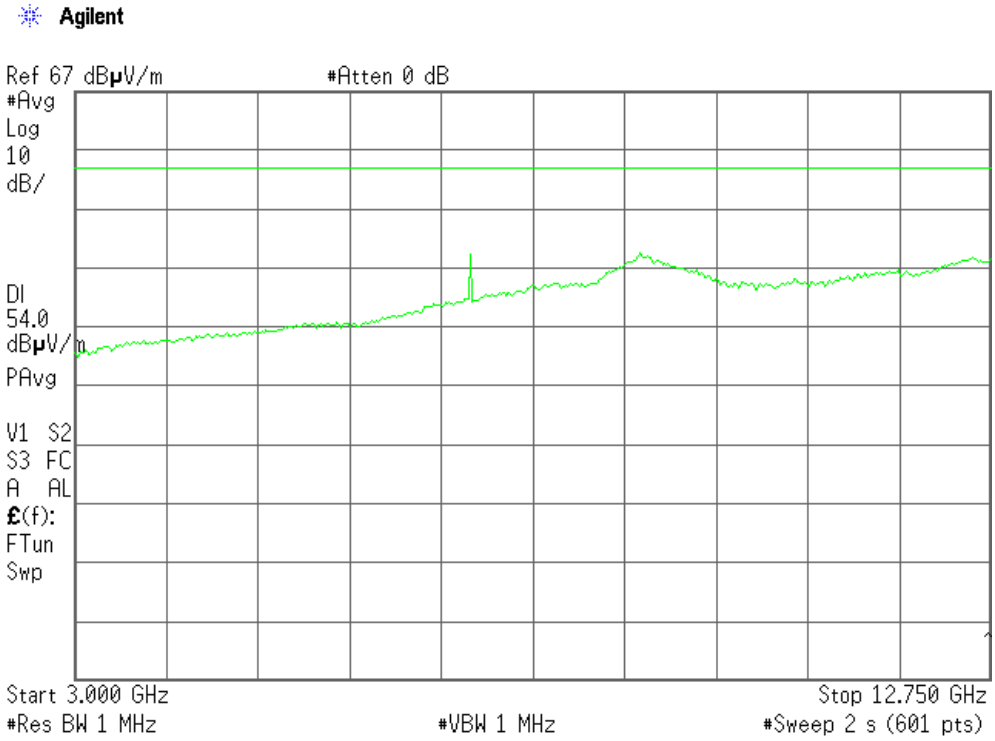
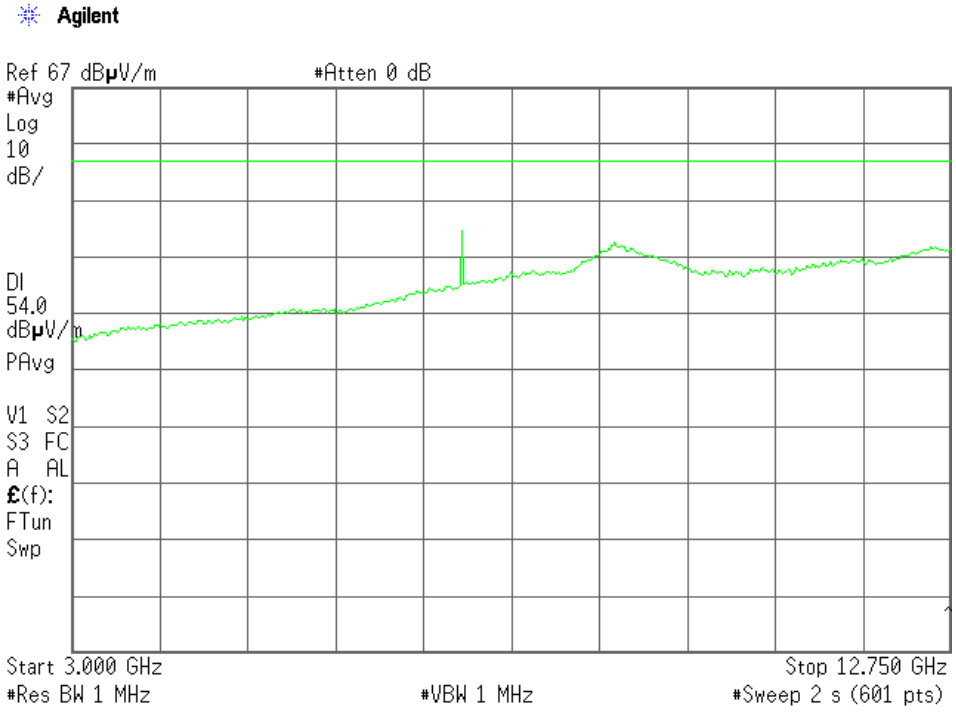
FREQUENCY RANGE 3 GHz to 12.75 GHz.

