

Appendix 1

Test equipment used

☐	Anechoic Chamber with 3m measurement distance	NT-100	☐	ESI26 – Test receiver 20 Hz – 26,5 GHz	NT-207
☐	Stripline according to ISO 11452-5	NT-108	☐	Digital Radio Tester CTS55	NT-208
☐	MA 240 - Antenna mast 1 - 4 m height	NT-110	☐	Noise-gen., ITU-R 559-2 20 Hz – 20 kHz	NT-209
☐	DS 412 - Turntable 0 - 400 ° Azimuth	NT-111	☐	CMTA - Radiocommunication analyzer ; 0,1 - 1000 MHz	NT-210
☐	HD 100 Controller Mast+Turntable	NT-112	☐	3271 - Spectrum analyzer 100 Hz - 26,5 GHz	NT-211
☐	HUF-Z2 - Bicon. Antennna 20 - 300 MHz	NT-120	☐	Radiocommunicationanalyzer Marconi 2945A	NT-212
☐	HUF-Z3 - Log. Per. Antenna 200 - 1000 MHz	NT-121	☐	2855S - Communication analyzer	NT-213
☐	HFH-Z2 - Loop Antenna. 9 kHz - 30 MHz	NT-122	☐	Mixer M28HW 26,5 GHz - 40 GHz	NT-214
☐	HFH-Z6 - Rod Antenna 9 kHz - 30 MHz	NT-123	☐	Diode Detector 0,01 GHz - 26,5 GHz	NT-215
☐	3121C - Dipole Antenna 28 - 1000 MHz	NT-124	☐	RubiSource T&M Timing reference	NT-216
☐	3115 - Horn Antenna 1 - 18 GHz	NT-125	☐	Radiocommunicationanalyzer SWR 1180 MD	NT-217
☐	3116 - Horn Antenna 18 - 40 GHz	NT-126	☐	Mixer M19HWD 40 GHz – 60 GHz	NT-218
☐	SAS-200/543 - Bicon. Ant. 20 MHz - 300 MHz	NT-127	☐	Mixer M12HWD 60 GHz – 90 GHz	NT-219
☐	AT-1080 - Log. Per. Ant. 80 - 1000 MHz	NT-128	☐	TDS - 540 DSO Digital scope	NT-220
☐	HK-116 - bicon. Ant. 20 MHz - 300 MHz	NT-129	☐	PM97 Scopemeter	NT-221
☐	HK-116 - bicon. Ant. 20 MHz - 300 MHz	NT-130	☐	TPS 2014 Digital scope	NT-222
☐	3146 - Log. Per. Ant. 200 - 1000MHz	NT-131	☐	Artificial Ear according to IEC 60318	NT-224
☐	Loop Antenna H-Field	NT-132	☐	1 kHz Sound calibrator	NT-225
☐	Horn Antenna 500 MHz - 2900 MHz	NT-133	☐	B10 - Harmonics and flicker analyzer	NT-232
☐	Log. per. Antenna 800 MHz - 2500 MHz	NT-134	☐	SRM-3000 Spectrumanalyzer	NT-233
☐	Log. per. Antenna 800 MHz - 2500 MHz	NT-135	☐	E-field probe SRM 75 MHz – 3 GHz	NT-234
☐	BiConiLog Antenna 26 MHz – 2000 MHz	NT-137	☐	Hall-Teslameter ETM-1	NT-241
☐	Conical Dipol Antenna PCD8250	NT-138	☐	EFA-3 H-field- / E-field probe	NT-243
☐	HZ-1 Antenna tripod	NT-150	☐	E-field measuring instrument EMR-200; 100 kHz – 3 GHz	NT-244
☐	BN 1500 Antenna tripod	NT-151	☐	E-field probe 100 kHz – 3 GHz	NT-245
☐	Ant. tripod for EN61000-4-3 Model TP1000A	NT-156	☐	Magneticfield-Sensor 300 kHz – 30 MHz	NT-246
☐	Spectrumanalyzer – FSP7 9 kHz – 7 GHz	NT-200	☐	E-field probe 3 MHz – 18 GHz	NT-247
☐	ESVP - Test receiver 20 - 1000 MHz	NT-201	☐	H-field probe 27 MHz – 1 GHz	NT-248
☐	ESPC - Test receiver 9 kHz - 2,5 GHz	NT-203	☐	ELT-400 1 Hz – 400 kHz	NT-249

