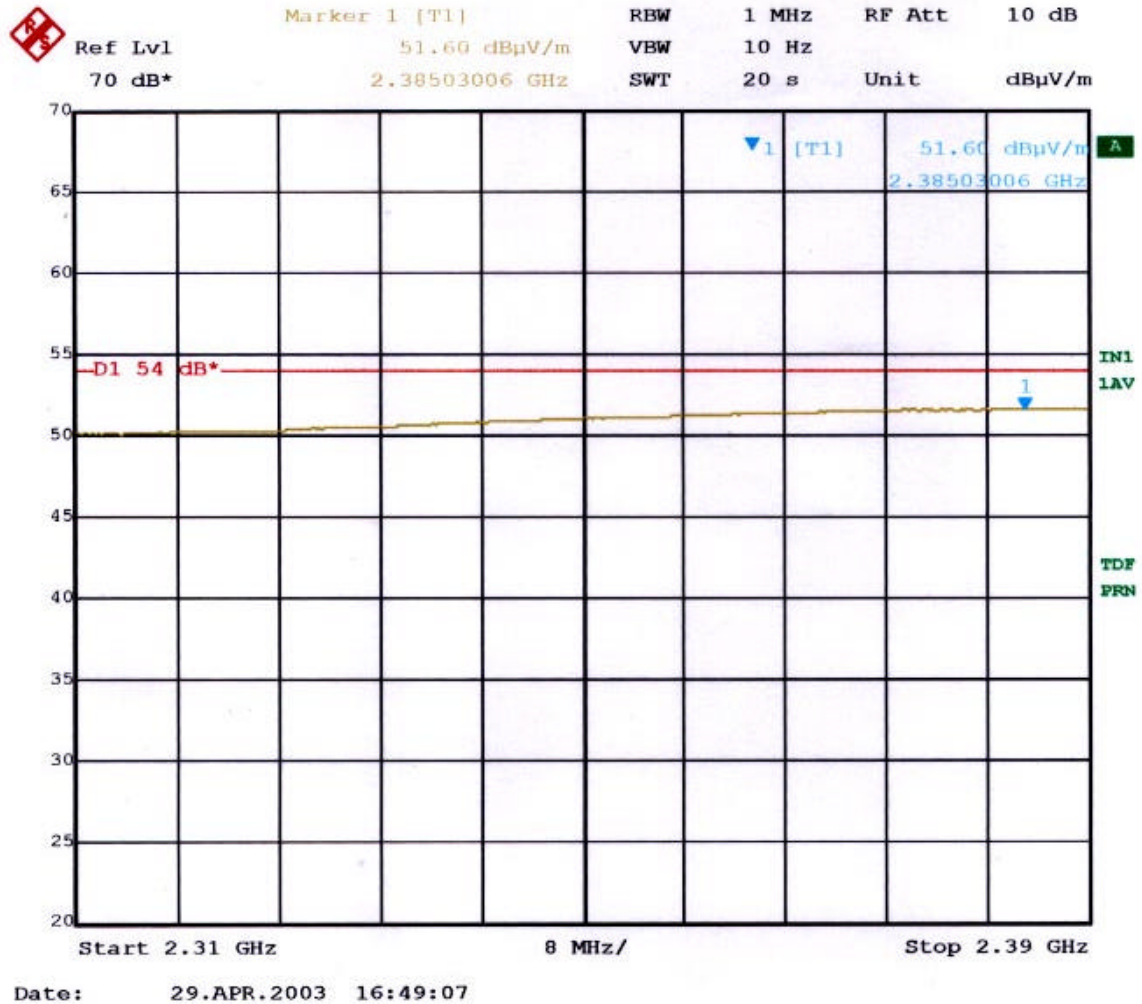
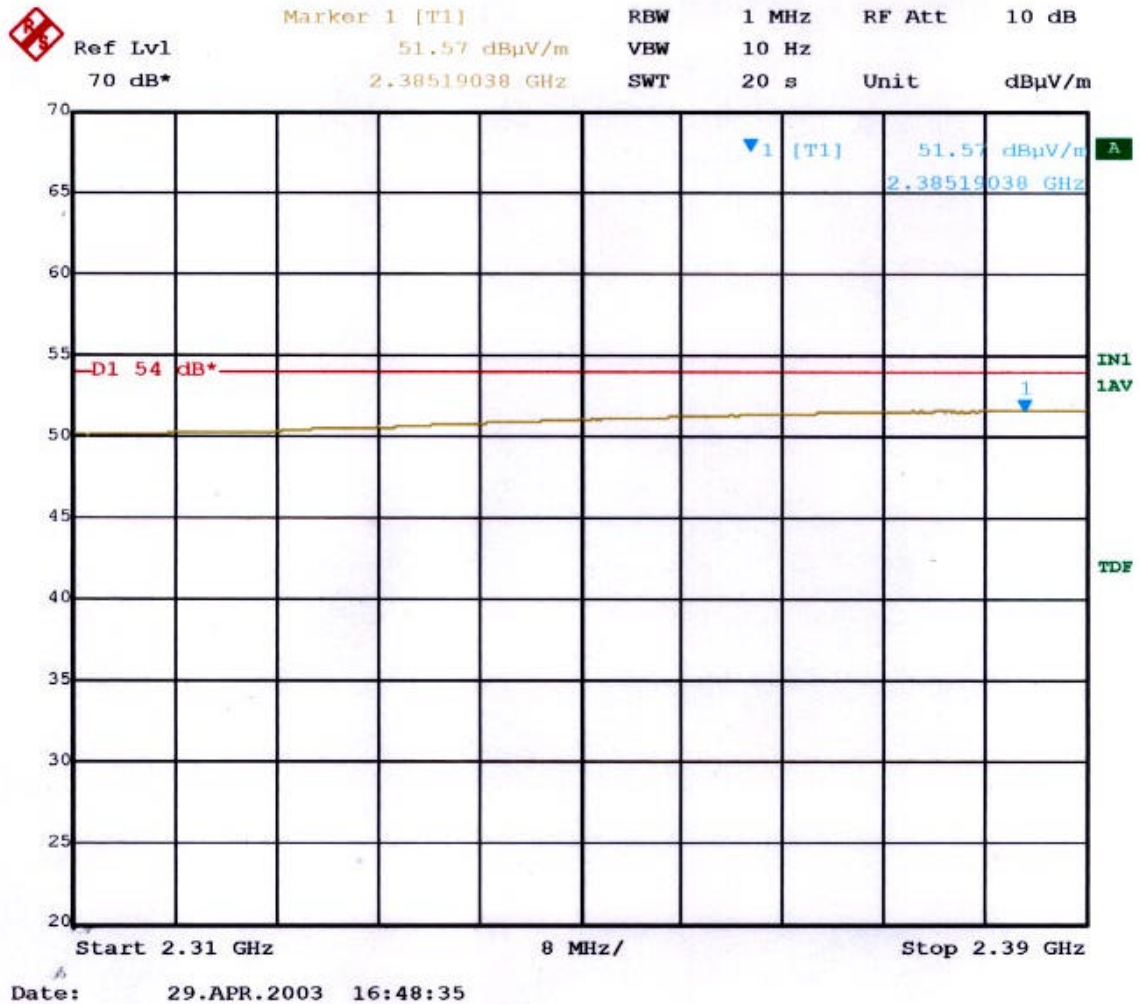


