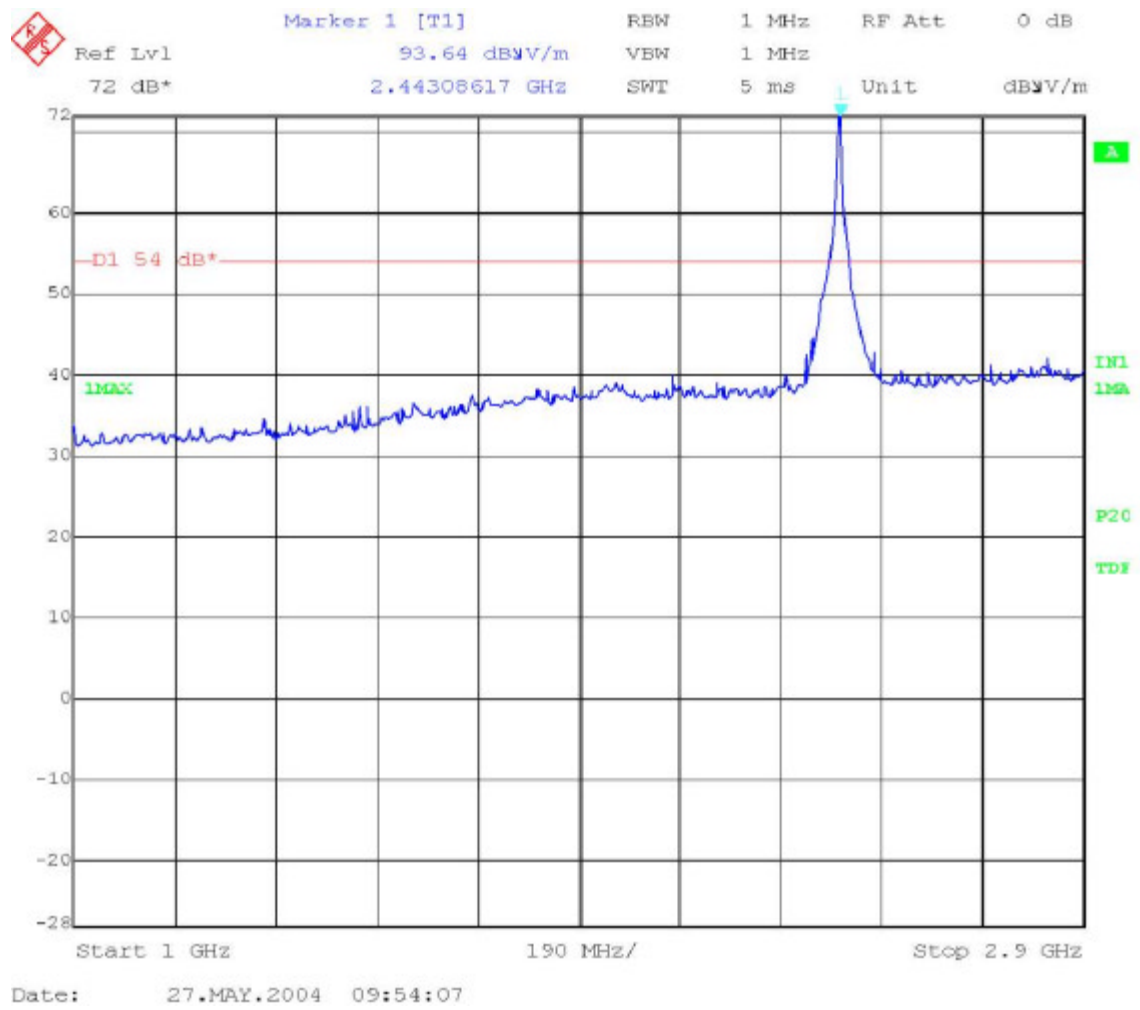


CHANNEL: Middle (2441 MHz).



Note: The peak above the limit is the carrier frequency.

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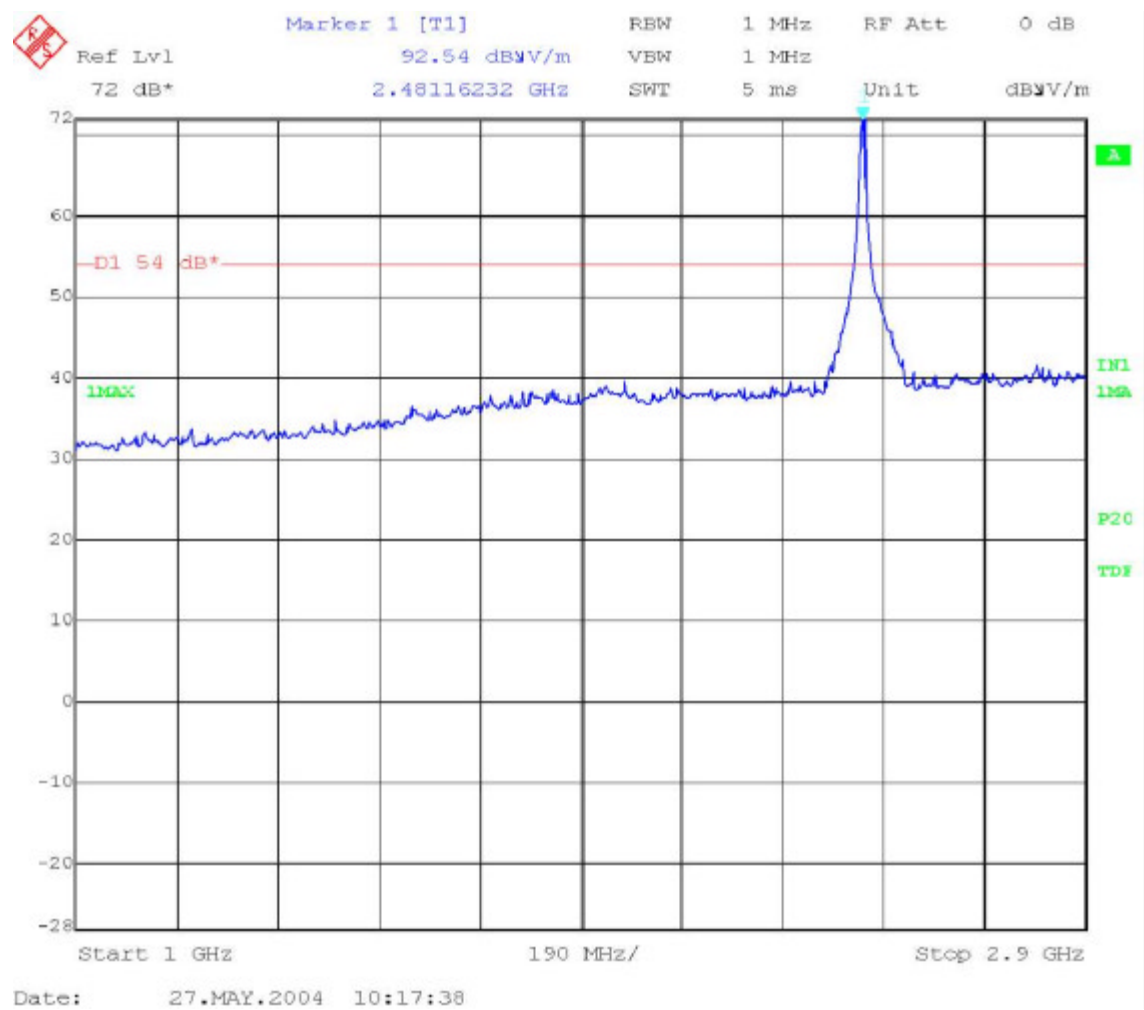
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CHANNEL: Highest (2480 MHz).



