

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Antenna, Horn	ETS	3115	AHW	NCR	0
Universal Radio Communication Tester	Rhode & Schwartz	CMU200	BSU	12/21/2006	24
Attenuator	Pasternack	PE7005-10	RBP	2/1/2008	13
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	6/8/2007	13
Spectrum Analyzer	Agilent	E4446A	AAV	12/18/2007	12

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The antenna port spurious emissions were measured at the RF output terminal of the EUT with 30dB of external attenuation on the RF input of the spectrum analyzer. Analyzer plots utilizing a 1MHz resolution bandwidth and no video filtering were made for each modulation type from 0 to 10 GHz. The peak conducted power of spurious emissions, up to the 10th harmonic of the transmit frequency, were investigated to ensure they were less than or equal to -13 dBm.

Spurious Conducted Emissions

EMC

EUT:	Siemens MC75 installed in TDS Nomad	Work Order:	TRPO0040
Serial Number:	None	Date:	04/15/08
Customer:	Tripod Data Systems, Inc.	Temperature:	22°C
Attendees:	None	Humidity:	29%
Project:	None	Barometric Pres.:	1014.9
Tested by:	Holly Ashkannejhad	Power:	120VAC/60Hz
		Job Site:	EV06

TEST SPECIFICATIONS		Test Method	
FCC 22H:2007		ANSI/TIA/EIA-603-B-2002	

COMMENTS
Cellular band

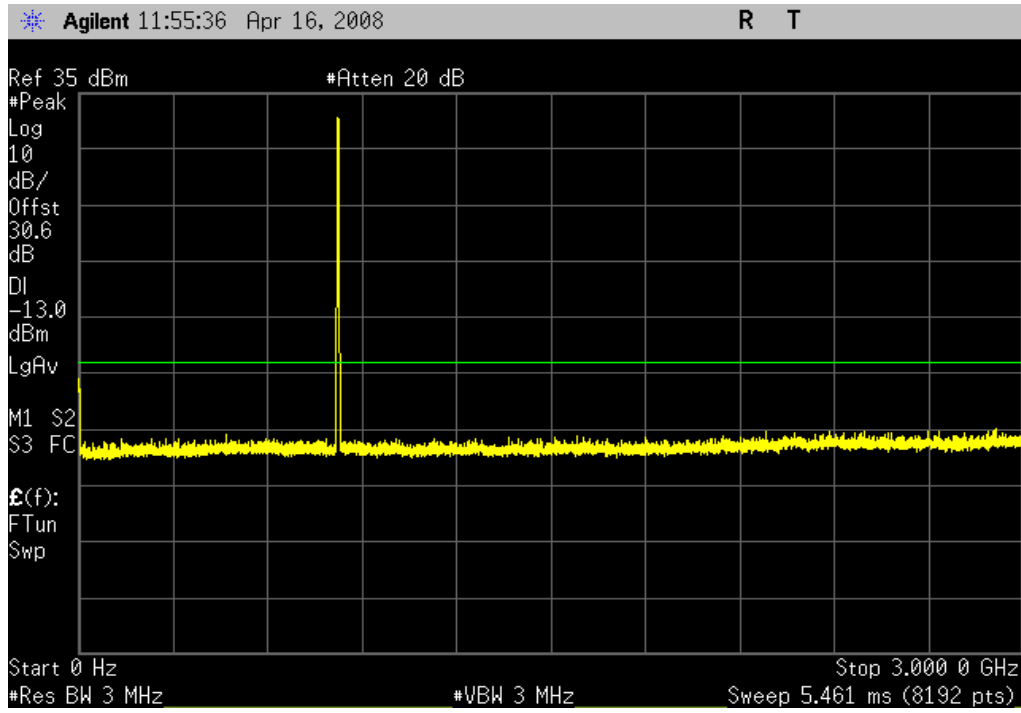
DEVIATIONS FROM TEST STANDARD
No Deviations

Configuration #	2	Signature <i>Holly Ashkannejhad</i>
------------------------	---	-------------------------------------

		Value	Limit	Results
GSM Modulation				
	Low Channel, Ch. 128, 824.2Mhz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	Mid Channel, Ch. 190, 836.6Mhz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	High Channel, Ch. 251, 848.8MHz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
GPRS Modulation				
	Low Channel, Ch. 128, 824.2Mhz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	Mid Channel, Ch. 190, 836.6Mhz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	High Channel, Ch. 251, 848.8MHz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
EDGE Modulation				
	Low Channel, Ch. 128, 824.2Mhz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	Mid Channel, Ch. 190, 836.6Mhz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	High Channel, Ch. 251, 848.8MHz			
	0 MHz - 3 GHz	≤ -13 dBm	≤ -13 dBm	Pass
	3 GHz - 10 GHz	≤ -13 dBm	≤ -13 dBm	Pass

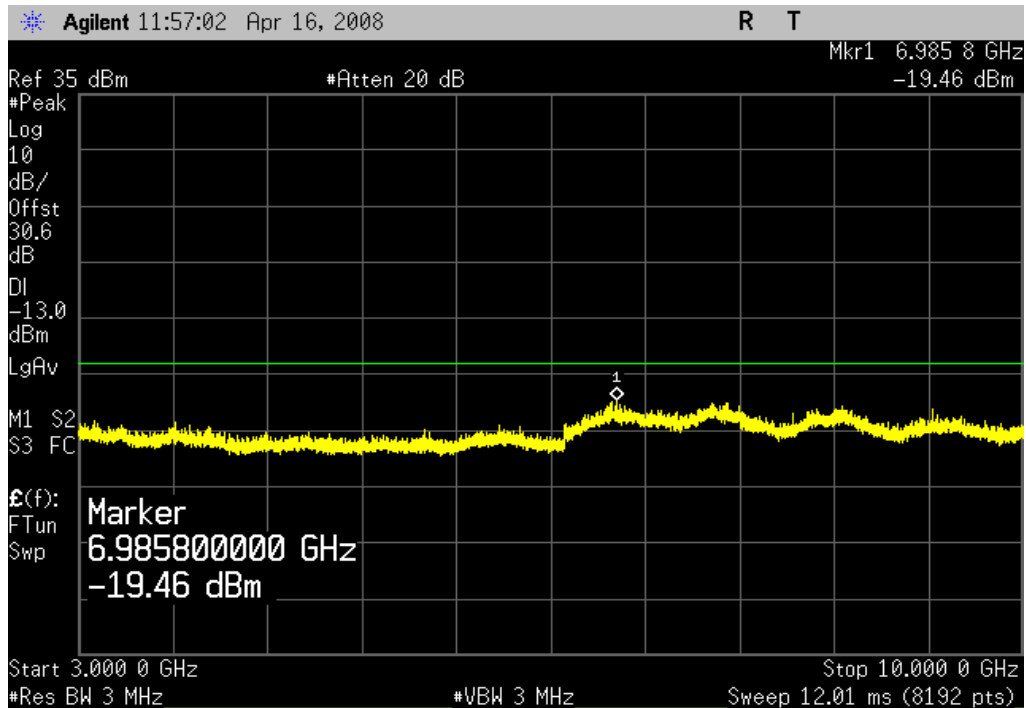
GSM Modulation, Low Channel, Ch. 128, 824.2MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



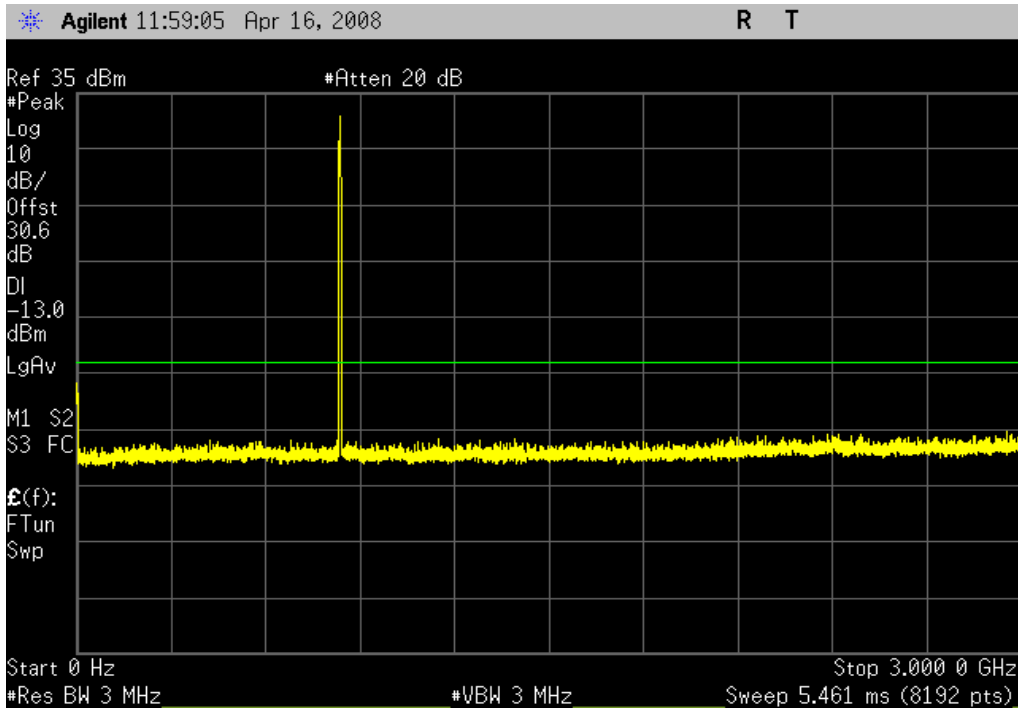
GSM Modulation, Low Channel, Ch. 128, 824.2MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



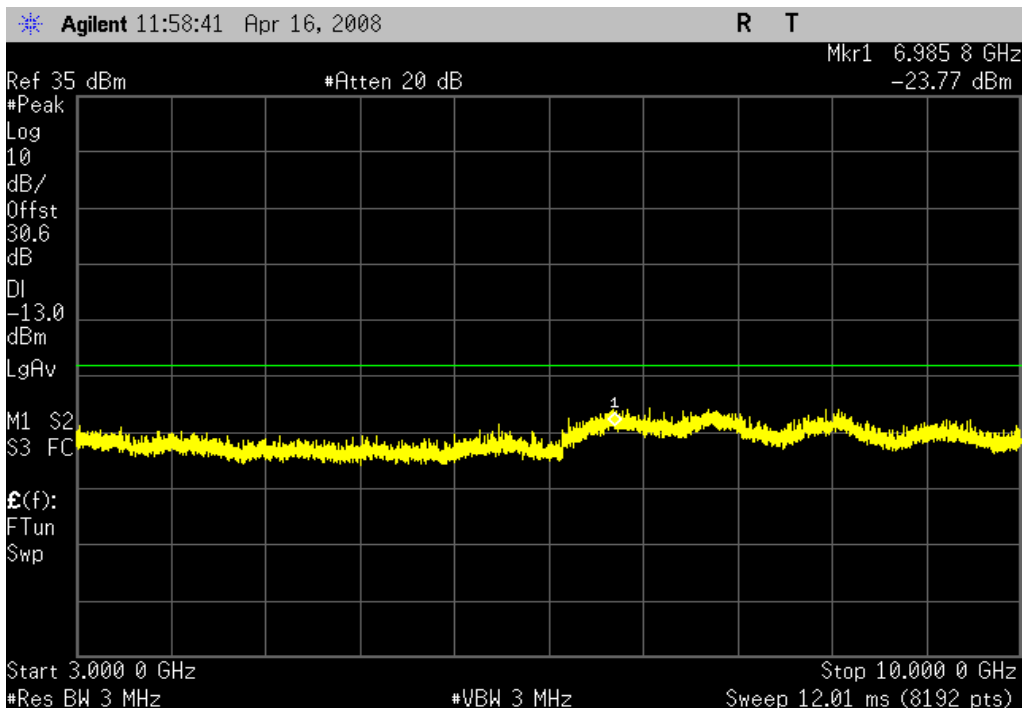
GSM Modulation, Mid Channel, Ch. 190, 836.6Mhz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



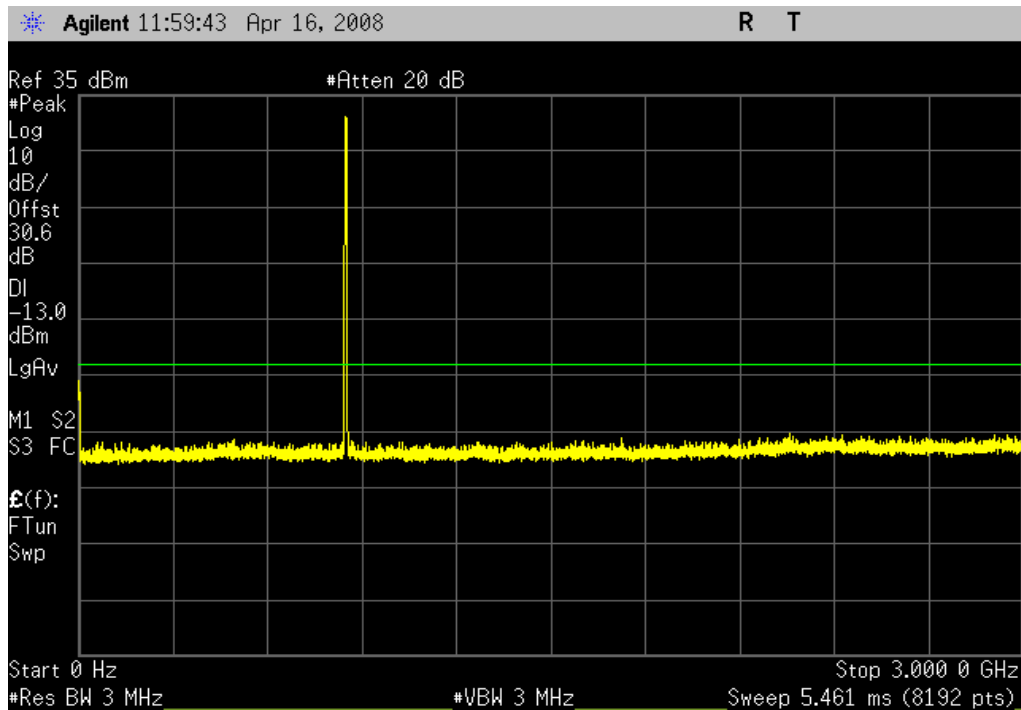
GSM Modulation, Mid Channel, Ch. 190, 836.6Mhz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



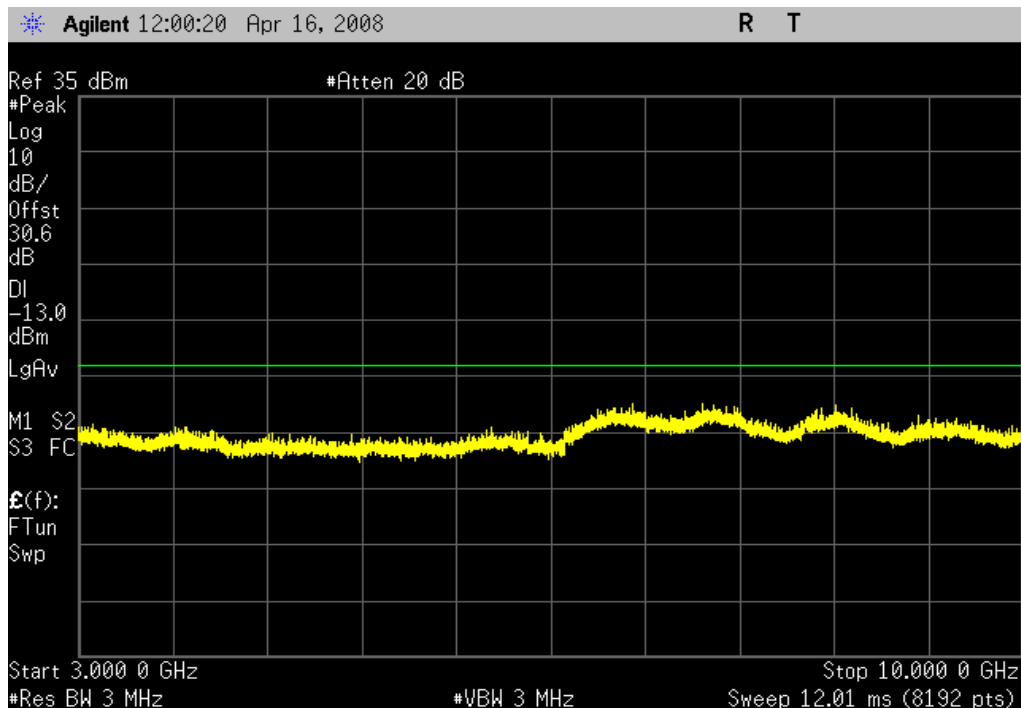
GSM Modulation, High Channel, Ch. 251, 848.8MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



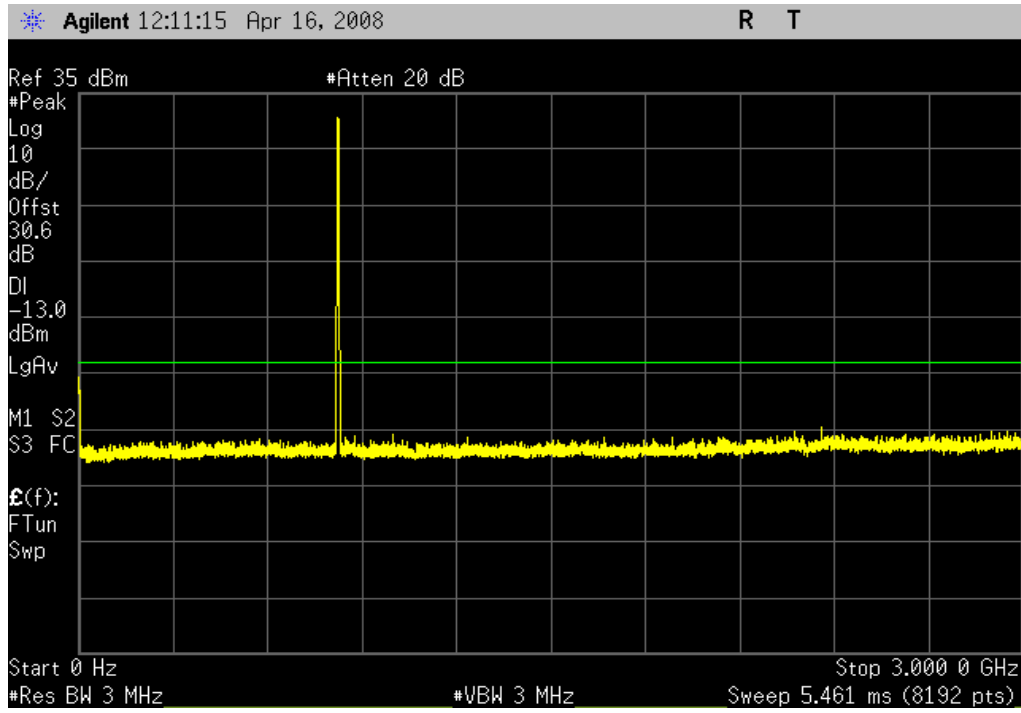
GSM Modulation, High Channel, Ch. 251, 848.8MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



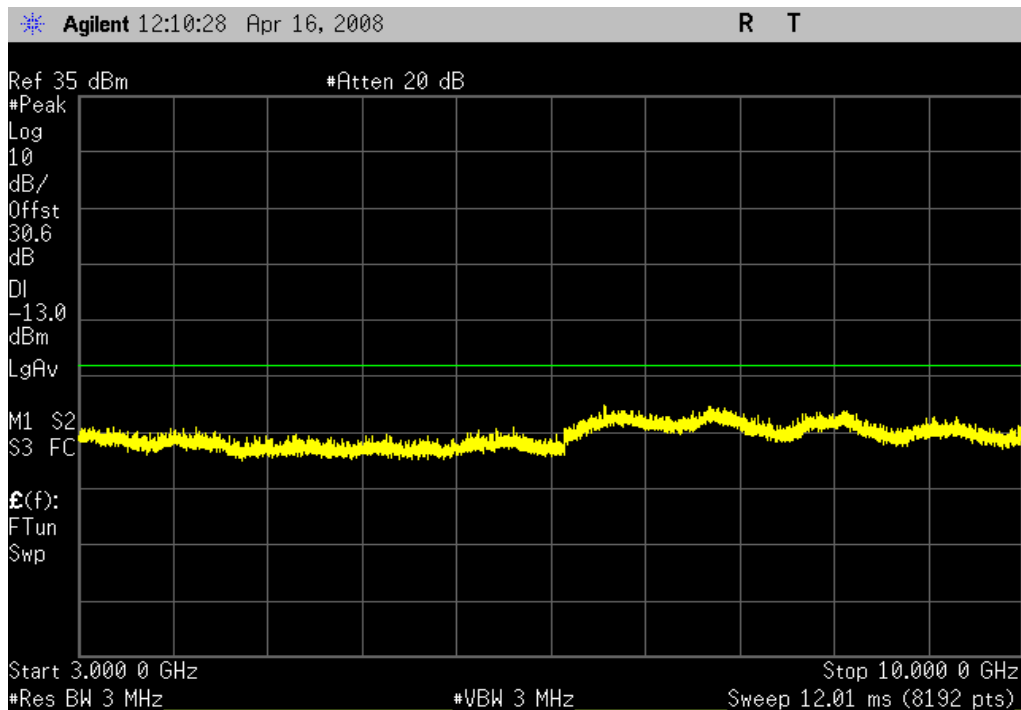
GPRS Modulation, Low Channel, Ch. 128, 824.2Mhz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