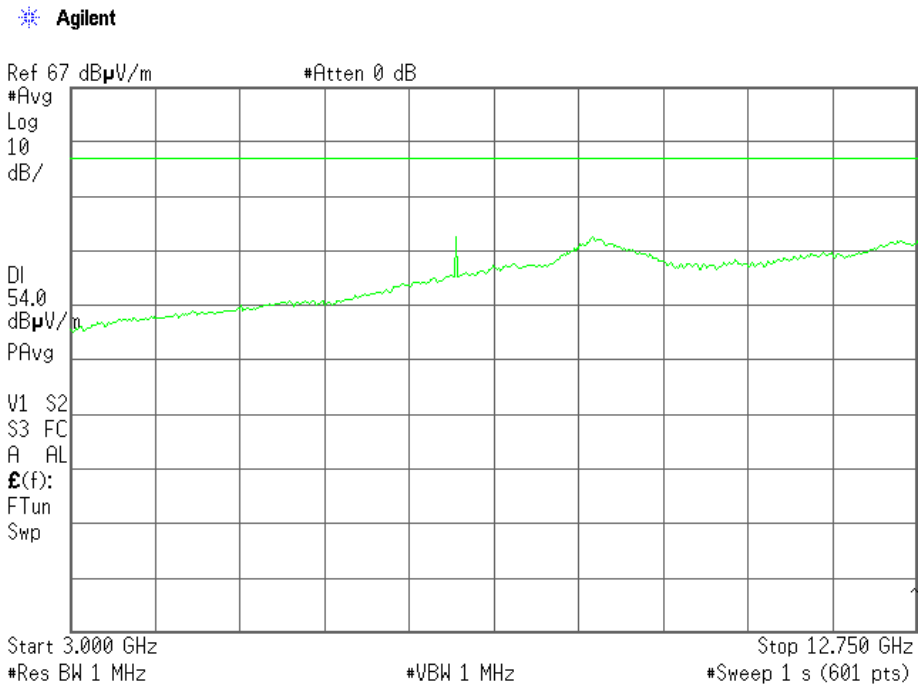
CHANNEL: Lowest (2402 MHz).



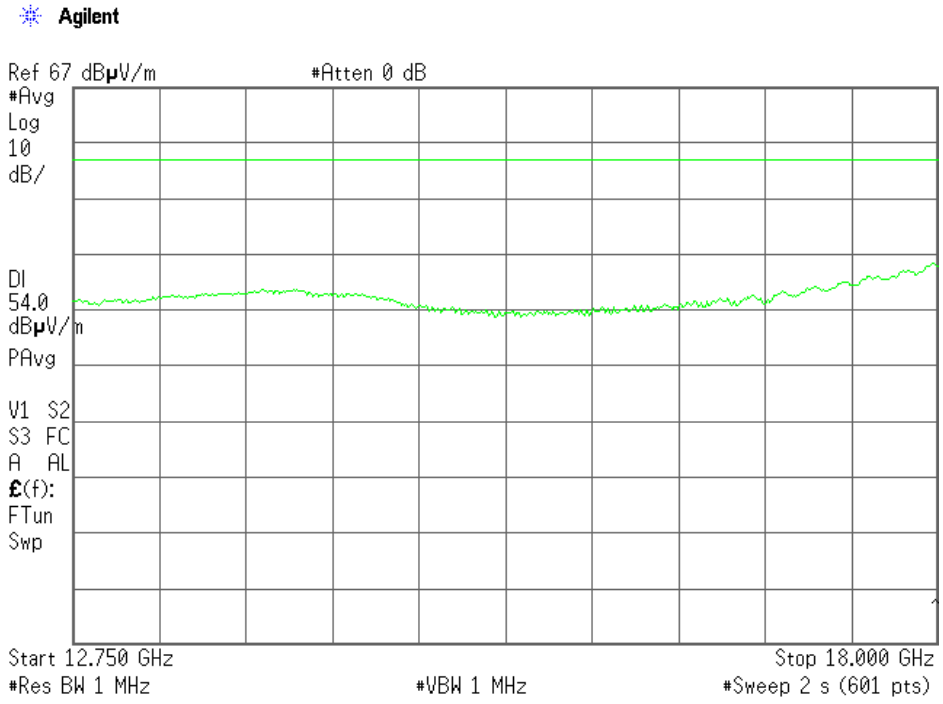
CHANNEL: Middle (2441 MHz).



CHANNEL: Highest (2480 MHz).

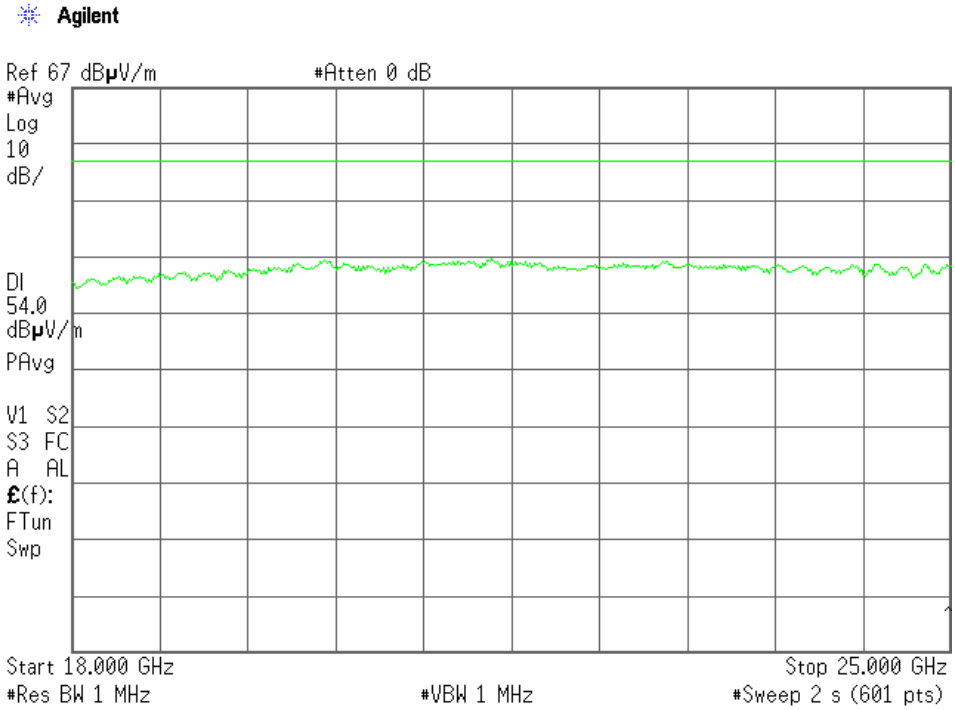


FREQUENCY RANGE 12.75 GHz to 18 GHz.