Note: The peak above the limit is the carrier frequency.

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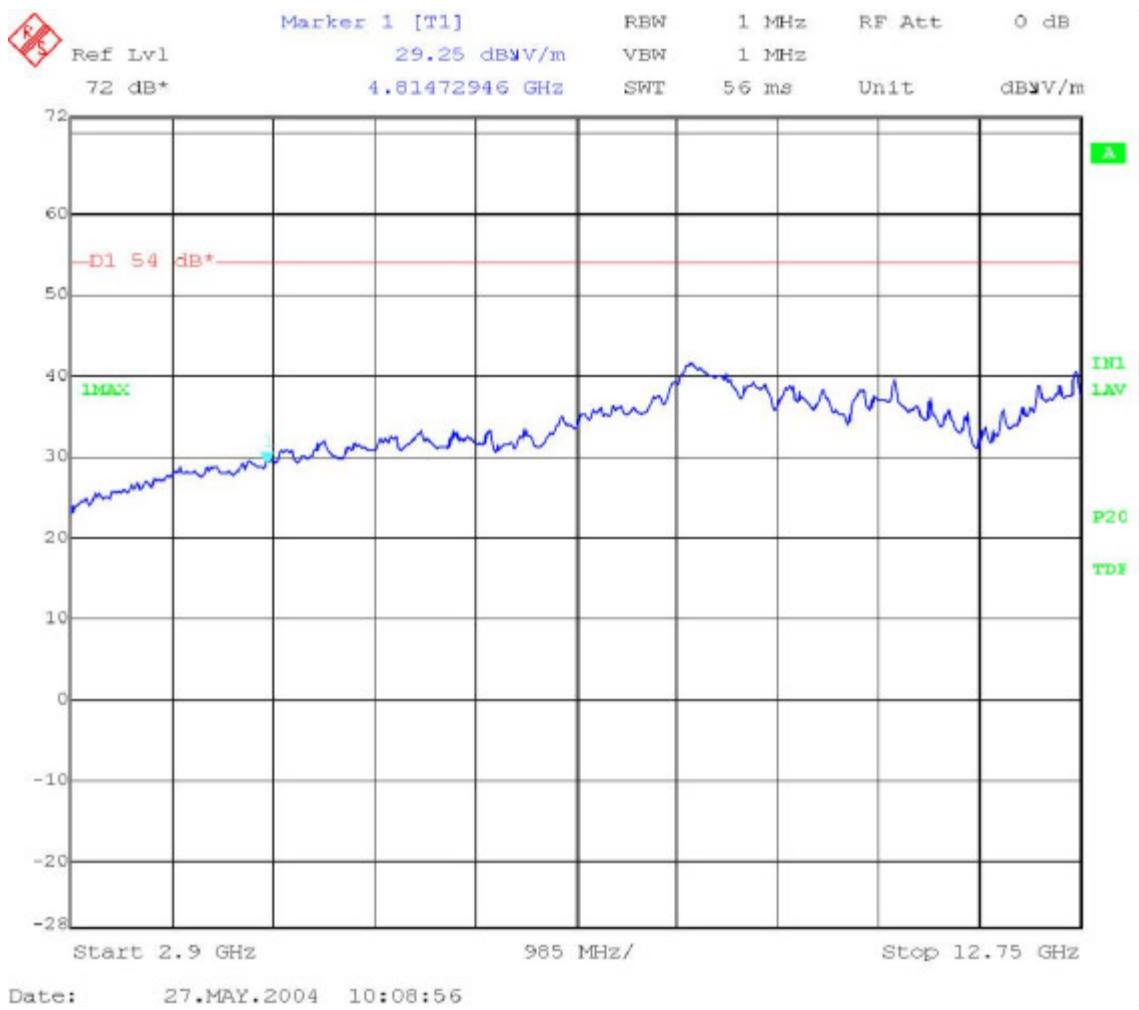
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FREQUENCY RANGE 2.9 GHz to 12.75 GHz.

CHANNEL: Lowest (2402 MHz).



