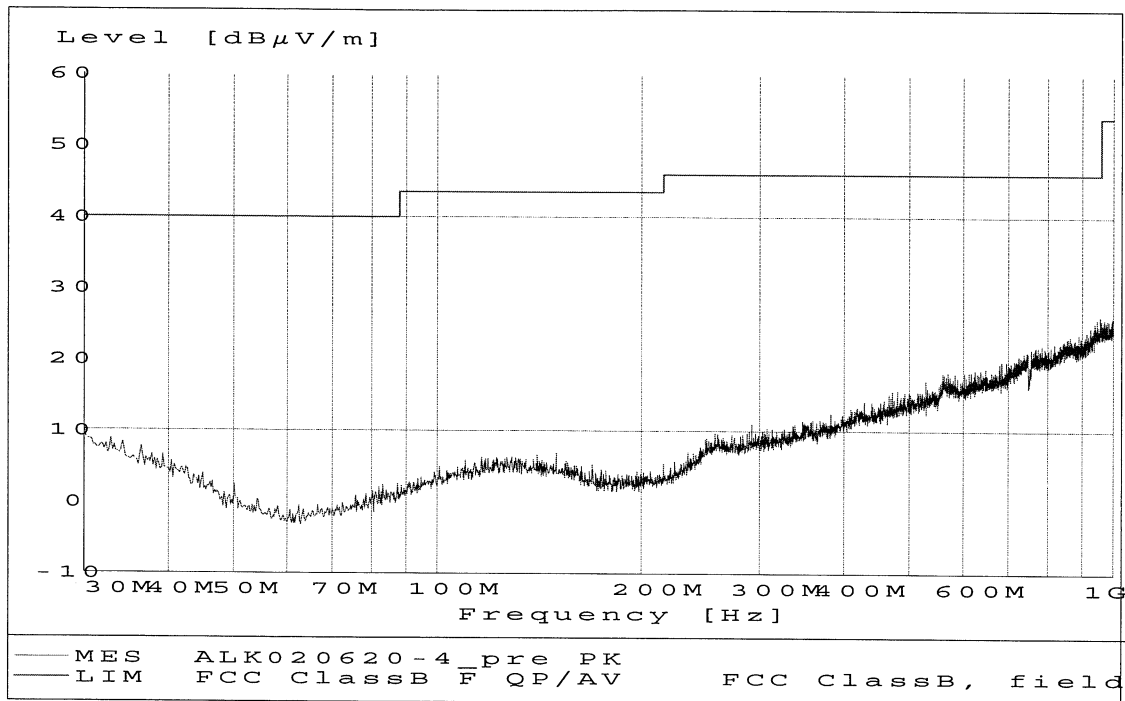


12.4 Test protocol

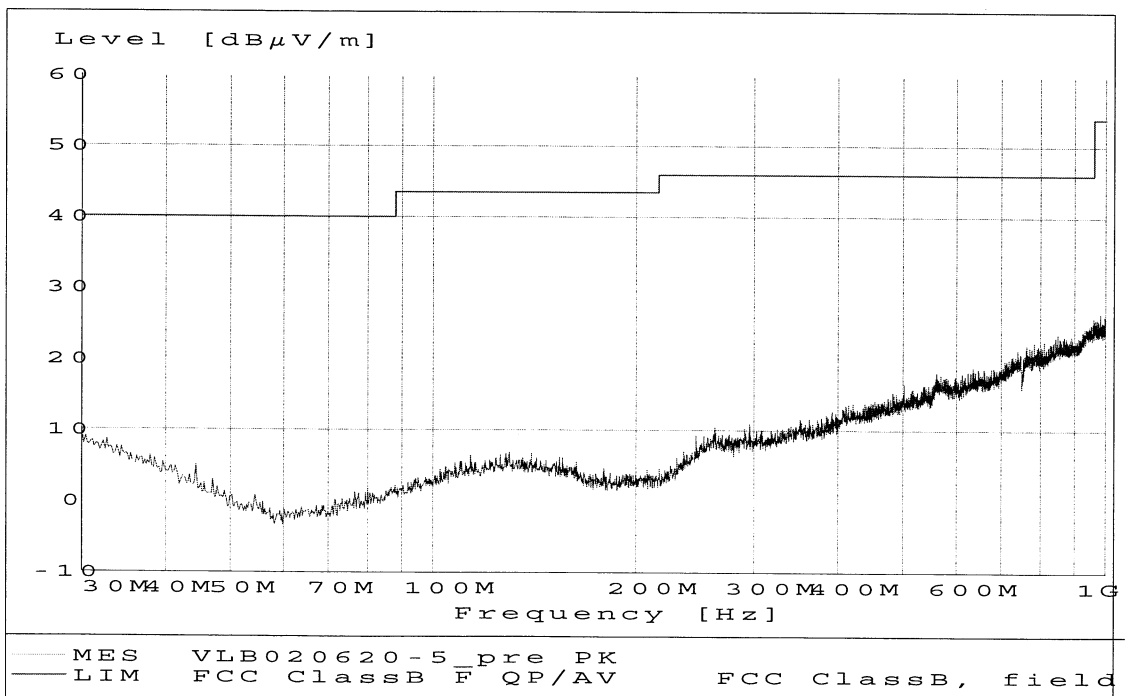
12.4.1 Semi-anechoic shielded chamber

Date of test: June 20, 2002

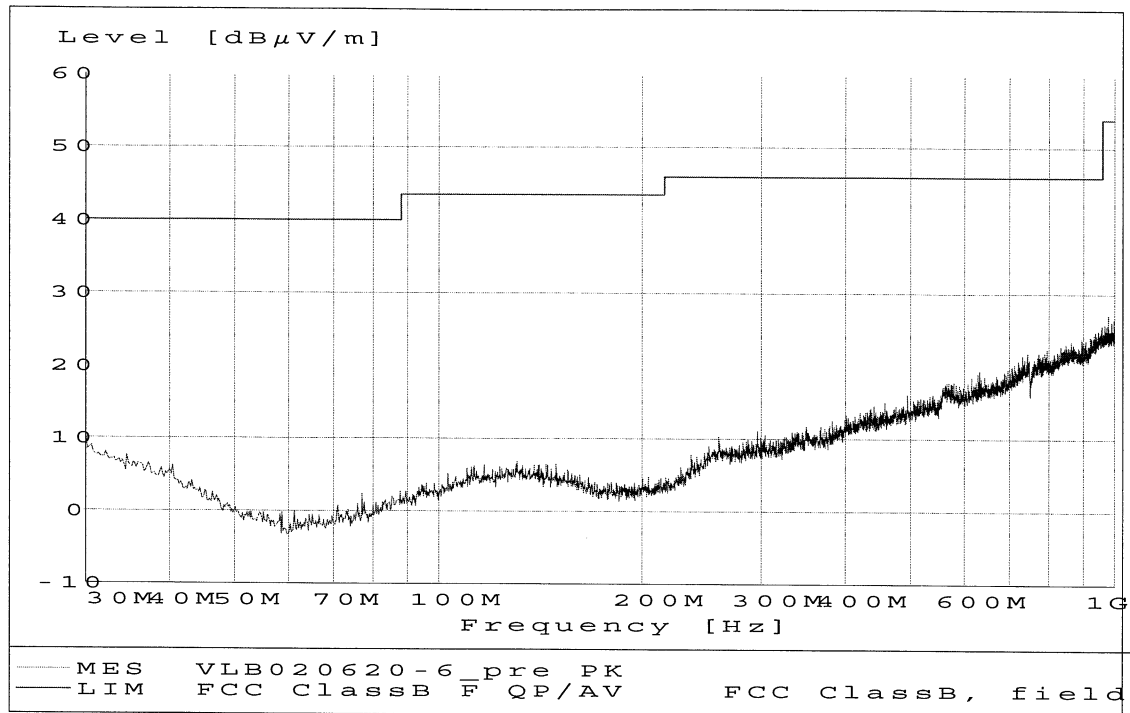
30 – 1000 MHz, max peak at a distance of 3 m on the lower TX channel



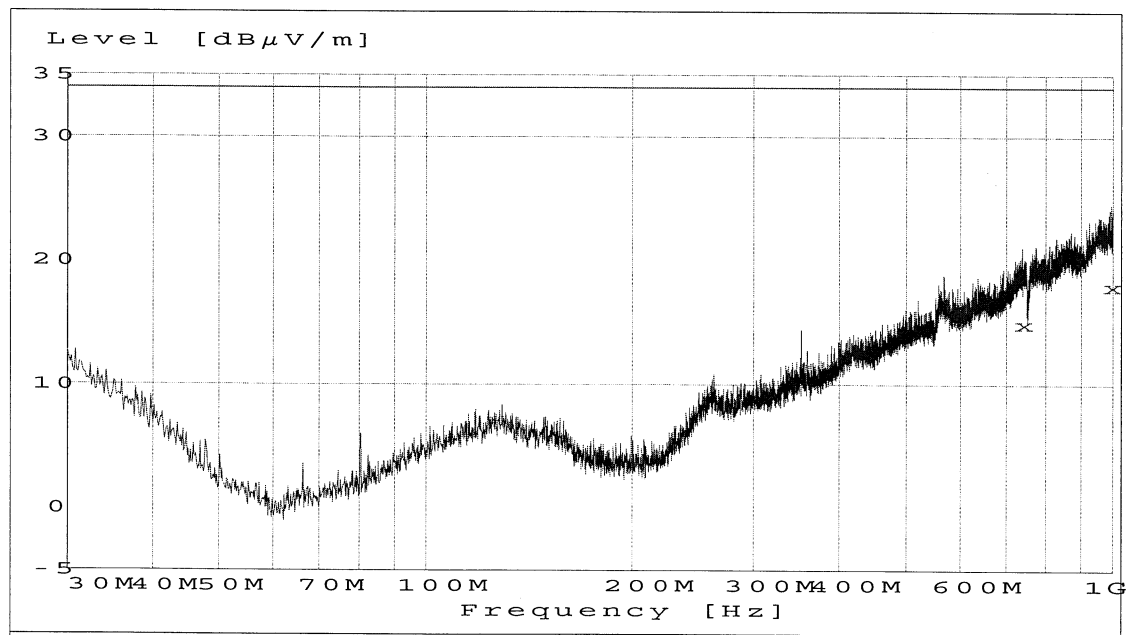
30 – 1000 MHz, max peak at a distance of 3 m on the middle TX channel



