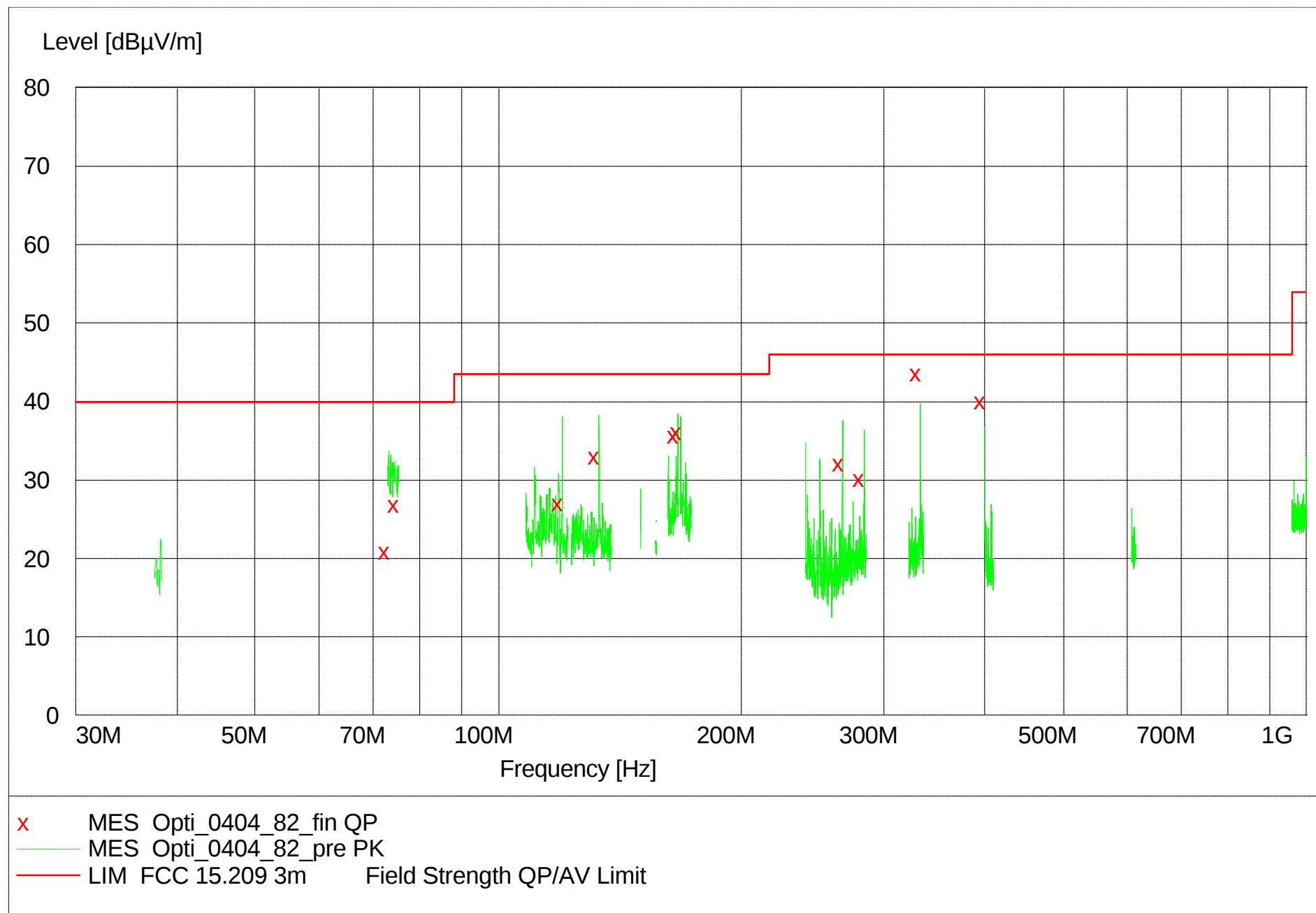


SPURIOUS EMISSION RADIATED

EUT: Magnum (37020f01) / 29.09.2004
Manufacturer: Optin
Operating Condition: TX on 2412 MHz, powered by PCMCIA of laotop
Test Site: 7 layers, Ratingen
Operator: Bou
Test Specification: FCC 15.247 (15.35b, 15.209)
Comment: vertical + horizontal polarisation
Start of Test: 29.09.04 / 11:30:10