(This plot is valid for all three channels).

FREQUENCY RANGE 18 GHz to 25 GHz.



(This plot is valid for all three channels).

Section 15.109. Receiver spurious radiation

SPECIFICATION

The field strength shall not exceed the following values:

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360º and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-1000 MHz and at distance of 1m for the frequency range 1 GHz-25 GHz.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyser. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

It is not possible to select individual receiving channels in the equipment under test. The equipment under test is set in inquiry scan mode with the receiver open and scanning through receiving channels.

Frequency range 30 MHz-1000 MHz.

No spurious signals found.

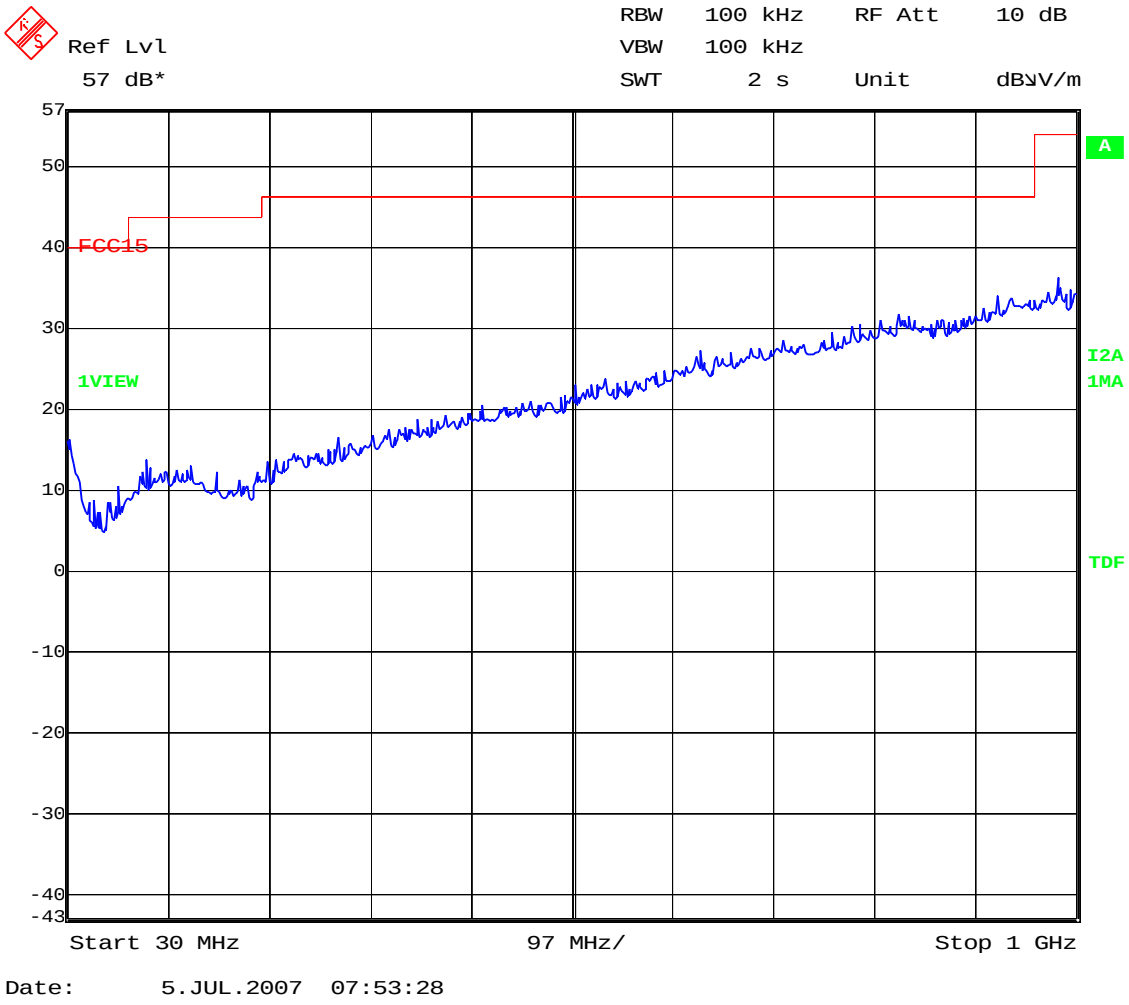
Frequency range 1 GHz-25 GHz.

No spurious signals found.

Additionally, no spurious signals were found inside the restricted bands 2310-2390 MHz and 2483.5-2500 MHz.