30 – 1000 MHz, max peak at a distance of 3 m on the upper TX channel



30 – 1000 MHz, max peak at a distance of 10 m in the stand by mode



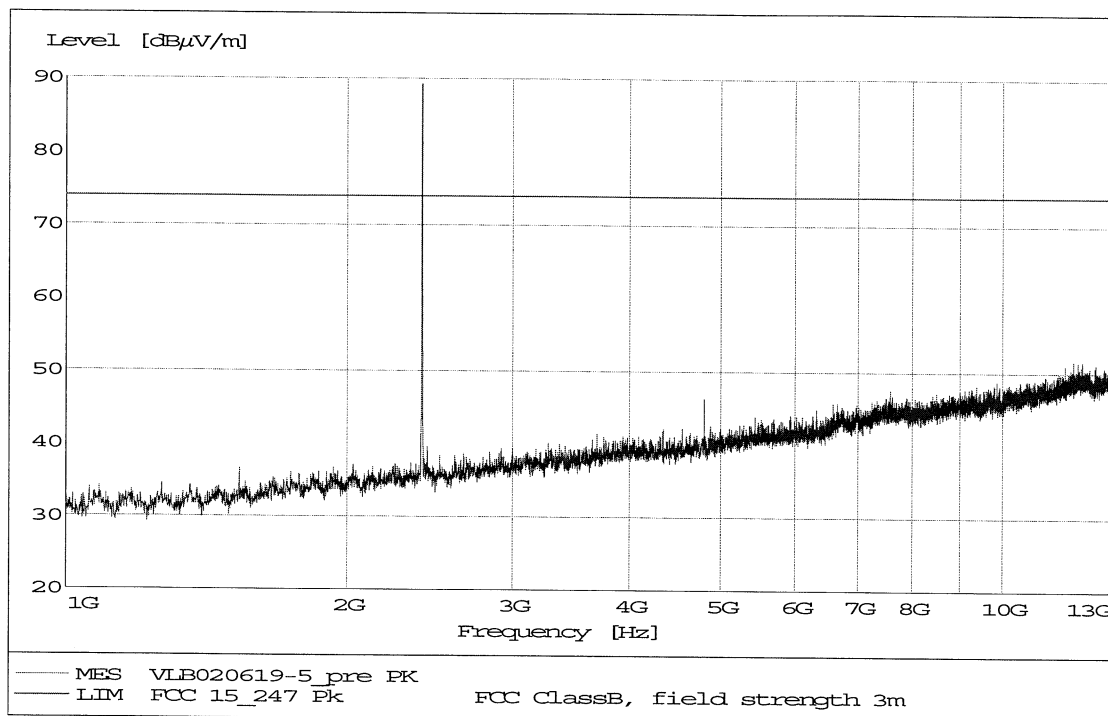
FCC limit lines in stand by mode at a distance of 10m:

30-88 MHz	30 dBμV/m
88-216 MHz	34 dBμV/m
216-960 MHz	36 dBμV/m
960 MHz -	44 dBμV/m

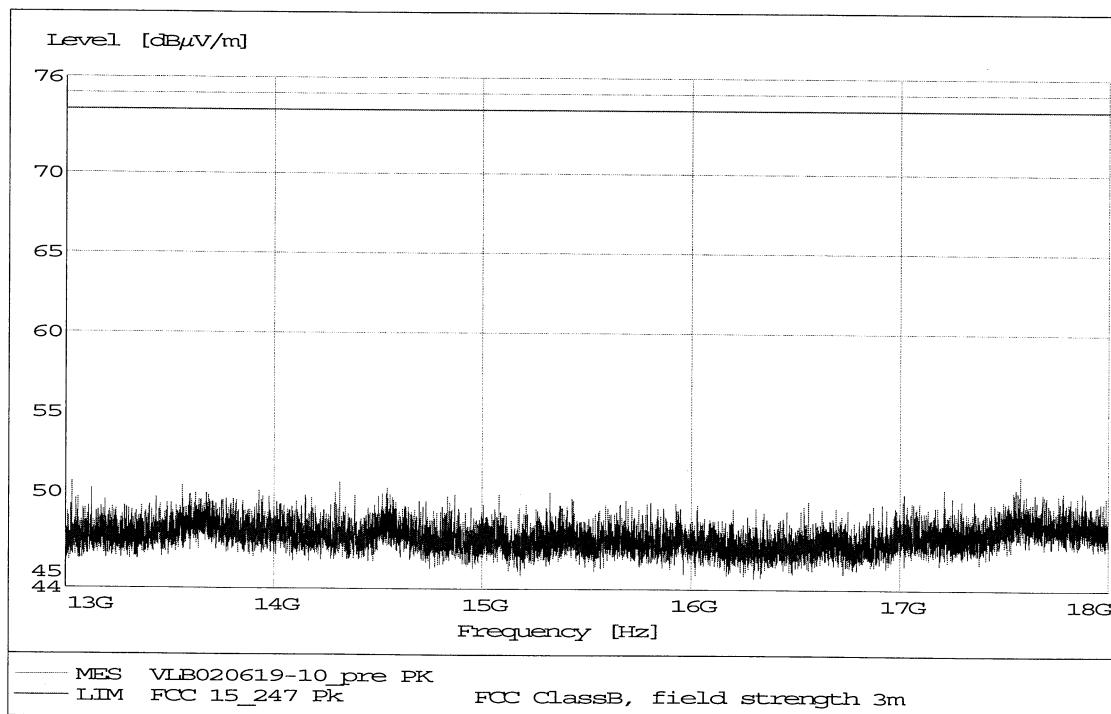
12.4.2 Bluetooth anechoic shielded chamber

Date of test: June 19, 2002

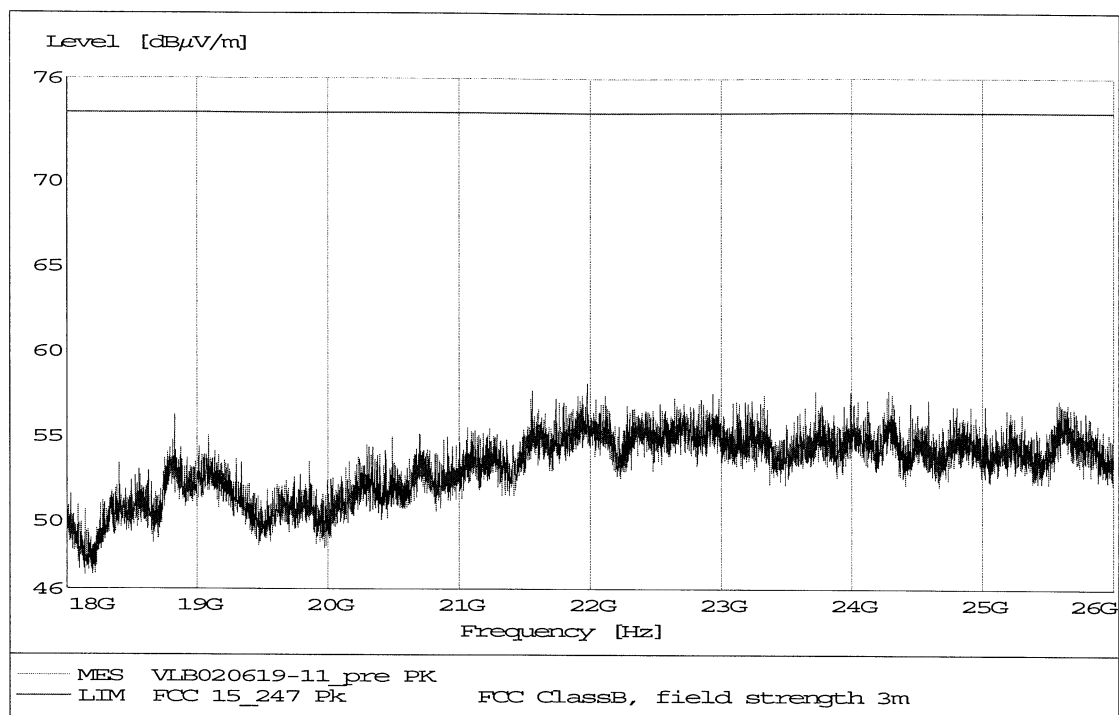
1 – 13 GHz, peak detection at a distance of 3 m; TX mode, lower channel