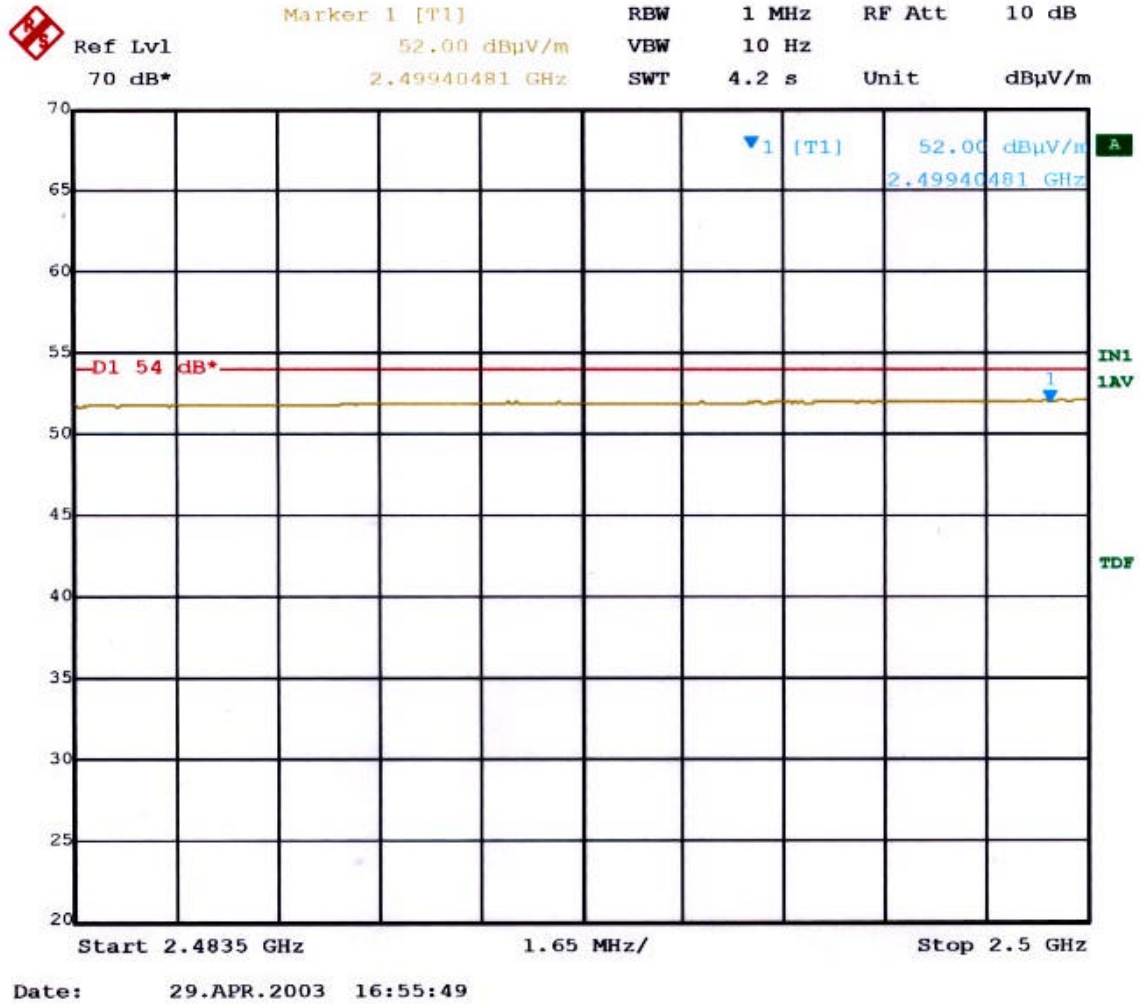
Handy Ch. 1: 2.4048GHz [Antenna : V]



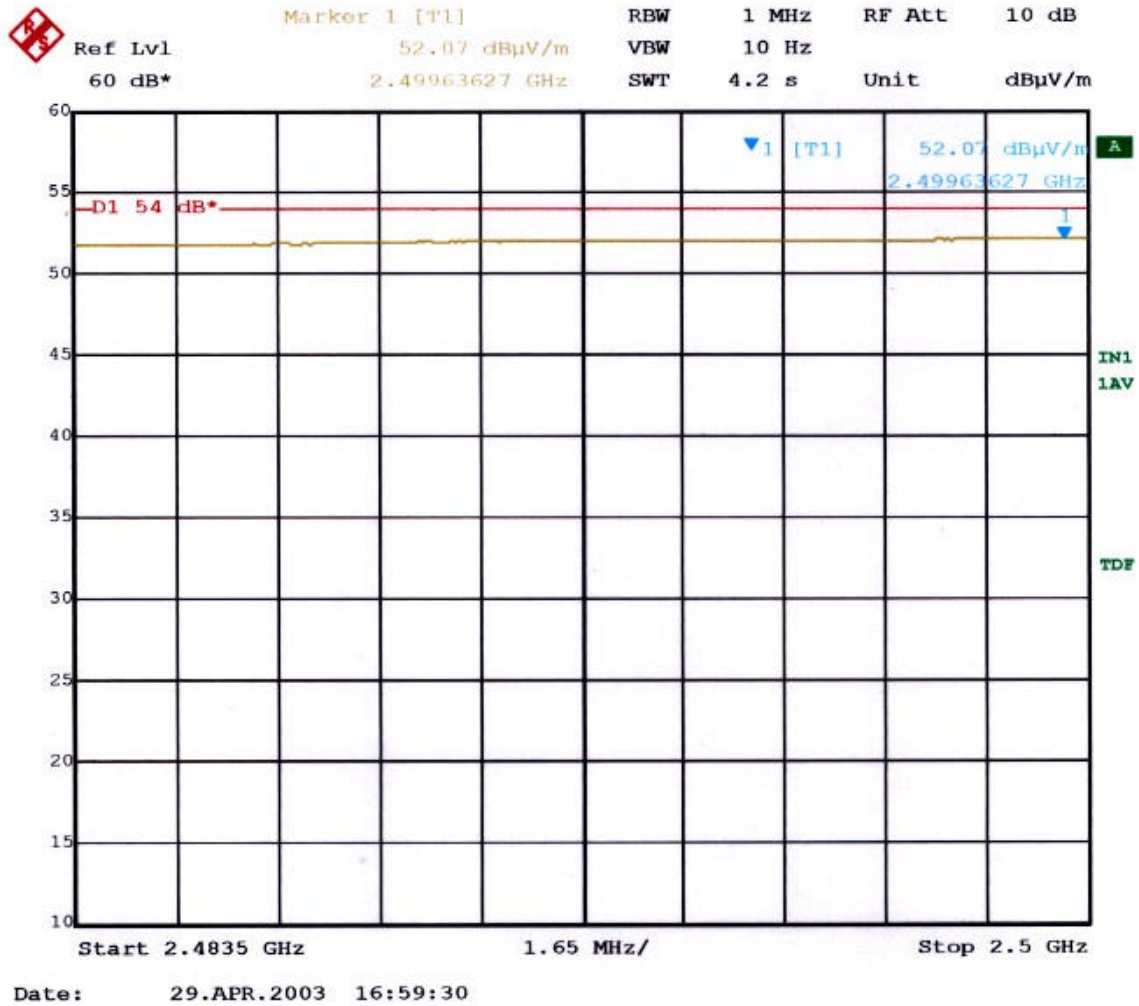
Handy Ch. 1: 2.4048GHz [Antenna : H]



Handy Ch. 40: 2.475GHz [Antenna : V]