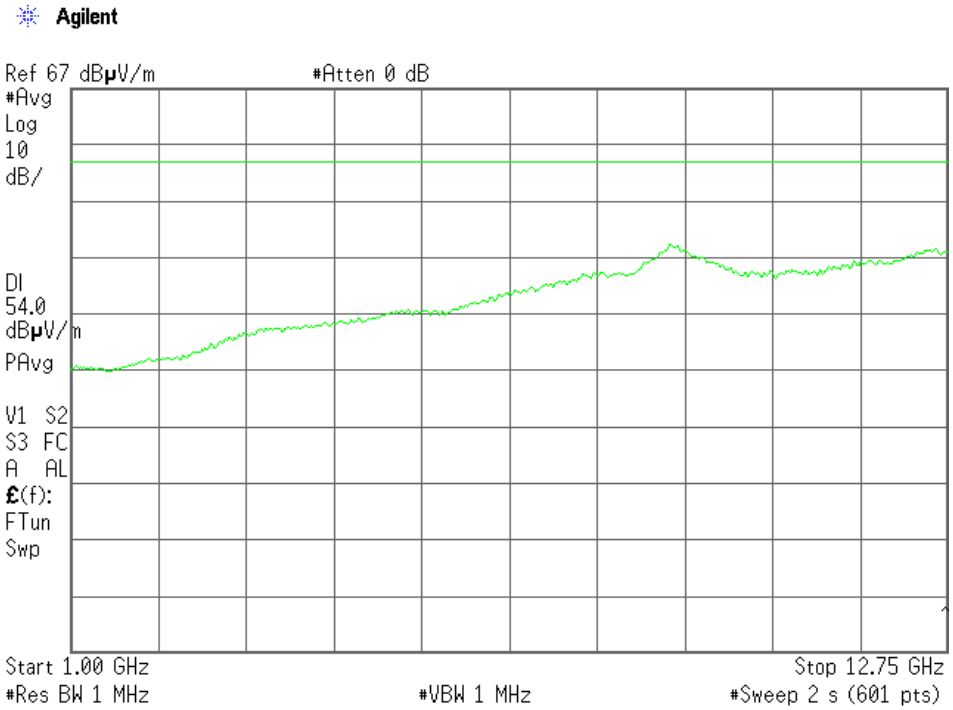
Verdict: PASS.

FREQUENCY RANGE 30 MHz-1000 MHz.



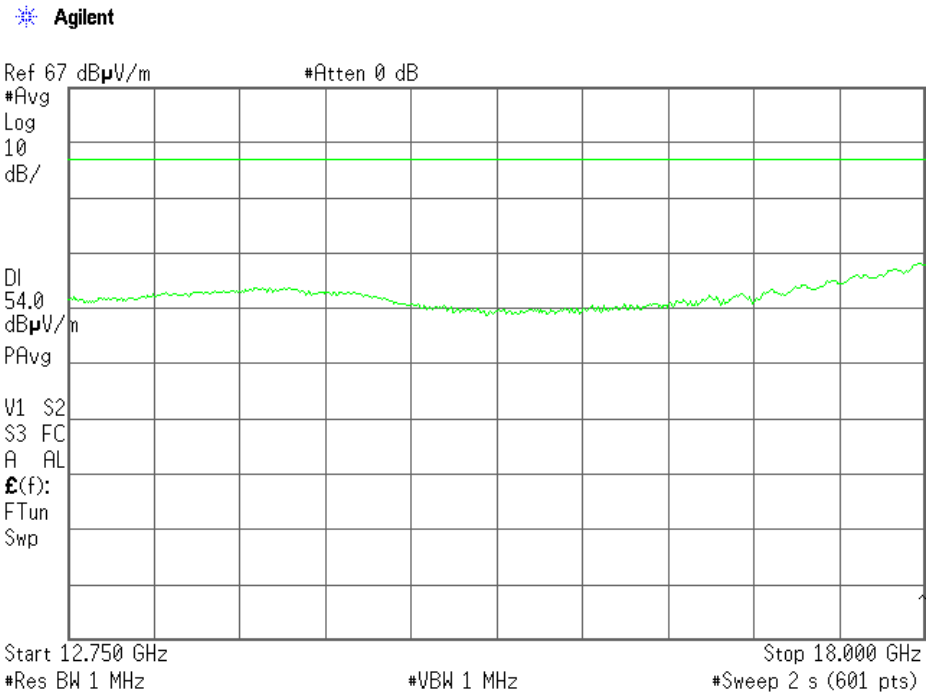
(This plot is valid for all three channels).

FREQUENCY RANGE 1 GHz-12.75 GHz.



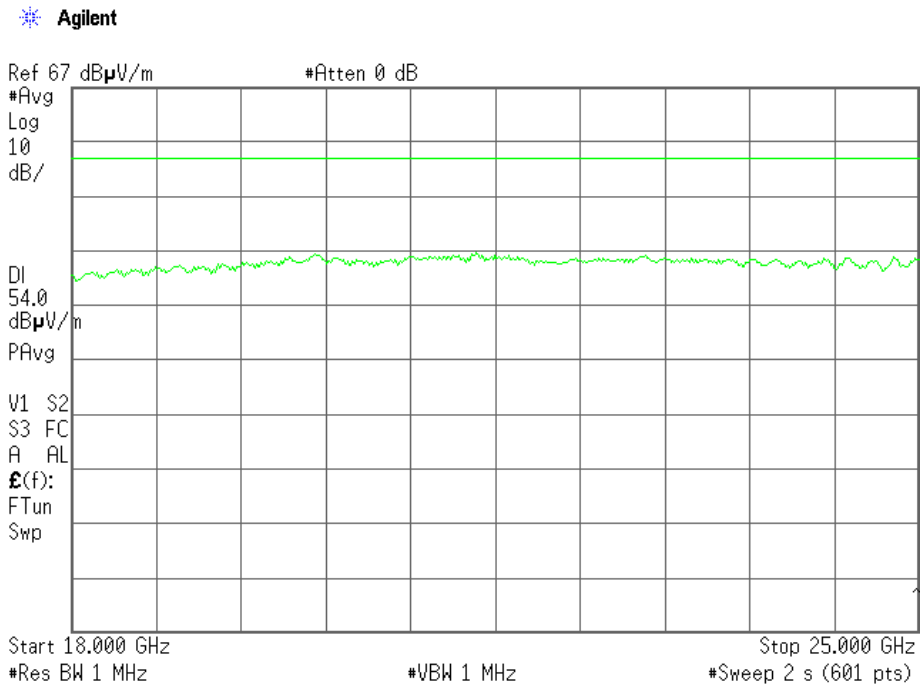
(This plot is valid for all three channels).

FREQUENCY RANGE 12.75 GHz-18 GHz.