GPRS Modulation, Low Channel, Ch. 128, 824.2Mhz, 3 GHz - 10 GHz

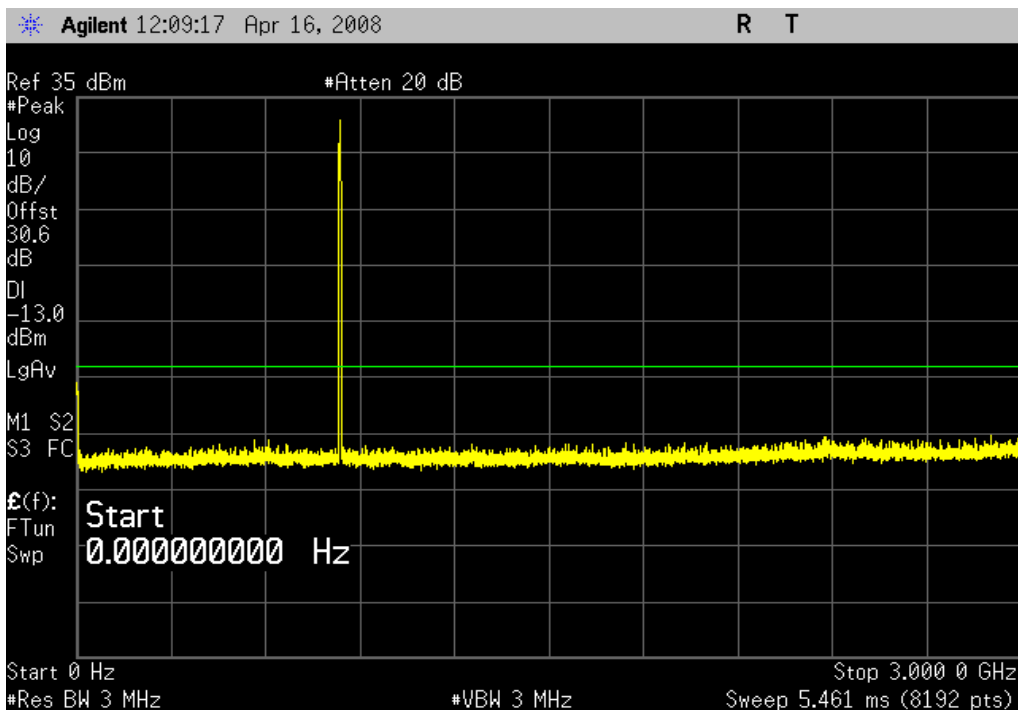
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

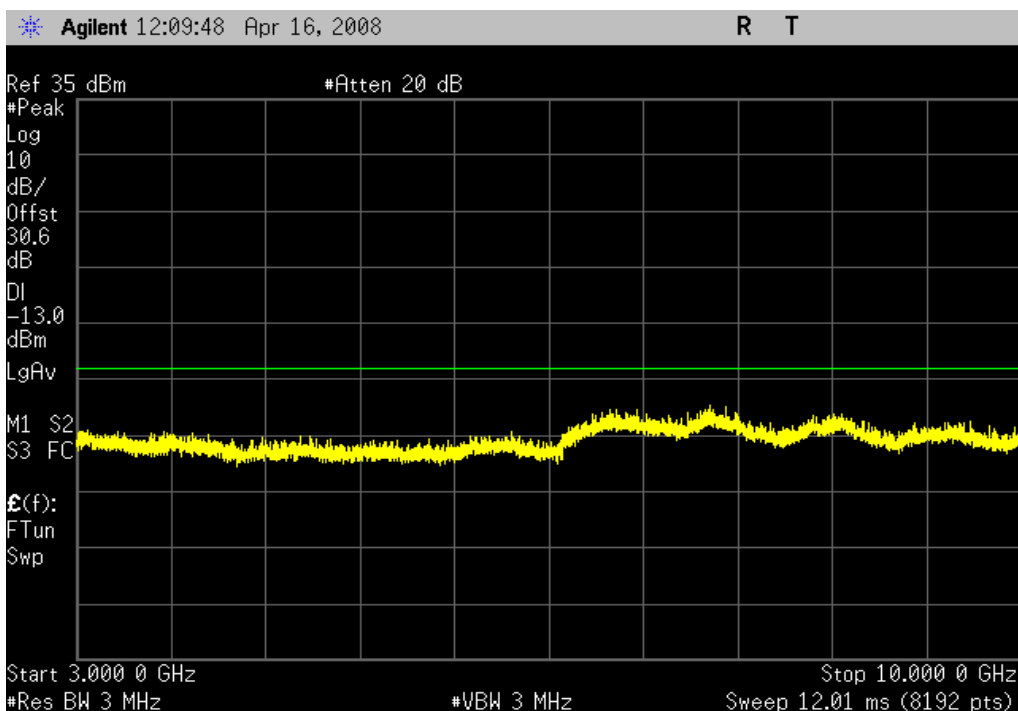
GPRS Modulation, Mid Channel, Ch. 190, 836.6Mhz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



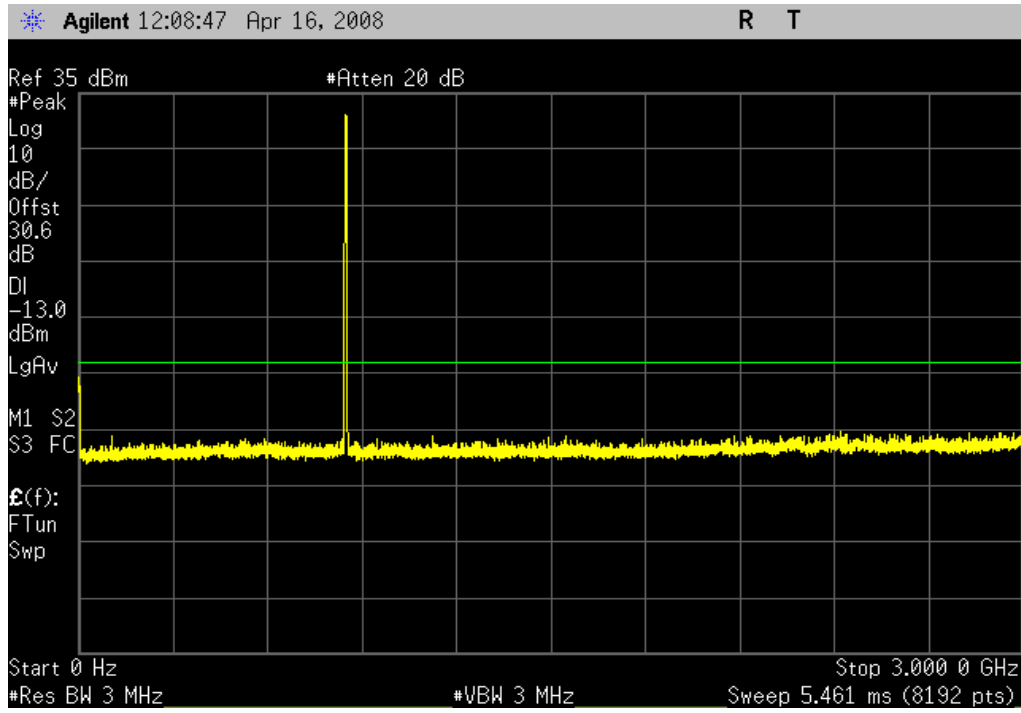
GPRS Modulation, Mid Channel, Ch. 190, 836.6Mhz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



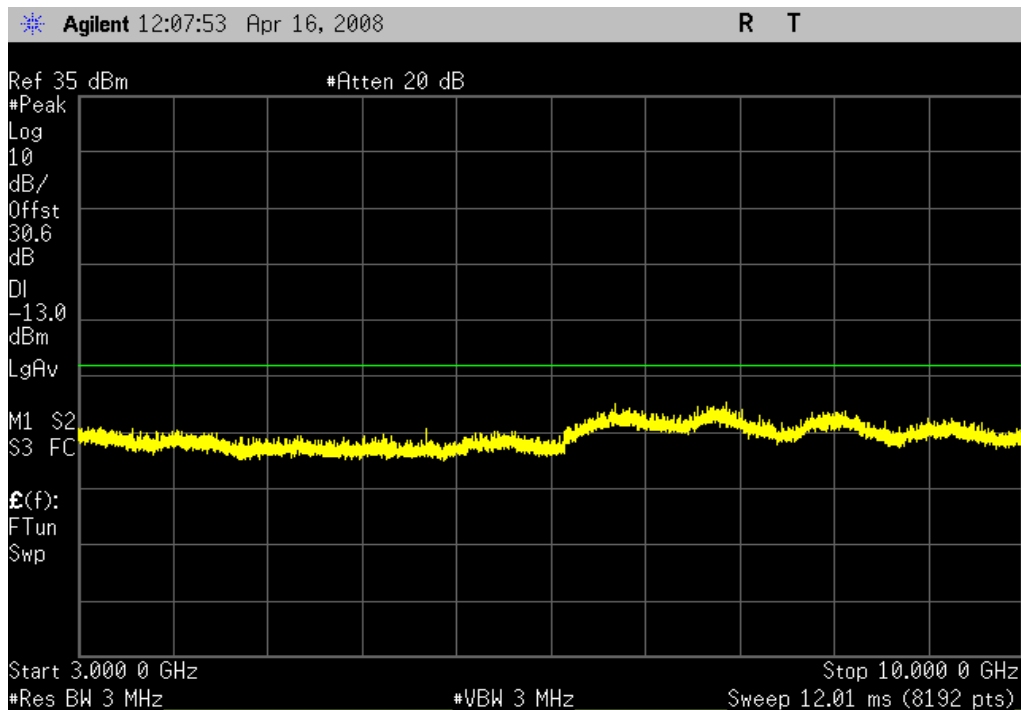
GPRS Modulation, High Channel, Ch. 251, 848.8MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



GPRS Modulation, High Channel, Ch. 251, 848.8MHz, 3 GHz - 10 GHz

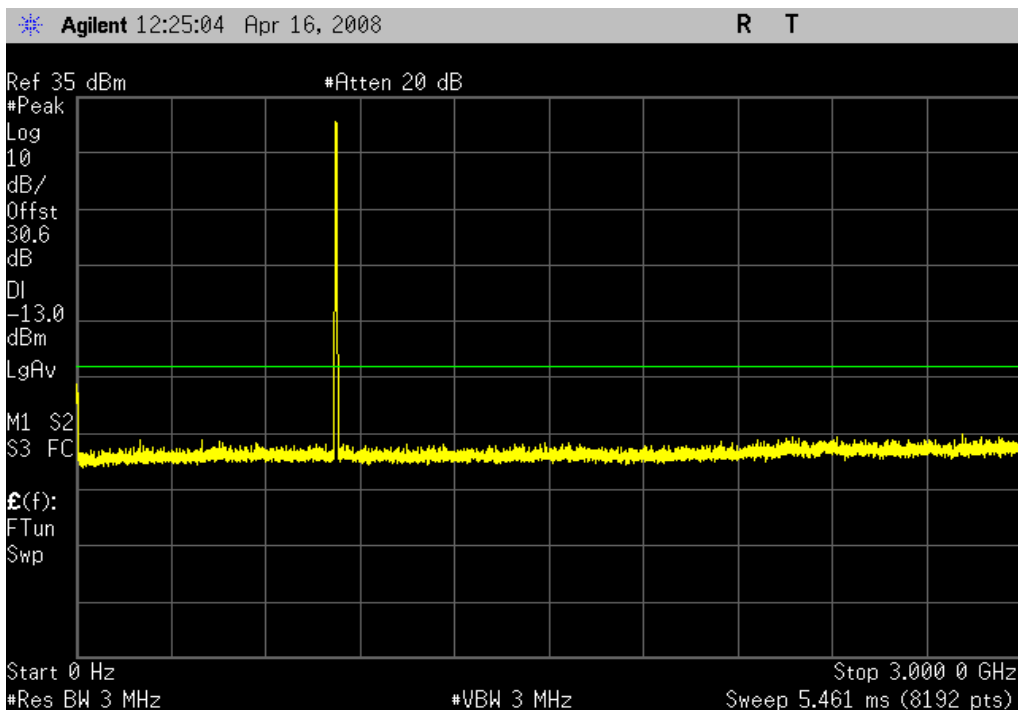
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

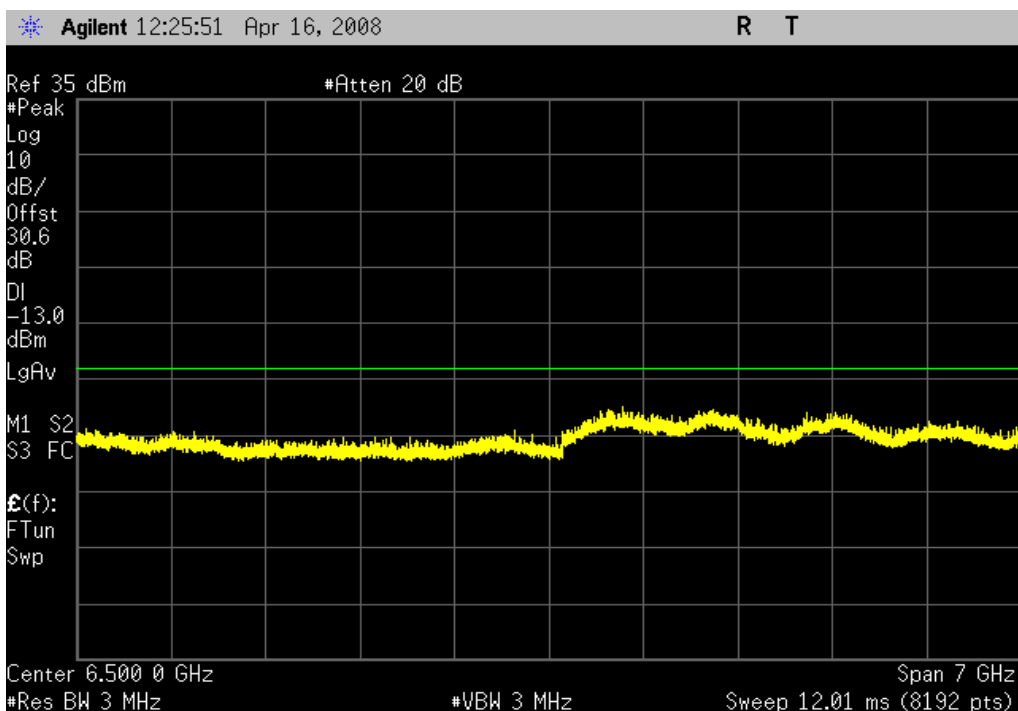
EDGE Modulation, Low Channel, Ch. 128, 824.2Mhz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



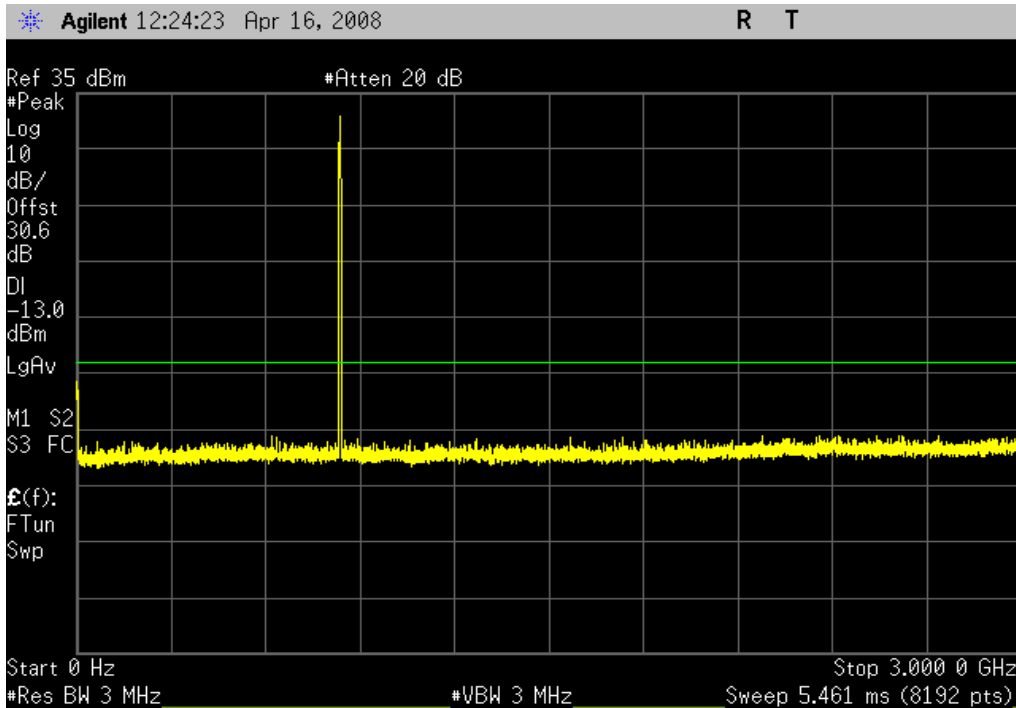
EDGE Modulation, Low Channel, Ch. 128, 824.2Mhz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



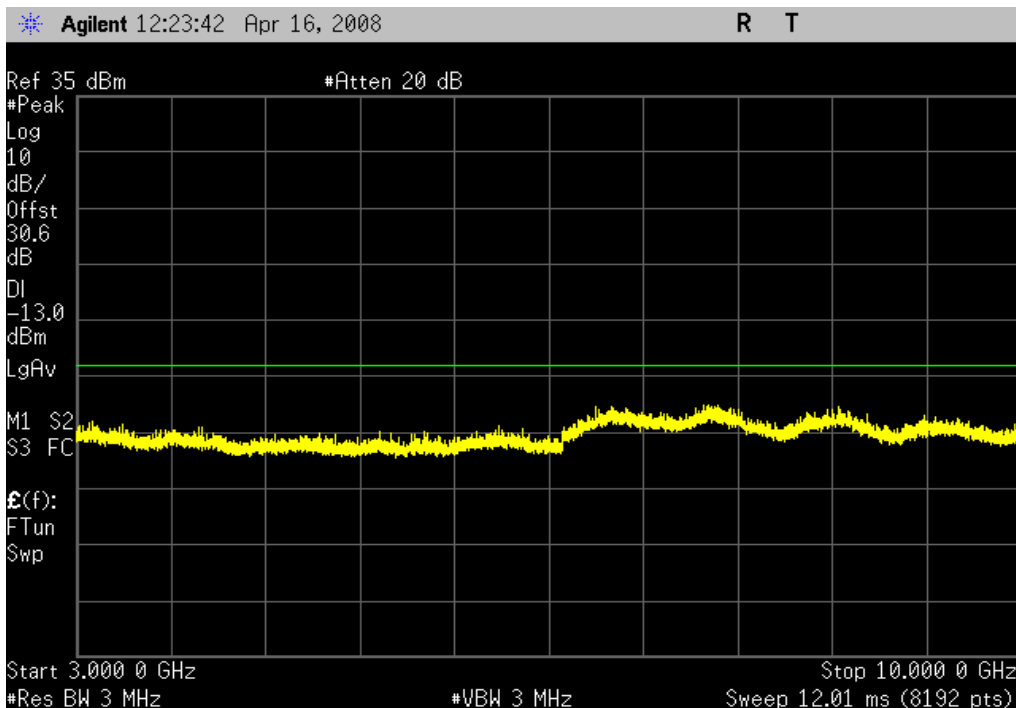
EDGE Modulation, Mid Channel, Ch. 190, 836.6Mhz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



EDGE Modulation, Mid Channel, Ch. 190, 836.6Mhz, 3 GHz - 10 GHz

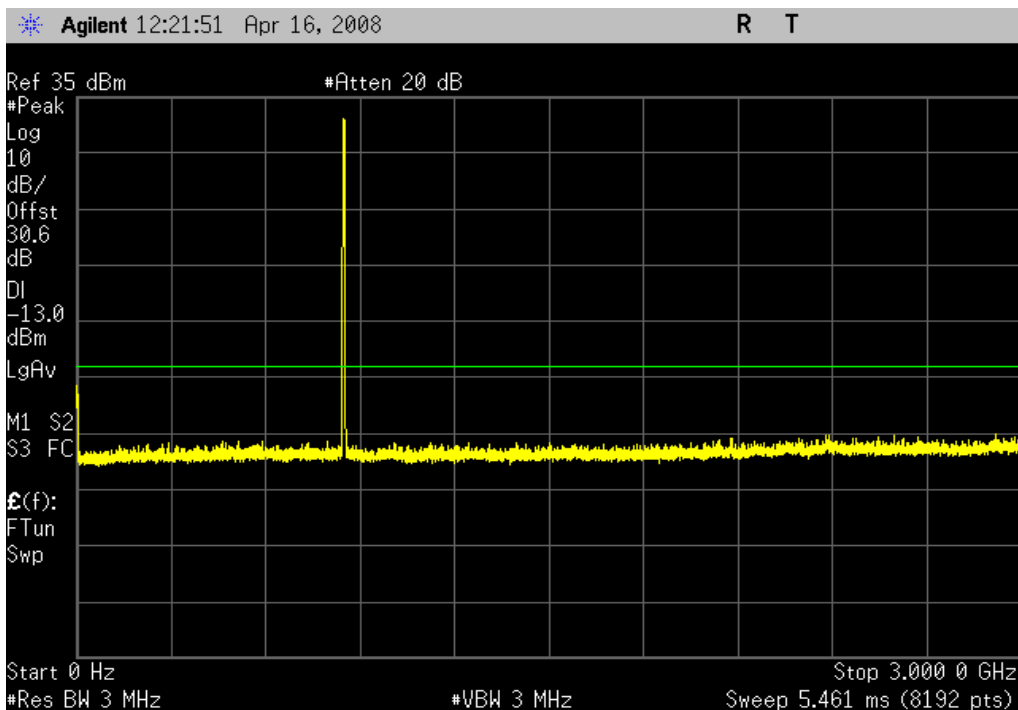
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