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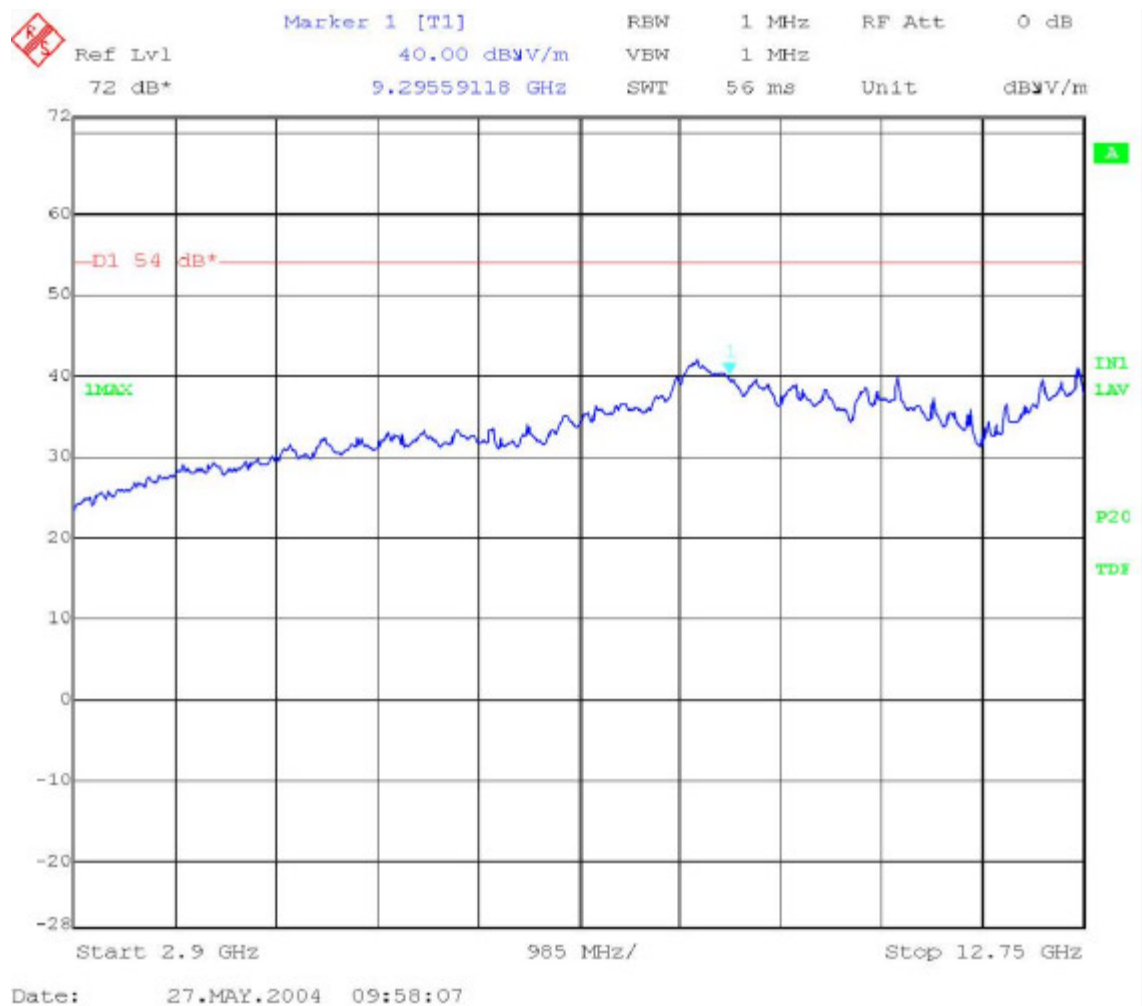
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CHANNEL: Middle (2441 MHz).



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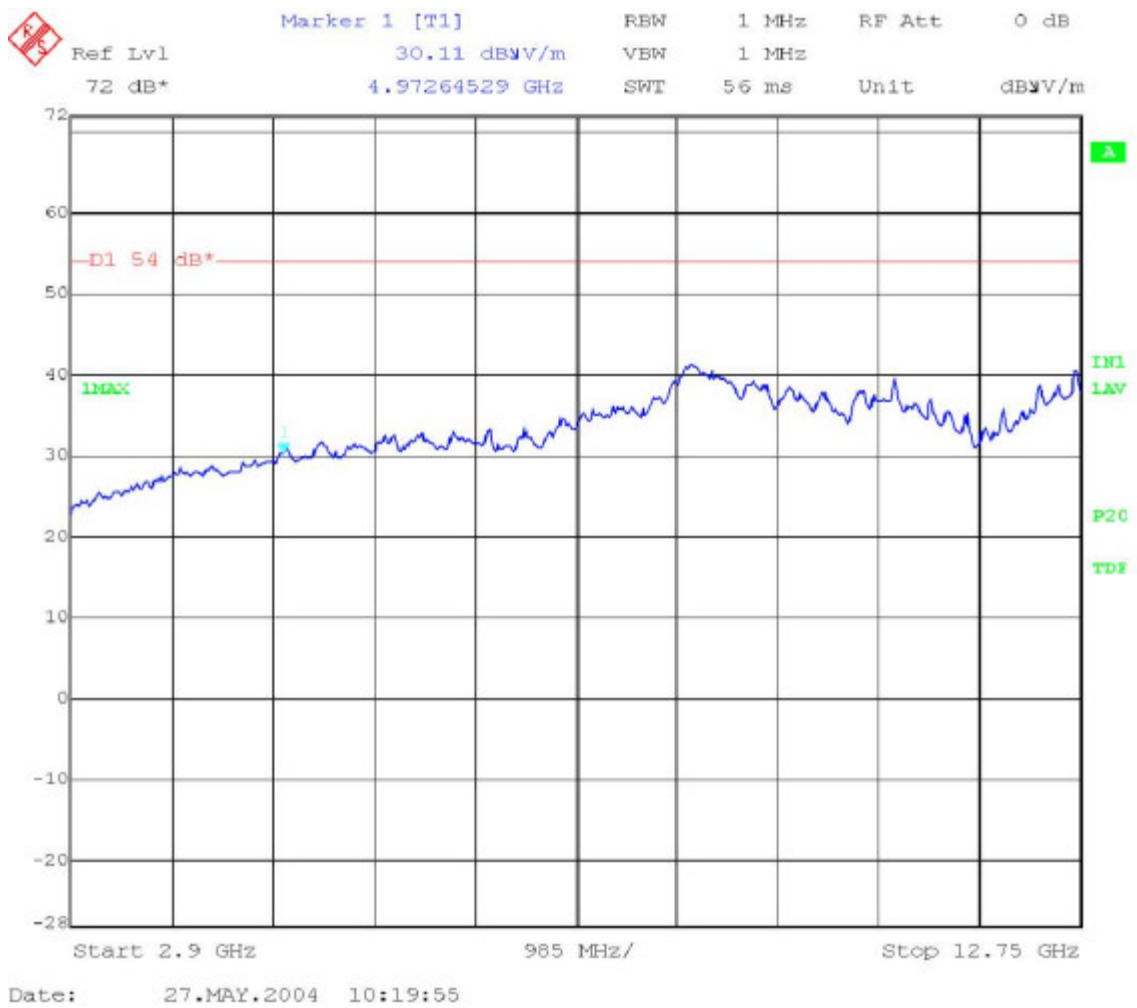
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CHANNEL: Highest (2480 MHz).