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☐ MDS 21 - Absorbing clamp 30 - 1000 MHz	NT-250	☐ AS0102-65R - RF-Amplifier 1 GHz - 2 GHz	NT-333
☐ FCC-203I EM Injection clamp	NT-251	☐ APA01 - RF-Amplifier 0,5 GHz - 2,5 GHz	NT-334
☐ FCC-203I-DCN Ferrite decoupling network	NT-252	☐ Preamplifier 1 GHz - 4 GHz	NT-335
☐ PR50 Current Probe	NT-253	☐ Preamplifier for GPS MKU 152 A	NT-336
☐ PR630 Current Probe	NT-254	☐ Preamplifier 100 MHz - 23 GHz	NT-337
☐ Fluke 87 V True RMS Multimeter	NT-260	☐ DC Block 10 MHz - 18 GHz Model 8048	NT-338
☐ Model 2000 Digital Multimeter	NT-261	☐ 2-97201 Electronic load	NT-341
☐ Fluke 79 Digital Multimeter	NT-262	☐ TSX3510P - Power supply 0-30 V / 0 - 10 A	NT-344
☐ ESH2-Z5 Artificial mains network 4x25A	NT-300	☐ TSX3510P - Power supply 0-30 V / 0 - 10 A	NT-345
☐ ESH3-Z5 Artificial mains network 2x10A	NT-301	☐ VDS 200 Mobil-impuls-generator	NT-350
☐ ESH3-Z6 Artificial mains network 1x100A	NT-302	☐ LD 200 Mobil-impuls-generator	NT-351
☐ ESH3-Z4 T-Artificial network	NT-303	☐ MPG 200 Mobil-Impuls-Generators	NT-352
☐ PHE 4500/B Power amplifier	NT-304	☐ EFT 200 Mobil-impuls-generator	NT-353
☐ EZ10 T-Artificial Network	NT-305	☐ AN 200 S1 Artificial Network	NT-354
☐ ENY22 Artificial Network	NT-308	☐ FP 16/3-1 3 ph. Coupling filter (Burst)	NT-400
☐ ENY41 Artificial Network	NT-309	☐ PHE 4500 - Mains impedance network	NT-401
☐ SMG - Signal generator 0,1 - 1000 MHz	NT-310	☐ IP 6.2 Coupling filter for data lines (Surge)	NT-403
☐ PM 5518 TXVPS Video generator	NT-311	☐ ESH2-Z3 - Probe 9 kHz - 30 MHz	NT-410
☐ RefRad Reference generator	NT-312	☐ IP 4 - Capacitive clamp (Burst)	NT-411
☐ SMP 02 Signal generator 10 MHz - 20 GHz	NT-313	☐ Highpass-Filter 100 MHz - 3 GHz	NT-412
☐ 40 MHz Arbitrary Generator T1241	NT-315	☐ Highpass-Filter 600 MHz - 4 GHz	NT-413
☐ PEFT - Burst generator up to 4 kV	NT-320	☐ Highpass-Filter 1250 MHz - 4 GHz	NT-414
☐ ESD 30 System up to 25 kV	NT-321	☐ Highpass-Filter 1800 MHz - 16 GHz	NT-415
☐ PSURGE 4.1 Surge generator	NT-324	☐ Highpass-Filter 3500 MHz - 18 GHz	NT-416
☐ TRANSIENT 1000 Immunity test system	NT-325	☐ RF-Attenuator 20 dB 0,1 - 1000 MHz / 25 W	NT-421
☐ VCS 500-M6 Surge-Generator	NT-326	☐ RF-Attenuator 10 dB 0,1 - 1000 MHz / 20 W	NT-422
☐ BTA-250 - RF-Amplifier 9 kHz - 220 MHz / 250 W	NT-330	☐ RF-Attenuator 30 dB 0,1 - 1000 MHz / 1 W	NT-423
☐ T82-50 RF-Amplifier 2 GHz - 8 GHz	NT-331	☐ RF-Attenuator 30 dB	NT-424
☐ 500W1000M7 - RF-Amplifier 80 - 1000 MHz / 500 W	NT-332	☐ RF-Attenuator 6 dB 0,1 - 1000 MHz / 1 W	NT-425

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☐	RF-Attenuator 6 dB 0,1 - 1000 MHz / 1 W	NT-426	☐	ES-K1 Version 1.71 Test software	NT-520
☐	RF-Attenuator 6 dB	NT-428	☐	SRM-TS Version 1.3 software for SRM-3000	NT-522
☐	RF-Attenuator 0 dB - 81 dB	NT-429	☐	SPS-PHE Test software V2.32 voltage fluctuations/harmonics	NT-525
☐	WRU 27 - Band blocking 27 MHz	NT-430	☐	SPS-EM Test software V2.32 for PHE 4500/B	NT-527
☐	WHJ450C9 AA - High pass 450 MHz	NT-431	☐	Noise power test apparatus according to EN 55014	NT-530
☐	WHJ250C9 AA - High pass 250 MHz	NT-432	☐	Vertical coupling plane (ESD)	NT-531
☐	RF-Load 150 W	NT-433	☐	Test cable #4 for EN 61000-4-6	NT-553
☐	Impedance transducer 1:4 ; 1:9 ; 1:16	NT-435	☐	Test cable #3 for conducted emission	NT-554
☐	RF-Attenuator DC – 18 GHz 6 dB	NT-436	☐	Test cable #5 ESD-cable (2x470k)	NT-555
☐	RF-Attenuator DC – 18 GHz 6 dB	NT-437	☐	Test cable #6 ESD-cable (2x470k)	NT-556
☐	RF-Attenuator DC – 18 GHz 10 dB	NT-438	☐	Test cable #8 Sucoflex 104EA	NT-559
☐	RF-Attenuator DC – 18 GHz 20 dB	NT-439	☐	Test cable #9 (for outdoor measurements)	NT-580
☐	I+P 7780 Directional coupler 100 - 2000 MHz	NT-440	☐	Test cable #10 (for outdoor measurements)	NT-581
☐	ESH3-Z2 - Pulse limiter 9 kHz - 30 MHz	NT-441	☐	Test cable #13 Sucoflex 104PE	NT-584
☐	Power Divider 6 dB/1 W/50 Ohm	NT-443	☐	Test cable #21 for SRM-3000	NT-592
☐	Directional coupler 0,1 MHz – 70 MHz	NT-444	☐	Shield chamber	NT-600
☐	Directional coupler 0,1 MHz – 70 MHz	NT-445	☐	Climatic chamber -55°C to +180°C	M-512
☐	Tube imitations according to EN 55015	NT-450	☐	Control and simulation equipment for EUT	---
☐	FCC-801-M2-50A Coupling decoupling network	NT-459			
☐	FCC-801-M5-25 Coupling decoupling network	NT-460			
☐	FCC-801-AF10 Coupling decoupling network	NT-461			
☐	FCC-801-S25 Coupling decoupling network	NT-462			
☐	FCC-801-T4 Coupling decoupling network	NT-463			
☐	FCC-801-C1 Coupling decoupling network	NT-464			
☐	F-16A - Current probe 1kHz - 70MHz	NT-465			
☐	95242-1 – Current probe 10 MHz – 400 MHz	NT-468			
☐	PC P4 3 GHz Test computer	NT-500			
☐	PC P4 1700 MHz Notebook	NT-505			
☐	PC Intel Centrino 1600 MHz Notebook	NT-506			
☐	Monitoring camera with Monitor	NT-511			

