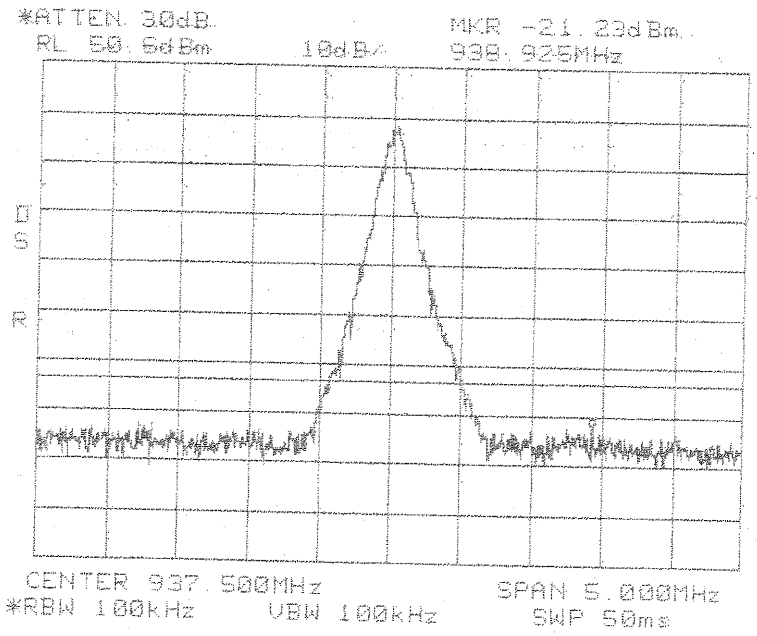
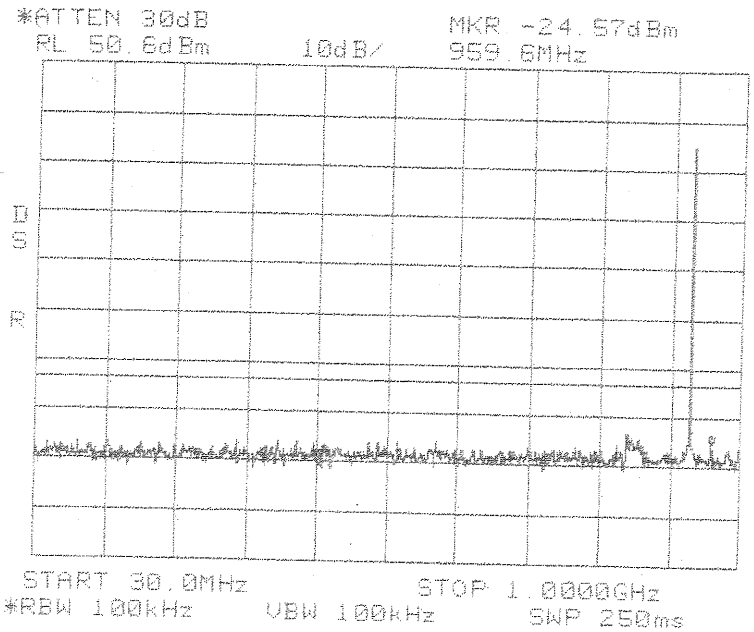
Center: 937.5 MHz
Span: 5 MHz



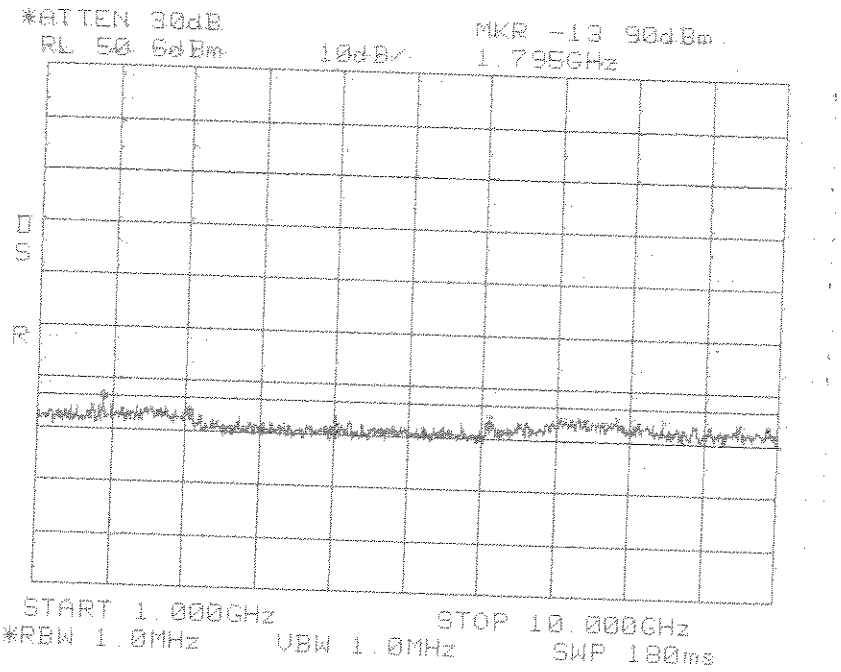
Conducted Emissions
16QAM
SMR 900 MHz



Conducted Emissions
16QAM
SMR 900 MHz

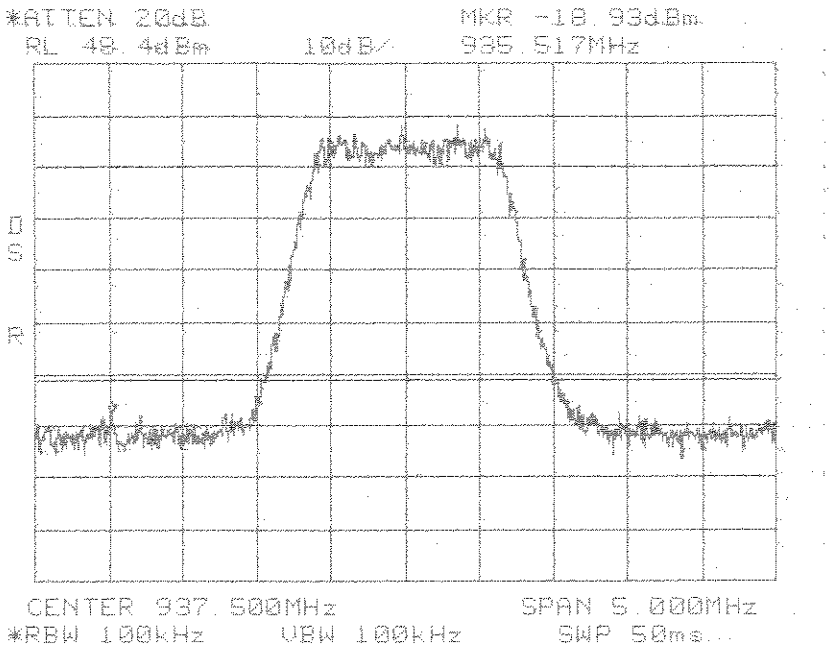
Span: 30 MHz to 1 GHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

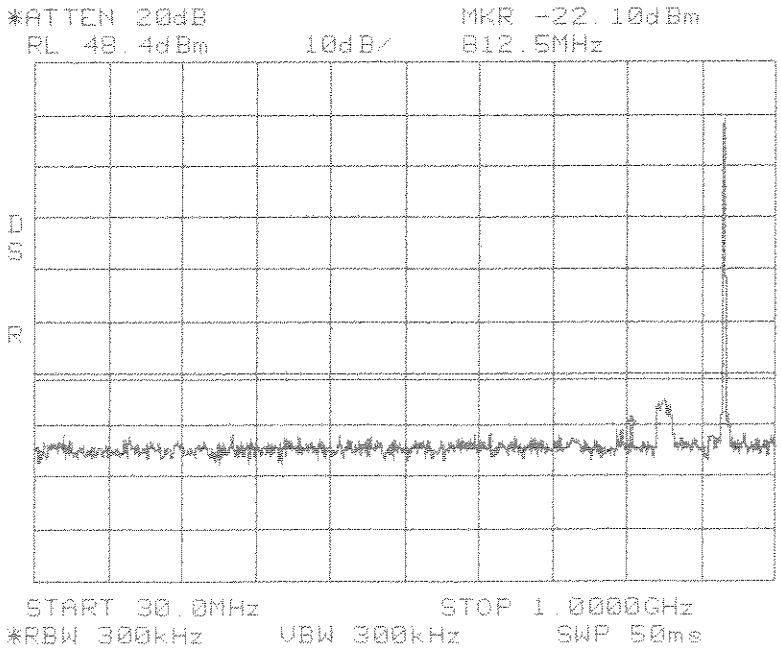


Conducted Emissions
16QAM
SMR 900 MHz

Center: 937.5 MHz
Span: 5 MHz
RBW/VBW: 100 kHz



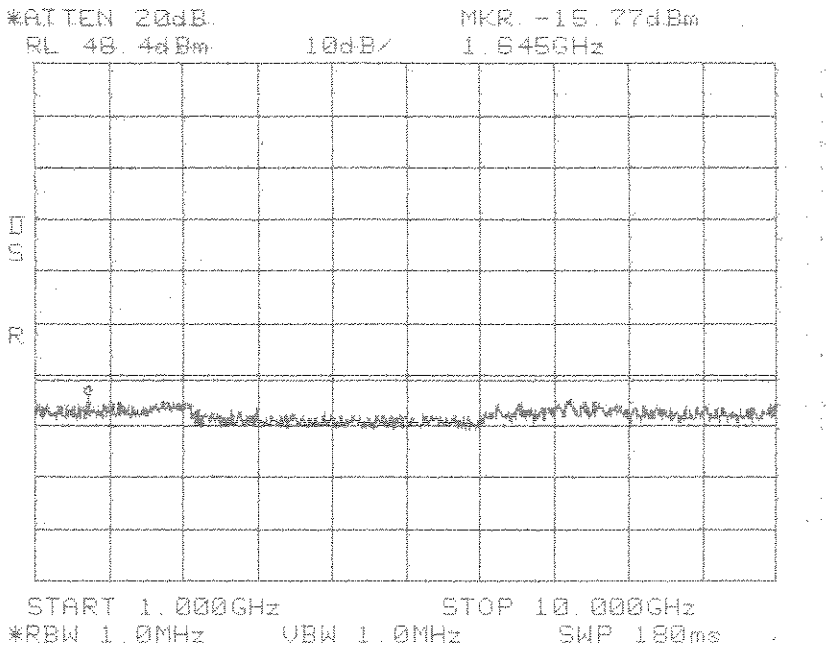
Conducted Emissions
CDMA
SMR 900 MHz



Conducted Emissions
CDMA
SMR 900 MHz

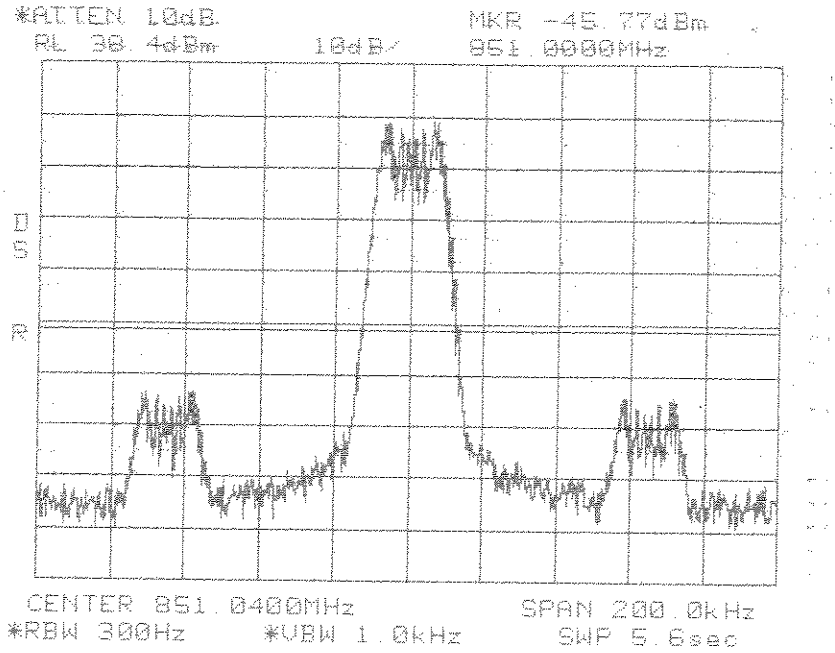
Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