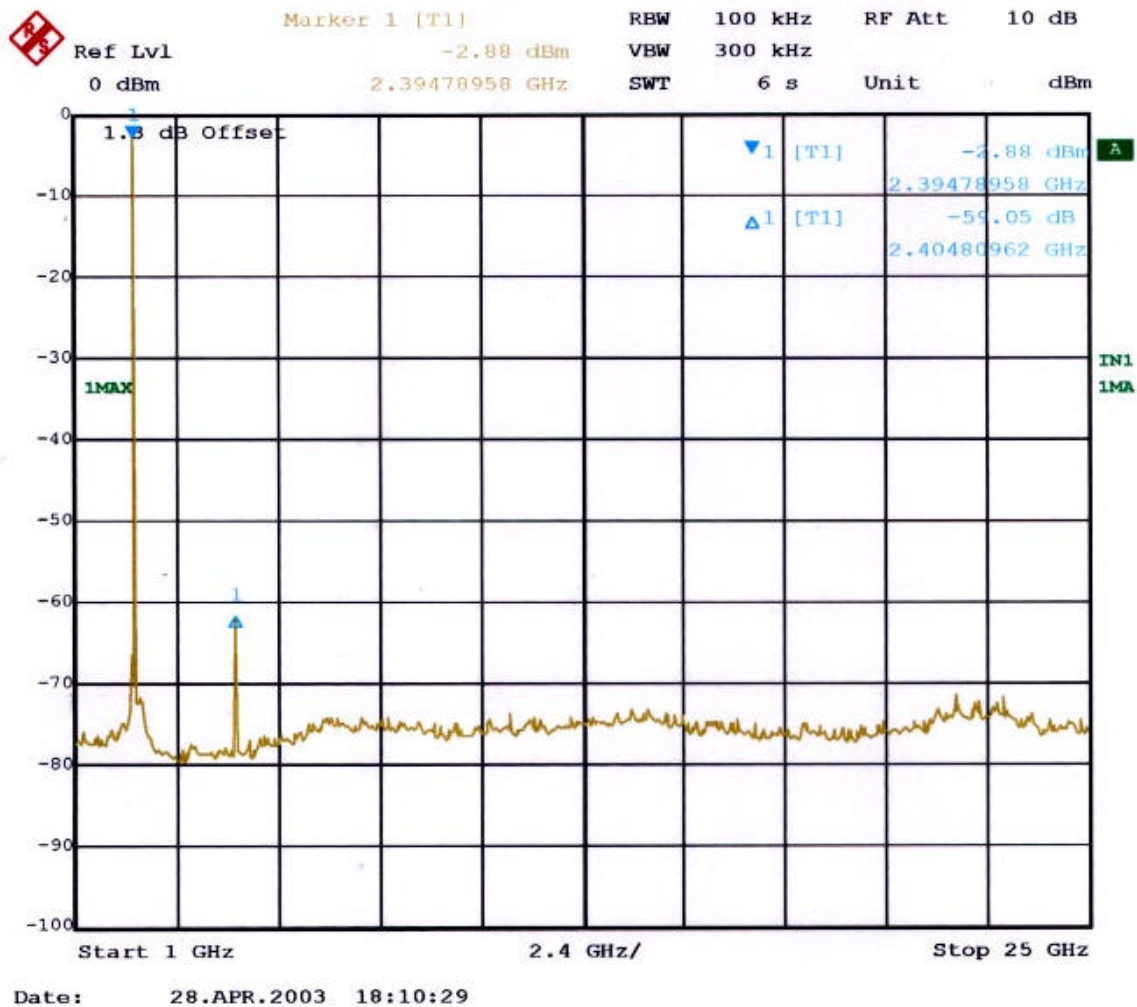
Handy Ch. 40: 2.475GHz [Antenna : H]



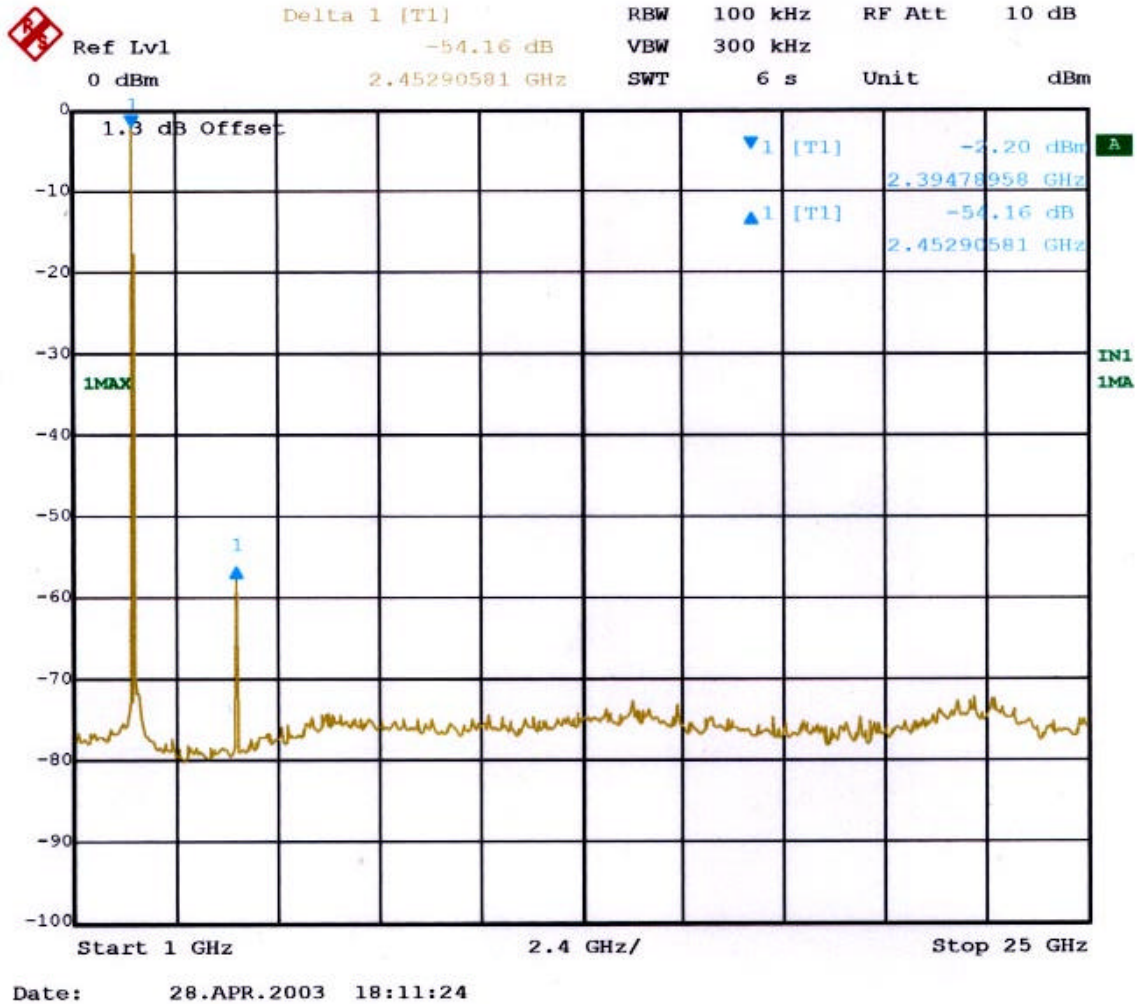
Out of band emissions (Conducted)

Item	CH.	FREQ [MHz]	RESULT [dBc]	Limit [dBc]	Margin [dB]
Base	1	2.4048	59.05	20	39.05
	20	2.4390	54.16	20	34.16
	40	2.4750	45.50	20	25.50
Handset	1	2.4048	22.67	20	2.67
	20	2.4390	27.21	20	7.21
	40	2.4750	29.30	20	9.30