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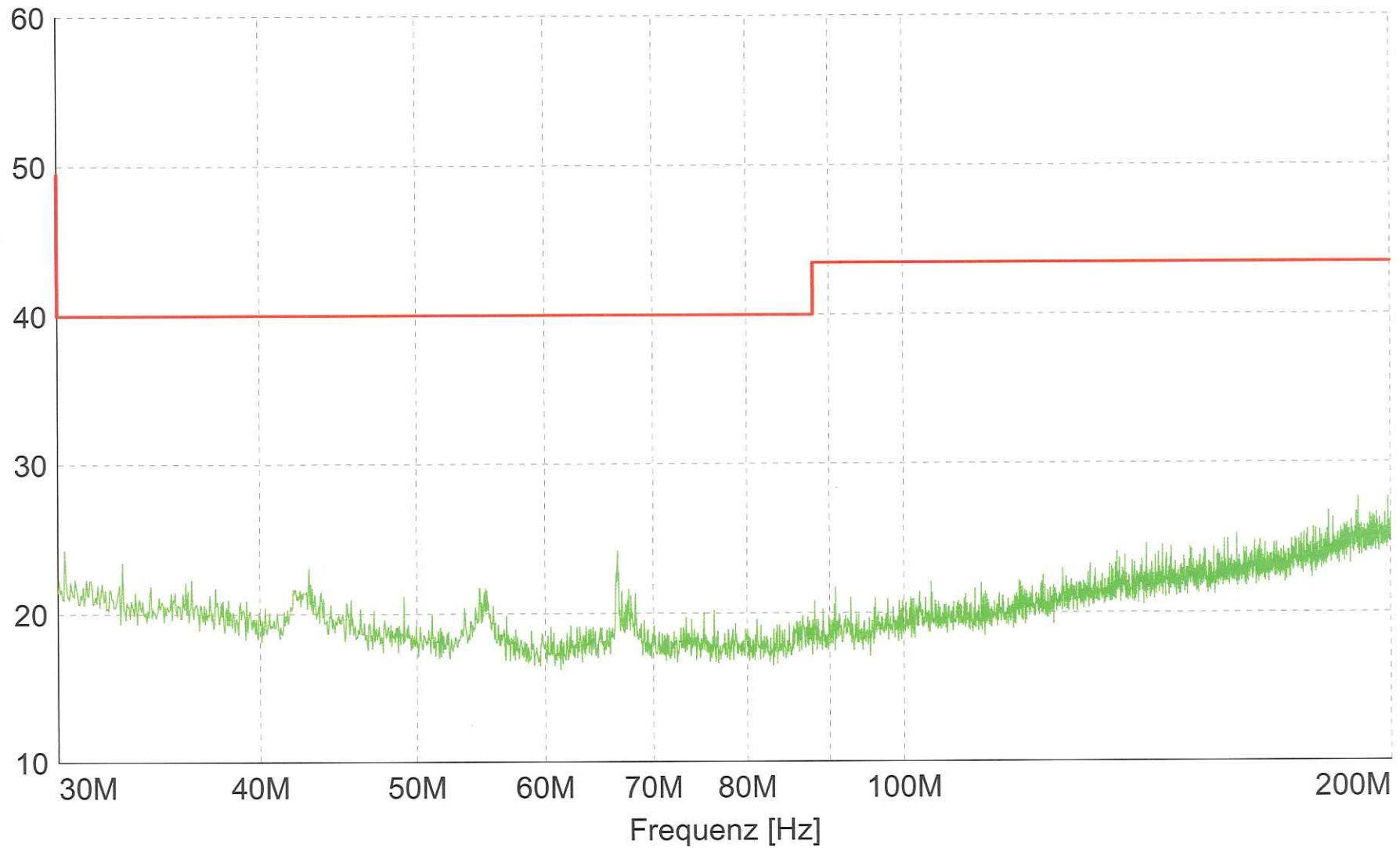
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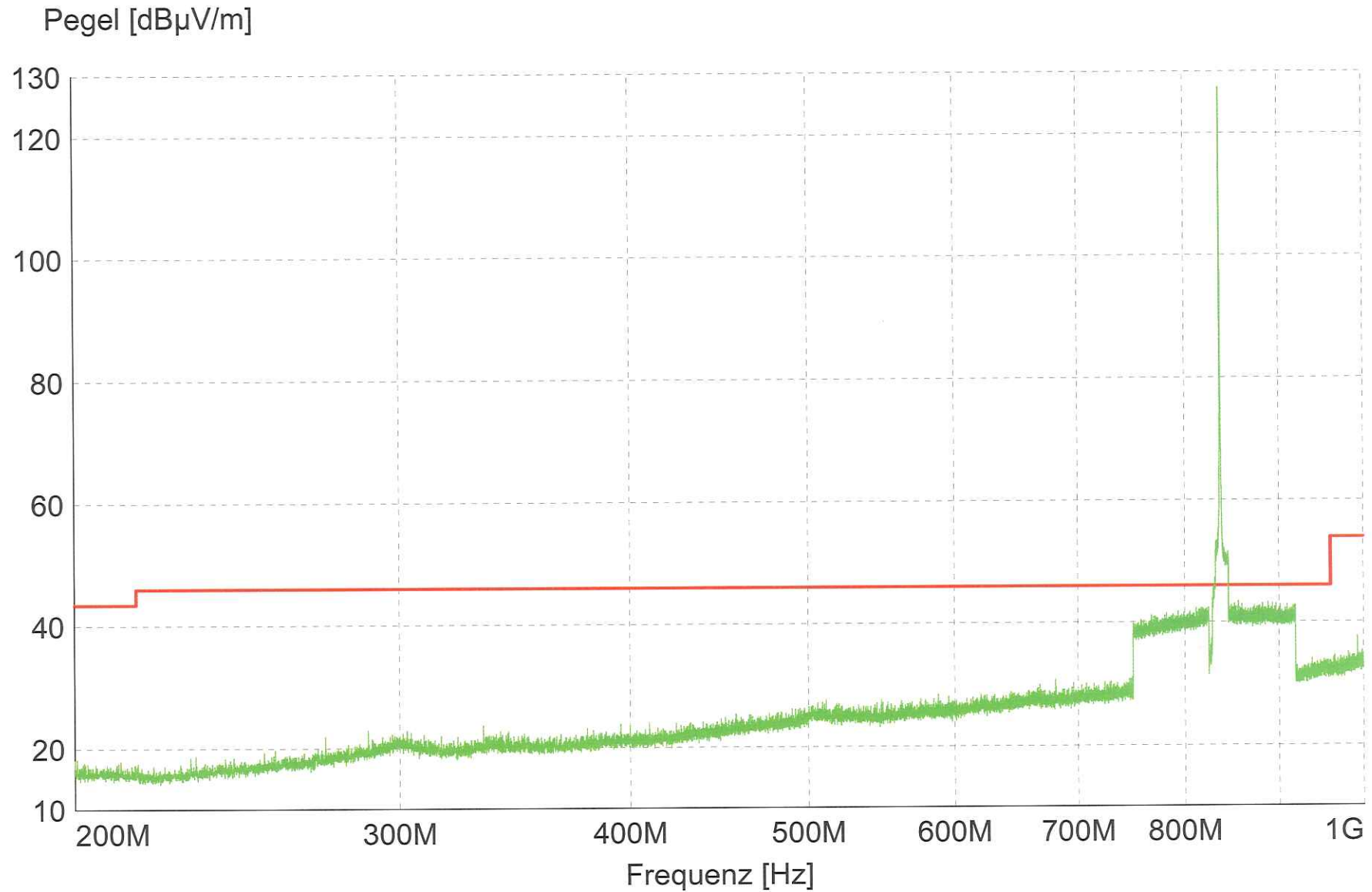
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MES A733_850_v01
LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

