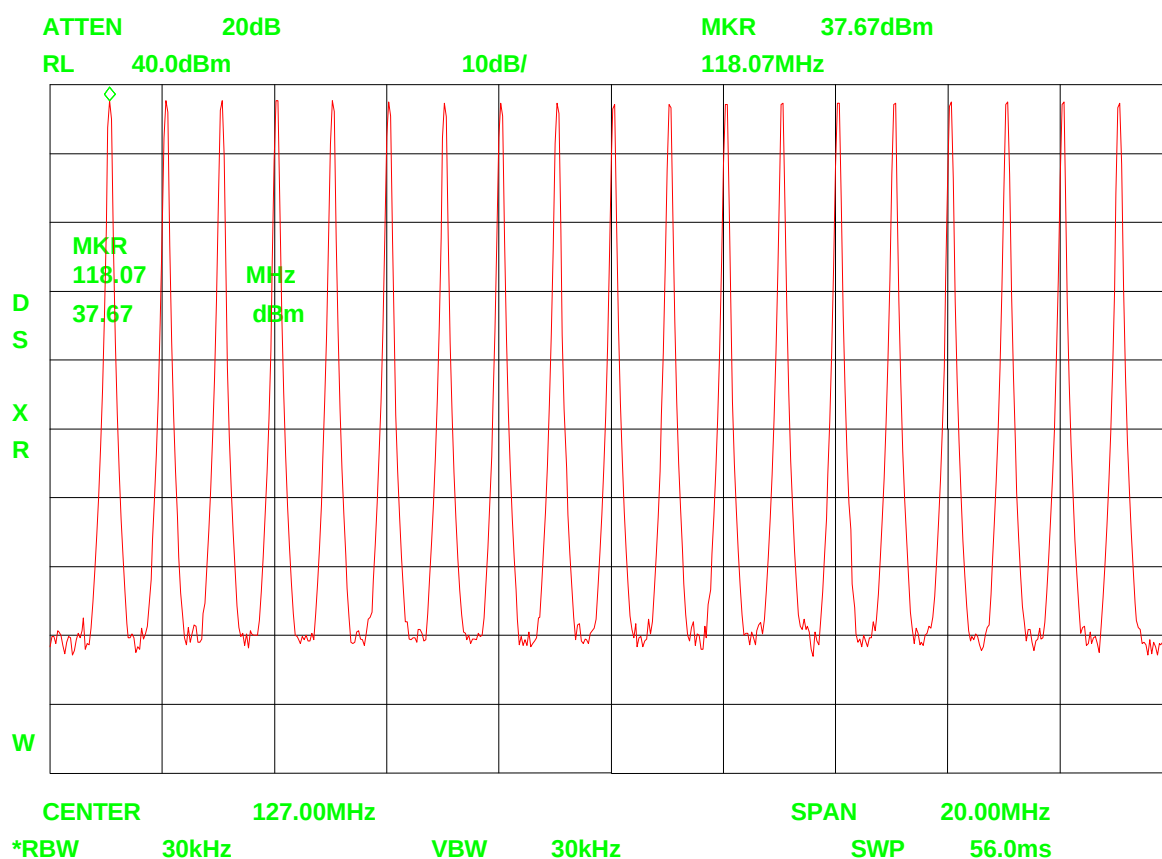


Appendix 2 to test report

Test sheets and plots

This appendix consists of 44 pages included cover page

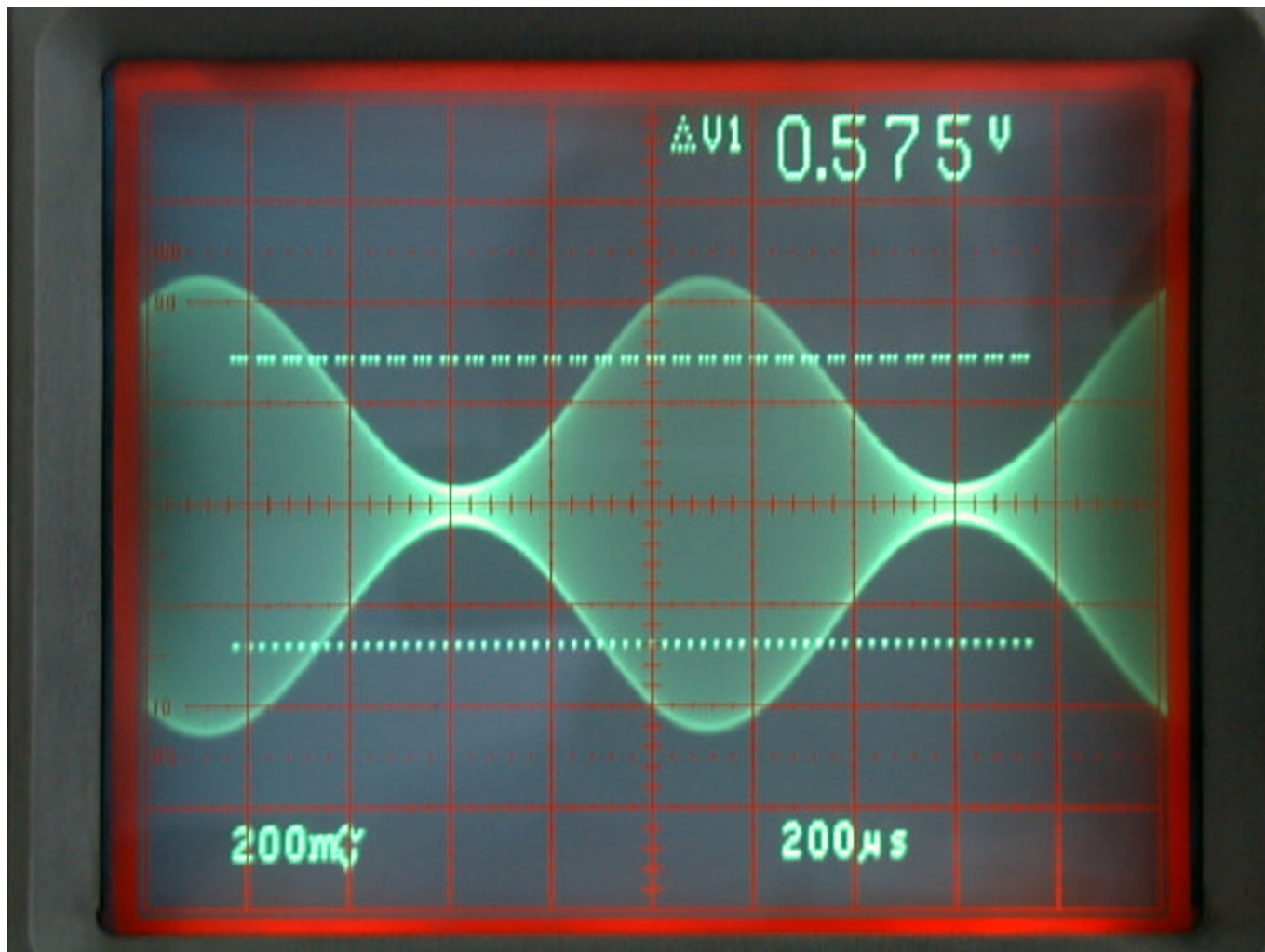
Plot No.: 1



TX output power test: Switching 19 channels 118.000 MHz to 136.000 MHz

Temperature $t = 23.0\text{ }^{\circ}\text{C}$
Power supply $U_{dc} = 13.8\text{ V}$

Plot No.: 2

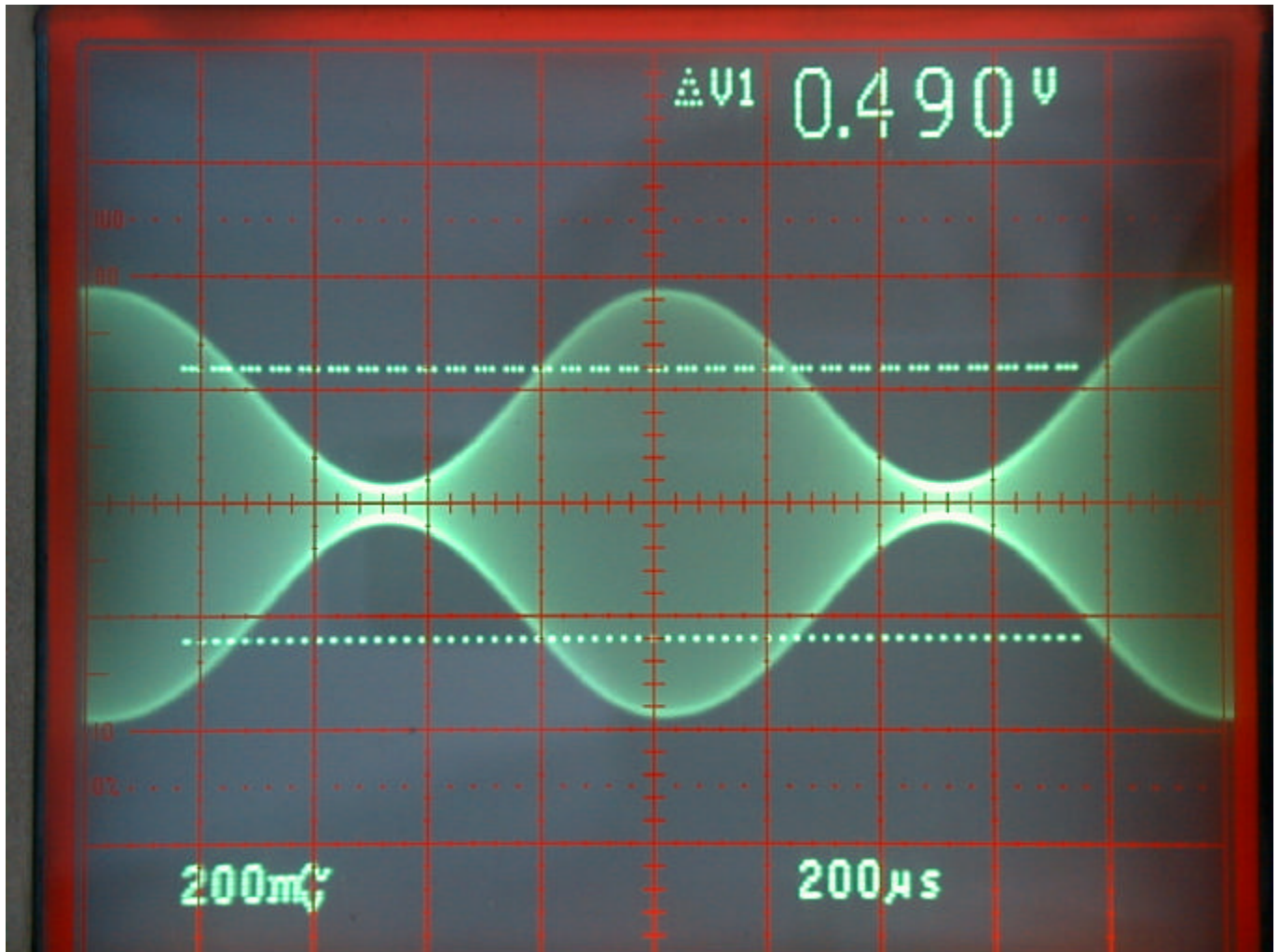


TX frequency	f = 118.000 MHz
Modulation frequency	f m = 1000 Hz
Modulation depth	m = 85 %

Temperature	t = 23.0 °C
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Definitions	U_{pp} = 575 mV ® 5.74 W w/o modulation
	U_{pp} = 850 mV ® 8.50 W (PEP) with modulation

Plot No.: 3

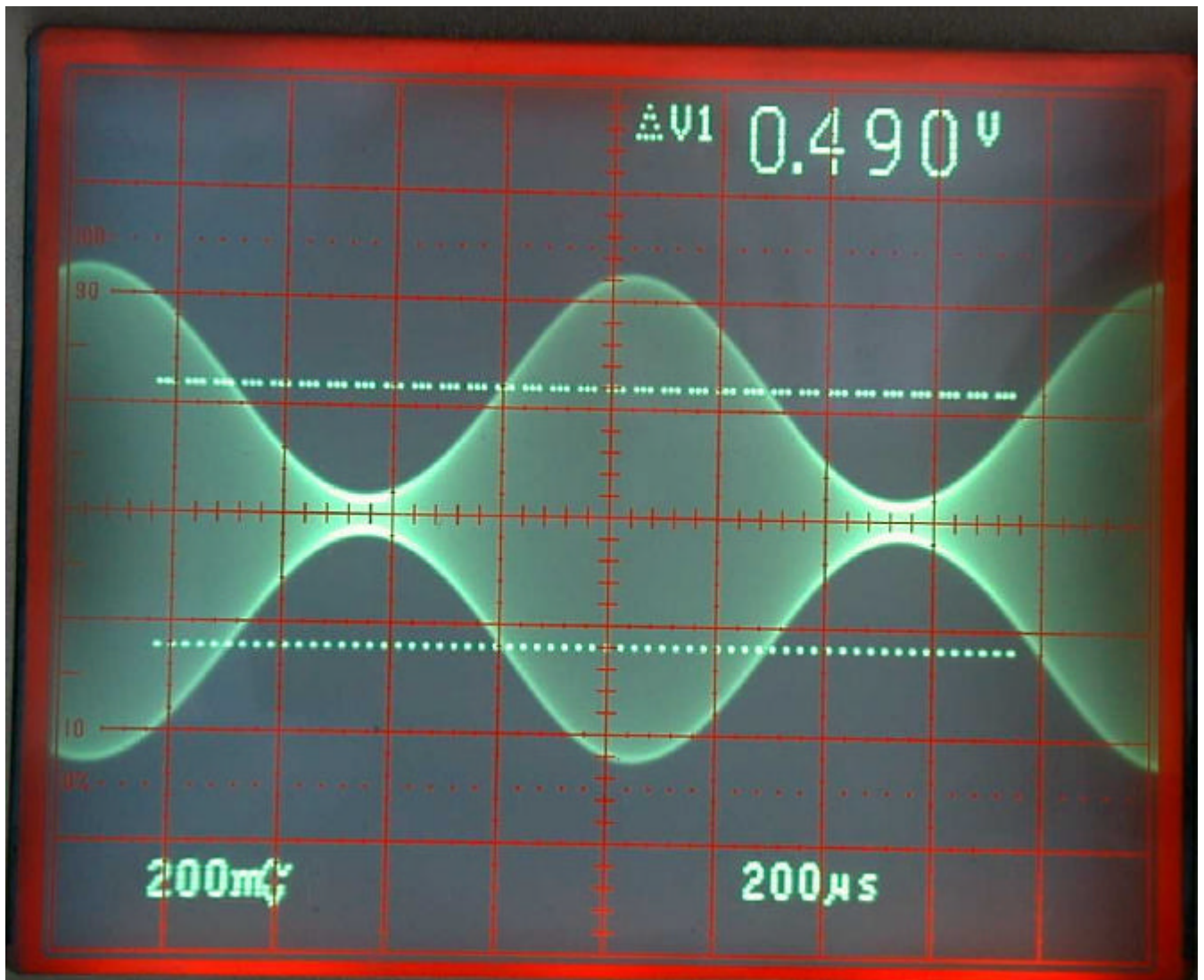


TX frequency	$f = 127.500 \text{ MHz}$
Modulation frequency	$f_m = 1000 \text{ Hz}$
Modulation depth	$m = 85 \%$

Temperature	$t = 23.0 \text{ }^{\circ}\text{C}$
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Definitions	$U_{pp} = 490 \text{ mV} \text{ }^{\circledR} 4.90 \text{ W w/o modulation}$
	$U_{pp} = 760 \text{ mV} \text{ }^{\circledR} 7.60 \text{ W (PEP) with modulation}$

Plot No.: 4



TX frequency $f = 136.975$ MHz

Modulation frequency $f_m = 1000$ Hz

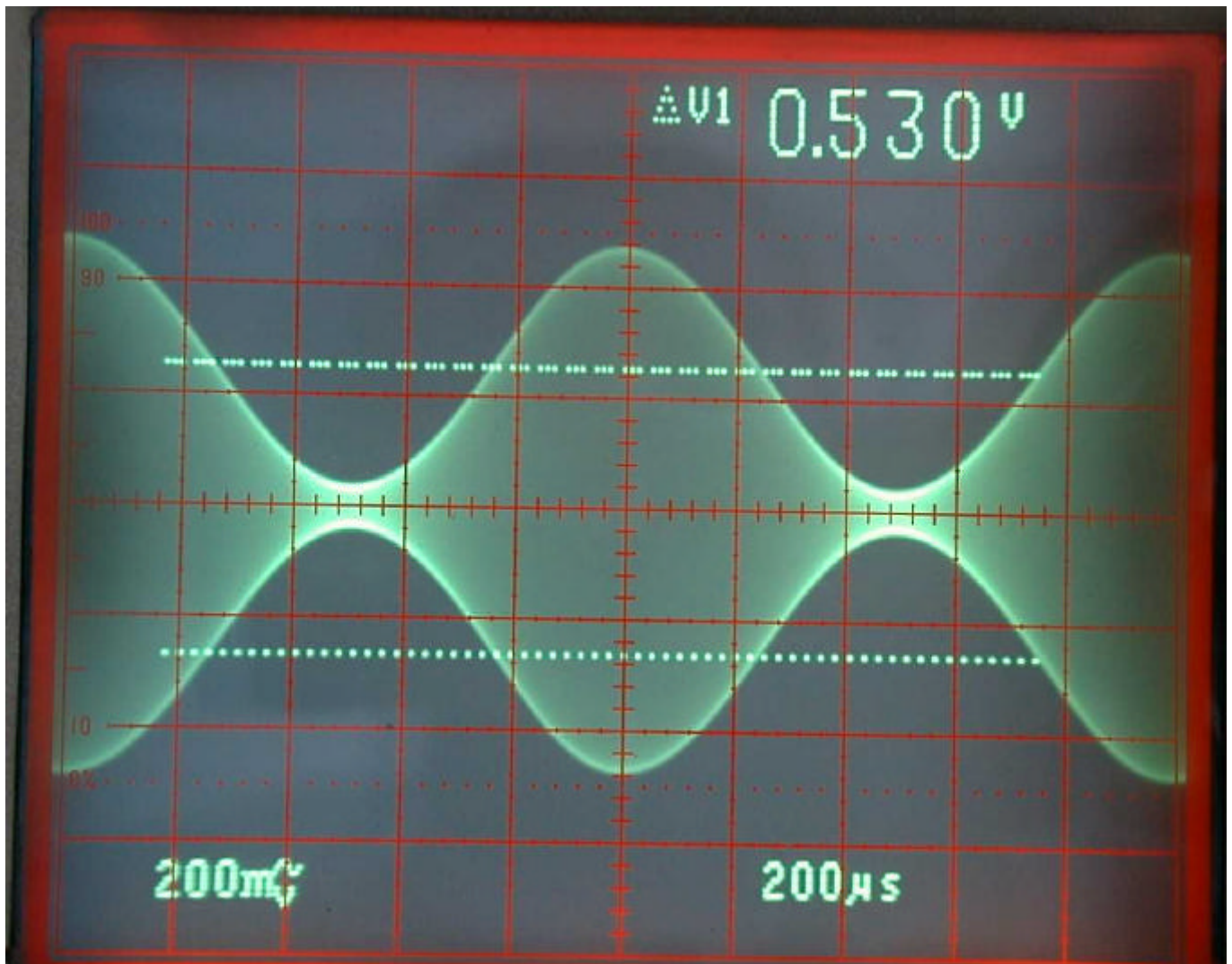
Modulation depth $m = 85\%$

Temperature $t = 23.0$ °C

Definitions

$U_{pp} = 490$ mV ®	4.90 W w/o modulation
$U_{pp} = 920$ mV ®	9.20 W (PEP) with modulation

