





SK TECH CO., LTD.
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TEST REPORT

Test Report No.:	SKTRFC-120905-018		
Applicant:	Nokia Corporation		
Applicant Address:	Joensuunkatu 7E P.O. Box 86 Salo FIN-24100 Finland		
Manufacturer:	Nokia Corporation		
Manufacturer Address:	Joensuunkatu 7E P.O. Box 86 Salo FIN-24100 Finland		
Device Under Test:	Nokia wireless charging plate DT-900		
FCC ID:	PYADT-900	Model Name:	DT-900
Variant Model Name:	-		
Brand/Trade Name:	-		
Receipt No.:	SKTEU12-1091	Date of receipt:	August 17, 2012
Date of Issue:	September 5, 2012		
Location of Testing:	SK TECH CO., LTD. #820-2, Wolmoon-ri, Wabu-up, Namyangju-si, Kyunggi-do, 472-905 South Korea		
Test Procedure:	ANSI C63.4-2003		
Test Specification:	47CFR, FCC Part 15 Rules		
FCC Equipment Class:	DCD - Part 15 Low Power Transmitter Below 1705kHz RSS-210 Issue 8: Category I Equipment		
Test Result:	The above-mentioned device has been tested and passed.		
Tested & Reported by: Jungtae Kim		Approved by: Jongsoo Yoon	
 _____ Signature		 _____ Signature	
September 5, 2012		September 5, 2012	
Date		Date	
Other Aspects:	-		
Abbreviations:	· OK, Pass = passed · Fail = failed · N/A = not applicable		
 <ul style="list-style-type: none"> ➤ This test report is not permitted to copy partly and entirely without our permission. ➤ This test result is dependent on only equipment to be used. ➤ This test result is based on a single evaluation of submitted samples of the above mentioned. 			



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1. GENERAL

These tests were performed using the test procedure outlined in ANSI C63.4-2003 for intentional radiators, and in accordance with the limits set forth in FCC Part 15.209 and RSS-210.

The EUT (Equipment Under Test) has been shown to be capable of compliance with the applicable technical standards.

We attest to the accuracy of data. All measurements reported herein were performed by SK TECH CO., LTD. and were made under Chief Engineer's supervision.

We assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

2. TEST SITE

SK TECH Co., Ltd.

2.1 Location

#820-2, Wolmoon-ri, Wabu-up, Namyangju-si, Kyunggi-do, 472-905 South Korea

(FCC Registered Test Site Number: 938639)

(OPEN AREA TEST SITE INDUSTRY CANADA NUMBER: IC 5429A-1)

This laboratory is also notified to FCC by RRA as a Conformity Assessment Body, and designated to perform compliance testing on equipment subject to Declaration of Conformity (DOC) and Certification under Parts 15 and 18 of the FCC Rules. Designation number: KR0007



2.2 List of Test and Measurement Instruments

No.	Description	Manufacturer	Model No.	Serial No.	Calibrated until	Used
1	Spectrum Analyzer	Agilent	E4405B	US40520856	2013.03	
2	Spectrum Analyzer	Agilent	E4440A	MY46186322	2013.03	☑
3	EMC Spectrum Analyzer	Agilent	E7405A	US40240203	2013.03	
4	EMI Test Receiver	Rohde&Schwarz	ESPI7	101206	2013.07	☑
5	EMI Test Receiver	Rohde&Schwarz	ESHS10	862970/019	2013.07	☑
6	Artificial Mains Network	Rohde&Schwarz	ESH2-Z5	834549/011	2013.07	☑
7	Pre-amplifier	HP	8447F	3113A05153	2013.07	☑
8	Pre-amplifier	MITEQ	AFS44	1116321	2012.12	
9	Pre-amplifier	MITEQ	AFS44	1116322	2013.07	
10	Power Meter	Agilent	E4417A	MY45100426	2013.07	
11	Power Meter	Agilent	E4418B	US39402176	2013.07	
12	Power Sensor	Agilent	E9327A	MY44420696	2013.07	
13	Power Sensor	Agilent	8482A	MY41094094	2013.07	
14	Attenuator (10dB)	HP	8491B	38067	2013.07	
15	High Pass Filter	Wainwright	WHKX3.0/18G	8	2013.07	
16	VHF Precision Dipole Antenna (TX/RX)	Schwarzbeck	VHAP	1014 / 1015	2012.11	
17	UHF Precision Dipole Antenna (TX/RX)	Schwarzbeck	UHAP	989 / 990	2012.11	
18	Loop Antenna	Schwarzbeck	HFH2-Z2	863048/019	2013.01	☑
19	TRILOG Broadband Antenna	Schwarzbeck	VULB9168	189	2013.05	☑
20	Horn Antenna	AH Systems	SAS-200/571	304	N/A	
21	Horn Antenna	EMCO	3115	00040723	2013.04	
22	Horn Antenna	EMCO	3115	00056768	2012.09	
23	Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170318	2013.09	
24	Vector Signal Generator	Agilent	E4438C	MY42080359	2013.07	
25	PSG analog signal generator	Agilent	E8257D-520	MY45141255	2013.07	
26	DC Power Supply	HP	6622A	3348A03223	2013.07	
27	DC Power Supply	HP	6633A	3325A04972	2013.07	
28	Hygro/Thermo Graph	SATO	PC-5000TRH-II	-	2013.07	☑
29	Temperature/Humidity Chamber	All Three	ATM-50M	20030425	2013.03	
30	Temperature/Humidity Chamber	DAEJIN	DJ-THC02	06071	2013.03	

2.3 Test Date

Date of Test: August 21, 2012 ~ August 23, 2012

2.4 Test Environment

See each test item's description.