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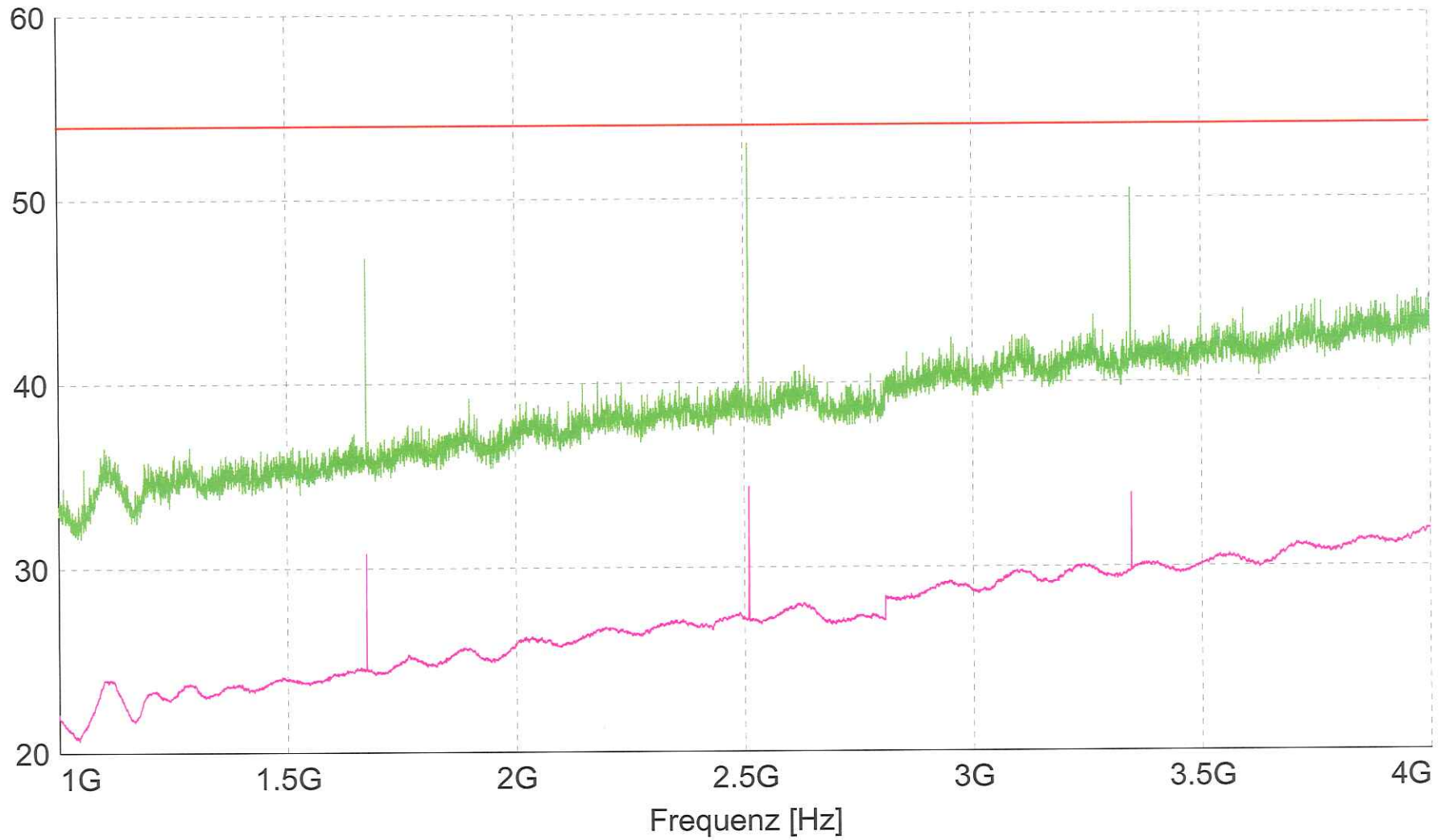


