TEST REPORT
FROM
RFI GLOBAL SERVICES LTD

Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003

To: FCC Part 15.247: 2006 (Subpart C)

Test Report Serial No:
RFI/RPTE2/RP73110JD05A

Supersedes Test Report Serial No:
RFI/RPTE1/RP73110JD05A

This Test Report Is Issued Under The Authority Of Steve Flooks, Radio Performance Group Service Leader:  **pp Brian Watson**	
Checked By: Brian Watson 	**Report Copy No: PDF01**
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1. Client Information

Company Name:	Stilo srl
Address:	Via Piave 41/3 Treviolo (Bg) 24048 Italy
Contact Name:	Mr F Corti

2. Equipment Under Test (EUT)

The following information (with the exception of the date of receipt) has been supplied by the customer:

2.1. Description of EUT

The NCOM2 system configuration allows the connection to one's own wireless *Bluetooth* devices. With this system, normally fitted into a motorcycle helmet using a basic kit, it is possible to receive phone calls directly in the helmet and listen to music in MP3 format or be connected with a GPS navigator.
The system is upgradeable using a multimedia wire that permits a further audio input.

2.2. Identification of Equipment Under Test (EUT)

Description:	Bluetooth Headset
Brand Name:	Stilo
Model Name or Number:	EI0003
Serial Number:	None Stated
FCC ID Number:	WAWXCOM1
Country of Manufacture:	Italy
Date of Receipt:	23 April 2008

2.3. Modifications Incorporated in the EUT

During the course of testing the EUT was not modified.

2.4. Accessories

The following accessories were supplied with the EUT during testing:

Description:	Battery
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	100mm / 2 core
Connected to Port	Power and charger

Accessories (Continued)

Description:	Microphone
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	100mm / 2 core
Connected to Port	Audio

Description:	Loudspeakers
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	100mm / 2 core
Connected to Port	Audio

Description:	Serial interface cable
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	2 m, serial
Connected to Port	Serial port

Description:	On/off/audio switch
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	100mm / ribbon
Connected to Port	Power control

Accessories (Continued)

Description:	Accessory 1 cable
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	100mm / multicore
Connected to Port	Accessory 1

Description:	Accessory 2 cable
Brand Name:	Stilo
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	100mm / multicore
Connected to Port	Accessory 2

Description:	Mains AC charger
Brand Name:	Stilo
Model Name or Number:	OH-1048A0500300U - VDE
Serial Number:	None stated
Cable Length and Type:	2 metre / multicore
Connected to Port	Accessory 2

2.5. Support Equipment

The following support equipment was used to exercise the EUT during testing:

Description:	Serial interface cable
Brand Name:	None stated
Model Name or Number:	None stated
Serial Number:	None stated
Cable Length and Type:	2 metre / multicore
Connected to Port:	Serial I/O

Description:	Laptop computer
Brand Name:	None stated
Model Name or Number:	Dell Lattitude D610
Serial Number:	RFI asset No PC370
Cable Length and Type:	Not Aplicable
Connected to Port:	Serial I/O

2.6. Additional Information Related to Testing

Power Supply Requirement:	External DC Supply of 3.7 V		
Intended Operating Environment:	Commercial		
Equipment Category:	Bluetooth		
Type of Unit:	Transceiver		
Channel Spacing:	1000 (kHz)		
Modulation Type:	GFSK/PSK		
Transmit Frequency Range:	2.402 GHz to 2.480 GHz		
Transmit Channels Tested:	**Channel ID**	**Channel Number**	**Channel Frequency (GHz)**
	Bottom	0	2.402
	Middle	38	2.441
	Top	78	2.480
Receive Frequency Range:	2.402 GHz to 2.480 GHz		
Receive Channels Tested:	**Channel ID**	**Channel Number**	**Channel Frequency (GHz)**
	Bottom	0	2.402
	Middle	38	2.441
	Top	78	2.480

2.7. Port Identification

Port	Description	Type/Length
1	Serial Communications	RS232, 2m

3. Test Specification, Methods and Procedures

3.1. Test Specification

Reference:	FCC Part 15.247: 2006 Subpart C
Title:	Code of Federal Regulations, Part 15.247 (47CFR15) (Intentional Radiators operating within the band 2400 MHz to 2483.5 MHz)

3.2. Methods and Procedures

The methods and procedures used were as detailed in:

ANSI C63.2 (1996)
Title: American National Standard for Instrumentation - Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz.

ANSI C63.4 (2003)
Title: American National Standard Methods of Measurement of Electromagnetic Emissions from Low Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

ANSI C63.5 (1988)
Title: American National Standard for the Calibration of antennas used for Radiated Emission measurements in Electromagnetic Interference (EMI) control.

ANSI C63.7 (1988)
Title: American National Standard Guide for Construction of Open Area Test Sites for performing Radiated Emission Measurements.

CISPR 16-1: (1999)
Title: Specification For Radio Disturbance and Immunity Measuring Apparatus and Methods. Part 1: Radio Disturbance and Immunity Measuring Apparatus.

DA00-705 (2000)
Title: Filing and Frequency Measurement Guidelines for Frequency Hopping Spread Spectrum Systems.

3.3. Definition of Measurement Equipment

The measurement equipment used complied with the requirements of the standards referenced in the methods & procedures section above. Appendix 1 contains a list of the test equipment used.

4. Deviations from the Test Specification

There were no deviations from the test specification.

5. Operation and Configuration of the EUT during Testing

5.1. Operating Modes

The EUT was tested in the following operating modes, unless otherwise stated:

- In Bluetooth basic rate mode, controlled by a laptop PC. Transmit tests performed with the EUT transmitting at full power.
- Standby mode tests performed with the transmitter turned off but with the EUT connected to a mains charger.

5.2. Configuration and Peripherals

The EUT was tested in the following configuration:

- All accessories connected to all available ports. Loudspeakers and batteries mounted into foam from a crash helmet as supplied by the Client.

6. Summary of Test Results

Range of Measurements	FCC Part 15 Reference	Port Type	Compliancy Status
Idle Mode AC Conducted Emissions	15.107	AC Mains	Complied
Idle Mode Radiated Spurious Emissions	15.109	Antenna	Complied
Transmitter AC Conducted Emissions	15.207	AC Mains	Complied
Transmitter 20 dB Bandwidth	15.247(a)(1)	Antenna	Complied
Transmitter Carrier Frequency Separation	15.247(a)(1)	Antenna	Complied
Transmitter Average Time of Occupancy	15.247(a)(1)(iii)	Antenna	Complied
Transmitter Maximum Peak Output Power	15.247(b)(1)	Antenna	Complied
Transmitter Radiated Emissions	15.247(d) & 15.209(a)	Antenna	Complied
Transmitter Band Edge Radiated Emissions	15.247(d) & 15.209(a)	Antenna	Complied

6.1. Location of Tests

All the measurements described in this report were performed at the premises of
RFI Global Services Ltd, Ewhurst Park, Ramsdell, Basingstoke, Hampshire, RG26 5RQ

6.2. Site Registration Numbers

- FCC: 90895
- IC: 3485

7. Measurements, Examinations and Derived Results

7.1. General Comments

This section contains test results only.

Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%. Please refer to section 8 for details of measurement uncertainties.

