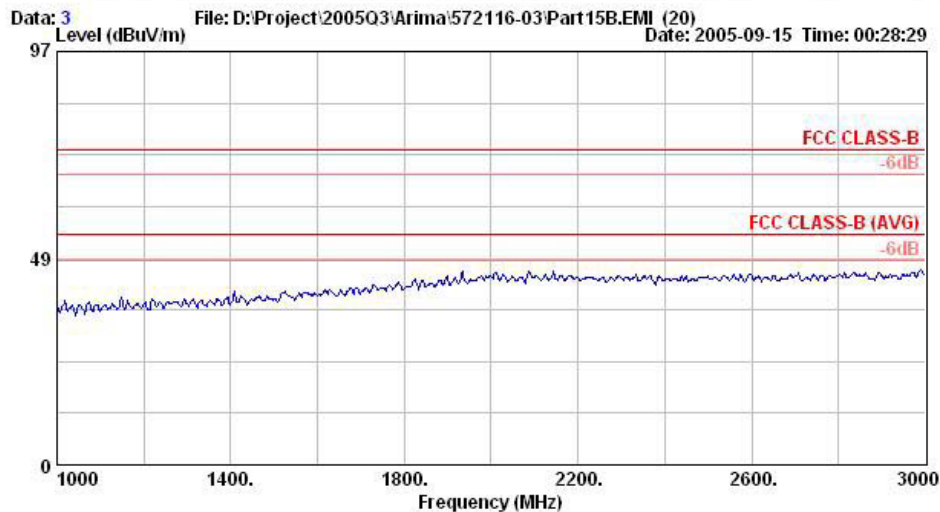
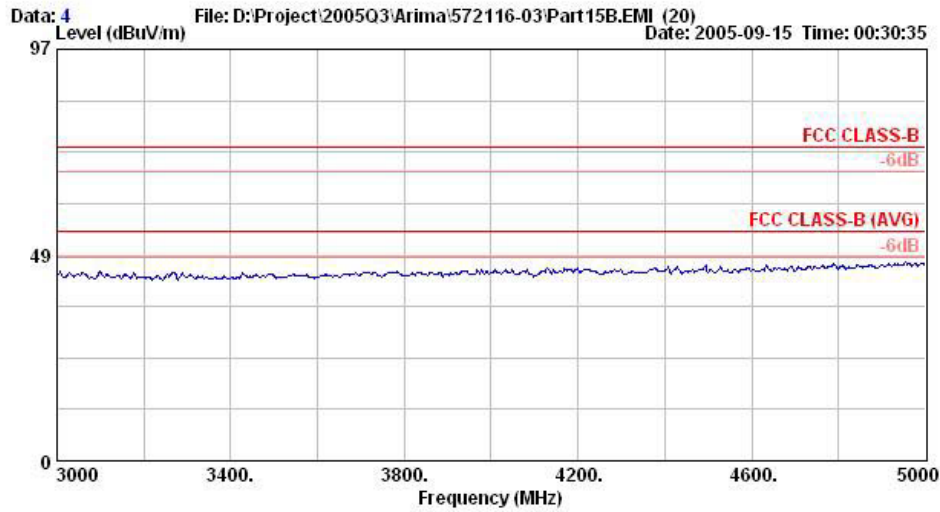


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 HORIZONTAL 100cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger

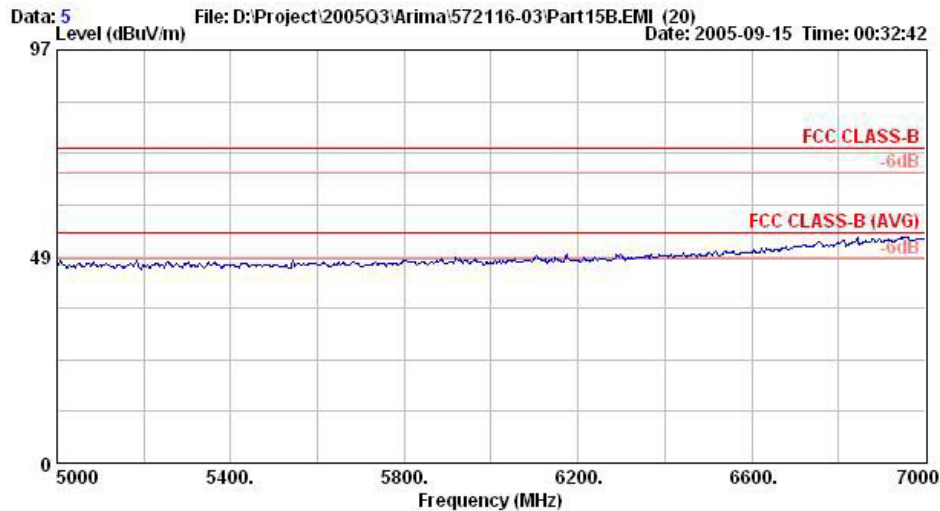
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	724.90	25.36	-20.64	46.00	31.68	19.73	4.46	30.52	100	0 Peak
2 @	819.40	28.21	-17.79	46.00	32.03	21.52	4.96	30.29	100	0 Peak
3	997.90	29.61	-24.39	54.00	31.07	22.91	6.20	30.57	100	0 Peak



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 HORIZONTAL 200cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger



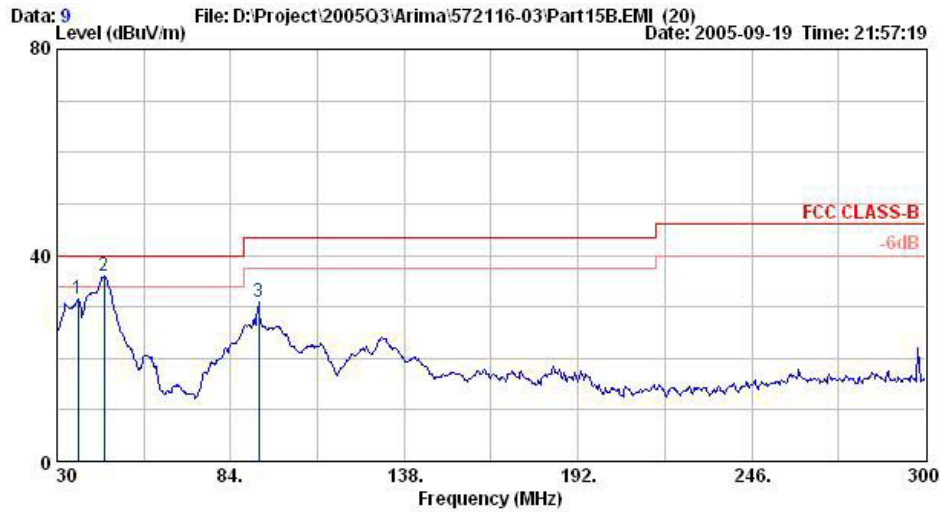
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 HORIZONTAL 100cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 HORIZONTAL 200cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger

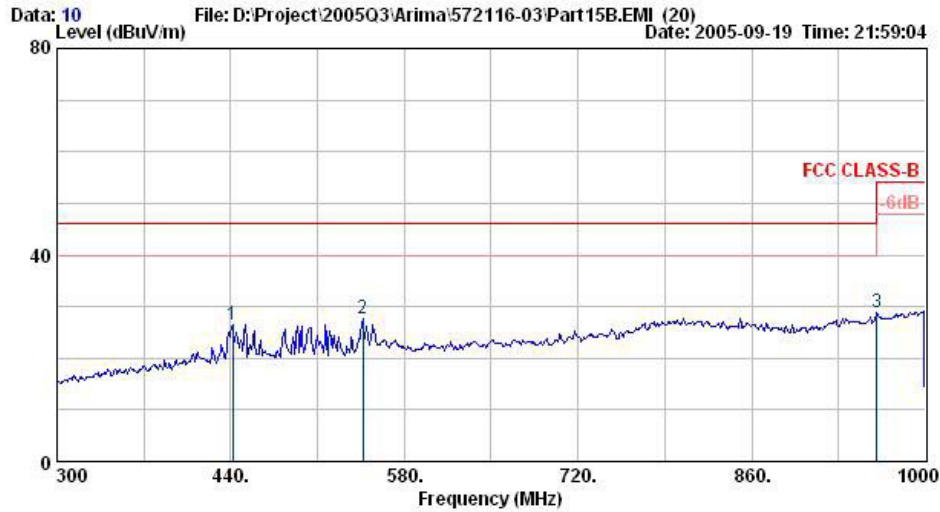


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 HORIZONTAL 100cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger



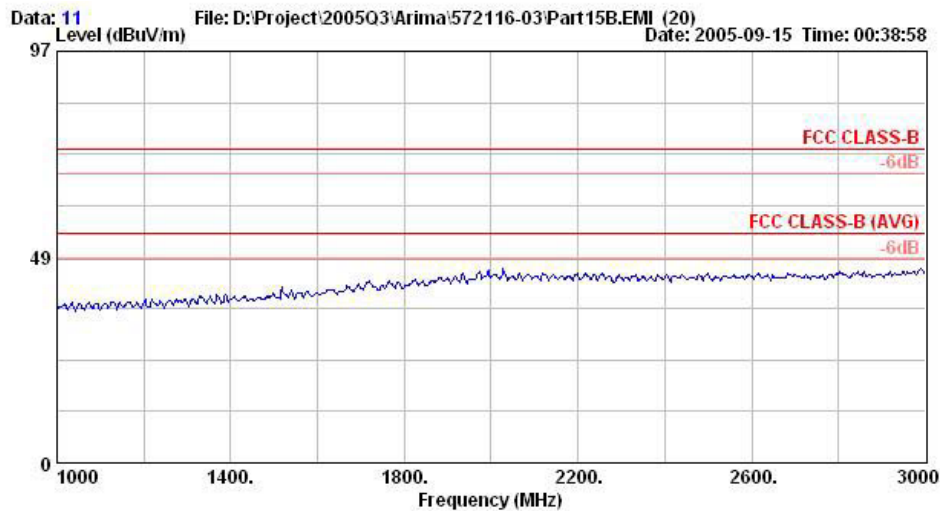
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 VERTICAL 101cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	36.48	31.49	-8.51	40.00	46.22	16.17	0.79	31.70	101	0 Peak
2 @	44.58	35.84	-4.16	40.00	54.77	12.10	0.58	31.62	101	0 Peak
3 @	92.64	30.93	-12.57	43.50	51.87	9.47	1.06	31.47	101	0 Peak

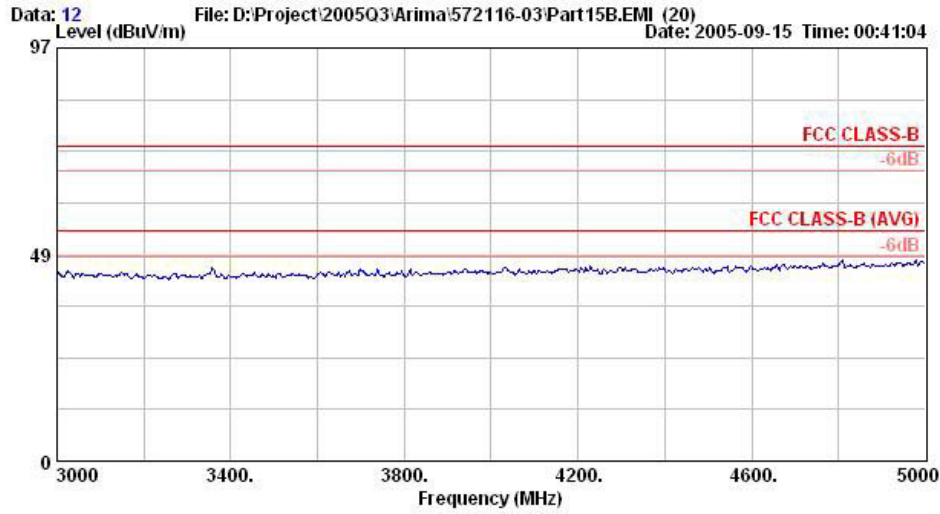


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 VERTICAL 198cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger

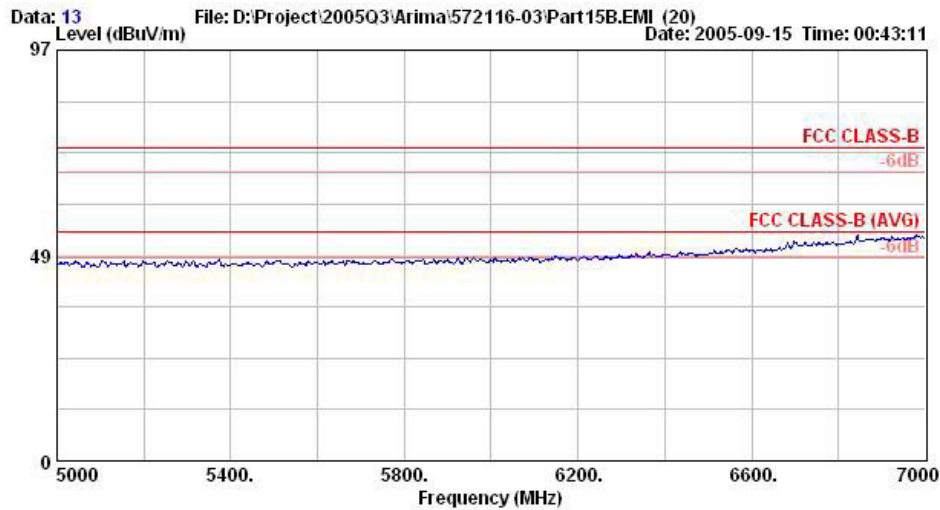
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	441.40	26.59	-19.41	46.00	37.55	16.40	3.24	30.59	198	0 Peak
2 @	546.40	27.57	-18.43	46.00	36.17	17.85	3.81	30.27	198	0 Peak
3	960.80	28.92	-25.08	54.00	31.57	21.79	5.93	30.37	198	0 Peak



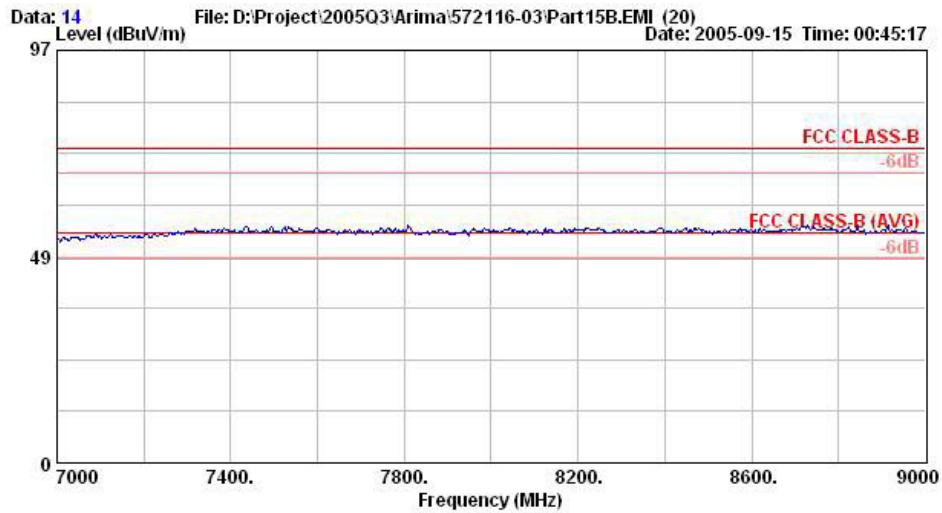
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 VERTICAL 200cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 VERTICAL 100cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger




Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 VERTICAL 200cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT-071025-940201 VERTICAL 100cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger

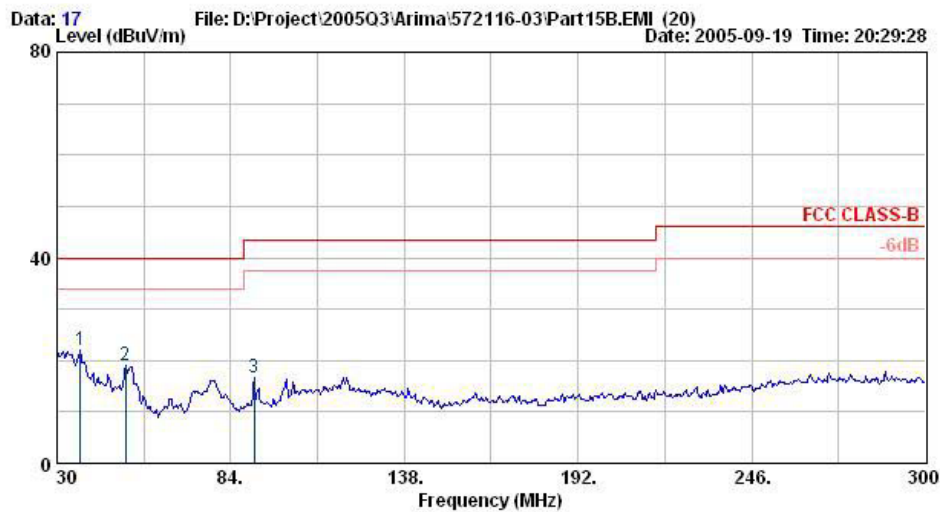
Remark: The spurious emission above 9GHz is too low to be taken.

Test Engineer : 
 Jay

6.4.2 Test Mode: Mode 2

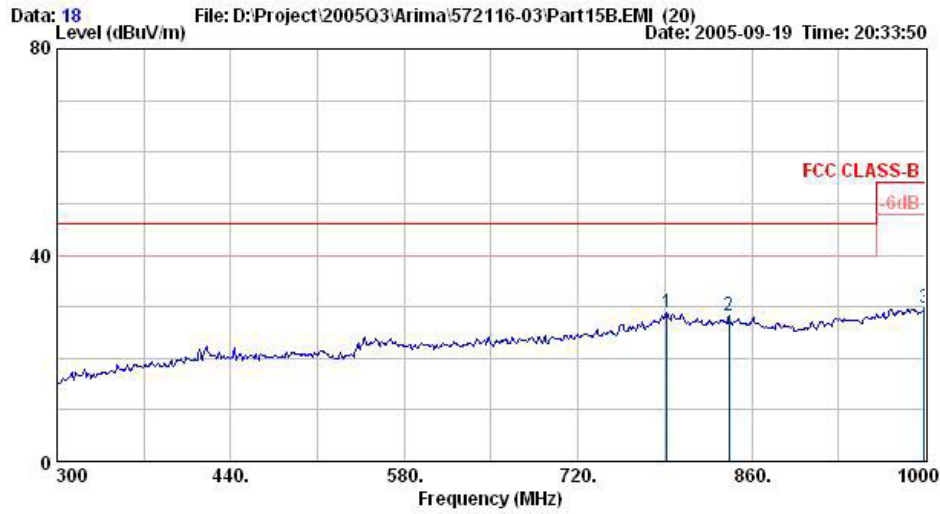
- Frequency Range of Test: from 30 MHz to 25000 MHz
- Test Distance: 3m
- Temperature: 28°C
- Relative Humidity: 64%
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

■ The test that passed at the minimum margin was marked by a frame in the following data



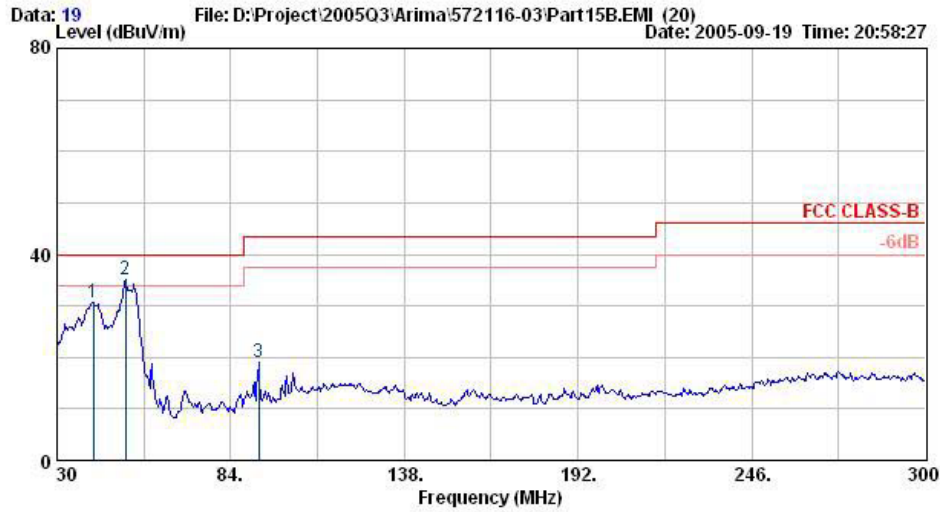
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 HORIZONTAL 400cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger MU03-5053055-C5

