / 29.61 / 48.37 / 0.0	38.54	V / 1.00 / 119	-69.37	-56.37

Tested by: Michael Schultz

Printed

Michael Schultz

Signature

Reviewed by: Joel T Schneider

Printed

Joel T. Schneider

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 5 Test Area: LTS

EUT Model #: SCS800 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: A Band

Data File Name: 5743.dat

Page: 2 of 6

List of measurements for run #: 5

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
2.982 GHz	55.0 Pk	4.74 / 30.0 / 48.19 / 0.0	41.55	V / 1.00 / 119	-66.36	-53.36
3.266 GHz	51.2 Pk	5.0 / 30.61 / 47.55 / 0.0	39.26	V / 1.00 / 119	-68.65	-55.65
3.408 GHz	47.6 Pk	5.15 / 30.92 / 47.3 / 0.0	36.37	V / 1.00 / 119	-71.54	-58.54
3.55 GHz	43.7 Pk	5.38 / 31.24 / 47.16 / 0.0	33.16	V / 1.00 / 119	-74.75	-61.75
3.692 GHz	43.75 Pk	5.56 / 31.6 / 46.95 / 0.0	33.95	V / 1.00 / 119	-73.96	-60.96
3.976 GHz	43.7 Pk	5.84 / 32.33 / 46.09 / 0.0	35.78	V / 1.00 / 119	-72.13	-59.13
4.118 GHz	51.8 Pk	6.04 / 32.36 / 45.8 / 0.0	44.4	V / 1.00 / 119	-63.51	-50.51
4.26 GHz	44.6 Pk	6.1 / 32.33 / 46.03 / 0.0	37.0	V / 1.00 / 119	-70.91	-57.91
4.402 GHz	42.4 Pk	6.1 / 32.31 / 45.82 / 0.0	34.98	V / 1.00 / 119	-72.93	-59.93
4.686 GHz	40.3 Pk	6.24 / 32.66 / 45.39 / 0.0	33.81	V / 1.00 / 119	-74.1	-61.1
8.236 GHz	49.25 Pk	8.8 / 36.97 / 45.6 / 0.0	49.42	V / 1.00 / 119	-58.49	-45.49
1.273 GHz	69.75 Pk	3.09 / 25.34 / 49.28 / 0.0	48.9	H / 1.00 / 119	-59.01	-46.01
1.562 GHz	66.5 Pk	3.49 / 25.94 / 49.62 / 0.0	46.31	H / 1.00 / 119	-61.6	-48.6
1.633 GHz	61.45 Pk	3.55 / 26.28 / 49.58 / 0.0	41.69	H / 1.00 / 119	-66.22	-53.22
2.201 GHz	53.4 Pk	4.06 / 28.3 / 49.42 / 0.0	36.35	H / 1.00 / 119	-71.56	-58.56
1.412 GHz maxed:						
1.412 GHz	74.65 Pk	3.28 / 25.52 / 49.64 / 0.0	53.82	V / 1.43 / 143	-54.09	-41.09
1.207 GHz	71.5 Pk	3.01 / 25.25 / 49.62 / 0.0	50.14	V / 1.43 / 143	-57.77	-44.77
1.349 GHz	71.65 Pk	3.18 / 25.44 / 49.37 / 0.0	50.89	V / 1.43 / 143	-57.02	-44.02
1.562 GHz	74.75 Pk	3.49 / 25.94 / 49.62 / 0.0	54.56	V / 1.43 / 143	-53.35	-40.35
1.775 GHz	61.95 Pk	3.74 / 26.96 / 49.67 / 0.0	42.98	V / 1.43 / 143	-64.93	-51.93
2.13 GHz	60.35 Pk	3.97 / 28.2 / 49.41 / 0.0	43.12	V / 1.43 / 143	-64.79	-51.79
TRX setting = 880 MHz:						
1.412 GHz	73.5 Pk	3.28 / 25.52 / 49.64 / 0.0	52.67	V / 1.43 / 143	-55.24	-42.24

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 5 Test Area: LTS

EUT Model #: SCS800 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: A Band

Data File Name: 5743.dat

Page: 3 of 6

List of measurements for run #: 5

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.562 GHz	74.8 Pk	3.49 / 25.94 / 49.62 / 0.0	54.61	V / 1.43 / 143	-53.3	-40.3
1.065 GHz	70.15 Pk	2.83 / 25.06 / 49.22 / 0.0	48.82	H / 1.43 / 143	-59.09	-46.09
1.917 GHz	60.6 Pk	3.88 / 27.64 / 49.91 / 0.0	42.21	H / 1.43 / 143	-65.7	-52.7
2.13 GHz	62.15 Pk	3.97 / 28.2 / 49.41 / 0.0	44.92	H / 1.43 / 143	-62.99	-49.99
2.414 GHz	57.85 Pk	4.31 / 28.58 / 49.36 / 0.0	41.38	H / 1.43 / 143	-66.53	-53.53
8.236 GHz	51.15 Pk	8.8 / 36.97 / 45.6 / 0.0	51.32	H / 1.43 / 143	-56.59	-43.59
TRX setting = 891.5 MHz.						
1.412 GHz	74.8 Pk	3.28 / 25.52 / 49.64 / 0.0	53.97	V / 1.43 / 143	-53.94	-40.94
1.562 GHz	74.6 Pk	3.49 / 25.94 / 49.62 / 0.0	54.41	V / 1.43 / 143	-53.5	-40.5
1.207 GHz	71.6 Pk	3.01 / 25.25 / 49.62 / 0.0	50.24	V / 1.43 / 143	-57.67	-44.67
1.278 GHz	65.85 Pk	3.1 / 25.34 / 49.25 / 0.0	45.04	V / 1.43 / 143	-62.87	-49.87
1.491 GHz	67.7 Pk	3.42 / 25.63 / 49.8 / 0.0	46.95	V / 1.43 / 143	-60.96	-47.96
4.686 GHz	45.2 Pk	6.24 / 32.66 / 45.39 / 0.0	38.71	V / 1.43 / 143	-69.2	-56.2
8.236 GHz	51.45 Pk	8.8 / 36.97 / 45.6 / 0.0	51.62	H / 1.43 / 143	-56.29	-43.29
2.13 GHz	62.85 Pk	3.97 / 28.2 / 49.41 / 0.0	45.62	H / 1.43 / 143	-62.29	-49.29
1.065 GHz	70.05 Pk	2.83 / 25.06 / 49.22 / 0.0	48.72	H / 1.43 / 143	-59.19	-46.19
891.5 MHz maxed:						
891.5 MHz	62.15 Qp	2.58 / 22.03 / 27.64 / 0.0	59.11	V / 1.28 / 163	-48.8	-35.8
71.108 MHz	54.85 Qp	0.7 / 8.48 / 27.0 / 0.0	37.03	V / 1.28 / 163	-70.88	-57.88
142.0 MHz	63.2 Qp	1.0 / 9.22 / 26.97 / 0.0	46.45	V / 1.28 / 163	-61.46	-48.46
284.0 MHz	67.6 Qp	1.5 / 12.56 / 27.43 / 0.0	54.23	V / 1.28 / 163	-53.68	-40.68
355.0 MHz	58.0 Qp	1.6 / 14.65 / 27.6 / 0.0	46.65	V / 1.28 / 163	-61.26	-48.26
426.0 MHz	67.2 Qp	1.71 / 16.18 / 27.9 / 0.0	57.19	V / 1.28 / 163	-50.72	-37.72
497.0 MHz	59.3 Qp	1.9 / 17.39 / 27.93 / 0.0	50.66	V / 1.28 / 163	-57.25	-44.25

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 5 Test Area: LTS

EUT Model #: SCS800 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: A Band

Data File Name: 5743.dat

Page: 4 of 6

List of measurements for run #: 5

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
568.0 MHz	61.3 Qp	2.03 / 18.42 / 28.1 / 0.0	53.65	V / 1.28 / 163	-54.26	-41.26
639.0 MHz	63.85 Qp	2.1 / 19.5 / 28.2 / 0.0	57.25	V / 1.28 / 163	-50.66	-37.66
710.0 MHz	66.1 Qp	2.3 / 20.2 / 27.95 / 0.0	60.65	V / 1.28 / 163	-47.26	-34.26
781.0 MHz	43.25 Qp	2.39 / 21.54 / 27.83 / 0.0	39.35	V / 1.28 / 163	-68.56	-55.56
852.0 MHz	46.55 Qp	2.51 / 21.9 / 27.78 / 0.0	43.19	V / 1.28 / 163	-64.72	-51.72
923.0 MHz	49.3 Qp	2.63 / 22.46 / 27.6 / 0.0	46.79	V / 1.28 / 163	-61.12	-48.12
994.0 MHz	55.45 Qp	2.73 / 22.66 / 27.57 / 0.0	53.28	V / 1.28 / 163	-54.63	-41.63
426 MHz maxed:						
426.0 MHz	72.85 Qp	1.71 / 16.18 / 27.9 / 0.0	62.84	V / 2.00 / 249	-45.07	-32.07
284.0 MHz	69.35 Qp	1.5 / 12.56 / 27.43 / 0.0	55.98	V / 2.00 / 249	-51.93	-38.93
355.0 MHz	64.4 Qp	1.6 / 14.65 / 27.6 / 0.0	53.05	V / 2.00 / 249	-54.86	-41.86
852.0 MHz	48.65 Qp	2.51 / 21.9 / 27.78 / 0.0	45.29	V / 2.00 / 249	-62.62	-49.62
710 MHz maxed:						
710.0 MHz	68.45 Qp	2.3 / 20.2 / 27.95 / 0.0	63.0	V / 1.00 / 242	-44.91	-31.91
781.0 MHz	48.1 Qp	2.39 / 21.54 / 27.83 / 0.0	44.2	V / 1.00 / 242	-63.71	-50.71
142.0 MHz	72.0 Qp	1.0 / 9.22 / 26.97 / 0.0	55.25	H / 1.00 / 242	-52.66	-39.66
213.0 MHz	48.5 Qp	1.21 / 10.53 / 27.11 / 0.0	33.13	H / 1.00 / 242	-74.78	-61.78
923.0 MHz	51.55 Qp	2.63 / 22.46 / 27.6 / 0.0	49.04	H / 1.00 / 242	-58.87	-45.87
TRx setting = 880 MHz:						
880.0 MHz	49.75 Qp	2.56 / 21.9 / 27.68 / 0.0	46.53	V / 1.00 / 242	-61.38	-48.38
710.0 MHz	67.55 Qp	2.3 / 20.2 / 27.95 / 0.0	62.1	V / 1.00 / 242	-45.81	-32.81
142.0 MHz	72.05 Qp	1.0 / 9.22 / 26.97 / 0.0	55.3	H / 1.00 / 242	-52.61	-39.61
880.0 MHz	59.5 Qp	2.56 / 21.9 / 27.68 / 0.0	56.28	H / 1.00 / 242	-51.63	-38.63
TRx setting = 869 MHz:						

Tested by: Michael Schultz

Printed

Michael Schultz

Signature

Reviewed by: Joel T Schneider

Printed

Joel T. Schneider

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 5 Test Area: LTS
EUT Model #: SCS800 Date: 12/6/2005
EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C
Test Method: FCC part 22 Air Pressure: 99.0 kPa
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: A Band

Data File Name: 5743.dat

Page: 5 of 6

List of measurements for run #: 5

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
869.0 MHz	57.85 Qp	2.54 / 21.9 / 27.72 / 0.0	54.57	H / 1.00 / 242	-53.34	-40.34
142.0 MHz	71.95 Qp	1.0 / 9.22 / 26.97 / 0.0	55.2	H / 1.00 / 242	-52.71	-39.71
710.0 MHz	67.5 Qp	2.3 / 20.2 / 27.95 / 0.0	62.05	V / 1.00 / 242	-45.86	-32.86
778.009 MHz	53.25 Qp	2.38 / 21.48 / 27.84 / 0.0	49.27	V / 1.00 / 242	-58.64	-45.64
508.962 MHz	51.95 Qp	1.9 / 17.69 / 27.97 / 0.0	43.57	V / 1.00 / 242	-64.34	-51.34

No further significant EUT emissions detected 30 MHz to 10 GHz, vert and hor ant.

Tested by: Michael Schultz

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 5 Test Area: LTS

EUT Model #: SCS800 Date: 12/6/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

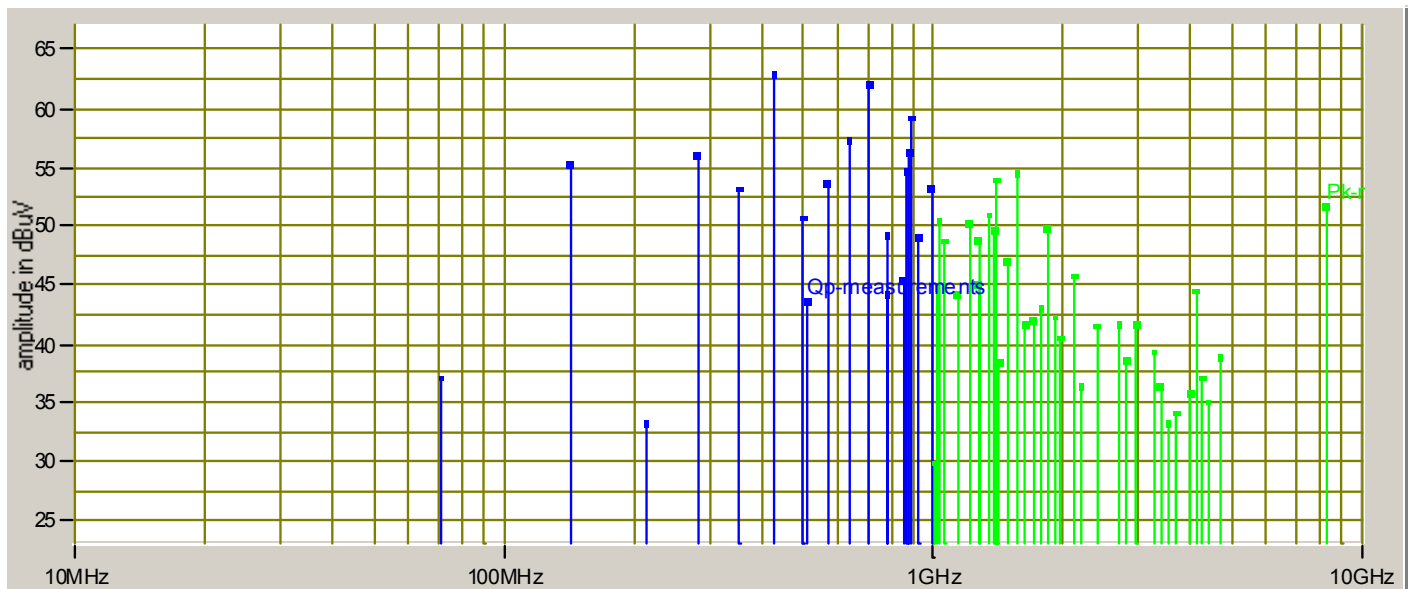
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: A Band

Data File Name: 5743.dat Page: 6 of 6

Graph:



Tested by: Michael Schultz Michael Schultz
Printed Signature

Reviewed by: Joel T Schneider Joel T. Schneider
Printed Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS

EUT Model #: SCS800 Date: 12/7/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat

Page: 1 of 7

List of measurements for run #: 6

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRx setting= 880 MHz:						
880.0 MHz	50.45 Qp	2.56 / 21.9 / 27.68 / 0.0	47.23	V / 1.00 / 242	-60.68	-47.68
71.108 MHz	41.85 Qp	0.7 / 8.48 / 27.0 / 0.0	24.03	V / 1.00 / 242	-83.88	-70.88
142.0 MHz	67.15 Qp	1.0 / 9.22 / 26.97 / 0.0	50.4	V / 1.00 / 242	-57.51	-44.51
155.942 MHz	45.5 Qp	1.0 / 8.86 / 26.96 / 0.0	28.4	V / 1.00 / 242	-79.51	-66.51
213.0 MHz	55.15 Qp	1.21 / 10.53 / 27.11 / 0.0	39.78	V / 1.00 / 242	-68.13	-55.13
284.0 MHz	62.75 Qp	1.5 / 12.56 / 27.43 / 0.0	49.38	V / 1.00 / 242	-58.53	-45.53
298.737 MHz	41.95 Qp	1.5 / 13.15 / 27.5 / 0.0	29.1	V / 1.00 / 242	-78.81	-65.81
355.0 MHz	62.75 Qp	1.6 / 14.65 / 27.6 / 0.0	51.4	V / 1.00 / 242	-56.51	-43.51
639.0 MHz	56.4 Qp	2.1 / 19.5 / 28.2 / 0.0	49.8	V / 1.00 / 242	-58.11	-45.11
710.0 MHz	66.65 Qp	2.3 / 20.2 / 27.95 / 0.0	61.2	V / 1.00 / 242	-46.71	-33.71
426.0 MHz	69.55 Qp	1.71 / 16.18 / 27.9 / 0.0	59.54	V / 1.00 / 242	-48.37	-35.37
497.0 MHz	57.6 Qp	1.9 / 17.39 / 27.93 / 0.0	48.96	V / 1.00 / 242	-58.95	-45.95
568.0 MHz	56.85 Qp	2.03 / 18.42 / 28.1 / 0.0	49.2	V / 1.00 / 242	-58.71	-45.71
767.421 MHz	46.4 Qp	2.36 / 21.37 / 27.88 / 0.0	42.26	V / 1.00 / 242	-65.65	-52.65
781.0 MHz	46.2 Qp	2.39 / 21.54 / 27.83 / 0.0	42.3	V / 1.00 / 242	-65.61	-52.61
852.0 MHz	48.85 Qp	2.51 / 21.9 / 27.78 / 0.0	45.49	V / 1.00 / 242	-62.42	-49.42
923.0 MHz	49.25 Qp	2.63 / 22.46 / 27.6 / 0.0	46.74	V / 1.00 / 242	-61.17	-48.17
994.0 MHz	43.05 Qp	2.73 / 22.66 / 27.57 / 0.0	40.88	V / 1.00 / 242	-67.03	-54.03
780.472 MHz	60.3 Qp	2.39 / 21.52 / 27.83 / 0.0	56.38	V / 1.00 / 242	-51.53	-38.53
511.532 MHz	45.45 Qp	1.9 / 17.76 / 27.98 / 0.0	37.14	V / 1.00 / 242	-70.77	-57.77
260.119 MHz	66.45 Qp	1.4 / 12.4 / 27.2 / 0.0	53.05	V / 1.00 / 242	-54.86	-41.86
142.0 MHz	77.3 Qp	1.0 / 9.22 / 26.97 / 0.0	60.55	H / 1.00 / 242	-47.36	-34.36
155.942 MHz	50.7 Qp	1.0 / 8.86 / 26.96 / 0.0	33.6	H / 1.00 / 242	-74.31	-61.31
213.0 MHz	59.0 Qp	1.21 / 10.53 / 27.11 / 0.0	43.63	H / 1.00 / 242	-64.28	-51.28
260.119 MHz	71.55 Qp	1.4 / 12.4 / 27.2 / 0.0	58.15	H / 1.00 / 242	-49.76	-36.76

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS

EUT Model #: SCS800 Date: 12/7/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat

Page: 2 of 7

List of measurements for run #: 6

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
284.0 MHz	67.4 Qp	1.5 / 12.56 / 27.43 / 0.0	54.03	H / 1.00 / 242	-53.88	-40.88
497.0 MHz	61.9 Qp	1.9 / 17.39 / 27.93 / 0.0	53.26	H / 1.00 / 242	-54.65	-41.65
511.394 MHz	44.65 Qp	1.9 / 17.76 / 27.98 / 0.0	36.33	H / 1.00 / 242	-71.58	-58.58
639.0 MHz	57.95 Qp	2.1 / 19.5 / 28.2 / 0.0	51.35	H / 1.00 / 242	-56.56	-43.56
781.0 MHz	49.9 Qp	2.39 / 21.54 / 27.83 / 0.0	46.0	H / 1.00 / 242	-61.91	-48.91
780.28 MHz	52.4 Qp	2.39 / 21.51 / 27.83 / 0.0	48.47	H / 1.00 / 242	-59.44	-46.44
880.0 MHz	56.25 Qp	2.56 / 21.9 / 27.68 / 0.0	53.03	H / 1.00 / 242	-54.88	-41.88
923.0 MHz	53.55 Qp	2.63 / 22.46 / 27.6 / 0.0	51.04	H / 1.00 / 242	-56.87	-43.87
994.0 MHz	51.3 Qp	2.73 / 22.66 / 27.57 / 0.0	49.13	H / 1.00 / 242	-58.78	-45.78
142.0 MHz	78.45 Qp	1.0 / 9.22 / 26.97 / 0.0	61.7	H / 1.00 / 212	-46.21	-33.21
426 MHz maxed:						
426.0 MHz	69.55 Qp	1.71 / 16.18 / 27.9 / 0.0	59.54	V / 1.00 / 213	-48.37	-35.37
71.108 MHz	55.25 Qp	0.7 / 8.48 / 27.0 / 0.0	37.43	V / 1.00 / 212	-70.48	-57.48
781.0 MHz	51.9 Qp	2.39 / 21.54 / 27.83 / 0.0	48.0	V / 1.00 / 212	-59.91	-46.91
852.0 MHz	51.1 Qp	2.51 / 21.9 / 27.78 / 0.0	47.74	V / 1.00 / 212	-60.17	-47.17
994.0 MHz	53.05 Qp	2.73 / 22.66 / 27.57 / 0.0	50.88	V / 1.00 / 212	-57.03	-44.03
TRX setting = 887 MHz:						
887.0 MHz	55.8 Pk	2.57 / 21.97 / 27.66 / 0.0	52.68	V / 1.00 / 212	-55.23	-42.23
497.0 MHz	62.0 Qp	1.9 / 17.39 / 27.93 / 0.0	53.36	V / 1.00 / 212	-54.55	-41.55
639.0 MHz	59.35 Qp	2.1 / 19.5 / 28.2 / 0.0	52.75	V / 1.00 / 212	-55.16	-42.16
887.0 MHz	55.4 Qp	2.57 / 21.97 / 27.66 / 0.0	52.28	V / 1.00 / 212	-55.63	-42.63
426.0 MHz	69.3 Qp	1.71 / 16.18 / 27.9 / 0.0	59.29	V / 1.00 / 212	-48.62	-35.62
142.0 MHz	77.85 Qp	1.0 / 9.22 / 26.97 / 0.0	61.1	H / 1.00 / 212	-46.81	-33.81
213.0 MHz	64.25 Qp	1.21 / 10.53 / 27.11 / 0.0	48.88	H / 1.00 / 212	-59.03	-46.03
568.0 MHz	58.65 Qp	2.03 / 18.42 / 28.1 / 0.0	51.0	H / 1.00 / 212	-56.91	-43.91