7.2. Test Results

7.2.1. Idle Mode AC Conducted Spurious Emissions - Quasi-Peak Detector Measurements

Ambient Temperature: 15ºC Relative Humidity: 58 %

7.2.1.1. Tests were performed using the test methods detailed in ANSI C63.4 Section 7.

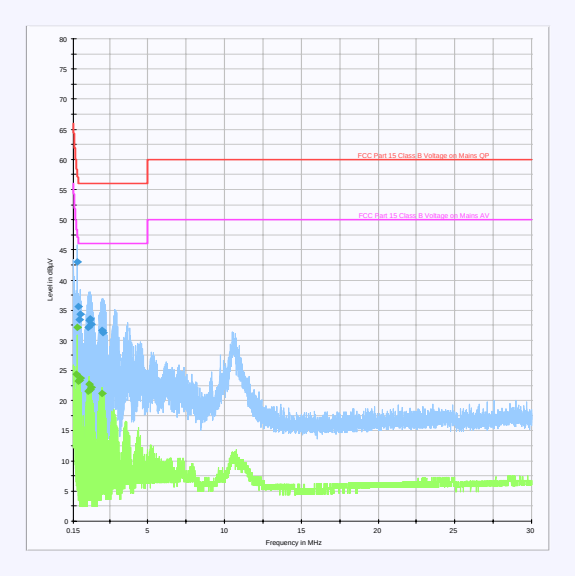
7.2.1.2. Tests were performed to identify the maximum emission levels present on the ac mains line of the EUT.

Frequency (MHz)	Line	Level (dBµV)	Limit (dBµV)	Margin (dB)	Result
0.418000	Neutral	43.0	57.5	14.5	Complied
0.478000	Neutral	35.6	56.4	20.8	Complied
0.538000	Neutral	33.4	56.0	22.6	Complied
0.598000	Neutral	34.3	56.0	21.7	Complied
1.134000	Neutral	32.2	56.0	23.8	Complied
1.194000	Neutral	33.3	56.0	22.7	Complied
1.254000	Neutral	33.5	56.0	22.5	Complied
1.314000	Neutral	32.7	56.0	23.3	Complied
2.034000	Live	31.7	56.0	24.3	Complied
2.090000	Neutral	31.3	56.0	24.7	Complied

7.2.2. Idle Mode AC Conducted Spurious Emissions - Average Detector Measurements

Frequency (MHz)	Line	Level (dBµV)	Limit (dBµV)	Margin (dB)	Result
0.358000	Live	24.4	48.8	24.4	Complied
0.418000	Live	32.1	47.5	15.4	Complied
0.478000	Live	23.2	46.4	23.2	Complied
0.538000	Live	23.3	46.0	22.7	Complied
0.598000	Live	23.8	46.0	22.2	Complied
1.138000	Live	21.5	46.0	24.5	Complied
1.194000	Live	22.8	46.0	23.2	Complied
1.258000	Live	21.8	46.0	24.2	Complied
1.314000	Live	22.2	46.0	23.8	Complied
2.034000	Live	21.2	46.0	24.8	Complied

Idle Mode AC Conducted Spurious Emissions (Continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

7.2.3. Idle Mode Radiated Spurious Emissions

Ambient Temperature: 15ºC Relative Humidity: 58 %

7.2.3.1. Tests were performed using the test methods detailed in ANSI C63.4 Section 8.

7.2.3.2. Tests were performed to identify the maximum receiver or standby radiated emission levels.

Results:

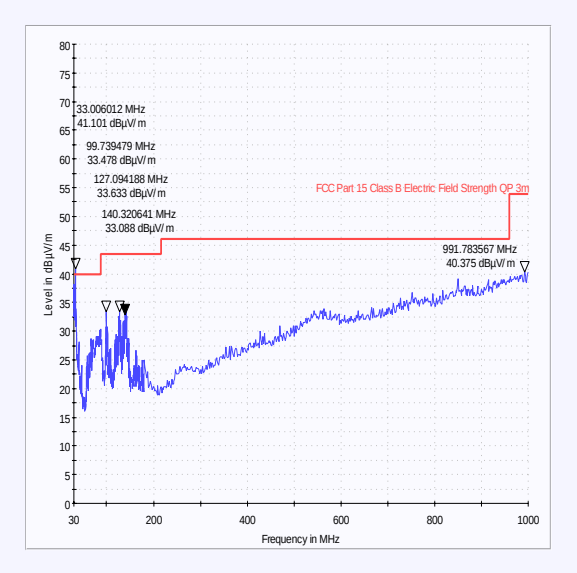
Electric Field Strength Measurements (Frequency Range: 30 MHz to 1000 MHz)

Frequency (MHz)	Antenna Polarity	Quasi-Peak Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
991.783	Horizontal	40.4	54.0	13.6	Complied

Note(s):

1. *The preliminary scans showed similar emission levels for each mode below 1 GHz, therefore final radiated emissions measurements were performed with the EUT set to the top channel only.*
2. *No spurious emissions were detected above the noise floor of the measuring receiver; therefore, the highest peak noise floor reading of the measuring receiver was recorded as shown in the table above. The peak level was compared to the average limit as opposed to being compared to the peak limit because this is the more onerous limit.*
3. *All emissions shown on the above plot were investigated and were found to be noise floor or ambience.*

Idle Mode Radiated Spurious Emissions (Continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

7.2.4. Idle Mode Radiated Spurious Emissions (Continued)

Ambient Temperature: 15ºC Relative Humidity: 58 %

Electric Field Strength Measurements (Frequency Range: 1 GHz to 12.5 GHz)

Highest Peak Level:

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
1.971943	Vertical	54.2	-8.0	46.2	54.0	7.8	Complied

Note(s):

1. *No spurious emissions were detected above the noise floor of the measuring receiver; therefore, the highest peak noise floor reading of the measuring receiver was recorded as shown in the table above. The peak level was compared to the average limit as opposed to being compared to the peak limit because this is the more onerous limit.*

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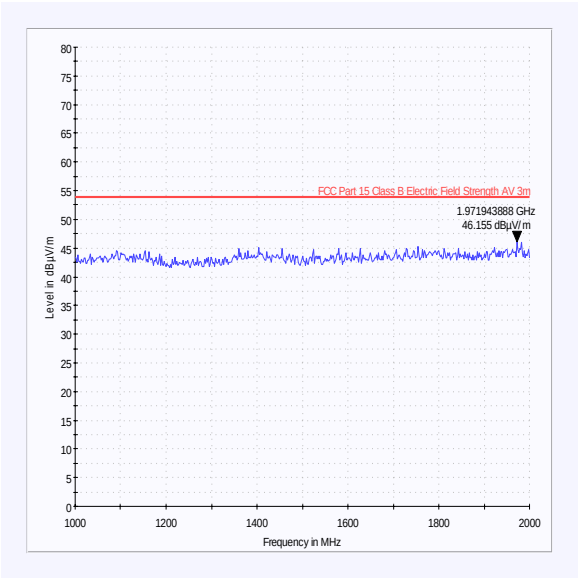
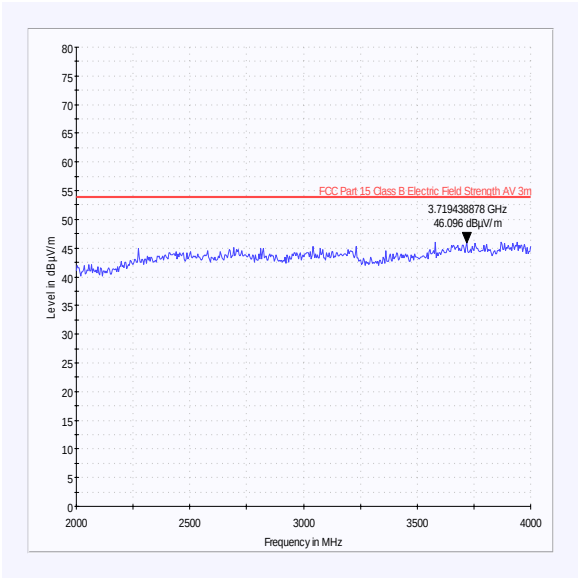
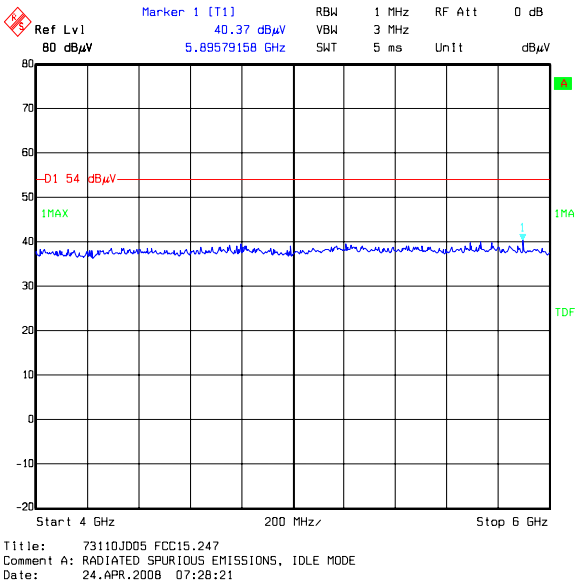
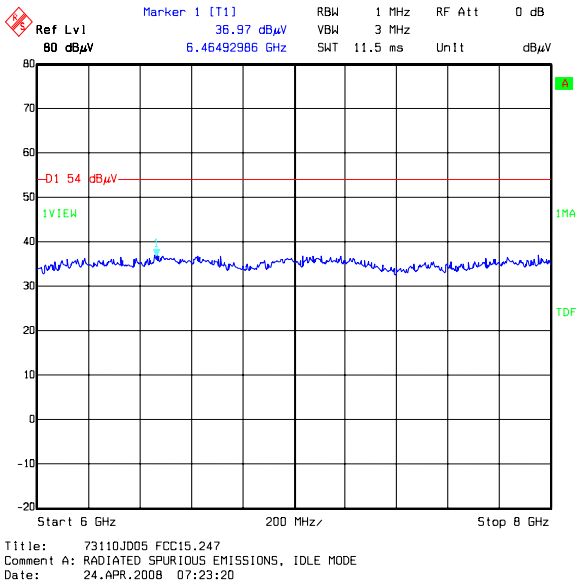
To: FCC Part 15.247: 2006 (Subpart C)

