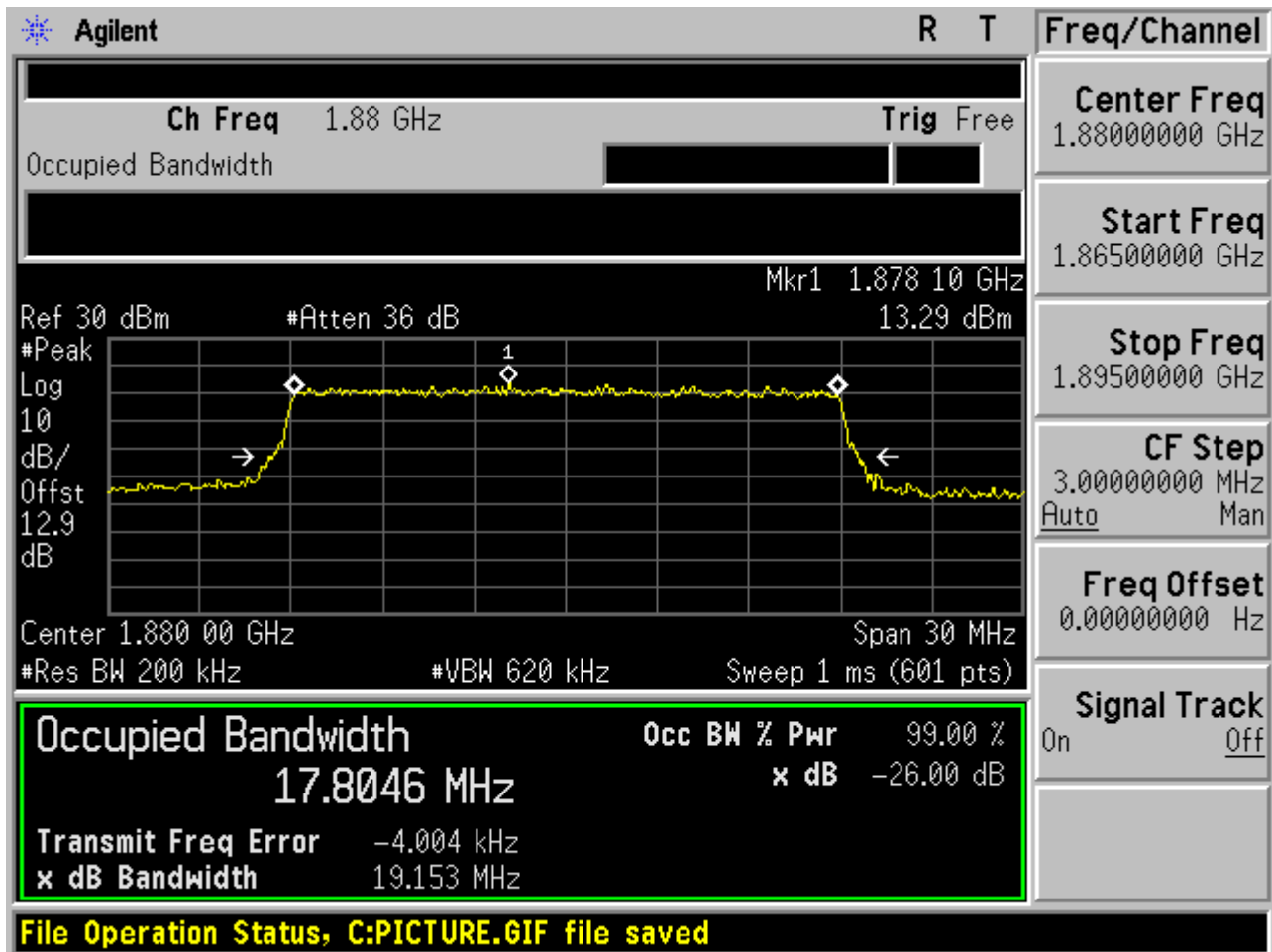




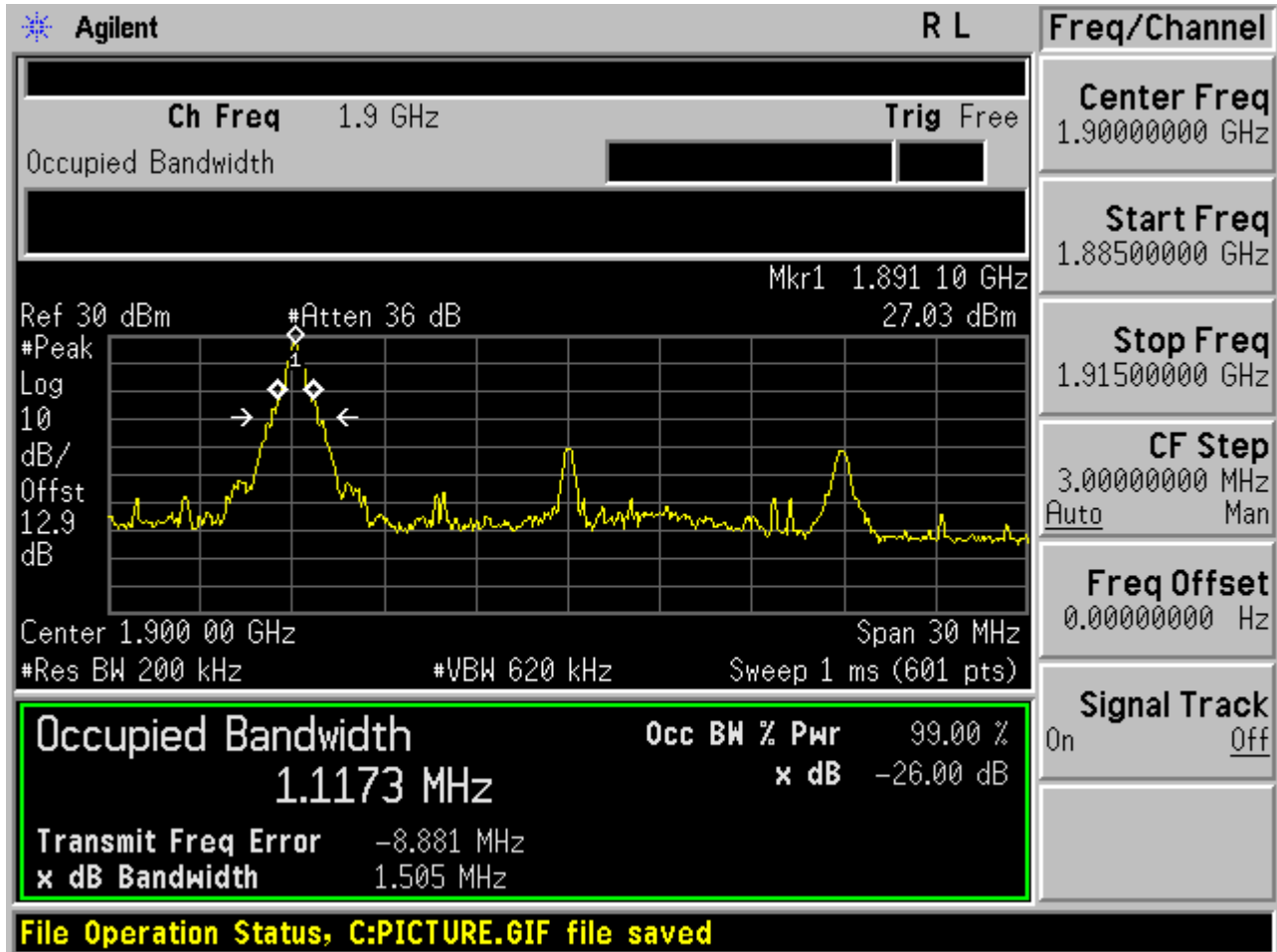
2.2.6.2.4 16QAM /full RBs





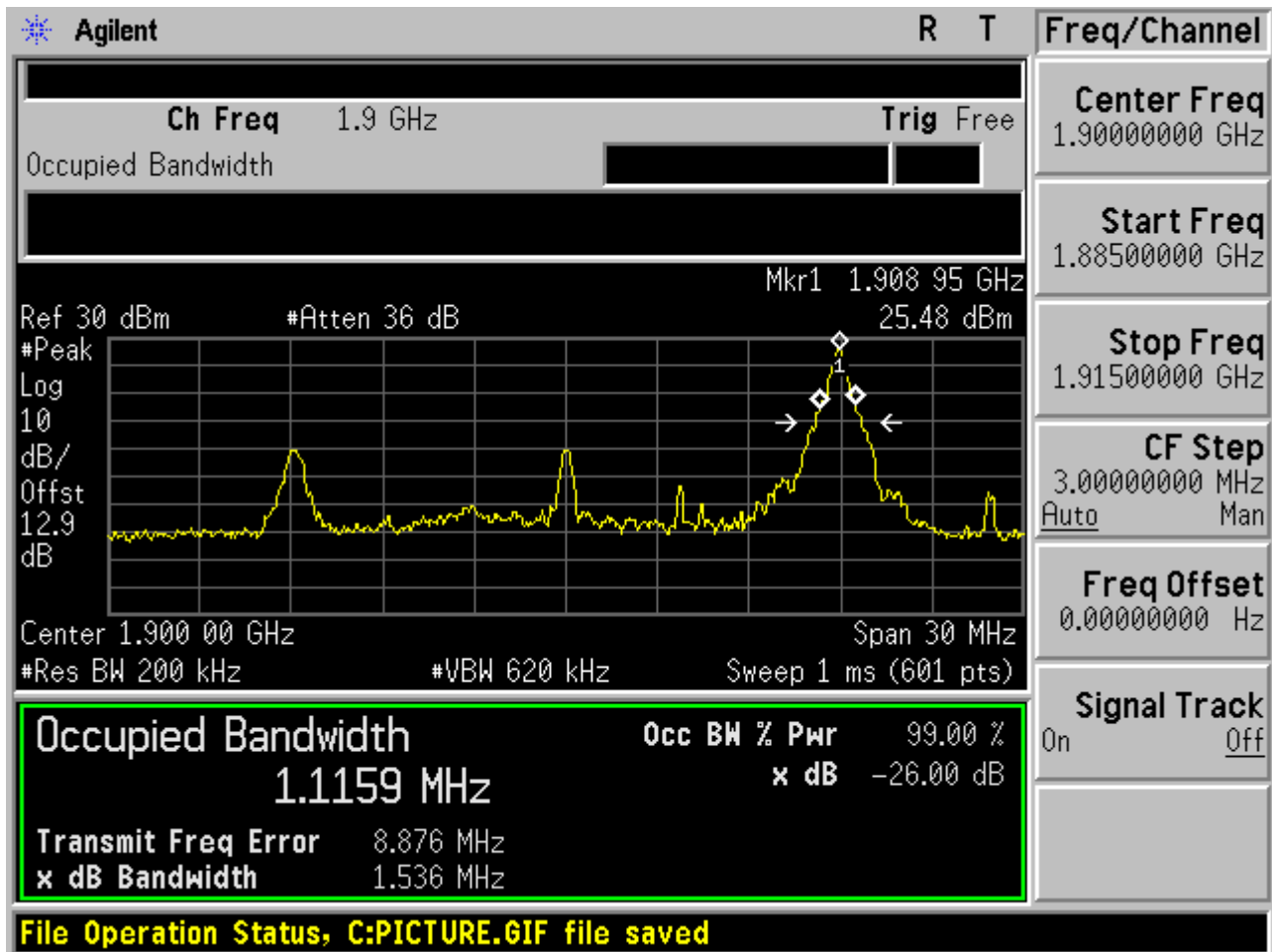
2.2.6.3 Channel = T

2.2.6.3.1 16QAM/1RB # 0



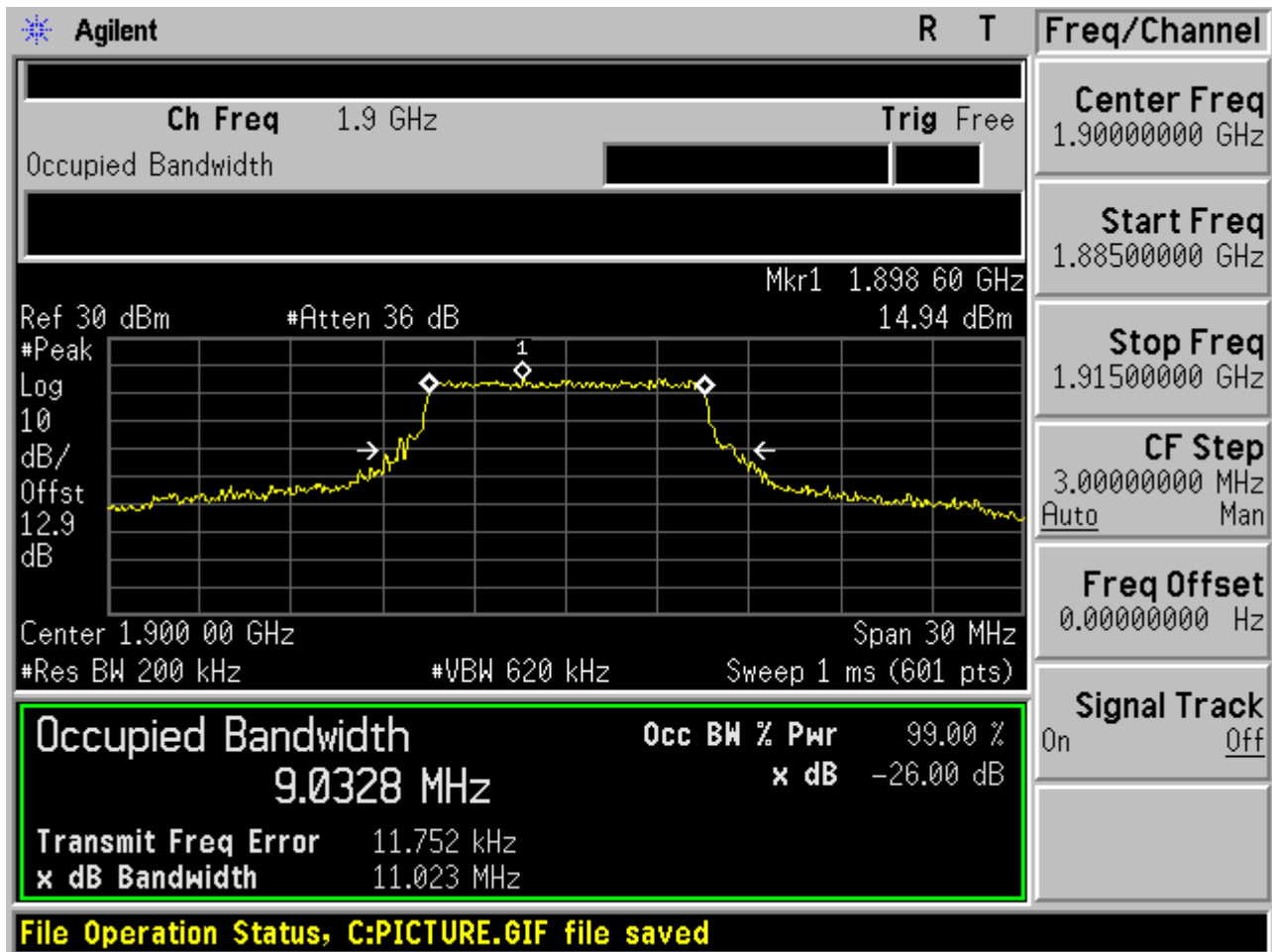


2.2.6.3.2 16QAM /1RB # max



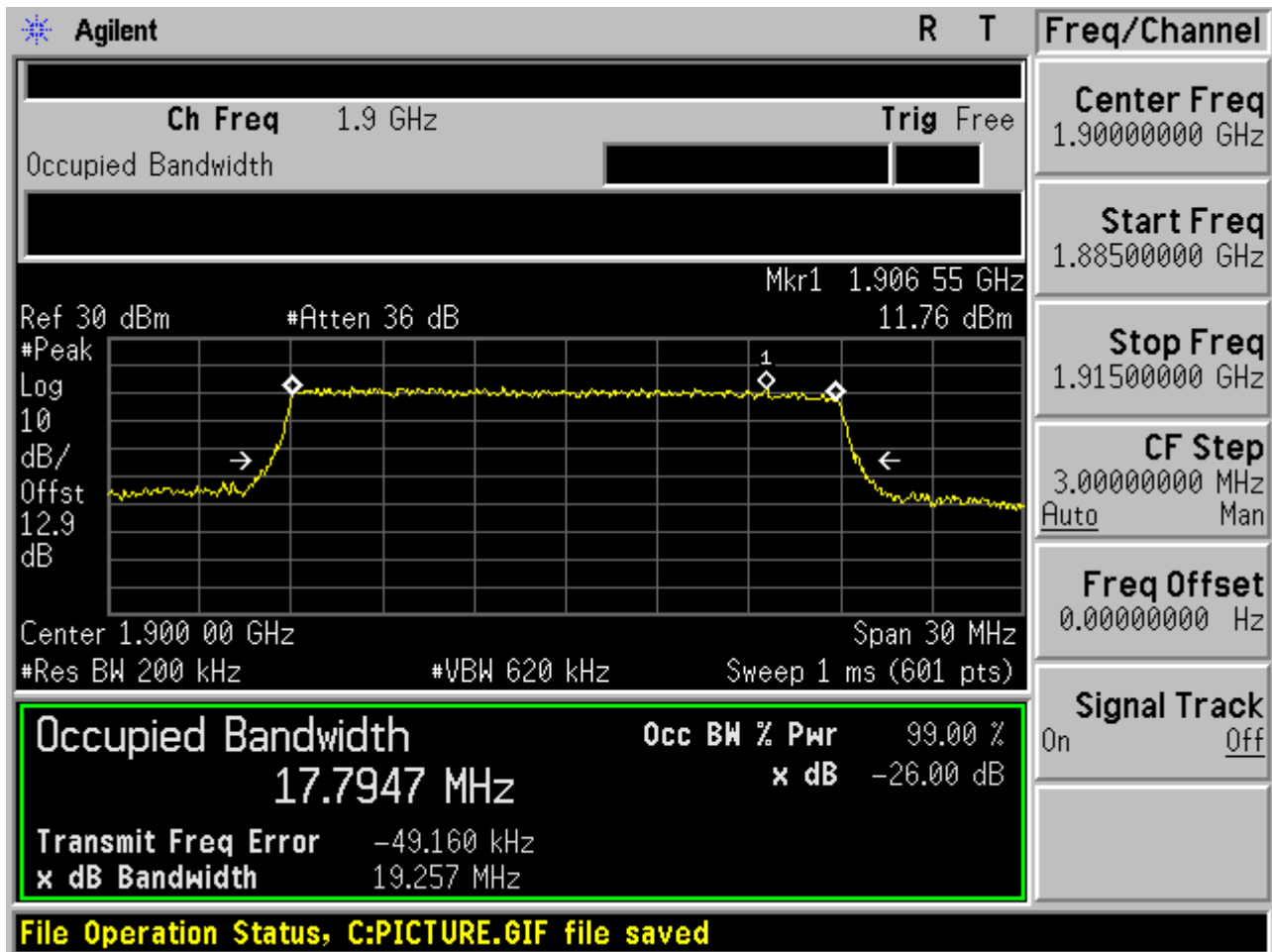