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS

EUT Model #: SCS800 Date: 12/7/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat

Page: 3 of 7

List of measurements for run #: 6

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
781.0 MHz	53.2 Qp	2.39 / 21.54 / 27.83 / 0.0	49.3	H / 1.00 / 212	-58.61	-45.61
923.0 MHz	53.3 Qp	2.63 / 22.46 / 27.6 / 0.0	50.79	H / 1.00 / 212	-57.12	-44.12
994.0 MHz	56.0 Qp	2.73 / 22.66 / 27.57 / 0.0	53.83	H / 1.00 / 212	-54.08	-41.08
TRX setting = 894 MHz						
894.0 MHz	56.7 Qp	2.58 / 22.08 / 27.64 / 0.0	53.73	H / 1.00 / 212	-54.18	-41.18
142.0 MHz	78.0 Qp	1.0 / 9.22 / 26.97 / 0.0	61.25	H / 1.00 / 212	-46.66	-33.66
993.988 MHz	56.4 Qp	2.73 / 22.66 / 27.57 / 0.0	54.23	H / 1.00 / 212	-53.68	-40.68
497.0 MHz	61.7 Qp	1.9 / 17.39 / 27.93 / 0.0	53.06	V / 1.00 / 212	-54.85	-41.85
142.0 MHz	73.85 Qp	1.0 / 9.22 / 26.97 / 0.0	57.1	V / 1.00 / 212	-50.81	-37.81
426.0 MHz	70.0 Qp	1.71 / 16.18 / 27.9 / 0.0	59.99	V / 1.00 / 212	-47.92	-34.92
894.0 MHz	57.85 Qp	2.58 / 22.08 / 27.64 / 0.0	54.88	V / 1.00 / 212	-53.03	-40.03
1.065 GHz	64.2 Pk	2.83 / 25.06 / 49.22 / 0.0	42.87	V / 1.00 / 212	-65.04	-52.04
1.136 GHz	61.2 Pk	2.93 / 25.15 / 49.55 / 0.0	39.73	V / 1.00 / 212	-68.18	-55.18
1.207 GHz	70.4 Pk	3.01 / 25.25 / 49.62 / 0.0	49.04	V / 1.00 / 212	-58.87	-45.87
1.278 GHz	62.05 Pk	3.1 / 25.34 / 49.25 / 0.0	41.24	V / 1.00 / 212	-66.67	-53.67
1.349 GHz	62.25 Pk	3.18 / 25.44 / 49.37 / 0.0	41.49	V / 1.00 / 212	-66.42	-53.42
1.42 GHz	54.9 Pk	3.3 / 25.53 / 49.65 / 0.0	34.08	V / 1.00 / 212	-73.83	-60.83
1.491 GHz	67.9 Pk	3.42 / 25.63 / 49.8 / 0.0	47.15	V / 1.00 / 212	-60.76	-47.76
1.562 GHz	65.5 Pk	3.49 / 25.94 / 49.62 / 0.0	45.31	V / 1.00 / 212	-62.6	-49.6
1.633 GHz	62.35 Pk	3.55 / 26.28 / 49.58 / 0.0	42.59	V / 1.00 / 212	-65.32	-52.32
1.704 GHz	57.3 Pk	3.62 / 26.62 / 49.76 / 0.0	37.78	V / 1.00 / 212	-70.13	-57.13
1.775 GHz	56.65 Pk	3.74 / 26.96 / 49.67 / 0.0	37.68	V / 1.00 / 212	-70.23	-57.23
1.846 GHz	56.5 Pk	3.83 / 27.3 / 49.79 / 0.0	37.83	V / 1.00 / 212	-70.08	-57.08
1.917 GHz	57.8 Pk	3.88 / 27.64 / 49.91 / 0.0	39.41	V / 1.00 / 212	-68.5	-55.5
1.988 GHz	57.05 Pk	3.9 / 27.98 / 49.65 / 0.0	39.27	V / 1.00 / 212	-68.64	-55.64

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS

EUT Model #: SCS800 Date: 12/7/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat

Page: 4 of 7

List of measurements for run #: 6

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
2.13 GHz	58.85 Pk	3.97 / 28.2 / 49.41 / 0.0	41.62	V / 1.00 / 212	-66.29	-53.29
2.344 GHz	55.45 Pk	4.24 / 28.49 / 49.15 / 0.0	39.03	V / 1.00 / 212	-68.88	-55.88
2.414 GHz	55.8 Pk	4.31 / 28.58 / 49.36 / 0.0	39.33	V / 1.00 / 212	-68.58	-55.58
2.698 GHz	54.4 Pk	4.48 / 29.23 / 48.26 / 0.0	39.85	V / 1.00 / 212	-68.06	-55.06
2.911 GHz	50.1 Pk	4.67 / 29.81 / 48.48 / 0.0	36.1	V / 1.00 / 212	-71.81	-58.81
2.982 GHz	51.0 Pk	4.74 / 30.0 / 48.19 / 0.0	37.55	V / 1.00 / 212	-70.36	-57.36
3.266 GHz	51.55 Pk	5.0 / 30.61 / 47.55 / 0.0	39.61	V / 1.00 / 212	-68.3	-55.3
3.408 GHz	49.35 Pk	5.15 / 30.92 / 47.3 / 0.0	38.12	V / 1.00 / 212	-69.79	-56.79
3.55 GHz	45.3 Pk	5.38 / 31.24 / 47.16 / 0.0	34.76	V / 1.00 / 212	-73.15	-60.15
3.692 GHz	46.7 Pk	5.56 / 31.6 / 46.95 / 0.0	36.9	V / 1.00 / 212	-71.01	-58.01
3.976 GHz	44.6 Pk	5.84 / 32.33 / 46.09 / 0.0	36.68	V / 1.00 / 212	-71.23	-58.23
4.118 GHz	57.0 Pk	6.04 / 32.36 / 45.8 / 0.0	49.6	V / 1.00 / 212	-58.31	-45.31
4.26 GHz	46.3 Pk	6.1 / 32.33 / 46.03 / 0.0	38.7	V / 1.00 / 212	-69.21	-56.21
4.402 GHz	49.1 Pk	6.1 / 32.31 / 45.82 / 0.0	41.68	V / 1.00 / 212	-66.23	-53.23
8.236 GHz	44.85 Pk	8.8 / 36.97 / 45.6 / 0.0	45.02	V / 1.00 / 212	-62.89	-49.89
8.236 GHz	48.65 Pk	8.8 / 36.97 / 45.6 / 0.0	48.82	H / 1.00 / 212	-59.09	-46.09
1.136 GHz	65.55 Pk	2.93 / 25.15 / 49.55 / 0.0	44.08	H / 1.00 / 212	-63.83	-50.83
1.278 GHz	68.7 Pk	3.1 / 25.34 / 49.25 / 0.0	47.89	H / 1.00 / 212	-60.02	-47.02
1.846 GHz	64.1 Pk	3.83 / 27.3 / 49.79 / 0.0	45.43	H / 1.00 / 212	-62.48	-49.48
2.272 GHz	52.15 Pk	4.15 / 28.39 / 49.07 / 0.0	35.62	H / 1.00 / 212	-72.29	-59.29
2.343 GHz	51.35 Pk	4.24 / 28.48 / 49.14 / 0.0	34.94	H / 1.00 / 212	-72.97	-59.97
2.414 GHz	61.25 Pk	4.31 / 28.58 / 49.36 / 0.0	44.78	H / 1.00 / 212	-63.13	-50.13
2.84 GHz	53.95 Pk	4.6 / 29.61 / 48.37 / 0.0	39.79	H / 1.00 / 212	-68.12	-55.12
2.982 GHz	57.25 Pk	4.74 / 30.0 / 48.19 / 0.0	43.8	H / 1.00 / 212	-64.11	-51.11
1.821 GHz	64.45 Pk	3.81 / 27.18 / 49.71 / 0.0	45.73	H / 1.00 / 212	-62.18	-49.18

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS

EUT Model #: SCS800 Date: 12/7/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat

Page: 5 of 7

List of measurements for run #: 6

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
TRX setting = 887 MHz:						
1.42 GHz	56.5 Pk	3.3 / 25.53 / 49.65 / 0.0	35.68	H / 1.00 / 212	-72.23	-59.23
1.846 GHz	64.75 Pk	3.83 / 27.3 / 49.79 / 0.0	46.08	H / 1.00 / 212	-61.83	-48.83
1.278 GHz	68.55 Pk	3.1 / 25.34 / 49.25 / 0.0	47.74	H / 1.00 / 212	-60.17	-47.17
1.136 GHz	65.5 Pk	2.93 / 25.15 / 49.55 / 0.0	44.03	H / 1.00 / 212	-63.88	-50.88
1.491 GHz	65.3 Pk	3.42 / 25.63 / 49.8 / 0.0	44.55	H / 1.00 / 212	-63.36	-50.36
1.846 GHz	64.6 Pk	3.83 / 27.3 / 49.79 / 0.0	45.93	H / 1.00 / 212	-61.98	-48.98
2.414 GHz	61.55 Pk	4.31 / 28.58 / 49.36 / 0.0	45.08	H / 1.00 / 212	-62.83	-49.83
1.491 GHz	68.35 Pk	3.42 / 25.63 / 49.8 / 0.0	47.6	V / 1.00 / 212	-60.31	-47.31
1.562 GHz	71.4 Pk	3.49 / 25.94 / 49.62 / 0.0	51.21	V / 1.00 / 212	-56.7	-43.7
1.633 GHz	65.2 Pk	3.55 / 26.28 / 49.58 / 0.0	45.44	V / 1.00 / 212	-62.47	-49.47
4.118 GHz	56.95 Pk	6.04 / 32.36 / 45.8 / 0.0	49.55	V / 1.00 / 212	-58.36	-45.36
TRX setting = 894 MHz						
4.118 GHz	54.45 Pk	6.04 / 32.36 / 45.8 / 0.0	47.05	V / 1.00 / 212	-60.86	-47.86
1.065 GHz	63.95 Pk	2.83 / 25.06 / 49.22 / 0.0	42.62	V / 1.00 / 212	-65.29	-52.29
1.207 GHz	69.3 Pk	3.01 / 25.25 / 49.62 / 0.0	47.94	V / 1.00 / 212	-59.97	-46.97
1.491 GHz	68.3 Pk	3.42 / 25.63 / 49.8 / 0.0	47.55	V / 1.00 / 212	-60.36	-47.36
1.562 GHz	71.5 Pk	3.49 / 25.94 / 49.62 / 0.0	51.31	V / 1.00 / 212	-56.6	-43.6
1.136 GHz	65.15 Pk	2.93 / 25.15 / 49.55 / 0.0	43.68	H / 1.00 / 212	-64.23	-51.23
1.278 GHz	67.25 Pk	3.1 / 25.34 / 49.25 / 0.0	46.44	H / 1.00 / 212	-61.47	-48.47
1.491 GHz	65.35 Pk	3.42 / 25.63 / 49.8 / 0.0	44.6	H / 1.00 / 212	-63.31	-50.31
1.846 GHz	64.85 Pk	3.83 / 27.3 / 49.79 / 0.0	46.18	H / 1.00 / 212	-61.73	-48.73
2.414 GHz	61.8 Pk	4.31 / 28.58 / 49.36 / 0.0	45.33	H / 1.00 / 212	-62.58	-49.58
2.698 GHz	57.15 Pk	4.48 / 29.23 / 48.26 / 0.0	42.6	H / 1.00 / 212	-65.31	-52.31

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS
EUT Model #: SCS800 Date: 12/7/2005
EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C
Test Method: FCC part 22 Air Pressure: 99.0 kPa
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat

Page: 6 of 7

List of measurements for run #: 6

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	FINAL (dBm)	DELTA -13 dBm Limit
1.562 GHz maxed:						
1.562 GHz	74.9 Pk	3.49 / 25.94 / 49.62 / 0.0	54.71	V / 1.50 / 141	-53.2	-40.2
3.55 GHz	47.65 Pk	5.38 / 31.24 / 47.16 / 0.0	37.11	V / 1.50 / 141	-70.8	-57.8
4.26 GHz	50.4 Pk	6.1 / 32.33 / 46.03 / 0.0	42.8	V / 1.50 / 141	-65.11	-52.11
1.988 GHz	58.9 Pk	3.9 / 27.98 / 49.65 / 0.0	41.12	H / 1.50 / 141	-66.79	-53.79
1.917 GHz	62.05 Pk	3.88 / 27.64 / 49.91 / 0.0	43.66	H / 1.50 / 141	-64.25	-51.25
1.065 GHz	68.9 Pk	2.83 / 25.06 / 49.22 / 0.0	47.57	H / 1.50 / 141	-60.34	-47.34
No further significant EUT emissions detected 30 MHz to 10 GHz, vert and hor ant.						

Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

Signature

RADIATED EMISSIONS



Test Report #: WC505743 Run 6 Test Area: LTS

EUT Model #: SCS800 Date: 12/7/2005

EUT Serial #: n/a EUT Power: 60 Hz / 120 VAC Temperature: 22.0 °C

Test Method: FCC part 22 Air Pressure: 99.0 kPa

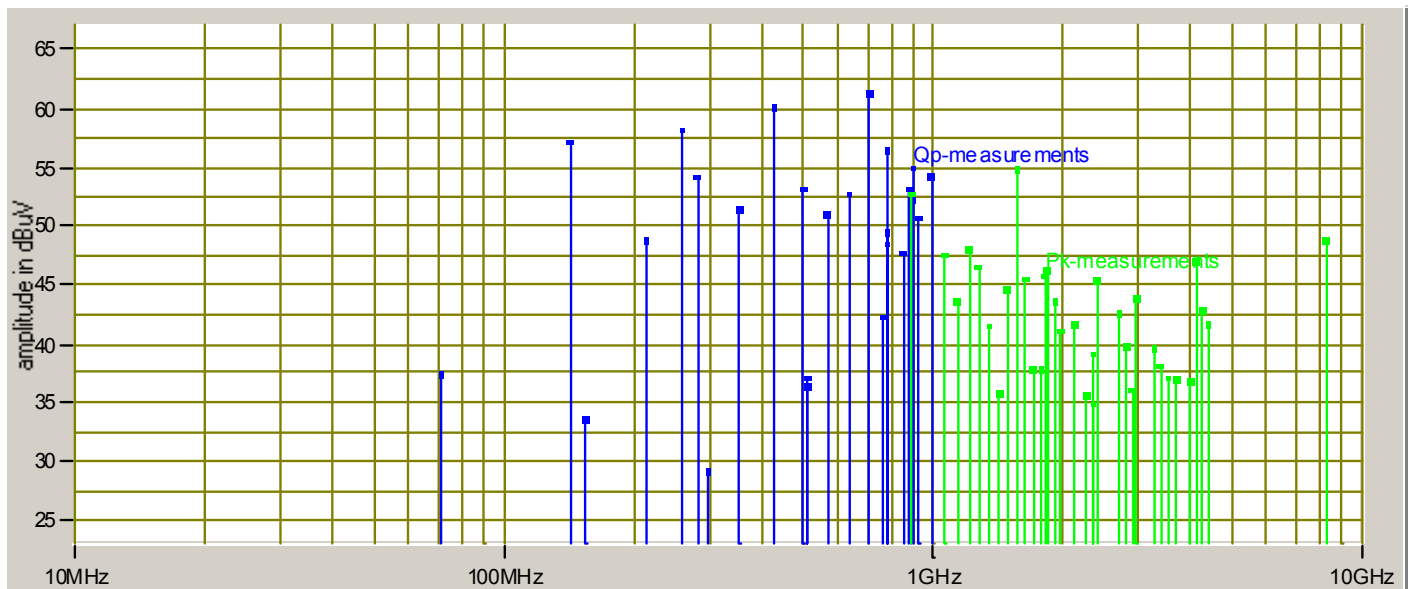
Customer: ADC Telecommunications Rel. Humidity: 20.0 %

EUT Description: Digivance Street Coverage Solution SMR 800 MHz Cellular

Notes: B Band

Data File Name: 5743.dat Page: 7 of 7

Graph:



Tested by: J. C. Sausen

Printed

Signature

Reviewed by: Joel T Schneider

Printed

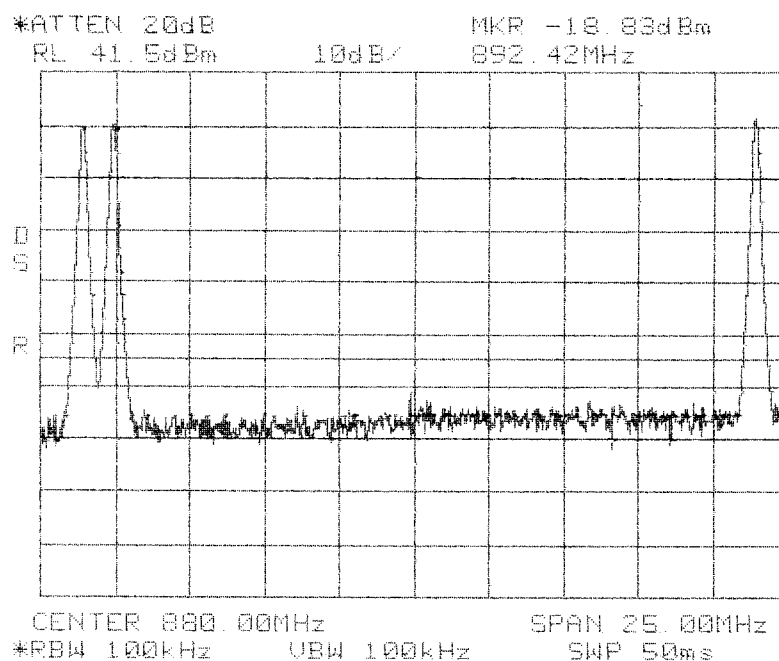
Signature

Inter-Modulation Test for ADC Inc
Digivance â Street Coverage Solution
Model Number DGVC-1X1X4X1X200SYS

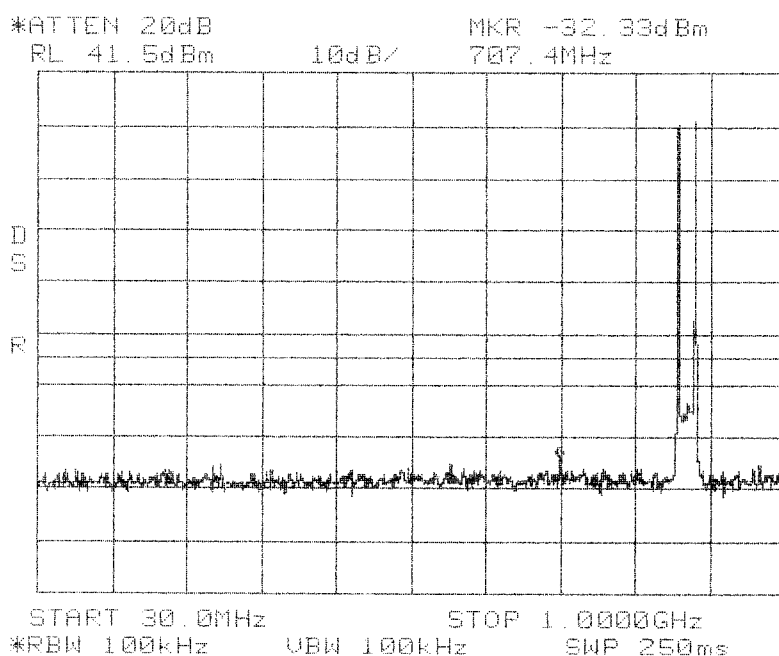
The inter-modulation products test was performed for the EUT. Two tests were performed with the modulation type. Test 1 was with 2 signals input to the EUT at lower end channels, and 1 signal at the upper end. Test 2 was with 2 signals input to the EUT at upper end channels and 1 signal at the lower end. The modulation types tested were CW, FM, TDMA, GSM, and CDMA. An investigation was made from 30 MHz to the 10th Harmonic of the highest fundamental frequency (~10 GHz). The following plots show the results.