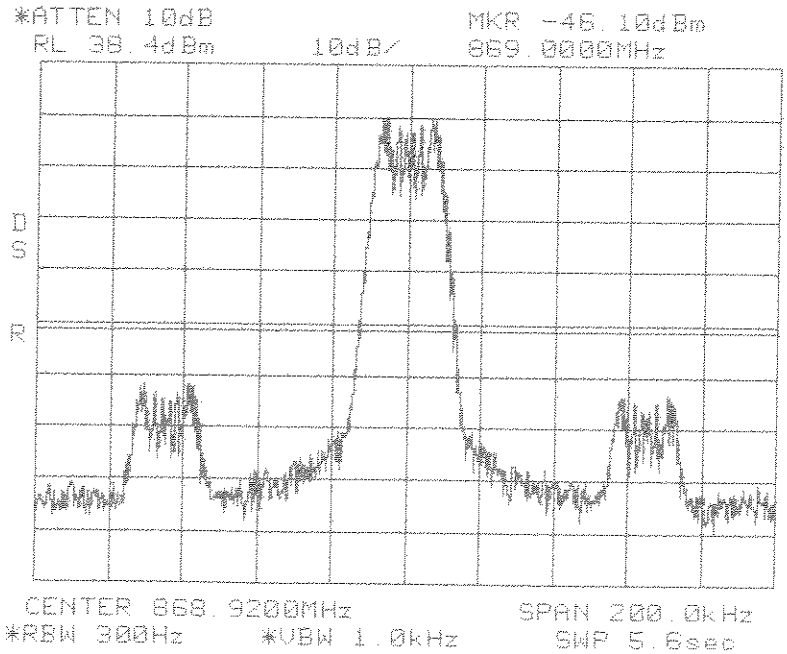


Conducted Emissions
CDMA
SMR 900 MHz

Center: 851.04 MHz
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz



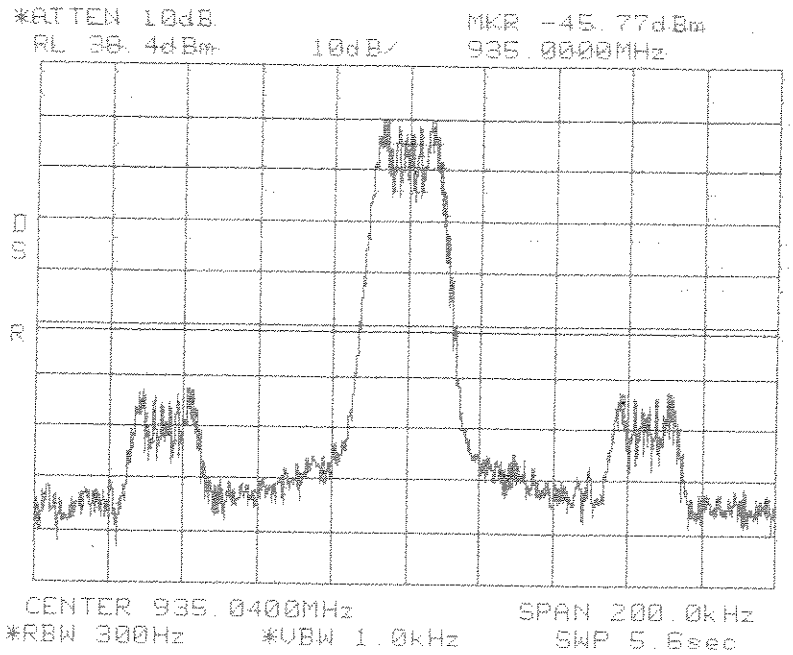
Band Edge
FM



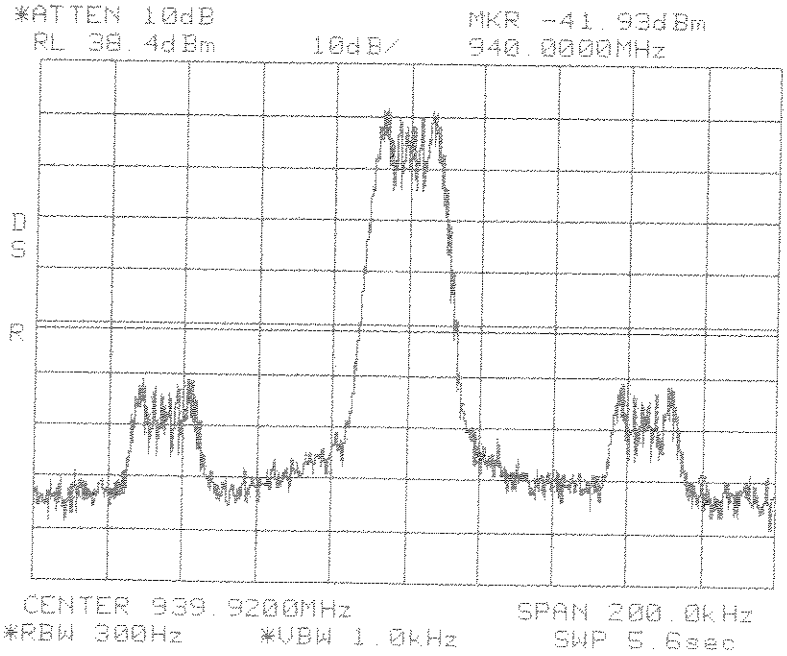
Band Edge
FM

Center: 868.92 MHz
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz

Center: 935.04 MHz
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz



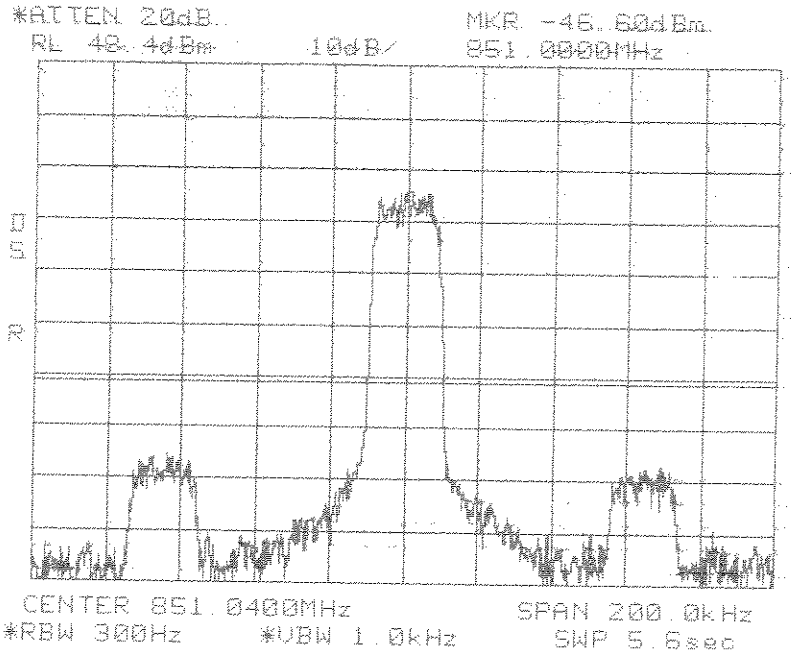
Band Edge
FM



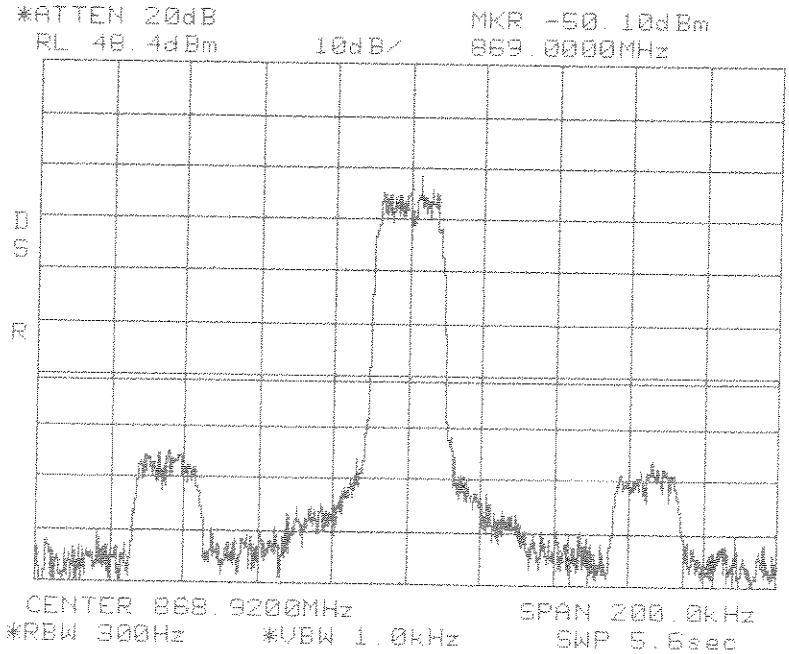
Band Edge
FM

Center: 939.92 MHz
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz

Center: 851.04
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz



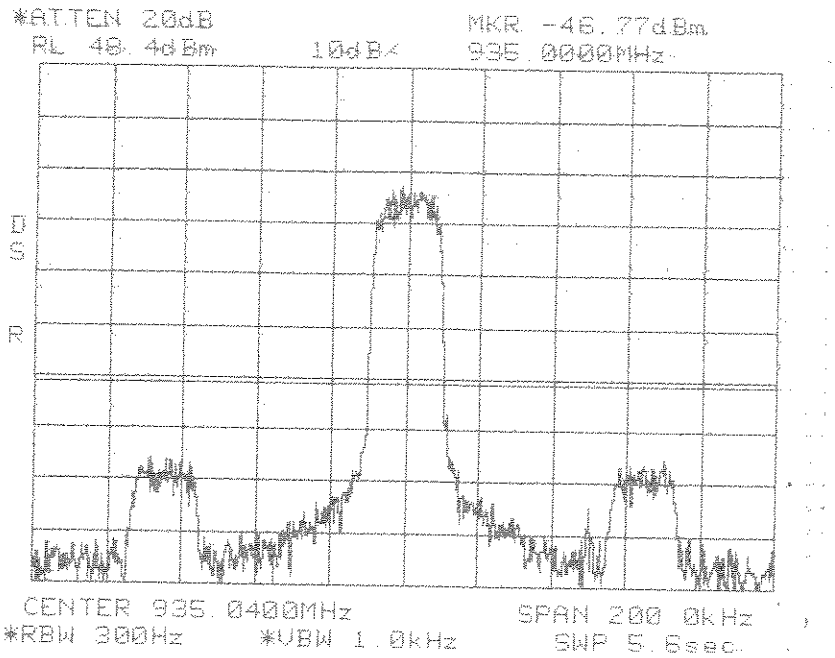
Band Edge
16QAM



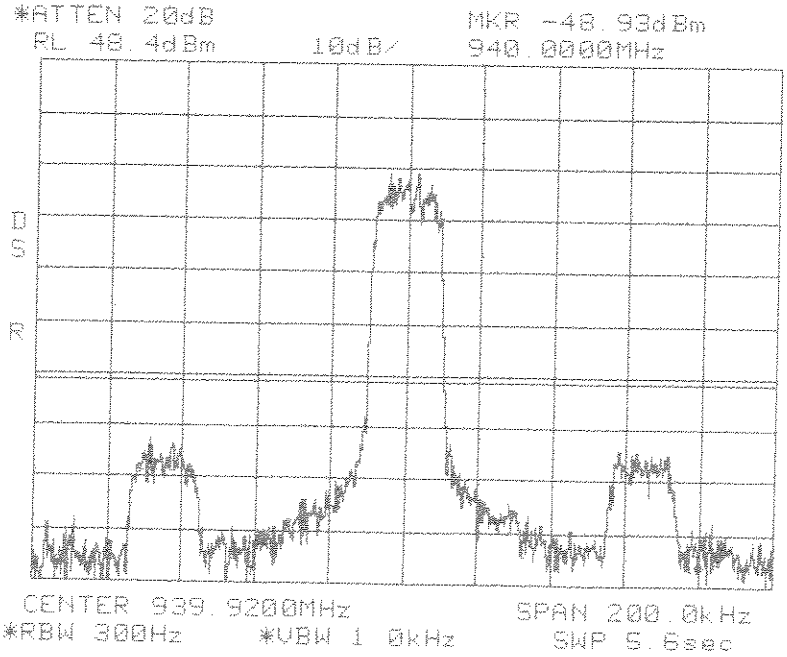
Band Edge
16QAM

Center: 868.92 MHz
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz

Center: 935.04
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz



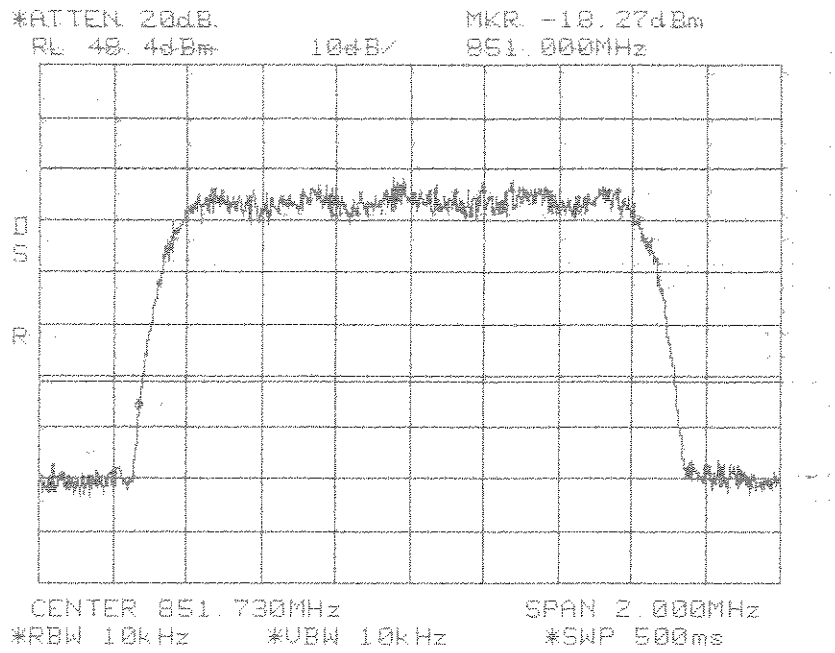
Band Edge
16QAM



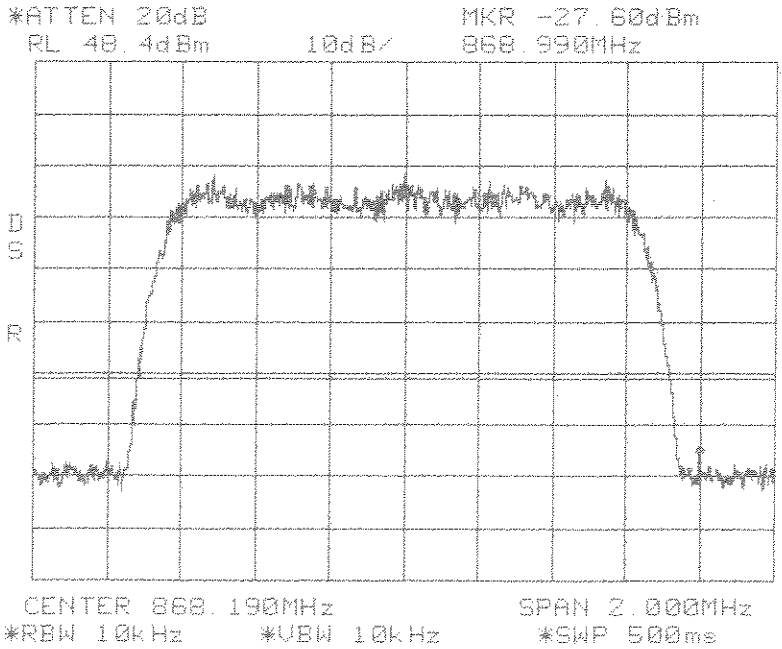
Band Edge
16QAM

Center: 939.92 MHz
Span: 200 kHz
RBW: 300 Hz
VBW: 1 kHz

Center: 851.73
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



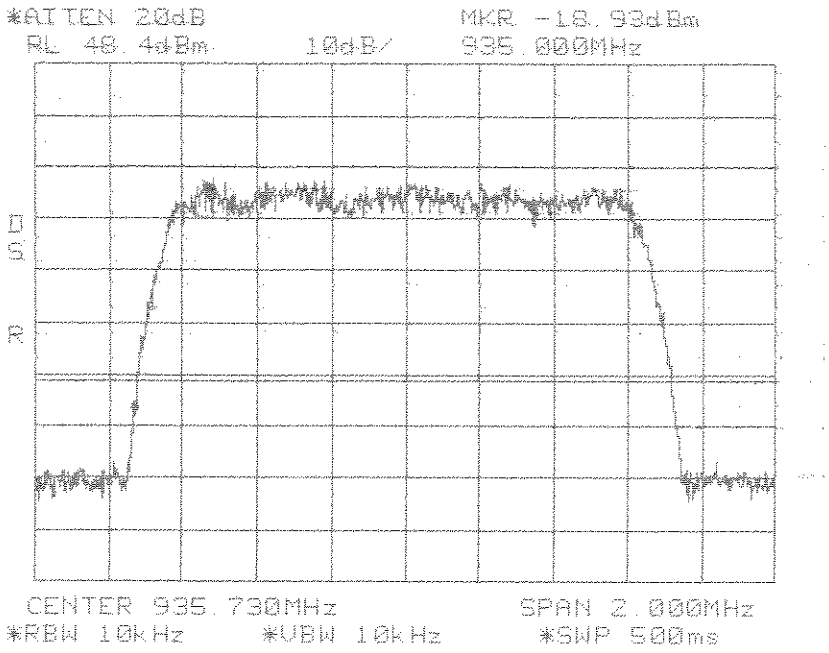
Band Edge
CDMA



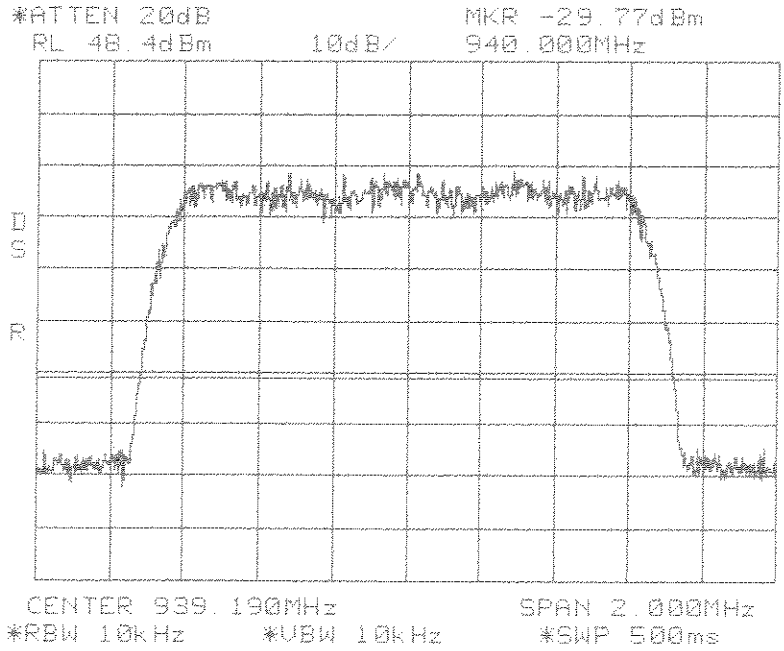
Band Edge
CDMA

Center: 868.19 MHz
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz

Center: 935.73
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



Band Edge
CDMA



Band Edge
CDMA

Center: 939.19 MHz
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz

Conducted Emission Limits Test for ADC Inc.
Digivance® Street Coverage Solution
Model Number DGVC-901X4X1X200SYS

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. Test signals used are TDMA, GSM, CDMA, EVDO, and W-CDMA. The different signals were input one at a time to the EUT. In all cases, the out of band emissions were less than –13dBm from the equation

(19dBm – [43 + 10log(0.08W)])

Band edge compliance is also demonstrated using a TDMA, GSM, and CDMA signal at the upper and lower limits of the band.

The Host unit connects directly to the BTS via coax. The Host unit does not connect to an antenna or amplifier, thus it is a Part 15 device and has been tested and is compliant as such. No FCC ID is necessary.

Industry practice has generally set the input signal power level. Test signal used was ≈ -40 dBm input to the Host unit.
Industry practice has generally set the output signal power level.

Host Unit:
Range: 24 - 48 VDC
Tested @: 48 VDC
Tested @: 1.25 A

Remote Unit:
Range: 115-230 VAC
Tested @: 120 VAC
Tested @: 4.2 A

Application details for 2.1033(c)(10), and 2.1033(c)(13):

The input to the host unit has a digital attenuation chip (ALC) to provide protection from overdrive with 5-10 millisecond attack time / 100 millisecond decay time and 31 dB of head room, such that single channel operation, or multi-channel operation will not exceed nominal gain of the system.

The frequency stability is derived by the BTS, base transceiver station. This product uses internal frequency stability to keep the signal inside our filter bandwidths. This means that the frequency can change, but the frequency that transmits is still at the original frequency. The remote system uses the data over the fiber optic path to phase/frequency lock to the host. The purpose is to frequency lock the up- and down-conversion local oscillators, and thereby eliminate any end-to-end frequency shift.

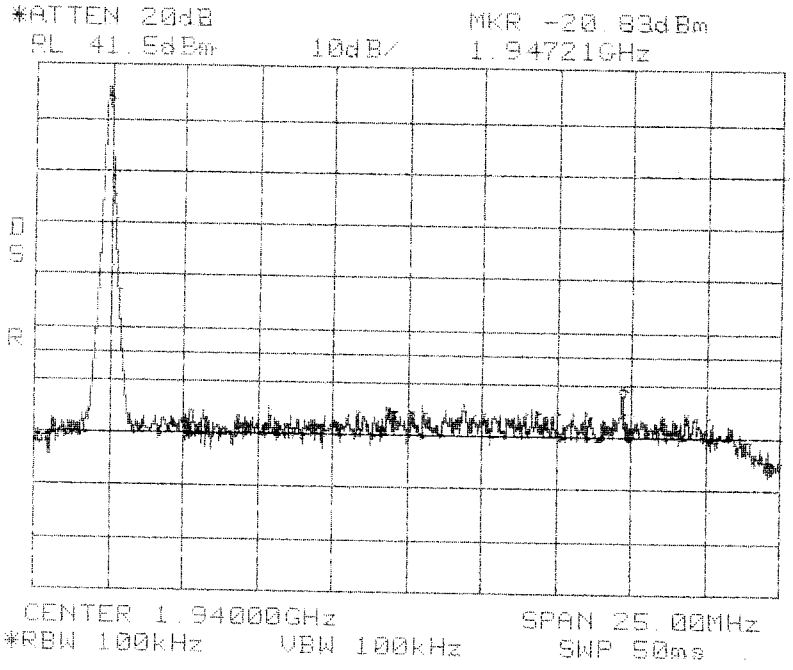
The spurious limitation is completed with the duplexer. The ALC also suppresses in-band spurious by preventing PA overdrive, while the duplexer suppresses out-of-band spurious. Internal to the electronics, the use of SAW filters provides for higher Q roll-off at band edges.

This equipment does not modulate the RF, so there is no modulation limiter. This equipment does not change the modulation of the RF or the occupied bandwidth of any channel. It transports the signal, as is, over an optical link. The RF input is not changed in the RF output.

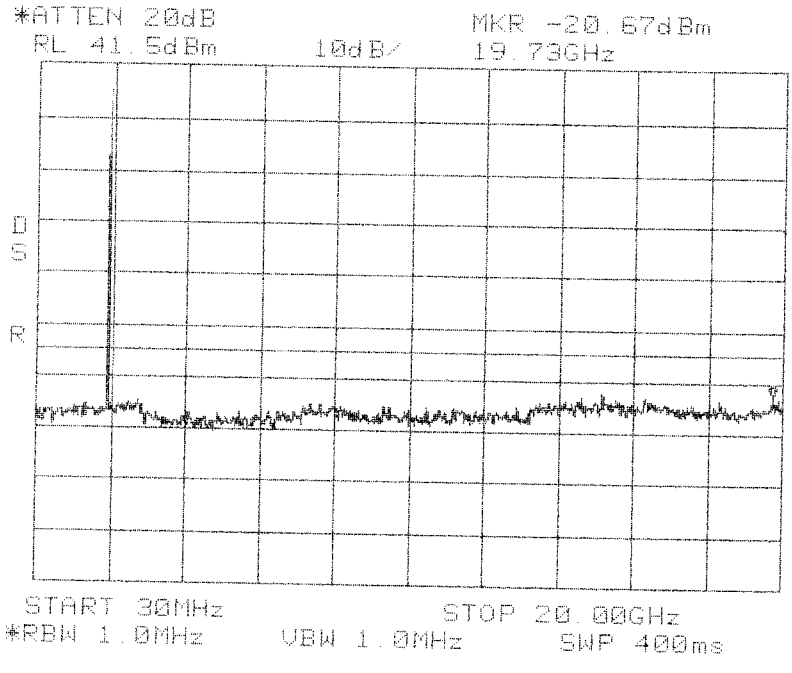
This is a constant gain device, so the setup controls the output. There is an overdrive and overpower limit control that prevents excess power.

Results:
Pass (See plots)

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



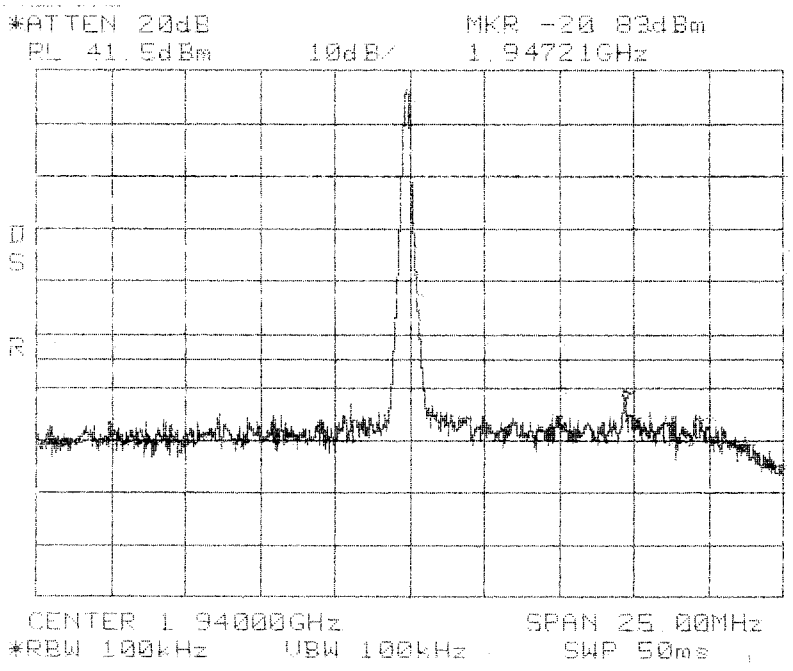
Conducted Emissions
Low
PCS 1900 MHz
AD Band



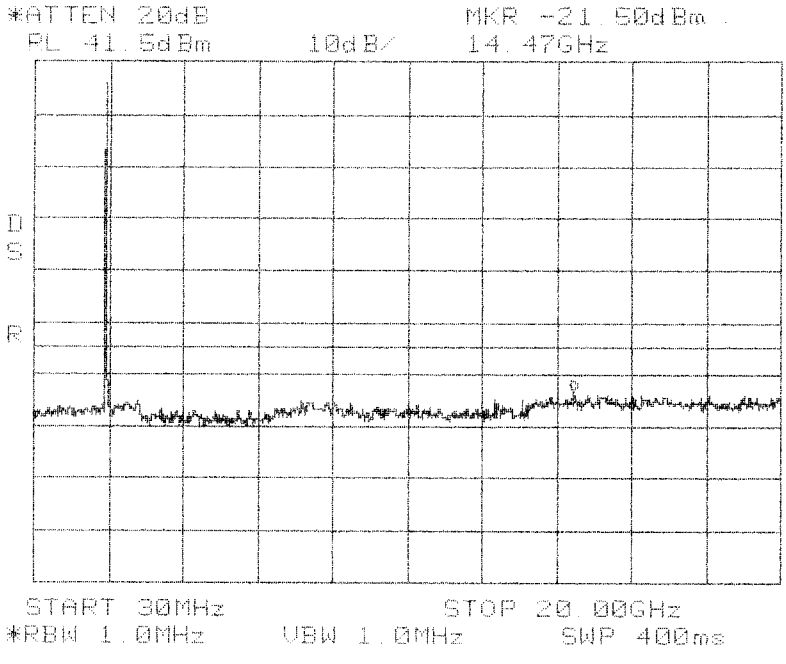
Conducted Emissions
Low
PCS 1900 MHz
AD Band

Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

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



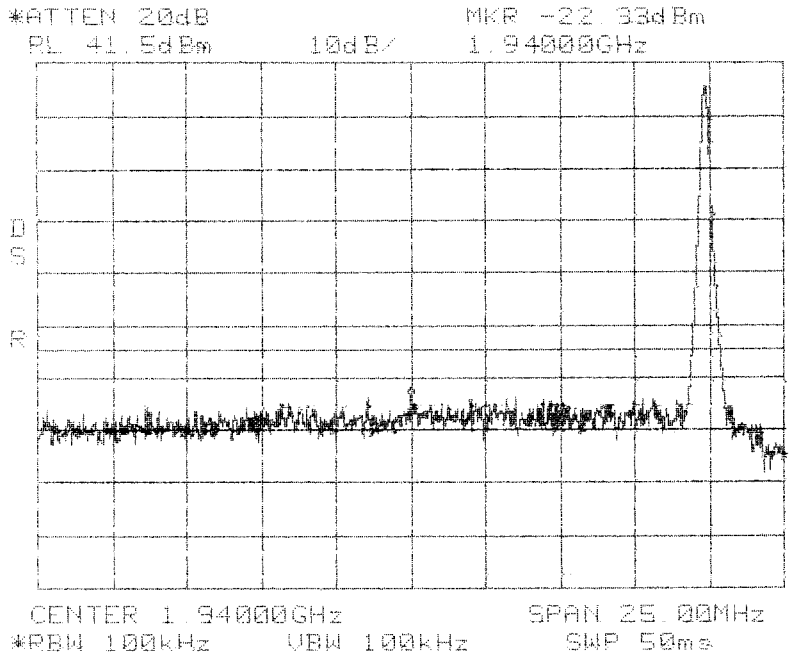
Conducted Emissions
Mid
PCS 1900 MHz
AD Band