Idle Mode Radiated Spurious Emissions (Continued)









Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Stilo srl
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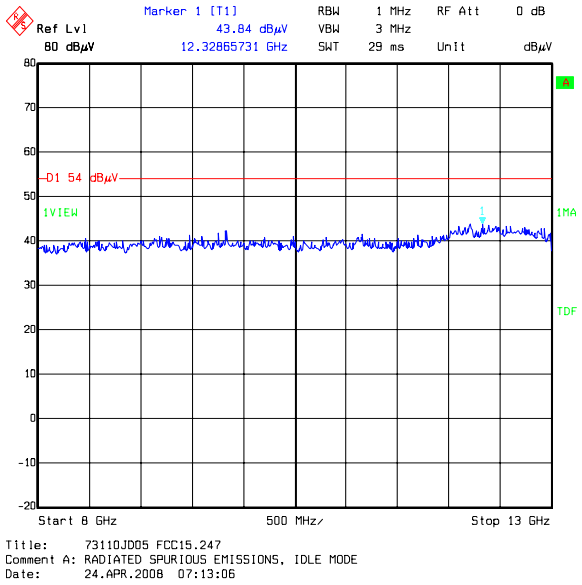
Idle Mode Radiated Spurious Emissions (Continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

7.2.5. Transmitter AC Conducted Spurious Emissions

Ambient Temperature: 15ºC Relative Humidity: 58 %

Tests were performed using the test methods detailed in ANSI C63.4 Section 7.

Tests were performed to identify the maximum emission levels present on the ac mains line of the EUT.

Results:

Quasi-Peak Detector Measurements on Live and Neutral Lines

Top Channel

Frequency (MHz)	Line	Level (dBµV)	Limit (dBµV)	Margin (dB)	Result
0.418000	Neutral	42.2	57.5	15.3	Complied
0.446000	Live	26.6	56.9	30.3	Complied
0.478000	Neutral	39.9	56.4	16.5	Complied
0.538000	Neutral	32.6	56.0	23.4	Complied
0.598000	Neutral	33.0	56.0	23.0	Complied
1.078000	Live	31.9	56.0	24.1	Complied
1.490000	Live	32.5	56.0	23.5	Complied
1.550000	Live	31.6	56.0	24.4	Complied
2.150000	Live	30.7	56.0	25.3	Complied
2.814000	Live	27.2	56.0	28.8	Complied

Average Detector Measurements on Live and Neutral Lines

Top Channel

Frequency (MHz)	Line	Level (dBµV)	Limit (dBµV)	Margin (dB)	Result
0.418000	Live	29.5	47.5	18.0	Complied
0.478000	Live	26.2	46.4	20.2	Complied
0.538000	Live	21.3	46.0	24.7	Complied
0.598000	Live	21.0	46.0	25.0	Complied
0.658000	Live	18.8	46.0	27.2	Complied
0.958000	Live	19.4	46.0	26.6	Complied
1.074000	Live	19.7	46.0	26.3	Complied
1.194000	Live	19.5	46.0	26.5	Complied
1.314000	Live	19.2	46.0	26.8	Complied
1.434000	Live	18.9	46.0	27.1	Complied

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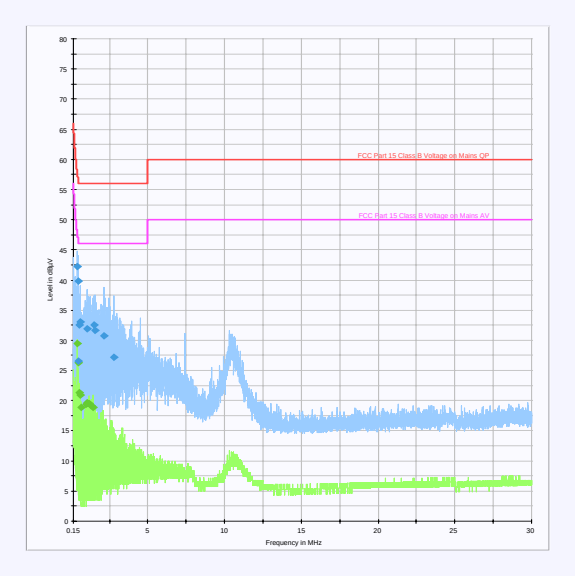
Transmitter AC Conducted Spurious Emissions (Continued)



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying tables.

7.2.6. Transmitter 20 dB Bandwidth

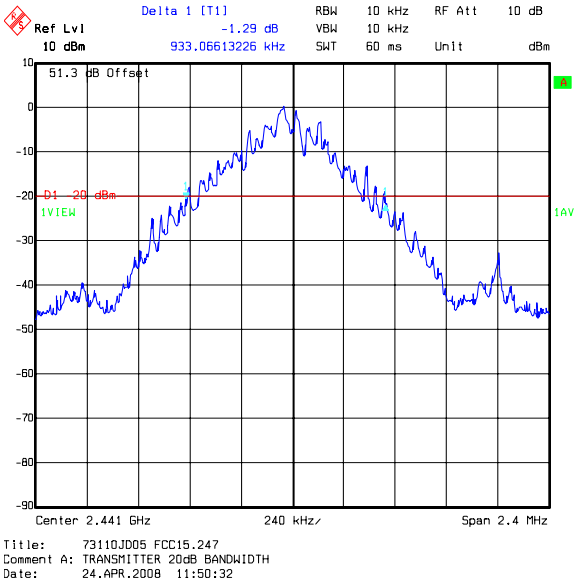
Ambient Temperature: 11ºC Relative Humidity: 80 %

Tests were performed using the test methods detailed in Public Notice DA 00-705 (March 30, 2000).

Tests were performed to identify the 20 dB bandwidth.