(This plot is valid for all three channels).

FREQUENCY RANGE 18 GHz-25 GHz.



(This plot is valid for all three channels).

ANNEX B

MEASURING RESULTS FOR

ELECTROMAGNETIC EMISSION

Report No: 25810RET.101

For the sample under test, named S/01, and that was formed by the elements described in the clause “Identification of the tested item/items” of this test report.

INDEX:

1. - CONTINUOUS CONDUCTED EMISSION, POWER LEADS ON THE SAMPLE S/01 3

2. - GRAPH RESULTS 3

* * *

1. - CONTINUOUS CONDUCTED EMISSION, POWER LEADS ON THE SAMPLE S/01

LIMITS OF INTERFERENCE

The applied limit for continuous conducted emissions in power leads, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart C in the frequency range 0,15 to 30 MHz, for Class B equipment was:

Frequency range (MHz)	Limit (dBµV)	
	Quasi-peak	Average
0,15 to 0,5	66-56	56-46
0,5 to 5	56	46
5 to 30	60	50

TEST METHOD

According to Part 15, Subpart B of FCC Rules.

OPERATING MODES OF EUT

Different tested operating modes (OM)

- OM#05: EUT ON. Bluetooth linked with an auxiliary device, communication established. Charging batteries.

TEST RESULTS

CCmmnnxx: CC, Conduction condition; mm: sample number; nn: operation mode; xx: wire.

- OM#05.

CDmmnnxx	Description	Result
CC01050N	Interference voltage on Neutral wire	PASS
CC0105L1	Interference voltage on phase wire	PASS

2. - GRAPH RESULTS

See next pages.

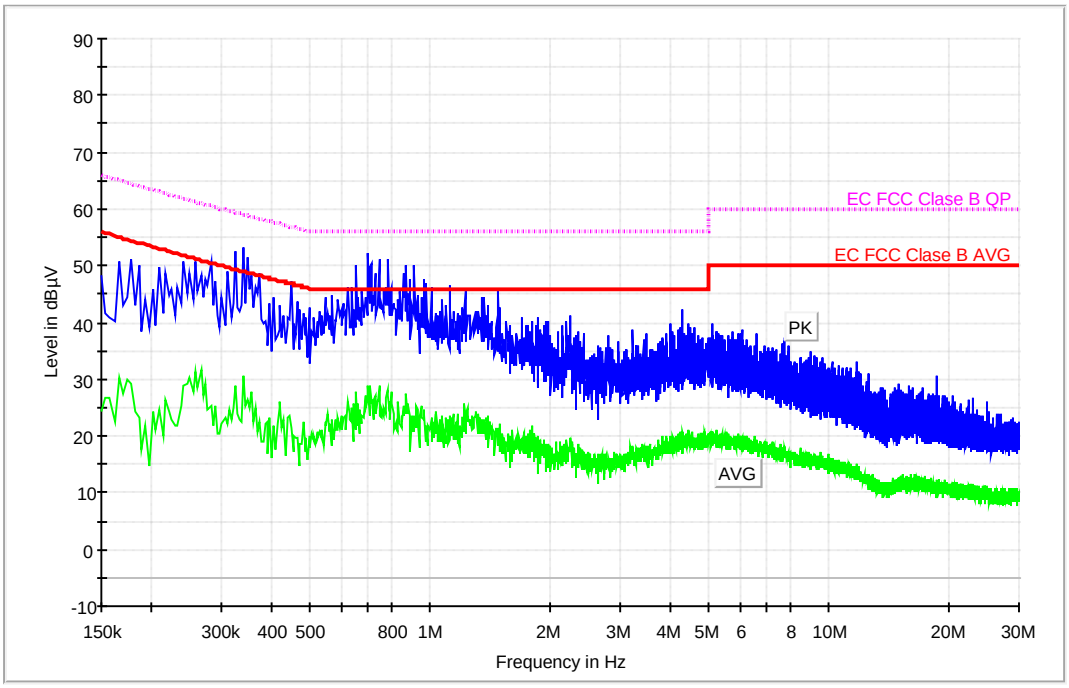
Continuous conducted emission: CC01050N (Peak and Average)

EMC32 Report

Test Information

Proyecto:	28210Biem.003
Empresa:	NEONODE
Muestra:	M/01
Modo operacion:	MO#05
Fecha:	2007-07-02 20:35
Setup:	EMI conducted
Mode:	EBP ON. Modo comunicación Bluetooth con otro dispositivo y cargando baterías. Ruido en neutro.

EC FCC Clase B ESIB26 CC



Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)	Comment
0.166000	50.6	30.1	
0.178000	51.0	29.3	
0.186000	50.1	23.2	
0.242000	50.6	28.8	
0.258000	50.6	31.4	
0.282000	50.6	25.4	
0.326000	52.7	28.7	
0.342000	53.4	30.7	
0.350000	51.4	26.3	
0.654000	50.2	27.7	
0.702000	52.2	28.8	
0.714000	50.5	25.8	
0.746000	51.0	28.8	
0.786000	51.0	27.0	