3. DESCRIPTION OF THE EQUIPMENT UNDER TEST

The product specification described herein was obtained from the product data sheet or user's manual.

3.1 Rating and Physical Characteristics

Power source	DC 12 V / 0.75 A(from AC Power adapter)
Local Oscillator or X-Tal	32.768 kHz, 16 MHz
Transmit Frequency	112 kHz ~ 205 kHz
Antenna Type	Integral loop antenna
Type of Modulation	-
RF Output power	73.81 dB μ V/m(PEAK) (measured @ 3m)
External Ports	DC INPUT

3.2 Equipment Modifications

None

3.3 Submitted Documents

Block diagram

Schematic diagram

Part List

User manual



4. MEASUREMENT CONDITIONS

4.1 Description of test configuration

The measurements were taken in normal operating/charging mode; continuously transmitting mode. The operating frequency was adjusted by placing the Receiver unit (wireless charging battery cover) on the Transmitter, according to the coil coupling efficiencies of both the charging and receiving loops in the Transmitter unit and Receiver unit.

4.2 List of Peripherals

Equipment Type	Manufacturer	Model	S/N
Receiver unit	Nokia Corporation	-	-
Mobile phone	Nokia Corporation	N8	-
-	-	-	-

4.3 Type of Used Cables

#	START		END		CABLE	
	NAME	I/O PORT	NAME	I/O PORT	LENGTH(m)	SHIELDED
1	EUT	DC Input	AC Adapter	DC Output	1.75	-
2	AC Adapter	AC Input	AC mains	-	-	-

4.4 Uncertainty

Measurement Item	Combined Standard Uncertainty U_c	Expanded Uncertainty $U = k \times U_c (k = 2)$
Radiated disturbance	± 2.30 dB	± 4.60 dB
Conducted disturbance	± 1.96 dB	± 3.92 dB



5. TEST AND MEASUREMENTS

Summary of Test Results

Requirement	FCC, 47CFR15	RSS Standards	Report Section	Test Result
Antenna Requirement	15.203	RSS-Gen, 7.1.2	5.1	PASS
Radiated Spurious Emissions	15.209	RSS-Gen, 7.2.5	5.2	PASS
Occupied Bandwidth	N/A	RSS-Gen, 4.6.1	5.3	PASS
AC Power Line Conducted Emissions	15.207	RSS-Gen, 7.2.4	5.4	PASS

5.1 ANTENNA REQUIREMENT

5.1.1 Regulation / IC RSS-Gen 7.1.2

FCC section 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of Part 15C. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31 (d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

5.1.2 Result:

PASS

The EUT has an integral loop coil antenna, and meets the requirements of this section.



5.2 RADIATED EMISSIONS

5.2.1 Regulation

FCC 47CFR15 – 15.209 / RSS-Gen Section 7.2.5, Table 6

(a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength limit ($\mu\text{V/m}$)	Field strength limit ($\text{dB}\mu\text{V/m}$)	Measurement Distance (m)
0.009 – 0.490	2400/F (kHz) = 266.7 – 4.9	48.5 – 13.8	300
0.490 – 1.705	24000/F (kHz) = 49.0 – 14.1	33.8 – 23.0	30
1.705 – 30.0	30	29.5	30
30 – 88	100	40.0	3
88 – 216	150	43.5	3
216 – 960	200	46.0	3
Above 960	500	54.0	3

* The emission limits shown in the above table are based on measurement instrumentation employing a CISPR quasi-peak detector. For the frequency bands 9 – 90 kHz, 110 – 490 kHz and above 1000 MHz, the radiated emission limits are based on measurements employing an average detector.

* The lower limit shall apply at the transition frequencies.

5.2.2 Measurement Procedure

Radiated Emissions Test, 9 kHz to 30 MHz (Magnetic Field Test)

1. The preliminary radiated measurements were performed to determine the frequency producing the maximum emissions at a distance of 1 meter or 3 meters according to Section 15.31(f)(2).
2. The EUT was placed on the top of the 0.8-meter height, 1×1.5 meter non-metallic table.
3. Emissions from the EUT are maximized by adjusting the orientation of the Loop antenna and rotating the EUT on the turntable. Manipulating the system cables also maximizes EUT emissions if applicable.
4. To obtain the final measurement data, each frequency found during preliminary measurements was re-examined and investigated. The test-receiver system was set up to average, peak, and quasi-peak detector function with specified bandwidth.

Radiated Emissions Test, above 30 MHz

1. The preliminary radiated measurements were performed to determine the frequency producing the maximum emissions in an anechoic chamber at a distance of 3 meters.
2. The EUT was placed on the top of the 0.8-meter height, 1×1.5 meter non-metallic table. To find the maximum emission levels, the height of a measuring antenna was changed and the turntable was rotated 360° .
3. The antenna polarization was also changed from vertical to horizontal. The spectrum was scanned from 30 to 1000 MHz using the TRILOG broadband antenna.
4. To obtain the final measurement data, the EUT was arranged on a turntable situated on a 4×4 meter at the Open Area Test Site. The EUT was tested at a distance 3 meters.