2.2.6.3.3 16QAM /non-1RB #mid/2





2.2.6.3.4 16QAM /full RBs



-----END-----



Appendix D

Band Edges Compliance

According to FCC Part 2.1051 & 24.238 & RSS-133



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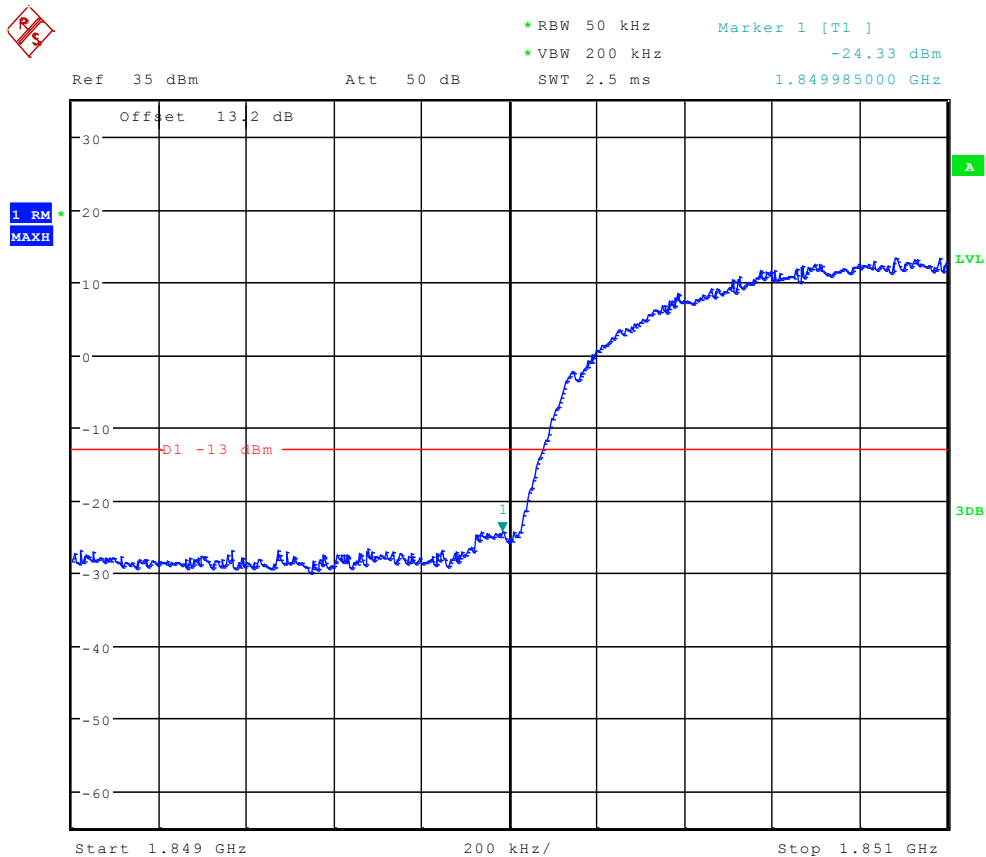
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1 For WCDMA Band 2