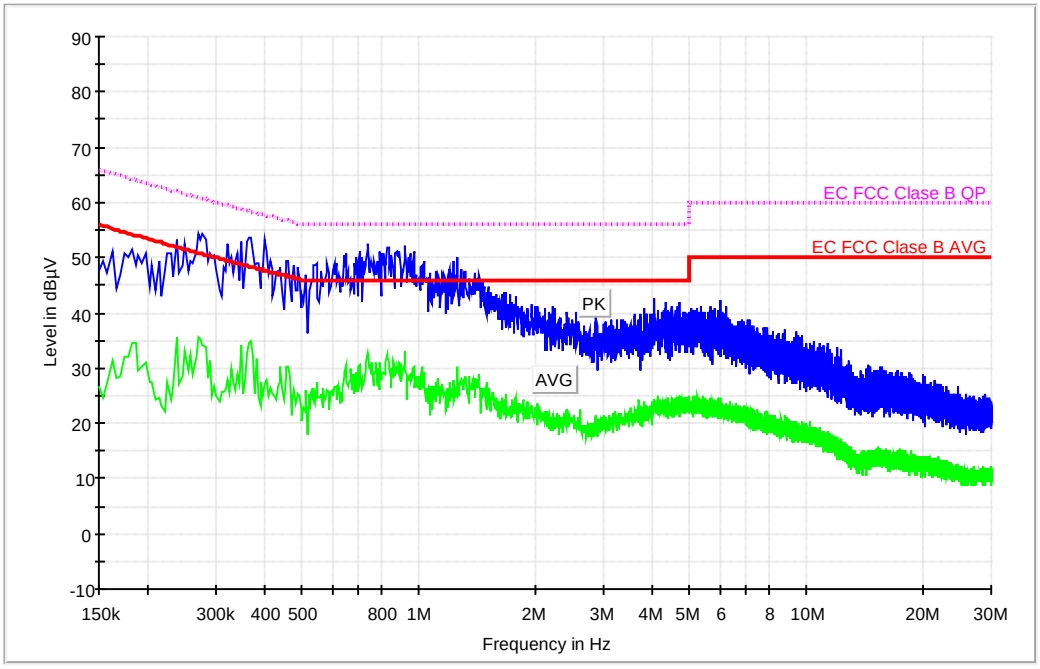
Continuous conducted emission: CC0105L1 (Peak and Average)

EMC32 Report

Test Information

Proyecto:	28210Biem.003
Empresa:	NEONODE
Muestra:	M/01
Modo operacion:	MO#05
Fecha:	2007-07-02 20:35
Setup:	EMI conducted
Mode:	EBP ON. Modo comunicación Bluetooth con otro dispositivo y cargando baterías. Rudio en fase.

EC FCC Clase B ESIB26 CC



Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)	Comment
0.238000	53.2	35.8	
0.250000	52.5	33.0	
0.270000	54.3	35.5	
0.274000	53.1	35.3	
0.278000	54.3	34.1	
0.282000	53.2	34.0	
0.322000	52.5	27.8	
0.350000	52.9	34.2	
0.362000	52.9	32.7	
0.366000	53.6	34.5	
0.370000	53.7	35.0	
0.402000	53.4	27.2	
0.742000	52.5	32.6	
0.922000	52.1	33.1	

ANNEX C

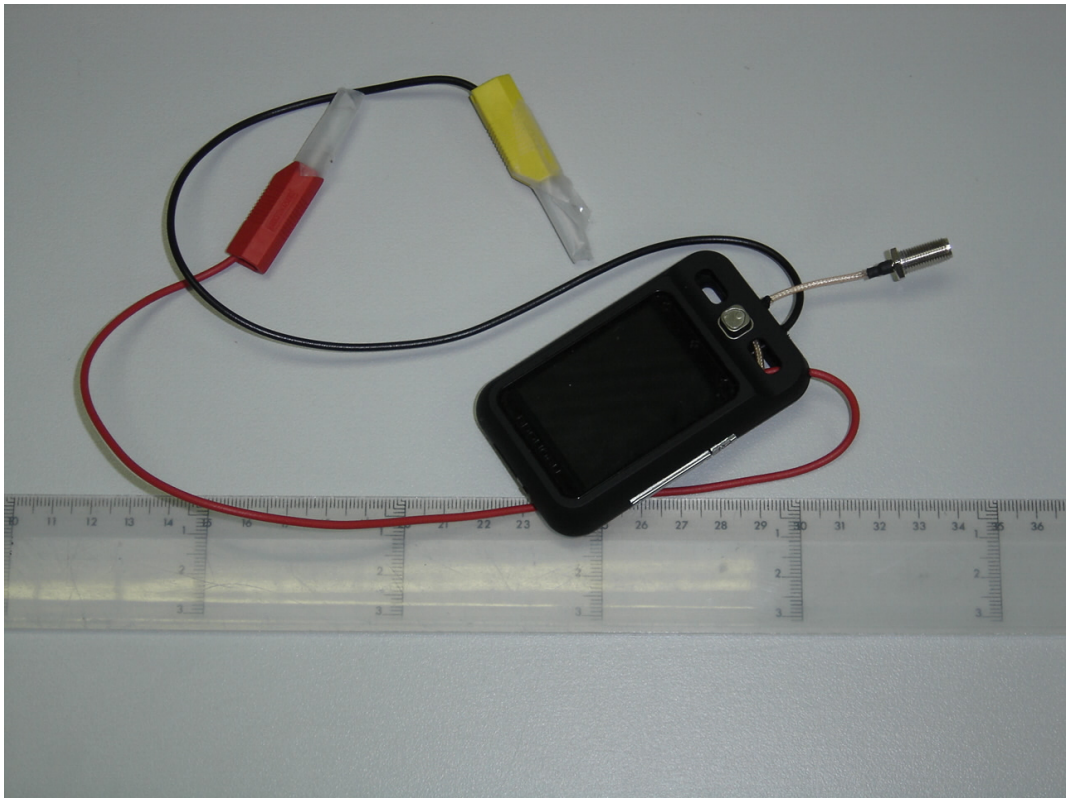
PHOTOGRAPHS
(Number of photographs: 7)