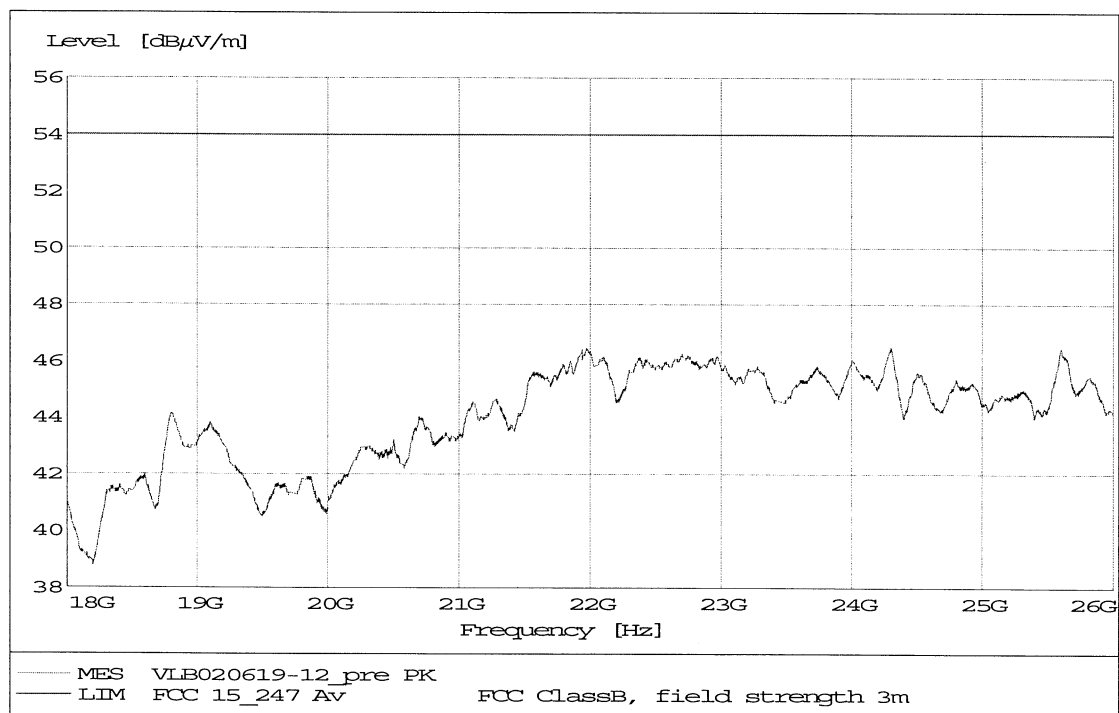
13 – 18 GHz, peak detection at a distance of 3 m; TX mode, lower channel



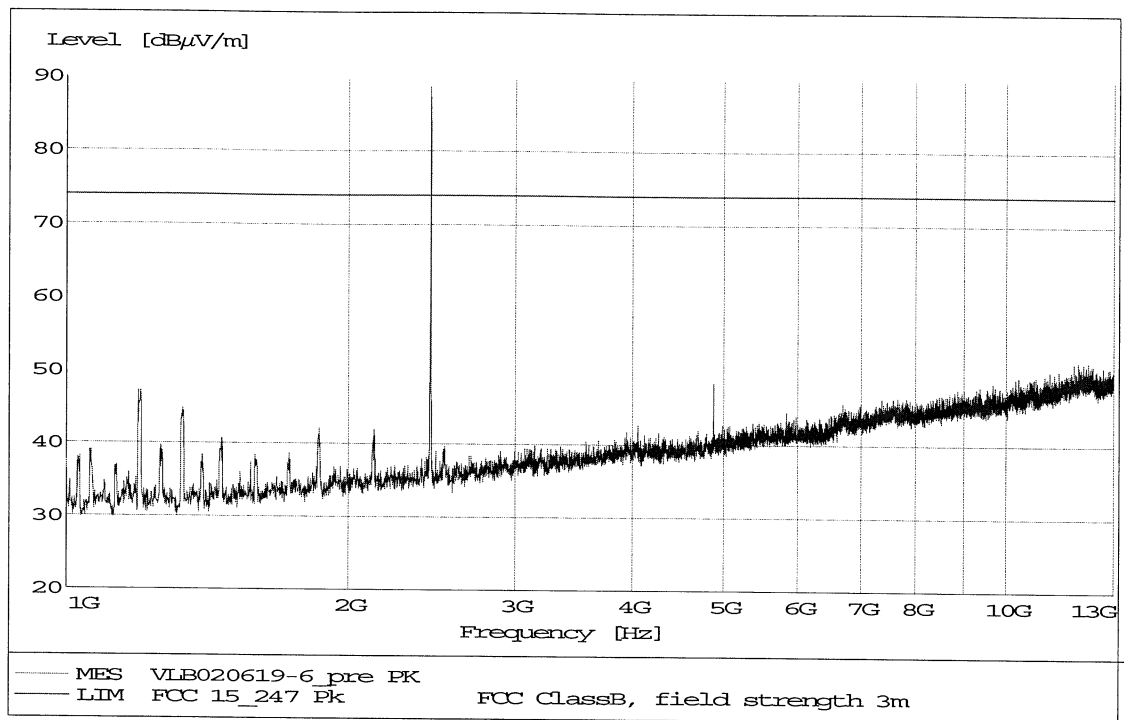
18 – 26 GHz, peak detection at a distance of 3 m; TX mode, lower channel



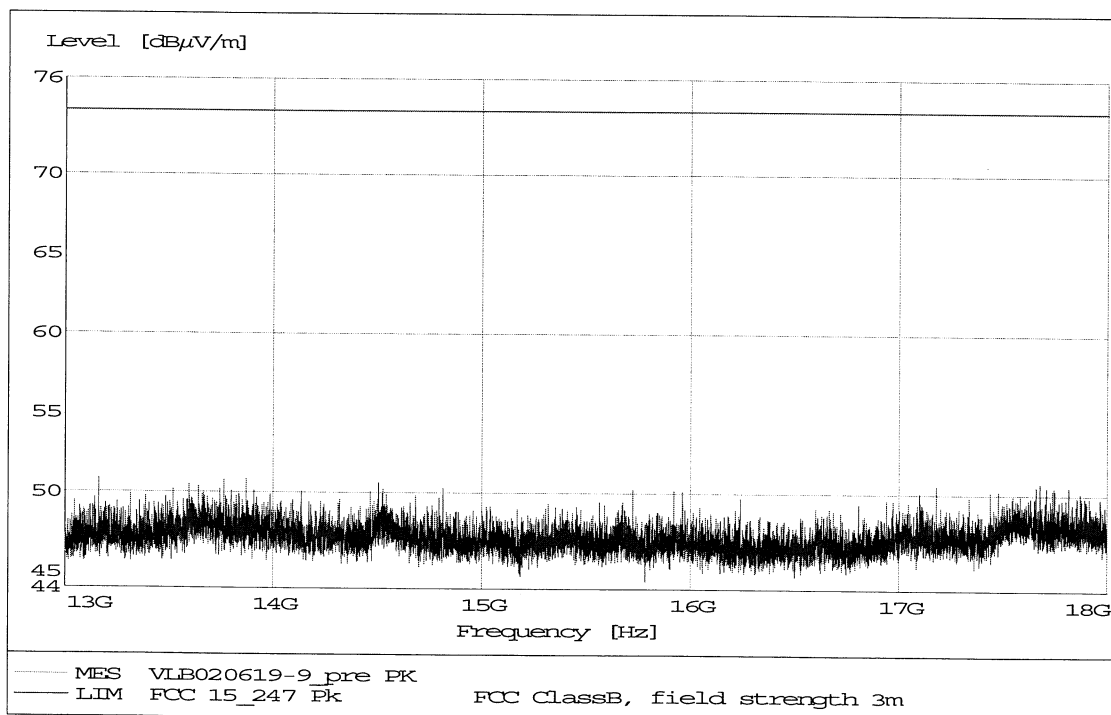
18 – 26 GHz, average detection at a distance of 3 m; TX mode, lower channel



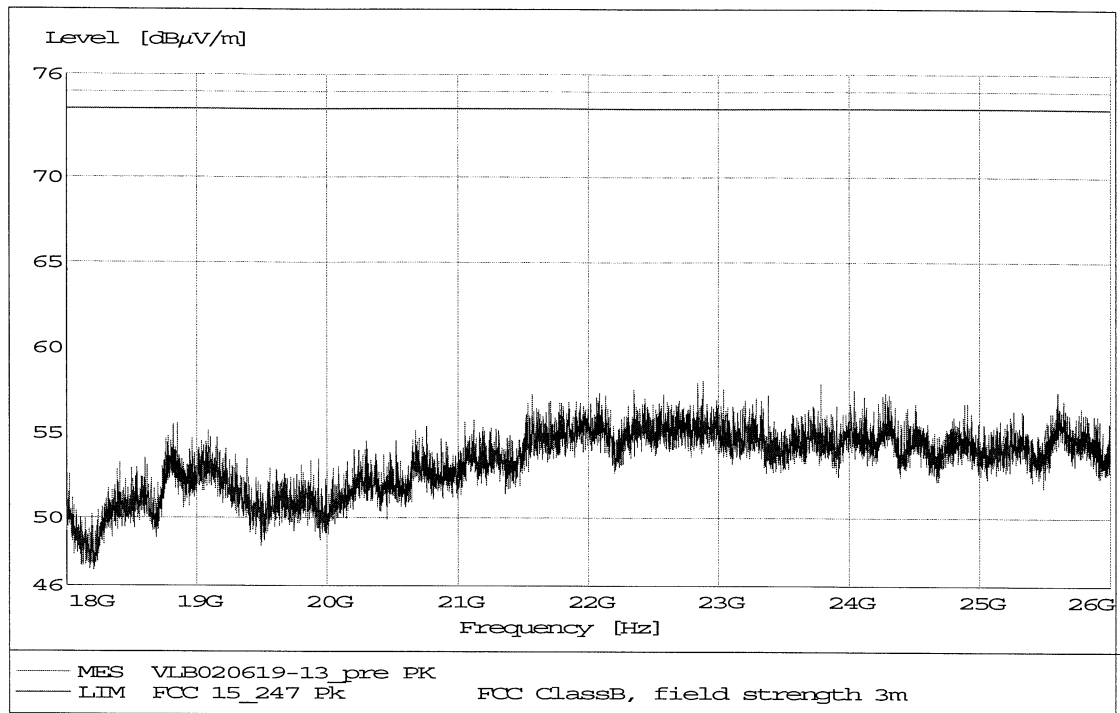
1 – 13 GHz, peak detection at a distance of 3 m; TX mode, middle channel