EDGE Modulation, High Channel, Ch. 251, 848.8MHz, 0 MHz - 3 GHz

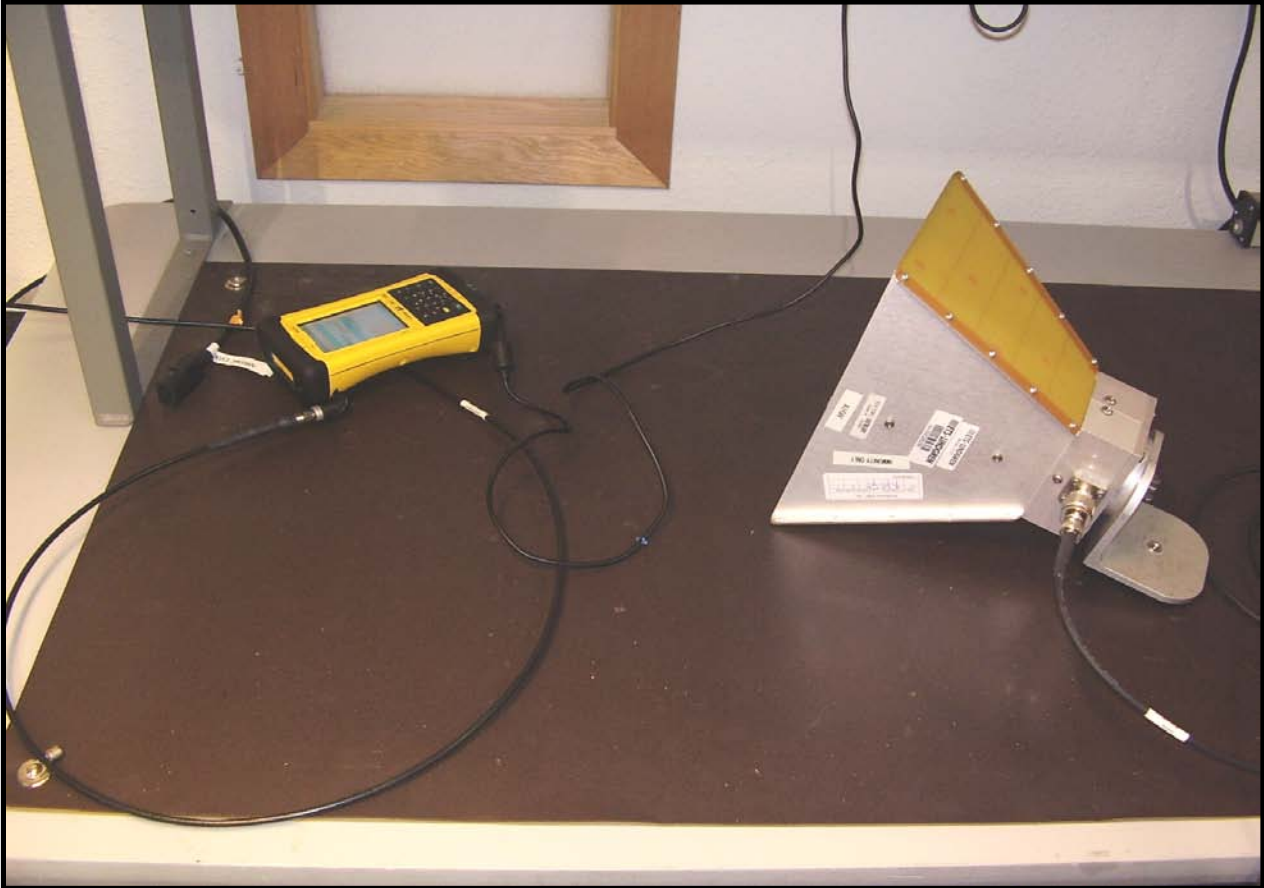
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



EDGE Modulation, High Channel, Ch. 251, 848.8MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Antenna, Horn	ETS	3115	AHW	NCR	0
Universal Radio Communication Tester	Rhode & Schwartz	CMU200	BSU	12/21/2006	24
Attenuator	Pasternack	PE7005-10	RBP	2/1/2008	13
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	6/8/2007	13
Spectrum Analyzer	Agilent	E4446A	AAY	12/18/2007	12

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The antenna port spurious emissions were measured at the RF output terminal of the EUT with 30dB of external attenuation on the RF input of the spectrum analyzer. Analyzer plots utilizing a 1MHz resolution bandwidth and no video filtering were made for each modulation type from 0 to 20 GHz. The peak conducted power of spurious emissions, up to the 10th harmonic of the transmit frequency, were investigated to ensure they were less than or equal to -13 dBm.

Spurious Conducted Emissions

EMC

EUT:	Siemens MC75 installed in TDS Nomad	Work Order:	TRPO0040
Serial Number:	None	Date:	04/15/08
Customer:	Tripod Data Systems, Inc.	Temperature:	22°C
Attendees:	None	Humidity:	29%
Project:	None	Barometric Pres.:	1014.6
Tested by:	Holly Ashkannejhad	Power:	120VAC/60Hz
		Job Site:	EV06

TEST SPECIFICATIONS		Test Method
FCC 24E:2007		ANSI/TIA/EIA-603-B-2002

COMMENTS
PCS Band

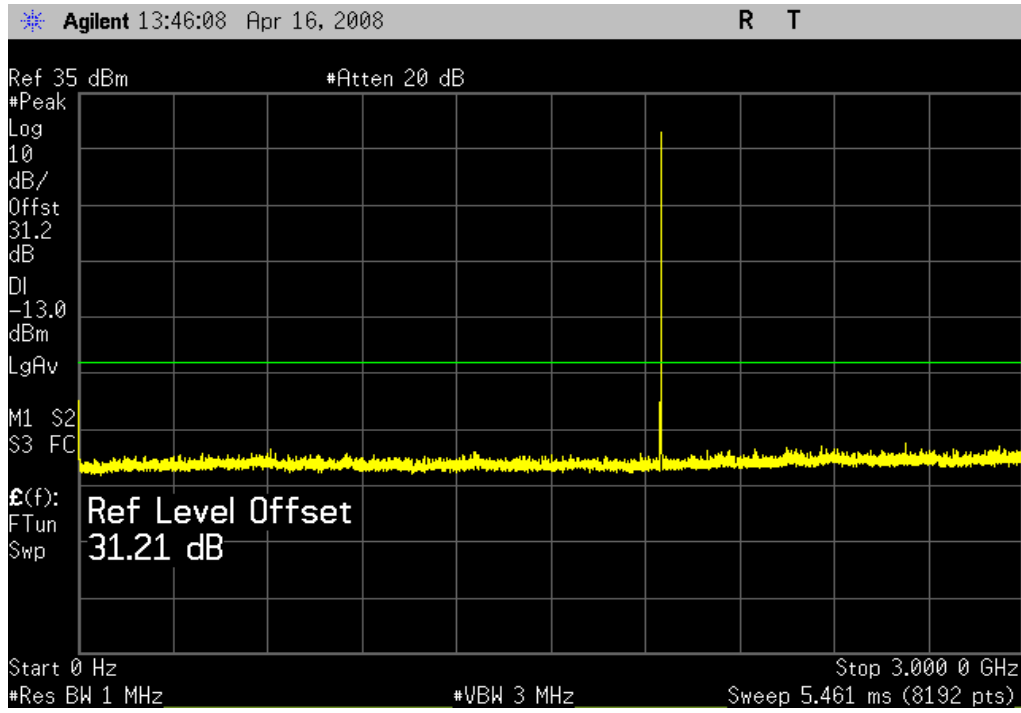
DEVIATIONS FROM TEST STANDARD
No Deviations

Configuration #	2	Signature <i>Holly Ashkannejhad</i>
-----------------	---	-------------------------------------

		Value	Limit	Results
GSM Modulation				
	Low channel, Ch. 512, 1850.2MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	Mid channel, Ch. 661, 1880MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	High channel, Ch. 810, 1909.8MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
GPRS Modulation				
	Low channel, Ch. 512, 1850.2MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	Mid channel, Ch. 661, 1880MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	High channel, Ch. 810, 1909.8MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
EDGE Modulation				
	Low channel, Ch. 512, 1850.2MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	Mid channel, Ch. 661, 1880MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	High channel, Ch. 810, 1909.8MHz			
	0 MHz - 3 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	3 GHz - 10 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass
	10 GHz - 20 GHz	≤ - 13 dBm	≤ - 13 dBm	Pass

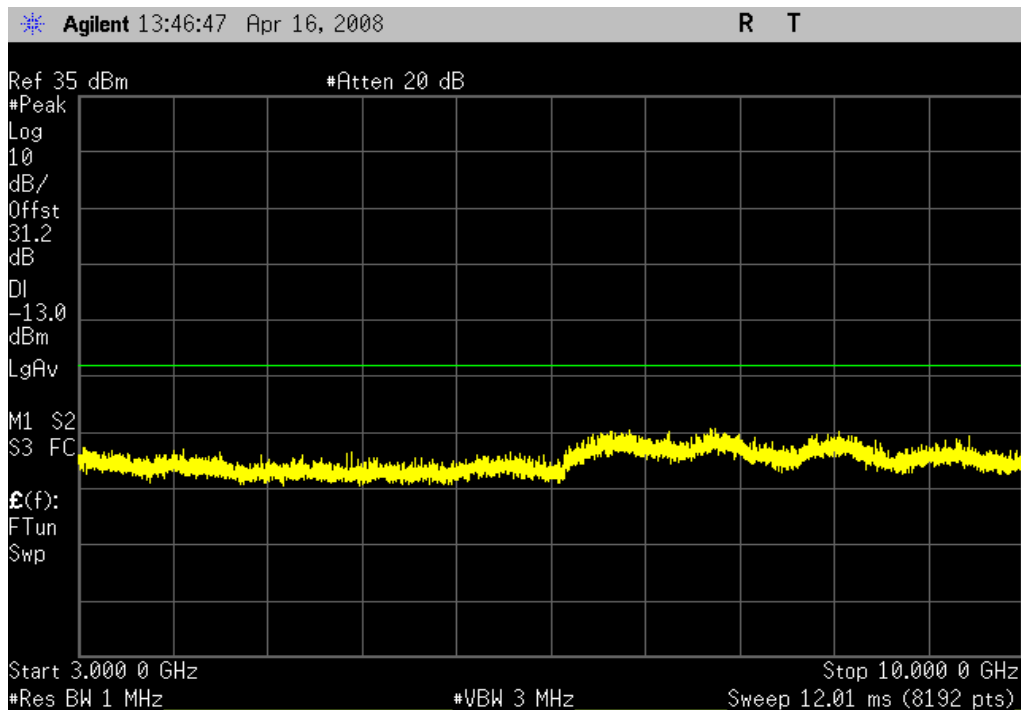
GSM Modulation, Low channel, Ch. 512, 1850.2MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



GSM Modulation, Low channel, Ch. 512, 1850.2MHz, 3 GHz - 10 GHz

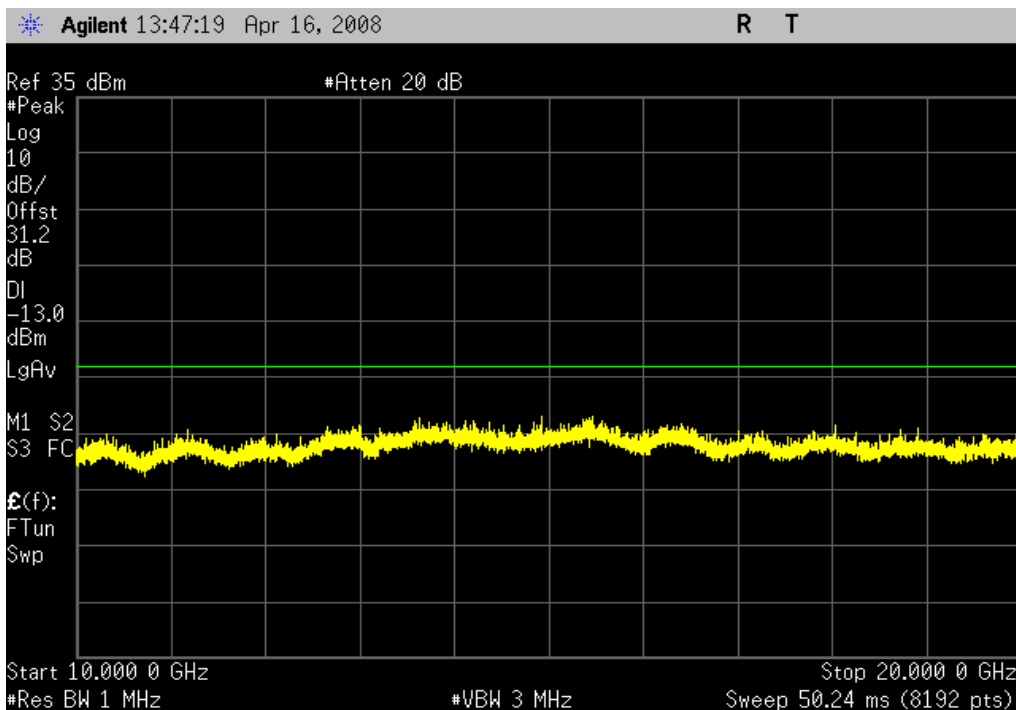
Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



Spurious Conducted Emissions

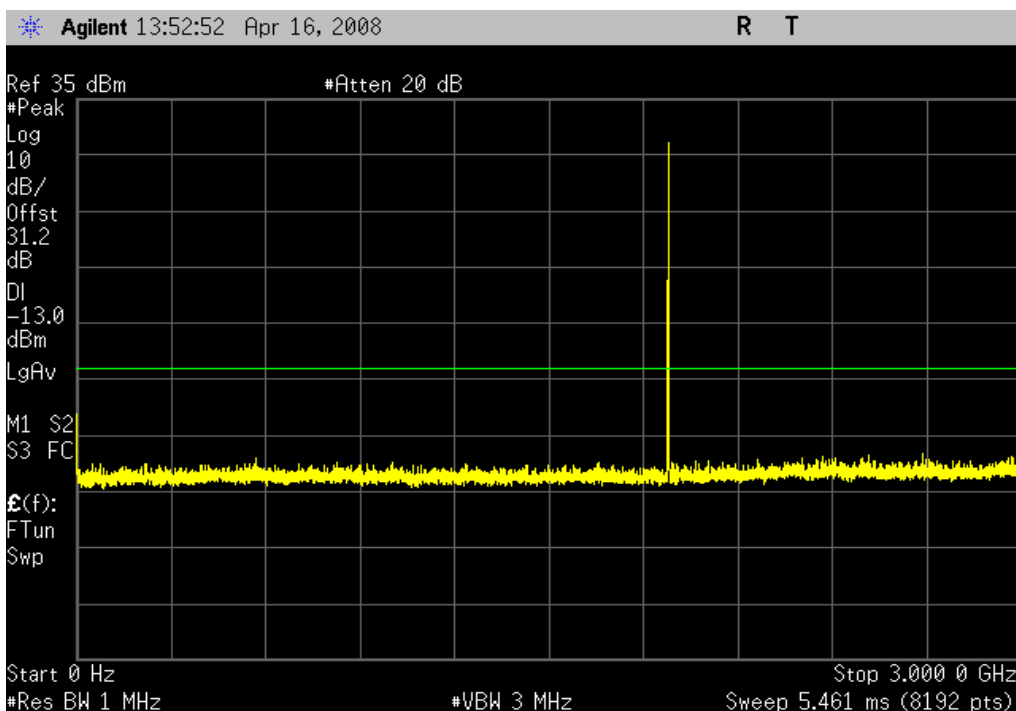
GSM Modulation, Low channel, Ch. 512, 1850.2MHz, 10 GHz - 20 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



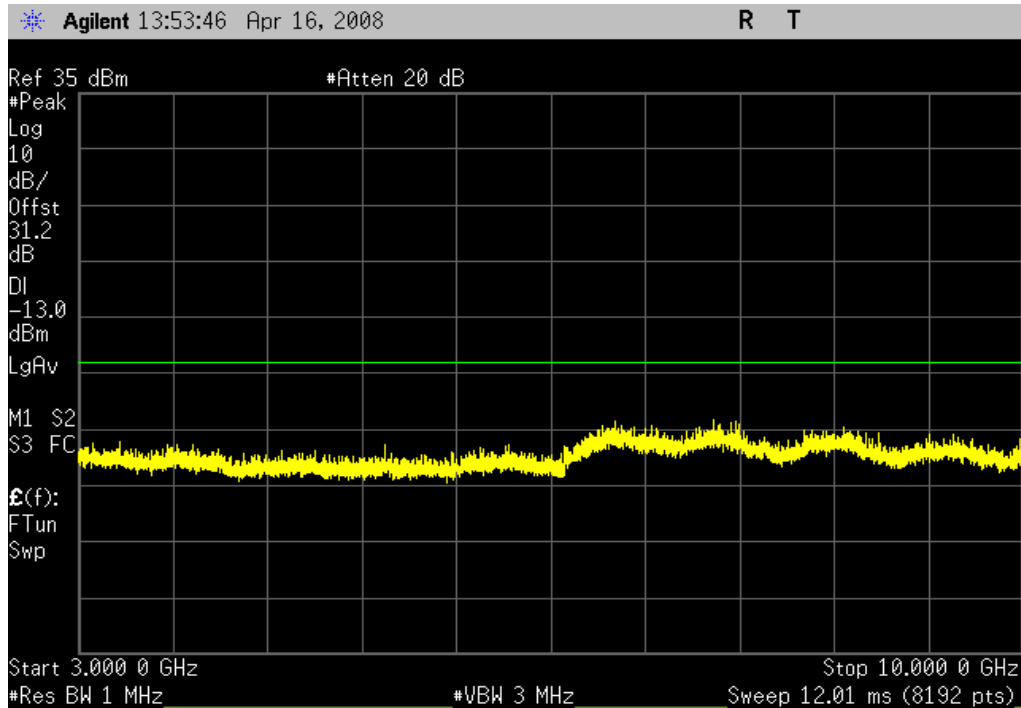
GSM Modulation, Mid channel, Ch. 661, 1880MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



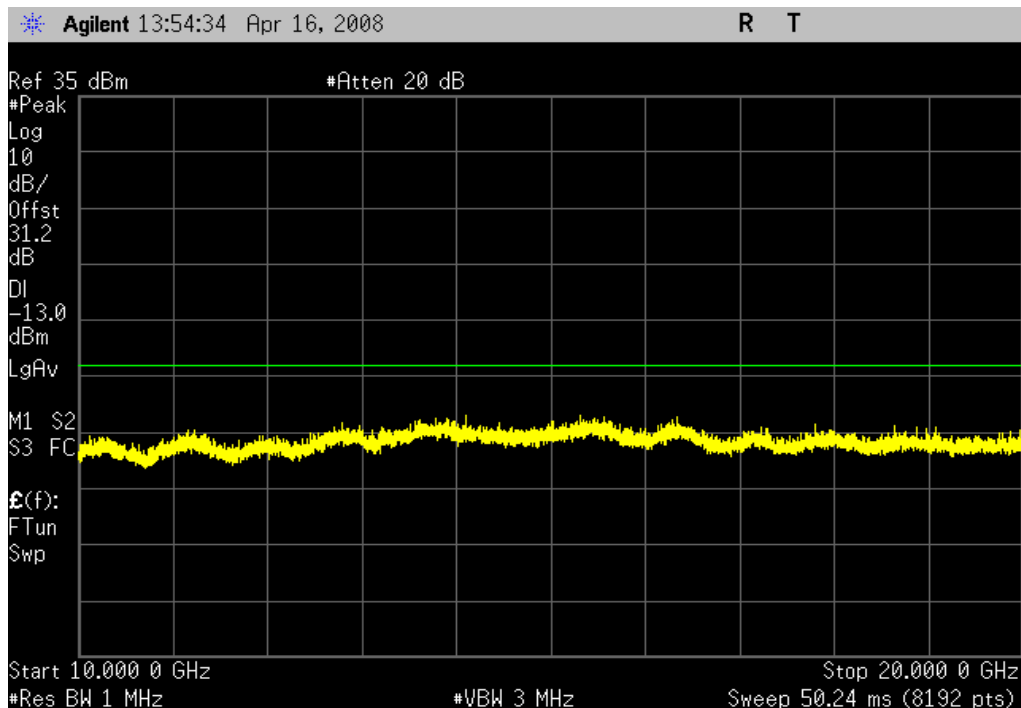
GSM Modulation, Mid channel, Ch. 661, 1880MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



GSM Modulation, Mid channel, Ch. 661, 1880MHz, 10 GHz - 20 GHz

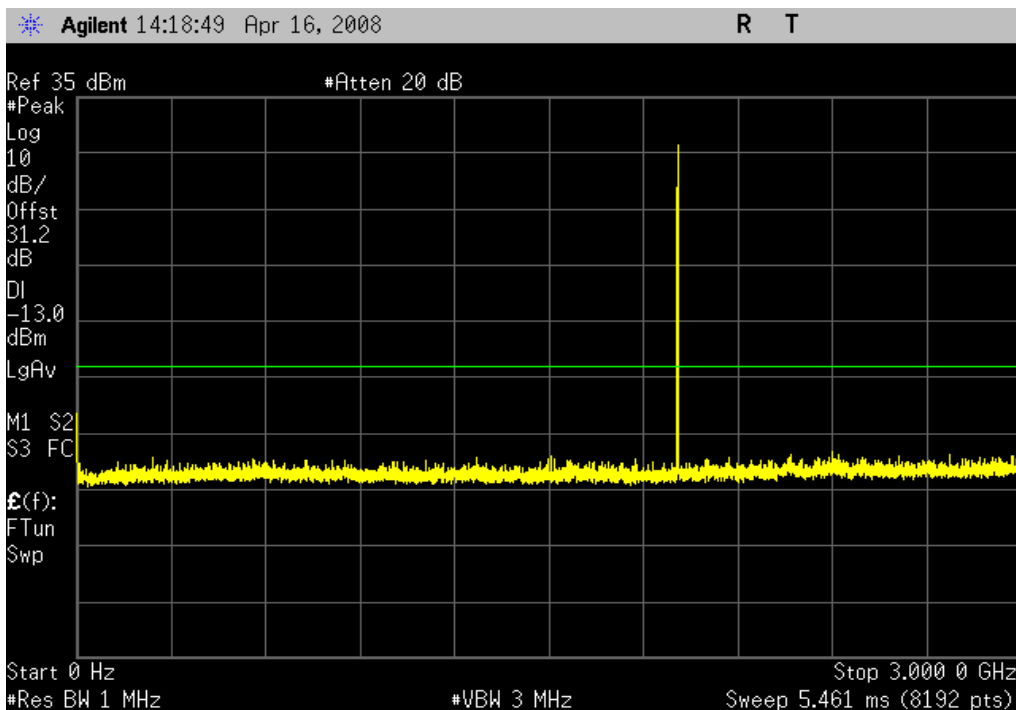
Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