Report No.: 25810RET.101

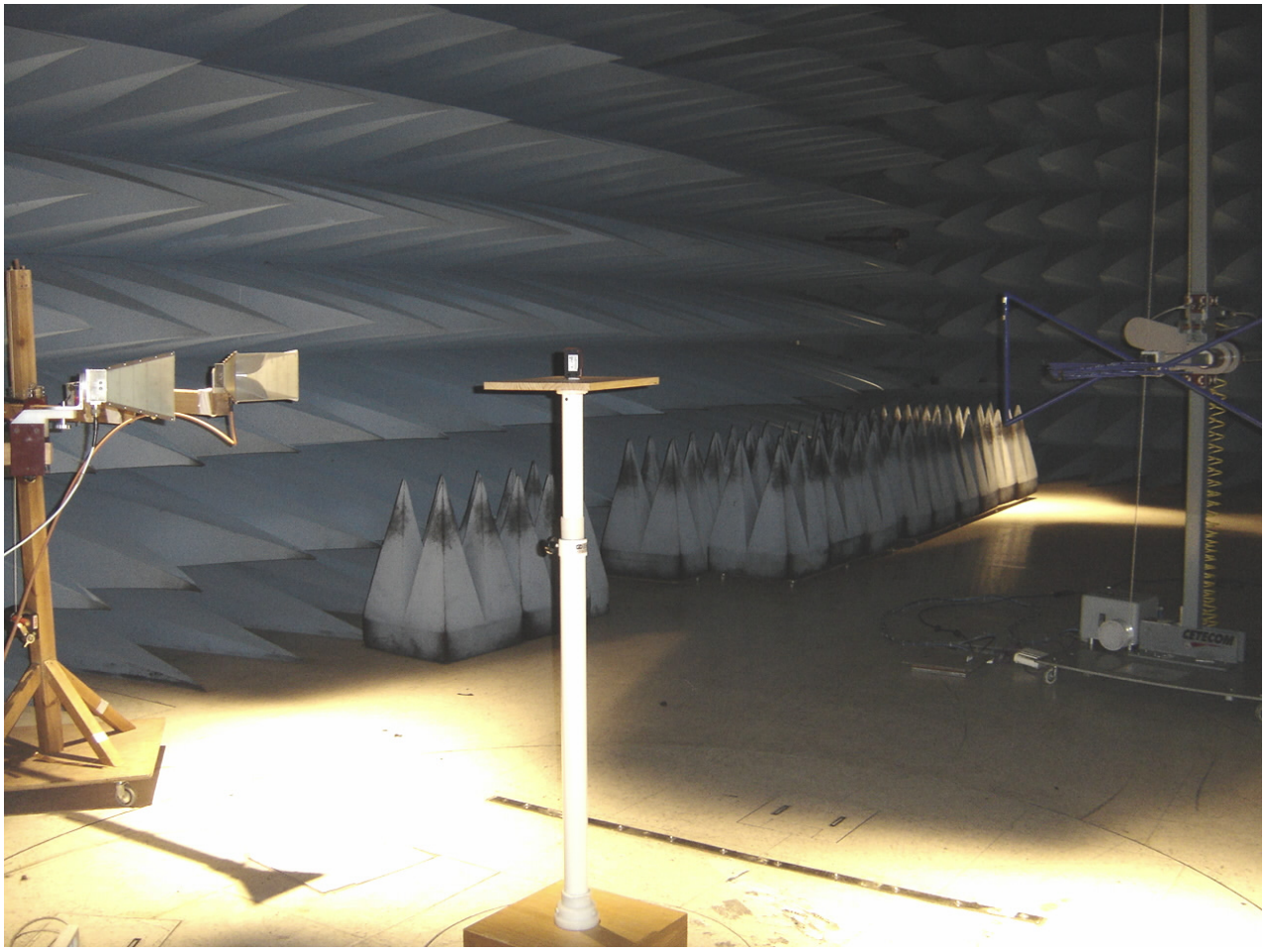
1. Equipment (front view)