Results:

Transmitter 20 dB Bandwidth (kHz)	Limit (kHz)
933.066	None specified



7.2.7. Transmitter Carrier Frequency Separation

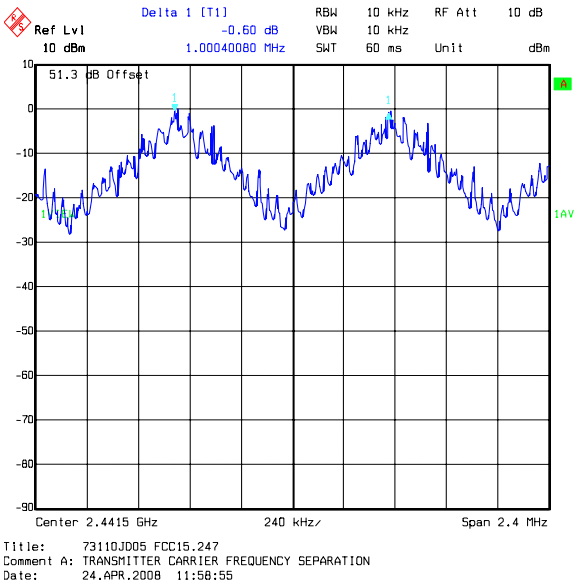
Ambient Temperature: 11ºC Relative Humidity: 80 %

Tests were performed using the test methods detailed in Public Notice DA 00-705 (March 30, 2000).

Tests were performed to identify the carrier frequency separation.

Results:

Transmitter Carrier Frequency Separation (kHz)	Limit ($^2/_3$ of 20 dB BW) (kHz)	Margin (kHz)	Result
1000.400	622.044	378.356	Complied



7.2.8. Transmitter Average Time of Occupancy

Ambient Temperature: 11ºC Relative Humidity: 80 %

Tests were performed using the test methods detailed in Public Notice DA 00-705 (March 30, 2000).

Tests were performed to identify the average time of occupancy in number of channels (79) x 0.4 seconds. The calculated period is 31.6 seconds.

Results:

Emission Width (μs)	Number of Hops in 31.6 Seconds	Average Time of Occupancy (s)	Limit (s)	Margin (s)	Result
2925.119	112	0.3276	0.4	0.0724	Complied

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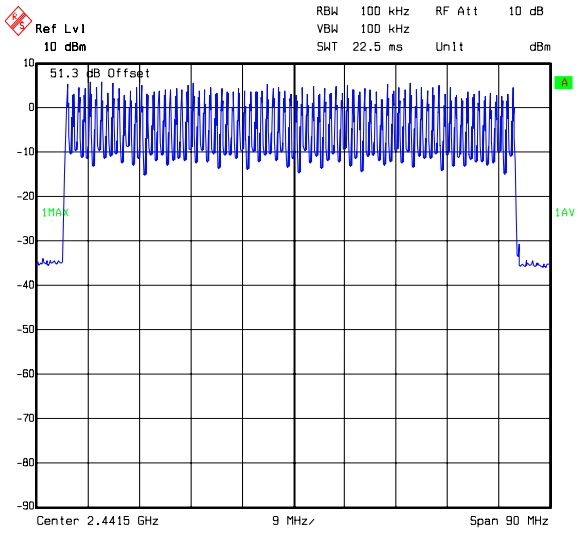
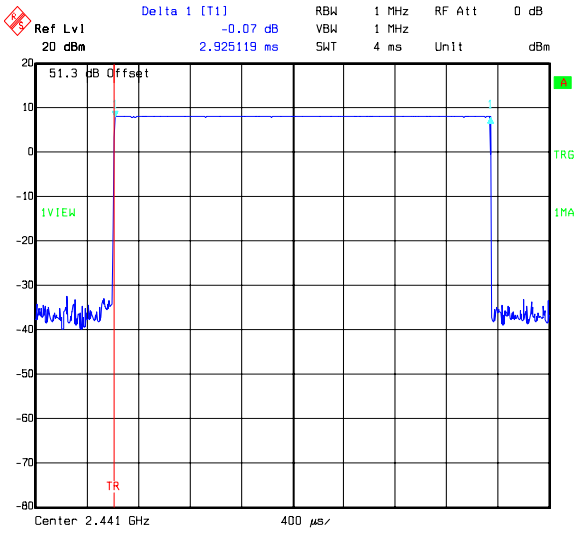
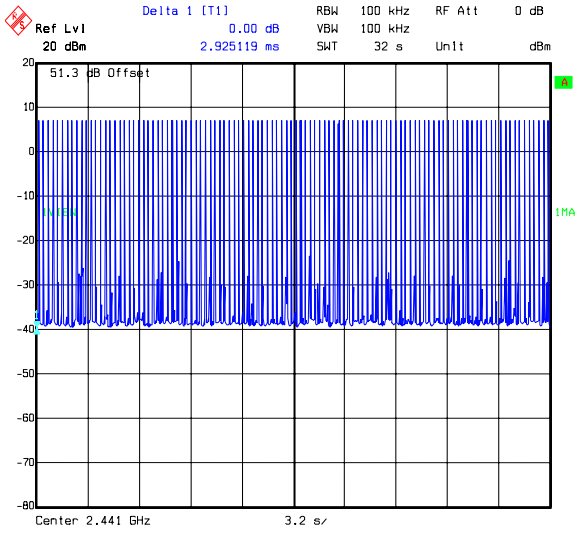
Transmitter Average Time of Occupancy (Continued)



Title: 73110JD05 FCC15.247
Comment A: AVERAGE TIME OF OCCUPANCY, NUMBER OF CHANNELS
Date: 24.APR.2008 12:03:03



Title: 73110JD05 FCC15.247
Comment A: AVERAGE TIME OF OCCUPANCY, PULSE LENGTH
Date: 24.APR.2008 12:11:09



Title: 73110JD05 FCC15.247
Comment A: AVERAGE TIME OF OCCUPANCY, NUMBER OF HOPS
Date: 24.APR.2008 12:17:17

7.2.9. Transmitter Maximum Peak Output Power: (EIRP)

Ambient Temperature: 11ºC Relative Humidity: 80 %

Tests were performed using the test methods detailed in Public Notice DA 00-705 (March 30, 2000), ANSI TIA-603-C-2004 and FCC CFR Part 2.

Tests were performed to identify the transmitter maximum peak output power (EIRP) of the EUT.

Results:

Battery Powered Devices

Channel	EIRP (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	-2.6	30.0	32.6	Complied
Middle	-2.0	30.0	32.0	Complied
Top	-3.3	30.0	33.3	Complied

Note(s):

1. *These tests were performed radiated; therefore the EUT antenna gain is encompassed in the final result and not measurable.*

7.2.10. Transmitter Radiated Emissions

Ambient Temperature: 15ºC Relative Humidity: 58 %

Tests were performed using the test methods detailed in ANSI C63.4 Section 8 and Public Notice DA 00-705 (March 30, 2000).

Tests were performed to identify the maximum transmitter radiated emission levels.