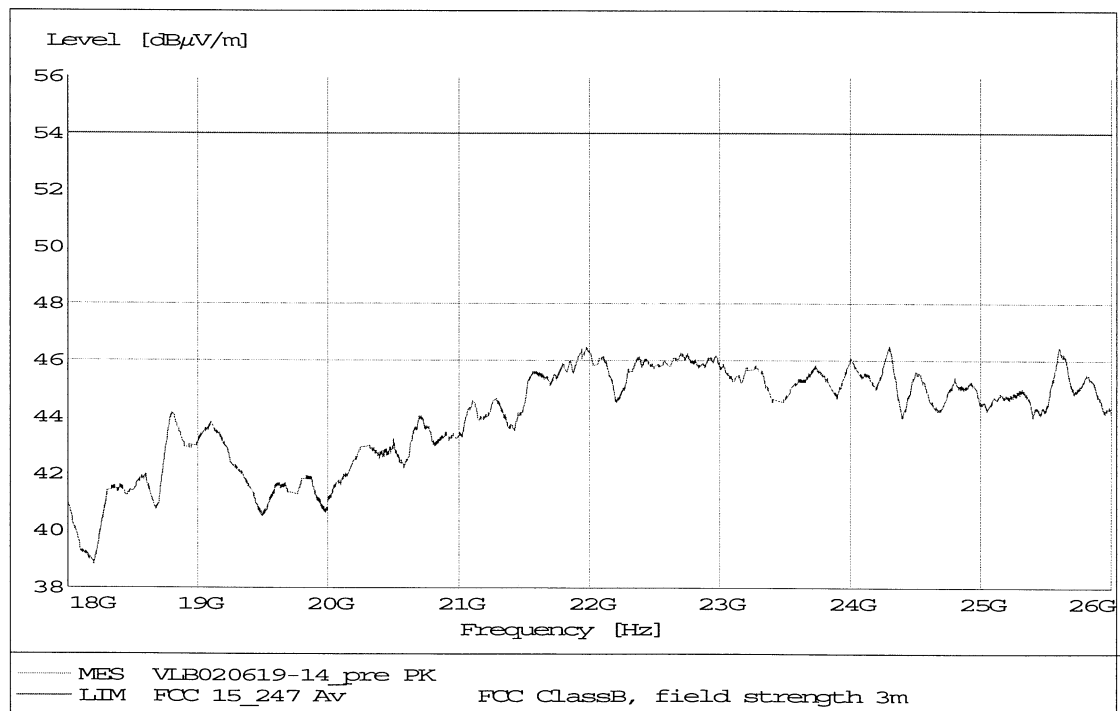
13 – 18 GHz, peak detection at a distance of 3 m; TX mode, middle channel



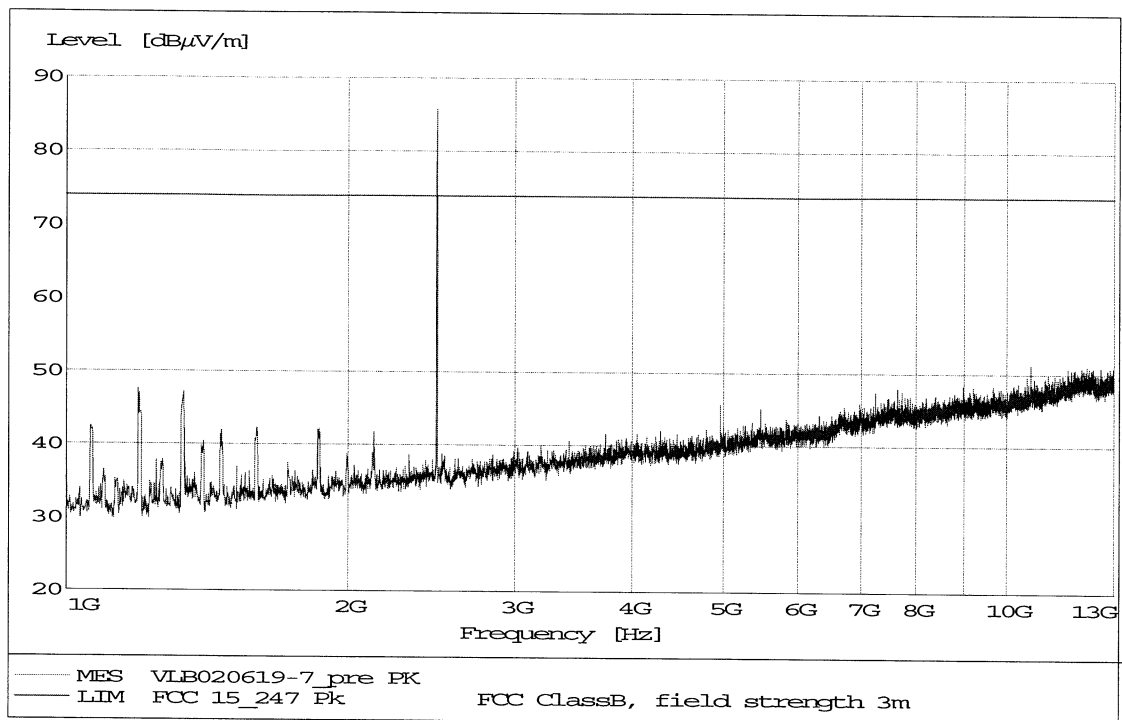
18 – 26 GHz, peak detection at a distance of 3 m; TX mode, middle channel



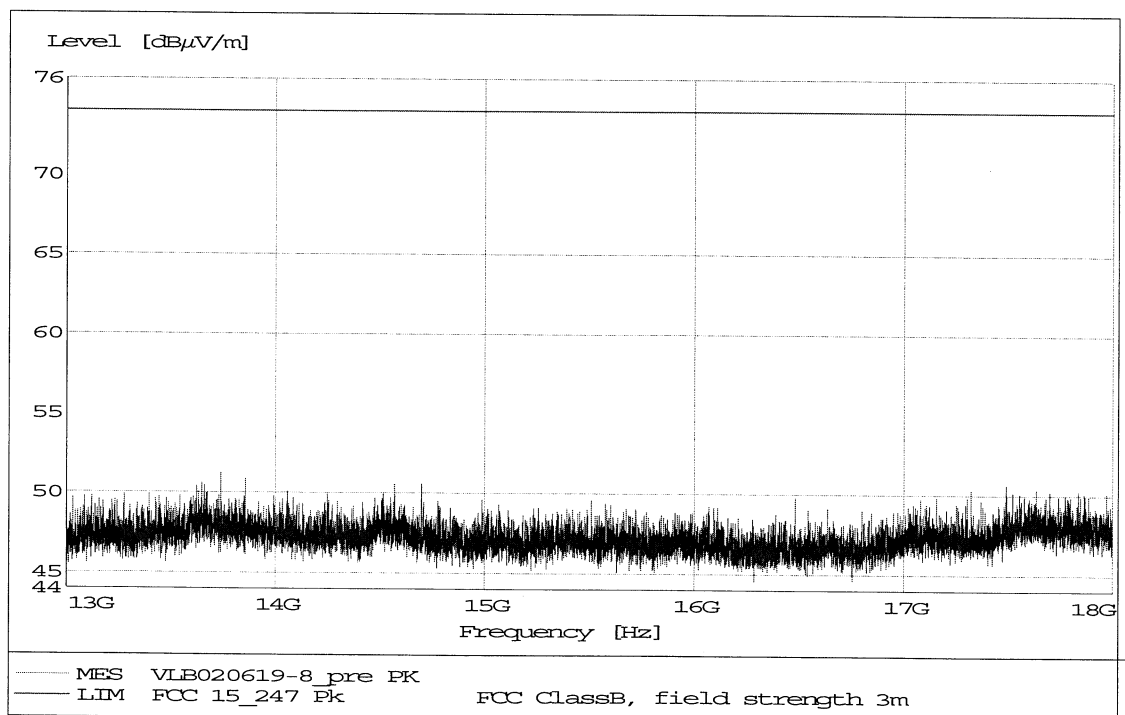
18 – 26 GHz, average detection at a distance of 3 m; TX mode, middle channel