5. Each frequency found during preliminary measurements was re-examined and investigated. The test-receiver system was set up to average, peak, and quasi-peak detector function with specified bandwidth.
6. The EUT is situated in three orthogonal planes (if appropriate)
7. The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT.

5.2.3 Calculation of the field strength limits below 30 MHz

1. No special calculation for obtaining the field strength in dB μ V/m is necessary, because the EMI receiver and the active loop antenna operate as a system, where the reading gives directly the field strength result (dB μ V/m). The antenna factors and cable losses are already taken into consideration.
2. For test distance other than what is specified, but fulfilling the requirements of section 15.31 (f) (2) the field strength is calculated by adding additionally an extrapolation factor of 40dB/decade (inverse linear distance for field strength measurements).
3. All following emission measurements were performed using the test receiver's average, peak, and quasi-peak detector function with specified bandwidth.
4. The basic equation is as follows;

$$FS = RA + DF$$

Where

FS = Field strength in dB μ V/m

RA = Receiver Amplitude in dB μ V/m

DF = Distance Extrapolation Factor in dB

Where $DF = 40\log(D_{TEST} / D_{SPEC})$ where D_{TEST} = Test Distance and D_{SPEC} = Specified Distance

$DF = 40\log(3m/300m) = -80dB$, for frequency band: 0.009 to 0.490MHz

$DF = 40\log(3m/30m) = -40dB$, for frequency band: 0.490 to 30MHz



5.2.4 Test Results:

PASS

Table 1: Field strength below 30 MHz

Frequency [kHz]	RBW [kHz]	Reading [dB(μV/m)]	Cable Loss [dB]	Actual [dB(μV/m)]	Limit (at 3m) [dB(μV/m)]	Margin [dB]	
Emissions (Average Detector)							
132.22	0.2	69.81	0.3	70.11	105.2	35.09	Operating at 132.22 kHz
391.22	9	44.52	0.3	44.82	95.8	50.98	
162.80	9	58.07	0.3	58.37	103.4	45.03	Operating at 162.80 kHz
203.12	9	57.47	0.3	57.77	101.4	43.63	Operating at 203.12 kHz
Emissions (Peak Detector)							
132.22	0.2	73.51	0.3	73.81	125.2	51.39	Operating at 132.22 kHz
391.22	9	45.16	0.3	45.46	115.8	70.34	
162.80	9	59.65	0.3	59.95	123.4	63.45	Operating at 162.80 kHz
203.12	9	59.10	0.3	59.40	121.4	62.00	Operating at 203.12 kHz
Emissions (Quasi-peak Detector); Frequency within 90 kHz ~ 110 kHz and above 490 kHz							
656.5	9	44.13	0.3	43.83	71.3	27.47	Operating at 132.22 kHz
918.6	9	44.02	0.3	43.72	68.3	24.58	
822.6	9	45.26	0.3	44.96	69.3	24.34	Operating at 162.80 kHz

Actual (dBμV/m) = Reading + Cable Loss

Margin (dB) = Limit – Actual

NOTE: The tests were performed at the 3 m distance.



Table 2: Measured values of the Field strength (above 30 MHz)										
Frequency [MHz]	RBW [kHz]	POL [V/H]	ANT [m]	Reading [dBμV]	AMP [dB]	AF [dB/m]	CL [dB]	Actual [dBμV/m]	Limit [dBμV/m]	Margin [dB]
				No Spurious Radiated Emissions Found						

Margin (dB) = Limit – Actual
[Actual = Reading + AF + CL]
1. H = Horizontal, V = Vertical Polarization
2. AF/CL = Antenna Factor and Cable Loss

NOTE: 1. All emissions not reported were more than 20 dB below the specified limit or in the noise floor.
2. The tests were performed at the 3 m distance.



5.3 OCCUPIED BANDWIDTH

5.3.1 Regulation

[RSS-Gen, Issue 3 – 4.6.1]

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%.

The video bandwidth shall be set to 3 times the resolution bandwidth.

Video averaging is not permitted. Where practical, a sampling detector shall be used given that a peak or peak hold may produce a wider bandwidth than actual.

The trace data points are recovered and directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded.

The span between the two recorded frequencies is the occupied bandwidth.