Results:
(See Plots)

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



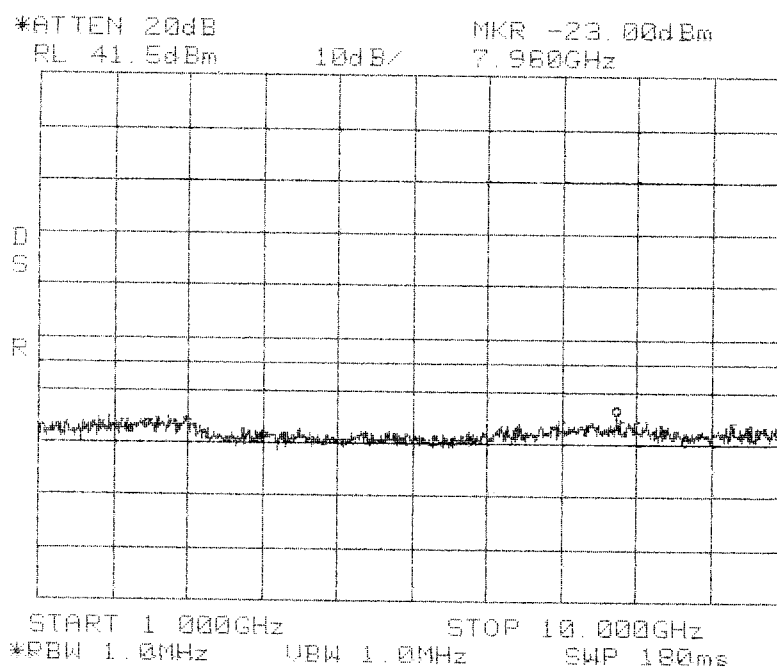
**Intermodulation
Close
Lower
FM
Cellular 800 MHz
A Band**



**Intermodulation
Close
Lower
FM
Cellular 800 MHz
A Band**

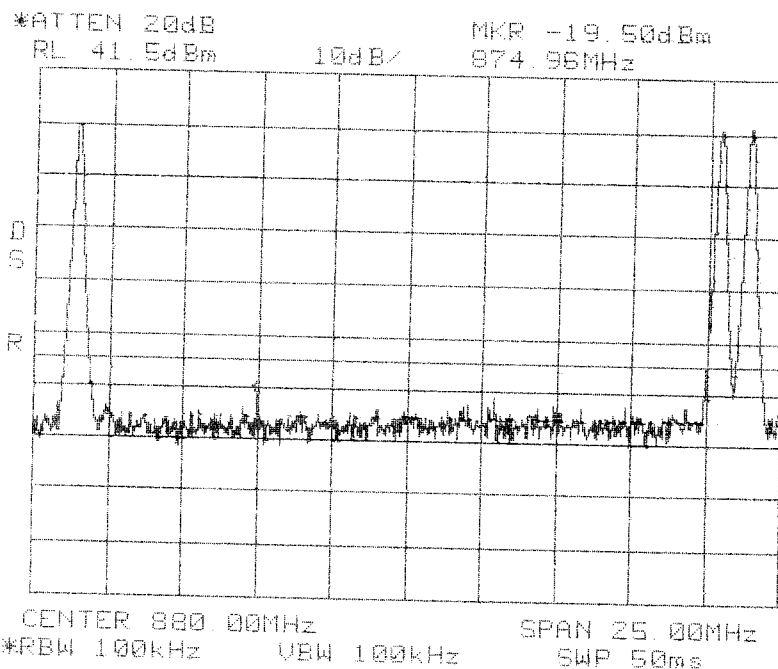
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

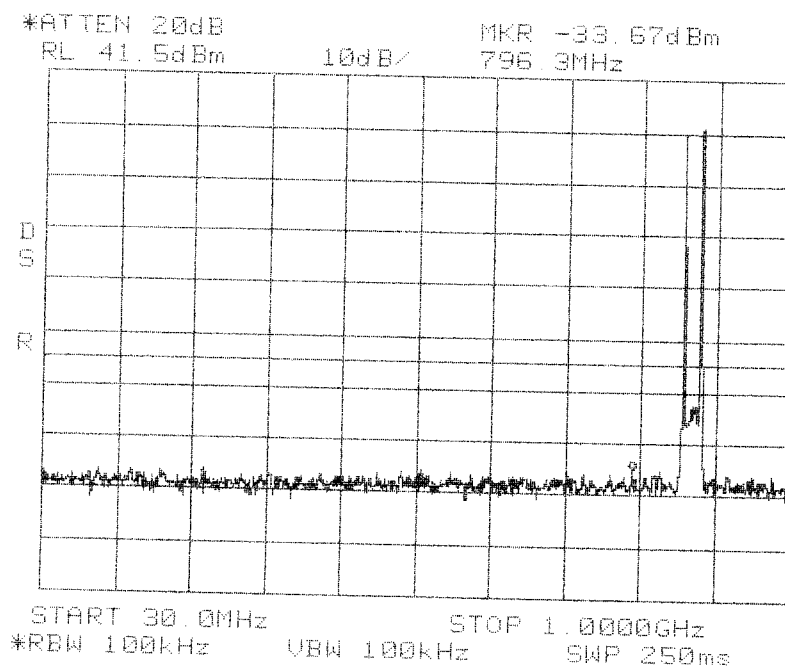


**Intermodulation
Close
Lower
FM
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



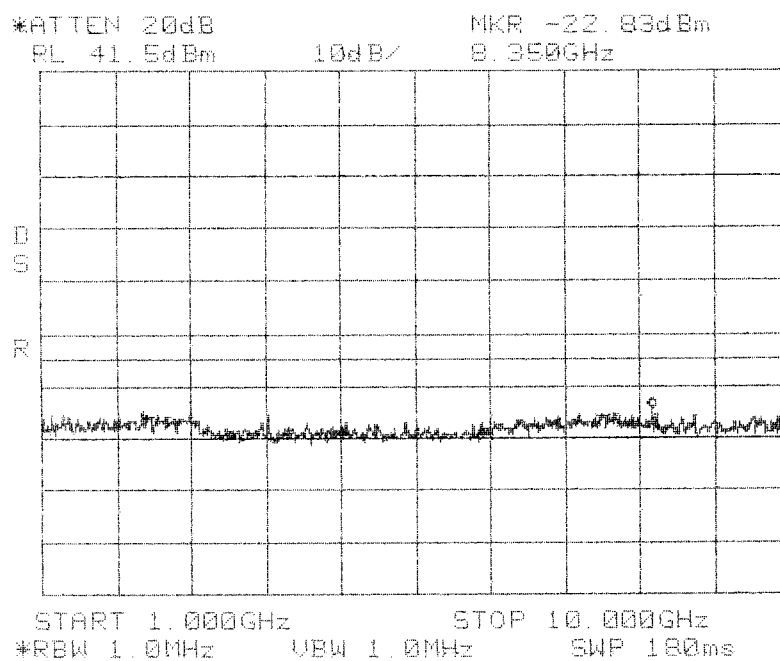
**Intermodulation
Close
Upper
FM
Cellular 800 MHz
A Band**



**Intermodulation
Close
Upper
FM
Cellular 800 MHz
A Band**

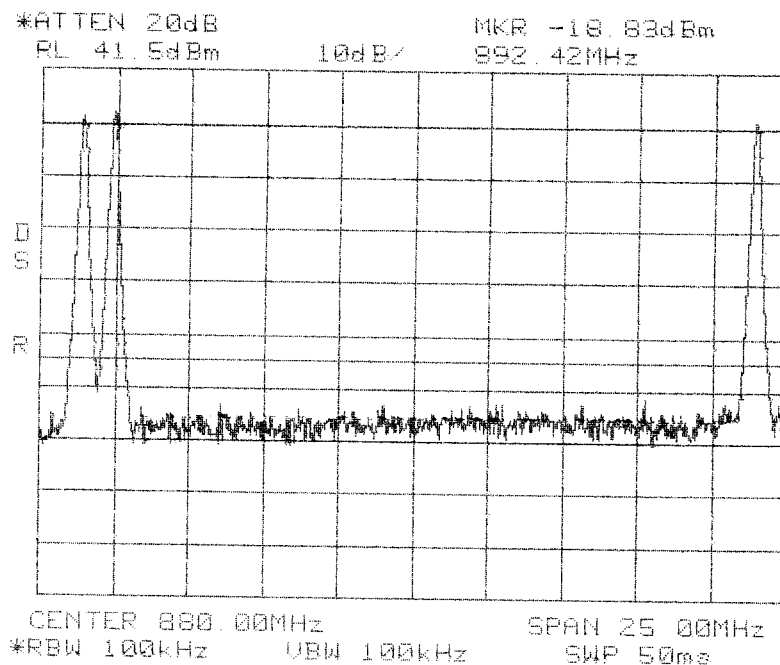
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

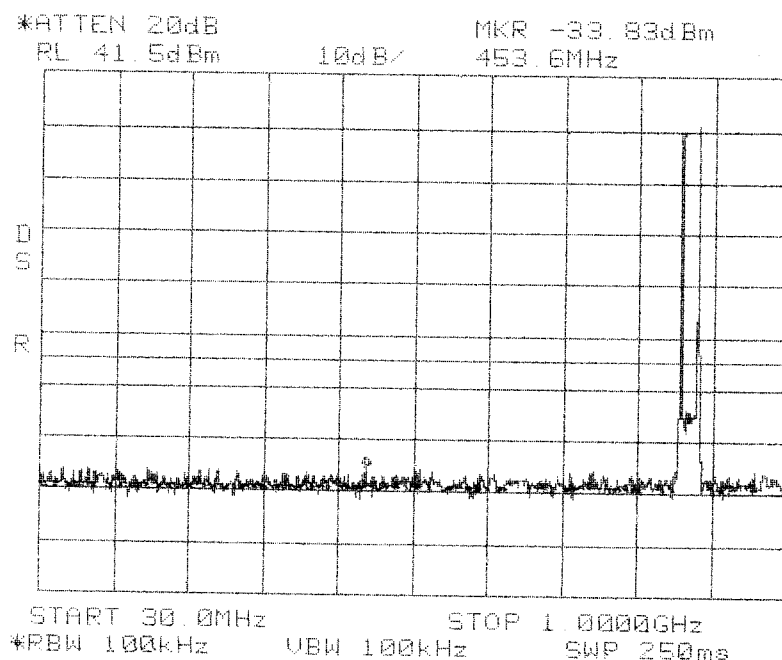


**Intermodulation
Close
Upper
FM
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



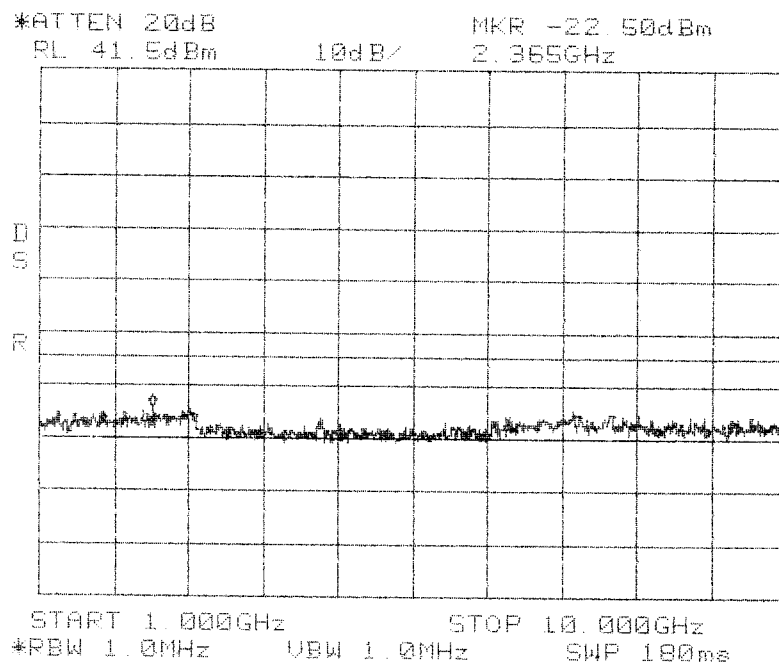
**Intermodulation
Close
Lower
TDMA
Cellular 800 MHz
A Band**



**Intermodulation
Close
Lower
TDMA
Cellular 800 MHz
A Band**

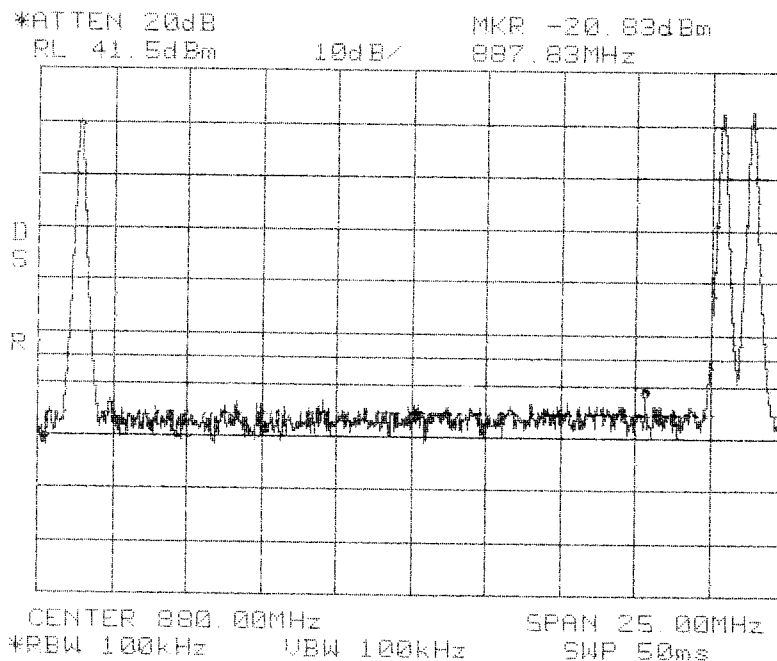
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

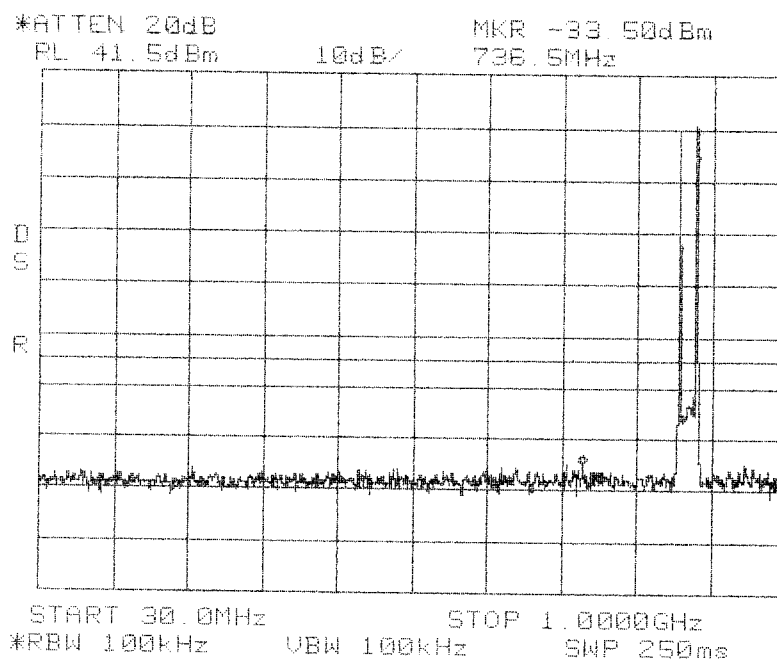


**Intermodulation
Close
Lower
TDMA
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



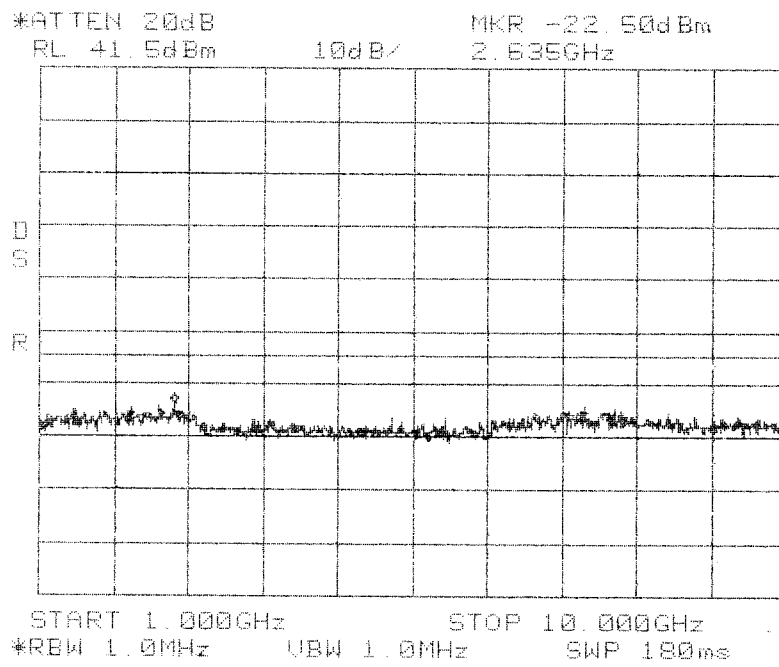
**Intermodulation
Close
Upper
TDMA
Cellular 800 MHz
A Band**



**Intermodulation
Close
Upper
TDMA
Cellular 800 MHz
A Band**

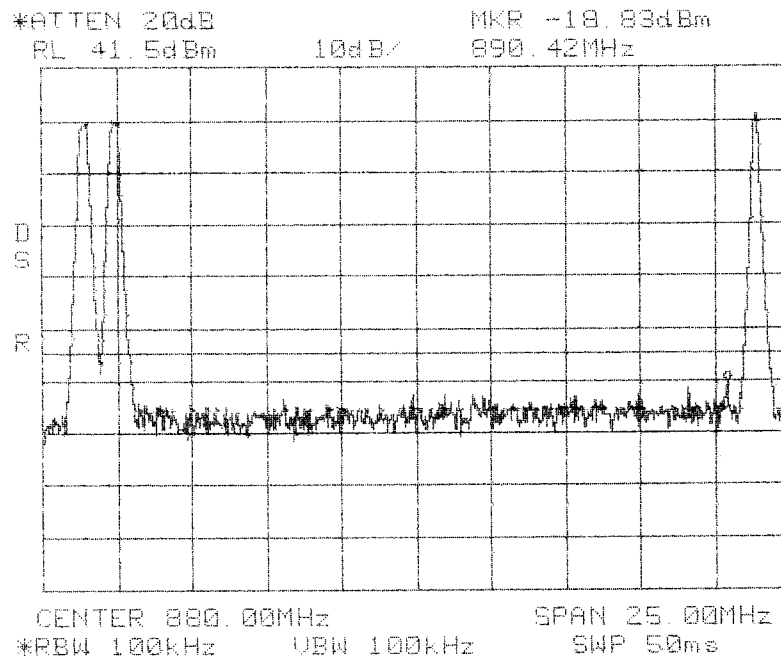
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

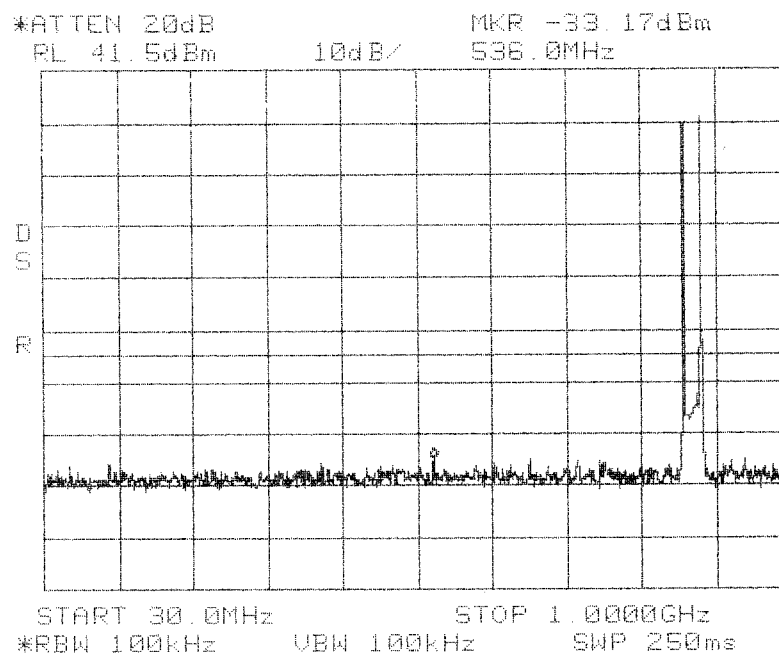


**Intermodulation
Close
Upper
TDMA
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



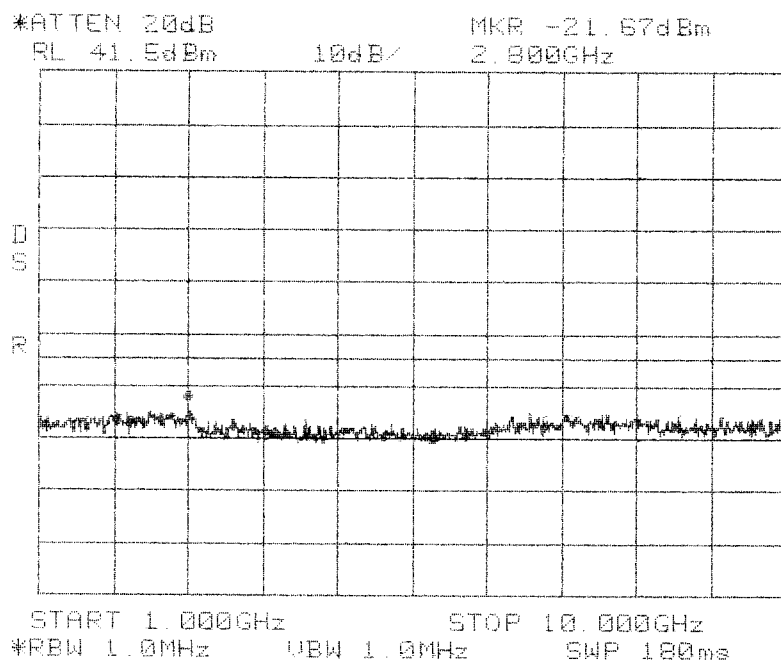
**Intermodulation
Close
Lower
GSM
Cellular 800 MHz
A Band**



