

Annex 3: Measurement diagrams to TEST REPORT 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		
 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
 	 Authorized TM Test Lab Lab Code: 20011130-00	 MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		
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TABLE OF CONTENTS:

1. RADIATED FIELD STRENGTH MEASUREMENTS	3
1.1. Conducted Emissions on AC-Power lines – 150kHz to 30 MHz	3
1.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz	4

1. Measurement results

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

Diagram No.: 1.01

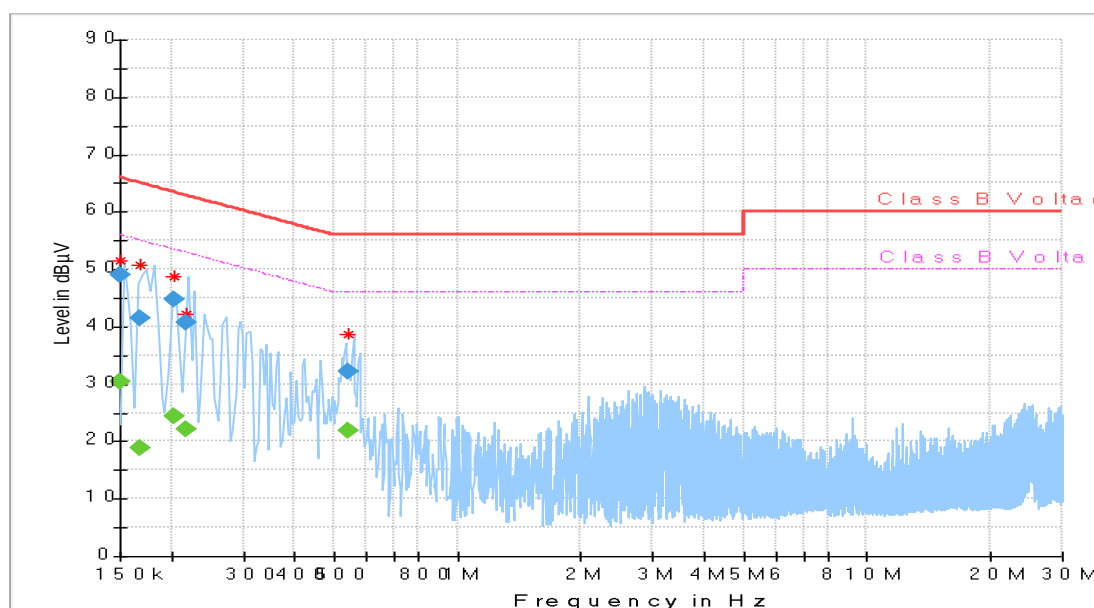
Common Information

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
HW version:	4.4.0
SW version:	1.0
Serial number:	000003
Connected Interfaces:	Wireless Charger
Power Supply:	230V AC, 50 Hz

Full Spectrum



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

Test description:
Test site and distance:
Version of Testsoftware:
Distance correction:
Technical Data:
Used filter:
Test specification:

Date: 12.06.2017 Page 1 of 1
Electric Field Strength Measurement
Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3m measurement distance
EMC32 V9.25.0
not used
Please see page 2 for detailed data of measurement setup
not used
FCC15.109, class B; RSS-Gen.: Issue 4

Operator:
Operating conditions:
Measured sides of EUT:

MBe
Mode 2
front, right, rear, left, top , bot

EUT Information

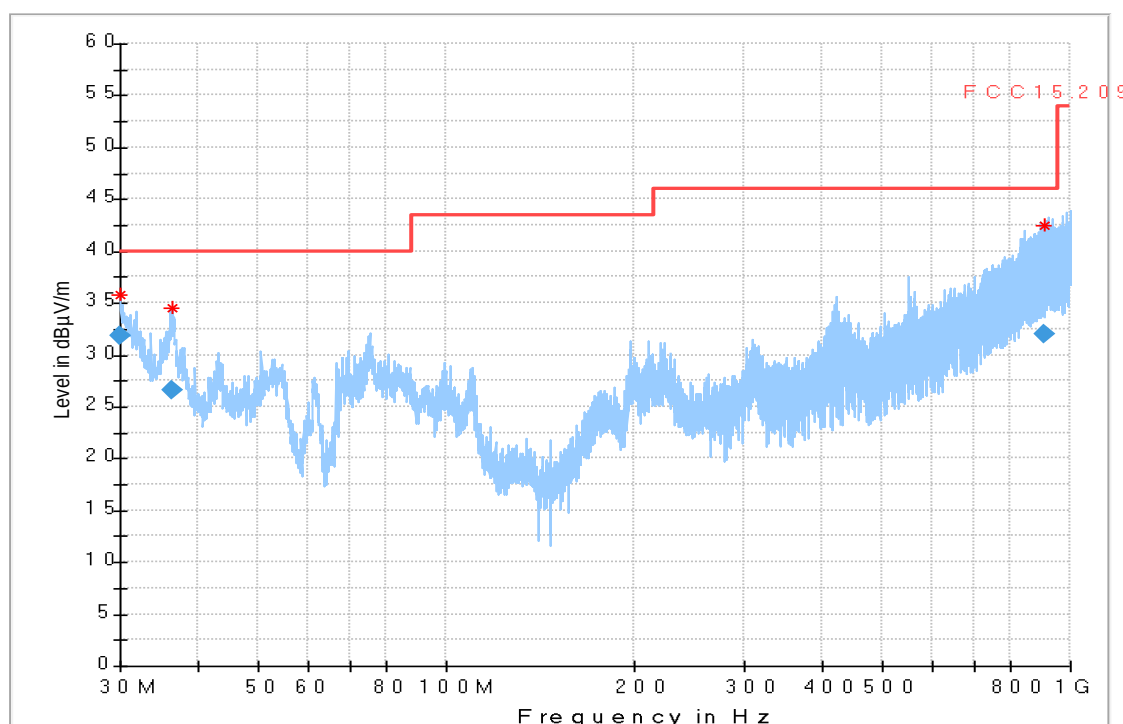
Manufacturer:
Model:
Type:

WITT Gastechnik GmbH
Data logger
PatBox

HW version:
SW version:
Serial number:
Connected Interfaces:
Power Supply:

4.4.0
1.0
000003
Wireless Charger
120V 60Hz

Full Spectrum



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