



IMQ S.p.A. - Società con Socio Unico
Via Quintiliano, 43 I-20138 MILANO
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COVER LETTER

Request For Wireless Charging Transmitter Equipment Authorization

No. ARSO00118/1

performed in accordance with

FCC Rules: Code of Federal Regulations (CFR) no. 47
Part 15 Subpart C Section 15.207 and 15.209

PRODUCT	WIRELESS CHARGING TRANSMITTER
MODEL(s) TESTED	Qi1001
FCC ID	2AD9NQI1001
TRADE MARK(s)	QINSIDE
APPLICANT	NITZ ENGINEERING S.r.l. – Via Alfred Ammon, 16 – 39042 Bressanone (BZ) - ITALY

Tested by	Emanuela Franchina	
Approved by	Roberto Colombo <i>[Laboratory manager]</i>	

Revision Sheet

Release No.	Date	Revision Description
Rev. 0	2015-01-09	First edition
Rev. 1	2015-02-17	Grantee Code modified



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1. REFERENCE DOCUMENT

DOCUMENT	DATE	TITLE
<input checked="" type="checkbox"/> 47 CFR Part 15	2014	Radio Frequency Device
<input checked="" type="checkbox"/> 680106 D01	2013	RF Exposure Wireless Charging Apps v02

3. REQUIREMENTS

POSSIBLE TEST CASE VERDICTS	
Test object does meet the requirement	PASS
Test object does not meet the requirement	FAIL
Test case does not apply to the test object	N.A.

KDB 680106 D01 Section 5.2

	Requirement	Description	Result
(a)	Power transfer frequency is less than 1 MHz	110-205kHz	PASS
(b)	Output power from each primary coil is less than 5 Watts	Primary coil (TX) Power = 5W	PASS
(c)	The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils	The wireless charger includes only a single primary coil which two induction coils in parallel connected.	PASS
(d)	Client device is inserted in or placed directly in contact with the transmitter	Client device is placed directly in contact to the top of the wireless charger for the charging.	PASS
(e)	The maximum coupling surface area of the transmit (charging) device is between 60 cm ² and 400 cm ² .	The maximum coupling surface is the whole surface of the top of the wireless charger pad. The total area = 44.5cm ² .	PASS
(f)	Aggregate leakage fields at 10 cm surrounding the device from all simultaneous transmitting coils are demonstrated to be less than 30% of the MPE limit.	The worst measured aggregate leakage field at 10 cm is 0.013 A/m and less than 30% of General public limit. Please refer to RF exposure report.	PASS



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