Spurious Conducted Emissions

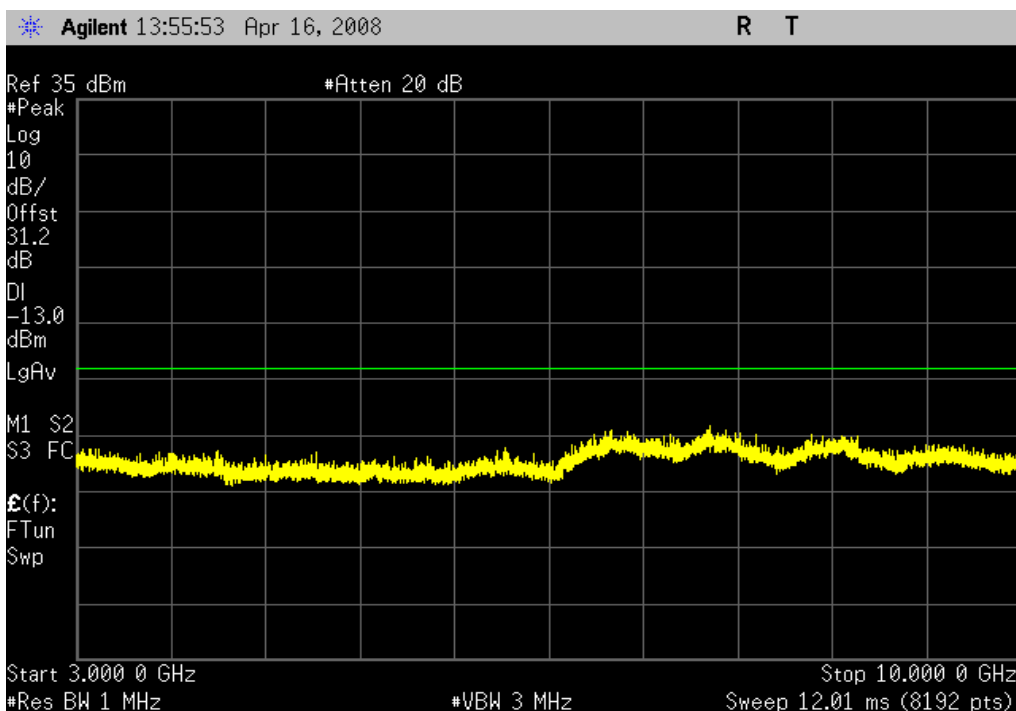
GSM Modulation, High channel, Ch. 810, 1909.8MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



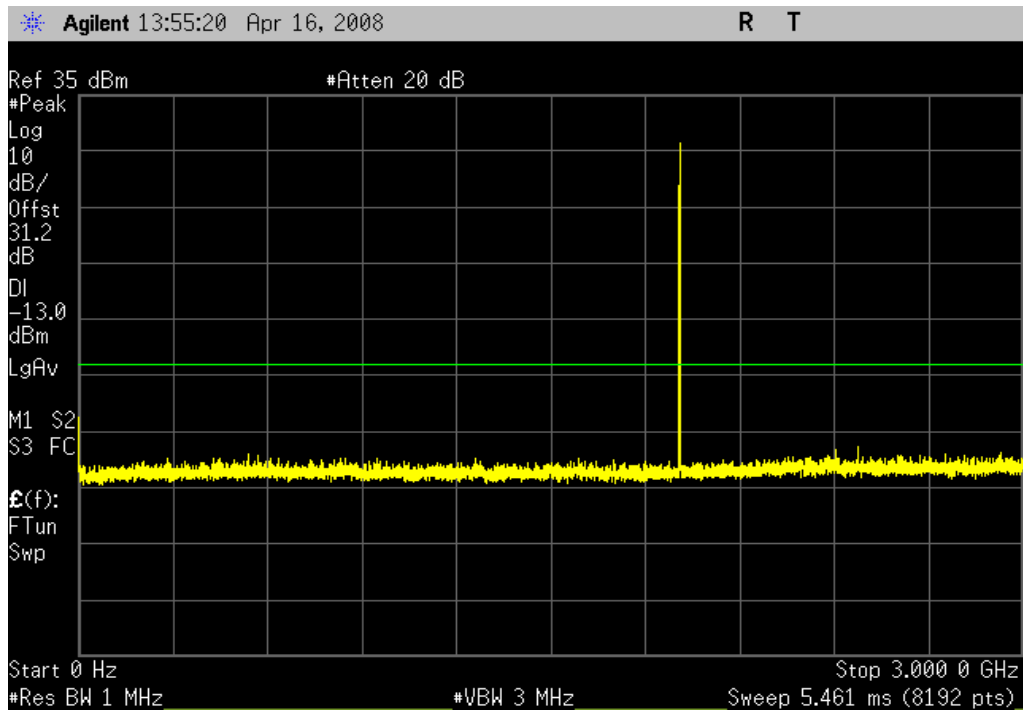
GSM Modulation, High channel, Ch. 810, 1909.8MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



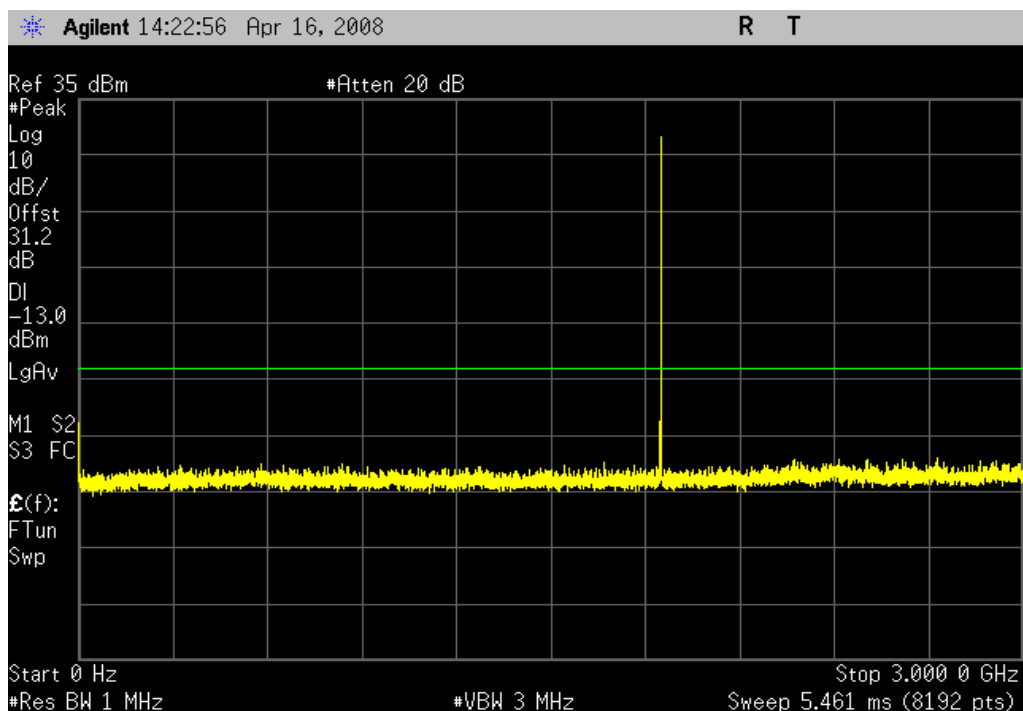
GSM Modulation, High channel, Ch. 810, 1909.8MHz, 10 GHz - 20 GHz

Result: Pass

Value: ≤ -13 dBmLimit: ≤ -13 dBm

GPRS Modulation, Low channel, Ch. 512, 1850.2MHz, 0 MHz - 3 GHz

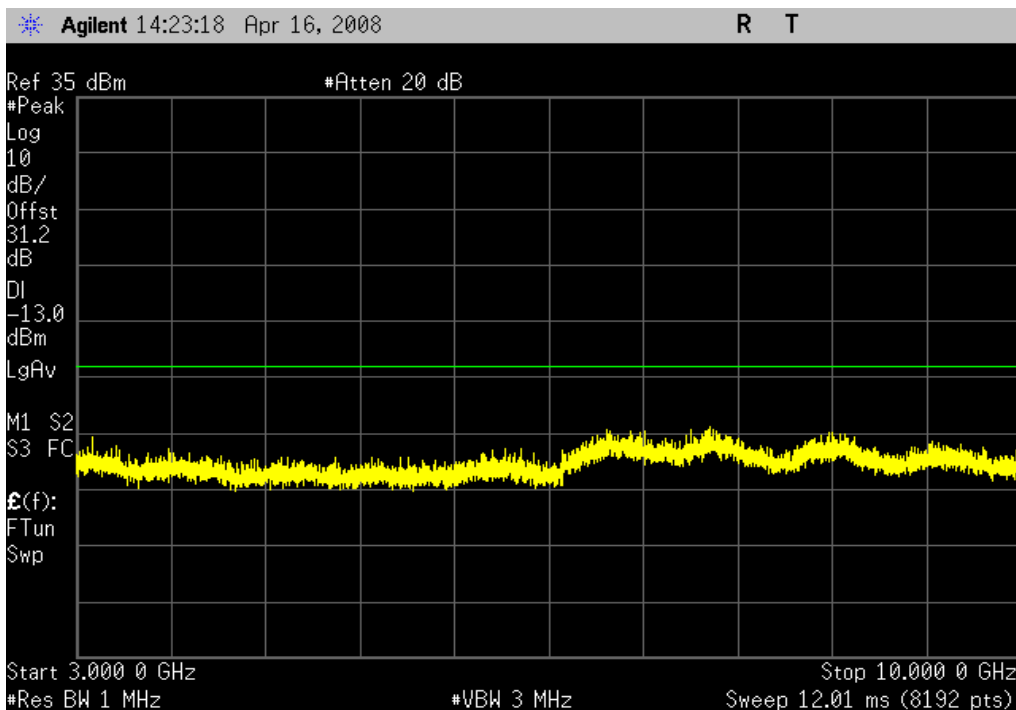
Result: Pass

Value: ≤ -13 dBmLimit: ≤ -13 dBm

Spurious Conducted Emissions

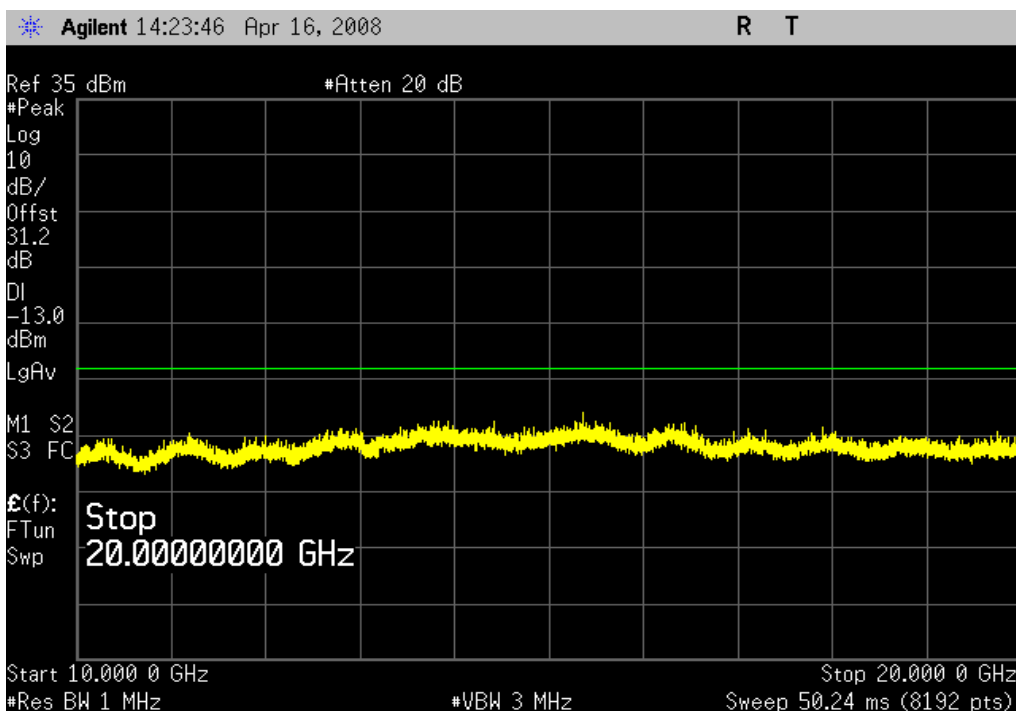
GPRS Modulation, Low channel, Ch. 512, 1850.2MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



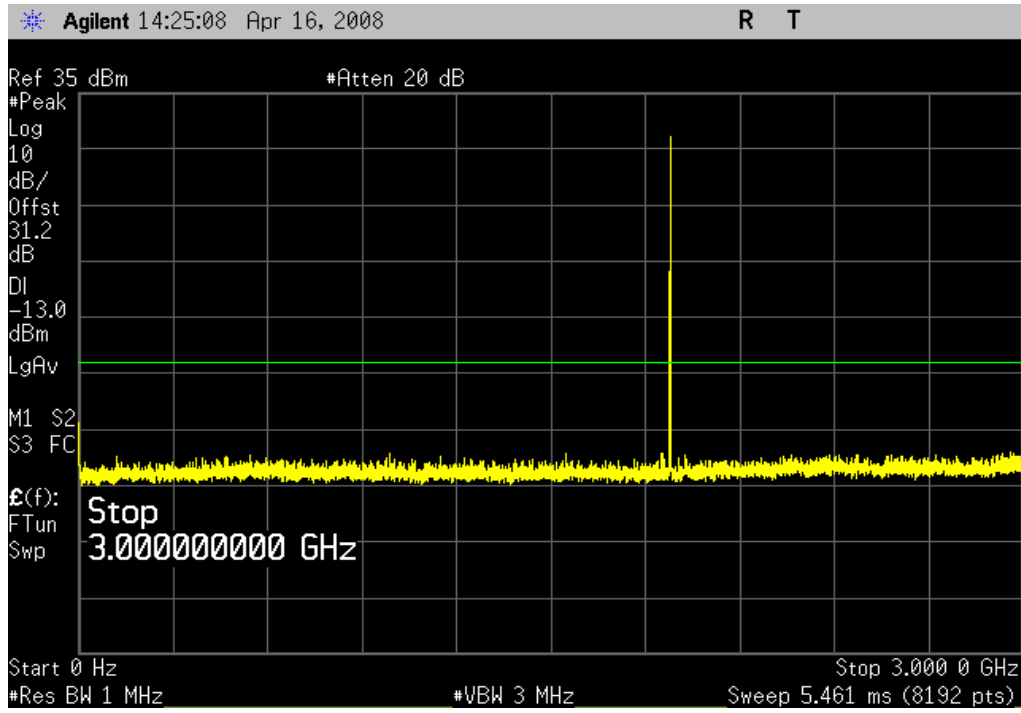
GPRS Modulation, Low channel, Ch. 512, 1850.2MHz, 10 GHz - 20 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



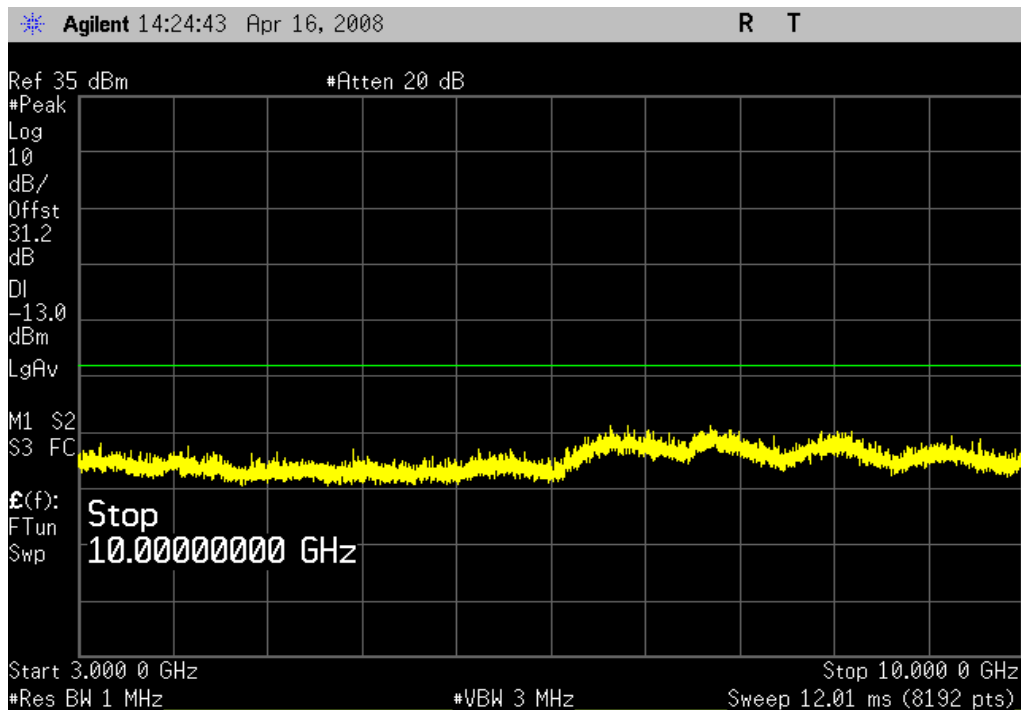
GPRS Modulation, Mid channel, Ch. 661, 1880MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



GPRS Modulation, Mid channel, Ch. 661, 1880MHz, 3 GHz - 10 GHz

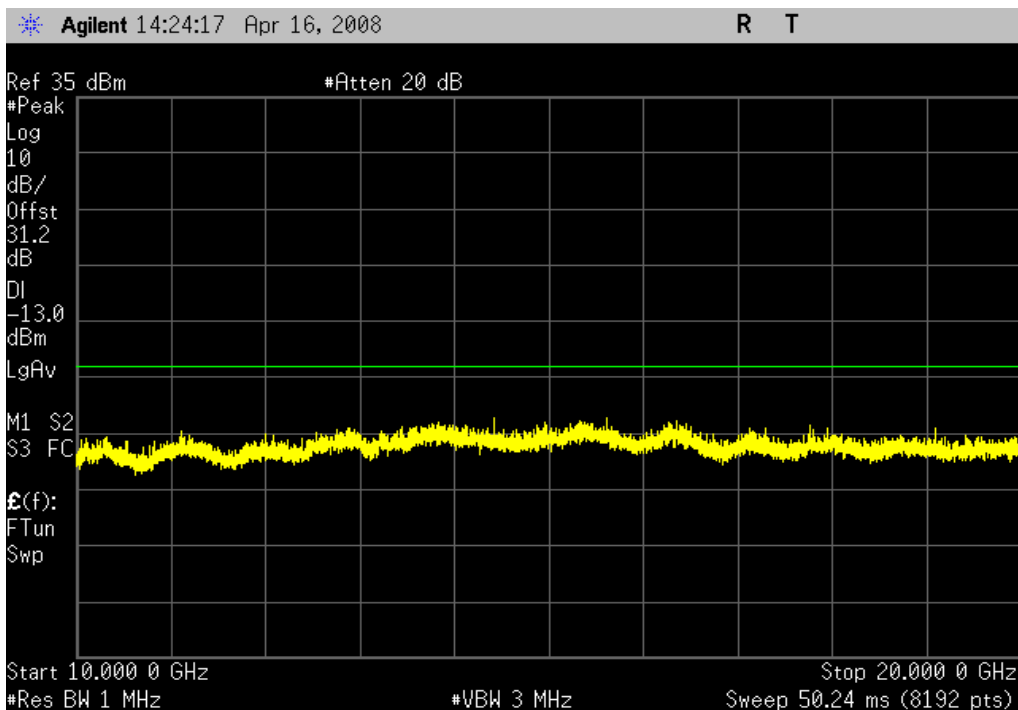
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

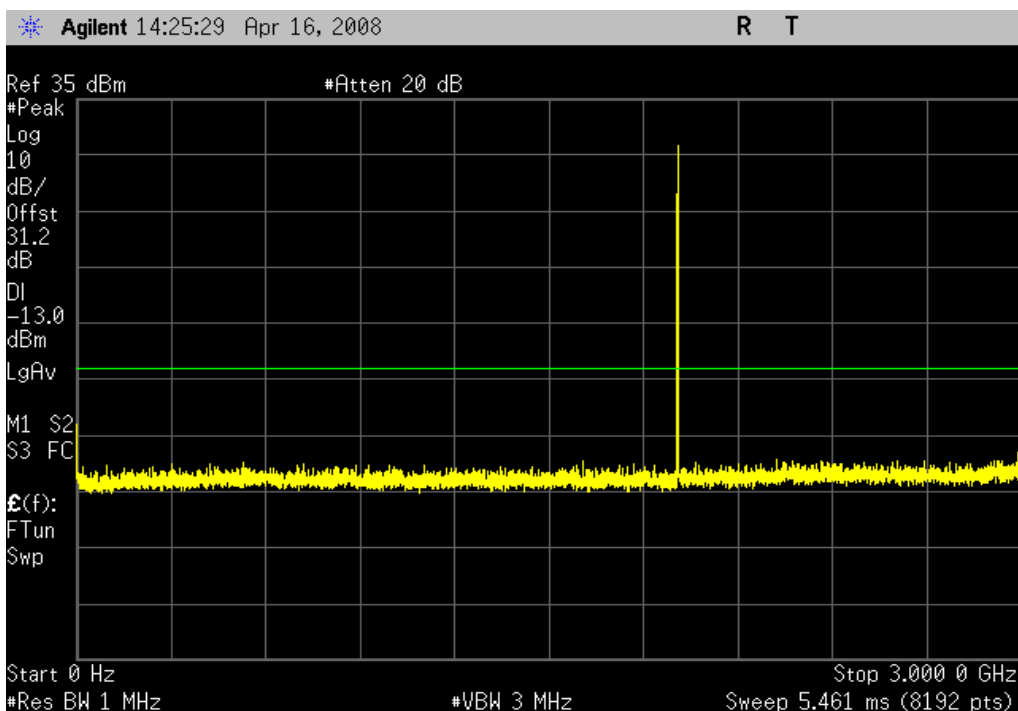
GPRS Modulation, Mid channel, Ch. 661, 1880MHz, 10 GHz - 20 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