Plot No.: 5



TX frequency $f = 118.000 \text{ MHz}$

Modulation frequency $f_m = 1000 \text{ Hz}$

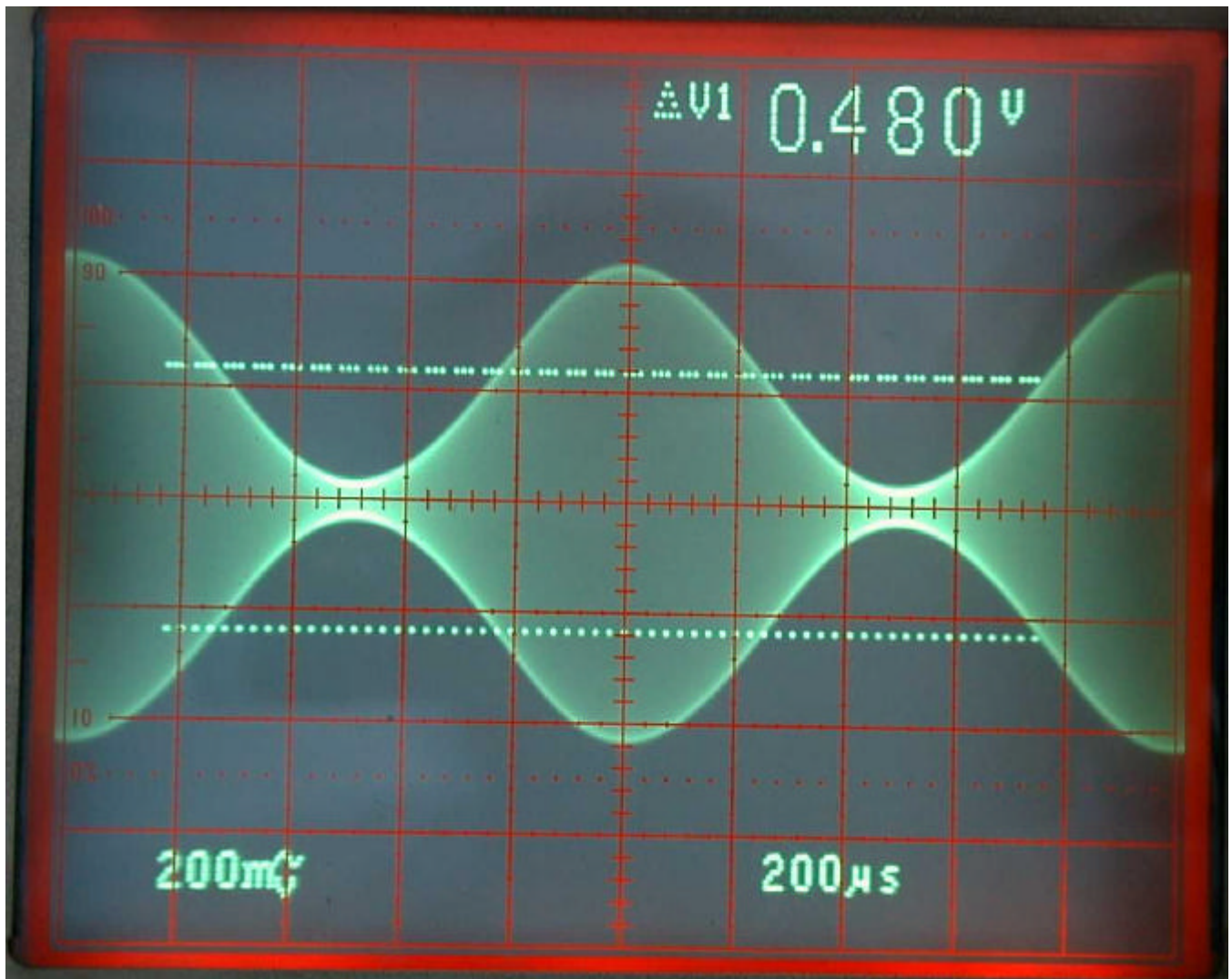
Modulation depth $m = 85 \%$

Temperature $t = 55.0 \text{ }^{\circ}\text{C}$

Definitions $U_{pp} = 530 \text{ mV} \text{ } \textcircled{R} \text{ } 5.30 \text{ W w/o modulation}$

$U_{pp} = 960 \text{ mV} \text{ } \textcircled{R} \text{ } 9.60 \text{ W (PEP) with modulation}$

Plot No.: 6



TX frequency $f = 127.500 \text{ MHz}$

Modulation frequency $f_m = 1000 \text{ Hz}$

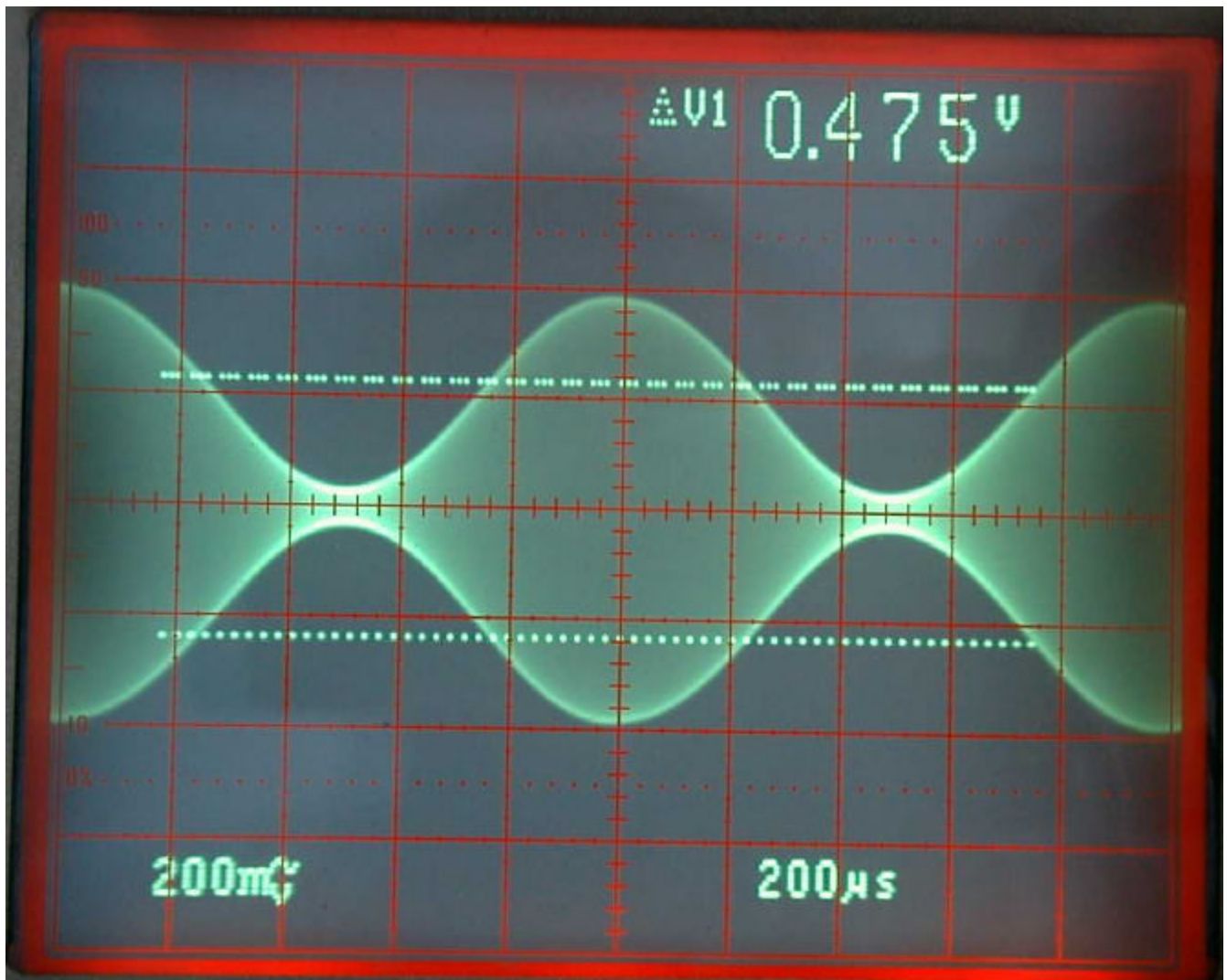
Modulation depth $m = 85 \%$

Temperature $t = 55.0 \text{ }^{\circ}\text{C}$

Definitions

$U_{pp} = 480 \text{ mV} @ 4.80 \text{ W}$	w/o modulation
$U_{pp} = 920 \text{ mV} @ 9.20 \text{ W}$	(PEP) with modulation

Plot No.: 7



TX frequency $f = 136.975$ MHz

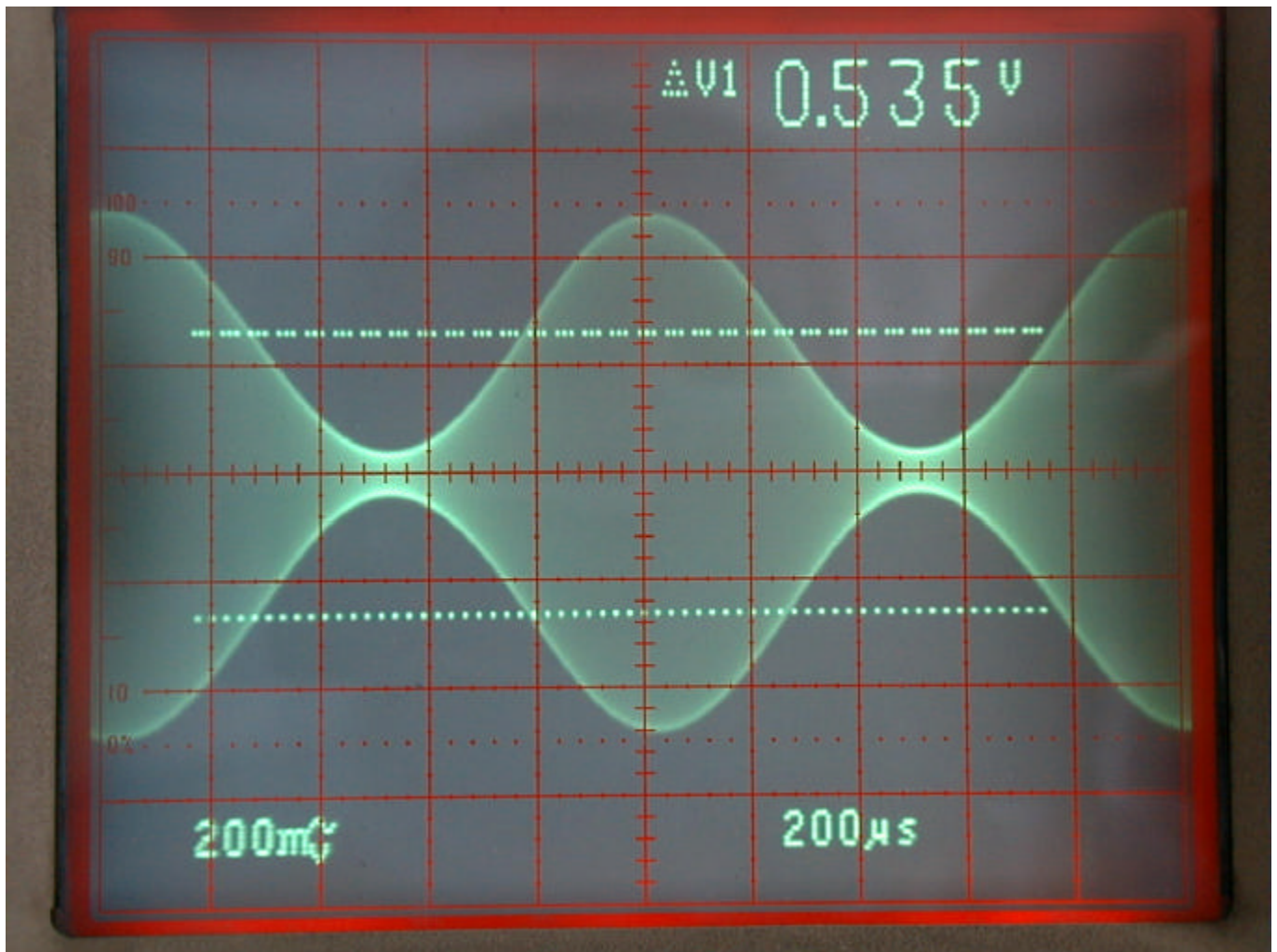
Modulation frequency $f_m = 1000$ Hz

Modulation depth $m = 85$ %

Temperature $t = 55.0$ °C

Definitions $U_{pp} = 475$ mV ® 4.75 W w/o modulation
 $U_{pp} = 890$ mV ® 8.90 W (PEP) with modulation

Plot No.: 8

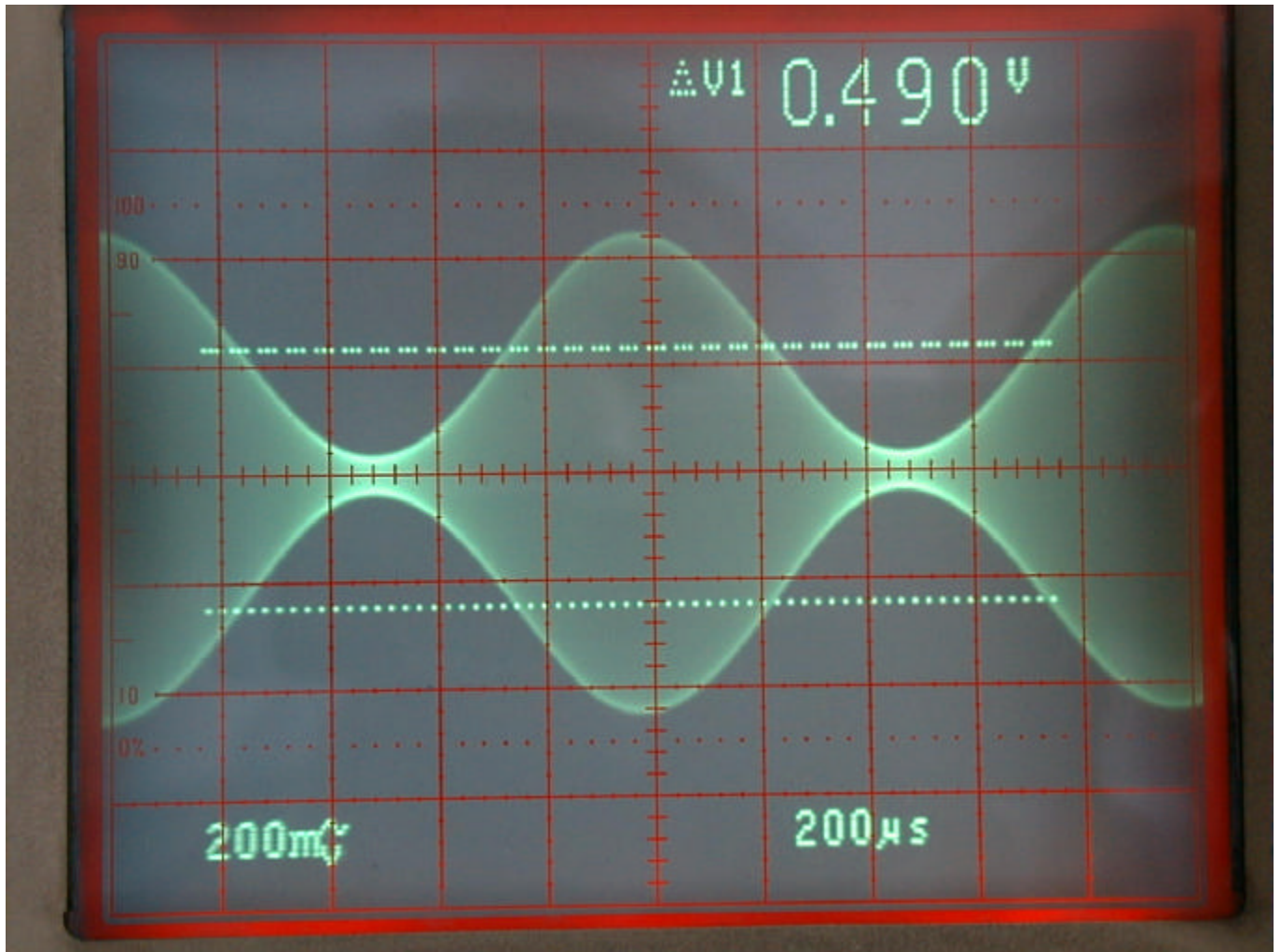


TX frequency	$f = 118.000 \text{ MHz}$
Modulation frequency	$f_m = 1000 \text{ Hz}$
Modulation depth	$m = 85 \%$