1.1 Test Mode=TM1

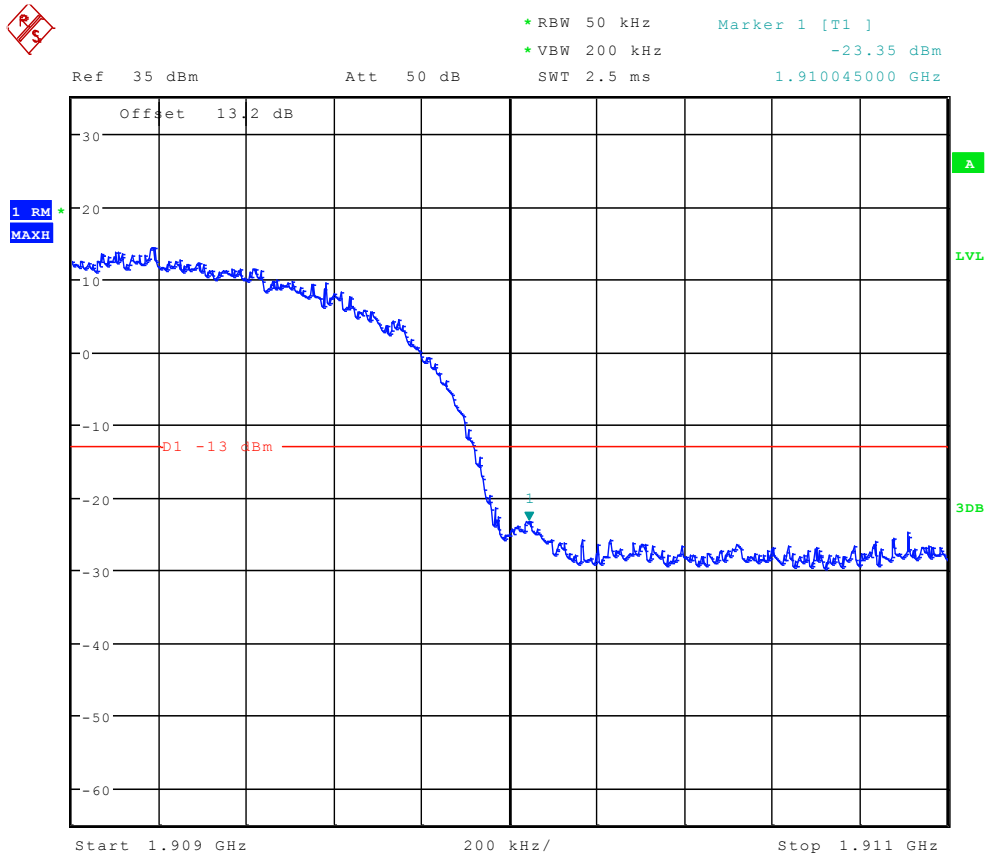
1.1.1 Channel = B



Date: 29.AUG.2012 14:32:10



1.1.2 Channel = T



Date: 29.AUG.2012 14:32:24



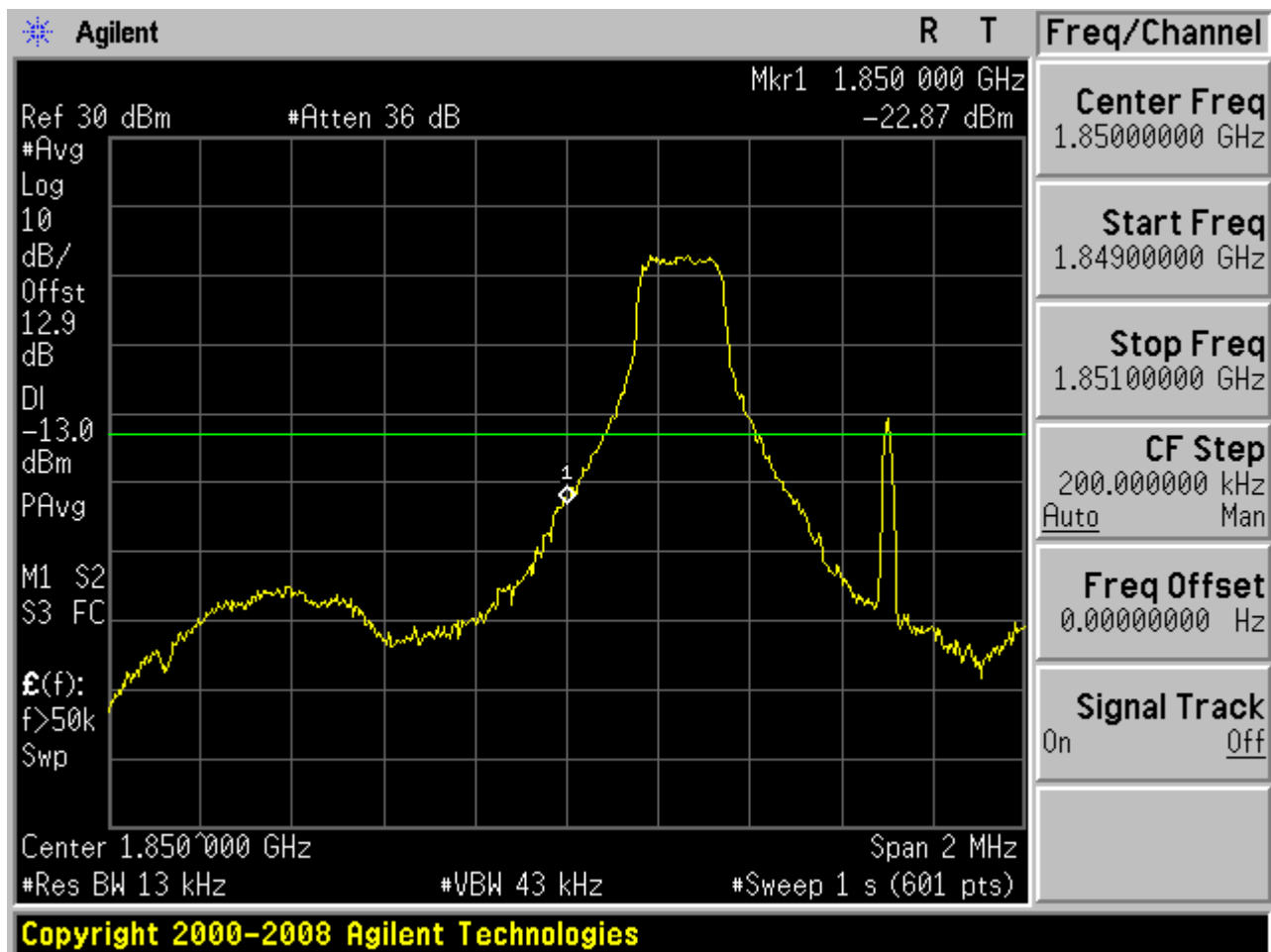
2 For LTE Band 2

2.1 Test Mode=TM4

