Annex 1: Diagramms to TEST REPORT No.: 2-20842790-15-11b

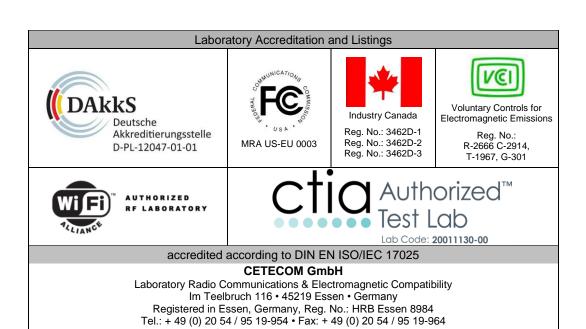
According to: FCC Regulations Part 18.305 Part 18.307

for

Datalogic ADC S.r.l.

JOYA TOUCH 3-SLOT CRADLE

FCC-ID: U4GJNG3SD IC: 3862E-JNG3SD PMN:JOYA TOUCH 3-SLOT CRADLE HVIN: 3SD WPT



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1. Radiated Field Strength Emissions Measurements

1.1. Radiated Field Strength with Transmitter Spectrum Mask

Diagram No. 2.07_ Field strength _WLC_130kHz

Common Information

Test descrition: Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance

Version of Testsoftware: EMC32 V9.25.0

Distance correction: used accord. table, pls. see test report

Technical Data: Please see page 2 for detailed data of measurement setup Rec. antenna (pre-scan): height 1.00 m, parallel and 90° to EUT polarisation

Used filter: bypass

Test specification: FCC 18.305 § 15.209; RSS-Gen: Issue 4

Operator: APh

Operating conditions: Wirless charging (WLC) mode 130 kHz _Full Power mode

Test Mode: Cradle with AC/DC Power Supply & Wireless charging terminals inserted in all

three slots

JOYA TOUCHTerminals: Slot 1: EUT Type :P00AN04HL0HT0W7-GR0 | S/N:Z16P00044

Slot 2:EUT Type :P00AN04HL0GT0W7-GRR | S/N:Z16P00014 Slot 3:EUT Type :P00AN04HL0GT0W7-GRR | S/N:Z16P00015

EUT Information

Manufacturer: Datalogic ADCL S.r.l.

MODEL: JOYA TOUCH 3-SLOT CRADLE

EuT Type:

 P/N:
 91ACC0043

 S/N:
 Z15P00992

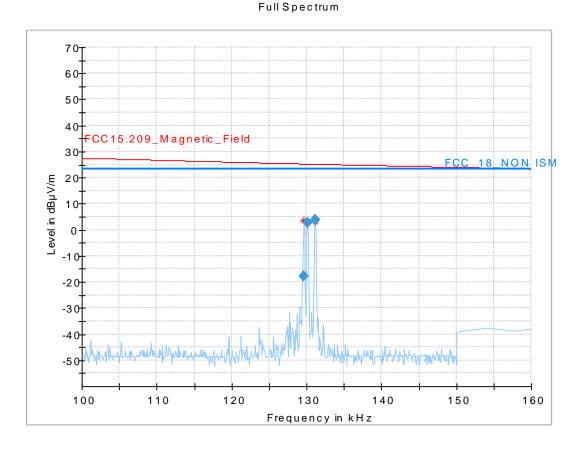
 HW Version:
 Beta 2

 Firmware Version:
 0.88.0

Input: 12VDC 6 A using AC/DC Adapter (Input: 110 V AC 60 Hz)

AC/DC Adapter Type: 100-240 VAC-2.0A 50-60Hz to 12VDC 6 A

AC/DC Adapter Model: EA10681U-120
AC/DC Manufacturer: EDACPOWER ELEC.
EuT Mode: Wireless Charging Mode only





Final_Result_FCC15.209

Frequency (MHz)	Quasi Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.129640	-17.71	25.35	43.05	1000.0	0.200	100.0	V	119.0	-59.8
0.130120	2.85	25.31	22.46	1000.0	0.200	100.0	V	20.0	-59.8
0.131160	3.90	25.24	21.34	1000.0	0.200	100.0	V	11.0	-59.7

Final_Result_FCC18.305_ Any non-ISM frequency

Frequency (MHz)	Quasi Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.129640	-17.71	23.52	41.23	1000.0	0.200	100.0	V	119.0	-59.8
0.130120	2.85	23.52	20.67	1000.0	0.200	100.0	V	20.0	-59.8
0.131160	3.90	23.52	19.62	1000.0	0.200	100.0	V	11.0	-59.7