Temperature	$t = -20.0 \text{ }^{\circ}\text{C}$
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Definitions	$U_{pp} = 535 \text{ mV} \text{ } \textcircled{R} \text{ } 5.35 \text{ W w/o modulation}$
	$U_{pp} = 990 \text{ mV} \text{ } \textcircled{R} \text{ } 9.90 \text{ W (PEP) with modulation}$

Plot No.: 9

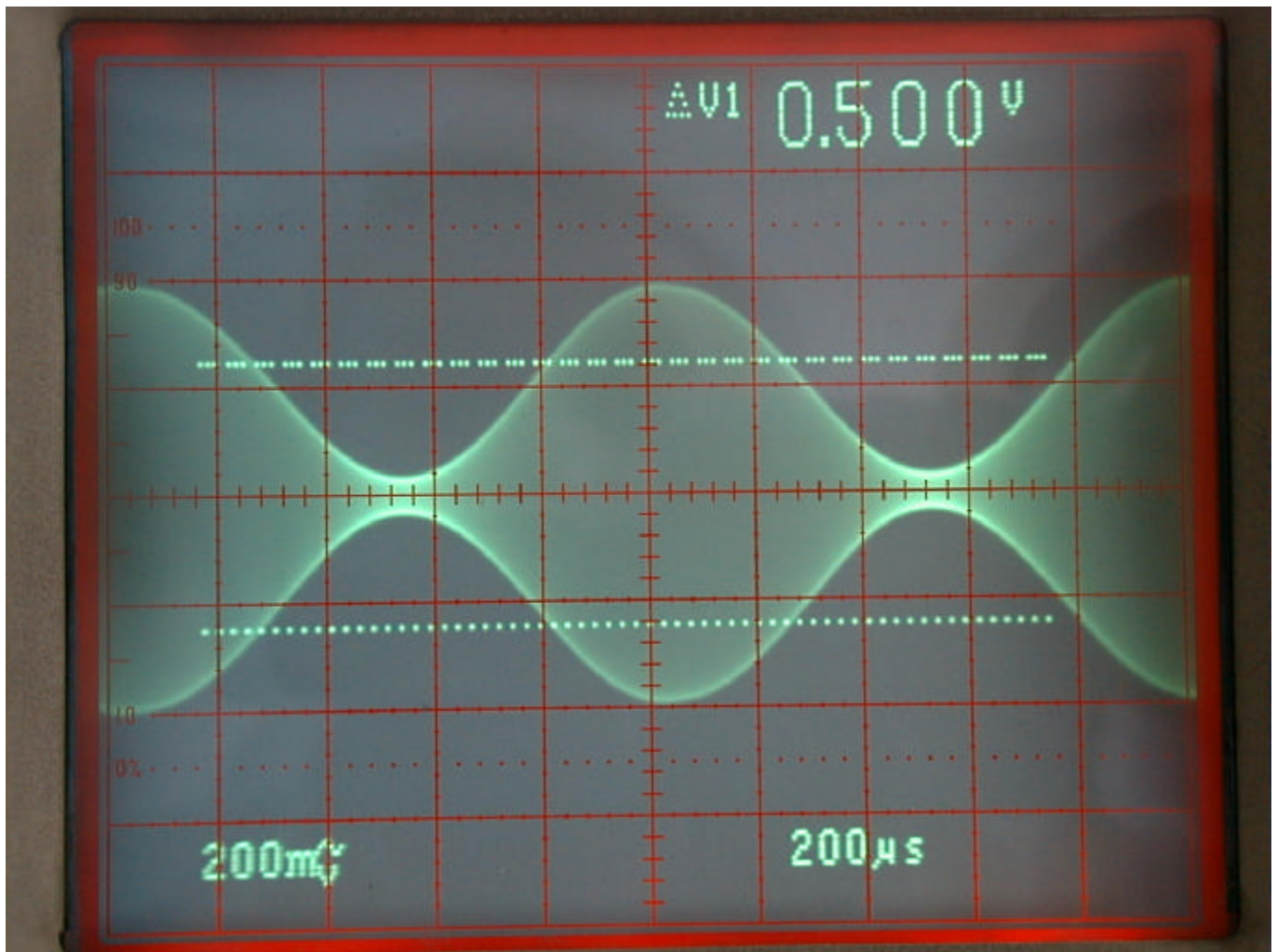


TX frequency	$f = 127.500 \text{ MHz}$
Modulation frequency	$f_m = 1000 \text{ Hz}$
Modulation depth	$m = 85 \%$

Temperature	$t = -20.0 \text{ }^{\circ}\text{C}$
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Definitions	$U_{pp} = 490 \text{ mV} \text{ }^{\circledast} 4.90 \text{ W w/o modulation}$
	$U_{pp} = 890 \text{ mV} \text{ }^{\circledast} 8.90 \text{ W (PEP) with modulation}$

Plot No.: 10

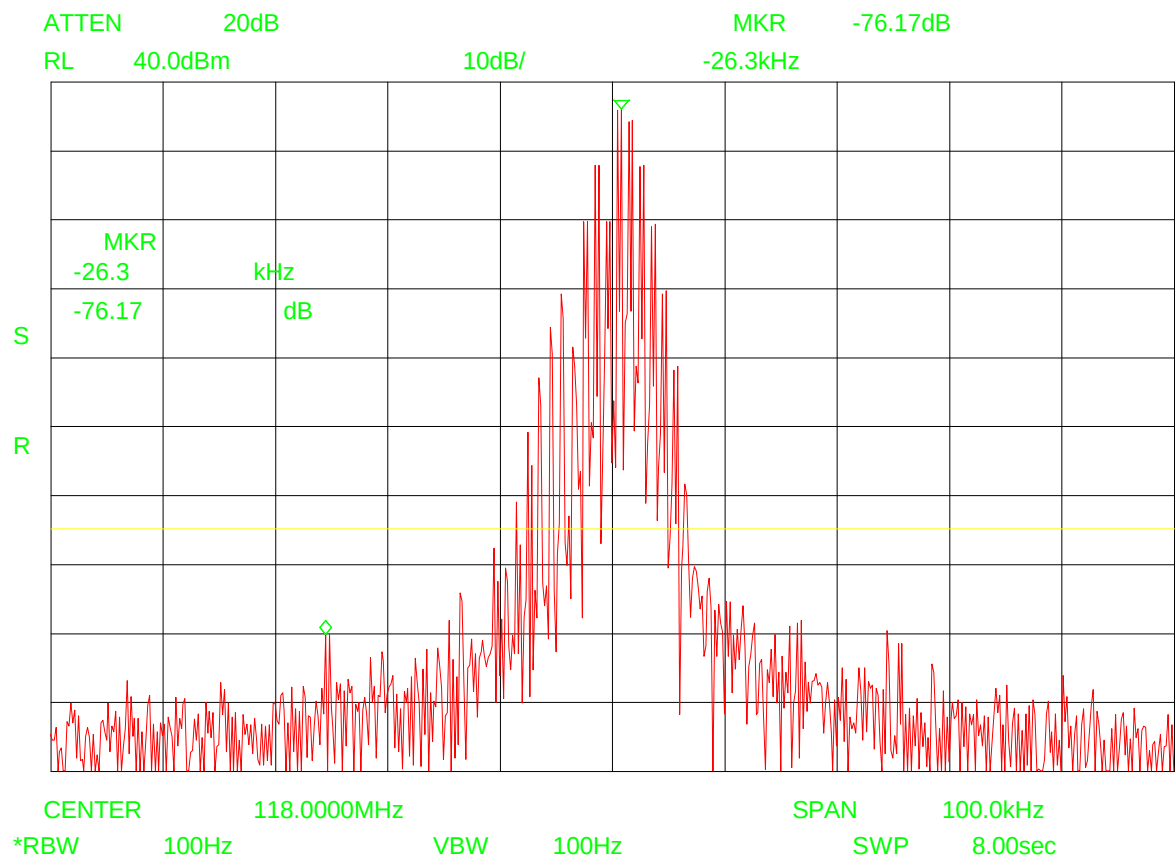


TX frequency	f = 136.975 MHz
Modulation frequency	f m = 1000 Hz
Modulation depth	m = 85 %

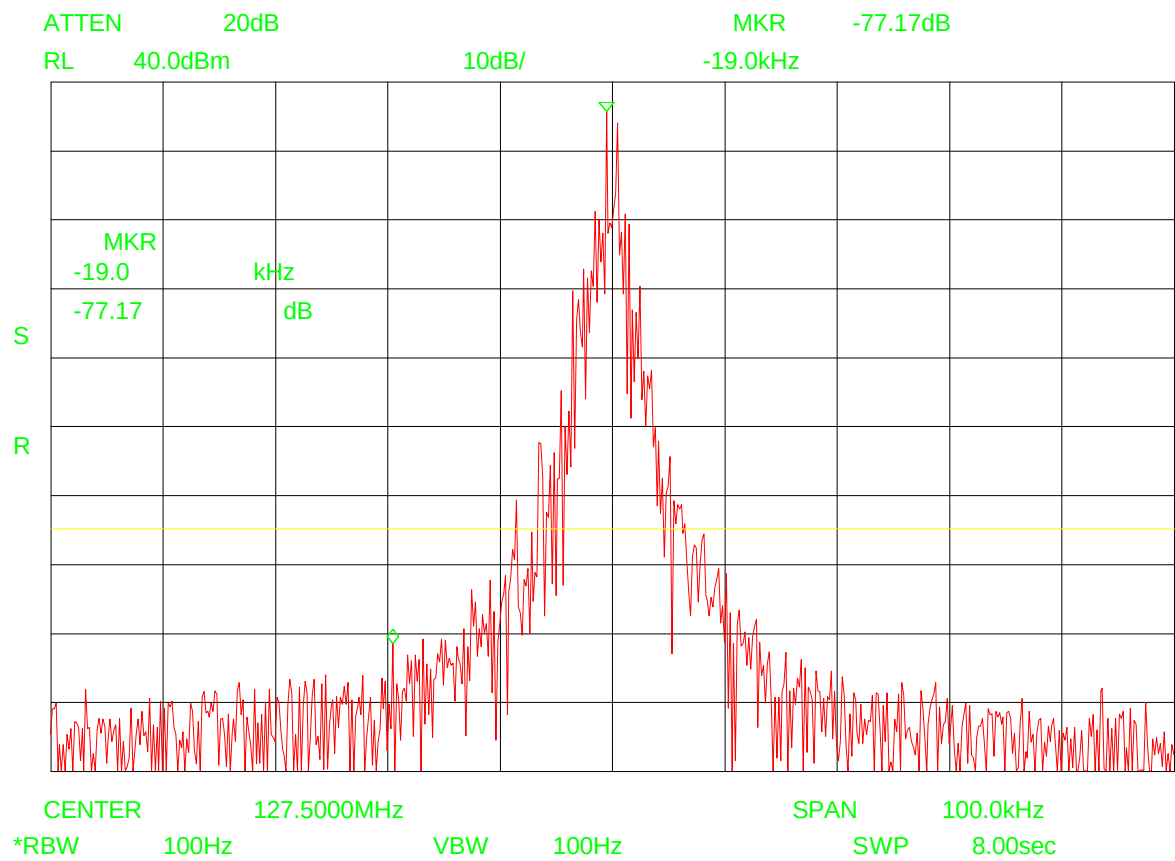
Temperature	t = -20.0 °C
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Definitions	U_{pp} = 500 mV ® 5.00 W w/o modulation
	U_{pp} = 790 mV ® 7.90 W (PEP) with modulation

