Annex 3: Measurement diagrams to T E S T R E P O R T No.: 17-1-0047701T08a-C1

According to:

FCC Regulations
Part 15.107
Part 15.109

ISED Regulations
RSS-Gen, Issue 4

for

WITT-Gasetechnik GmbH & Co KG

Data logger
PatBox

FCC-ID: 2APM9599100004
ISED: 23816-599100004

Laboratory Accreditation and Listings		
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01 Accredited EMC-Test Laboratory	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-4452, C-20009, T-20006, G-20013
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	ctia Authorized™ Test Lab Lab Code: 20011130-00	FCC COMMUNICATIONS COMMISSION USA MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		

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Laboratory Accreditation and Listings

TABLE OF CONTENTS:

1. Measurement results

1.1. Conducted Emissions on AC-Power lines – 150kHz to 30 MHz

Diagram No.: 1.01

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
Operating Mode:	NFC RX + Wireless Charging
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: 23°C
Operator:	Mar

EUT Information

Manufacturer:	WITT Gastechnik GmbH
Model:	Data logger
Type:	PatBox
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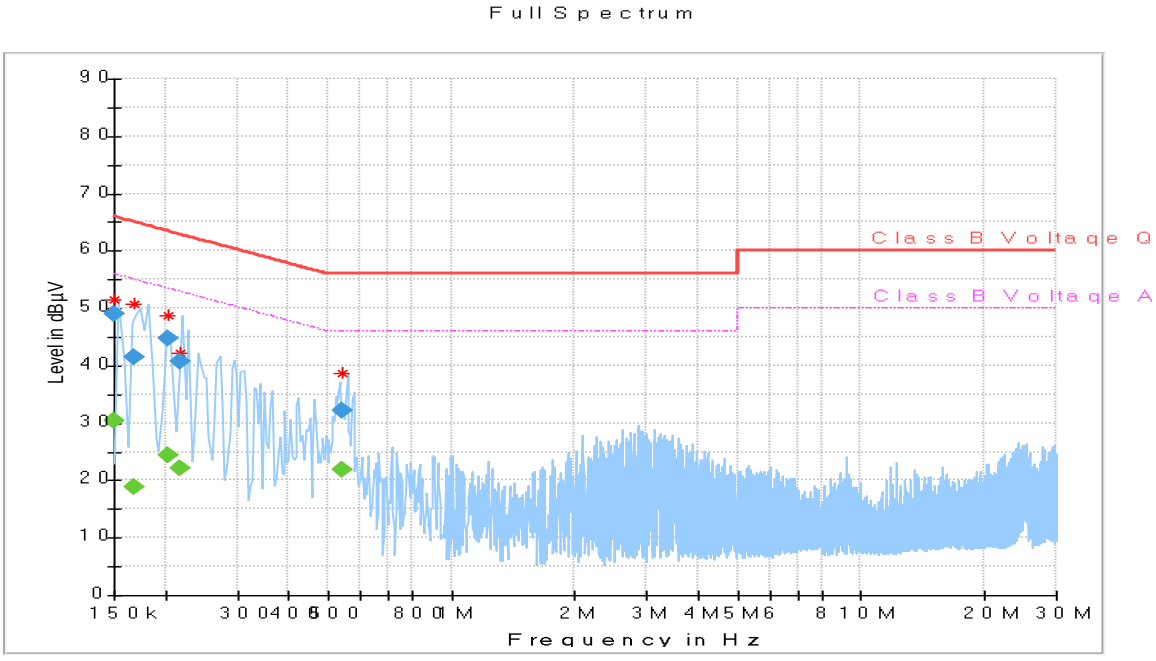
HW version:	4.4.0
SW version:	1.0
Serial number:	000003
Connected Interfaces:	Wireless Charger
Power Supply:	230V AC, 50 Hz