Results:

Electric Field Strength Measurements: 30 MHz to 1000 MHz

Top Channel

Frequency (MHz)	Antenna Polarity	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
970.420	Horizontal	40.3	54.0	13.7	Complied

Note(s):

1. *The preliminary scans showed similar emission levels below 1 GHz, for each channel of operation. Therefore final radiated emissions measurements were performed with the EUT set to the top channel only.*
2. *No spurious emissions were detected above the noise floor of the measuring receiver; therefore, the highest peak noise floor reading of the measuring receiver was recorded as shown in the table above. The peak level was compared to the average limit as opposed to being compared to the peak limit because this is the more onerous limit.*
3. *All emissions shown on the above plot were investigated and were found to be noise floor or ambience.*

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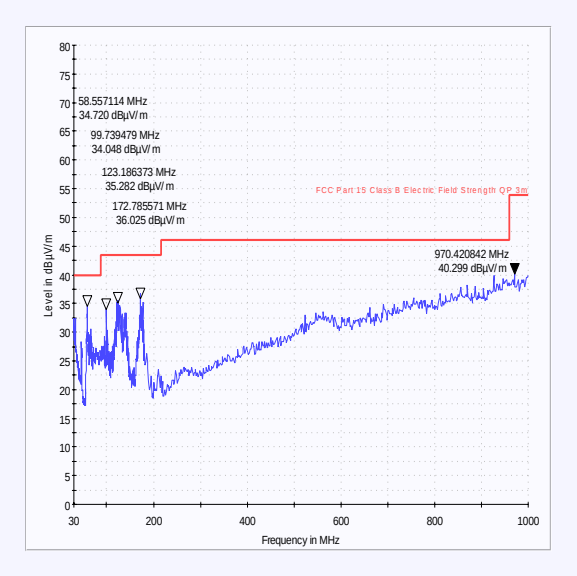
Transmitter Radiated Emissions (Continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Radiated Emissions (Continued)

Results:

Electric Field Strength Measurements (Frequency Range: 1 to 26 GHz - emissions occurring in the restricted bands)

Highest Peak Level: Bottom Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4.803994	Horizontal	62.5	-3.3	59.2	74.0	14.8	Complied

Highest Average Level: Bottom Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4.803994	Horizontal	51.8	-3.3	48.5	54.0	5.5	Complied

Highest Peak Level: Middle Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4.881994	Horizontal	60.0	-3.5	56.5	74.0	17.5	Complied
7.322909	Horizontal	47.0	-0.4	46.6	74.0	27.4	Complied

Highest Average Level: Middle Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4.881994	Horizontal	50.0	-3.5	46.5	54.0	7.5	Complied
7.322909	Horizontal	34.9	-0.4	34.5	54.0	19.5	Complied

Transmitter Radiated Emissions (Continued)

Results:

Highest Peak Level: Top Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBµV)	Transducer Factor (dB)	Actual Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
4.960015	Horizontal	56.9	-3.7	53.2	74.0	20.8	Complied
7.439949	Horizontal	49.6	-0.5	49.1	74.0	24.9	Complied

Highest Average Level: Top Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBµV)	Transducer Factor (dB)	Actual Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
4.960015	Horizontal	52.6	-3.7	48.9	54.0	5.1	Complied
7.439949	Horizontal	38.6	-0.5	38.1	54.0	15.9	Complied

Highest Peak Level: Hopping Mode

Frequency (GHz)	Antenna Polarity	Detector Level (dBµV)	Transducer Factor (dB)	Actual Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
4.811842	Horizontal	61.7	-3.3	58.4	74.0	15.6	Complied
7.316733	Horizontal	45.7	-0.4	45.3	74.0	28.7	Complied

Highest Average Level: Hopping Mode

Frequency (GHz)	Antenna Polarity	Detector Level (dBµV)	Transducer Factor (dB)	Actual Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
4.811842	Horizontal	33.2	-3.3	29.7	54.0	24.3	Complied
7.316733	Horizontal	31.2	-0.4	30.8	54.0	23.2	Complied

Transmitter Radiated Emissions (Continued)

Results:

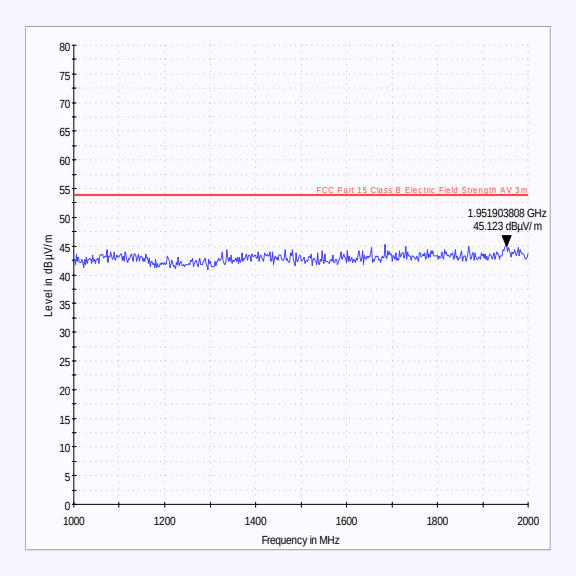
Electric Field Strength Measurements (Frequency Range: 1 to 26 GHz - emissions outside the restricted bands)

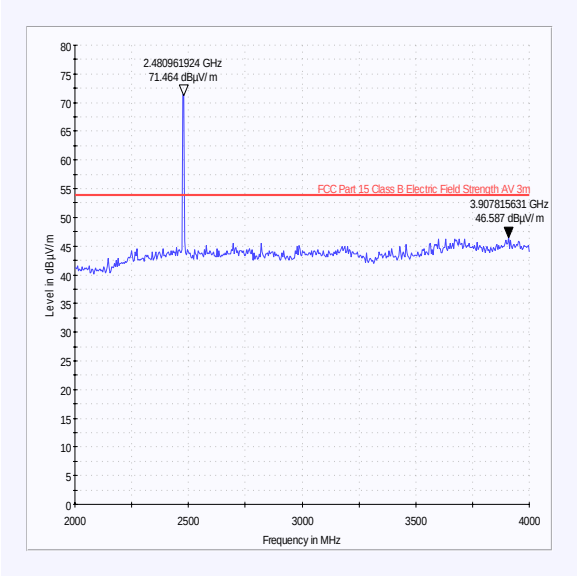
Highest Peak Level: Bottom Channel

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	-20 dBc Limit (dBμV/m)	Margin (dB)	Result
7.205739	Horizontal	45.7	0.2	45.5	72.6	27.1	Complied

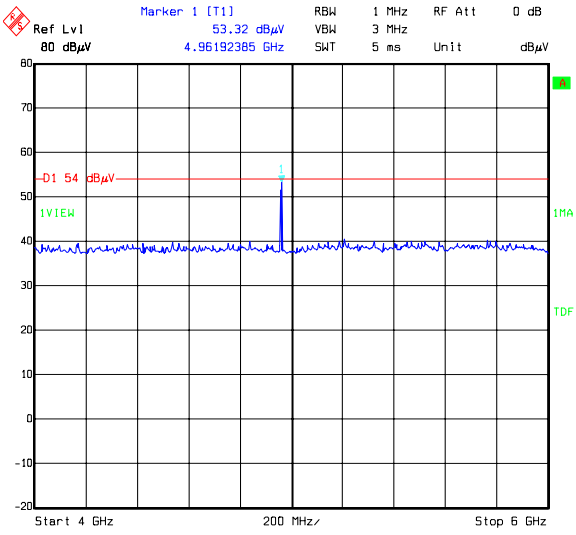
Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003
To: FCC Part 15.247: 2006 (Subpart C)

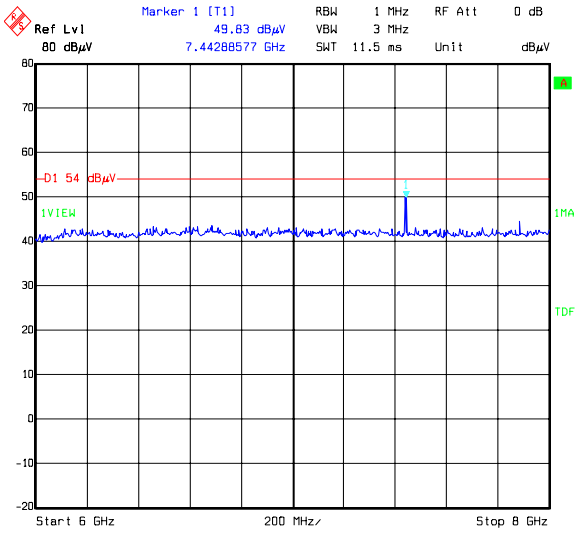
Transmitter Radiated Emissions (Continued)