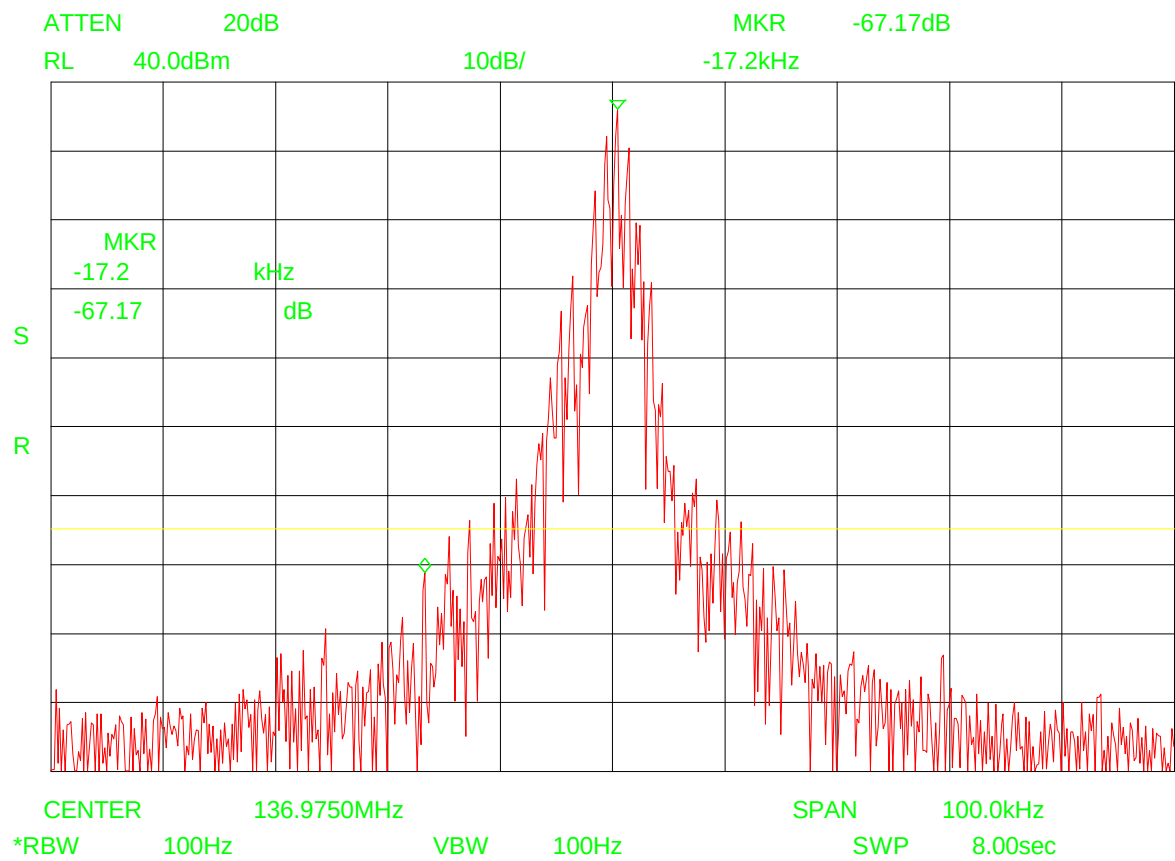
Plot No.: 11



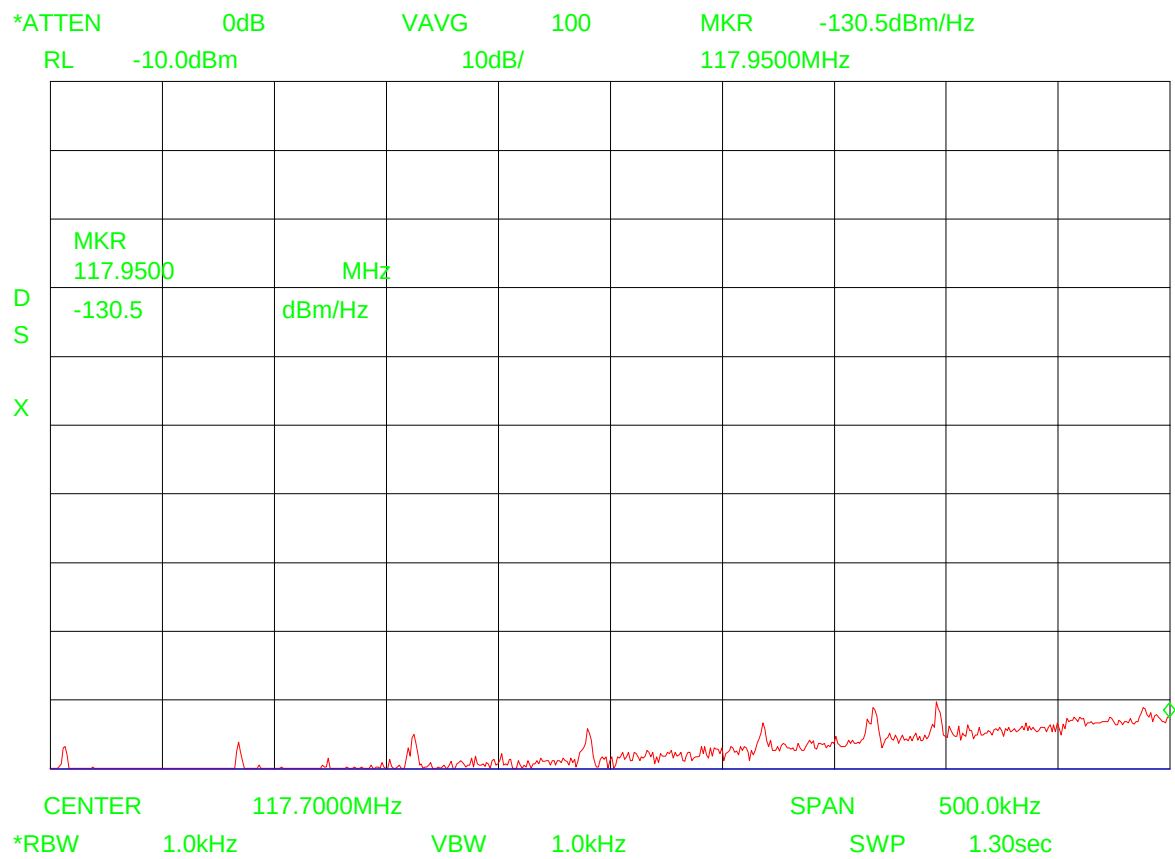
Plot No.: 12



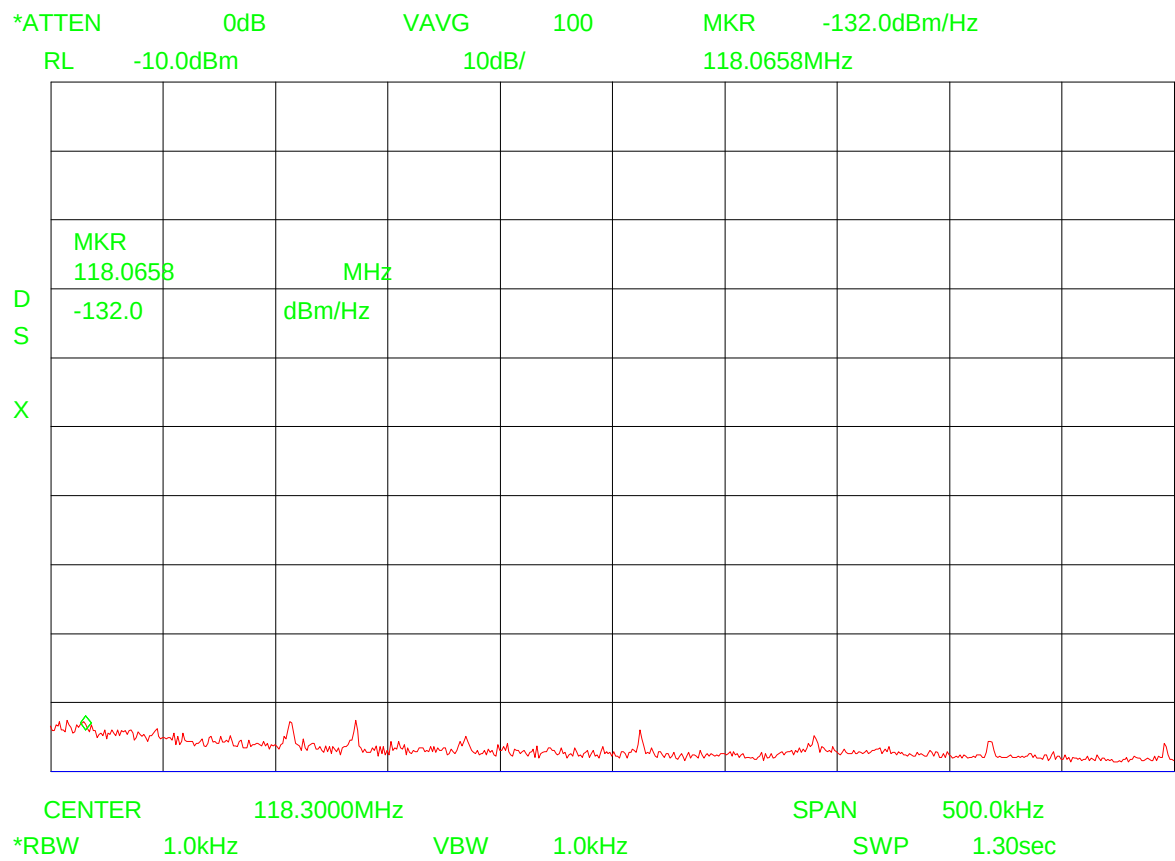
Plot No.: 13



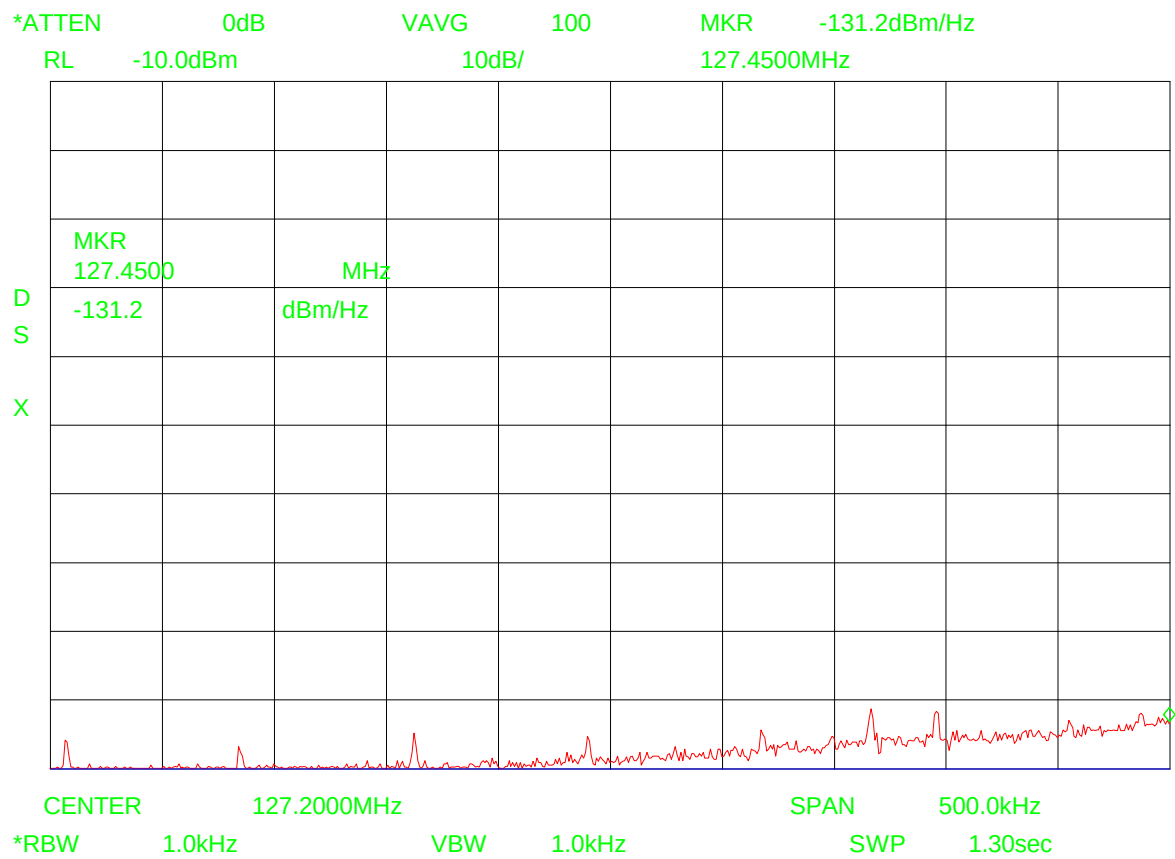
Plot No.: 14



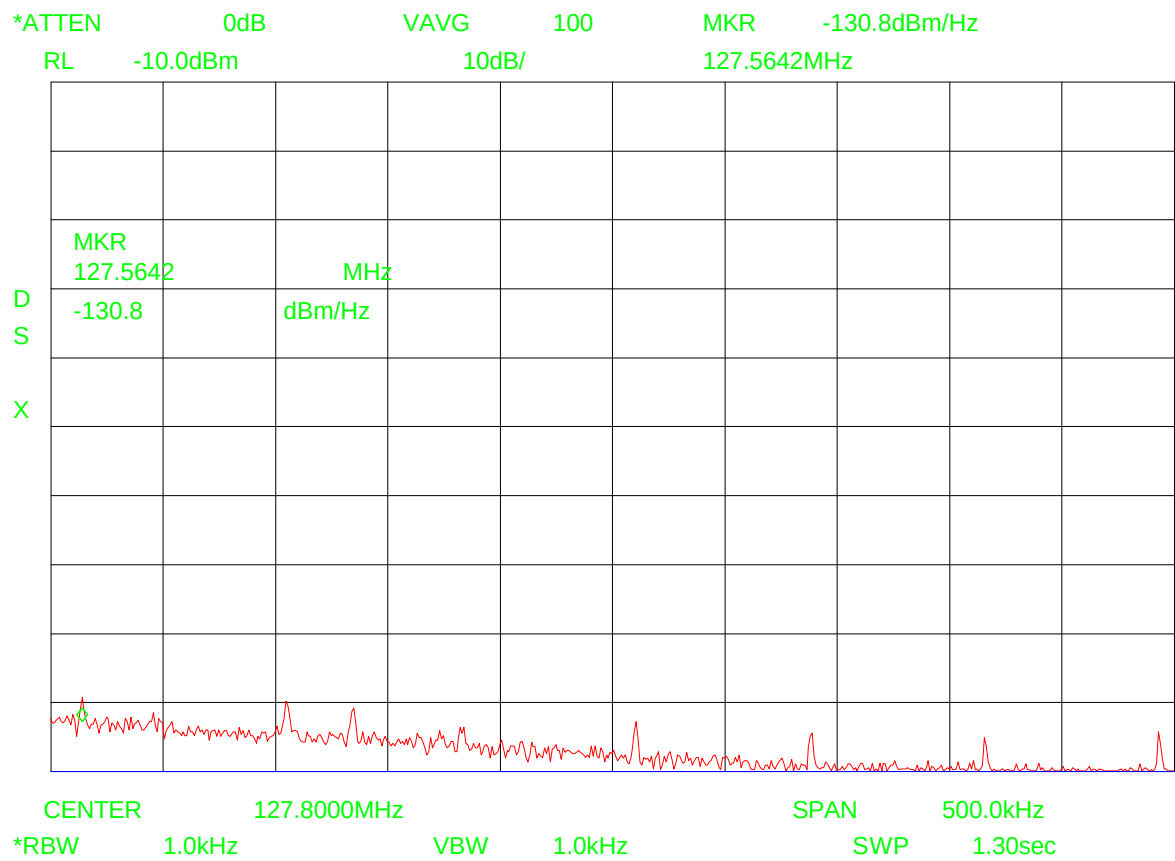
Plot No.: 15



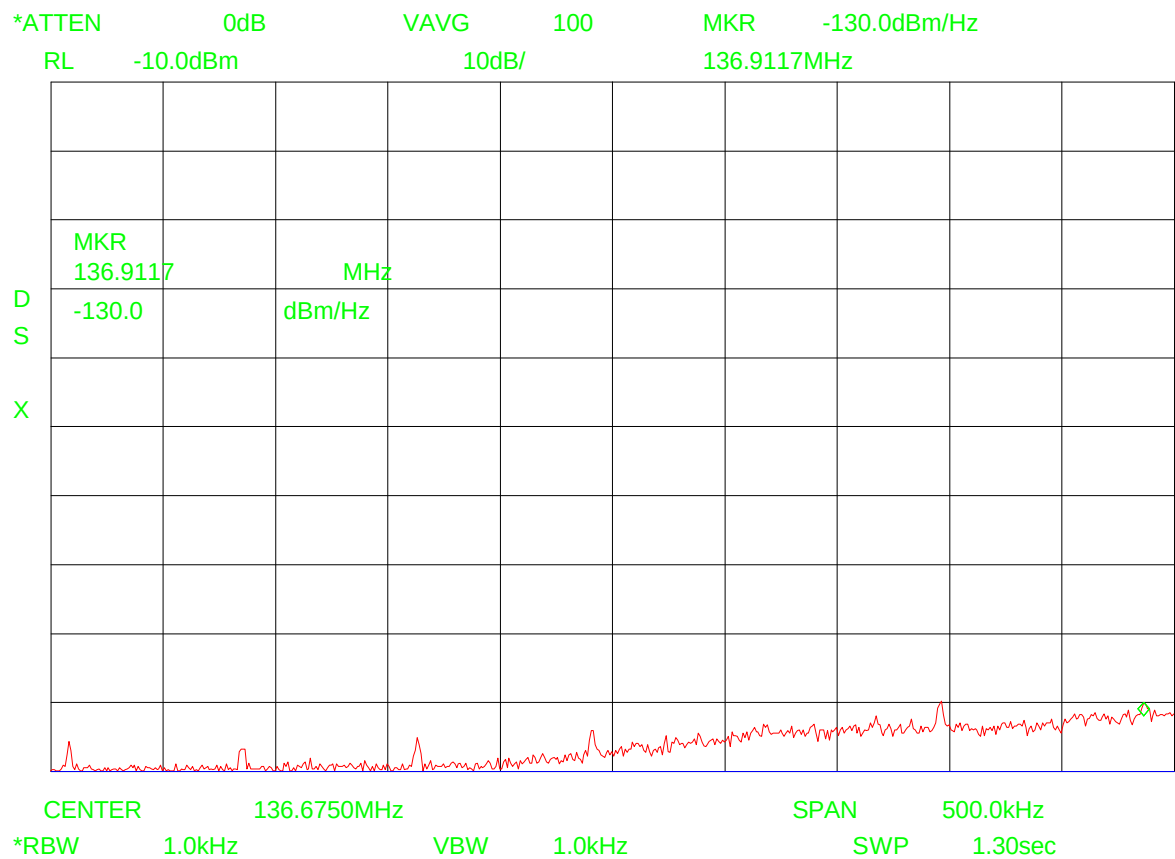
Plot No.: 16



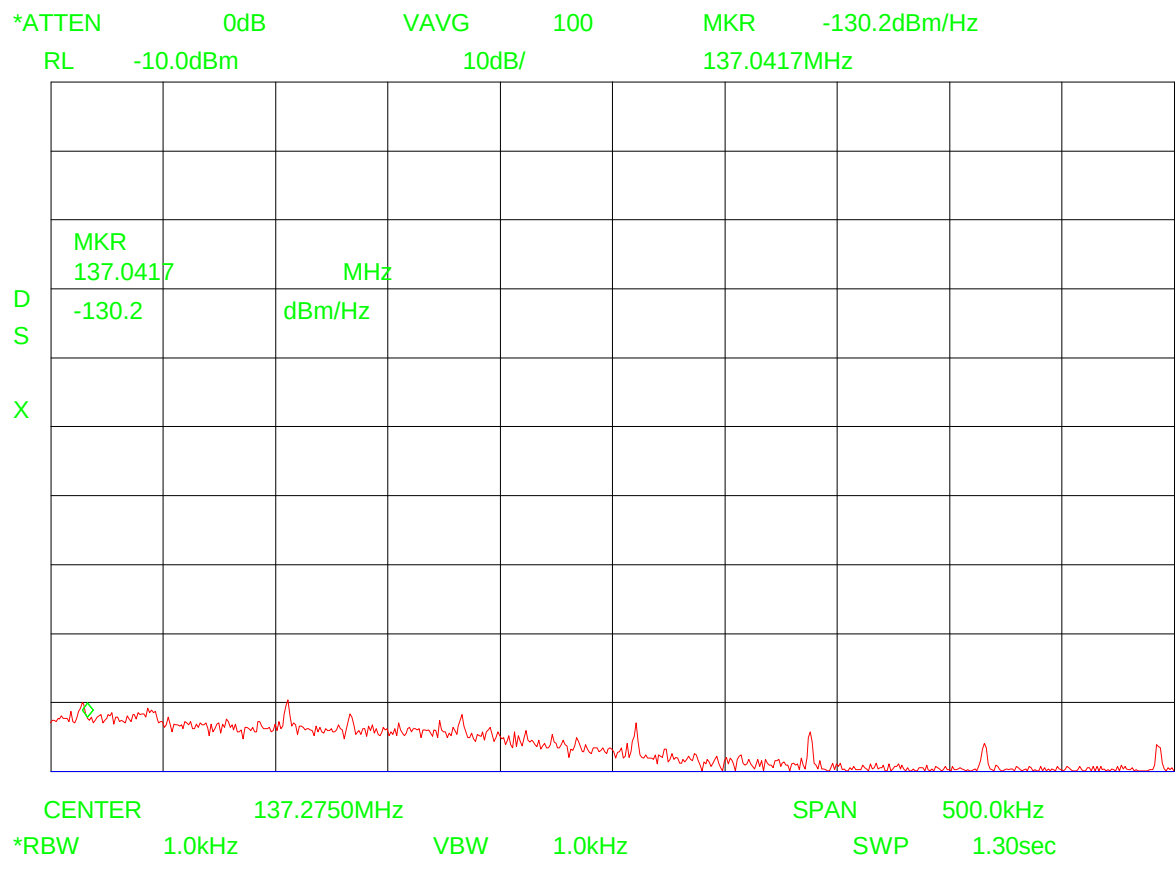
Plot No.: 17



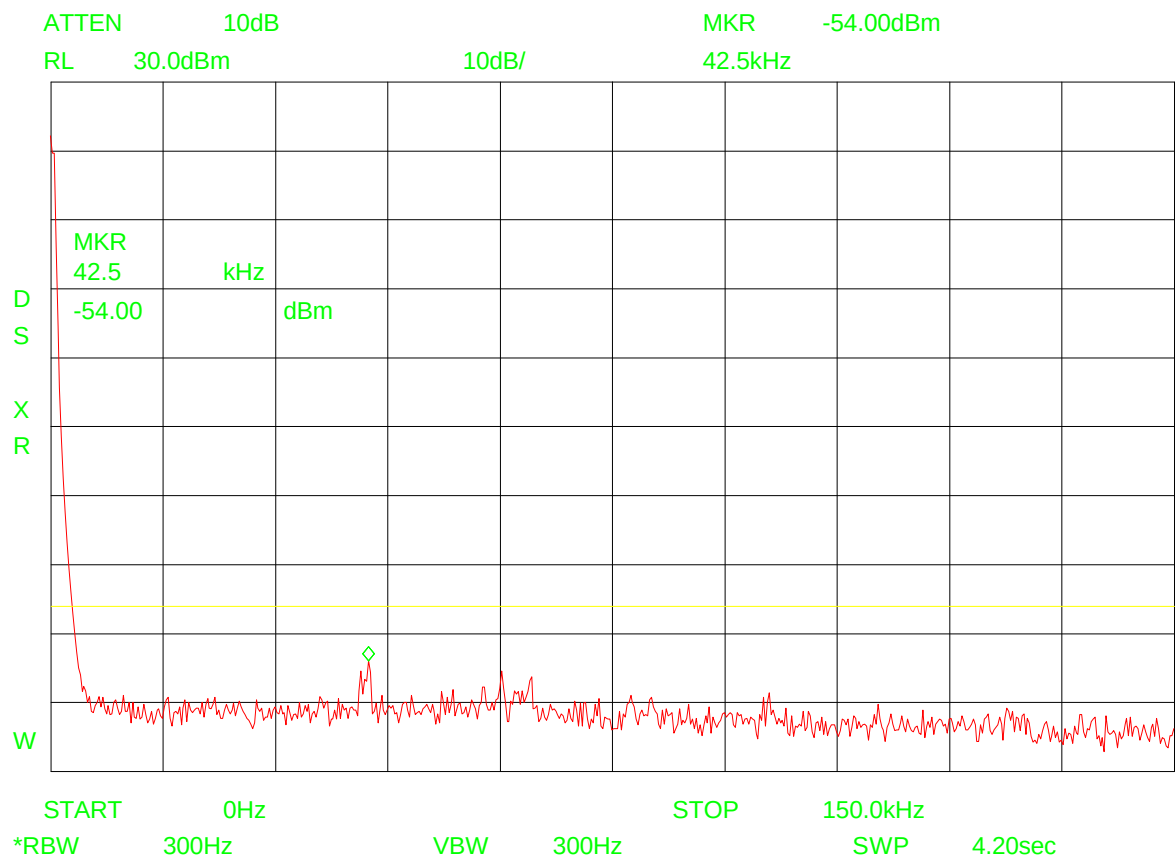
Plot No.: 18



Plot No.: 19

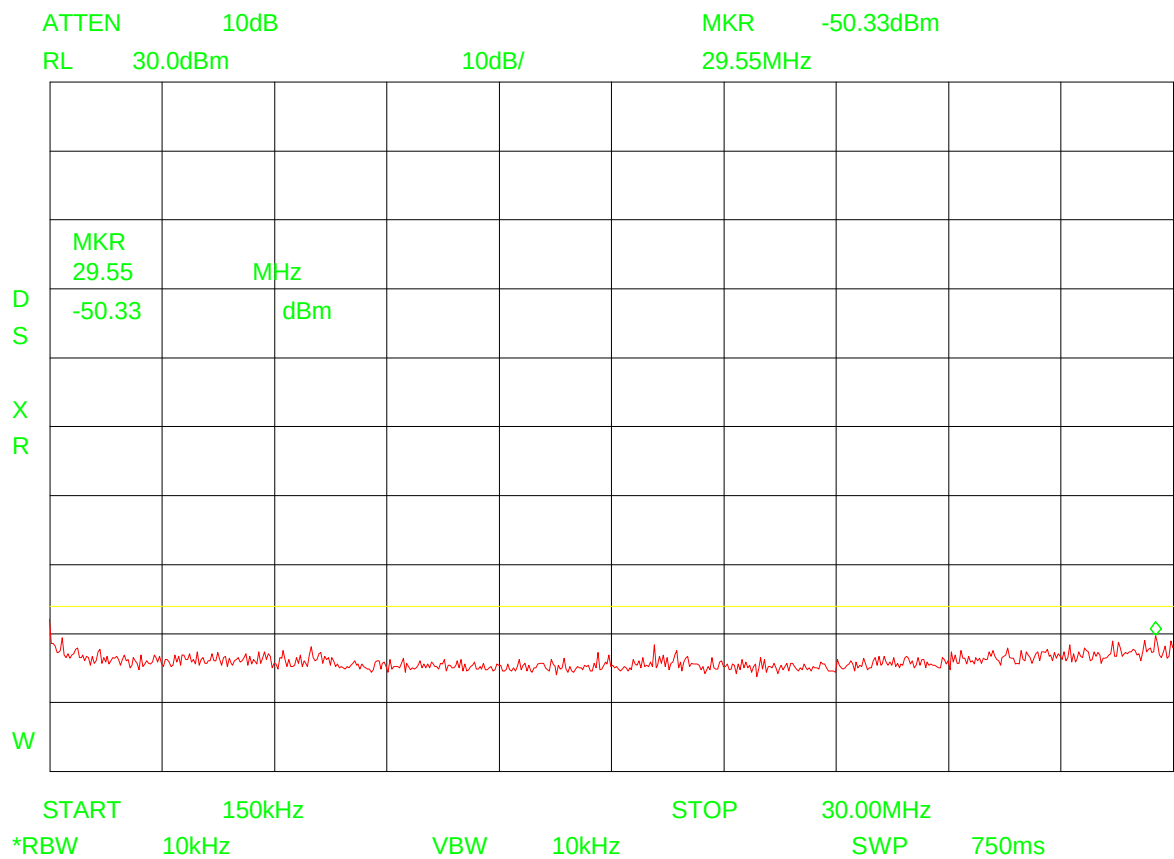


Plot No.: 20