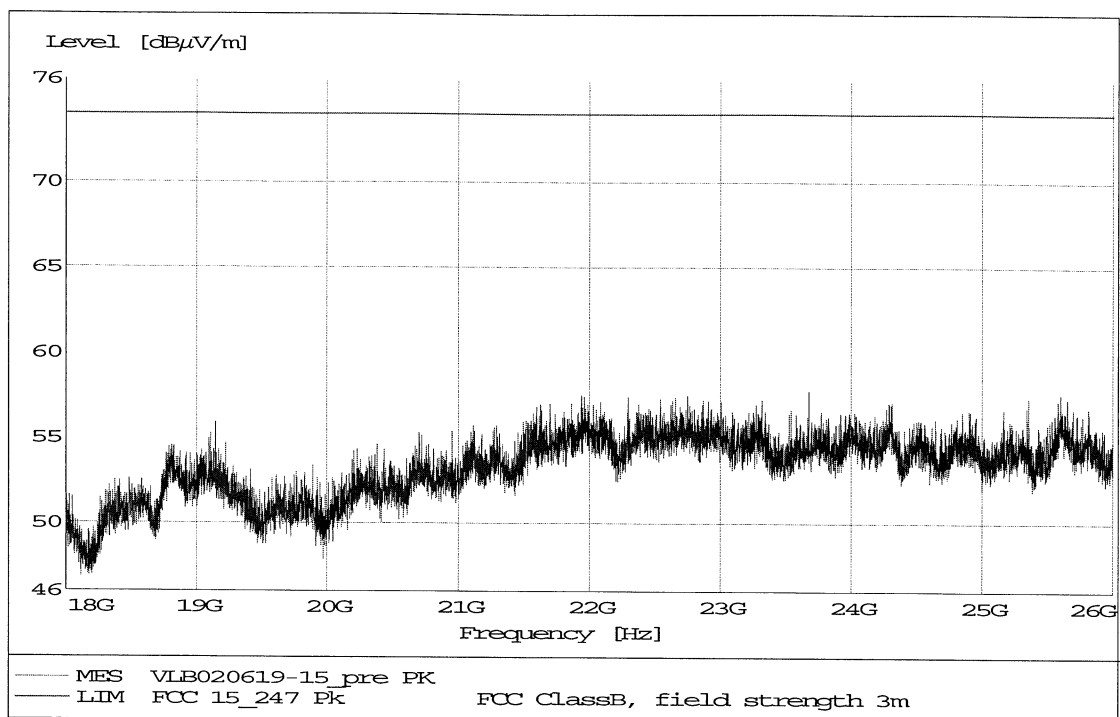
1 – 13 GHz, peak detection at a distance of 3 m; TX mode, upper channel



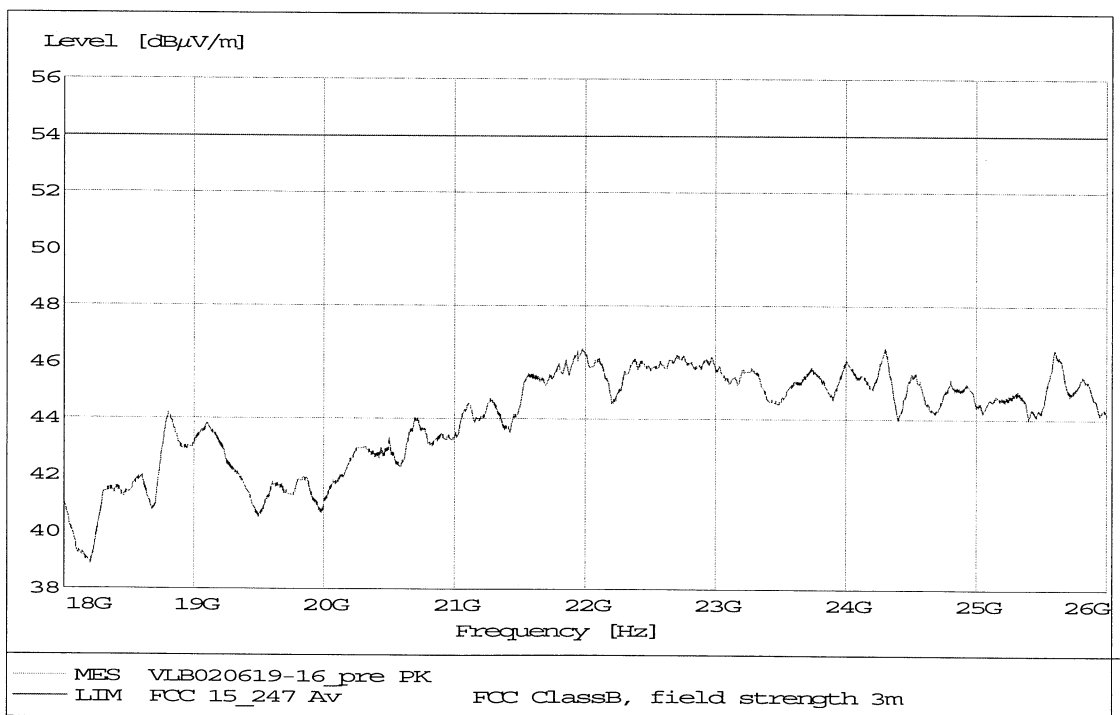
13 – 18 GHz, peak detection at a distance of 3 m; TX mode, upper channel



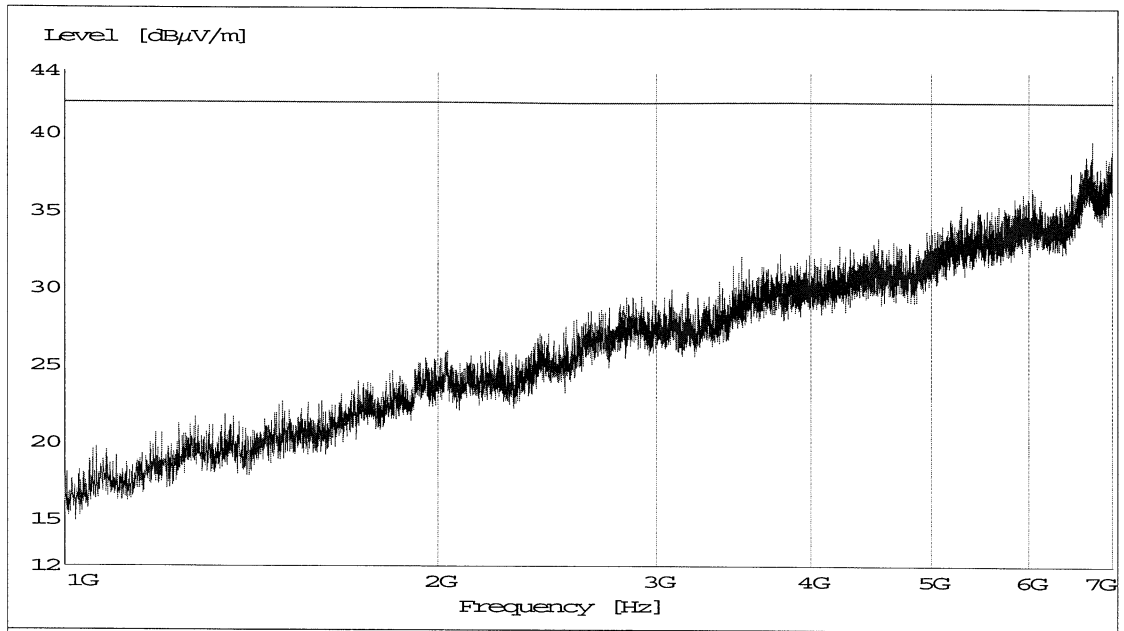
18 – 26 GHz, peak detection at a distance of 3 m; TX mode, upper channel



18 – 26 GHz, average detection at a distance of 3 m; TX mode, upper channel

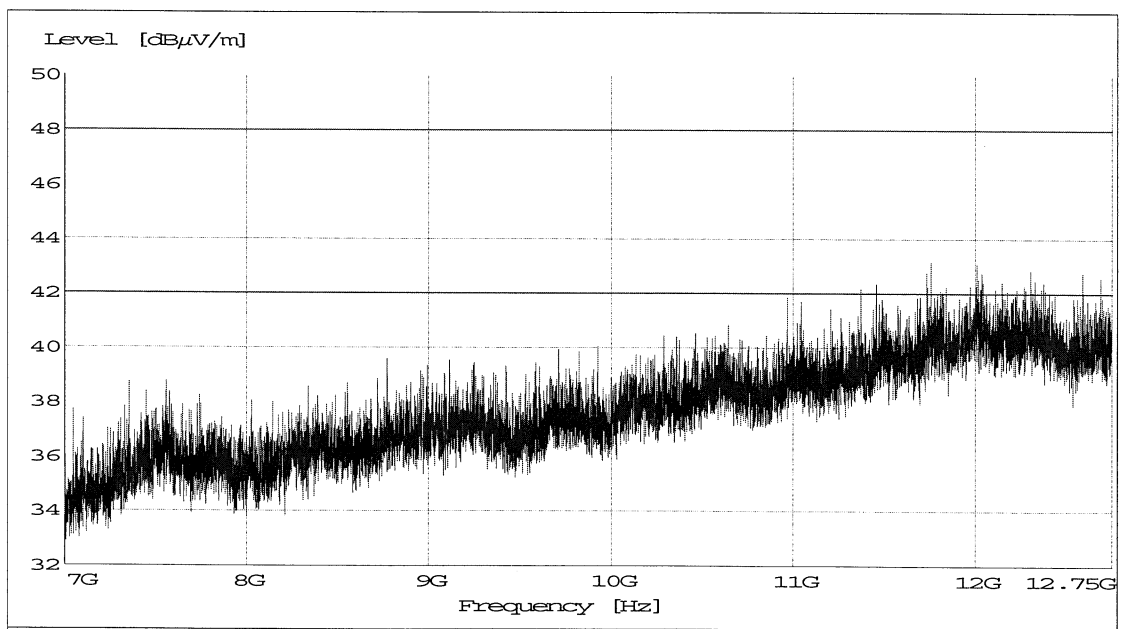


1000 – 7000 MHz, max peak at a distance of 3 m in the stand by mode



FCC limit line in standby mode, 54dBμV/m.