2.1.1 Channel Bandwidth = 1.4 MHz

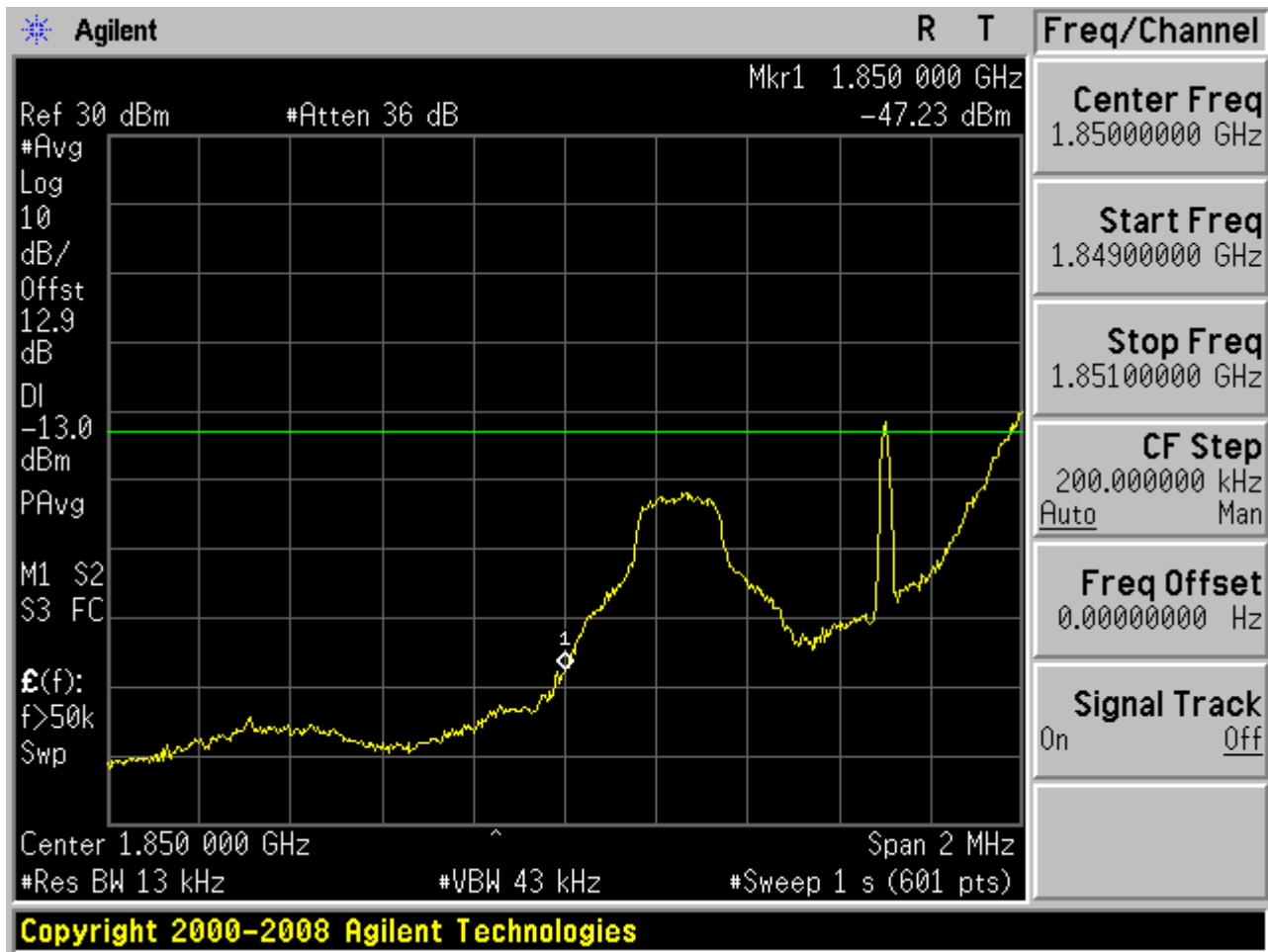
2.1.1.1 Channel= B

2.1.1.1.1 QPSK/1RB # 0



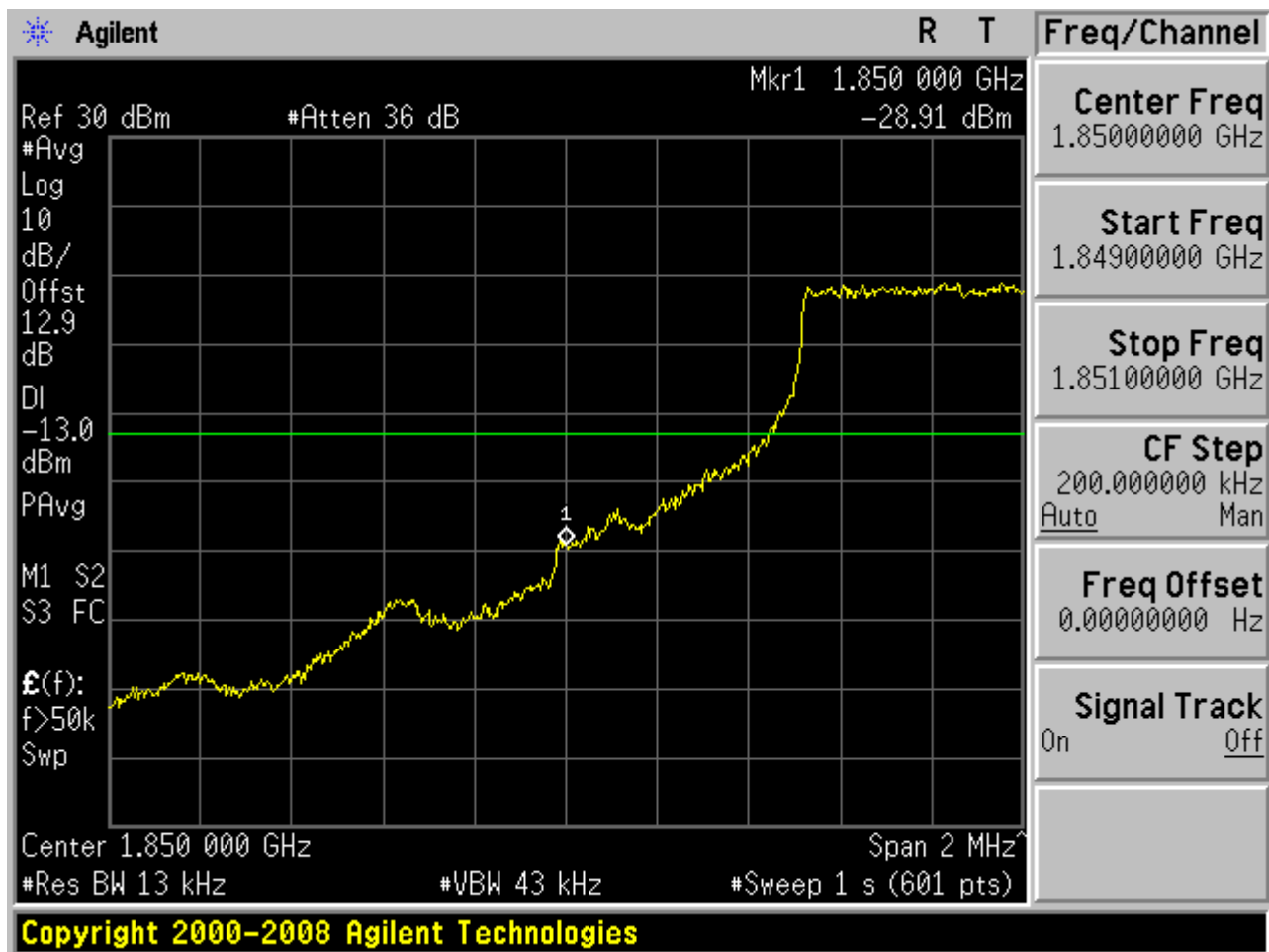


2.1.1.1.2 QPSK/1RB # max



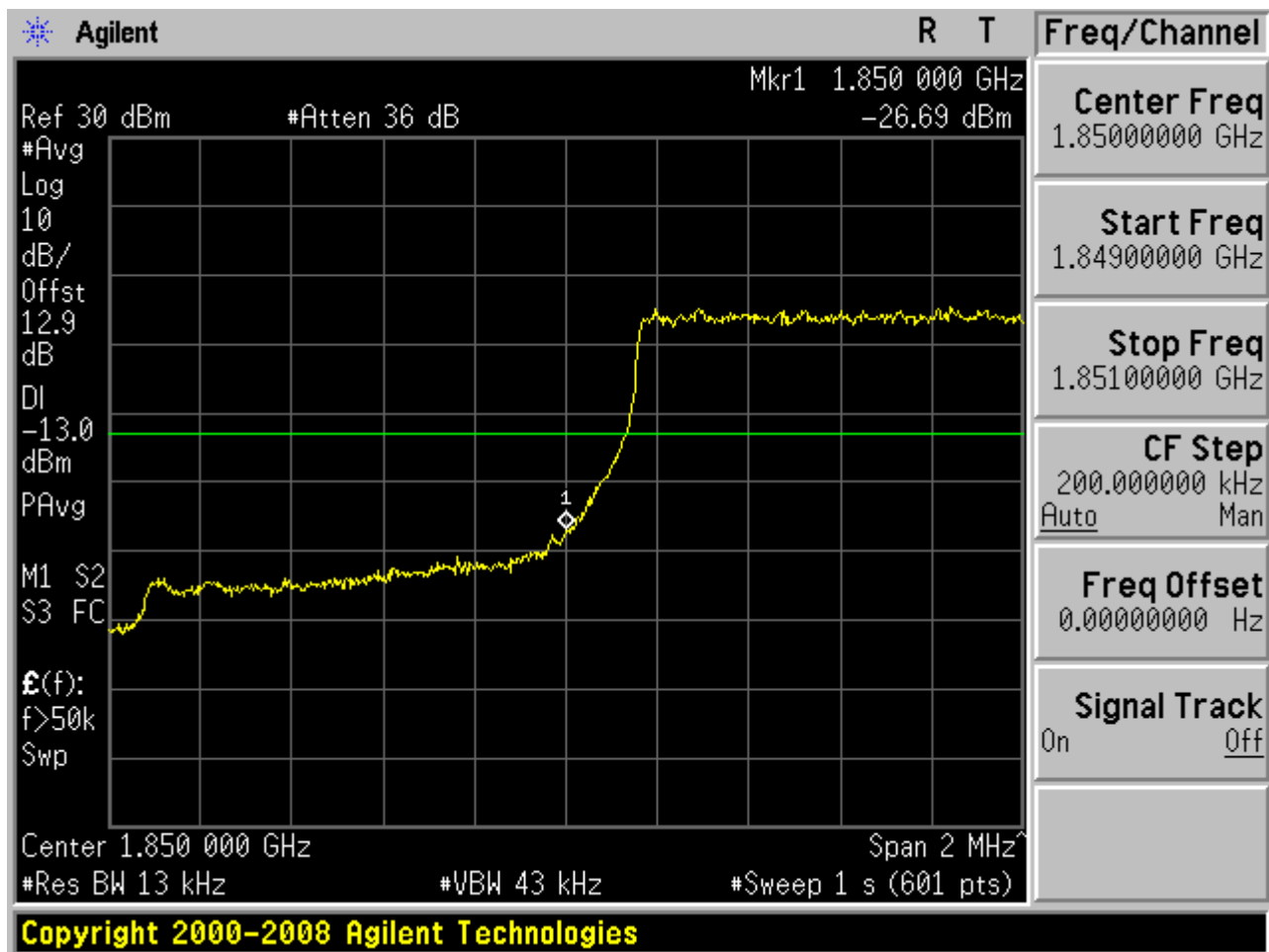


2.1.1.1.3 QPSK/non-1RB #mid/2