	Freq	Level	Over Limit	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	37.29	21.87	-18.13	40.00	37.12	15.73	0.74	31.73	400	0 Peak
2	51.33	19.07	-20.93	40.00	40.05	9.59	0.88	31.45	400	0 Peak
3	91.29	16.74	-26.76	43.50	38.01	9.18	1.07	31.52	400	0 Peak



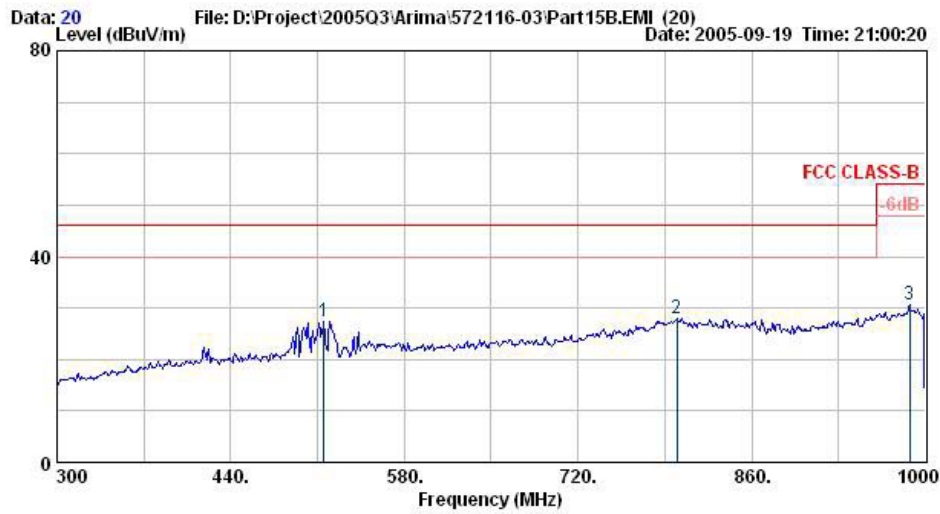
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 HORIZONTAL 100cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger MU03-50S3055-C5

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	791.40	28.92	-17.08	46.00	32.60	21.65	4.83	30.17	100	0 Peak
2 @	841.80	28.32	-17.68	46.00	32.41	21.08	5.02	30.20	100	0 Peak
3	999.30	29.75	-24.25	54.00	31.21	22.94	6.20	30.60	100	0 Peak



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 VERTICAL 102cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger MU03-5053055-C5

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	41.34	30.66	-9.34	40.00	48.01	13.74	0.60	31.69	102	0 Peak
2 @	51.33	34.97	-5.03	40.00	55.95	9.59	0.88	31.45	102	0 Peak
3	92.64	18.94	-24.56	43.50	39.88	9.47	1.06	31.47	102	0 Peak



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI-LOG-2004-1122 VERTICAL 197cm 0deg
 EUT : GSM Tri Band Mobile Phone
 Power : 120Vac/60Hz
 Model : FD 572116-03
 Memo : PCS1900 Idle Mode+Camera+Earphone
 : +Charger MU03-5053055-CS