TX frequency f = 118.000 / 127.500 / 136.975 MHz
Detector mode D = positive peak
Display Max. hold

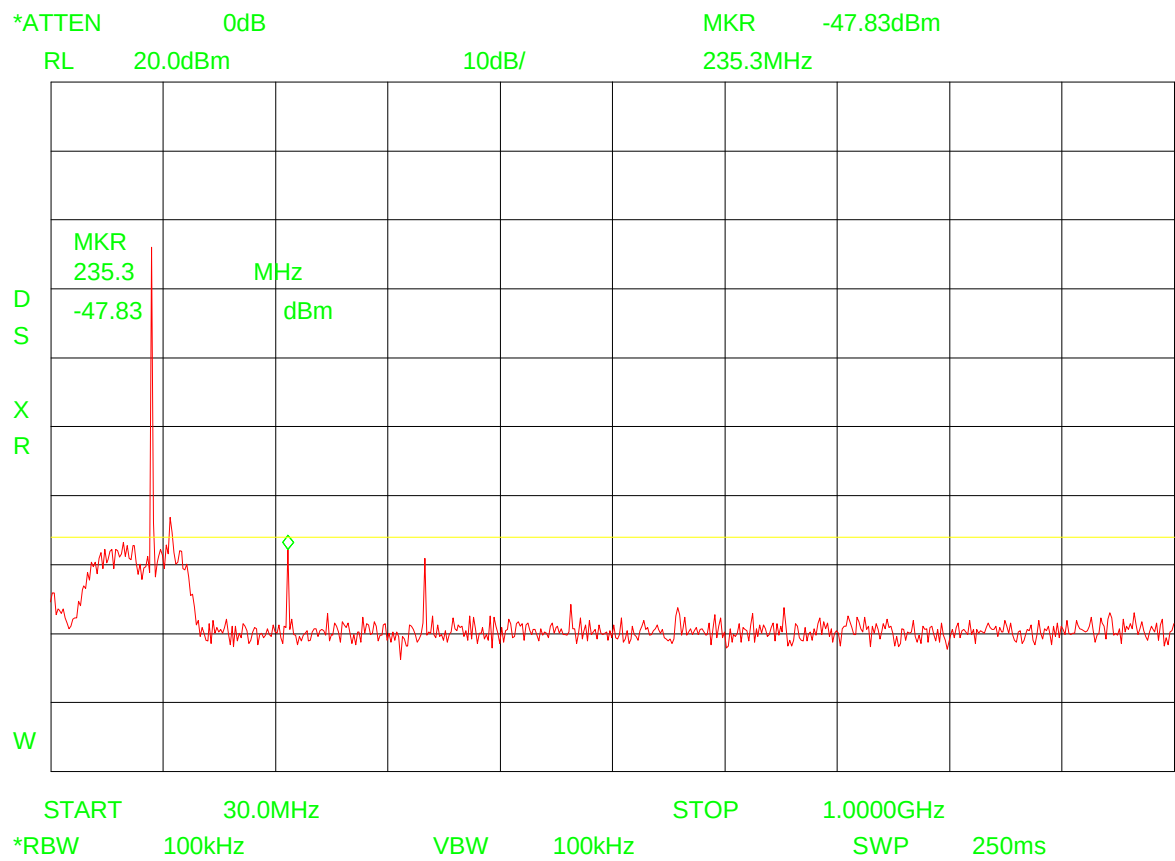
Plot No.: 21



TX frequency
Detector mode
Display

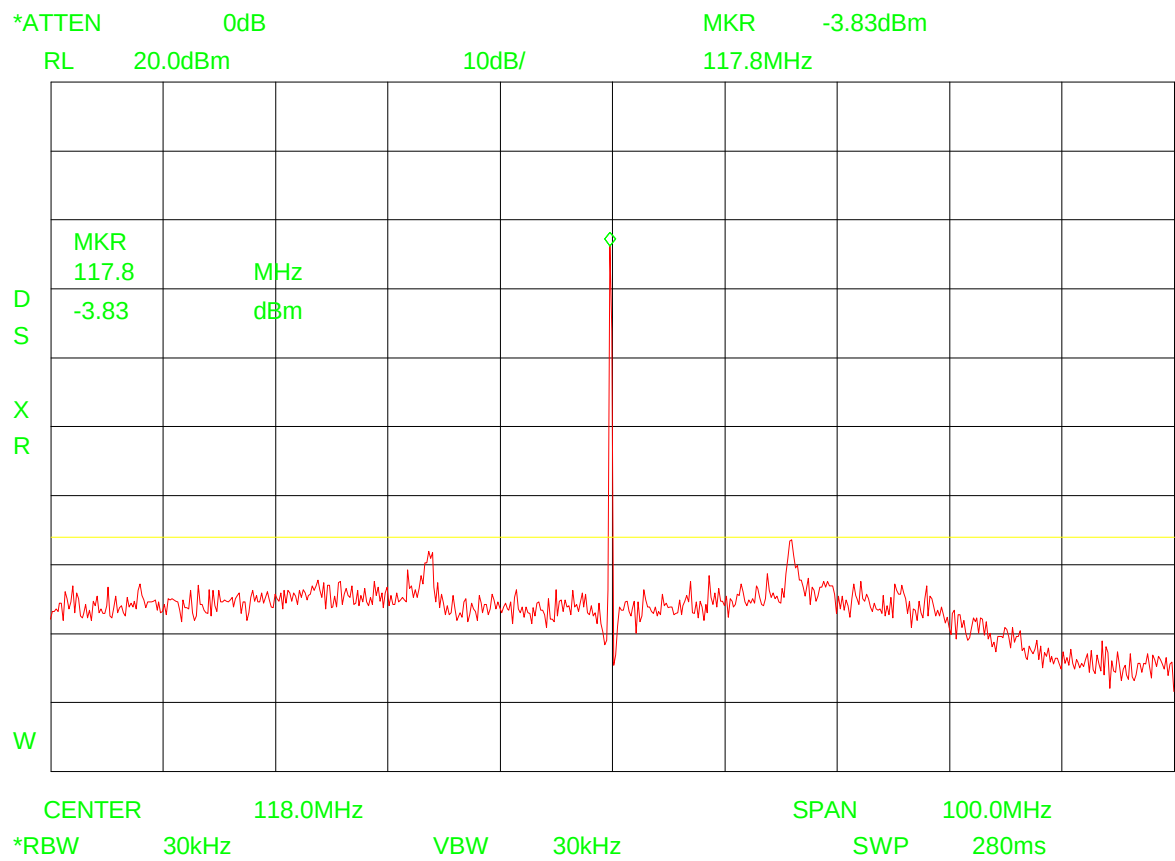
f = 118.000 / 127.500 / 136.975 MHz
D = positive peak
Max. hold

Plot No.: 22



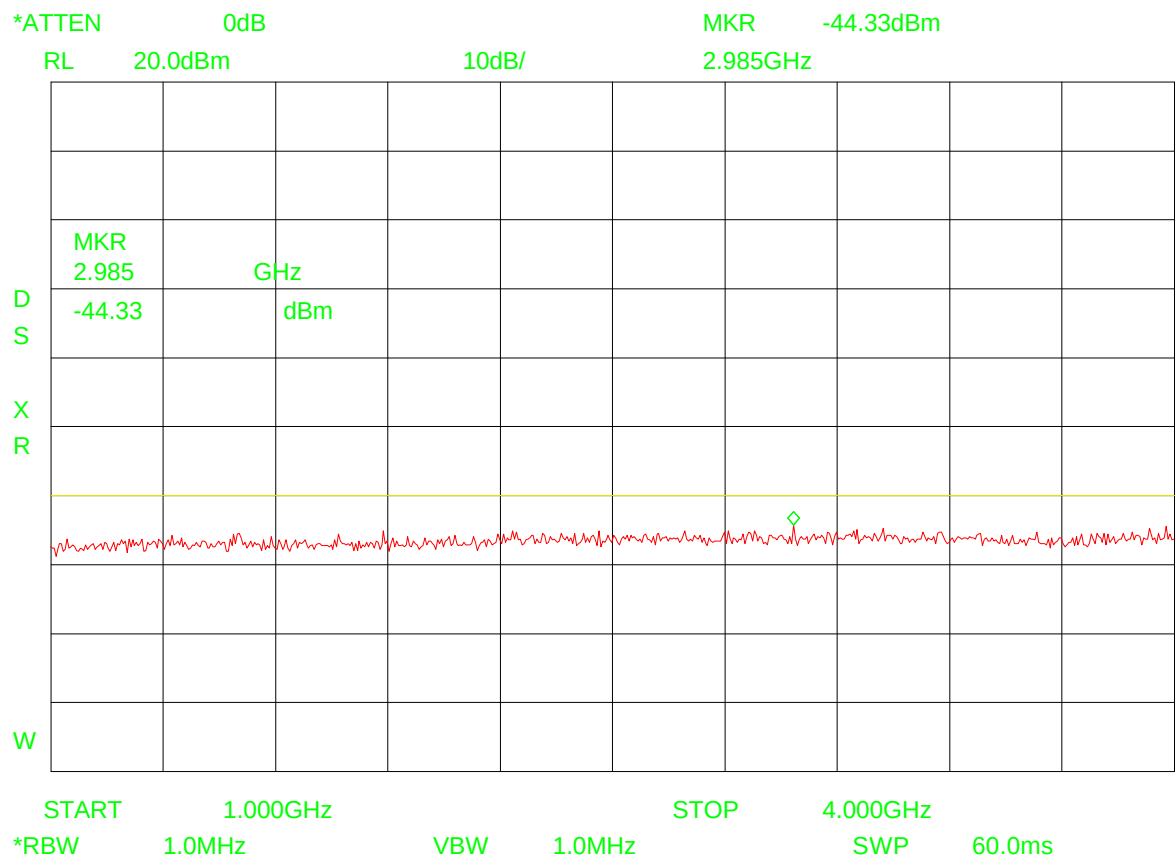
TX frequency **f = 118.000 MHz**
Detector mode **D = positive peak**
Display **Max. hold**

Plot No.: 23



TX frequency **f = 118.000 MHz**
Detector mode **D = positive peak**
Display **Max. hold**