5.3.2 Test Results:

PASS

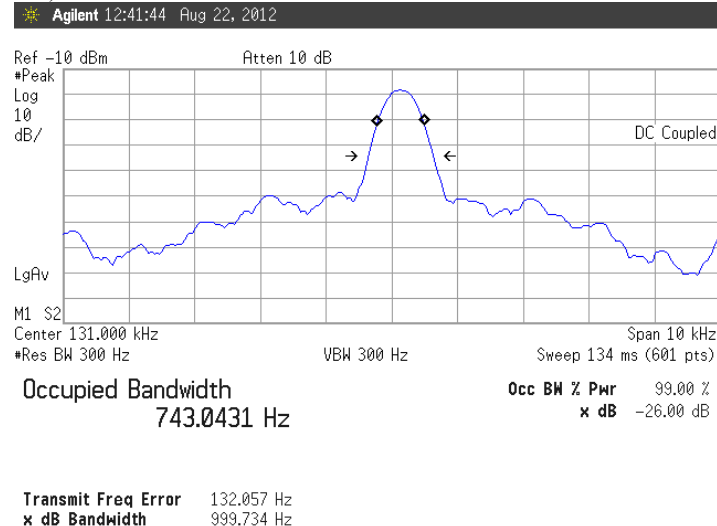
Operating frequency (kHz)	RBW (kHz)	99% BW (kHz)	Limit (kHz)
132.22	0.3	0.743	-
162.80	0.3	0.756	-
203.12	0.3	0.773	-


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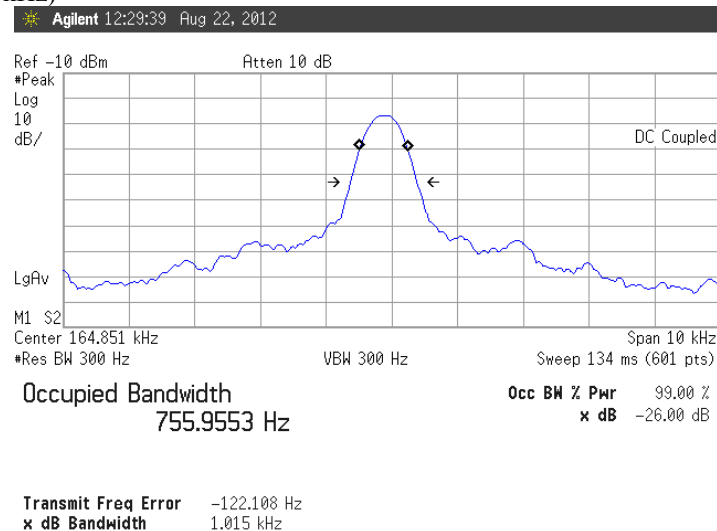
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Figure 1. Plot of the Maximum Peak Output Power (Conducted)

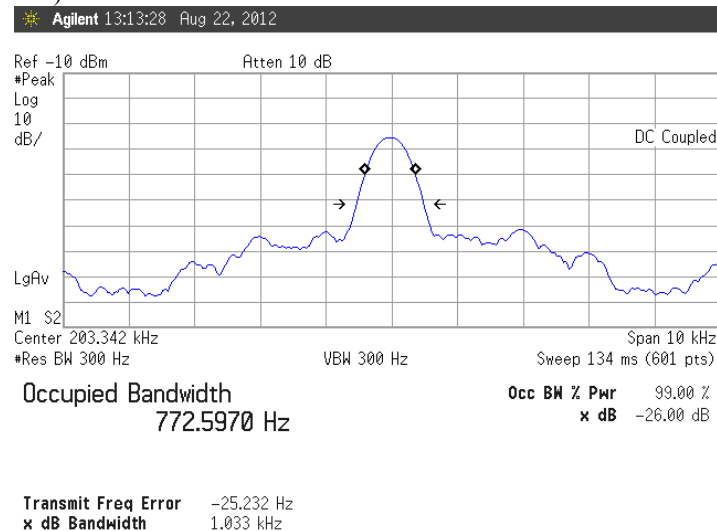
Lowest Channel (132.22 kHz)



Middle Channel (162.80 kHz)



Highest Channel (203.12 kHz)





5.4 AC POWER LINE CONDUCTED EMISSIONS

5.4.1 Regulation

FCC 47CFR15 – 15.207(a) / IC RSS-Gen, 7.2.4

According to §15.207(a), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56 *	56 to 46 *
0.5 – 5	56	46
5 – 30	60	50

* Decreases with the logarithm of the frequency.

5.4.2 Test Procedure

1. The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 cm in which is located 40 cm away from the vertical wall and 1.5m away from the side wall of the shielded room.
2. Each current-carrying conductor of the EUT power cord was individually connected through a 50Ω/50μH LISN, which is an input transducer to a Spectrum Analyzer or an EMI/Field Intensity Meter, to the input power source.
3. Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
4. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) was then performed over the frequency range of 0.15 MHz to 30 MHz.
5. The measurements were made with the detector set to PEAK amplitude within a bandwidth of 10 kHz or to QUASI-PEAK and AVERAGE within a bandwidth of 9 kHz. The EUT was in transmitting mode during the measurements.