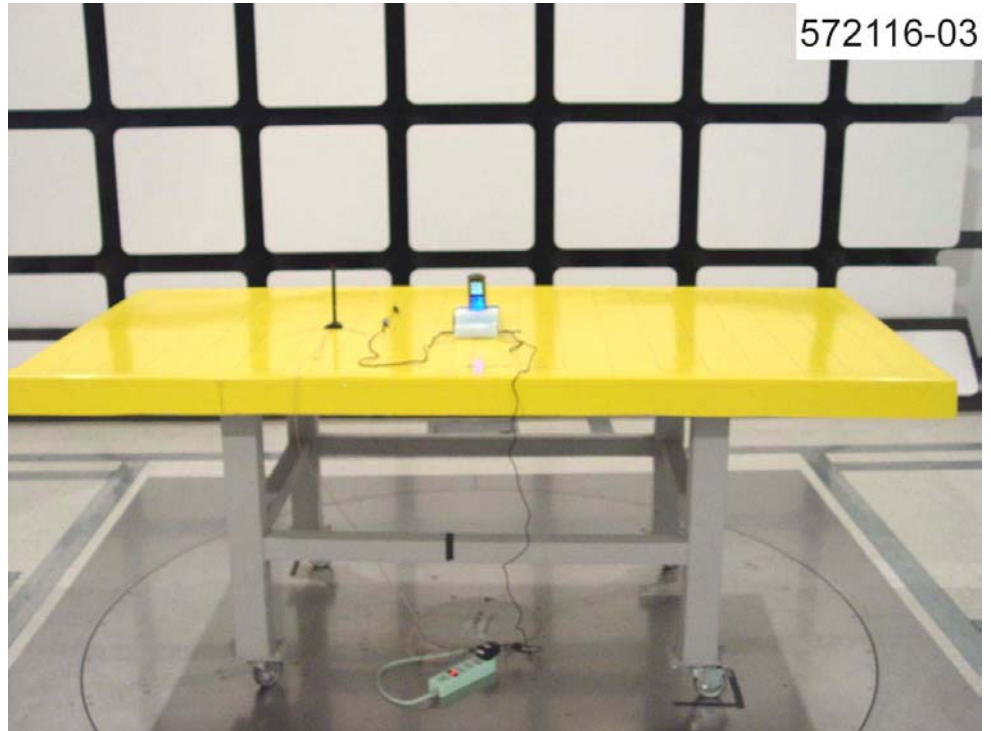
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	514.90	27.32	-18.68	46.00	37.68	16.92	3.56	30.83	197	0	Peak
2 @	799.80	27.89	-18.11	46.00	31.21	21.90	4.90	30.12	197	0	Peak
3	987.40	30.68	-23.32	54.00	32.26	22.59	6.12	30.29	197	0	Peak

Test Engineer : 
 Jay

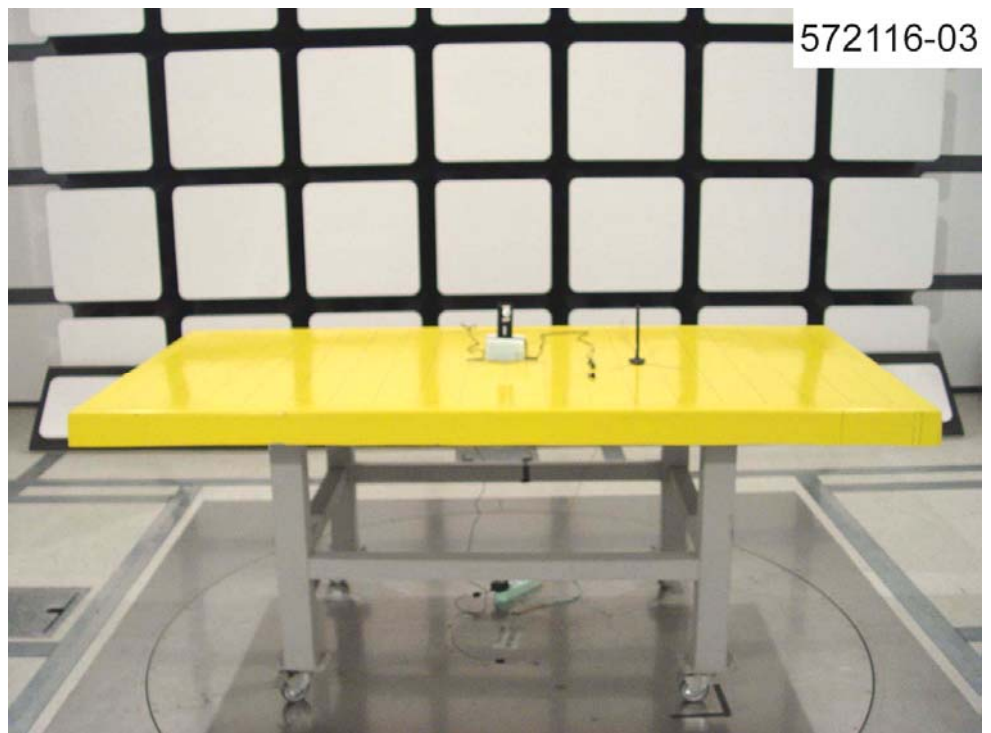
Remark: The spurious emission above 1GHz is too low to be taken.