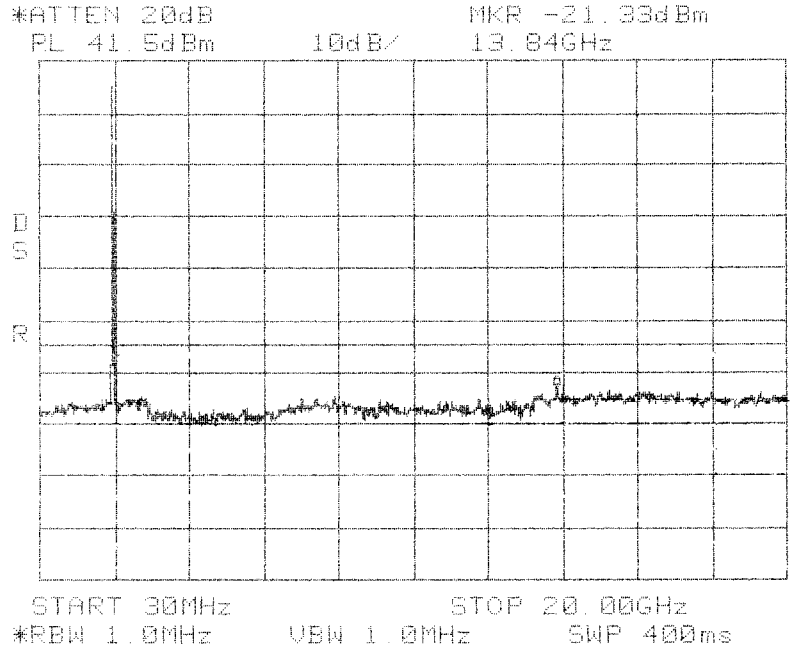
Conducted Emissions
Mid
PCS 1900 MHz
AD Band

Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

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



Conducted Emissions
High
PCS 1900 MHz
AD Band

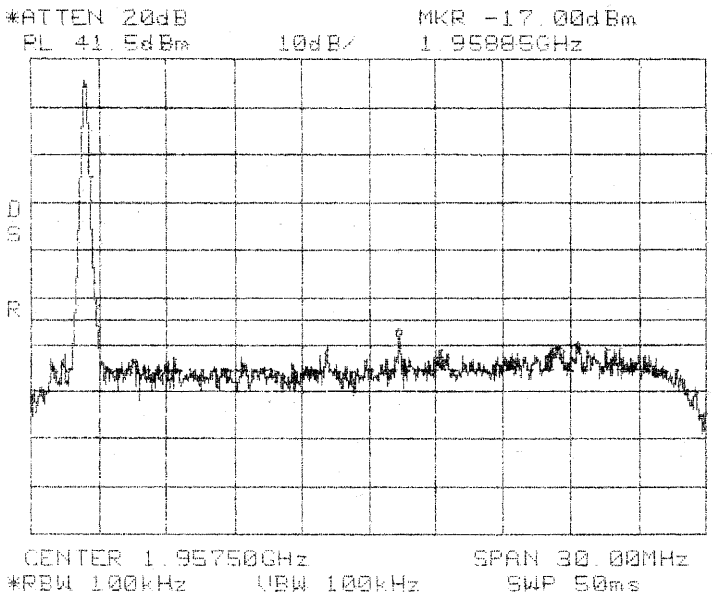


Conducted Emissions
High
PCS 1900 MHz
AD Band

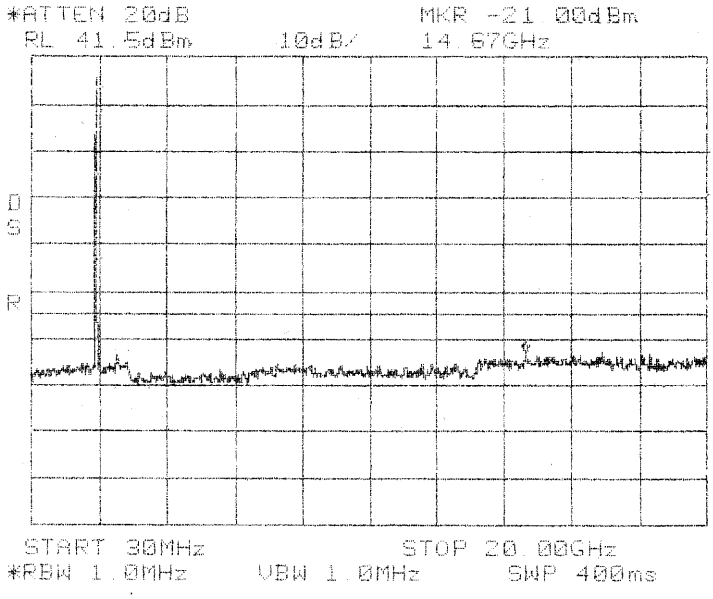
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1957.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
Low
PCS 1900 MHz
DBE Band

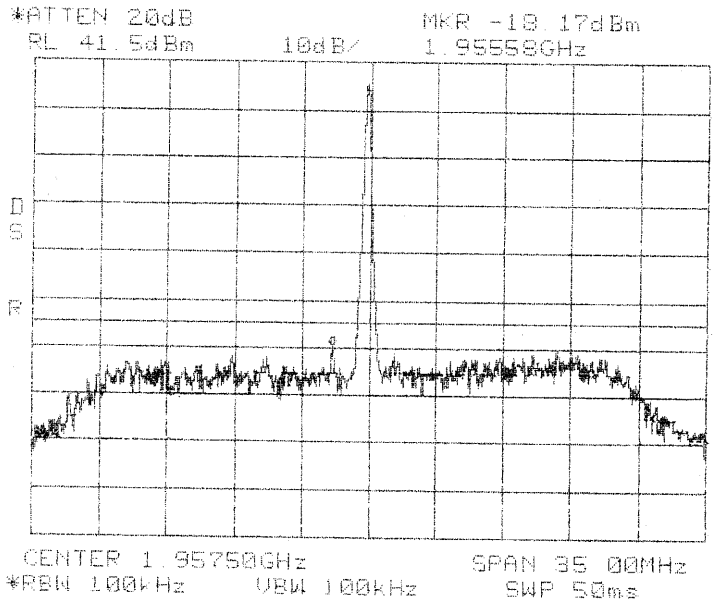


Conducted Emissions
Low
PCS 1900 MHz
DBE Band

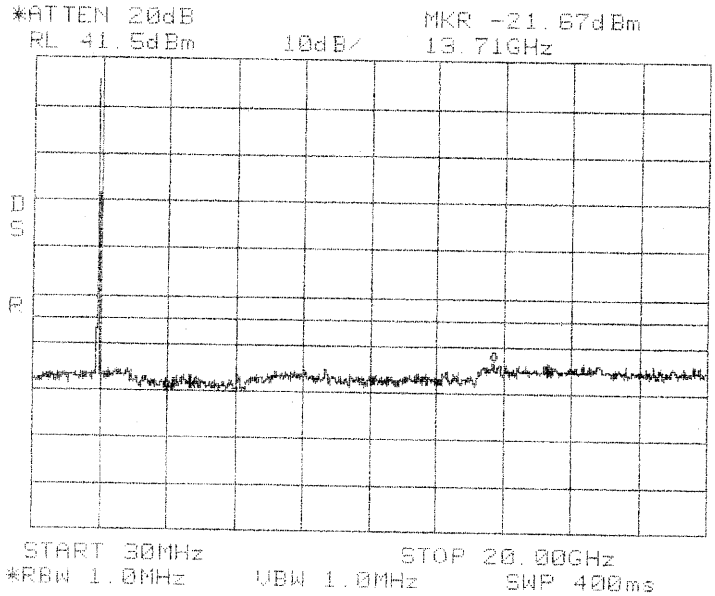
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1957.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
Mid
PCS 1900 MHz
DBE Band

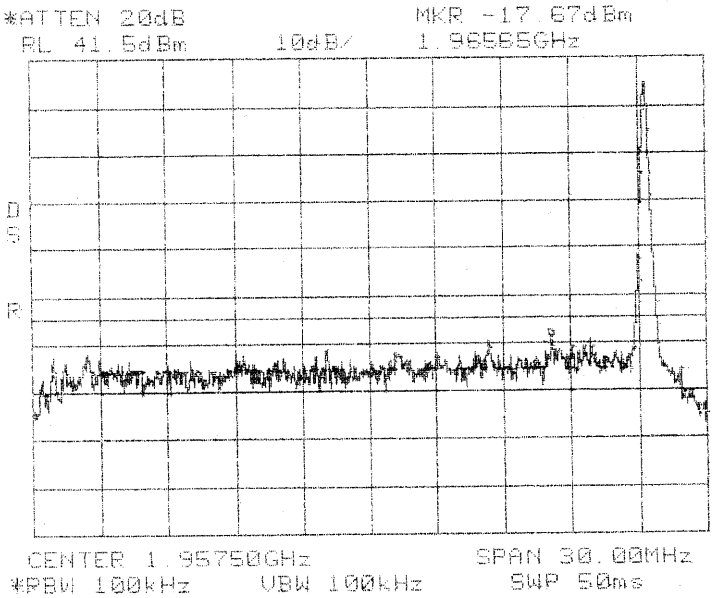


Conducted Emissions
Mid
PCS 1900 MHz
DBE Band

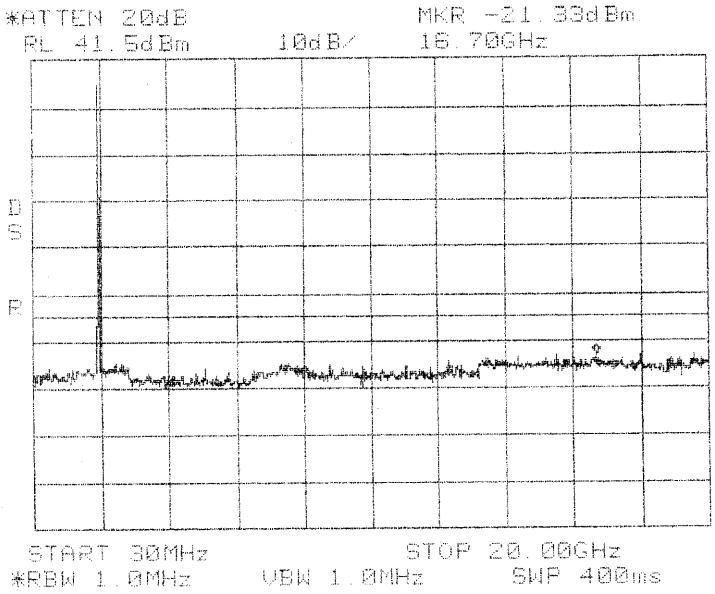
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1957.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
High
PCS 1900 MHz
DBE Band

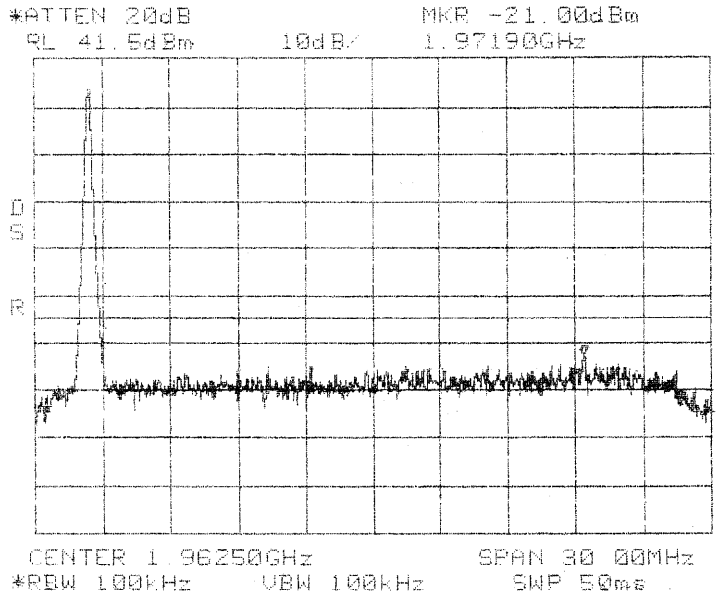


Conducted Emissions
High
PCS 1900 MHz
DBE Band

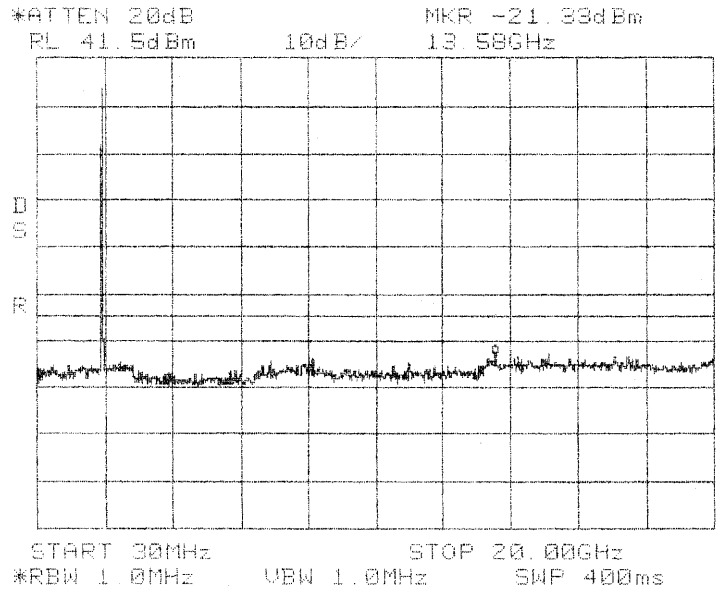
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1962.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
Low
PCS 1900 MHz
BEF Band

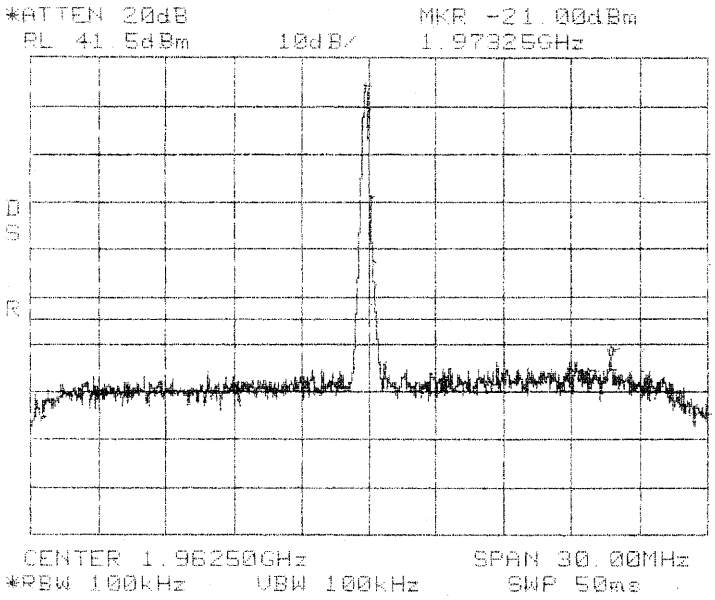


Conducted Emissions
Low
PCS 1900 MHz
BEF Band

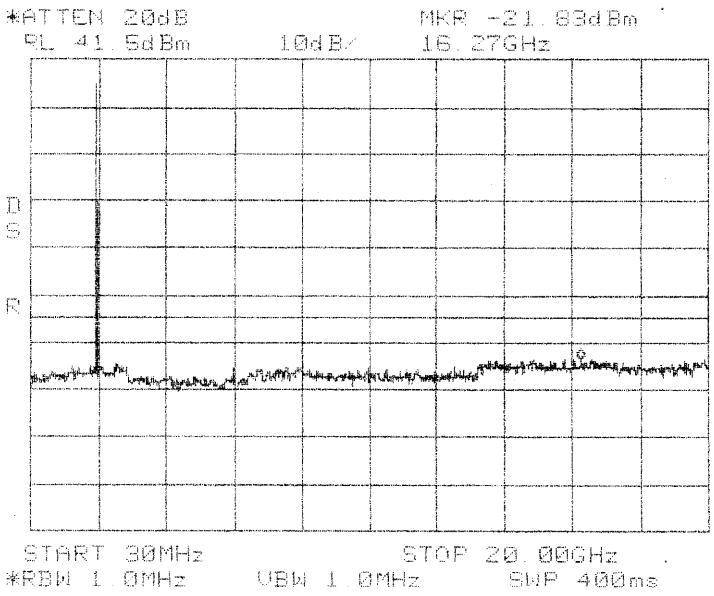
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1962.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
Mid
PCS 1900 MHz
BEF Band

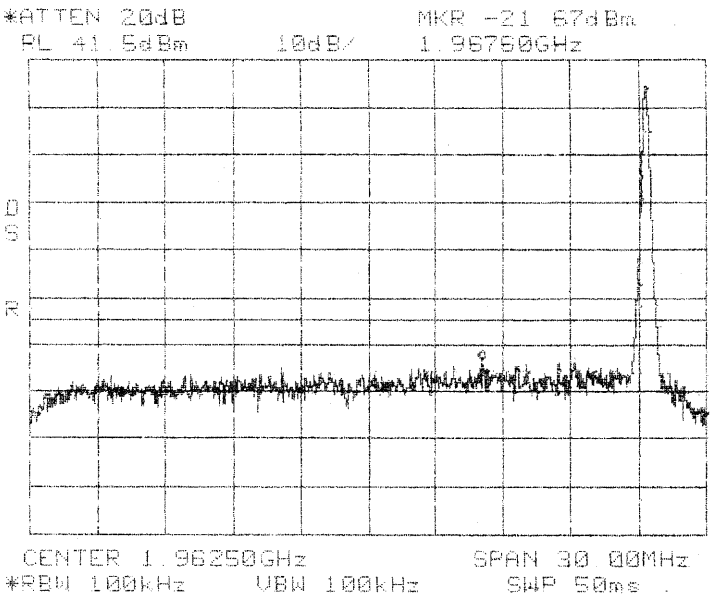


Conducted Emissions
Mid
PCS 1900 MHz
BEF Band

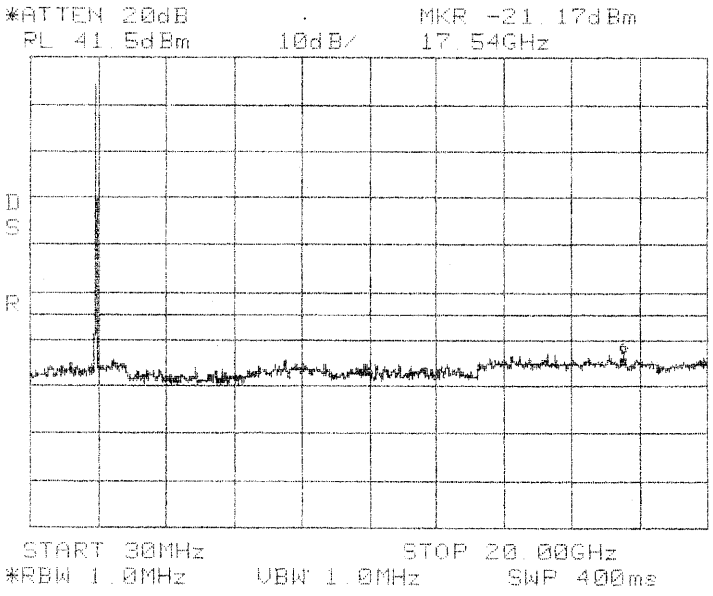
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1962.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
High
PCS 1900 MHz
BEF Band

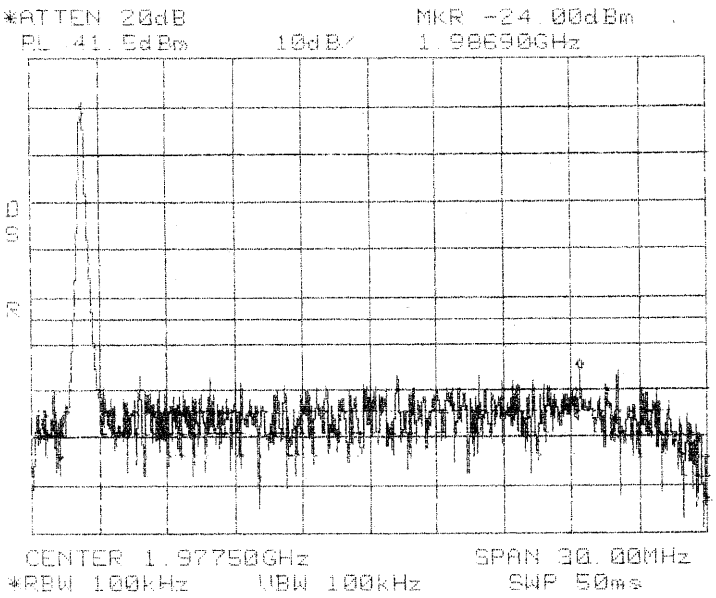


Conducted Emissions
High
PCS 1900 MHz
BEF Band

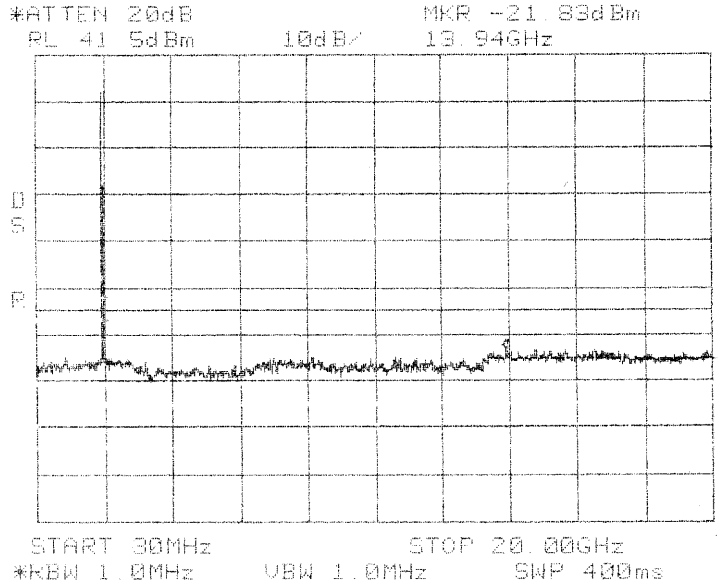
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1977.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
Low
PCS 1900 MHz
EFC Band