5.4.3 Test Results:

PASS

Table 3: Measured values of the Conducted Emissions

Frequency [MHz]	Reading [dBμV]	L / N	CF [dB]	CL [dB]	Actual [dBμV]	Limit [dBμV]	Margin [dB]
QUASI-PEAK DATA(Operating at 132.22 kHz)							
0.495	44.90	L	0.22	0.04	45.16	56.08	10.92
0.575	48.98	L	0.22	0.04	49.24	56.00	6.76
0.580	44.44	N	0.22	0.04	44.70	56.00	11.30
0.660	48.98	L	0.23	0.04	49.25	56.00	6.75
0.740	47.12	L	0.22	0.04	47.38	56.00	8.62
0.825	48.20	L	0.19	0.05	48.44	56.00	7.56
0.825	44.66	N	0.23	0.05	44.94	56.00	11.06
1.650	43.48	L	0.26	0.08	43.82	56.00	12.18
1.815	43.46	L	0.26	0.08	43.80	56.00	12.20
1.895	43.90	L	0.27	0.09	44.26	56.00	11.74
2.970	40.98	L	0.31	0.14	41.43	56.00	14.57
AVERAGE DATA(Operating at 132.22 kHz)							
0.495	36.38	L	0.22	0.04	36.64	46.08	9.44
0.575	39.32	L	0.22	0.04	39.58	46.00	6.42
0.580	31.08	N	0.22	0.04	31.34	46.00	14.66
0.660	38.68	L	0.23	0.04	38.95	46.00	7.05
0.740	37.10	L	0.22	0.04	37.36	46.00	8.64
0.825	39.84	L	0.19	0.05	40.08	46.00	5.92
0.825	32.99	N	0.23	0.05	33.27	46.00	12.73
1.650	33.68	L	0.26	0.08	34.02	46.00	11.98
1.815	34.11	L	0.26	0.08	34.45	46.00	11.55
1.895	33.75	L	0.27	0.09	34.11	46.00	11.89
2.970	30.08	L	0.31	0.14	30.53	46.00	15.47

Margin (dB) = Limit – Actual

[Actual = Reading + CF + CL]

L/N = LINE / NEUTRAL

CF/CL = Correction Factor and Cable Loss

NOTE: All emissions not reported were more than 20 dB below the specified limit.

**Table 3: Measured values of the Conducted Emissions**

Frequency [MHz]	Reading [dBμV]	L / N	CF [dB]	CL [dB]	Actual [dBμV]	Limit [dBμV]	Margin [dB]
QUASI-PEAK DATA(Operating at 162.80 kHz)							
0.495	44.94	L	0.22	0.04	45.20	56.08	10.88
0.575	49.08	L	0.22	0.04	49.34	56.00	6.66
0.655	47.60	L	0.23	0.04	47.87	56.00	8.13
0.660	44.18	N	0.23	0.04	44.45	56.00	11.55
0.740	47.22	L	0.22	0.04	47.48	56.00	8.52
0.825	48.20	L	0.19	0.05	48.44	56.00	7.56
0.825	44.18	N	0.23	0.05	44.46	56.00	11.54
0.905	43.84	L	0.17	0.06	44.07	56.00	11.93
1.730	44.58	L	0.26	0.08	44.92	56.00	11.08
1.815	42.98	L	0.26	0.08	43.32	56.00	12.68
2.885	41.54	L	0.31	0.13	41.98	56.00	14.02
AVERAGE DATA(Operating at 162.80 kHz)							
0.495	36.43	L	0.22	0.04	36.69	46.08	9.39
0.575	39.40	L	0.22	0.04	39.66	46.00	6.34
0.655	37.39	L	0.23	0.04	37.66	46.00	8.34
0.660	30.93	N	0.23	0.04	31.20	46.00	14.80
0.740	37.15	L	0.22	0.04	37.41	46.00	8.59
0.825	39.92	L	0.19	0.05	40.16	46.00	5.84
0.825	32.91	N	0.23	0.05	33.19	46.00	12.81
0.905	33.97	L	0.17	0.06	34.20	46.00	11.80
1.730	34.78	L	0.26	0.08	35.12	46.00	10.88
1.815	34.18	L	0.26	0.08	34.52	46.00	11.48
2.885	30.98	L	0.31	0.13	31.42	46.00	14.58

Margin (dB) = Limit – Actual

[Actual = Reading + CF + CL]

L/N = LINE / NEUTRAL

CF/CL = Correction Factor and Cable Loss

NOTE: All emissions not reported were more than 20 dB below the specified limit.

**Table 3: Measured values of the Conducted Emissions**

Frequency [MHz]	Reading [dBμV]	L / N	CF [dB]	CL [dB]	Actual [dBμV]	Limit [dBμV]	Margin [dB]
QUASI-PEAK DATA(Operating at 203.12 kHz)							
0.495	44.84	L	0.22	0.04	45.10	56.08	10.98
0.575	49.06	L	0.22	0.04	49.32	56.00	6.68
0.575	45.10	N	0.22	0.04	45.36	56.00	10.64
0.660	49.00	L	0.23	0.04	49.27	56.00	6.73
0.740	47.20	L	0.22	0.04	47.46	56.00	8.54
0.825	47.62	L	0.19	0.05	47.86	56.00	8.14
1.650	42.64	L	0.26	0.08	42.98	56.00	13.02
1.730	44.48	L	0.26	0.08	44.82	56.00	11.18
1.810	41.30	N	0.27	0.08	41.65	56.00	14.35
2.965	42.40	L	0.31	0.14	42.85	56.00	13.15
AVERAGE DATA(Operating at 203.12 kHz)							
0.495	36.27	L	0.22	0.04	36.53	46.08	9.55
0.575	39.32	L	0.22	0.04	39.58	46.00	6.42
0.575	31.75	N	0.22	0.04	32.01	46.00	13.99
0.660	38.68	L	0.23	0.04	38.95	46.00	7.05
0.740	37.15	L	0.22	0.04	37.41	46.00	8.59
0.825	39.24	L	0.19	0.05	39.48	46.00	6.52
1.650	32.91	L	0.26	0.08	33.25	46.00	12.75
1.730	34.45	L	0.26	0.08	34.79	46.00	11.21
1.810	27.10	N	0.27	0.08	27.45	46.00	18.55
2.965	31.93	L	0.31	0.14	32.38	46.00	13.62