2. Equipment (back view).

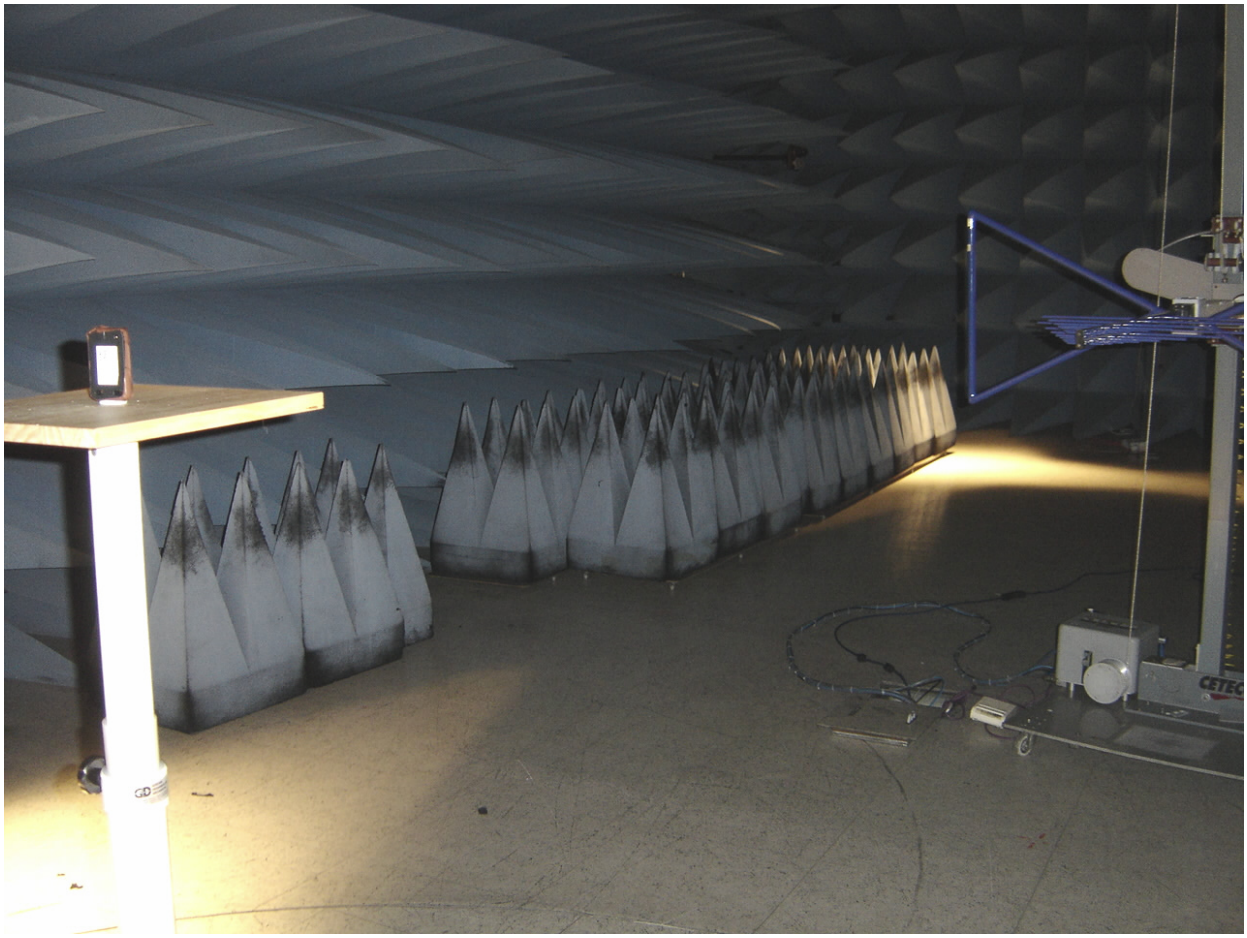
3. Equipment for conducted measurements



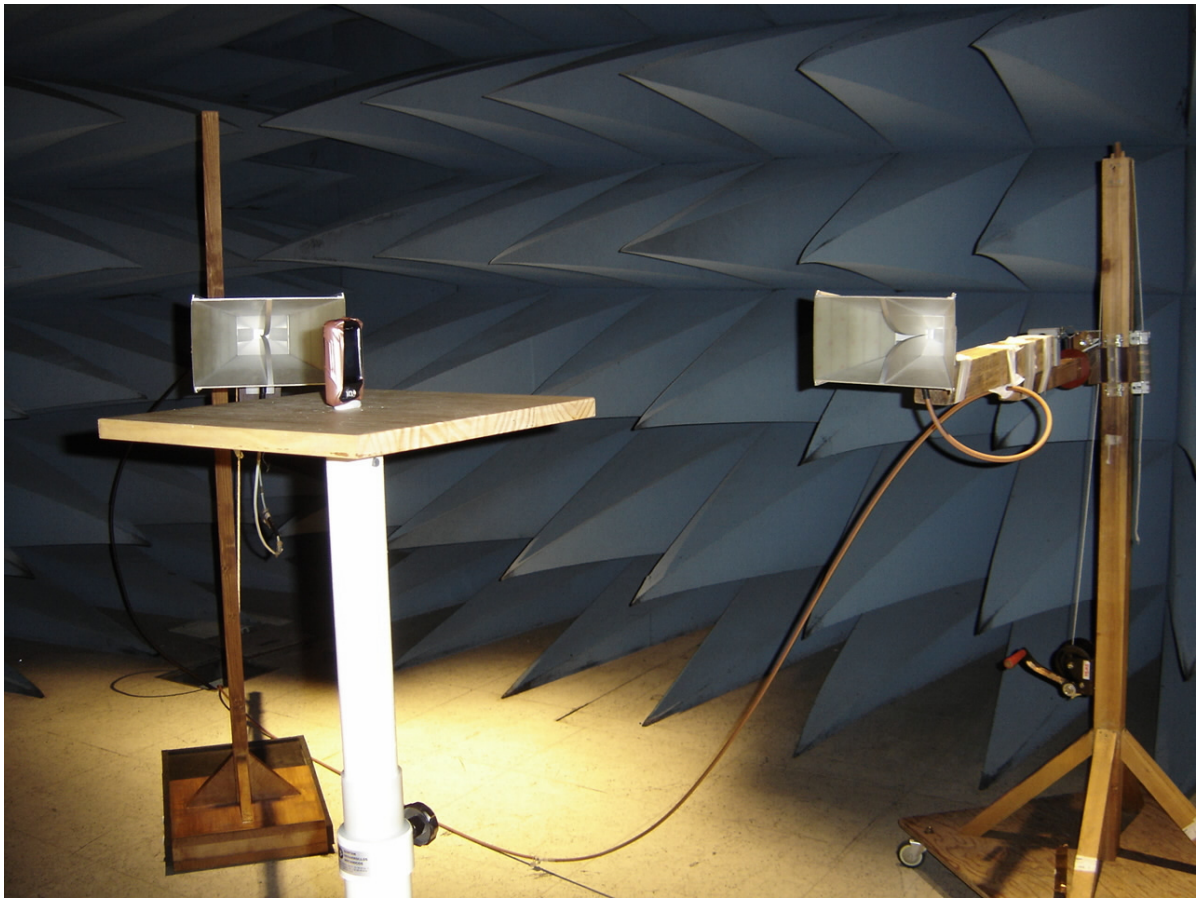
4. General test set-up for radiated measurements.



5. Test set-up for radiated measurements below 1 GHz.



6. Test set-up for radiated measurements above 1 GHz.



7. Test set-up for conducted measurements.