**Intermodulation
Close
Lower
GSM
Cellular 800 MHz
A Band**

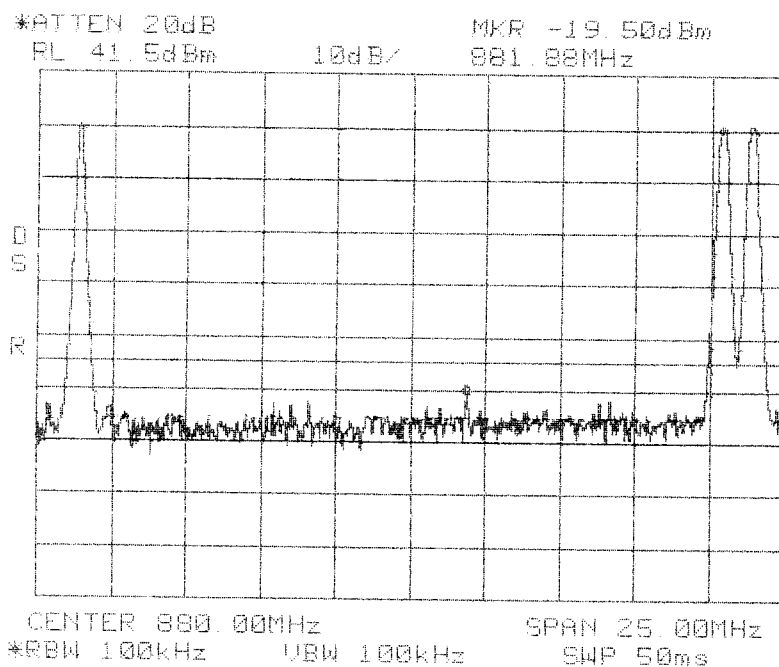
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

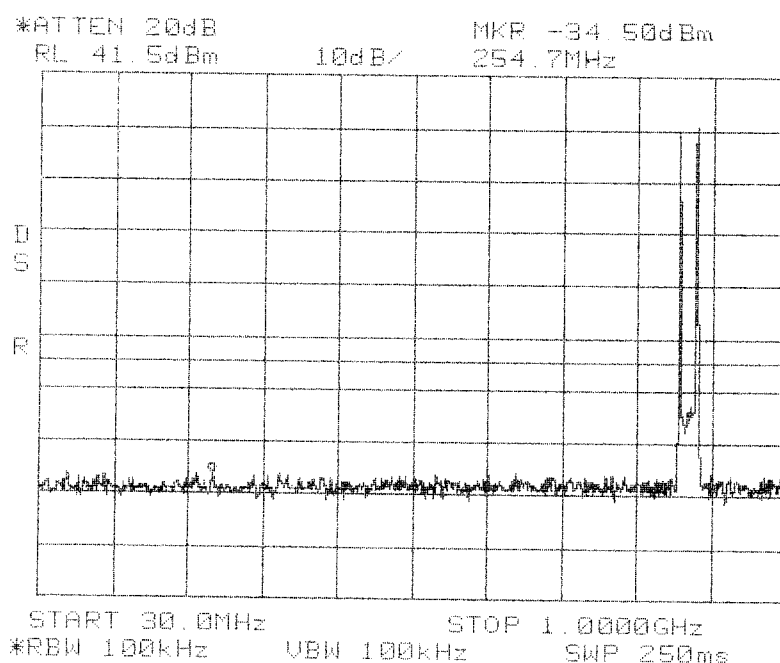


**Intermodulation
Close
Lower
GSM
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



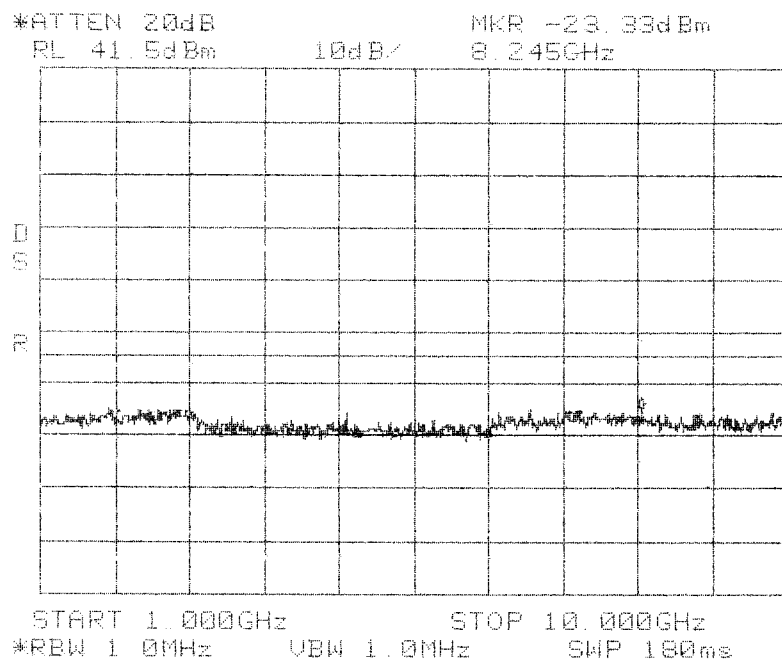
**Intermodulation
Close
Upper
GSM
Cellular 800 MHz
A Band**



**Intermodulation
Close
Upper
GSM
Cellular 800 MHz
A Band**

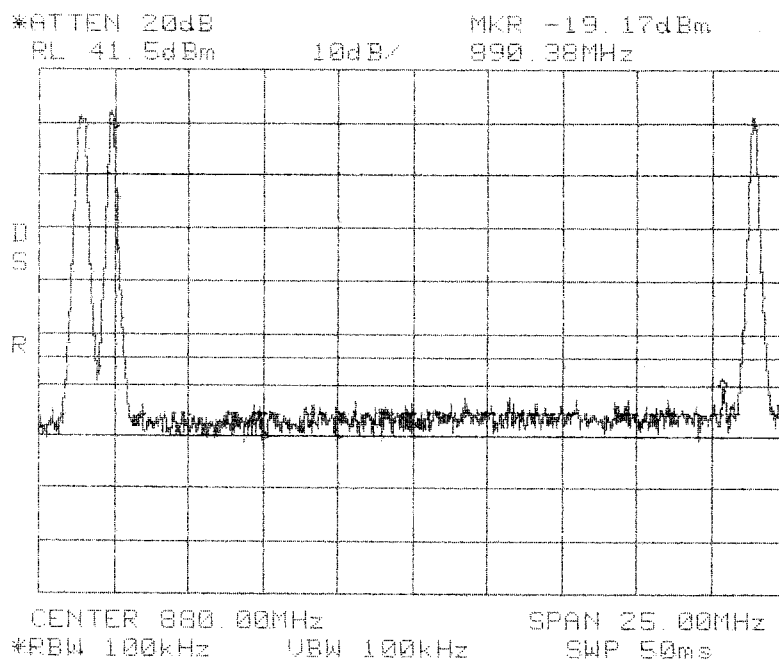
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

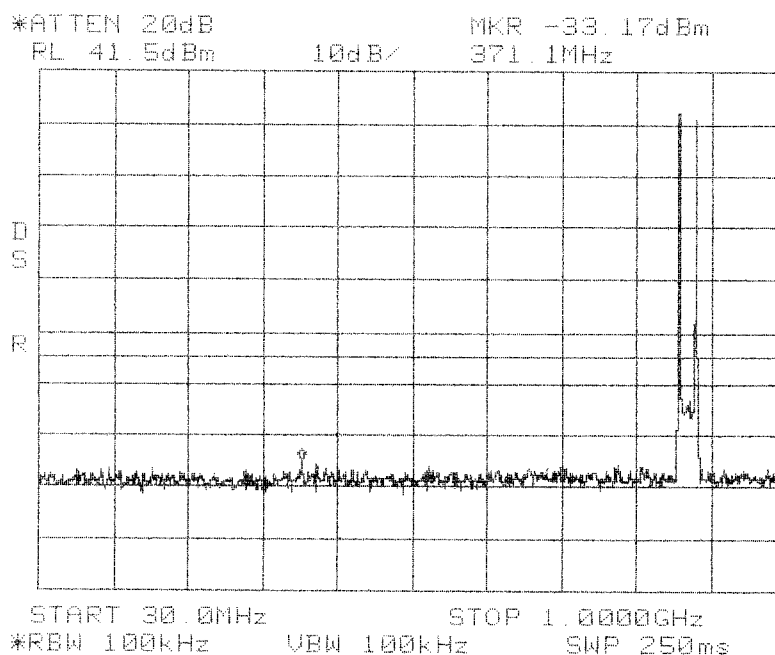


**Intermodulation
Close
Upper
GSM
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



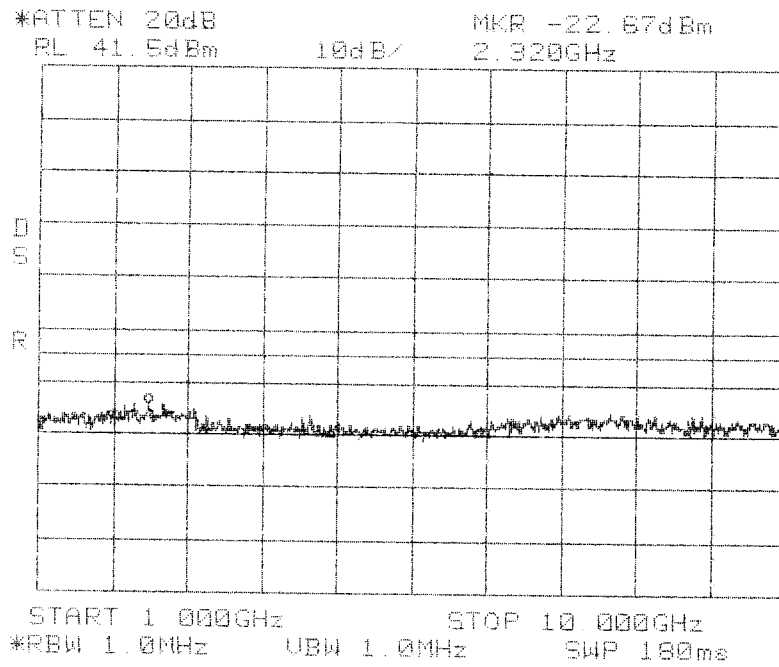
**Intermodulation
Close
Lower
16QAM
Cellular 800 MHz
A Band**



**Intermodulation
Close
Lower
16QAM
Cellular 800 MHz
A Band**

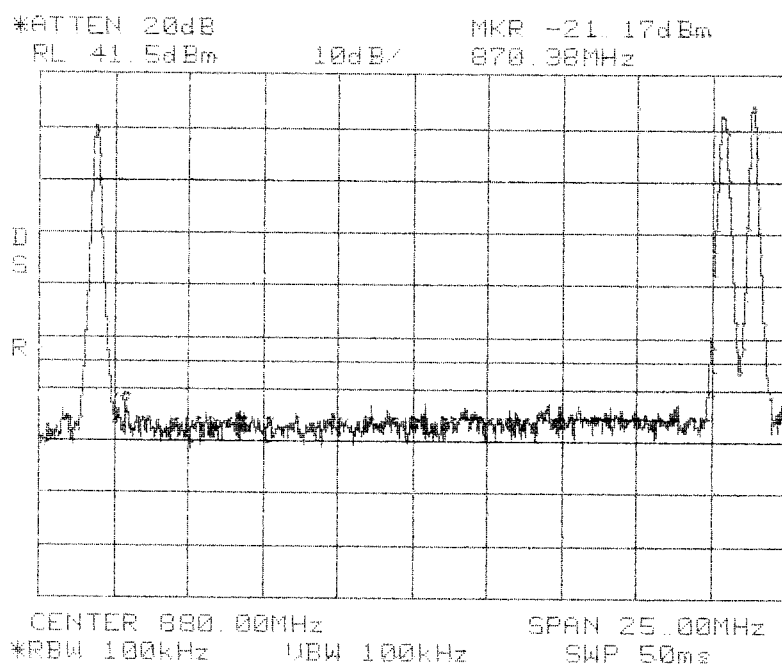
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

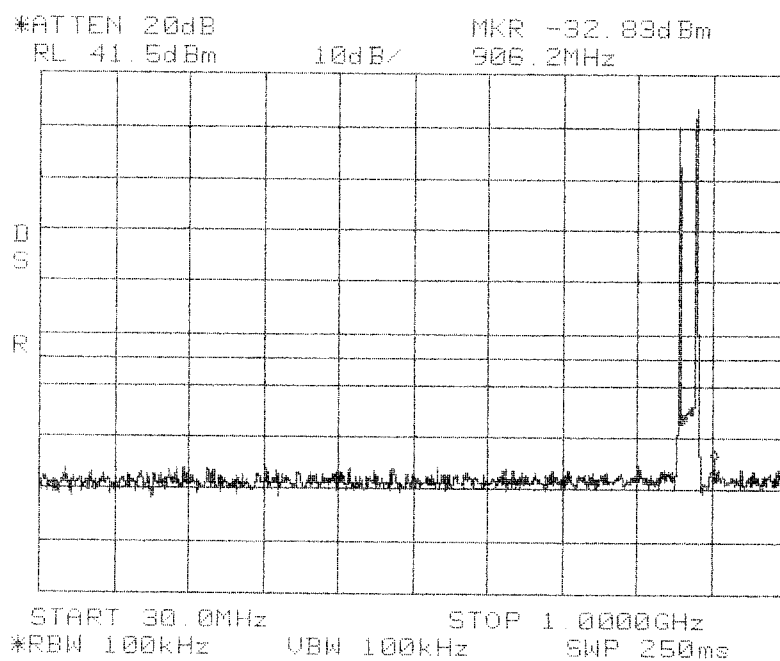


**Intermodulation
Close
Lower
16QAM
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



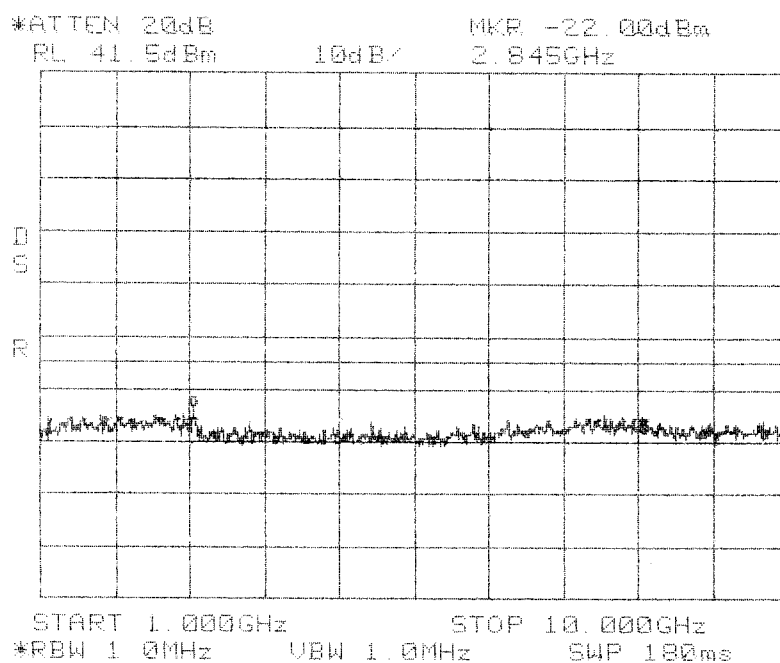
**Intermodulation
Close
Upper
16QAM
Cellular 800 MHz
A Band**



**Intermodulation
Close
Upper
16QAM
Cellular 800 MHz
A Band**

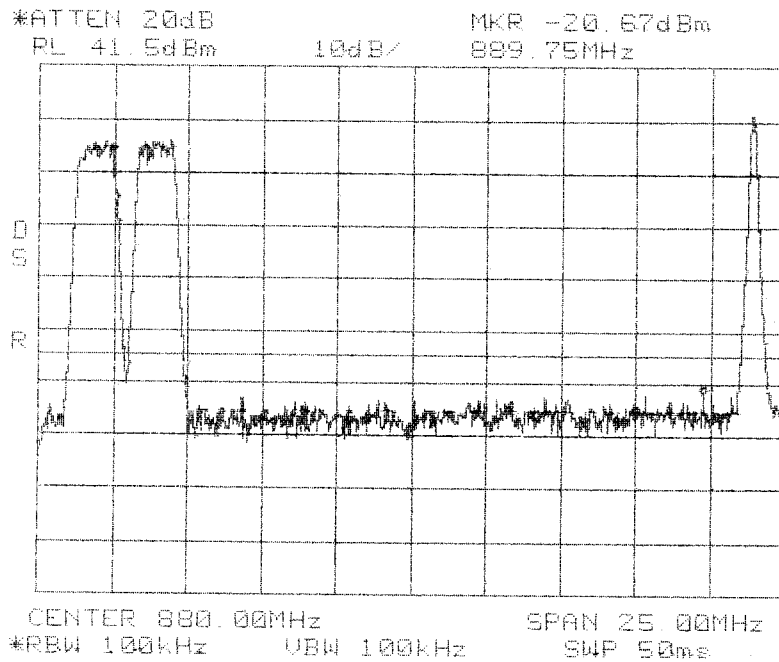
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

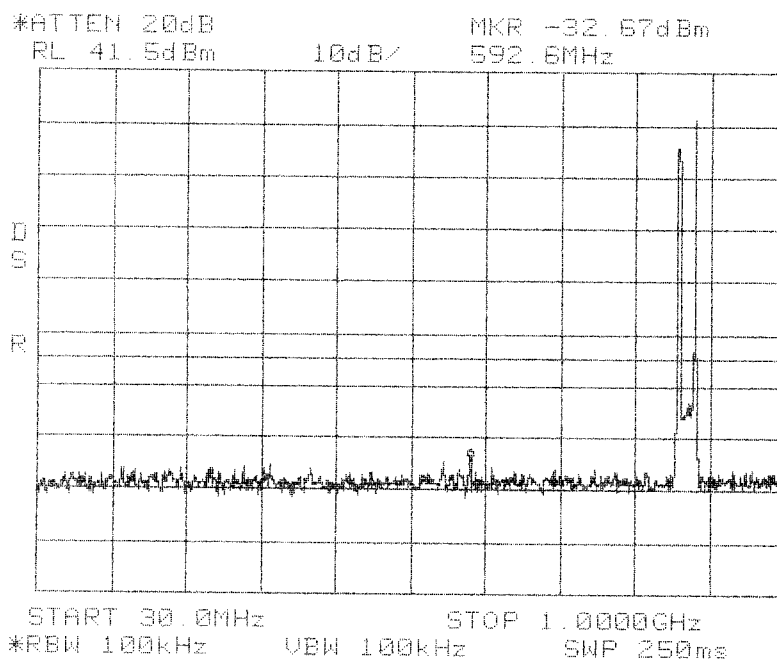


**Intermodulation
Close
Upper
16QAM
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



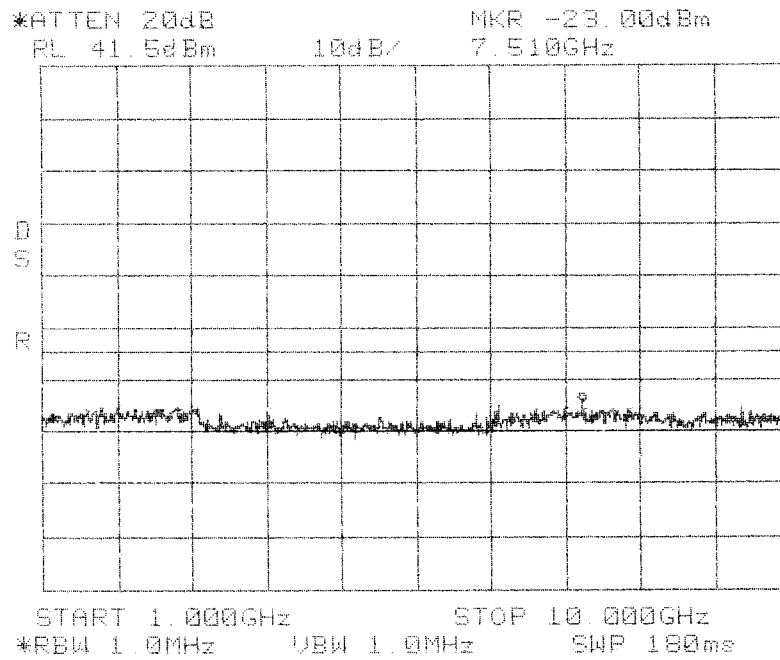
**Intermodulation
Close
Lower
CDMA
Cellular 800 MHz
A Band**



**Intermodulation
Close
Lower
CDMA
Cellular 800 MHz
A Band**

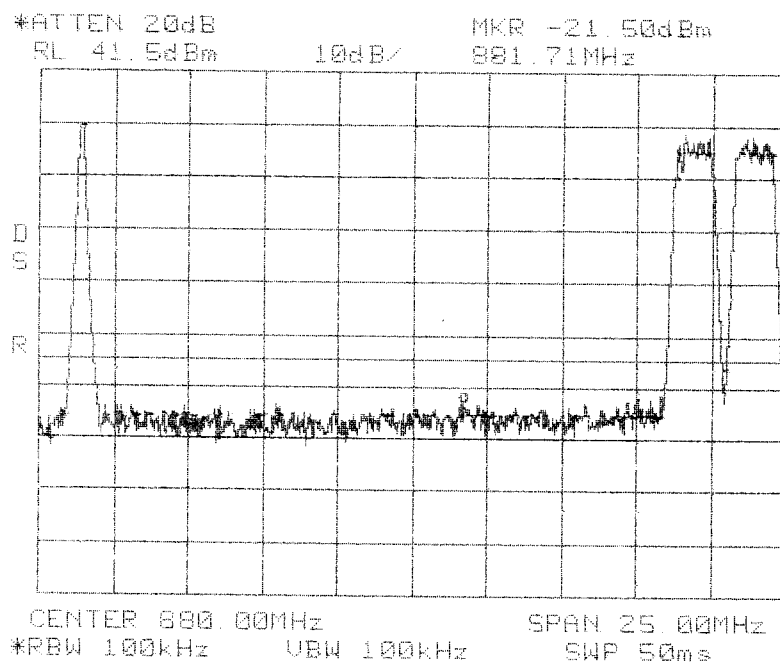
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