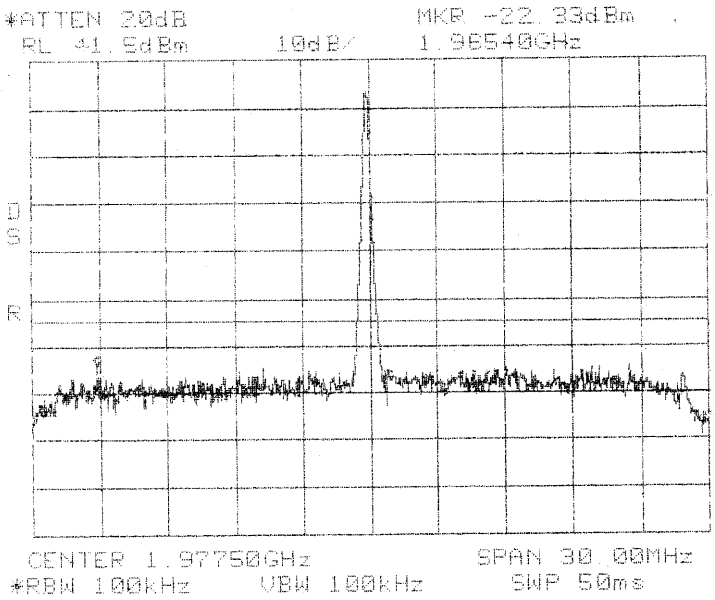


Conducted Emissions
Low
PCS 1900 MHz
EFC Band

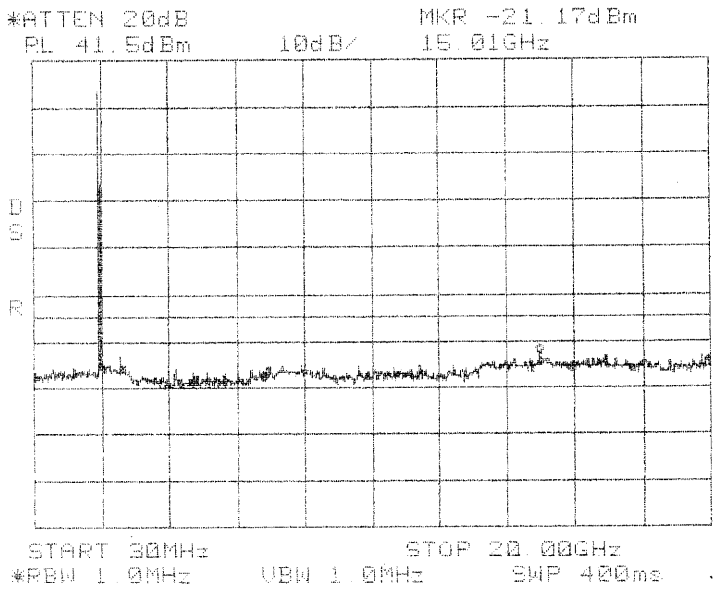
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1977.5 MHz

RBW/VBW: 100 kHz



Conducted Emissions
Mid
PCS 1900 MHz
EFC Band

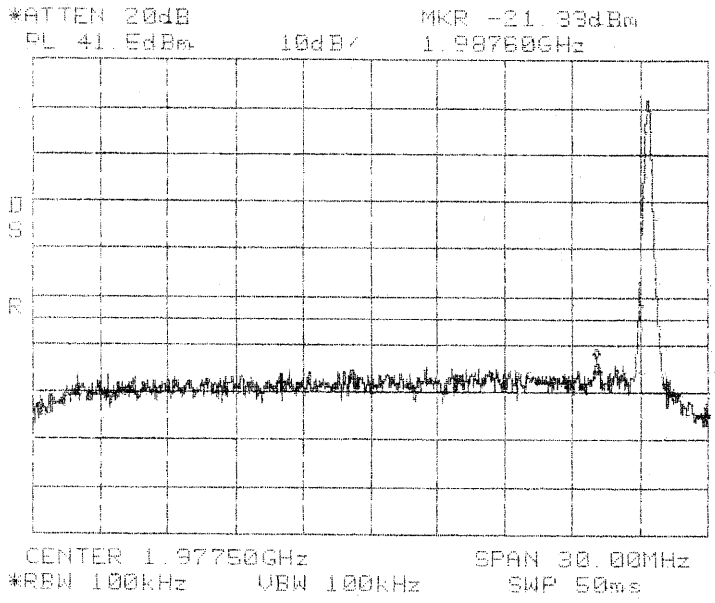


Conducted Emissions
Mid
PCS 1900 MHz
EFC Band

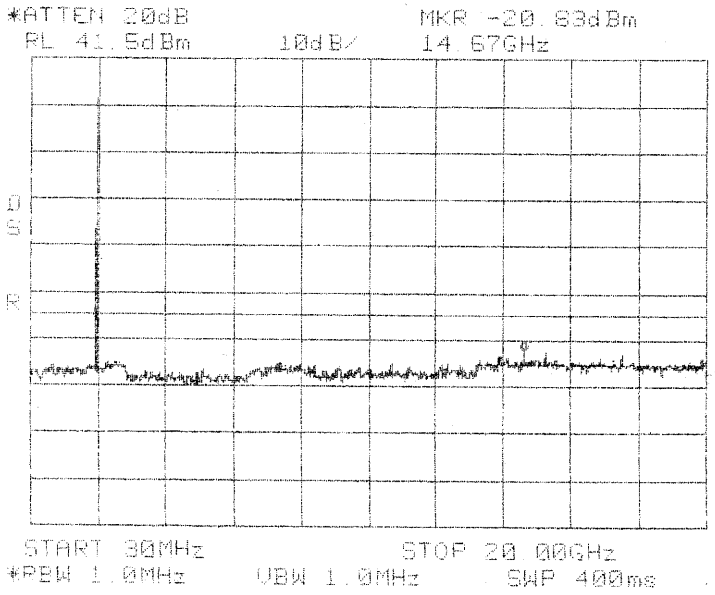
Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1977.5 MHz

RBW/VBW: 100 kHz



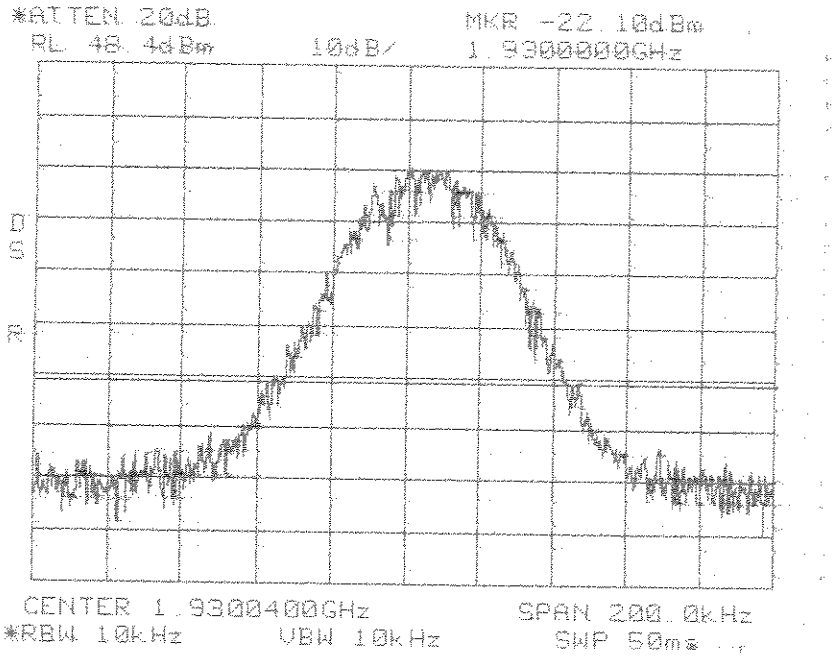
Conducted Emissions
High
PCS 1900 MHz
EFC Band



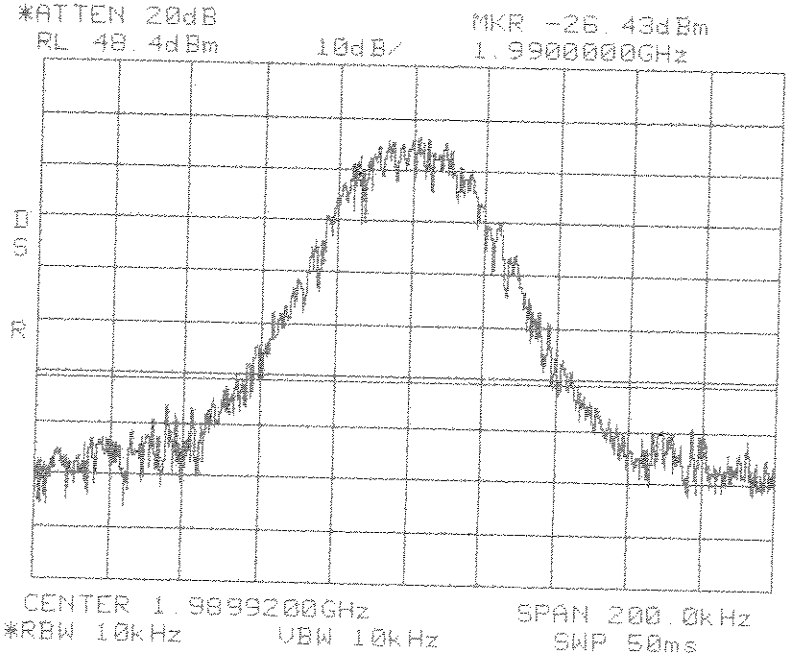
Conducted Emissions
High
PCS 1900 MHz
EFC Band