7000 – 12750 MHz, max peak at a distance of 3 m in the stand by mode



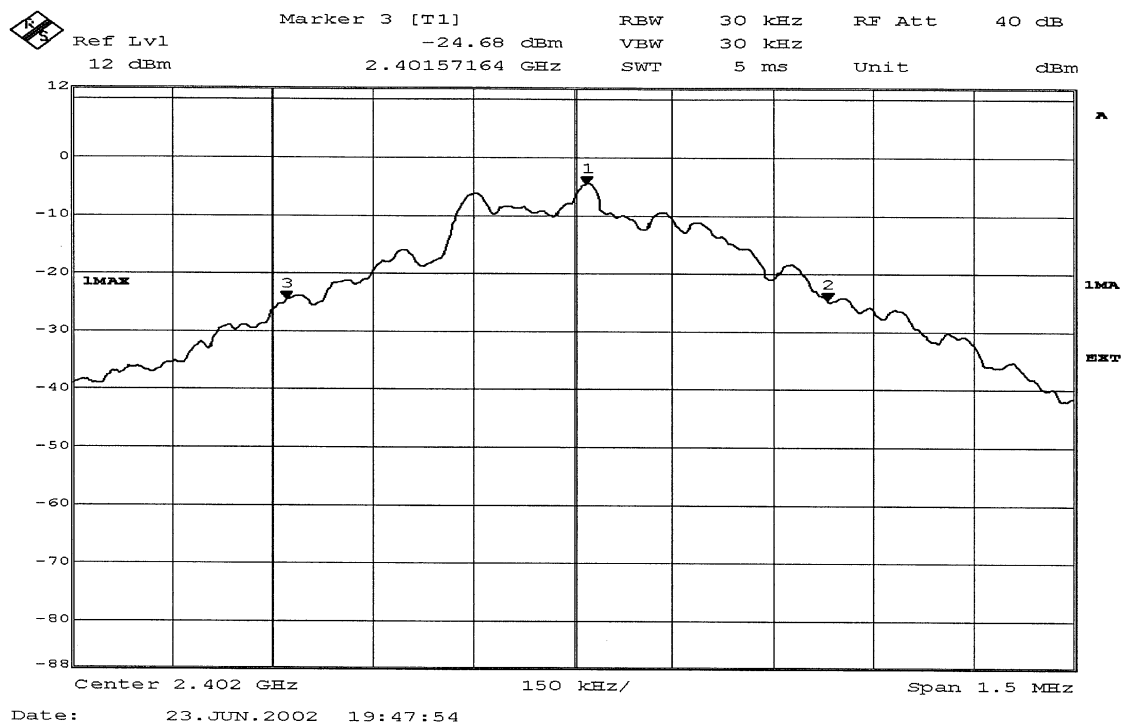
FCC limit line in standby mode, 54dBμV/m.

Field strength of spurious emissions						
Frequency [MHz]	RBW [kHz]	Measured level		Limit		Note
		Peak [dB μ V/m]	QP/AV [dB μ V/m]	Peak [dB μ V/m]	QP/AV [dB μ V/m]	
30 – 88	120	< 10	-	-	40	
88 – 216	120	< 8	-	-	43,5	
216 – 960	120	< 25	-	-	46	
1061	1000	42,5	-	74	54	
1191	1000	47,6	-	74	54	
1333	1000	47,2	-	74	54	
1463	1000	41,9	-	74	54	
1596	1000	42,3	-	74	54	
1861	1000	42,2	-	74	54	
2130	1000	41,9	-	74	54	
4883	1000	48,5	-	74	54	
5000 – 18000	1000	< 52	-	74	54	
18000 – 26000	1000	< 58	< 47	74	54	

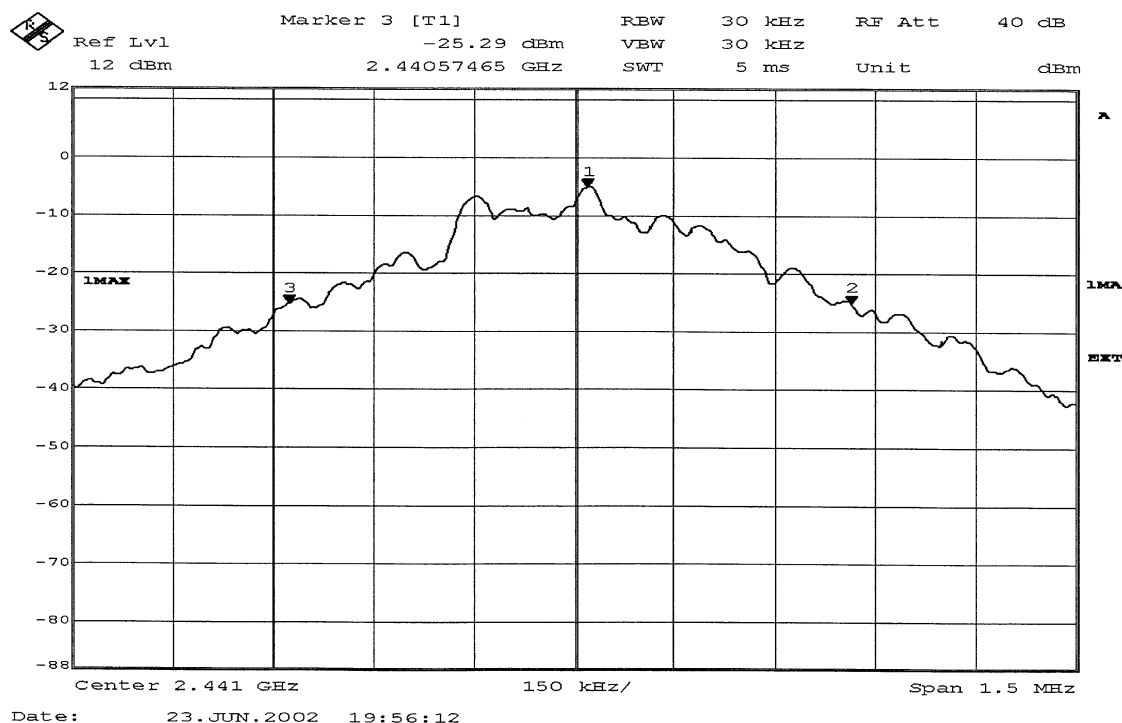
Fulfil requirements: Yes

APPENDIX I – MEASUREMENT PLOTS

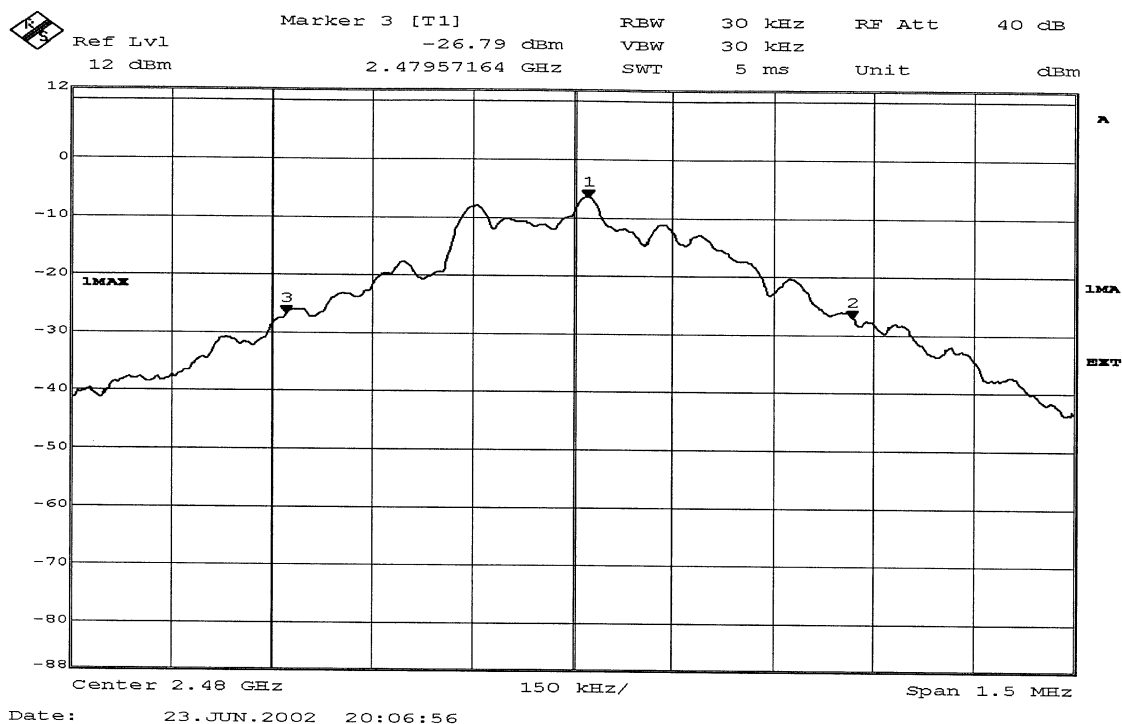
TX Output Spectrum – 20 dB Bandwidth, lower channel