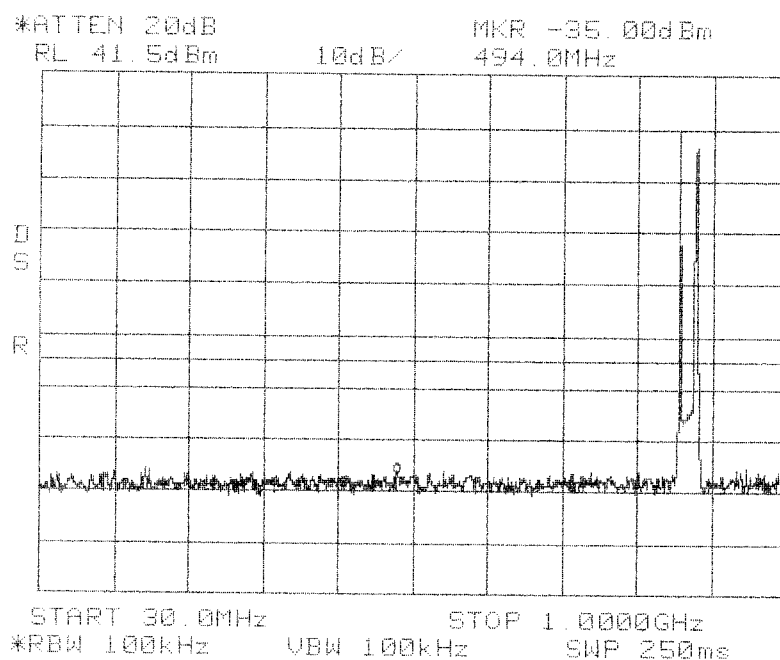


**Intermodulation
Close
Lower
CDMA
Cellular 800 MHz
A Band**

Center: 880.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



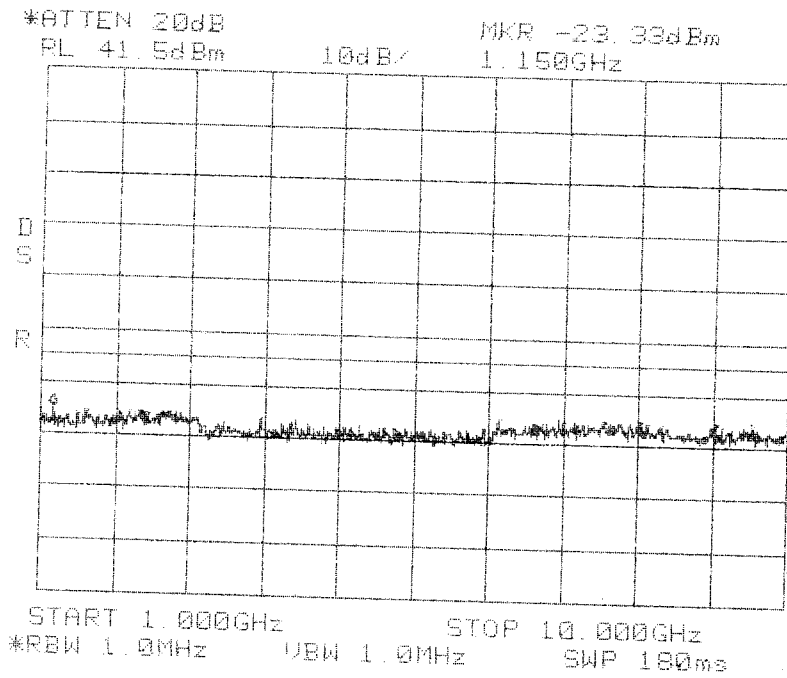
**Intermodulation
Close
Upper
CDMA
Cellular 800 MHz
A Band**



**Intermodulation
Close
Upper
CDMA
Cellular 800 MHz
A Band**

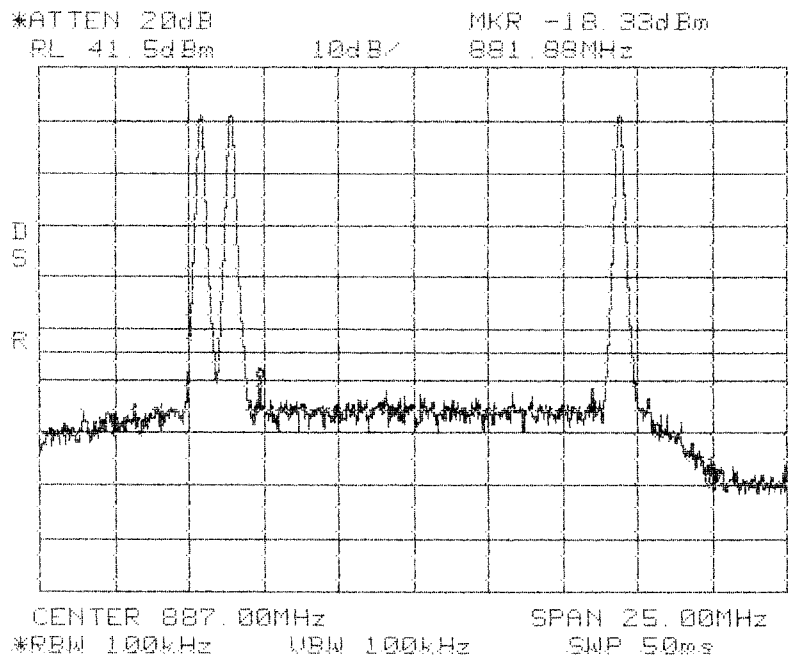
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

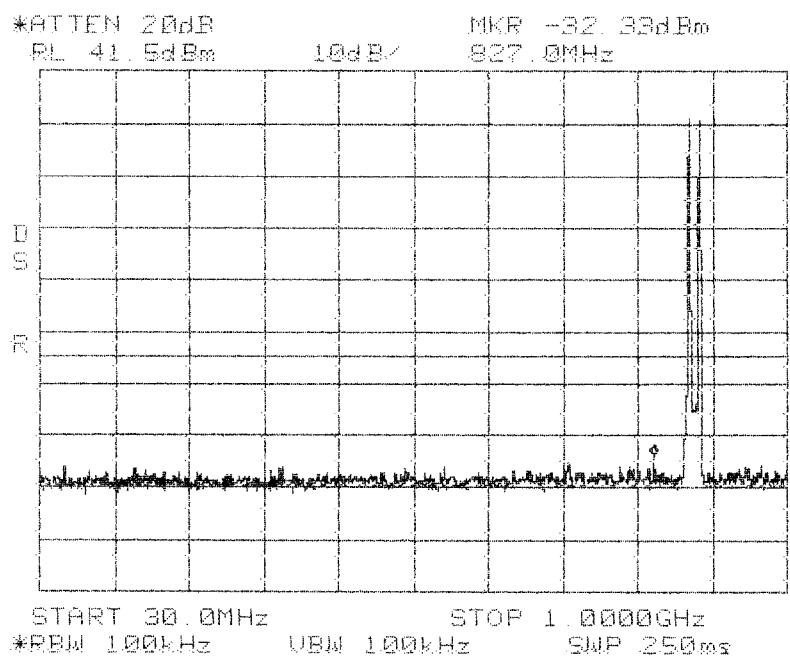


**Intermodulation
Close
Upper
CDMA
Cellular 800 MHz
A Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



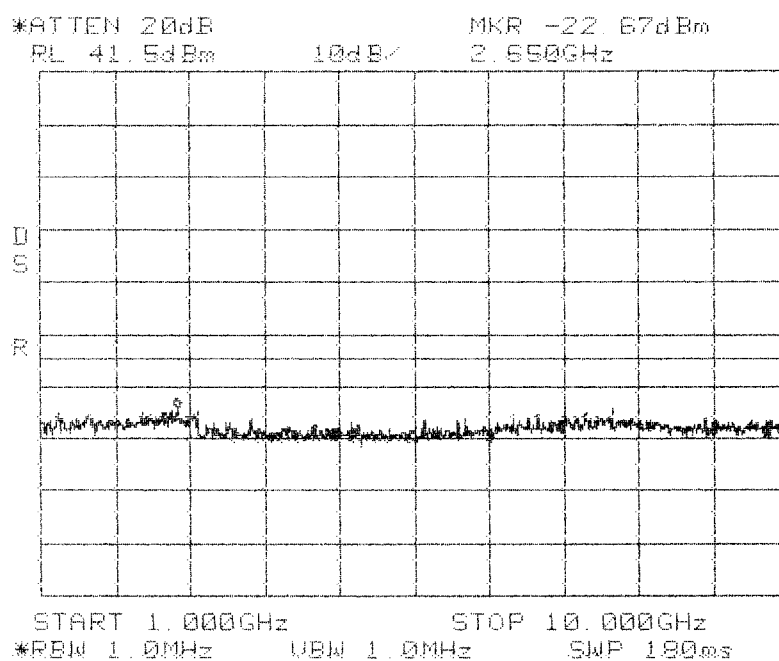
**Intermodulation
Close
Lower
FM
Cellular 800 MHz
B Band**



**Intermodulation
Close
Lower
FM
Cellular 800 MHz
B Band**

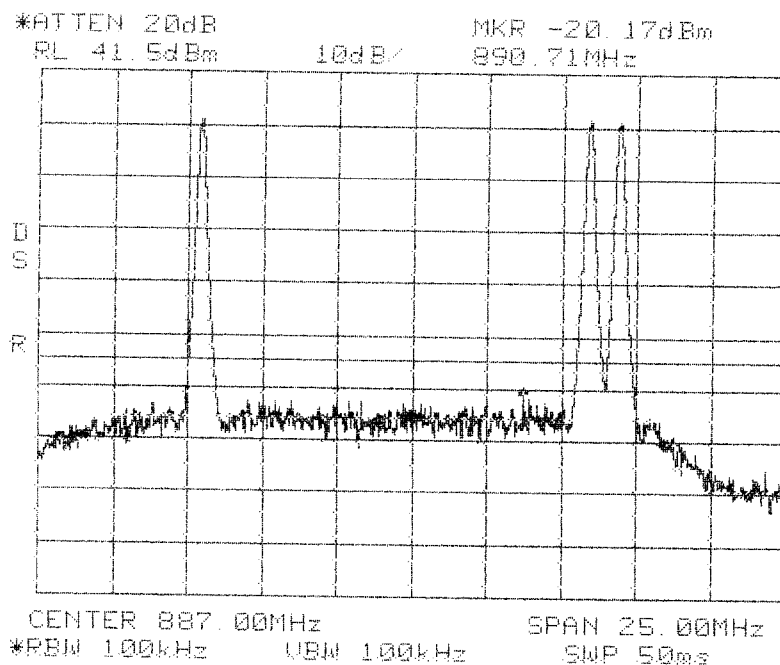
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

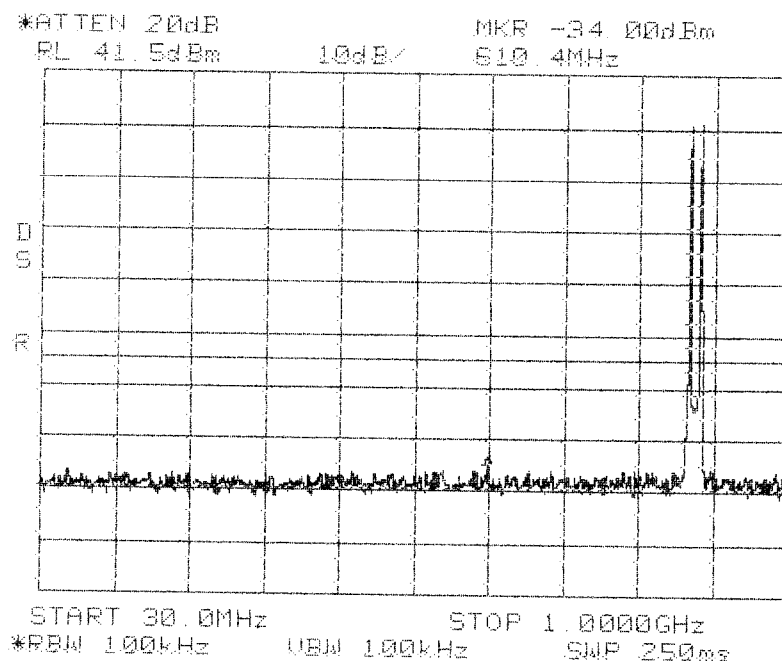


**Intermodulation
Close
Lower
FM
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



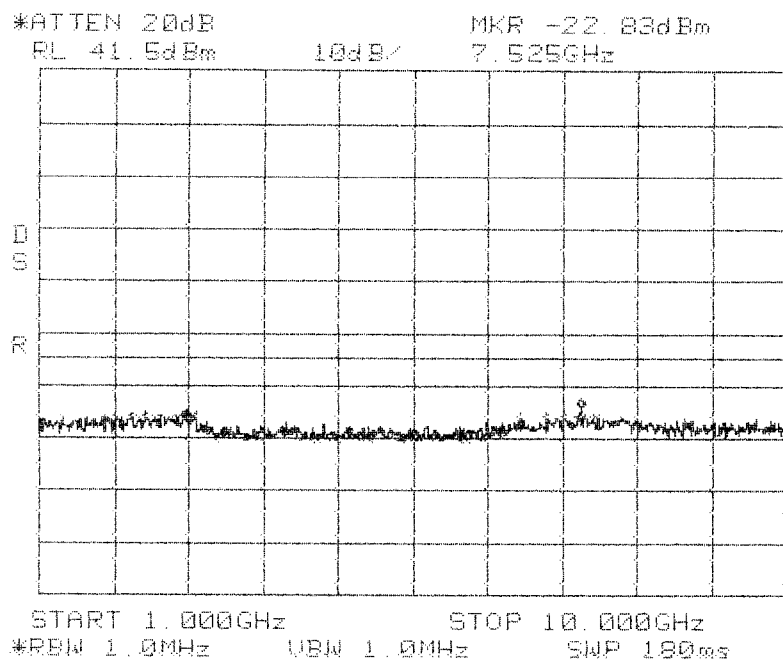
**Intermodulation
Close
Upper
FM
Cellular 800 MHz
B Band**



**Intermodulation
Close
Upper
FM
Cellular 800 MHz
B Band**

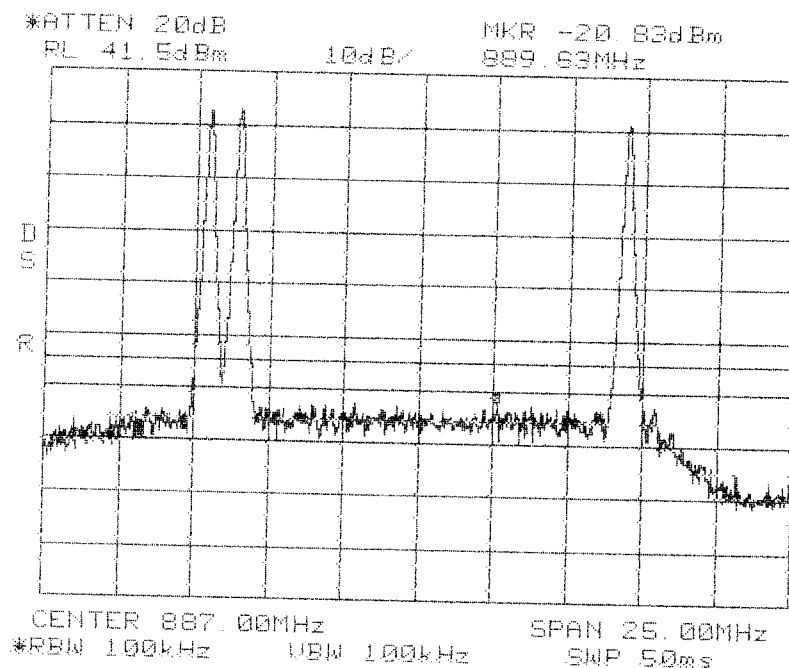
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

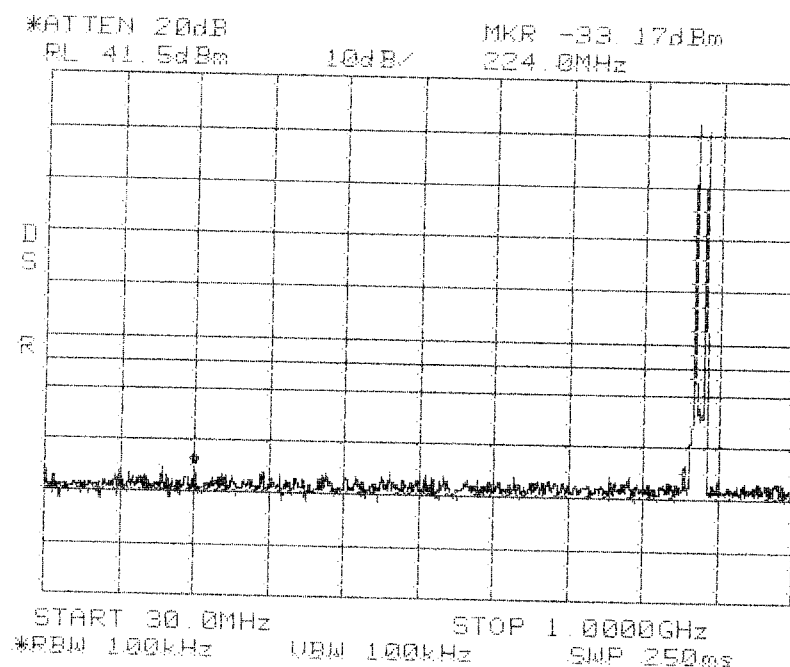


**Intermodulation
Close
Upper
FM
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



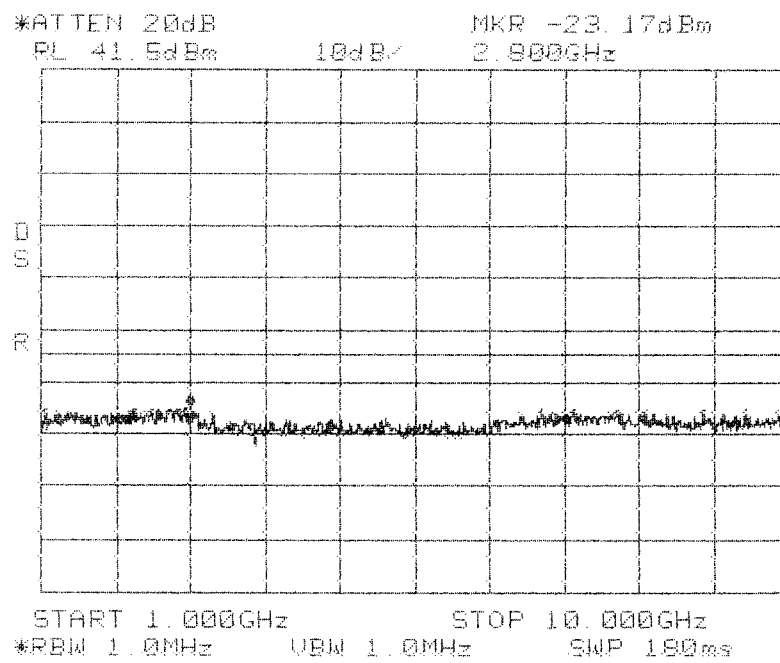
**Intermodulation
Close
Lower
TDMA
Cellular 800 MHz
B Band**



**Intermodulation
Close
Lower
TDMA
Cellular 800 MHz
B Band**

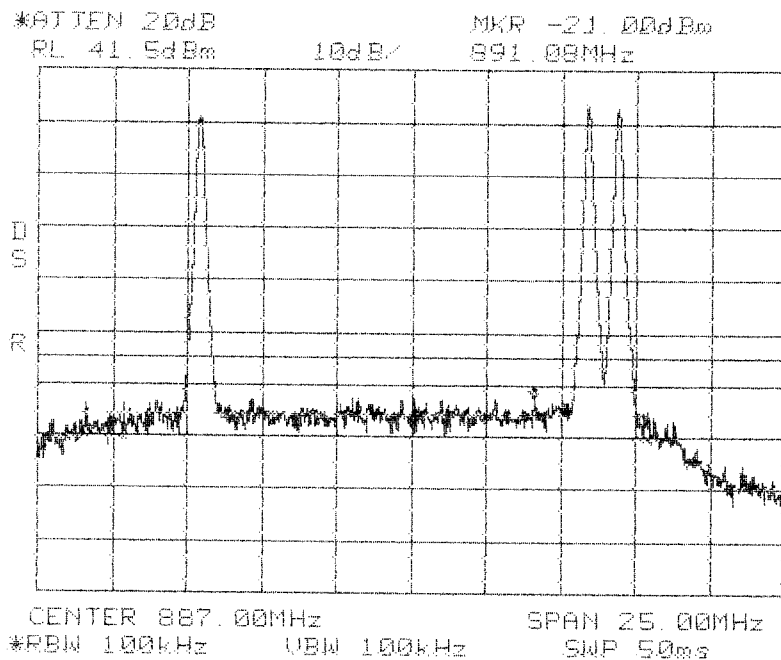
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