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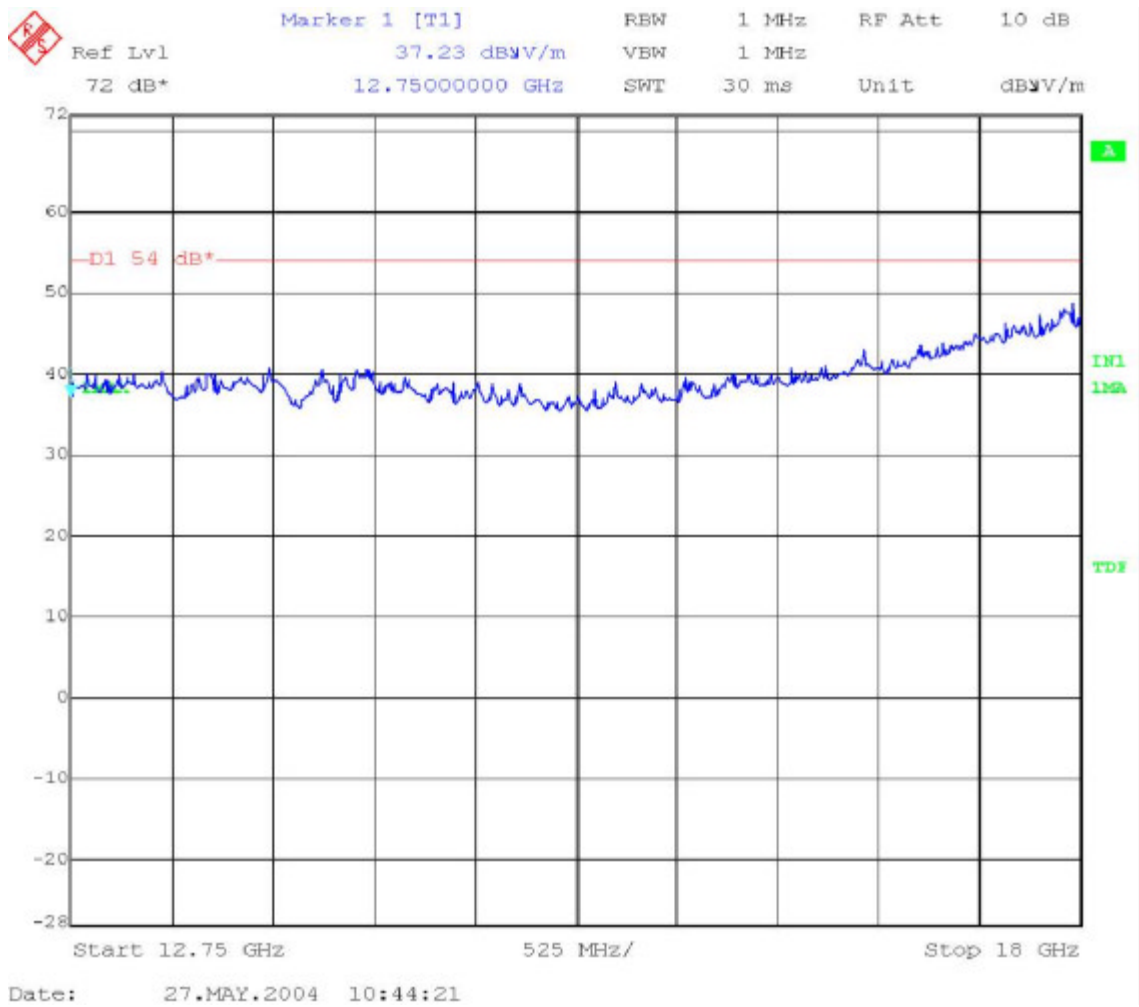
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FREQUENCY RANGE 12.75 GHz to 18 GHz.



(This plot is valid for all three channels).

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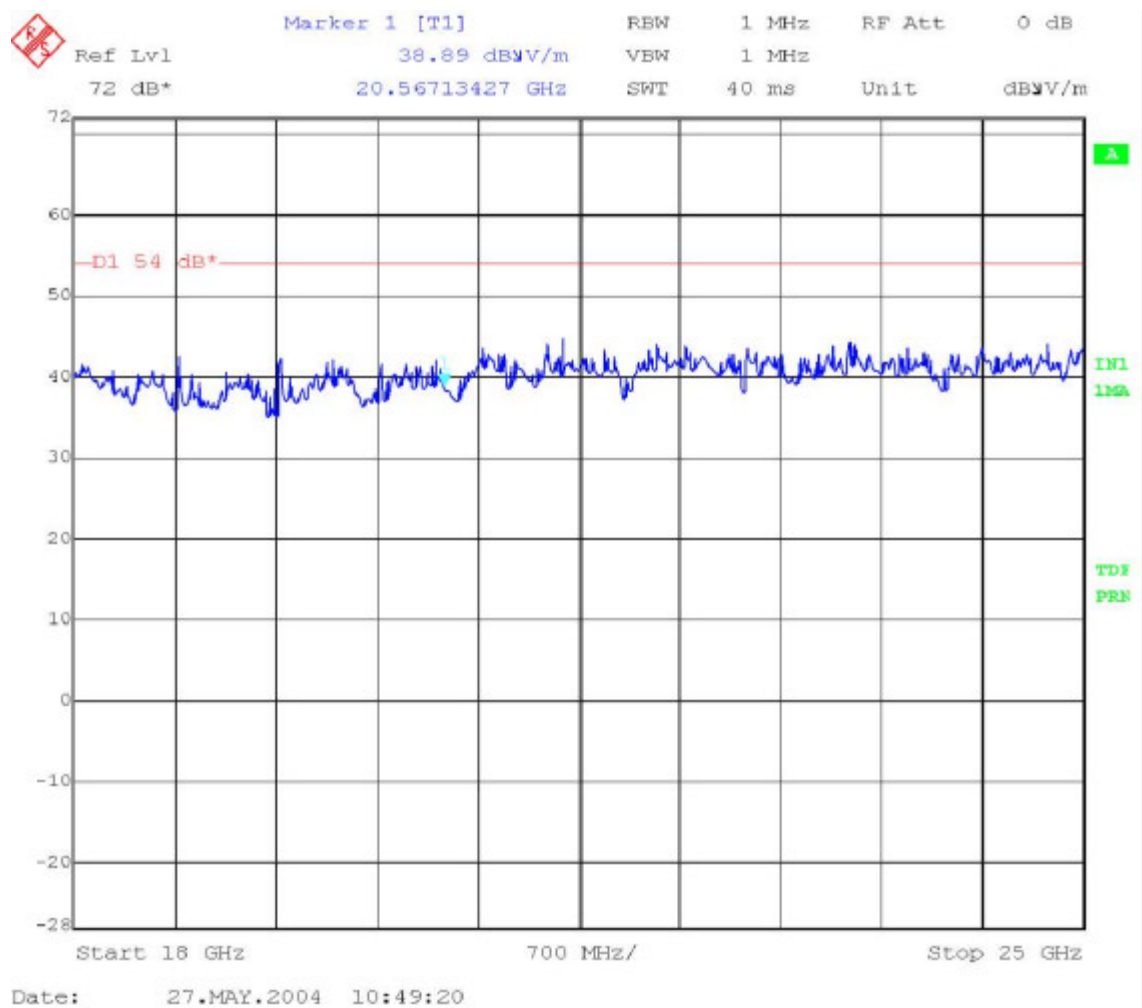
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FREQUENCY RANGE 18 GHz to 25 GHz.