Margin (dB) = Limit – Actual

[Actual = Reading + CF + CL]

L/N = LINE / NEUTRAL

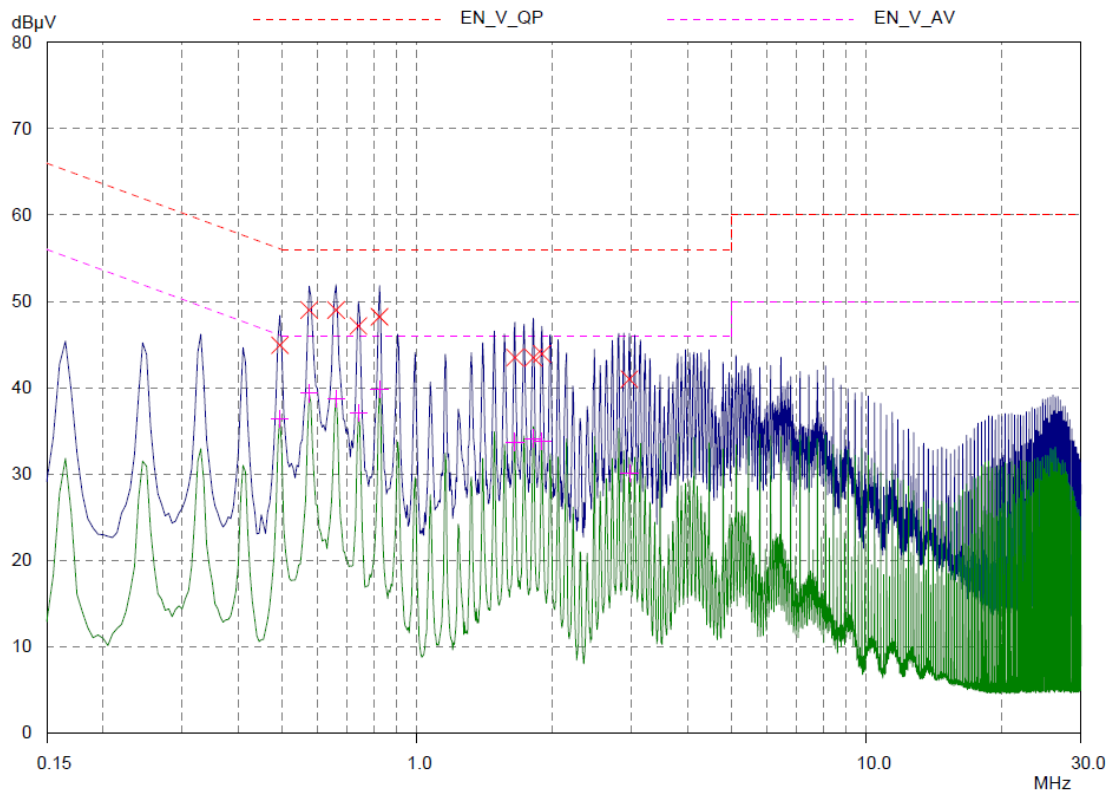
CF/CL = Correction Factor and Cable Loss

NOTE: All emissions not reported were more than 20 dB below the specified limit.