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)
0.150000	---	30.37	56.00
0.150000	49.13	---	66.00
0.168750	---	18.88	55.02
0.168750	41.47	---	65.02
0.202813	---	24.34	53.49
0.202813	44.84	---	63.49
0.217344	40.77	---	62.92
0.217344	---	22.18	52.92
0.543750	32.29	---	56.00
0.543750	---	21.81	46.00

1.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz

Diagram No. 3.01

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

EUT Information

Manufacturer:	WITT Gastechnik GmbH
Model:	Data logger
Type:	PatBox
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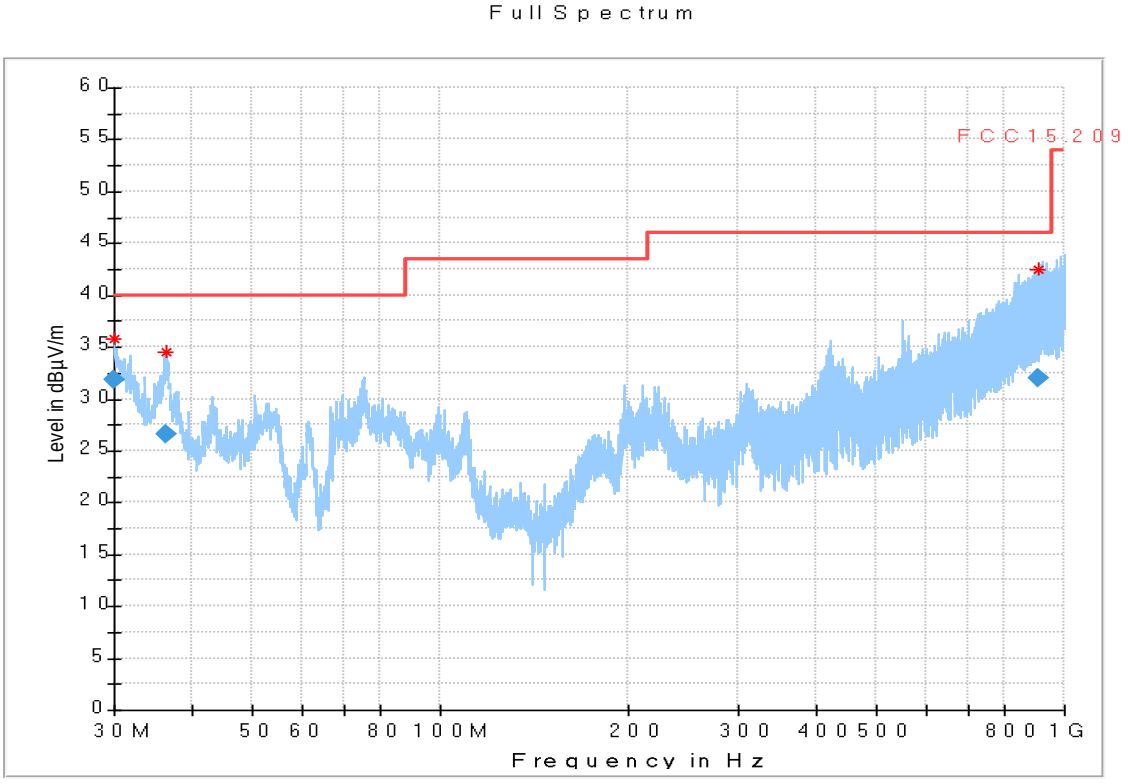
HW version:	4.4.0
SW version:	1.0
Serial number:	000003
Connected Interfaces:	Wireless Charger
Power Supply:	120V 60Hz



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
30.032000	31.80	40.00	8.20	1000.0	120.000	105.0	V	300.0	90.0	21.5
36.396000	26.52	40.00	13.48	1000.0	120.000	328.0	H	67.0	0.0	18.7
910.548000	31.92	46.00	14.08	1000.0	120.000	234.0	V	275.0	90.0	27.4