Span: 30 MHz to 20 GHz
RBW/VBW: 1 MHz

Center: 1930.04
Span: 200 kHz
RBW: 10 kHz
VBW: 10 kHz



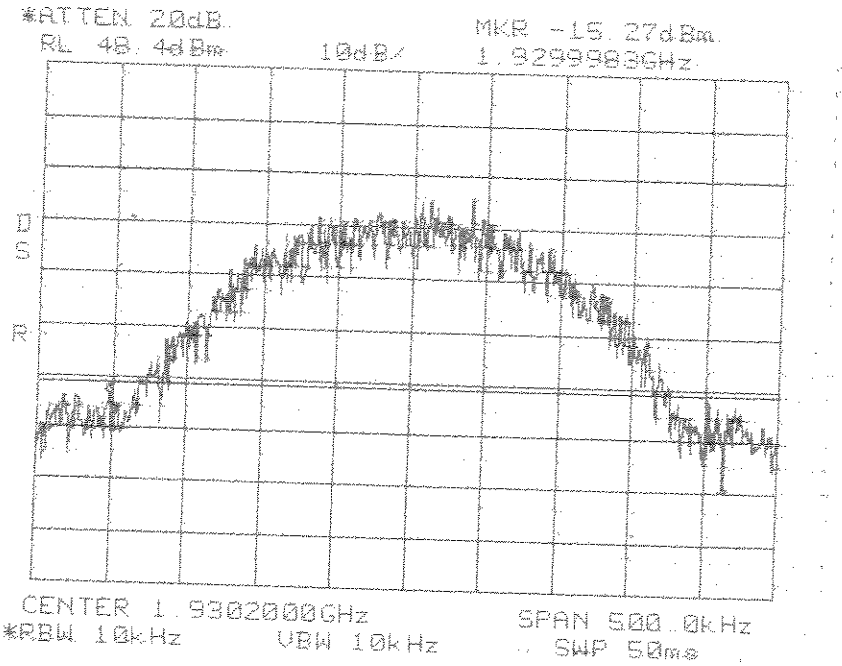
Band Edge
TDMA



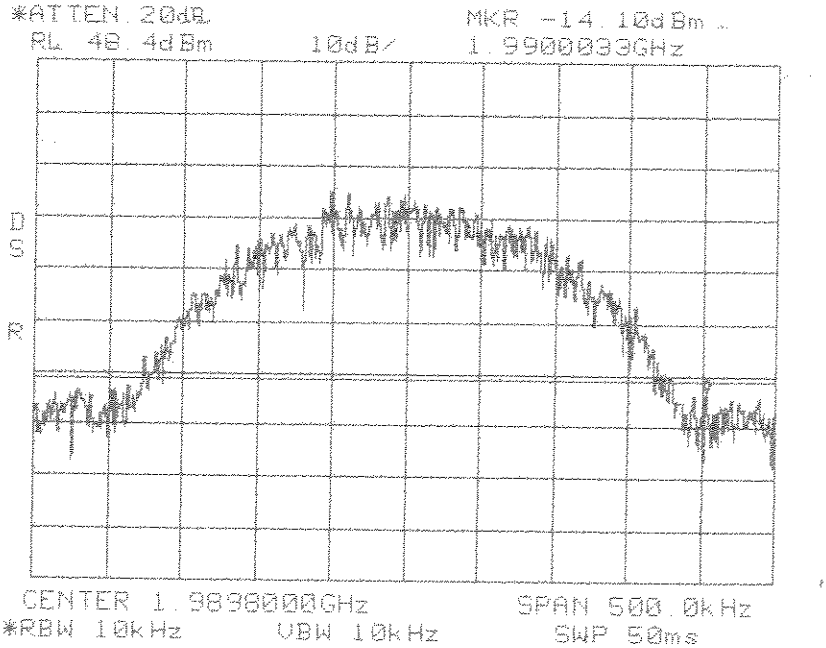
Band Edge
TDMA

Center: 1989.92 MHz
Span: 200 kHz
RBW: 10 kHz
VBW: 10 kHz

Center: 1930.20
Span: 500 kHz
RBW: 10 kHz
VBW: 10 kHz



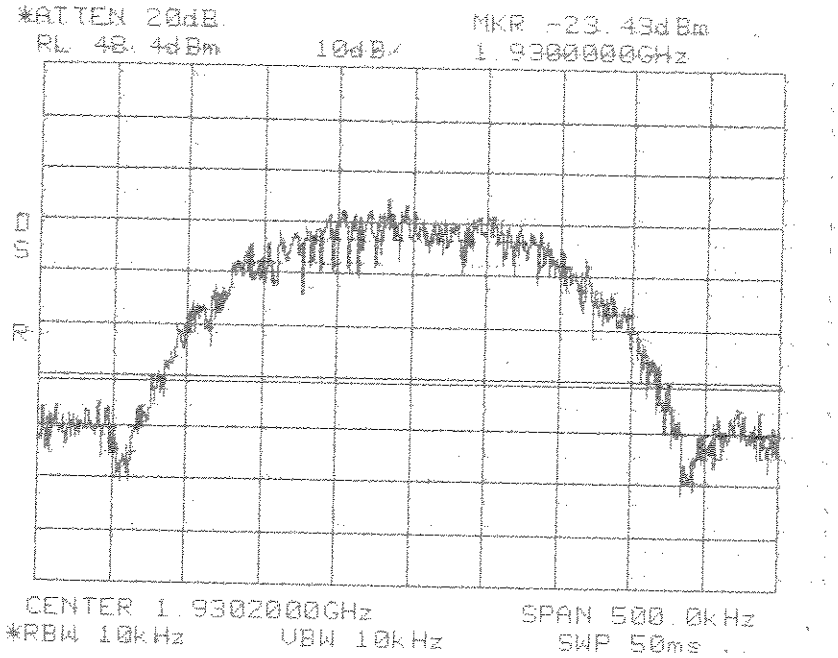
Band Edge
GSM



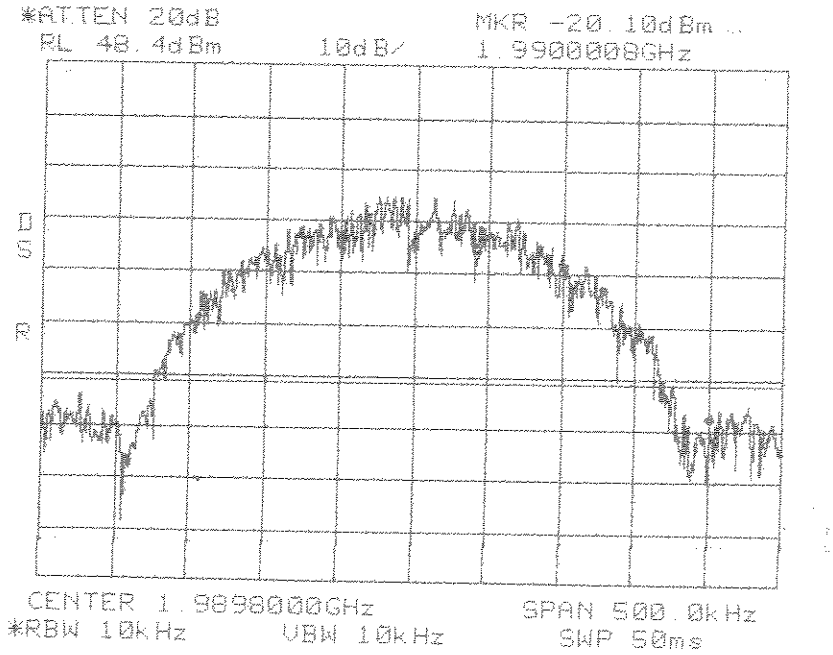
Band Edge
GSM

Center: 1989.80 MHz
Span: 500 kHz
RBW: 10 kHz
VBW: 10 kHz

Center: 1930.20
Span: 500 kHz
RBW: 10 kHz
VBW: 10 kHz



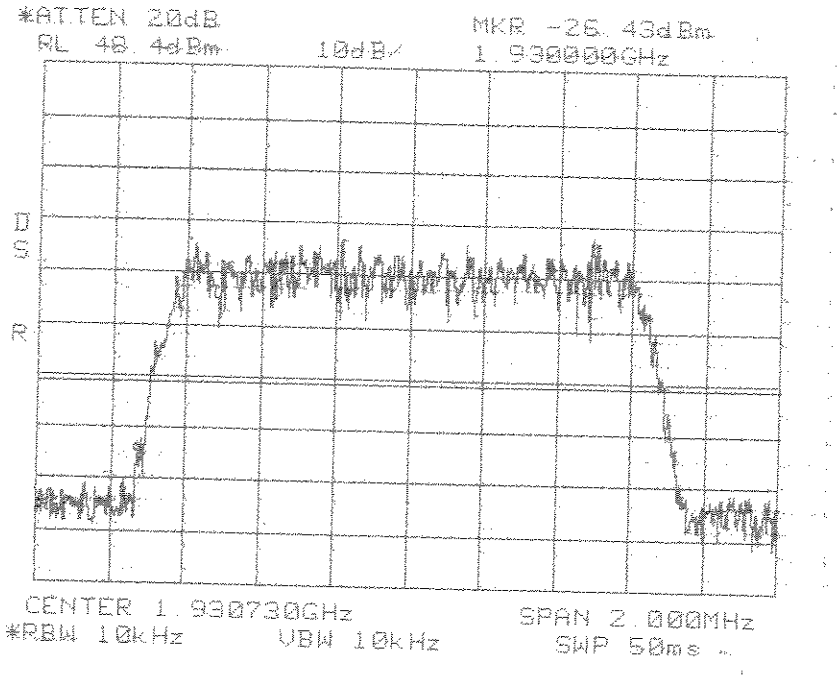
Band Edge
EDGE



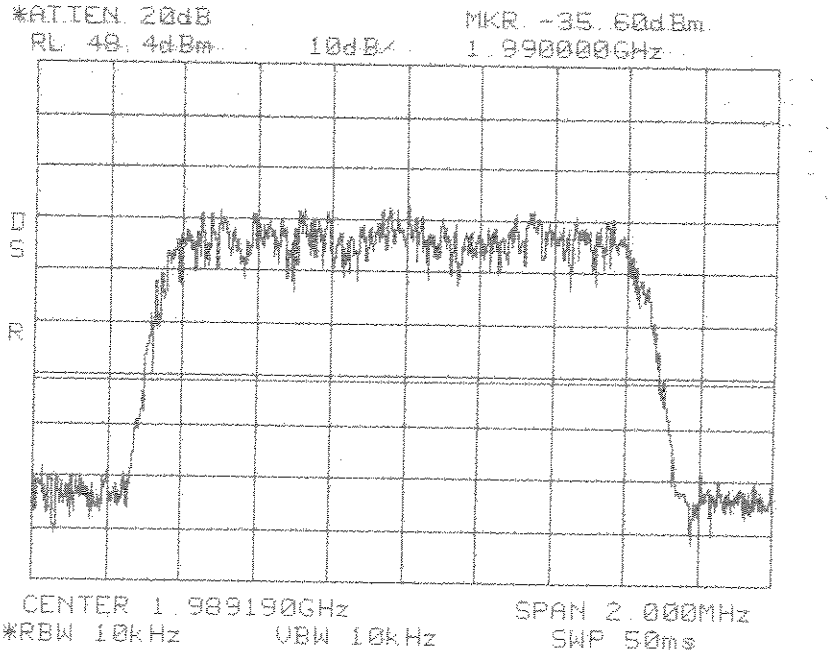
Band Edge
EDGE

Center: 1989.80 MHz
Span: 500 kHz
RBW: 10 kHz
VBW: 10 kHz

Center: 1930.73
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



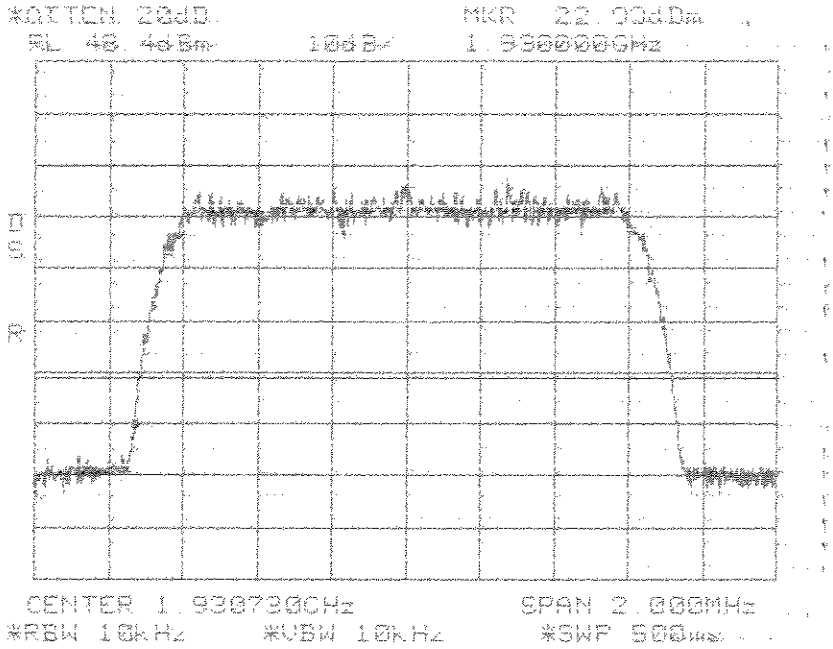
Band Edge
CDMA



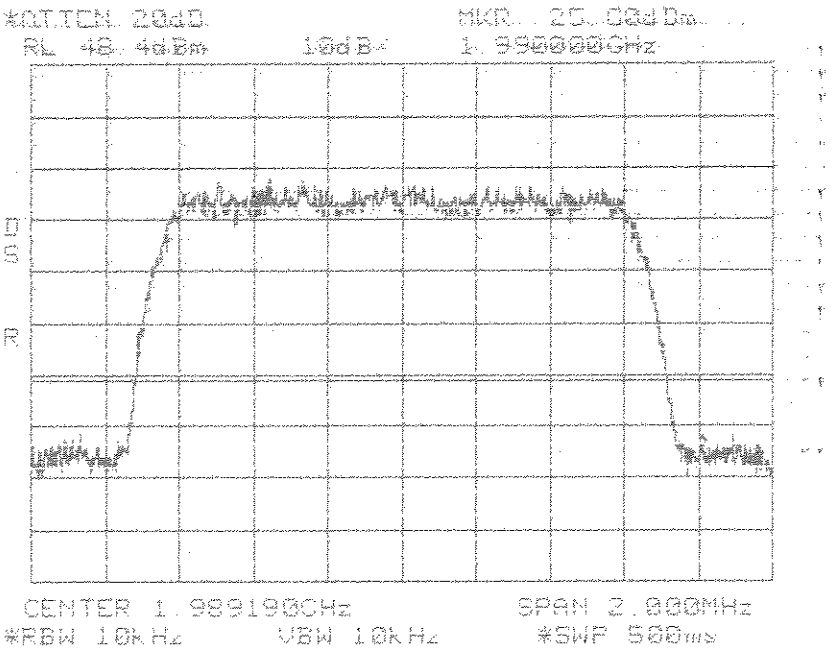
Band Edge
CDMA

Center: 1989.19 MHz
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz

Center: 1930.73
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



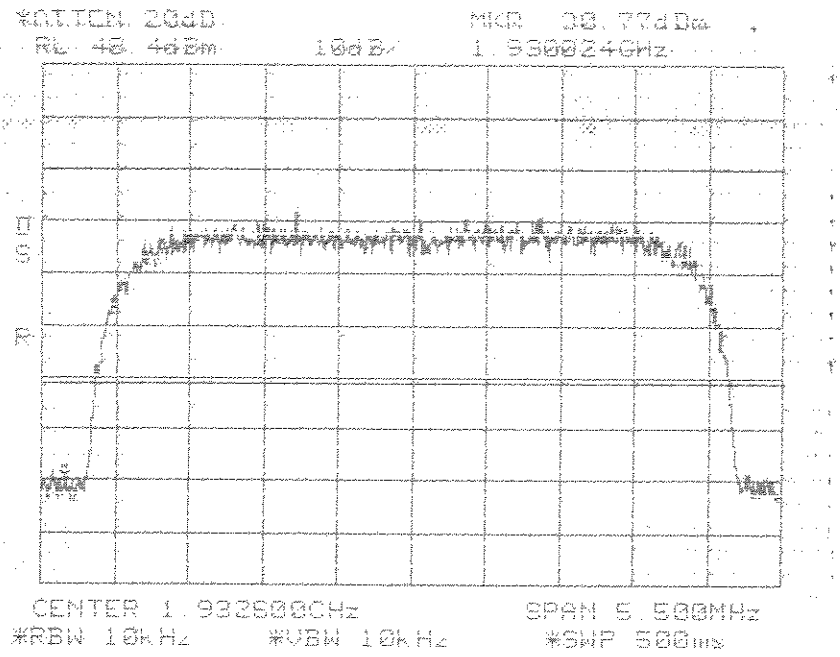
Band Edge
EVDO



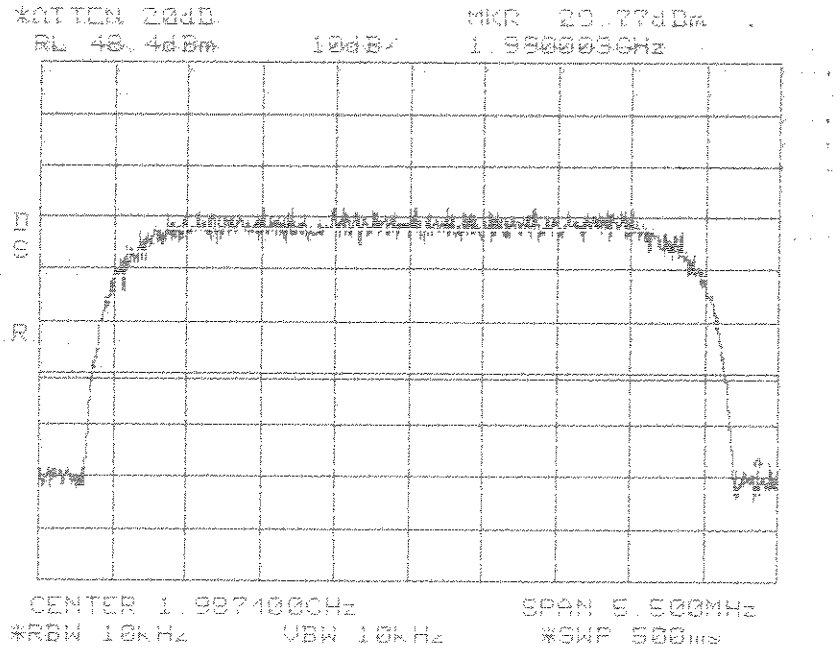
Band Edge
EVDO

Center: 1989.19 MHz
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz

Center: 1932.60
Span: 5.5 MHz
RBW: 10 kHz
VBW: 10 kHz



Band Edge
W-CDMA



Band Edge
W-CDMA

Center: 1987.40 MHz
Span: 5.5 MHz
RBW: 10 kHz
VBW: 10 kHz

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

Freq. (MHz)	Final (dBuV/m)	Matches Sig Gen Level (dBm)	Cable Loss (dB)	Dipole Ant. Gain (dB)	Matches 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
937.5	67.5	107.91	-40.41	0.090991
935	63.8	107.91	-44.11	0.038815
426.003	61.94	107.91	-45.97	0.025293
851	61.23	107.91	-46.68	0.021478

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	1 of 9

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 = `851 MHz						
1.065 GHz	58.8 Pk	2.83 / 25.06 / 49.22 / 0.0	37.47	V / 1.00 / 0	-70.44	-57.44
1.136 GHz	57.35 Pk	2.93 / 25.15 / 49.55 / 0.0	35.88	V / 1.00 / 0	-72.03	-59.03
1.207 GHz	64.9 Pk	3.01 / 25.25 / 49.62 / 0.0	43.54	V / 1.00 / 0	-64.37	-51.37
1.278 GHz	49.3 Pk	3.1 / 25.34 / 49.25 / 0.0	28.49	V / 1.00 / 0	-79.42	-66.42
1.349 GHz	62.45 Pk	3.18 / 25.44 / 49.37 / 0.0	41.69	V / 1.00 / 0	-66.22	-53.22
1.42 GHz	46.9 Pk	3.3 / 25.53 / 49.65 / 0.0	26.08	V / 1.00 / 0	-81.83	-68.83
1.491 GHz	55.55 Pk	3.42 / 25.63 / 49.8 / 0.0	34.8	V / 1.00 / 0	-73.11	-60.11
1.562 GHz	55.95 Pk	3.49 / 25.94 / 49.62 / 0.0	35.76	V / 1.00 / 0	-72.15	-59.15
1.633 GHz	45.45 Pk	3.55 / 26.28 / 49.58 / 0.0	25.69	V / 1.00 / 0	-82.22	-69.22
1.704 GHz	48.9 Pk	3.62 / 26.62 / 49.76 / 0.0	29.38	V / 1.00 / 0	-78.53	-65.53
1.846 GHz	57.25 Pk	3.83 / 27.3 / 49.79 / 0.0	38.58	V / 1.00 / 0	-69.33	-56.33
1.917 GHz	53.1 Pk	3.88 / 27.64 / 49.91 / 0.0	34.71	V / 1.00 / 0	-73.2	-60.2
1.988 GHz	47.85 Pk	3.9 / 27.98 / 49.65 / 0.0	30.07	V / 1.00 / 0	-77.84	-64.84
2.13 GHz	55.85 Pk	3.97 / 28.2 / 49.41 / 0.0	38.62	V / 1.00 / 0	-69.29	-56.29
2.414 GHz	42.65 Pk	4.31 / 28.58 / 49.36 / 0.0	26.18	V / 1.00 / 0	-81.73	-68.73
2.698 GHz	42.2 Pk	4.48 / 29.23 / 48.26 / 0.0	27.65	V / 1.00 / 0	-80.26	-67.26
2.84 GHz	50.1 Pk	4.6 / 29.61 / 48.37 / 0.0	35.94	V / 1.00 / 0	-71.97	-58.97
2.982 GHz	49.8 Pk	4.74 / 30.0 / 48.19 / 0.0	36.35	V / 1.00 / 0	-71.56	-58.56
3.55 GHz	38.7 Pk	5.38 / 31.24 / 47.17 / 0.0	28.16	V / 1.00 / 0	-79.75	-66.75
3.55 GHz	41.95 Pk	5.38 / 31.24 / 47.16 / 0.0	31.41	V / 1.00 / 0	-76.5	-63.5
3.916 GHz	50.2 Pk	5.75 / 32.17 / 46.5 / 0.0	41.63	V / 1.00 / 0	-66.28	-53.28
4.544 GHz	39.2 Pk	6.15 / 32.37 / 45.32 / 0.0	32.4	V / 1.00 / 0	-75.51	-62.51
4.544 GHz	46.85 Pk	6.15 / 32.37 / 45.32 / 0.0	40.05	V / 1.00 / 0	-67.86	-54.86
4.686 GHz	45.1 Pk	6.24 / 32.66 / 45.39 / 0.0	38.61	V / 1.00 / 0	-69.3	-56.3
4.686 GHz	40.55 Pk	6.24 / 32.66 / 45.39 / 0.0	34.06	V / 1.00 / 0	-73.85	-60.85

Tested by: Michael Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	2 of 9

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
4.828 GHz	42.2 Pk	6.35 / 32.95 / 45.15 / 0.0	36.34	V / 1.00 / 0	-71.57	-58.57
4.97 GHz	45.2 Pk	6.47 / 33.24 / 44.7 / 0.0	40.21	V / 1.00 / 0	-67.7	-54.7
5.112 GHz	45.6 Pk	6.57 / 33.47 / 44.66 / 0.0	40.98	V / 1.00 / 0	-66.93	-53.93
5.396 GHz	41.55 Pk	6.74 / 33.92 / 44.76 / 0.0	37.44	V / 1.00 / 0	-70.47	-57.47
5.68 GHz	32.6 Pk	6.91 / 34.18 / 45.3 / 0.0	28.39	V / 1.00 / 0	-79.52	-66.52
5.68 GHz	42.35 Pk	6.91 / 34.18 / 45.3 / 0.0	38.14	V / 1.00 / 0	-69.77	-56.77
5.964 GHz	37.3 Pk	7.08 / 34.34 / 45.51 / 0.0	33.2	V / 1.00 / 0	-74.71	-61.71
7.104 GHz	44.9 Pk	8.1 / 35.62 / 45.73 / 0.0	42.89	V / 1.00 / 0	-65.02	-52.02
7.832 GHz	44.1 Pk	8.27 / 36.57 / 45.8 / 0.0	43.14	V / 1.00 / 0	-64.77	-51.77
1.278 GHz	69.9 Pk	3.1 / 25.34 / 49.25 / 0.0	49.09	V / 1.00 / 90	-58.82	-45.82
1.349 GHz	75.15 Pk	3.18 / 25.44 / 49.37 / 0.0	54.39	V / 1.00 / 90	-53.52	-40.52
1.42 GHz	58.2 Pk	3.3 / 25.53 / 49.65 / 0.0	37.38	V / 1.00 / 90	-70.53	-57.53
1.491 GHz	64.85 Pk	3.42 / 25.63 / 49.8 / 0.0	44.1	V / 1.00 / 90	-63.81	-50.81
1.562 GHz	61.65 Pk	3.49 / 25.94 / 49.62 / 0.0	41.46	V / 1.00 / 90	-66.45	-53.45
1.633 GHz	51.65 Pk	3.55 / 26.28 / 49.58 / 0.0	31.89	V / 1.00 / 90	-76.02	-63.02
1.846 GHz	68.55 Pk	3.83 / 27.3 / 49.79 / 0.0	49.88	V / 1.00 / 90	-58.03	-45.03
1.917 GHz	57.6 Pk	3.88 / 27.64 / 49.91 / 0.0	39.21	V / 1.00 / 90	-68.7	-55.7
1.988 GHz	50.5 Pk	3.9 / 27.98 / 49.65 / 0.0	32.72	V / 1.00 / 90	-75.19	-62.19
1.065 GHz	63.2 Pk	2.83 / 25.06 / 49.22 / 0.0	41.87	V / 1.00 / 180	-66.04	-53.04
1.207 GHz	66.75 Pk	3.01 / 25.25 / 49.62 / 0.0	45.39	V / 1.00 / 180	-62.52	-49.52
1.42 GHz	61.6 Pk	3.3 / 25.53 / 49.65 / 0.0	40.78	V / 1.00 / 180	-67.13	-54.13
1.704 GHz	54.9 Pk	3.62 / 26.62 / 49.76 / 0.0	35.38	V / 1.00 / 180	-72.53	-59.53
2.414 GHz	52.45 Pk	4.31 / 28.58 / 49.36 / 0.0	35.98	V / 1.00 / 180	-71.93	-58.93
2.698 GHz	51.35 Pk	4.48 / 29.23 / 48.26 / 0.0	36.8	V / 1.00 / 180	-71.11	-58.11

Tested by: Michael Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	3 of 9

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
2.84 GHz	51.1 Pk	4.6 / 29.61 / 48.37 / 0.0	36.94	V / 1.00 / 180	-70.97	-57.97
3.916 GHz	55.15 Pk	5.75 / 32.17 / 46.5 / 0.0	46.58	V / 1.00 / 180	-61.33	-48.33
5.68 GHz	50.4 Pk	6.91 / 34.18 / 45.3 / 0.0	46.19	V / 1.00 / 180	-61.72	-48.72
Maximized Vertical frequencies above 1 GHz TRX setting = 851 MHz						
1.278 GHz	72.1 Pk	3.1 / 25.34 / 49.25 / 0.0	51.29	V / 1.10 / 90	-56.62	-43.62
1.349 GHz	75.5 Pk	3.18 / 25.44 / 49.37 / 0.0	54.74	V / 1.10 / 90	-53.17	-40.17
3.916 GHz	63.15 Pk	5.75 / 32.17 / 46.5 / 0.0	54.58	V / 1.10 / 160	-53.33	-40.33
5.68 GHz	50.0 Pk	6.91 / 34.18 / 45.3 / 0.0	45.79	V / 1.10 / 180	-62.12	-49.12
2.414 GHz	57.95 Pk	4.31 / 28.58 / 49.36 / 0.0	41.48	H / 1.10 / 180	-66.43	-53.43
2.982 GHz	53.5 Pk	4.74 / 30.0 / 48.19 / 0.0	40.05	H / 1.10 / 180	-67.86	-54.86
1.56 GHz	57.4 Pk	3.48 / 25.93 / 49.62 / 0.0	37.19	H / 1.10 / 180	-70.72	-57.72
1.3 GHz	65.9 Pk	3.12 / 25.37 / 49.14 / 0.0	45.25	H / 1.10 / 180	-62.66	-49.66
1.299 GHz	59.25 Pk	3.12 / 25.37 / 49.14 / 0.0	38.6	H / 1.10 / 270	-69.31	-56.31
2.982 GHz	51.0 Pk	4.74 / 30.0 / 48.19 / 0.0	37.55	H / 1.10 / 270	-70.36	-57.36
Maximized Horizontal frequencies above 1 GHz TRX setting = 851 MHz						
2.414 GHz	59.85 Pk	4.31 / 28.58 / 49.36 / 0.0	43.38	H / 1.10 / 160	-64.53	-51.53
1.299 GHz	70.5 Pk	3.12 / 25.37 / 49.15 / 0.0	49.84	H / 1.50 / 210	-58.07	-45.07
TRX setting = 860 MHz						
1.298 GHz	70.6 Pk	3.12 / 25.37 / 49.15 / 0.0	49.94	H / 1.50 / 210	-57.97	-44.97
2.414 GHz	60.3 Pk	4.31 / 28.58 / 49.36 / 0.0	43.83	H / 1.10 / 160	-64.08	-51.08
1.278 GHz	73.5 Pk	3.1 / 25.34 / 49.25 / 0.0	52.69	V / 1.10 / 90	-55.22	-42.22

Tested by: Michael Schultz — Printed — Signature

Reviewed by: Greg Jakubowski — Printed — Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	4 of 9

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
1.349 GHz	76.15 Pk	3.18 / 25.44 / 49.37 / 0.0	55.39	V / 1.10 / 90	-52.52	-39.52
3.916 GHz	62.65 Pk	5.75 / 32.17 / 46.5 / 0.0	54.08	V / 1.10 / 160	-53.83	-40.83
5.68 GHz	50.85 Pk	6.91 / 34.18 / 45.3 / 0.0	46.64	V / 1.10 / 180	-61.27	-48.27
TRX setting = 869 MHz						
5.68 GHz	50.4 Pk	6.91 / 34.18 / 45.3 / 0.0	46.19	V / 1.10 / 180	-61.72	-48.72
3.916 GHz	63.1 Pk	5.75 / 32.17 / 46.5 / 0.0	54.53	V / 1.10 / 160	-53.38	-40.38
1.349 GHz	76.15 Pk	3.18 / 25.44 / 49.37 / 0.0	55.39	V / 1.10 / 90	-52.52	-39.52
1.278 GHz	73.3 Pk	3.1 / 25.34 / 49.25 / 0.0	52.49	V / 1.10 / 90	-55.42	-42.42
1.298 GHz	70.15 Pk	3.12 / 25.37 / 49.15 / 0.0	49.49	H / 1.50 / 210	-58.42	-45.42
2.414 GHz	59.8 Pk	4.31 / 28.58 / 49.36 / 0.0	43.33	H / 1.10 / 160	-64.58	-51.58
TRX setting = 935 MHz						
2.414 GHz	60.0 Pk	4.31 / 28.58 / 49.36 / 0.0	43.53	H / 1.10 / 160	-64.38	-51.38
1.297 GHz	70.7 Pk	3.12 / 25.37 / 49.16 / 0.0	50.03	H / 1.50 / 210	-57.88	-44.88
1.278 GHz	72.9 Pk	3.1 / 25.34 / 49.25 / 0.0	52.09	V / 1.10 / 90	-55.82	-42.82
1.349 GHz	76.0 Pk	3.18 / 25.44 / 49.37 / 0.0	55.24	V / 1.10 / 90	-52.67	-39.67
3.916 GHz	62.05 Pk	5.75 / 32.17 / 46.5 / 0.0	53.48	V / 1.10 / 160	-54.43	-41.43
5.68 GHz	50.45 Pk	6.91 / 34.18 / 45.3 / 0.0	46.24	V / 1.10 / 180	-61.67	-48.67
TRX setting = 937.5 MHz						
5.68 GHz	50.1 Pk	6.91 / 34.18 / 45.3 / 0.0	45.89	V / 1.10 / 180	-62.02	-49.02
3.916 GHz	61.75 Pk	5.75 / 32.17 / 46.5 / 0.0	53.18	V / 1.10 / 160	-54.73	-41.73
1.349 GHz	75.85 Pk	3.18 / 25.44 / 49.37 / 0.0	55.09	V / 1.10 / 90	-52.82	-39.82
1.278 GHz	72.5 Pk	3.1 / 25.34 / 49.25 / 0.0	51.69	V / 1.10 / 90	-56.22	-43.22
2.414 GHz	59.7 Pk	4.31 / 28.58 / 49.36 / 0.0	43.23	H / 1.10 / 160	-64.68	-51.68

