

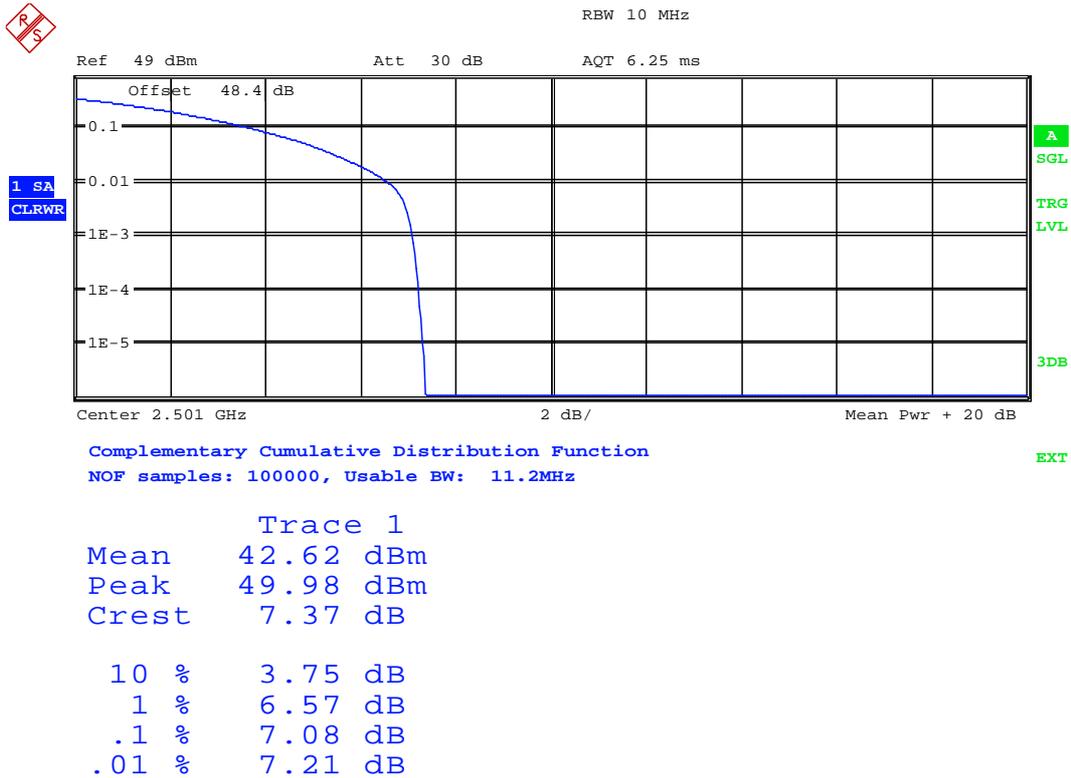


## Annex A Measurement Results

### Annex A.1 Peak-to-Average Ratio

LTE:

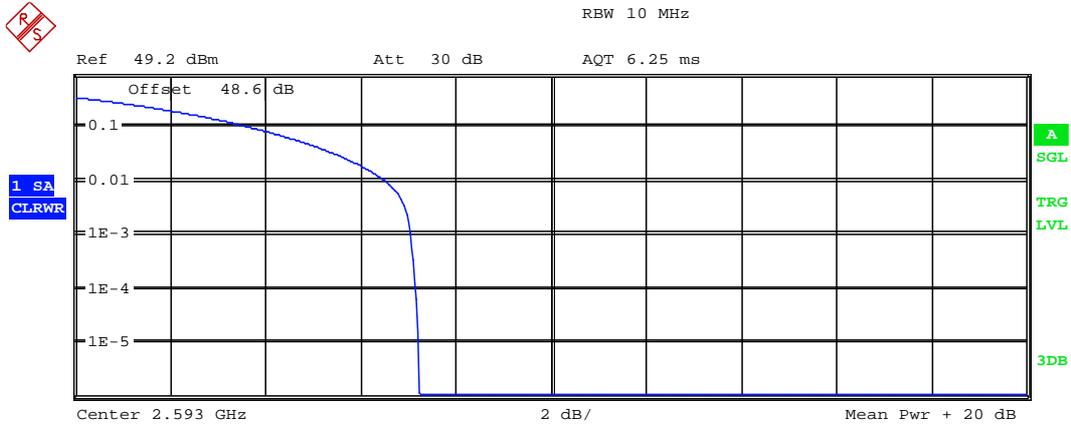
PAR-10M-TM1.1-B:



Date: 1.JUN.2012 06:33:22



PAR-10M-TM1.1-M:



Complementary Cumulative Distribution Function      EXT  
 NOF samples: 100000, Usable BW: 11.2MHz

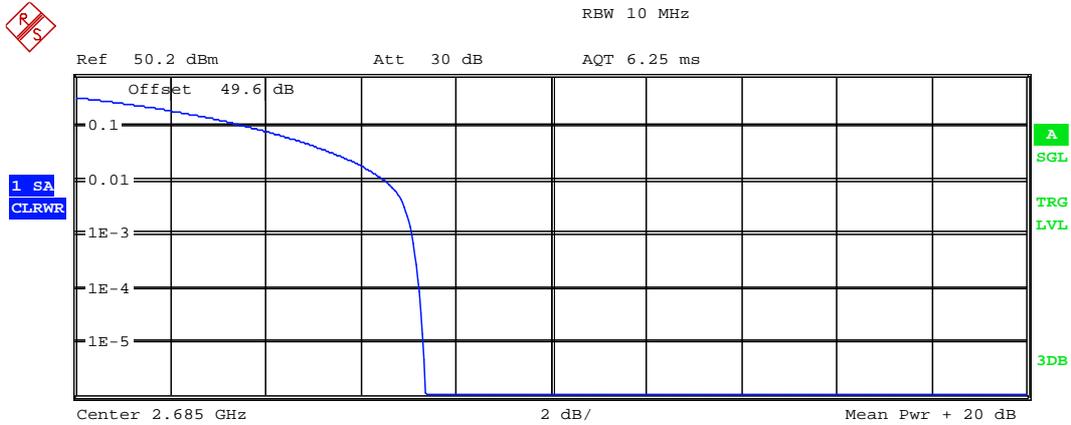
Trace 1  
 Mean      42.69 dBm  
 Peak      49.90 dBm  
 Crest      7.21 dB

10 %	3.75 dB
1 %	6.51 dB
.1 %	7.05 dB
.01 %	7.15 dB

Date: 1.JUN.2012 06:39:56



PAR-10M-TM1.1-T:



Complementary Cumulative Distribution Function      EXT  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
 Mean      42.54 dBm  
 Peak      49.88 dBm  
 Crest      7.34 dB

10 %	3.75 dB
1 %	6.51 dB
.1 %	7.08 dB
.01 %	7.24 dB

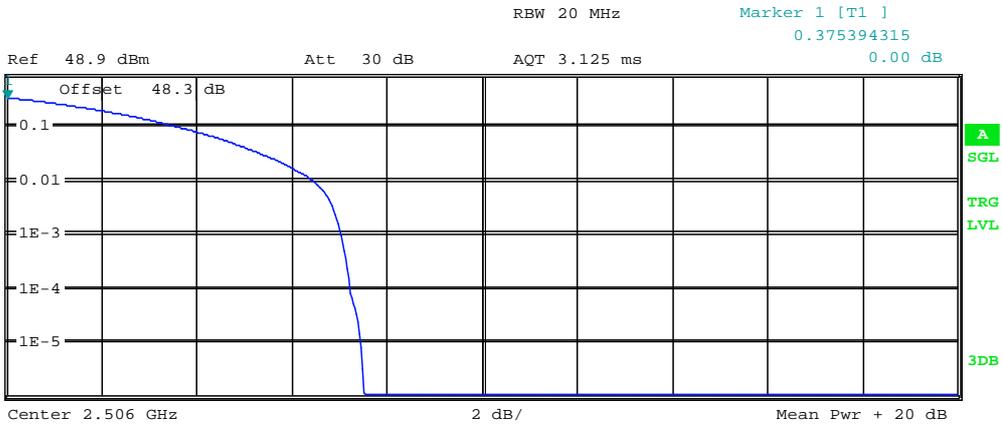
Date: 1.JUN.2012 06:37:57



PAR-20M-TM1.1-B:



1 SA  
CLRWR



Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 23.7MHz

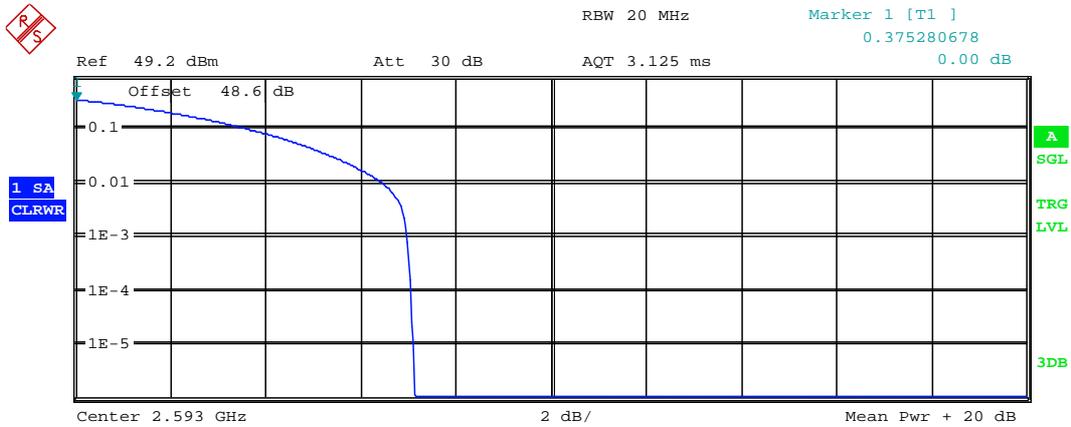
Trace 1  
 Mean 42.84 dBm  
 Peak 50.35 dBm  
 Crest 7.51 dB

10 %	3.72 dB
1 %	6.47 dB
.1 %	7.05 dB
.01 %	7.24 dB

Date: 1.JUN.2012 06:48:33



PAR-20M-TM1.1-M:



Complementary Cumulative Distribution Function      EXT  
 NOF samples: 100000, Usable BW: 23.7MHz

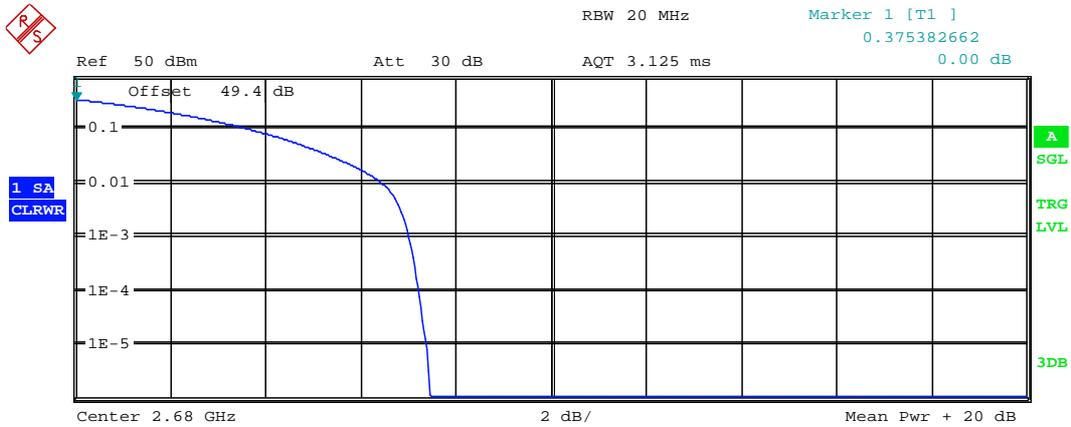
Trace 1  
 Mean      42.71 dBm  
 Peak      49.84 dBm  
 Crest      7.13 dB

10 %	3.72 dB
1 %	6.44 dB
.1 %	6.99 dB
.01 %	7.05 dB

Date: 1.JUN.2012 06:44:18



PAR-20M-TM1.1-T:



Complementary Cumulative Distribution Function      EXT  
 NOF samples: 100000, Usable BW: 23.7MHz

Trace 1  
 Mean      42.73 dBm  
 Peak      50.18 dBm  
 Crest      7.45 dB

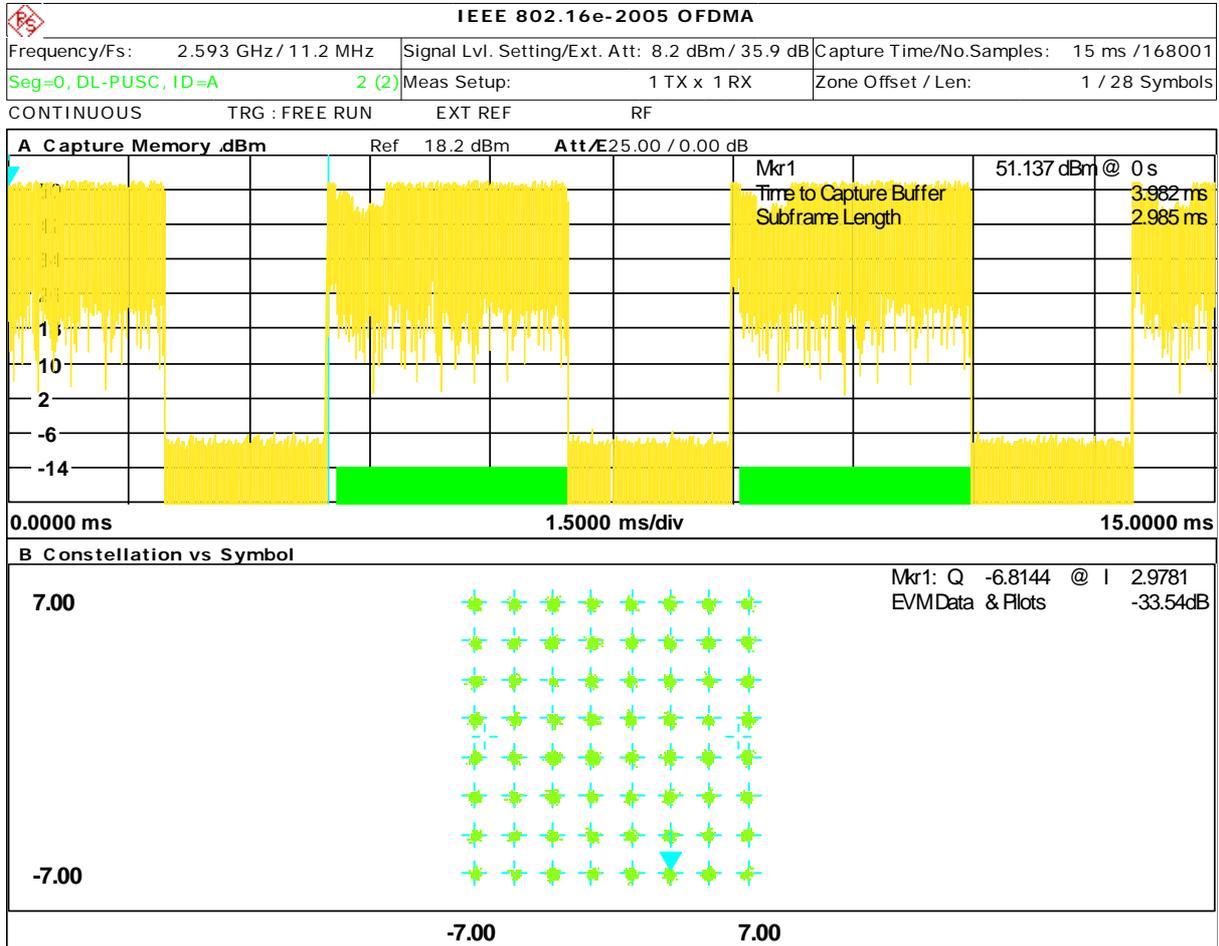
10 %      3.72 dB  
 1 %      6.44 dB  
 .1 %      7.02 dB  
 .01 %      7.21 dB

Date: 1.JUN.2012 06:46:16



## Annex A.2 Modulation Characteristics

### WiMAX:

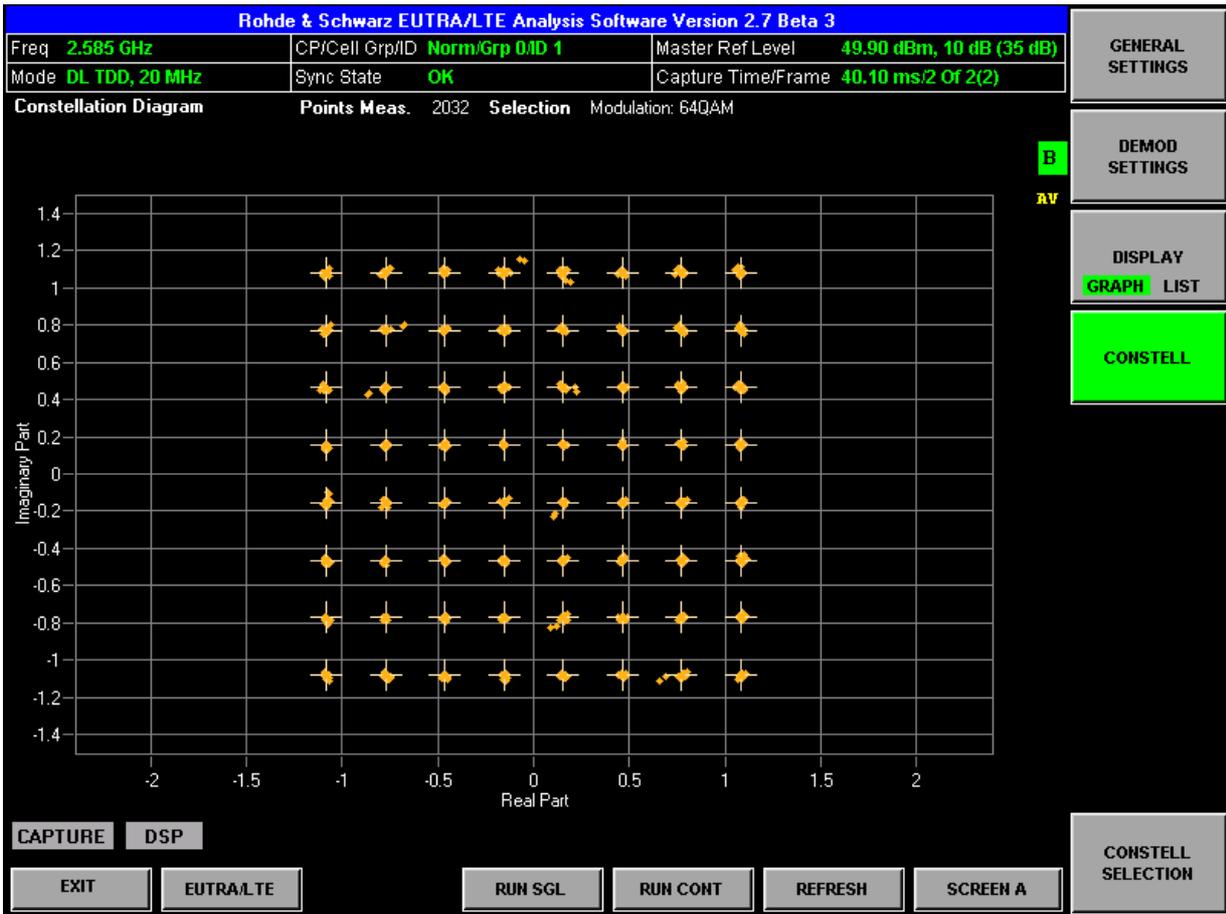


Running ...

Date: 30.MAY.2011 20:34:29



LTE:

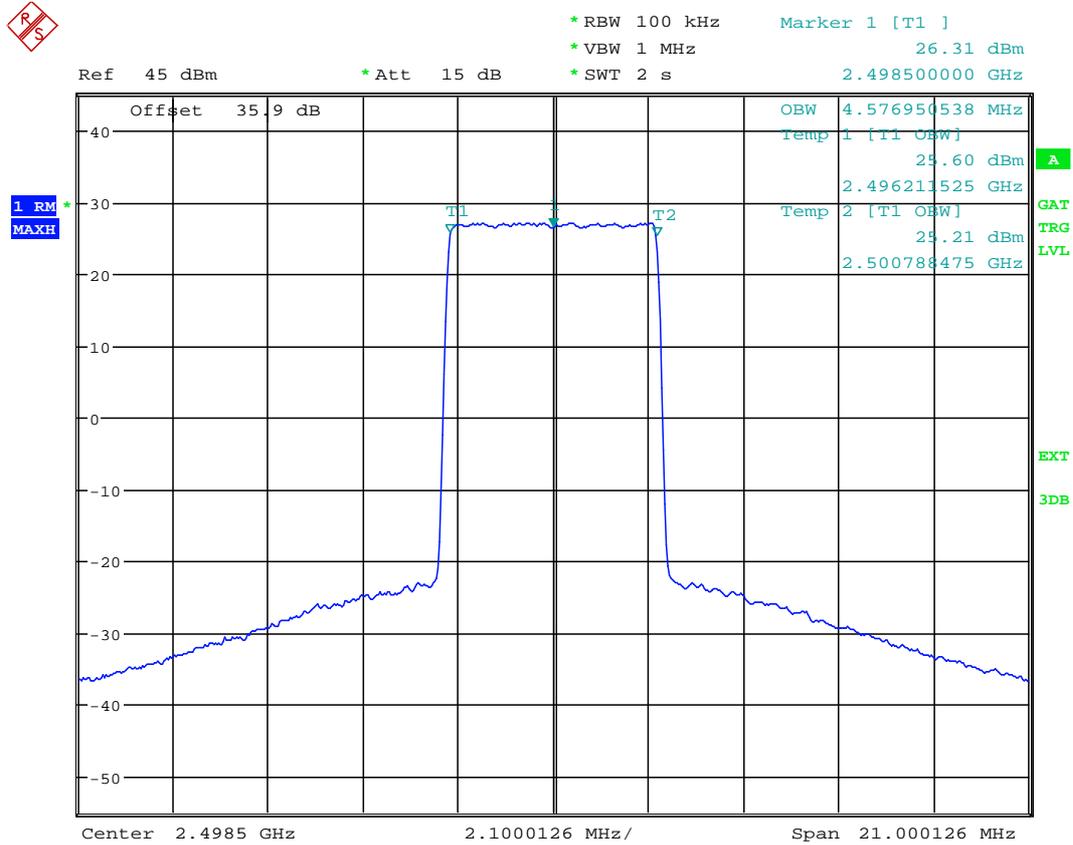




### Annex A.3 Occupied Bandwidth

WiMAX:

OBW-5M- TM1-B:



Date: 7.JUN.2011 10:40:10





























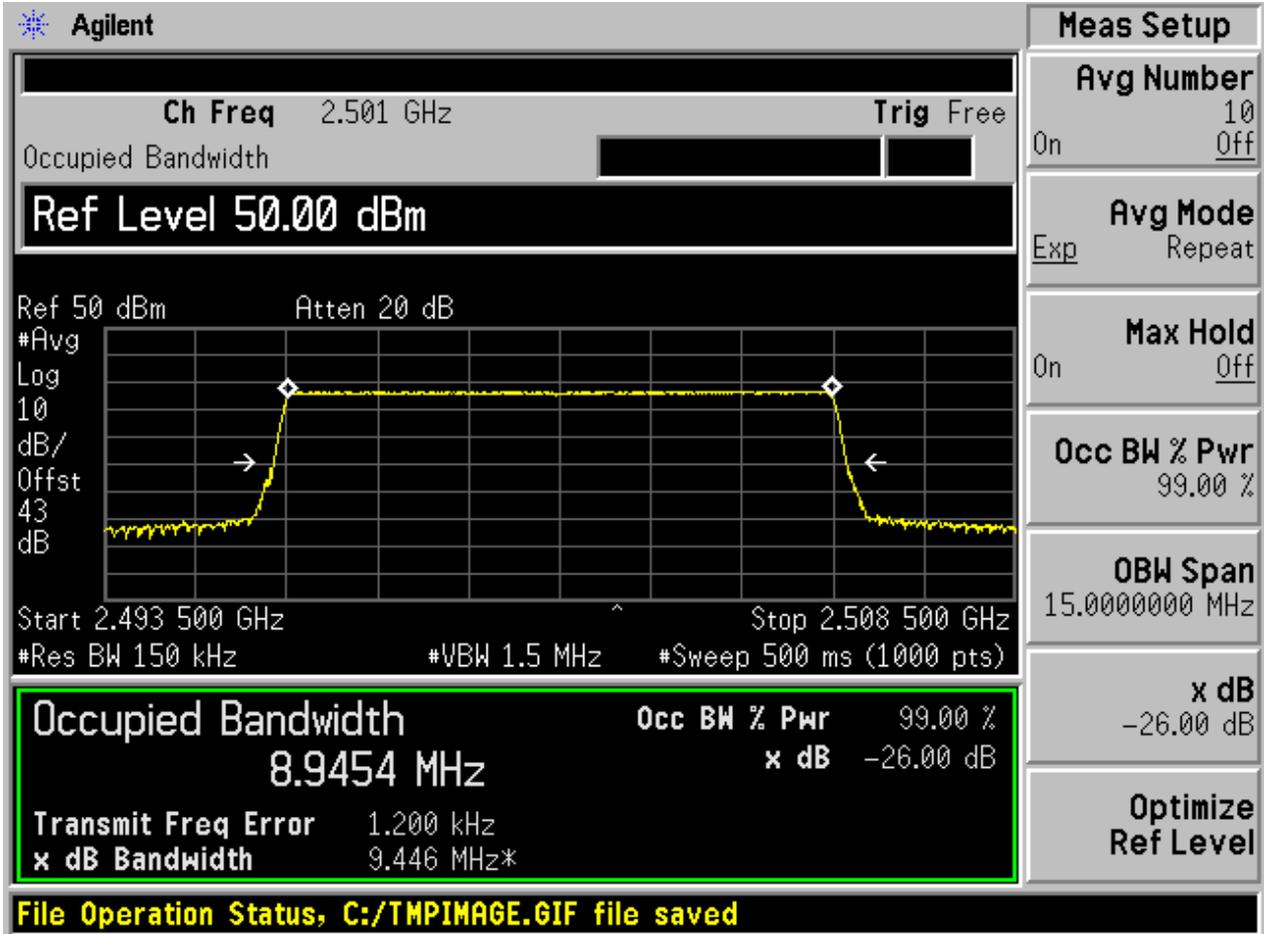




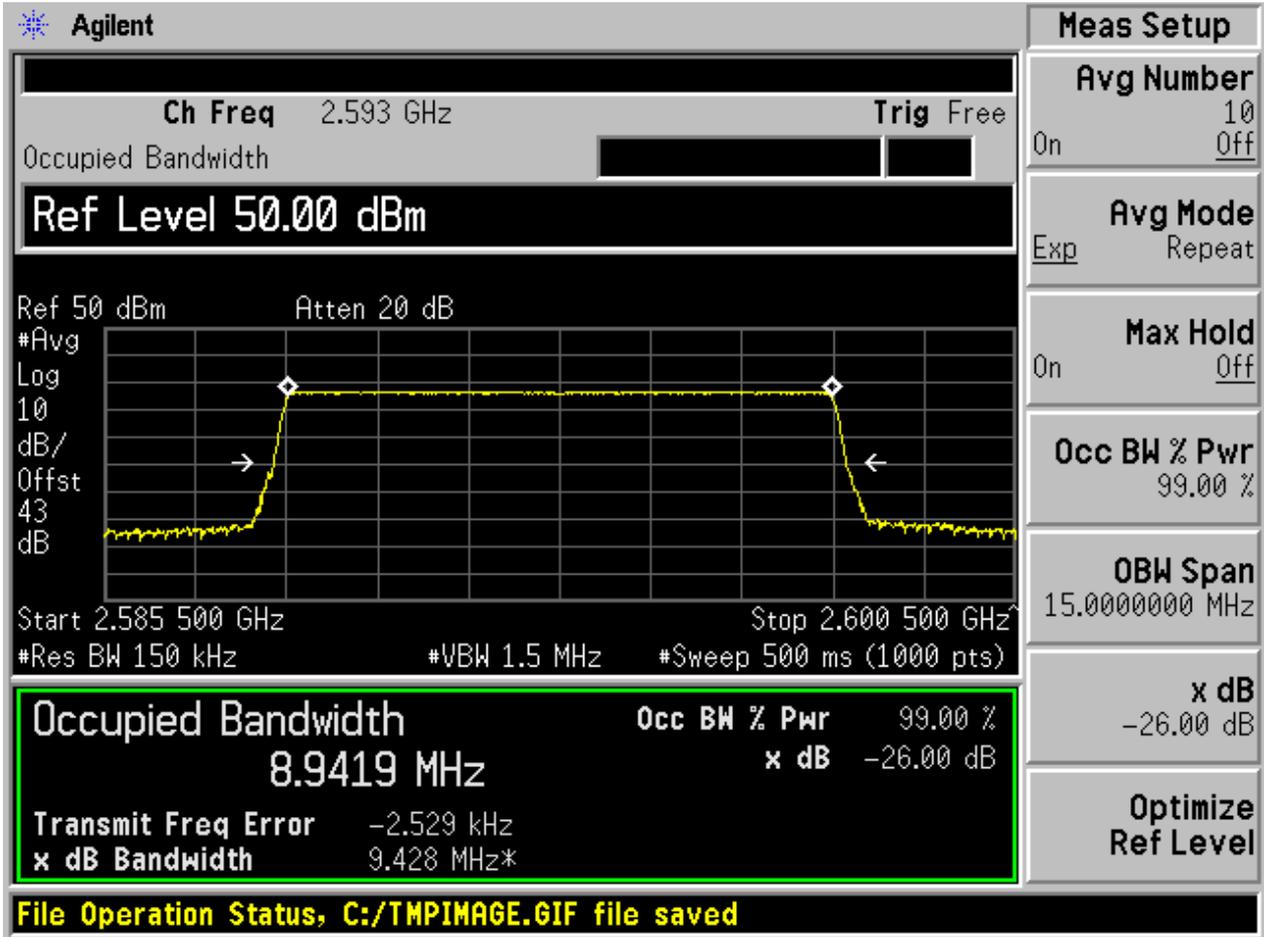


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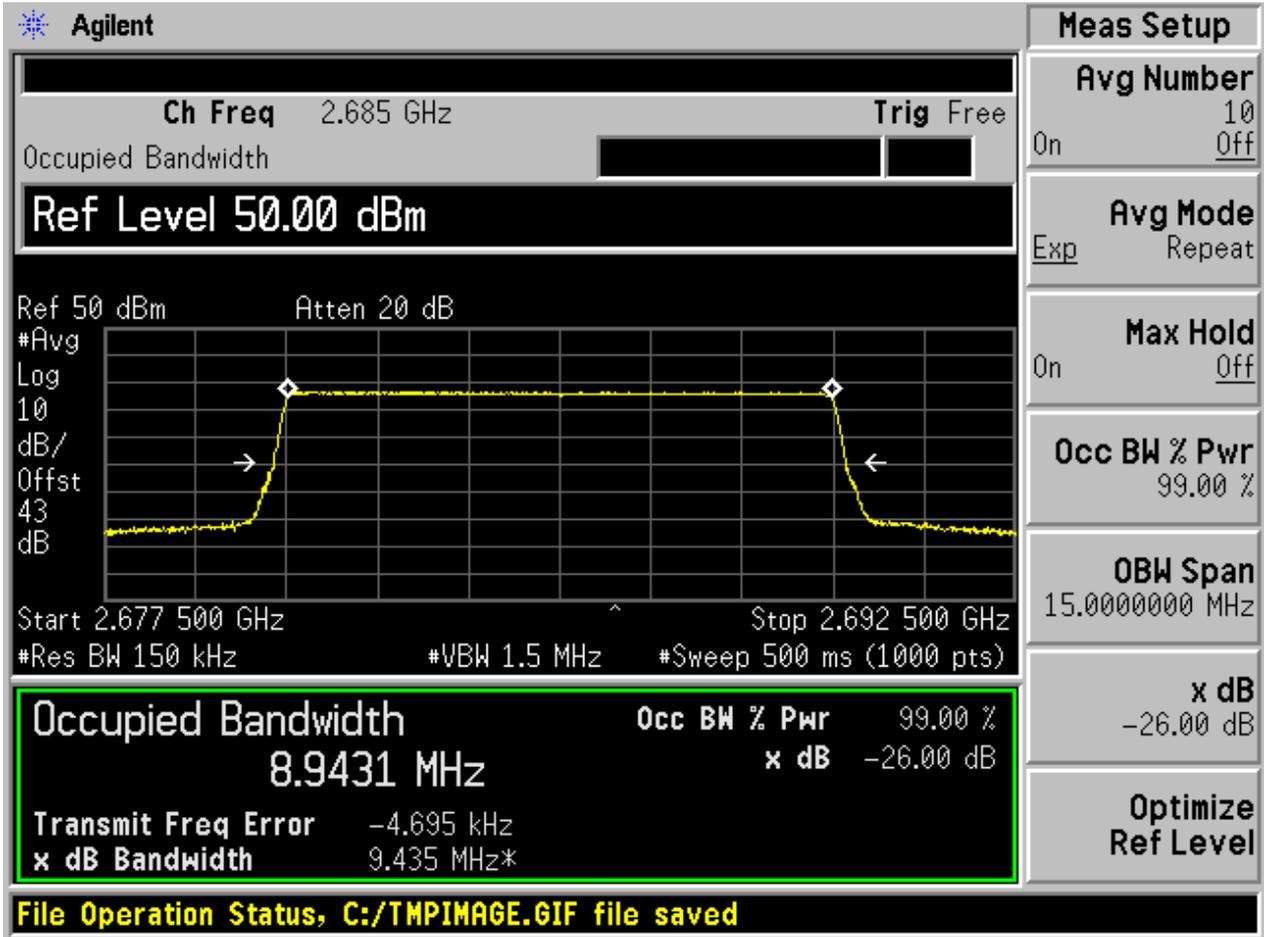
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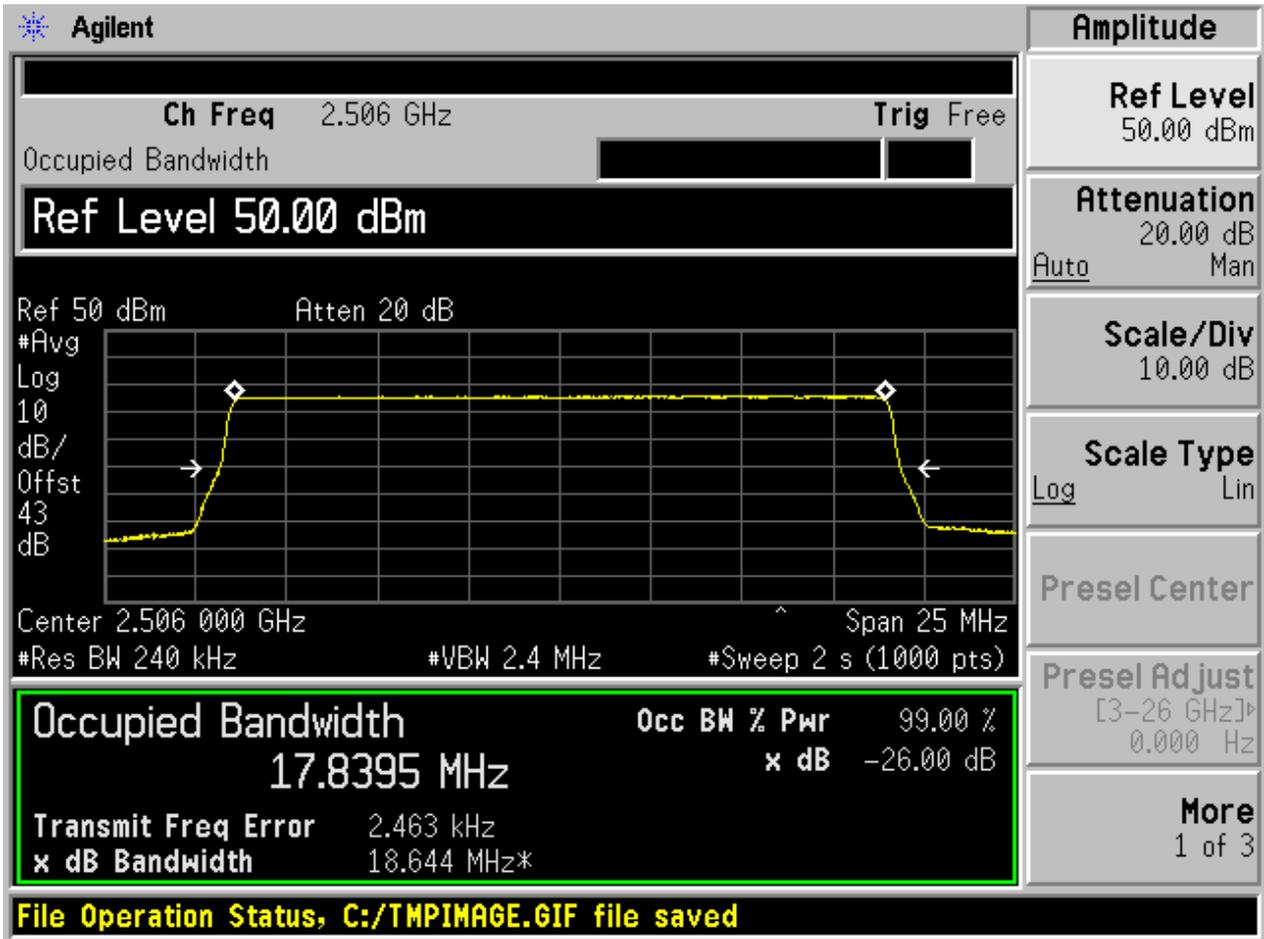
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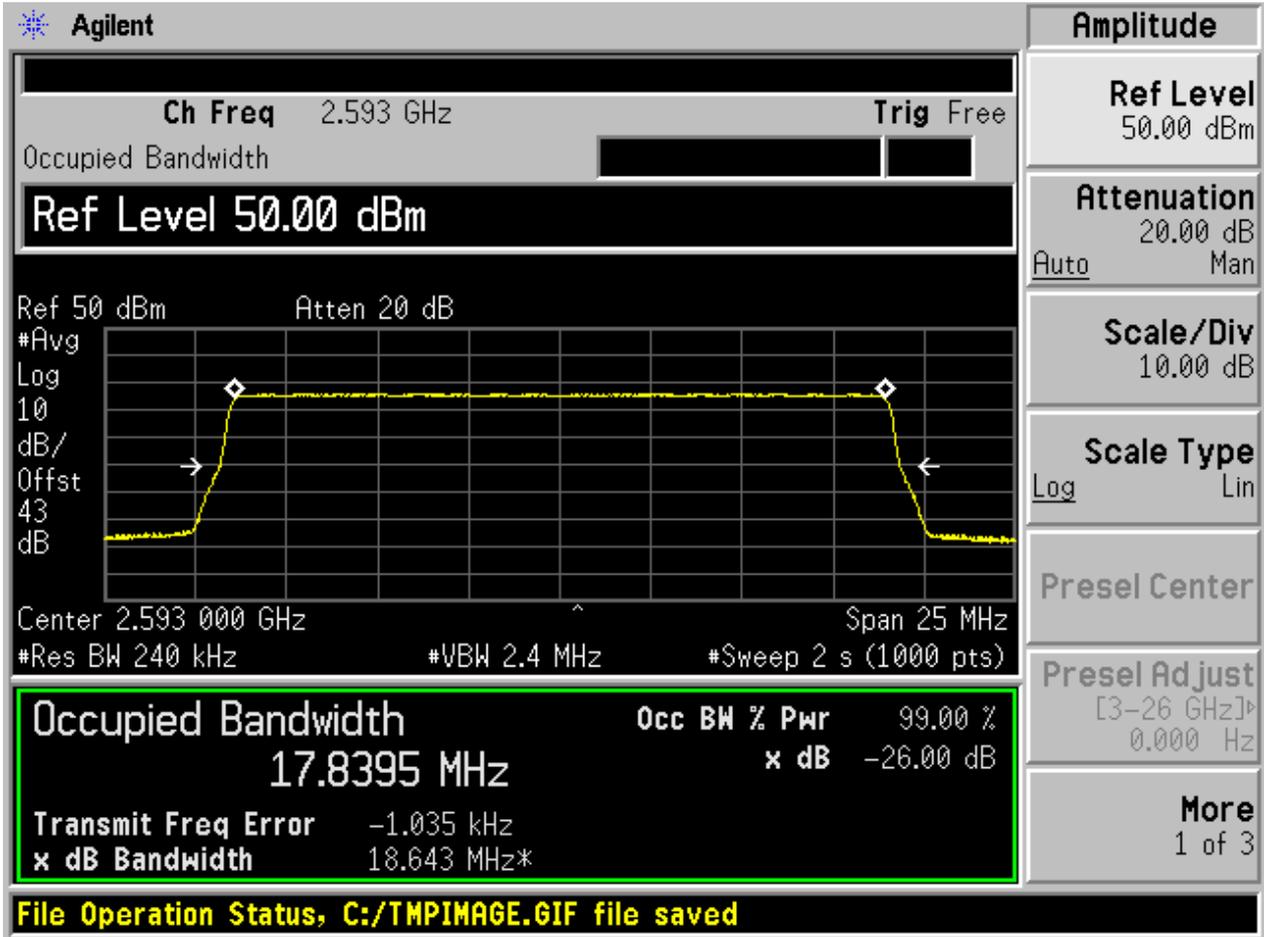
OBW-10M-TM1.1-T:



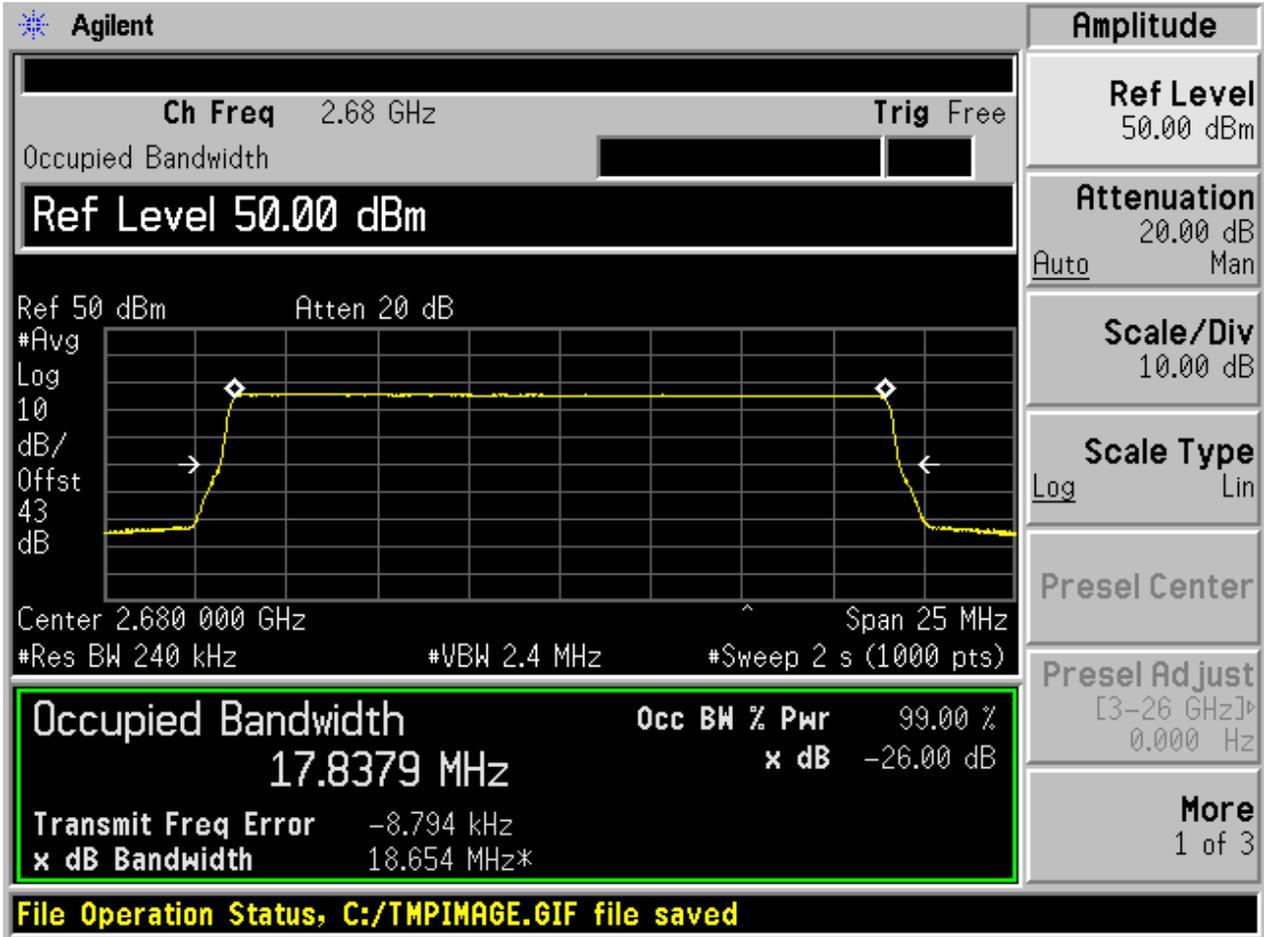
OBW-20M-TM1.1-B:



OBW-20M-TM1.1-M:



OBW-20M-TM1.1-T:

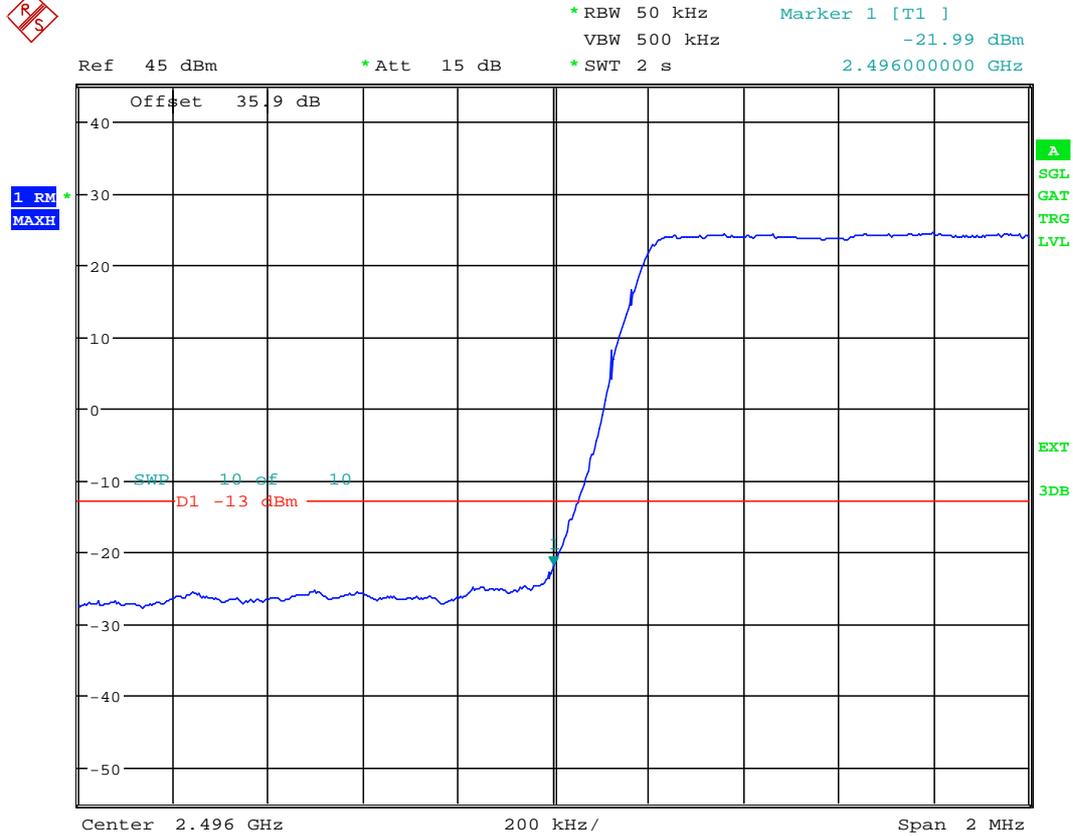




### Annex A.4 Band Edges

WiMAX:

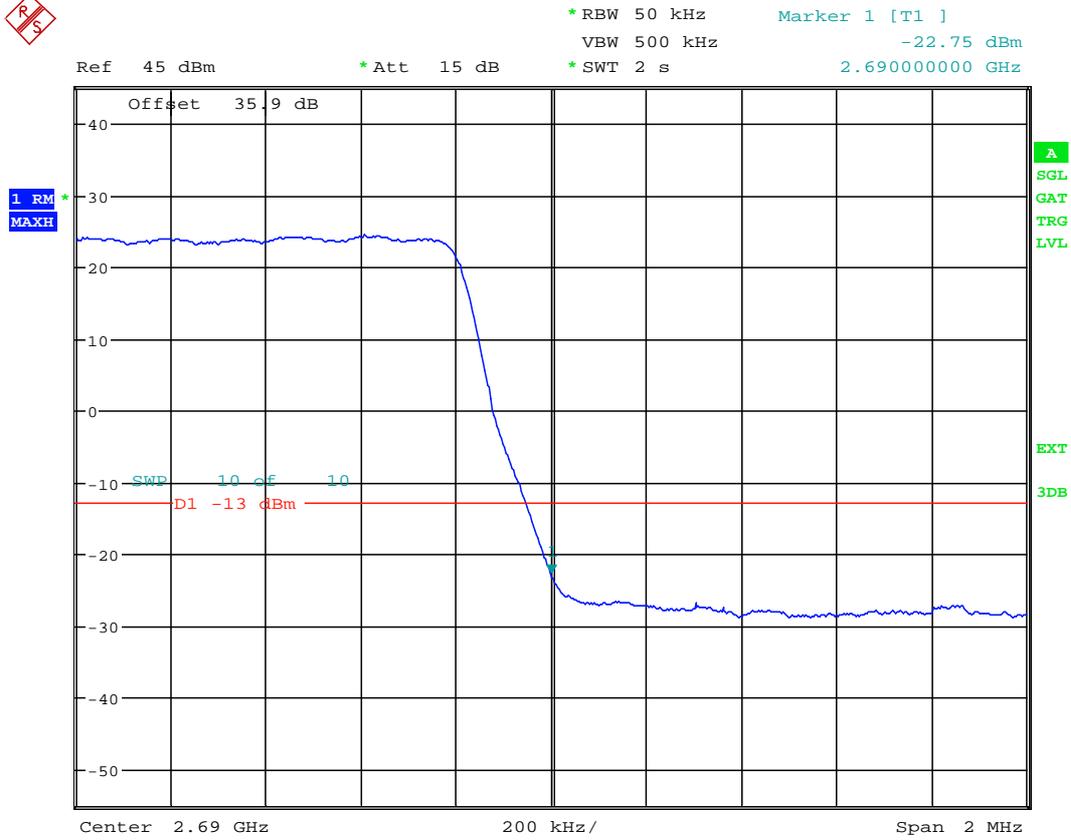
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Date: 3.JUN.2011 17:34:06



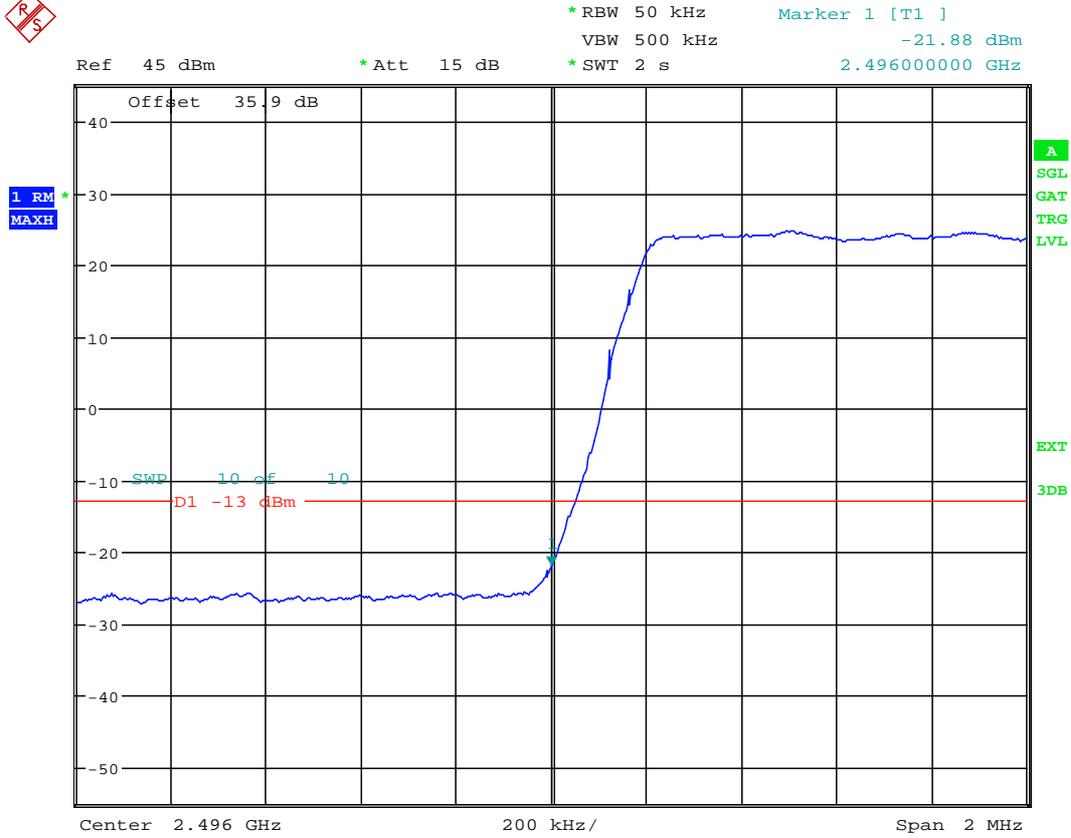
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Date: 3.JUN.2011 17:39:12



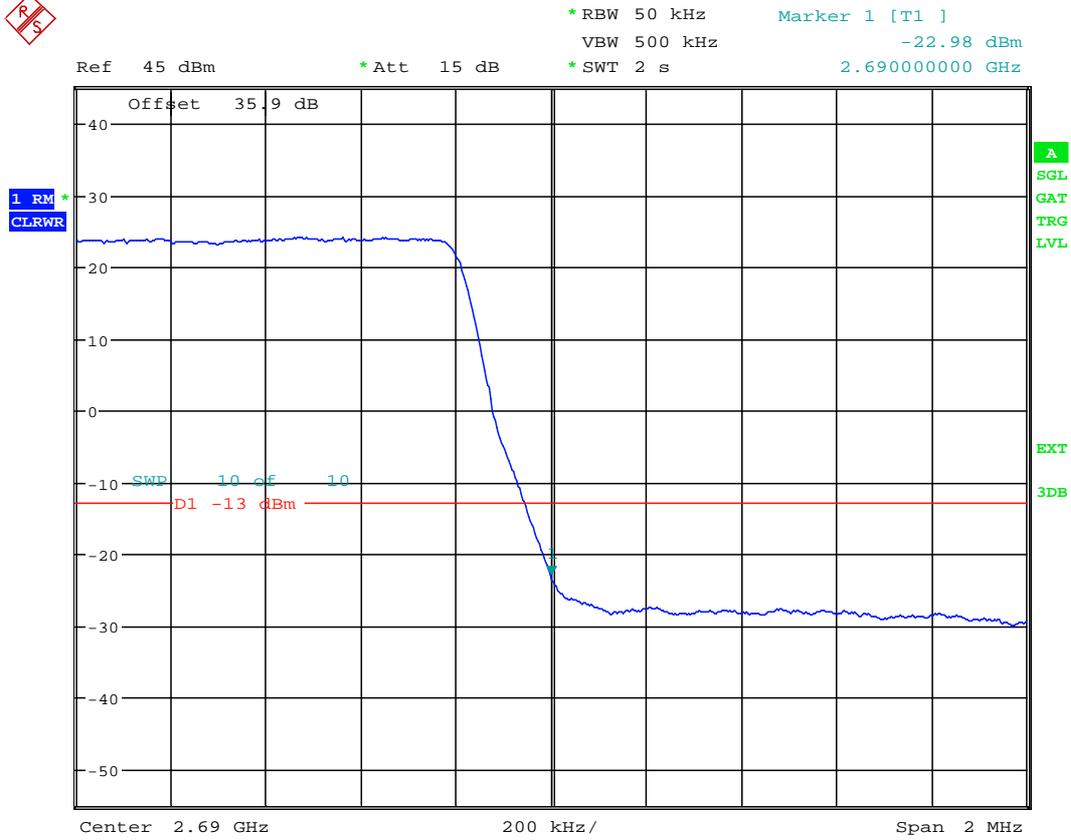
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Date: 3.JUN.2011 17:32:40



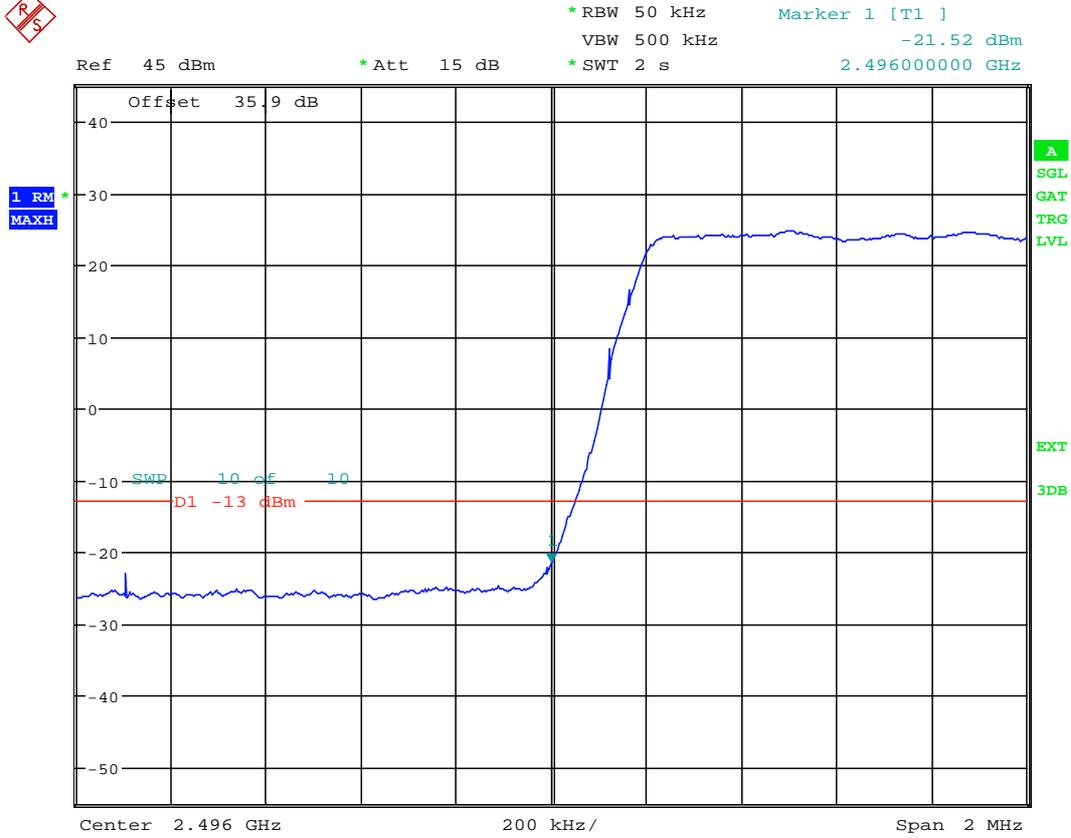
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Date: 3.JUN.2011 17:36:16



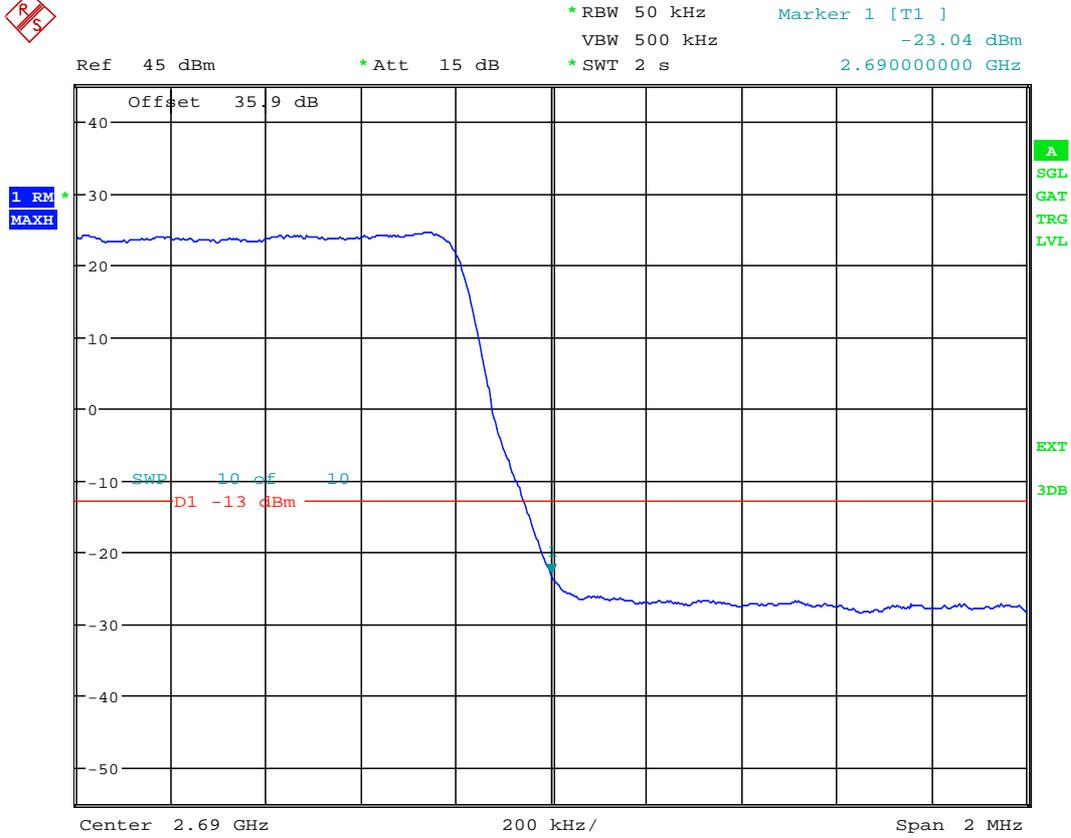
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Date: 3.JUN.2011 17:30:59



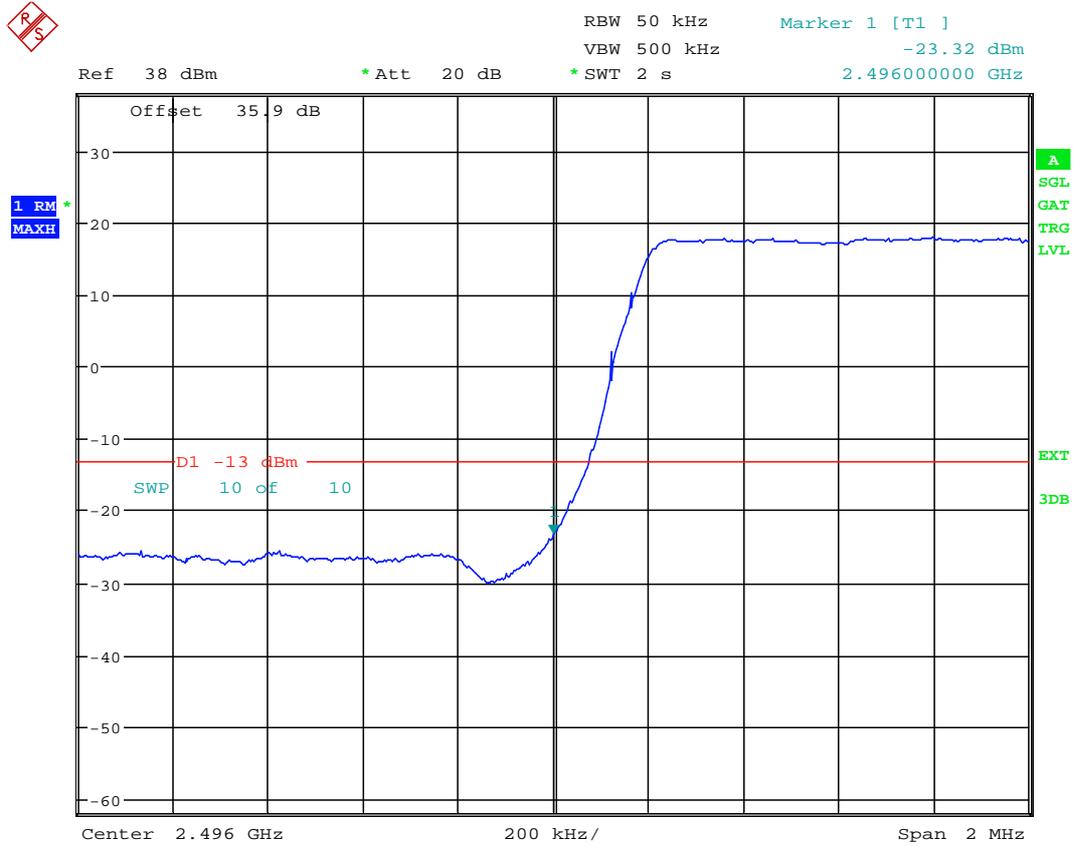
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Date: 3.JUN.2011 17:40:39



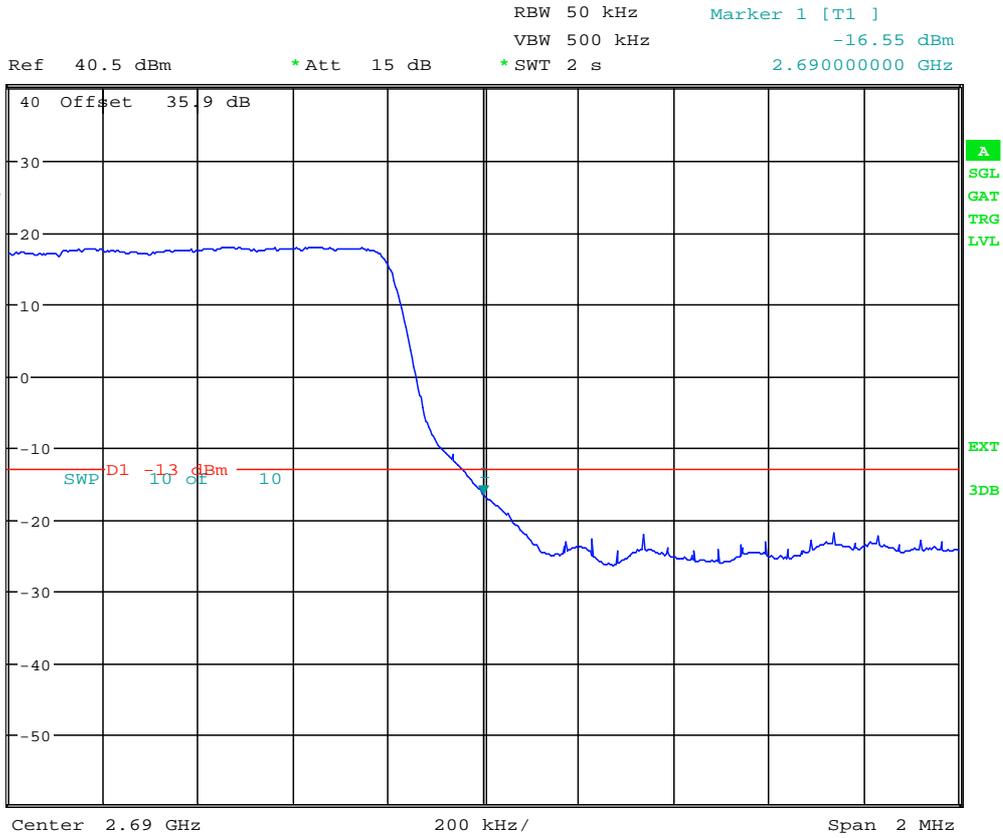
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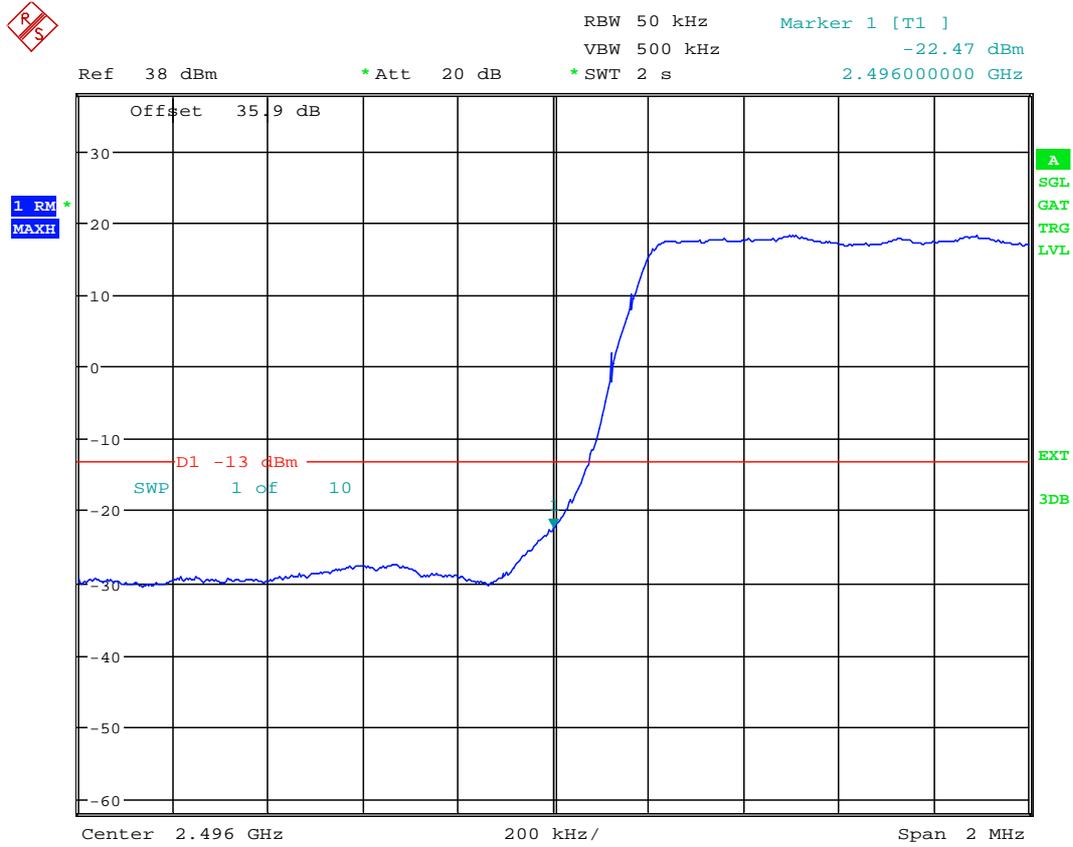
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Date: 3.JUN.2011 16:08:22



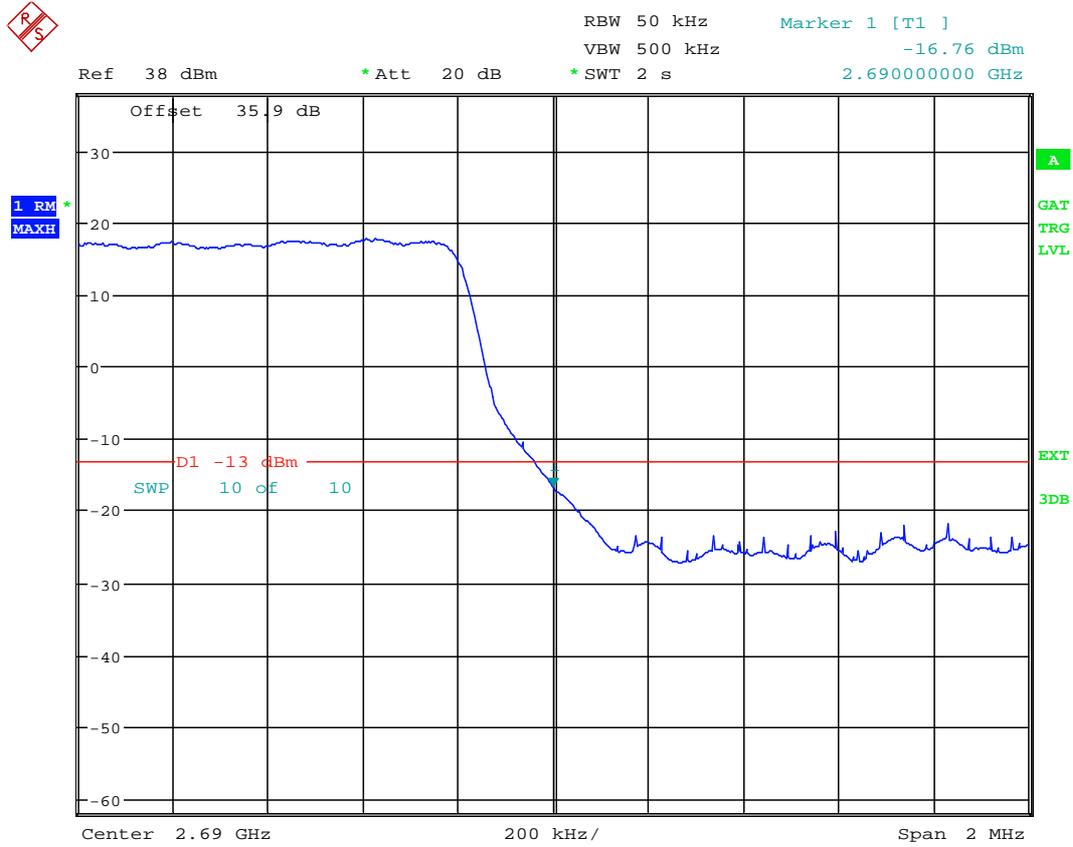
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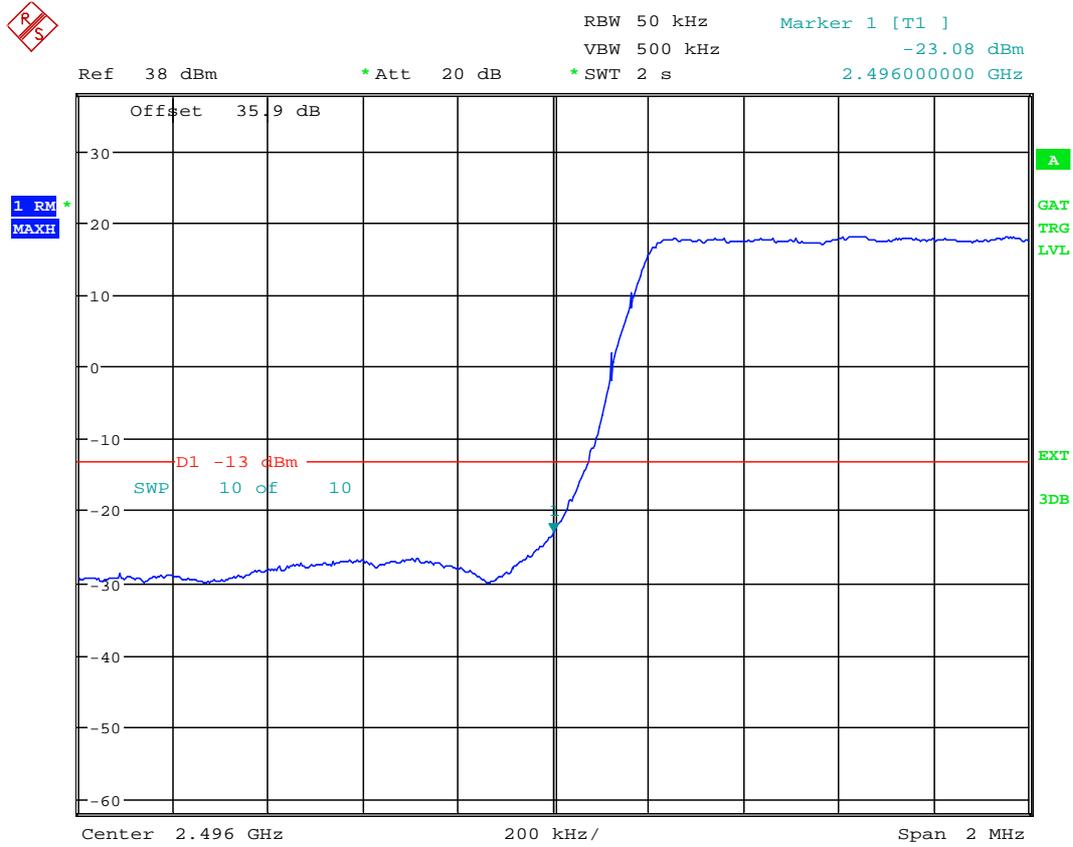
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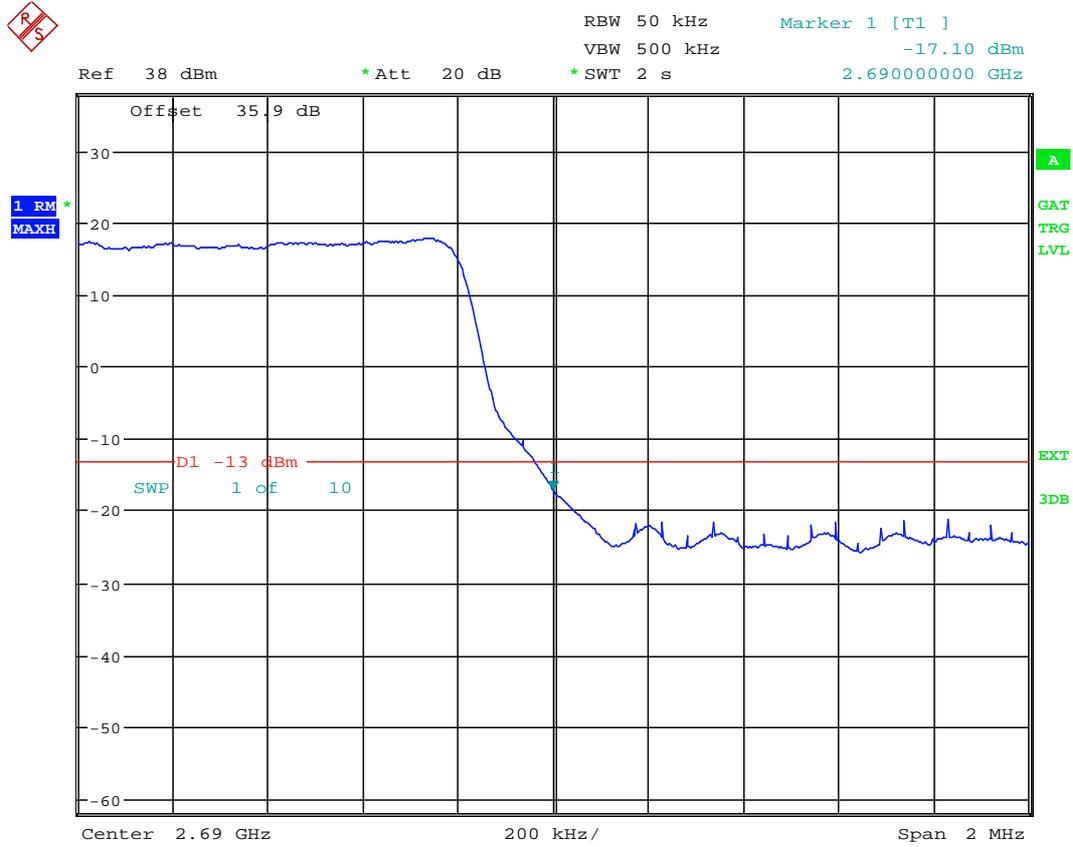
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Date: 3.JUN.2011 16:00:22



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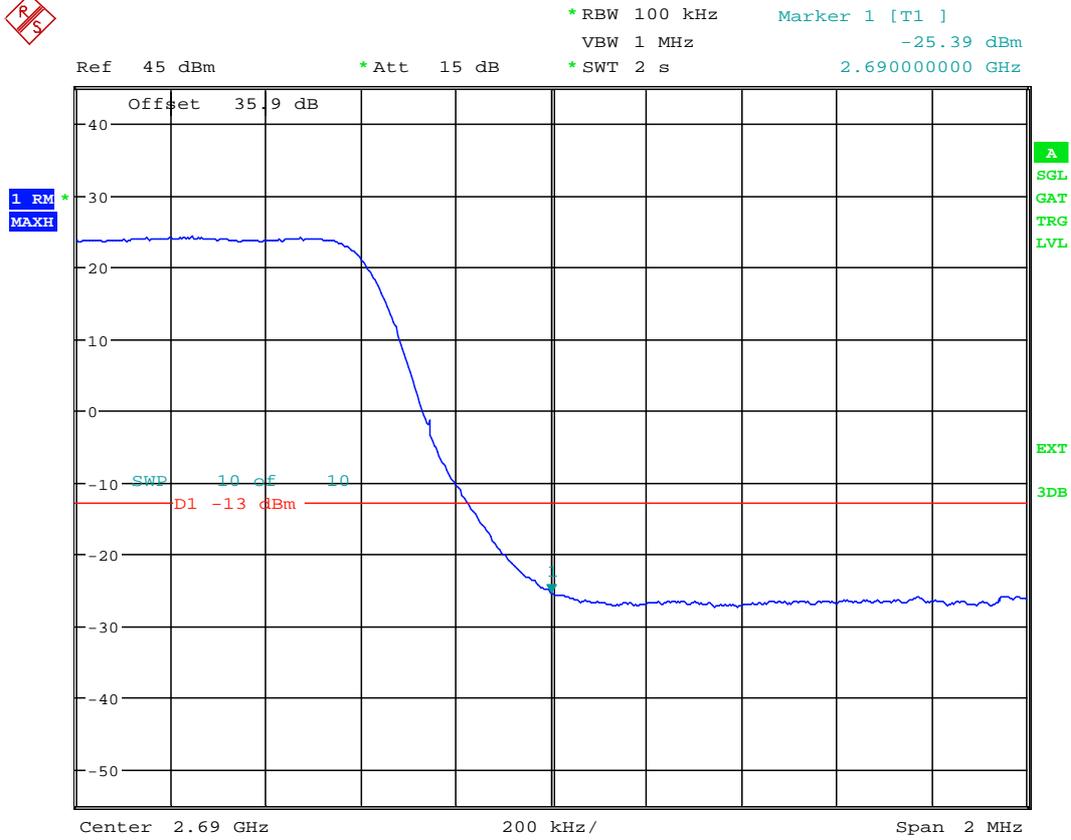