— MES A733_850_v02
 — LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

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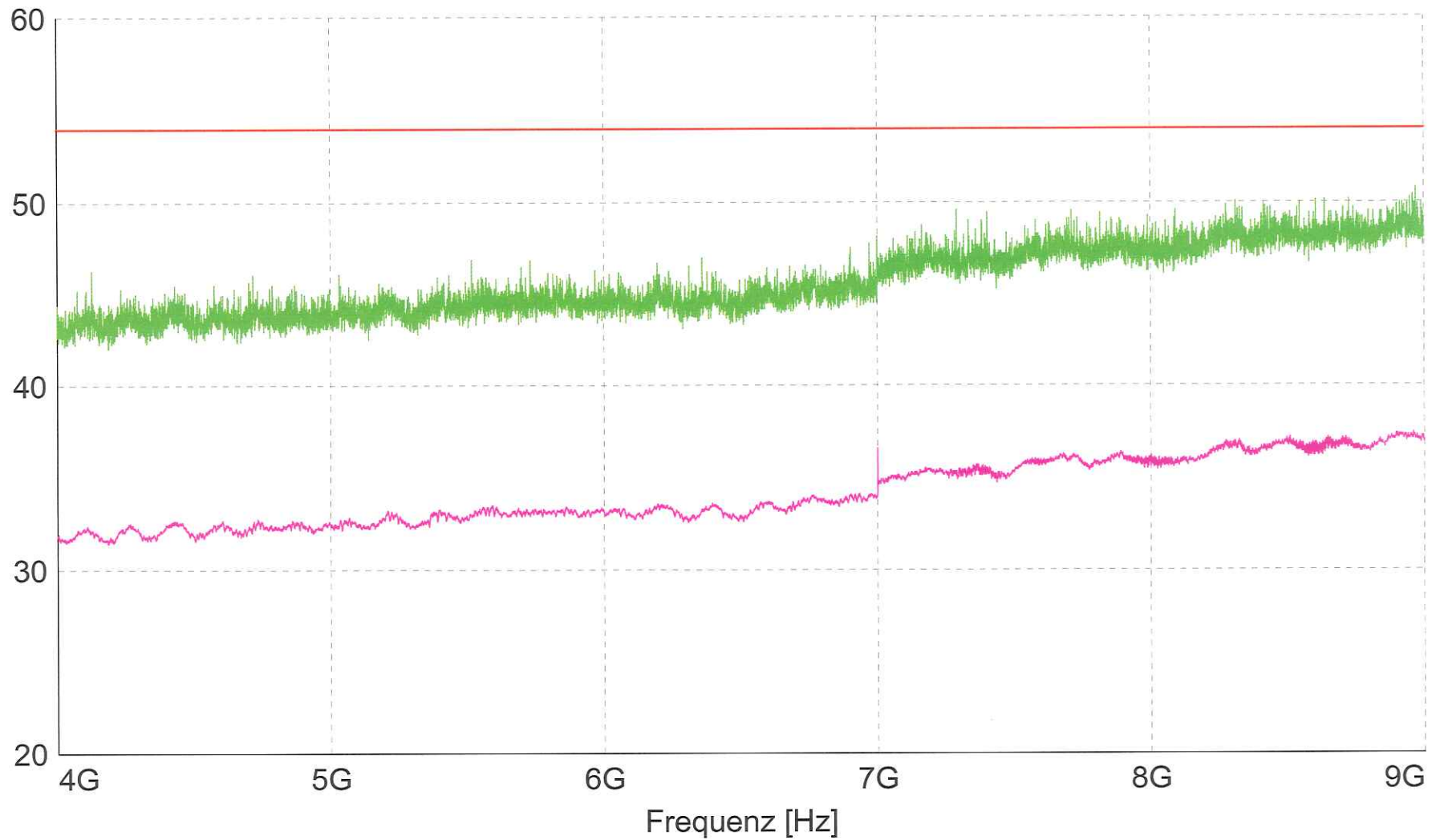
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MES A733_850_v03PK
MES A733_850_v03AV
LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

Pegel [dB μ V/m]



MES A733_850_v04PK
MES A733_850_v04AV
LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

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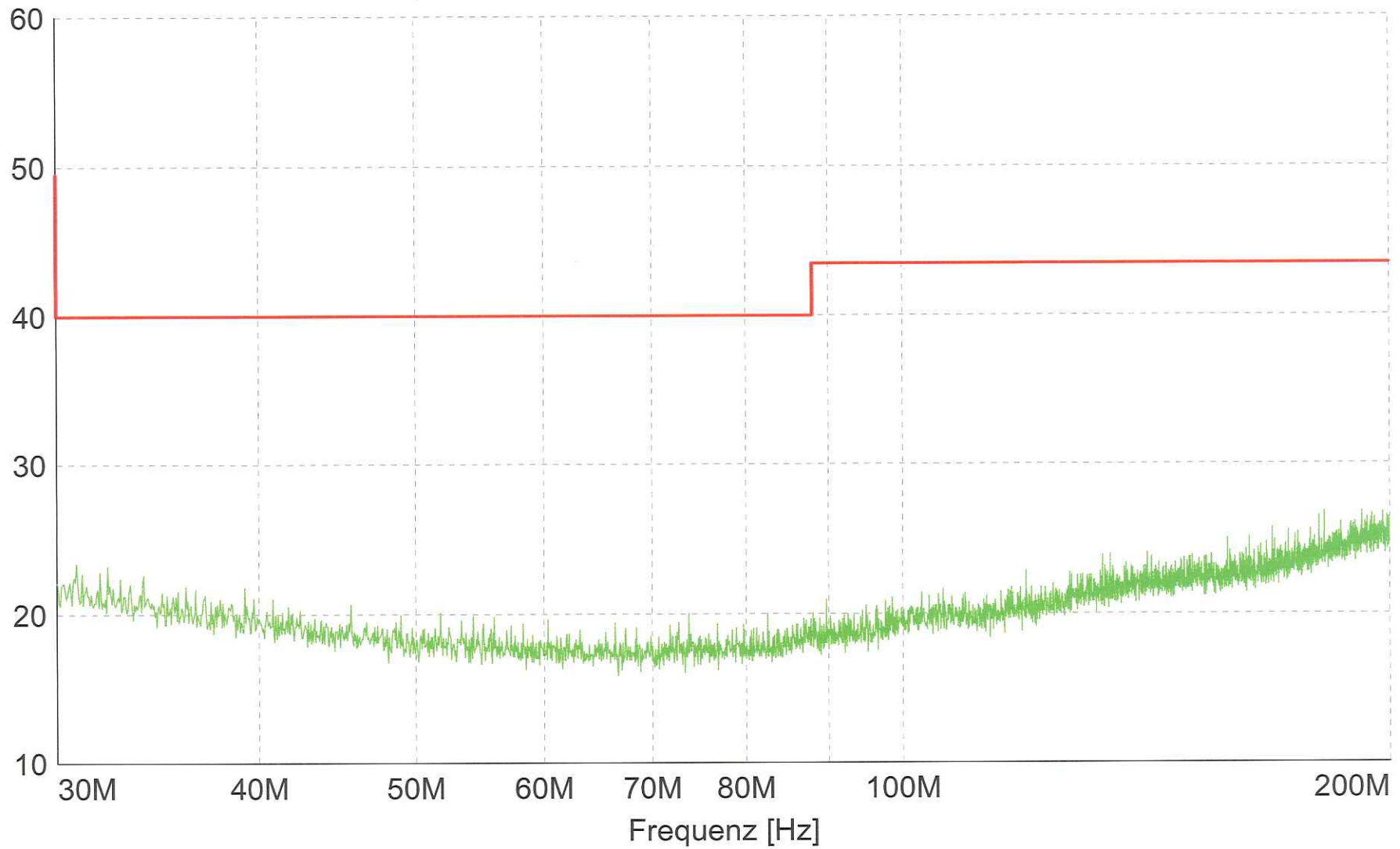
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Pegel [dB μ V/m]