NOTE: The carrier is shown on the above plot at 2480.961 MHz

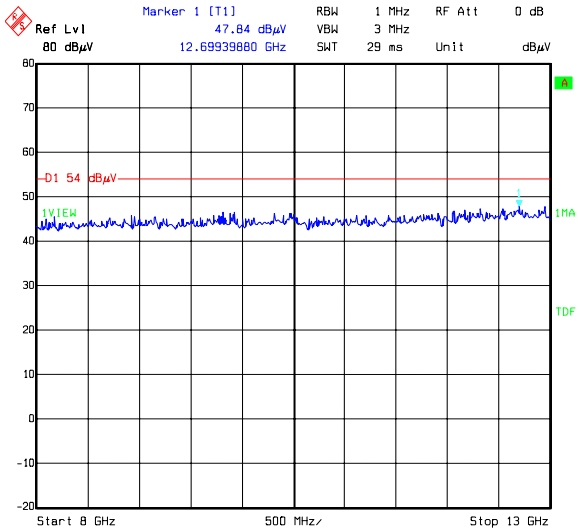




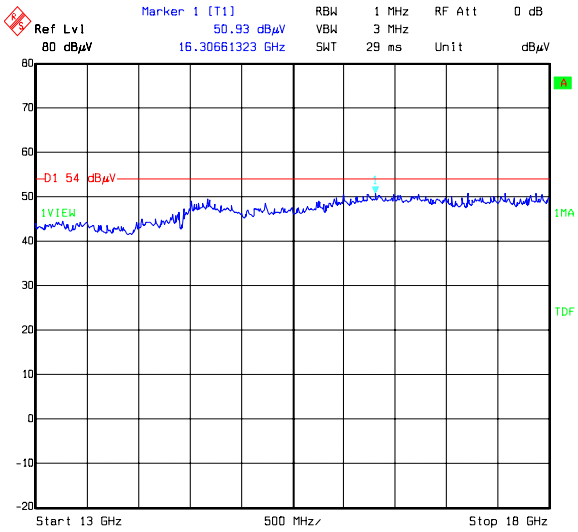
Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003
To: FCC Part 15.247: 2006 (Subpart C)

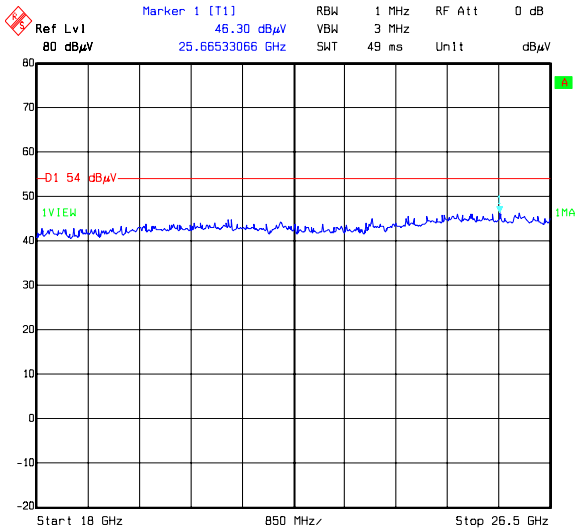
Transmitter Radiated Emissions (Continued)



Title: 73110JD05 FCC15.247
Comment A: TX RADIATED EMISSIONS TOP CHANNEL
Date: 23.APR.2008 14:16:57



Title: 73110JD05 FCC15.247
Comment A: TX RADIATED EMISSIONS TOP CHANNEL
Date: 23.APR.2008 14:20:33



Title: 73110JD05 FCC15.247
Comment A: TX RADIATED EMISSIONS TOP CHANNEL
Date: 23.APR.2008 14:23:45

Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

7.2.11. Transmitter Band Edge Radiated Emissions

Ambient Temperature: 11ºC Relative Humidity: 80 %

Tests were performed using the test methods detailed in ANSI C63.4 Section 8 and Public Notice DA 00-705 (March 30, 2000).

Tests were performed to identify the maximum radiated band edge emissions.

Results:

Electric Field Strength Measurements

Peak Power Level Hopping Mode:

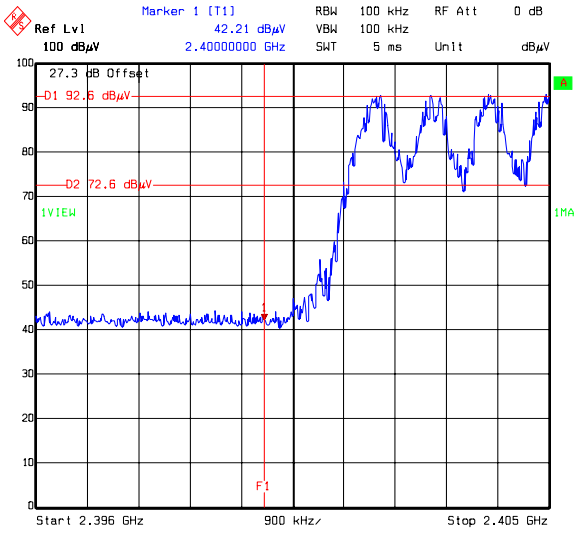
Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2.4000	Horizontal	48.7	-6.5	42.2	*72.6	30.4	Complied
2.4835	Vertical	52.9	-8.0	44.9	74.0	29.1	Complied

Average Power Level Hopping Mode:

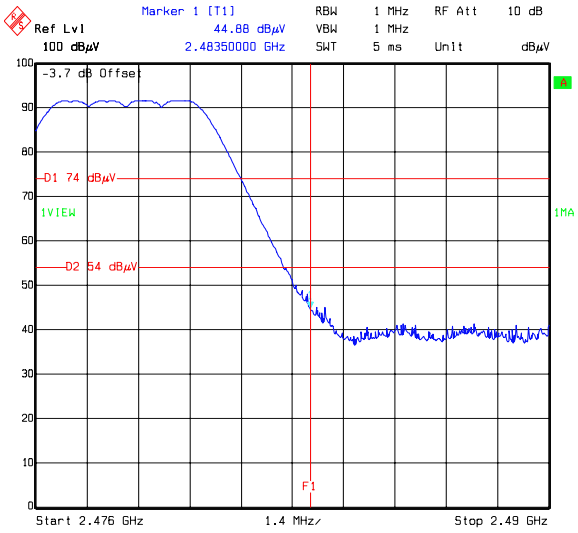
Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2.4835	Vertical	37.0	-8.0	29.0	54.0	25.0	Complied

Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003
To: FCC Part 15.247: 2006 (Subpart C)

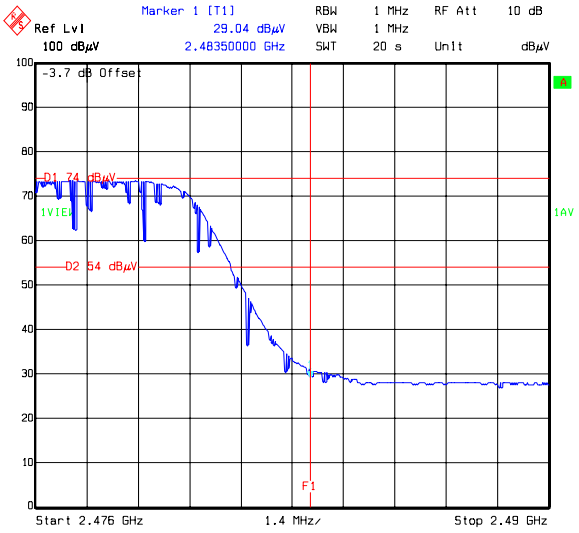
Transmitter Band Edge Radiated Emissions (Continued)



Title: 73110JD05 FCC15.247
Comment A: TX BAND EDGE, HOPPING, BOTTOM CHANNEL, PEAK
Date: 24.APR.2008 11:28:51



Title: 73110JD05 FCC15.247
Comment A: TX BAND EDGE, HOPPING, TOP CHANNEL, PEAK
Date: 24.APR.2008 11:05:13