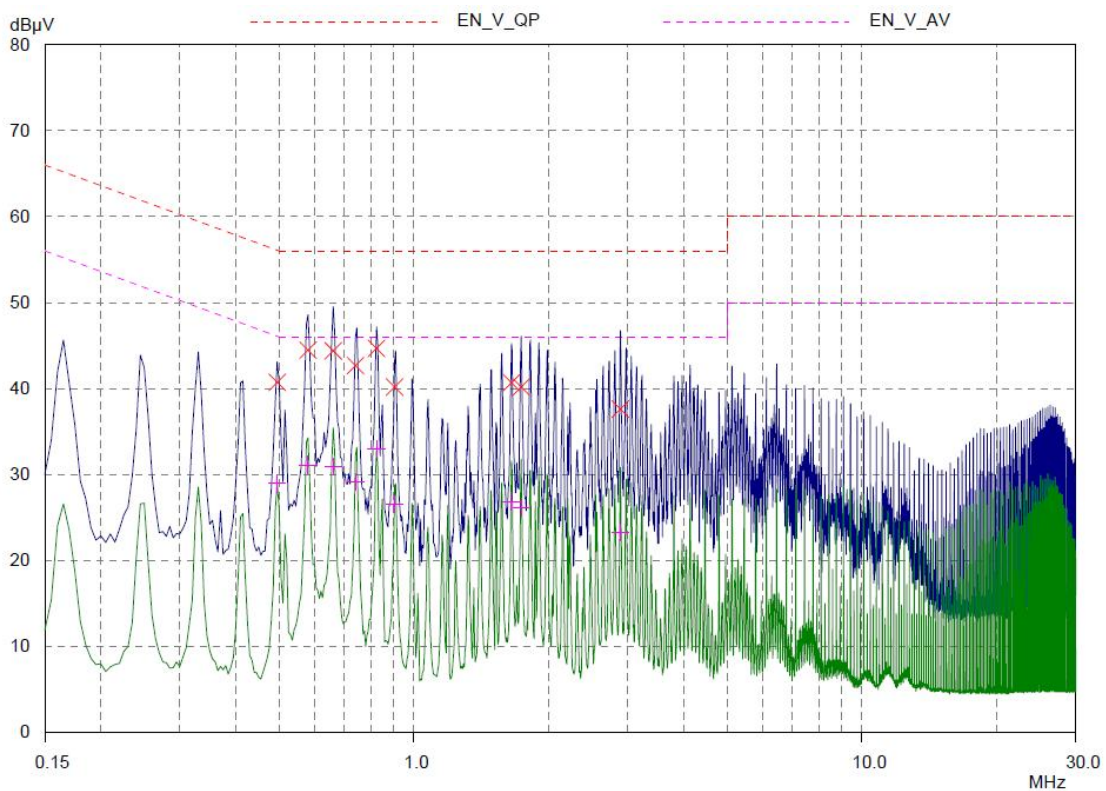


Figure 2. Plot of the Conducted Emissions

Line – PE (Peak and Average detector used)(Operating at 132.22 kHz)

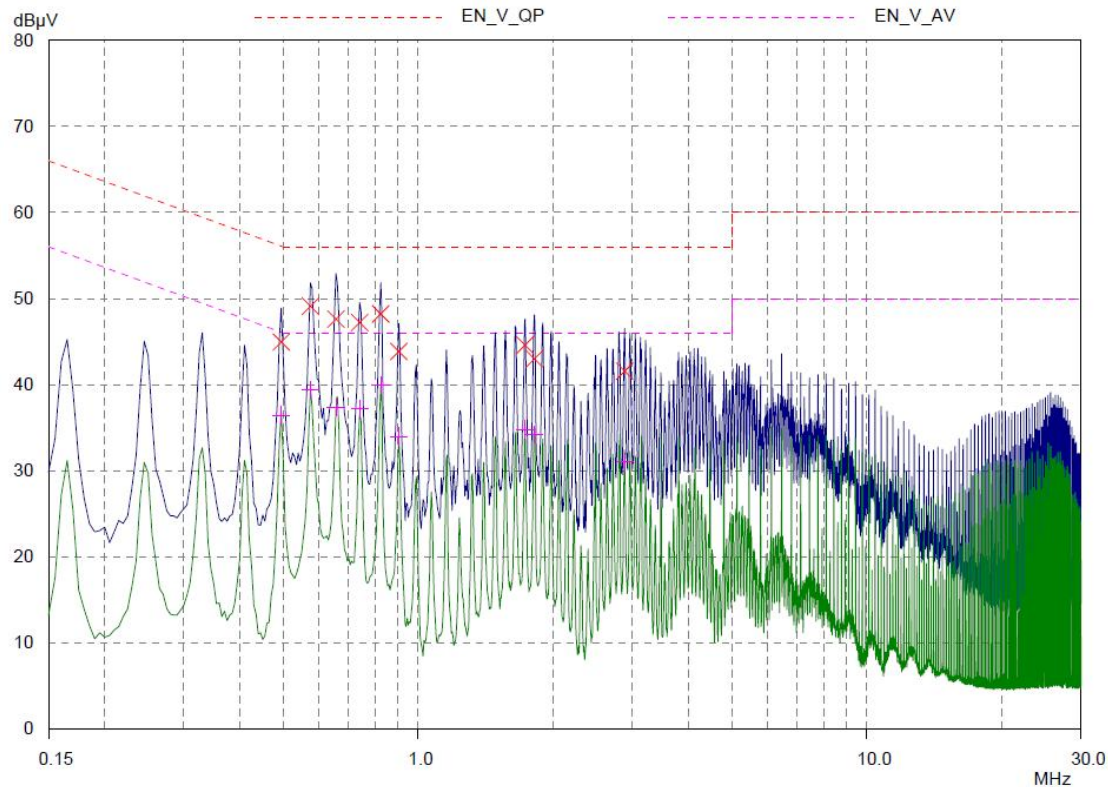


Neutral – PE (Peak and Average detector used)(Operating at 132.22 kHz)