GPRS Modulation, High channel, Ch. 810, 1909.8MHz, 0 MHz - 3 GHz

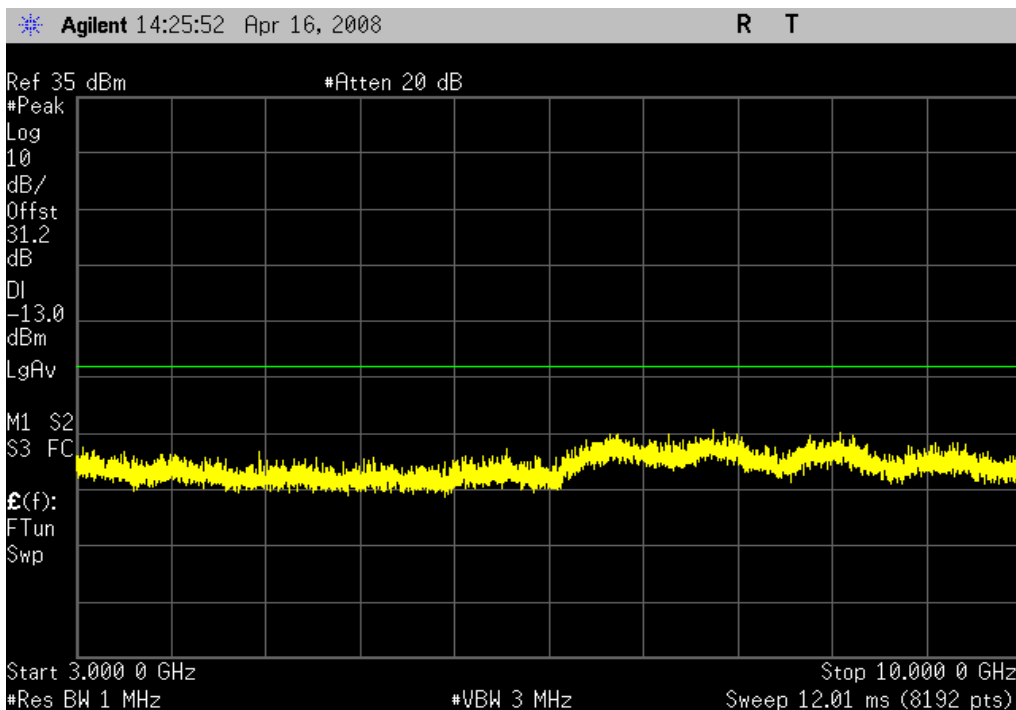
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

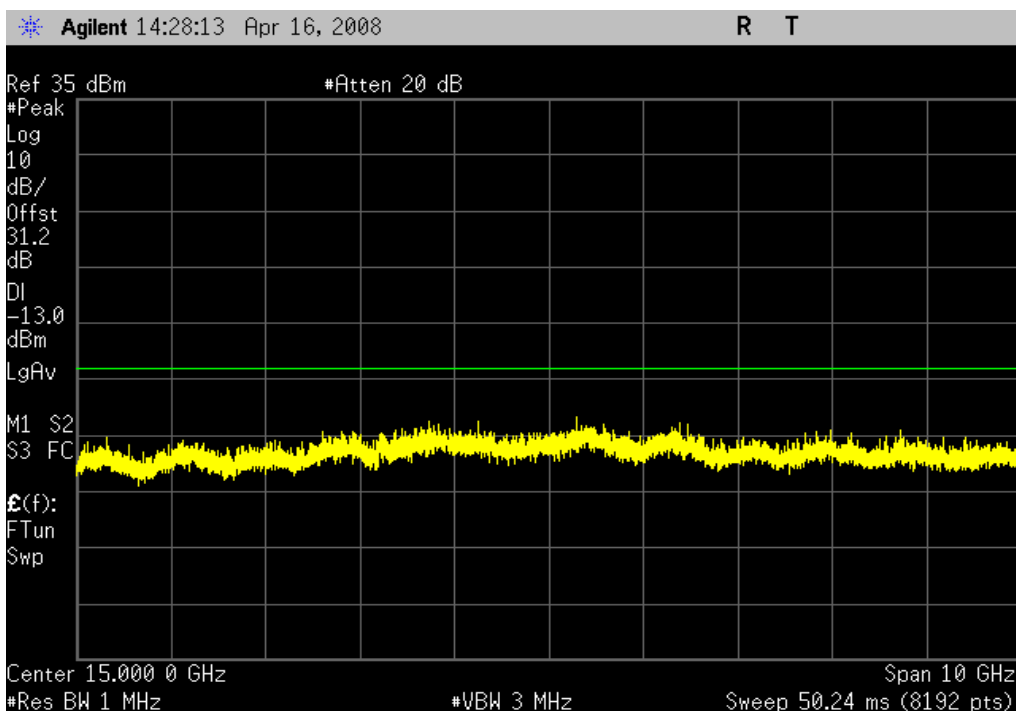
GPRS Modulation, High channel, Ch. 810, 1909.8MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



GPRS Modulation, High channel, Ch. 810, 1909.8MHz, 10 GHz - 20 GHz

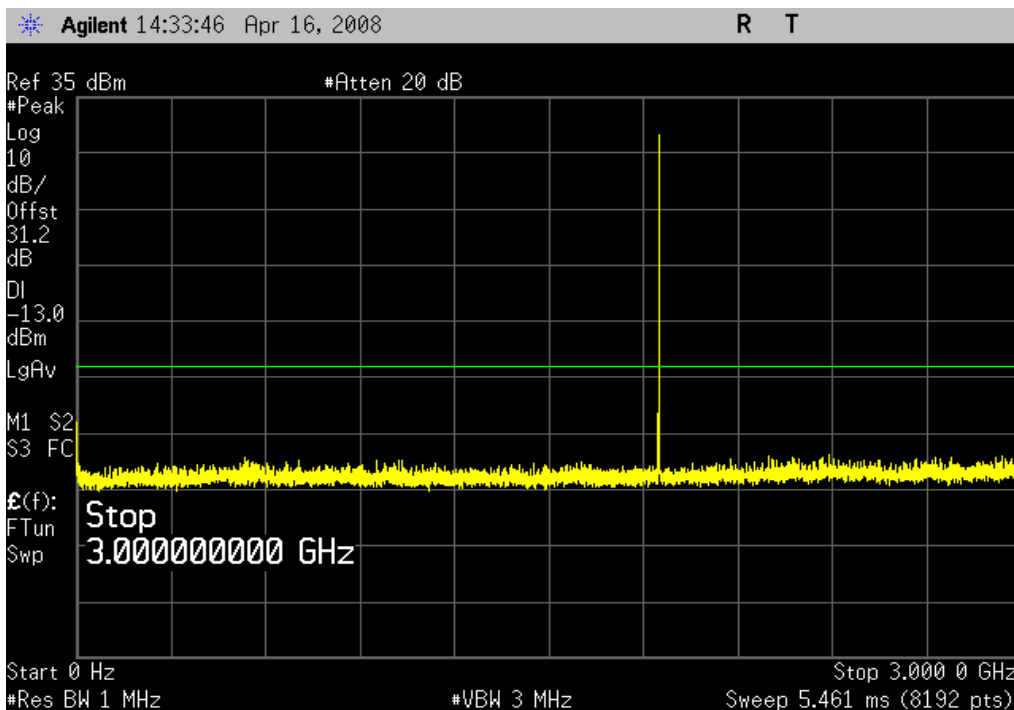
Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm



Spurious Conducted Emissions

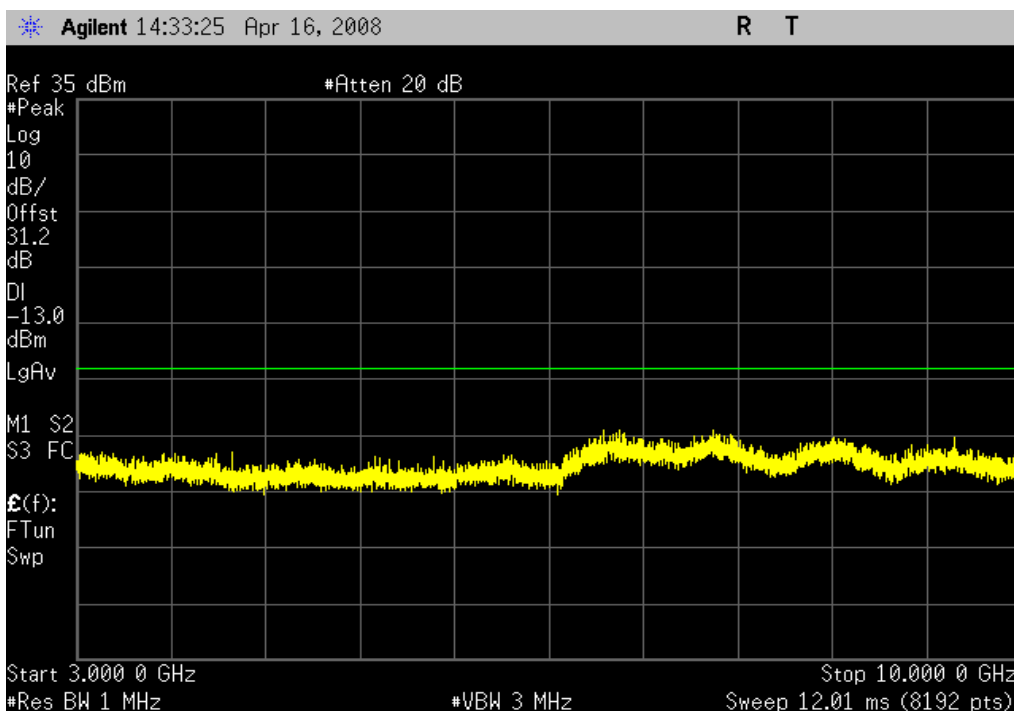
EDGE Modulation, Low channel, Ch. 512, 1850.2MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



EDGE Modulation, Low channel, Ch. 512, 1850.2MHz, 3 GHz - 10 GHz

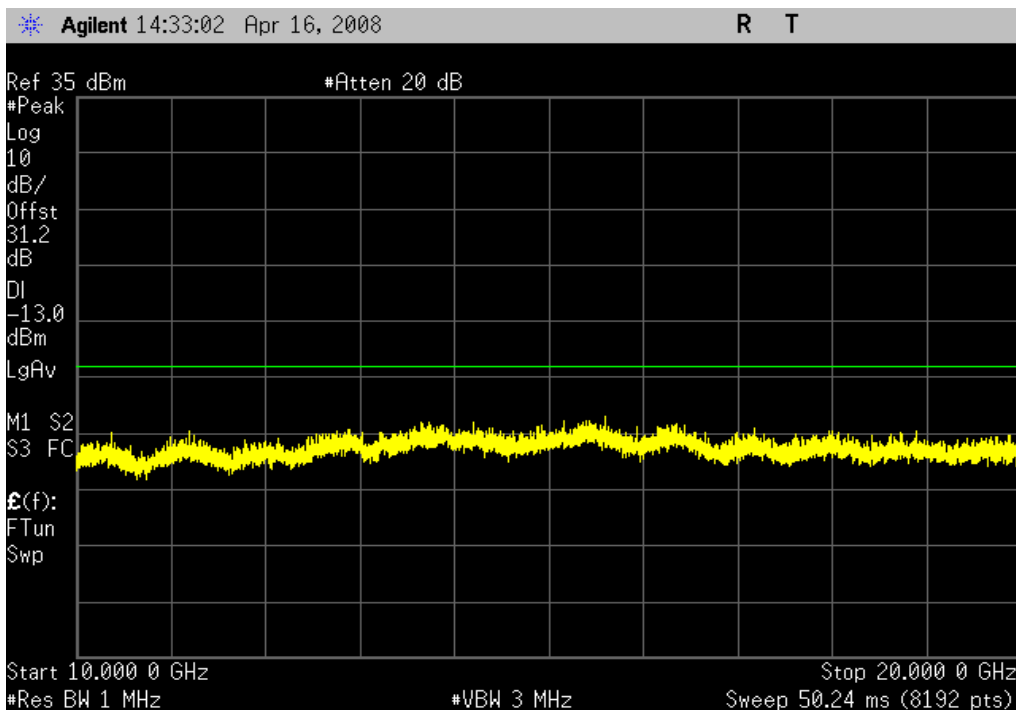
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

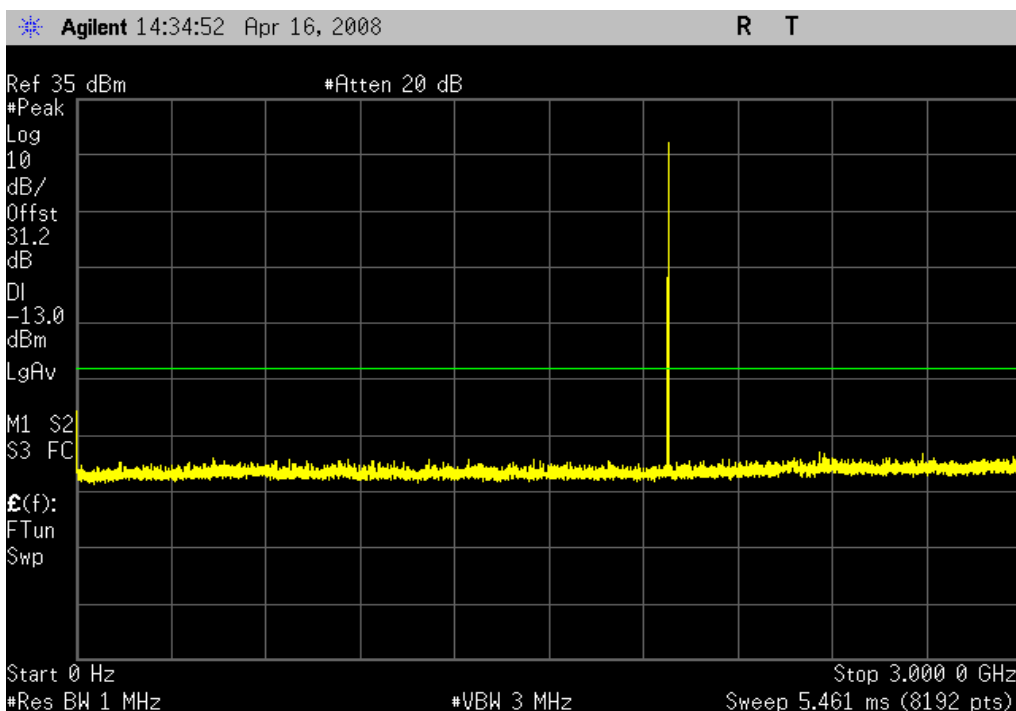
EDGE Modulation, Low channel, Ch. 512, 1850.2MHz, 10 GHz - 20 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



EDGE Modulation, Mid channel, Ch. 661, 1880MHz, 0 MHz - 3 GHz

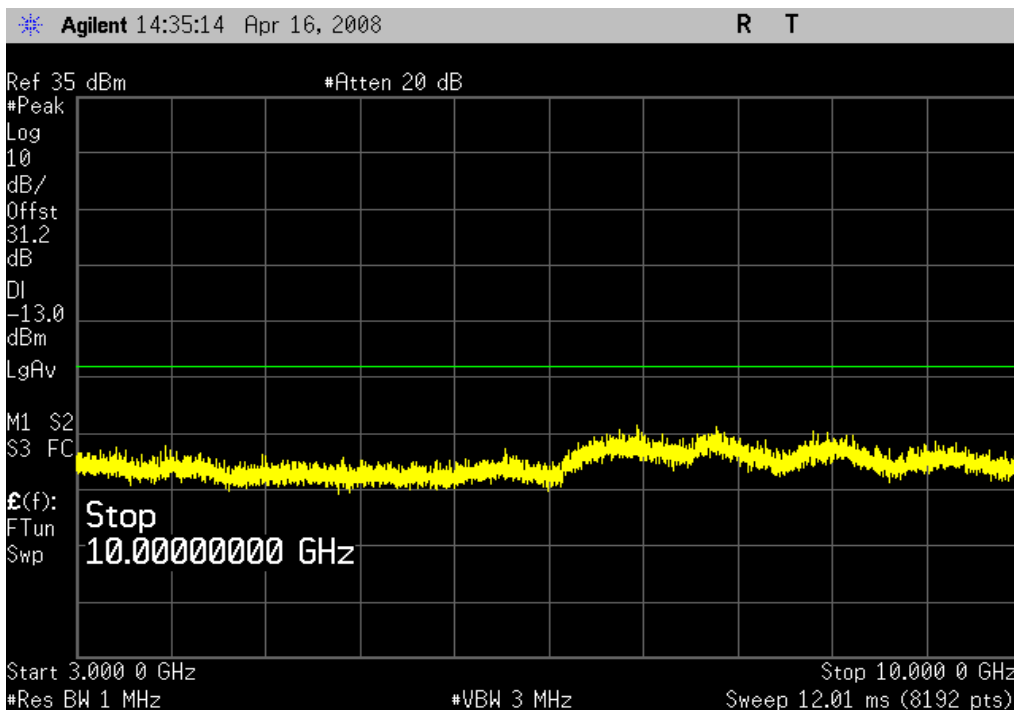
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

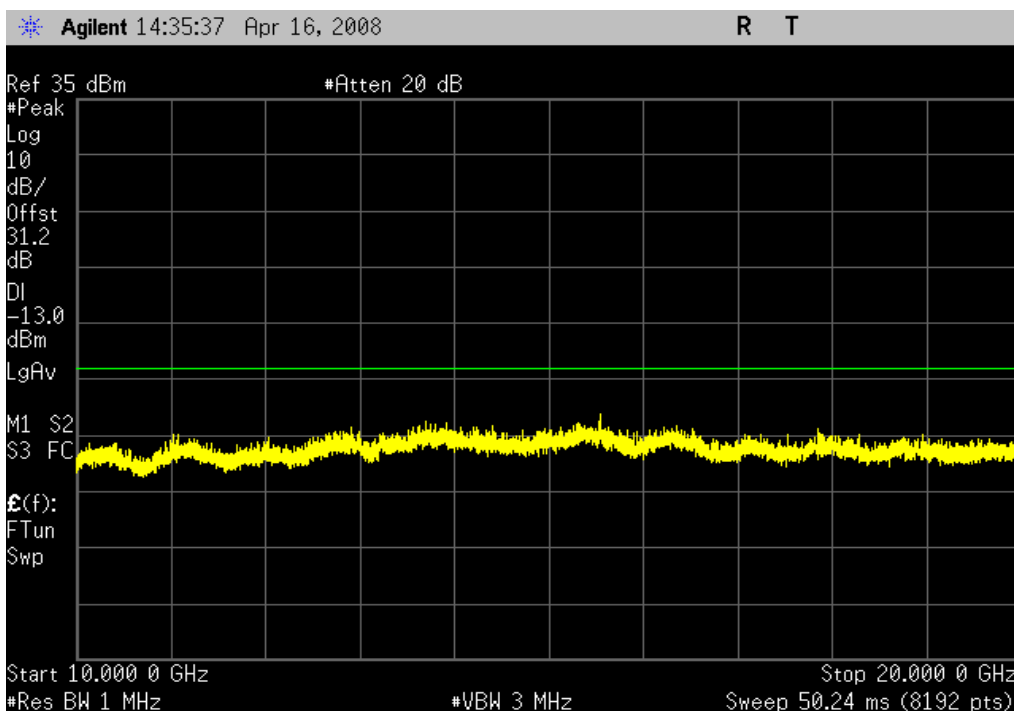
EDGE Modulation, Mid channel, Ch. 661, 1880MHz, 3 GHz - 10 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



EDGE Modulation, Mid channel, Ch. 661, 1880MHz, 10 GHz - 20 GHz

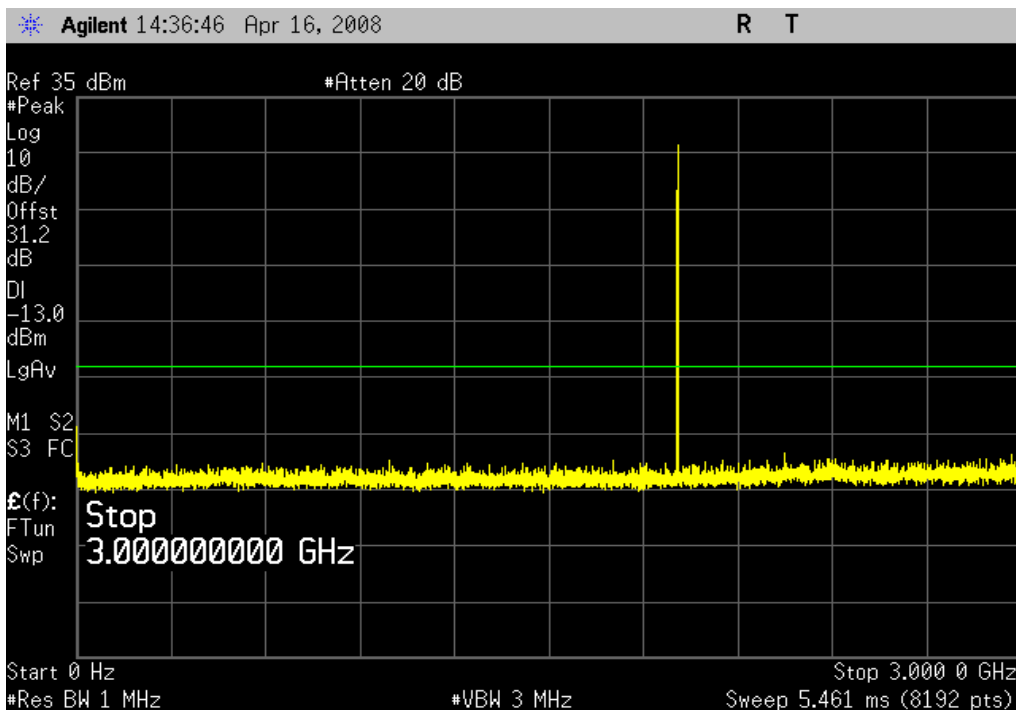
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