Title: 73110JD05 FCC15.247
Comment A: TX BAND EDGE, HOPPING, TOP CHANNEL, AVERAGE
Date: 24.APR.2008 11:02:10

Transmitter Band Edge Radiated Emissions (Continued)

Results:

Peak Power Level Static Mode:

Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2.4000	Horizontal	50.7	-6.5	44.7	*72.6	27.9	Complied
2.4835	Vertical	58.9	-8.0	50.1	74.0	23.9	Complied

Average Power Level Static Mode:

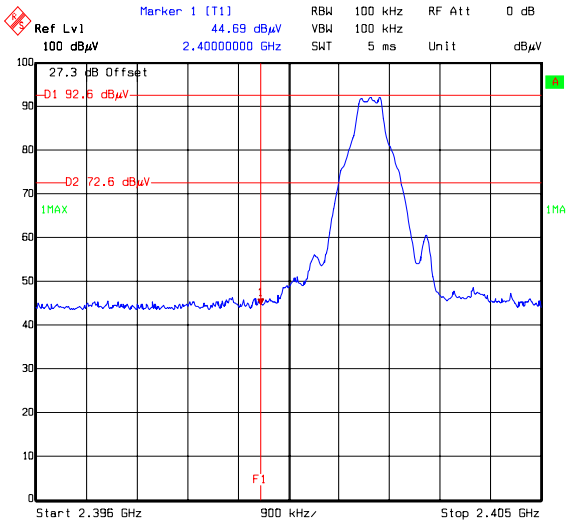
Frequency (GHz)	Antenna Polarity	Detector Level (dBμV)	Transducer Factor (dB)	Actual Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2.4835	Vertical	48.8	-8.0	40.8	54.0	13.2	Complied

Note(s):

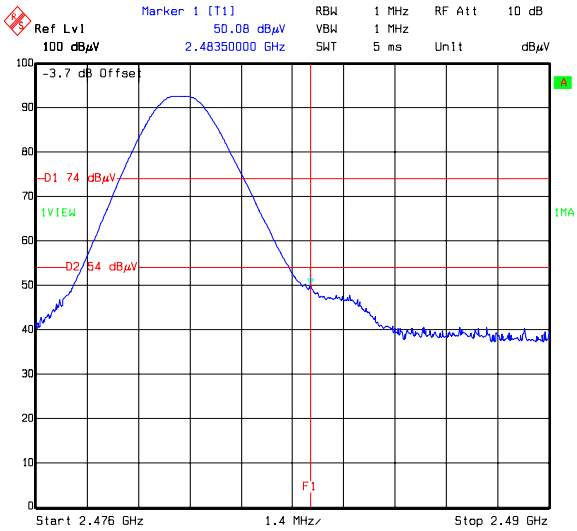
1. ** -20 dBc limit*

Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003
To: FCC Part 15.247: 2006 (Subpart C)

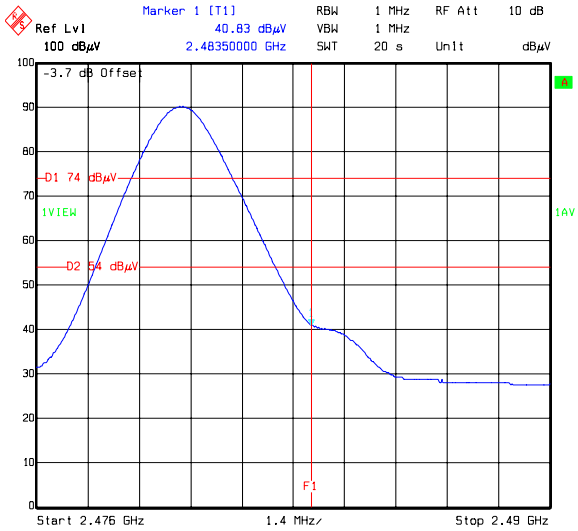
Transmitter Band Edge Radiated Emissions (Continued)



Title: 73110JD05 FCC15.247
Comment A: TX BAND EDGE, STATIC, BOTTOM CHANNEL, PEAK
Date: 24.APR.2008 11:23:36



Title: 73110JD05 FCC15.247
Comment A: TX BAND EDGE, STATIC, TOP CHANNEL, PEAK
Date: 24.APR.2008 11:11:21



Title: 73110JD05 FCC15.247
Comment A: TX BAND EDGE, STATIC, TOP CHANNEL, AVERAGE
Date: 24.APR.2008 11:13:22

8. Measurement Uncertainty

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently, the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor, such that a confidence level of approximately 95% is maintained. For the purposes of this document “approximately” is interpreted as meaning “effectively” or “for most practical purposes”.

Measurement Type	**Range**	**Confidence Level (%)**	**Calculated Uncertainty**
AC Conducted Spurious Emissions	0.15 MHz to 30 MHz	95%	+/- 3.25 dB
Transmitter Maximum Peak Output Power	Not applicable	95%	+/- 2.94 dB
Transmitter Carrier Frequency Separation	Not applicable	95%	+/- 0.01 ppm
Transmitter Average Time of Occupancy	Not applicable	95%	+/- 10 %
20 dB Bandwidth	Not applicable	95%	+/- 0.12 %
Radiated Spurious Emissions	30 MHz to 1000 MHz	95%	+/- 5.26 dB
Radiated Spurious Emissions	1 GHz to 26.5 GHz	95%	+/- 2.94 dB

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty, the published guidance of the appropriate accreditation body is followed.

Appendix 1. Test Equipment Used

RFI No.	Instrument	Manufacturer	Type No.	Serial No.	Date Last Calibrated	Cal. Interval (Months)
A028	Antenna	Eaton	91888-2	304	08 Jun 2006	36
A031	Antenna	Eaton	91889-2	557	08 Jun 2006	36
A067	Line Impedance Stabilization Network	Rohde & Schwarz	ESH3-Z5	890603/002	19 May 2008	12
A1534	Pre Amplifier	Hewlett Packard	8449B OPT H02	3008A00405	Calibrated before use	-
A1829	Pulse Limiter	Rhode & Schwarz	ESH3-Z2	100671	16 Jan 2008	12
A253	Antenna	Flann Microwave	12240-20	128	17 Nov 2006	36
A254	Antenna	Flann Microwave	14240-20	139	17 Nov 2006	36
A255	Antenna	Flann Microwave	16240-20	519	17 Nov 2006	36
A436	Antenna	Flann	20240-20	330	24 Apr 2006	36
A490	Antenna	Chase	CBL6111A	1590	07 Feb 2008	12
C1065	Cable	Rosenberger	UFA210-1-7872	0985	Calibrated before use	-
C1167	Cable	Rosenberger Micro-Coax	FA210A1030007 070	43190-01	Calibrated before use	-
M1242	Spectrum Analyser	Rohde & Schwarz, Inc.	FSEM30	845986/022	29 Nov 2007	12
M1273	Test Receiver	Rhode & Schwarz	ESIB 26	100275	26 Feb 2008	12
S202	Site 2	RFI	2	S202-15011990	28 Jan 2008	12
S209	Anechoic Chamber	RFI	9	None	Verified before use	-

NB In accordance with UKAS requirements, all the measurement equipment is on a calibration schedule.