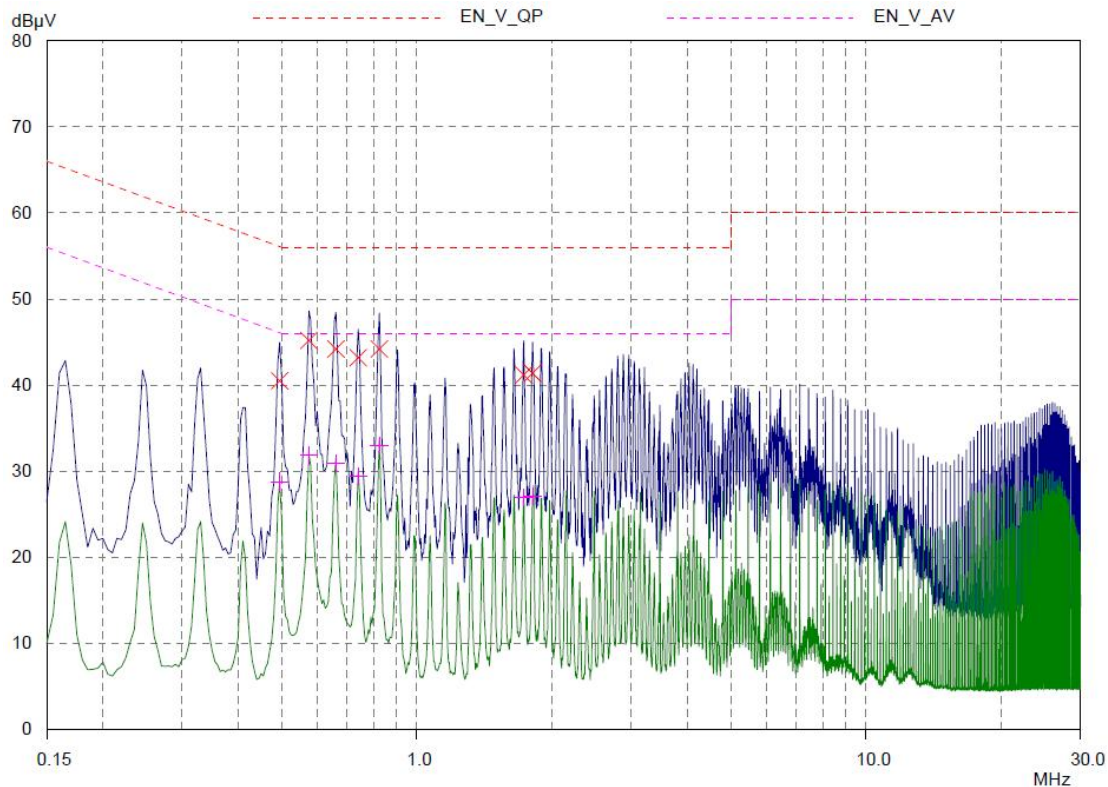




Line – PE (Peak and Average detector used)(Operating at 162.80 kHz)

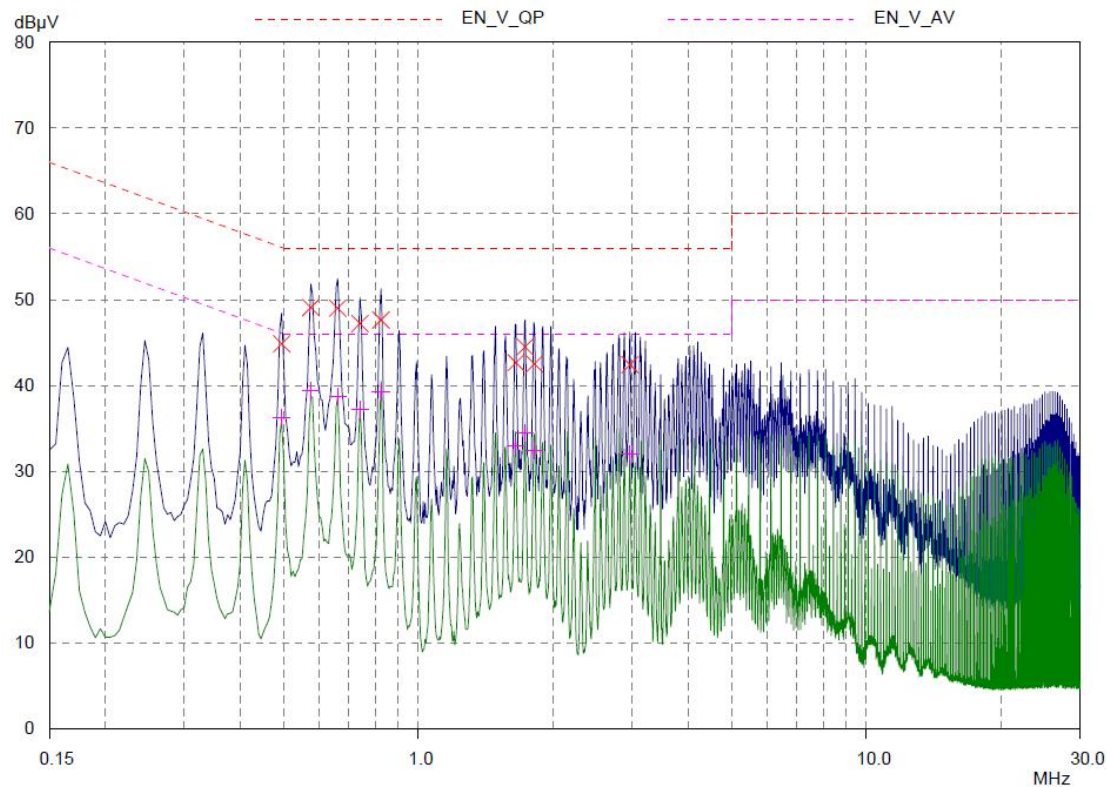


Neutral – PE (Peak and Average detector used)(Operating at 162.80 kHz)





Line – PE (Peak and Average detector used)(Operating at 203.12 kHz)



Neutral – PE (Peak and Average detector used)(Operating at 203.12 kHz)