Spurious Conducted Emissions

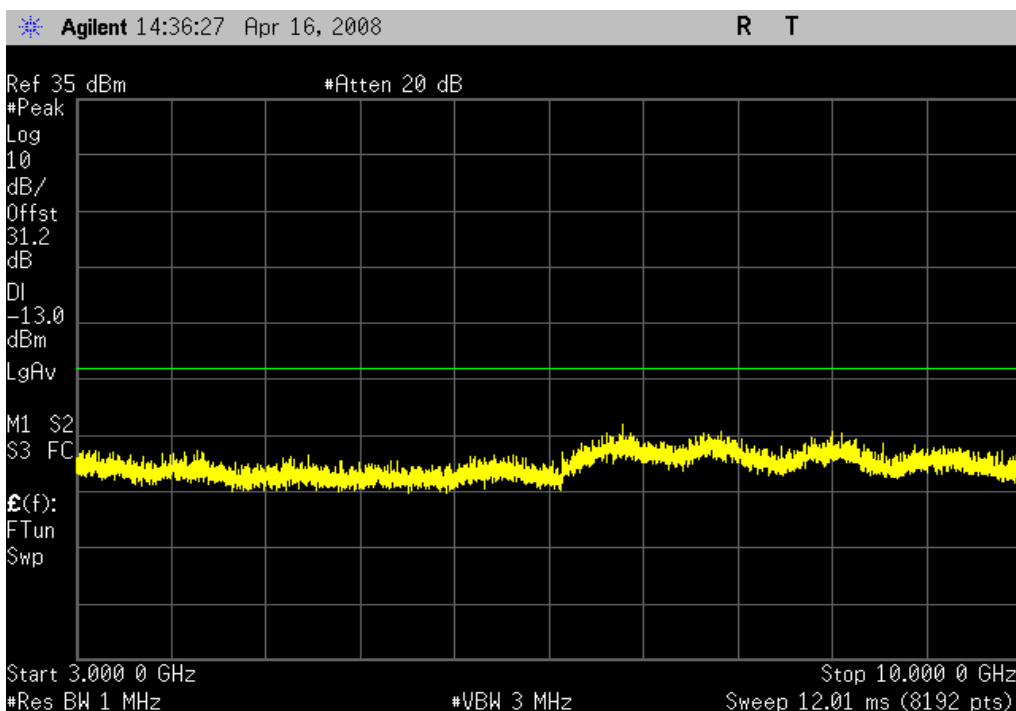
EDGE Modulation, High channel, Ch. 810, 1909.8MHz, 0 MHz - 3 GHz

Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm



EDGE Modulation, High channel, Ch. 810, 1909.8MHz, 3 GHz - 10 GHz

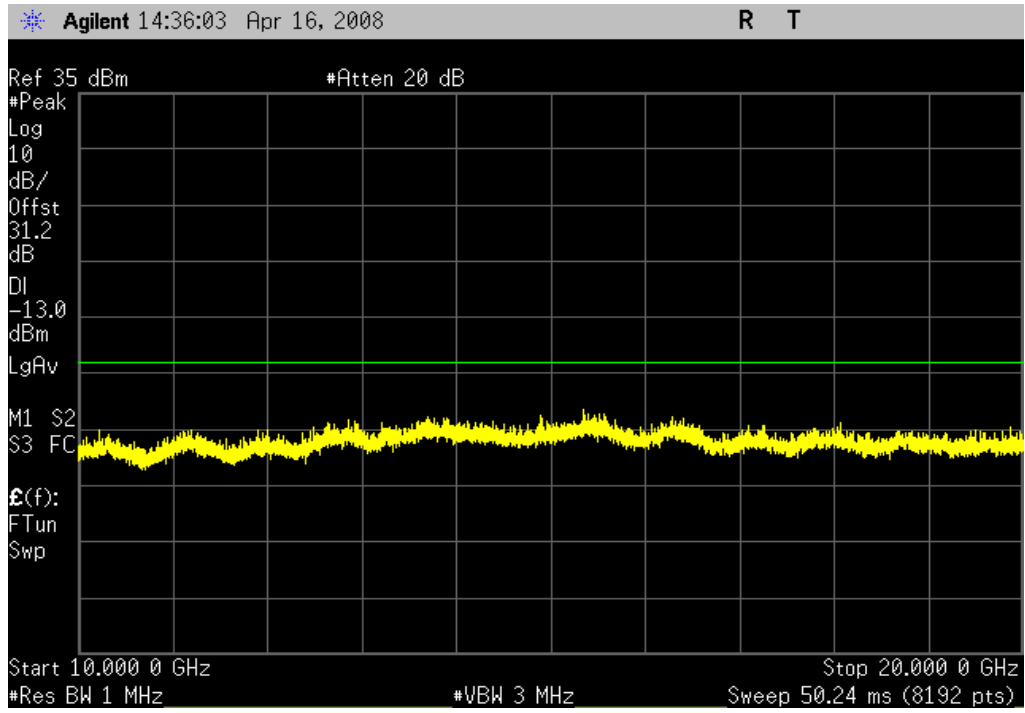
Result: Pass **Value:** ≤ -13 dBm **Limit:** ≤ -13 dBm

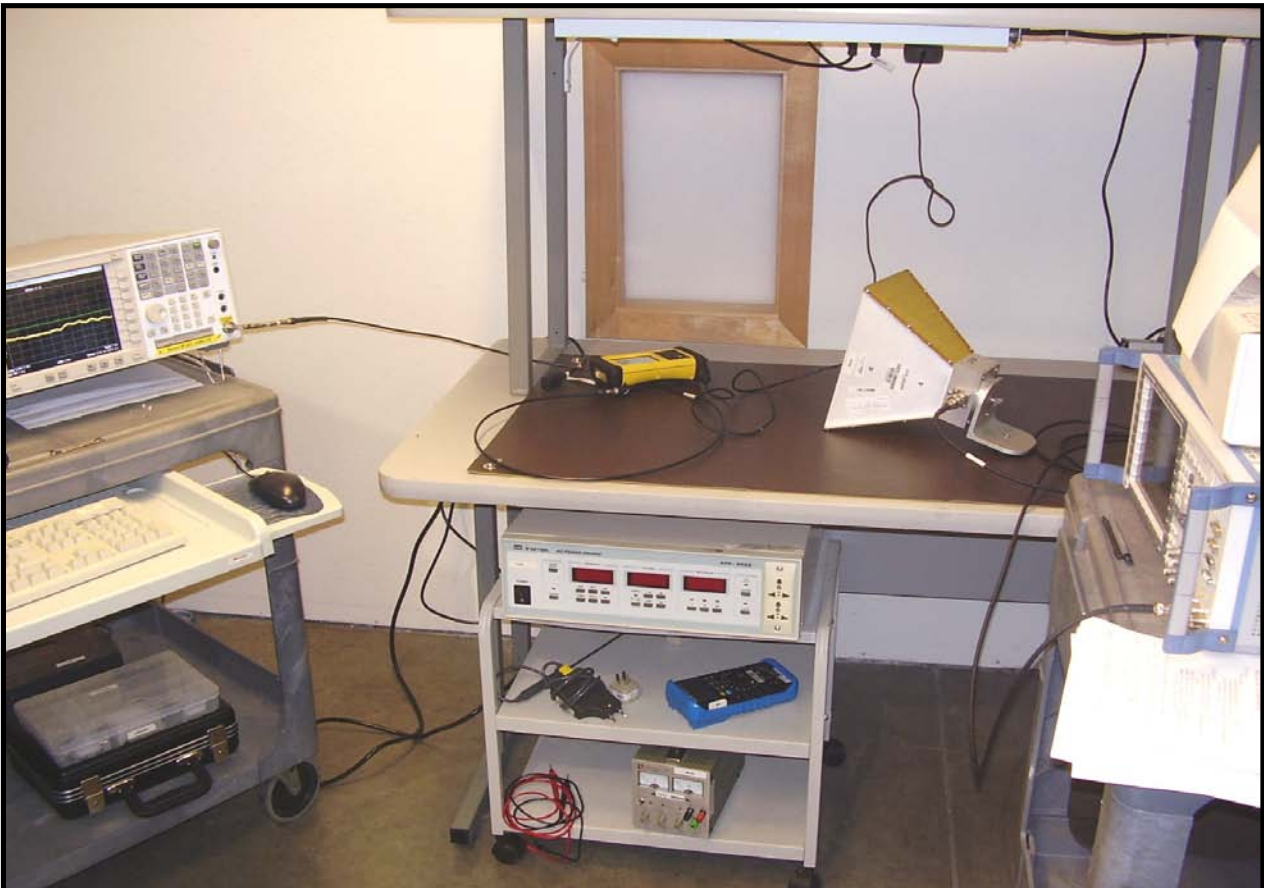
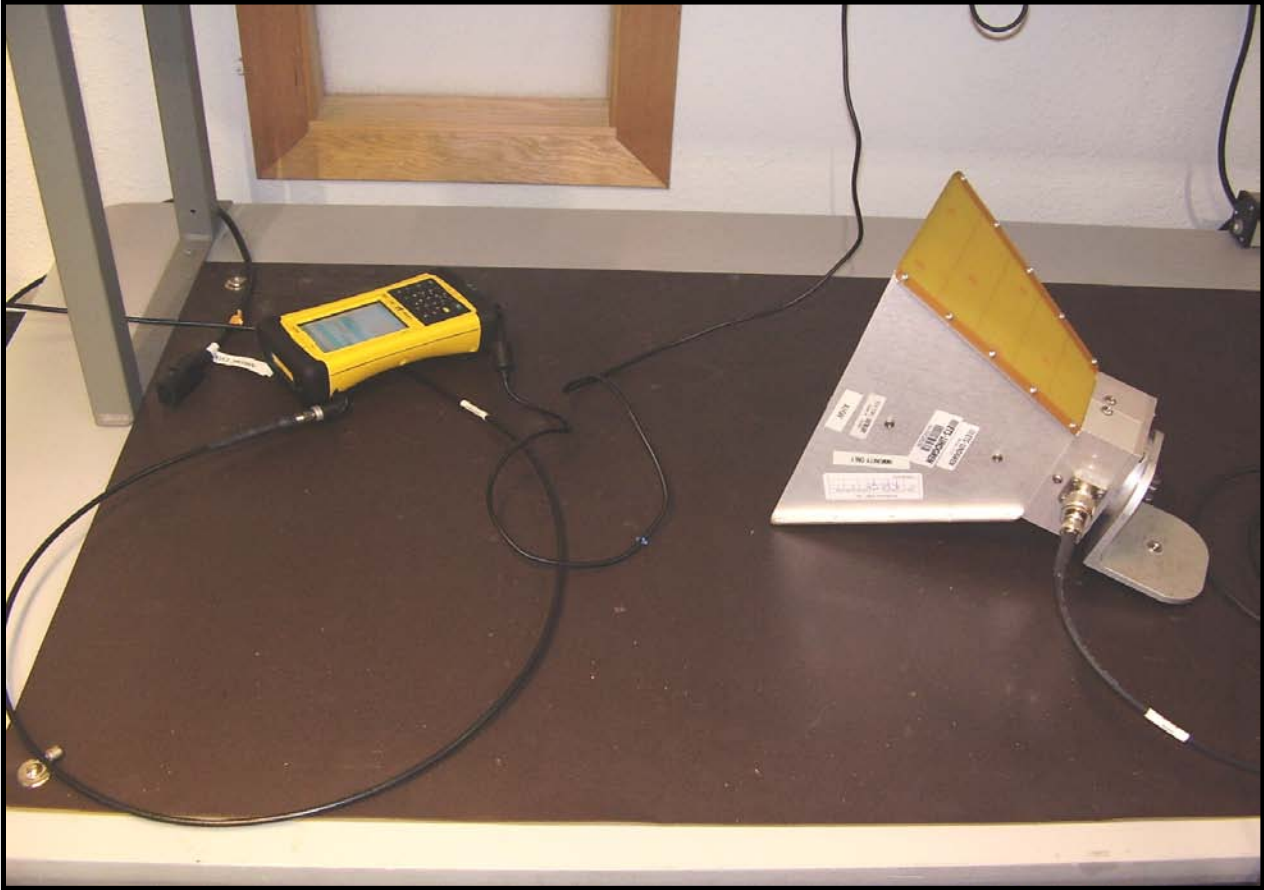


Spurious Conducted Emissions

EDGE Modulation, High channel, Ch. 810, 1909.8MHz, 10 GHz - 20 GHz

Result: Pass **Value:** ≤ - 13 dBm **Limit:** ≤ - 13 dBm





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT					
Description	Manufacturer	Model	ID	Last Cal.	Interval
Near Field Probe	EMCO	7405	IPD	NCR	0
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	6/8/2007	13
Spectrum Analyzer	Agilent	E4446A	AAY	12/18/2007	12
Multimeter	Tektronix	DMM912	MMH	12/8/2007	13
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Chamber, Temp./Humidity Chamber	Cincinnati Sub Zero (CSZ)	ZH-32-2-2-H/AC	TBA	8/7/2007	12
Antenna, Horn	EMCO	3115	AHJ	5/24/2007	24
Universal Radio Communication Tester	Rhode & Schwartz	CMU200	BSU	12/21/2006	24

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

A DC lab supply was used to vary the supply voltage up to 110% of 3.8 V and down to the EUT's voltage end point.

Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range of negative 30° C to +50° C at 10°C intervals.

The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT. The 26dB high and low points were used to determine the center frequency of the signal.

FREQUENCY STABILITY

EMC

EUT: Siemens MC75 installed in TDS Nomad		Work Order: TRPO0040
Serial Number: None		Date: 4/9/2008, 4/11/2008
Customer: Tripod Data Systems, Inc.		Temperature: 22°C
Attendees: None		Humidity: 30%
Project: None		Barometric Pres.: 1017.7 mb
Tested by: Holly Ashkannejhad	Power: 120VAC/60Hz	Job Site: EV06
TEST SPECIFICATIONS		Test Method
FCC 22H:2007		ANSI/TIA/EIA-603-B:2002
COMMENTS		
Low channel, EGPRS		
DEVIATIONS FROM TEST STANDARD		
No Deviations		
Configuration #	1	Signature <i>Holly Ashkannejhad</i>

Frequency Stability with Variation of Ambient Temperature (Primary Supply = 3.8VDC)

Temp (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
50	824.200000	824.200800	0.97	n/a
40	824.200000	824.201820	2.21	n/a
30	824.200000	824.200500	0.61	n/a
20	824.200000	824.201350	1.64	n/a
10	824.200000	824.201350	1.64	n/a
0	824.200000	824.200500	0.61	n/a
-10	824.200000	824.202200	2.67	n/a
-20	824.200000	824.201350	1.64	n/a
-30	824.200000	824.200550	0.67	n/a

Frequency Stability with Variation of Battery Voltage (Ambient Temperature = 22°C)

Voltage (VDC)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
4.2(110%)	824.200000	824.199650	0.42	n/a
3.8 (100%)	824.200000	824.198850	1.40	n/a
3.4 (end point)	824.200000	824.199650	0.42	n/a

FREQUENCY STABILITY

EMC

EUT: Siemens MC75 installed in TDS Nomad		Work Order: TRPO0040
Serial Number: None		Date: 4/9/2008, 4/11/2008
Customer: Tripod Data Systems, Inc.		Temperature: 22°C
Attendees: None		Humidity: 30%
Project: None		Barometric Pres.: 1017.7 mb
Tested by: Holly Ashkannejhad		Power: 120VAC/60Hz
		Job Site: EV06
TEST SPECIFICATIONS		Test Method
FCC 22H:2007		ANSI/TIA/EIA-603-B:2002
COMMENTS		
Mid channel, EGPRS		
DEVIATIONS FROM TEST STANDARD		
No deviations		
Configuration #	1	Signature <i>Holly Ashkannejhad</i>

Frequency Stability with Variation of Ambient Temperature (Primary Supply = 3.8VDC)

Temp (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
50	836.600000	836.600800	0.96	n/a
40	836.600000	836.602750	3.29	n/a
30	836.600000	836.601500	1.79	n/a
20	836.600000	836.602300	2.75	n/a
10	836.600000	836.601450	1.73	n/a
0	836.600000	836.601450	1.73	n/a
-10	836.600000	836.602300	2.75	n/a
-20	836.600000	836.600600	0.72	n/a
-30	836.600000	836.600600	0.72	n/a

Frequency Stability with Variation of Battery Voltage (Ambient Temperature = 22°C)

Voltage (VDC)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
4.2(110%)	836.600000	836.601500	1.79	n/a
3.8 (100%)	836.600000	836.598150	2.21	n/a
3.4 (end point)	836.600000	836.598150	2.21	n/a

FREQUENCY STABILITY

EMC

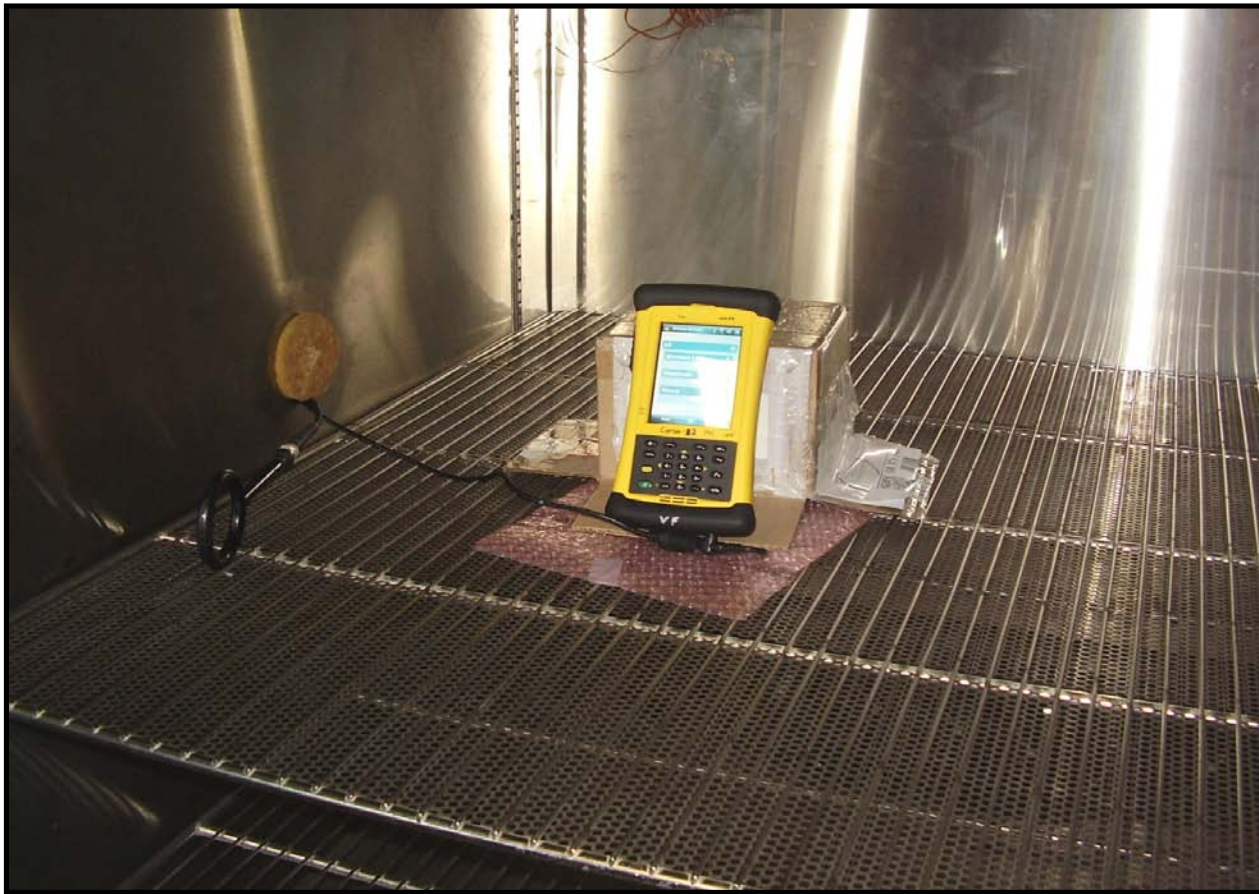
EUT: Siemens MC75 installed in TDS Nomad		Work Order: TRPO0040
Serial Number: None		Date: 4/9/2008, 4/11/2008
Customer: Tripod Data Systems, Inc.		Temperature: 22°C
Attendees: None		Humidity: 30%
Project: None		Barometric Pres.: 1017.7 mb
Tested by: Holly Ashkannejhad	Power: 120VAC/60Hz	Job Site: EV06
TEST SPECIFICATIONS		Test Method
FCC 22H:2007		ANSI/TIA/EIA-603-B:2002
COMMENTS		
High channel, EGPRS		
DEVIATIONS FROM TEST STANDARD		
No Deviations		
Configuration #	1	Signature <i>Holly Ashkannejhad</i>

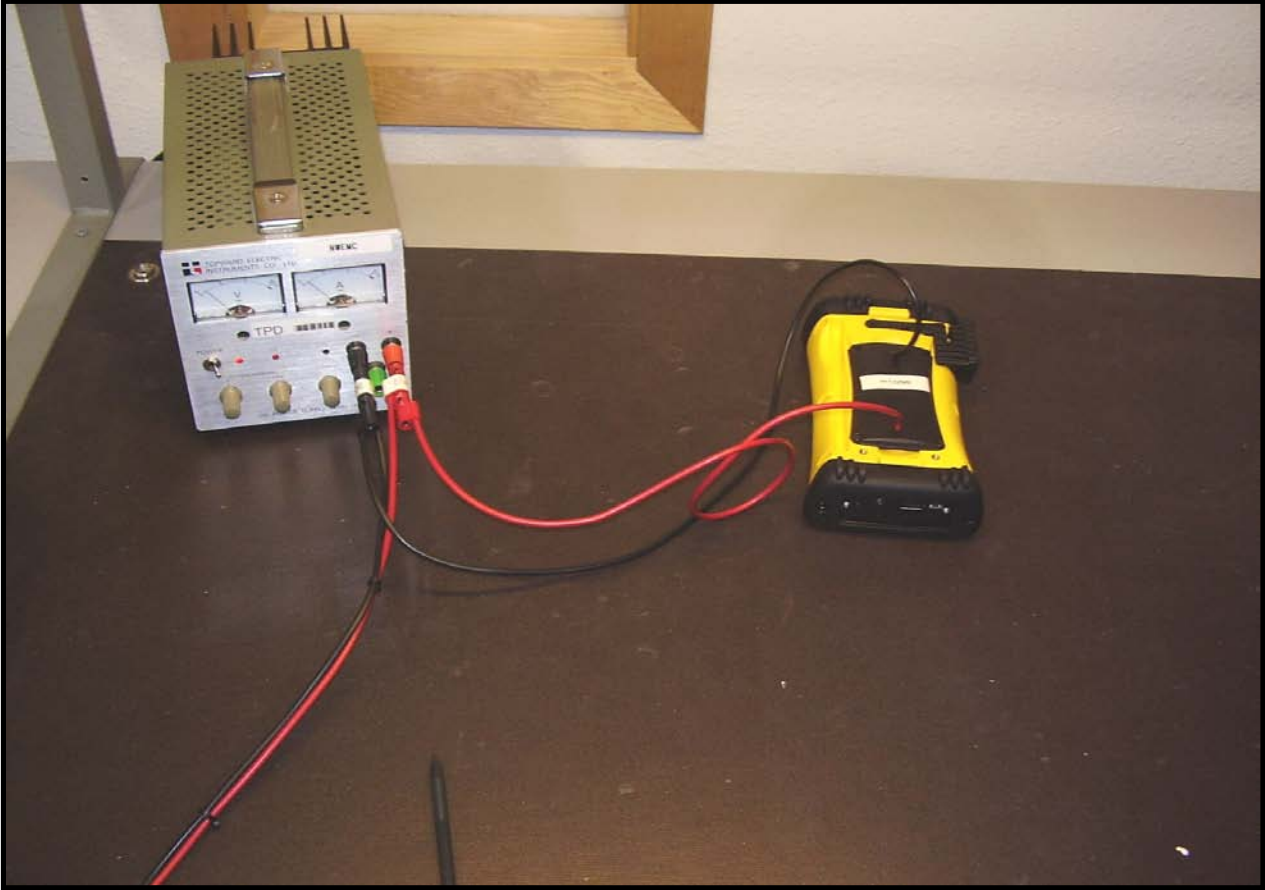
Frequency Stability with Variation of Ambient Temperature (Primary Supply = 3.8VDC)

Temp (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
50	848.800000	848.801700	2.00	n/a
40	848.800000	848.801250	1.47	n/a
30	848.800000	848.802100	2.47	n/a
20	848.800000	848.801250	1.47	n/a
10	848.800000	848.802100	2.47	n/a
0	848.800000	848.802250	2.65	n/a
-10	848.800000	848.801250	1.47	n/a
-20	848.800000	848.801250	1.47	n/a
-30	848.800000	848.800400	0.47	n/a

Frequency Stability with Variation of Battery Voltage (Ambient Temperature = 22°C)

Voltage (VDC)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
4.2(110%)	848.800000	848.798650	1.59	n/a
3.8 (100%)	848.800000	848.798650	1.59	n/a
3.4 (end point)	848.800000	848.799600	0.47	n/a





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT					
Description	Manufacturer	Model	ID	Last Cal.	Interval
Near Field Probe	EMCO	7405	IPD	NCR	0
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	6/8/2007	13
Spectrum Analyzer	Agilent	E4446A	AAY	12/18/2007	12
Antenna, Horn	EMCO	3115	AHJ	5/24/2007	24
Multimeter	Tektronix	DMM912	MMH	12/8/2007	13
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Chamber, Temp./Humidity Chamber	Cincinnati Sub Zero (CSZ)	ZH-32-2-2-H/AC	TBA	8/7/2007	12
Universal Radio Communication Tester	Rhode & Schwartz	CMU200	BSU	12/21/2006	24

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

A DC lab supply was used to vary the supply voltage up to 110% of 3.8 V and down to the EUT's voltage end point.

Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range of negative 30° C to +50° C at 10°C intervals.

The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT. The 26dB high and low points were used to determine the center frequency of the signal.

FREQUENCY STABILITY

EMC

EUT: Siemens MC75 installed in TDS Nomad		Work Order: TRPO0040
Serial Number: None		Date: 4/9/2008, 4/11/2008
Customer: Tripod Data Systems, Inc.		Temperature: 22°C
Attendees: None		Humidity: 30%
Project: None		Barometric Pres.: 1017.7 mb
Tested by: Holly Ashkannejhad	Power: 120VAC/60Hz	Job Site: EV06
TEST SPECIFICATIONS		Test Method
FCC 24E:2007		ANSI/TIA/EIA-603-B-2002
COMMENTS		
Low channel, EGPRS		
DEVIATIONS FROM TEST STANDARD		
No Deviations		
Configuration #	1	Signature <i>Holly Ashkannejhad</i>

Frequency Stability with Variation of Ambient Temperature (Primary Supply = 3.8VDC)

Temp (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
50	1850.200000	1850.200500	0.27	n/a
40	1850.200000	1850.201350	0.73	n/a
30	1850.200000	1850.201350	0.73	n/a
20	1850.200000	1850.201350	0.73	n/a
10	1850.200000	1850.200500	0.27	n/a
0	1850.200000	1850.204135	2.23	n/a
-10	1850.200000	1850.201350	0.73	n/a
-20	1850.200000	1850.201350	0.73	n/a
-30	1850.200000	1850.202200	1.19	n/a

Frequency Stability with Variation of Battery Voltage (Ambient Temperature = 22°C)

Voltage (VDC)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
4.2(110%)	1850.200000	1850.199650	0.19	n/a
3.8 (100%)	1850.200000	1850.198850	0.62	n/a
3.4 (end point)	1850.200000	1850.198850	0.62	n/a

FREQUENCY STABILITY

EMC

EUT: Siemens MC75 installed in TDS Nomad		Work Order: TRPO0040
Serial Number: None		Date: 4/9/2008, 4/11/2008
Customer: Tripod Data Systems, Inc.		Temperature: 22°C
Attendees: None		Humidity: 30%
Project: None		Barometric Pres.: 1017.7 mb
Tested by: Holly Ashkannejhad	Power: 120VAC/60Hz	Job Site: EV06
TEST SPECIFICATIONS		Test Method
FCC 24E:2007		ANSI/TIA/EIA-603-B-2002
COMMENTS		
Mid channel, EGRPS		
DEVIATIONS FROM TEST STANDARD		
No Deviations		
Configuration #	1	Signature <i>Holly Ashkannejhad</i>

Frequency Stability with Variation of Ambient Temperature (Primary Supply = 3.8VDC)

Temp (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
50	1880.000000	1880.001100	0.59	n/a
40	1880.000000	1880.002750	1.46	n/a
30	1880.000000	1880.001050	0.56	n/a
20	1880.000000	1880.001100	0.59	n/a
10	1880.000000	1880.001100	0.59	n/a
0	1880.000000	1880.001900	1.01	n/a
-10	1880.000000	1880.000250	0.13	n/a
-20	1880.000000	1880.004100	2.18	n/a
-30	1880.000000	1880.001900	1.01	n/a

Frequency Stability with Variation of Battery Voltage (Ambient Temperature = 22°C)

Voltage (VDC)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
4.2(110%)	1880.000000	1879.997750	1.20	n/a
3.8 (100%)	1880.000000	1879.999400	0.32	n/a
3.4 (end point)	1880.000000	1879.998500	0.80	n/a

FREQUENCY STABILITY

EMC

EUT: Siemens MC75 installed in TDS Nomad		Work Order: TRPO0040
Serial Number: None		Date: 4/9/2008, 4/11/2008
Customer: Tripod Data Systems, Inc.		Temperature: 22°C
Attendees: None		Humidity: 30%
Project: None		Barometric Pres.: 1017.7 mb
Tested by: Holly Ashkannejhad	Power: 120VAC/60Hz	Job Site: EV06
TEST SPECIFICATIONS		Test Method
FCC 24E:2007		ANSI/TIA/EIA-603-B-2002
COMMENTS		
High channel, EGPRS		
DEVIATIONS FROM TEST STANDARD		
No Deviations		
Configuration #	1	Signature <i>Holly Ashkannejhad</i>

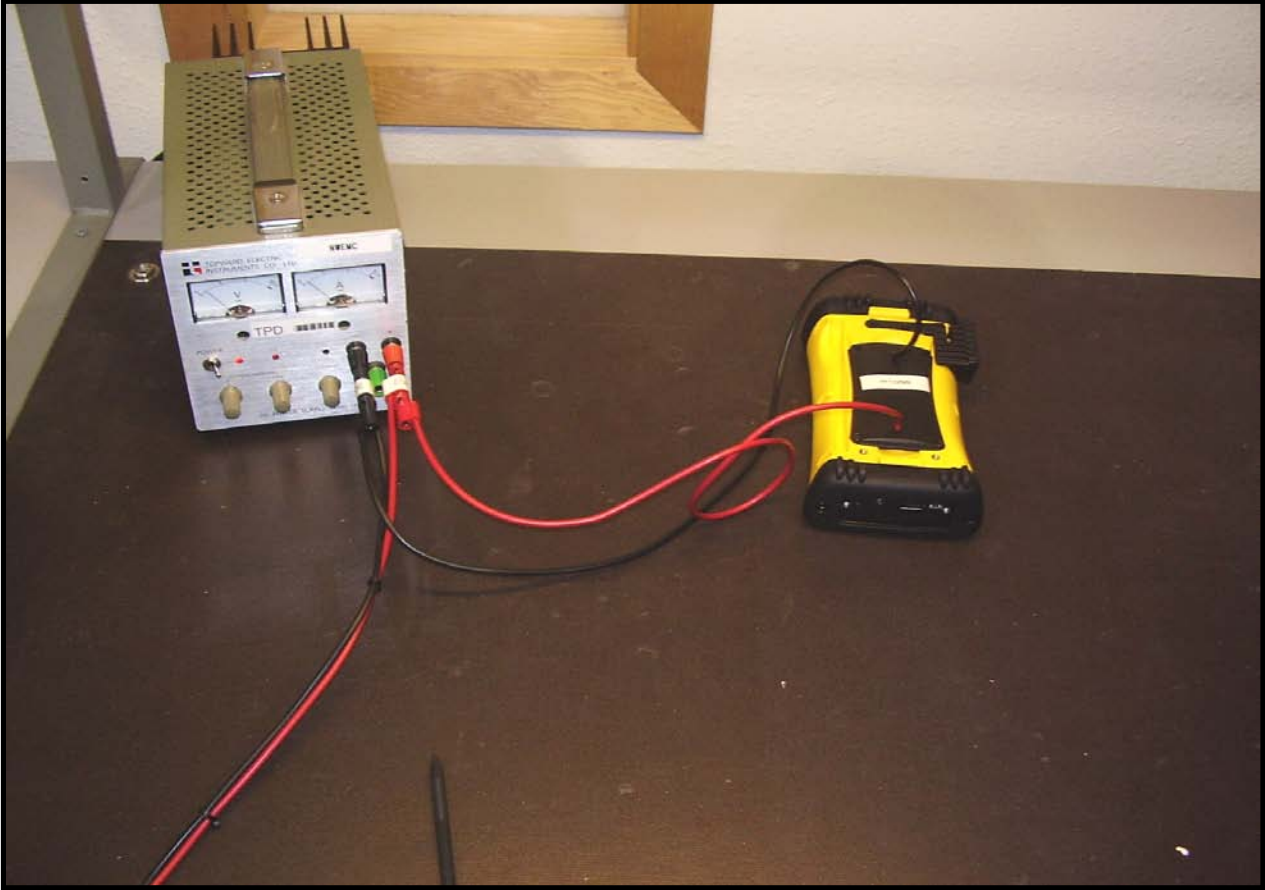
Frequency Stability with Variation of Ambient Temperature (Primary Supply = 3.8VDC)

Temp (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
50	1909.800000	1909.797100	1.52	n/a
40	1909.800000	1909.798750	0.65	n/a
30	1909.800000	1909.798800	0.63	n/a
20	1909.800000	1909.800450	0.24	n/a
10	1909.800000	1909.800450	0.24	n/a
0	1909.800000	1909.800450	0.24	n/a
-10	1909.800000	1909.797100	1.52	n/a
-20	1909.800000	1909.799600	0.21	n/a
-30	1909.800000	1909.801350	0.71	n/a

Frequency Stability with Variation of Battery Voltage (Ambient Temperature = 22°C)

Voltage (VDC)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)	Specification (ppm)
4.2(110%)	1909.800000	1909.798750	0.65	n/a
3.8 (100%)	1909.800000	1909.799650	0.18	n/a
3.4 (end point)	1909.800000	1909.799650	0.18	n/a





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmit: High Ch. 810, 1909.8MHz

Transmit: Mid Ch. 661, 1880 MHz

Transmit: Low Ch. 512, 1850.2 MHz

Transmitting: Mid Ch. 190, 836.6 MHz

Transmitting: High Ch. 251, 848.8 MHz

Transmitting: Low Ch. 128, 824.2 MHz

POWER SETTINGS INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

TRPO0040 - 1) Direct connect - with antenna

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Attenuator	Coaxicom	66702 2910-20	ATO	5/25/2007	13 mo
High Pass Filter	T.T.E.	7766	HFG	2/5/2008	13 mo
Receiver	Rohde & Schwartz	ESCI	ARG	12/7/2007	13 mo
EV07 Cables		Conducted Cables	EVG	4/17/2007	13 mo
LISN	Solar	9252-50-R-24-BNC	LIR	1/4/2008	13 mo

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.


MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm.

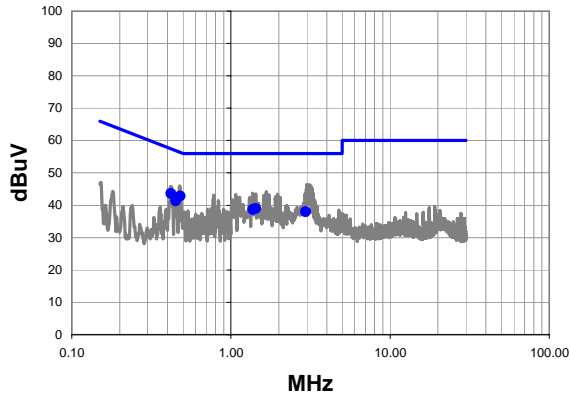
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT: Siemens MC75 installed in TDS Nomad				Tested by: Kyle Holgate
Configuration: 1 - Direct connect - with antenna				
Customer: Tripod Data Systems, Inc.				
Attendees: None				
EUT Power: 120VAC/60Hz				
Operating Mode: Transmitting: Low Ch. 128, 824.2 MHz				
Deviations: No deviations.				
Comments: Cellular				

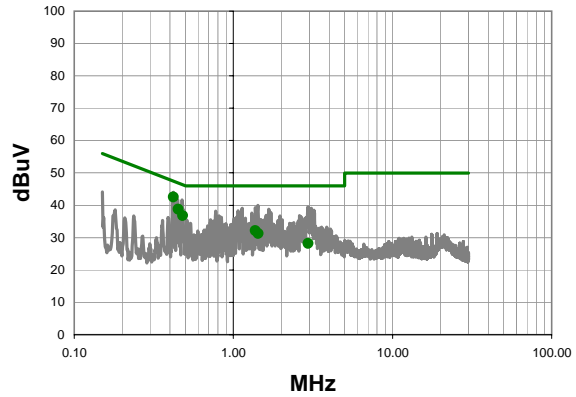
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	1	Line: High Line	Ext. Attenuation: 20	Results	Pass
--------------	---	------------------------	-----------------------------	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.480	22.0	20.8	42.8	56.3	-13.5
0.420	22.8	20.9	43.7	57.4	-13.8
0.450	20.5	20.8	41.3	56.9	-15.5
1.436	18.5	20.5	39.0	56.0	-17.0
1.376	18.2	20.5	38.7	56.0	-17.3
2.944	17.5	20.5	38.0	56.0	-18.0

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	21.7	20.9	42.6	47.4	-4.9
0.450	17.9	20.8	38.7	46.9	-8.1
0.480	16.0	20.8	36.8	46.3	-9.5
1.376	11.6	20.5	32.1	46.0	-13.9
1.436	10.8	20.5	31.3	46.0	-14.7
2.944	7.7	20.5	28.2	46.0	-17.8

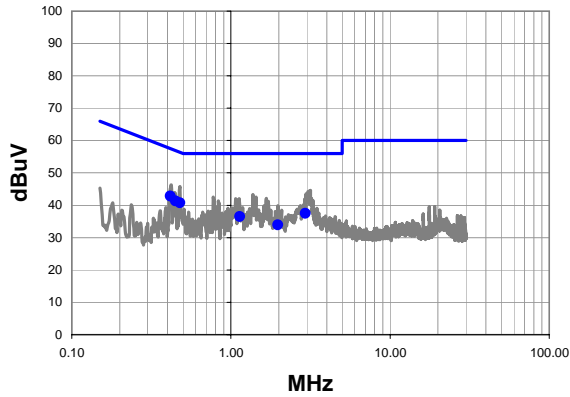
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmitting: Low Ch. 128, 824.2 MHz			
Deviations:	No deviations.			
Comments:	Cellular			

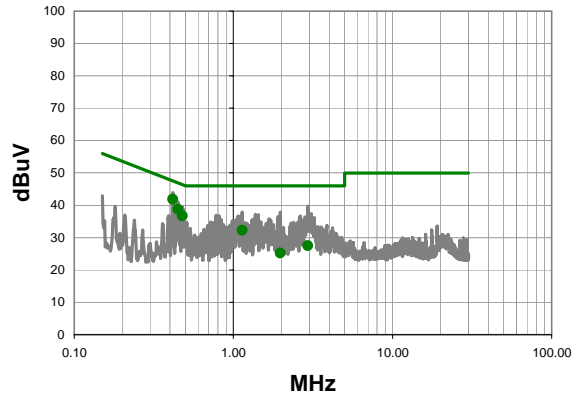
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	2	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.417	22.0	20.9	42.9	57.5	-14.6
0.449	20.5	20.8	41.3	56.9	-15.5
0.478	19.9	20.8	40.7	56.4	-15.6
2.940	17.0	20.5	37.5	56.0	-18.5
1.136	16.0	20.5	36.5	56.0	-19.5
1.976	13.4	20.5	33.9	56.0	-22.1

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.417	21.0	20.9	41.9	47.5	-5.6
0.449	17.9	20.8	38.7	46.9	-8.1
0.478	15.9	20.8	36.7	46.4	-9.6
1.136	11.7	20.5	32.2	46.0	-13.8
2.940	7.0	20.5	27.5	46.0	-18.5
1.976	4.7	20.5	25.2	46.0	-20.8

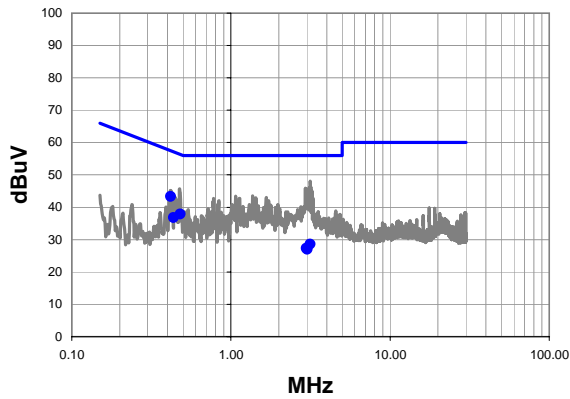
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
				Tested by: Kyle Holgate
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmitting: High Ch. 251, 848.8 MHz			
Deviations:	No deviations.			
Comments:	Cellular			

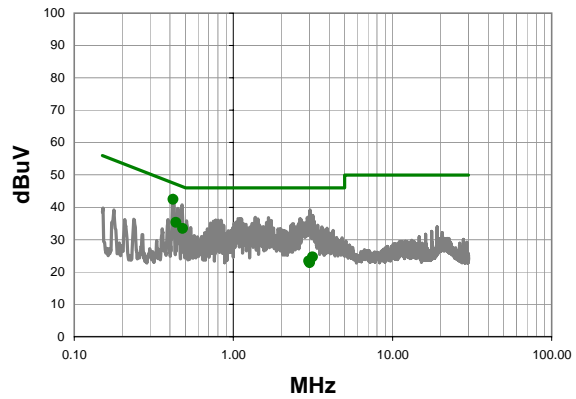
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	3	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.419	22.5	20.9	43.4	57.5	-14.1
0.480	17.1	20.8	37.9	56.3	-18.4
0.436	15.9	20.9	36.8	57.1	-20.4
3.144	8.1	20.5	28.6	56.0	-27.4
2.980	6.8	20.5	27.3	56.0	-28.7
3.024	6.5	20.5	27.0	56.0	-29.0

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.419	21.6	20.9	42.5	47.5	-5.0
0.436	14.5	20.9	35.4	47.1	-11.8
0.480	12.6	20.8	33.4	46.3	-12.9
3.144	4.1	20.5	24.6	46.0	-21.4
2.980	2.8	20.5	23.3	46.0	-22.7
3.024	2.4	20.5	22.9	46.0	-23.1

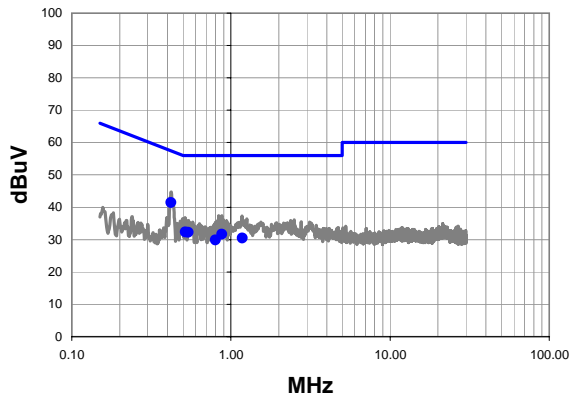
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
Tested by: Kyle Holgate				
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmitting: High Ch. 251, 848.8 MHz			
Deviations:	No deviations.			
Comments:	Cellular			

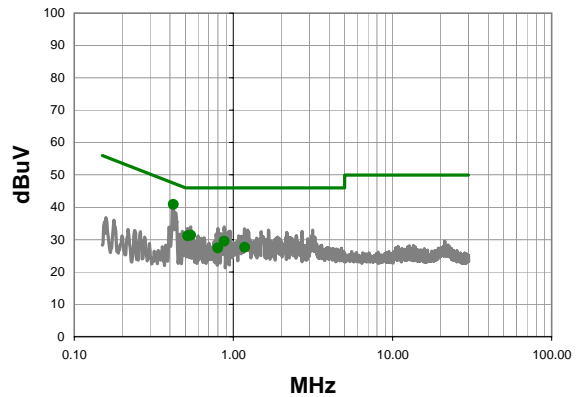
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	4	Line: High Line	Ext. Attenuation: 20	Results	Pass
--------------	---	------------------------	-----------------------------	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.421	20.6	20.9	41.5	57.4	-16.0
0.518	11.5	20.8	32.3	56.0	-23.7
0.539	11.5	20.8	32.3	56.0	-23.7
0.876	11.1	20.6	31.7	56.0	-24.3
1.180	10.0	20.5	30.5	56.0	-25.5
0.801	9.2	20.6	29.8	56.0	-26.2