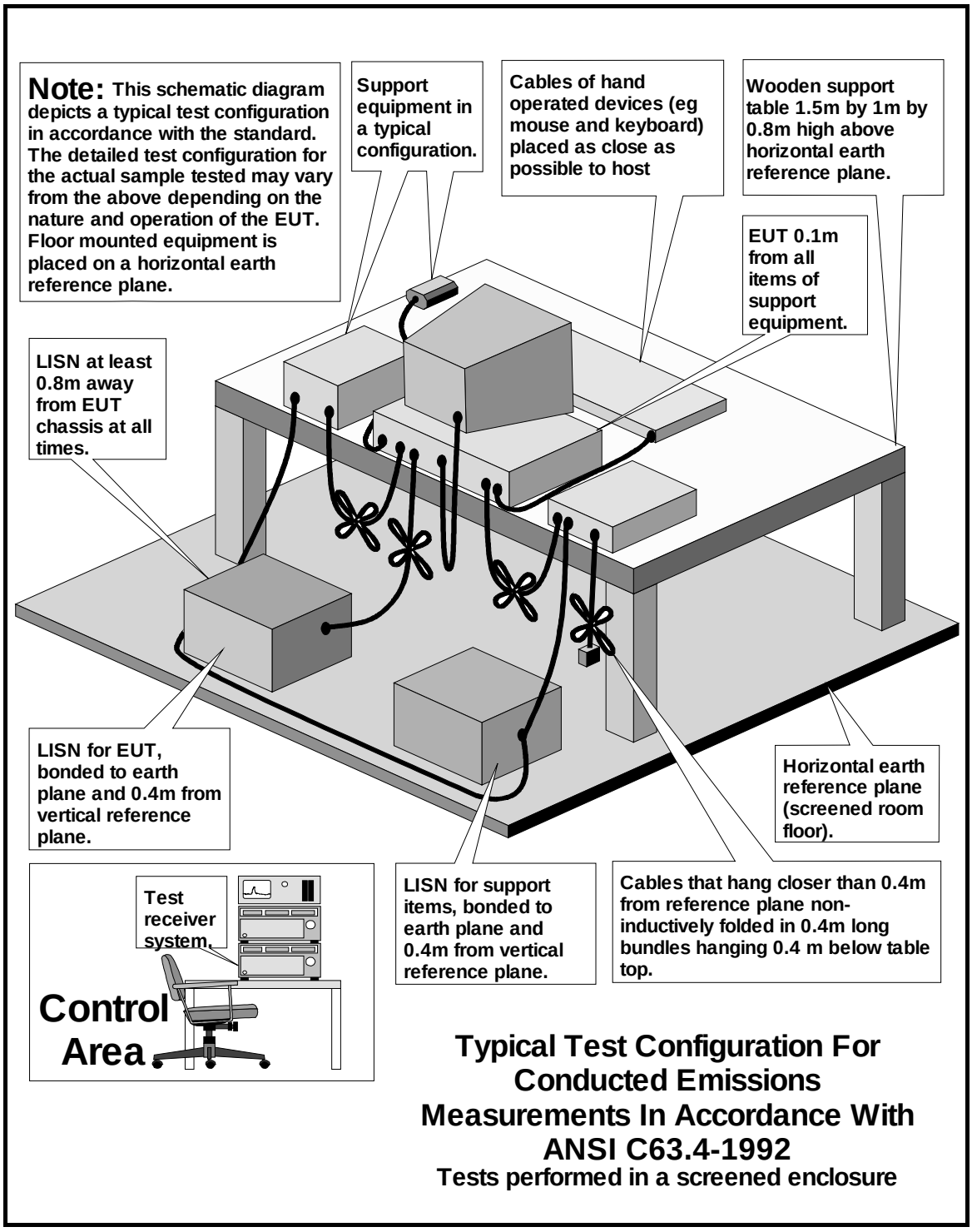
Appendix 2. Test Configuration Drawings

This appendix contains the following drawings:

Drawing Reference Number	Title
DRG\73110JD05\EMICON	Test configuration for measurement of conducted emissions.
DRG\73110JD05\EMIRAD	Test configuration for measurement of radiated emissions.

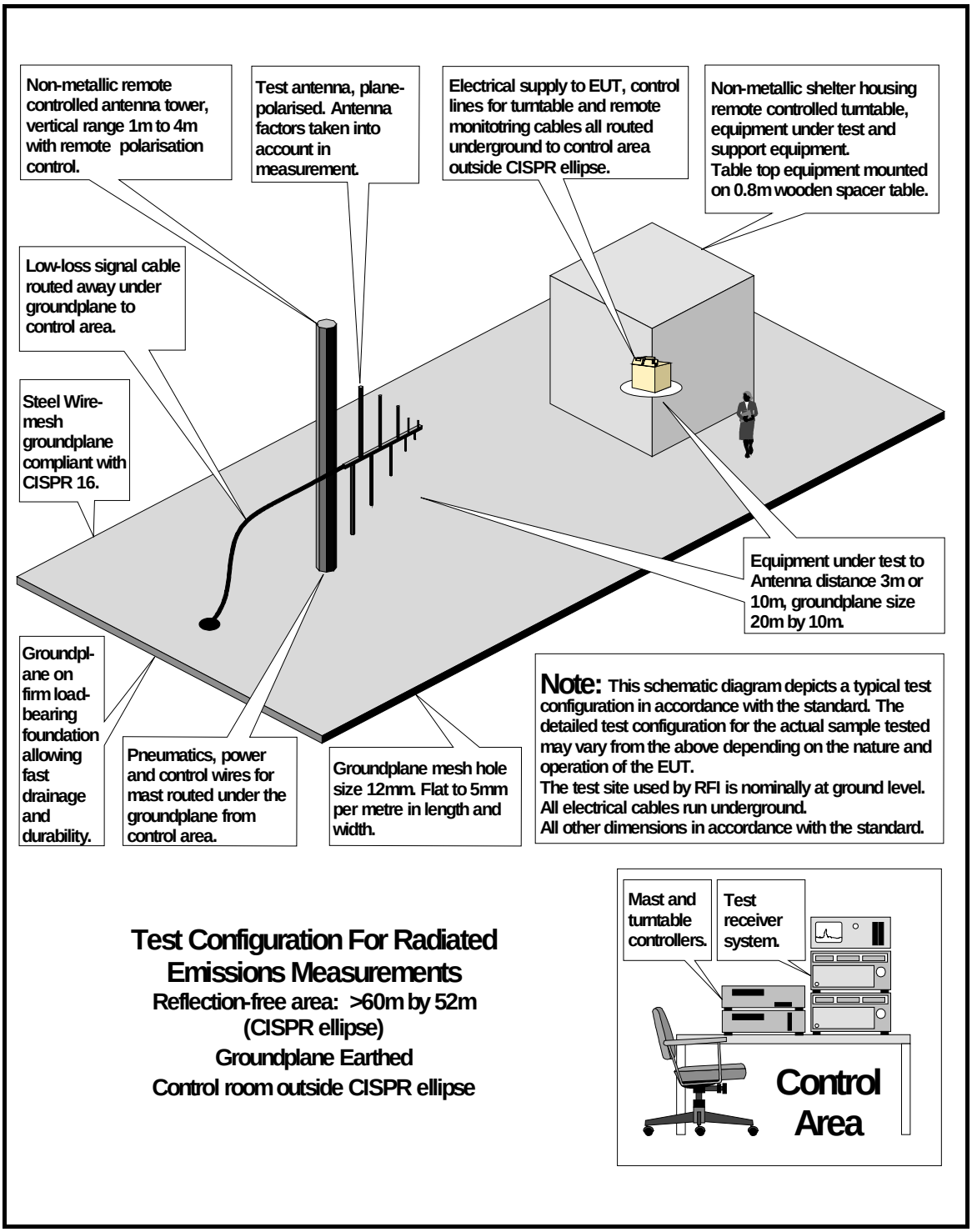
Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003
To: FCC Part 15.247: 2006 (Subpart C)

DRG\73110JD05\EMICON



Test of: Stilo srl
Stilo-Nolan Bluetooth System XCOM Model EI0003
To: FCC Part 15.247: 2006 (Subpart C)

DRG\73110JD05\EMIRAD



Test Configuration For Radiated Emissions Measurements
Reflection-free area: >60m by 52m (CISPR ellipse)
Groundplane Earthed
Control room outside CISPR ellipse