

Annex 1: Measurement diagrams to
TEST REPORT
 No.: 18-1-0002701T01a

According to:

FCC Regulations
 Part 15.107
 Part 15.109

for

Agilion GmbH

WIRELESS TAG EPAPER 3 PULSE | PHASE

FCC-ID: SCF6032704







Laboratory Accreditation and Listings		
 <p style="font-size: small;">Deutsche Akkreditierungsstelle D-PL-12047-01-01</p> <p style="text-align: center;">Accredited EMC-Test Laboratory</p>	 <p style="text-align: center;">Industry Canada</p> <p style="font-size: x-small;">Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3</p>	 <p style="text-align: center;">Voluntary Controls for Electromagnetic Emissions</p> <p style="font-size: x-small;">Reg. No.: R-20013, C-20009, T-20006, G-20013</p>
 <p style="font-size: x-small;">AUTHORIZED RF LABORATORY</p>	 <p style="font-size: x-small;">Authorized™ Test Lab Lab Code: 20011130-00</p>	 <p style="font-size: x-small;">MRA US-EU 0003</p>
accredited according to DIN EN ISO/IEC 17025		
<p>CETECOM GmbH</p> <p>Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com</p>		
Laboratory Accreditation and Listings		

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1. Radiated field strength measurements accord. §15.109

1.1. Field strength measurements 30MHz <f <1GHz

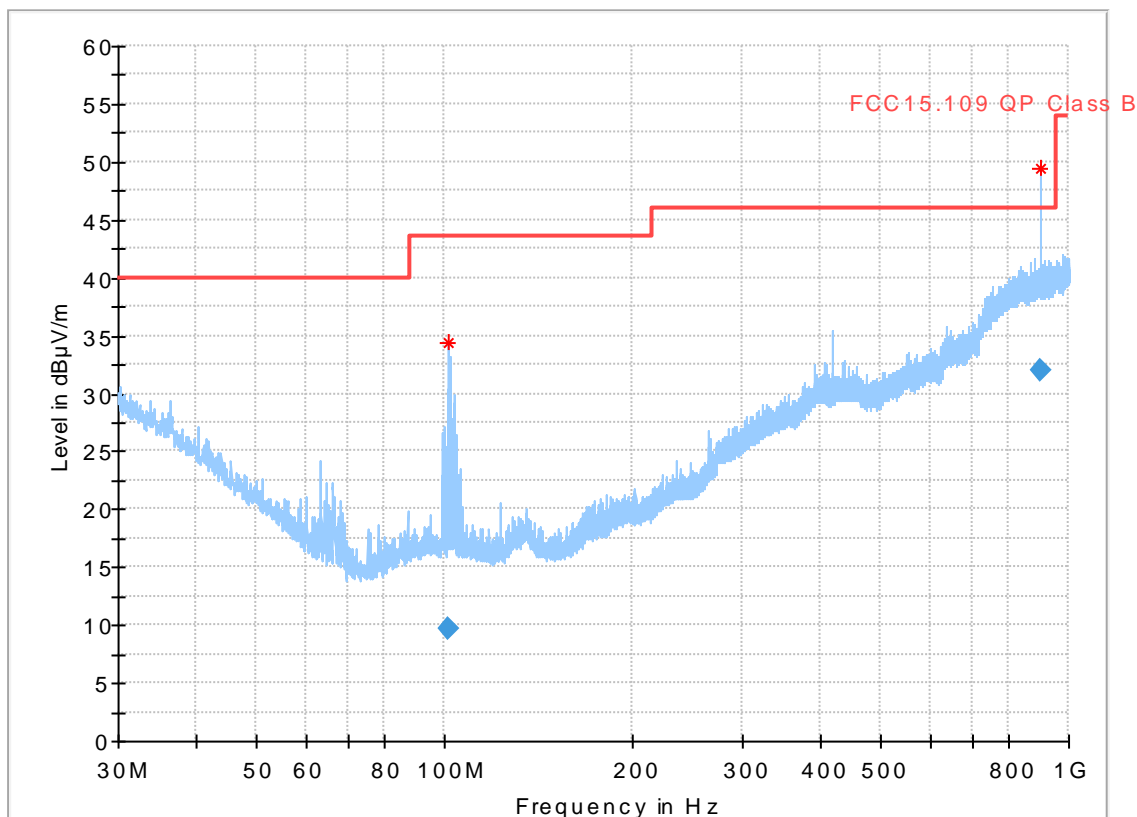
3.01_15B

Test description:	Date: 27.06.2018 Page 1 of 1
Test site and distance:	Electric Field Strength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3m measurement distance
Distance correction:	EMC32 V9.25.0
Technical Data:	not used
Used filter:	Please see page 2 for detailed data of measurement setup
Test specification:	not used
Operator:	FCC15.109, class B; RSS-Gen.: Issue 4
Operating conditions:	TFra
Measured sides of EUT:	Humidity: 35%rH; Temperature: 20°C
	front, right, rear, left