1.2. Radiated Spurious Emissions 9kHz -30 MHz

Diagram No:2.08_Radiated field strength _WLC_9KHz- 30 MHz

Common Information

Test description: Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance

Version of Testsoftware: EMC32 V9.25.0

Distance correction: used accord. table, pls. see test report

Technical Data: Please see page 2 for detailed data of measurement setup Rec. antenna (pre-scan): height 1.00 m, parallel and 90° to EUT polarisation

Used filter: bypass

Test specification: FCC 18.305 § 15.209; RSS-Gen: Issue 4

Operator: APh/RIs

Operating conditions: Wirless charging (WLC) mode 130 kHz _Full Power mode

Test Mode: Cradle with AC/DC Power Supply & Wireless charging terminals inserted in all three slots

JOYA TOUCHTerminals: Slot 1: EUT Type :P00AN04HL0HT0W7-GR0 | S/N:Z16P00044

Slot 2:EUT Type :P00AN04HL0GT0W7-GRR | S/N:Z16P00014 Slot 3:EUT Type :P00AN04HL0GT0W7-GRR | S/N:Z16P00015

EUT Information

Manufacturer: Datalogic ADCL S.r.l.

MODEL: JOYA TOUCH 3-SLOT CRADLE

EuT Type:

 P/N:
 91ACC0043

 S/N:
 Z15P00992

 HW Version:
 Beta 2

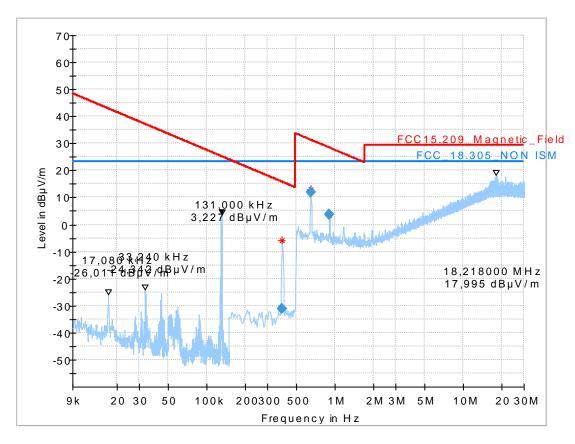
 Firmware Version:
 0.88.0

Input: 12VDC 6 A using AC/DC Adapter (Input: 110 V AC 60 Hz)

AC/DC Adapter Type: 100-240 VAC-2.0A 50-60Hz to 12VDC 6 A

AC/DC Adapter Model: EA10681U-120
AC/DC Manufacturer: EDACPOWER ELEC.
EuT Mode: Wireless Charging mode

Full Spectrum





Final_Result_FCC15.209

Frequency (MHz)	Quasi Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.390000	-31.04	15.78	46.82	1000.0	10.000	100.0	V	128.0	-52.3
0.650000	11.87	31.35	19.49	1000.0	10.000	100.0	V	24.0	-20.1
0.910000	3.78	28.44	24.65	1000.0	10.000	100.0	V	23.0	-20.1

Final_Result_FCC18.305_ Any non-ISM frequency

Frequency (MHz)	Quasi Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.390000	-31.04	23.52	54.56	1000.0	10.000	100.0	V	128.0	-52.3
0.650000	11.87	23.52	11.65	1000.0	10.000	100.0	V	24.0	-20.1
0.910000	3.78	23.52	19.74	1000.0	10.000	100.0	V	23.0	-20.1



1.3. Radiated Spurious Emissions 30 MHz - 1 GHz

Diagram No. 3.08_Radiated field strength _WLC_30 MHz-1000MHz

Common Information

Test description: Electric Field Strength Measurement

Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance

Version of Testsoftware: EMC32 V9.25.0 Distance correction: not used Used filter: TP NLP-1200

Technical Data: please see page 2 for detailed data of measurement setup

Test specification.: FCC 15.209; RSS-Gen: Issue 3

Operator: APh/RI

Operating conditions: Wirless charging (WLC) mode 130 kHz _Full Power mode

Test Mode: Cradle with AC/DC Power Supply & Wireless charging terminals inserted in all

three slot

JOYA TOUCHTerminals: Slot 1: EUT Type :P00AN04HL0HT0W7-GR0 | S/N:Z16P00044

EUT Information

Manufacturer: Datalogic ADCL S.r.l.