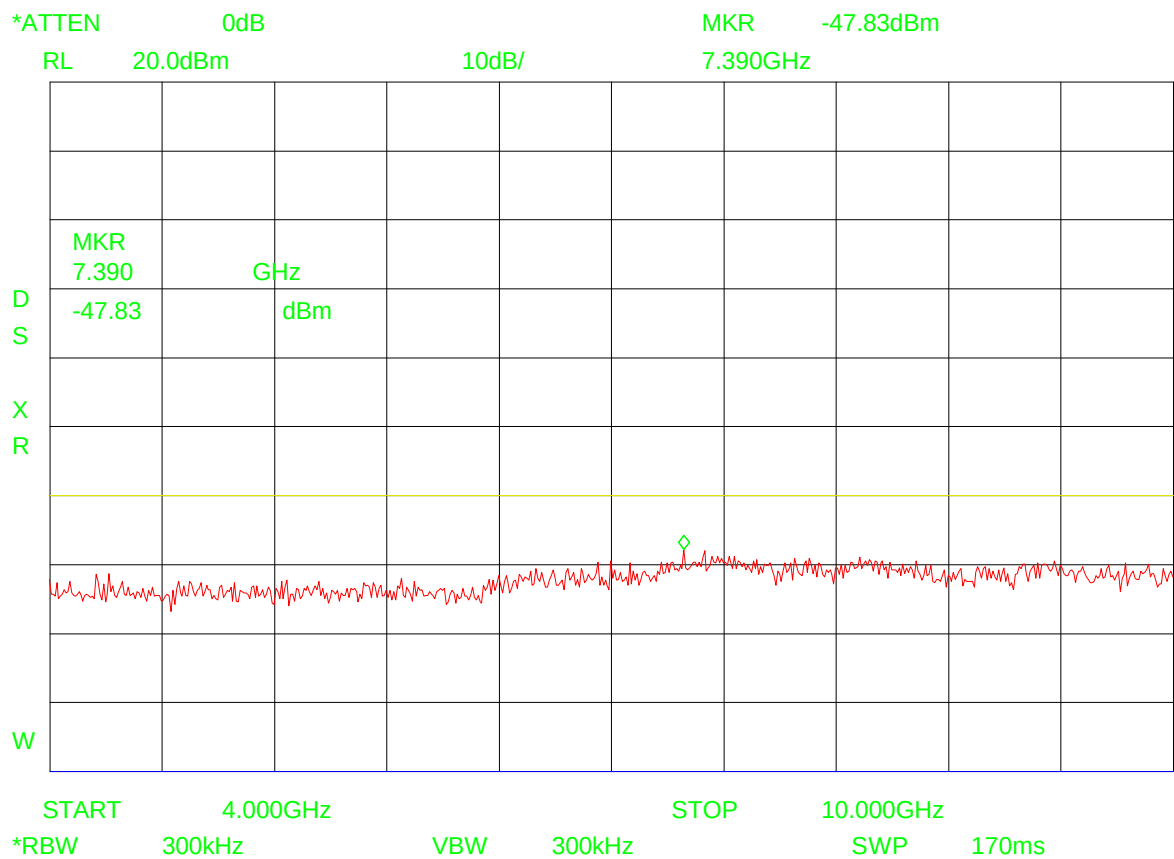
Plot No.: 24



TX frequency
Detector mode
Display

f = 118.000 / 127.500 / 136.975 MHz
D = positive peak
Max. hold

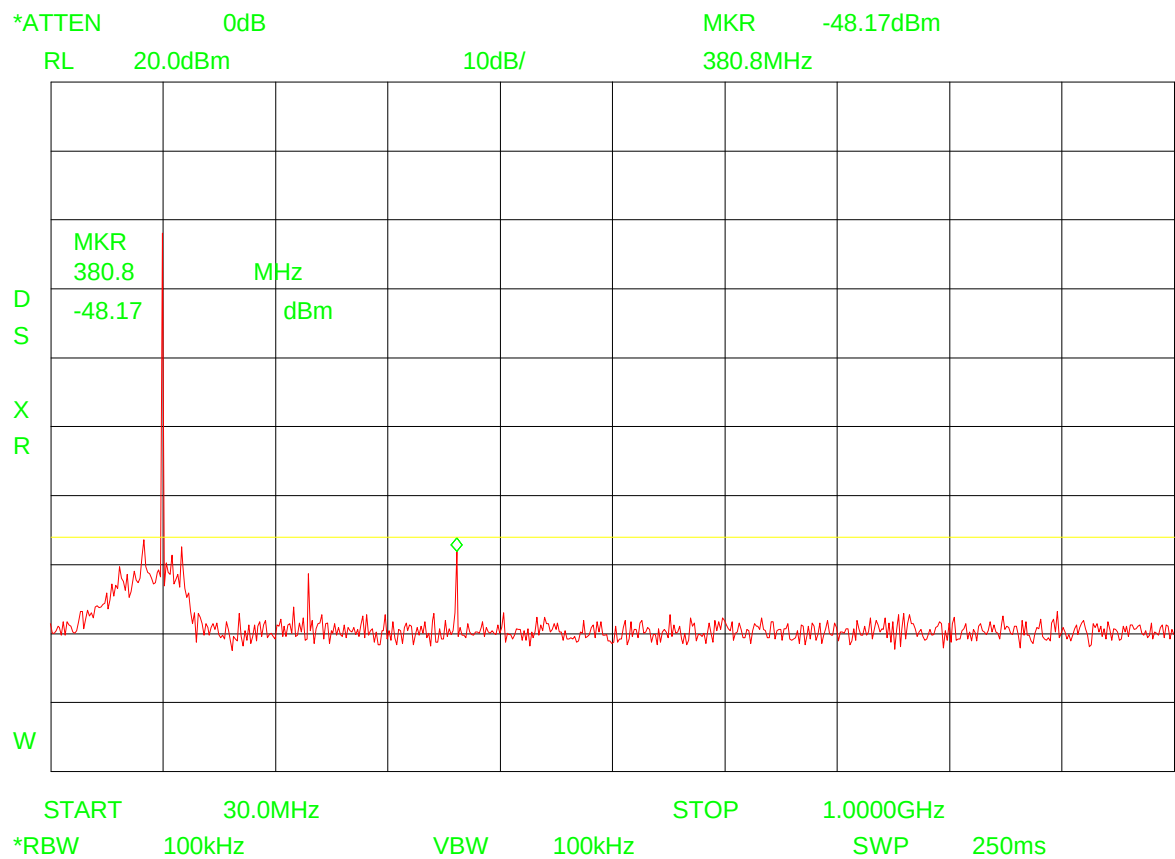
Plot No.: 25



TX frequency
Detector mode
Display

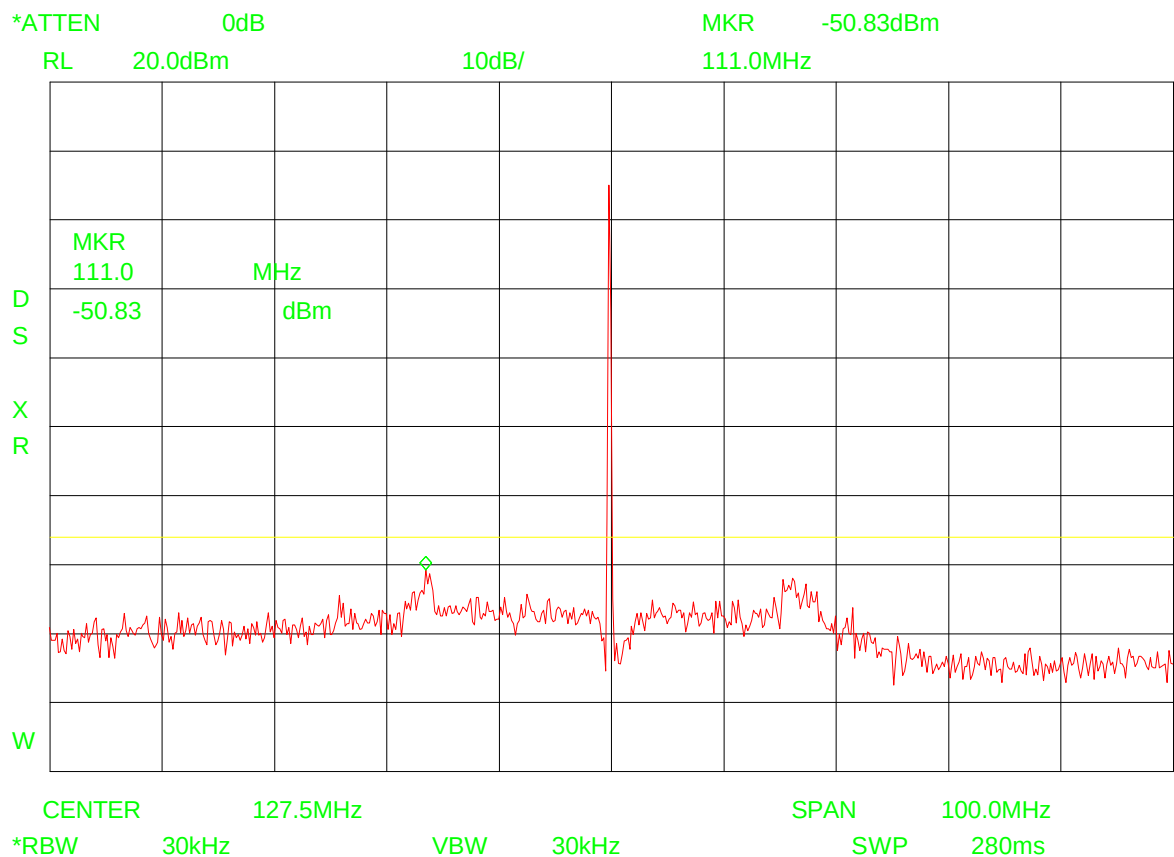
f = 118.000 / 127.500 / 136.975 MHz
D = positive peak
Max. hold

Plot No.: 26



TX frequency f = 127.500 MHz
Detector mode D = positive peak
Display Max. hold

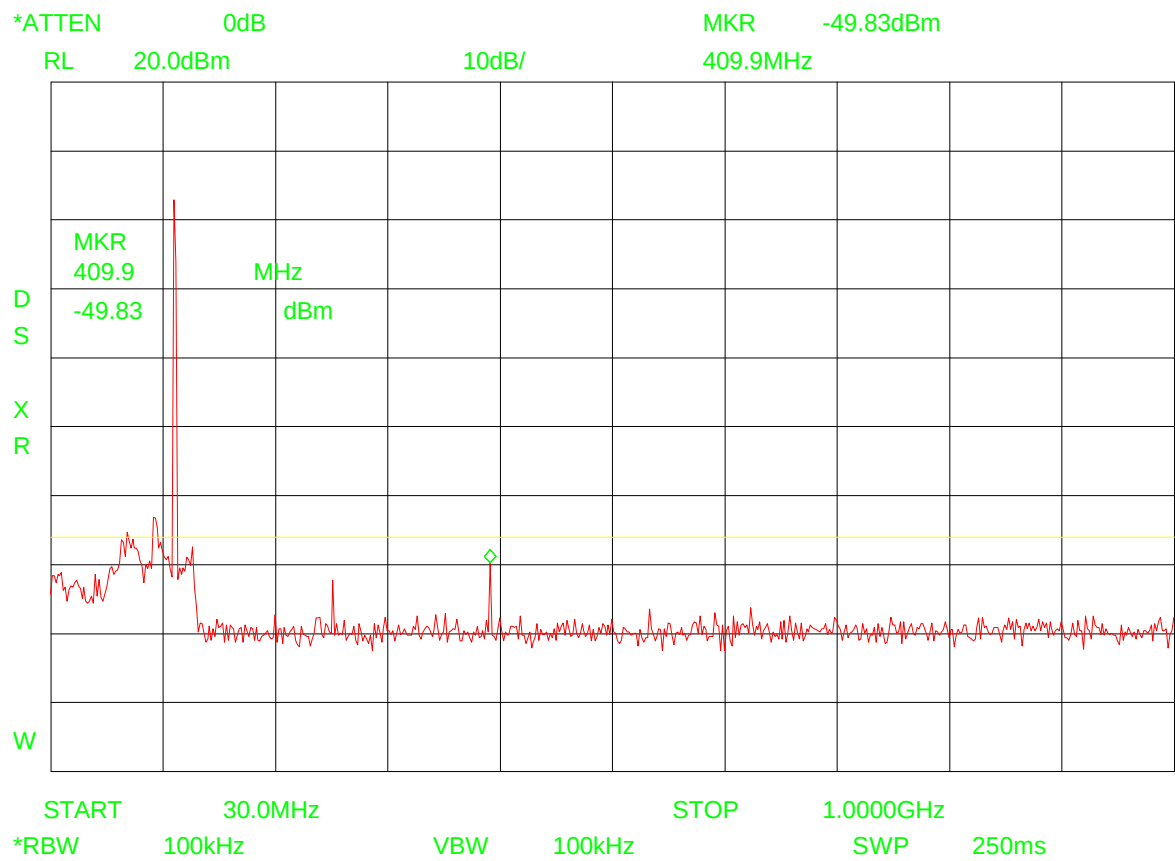
Plot No.: 27



TX frequency
Detector mode
Display

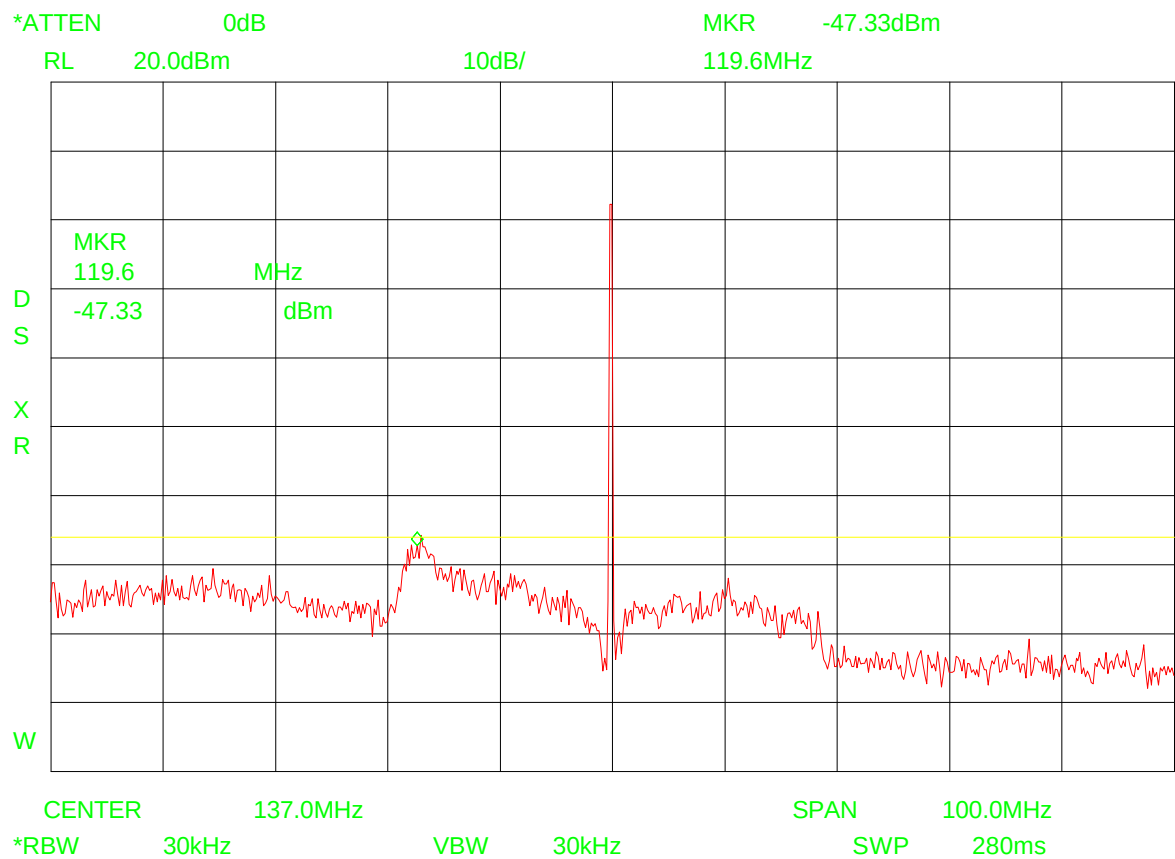
$f = 127.500 \text{ MHz}$
D = positive peak
Max. hold

Plot No.: 28



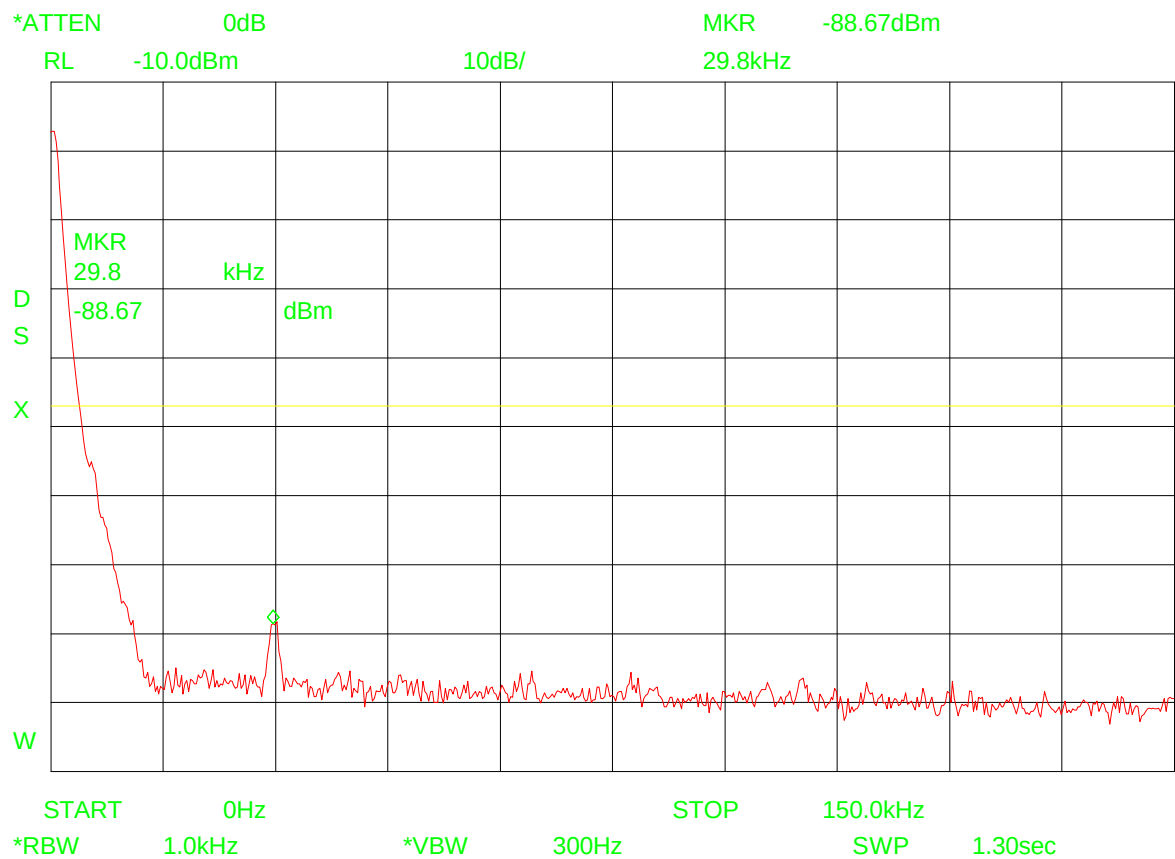
TX frequency **f = 136.975 MHz**
Detector mode **D = positive peak**
Display **Max. hold**