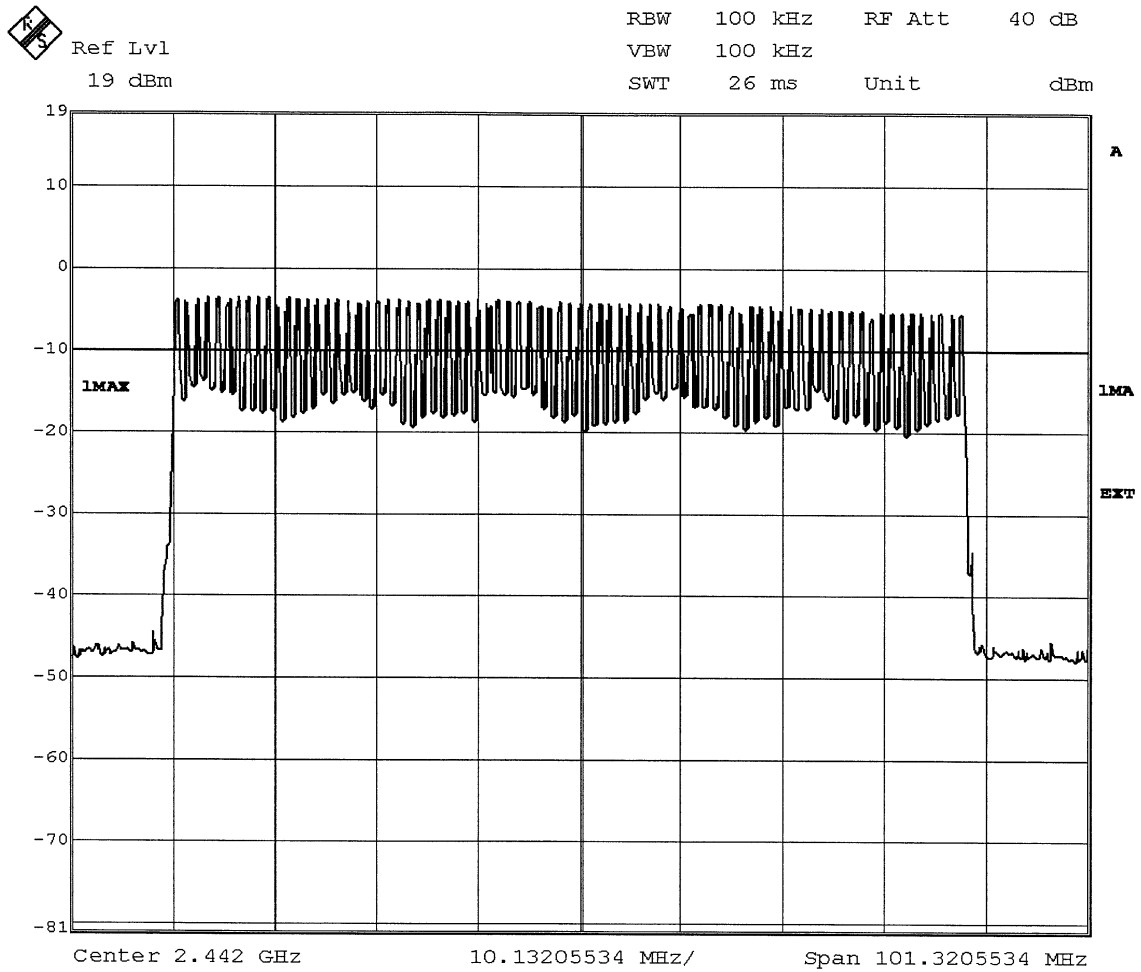
TX Output Spectrum – 20 dB Bandwidth, middle channel



TX Output Spectrum – 20 dB Bandwidth, upper channel

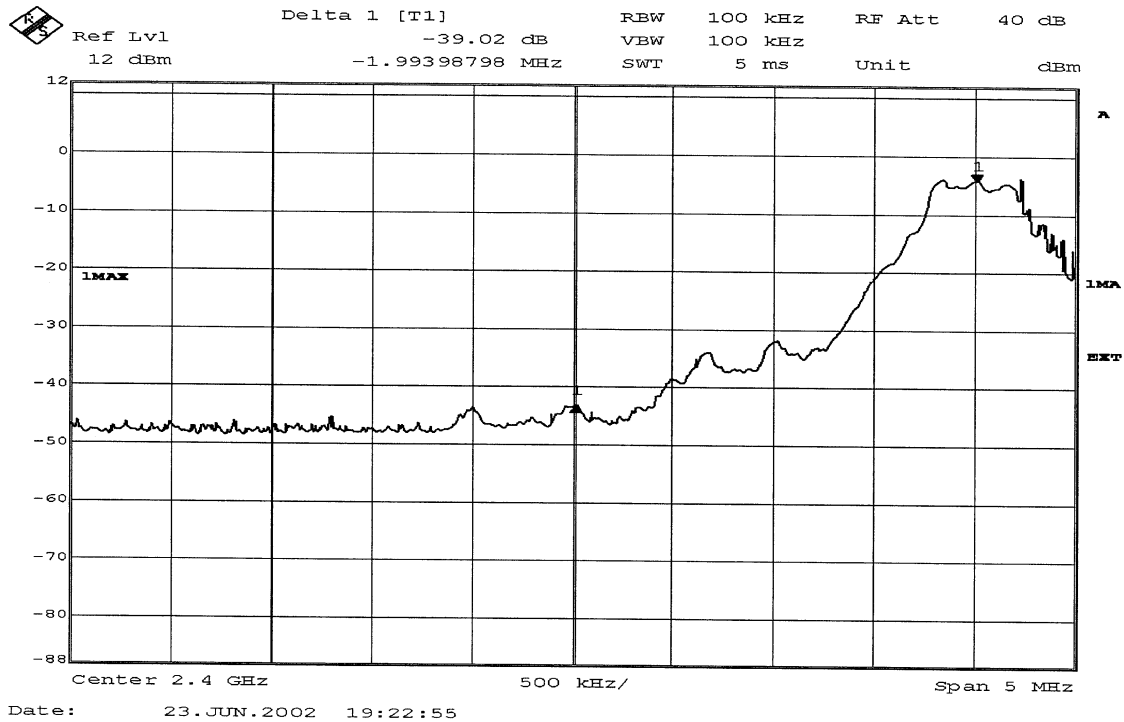


Number of Hopping Channels (79)