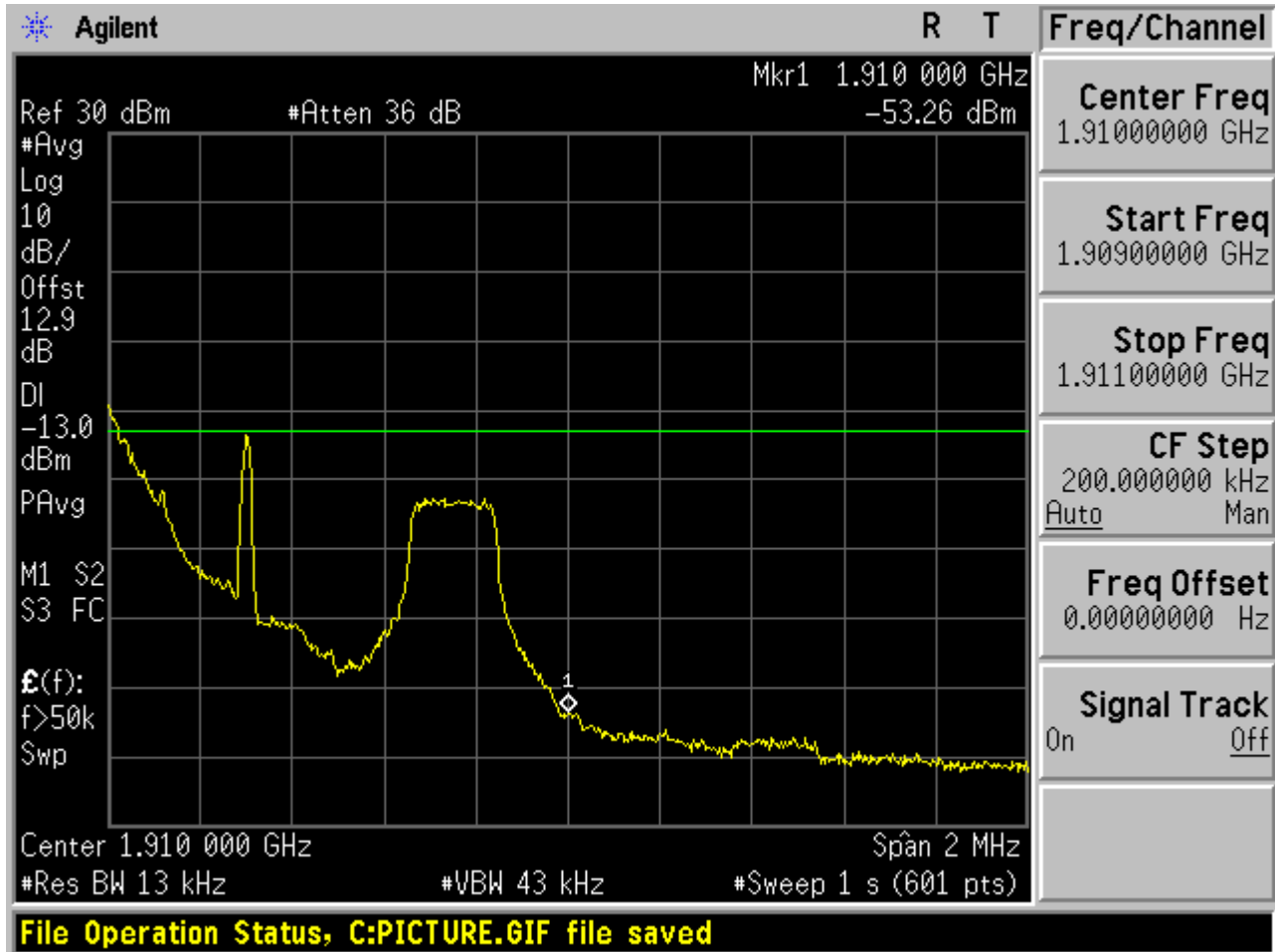
2.1.1.1.4 QPSK/full RBs





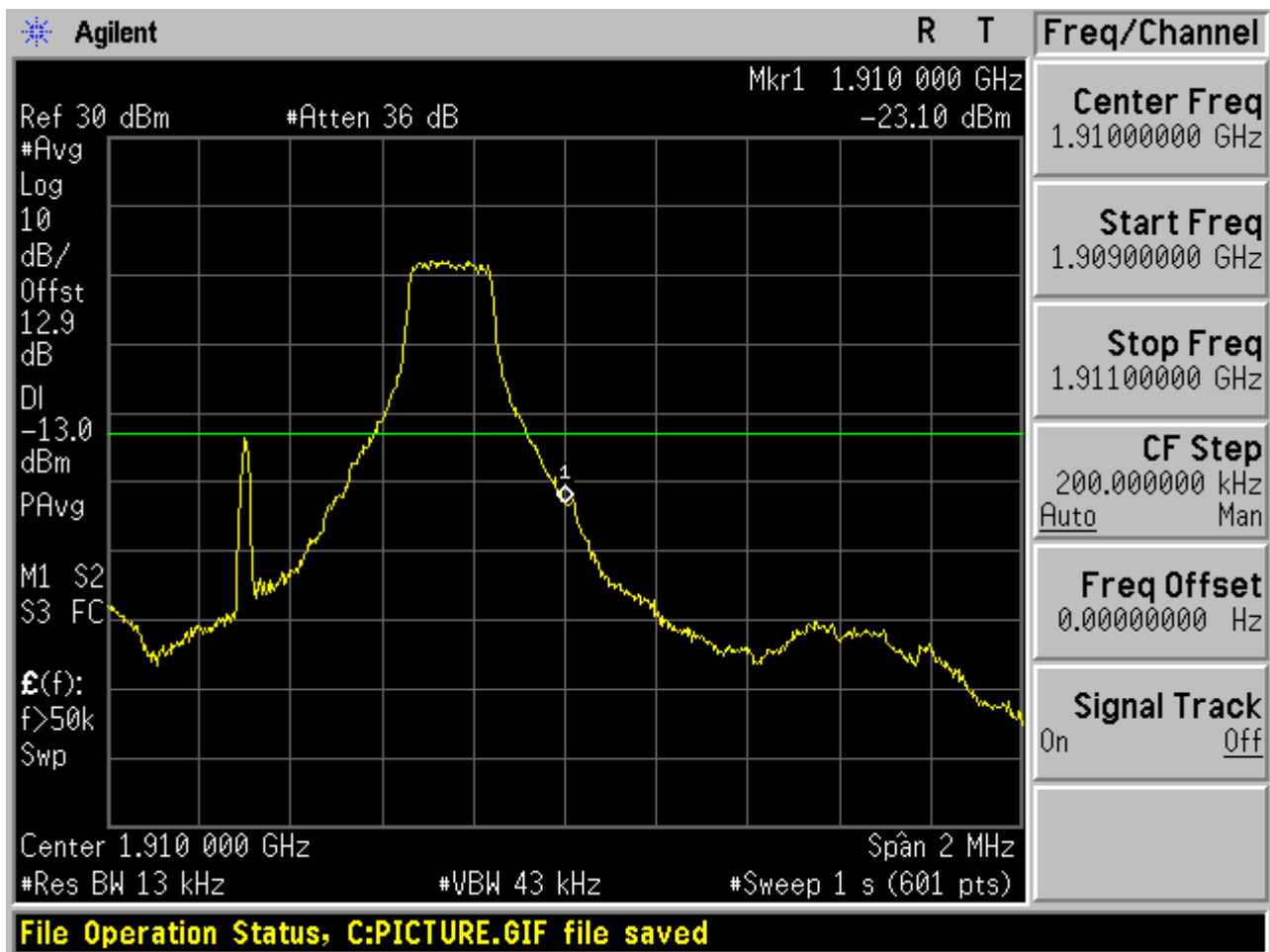
2.1.1.2 Channel= T

2.1.1.2.1 QPSK/1RB # 0



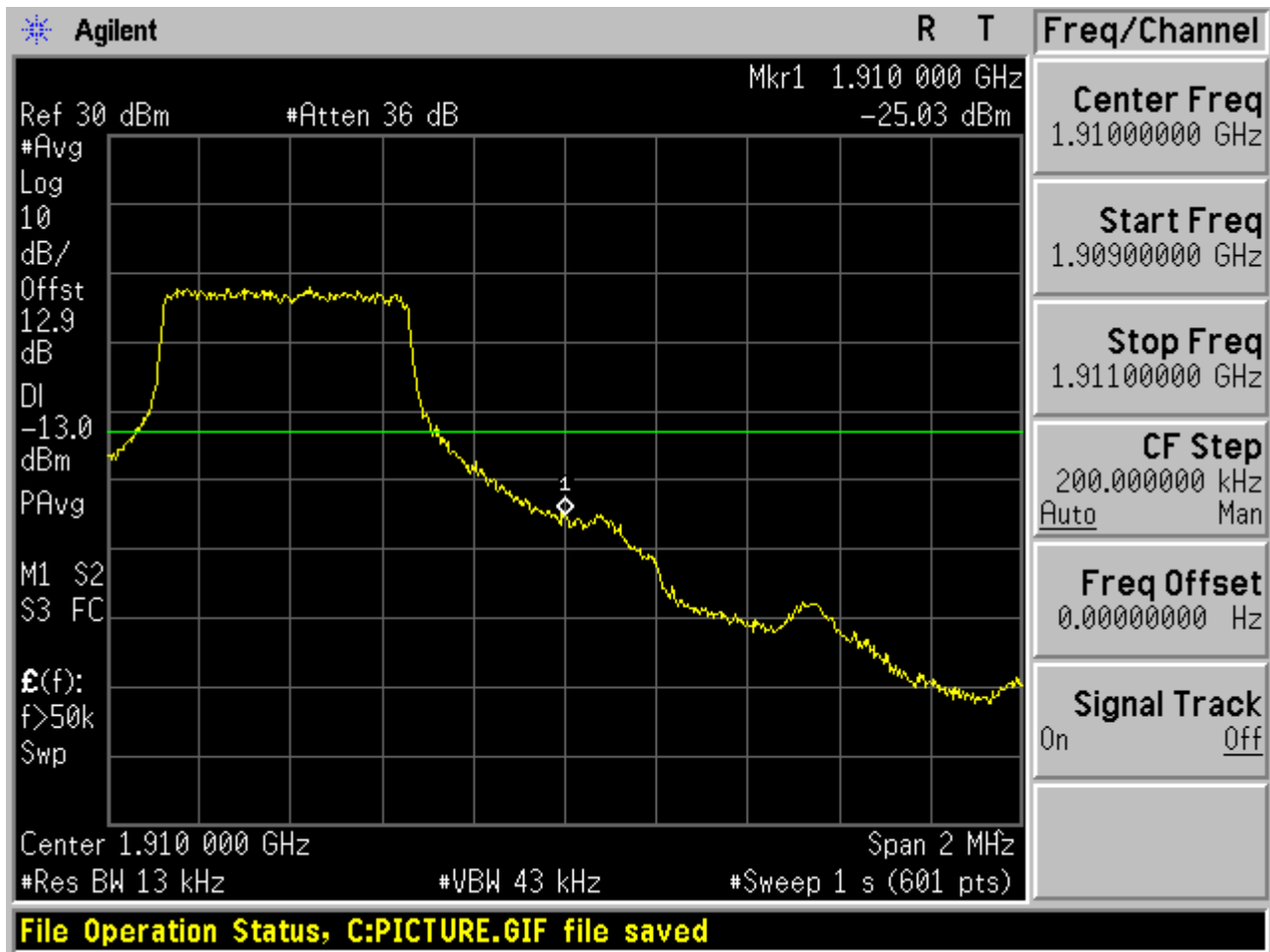


2.1.1.2.2 QPSK/1RB # max