Plot No.: 29



TX frequency f = 136.975 MHz
Detector mode D = positive peak
Display Max. hold

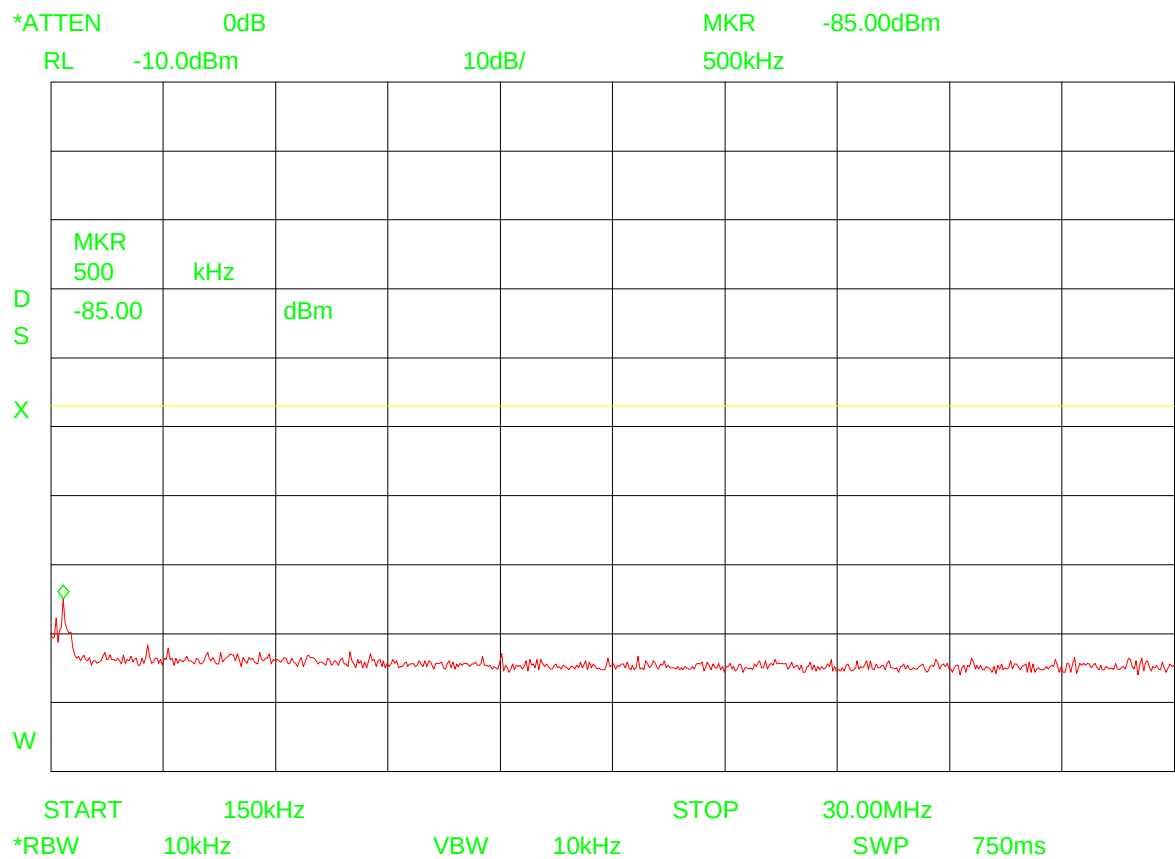
Plot No.: 30



RX frequency
Detector mode
Display

f = 118.000 / 127.500 / 136.975 MHz
D = positive peak
Max. hold

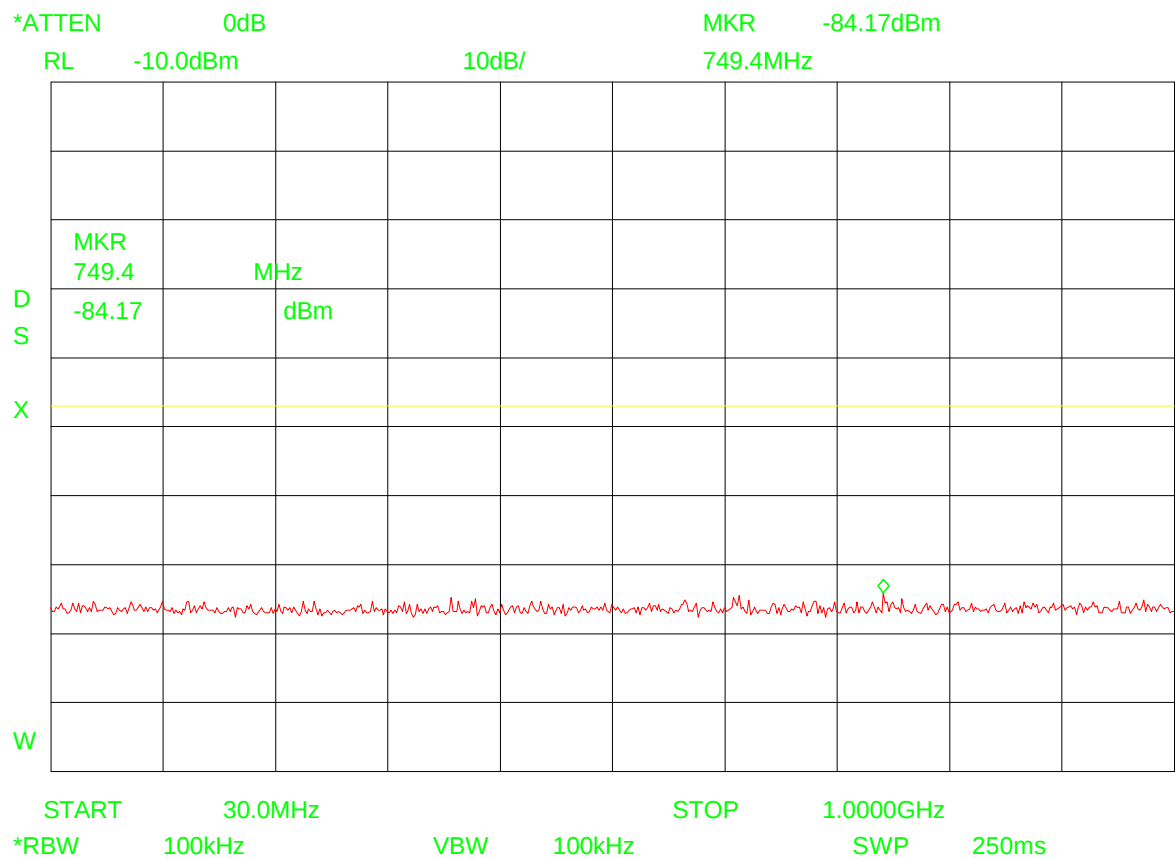
Plot No.: 31



RX frequency
Detector mode
Display

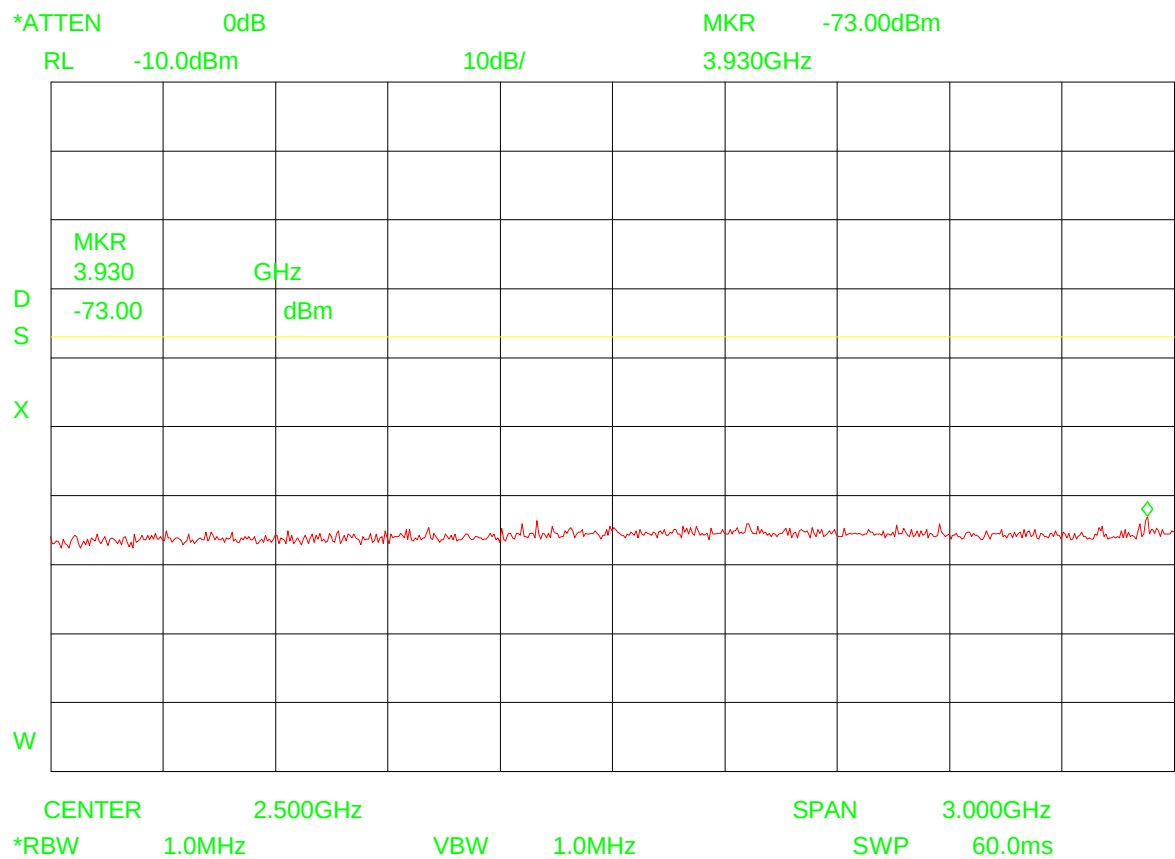
f = 118.000 / 127.500 / 136.975 MHz
D = positive peak
Max. hold

Plot No.: 32



RX frequency f = 118.000 / 127.500 / 136.975 MHz
Detector mode D = positive peak
Display Max. hold