Date: 3.JUN.2011 16:03:44





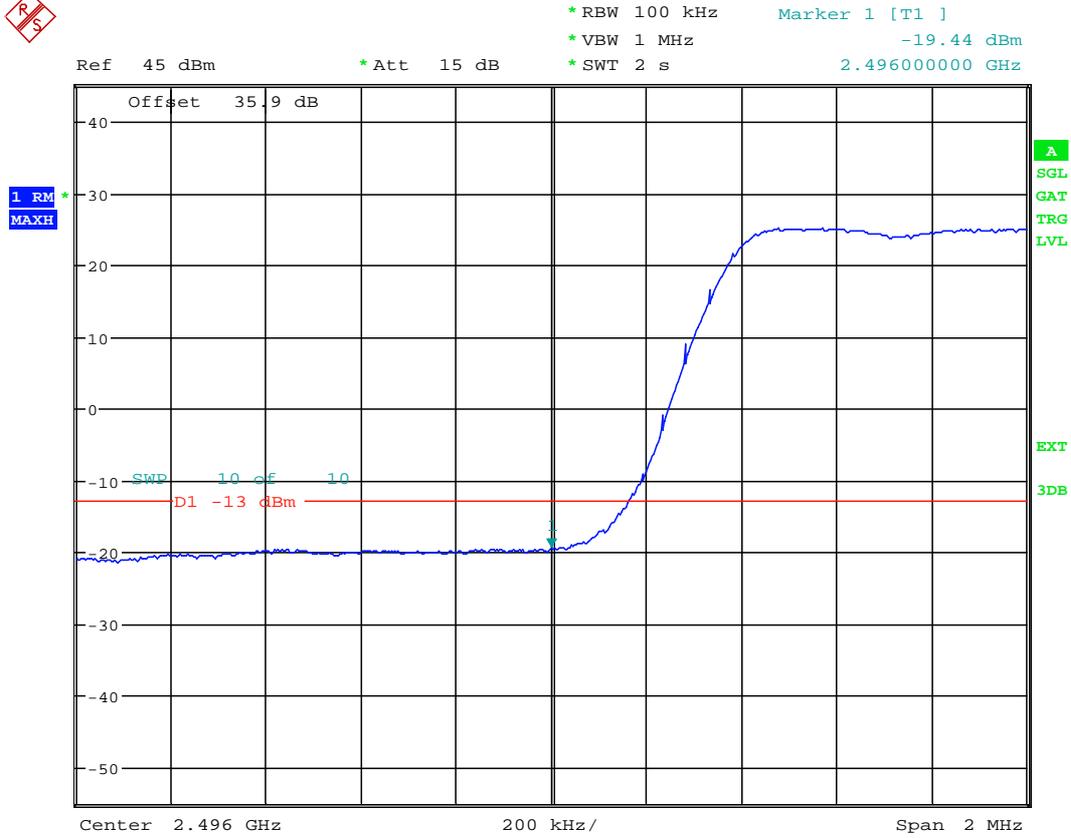
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Date: 3.JUN.2011 17:49:39



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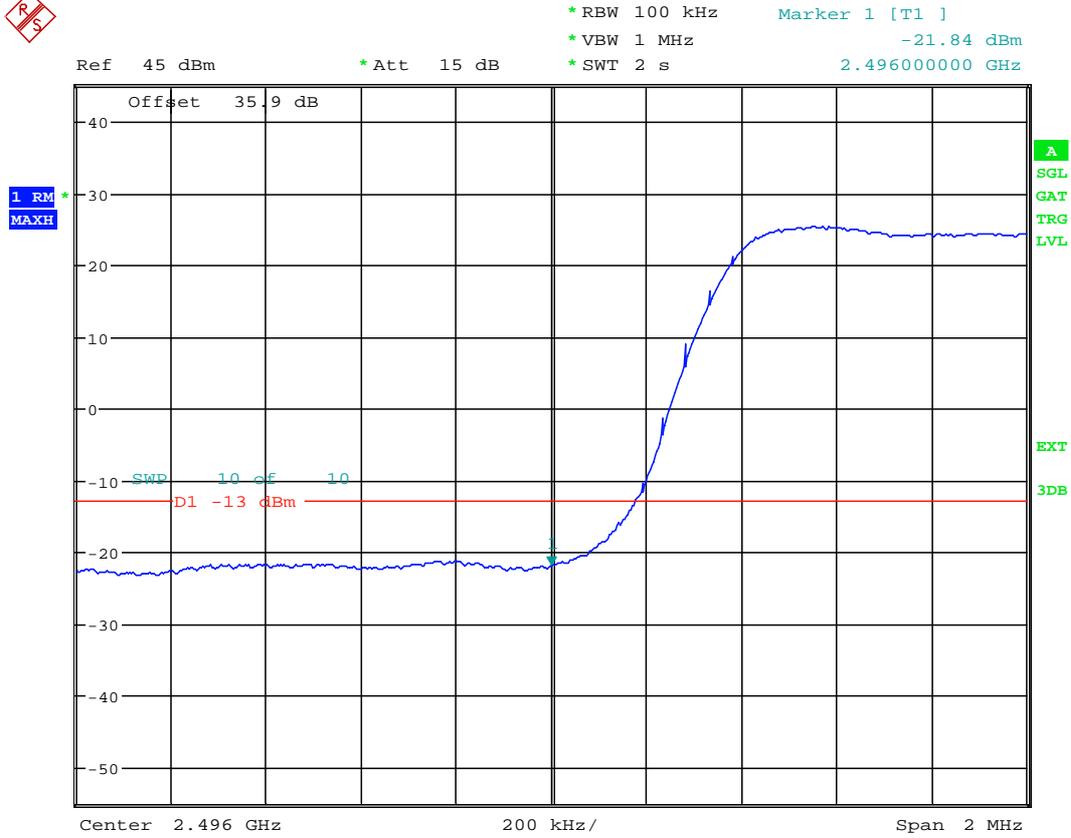


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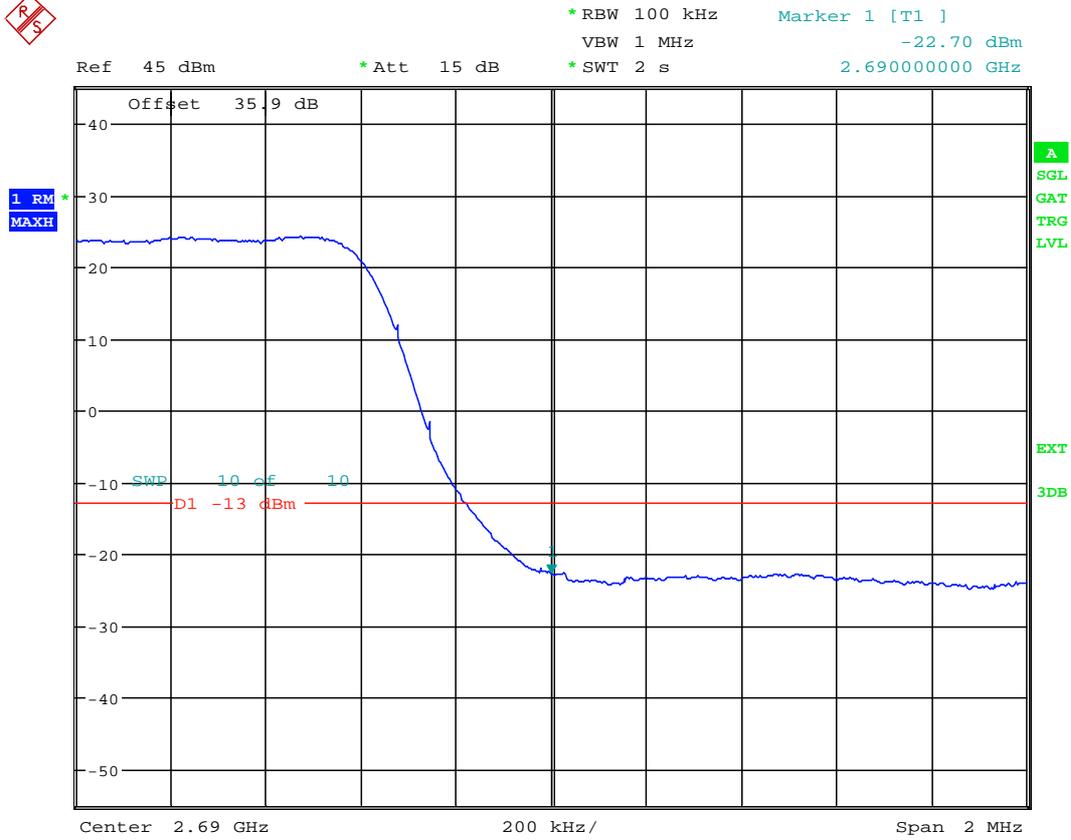
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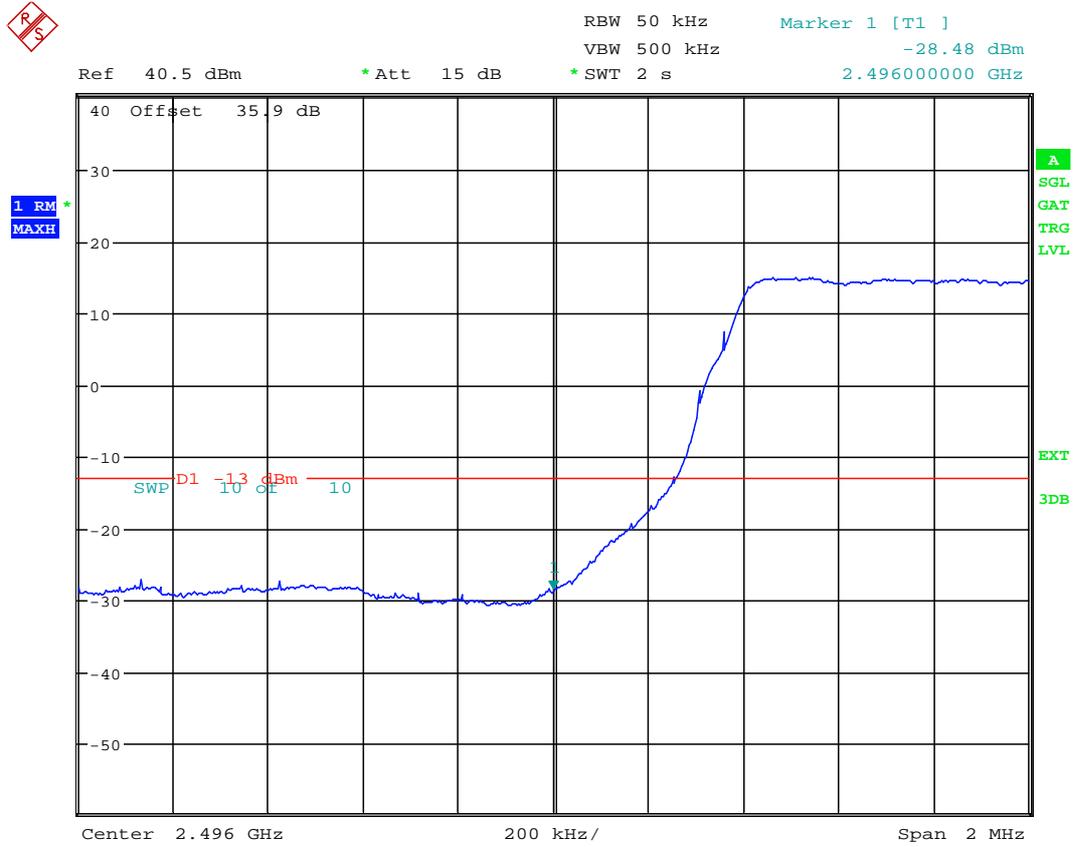
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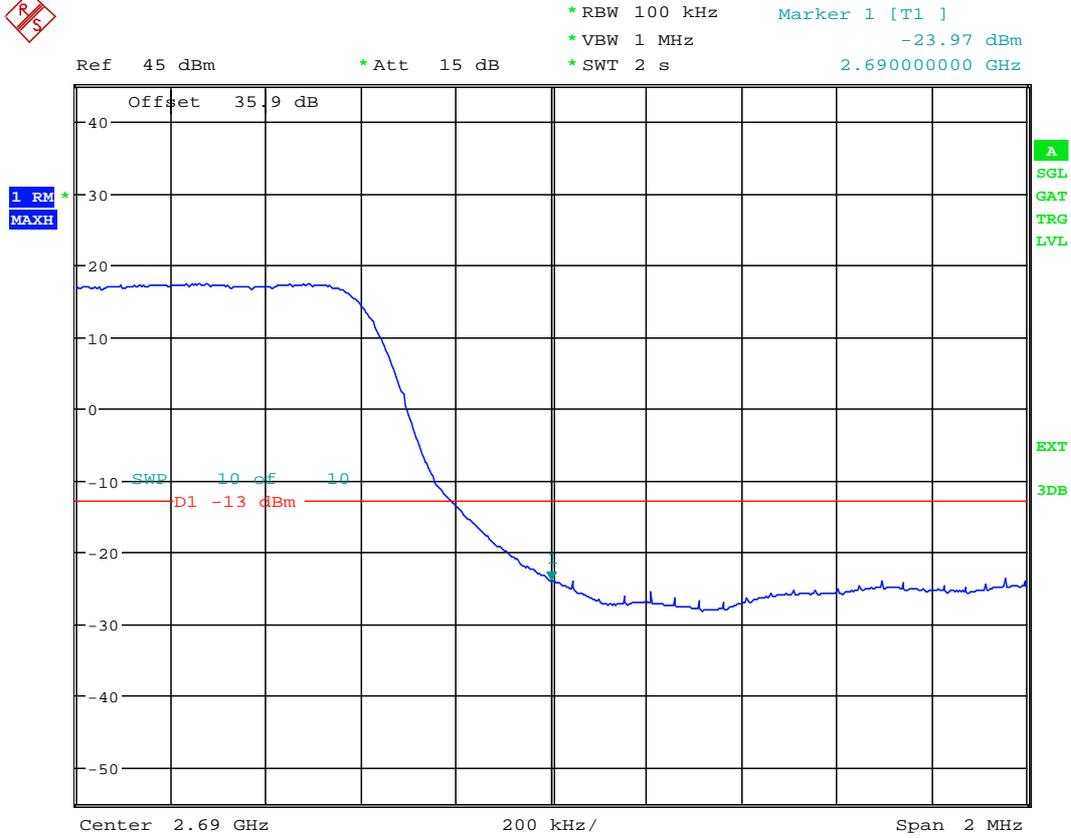
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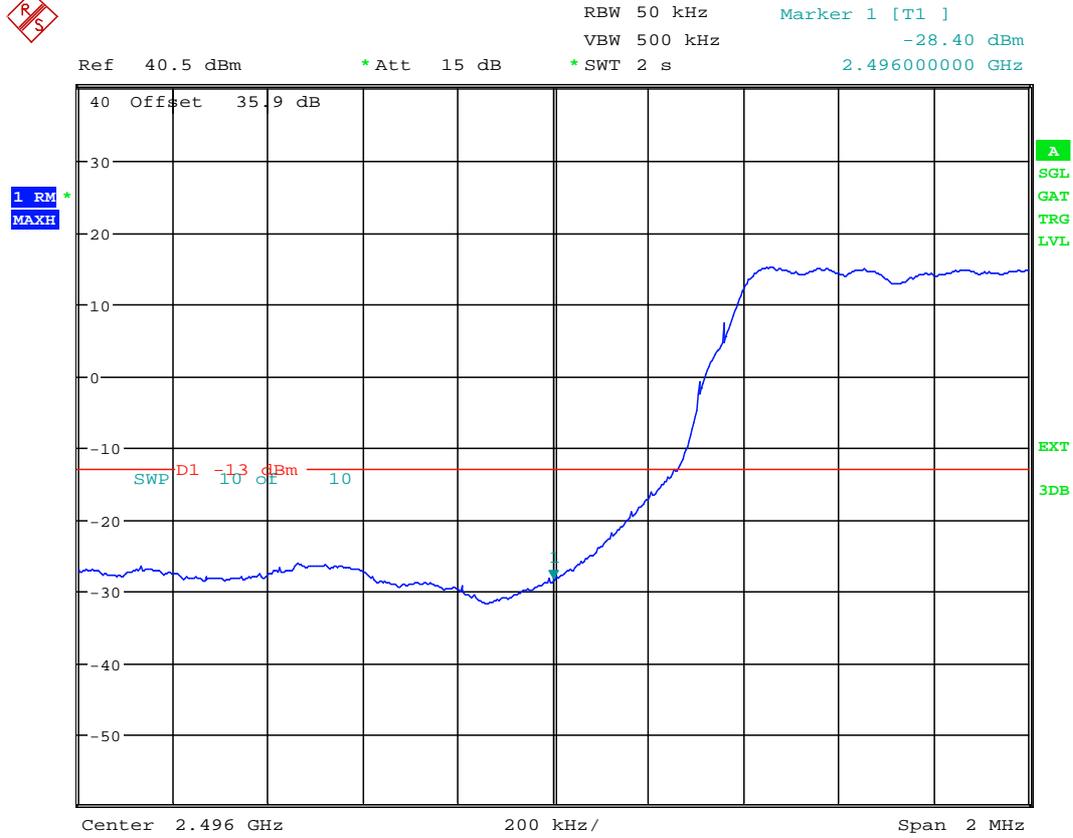
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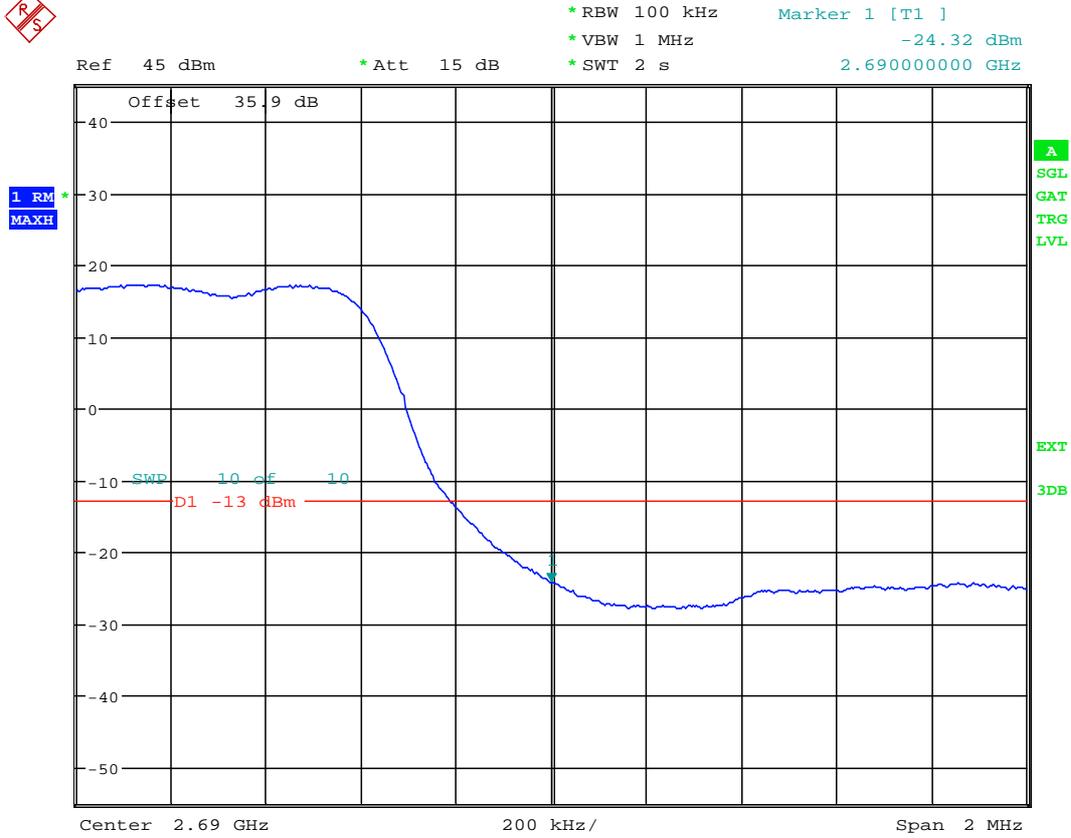
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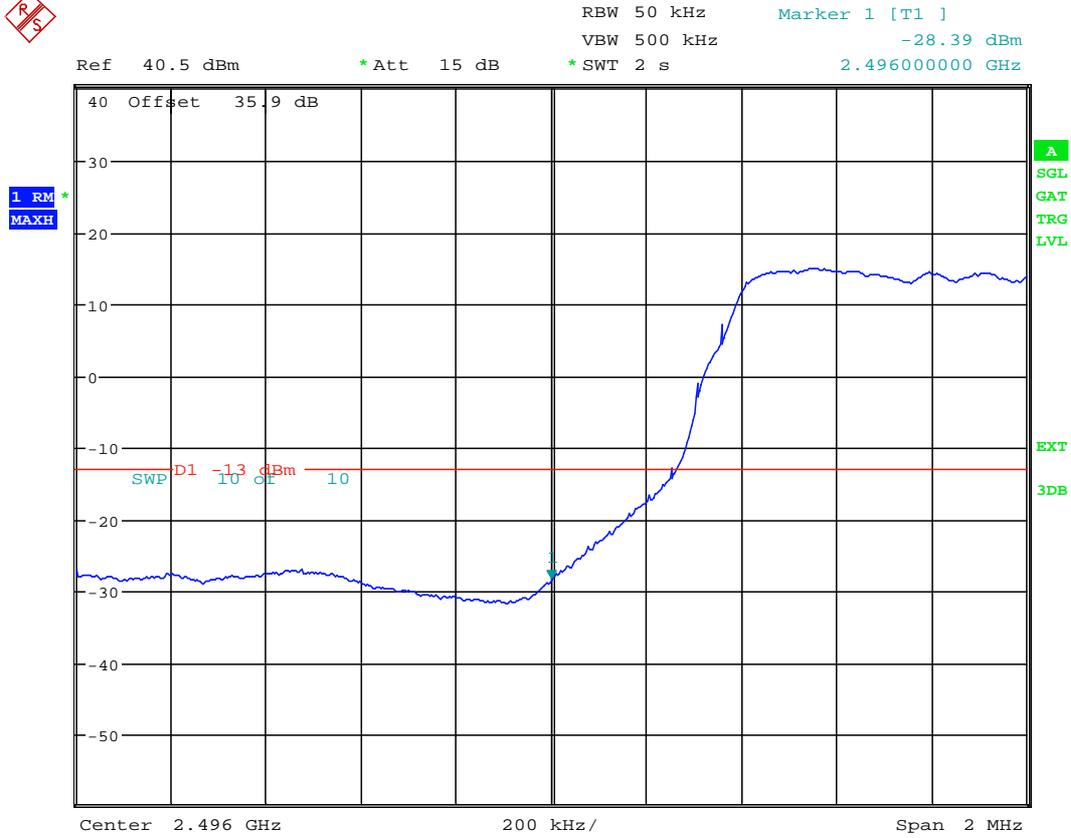
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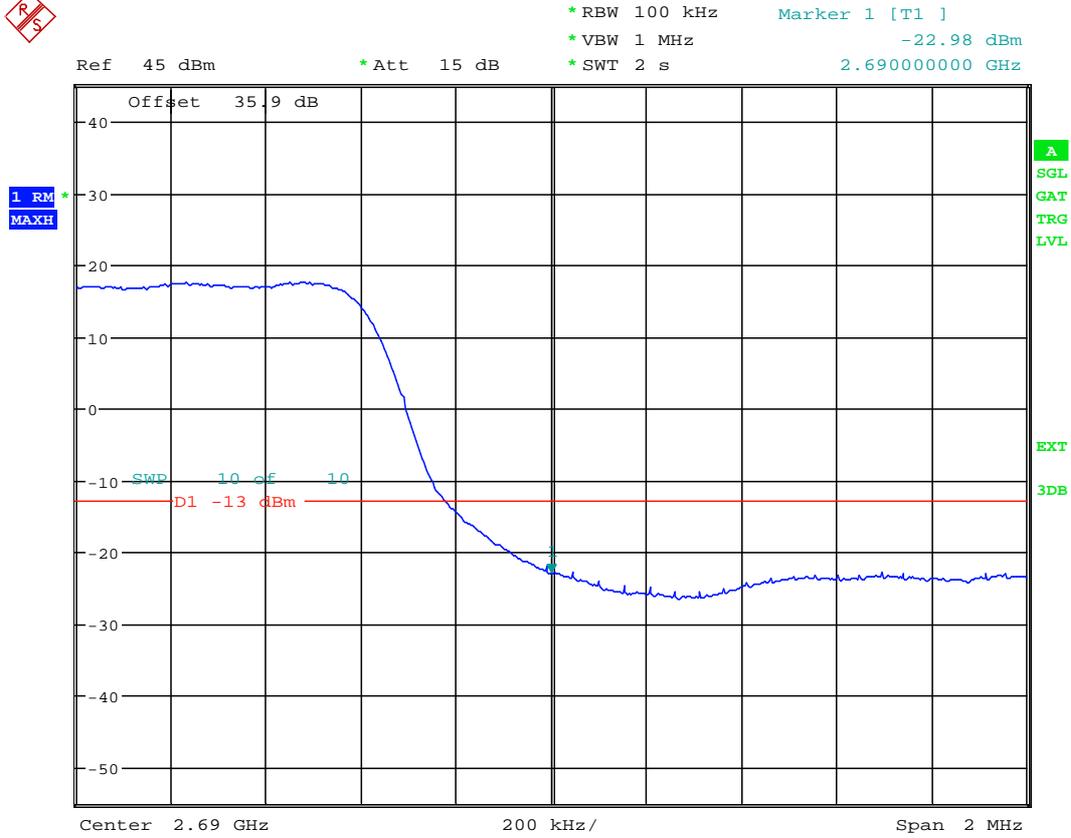
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Date: 3.JUN.2011 16:33:11



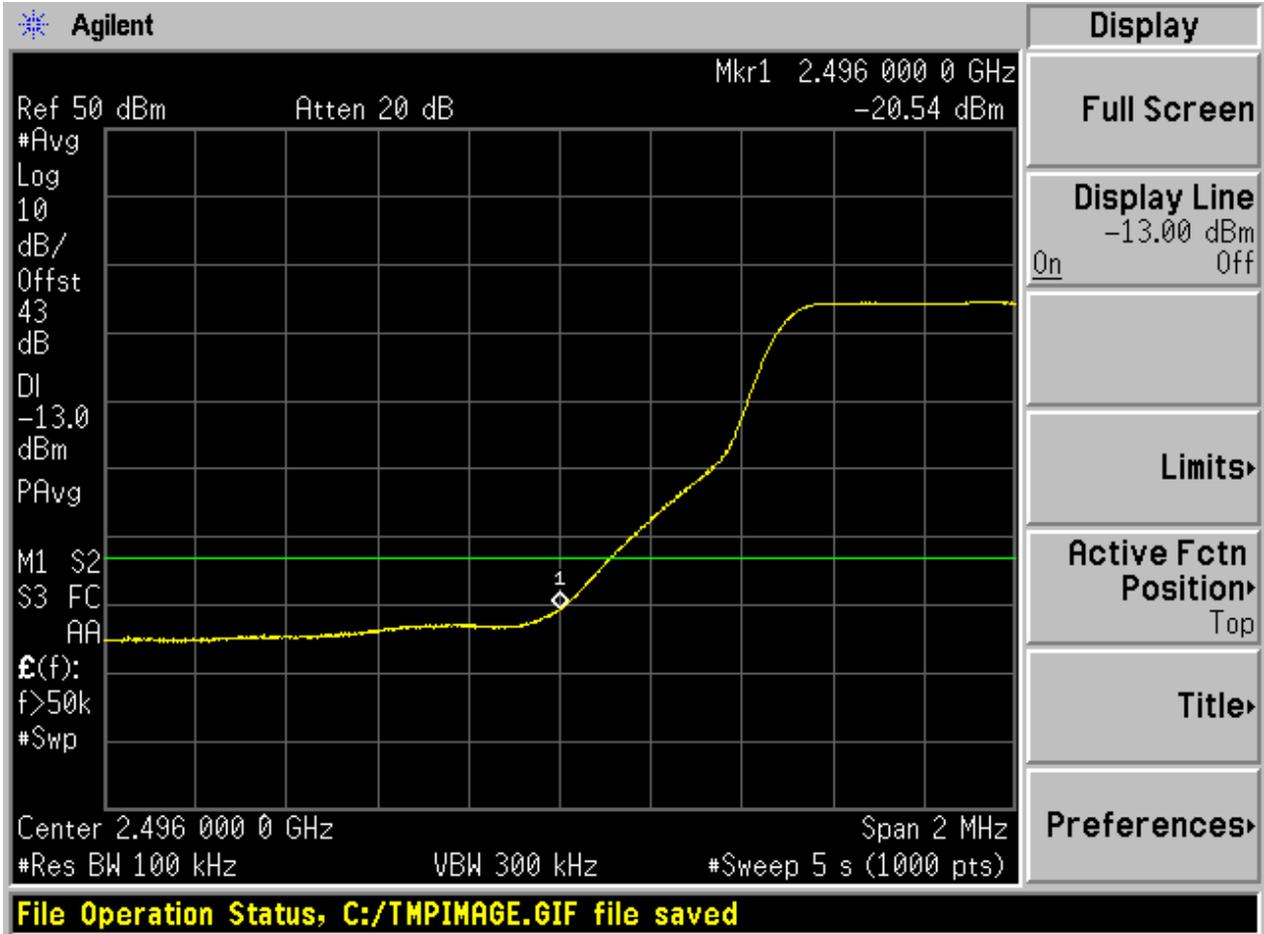
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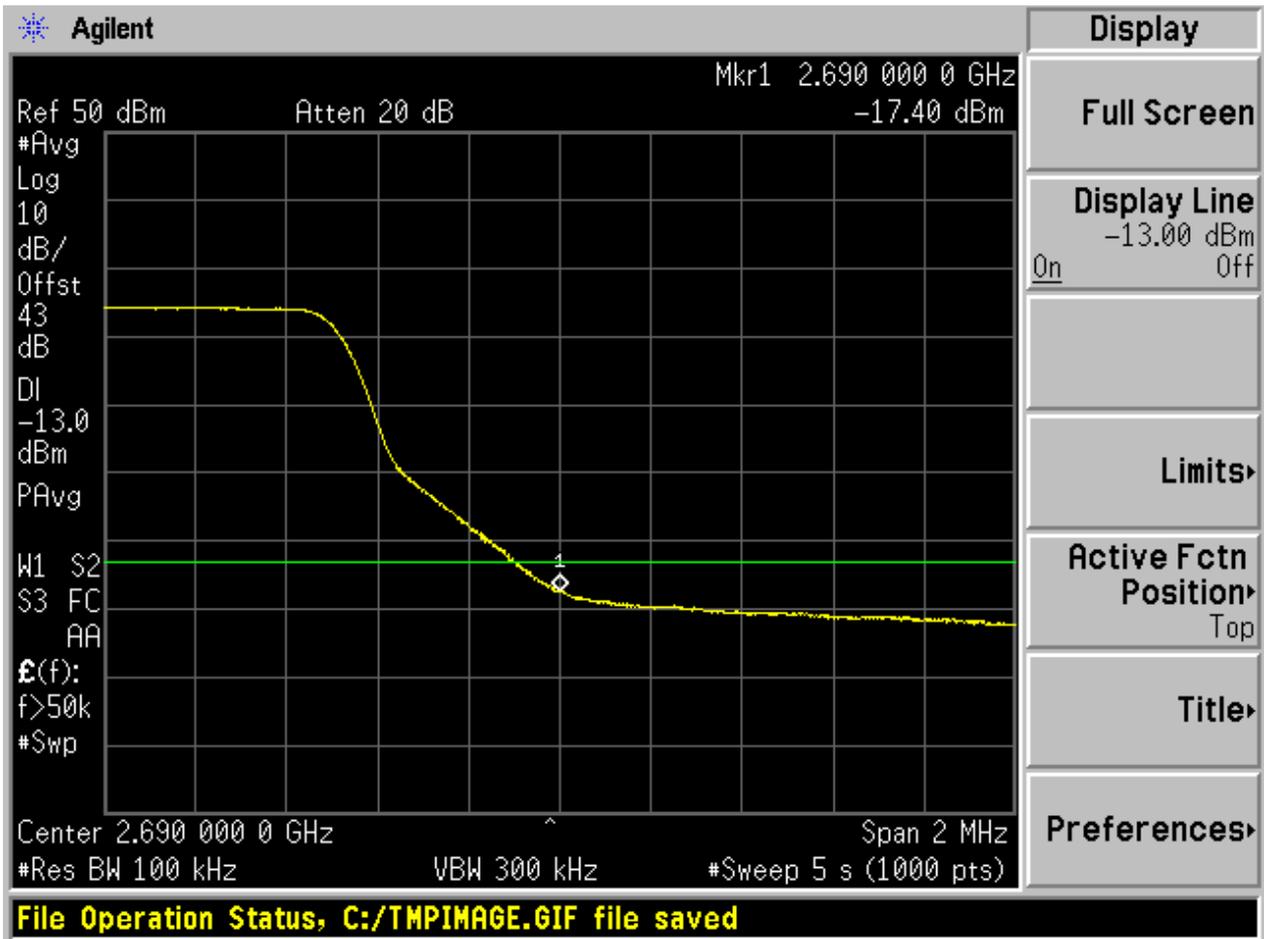
LTE:

EDGE-10M-TM1.1-B:





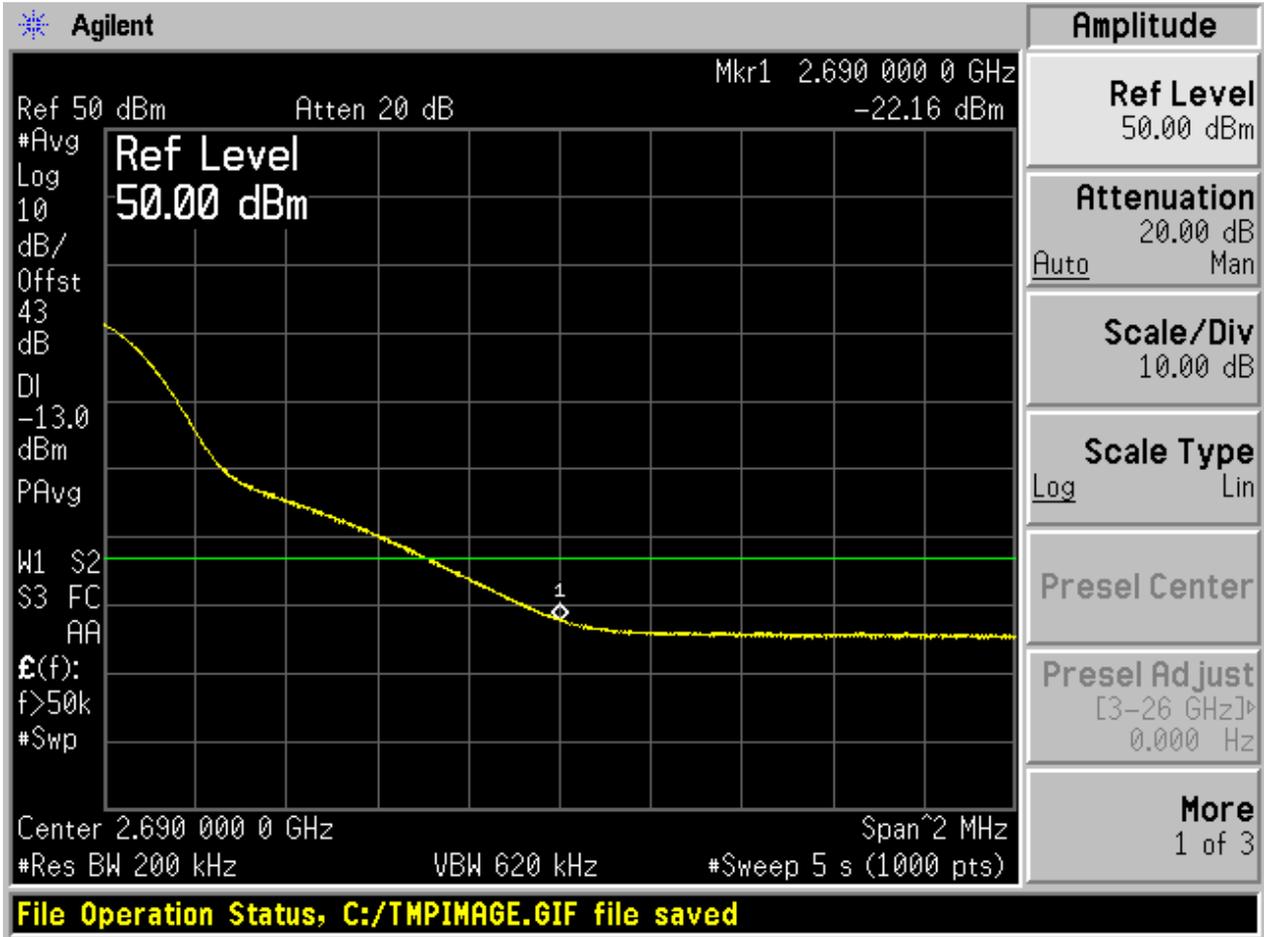
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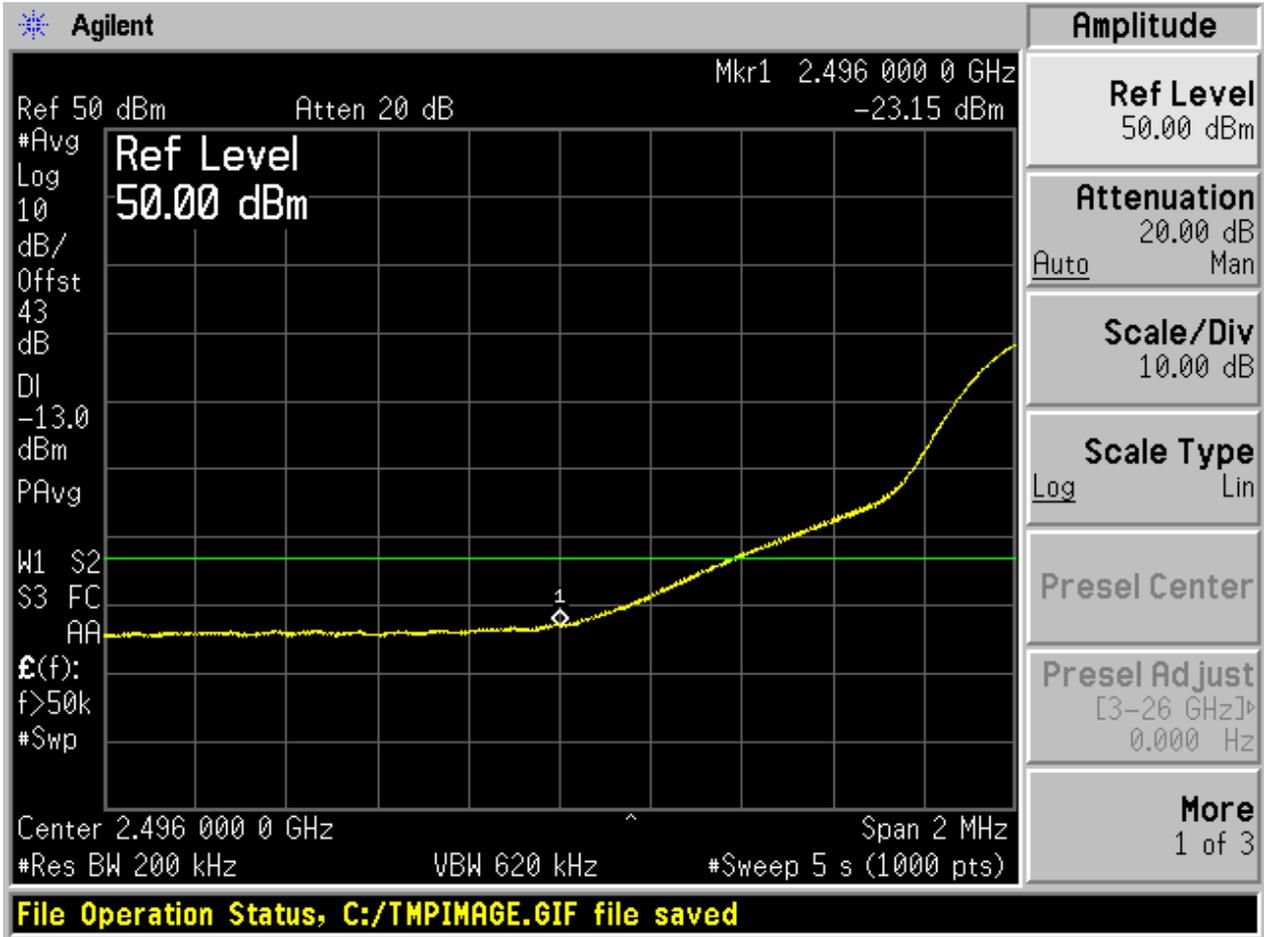


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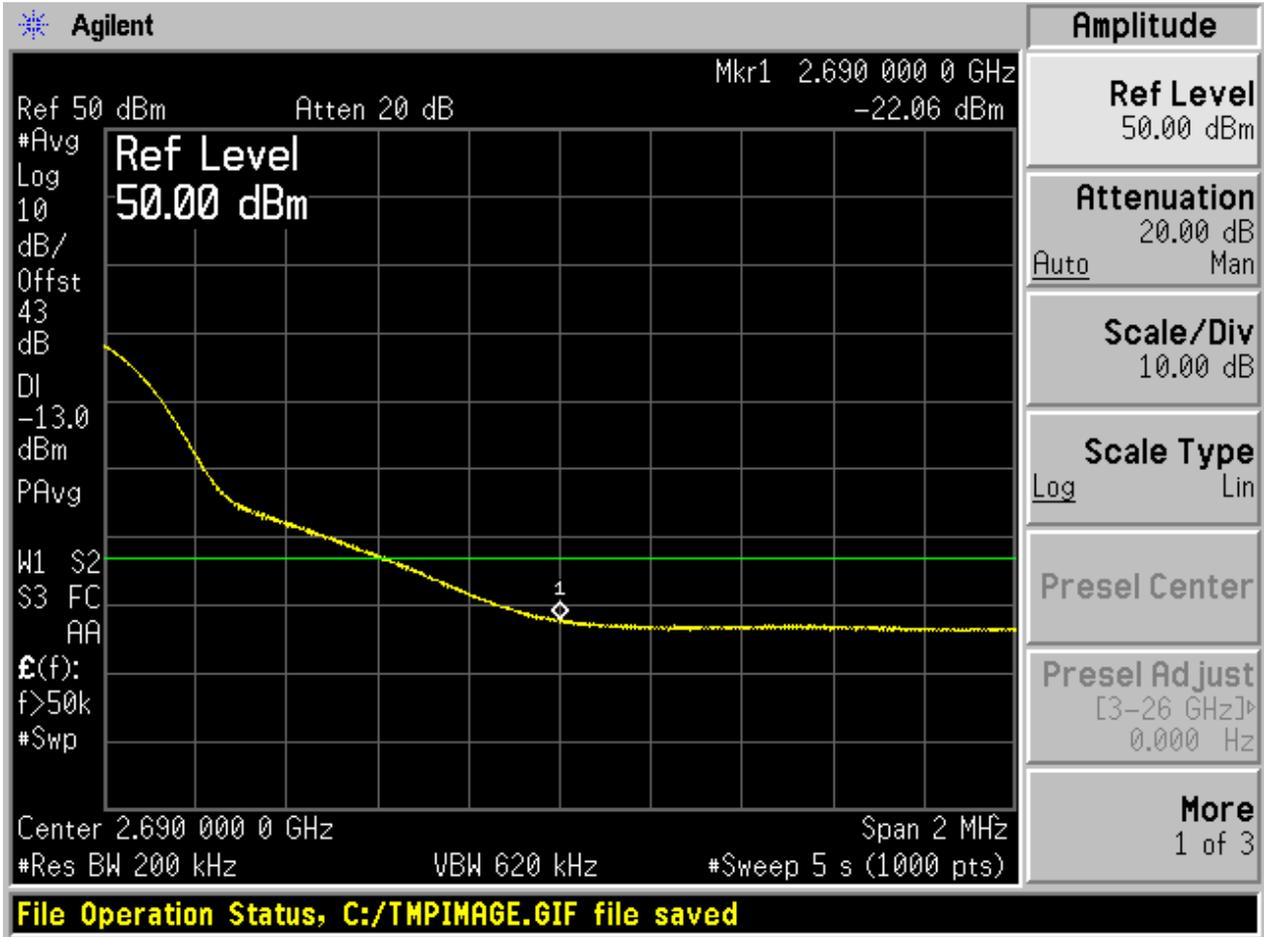