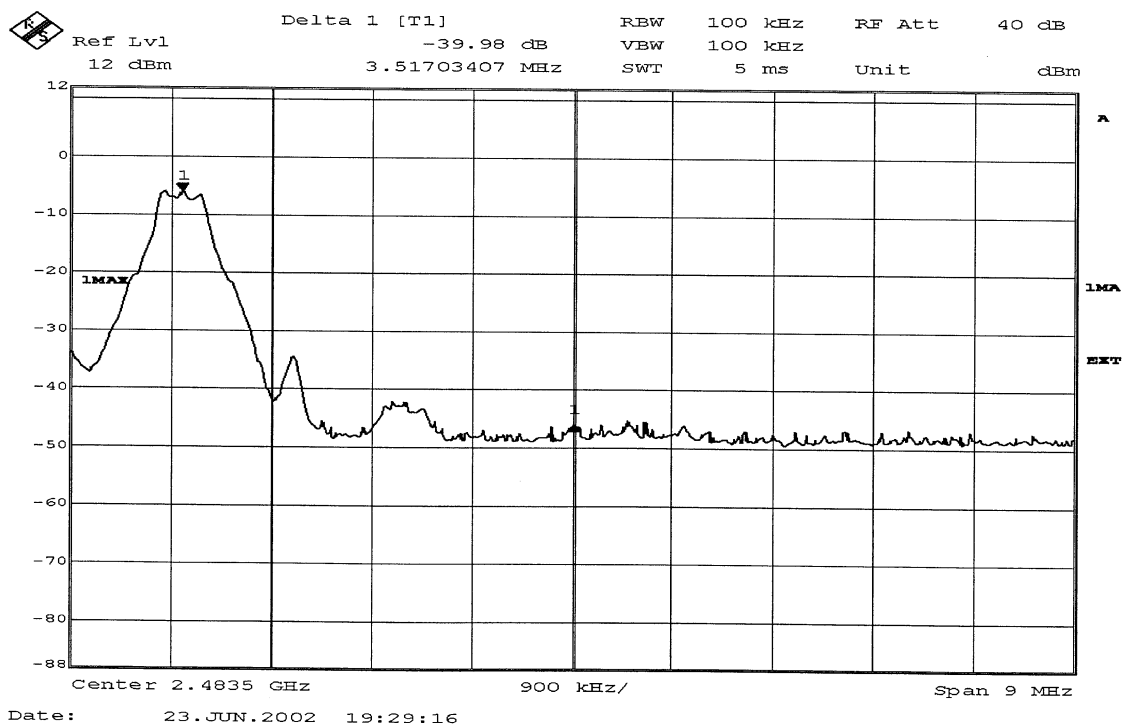


Date: 26.JUN.2002 17:18:57

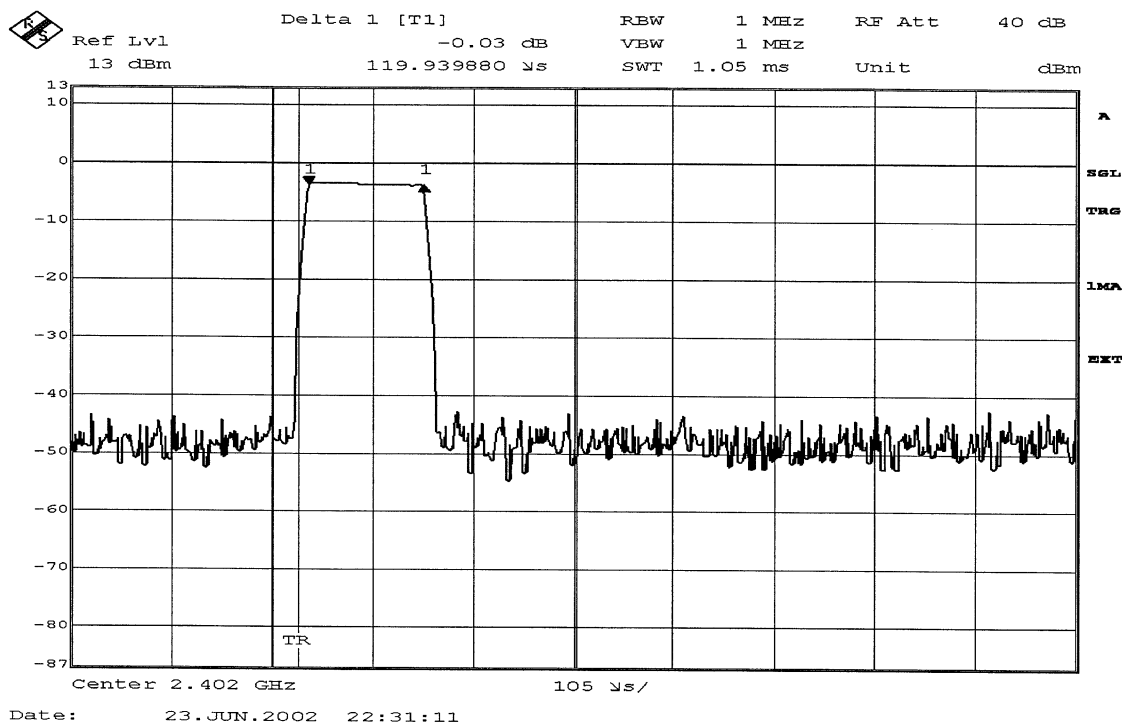
Band Edge Compliance at 2400 MHz



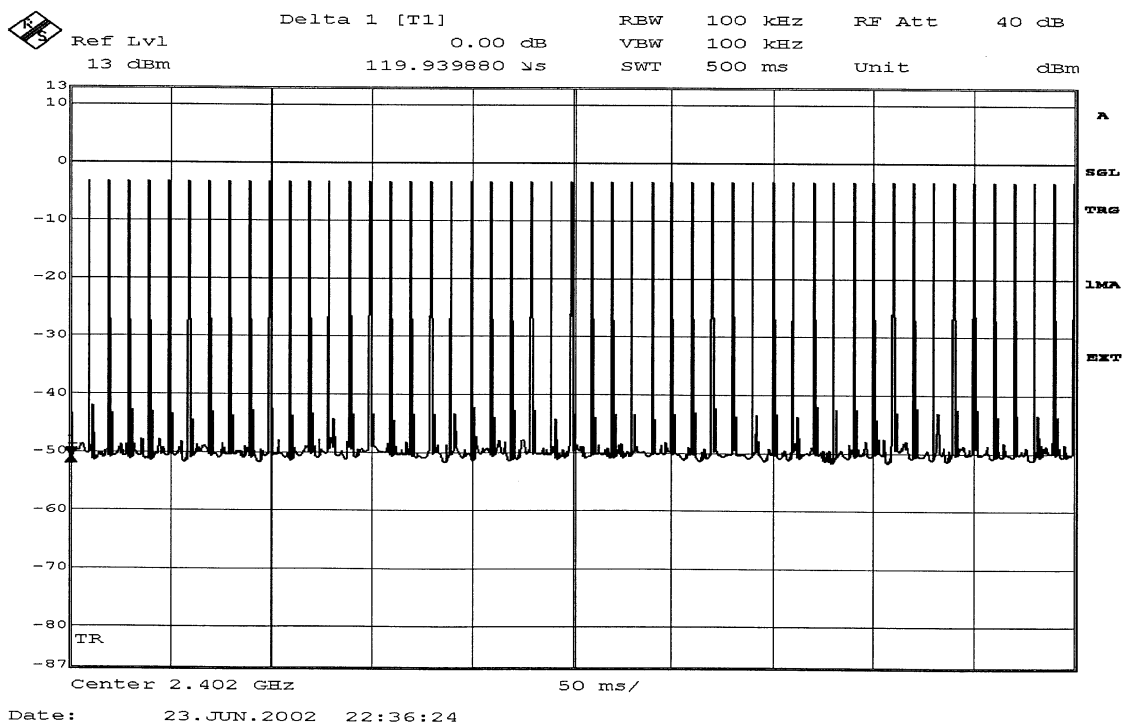
Band Edge Compliance at 2483,5 MHz



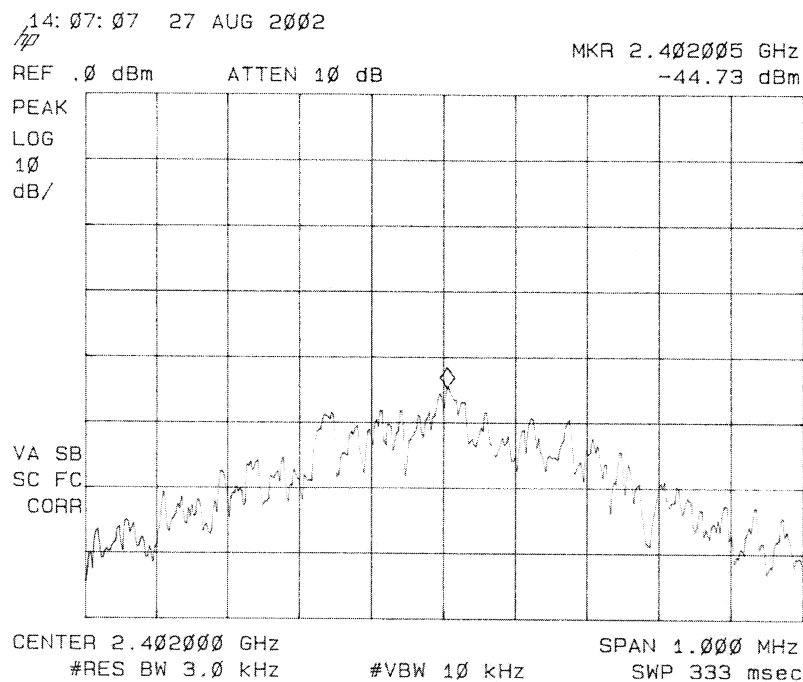
Time of Occupancy (dwell time), channel 1 – determination of T



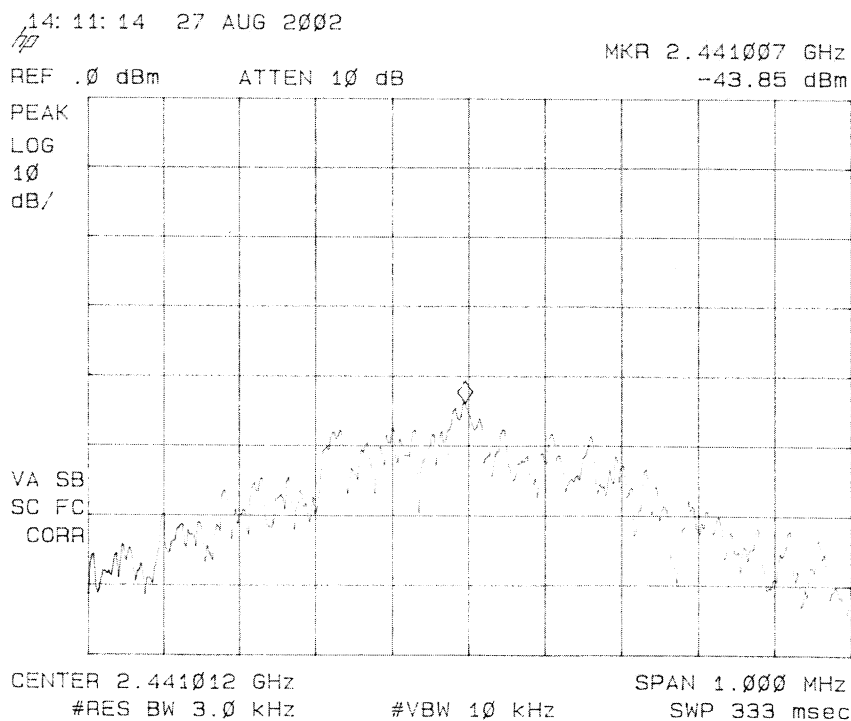
Time of Occupancy (dwell time), channel 1 – determination of n



Peak Power Density – lowest frequency (2402 MHz)



Peak Power Density – middle frequency (2441 MHz)



Peak Power Density – highest frequency (2480 MHz)