MODEL: JOYA TOUCH 3-SLOT CRADLE

EuT Type:

 P/N:
 91ACC0043

 S/N:
 Z15P00992

 HW Version:
 Beta 2

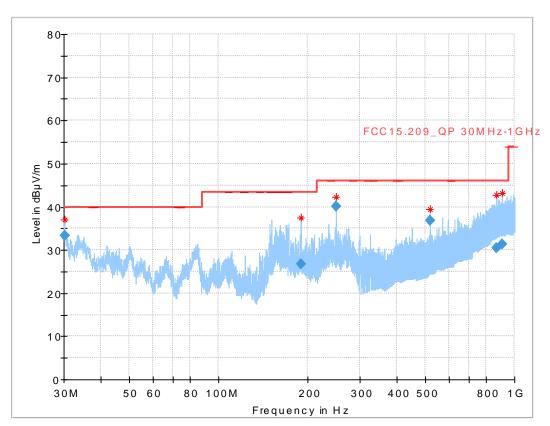
 Firmware Version:
 0.88.0

Input: 12VDC 6 A using AC/DC Adapter

AC/DC Adapter Type: 100-240 VAC-2.0A 50-60Hz to 12VDC 6 A (AC input: 110 VAC, 60 Hz)

AC/DC Adapter Model: EA10681U-120
AC/DC Manufacturer: EDACPOWER ELEC.
EuT Mode: Wireless Charging mode

Full Spectrum





Final_Result_FCC15.209

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.190000	33.32	40.00	6.68	1000.0	120.000	194.0	Н	300.0	21.5
189.410000	26.64	43.50	16.86	1000.0	120.000	178.0	Н	334.0	11.4
250.020000	40.07	46.00	5.93	1000.0	120.000	112.0	Н	187.0	13.0
520.010000	36.85	46.00	9.15	1000.0	120.000	109.0	V	63.0	20.6
867.490000	30.47	46.00	15.53	1000.0	120.000	290.0	Н	143.0	26.1
909.040000	31.31	46.00	14.69	1000.0	120.000	356.0	Н	351.0	27.0



2. AC-Power Line Conducted Emissions

Diagram No:.1.02_ WLC Mode_ Conducted Emissions

Common Information

Test Description: Conducted Voltage Measurement Class B
Test Site & Location: Conducted Emission, CETECOM GmbH Essen

Test Software: R&S EMC32 v9.15

Test Specification: FCC 15.107, FCC 15.207 FCC 15.307

Operating Mode: Wirless charging (WLC) mode 130 kHz _Full Power mode

Measured on line: N/L1

Diagram details: Shows the peak values as a sum of measured ports in maxhold mode

Environmental Conditions: Humidity: 48%rH; Temperature: 21°C

Operator: HLa

Test Mode: Cradle with AC/DC Power Supply & Wireless charging terminals inserted in all

three slots

JOYA TOUCHTerminals: Slot 1: EUT Type :P00AN04HL0HT0W7-GR0 | S/N:Z16P00044

Slot 2:EUT Type :P00AN04HL0GT0W7-GRR | S/N:Z16P00014 Slot 3:EUT Type :P00AN04HL0GT0W7-GRR | S/N:Z16P00015

EUT Information

Manufacturer: Datalogic ADCL S.r.l.

MODEL: JOYA TOUCH 3-SLOT CRADLE

EuT Type:

 P/N:
 91ACC0043

 S/N:
 Z15P00992

 HW Version:
 Beta 2

 Firmware Version:
 0.88.0

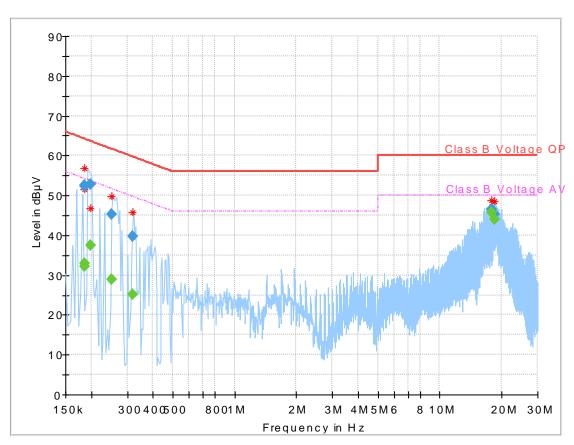
Input: 12VDC 6 A using AC/DC Adapter

AC/DC Adapter Type: 100-240 VAC-2.0A 50-60Hz to 12VDC 6 A

AC/DC Adapter Model: EA10681U-120 AC/DC Manufacturer: EDACPOWER ELEC.

EuT Mode: Wireless Charging (WLC) Mode only

Full Spectrum





Final_Result

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Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)
0.185000	52.40		64.26
0.185000		32.08	54.26
0.185469	52.54		64.24
0.185469		32.86	54.24
0.197813		37.34	53.70
0.197813	52.89		63.70
0.252969		29.01	51.66
0.252969	45.19		61.66
0.319375		25.04	49.72
0.319375	39.74		59.72
17.907031		45.86	50.00
17.907031	46.61		60.00
18.422656		43.89	50.00
18.422656	45.15		60.00