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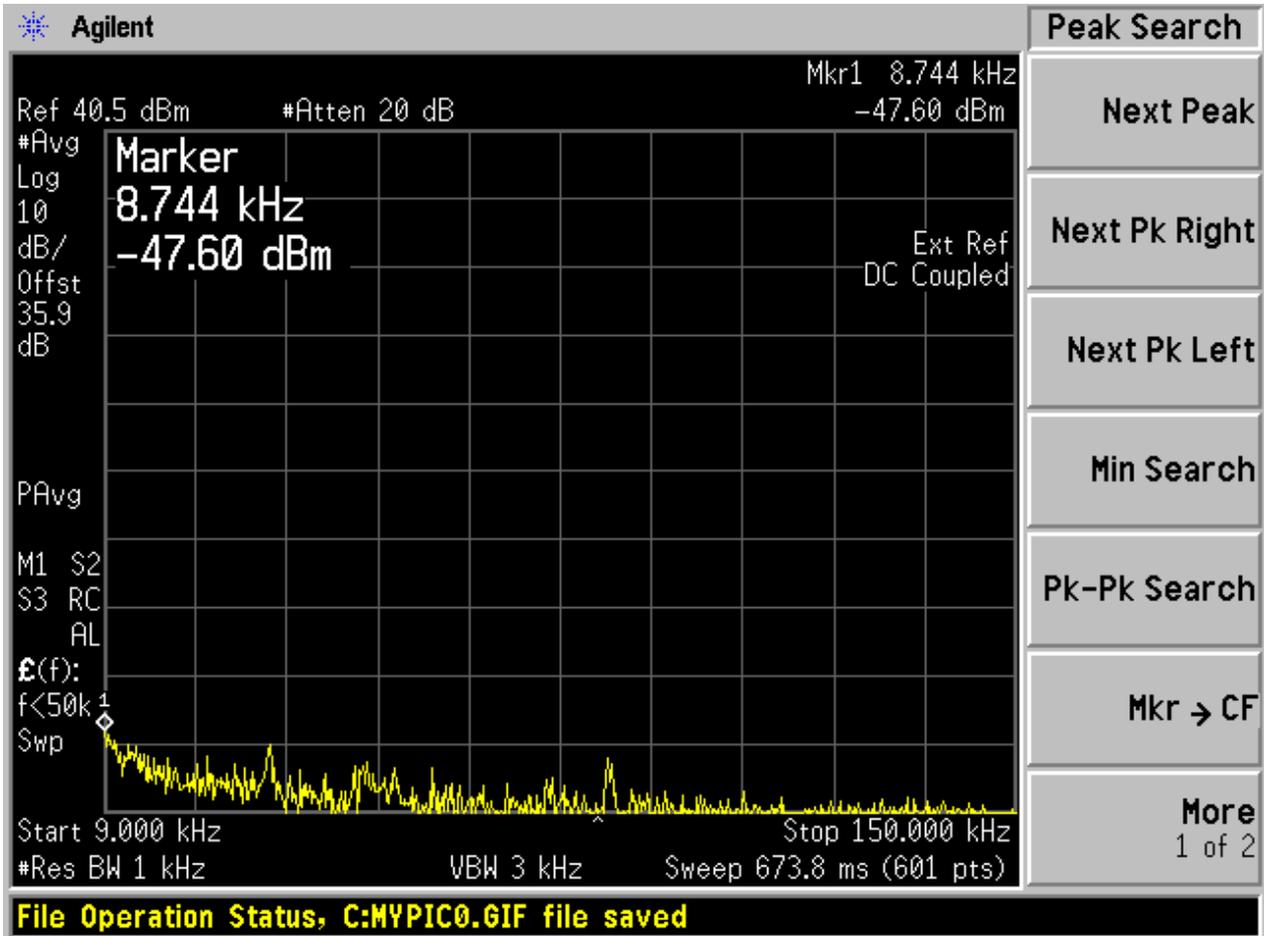
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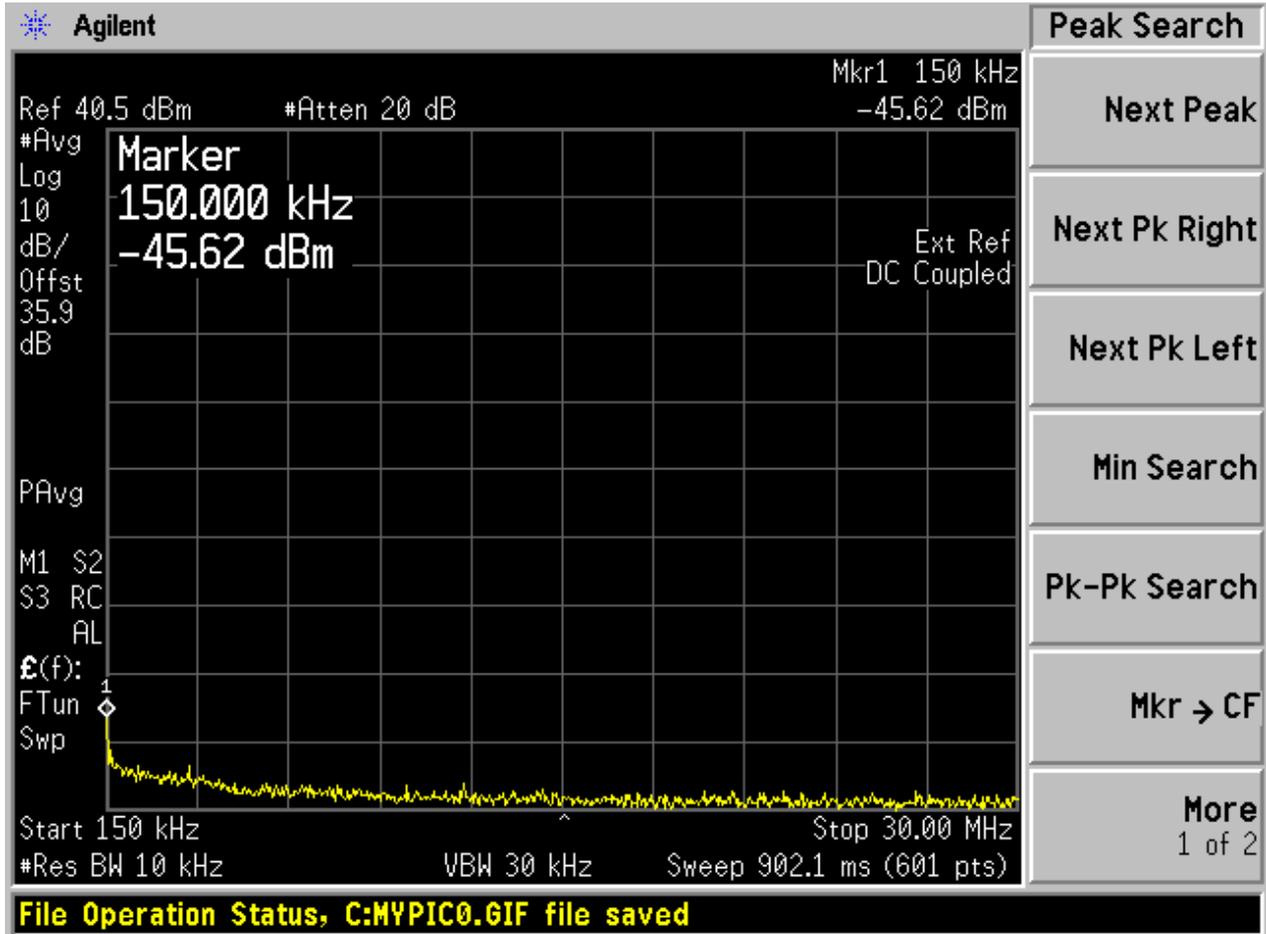


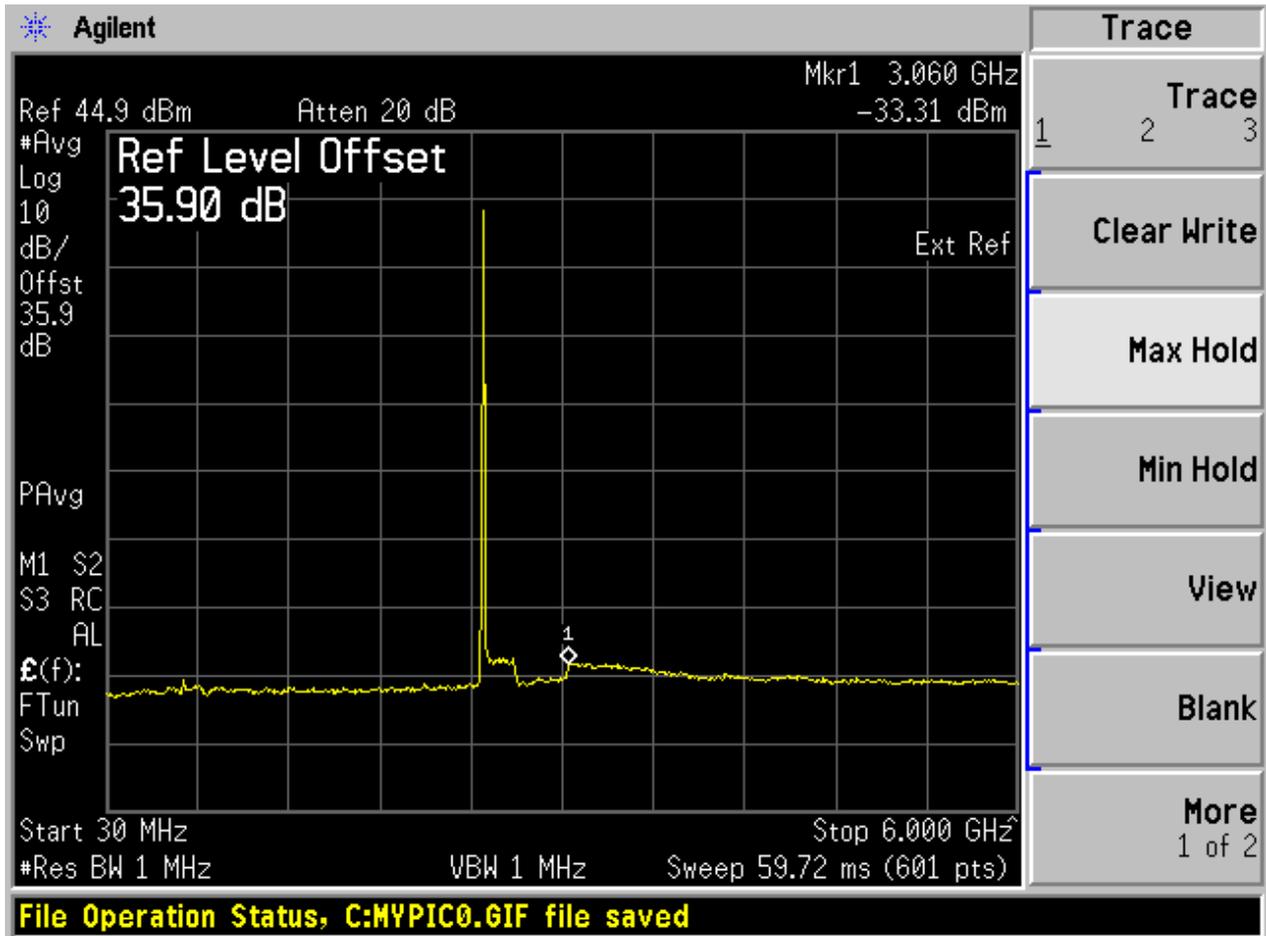
### Annex A.5 Spurious Emission at Antenna Terminals

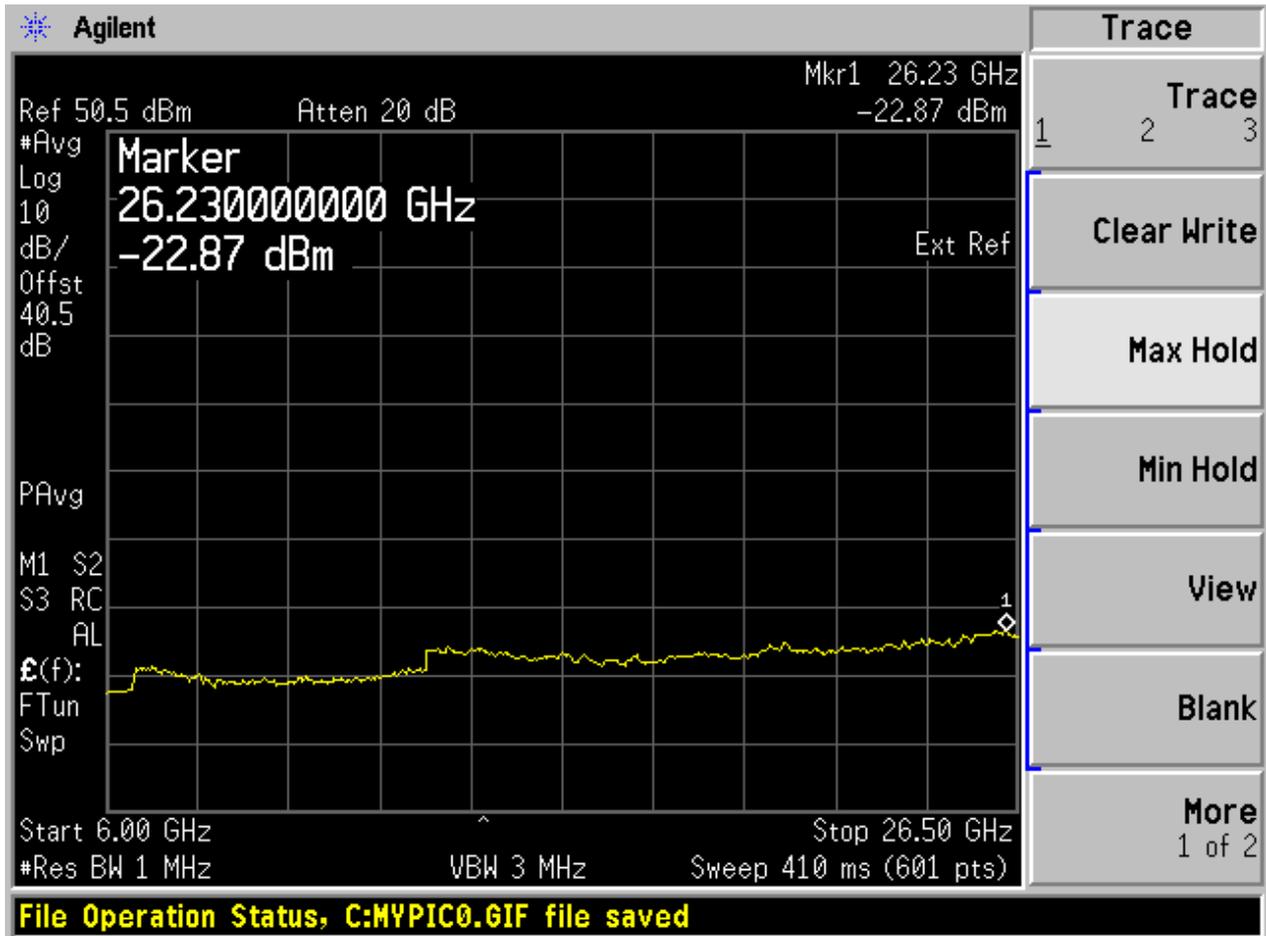
WiMAX:

CSE-5M-B:

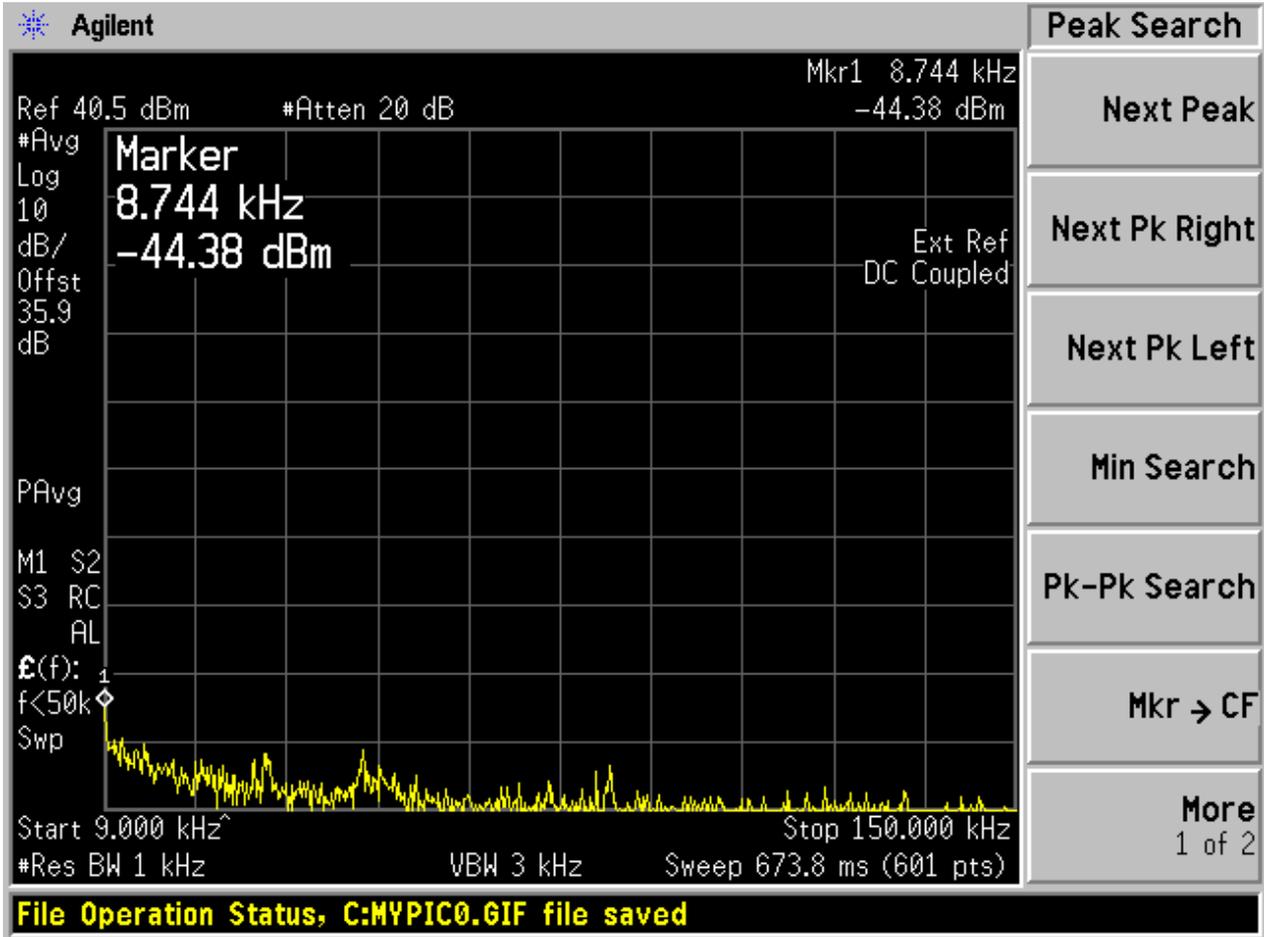


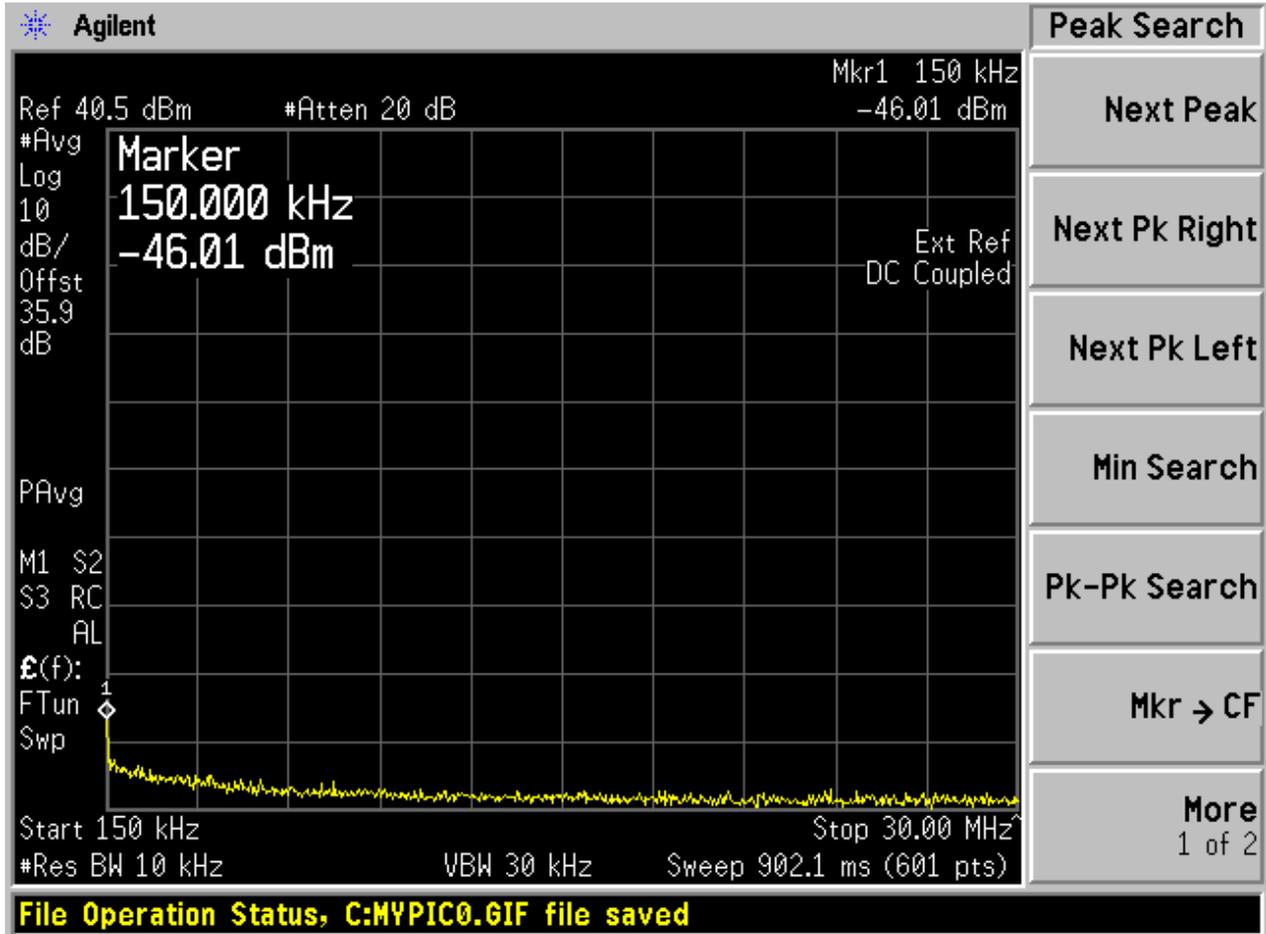


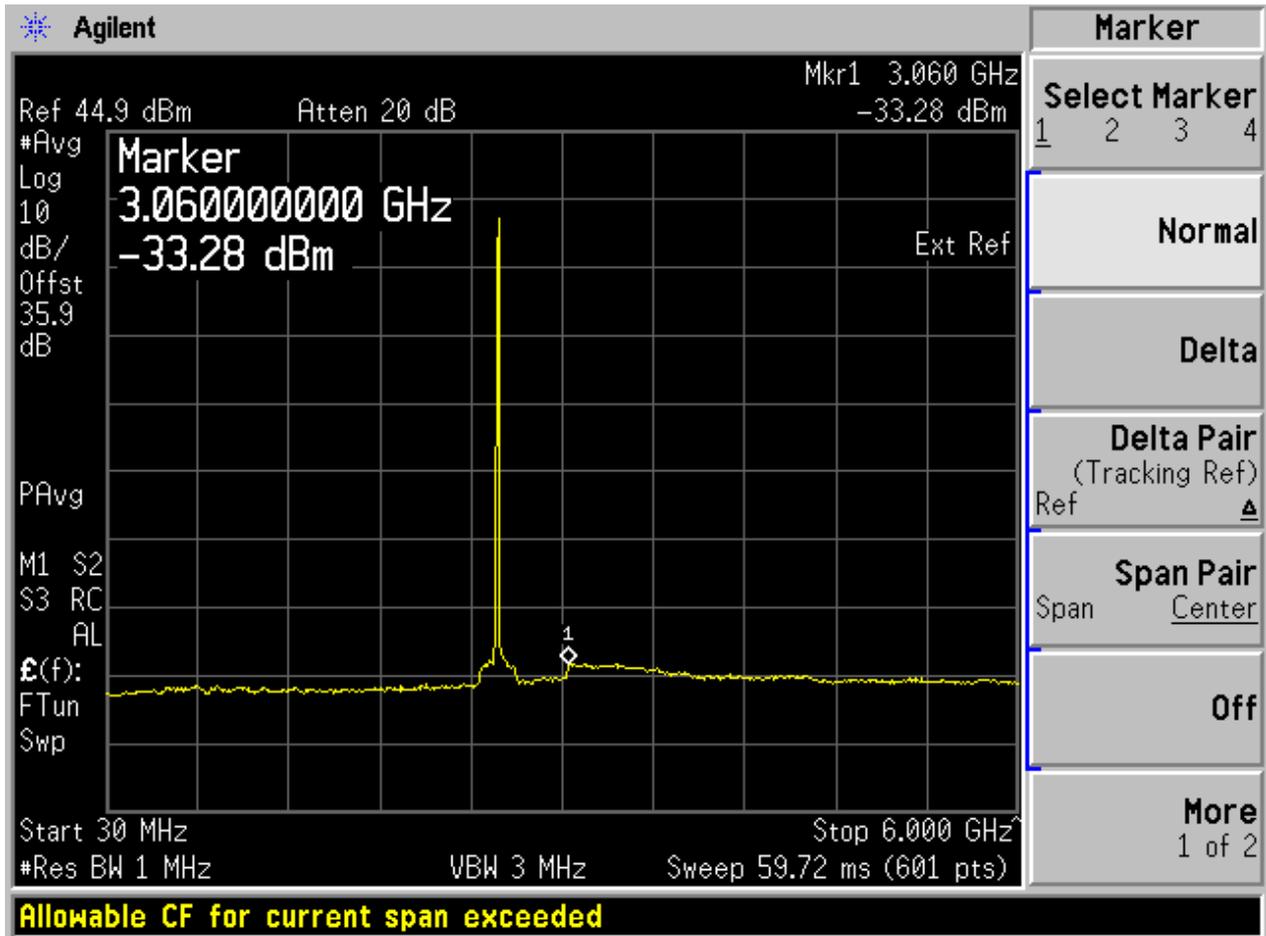


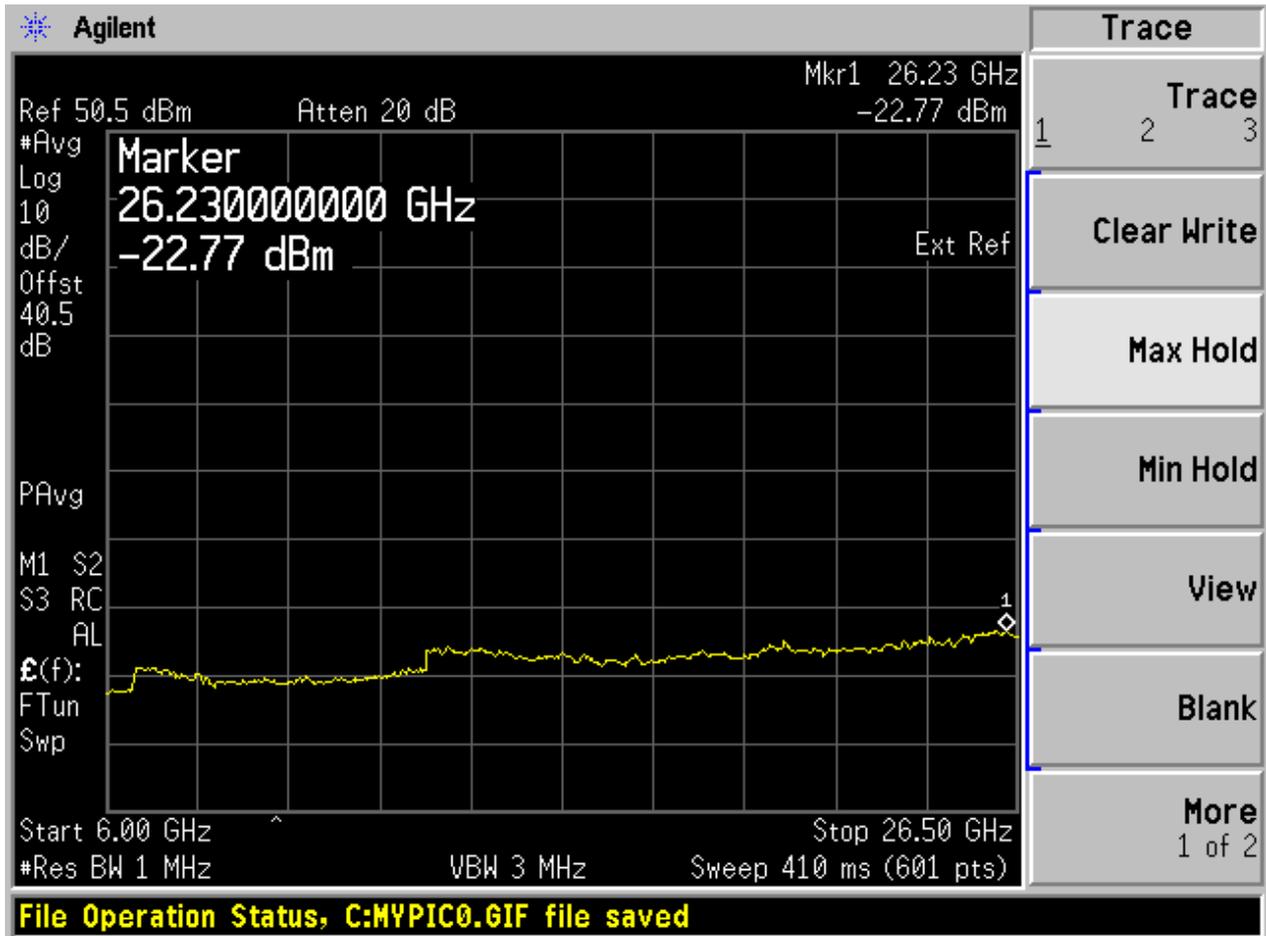


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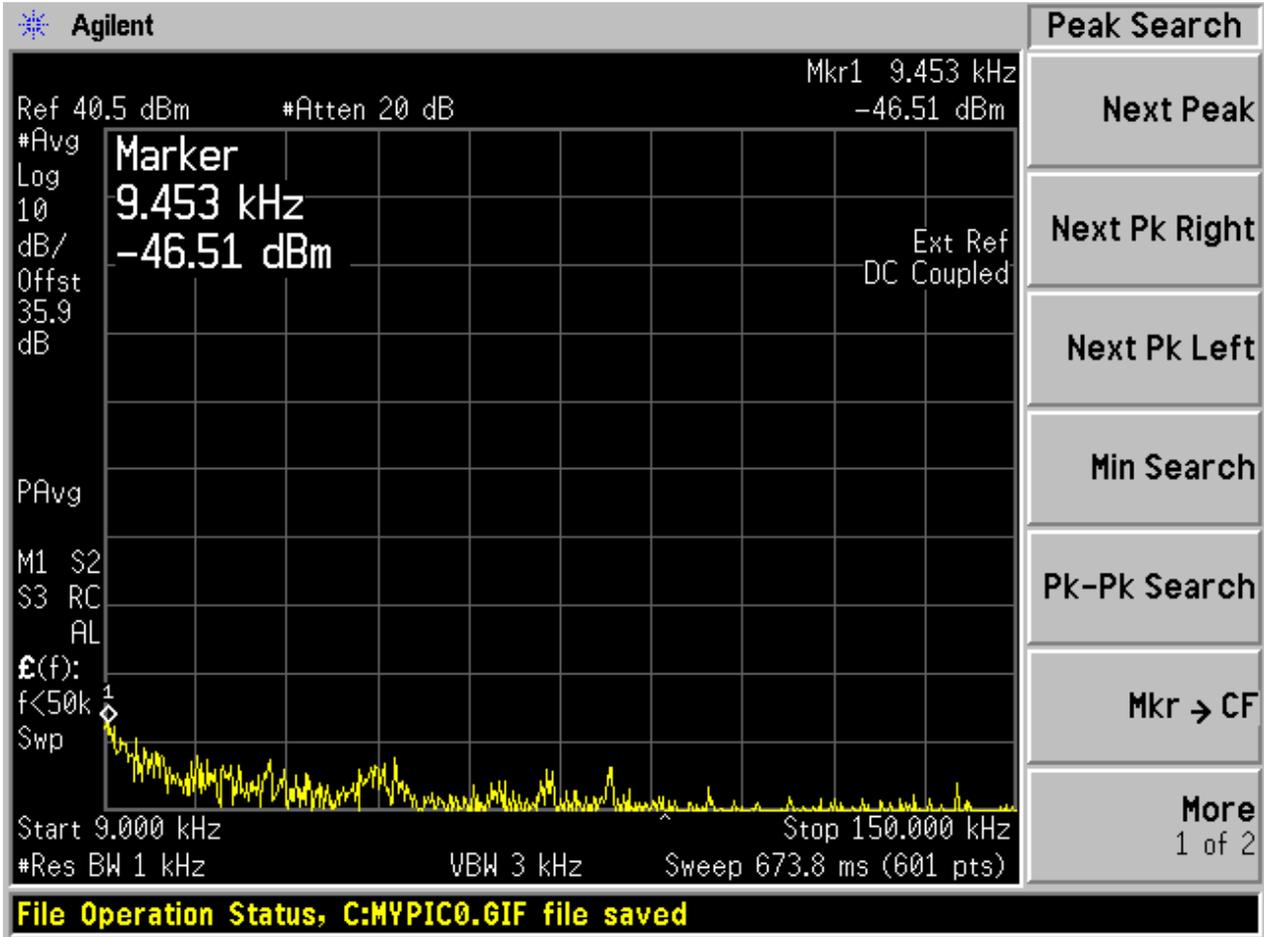