Tested by: Michael Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	5 of 9

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
1.297 GHz	71.1 Pk	3.12 / 25.37 / 49.16 / 0.0	50.43	H / 1.50 / 210	-57.48	-44.48
TRX setting = 940 MHz						
1.296 GHz	70.3 Pk	3.12 / 25.37 / 49.16 / 0.0	49.63	H / 1.50 / 210	-58.28	-45.28
2.414 GHz	59.9 Pk	4.31 / 28.58 / 49.36 / 0.0	43.43	H / 1.10 / 160	-64.48	-51.48
1.278 GHz	72.3 Pk	3.1 / 25.34 / 49.25 / 0.0	51.49	V / 1.10 / 90	-56.42	-43.42
1.349 GHz	75.6 Pk	3.18 / 25.44 / 49.37 / 0.0	54.84	V / 1.10 / 90	-53.07	-40.07
3.916 GHz	61.7 Pk	5.75 / 32.17 / 46.5 / 0.0	53.13	V / 1.10 / 90	-54.78	-41.78
5.68 GHz	50.75 Pk	6.91 / 34.18 / 45.3 / 0.0	46.54	V / 1.10 / 180	-61.37	-48.37
TRX setting = 940 MHz						
940.0 MHz	46.7 Qp	2.65 / 22.6 / 27.6 / 0.0	44.35	V / 1.00 / 0	-63.56	-50.56
47.071 MHz	66.95 Qp	0.6 / 14.78 / 27.1 / 0.0	55.23	V / 1.00 / 0	-52.68	-39.68
47.071 MHz	67.0 Qp	0.6 / 14.78 / 27.1 / 0.0	55.28	V / 1.00 / 0	-52.63	-39.63
72.097 MHz	62.15 Qp	0.7 / 8.28 / 27.0 / 0.0	44.13	V / 1.00 / 0	-63.78	-50.78
142.003 MHz	72.7 Qp	1.0 / 9.22 / 26.97 / 0.0	55.95	V / 1.00 / 0	-51.96	-38.96
284.003 MHz	49.55 Qp	1.5 / 12.56 / 27.43 / 0.0	36.18	V / 1.00 / 0	-71.73	-58.73
497.003 MHz	53.3 Qp	1.9 / 17.39 / 27.93 / 0.0	44.66	V / 1.00 / 0	-63.25	-50.25
568.003 MHz	51.7 Qp	2.03 / 18.42 / 28.1 / 0.0	44.05	V / 1.00 / 0	-63.86	-50.86
639.003 MHz	45.95 Qp	2.1 / 19.5 / 28.2 / 0.0	39.35	V / 1.00 / 0	-68.56	-55.56
710.003 MHz	63.9 Qp	2.3 / 20.2 / 27.95 / 0.0	58.45	V / 1.00 / 0	-49.46	-36.46
781.003 MHz	44.85 Qp	2.39 / 21.54 / 27.83 / 0.0	40.95	V / 1.00 / 0	-66.96	-53.96
852.003 MHz	43.3 Qp	2.51 / 21.9 / 27.78 / 0.0	39.94	V / 1.00 / 0	-67.97	-54.97
940.0 MHz	47.0 Qp	2.65 / 22.6 / 27.6 / 0.0	44.65	V / 1.00 / 0	-63.26	-50.26
994.003 MHz	50.45 Qp	2.73 / 22.66 / 27.57 / 0.0	48.28	V / 1.00 / 0	-59.63	-46.63

Tested by: Michael Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	6 of 9

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
284.003 MHz	51.05 Qp	1.5 / 12.56 / 27.43 / 0.0	37.68	V / 1.00 / 90	-70.23	-57.23
355.003 MHz	61.3 Qp	1.6 / 14.65 / 27.6 / 0.0	49.95	V / 1.00 / 90	-57.96	-44.96
213.003 MHz	63.7 Qp	1.21 / 10.53 / 27.11 / 0.0	48.33	V / 1.00 / 180	-59.58	-46.58
284.003 MHz	53.7 Qp	1.5 / 12.56 / 27.43 / 0.0	40.33	V / 1.00 / 180	-67.58	-54.58
497.003 MHz	56.05 Qp	1.9 / 17.39 / 27.93 / 0.0	47.41	V / 1.00 / 180	-60.5	-47.5
923.003 MHz	51.0 Qp	2.63 / 22.46 / 27.6 / 0.0	48.49	V / 1.00 / 180	-59.42	-46.42
994.003 MHz	51.55 Qp	2.73 / 22.66 / 27.57 / 0.0	49.38	V / 1.00 / 180	-58.53	-45.53
213.003 MHz	68.45 Qp	1.21 / 10.53 / 27.11 / 0.0	53.08	V / 1.00 / 270	-54.83	-41.83
426.003 MHz	69.95 Qp	1.71 / 16.18 / 27.9 / 0.0	59.94	V / 1.00 / 270	-47.97	-34.97
568.003 MHz	52.05 Qp	2.03 / 18.42 / 28.1 / 0.0	44.4	V / 1.00 / 270	-63.51	-50.51
639.003 MHz	46.1 Qp	2.1 / 19.5 / 28.2 / 0.0	39.5	V / 1.00 / 270	-68.41	-55.41
923.003 MHz	51.25 Qp	2.63 / 22.46 / 27.6 / 0.0	48.74	V / 1.00 / 270	-59.17	-46.17
Maximized Vertical frequencies below 1 GHz						
141.999 MHz	72.65 Qp	1.0 / 9.22 / 26.97 / 0.0	55.9	V / 1.00 / 250	-52.01	-39.01
213.003 MHz	69.05 Qp	1.21 / 10.53 / 27.11 / 0.0	53.68	V / 1.00 / 300	-54.23	-41.23
426.003 MHz	71.95 Qp	1.71 / 16.18 / 27.9 / 0.0	61.94	V / 1.00 / 250	-45.97	-32.97
710.003 MHz	64.65 Qp	2.3 / 20.2 / 27.95 / 0.0	59.2	V / 1.60 / 0	-48.71	-35.71
497.003 MHz	57.65 Qp	1.9 / 17.39 / 27.93 / 0.0	49.01	H / 1.00 / 90	-58.9	-45.9
284.003 MHz	58.0 Qp	1.5 / 12.56 / 27.43 / 0.0	44.63	H / 1.00 / 180	-63.28	-50.28
639.003 MHz	48.1 Qp	2.1 / 19.5 / 28.2 / 0.0	41.5	H / 1.00 / 180	-66.41	-53.41
284.003 MHz	59.2 Qp	1.5 / 12.56 / 27.43 / 0.0	45.83	H / 1.00 / 270	-62.08	-49.08

Tested by: Michael Schultz — Printed — Signature

Reviewed by: Greg Jakubowski — Printed — Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	7 of 9

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
Maximized Horizontal frequencies below 1 GHz						
284.003 MHz	61.65 Qp	1.5 / 12.56 / 27.43 / 0.0	48.28	H / 1.00 / 300	-59.63	-46.63
497.003 MHz	58.6 Qp	1.9 / 17.39 / 27.93 / 0.0	49.96	H / 1.00 / 95	-57.95	-44.95
TRX setting = 937.5 MHz						
497.003 MHz	58.5 Qp	1.9 / 17.39 / 27.93 / 0.0	49.86	H / 1.00 / 95	-58.05	-45.05
284.003 MHz	61.3 Qp	1.5 / 12.56 / 27.43 / 0.0	47.93	H / 1.00 / 300	-59.98	-46.98
142.003 MHz	72.9 Qp	1.0 / 9.22 / 26.97 / 0.0	56.15	V / 1.00 / 250	-51.76	-38.76
213.003 MHz	68.6 Qp	1.21 / 10.53 / 27.11 / 0.0	53.23	V / 1.00 / 250	-54.68	-41.68
426.003 MHz	71.4 Qp	1.71 / 16.18 / 27.9 / 0.0	61.39	V / 1.00 / 250	-46.52	-33.52
710.003 MHz	65.3 Qp	2.3 / 20.2 / 27.95 / 0.0	59.85	V / 1.60 / 0	-48.06	-35.06
937.5 MHz	69.85 Qp	2.65 / 22.6 / 27.6 / 0.0	67.5	V / 1.00 / 130	-40.41	-27.41
TRX setting = 935 MHz						
935.0 MHz	66.15 Qp	2.65 / 22.6 / 27.6 / 0.0	63.8	V / 1.00 / 120	-44.11	-31.11
142.003 MHz	72.7 Qp	1.0 / 9.22 / 26.97 / 0.0	55.95	V / 1.00 / 250	-51.96	-38.96
213.003 MHz	68.4 Qp	1.21 / 10.53 / 27.11 / 0.0	53.03	V / 1.00 / 250	-54.88	-41.88
426.003 MHz	70.85 Qp	1.71 / 16.18 / 27.9 / 0.0	60.84	V / 1.00 / 250	-47.07	-34.07
710.003 MHz	64.25 Qp	2.3 / 20.2 / 27.95 / 0.0	58.8	V / 1.60 / 0	-49.11	-36.11
284.003 MHz	61.5 Qp	1.5 / 12.56 / 27.43 / 0.0	48.13	H / 1.00 / 300	-59.78	-46.78
497.003 MHz	58.4 Qp	1.9 / 17.39 / 27.93 / 0.0	49.76	H / 1.00 / 95	-58.15	-45.15
TRX setting = 851 MHz						
497.003 MHz	58.9 Qp	1.9 / 17.39 / 27.93 / 0.0	50.26	H / 1.00 / 95	-57.65	-44.65

Tested by: Michael Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	8 of 9

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
284.003 MHz	60.5 Qp	1.5 / 12.56 / 27.43 / 0.0	47.13	H / 1.00 / 300	-60.78	-47.78
142.003 MHz	71.85 Qp	1.0 / 9.22 / 26.97 / 0.0	55.1	V / 1.00 / 250	-52.81	-39.81
213.003 MHz	68.1 Qp	1.21 / 10.53 / 27.11 / 0.0	52.73	V / 1.00 / 250	-55.18	-42.18
426.003 MHz	71.0 Qp	1.71 / 16.18 / 27.9 / 0.0	60.99	V / 1.00 / 250	-46.92	-33.92
710.003 MHz	64.1 Qp	2.3 / 20.2 / 27.95 / 0.0	58.65	V / 1.00 / 0	-49.26	-36.26
851.0 MHz	64.6 Qp	2.51 / 21.9 / 27.78 / 0.0	61.23	V / 1.00 / 115	-46.68	-33.68
TRX setting = 860 MHz						
860.0 MHz	64.45 Qp	2.53 / 21.9 / 27.75 / 0.0	61.13	V / 1.00 / 140	-46.78	-33.78
142.003 MHz	71.8 Qp	1.0 / 9.22 / 26.97 / 0.0	55.05	V / 1.00 / 250	-52.86	-39.86
213.003 MHz	67.2 Qp	1.21 / 10.53 / 27.11 / 0.0	51.83	V / 1.00 / 250	-56.08	-43.08
426.003 MHz	71.15 Qp	1.71 / 16.18 / 27.9 / 0.0	61.14	V / 1.00 / 250	-46.77	-33.77
710.003 MHz	66.2 Qp	2.3 / 20.2 / 27.95 / 0.0	60.75	V / 1.00 / 0	-47.16	-34.16
284.003 MHz	61.45 Qp	1.5 / 12.56 / 27.43 / 0.0	48.08	H / 1.00 / 300	-59.83	-46.83
497.003 MHz	58.9 Qp	1.9 / 17.39 / 27.93 / 0.0	50.26	H / 1.00 / 95	-57.65	-44.65
TRX setting = 869 MHz						
497.003 MHz	58.8 Qp	1.9 / 17.39 / 27.93 / 0.0	50.16	H / 1.00 / 95	-57.75	-44.75
284.003 MHz	61.15 Qp	1.5 / 12.56 / 27.43 / 0.0	47.78	H / 1.00 / 300	-60.13	-47.13
142.003 MHz	72.35 Qp	1.0 / 9.22 / 26.97 / 0.0	55.6	V / 1.00 / 250	-52.31	-39.31
213.003 MHz	67.05 Qp	1.21 / 10.53 / 27.11 / 0.0	51.68	V / 1.00 / 250	-56.23	-43.23
426.003 MHz	70.95 Qp	1.71 / 16.18 / 27.9 / 0.0	60.94	V / 1.00 / 250	-46.97	-33.97
710.003 MHz	66.0 Qp	2.3 / 20.2 / 27.95 / 0.0	60.55	V / 1.00 / 0	-47.36	-34.36
869.0 MHz	62.0 Qp	2.54 / 21.9 / 27.72 / 0.0	58.72	V / 1.00 / 125	-49.19	-36.19
Scan complete 30-10000 MHz						

Tested by: Michael Schultz

Printed | Signature

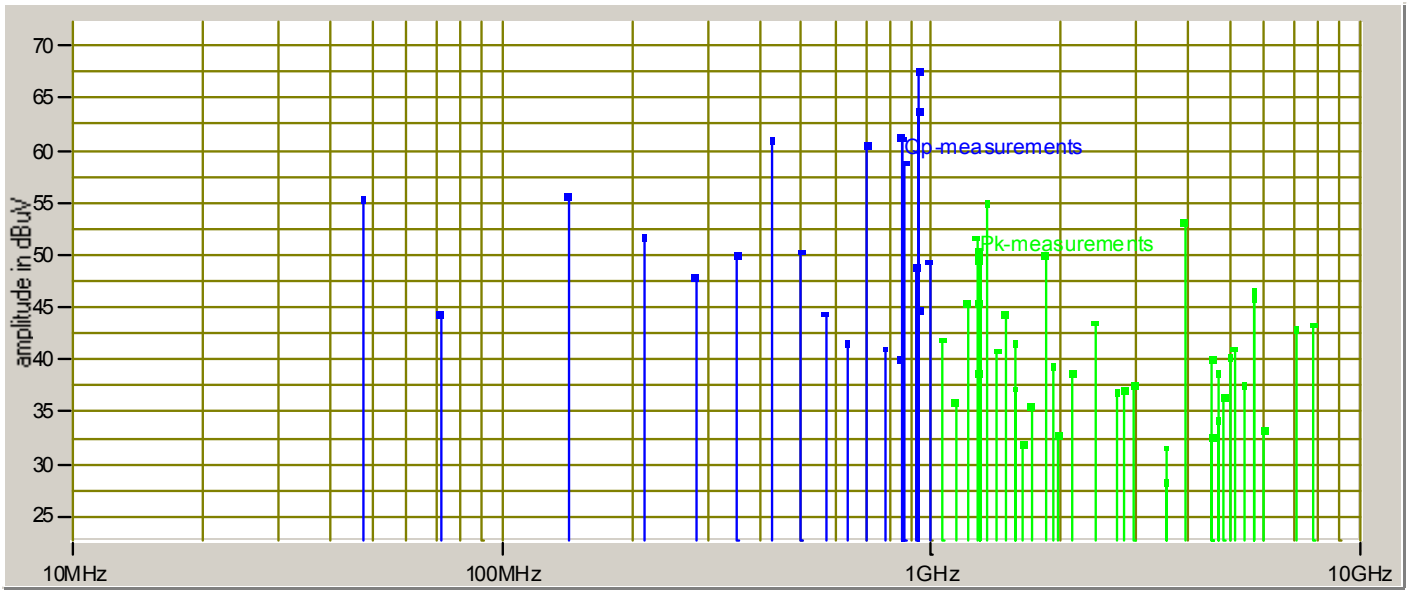
Reviewed by: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

Test Report #:	WC505742 Run 1	Test Area:	LTS		
EUT Model #:	SCS SMR 800 \ 900	Date:	12/7/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 90			Air Pressure:	98.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:	Digivance® Street Coverage Solution, Dual band chassis				
Notes:					
Data File Name:	5742.dat			Page:	9 of 9

Graph:



Tested by: Michael Schultz

Printed

Signature

Reviewed by: Greg Jakubowski

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:					
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: Greg Jakubowski — 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:					
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	-54.07	-41.07

Tested by: J. C. Sausen

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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	-63.18	-50.18
2.982 GHz	59.6 Pk	4.74 / 30.0 / 48.19 / 0.0	46.15	V / 1.43 / 0	-61.76	-48.76
3.266 GHz	56.15 Pk	5.0 / 30.62 / 47.55 / 0.0	44.21	V / 1.43 / 0	-63.7	-50.7
3.408 GHz	54.7 Pk	5.15 / 30.92 / 47.3 / 0.0	43.47	V / 1.43 / 0	-64.44	-51.44
4.686 GHz	49.9 Pk	6.24 / 32.66 / 45.39 / 0.0	43.41	V / 1.43 / 0	-64.5	-51.5
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: Greg Jakubowski — Printed — Signature

RADIATED EMISSIONS

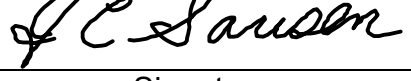
Test Report #:	WC505743 Run 1	Test Area:	LTS		
EUT Model #:	SCS1900	Date:	12/6/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC Part 24			Air Pressure:	99.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:					
Notes:	AD Band				
Data 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: Greg Jakubowski

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:					
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: Greg Jakubowski

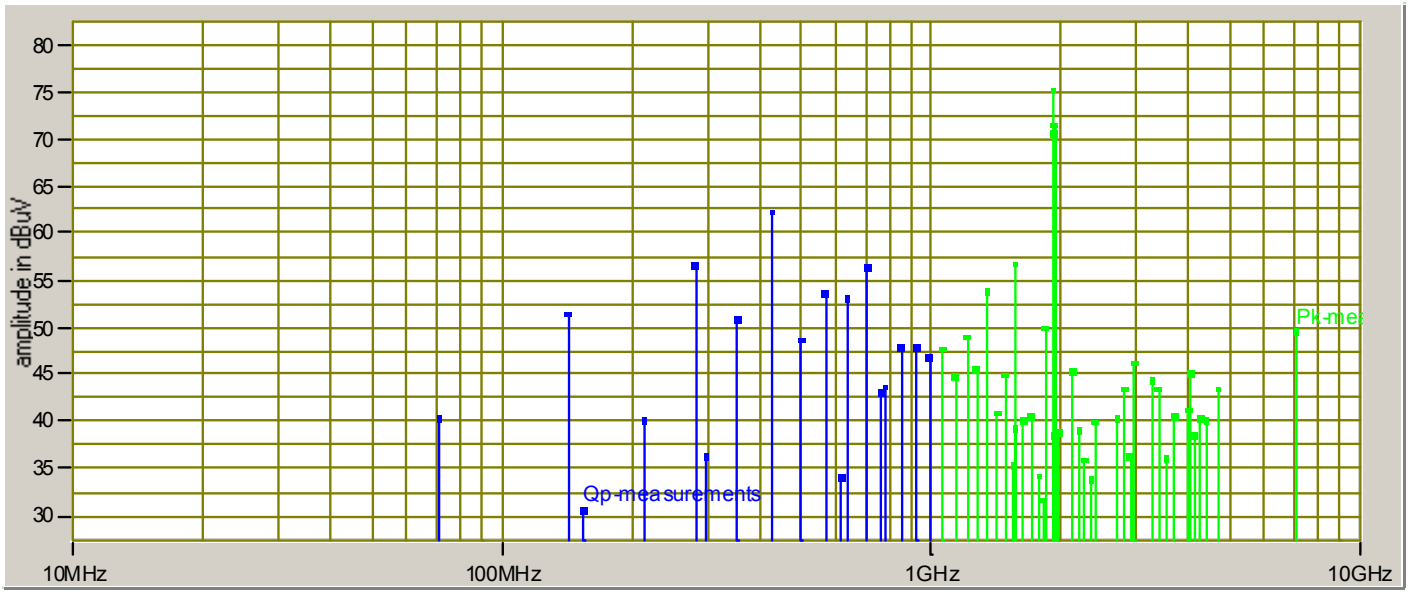
Printed

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:					
Notes:	AD Band				
Data File Name:	5743.dat			Page:	6 of 6

Graph:



Tested by: J. C. Sausen

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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: Joe Sausen & Mike Schultz — Printed — Signature

Reviewed by: Greg Jakubowski — 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:					
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	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: Joe Sausen & Mike Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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: Joe Sausen & Mike Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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: Joe Sausen & Mike Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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: Joe Sausen & Mike Schultz