SCAN TABLE: "FCC 15.209 Field <16"

Short Description:		FCC				
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
37.5 MHz	38.3 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
73.0 MHz	74.6 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
74.8 MHz	75.2 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
108.0 MHz	121.9 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
123.0 MHz	138.0 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
149.9 MHz	150.1 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
156.5 MHz	156.5 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
156.7 MHz	156.9 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
162.0 MHz	167.2 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
167.7 MHz	173.2 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
240.0 MHz	285.0 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
322.0 MHz	335.4 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
399.9 MHz	410.0 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
608.0 MHz	614.0 MHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562
960.0 MHz	1.0 GHz	60.0 kHz	MaxPeak	100.0 µs	120 kHz	HL562



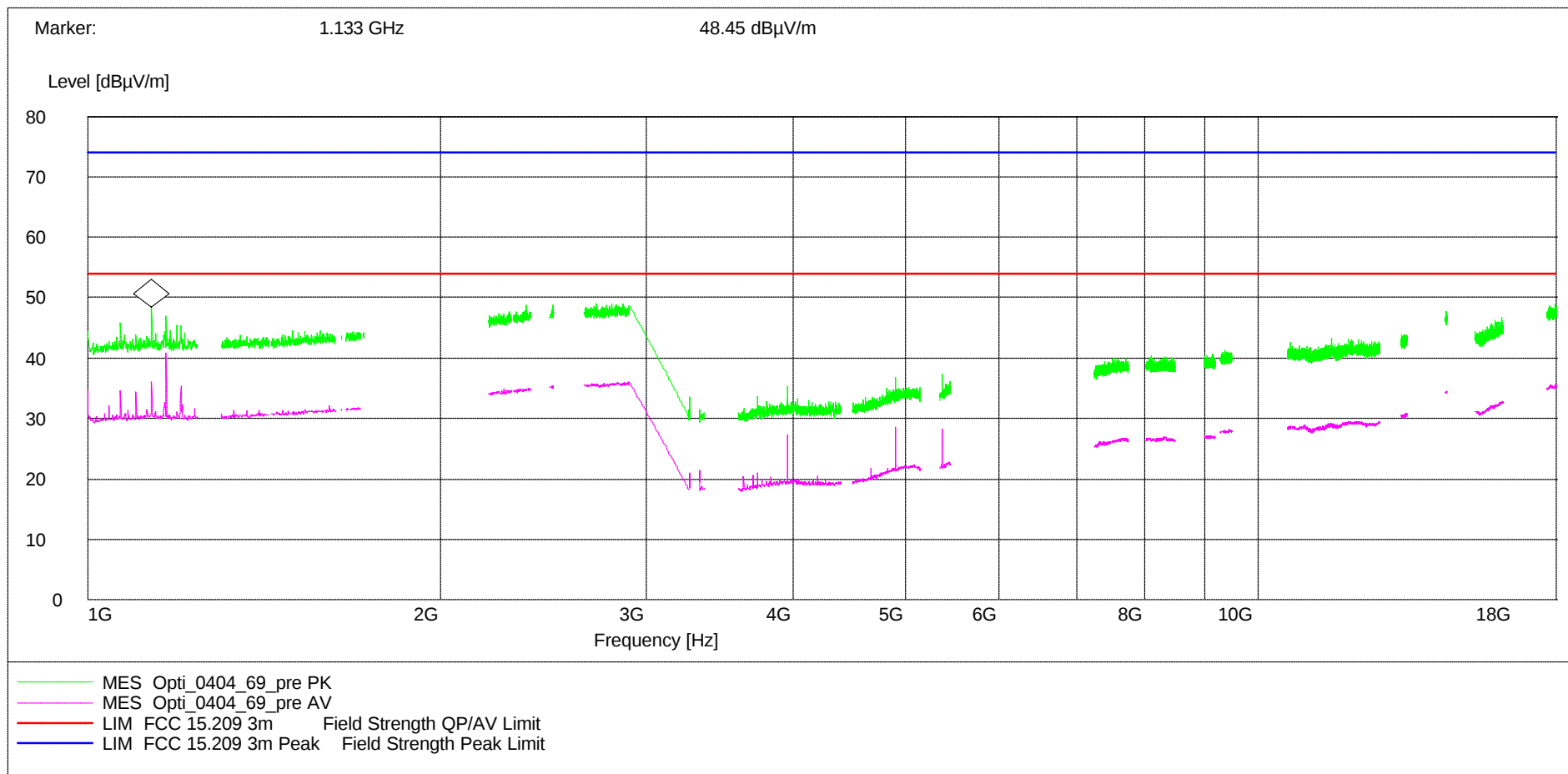
MEASUREMENT RESULT: "Opti_0404_82_fin QP"