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Section 15.109. Receiver spurious radiation

SPECIFICATION

The field strength shall not exceed the following values:

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-1000 MHz and at distance of 1m for the frequency range 1 GHz-25 GHz.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

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1. RECEIVER OPERATING IN CHANNEL: LOWEST (2402 MHz).

Frequency range 30 MHz-1000 MHz.

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Uncertainty (dB)
36.040	V	Quasi-peak	20.4	± 3.8 dB
43.770	V	Quasi-peak	22.1	± 3.8 dB
45.600	V	Quasi-peak	22.3	± 3.8 dB
45.780	H	Quasi-peak	14.1	± 3.8 dB
47.650	V	Quasi-peak	20.1	± 3.8 dB
49.150	V	Quasi-peak	18.6	± 3.8 dB
52.510	V	Quasi-peak	13.8	± 3.8 dB
189.060	V	Quasi-peak	14.2	± 3.8 dB
252.300	V	Quasi-peak	16.6	± 3.8 dB

Frequency range 1 GHz-25 GHz.

No spurious signals were found in all the range.

Additionally, no spurious signals were found inside the restricted bands 2310-2390 MHz and 2483.5-2500 MHz

Verdict: PASS.

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2. RECEIVER OPERATING IN CHANNEL: MIDDLE (2441 MHz).

Frequency range 30 MHz-1000 MHz.

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Uncertainty (dB)
32.640	H	Quasi-peak	21.6	± 3.8 dB
39.450	H	Quasi-peak	22.2	± 3.8 dB
44.240	V	Quasi-peak	21.3	± 3.8 dB
44.680	H	Quasi-peak	22.0	± 3.8 dB
45.930	V	Quasi-peak	20.9	± 3.8 dB
47.760	V	Quasi-peak	21.3	± 3.8 dB
49.260	V	Quasi-peak	18.5	± 3.8 dB
50.940	H	Quasi-peak	16.3	± 3.8 dB
52.590	V	Quasi-peak	16.3	± 3.8 dB
54.160	V	Quasi-peak	14.1	± 3.8 dB
189.100	V	Quasi-peak	14.2	± 3.8 dB
240.200	V	Quasi-peak	16.8	± 3.8 dB

Frequency range 1 GHz-25 GHz.

No spurious signals were found in all the range.

Additionally, no spurious signals were found inside the restricted bands 2310-2390 MHz and 2483.5-2500 MHz

Verdict: PASS.

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3. RECEIVER OPERATING IN CHANNEL: HIGHEST (2480 MHz).

Frequency range 30 MHz-1000 MHz.

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Uncertainty (dB)
39.120	V	Quasi-peak	20.6	± 3.8 dB
43.730	V	Quasi-peak	22.0	± 3.8 dB
45.160	V	Quasi-peak	21.9	± 3.8 dB
48.520	V	Quasi-peak	20.3	± 3.8 dB
50.320	V	Quasi-peak	17.2	± 3.8 dB
51.930	V	Quasi-peak	15.7	± 3.8 dB
240.200	V	Quasi-peak	17.2	± 3.8 dB
427.600	H	Quasi-peak	24.0	± 3.8 dB

Frequency range 1 GHz-25 GHz.

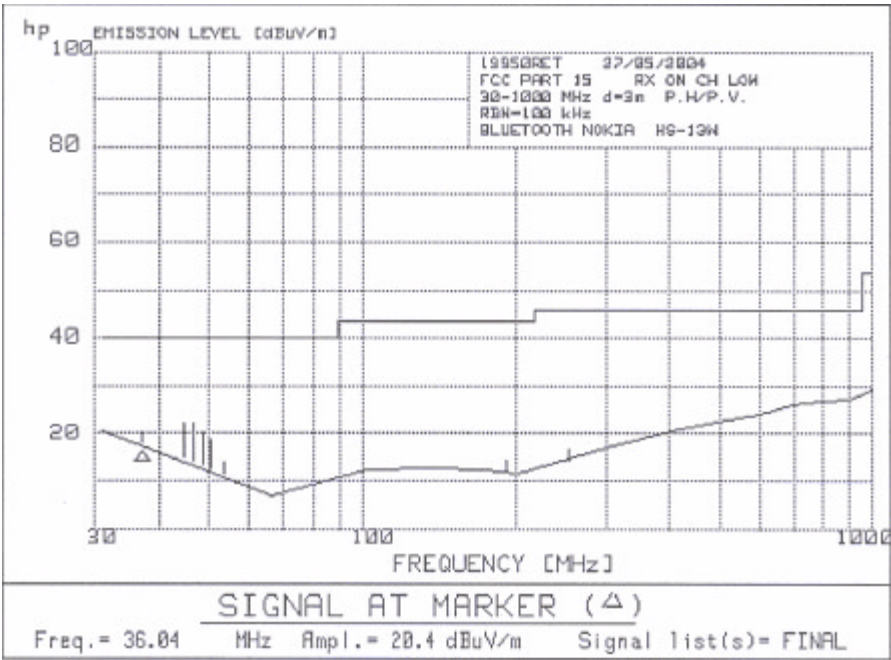
No spurious signals were found in all the range.

Additionally, no spurious signals were found inside the restricted bands 2310-2390 MHz and 2483.5-2500 MHz

Verdict: PASS.