Printed | Signature

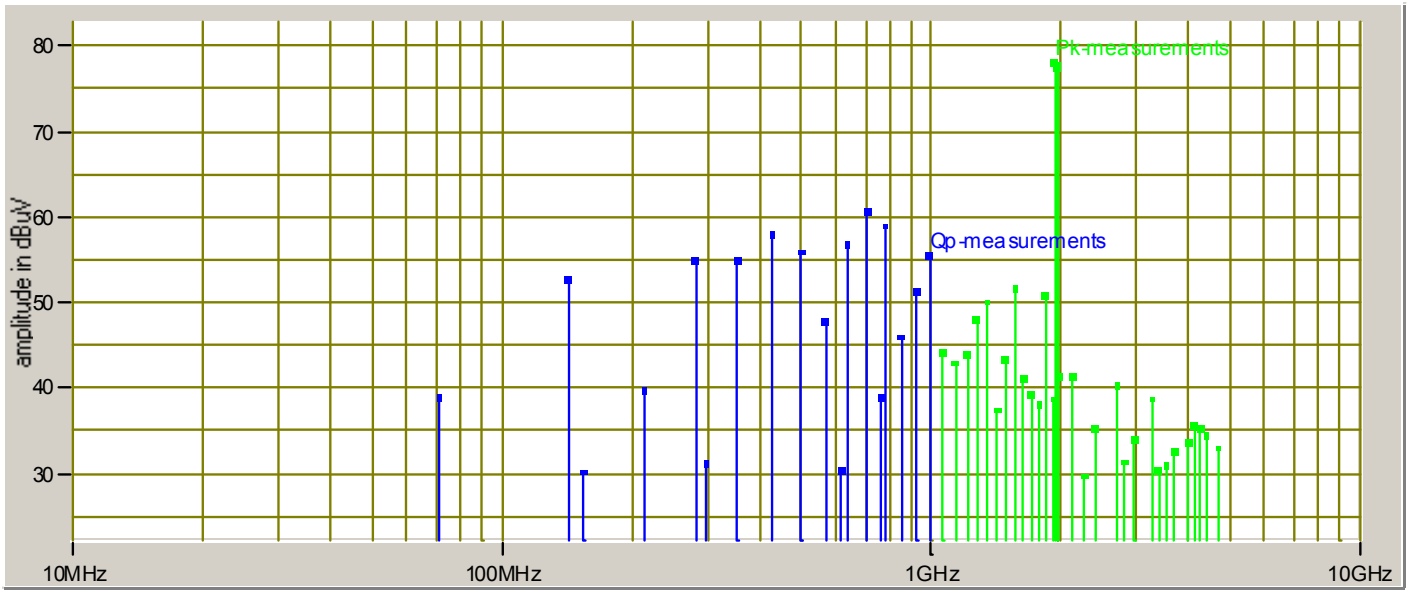
Reviewed by: Greg Jakubowski

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:					
Notes:	DBE Band				
Data File Name:	5743.dat			Page:	6 of 6

Graph:



Tested by: Joe Sausen & Mike Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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 | Signature

Reviewed by: Greg Jakubowski

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:					
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: Greg Jakubowski

Printed | Signature

RADIATED EMISSIONS

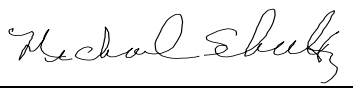
Test Report #:	WC505743 Run 3	Test Area:	LTS		
EUT Model #:	SCS1900	Date:	12/6/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC part 24			Air Pressure:	99.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:					
Notes:	BEF Band				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

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:					
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 | Signature

Reviewed by: Greg Jakubowski

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:					
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: Greg Jakubowski

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:					
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: Greg Jakubowski — Printed — Signature

RADIATED EMISSIONS

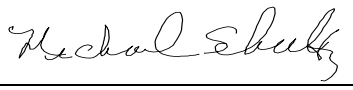
Test Report #:	WC505743 Run 3	Test Area:	LTS		
EUT Model #:	SCS1900	Date:	12/6/2005		
EUT Serial #:	n/a	EUT Power:	60 Hz / 120 VAC	Temperature:	22.0 °C
Test Method:	FCC part 24			Air Pressure:	99.0 kPa
Customer:	ADC Telecommunications			Rel. Humidity:	20.0 %
EUT Description:					
Notes:	BEF Band				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

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:					
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 Verical 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
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
Maximized Horizontal frequencies 30-1000 MHz TRX setting = 1975 MHz						
284.0 MHz	76.7 Qp	1.5 / 12.56 / 27.43 / 0.0	63.33	H / 1.20 / 350	-44.58	-31.58
852.0 MHz	61.9 Qp	2.51 / 21.9 / 27.78 / 0.0	58.54	H / 1.20 / 140	-49.37	-36.37
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: Greg Jakubowski — 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:					
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						

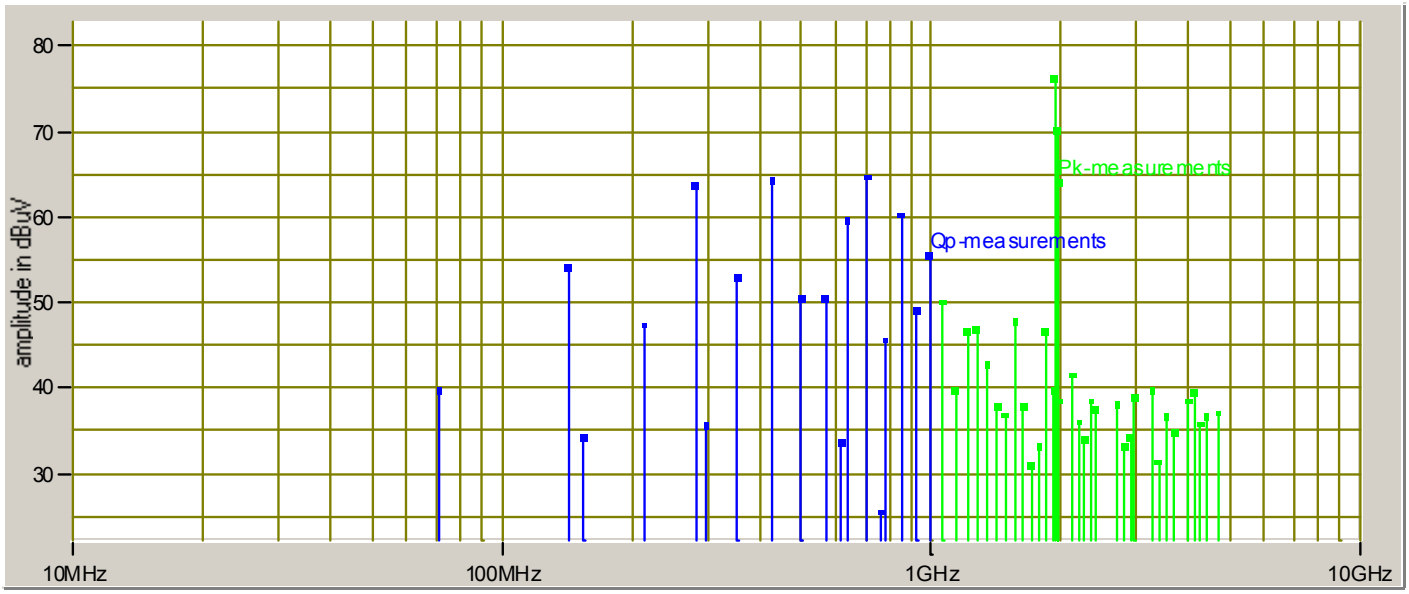
Tested by: Michael Schultz — Printed — Signature

Reviewed by: Greg Jakubowski — 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:					
Notes:	BEF Band				
Data File Name:	5743.dat			Page:	10 of 10

Graph:



Tested by: Michael Schultz

Printed | Signature

Reviewed by: Greg Jakubowski

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:					
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

Michael Schultz

Printed

Reviewed by: Greg Jakubowski

Printed

G Jakubowski

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:					
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

Printed

Reviewed by: Greg Jakubowski

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:					
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

 — Printed

Reviewed by: Greg Jakubowski — 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:					
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

Printed

Reviewed by: Greg Jakubowski

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:					
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

Michael Schultz — Printed

Reviewed by: Greg Jakubowski — Printed

G Jakubowski — 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:					
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

Michael Schultz — Printed

Reviewed by: Greg Jakubowski — Printed

G Jakubowski — 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:					
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 — Michael Schultz — Printed

Reviewed by: Greg Jakubowski — Printed — G Jakubowski — 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:					
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.						

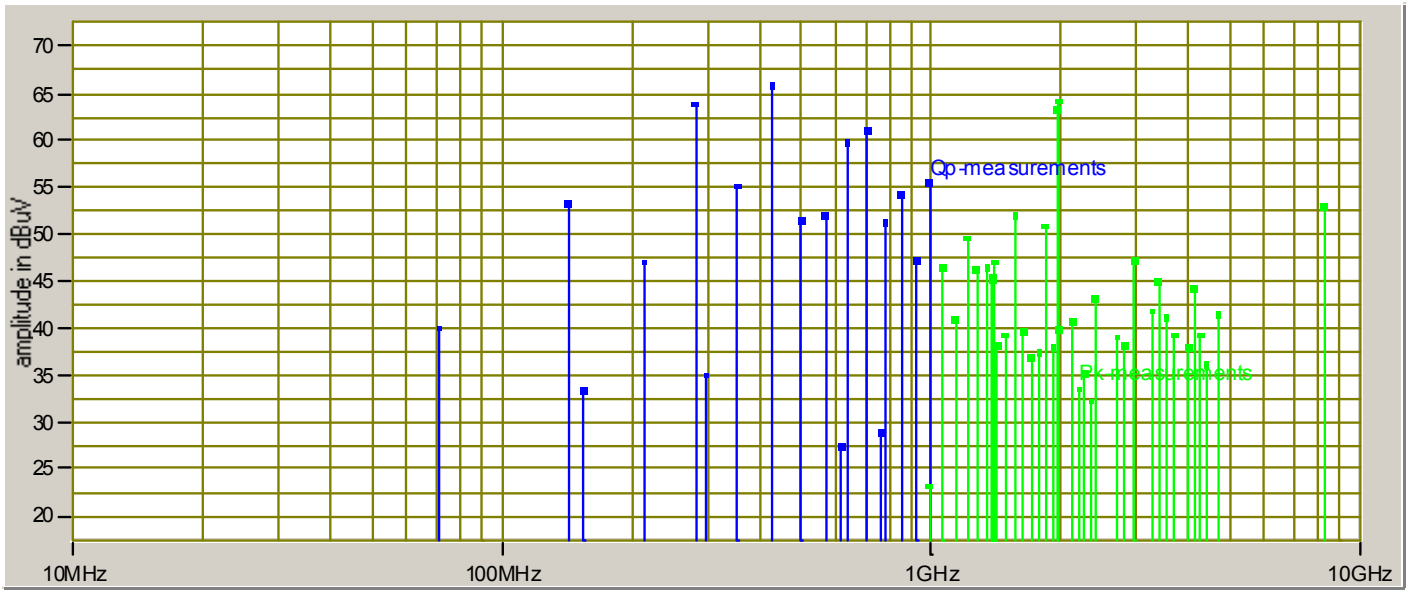
Tested by: Michael Schultz — Printed — Printed

Reviewed by: Greg Jakubowski — 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:					
Notes:	EFC Band				
Data File Name:	5743.dat			Page:	9 of 9

Graph:



Tested by: Michael Schultz

Printed

Printed

Reviewed by: Greg Jakubowski

Printed

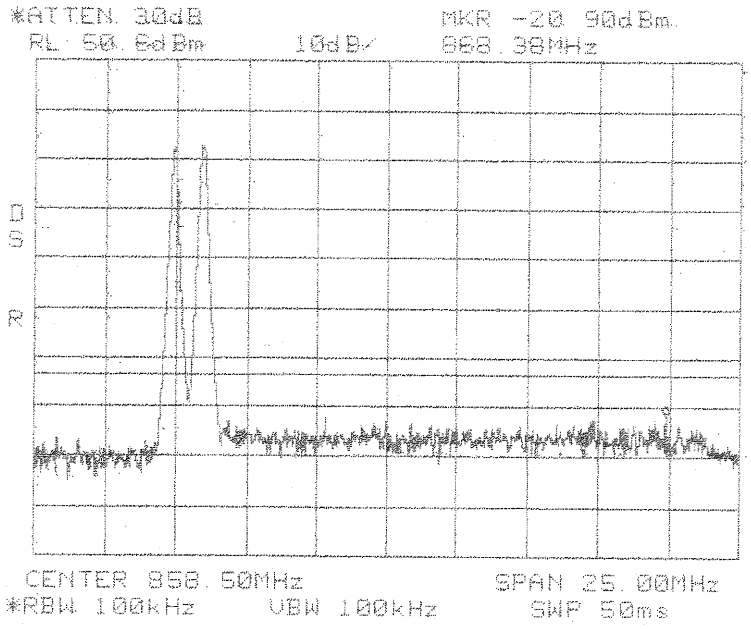
Signature

Inter-Modulation Test for ADC Inc
Digivance® Street Coverage Solution
Model Number DGVC-901X4X1X200SYS

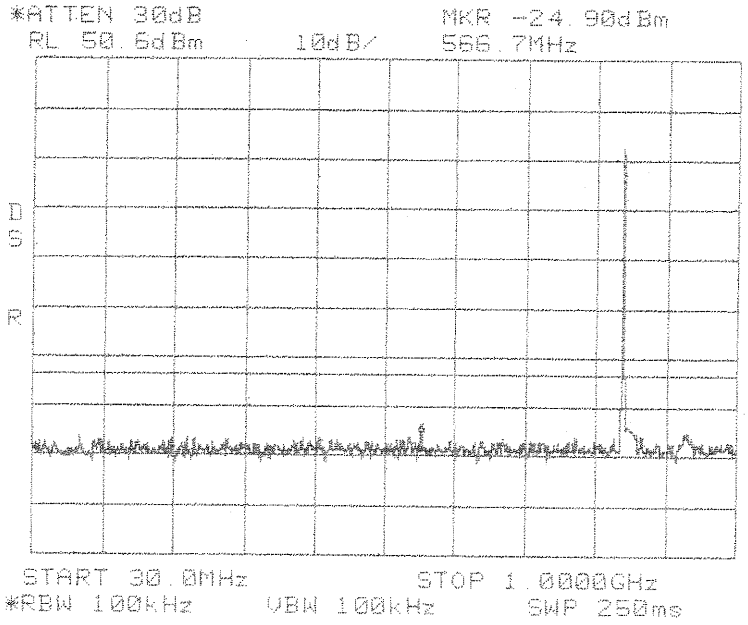
The inter-modulation products test was performed for the EUT. Three tests were preformed with the modulation type. Test 1 was with 2 signals input to the EUT at lower end channels. Test 2 was with 2 signals input to the EUT at upper end channels. Test 3 was with 2 signals input to the EUT at upper and lower end channels. The modulation types tested were FM, 16QAM, and CDMA. An investigation was made from 30 MHz to the 10^{th} Harmonic of the highest fundamental frequency (~10 GHz). The following plots show the results.

Results:
(See Plots)

Center: 858.5 MHz
Span: 25 MHz



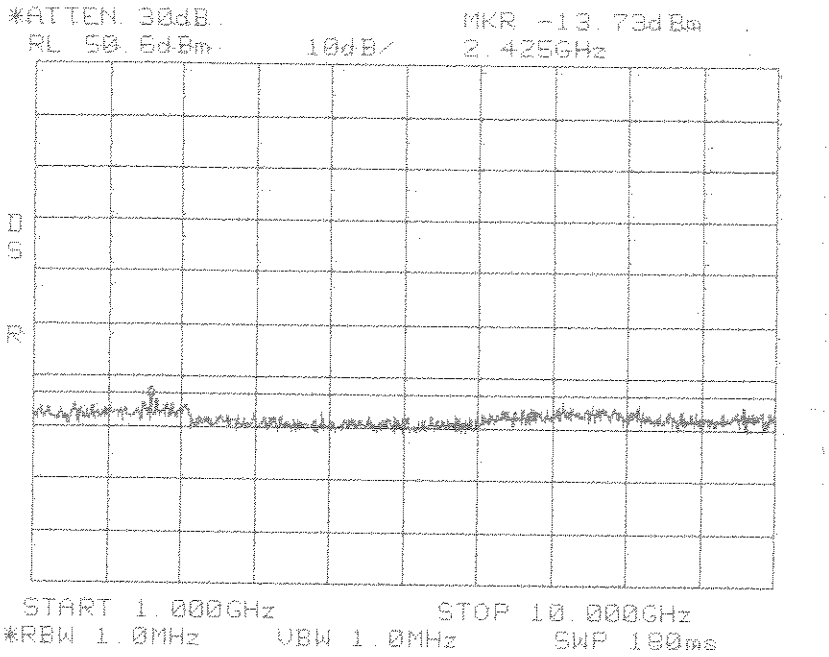
Intermodulation
Close
Lower
FM
SMR 800 MHz



Intermodulation
Close
Lower
FM
SMR 800 MHz

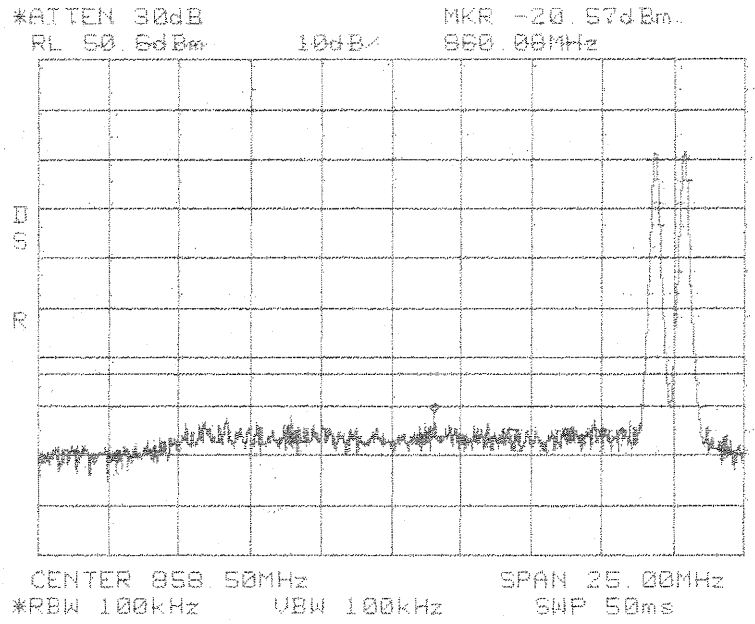
Span: 30 MHz to 1 GHz

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

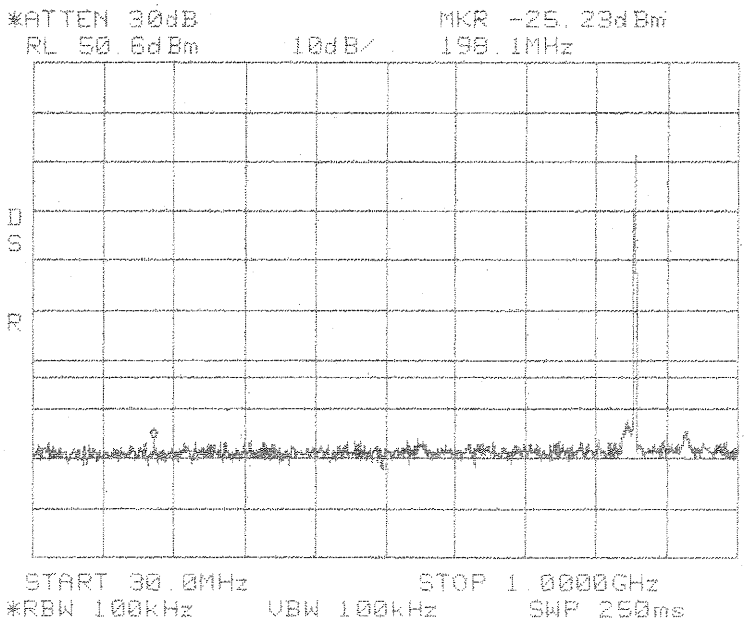


Intermodulation
Close
Lower
FM
SMR 800 MHz

Center: 858.5 MHz
Span: 25 MHz



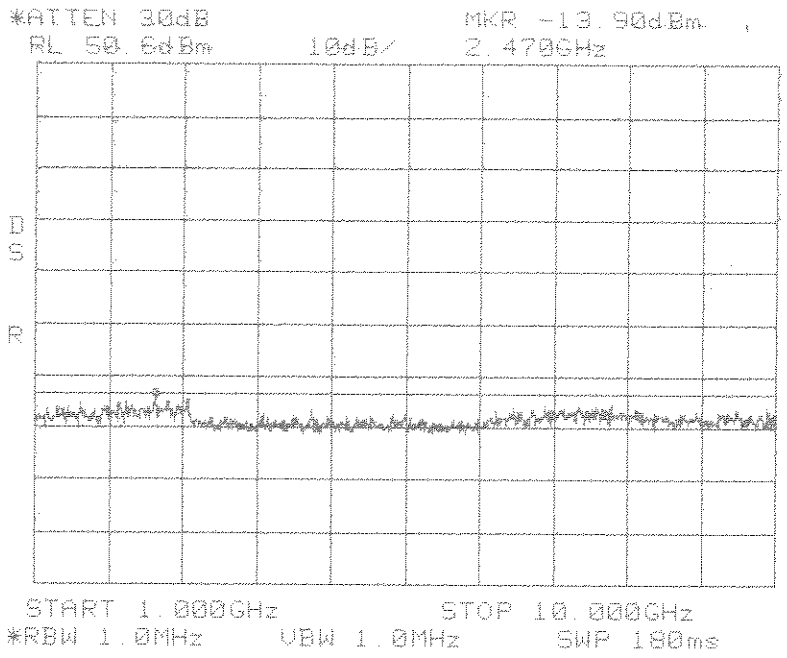
Intermodulation
Close
Upper
FM
SMR 800 MHz