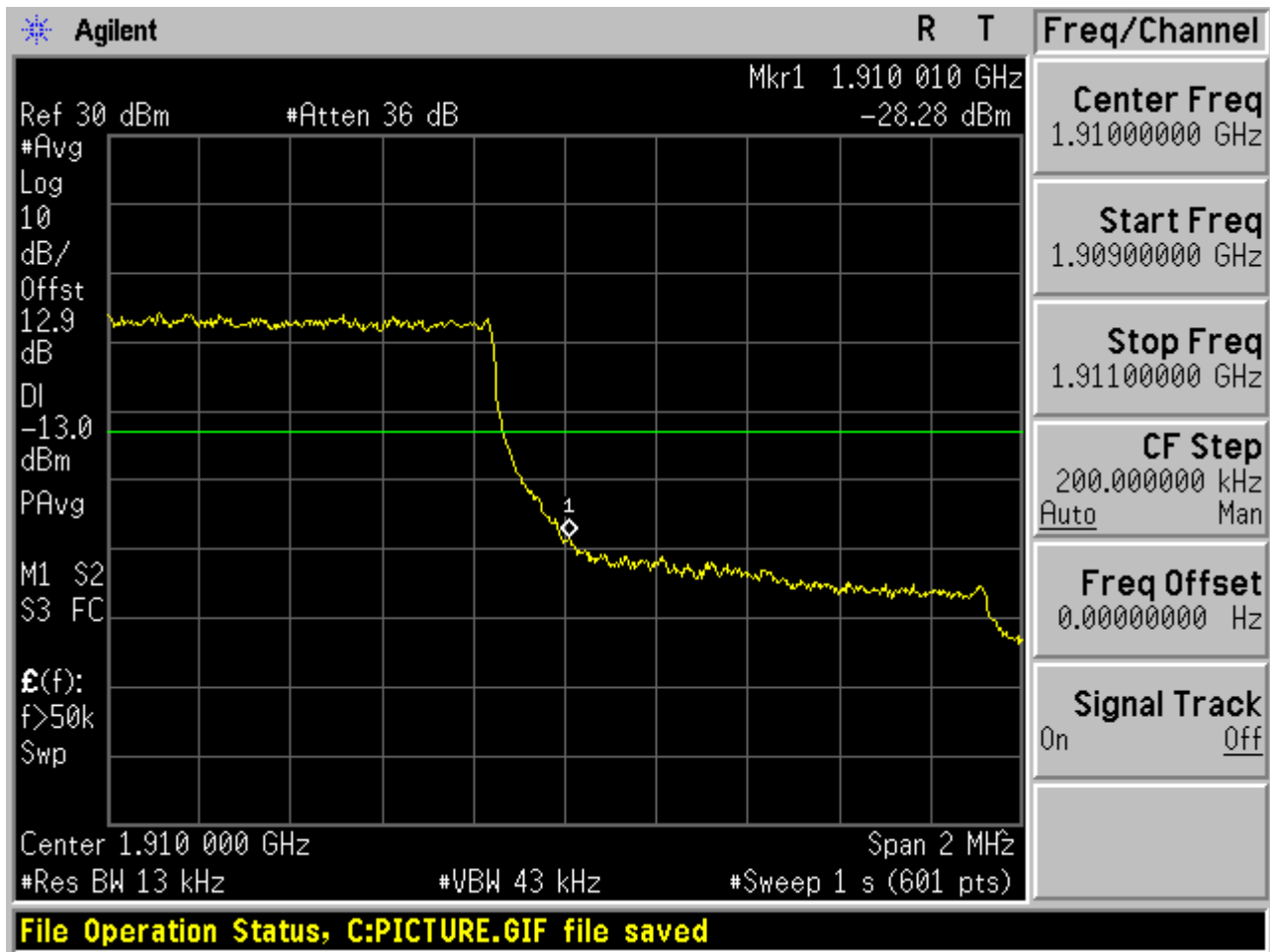


2.1.1.2.3 QPSK/non-1RB #mid/2





2.1.1.2.4 QPSK/full RBs

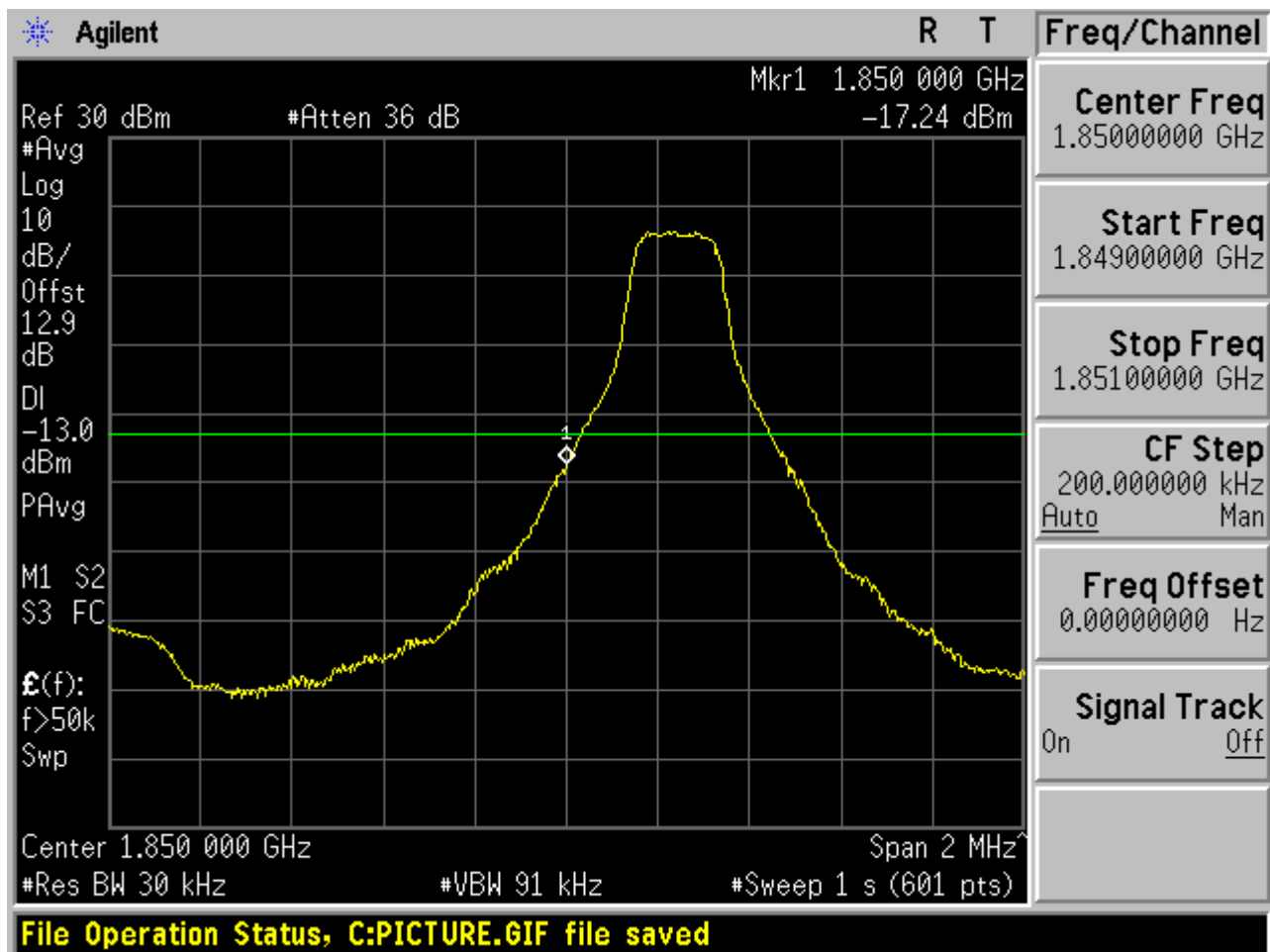




2.1.2 Channel Bandwidth = 3 MHz

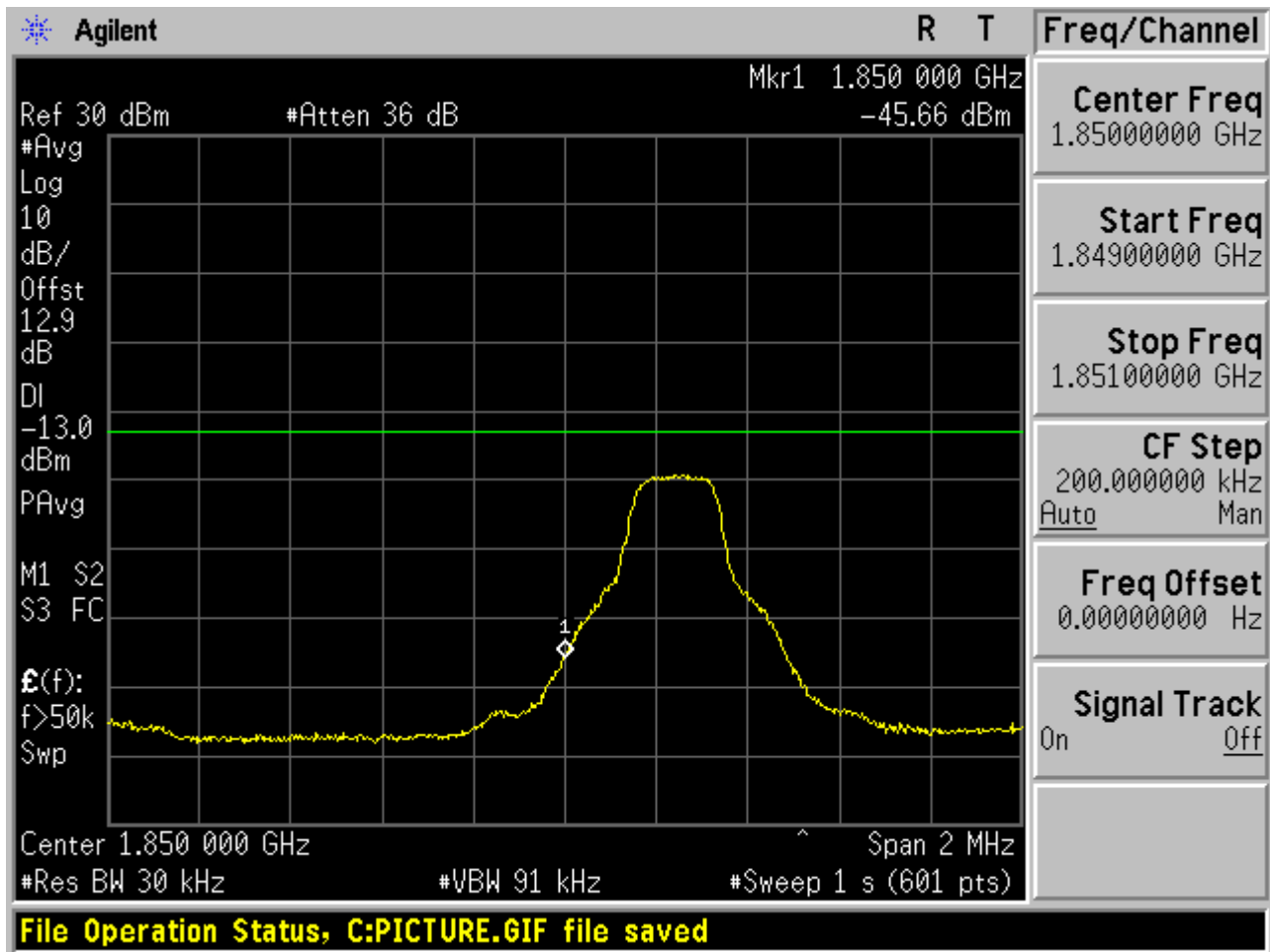
2.1.2.1 Channel= B