6.5 Photographs of Radiated Emission Test Configuration

FRONT VIEW



REAR VIEW



7. List of Measuring Equipment Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Feb. 19, 2005	Feb. 19, 2006	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/009	9kHz – 30MHz	Apr. 26, 2005	Apr. 26, 2006	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	2001/008	9kHz – 30MHz	May 06, 2005	May 06, 2006	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	N/A	Conduction (CO01-HY)
EMI Filter	LINDGREN	N6006	201052	0 – 60Hz	N/A	N/A	Conduction (CO01-HY)
RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9kHz – 30MHz	Dec. 23, 2004	Dec. 23, 2005	Conduction (CO01-HY)
Antenna Mast	INN-CO	MM3000	114/8000604/L	1m~4m	NCR	N/A	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL6112B	2885	30MHz~2GHz	Nov. 21, 2004	Nov. 20, 2005	Radiation (03CH06-HY)
Controller	INN-CO	CO2000	114/8000604/L	N/A	NCR	N/A	Radiation (03CH06-HY)
Digital Radio Communication	R&S	CMD55	832796/0061	RF Link	Feb. 18, 2004	Feb. 17, 2006	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	071025	1G~18G	Feb. 01, 2005	Jan. 31, 2006	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz~2.75GHz	Jun. 28, 2005	Jun. 27, 2006	Radiation (03CH06-HY)
PreAmplifier	Agilent	8449B	3008A01917	1~26.5GHz	Mar. 29, 2005	Mar. 28, 2006	Radiation (03CH06-HY)
PreAmplifier	Com-Power	PA-103	161055	1MHz~1000MHz	Mar. 29, 2005	Mar. 28, 2006	Radiation (03CH06-HY)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	9170-249	14G~40G	Jul. 21, 2004	Jul. 20, 2006	Radiation (03CH06-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9KHz~26.5GHz	Jul. 25, 2005	Jul. 24, 2006	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0~360 Degree	NCR	N/A	Radiation (03CH06-HY)

8. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.10	Normal(k=2)	0.05
Cable loss	0.10	Normal(k=2)	0.05
AMN insertion loss	2.50	Rectangular	0.63
Receiver Spec	1.50	Rectangular	0.43
Site imperfection	1.39	Rectangular	0.80
Mismatch	+0.34/-0.35	U-shape	0.24
combined standard uncertainty Uc(y)	1.13		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.26		

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.41	Normal(k=2)	0.21
Antenna factor calibration	0.83	Normal(k=2)	0.42
Cable loss calibration	0.25	Normal(k=2)	0.13
Pre Amplifier Gain calibration	0.27	Normal(k=2)	0.14
RCV/SPA specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site imperfection	1.43	Rectangular	0.83
Mismatch	+0.39/-0.41	U-shaped	0.28
combined standard uncertainty Uc(y)	1.27		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.54		

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of \bar{x}_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty $U_c(y)$	2.36				
Measuring uncertainty for a level of confidence of 95% $U = 2U_c(y)$	4.72				

9. Certificate of NVLAP Accreditation

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®]

Certificate of Accreditation

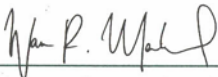
ISO/IEC 17025:1999
ISO 9002:1994


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ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

December 31, 2005
Effective through


For the National Institute of Standards and Technology
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NVLAP-01C (06-01)