Intermodulation
Close
Upper
FM
SMR 800 MHz

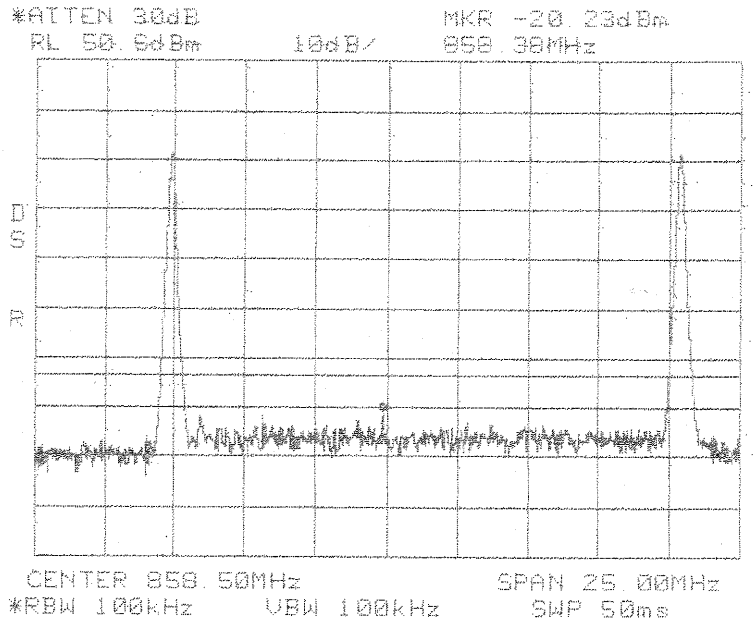
Span: 30 MHz to 1 GHz

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

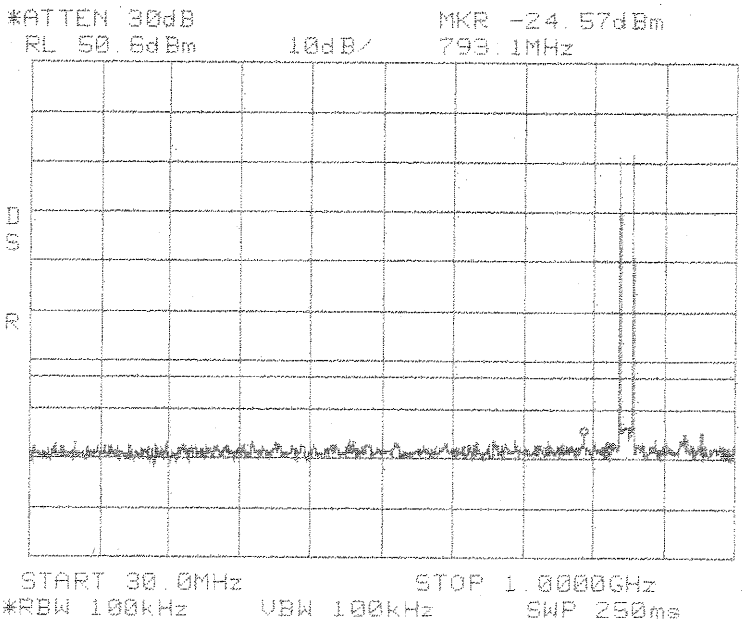


Intermodulation
Close
Upper
FM
SMR 800 MHz

Center: 858.5 MHz
Span: 25 MHz



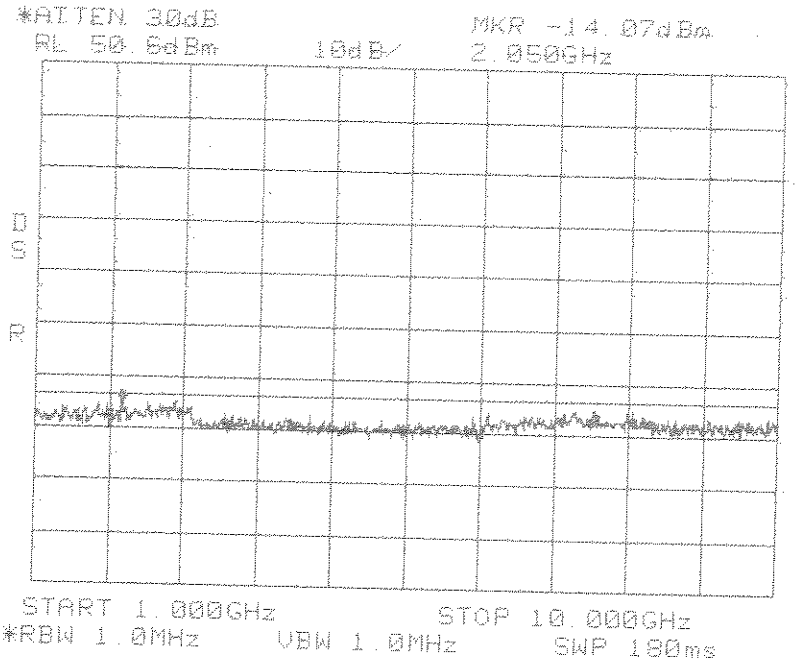
Intermodulation
Apart
FM
SMR 800 MHz



Intermodulation
Apart
FM
SMR 800 MHz

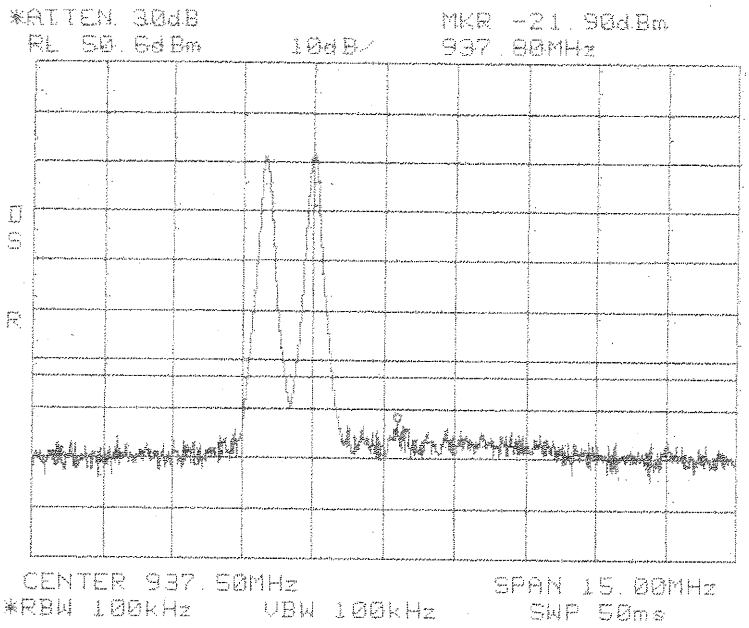
Span: 30 MHz to 1 GHz

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

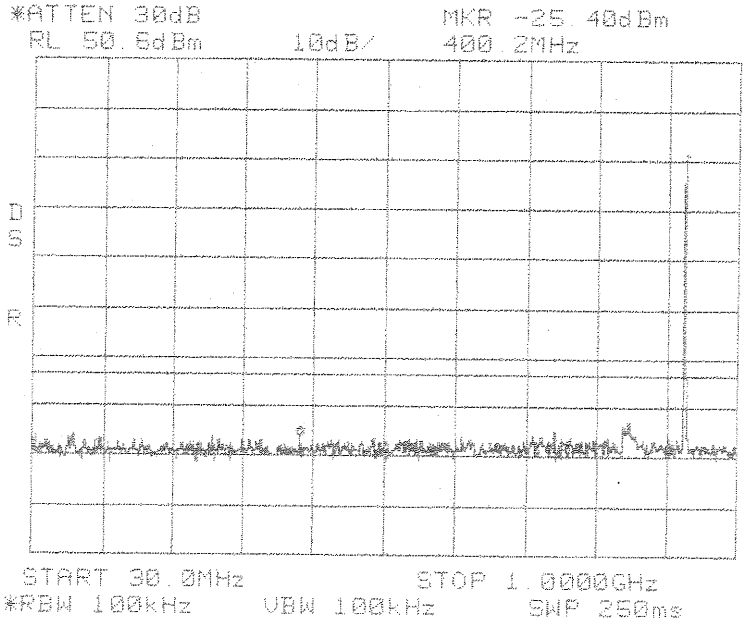


Intermodulation
Apart
FM
SMR 800 MHz

Center: 937.5 MHz
Span: 15 MHz



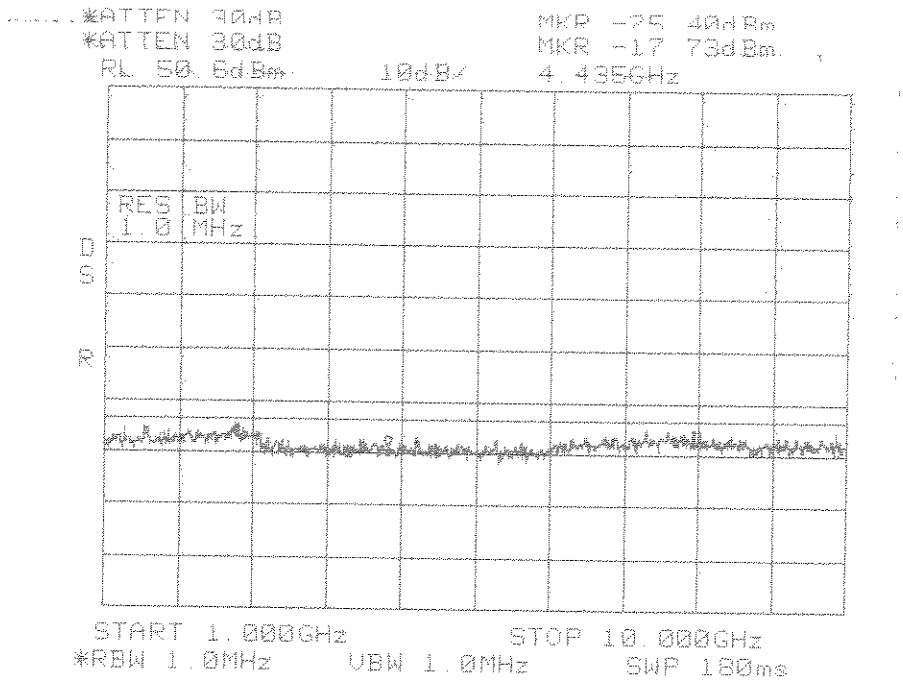
Intermodulation
Close
Lower
FM
SMR 900 MHz



Intermodulation
Close
Lower
FM
SMR 900 MHz

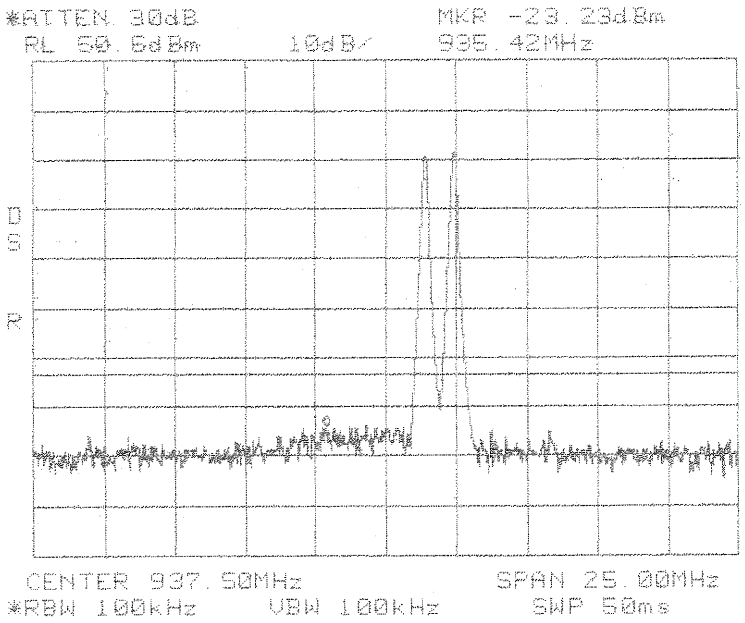
Span: 30 MHz to 1 GHz

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

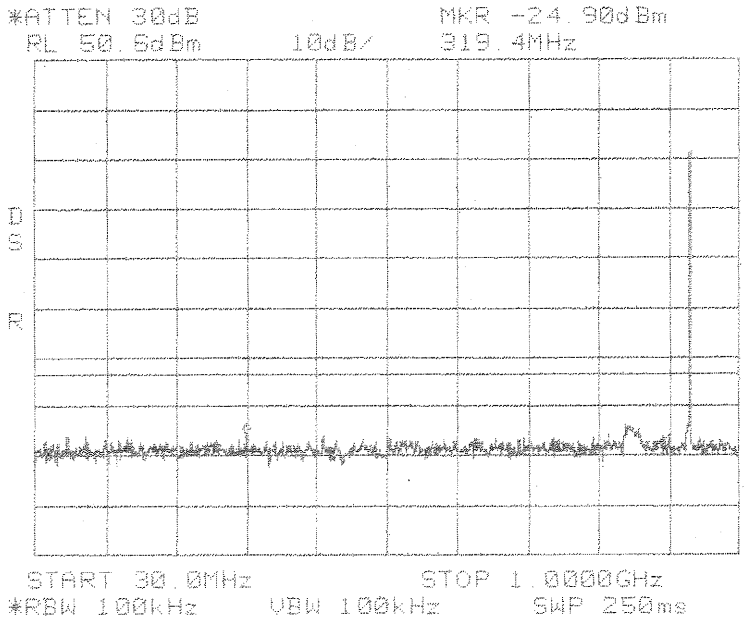


Intermodulation
Close
Lower
FM
SMR 900 MHz

Center: 937.5 MHz



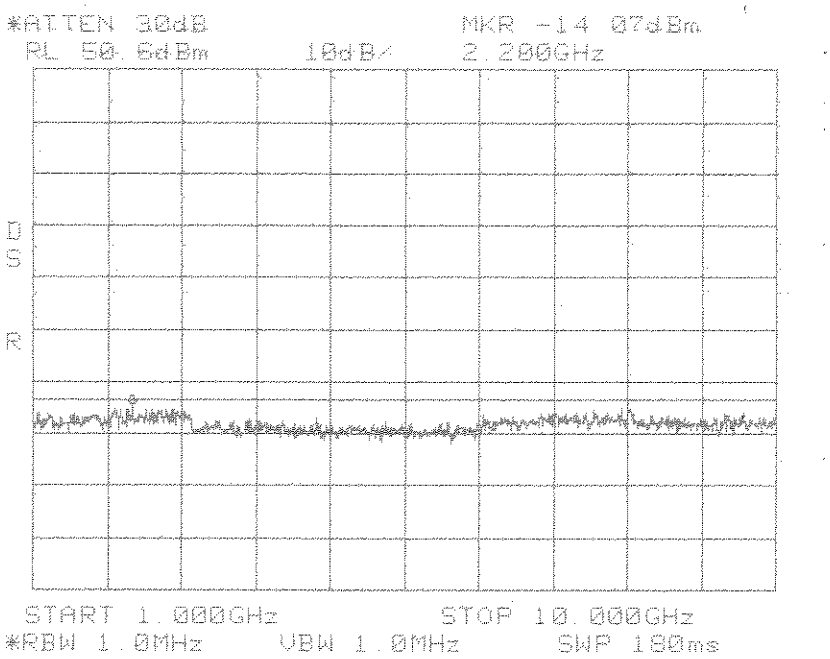
Intermodulation
Close
Upper
FM
SMR 900 MHz



Intermodulation
Close
Upper
FM
SMR 900 MHz

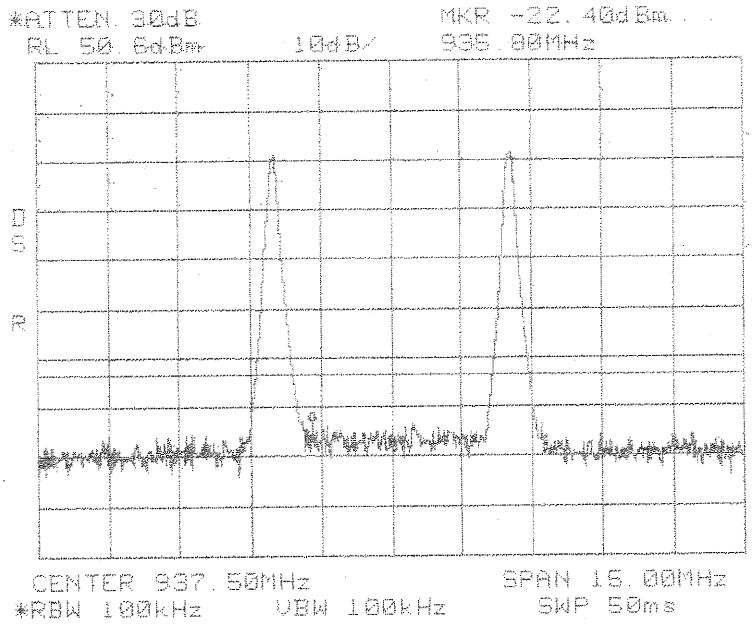
Span: 30 MHz to 1 GHz

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

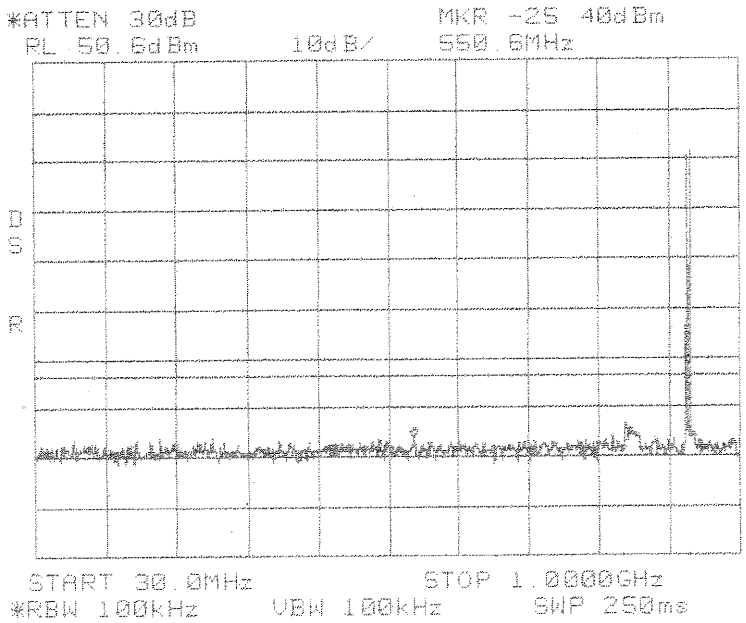


Intermodulation
Close
Upper
FM
SMR 900 MHz

Center: 937.5 MHz
Span: 15 MHz



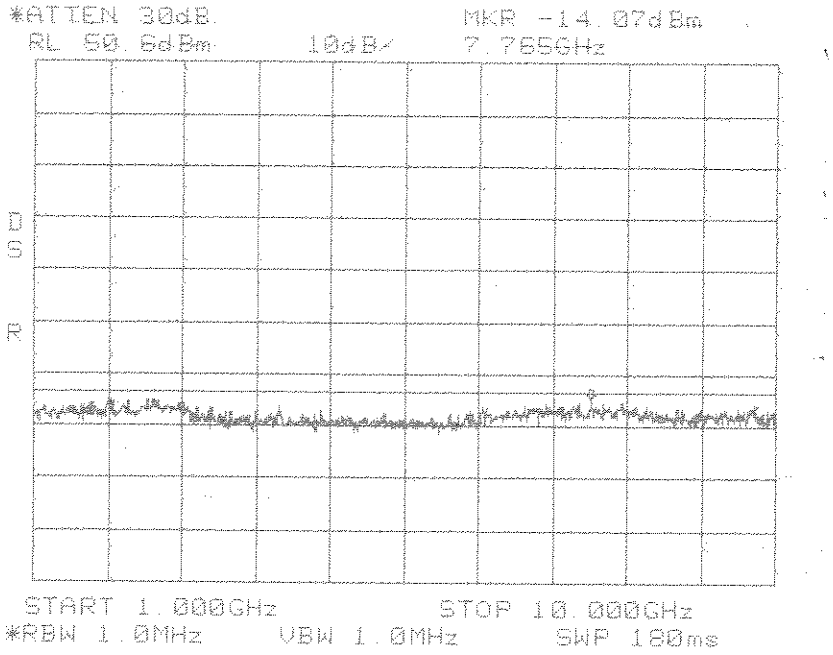
Intermodulation
Apart
FM
SMR 900 MHz



Intermodulation
Apart
FM
SMR 900 MHz

Span: 30 MHz to 1 GHz

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



Intermodulation
Apart
FM
SMR 900 MHz