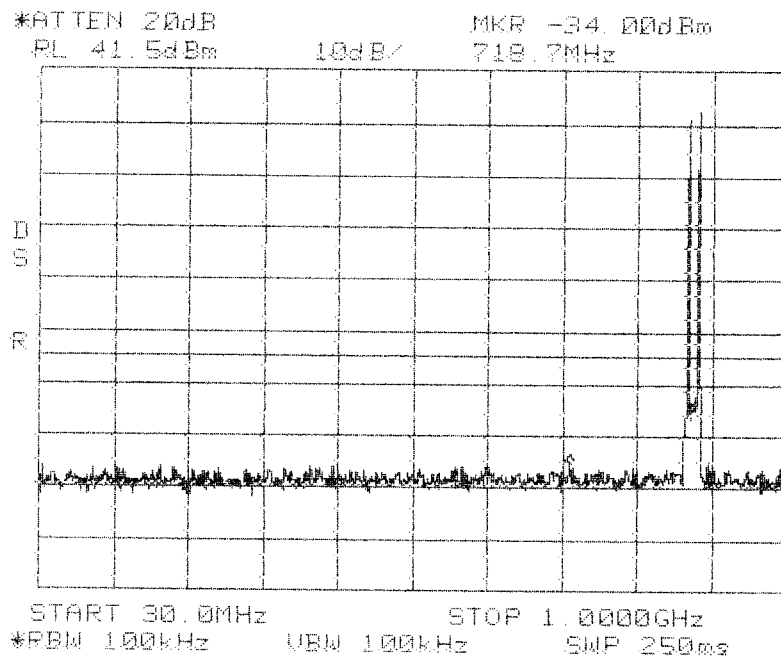


**Intermodulation
Close
Lower
TDMA
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



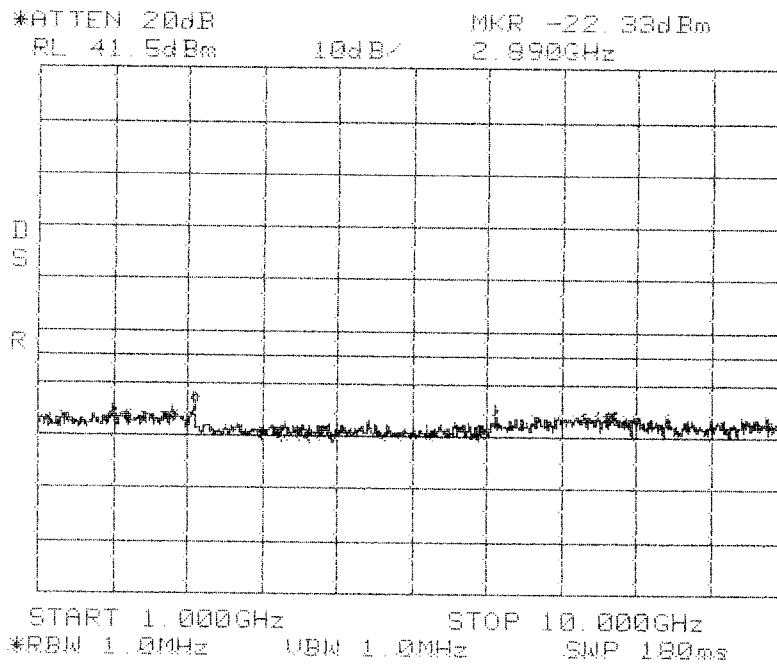
**Intermodulation
Close
Upper
TDMA
Cellular 800 MHz
B Band**



**Intermodulation
Close
Upper
TDMA
Cellular 800 MHz
B Band**

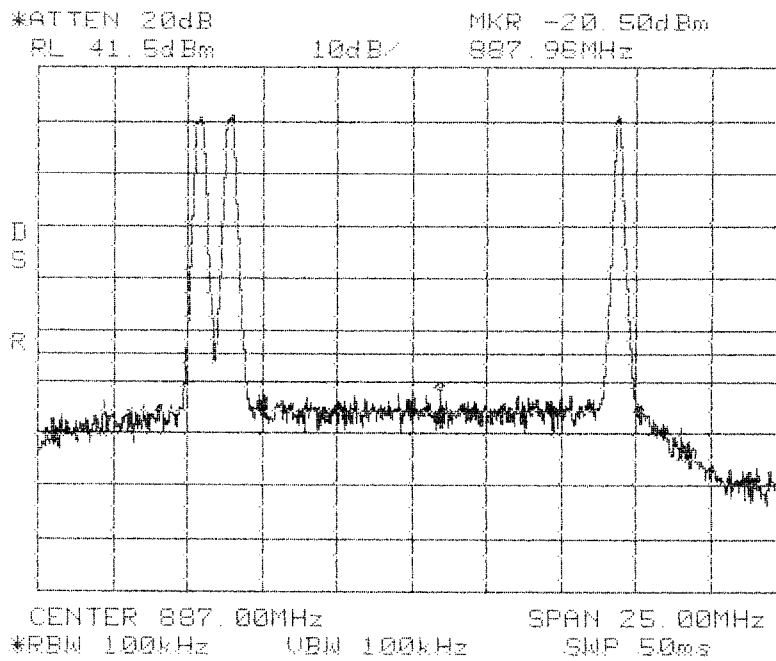
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

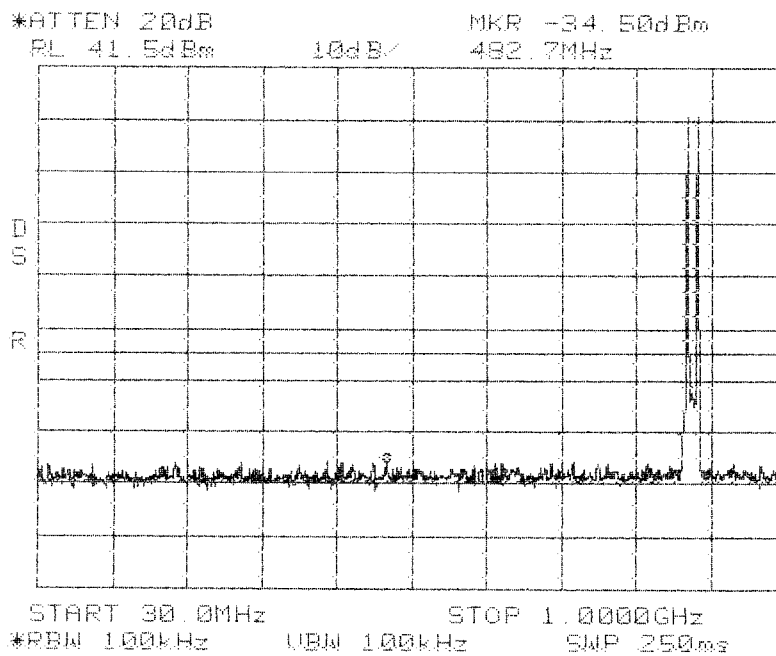


**Intermodulation
Close
Upper
TDMA
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



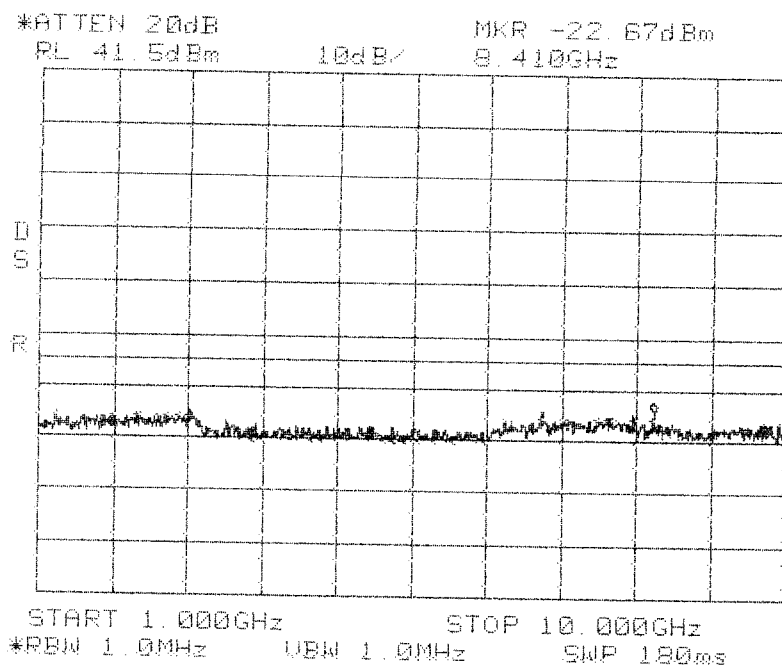
**Intermodulation
Close
Lower
GSM
Cellular 800 MHz
B Band**



**Intermodulation
Close
Lower
GSM
Cellular 800 MHz
B Band**

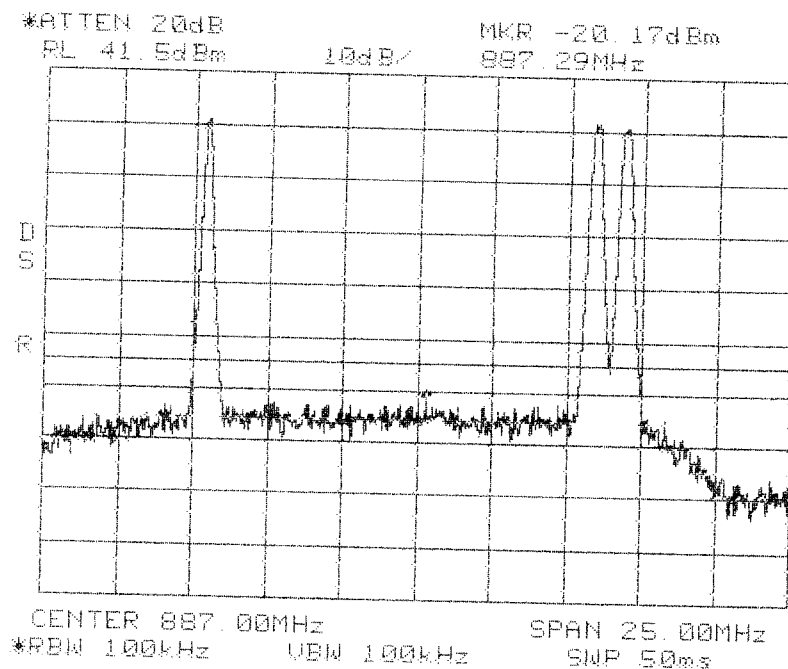
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

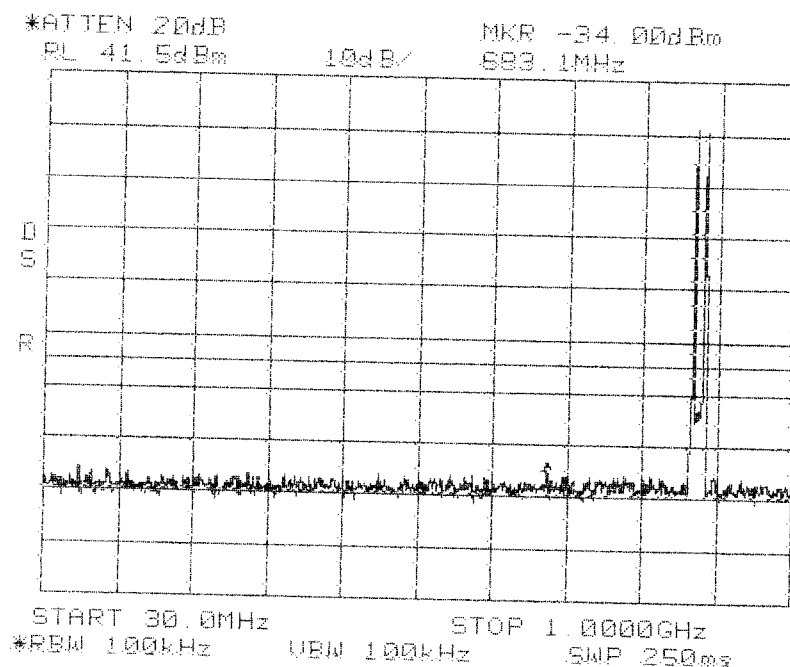


**Intermodulation
Close
Lower
GSM
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



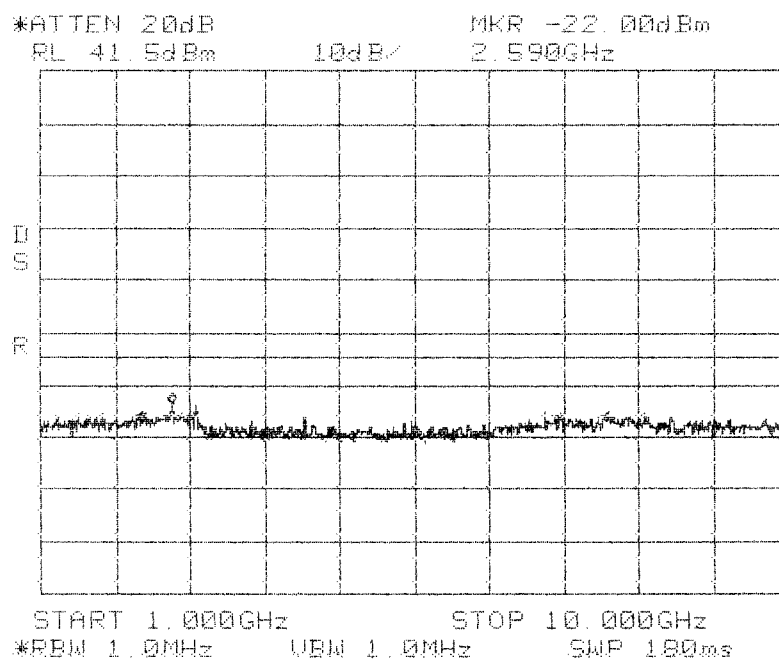
**Intermodulation
Close
Upper
GSM
Cellular 800 MHz
B Band**



**Intermodulation
Close
Upper
GSM
Cellular 800 MHz
B Band**

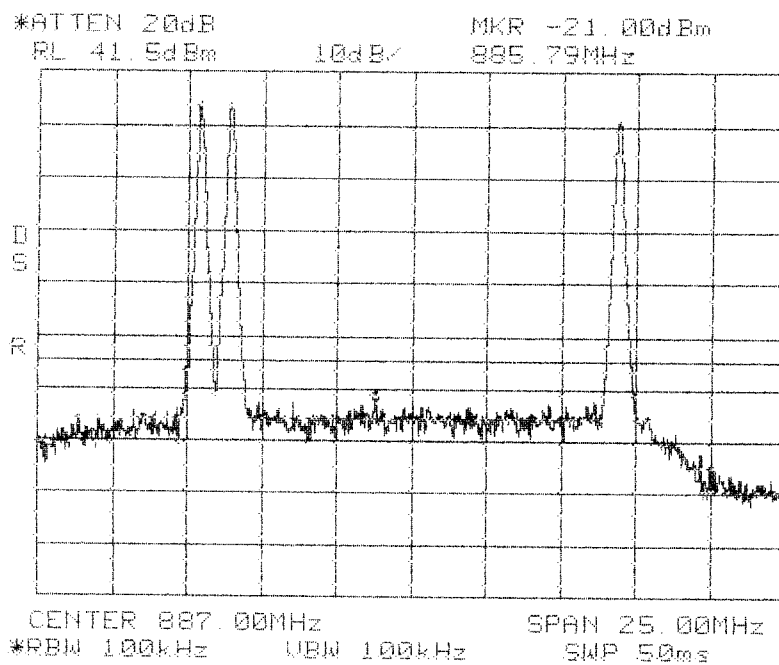
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

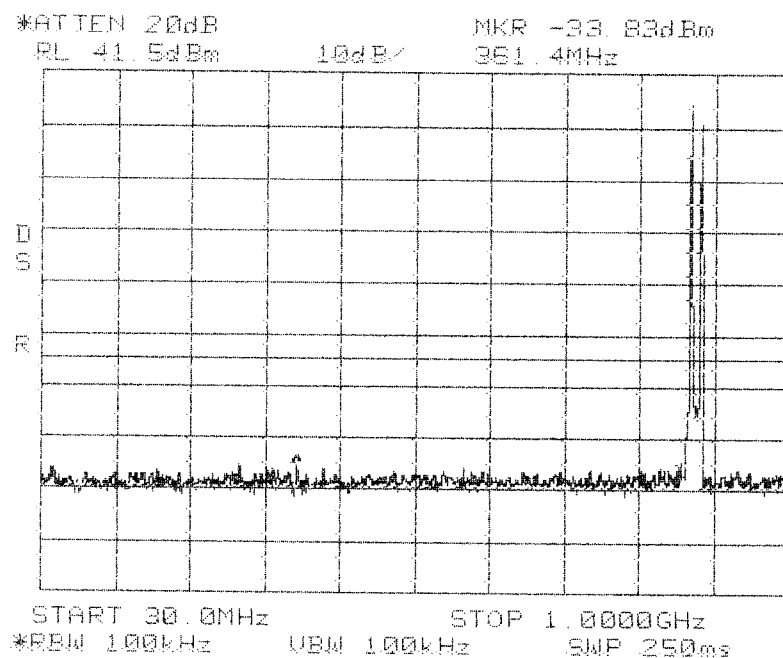


**Intermodulation
Close
Upper
GSM
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



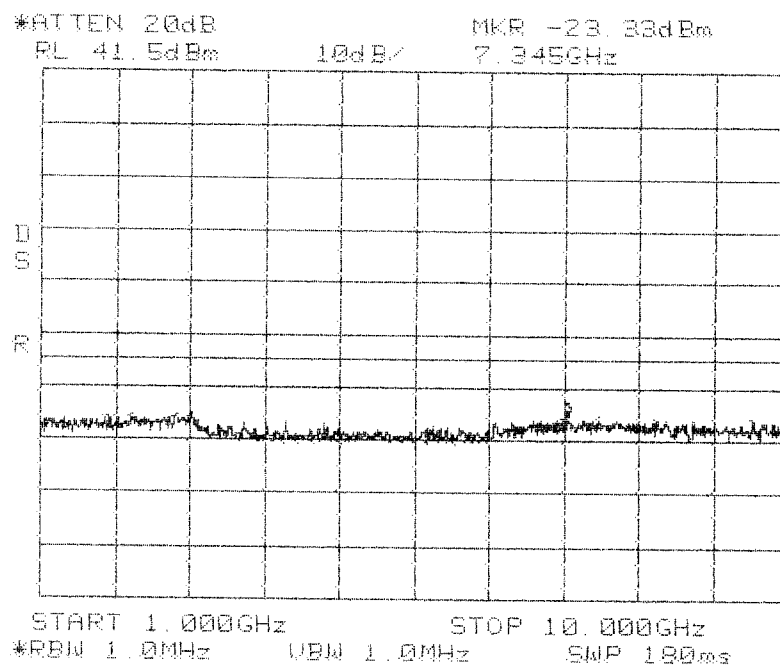
**Intermodulation
Close
Lower
16QAM
Cellular 800 MHz
B Band**



**Intermodulation
Close
Lower
16QAM
Cellular 800 MHz
B Band**

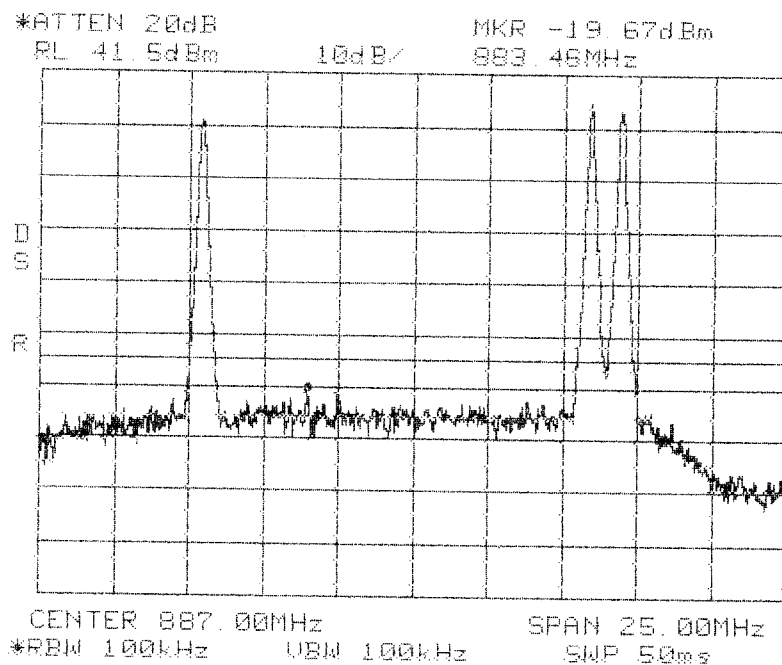
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

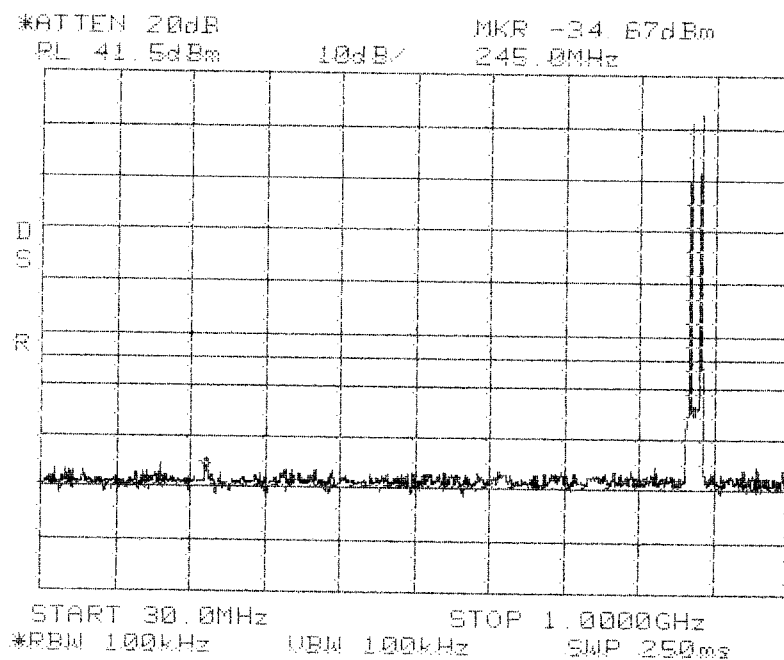


**Intermodulation
Close
Lower
16QAM
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



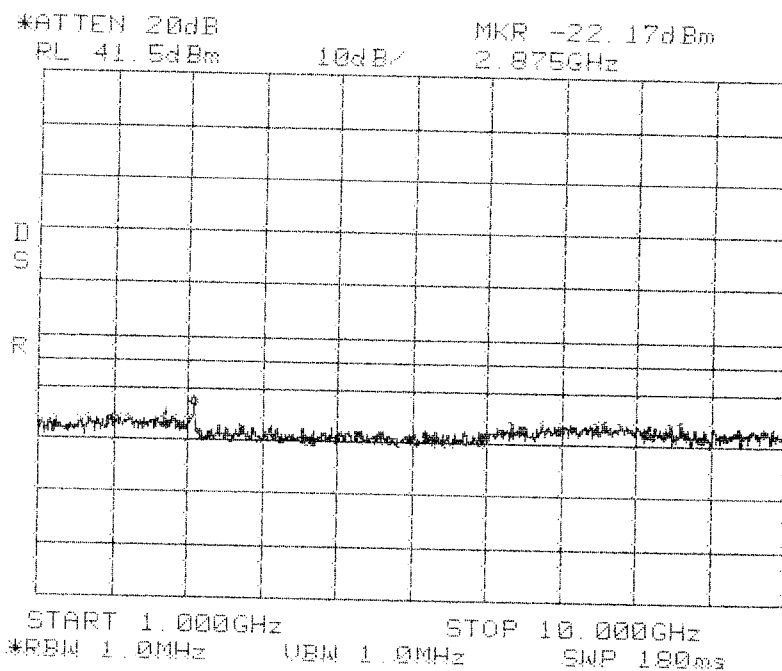
**Intermodulation
Close
Upper
16QAM
Cellular 800 MHz
B Band**