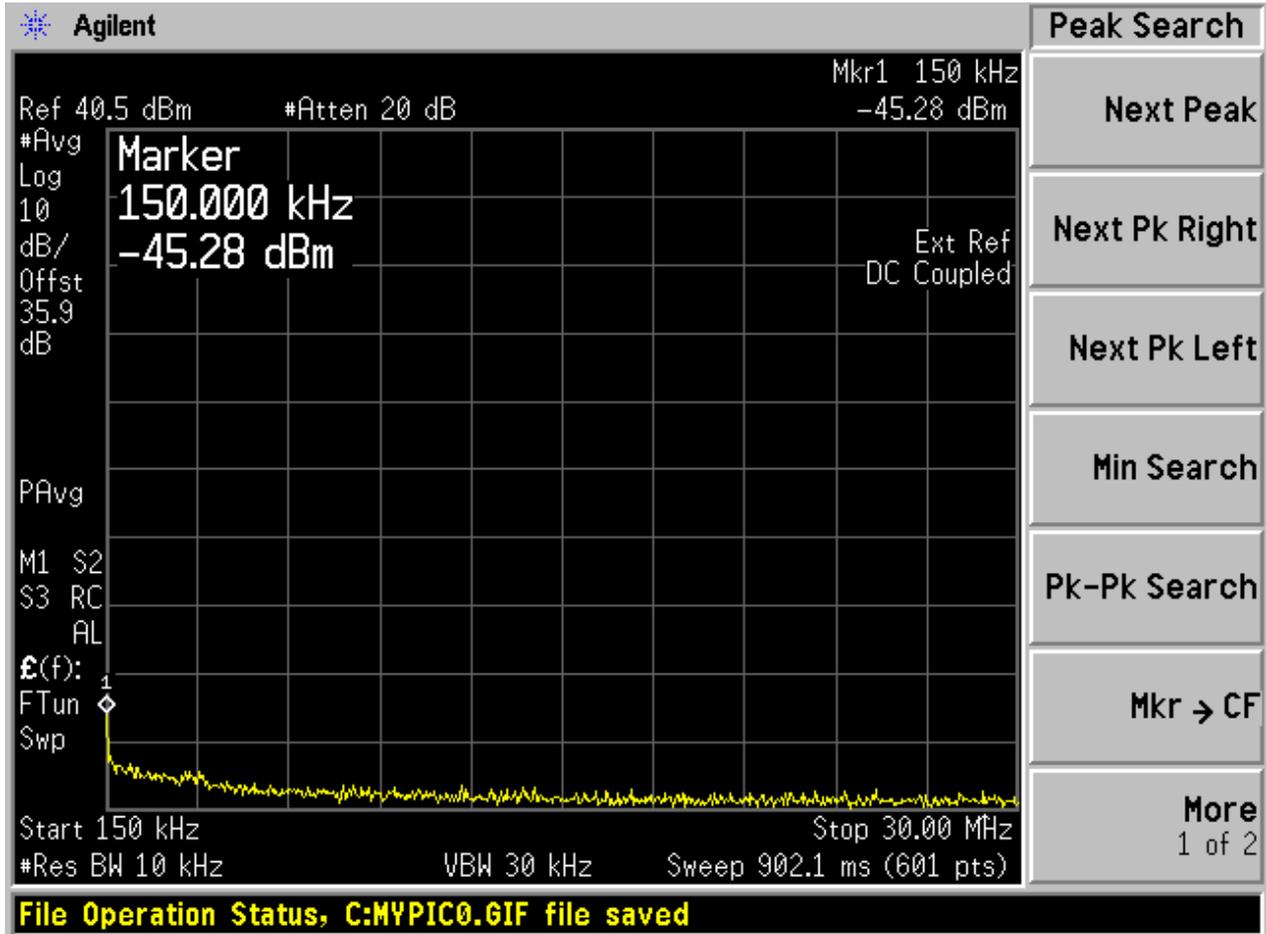


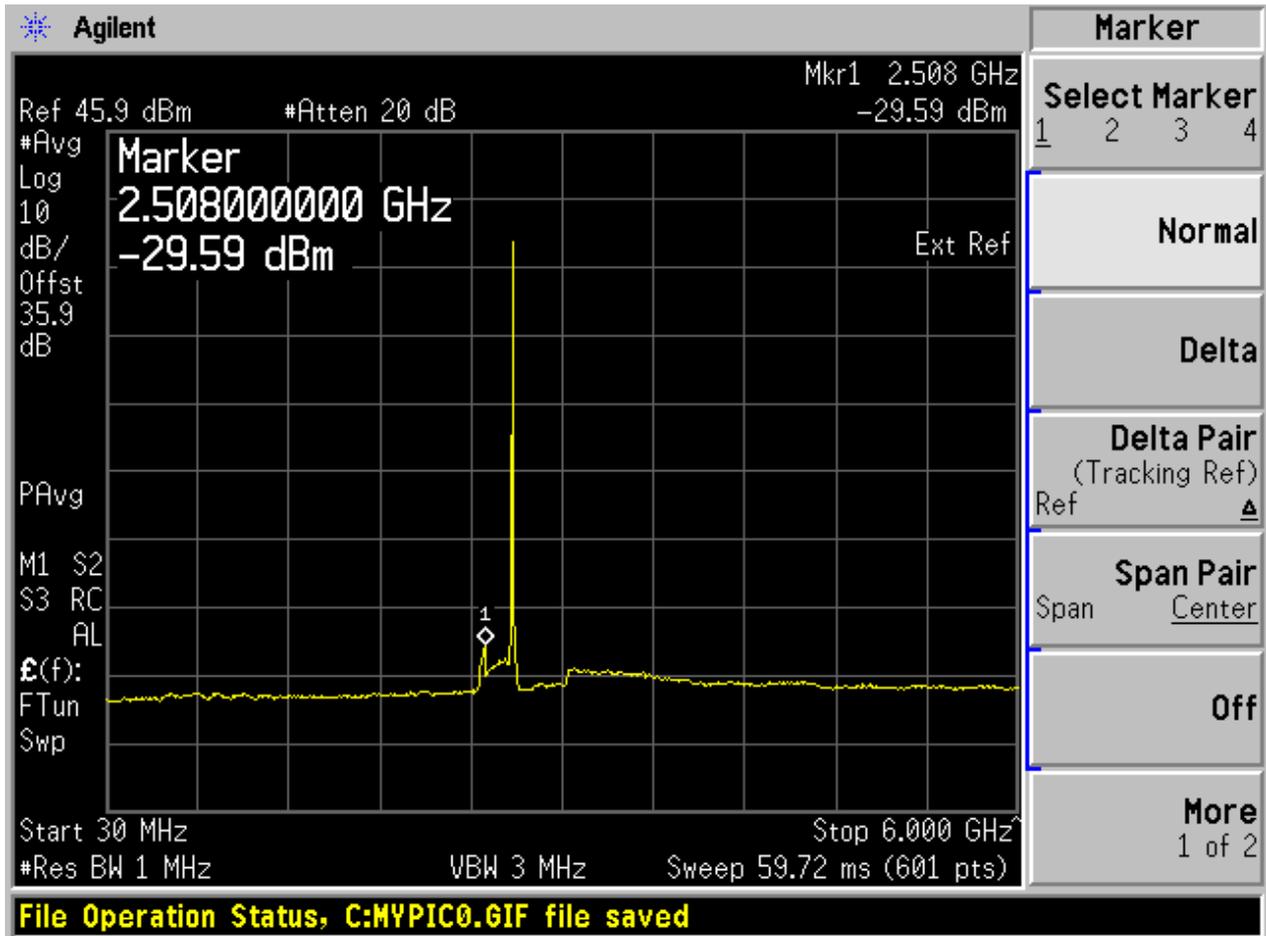


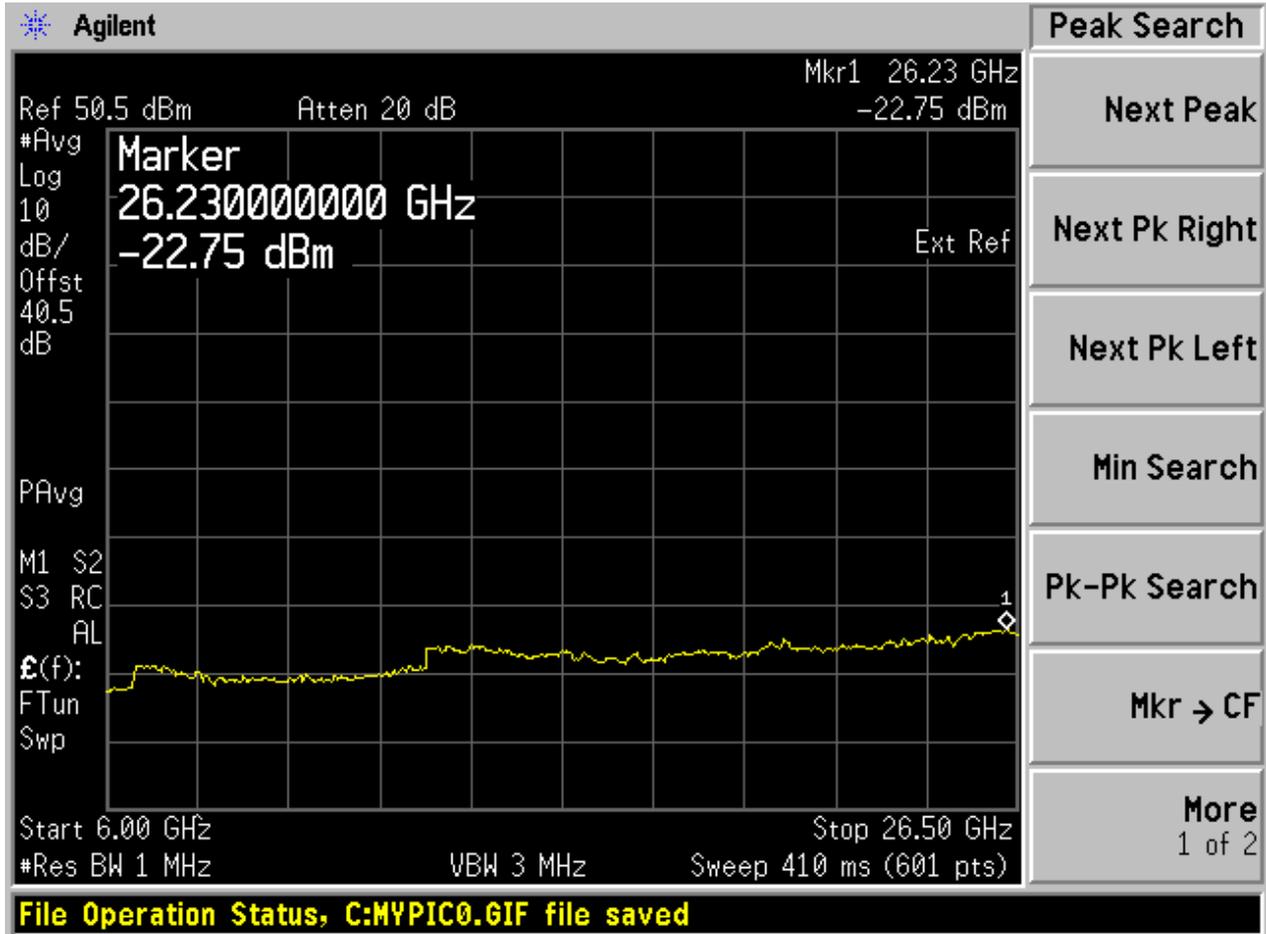


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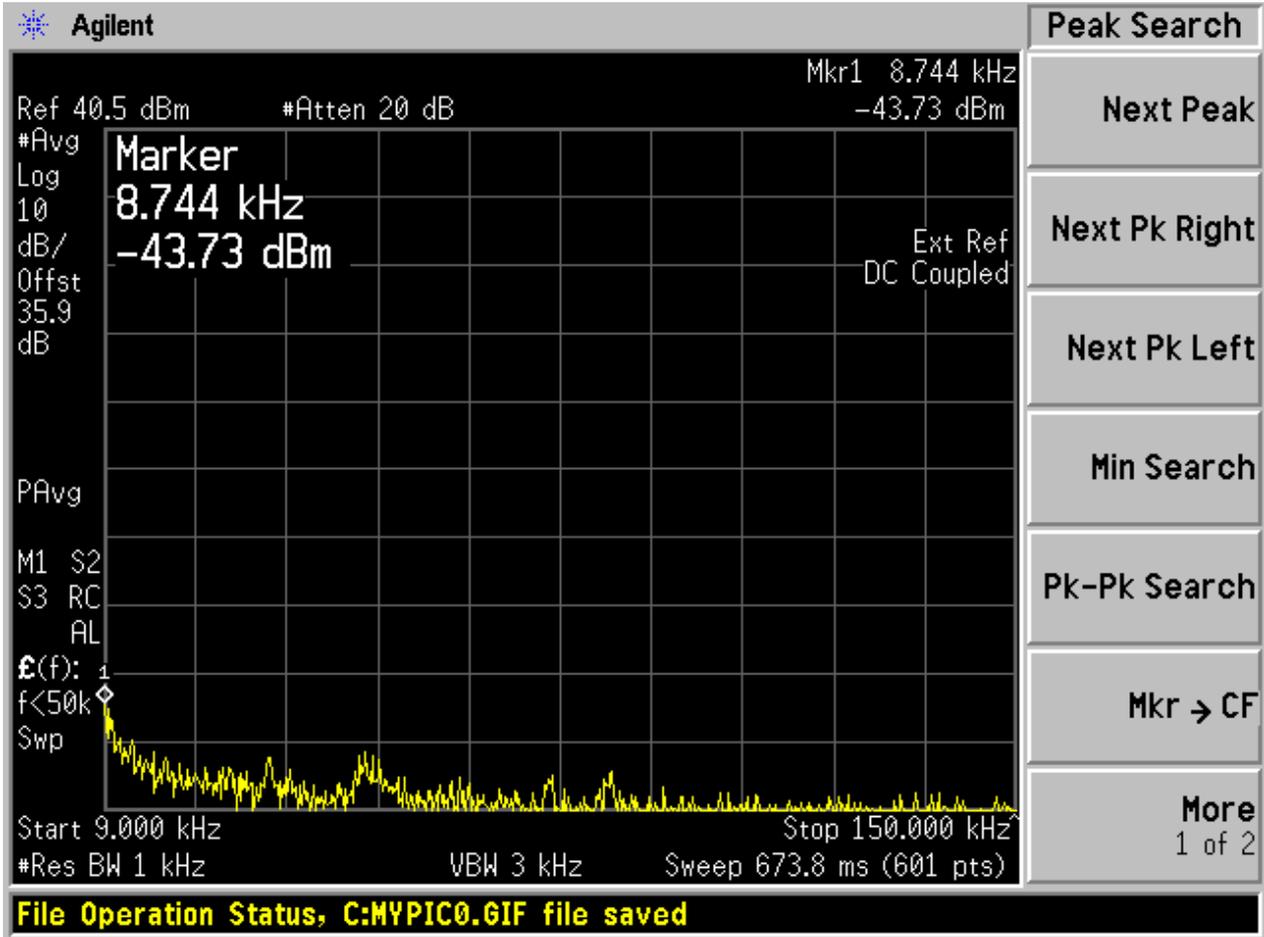


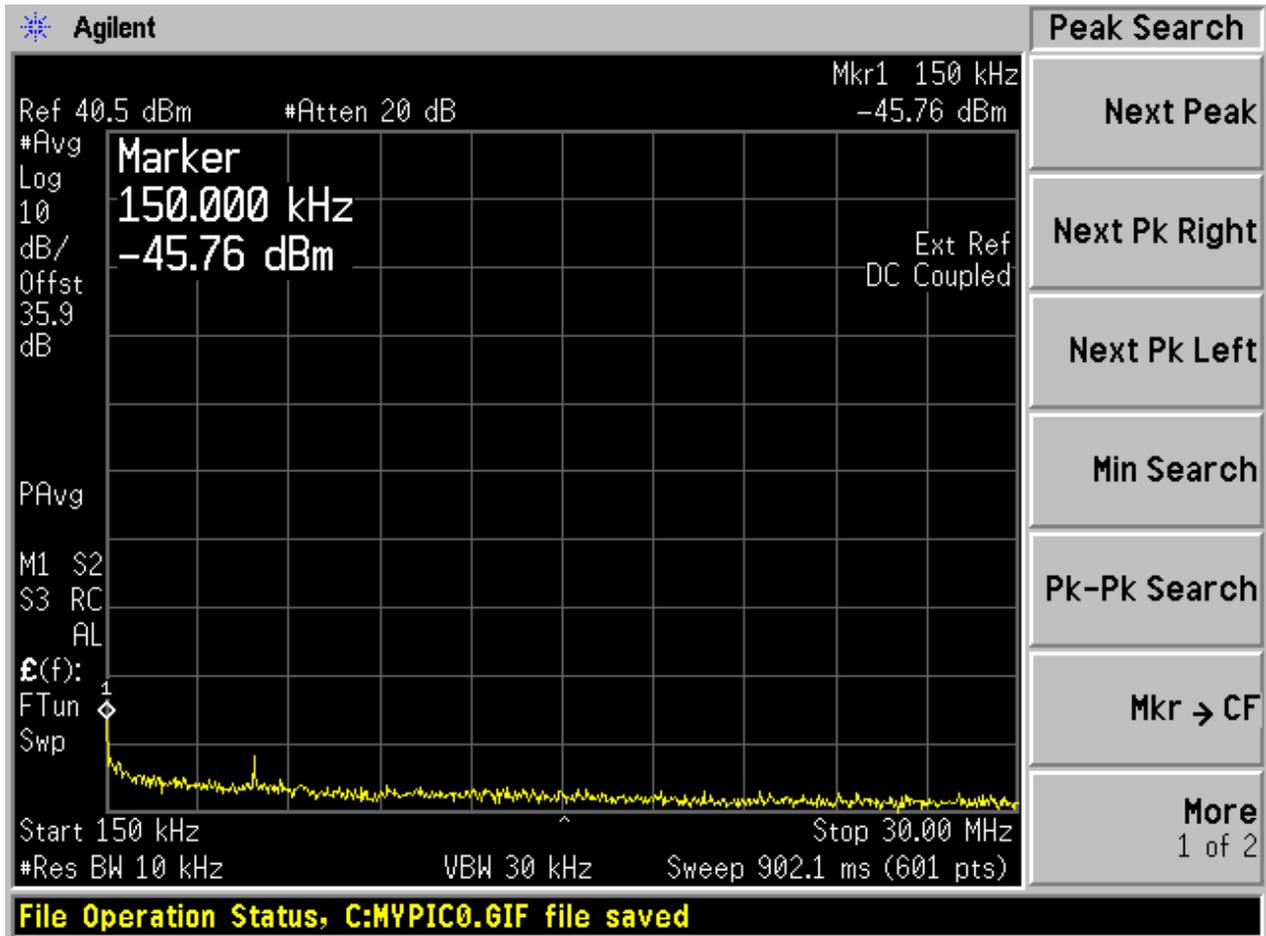


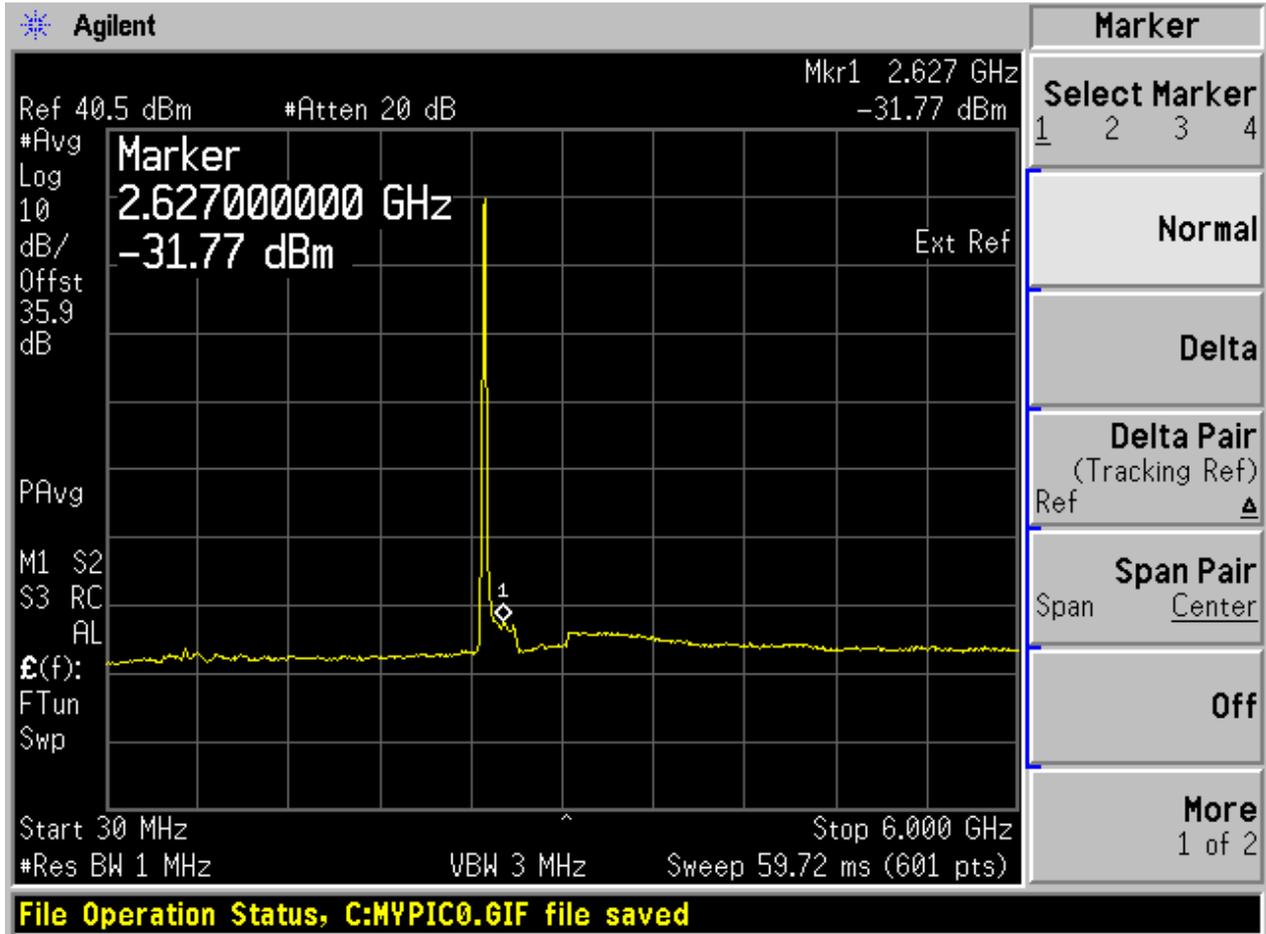


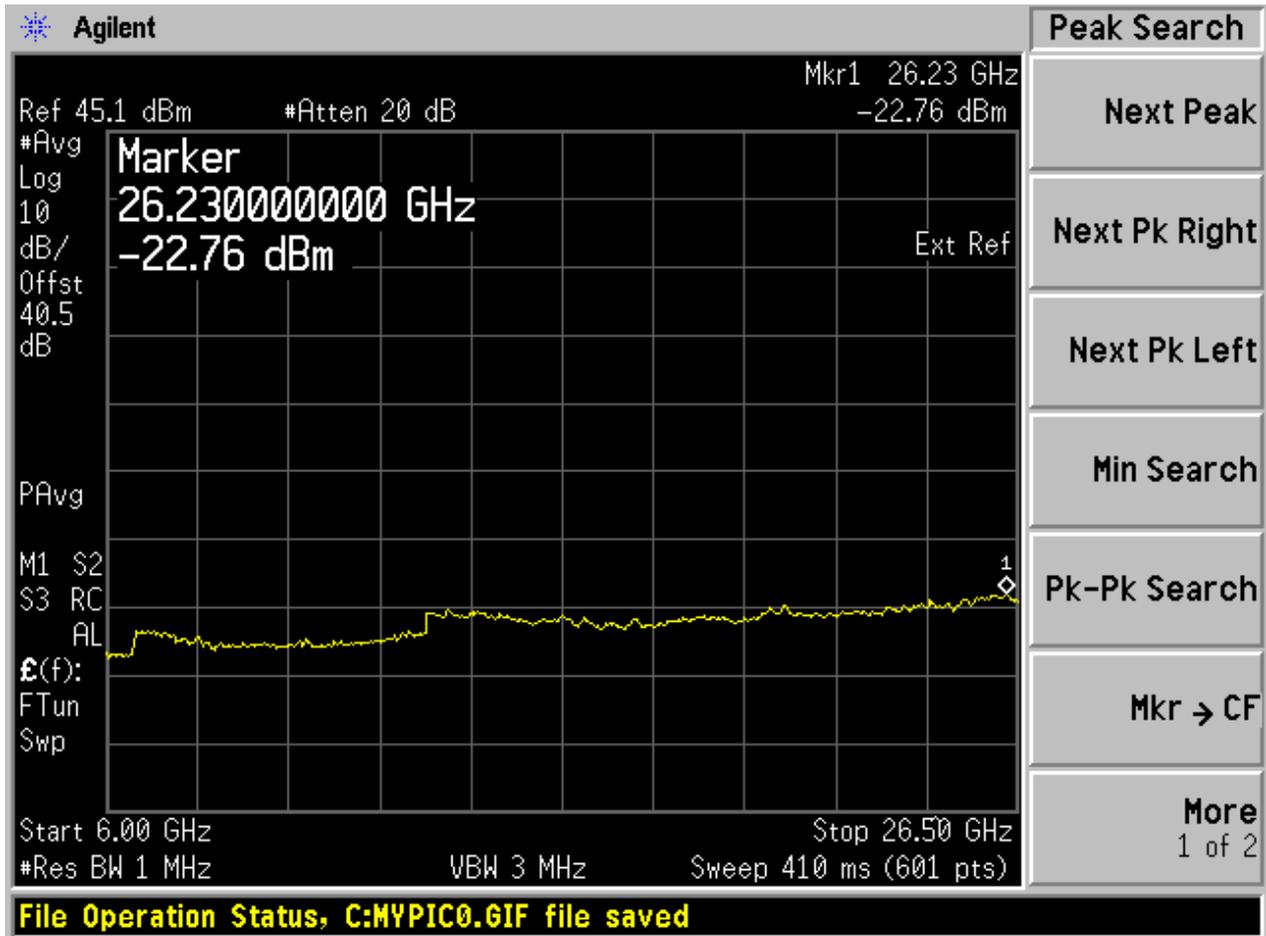


CSE-5M+5M+5M+5M-B:



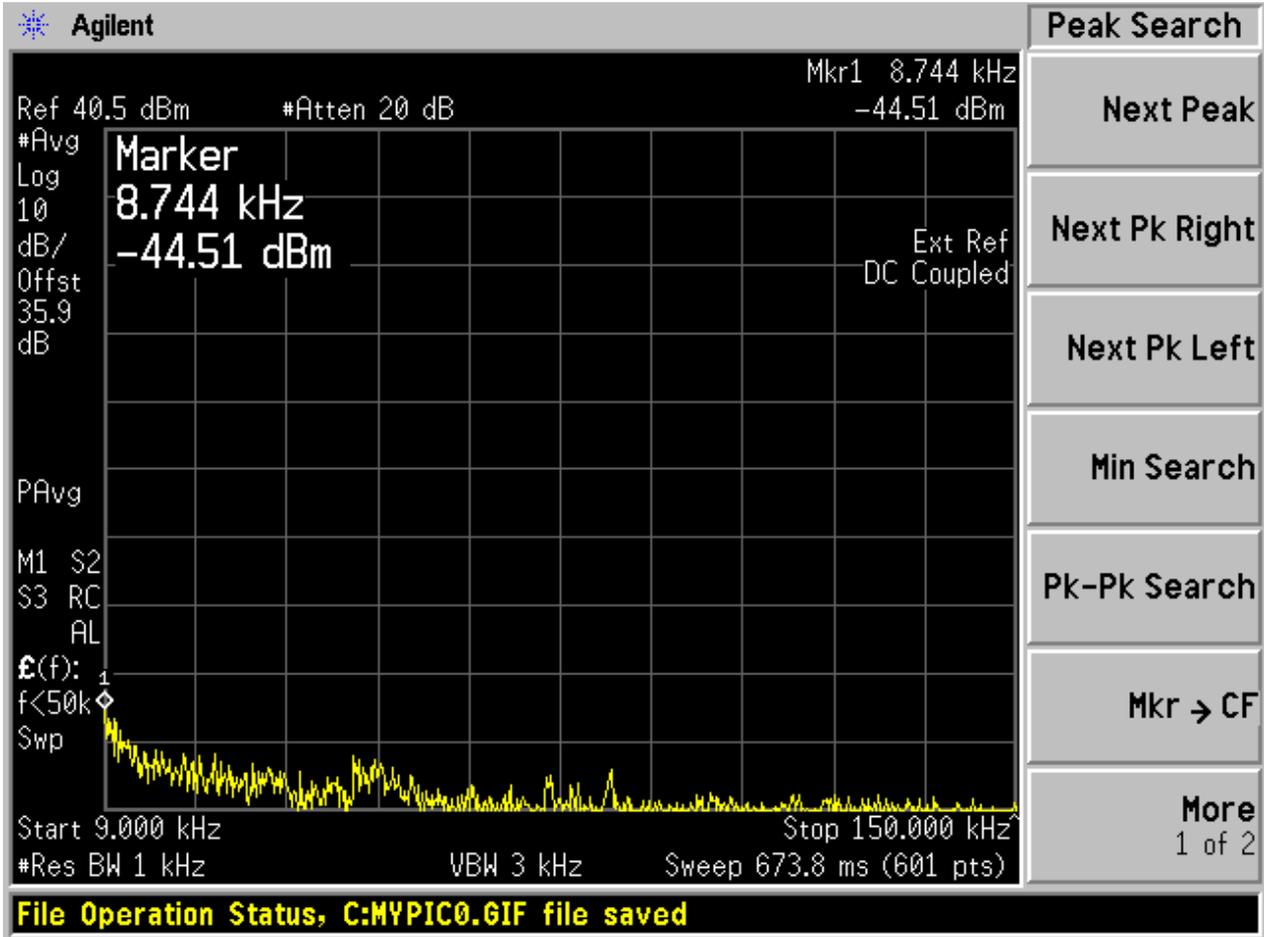


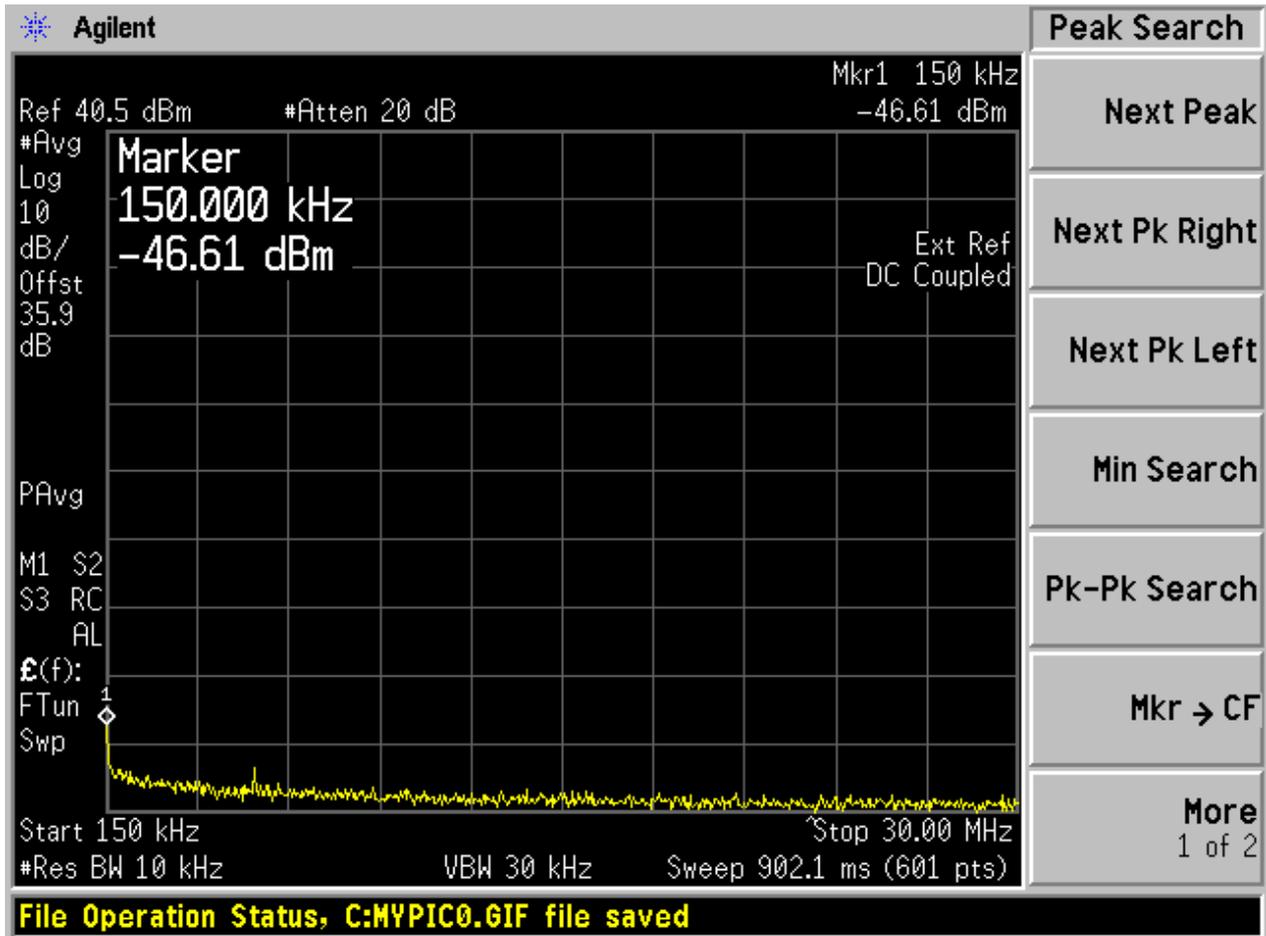


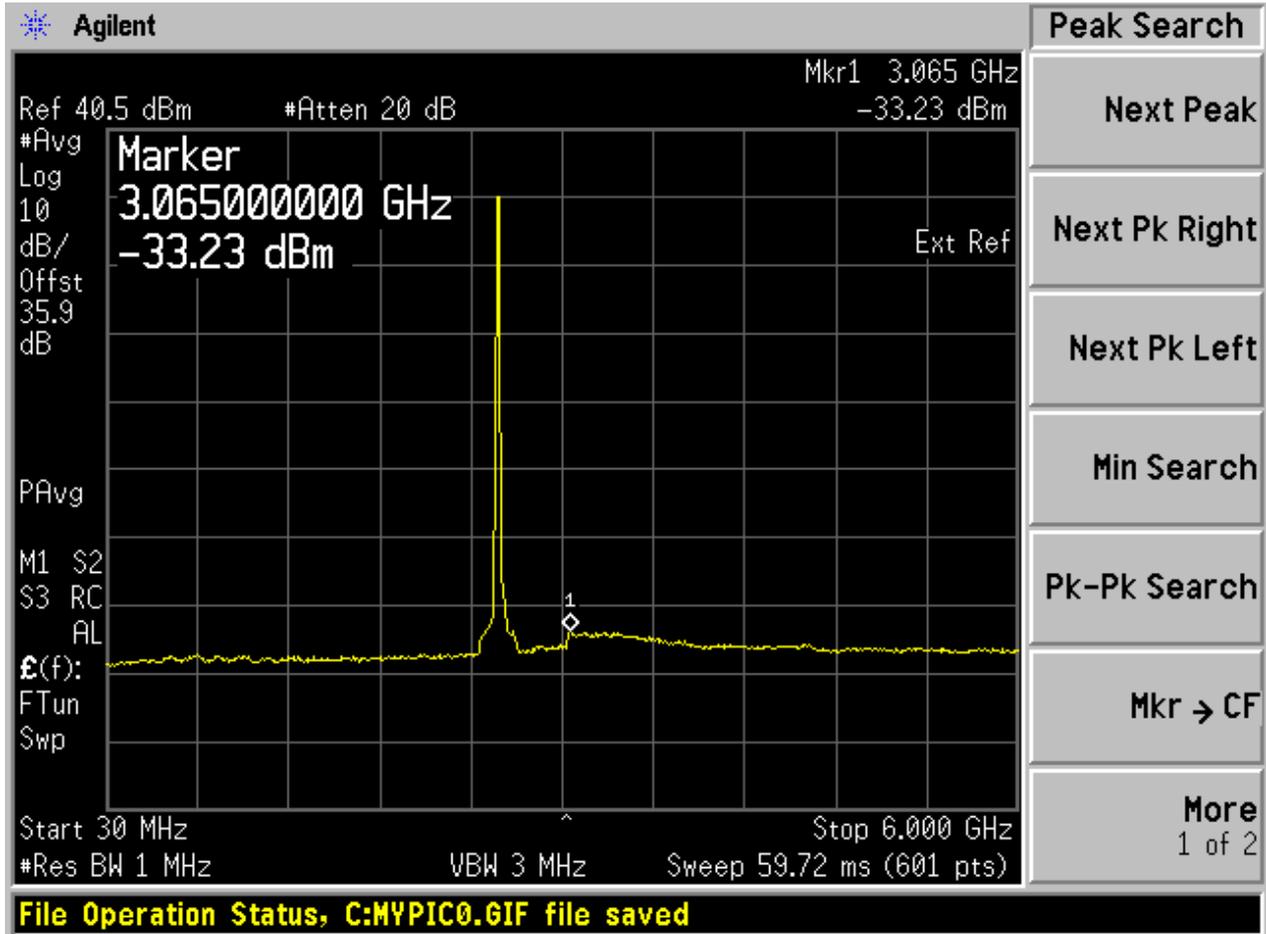


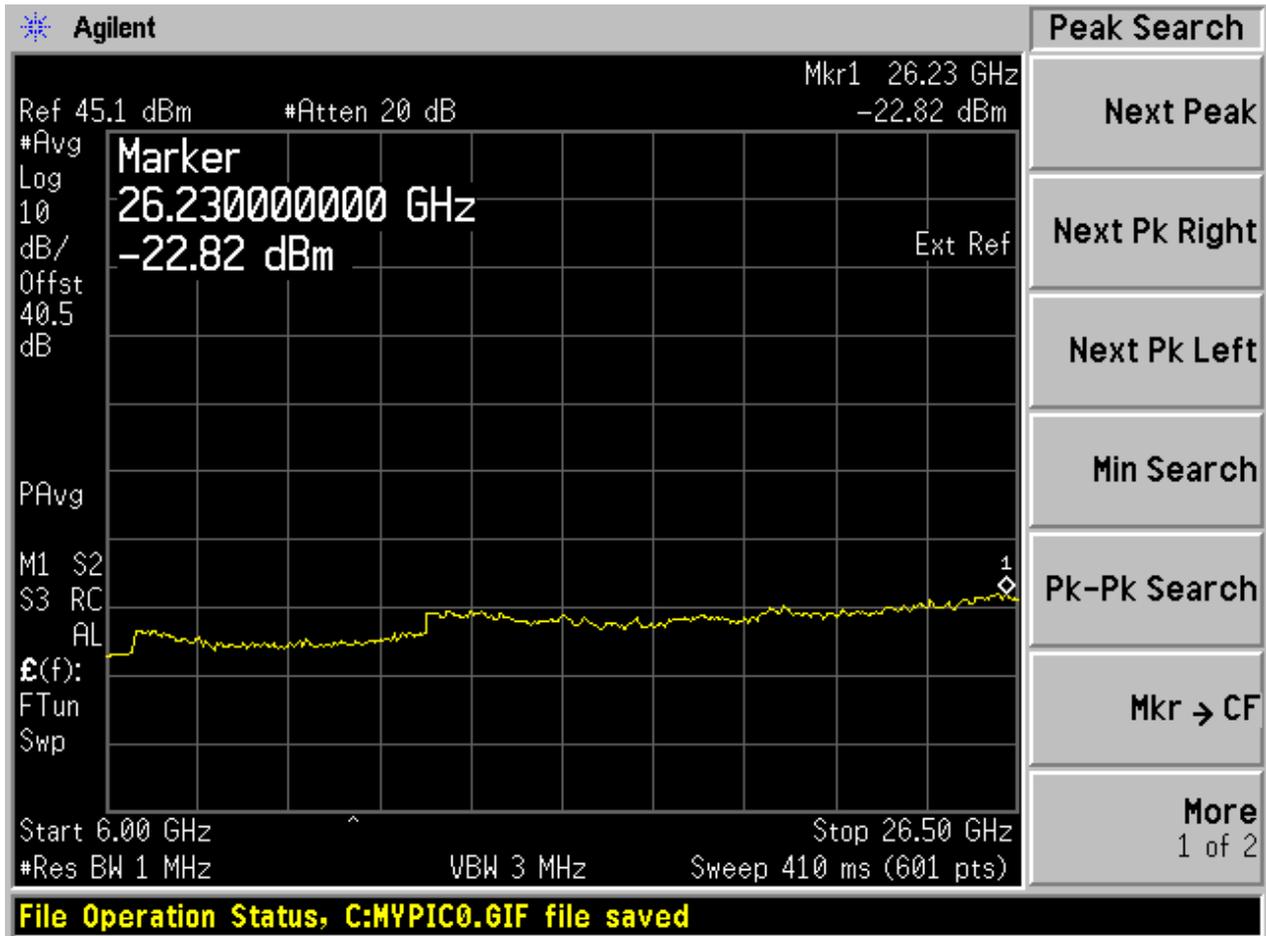


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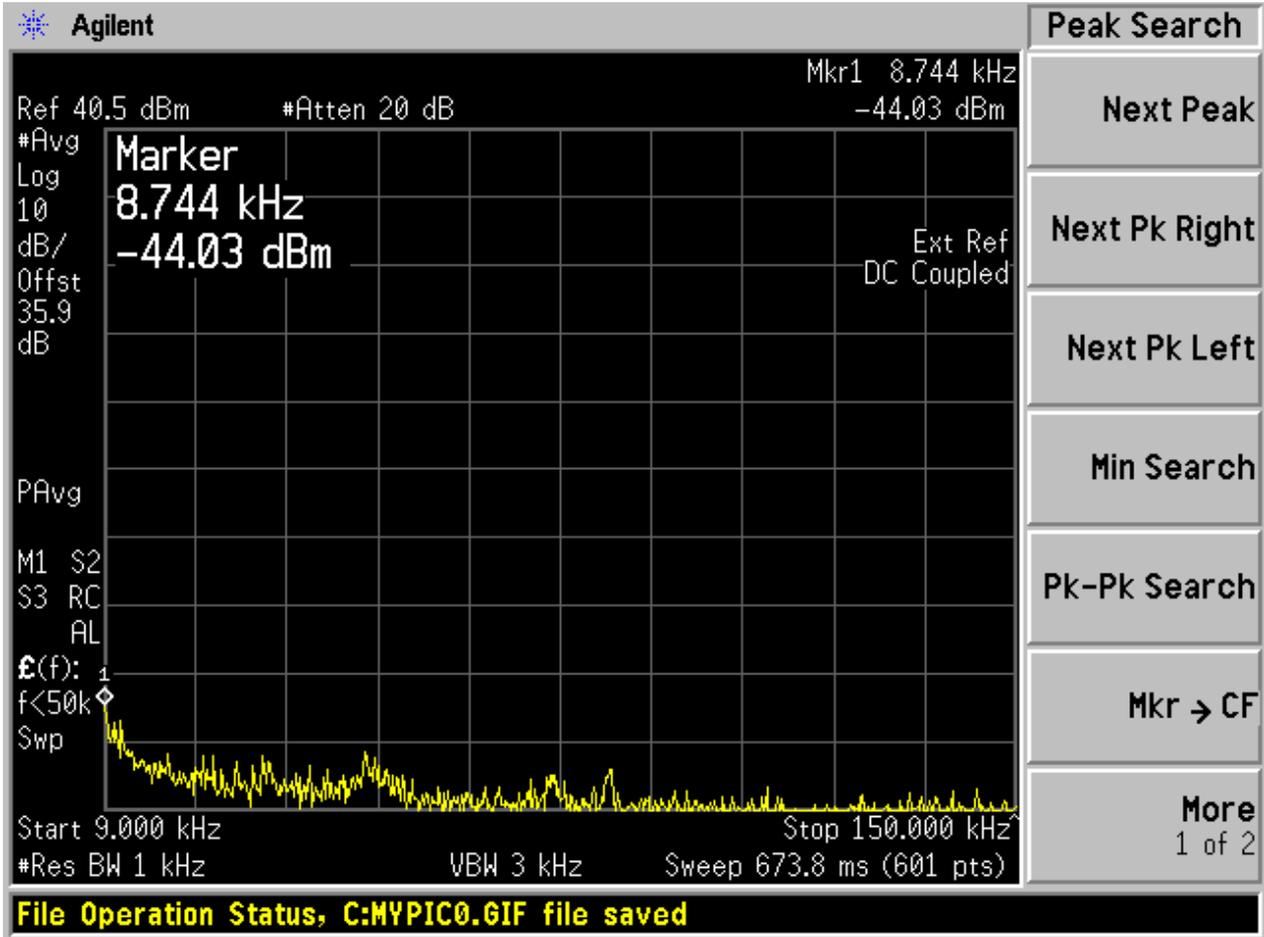