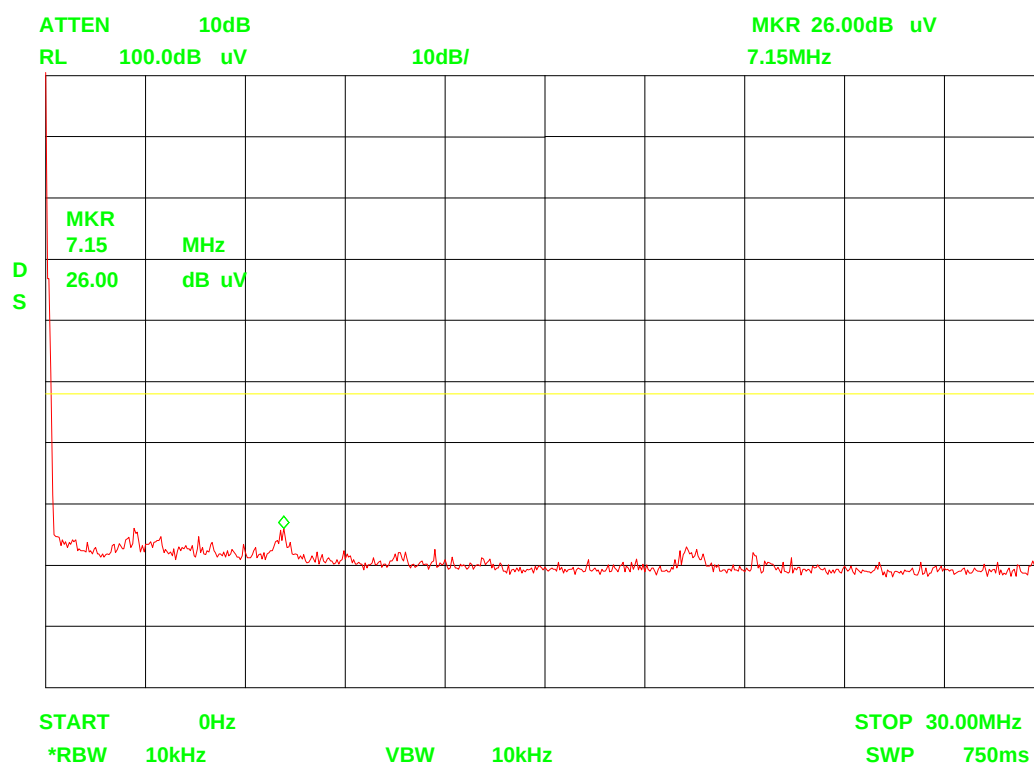
Plot No.: 33



RX frequency
Detector mode
Display

f = 118.000 / 127.500 / 136.975 MHz
D = positive peak
Max. hold

Plot No.: 34



RX frequencies

$f = 118.000 / 127.500 / 136.975 \text{ MHz}$

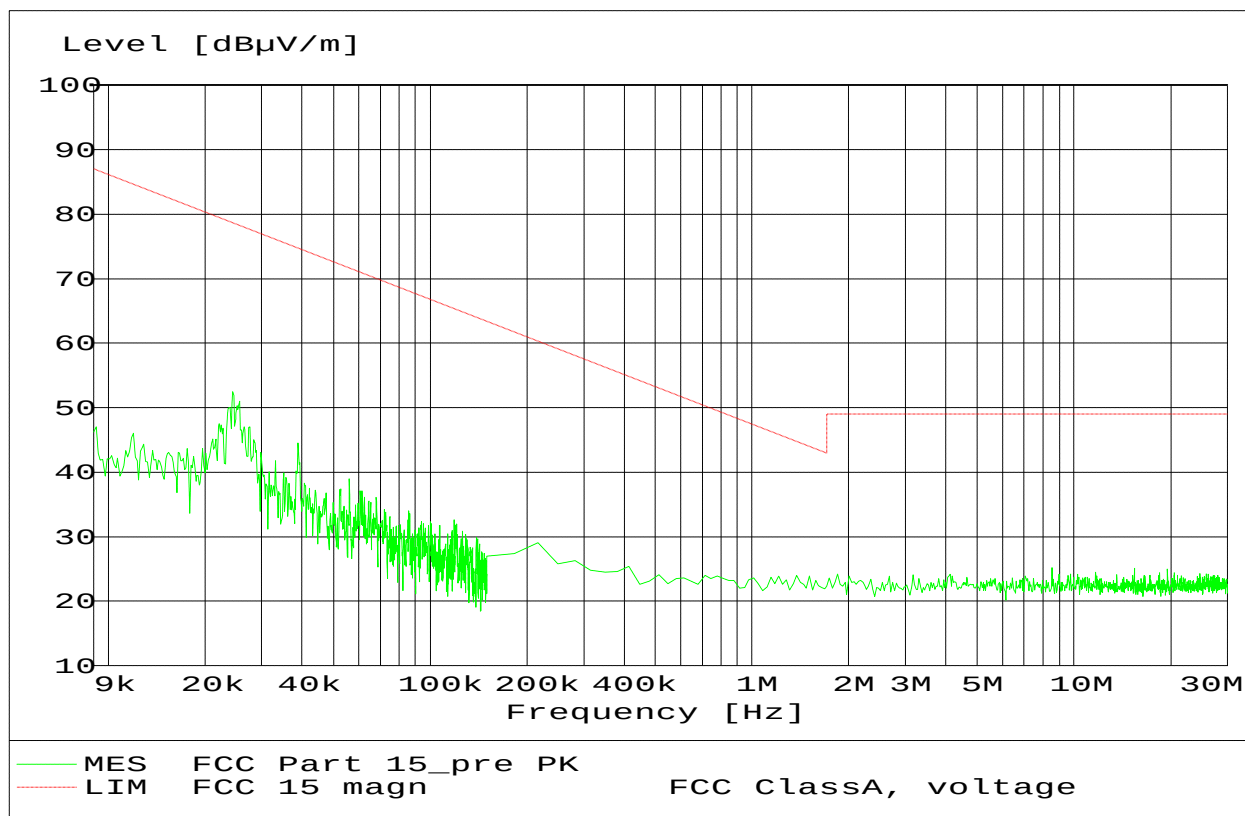
Detector mode

D = positive peak

Display

Max. hold

Plot No.: 35

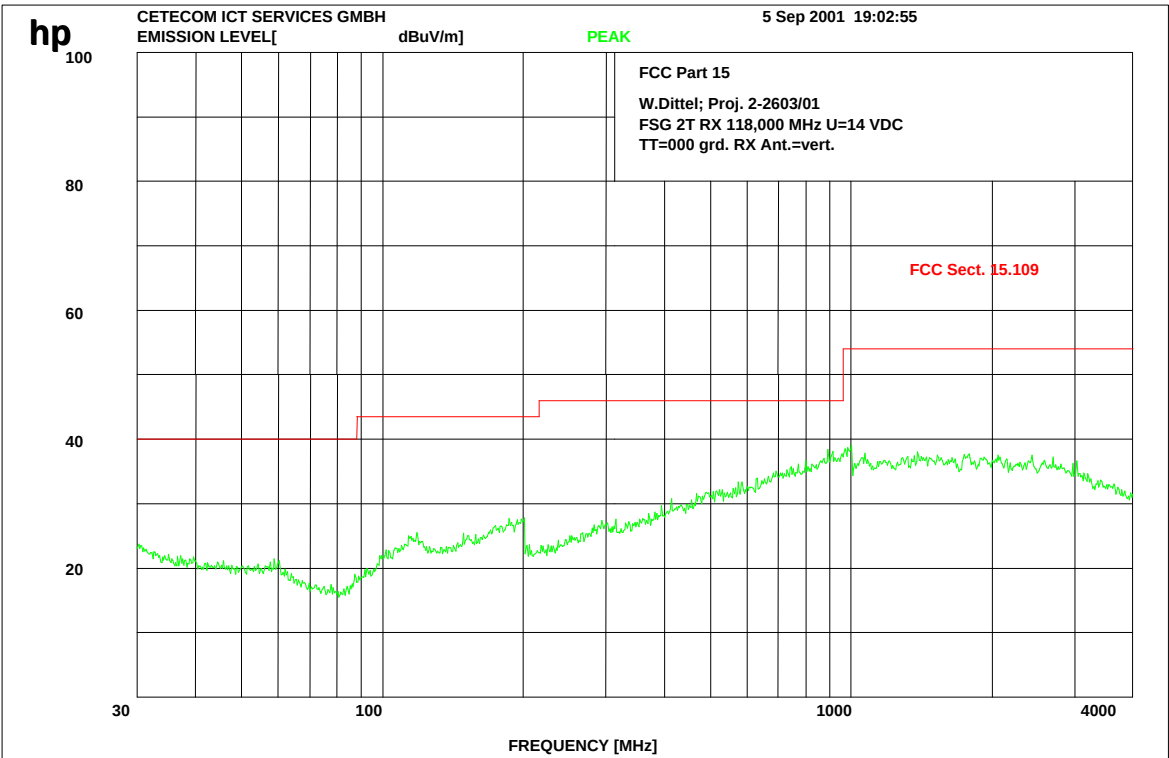


FCC Part 15 Electro-Magnetic Fieldstrength

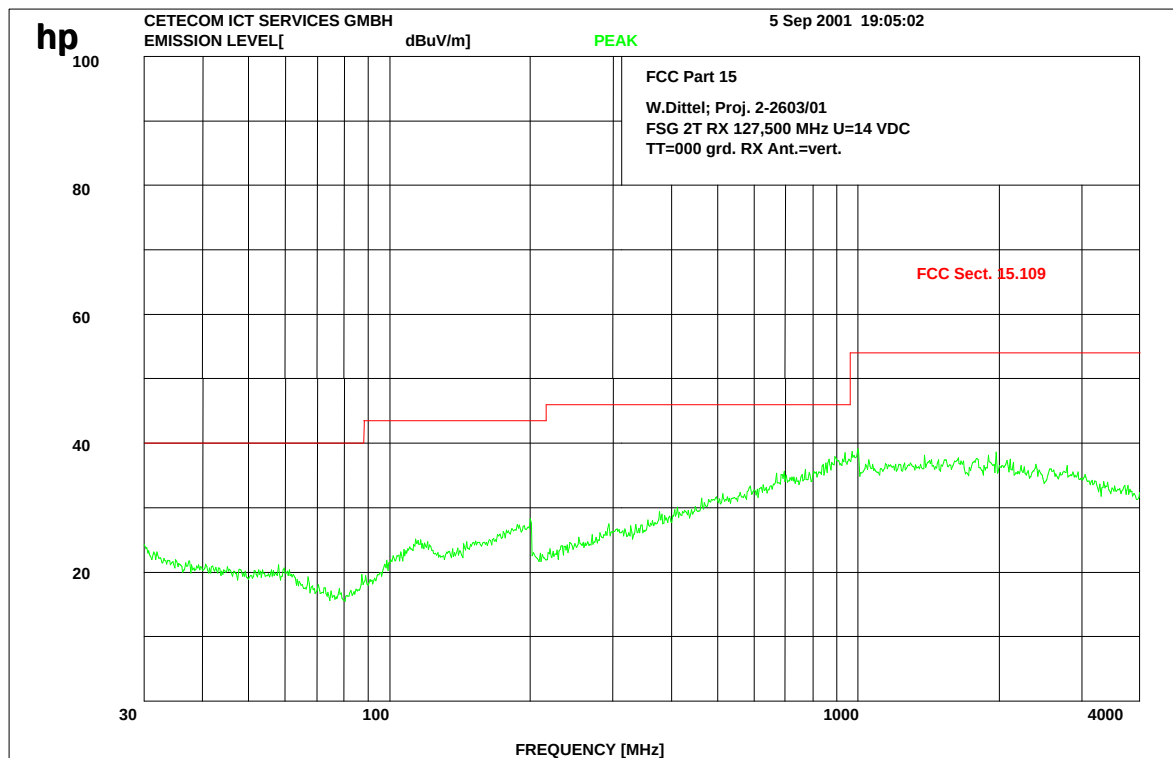
EUT: FSG 2T
 Applicant: W. Dittel GmbH
 Operating condition: RX on F = 118.000 MHz / 127.500 MHz / 136,975 MHz
 Test Site: CETECOM ICT Services GmbH Saarbrücken, Room 006

Start of Test: 28.09.01 / 14:35:58

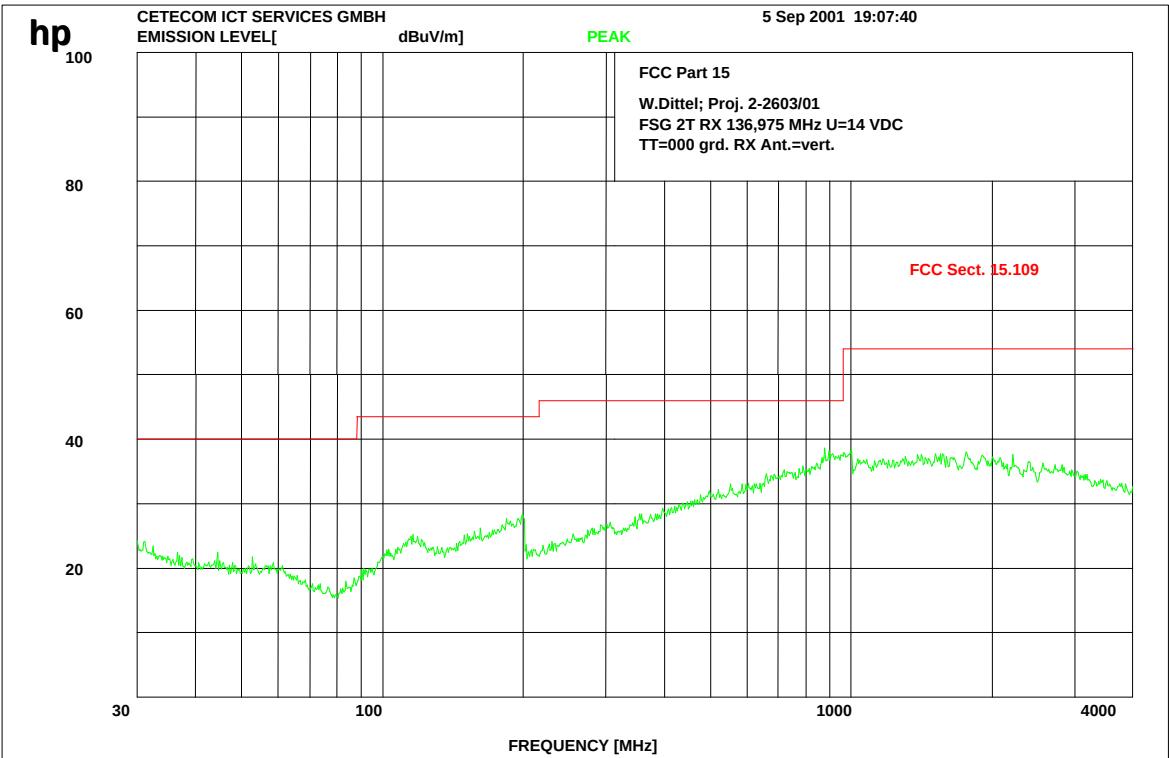
Plot No.: 36



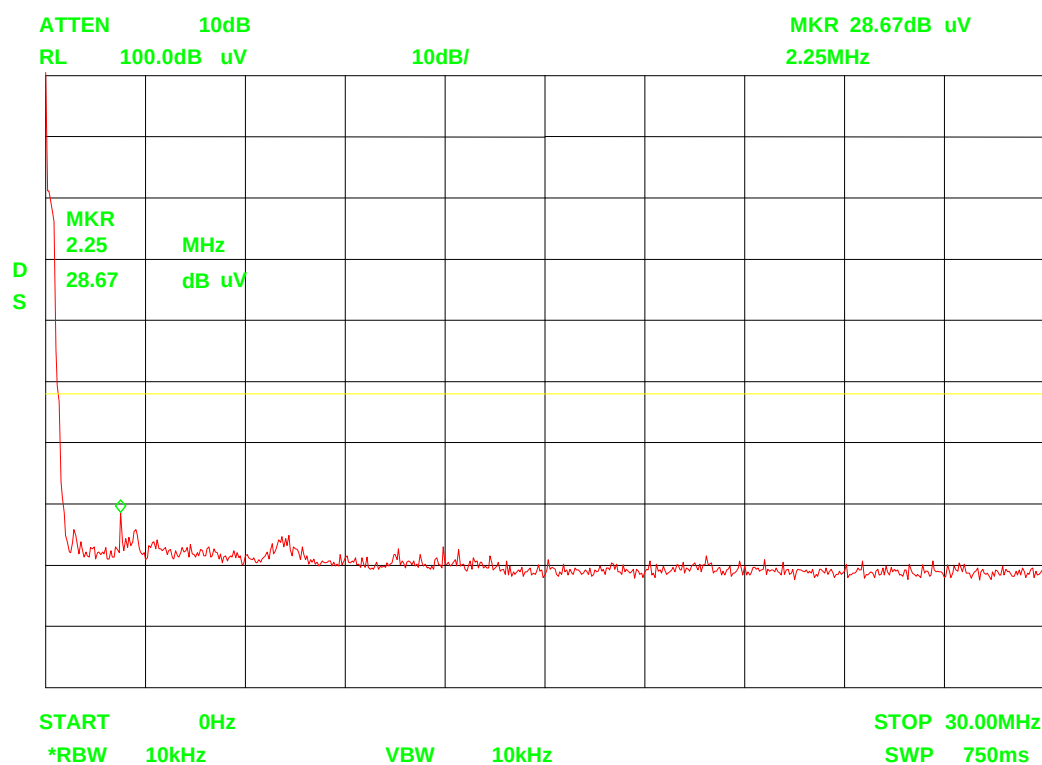
Plot No.: 37



Plot No.: 38



Plot No.: 39



TX frequencies

$f = 118.000 / 127.500 / 136.975 \text{ MHz}$

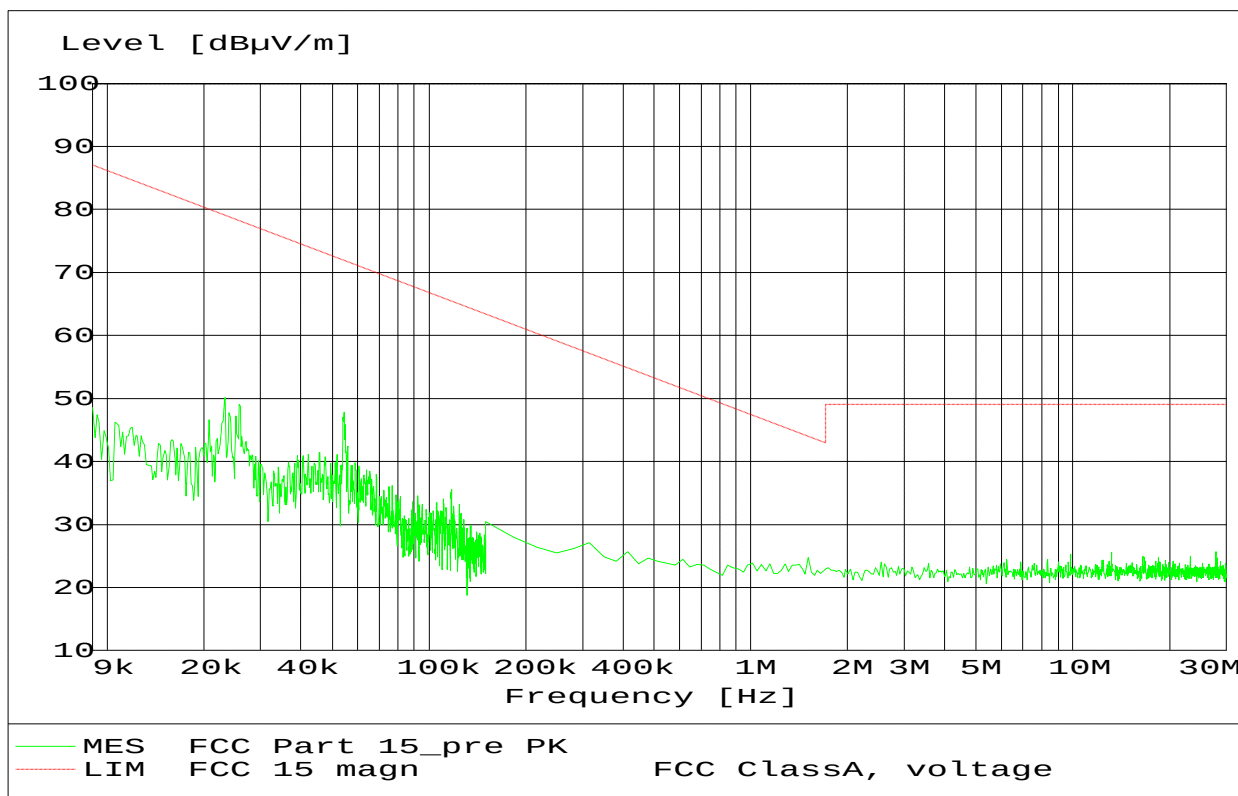
Detector mode

D = positive peak

Display

Max. hold

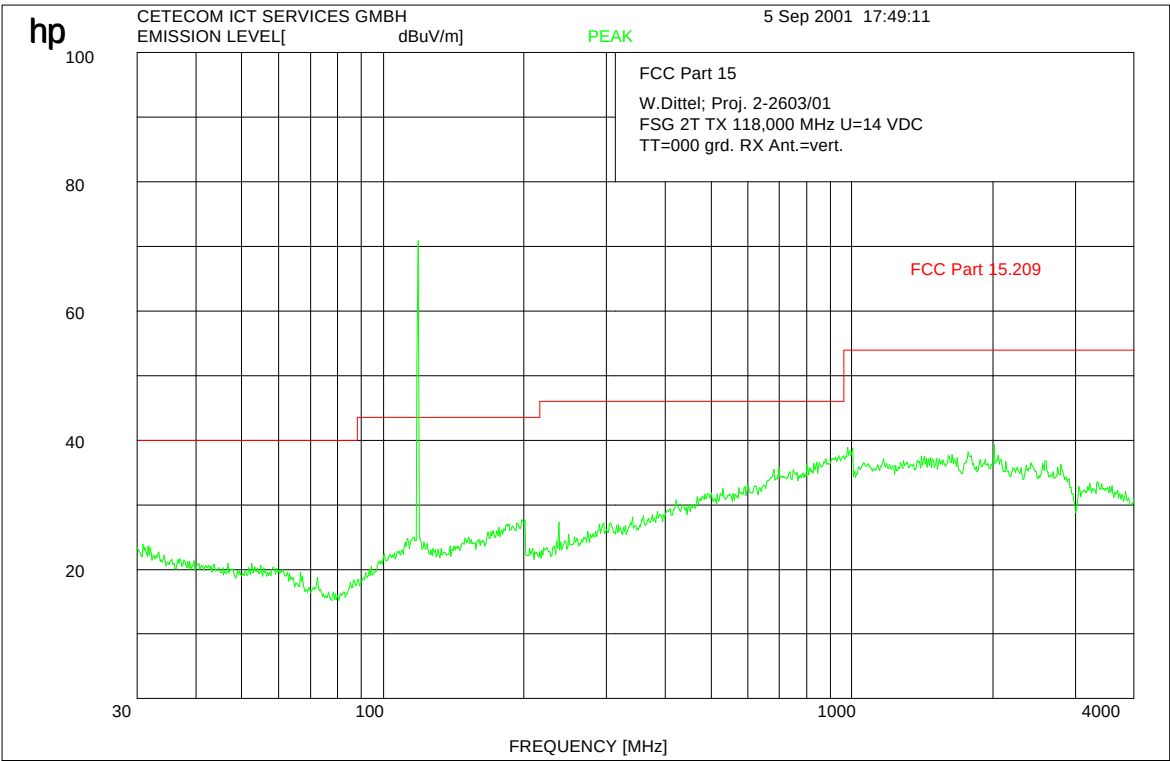
Plot No.: 40



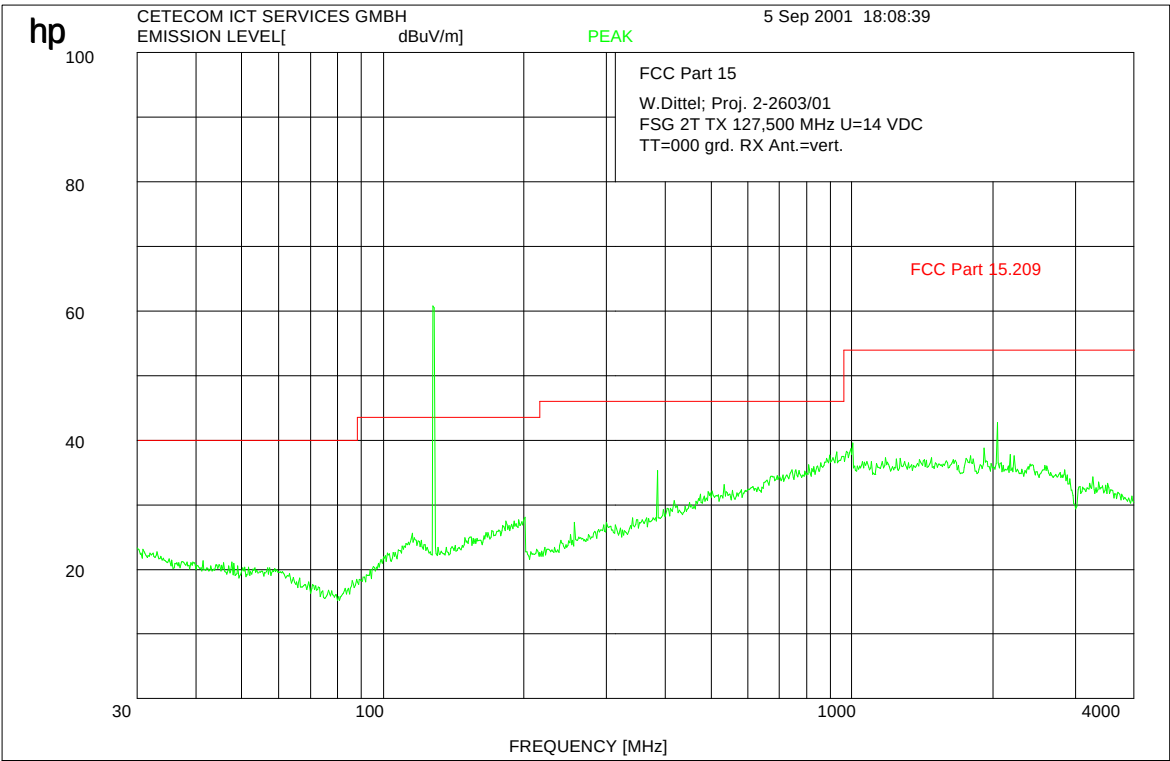
FCC Part 15 Electro-Magnetic Fieldstrength

EUT: FSG 2T
 Applicant: W. Dittel GmbH
 Operating condition: TX on F = 118.000 MHz / 127.500 MHz / 136,975 MHz
 Test Site: CETECOM ICT Services GmbH Saarbrücken, Room 006
 Start of Test: 28.09.01 / 14:35:58

Plot No.: 41



Plot No.: 42



Plot No.: 43