**Intermodulation
Close
Upper
16QAM
Cellular 800 MHz
B Band**

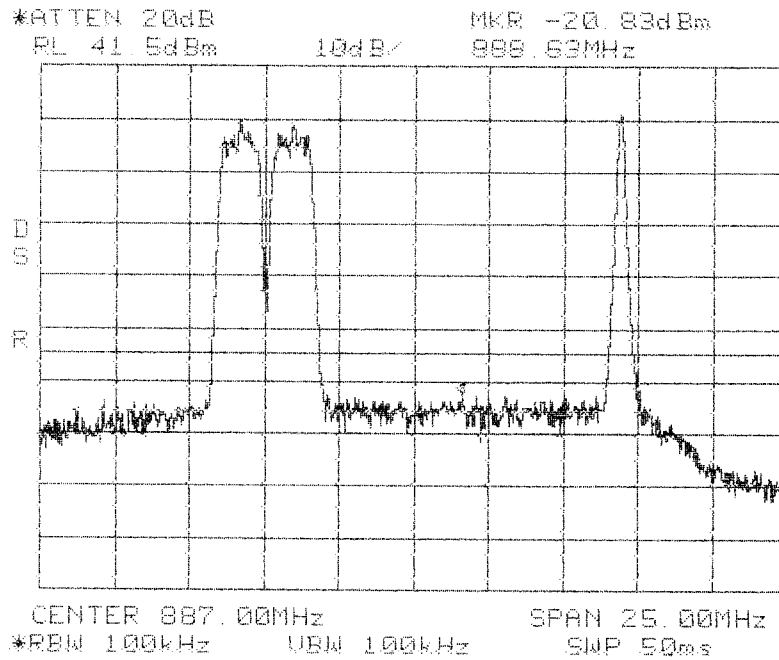
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

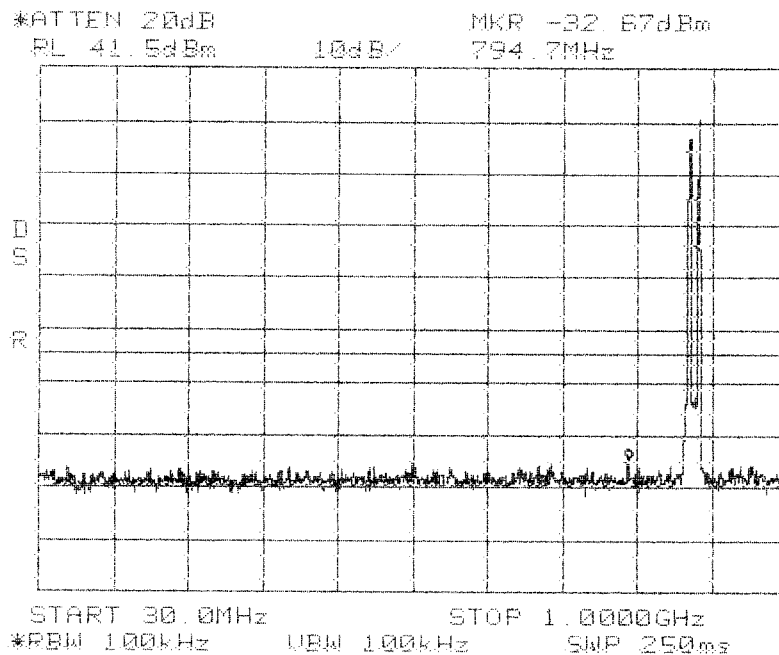


**Intermodulation
Close
Upper
16QAM
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



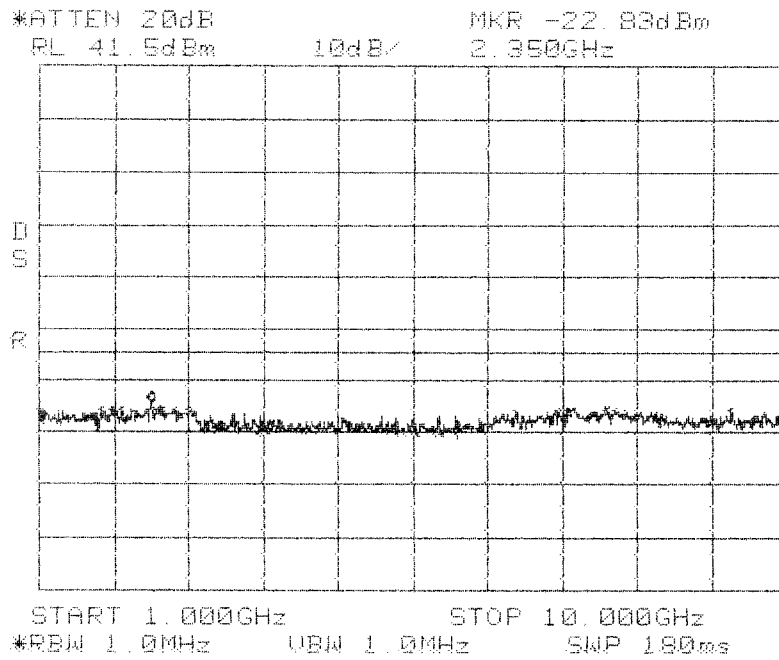
**Intermodulation
Close
Lower
CDMA
Cellular 800 MHz
B Band**



**Intermodulation
Close
Lower
CDMA
Cellular 800 MHz
B Band**

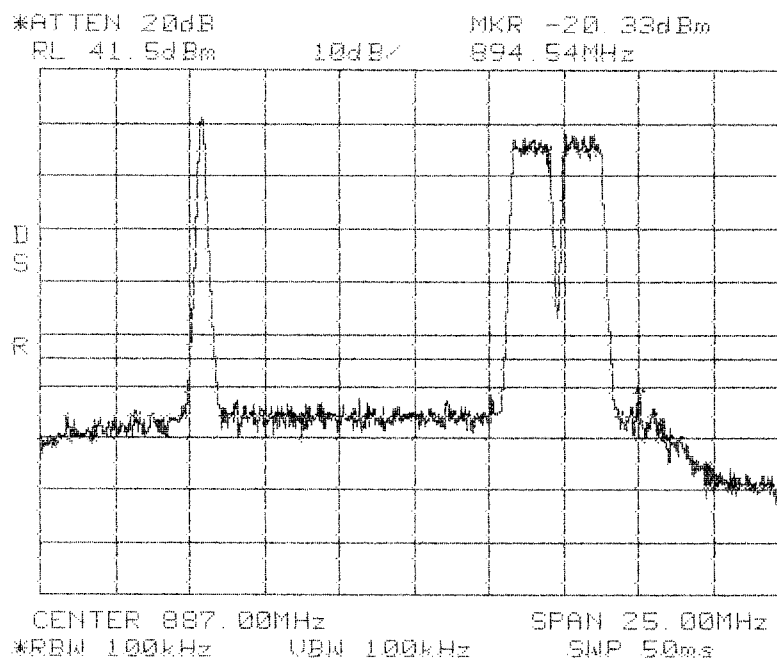
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

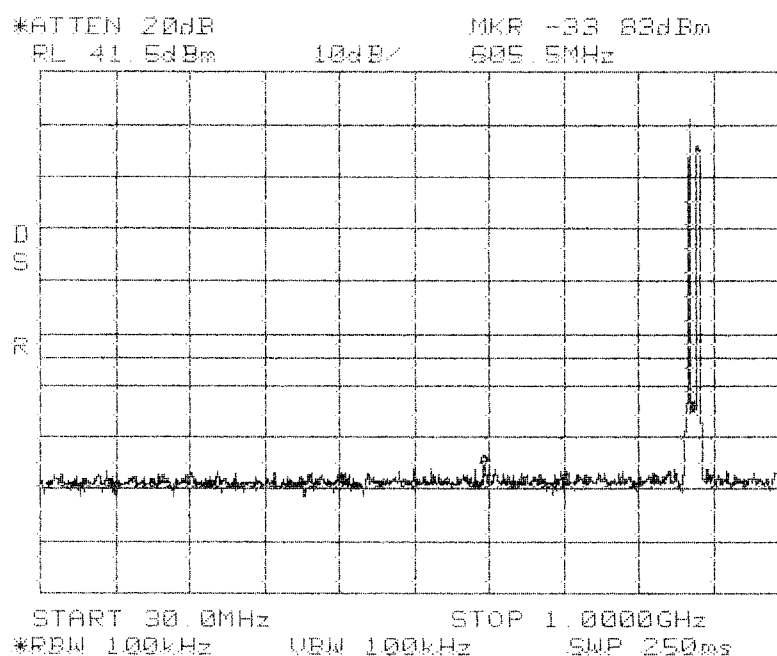


**Intermodulation
Close
Lower
CDMA
Cellular 800 MHz
B Band**

Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



**Intermodulation
Close
Upper
CDMA
Cellular 800 MHz
B Band**

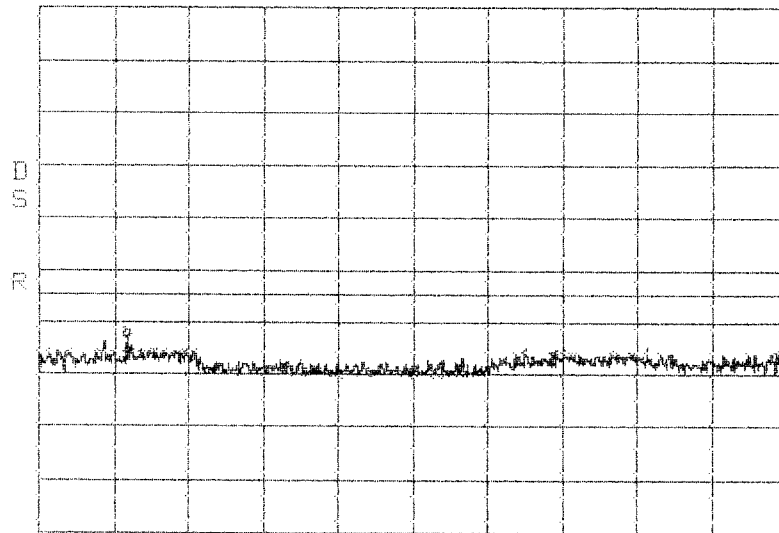


**Intermodulation
Close
Upper
CDMA
Cellular 800 MHz
B Band**

Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 10 GHz
RBW/VBW: 1 MHz

*ATTEN 20dB MKR -21.83dBm
RL 41.5dBm 10dB/ 2.050GHz



START 1.000GHz STOP 10.000GHz
*RBW 1.0MHz VBW 1.0MHz SWP 100ms

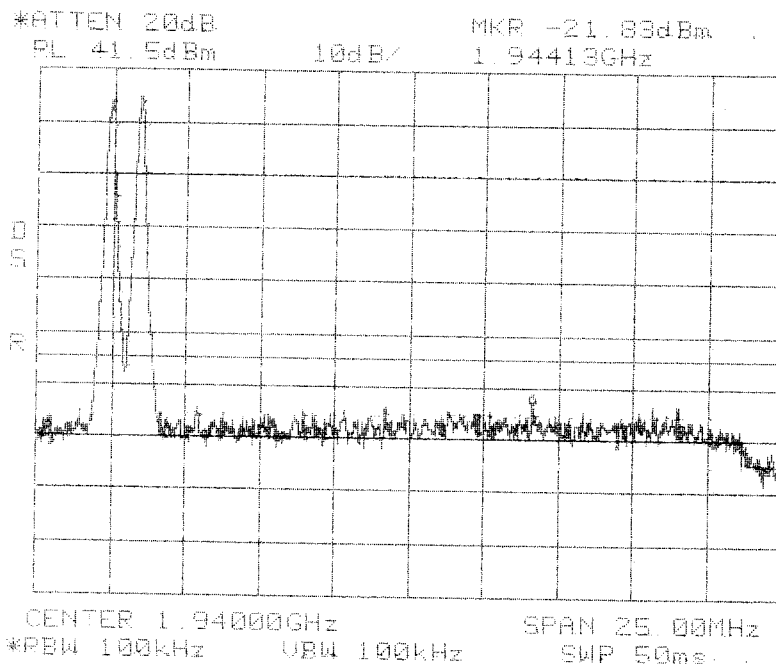
**Intermodulation
Close
Upper
CDMA
Cellular 800 MHz
B Band**

Inter-Modulation Test for ADC Inc
Digivance â Street Coverage Solution
Model Number DGVC-1X1X4X1X200SYS

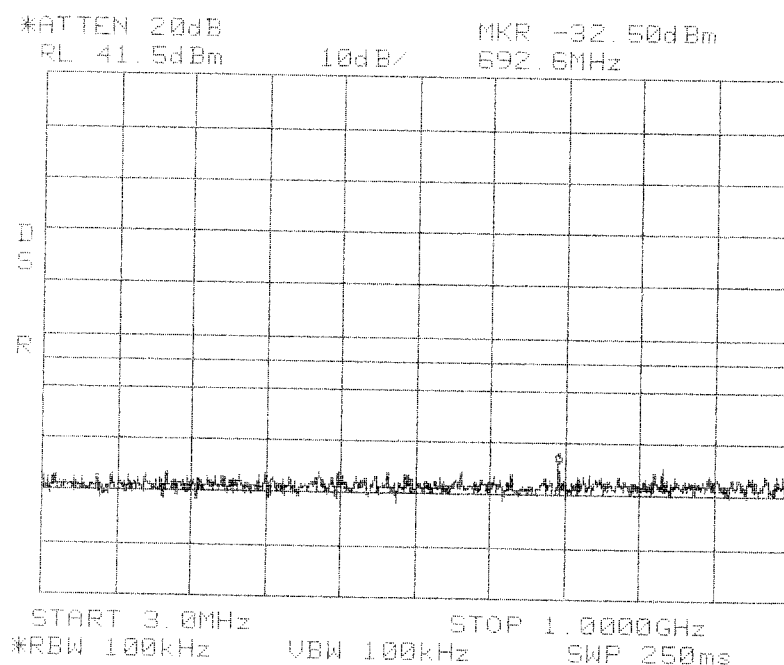
The inter-modulation products test was performed for the EUT. Three tests were performed with the modulation type. Test 1 was with 2 signals input to the EUT at lower end channels. Test 2 was with 2 signals input to the EUT at upper end channels. Test 3 was with 2 signals input to the EUT at upper and lower end channels. The modulation types tested were TDMA, GSM, and CDMA. An investigation was made from 30 MHz to the 10th Harmonic of the highest fundamental frequency (~20 GHz). The following plots show the results.

Results:
(See Plots)

Center: 1940.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



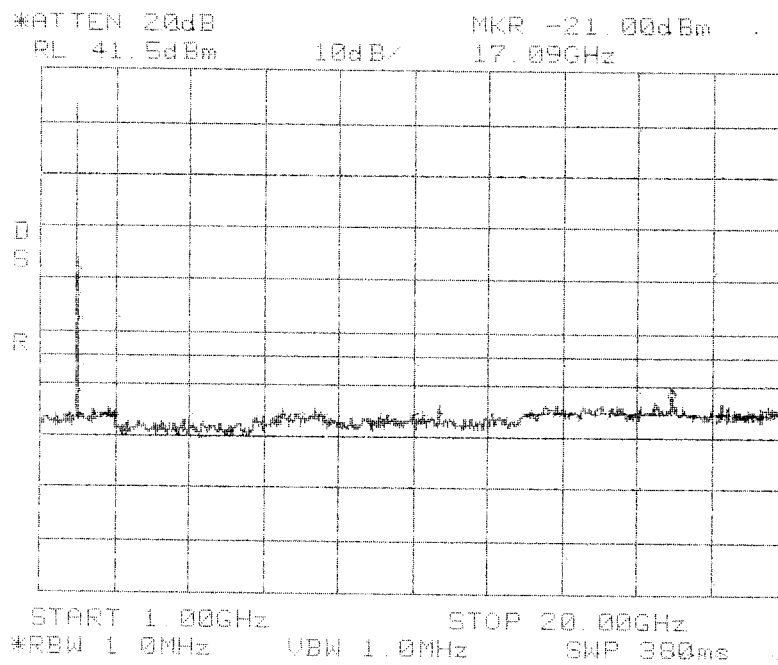
**Intermodulation
Close
Lower
TDMA
PCS 1900 MHz
AD Band**



**Intermodulation
Close
Lower
TDMA
PCS 1900 MHz
AD Band**

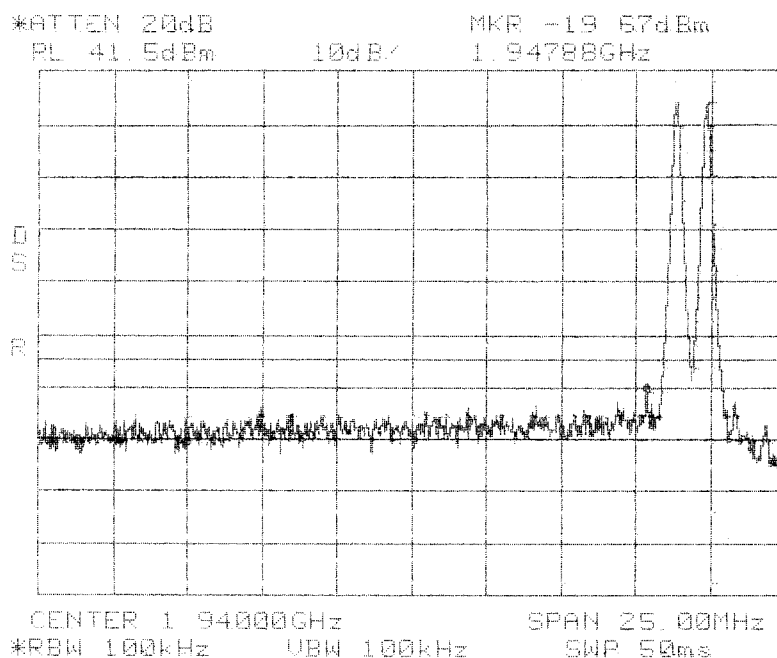
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz
RBW/VBW: 1 MHz

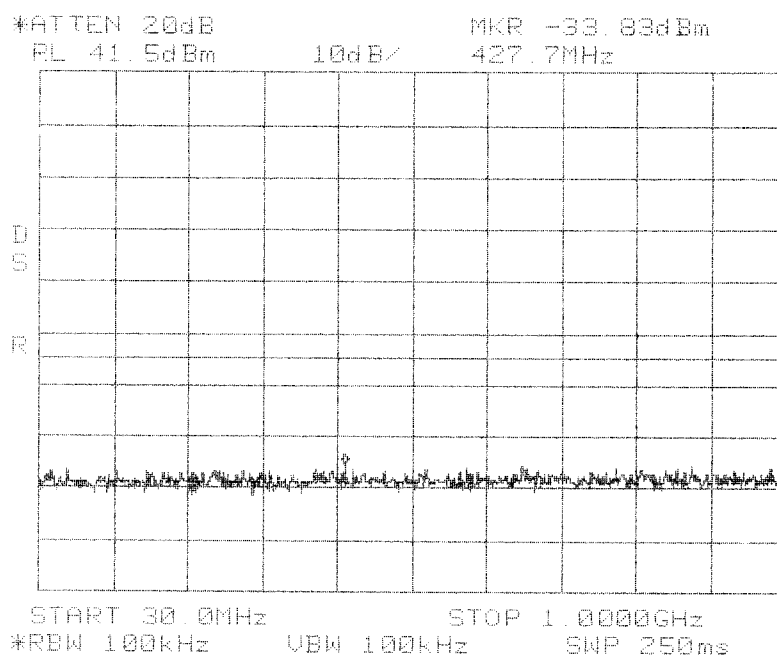


**Intermodulation
Close
Lower
TDMA
PCS 1900 MHz
AD Band**

Center: 1940.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



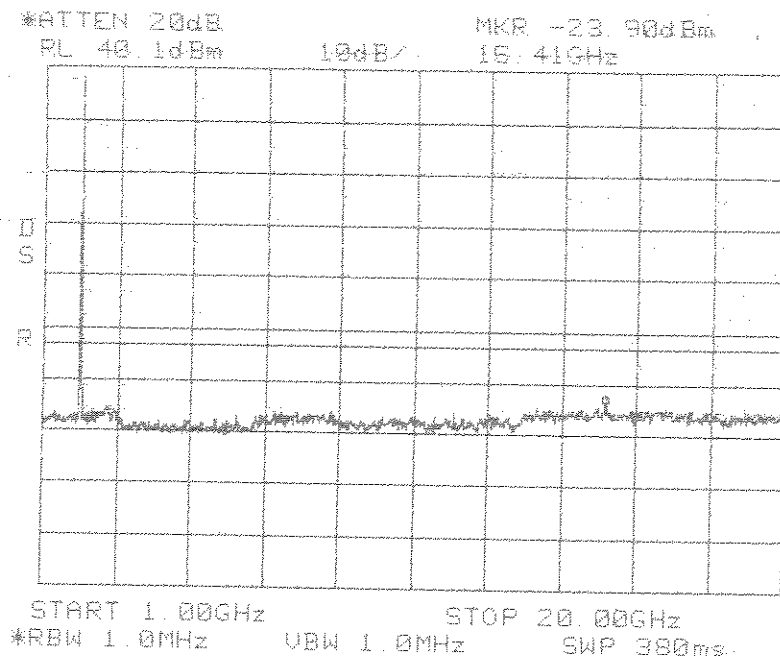
**Intermodulation
Close
Upper
TDMA
PCS 1900 MHz
AD Band**