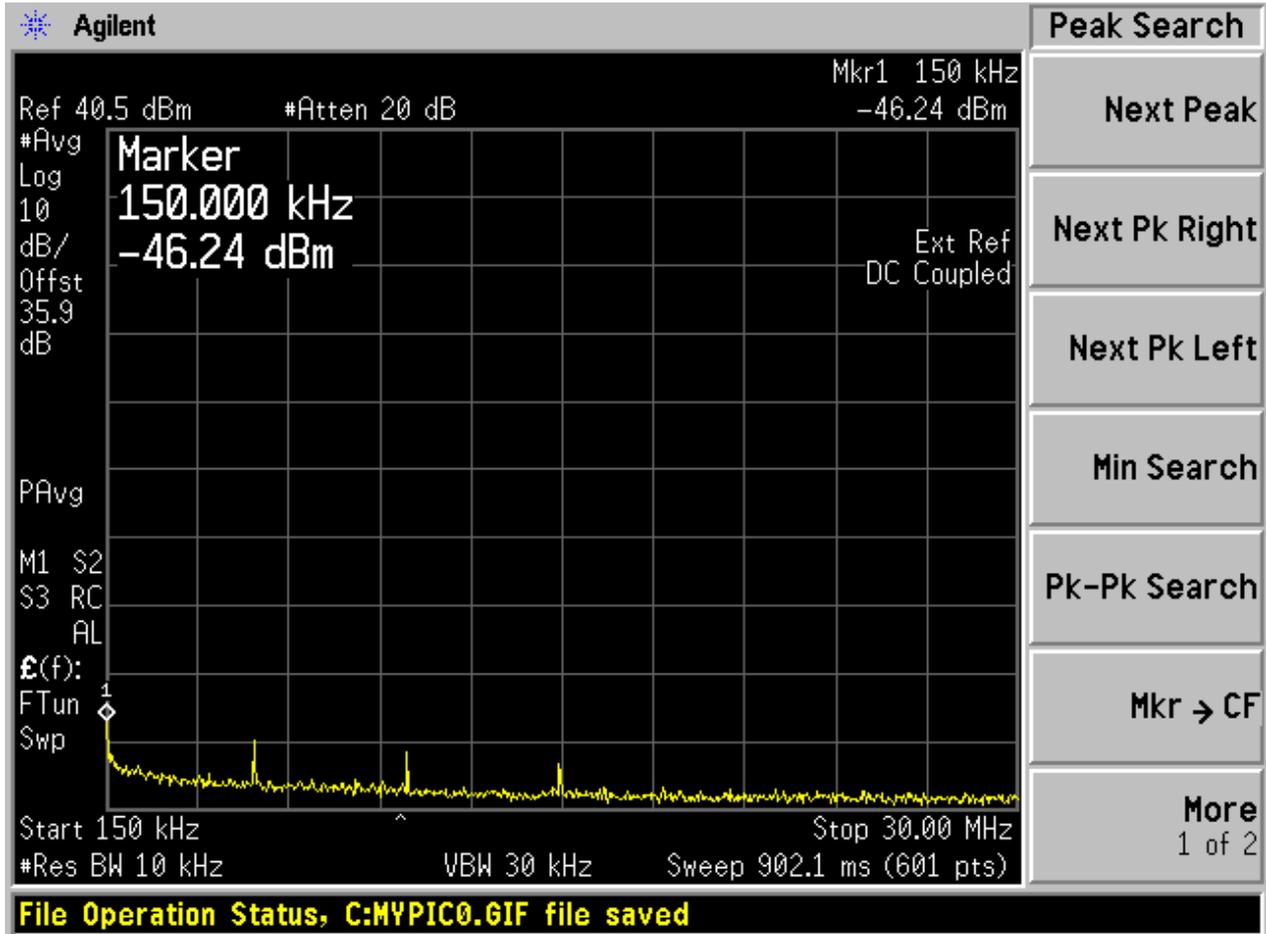


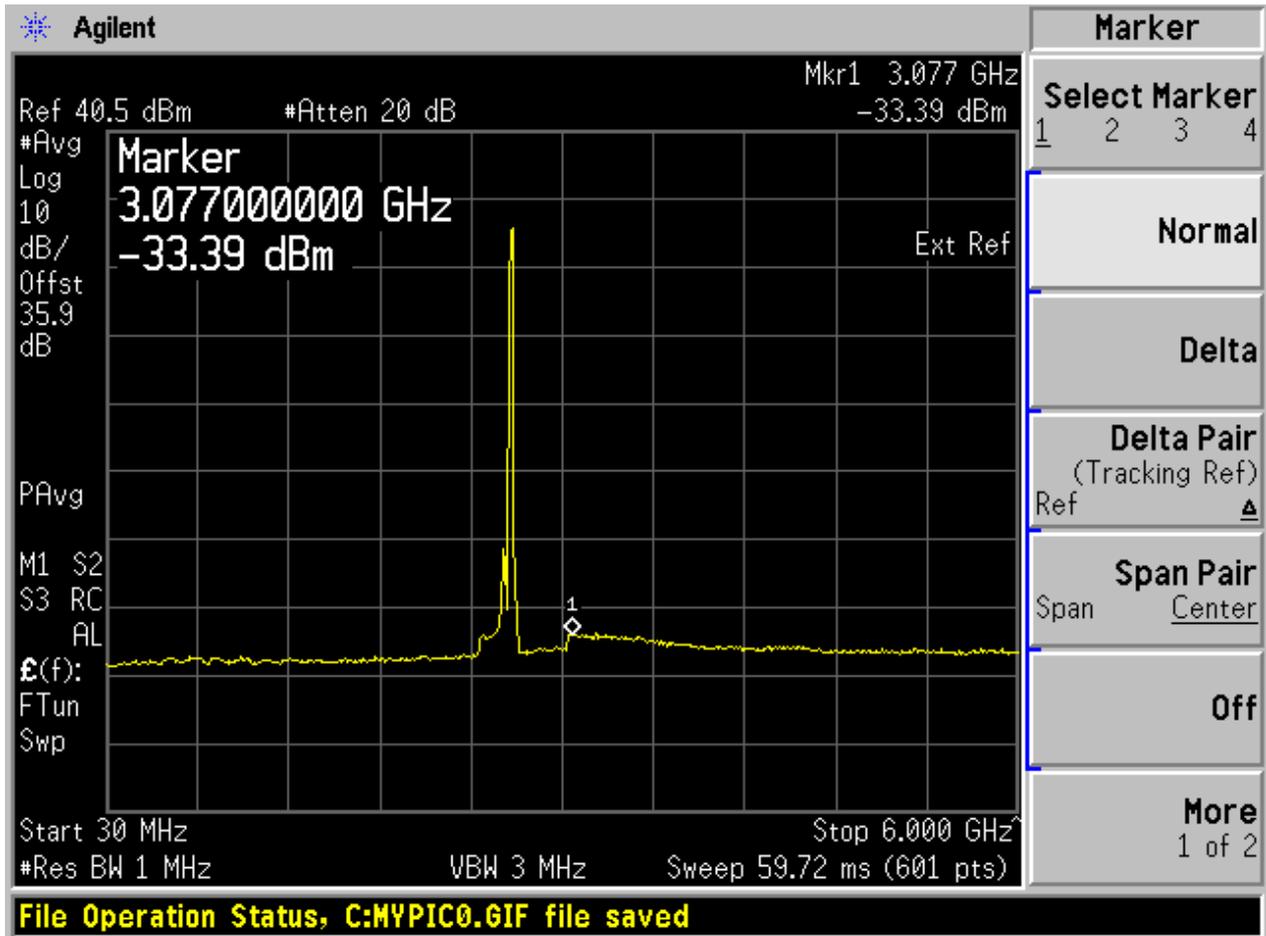


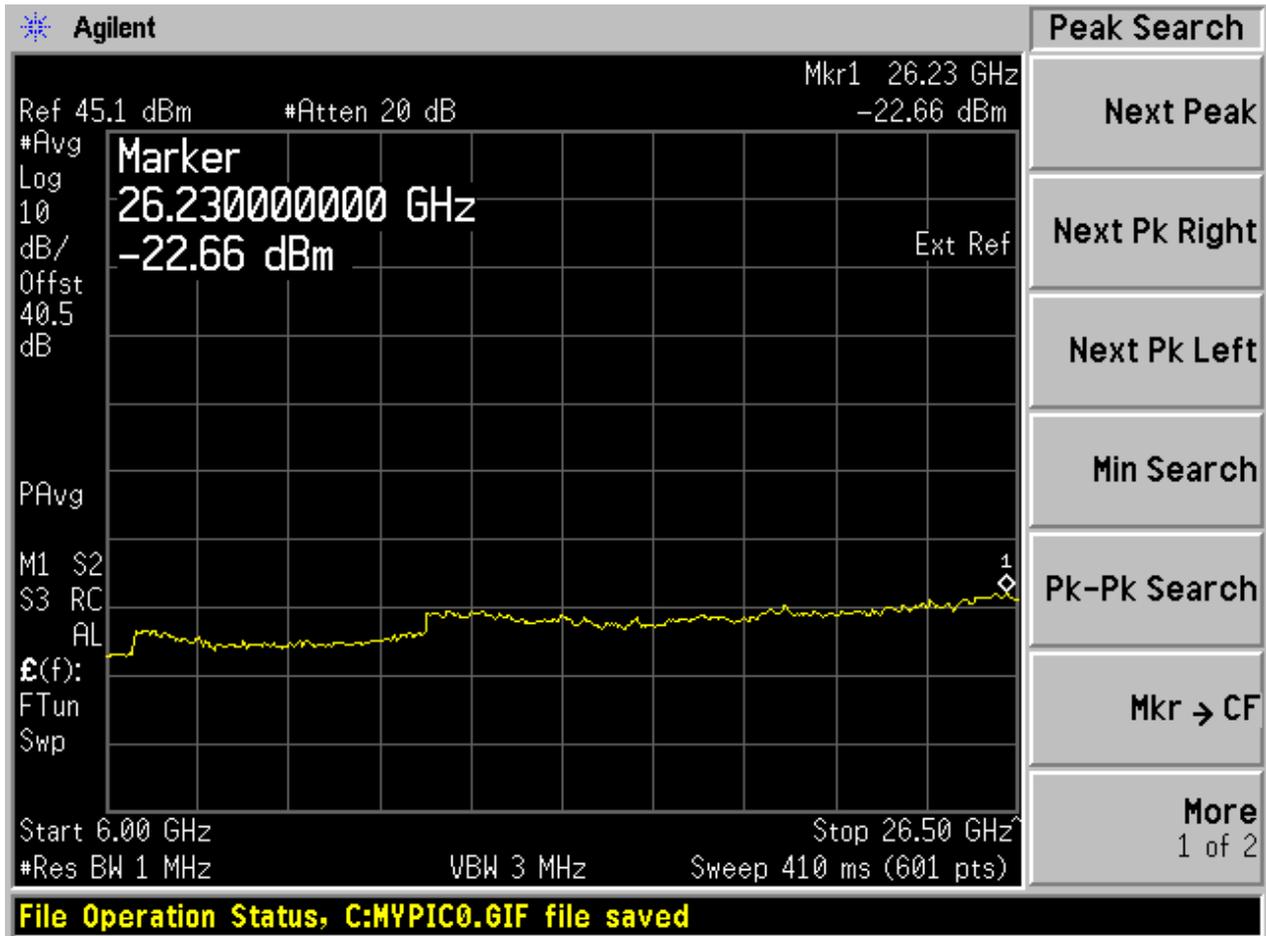


CSE-5M+5M+5M+5M-T:



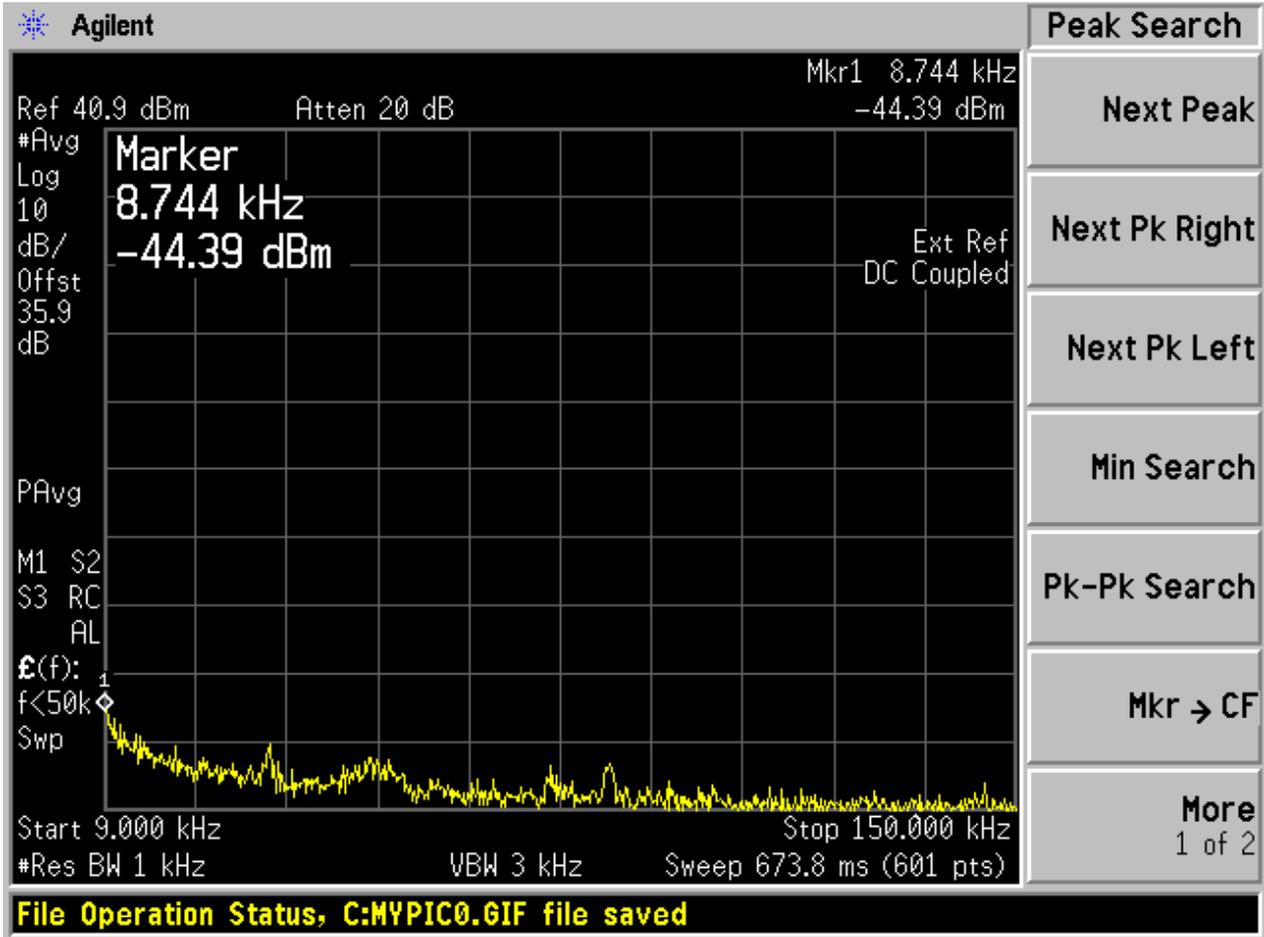


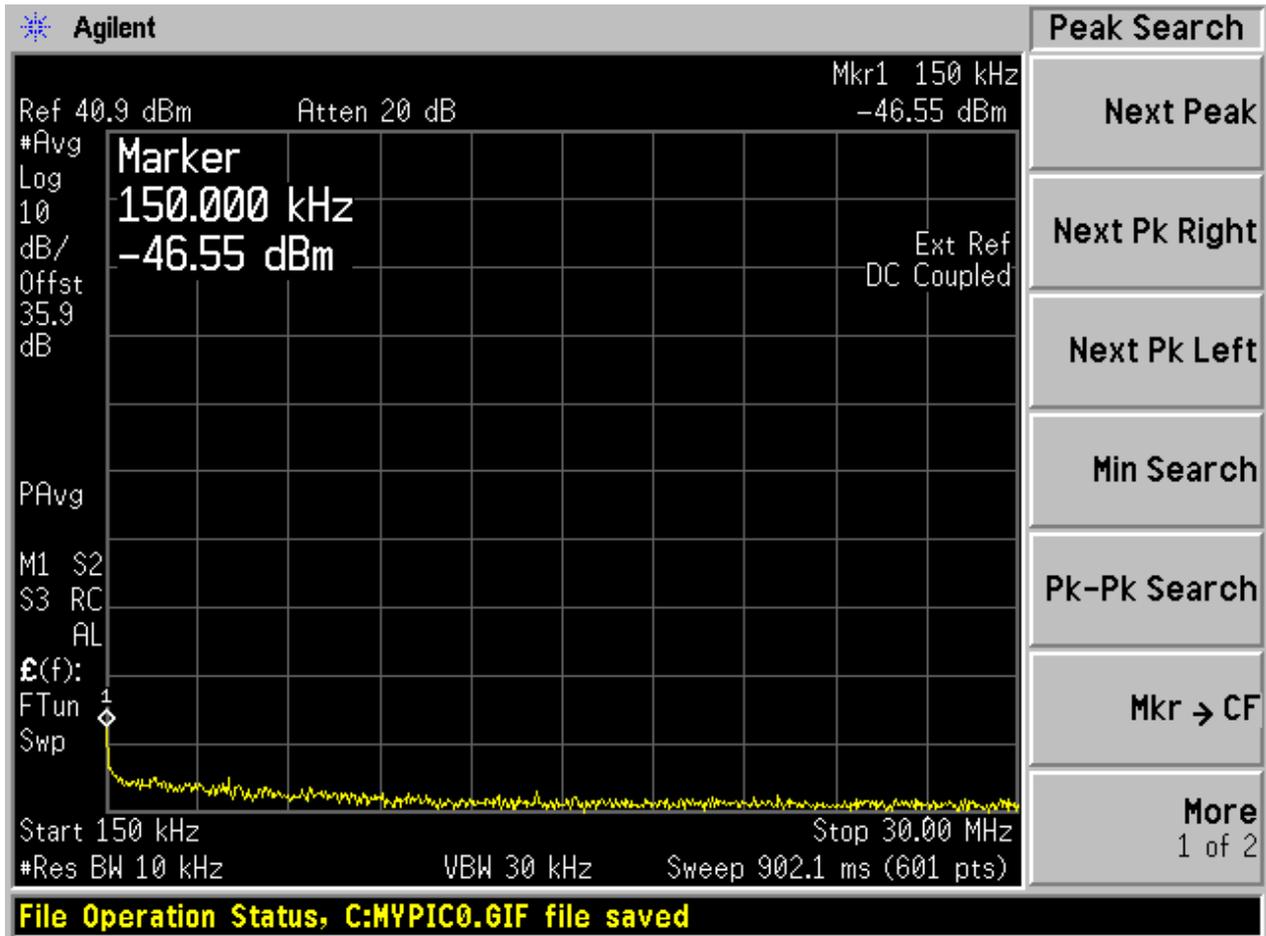


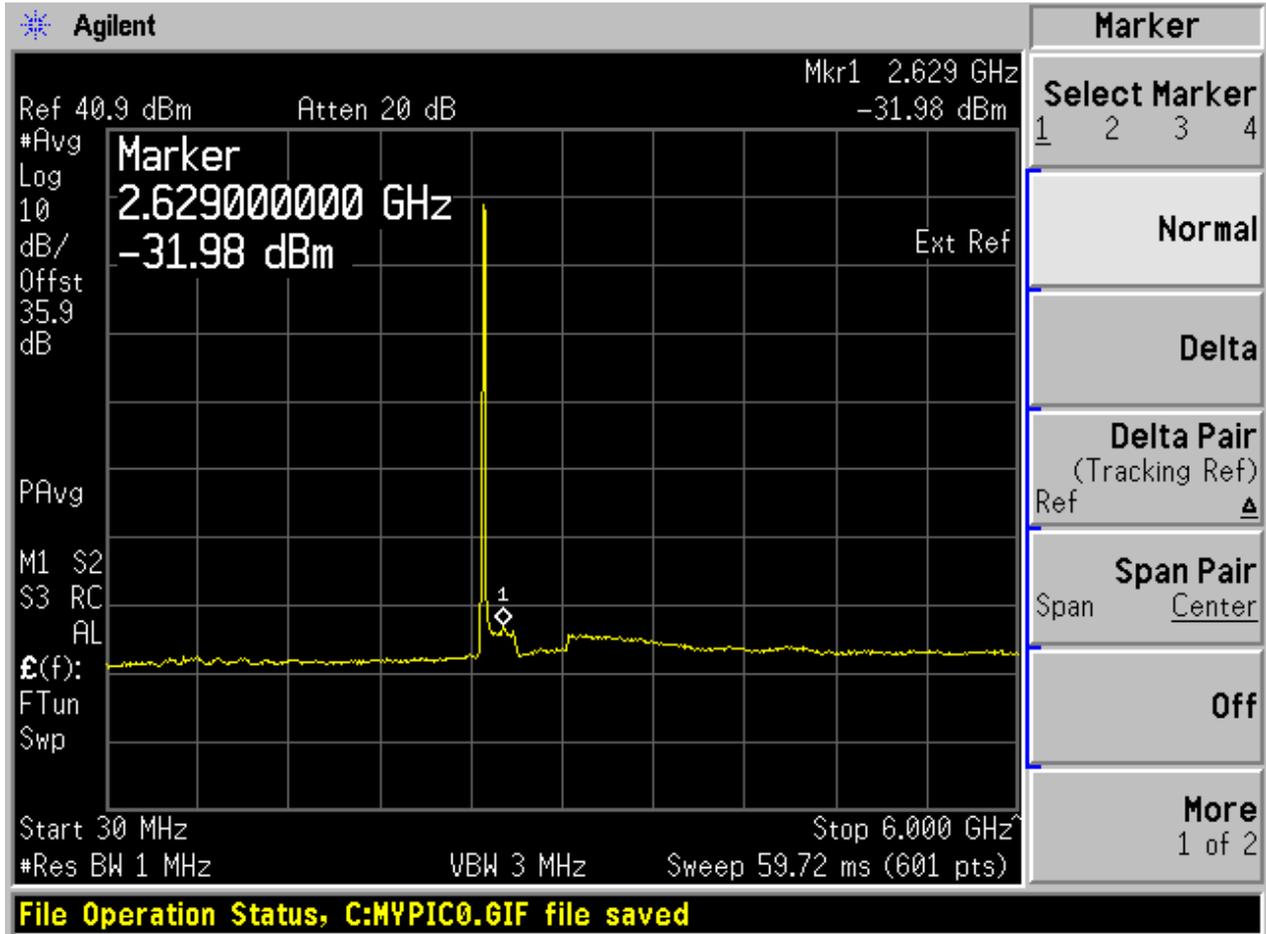


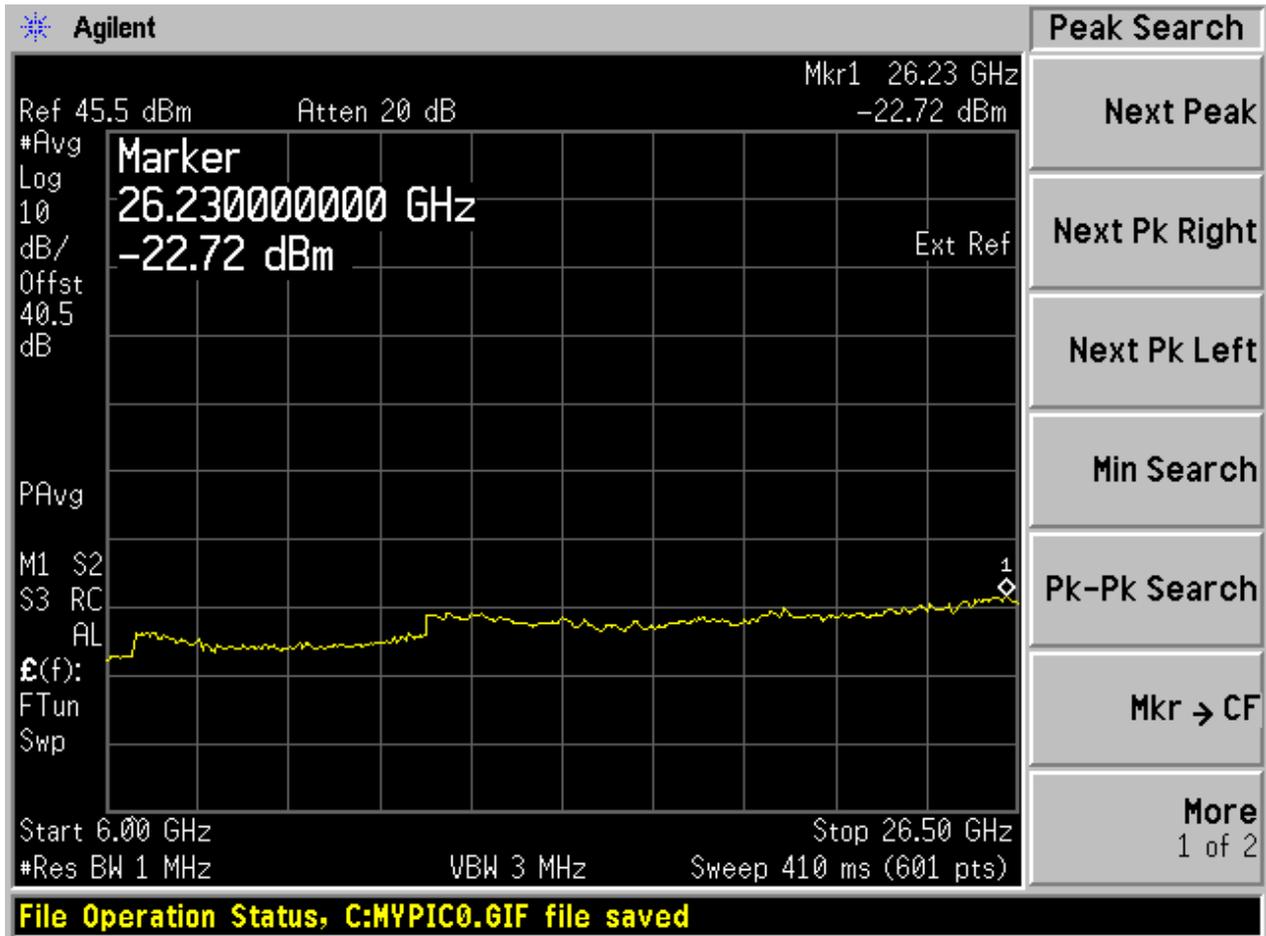


CSE-10M-B:



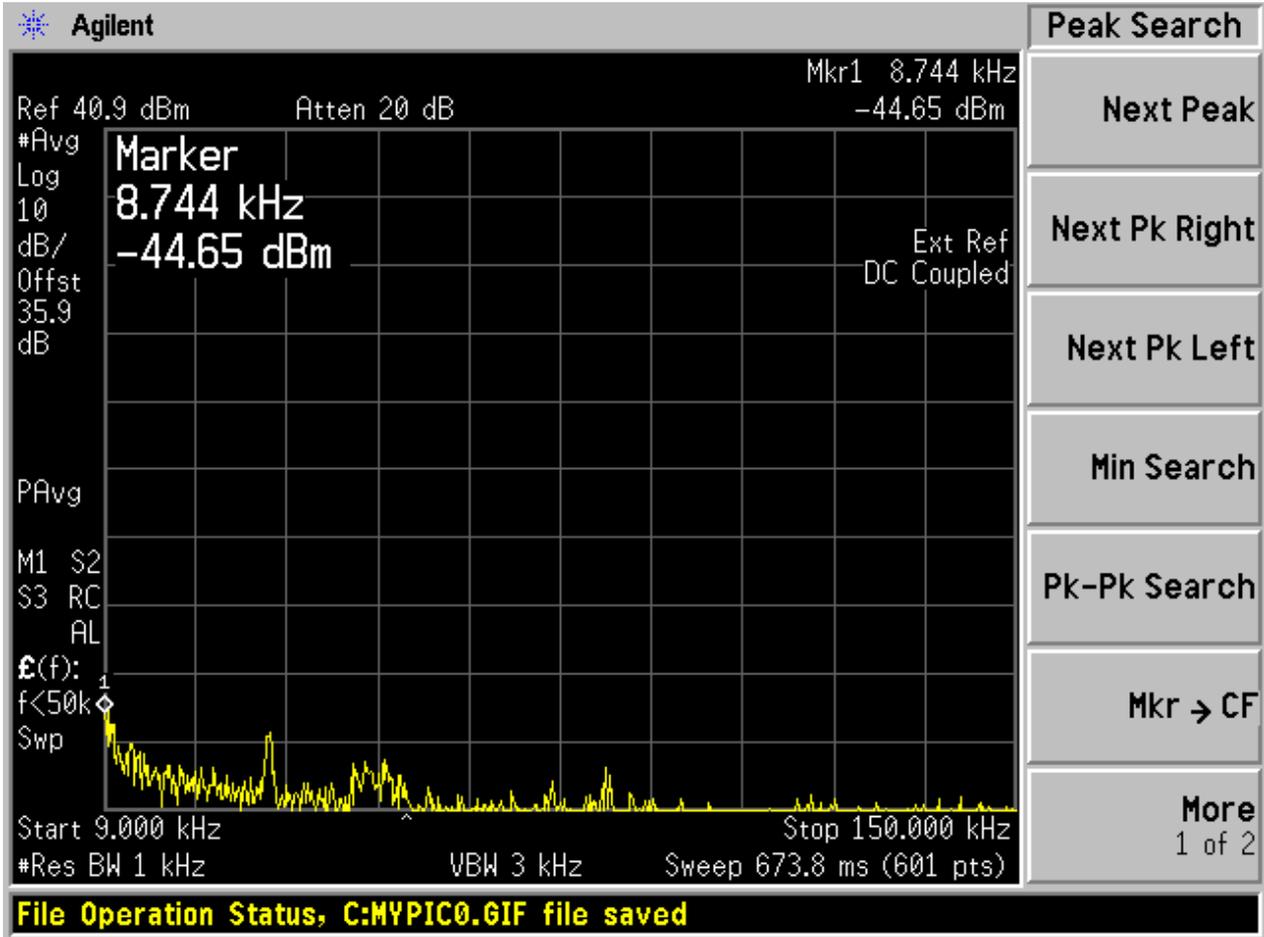


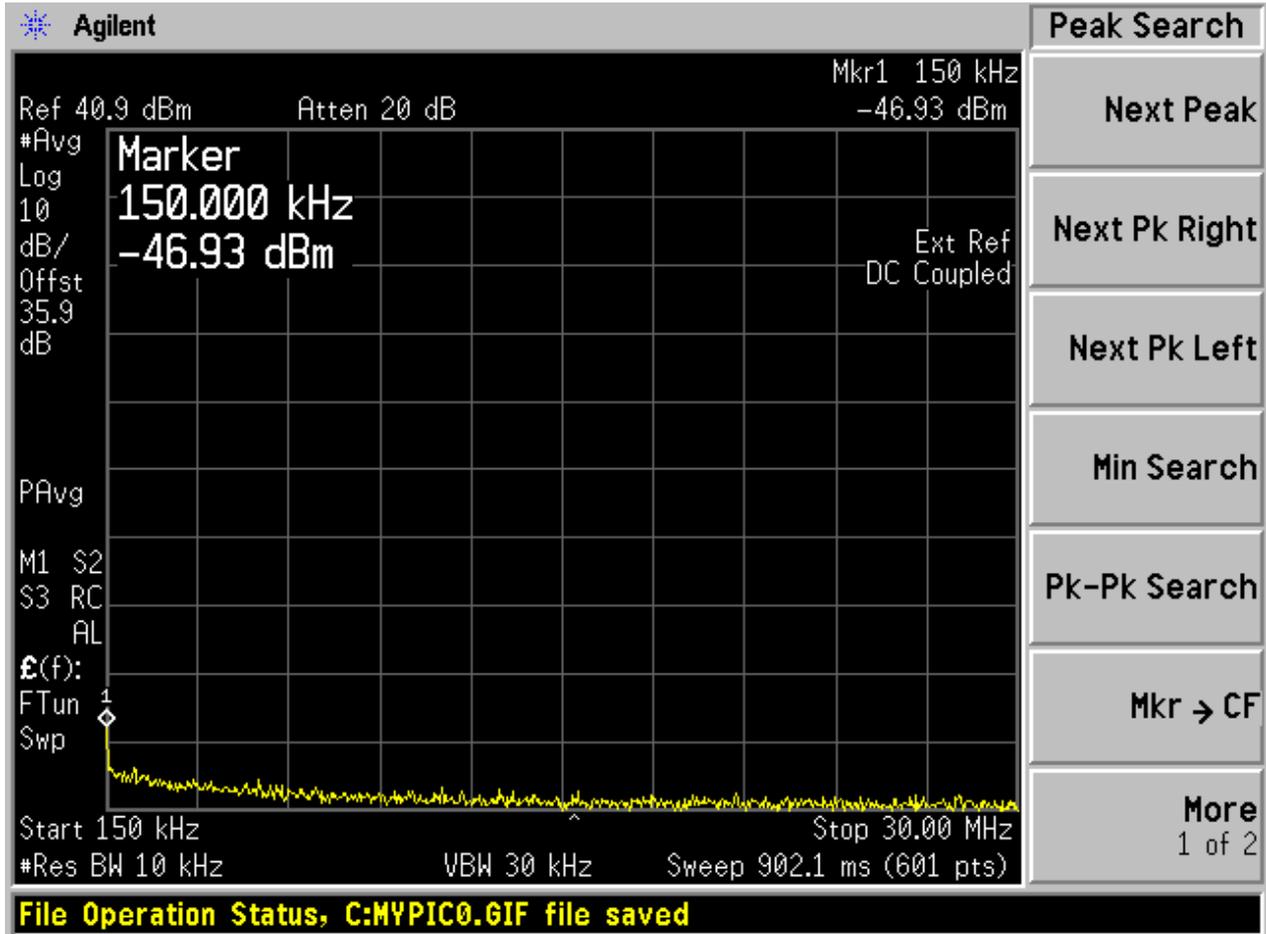


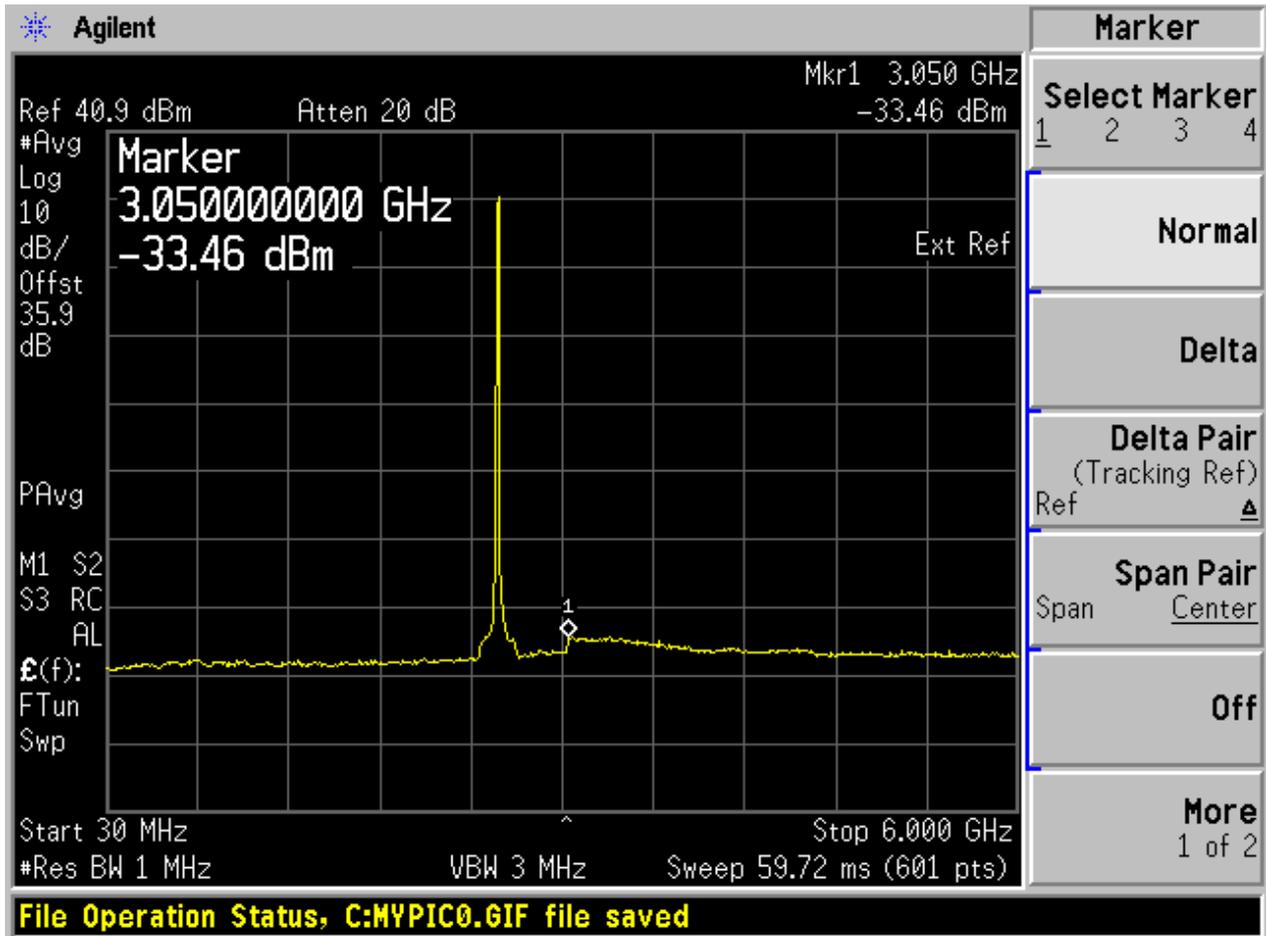


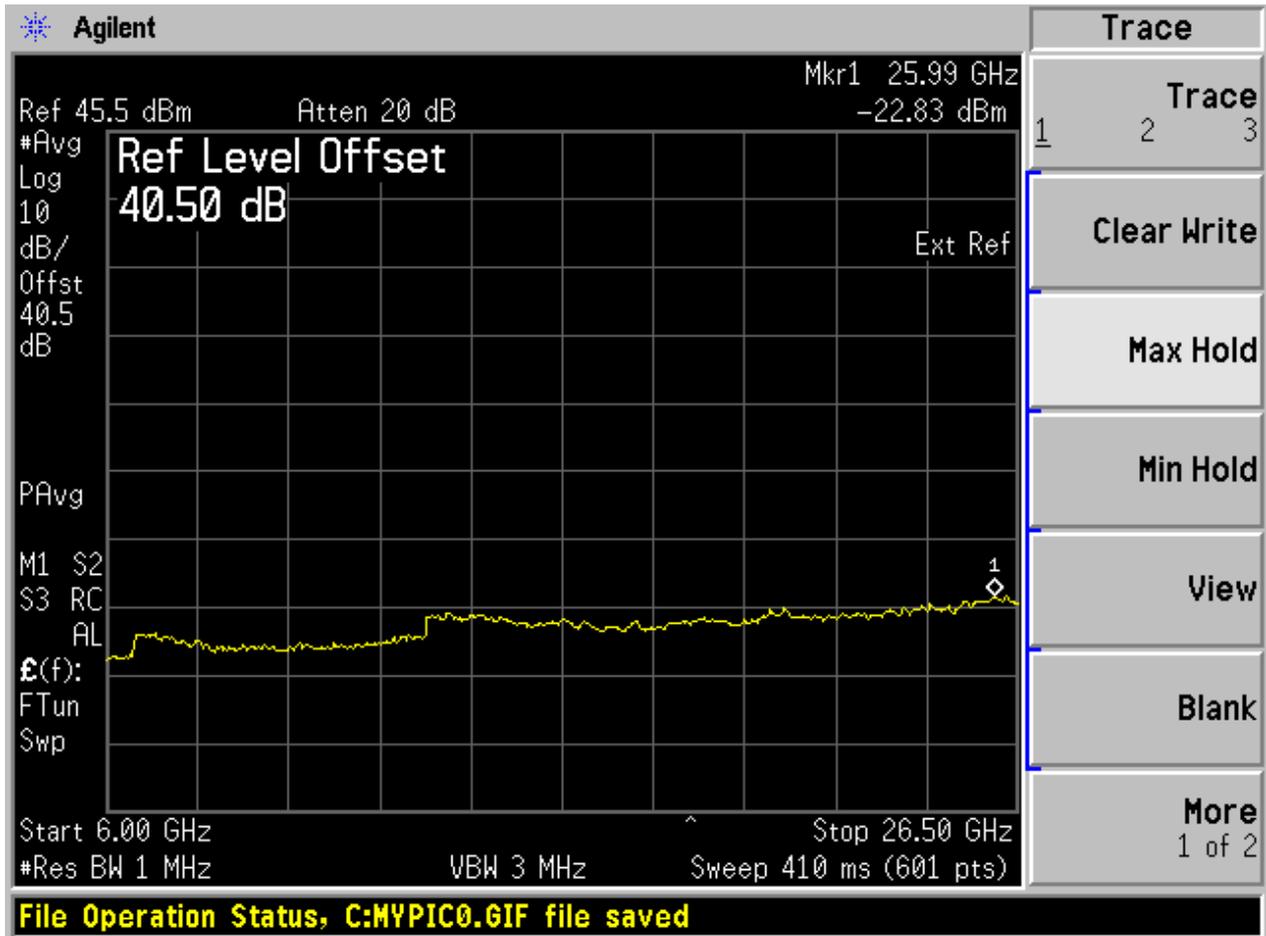


CSE-10M-M:

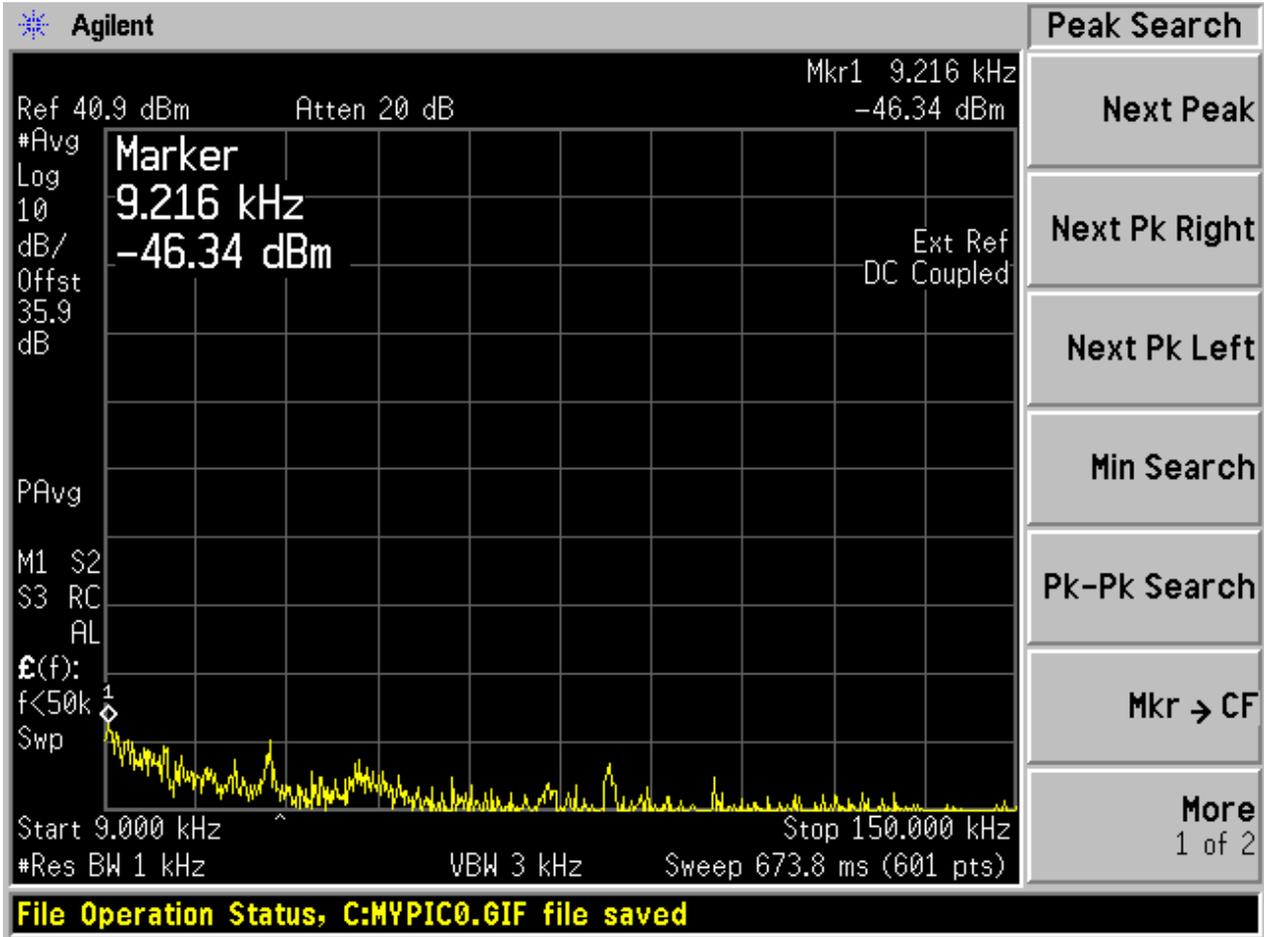


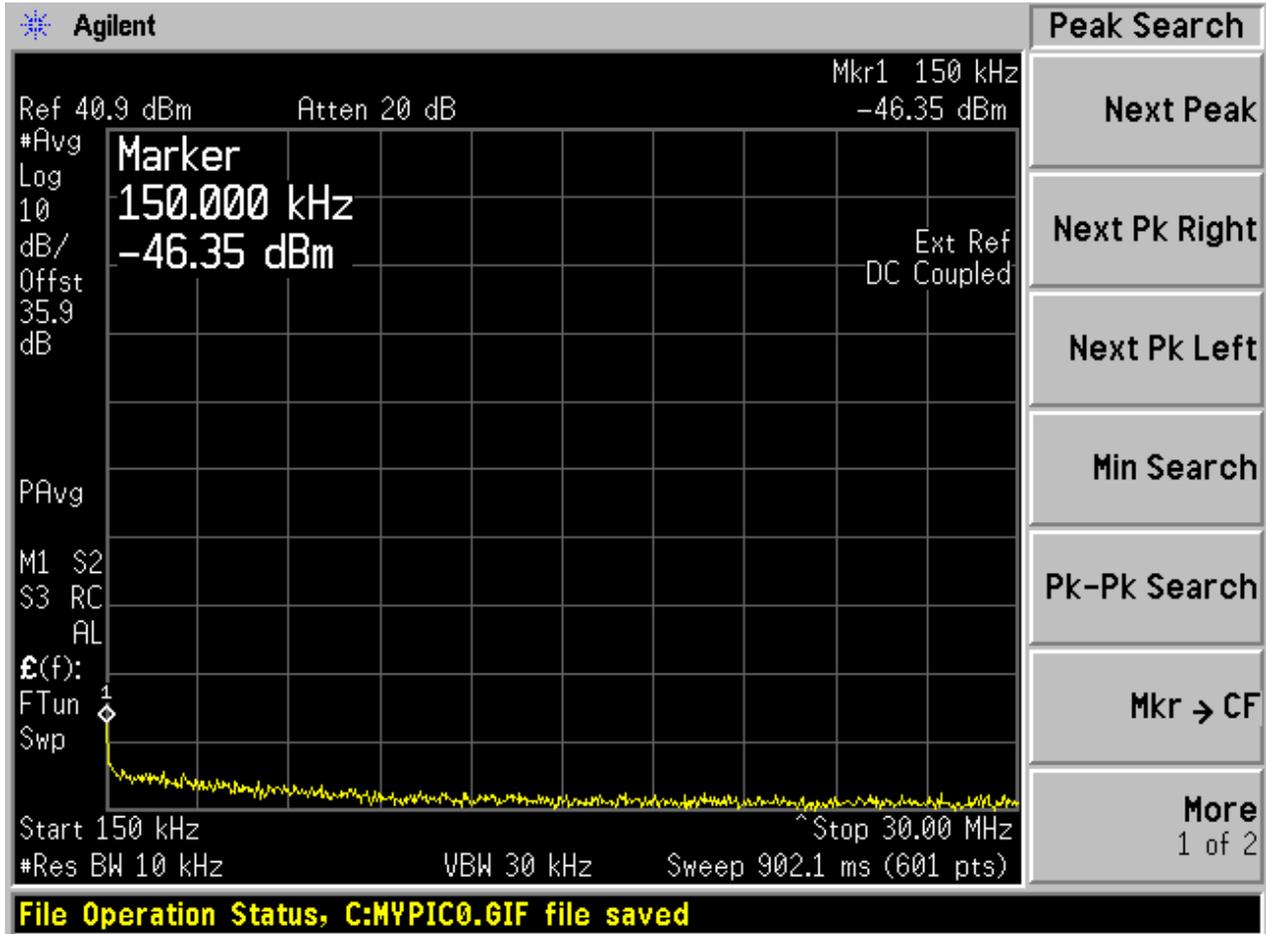


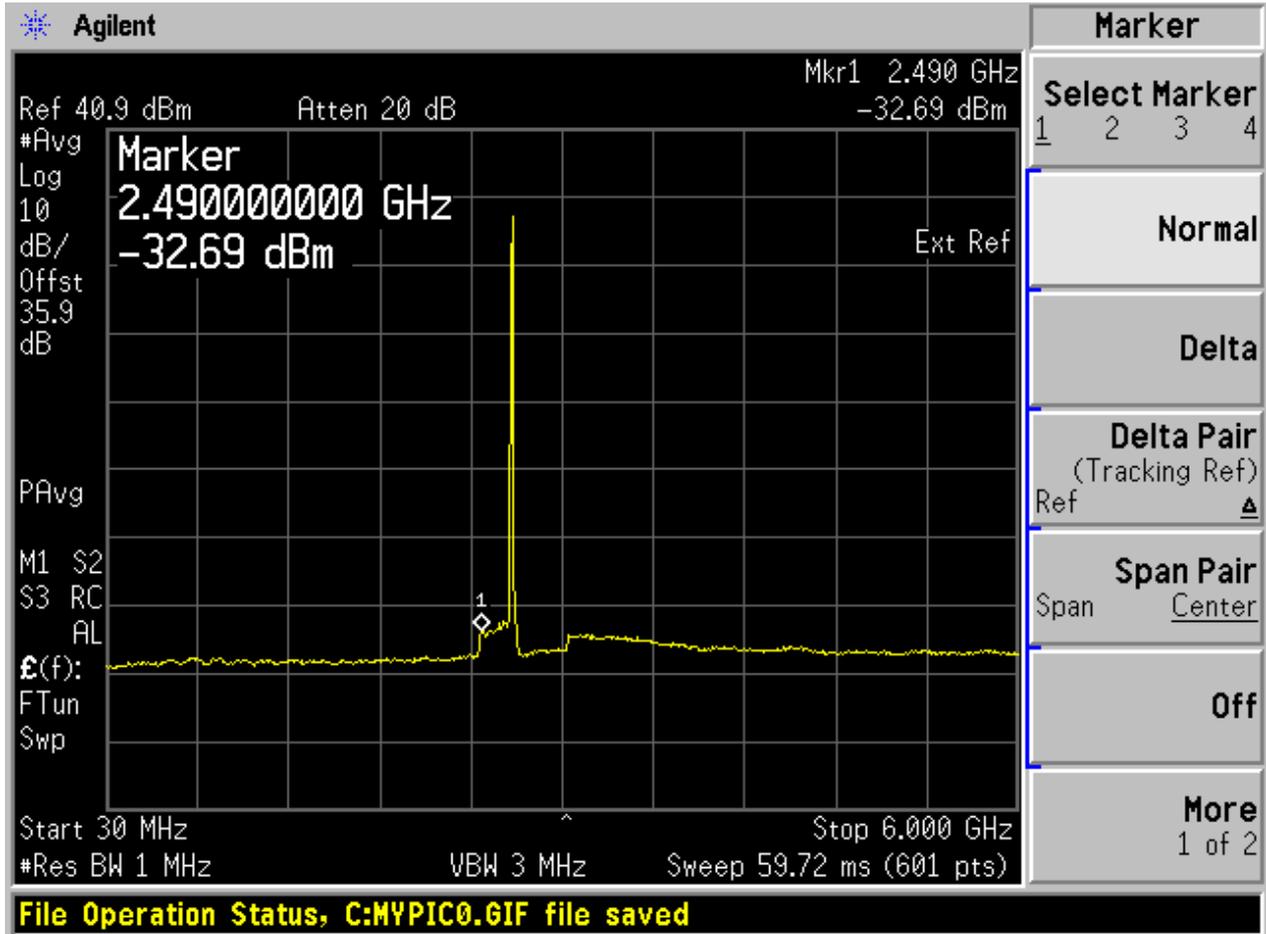


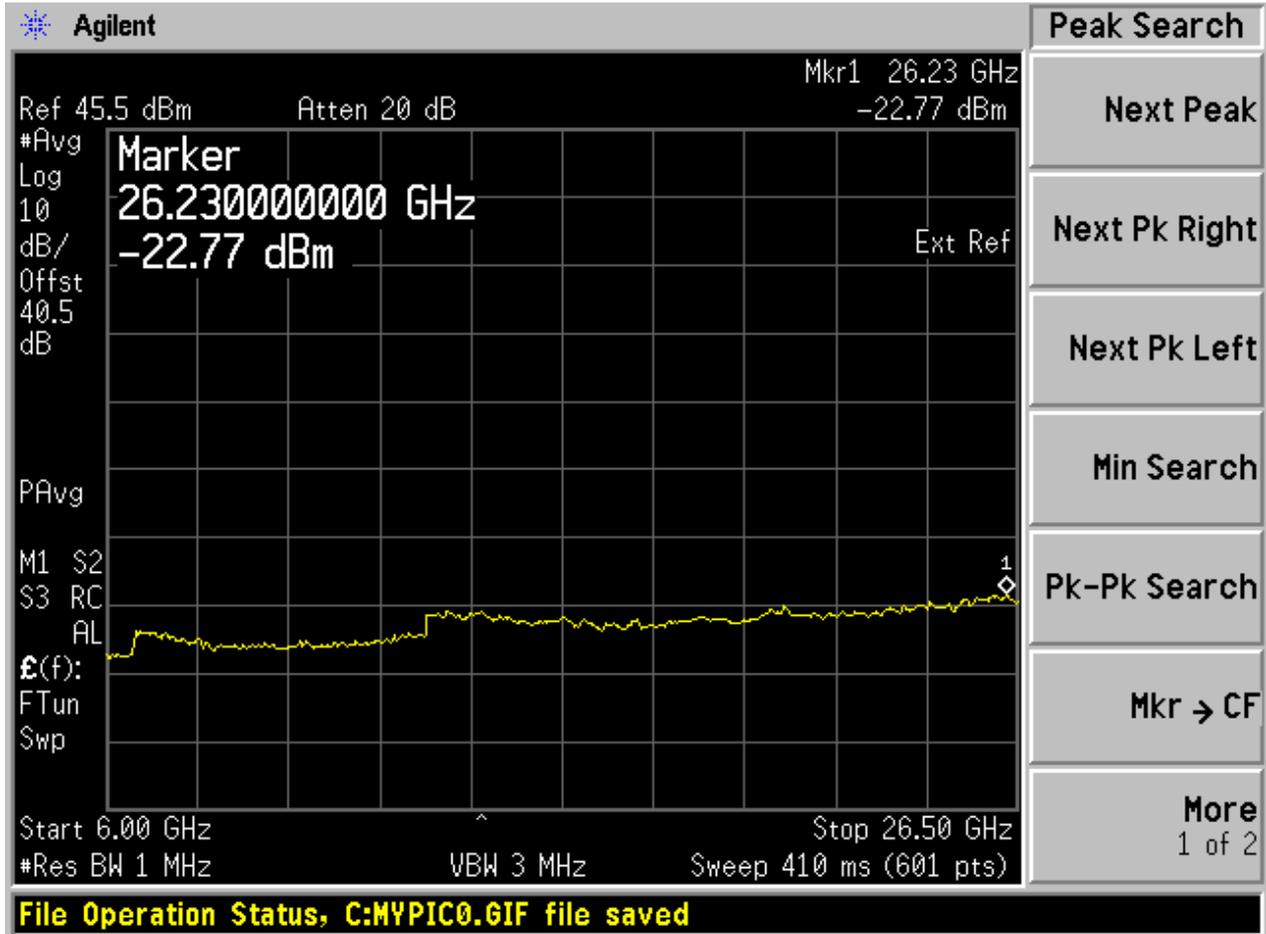


CSE-10M-T:



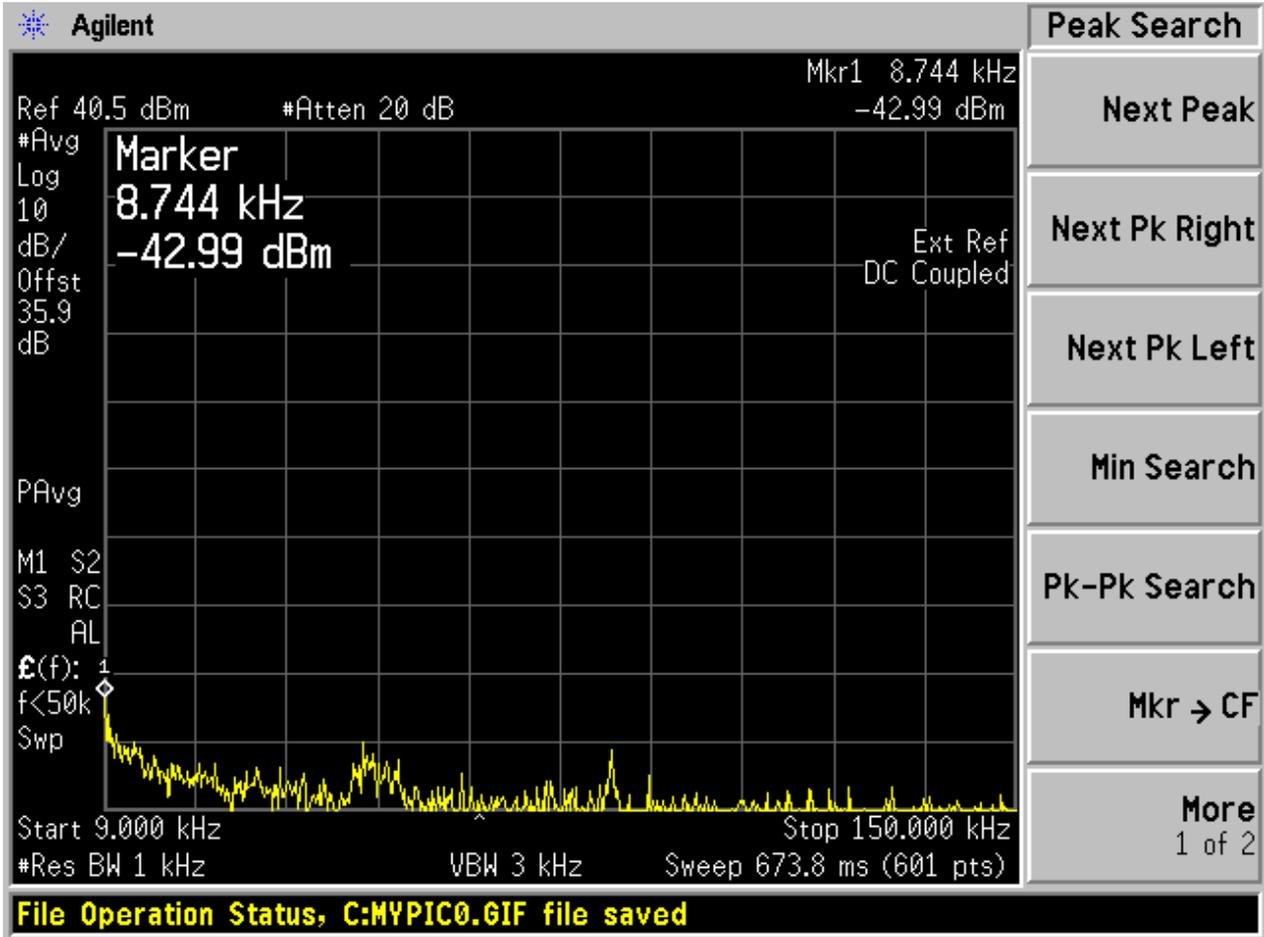


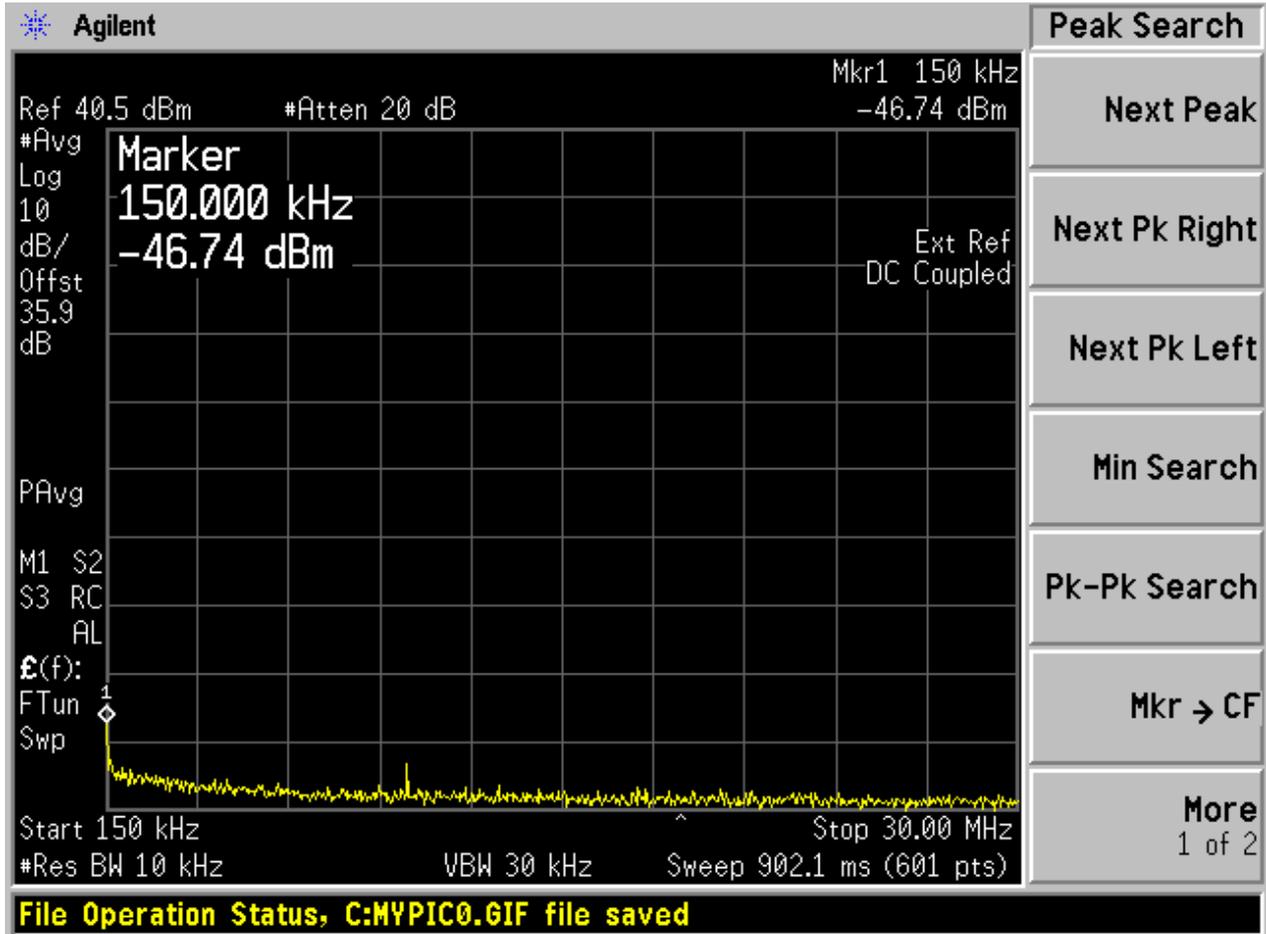


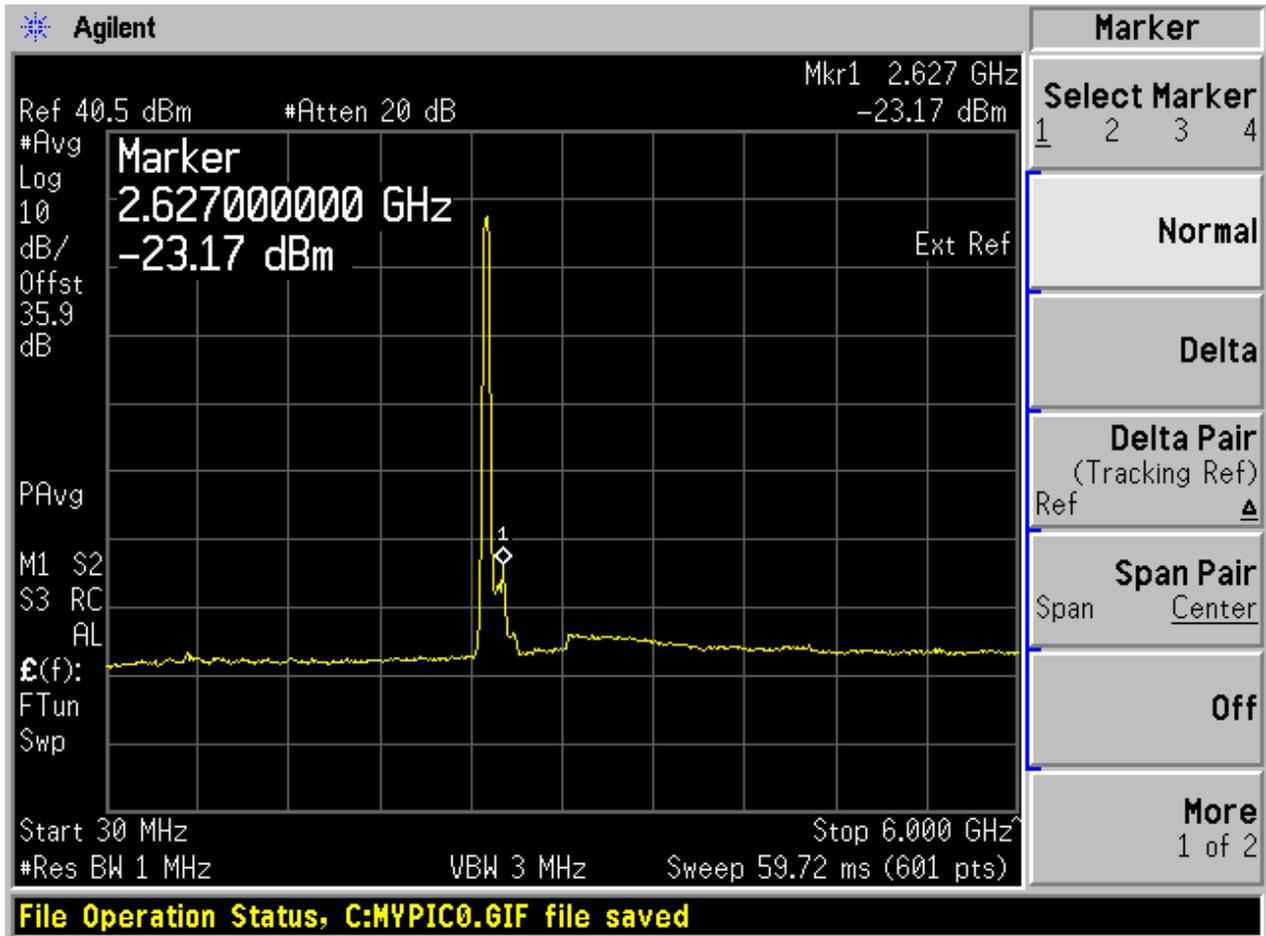


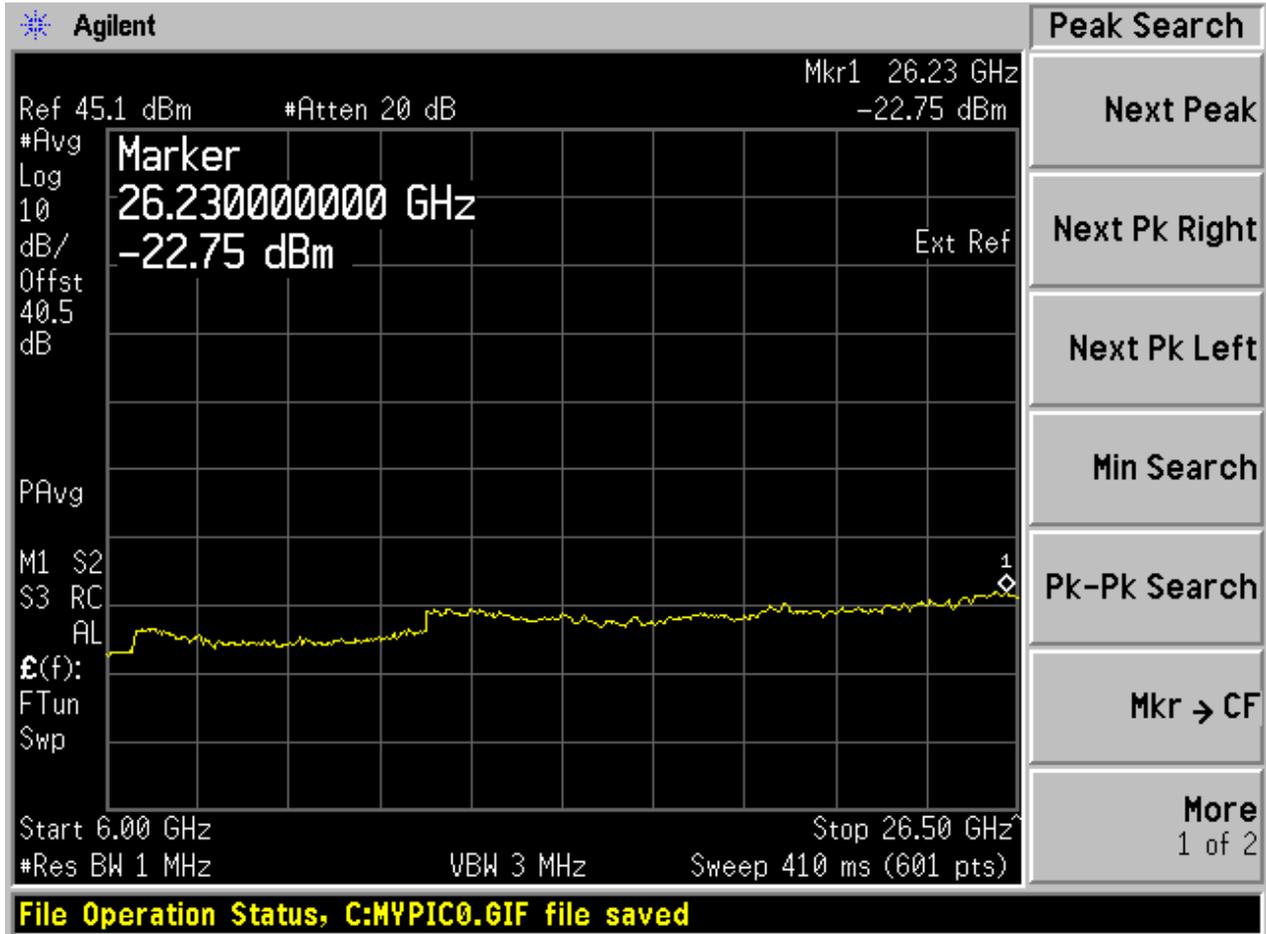


CSE-10M+10M+10M+10M-B:



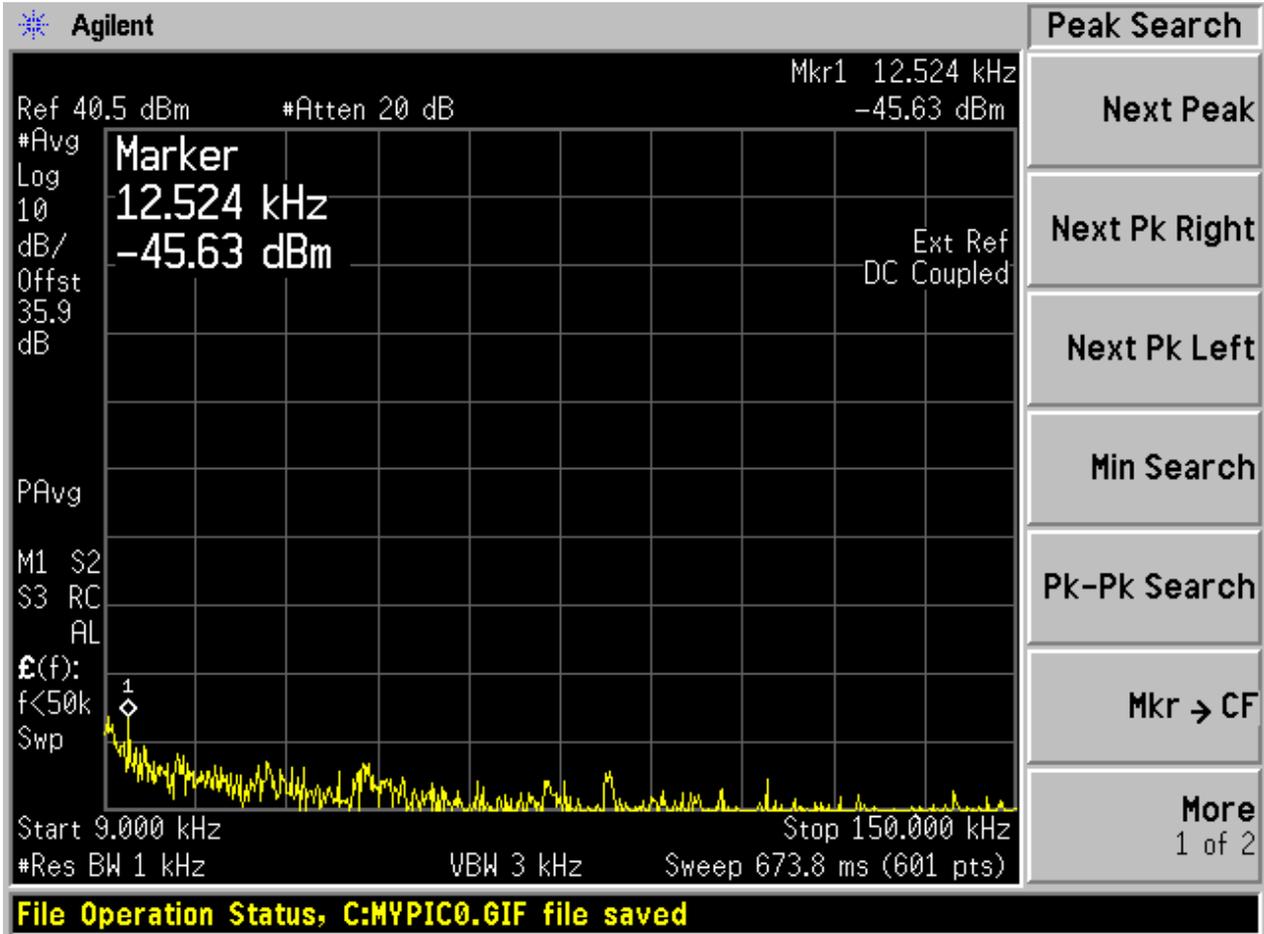


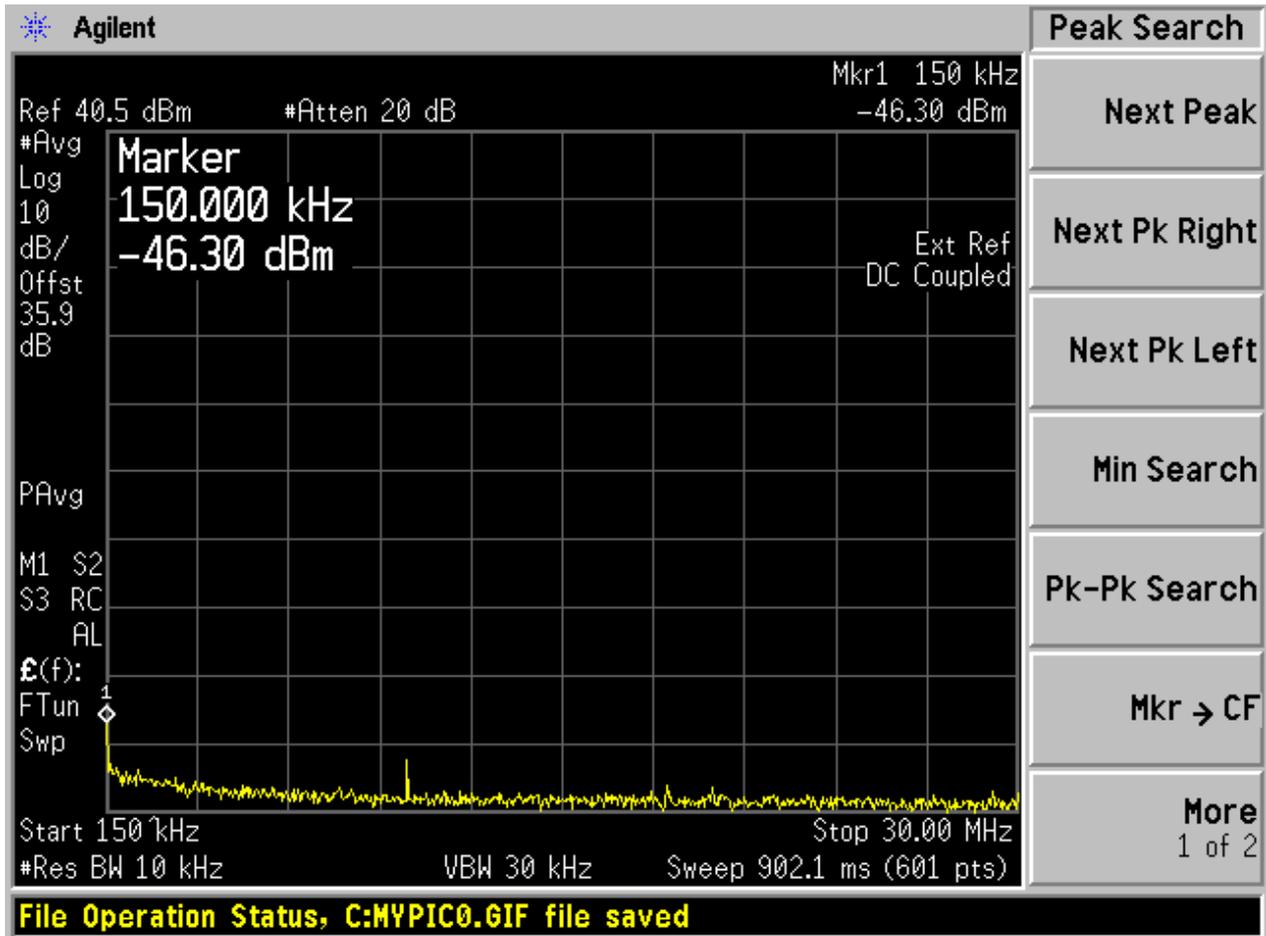


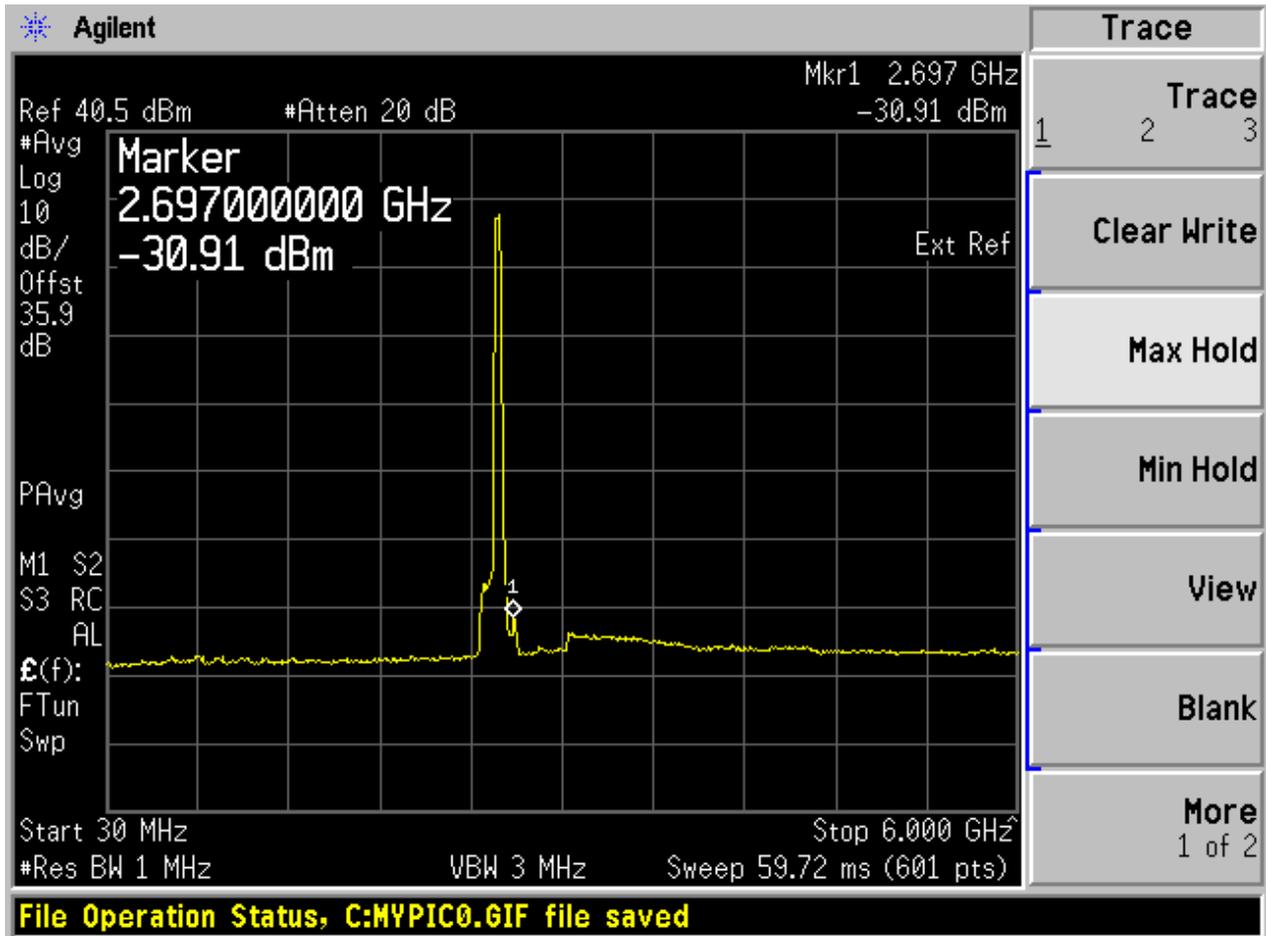


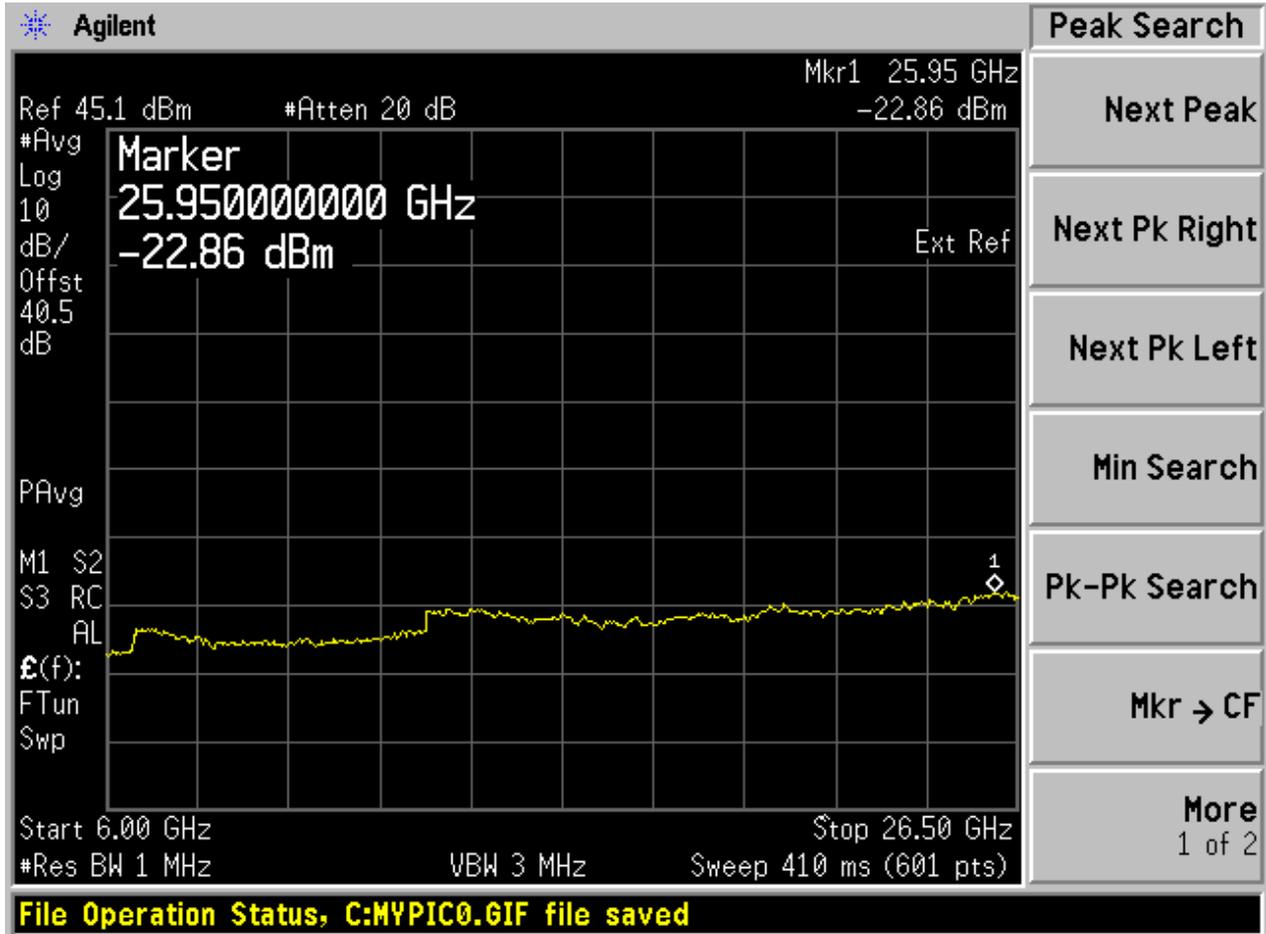


CSE-10M+10M+10M+10M-M:



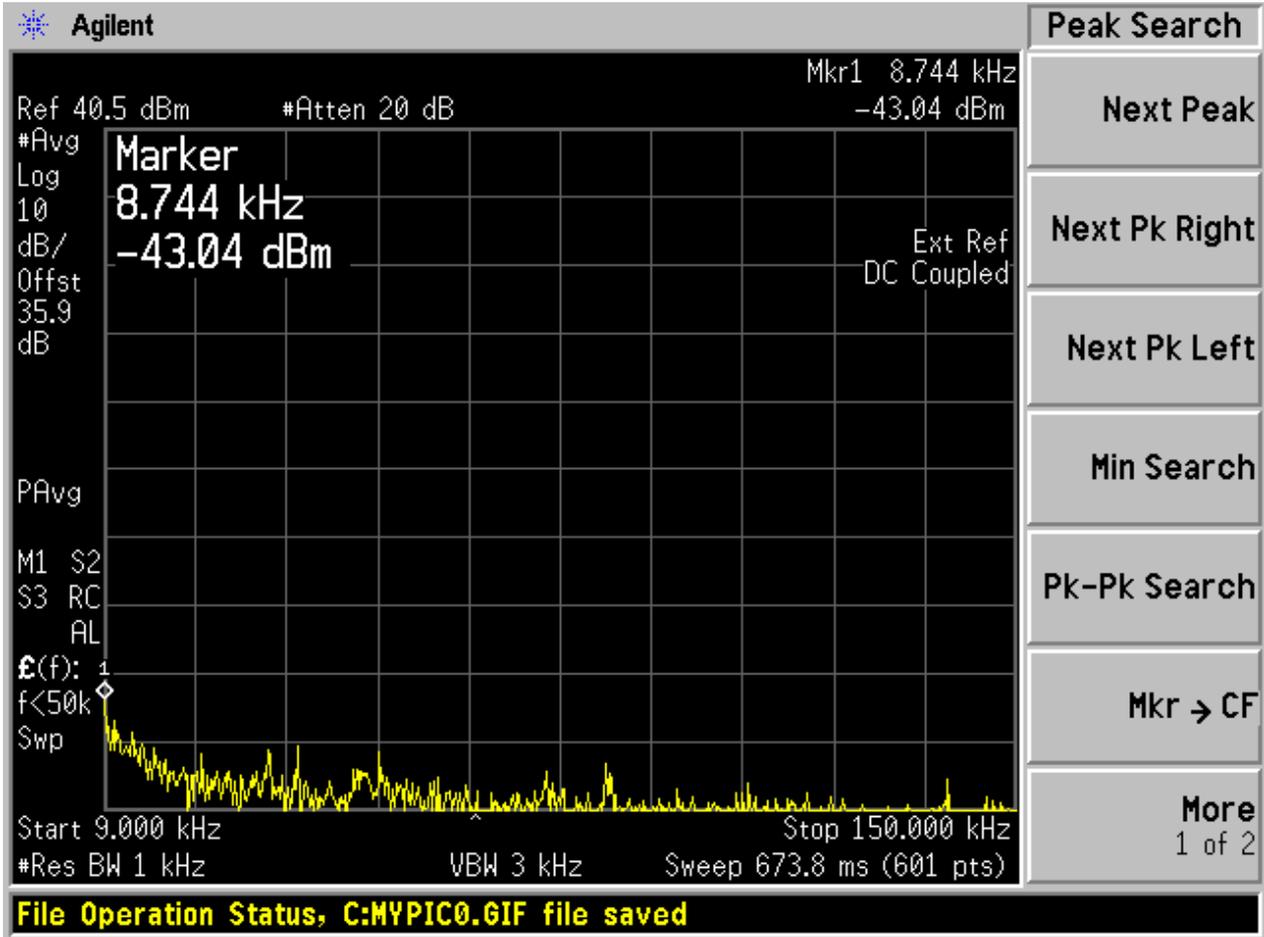


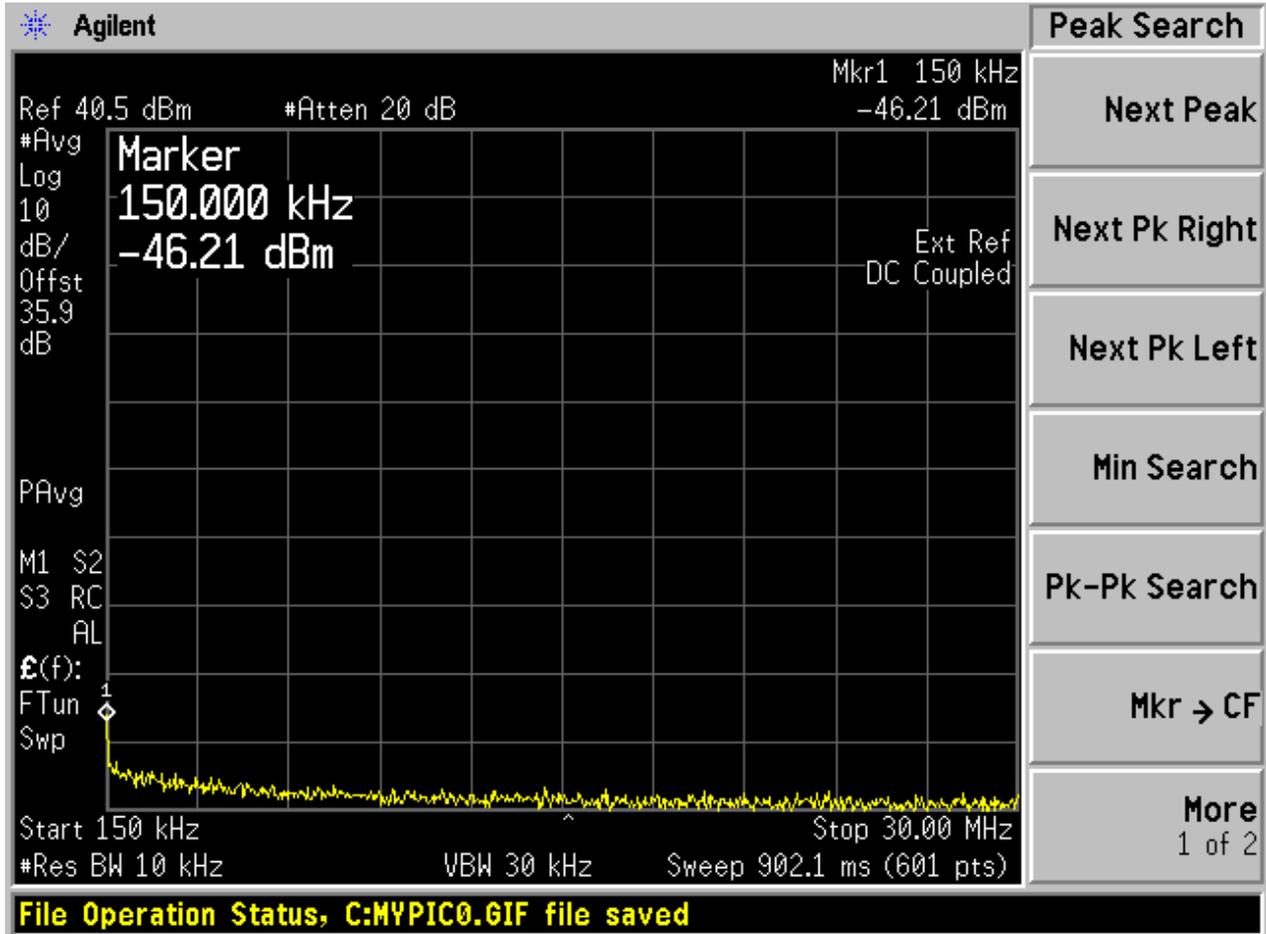


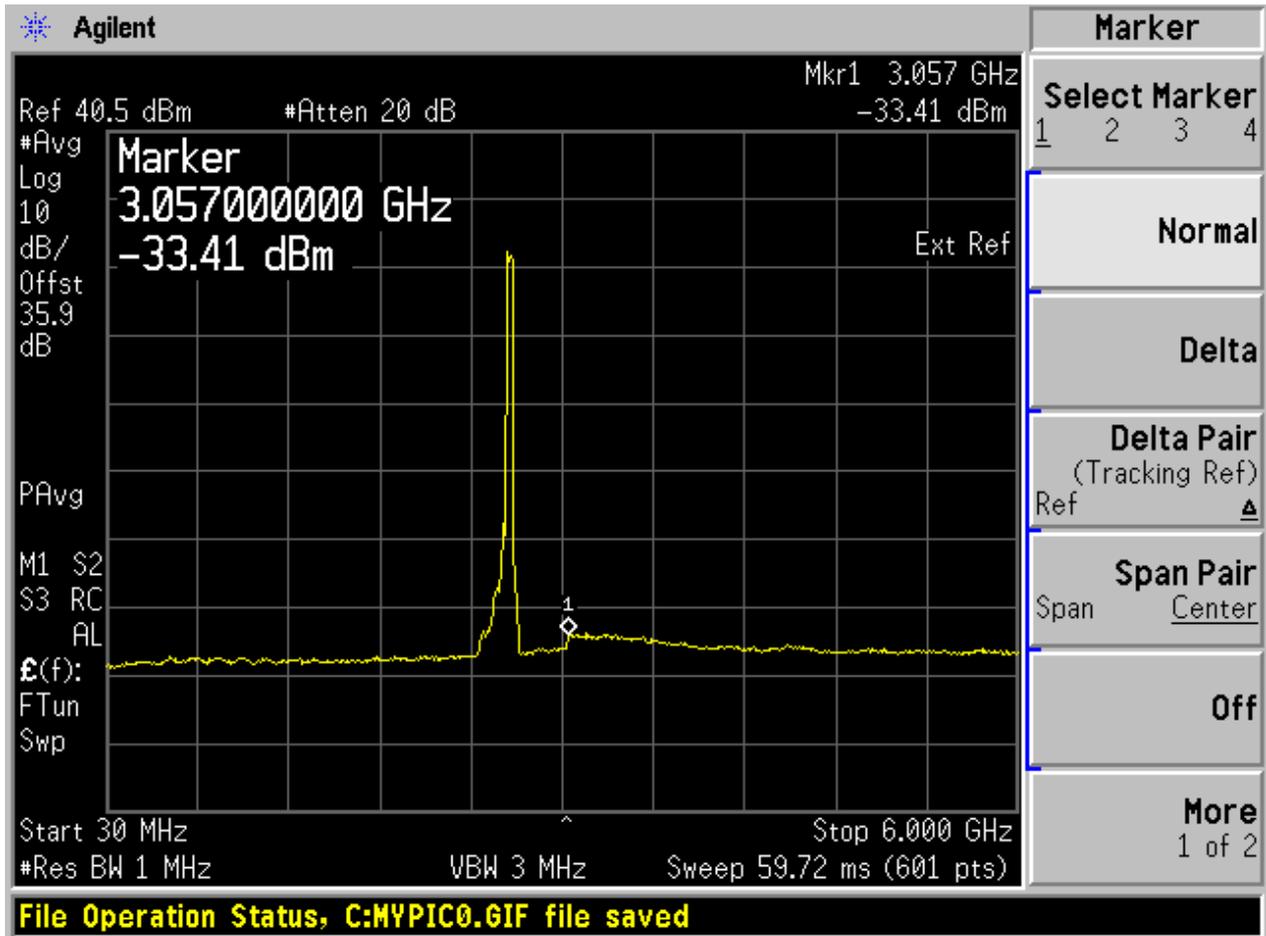


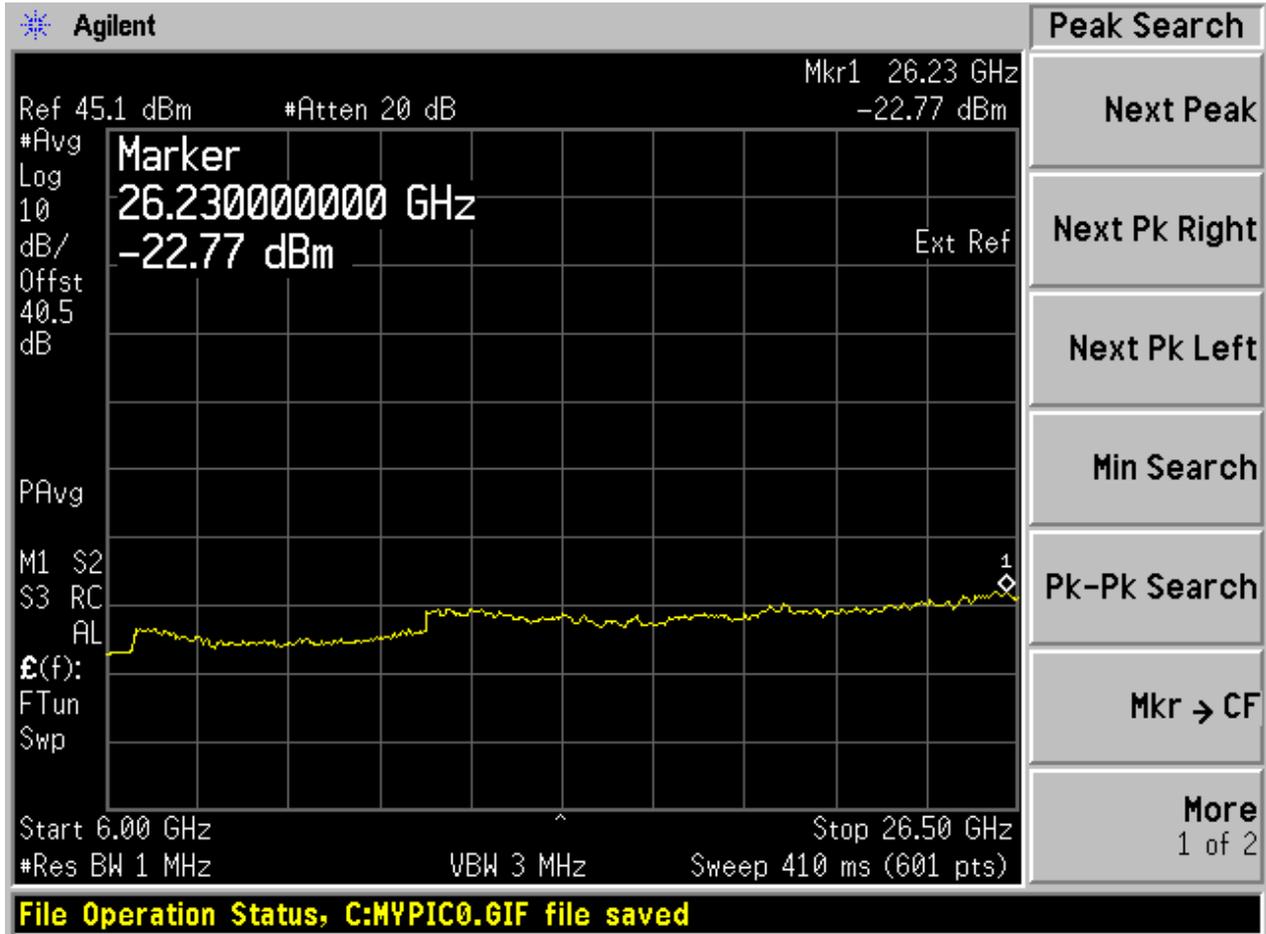


CSE-10M+10M+10M+10M-T:





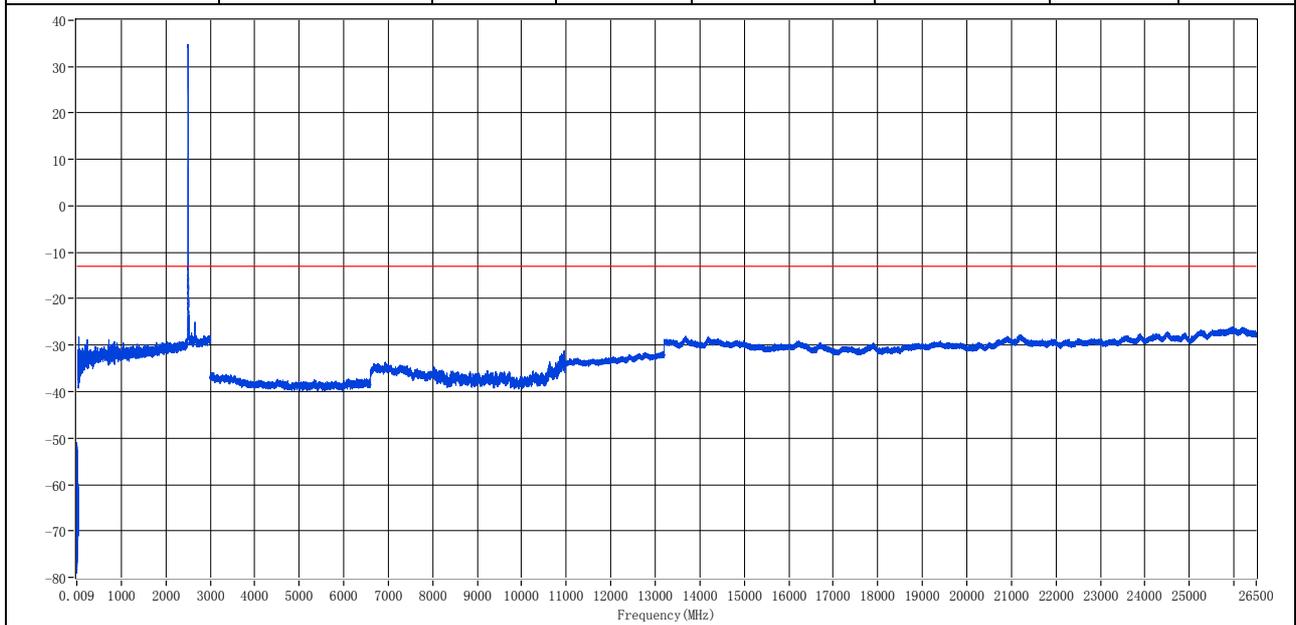




**LTE:**

CSE-10M-TM1.1-B:

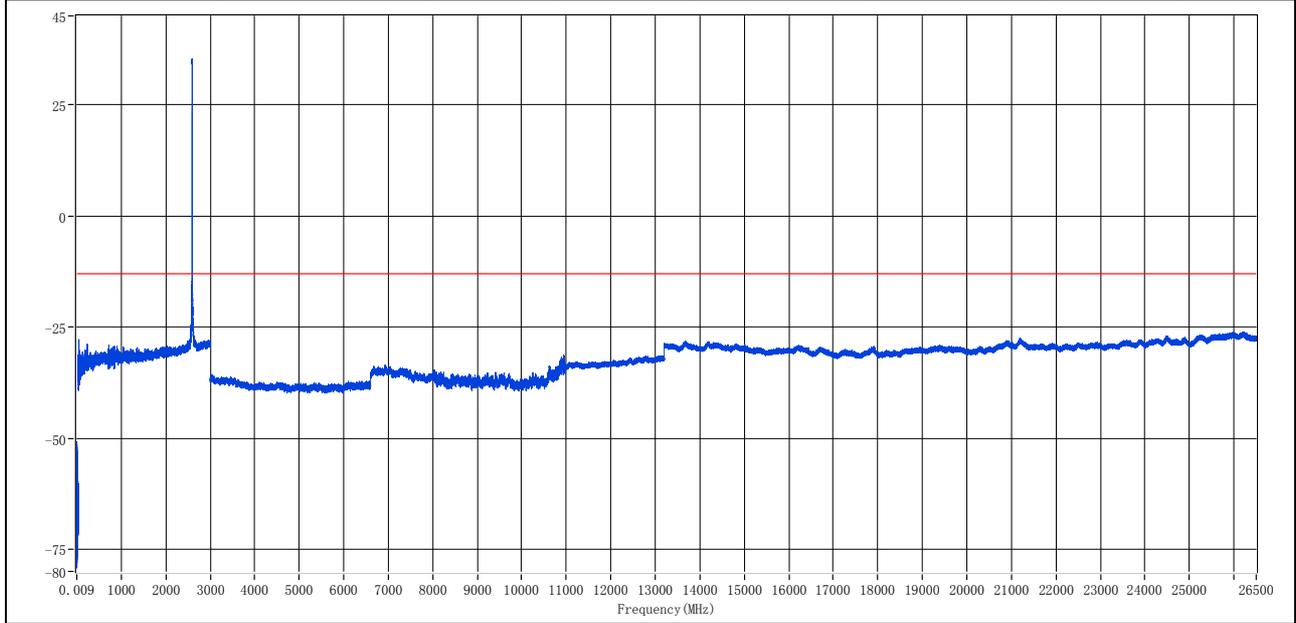
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.809 k	-50.96	-13.00	Pass
0.15	30	0.01	RMS	281.116 k	-55.45	-13.00	Pass
30	3000	1	RMS	2.500 G	34.76	-13.00	---
3000	26500	1	RMS	25.957 G	-26.06	-13.00	Pass





CSE-10M-TM1.1-M:

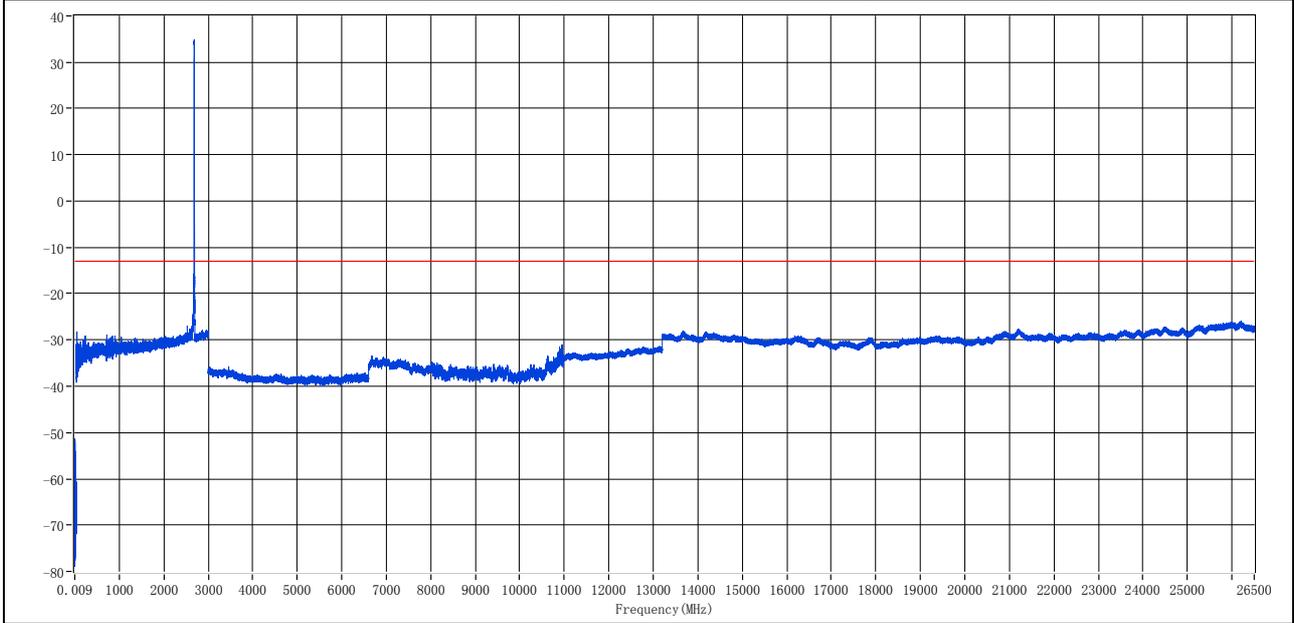
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	14.440 k	-50.85	-13.00	Pass
0.15	30	0.01	RMS	283.416 k	-55.32	-13.00	Pass
30	3000	1	RMS	2.591 G	35.34	-13.00	---
3000	26500	1	RMS	26.222 G	-26.09	-13.00	Pass





CSE-10M-TM1.1-T:

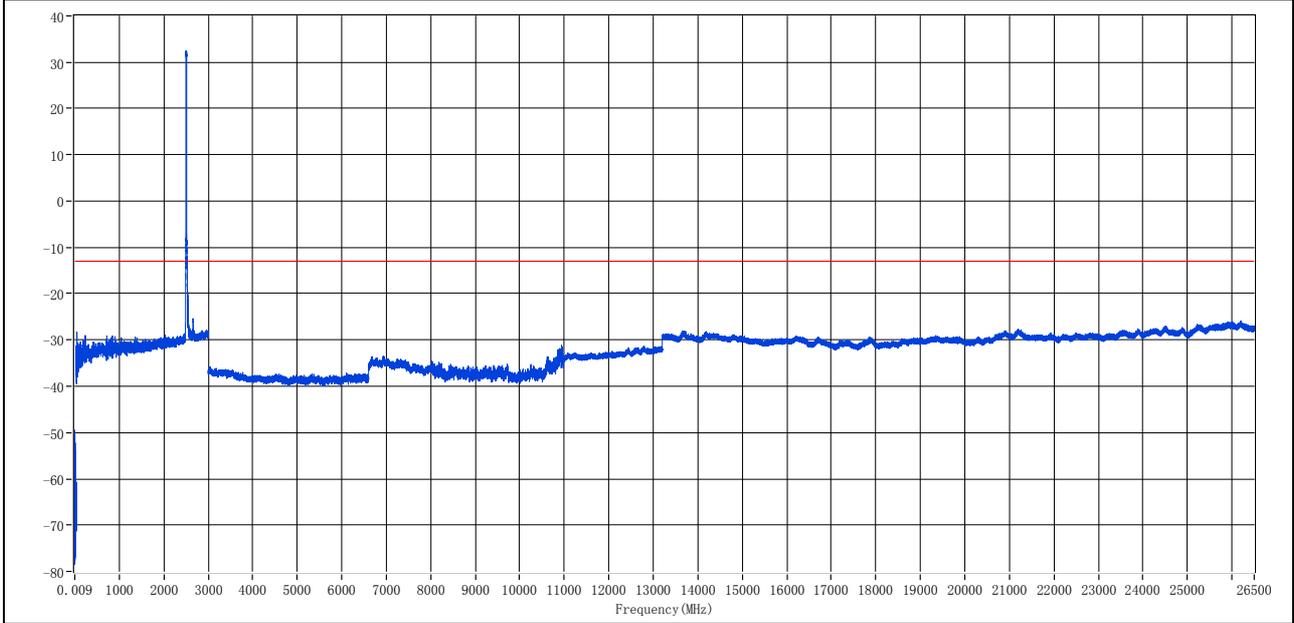
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	10.274 k	-51.41	-13.00	Pass
0.15	30	0.01	RMS	1.135 M	-55.11	-13.00	Pass
30	3000	1	RMS	2.684 G	34.89	-13.00	---
3000	26500	1	RMS	26.207 G	-25.90	-13.00	Pass





CSE-20M-TM1.1-B:

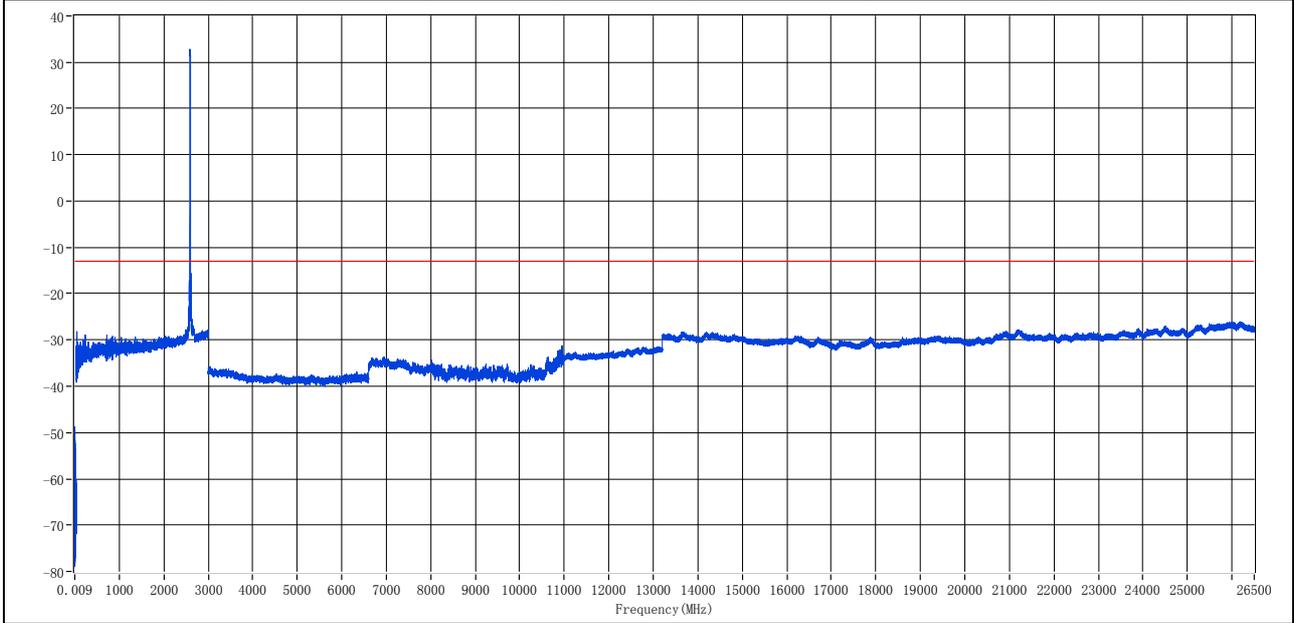
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.000 k	-49.47	-13.00	Pass
0.15	30	0.01	RMS	292.617 k	-55.85	-13.00	Pass
30	3000	1	RMS	2.500 G	32.51	-13.00	---
3000	26500	1	RMS	26.203 G	-25.90	-13.00	Pass





CSE-20M-TM1.1-M:

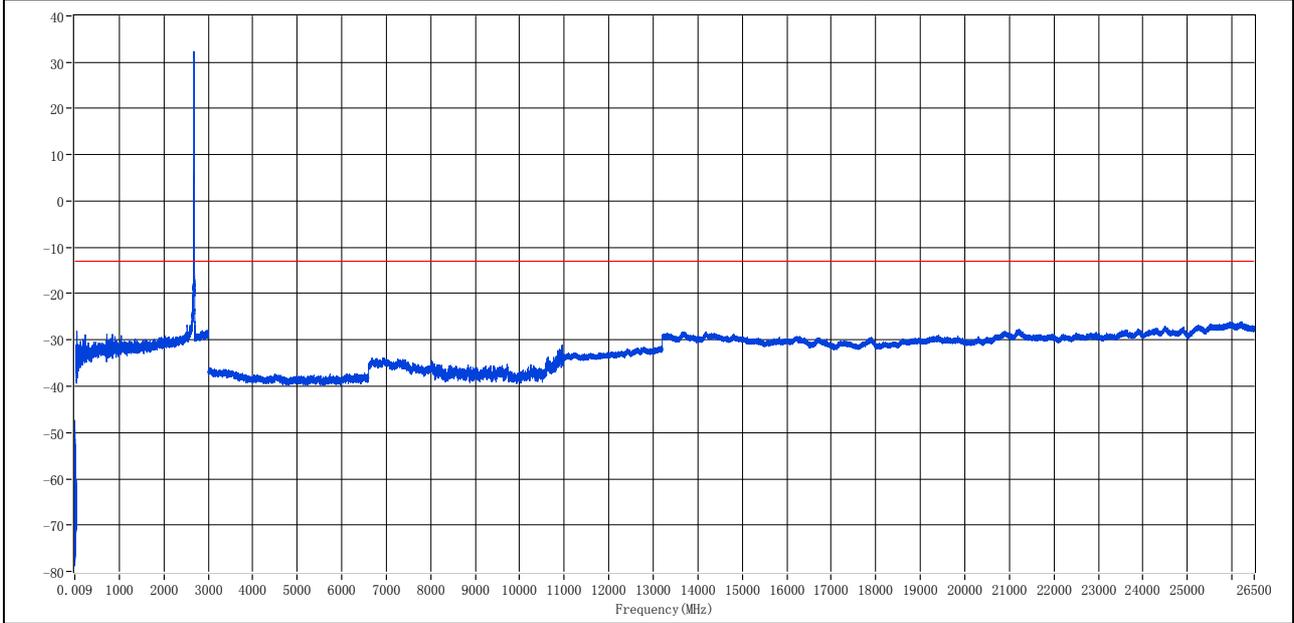
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.069 k	-48.79	-13.00	Pass
0.15	30	0.01	RMS	228.210 k	-53.96	-13.00	Pass
30	3000	1	RMS	2.587 G	32.80	-13.00	---
3000	26500	1	RMS	26.193 G	-26.07	-13.00	Pass





CSE-20M-TM1.1-T::

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.379 k	-47.38	-13.00	Pass
0.15	30	0.01	RMS	290.317 k	-54.11	-13.00	Pass
30	3000	1	RMS	2.673 G	32.24	-13.00	---
3000	26500	1	RMS	26.216 G	-26.06	-13.00	Pass





CSE-20M+20M-TM1.1-B:

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.155 k	-46.69	-13.00	Pass
0.15	30	0.01	RMS	283.416 k	-56.37	-13.00	Pass
30	3000	1	RMS	2.511 G	29.10	-13.00	---
3000	26500	1	RMS	26.209 G	-26.06	-13.00	Pass





CSE-20M+20M-TM1.1-M:

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.775 k	-51.24	-13.00	Pass
0.15	30	0.01	RMS	285.717 k	-53.81	-13.00	Pass
30	3000	1	RMS	2.587 G	29.78	-13.00	---
3000	26500	1	RMS	26.188 G	-26.05	-13.00	Pass





CSE-20M+20M-TM1.1-T:

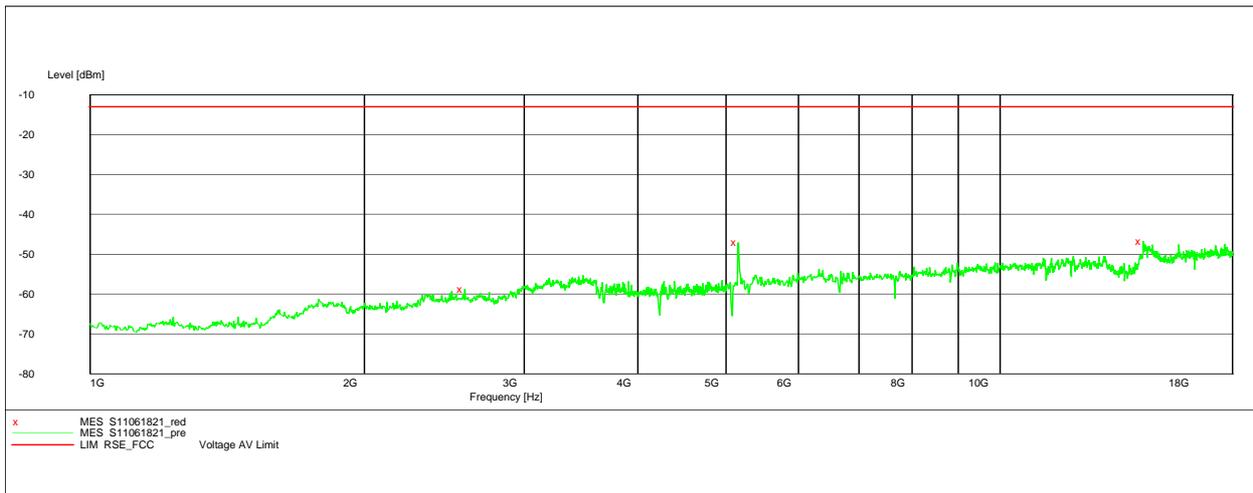
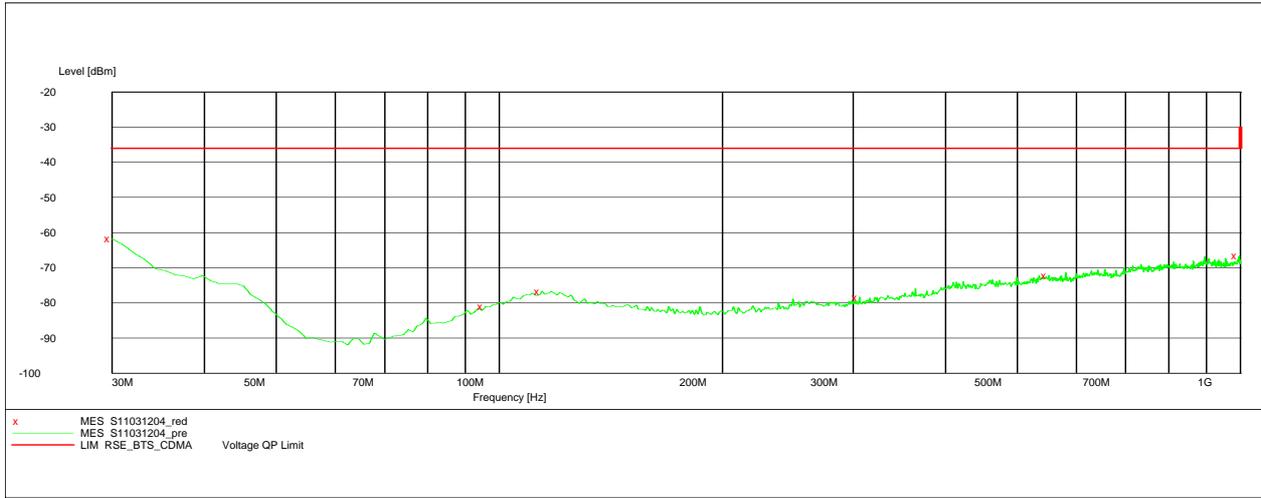
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.120 k	-49.24	-13.00	Pass
0.15	30	0.01	RMS	230.510 k	-56.49	-13.00	Pass
30	3000	1	RMS	2.654 G	29.35	-13.00	---
3000	26500	1	RMS	26.187 G	-25.85	-13.00	Pass





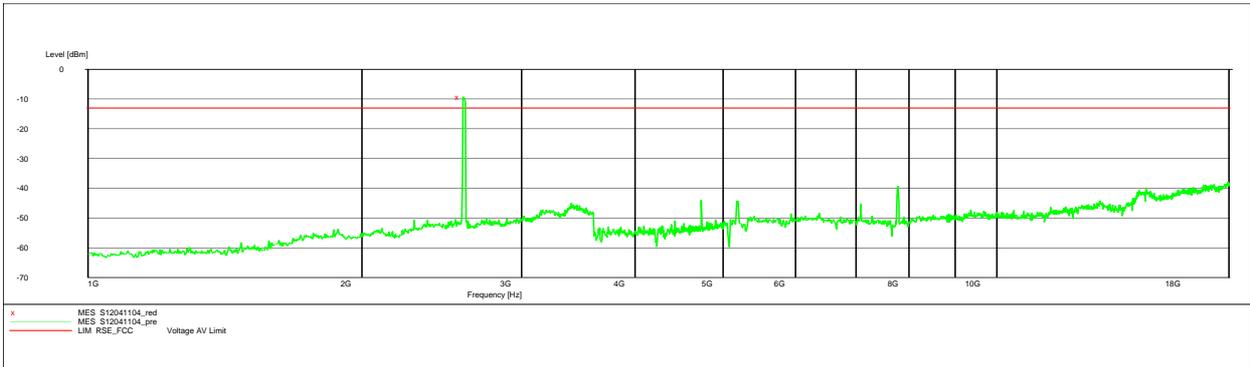
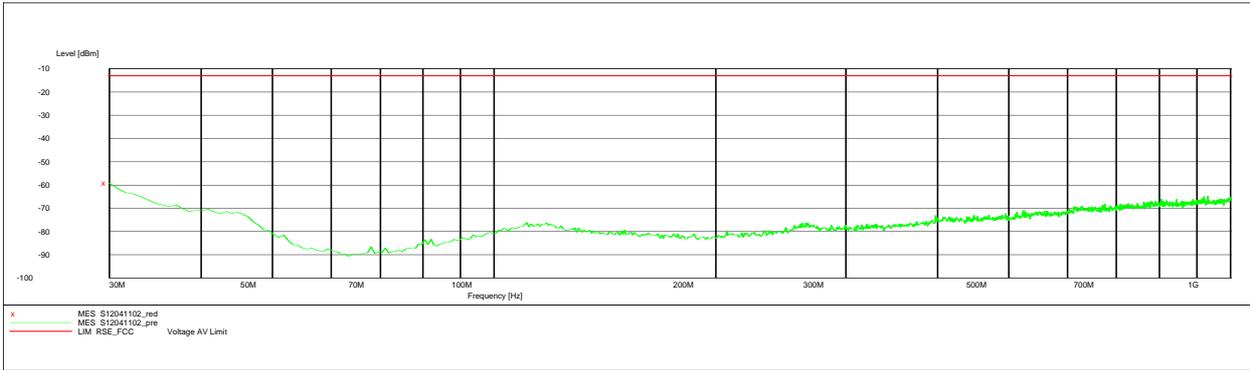
## Annex A.6 Field Strength of Spurious Radiation

### WiMAX:





LTE:



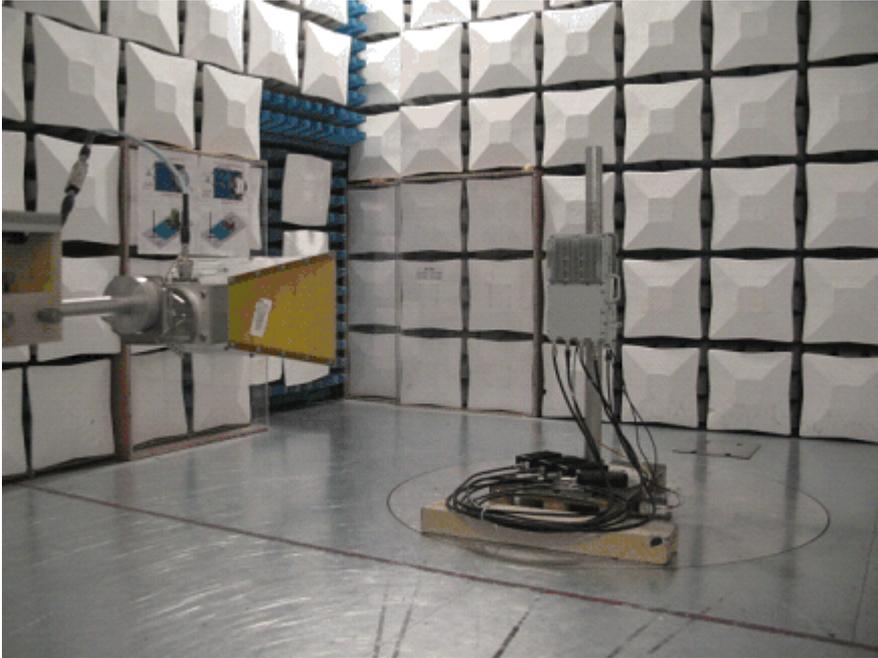
## Annex B Photos of Test Setup

### Annex B.1 Test Setup 3

#### Annex B.1.1 Frequency range below 1 GHz



### Annex B.1.2 Frequency range above 1 GHz



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END