MES A733_1900_h01
LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

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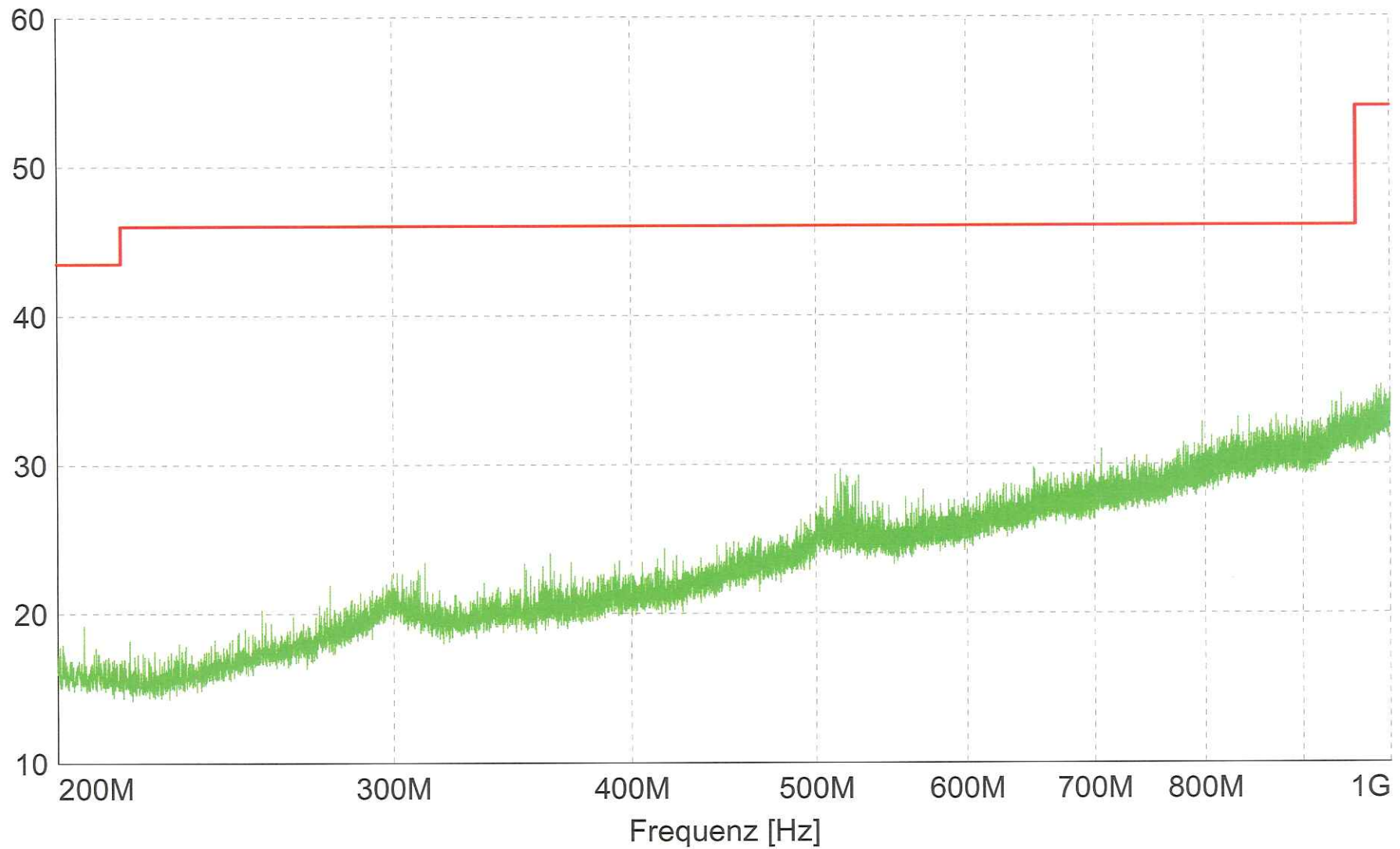
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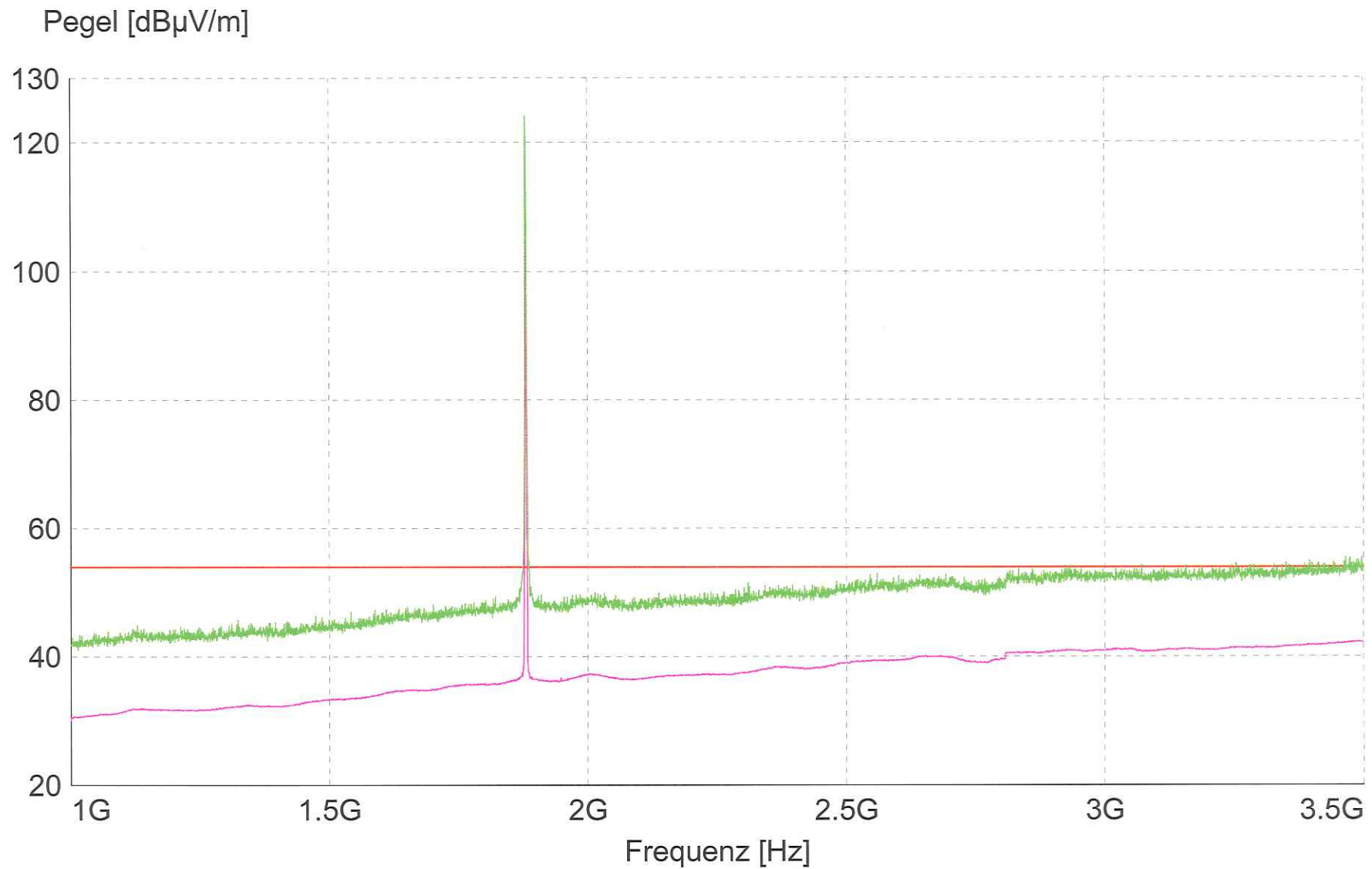
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Pegel [dB μ V/m]