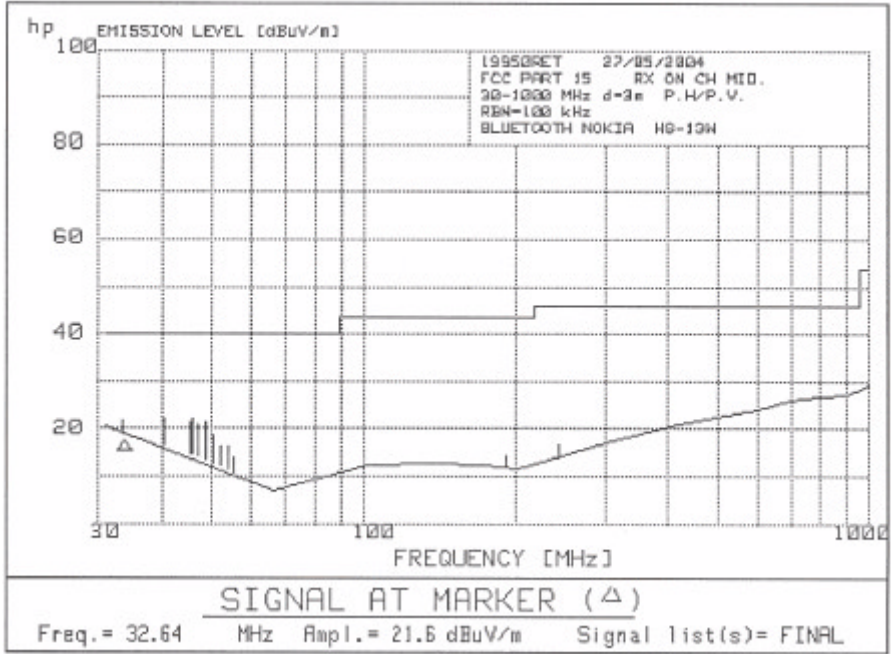
FREQUENCY RANGE 30 MHz-1000 MHz.

Channel: Lowest (2402 MHz)



Resolution bandwidth = 100 kHz. Video bandwidth = 100 kHz.

Channel: Middle (2441 MHz)



Resolution bandwidth = 100 kHz. Video bandwidth = 100 kHz.

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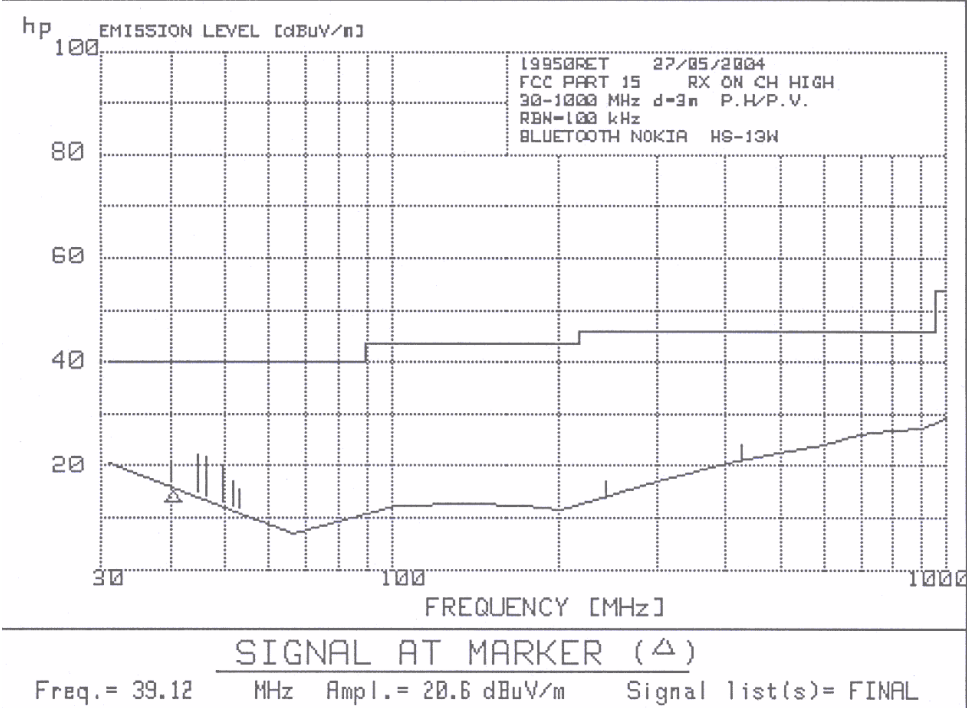
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Channel: Highest (2480 MHz)



Resolution bandwidth = 100 kHz. Video bandwidth = 100 kHz.

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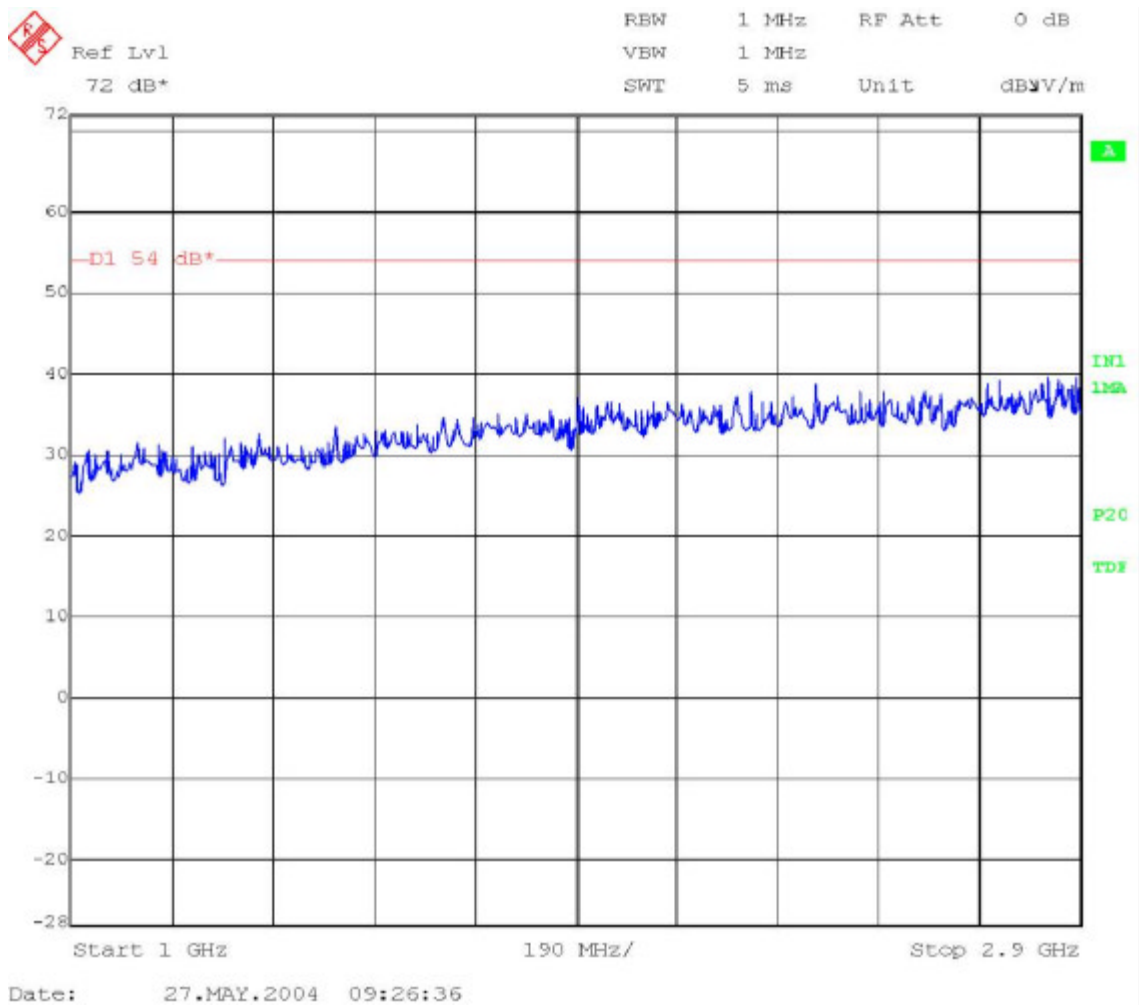
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FREQUENCY RANGE 1 GHz-2.9 GHz.