**Intermodulation
Close
Upper
TDMA
PCS 1900 MHz
AD Band**

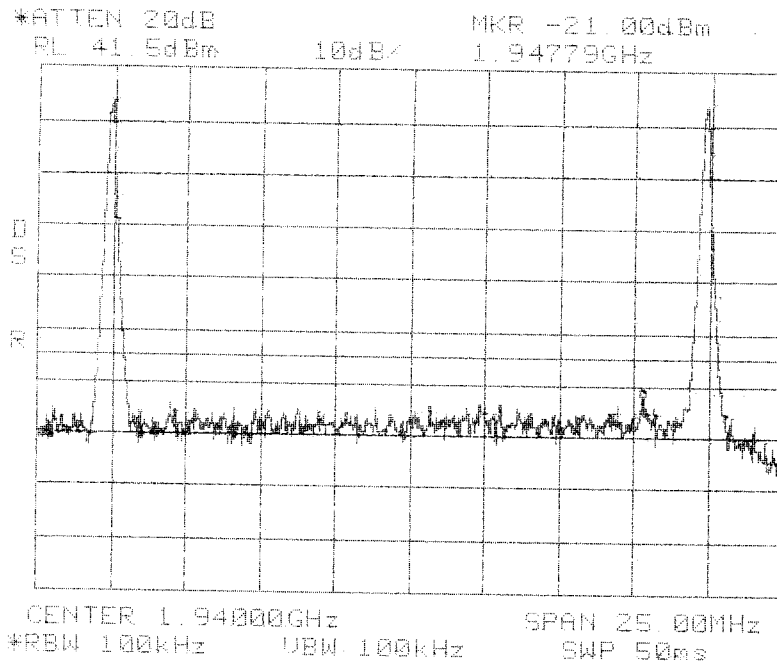
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz
RBW/VBW: 1 MHz

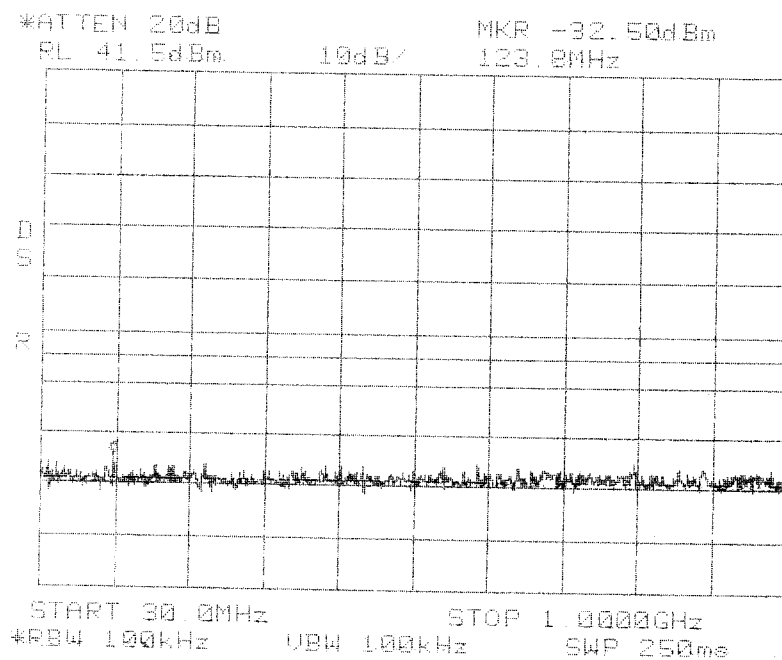


**Intermodulation
Close
Upper
TDMA
PCS 1900 MHz
AD Band**

Center: 1940.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



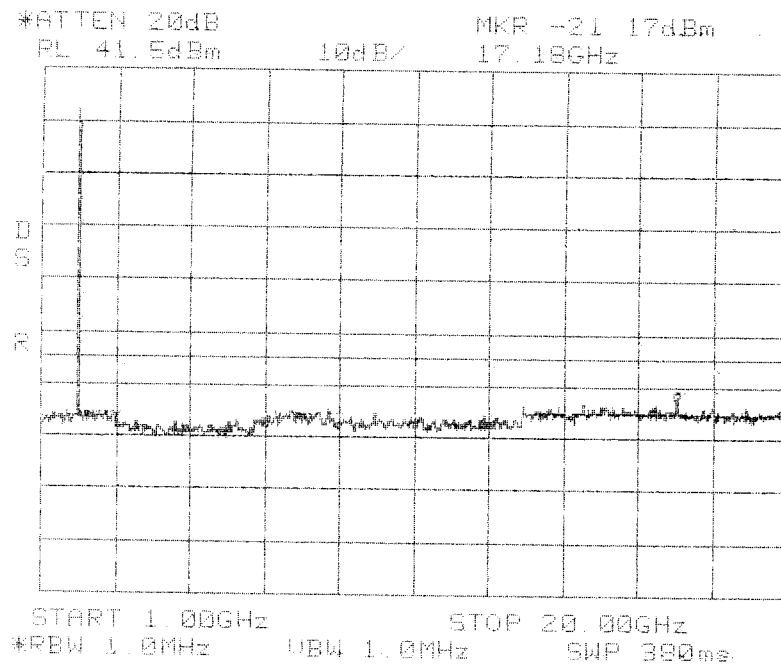
**Intermodulation
Apart
TDMA
PCS 1900 MHz
AD Band**



**Intermodulation
Apart
TDMA
PCS 1900 MHz
AD Band**

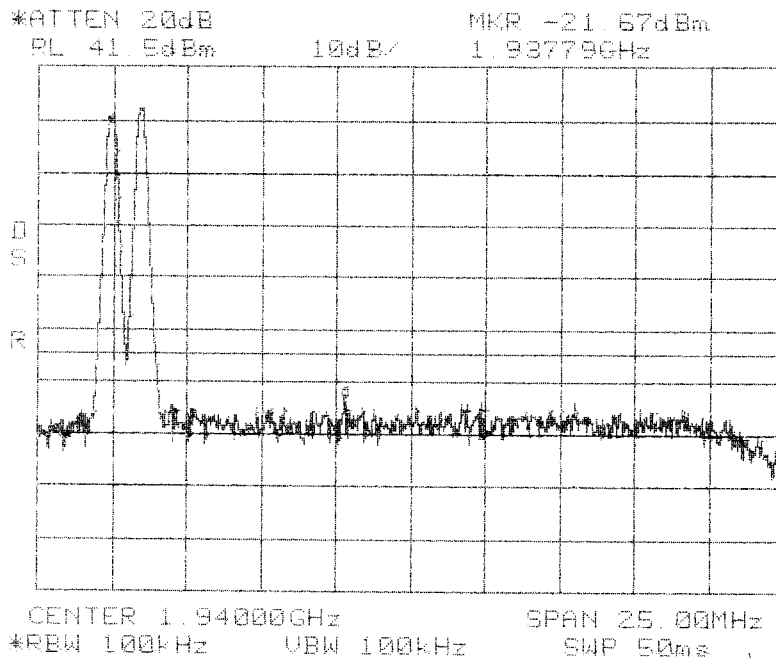
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz
RBW/VBW: 1 MHz

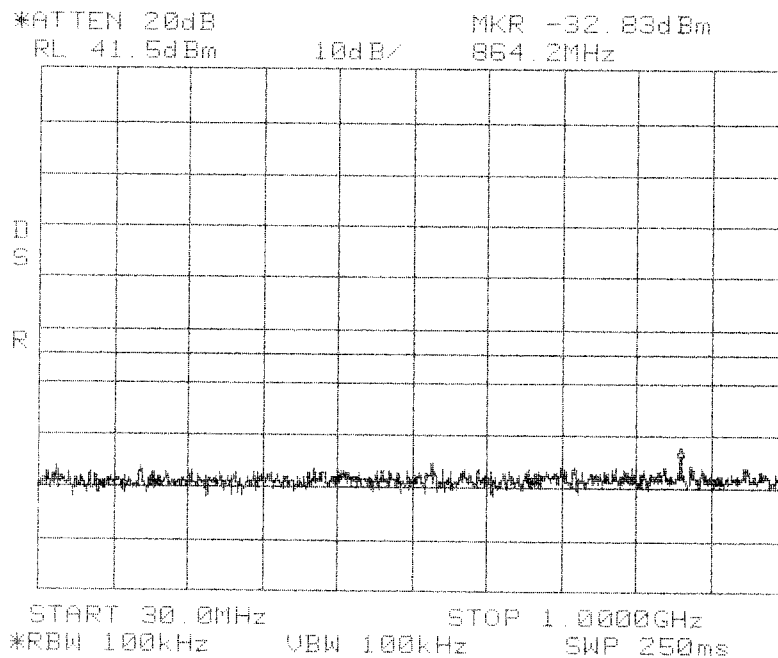


**Intermodulation
Apart
TDMA
PCS 1900 MHz
AD Band**

Center: 1940.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



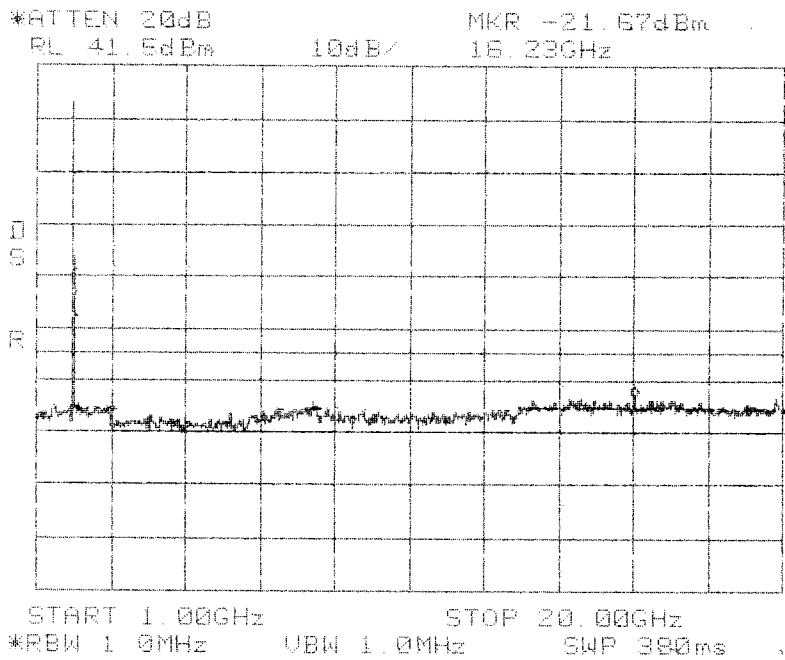
**Intermodulation
Close
Lower
GSM
PCS 1900 MHz
AD Band**



**Intermodulation
Close
Lower
GSM
PCS 1900 MHz
AD Band**

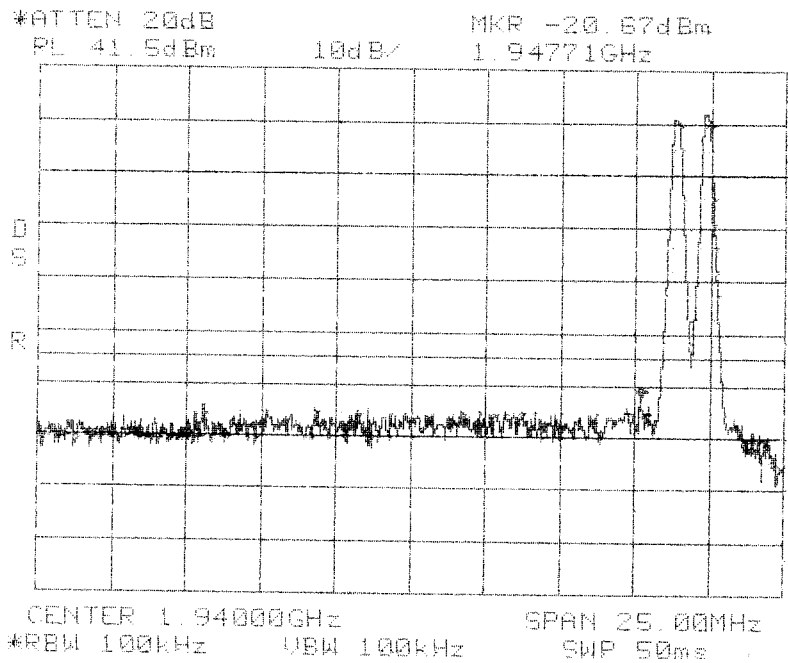
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz
RBW/VBW: 1 MHz

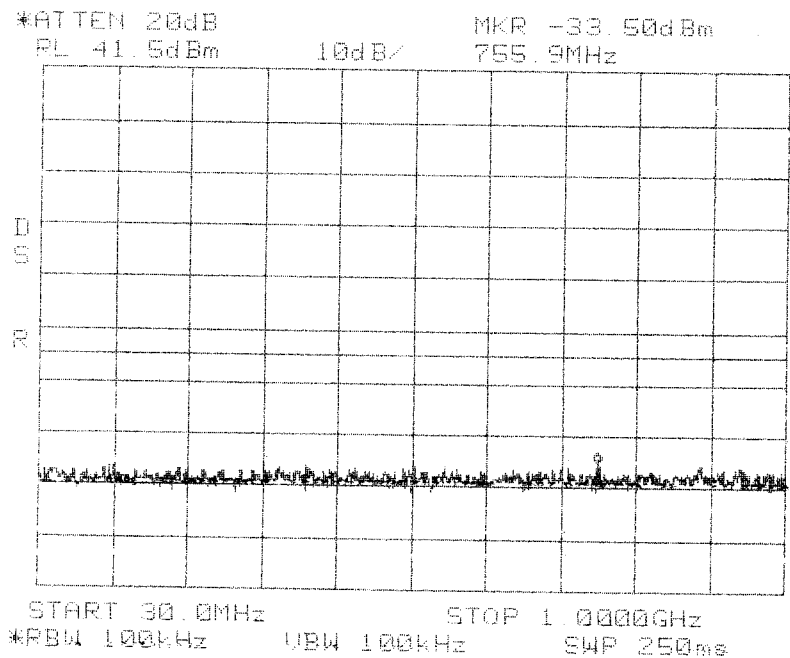


**Intermodulation
Close
Lower
GSM
PCS 1900 MHz
AD Band**

Center: 1940.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



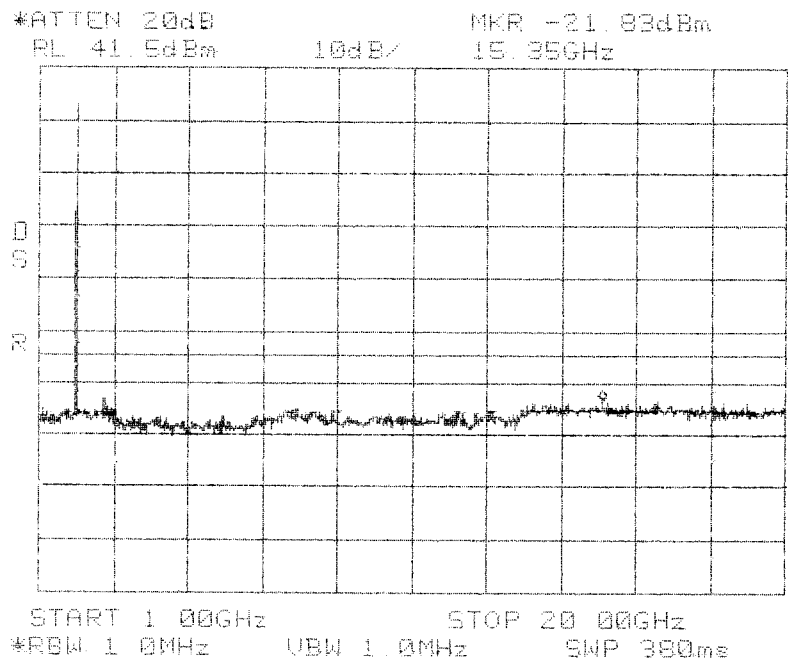
**Intermodulation
Close
Upper
GSM
PCS 1900 MHz
AD Band**



**Intermodulation
Close
Upper
GSM
PCS 1900 MHz
AD Band**

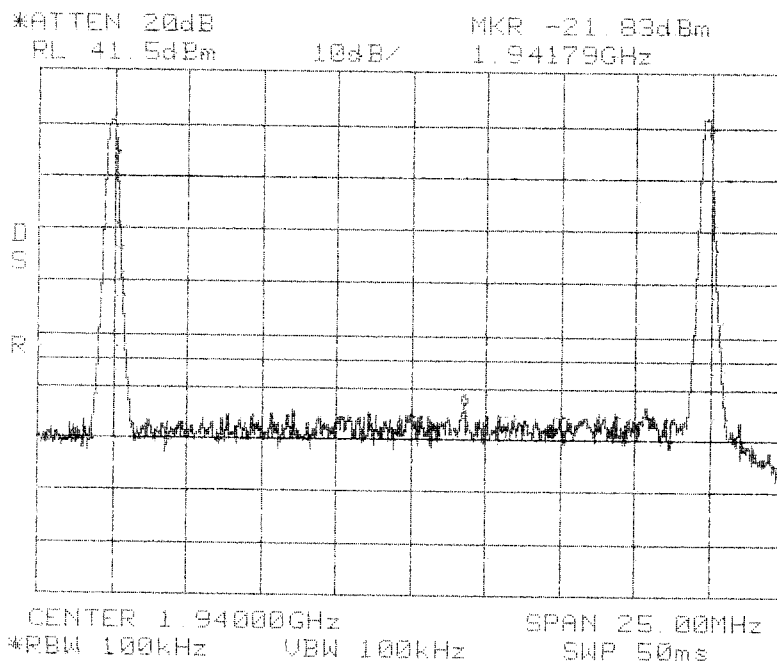
Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz
RBW/VBW: 1 MHz

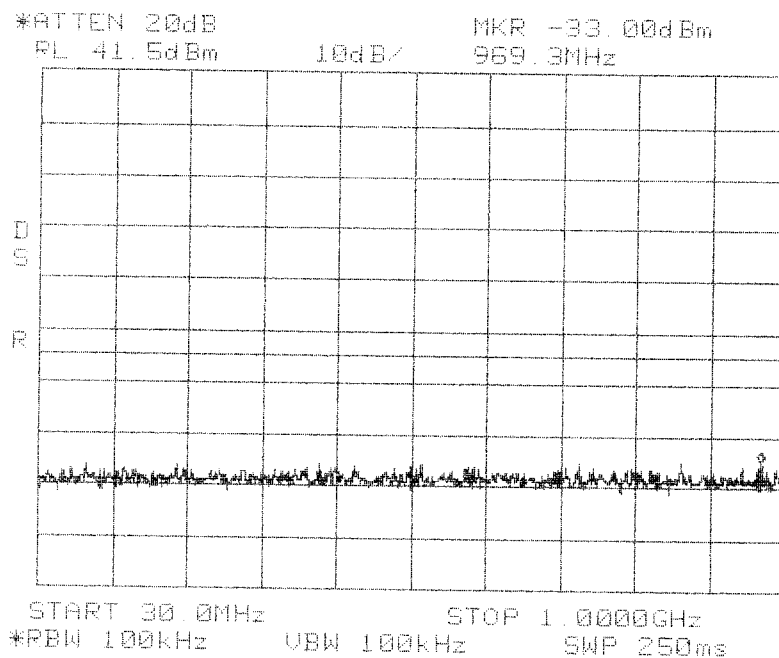


**Intermodulation
Close
Upper
GSM
PCS 1900 MHz
AD Band**

Center: 1940.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz



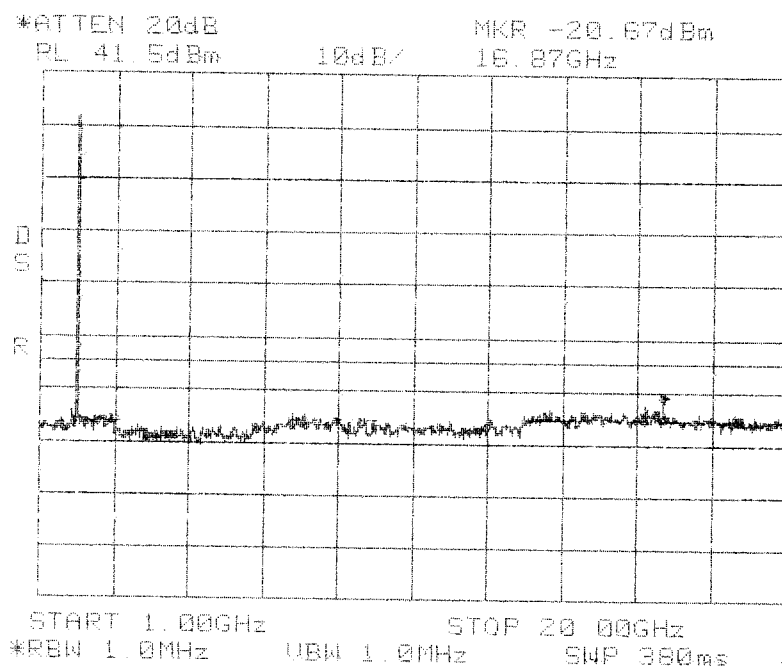
**Intermodulation
Apart
GSM
PCS 1900 MHz
AD Band**



**Intermodulation
Apart
GSM
PCS 1900 MHz
AD Band**

Span: 30 MHz to 1 GHz
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz
RBW/VBW: 1 MHz



**Intermodulation
Apart
GSM
PCS 1900 MHz
AD Band**