

Annex 1: Measurement diagrams to TEST REPORT No.: 17-1-0021101T14

According to:
FCC Regulations
Part 15.107, Part 15.109

IC-Regulations
RSS-Gen, Issue 4

for

Leica Camera AG

Digital Camera
Type No. 6847

FCC-ID: N5A6847

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-4552, C-20009, T-20006, G-20013
 	 ctia Authorized TM Test Lab Lab Code: 20011130-00	 FEDERAL COMMUNICATIONS COMMISSION U.S.A. • MEXICO MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		
CETECOM GmbH 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		

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1. Measurement diagrams

1.1. Conducted emissions on AC-mains (120V/60Hz)

1.1.1. Part 15B: Video-Mode

Diagram No. 1.01

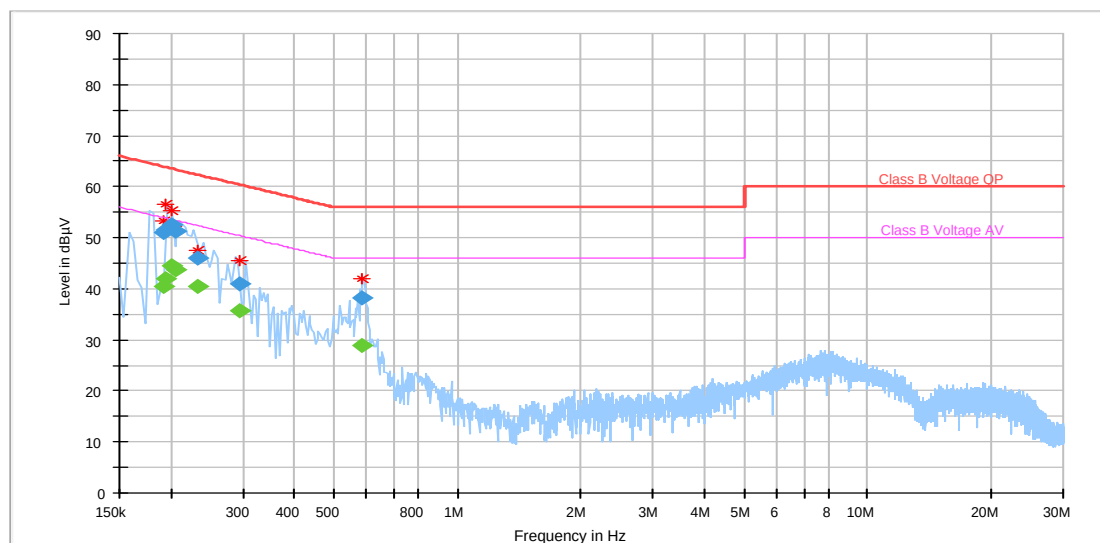
Common Information

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:	Video mode
Measured on line:	N/L1
Diagram details:	Shows the peak values as a sum of measured ports in maxhold mode
Environmental Conditions:	Humidity: 42%rH; Temperature: 22°C
Operator:	Mar

EUT Information

Manufacturer:	Leica Camera AG
Model:	Digital Camera
Type:	6847
SW:	0.17.50.9
HW:	1745-0001-0000 / 1801-0101
Ser-No:	P-016
Power Supply:	120VAC/60Hz

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)
0.191094	51.07	---	63.99
0.191094	---	40.53	53.99
0.194375	51.45	---	63.85
0.194375	---	42.00	53.85
0.199844	---	44.55	53.62
0.199844	52.62	---	63.62
0.205625	---	43.70	53.38
0.205625	51.41	---	63.38
0.232969	---	40.35	52.34
0.232969	45.88	---	62.34
0.293750	---	35.62	50.42
0.293750	41.09	---	60.42
0.585000	---	28.86	46.00
0.585000	38.33	---	56.00