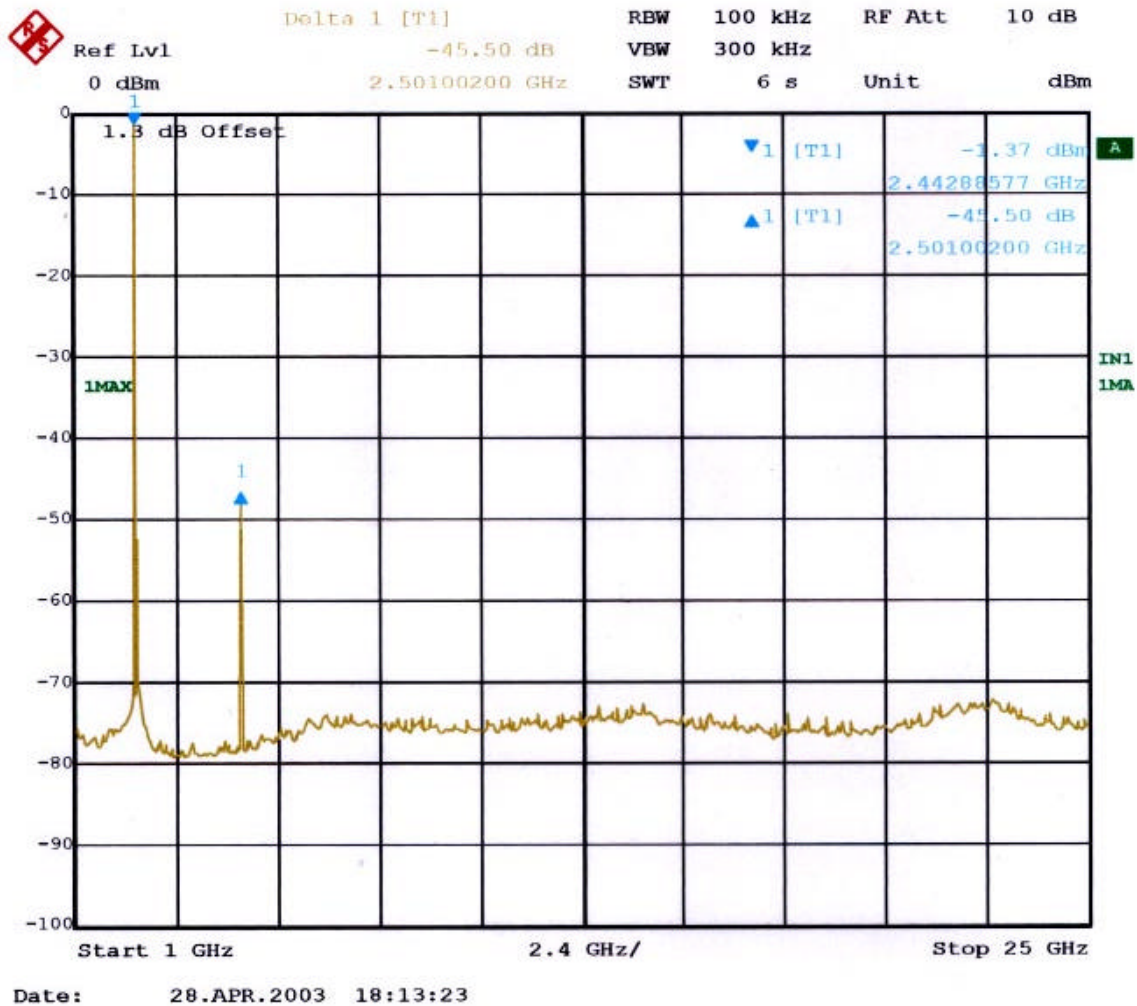
Base Ch. 1: 2.4048GHz



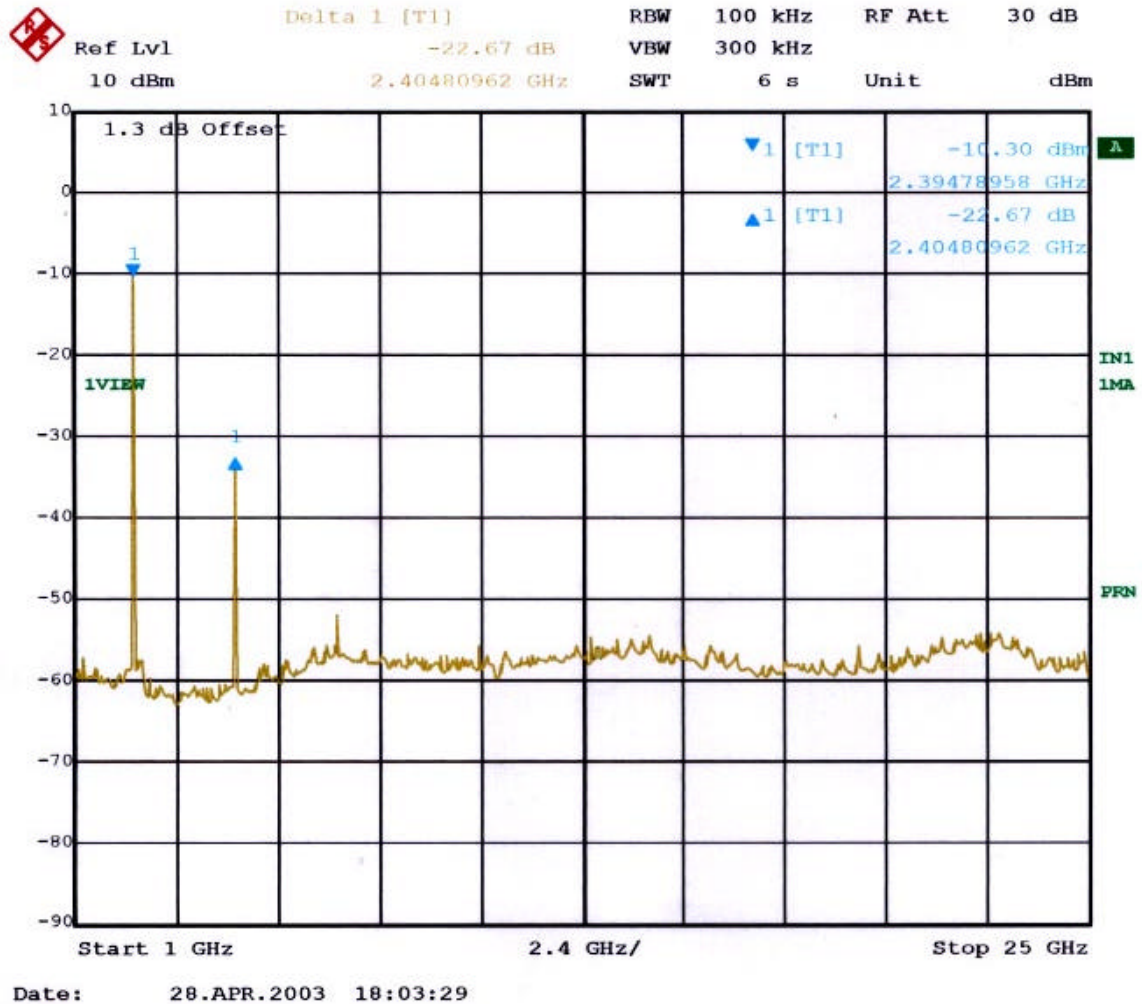
Base Ch. 20: 2.439GHz



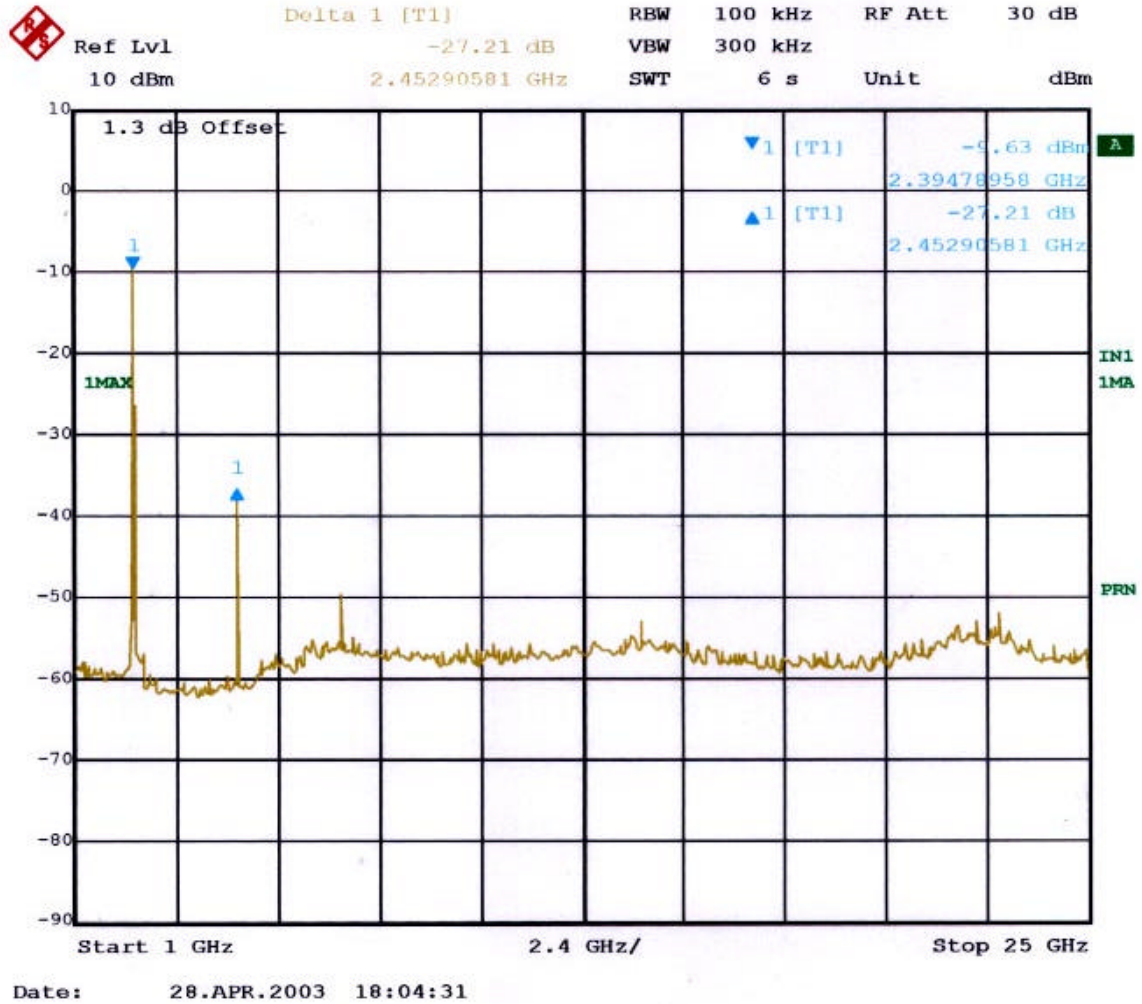
Base Ch. 40: 2.475GHz



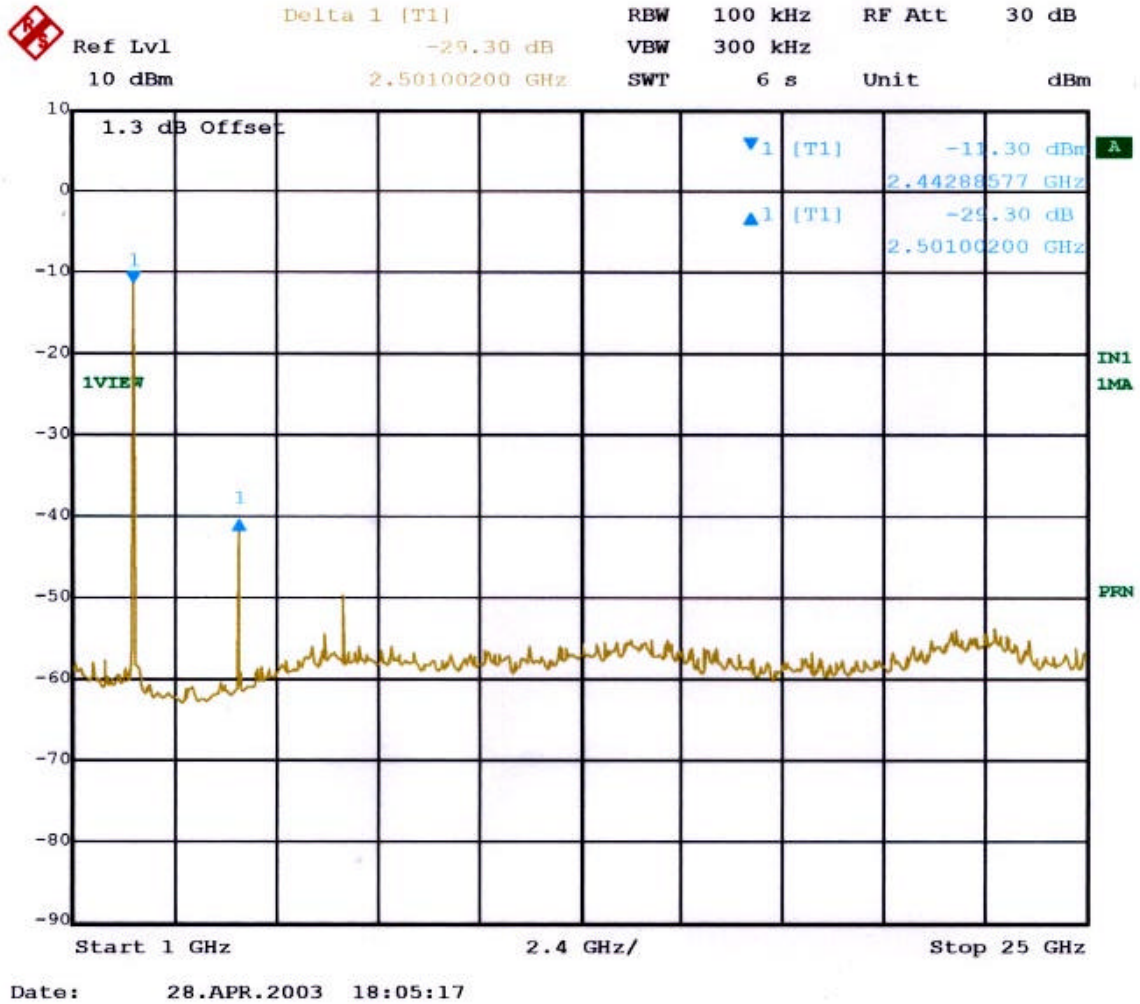