(This plot is valid for all three channels).

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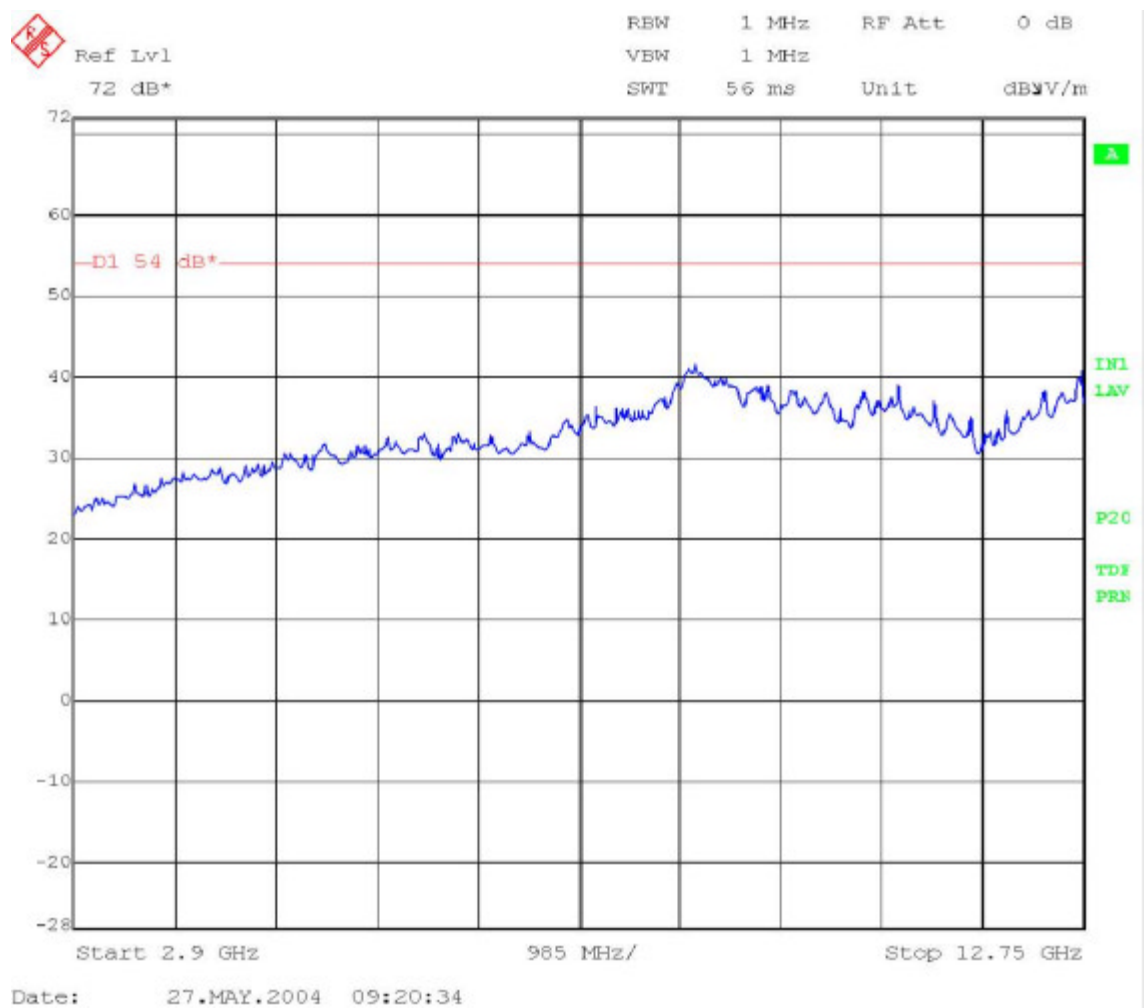
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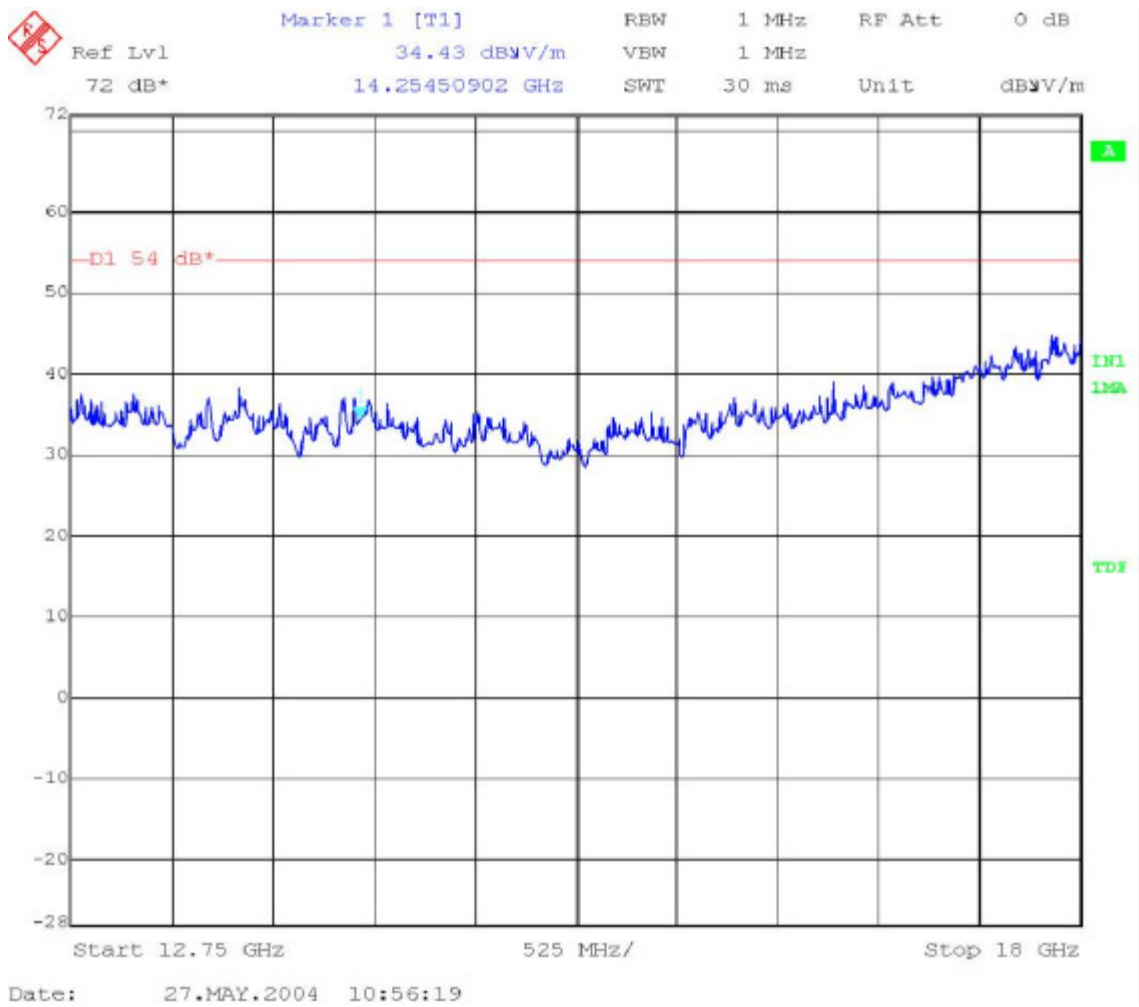
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FREQUENCY RANGE 2.9 GHz-12.75 GHz.