MES A733_1900_v02
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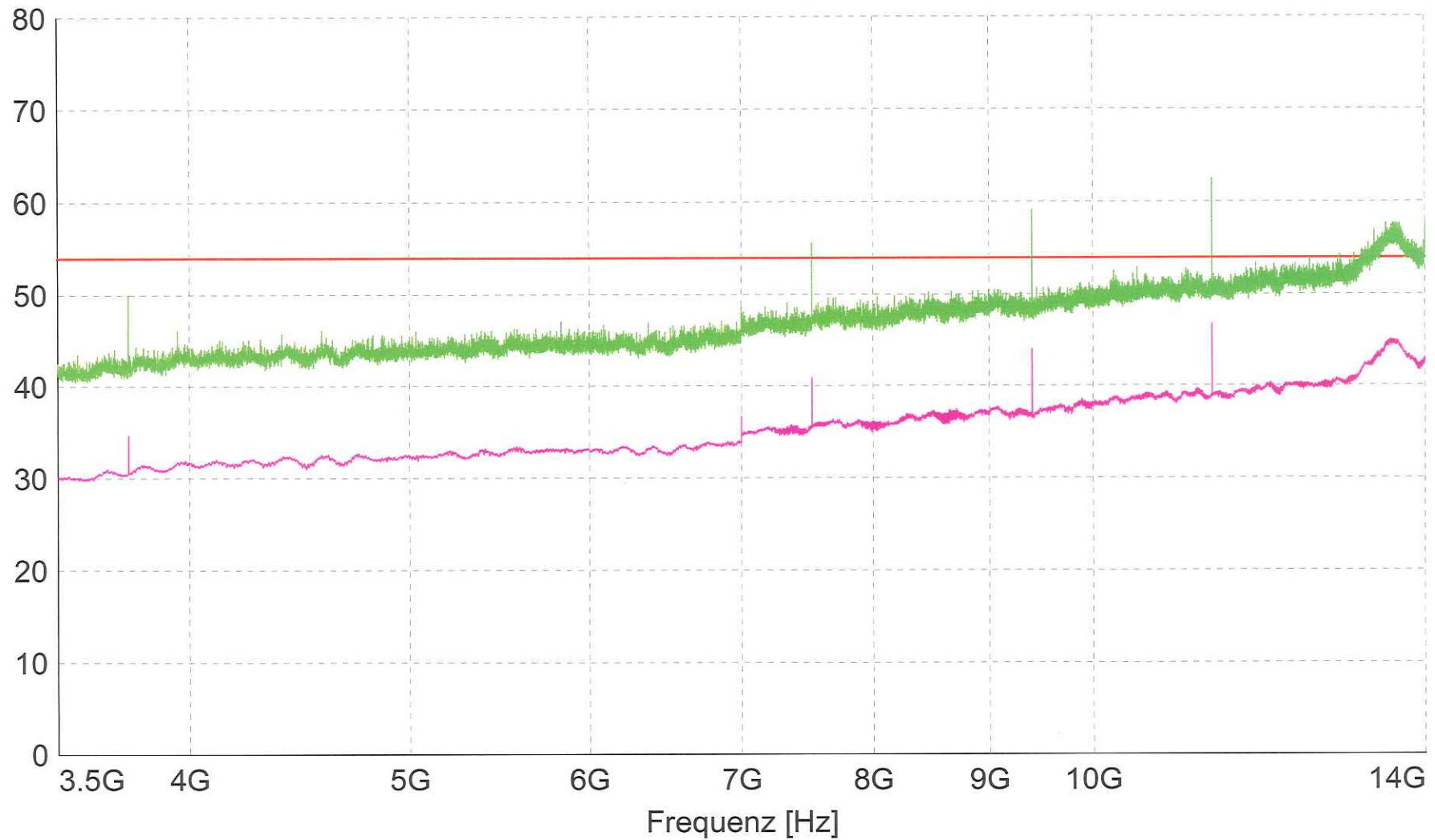
FCC ClassB, field strength 3m