Handy Ch. 1: 2.4048GHz



Handy Ch. 20: 2.439GHz



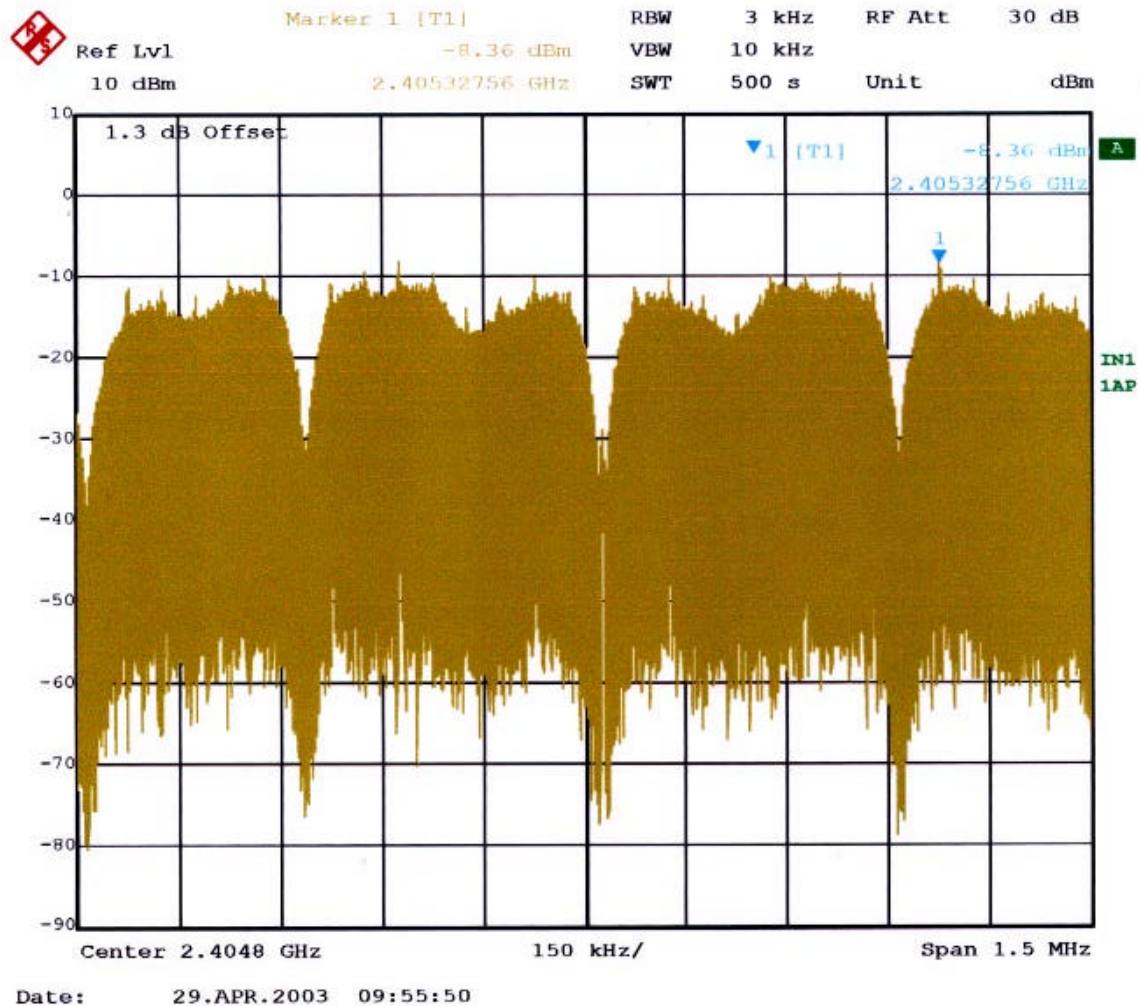
Handy Ch. 40: 2.475GHz



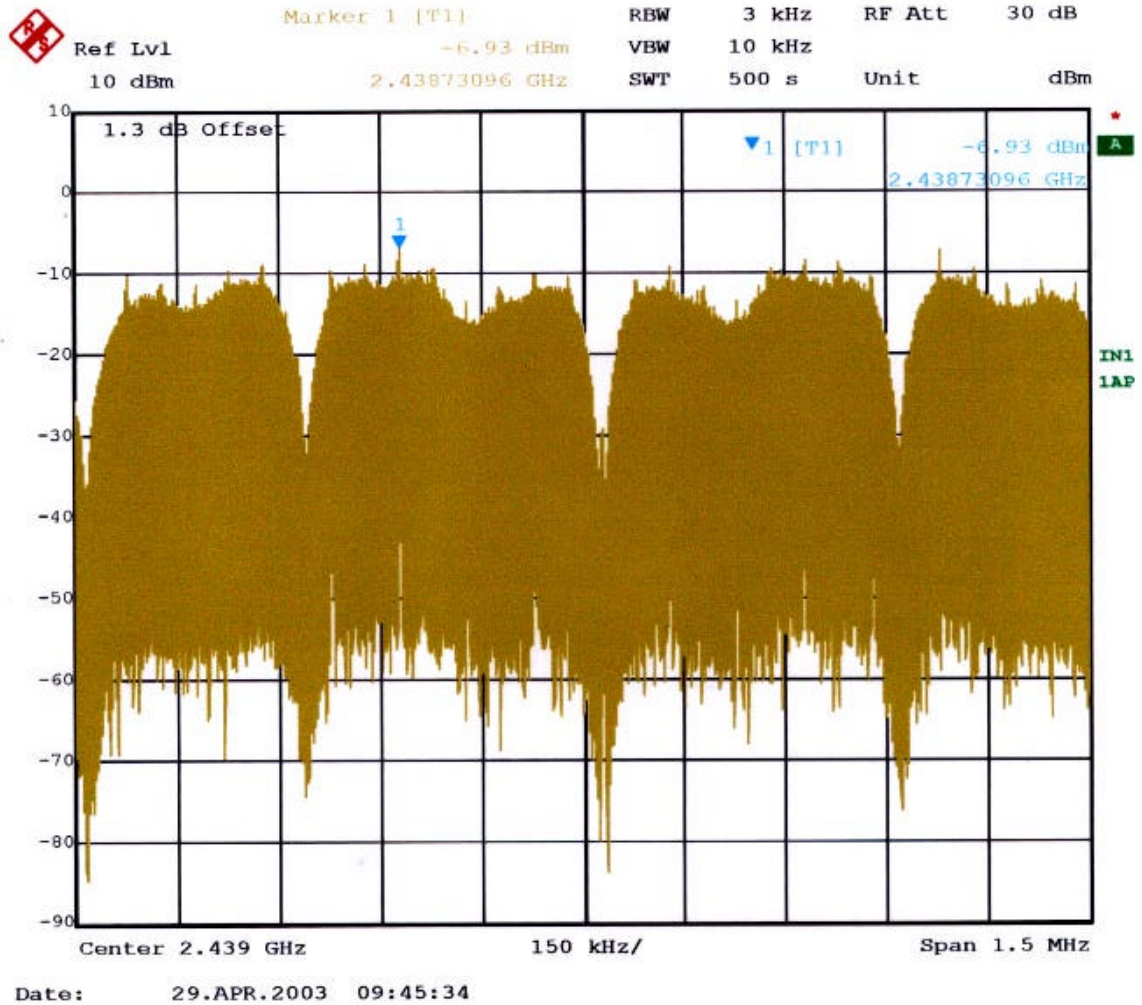
Power density (Conducted)

Item	CH.	FREQ [MHz]	Reading [dBuV]	Cable Loss [dB]	RESULT [dBm]	Limit [dBm]	Margin [dB]
Base	1	2.4048	97.34	1.3	-8.36	8	16.36
	20	2.4390	98.77	1.3	-6.93	8	14.93
	40	2.4750	99.20	1.3	-6.50	8	14.50
Handset	1	2.4048	89.72	1.3	-15.98	8	23.98
	20	2.4390	89.66	1.3	-16.04	8	24.04
	40	2.4750	88.84	1.3	-16.86	8	24.86