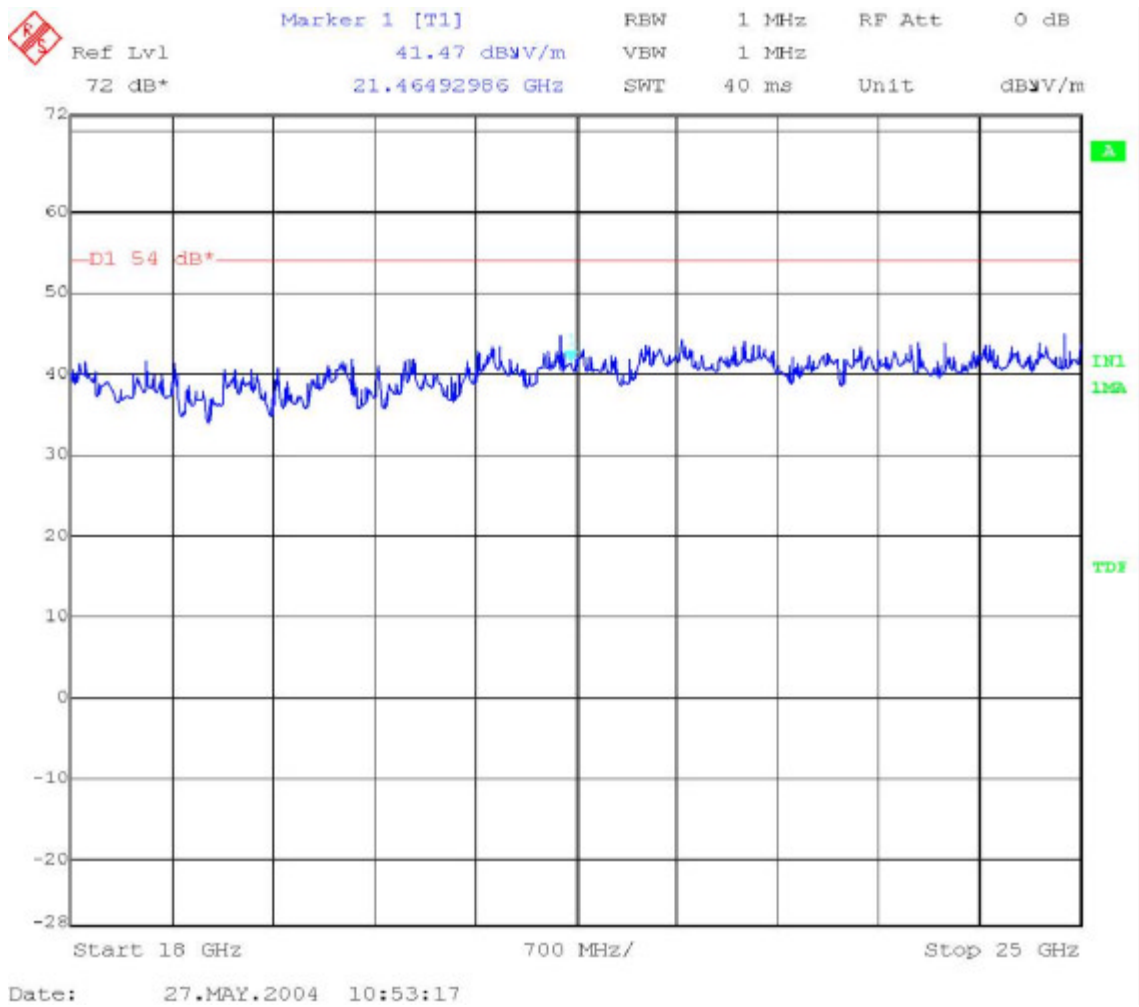
(This plot is valid for all three channels).

FREQUENCY RANGE 12.75 GHz-18 GHz.



(This plot is valid for all three channels).

FREQUENCY RANGE 18 GHz-25 GHz.



(This plot is valid for all three channels).