2.1.2.1.1 QPSK/1RB # 0



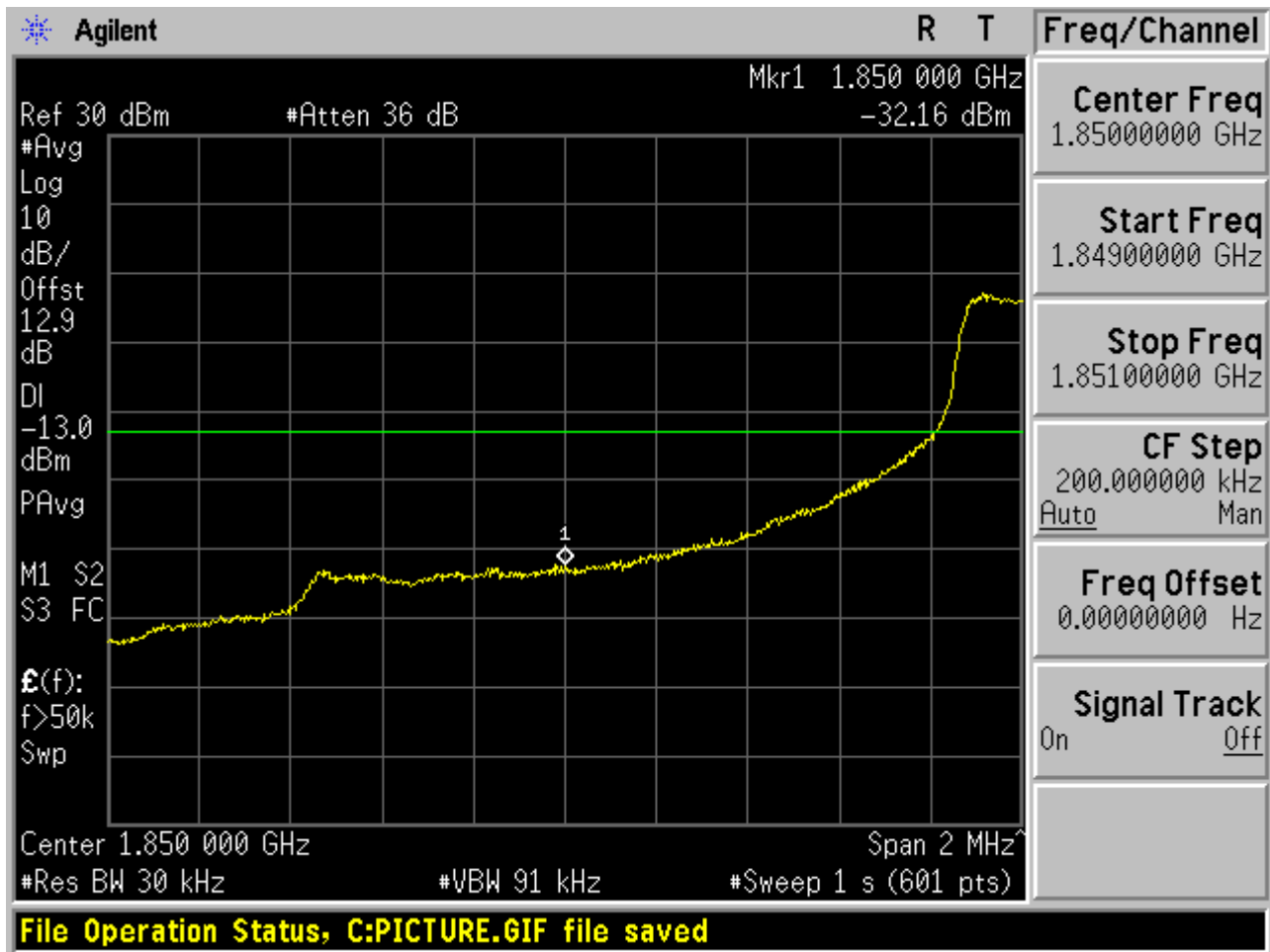


2.1.2.1.2 QPSK/1RB # max



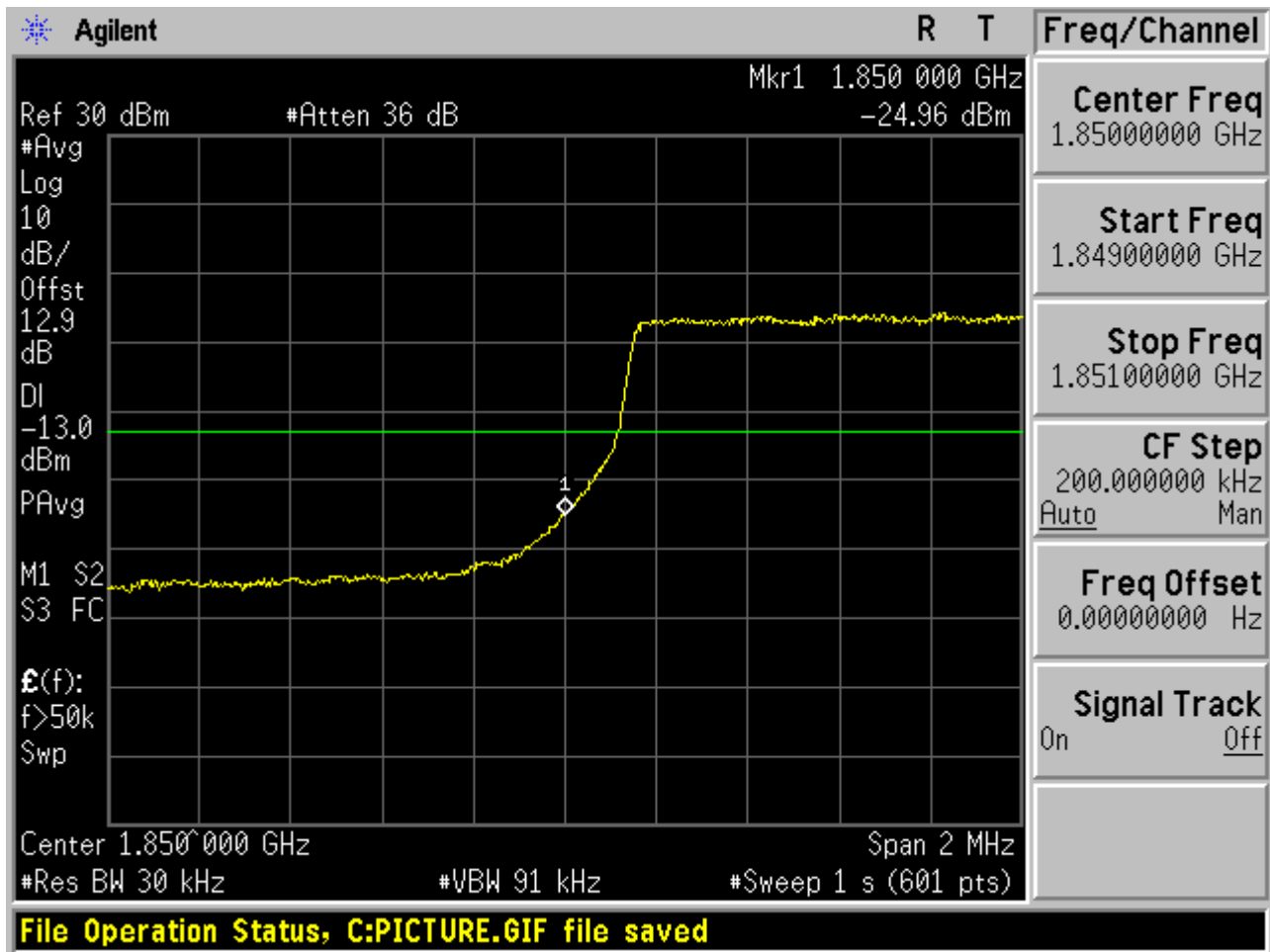


2.1.2.1.3 QPSK/non-1RB #mid/2





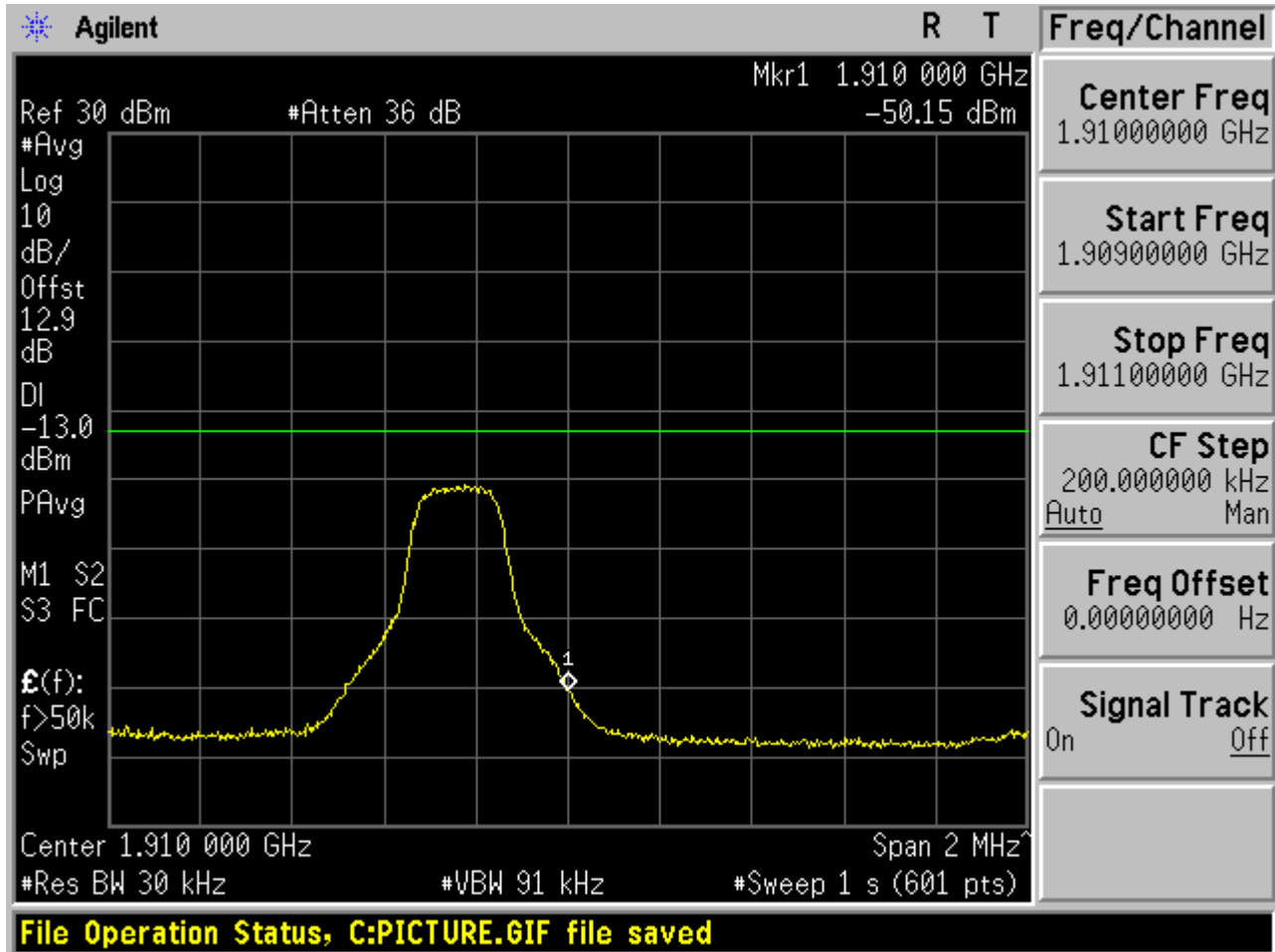
2.1.2.1.4 QPSK/full RBs