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.421	20.0	20.9	40.9	47.4	-6.6
0.539	10.6	20.8	31.4	46.0	-14.6
0.518	10.4	20.8	31.2	46.0	-14.8
0.876	8.9	20.6	29.5	46.0	-16.5
1.180	7.1	20.5	27.6	46.0	-18.4
0.801	6.8	20.6	27.4	46.0	-18.6

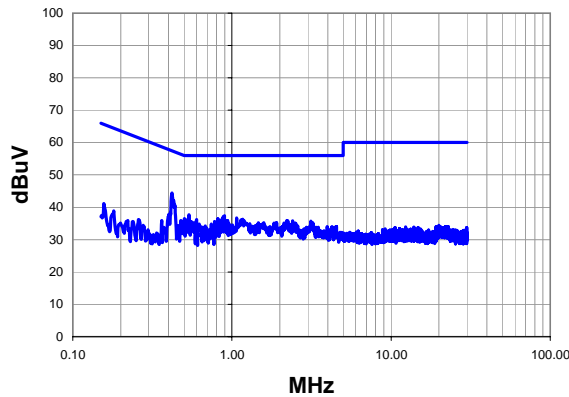
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	 Tested by: Kyle Holgate
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmitting: Mid Ch. 190, 836.6 MHz			
Deviations:	No deviations.			
Comments:	Cellular			

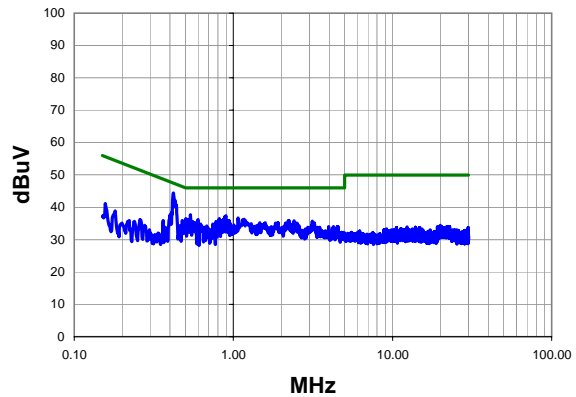
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	5	Line: High Line	Ext. Attenuation: 20	Results	Pass
--------------	---	------------------------	-----------------------------	----------------	------

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit




Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	23.5	20.9	44.4	57.4	-13.1
0.538	16.9	20.8	37.7	56.0	-18.3
0.896	16.8	20.6	37.4	56.0	-18.6
0.881	16.4	20.6	37.0	56.0	-19.0
1.072	16.2	20.5	36.7	56.0	-19.3
0.504	15.7	20.8	36.5	56.0	-19.5
0.813	15.8	20.6	36.4	56.0	-19.6
0.599	15.5	20.8	36.3	56.0	-19.7
0.521	15.3	20.8	36.1	56.0	-19.9
0.402	16.9	20.9	37.8	57.8	-20.0
0.835	15.3	20.6	35.9	56.0	-20.1
2.216	15.4	20.5	35.9	56.0	-20.1
0.917	15.3	20.6	35.9	56.0	-20.1
0.940	15.3	20.5	35.8	56.0	-20.2
2.408	15.3	20.5	35.8	56.0	-20.2
3.128	15.2	20.5	35.7	56.0	-20.3
0.779	15.0	20.6	35.6	56.0	-20.4
0.478	15.1	20.8	35.9	56.4	-20.4
0.558	14.7	20.8	35.5	56.0	-20.5
1.464	14.7	20.5	35.2	56.0	-20.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	23.5	20.9	44.4	47.4	-3.1
0.538	16.9	20.8	37.7	46.0	-8.3
0.896	16.8	20.6	37.4	46.0	-8.6
0.881	16.4	20.6	37.0	46.0	-9.0
1.072	16.2	20.5	36.7	46.0	-9.3
0.504	15.7	20.8	36.5	46.0	-9.5
0.813	15.8	20.6	36.4	46.0	-9.6
0.599	15.5	20.8	36.3	46.0	-9.7
0.521	15.3	20.8	36.1	46.0	-9.9
0.402	16.9	20.9	37.8	47.8	-10.0
0.835	15.3	20.6	35.9	46.0	-10.1
2.216	15.4	20.5	35.9	46.0	-10.1
0.917	15.3	20.6	35.9	46.0	-10.1
0.940	15.3	20.5	35.8	46.0	-10.2
2.408	15.3	20.5	35.8	46.0	-10.2
3.128	15.2	20.5	35.7	46.0	-10.3
0.779	15.0	20.6	35.6	46.0	-10.4
0.478	15.1	20.8	35.9	46.4	-10.4
0.558	14.7	20.8	35.5	46.0	-10.5
1.464	14.7	20.5	35.2	46.0	-10.8

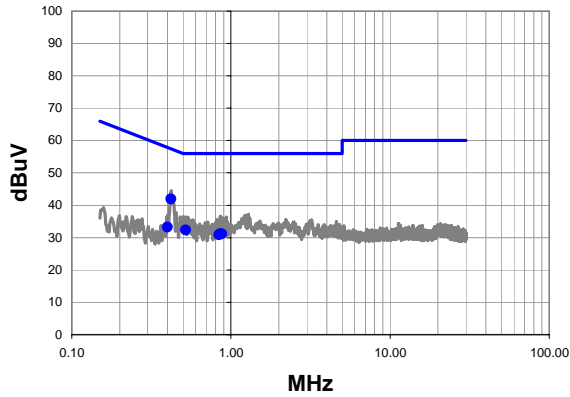
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	 Tested by: Kyle Holgate
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmitting: Mid Ch. 190, 836.6 MHz			
Deviations:	No deviations.			
Comments:	Cellular			

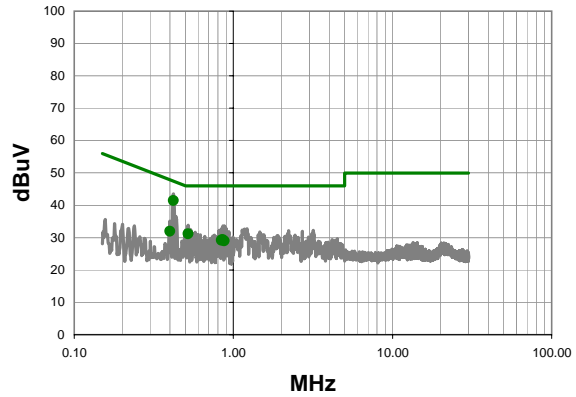
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	6	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	21.1	20.9	42.0	57.4	-15.5
0.519	11.5	20.8	32.3	56.0	-23.7
0.400	12.4	20.9	33.3	57.9	-24.6
0.857	10.6	20.6	31.2	56.0	-24.8
0.877	10.6	20.6	31.2	56.0	-24.8
0.840	10.3	20.6	30.9	56.0	-25.1

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	20.6	20.9	41.5	47.4	-6.0
0.519	10.4	20.8	31.2	46.0	-14.8
0.400	11.1	20.9	32.0	47.9	-15.9
0.857	8.8	20.6	29.4	46.0	-16.6
0.840	8.6	20.6	29.2	46.0	-16.8
0.877	8.4	20.6	29.0	46.0	-17.0

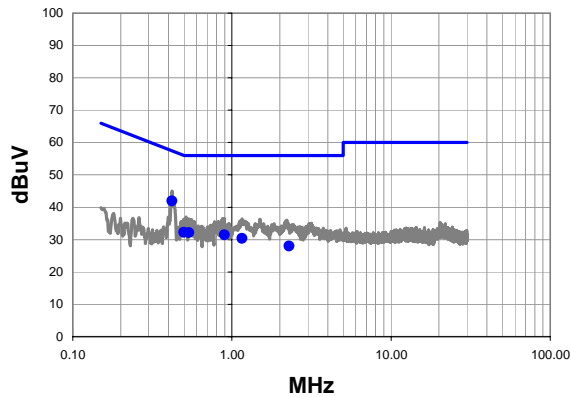
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmit: Low Ch. 512, 1850.2 MHz			
Deviations:	No deviations.			
Comments:	PCS			

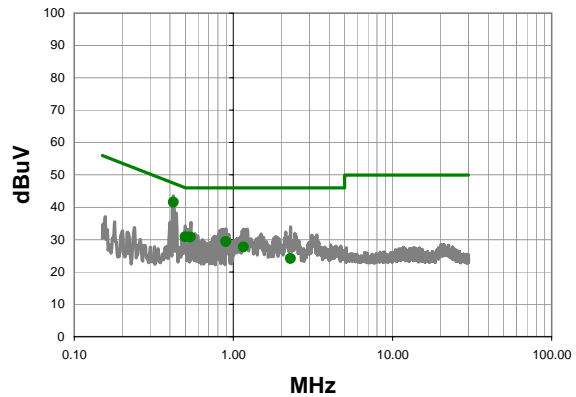
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	13	Line:	High Line	Ext. Attenuation:	20	Results	Pass
--------------	----	--------------	-----------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	21.1	20.9	42.0	57.4	-15.5
0.499	11.4	20.8	32.2	56.0	-23.8
0.537	11.4	20.8	32.2	56.0	-23.8
0.896	10.9	20.6	31.5	56.0	-24.5
1.160	9.9	20.5	30.4	56.0	-25.6
2.284	7.5	20.5	28.0	56.0	-28.0

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	20.7	20.9	41.6	47.4	-5.9
0.499	10.0	20.8	30.8	46.0	-15.2
0.537	10.0	20.8	30.8	46.0	-15.2
0.896	8.8	20.6	29.4	46.0	-16.6
1.160	7.2	20.5	27.7	46.0	-18.3
2.284	3.6	20.5	24.1	46.0	-21.9

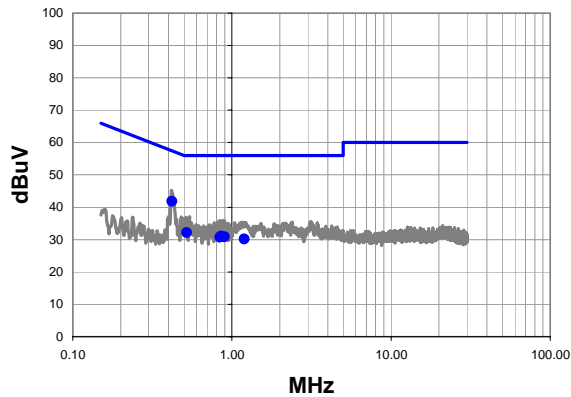
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	 Tested by: Kyle Holgate
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmit: Low Ch. 512, 1850.2 MHz			
Deviations:	No deviations.			
Comments:	PCS			

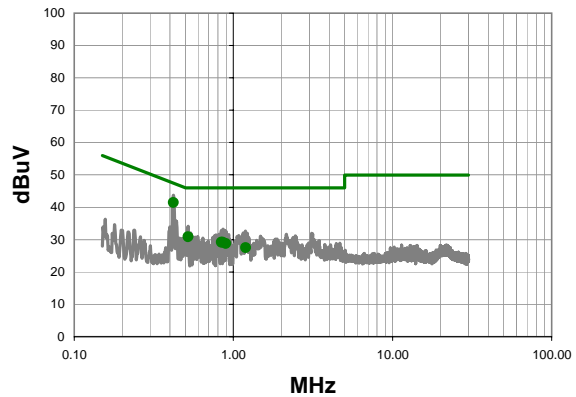
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	14	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	----	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	21.0	20.9	41.9	57.4	-15.6
0.519	11.3	20.8	32.1	56.0	-23.9
0.858	10.5	20.6	31.1	56.0	-24.9
0.896	10.3	20.6	30.9	56.0	-25.1
0.840	10.2	20.6	30.8	56.0	-25.2
1.196	9.7	20.5	30.2	56.0	-25.8

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	20.6	20.9	41.5	47.4	-6.0
0.519	10.1	20.8	30.9	46.0	-15.1
0.840	8.6	20.6	29.2	46.0	-16.8
0.858	8.6	20.6	29.2	46.0	-16.8
0.896	8.2	20.6	28.8	46.0	-17.2
1.196	7.0	20.5	27.5	46.0	-18.5

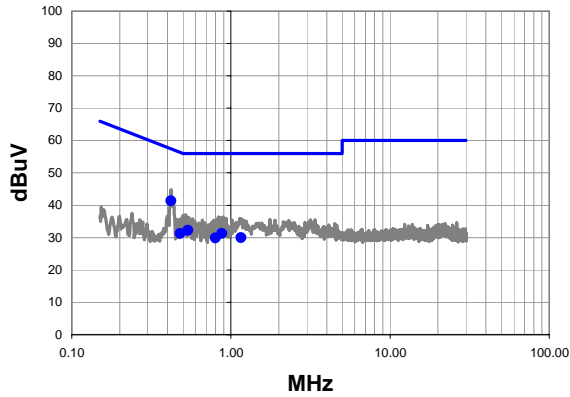
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
Tested by: Kyle Holgate				
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmit: Mid Ch. 661, 1880 MHz			
Deviations:	No deviations.			
Comments:	PCS			

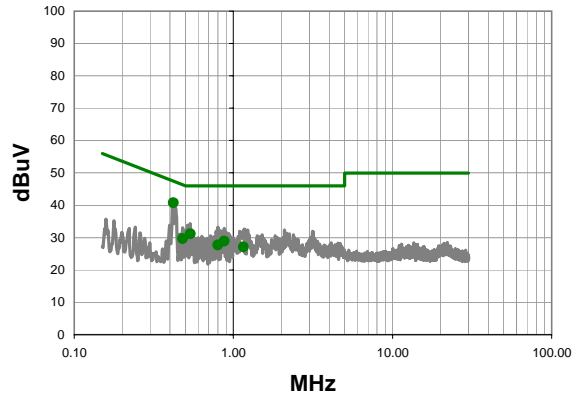
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	15	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	----	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.421	20.5	20.9	41.4	57.4	-16.1
0.538	11.5	20.8	32.3	56.0	-23.7
0.876	10.7	20.6	31.3	56.0	-24.7
0.480	10.4	20.8	31.2	56.3	-25.1
1.160	9.5	20.5	30.0	56.0	-26.0
0.801	9.2	20.6	29.8	56.0	-26.2

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.421	19.9	20.9	40.8	47.4	-6.7
0.538	10.4	20.8	31.2	46.0	-14.8
0.480	8.8	20.8	29.6	46.3	-16.7
0.876	8.3	20.6	28.9	46.0	-17.1
0.801	7.1	20.6	27.7	46.0	-18.3
1.160	6.6	20.5	27.1	46.0	-18.9

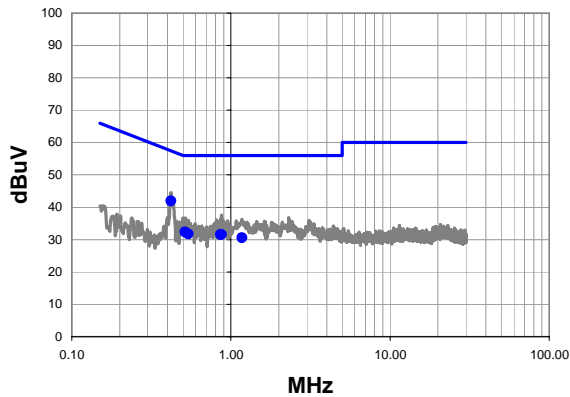
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
Tested by: Kyle Holgate				
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmit: Mid Ch. 661, 1880 MHz			
Deviations:	No deviations.			
Comments:	PCS			

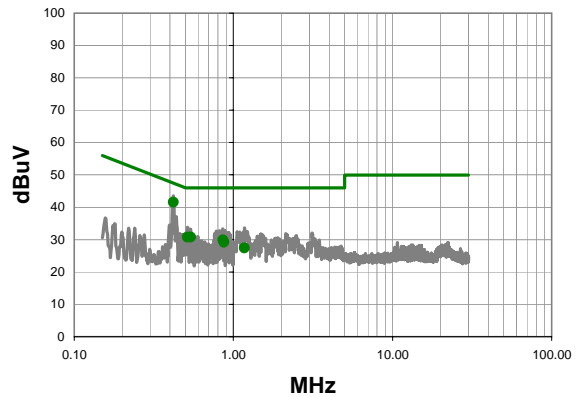
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	16	Line: High Line	Ext. Attenuation: 20	Results	Pass
--------------	----	------------------------	-----------------------------	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	21.1	20.9	42.0	57.4	-15.5
0.516	11.5	20.8	32.3	56.0	-23.7
0.540	11.0	20.8	31.8	56.0	-24.2
0.859	11.0	20.6	31.6	56.0	-24.4
0.875	11.0	20.6	31.6	56.0	-24.4
1.176	10.1	20.5	30.6	56.0	-25.4

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.420	20.7	20.9	41.6	47.4	-5.9
0.516	10.0	20.8	30.8	46.0	-15.2
0.540	10.0	20.8	30.8	46.0	-15.2
0.859	9.3	20.6	29.9	46.0	-16.1
0.875	8.6	20.6	29.2	46.0	-16.8
1.176	6.9	20.5	27.4	46.0	-18.6

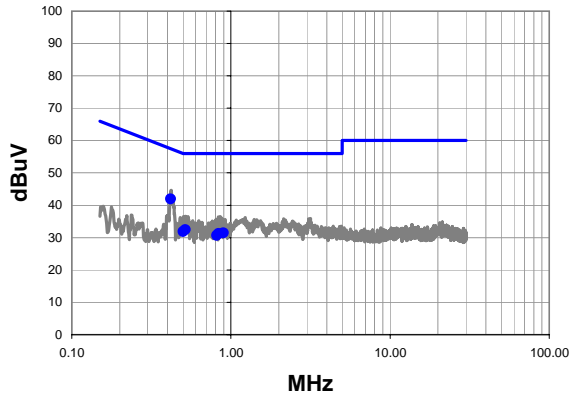
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
Tested by: Kyle Holgate				
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmit: High Ch. 810, 1909.8MHz			
Deviations:	No deviations.			
Comments:	PCS			

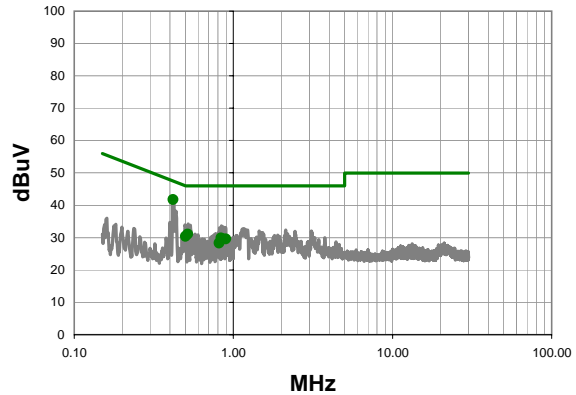
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	17	Line: High Line	Ext. Attenuation: 20	Results	Pass
--------------	----	------------------------	-----------------------------	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit




Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.419	21.1	20.9	42.0	57.5	-15.5
0.517	11.6	20.8	32.4	56.0	-23.6
0.501	11.0	20.8	31.8	56.0	-24.2
0.897	10.9	20.6	31.5	56.0	-24.5
0.838	10.7	20.6	31.3	56.0	-24.7
0.816	10.0	20.6	30.6	56.0	-25.4

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.419	20.9	20.9	41.8	47.5	-5.7
0.517	10.3	20.8	31.1	46.0	-14.9
0.501	9.6	20.8	30.4	46.0	-15.6
0.838	9.3	20.6	29.9	46.0	-16.1
0.897	9.0	20.6	29.6	46.0	-16.4
0.816	7.7	20.6	28.3	46.0	-17.7

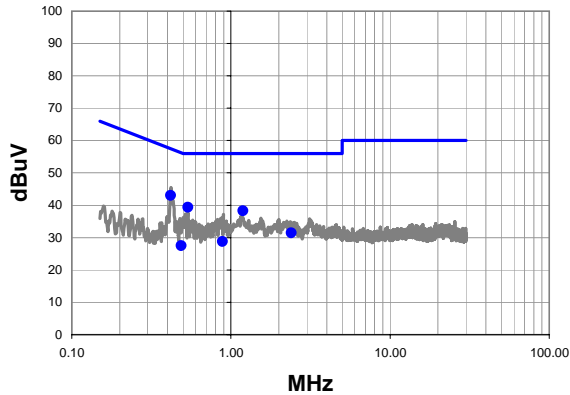
EMC AC POWERLINE CONDUCTED EMISSIONS

Work Order:	TRPO0040	Date:	04/23/08	 Tested by: Kyle Holgate
Project:	None	Temperature:	22	
Job Site:	EV07	Humidity:	29	
Serial Number:	R1196	Barometric Pres.:	1009.1	
EUT:	Siemens MC75 installed in TDS Nomad			
Configuration:	1 - Direct connect - with antenna			
Customer:	Tripod Data Systems, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Transmit: High Ch. 810, 1909.8MHz			
Deviations:	No deviations.			
Comments:	PCS			

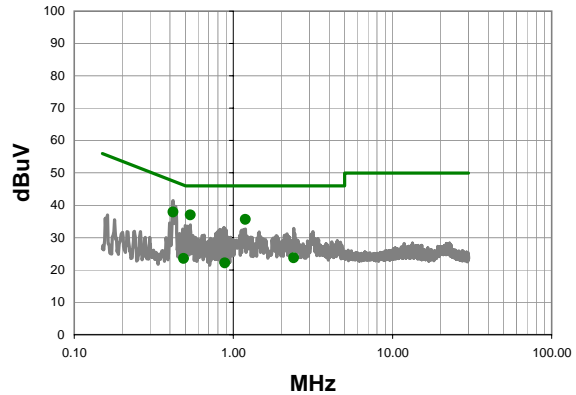
Test Specifications FCC 15.207:2007	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	19	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	----	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.419	22.2	20.9	43.1	57.5	-14.4
0.536	18.6	20.8	39.4	56.0	-16.6
1.192	17.8	20.5	38.3	56.0	-17.7
2.392	11.0	20.5	31.5	56.0	-24.5
0.886	8.2	20.6	28.8	56.0	-27.2
0.487	6.7	20.8	27.5	56.2	-28.7

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.536	16.2	20.8	37.0	46.0	-9.0
0.419	17.0	20.9	37.9	47.5	-9.6
1.192	15.1	20.5	35.6	46.0	-10.4
2.392	3.2	20.5	23.7	46.0	-22.3
0.487	2.7	20.8	23.5	46.2	-22.7
0.886	1.6	20.6	22.2	46.0	-23.8