EUT Information

Manufacturer:	Agilion GmbH
Product:	Wireless Tag Epaper 3 Pulse
Power:	5V DC
EUT Model:	tbd
HW version:	tbd
SW version:	tbd
Serial Nr:	A48307

Full Spectrum



Final Result

Frequency (MHz)	Quasi Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr (dB)
101.438000	9.61	43.50	33.89	1000.0	120.000	112.0	H	269.0	90.0	8.1
902.342000	32.06	46.00	13.94	1000.0	120.000	359.0	H	239.0	0.0	26.8

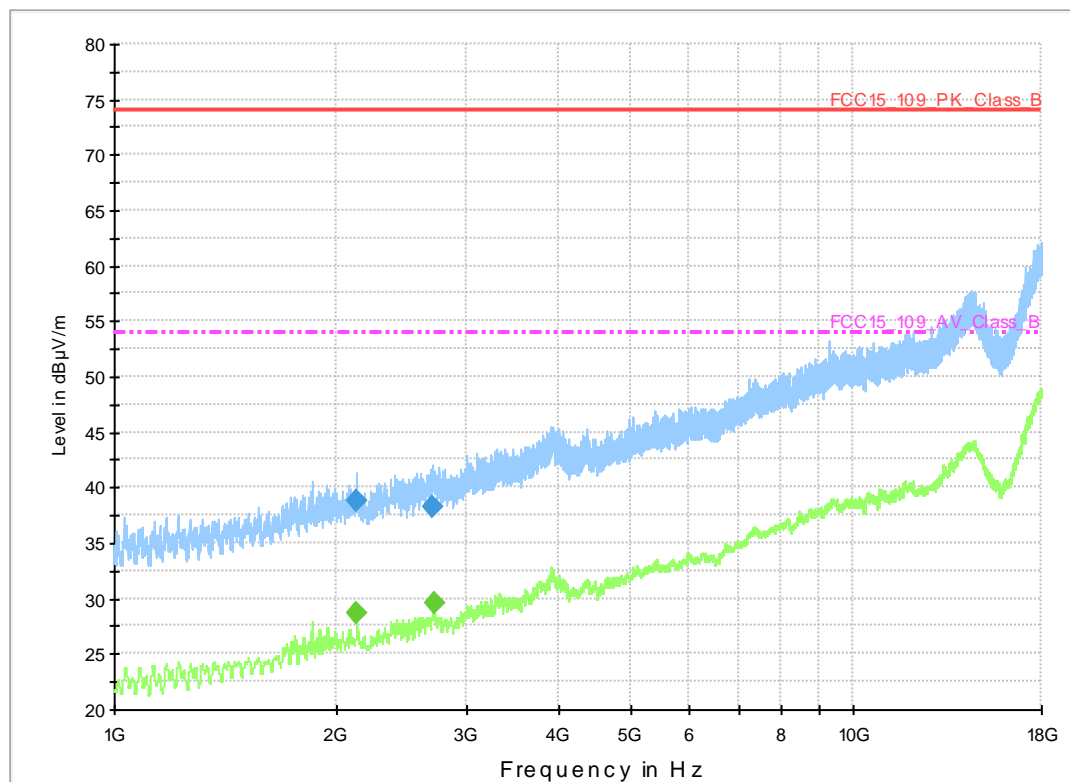
1.2. Field strength measurements $f < 18\text{GHz}$ **4.01_15B****Common Information**

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	Operator, please fill in the operating mode
Equipment Class:	Class B
Environmental Conditions:	Humidity: 40%rH; Temperature: 25°C

EUT Information

Manufacturer:	Agilion GmbH
Product:	Wireless Tag Epaper 3 Pulse
Power:	5V DC
EUT Model:	tbd
HW version:	tbd
SW version:	tbd
Serial Nr:	A48307

030447_FCC_Part15.109_Unint_Rad_Class_B_1G-18G_FSU26_OTa 1



Final Measurement Result 1

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2126.674000	38.7	---	100.0	1000.000	V	0.0	0.0	-12.8
2693.202000	38.2	---	100.0	1000.000	H	-28.0	0.0	-10.9

Final Measurement Result 2

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2132.054000	---	28.7	100.0	1000.000	H	2.0	90.0	-12.8
2714.590000	---	29.6	100.0	1000.000	H	277.0	0.0	-11.1