— MES A733_1900_v03PK
 — MES A733_1900_v03AV
 — LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

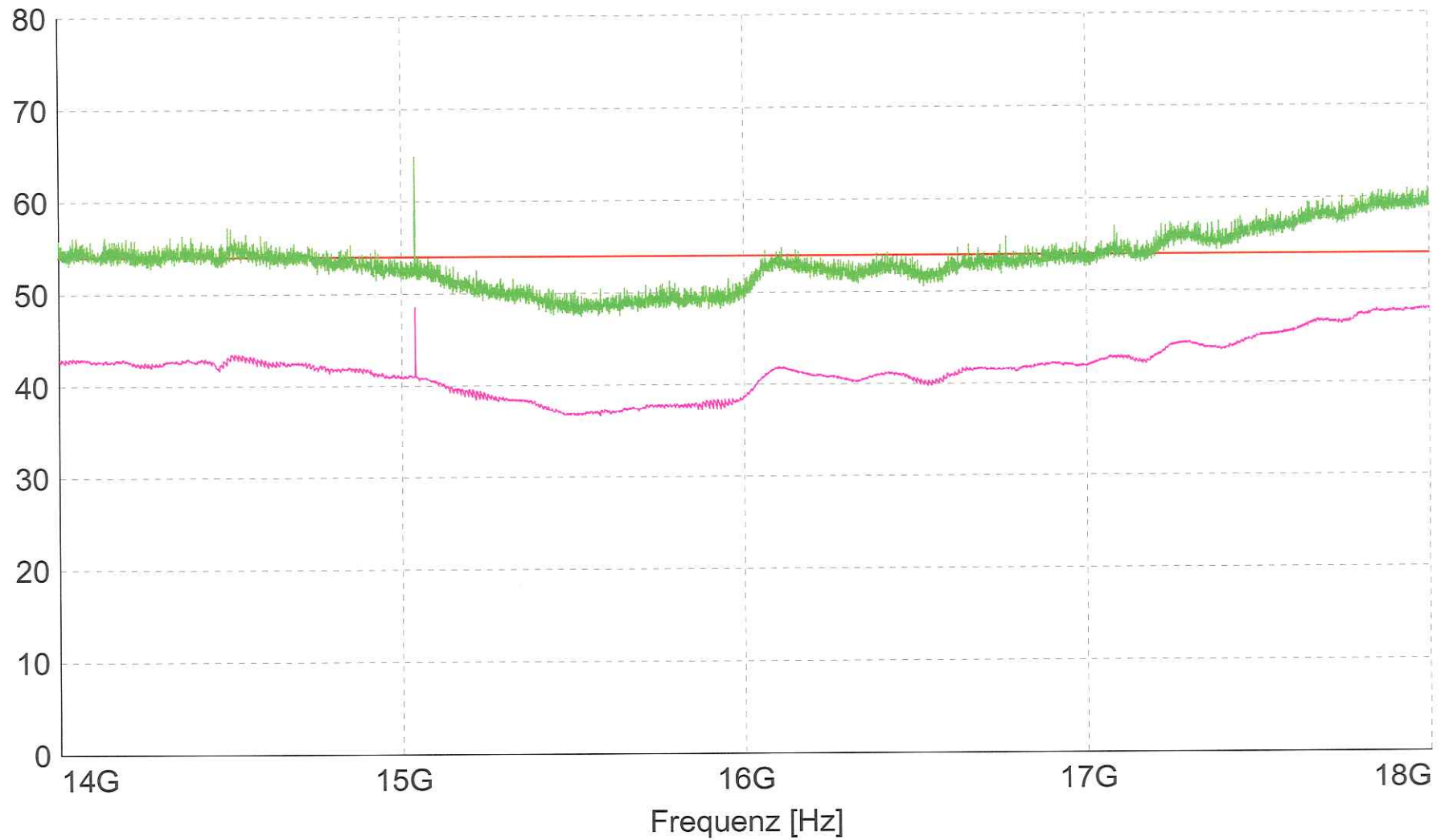
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MES A733_1900_v04PK
MES A733_1900_v04AV
LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

Pegel [dB μ V/m]



MES A733_1900_v04PK
MES A733_1900_v04AV
LIM FCC ClassB F QP/AV

FCC ClassB, field strength 3m

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