1.2. Radiated emissions in the frequency range 30 to 1000MHz

1.2.1. Part 15B: Video Mode

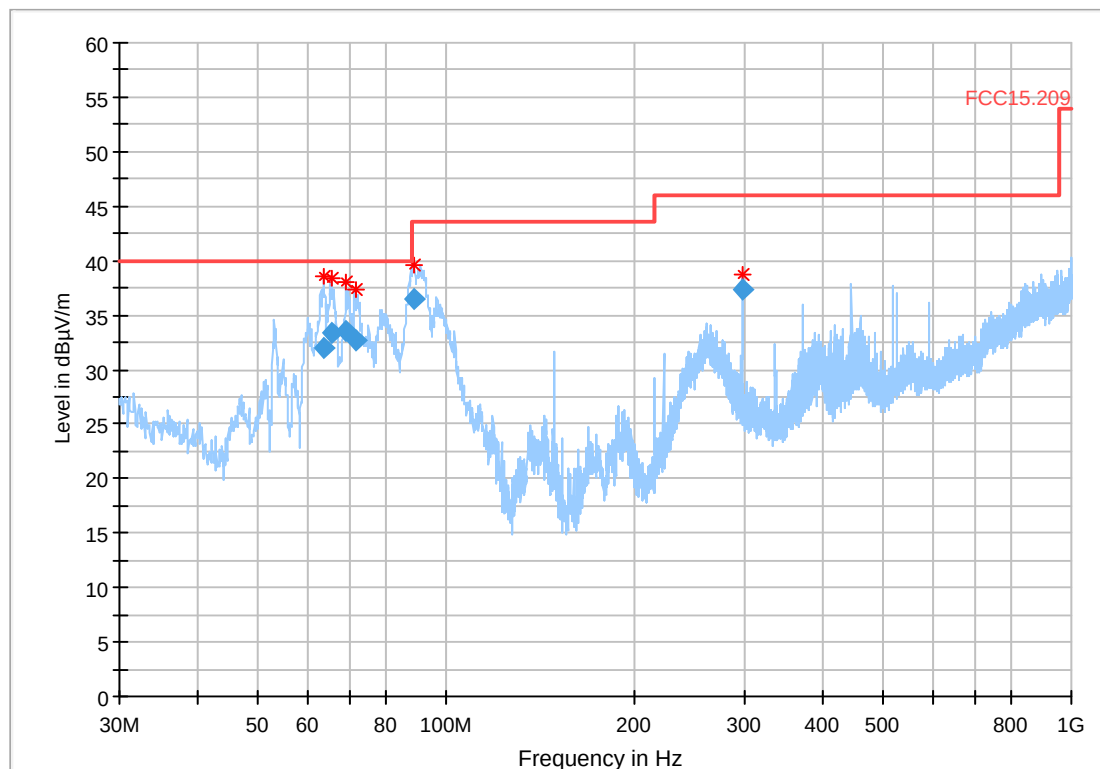
Diagram No. 3.01

Test description:	24.01.2018 Page 1 of 1
Test site and distance:	Electric Field Strength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Used filter:	not used
Test specification.:	not used
Operator:	FCC 15.109/15.205; RSS-Gen., Issue 4
Operating conditions:	MBE
Power during tests:	Video mode
	120V/60Hz / full battery

EUT Information

Manufacturer:	Leica Camera AG
Model:	Digital Camera
Type:	6847
SW:	0.17.50.9
HW:	1745-0001-0000 / 1801-0101
Ser-No:	P-016
Power Supply:	230VAC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.66000	32.07	40.00	1000.0	120.000	133.0	V	286.0	7.7
65.53000	33.39	40.00	1000.0	120.000	218.0	V	304.0	7.1
69.18000	33.53	40.00	1000.0	120.000	128.0	V	339.0	6.6
71.64000	32.63	40.00	1000.0	120.000	136.0	V	295.0	6.6
88.51000	36.41	43.50	1000.0	120.000	105.0	V	116.0	8.1
297.0100	37.36	46.00	1000.0	120.000	113.0	H	136.0	15.0