29.09.04 12:08

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
73.180000	20.90	7.9	40.0	19.1	125.0	-114.00	VERTICAL
75.160000	26.90	8.2	40.0	13.1	174.0	-112.00	VERTICAL
120.000000	27.00	10.6	43.5	16.5	125.0	105.00	VERTICAL
133.320000	33.00	9.1	43.5	10.5	125.0	-130.00	VERTICAL
166.632500	35.70	7.8	43.5	7.8	122.0	91.00	VERTICAL
167.960000	36.10	7.8	43.5	7.4	208.0	-75.00	HORIZONTAL
266.580000	32.10	10.8	46.0	13.9	146.0	67.00	HORIZONTAL
283.260000	30.20	11.4	46.0	15.8	130.0	-112.00	HORIZONTAL
333.220000	43.60	12.9	46.0	2.4	177.0	179.00	VERTICAL
399.900000	40.00	14.6	46.0	6.0	100.0	-34.00	HORIZONTAL

SPURIOUS EMISSION RADIATED

EUT: Magnum (37020f01) /27.09.04
Manufacturer: Optin
Operating Condition: TX on 2412 MHz, powered by PCMCIA of laptop
Test Site: 7 layers Ratingen
Operator: Bou
Test Specification: FCC 15.247 (15.35b, 15.209)
Comment: vertical + horizontal antenna polarisation
vertical EUT position



SPURIOUS EMISSION RADIATE

EUT: Magnum (37020f01) / 27.09.04
Manufacturer: Optin
Operating Condition: TX on 2412 MHz, powered by PCMCIA of laptop
Test Site: 7 Layers Ratingen
Operator: Groe
Test Specification: FCC 15.247 (15.35b, 15.209)
Comment: vertical + horizontal antenna polarisation
vertical EUT position

SCAN TABLE: "FCC 15.209 C Field m"

Short Description:			FCC ClassA Field Strength			
Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1000.0 MHz	60.0 kHz	MaxPeak	100.0 ms	120 kHz	HL562
1.0 GHz	2.4 GHz	500.0 kHz	MaxPeak	100.0 ms	1 MHz	HF 906 / 001
			Average			
2.5 GHz	7.0 GHz	500.0 kHz	MaxPeak	100.0 ms	1 MHz	HF 906 / 001
			Average			
7.0 GHz	18.0 GHz	500.0 kHz	MaxPeak	100.0 µs	1 MHz	HF 906 / 001
			Average			
18.0 GHz	25.0 GHz	500.0 kHz	MaxPeak	100.0 ms	1 MHz	EMCO 3160-09
			Average			