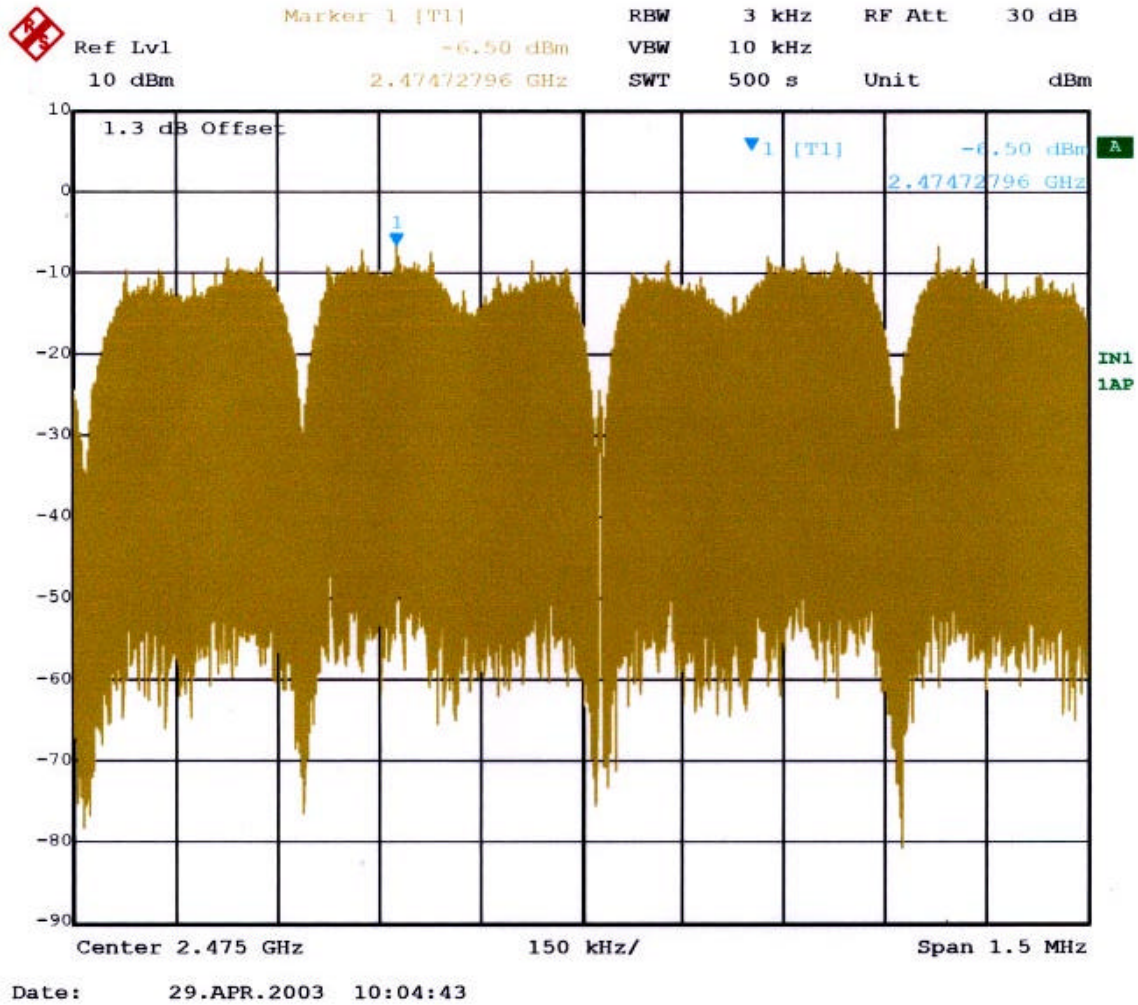
Base Ch. 1: 2.4048GHz



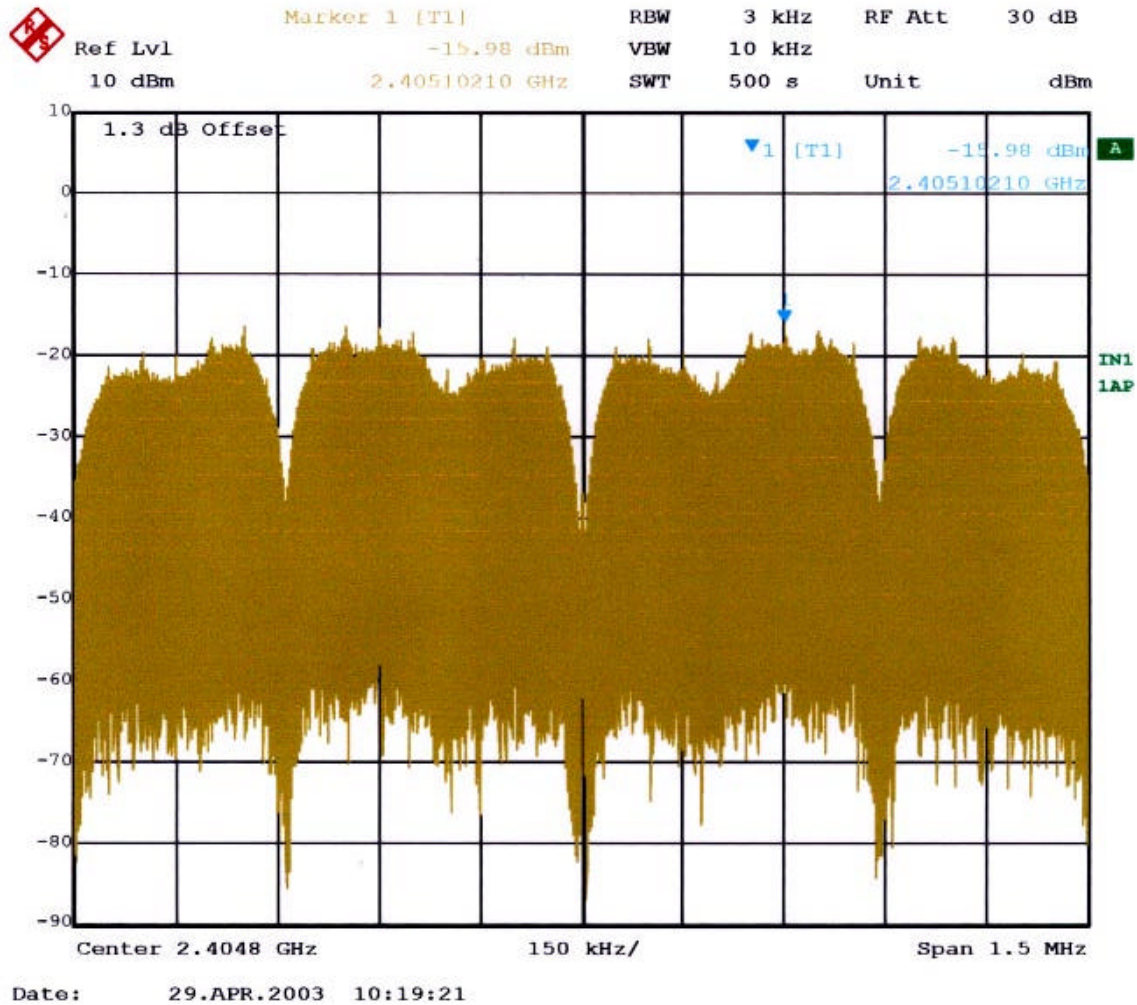
Base Ch. 20: 2.439GHz



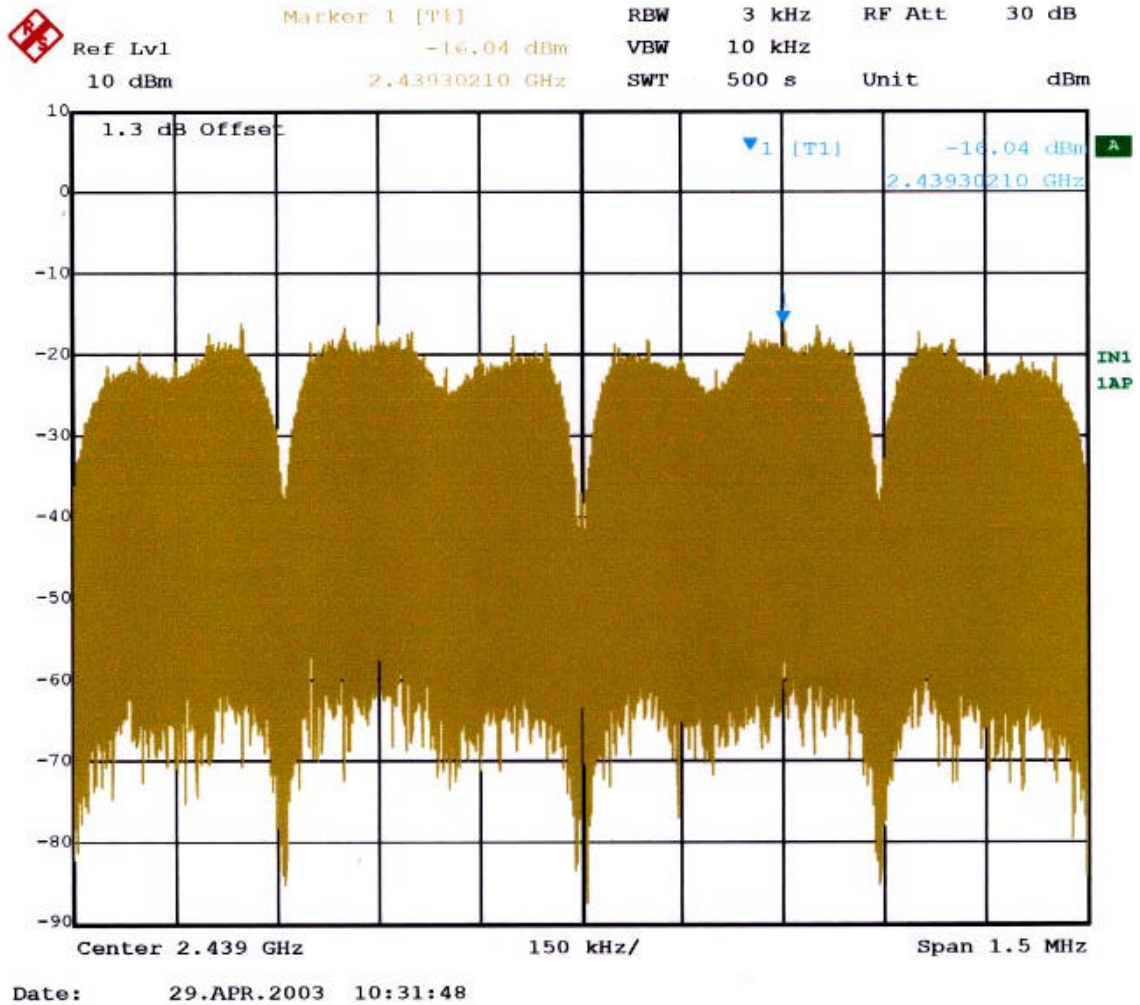
Base Ch. 40: 2.475GHz



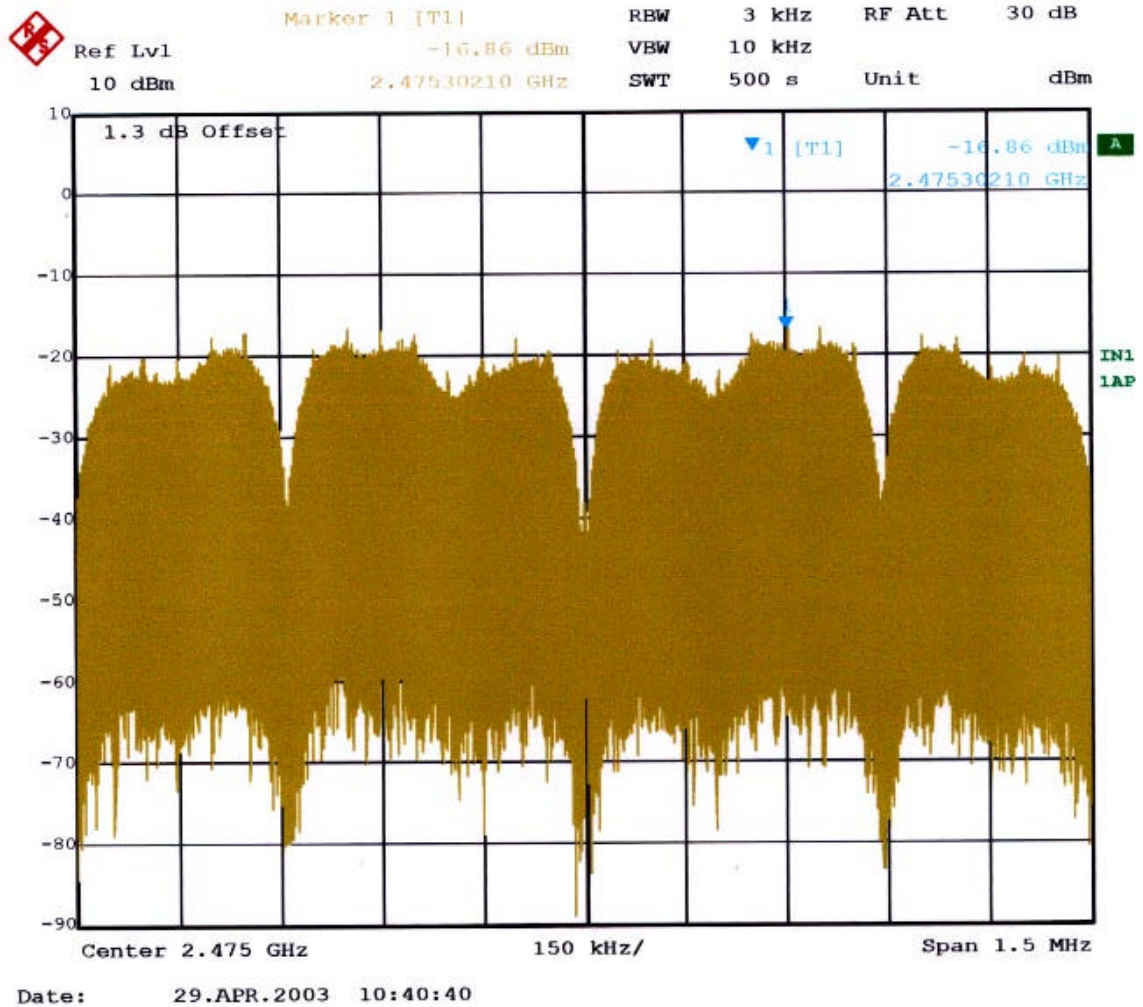
Handy Ch. 1: 2.4048GHz



Handy Ch. 20: 2.439GHz



Handy Ch. 40: 2.475GHz



Processing Gain (Conducted), Section 15.247(e)Results & Calculation

The following measurement results were taken at the base station. The desired bit error rate was set at 10^{-3} .

Jammer Frequency (MHz)	BER (BS)	Received jammer power (dBm)	Received signal power (dBm)	Jammer/Signal ratio (dB)
2404.8	9.4×10^{-4}	-59.55	-63.65	4.1
2406.6	9.6×10^{-4}	-57.95	-63.65	5.7
2408.4	9.6×10^{-4}	-60.15	-63.65	3.5
2410.2	9.6×10^{-4}	-64.25	-63.65	-0.6
2412.0	1.1×10^{-3}	-61.55	-63.65	2.1
2413.8	9.8×10^{-4}	-61.55	-63.65	2.1
2415.6	1.1×10^{-3}	-61.95	-63.65	1.7
2417.4	9.2×10^{-4}	-62.85	-63.65	0.8
2419.2	1.0×10^{-3}	-59.85	-63.65	3.8
2421.0	1.0×10^{-3}	-61.15	-63.65	2.5
2422.8	1.1×10^{-3}	-62.05	-63.65	1.6
2424.6	1.0×10^{-3}	-57.65	-63.65	6.0
2426.4	1.1×10^{-3}	-55.65	-63.65	8.0
2428.2	1.0×10^{-3}	-49.35	-63.65	14.3
2430.0	1.1×10^{-3}	-59.25	-63.65	4.4
2431.8	1.0×10^{-3}	-62.35	-63.65	1.3
2433.6	9.7×10^{-4}	-59.05	-63.65	4.6
2435.4	1.0×10^{-3}	-61.05	-63.65	2.6
2437.2	1.1×10^{-3}	-62.55	-63.65	1.1
2439.0	9.0×10^{-4}	-61.95	-63.65	1.7

Test Results (1Ch~20Ch)