1.3. Radiated emissions in the frequency range above 1000MHz

1.3.1. Part 15B – Video Mode

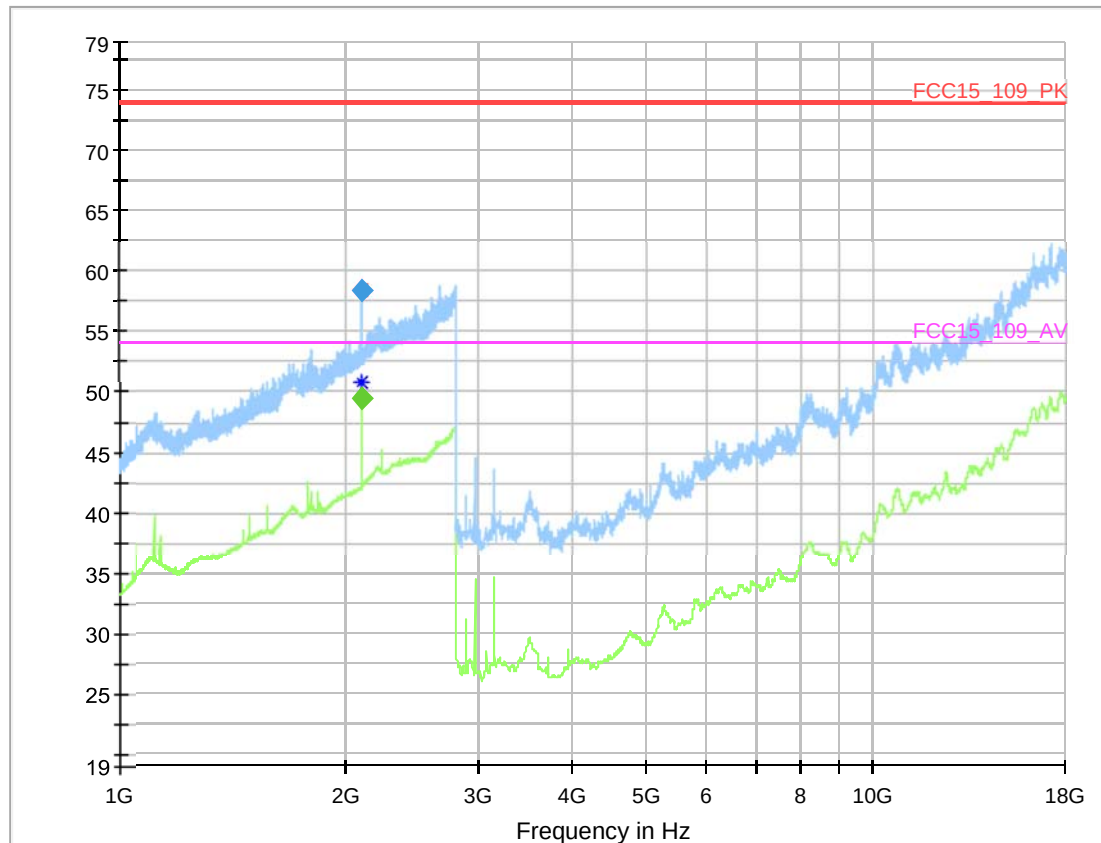
Diagram No. 4.01

Common Information

Test Site:	CETECOM GmbH Essen
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Test specification.:	FCC 15.109/15.205; RSS-Gen., Issue 4
Operator:	MBe
Operating conditions:	Video mode
Power during tests:	120V/60Hz / full battery

EUT Information

Manufacturer:	Leica Camera AG
Model:	Digital Camera
Type:	6847
SW:	0.17.50.9
HW:	1745-0001-0000 / 1801-0101
Ser-No:	P-016



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Correction (dB)
2099.882000	58.39	74.00	15.61	1000.000	155.0	H	7.0	0.0	34.1
2099.957000	---	54.00	3.92	1000.000	155.0	H	7.0	0.0	34.1

Diagram No. 4.02

Common Information

Test Site:	CETECOM GmbH Essen
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Test specification.:	FCC 15.109/15.205; RSS-Gen., Issue 4
Operator:	MBe
Operating conditions:	Video mode
Power during tests:	120V/60Hz / full battery

EUT Information

Manufacturer:	Leica Camera AG
Model:	Digital Camera
Type:	6847

SW:	0.17.50.9
HW:	1745-0001-0000 / 1801-0101
Ser-No:	P-016

FCC_Sweep_15.109B_18_40GHz_Pre