Jammer Frequency (MHz)	BER (BS)	Received jammer power (dBm)	Received signal power (dBm)	Jammer/Signal ratio (dB)
2440.8	1.0×10^{-3}	-61.05	-63.65	2.6
2442.6	9.9×10^{-4}	-62.35	-63.65	1.3
2444.4	1.1×10^{-3}	-64.05	-63.65	-0.4
2446.2	9.2×10^{-4}	-56.25	-63.65	7.4
2448.0	1.0×10^{-3}	-59.85	-63.65	3.8
2449.8	1.1×10^{-3}	-57.25	-63.65	6.4
2451.6	9.9×10^{-4}	-58.15	-63.65	5.5
2453.4	9.6×10^{-4}	-57.95	-63.65	5.7
2455.2	9.6×10^{-4}	-64.25	-63.65	-0.6
2457.0	1.1×10^{-3}	-61.55	-63.65	2.1
2458.8	9.2×10^{-4}	-62.85	-63.65	0.8
2460.6	1.0×10^{-3}	-61.15	-63.65	2.5
2462.4	1.0×10^{-3}	-57.65	-63.65	6.0
2464.2	1.0×10^{-3}	-49.35	-63.65	14.3
2466.0	1.0×10^{-3}	-62.35	-63.65	1.3
2467.8	1.0×10^{-3}	-61.05	-63.65	2.6
2469.6	9.0×10^{-4}	-61.95	-63.65	1.7
2471.4	1.0×10^{-3}	-61.05	-63.65	2.6
2473.2	1.1×10^{-3}	-64.05	-63.65	-0.4
2475.0	1.0×10^{-3}	-59.85	-63.65	3.8

Test Results (21Ch~40Ch)

For DBPSK at 10^{-3} bit error rate the required SNR is 80 dB. Using the results above and the data in the table below the processing gain is calculated to be 11.3 dB.

required SNR (dB)	8.0
system losses (dB)	2.0
J/S ratio at 80% point (dB)	1.30
FCC Processing gain (dB)	11.3

Processing Gain Calculation data

Conclusions

The result measured for processing gain of 11.3 dB is close to the actual processing gain due to a 12 chip spreading code of $10 \times \log_{10}(12) = 10.8$ dB