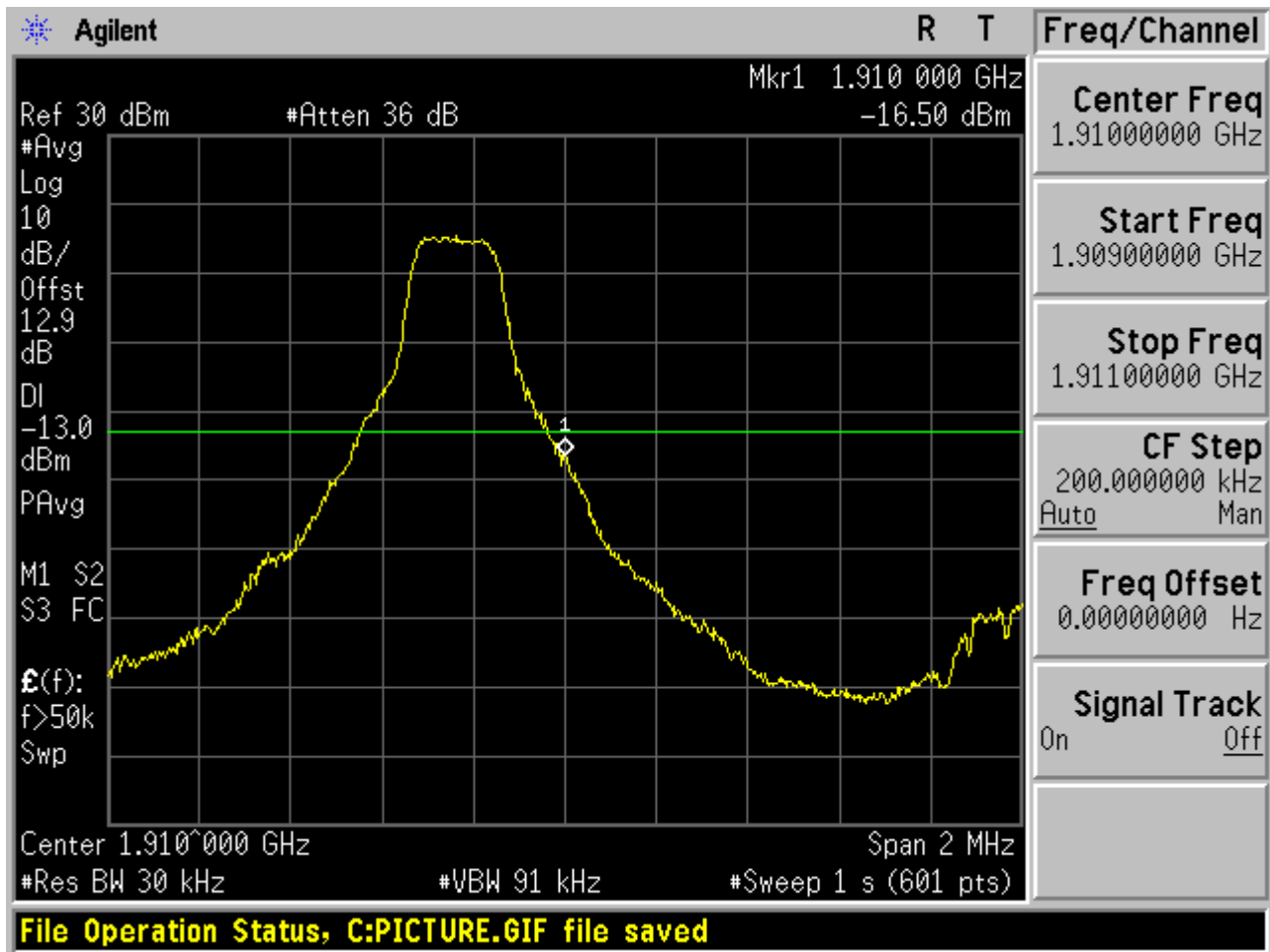
2.1.2.2 Channel= T

2.1.2.2.1 QPSK/1RB # 0



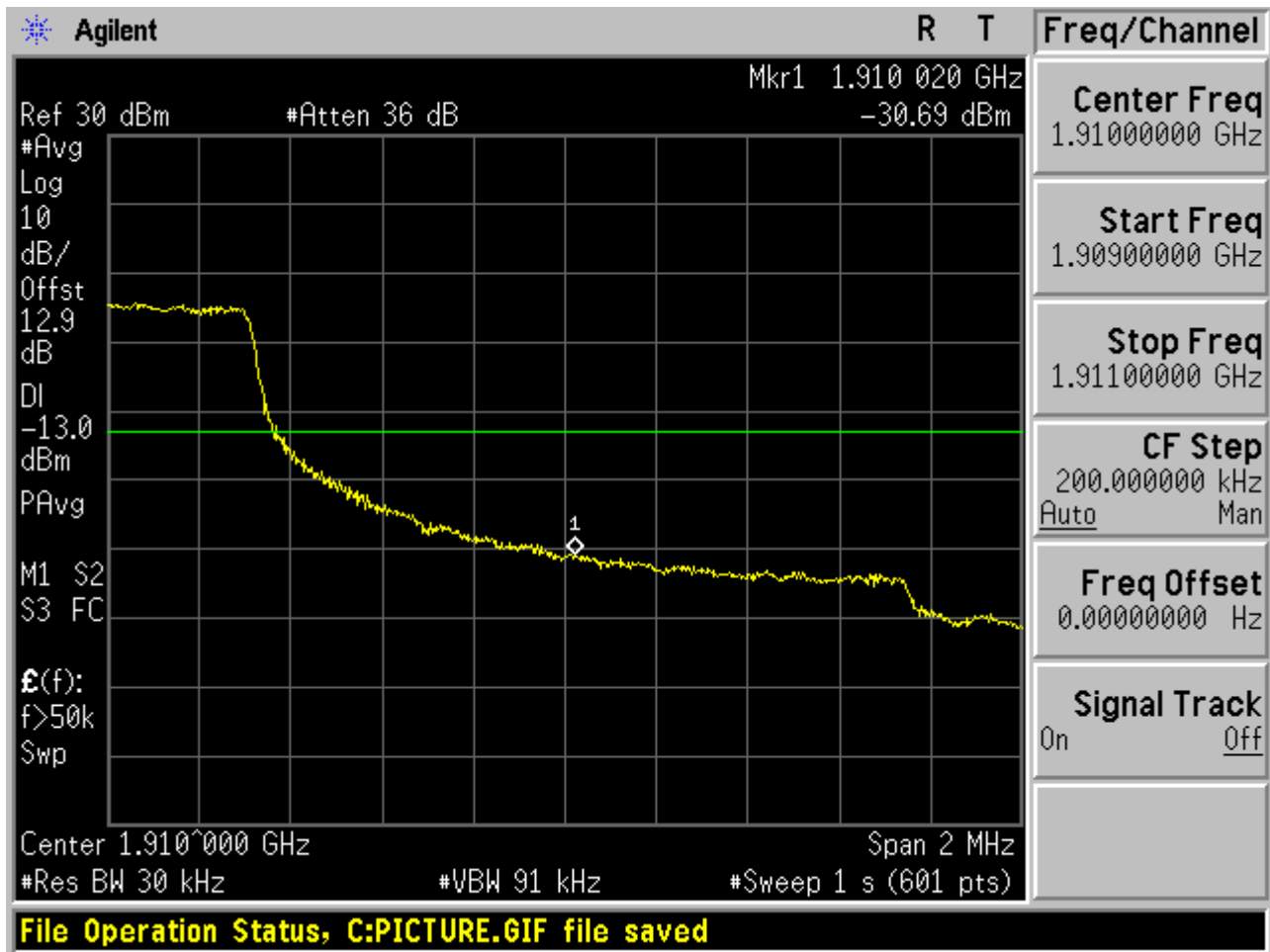


2.1.2.2.2 QPSK/1RB # max



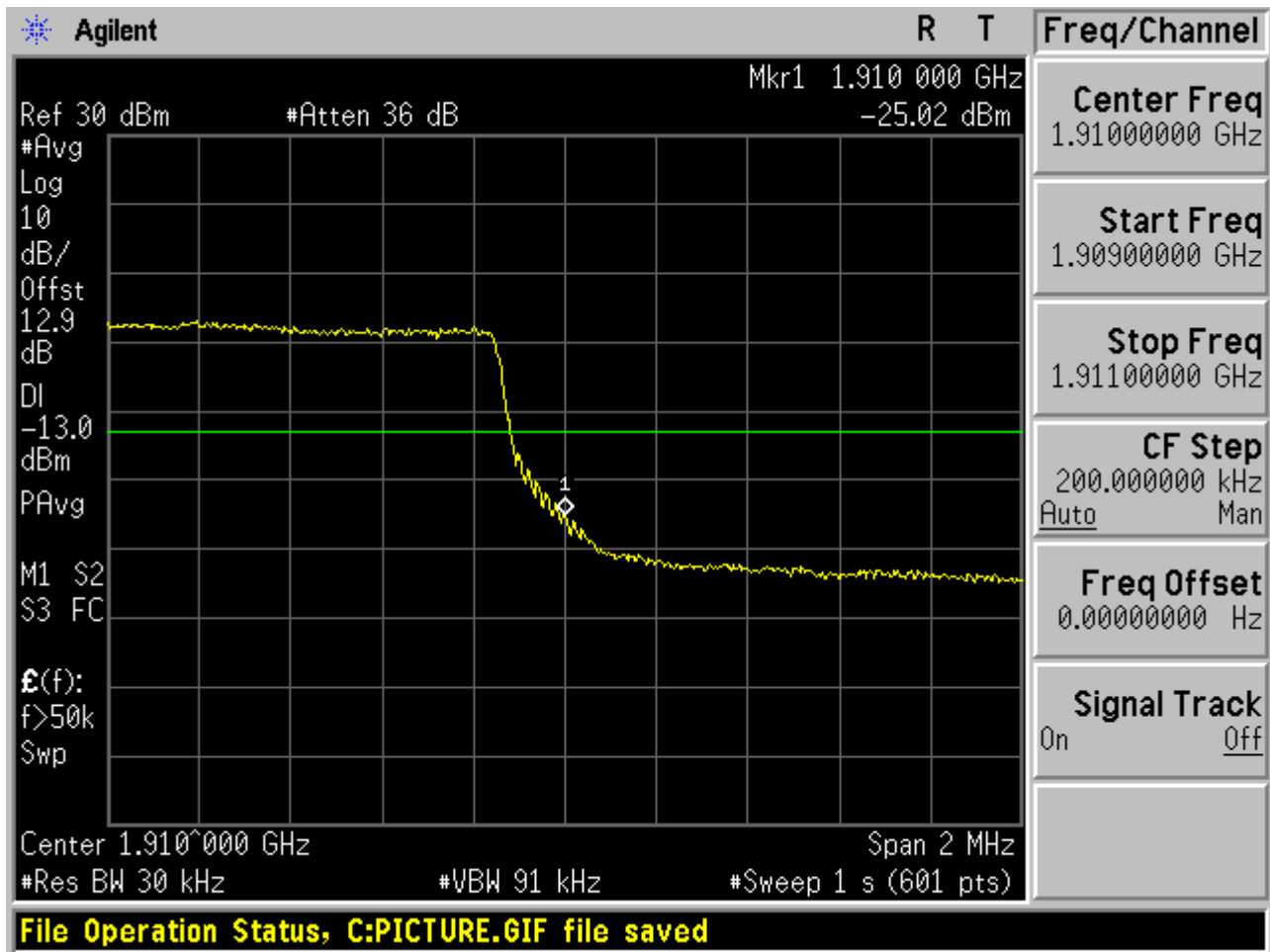


2.1.2.2.3 QPSK/non-1RB #mid/2





2.1.2.2.4 QPSK/full RBs

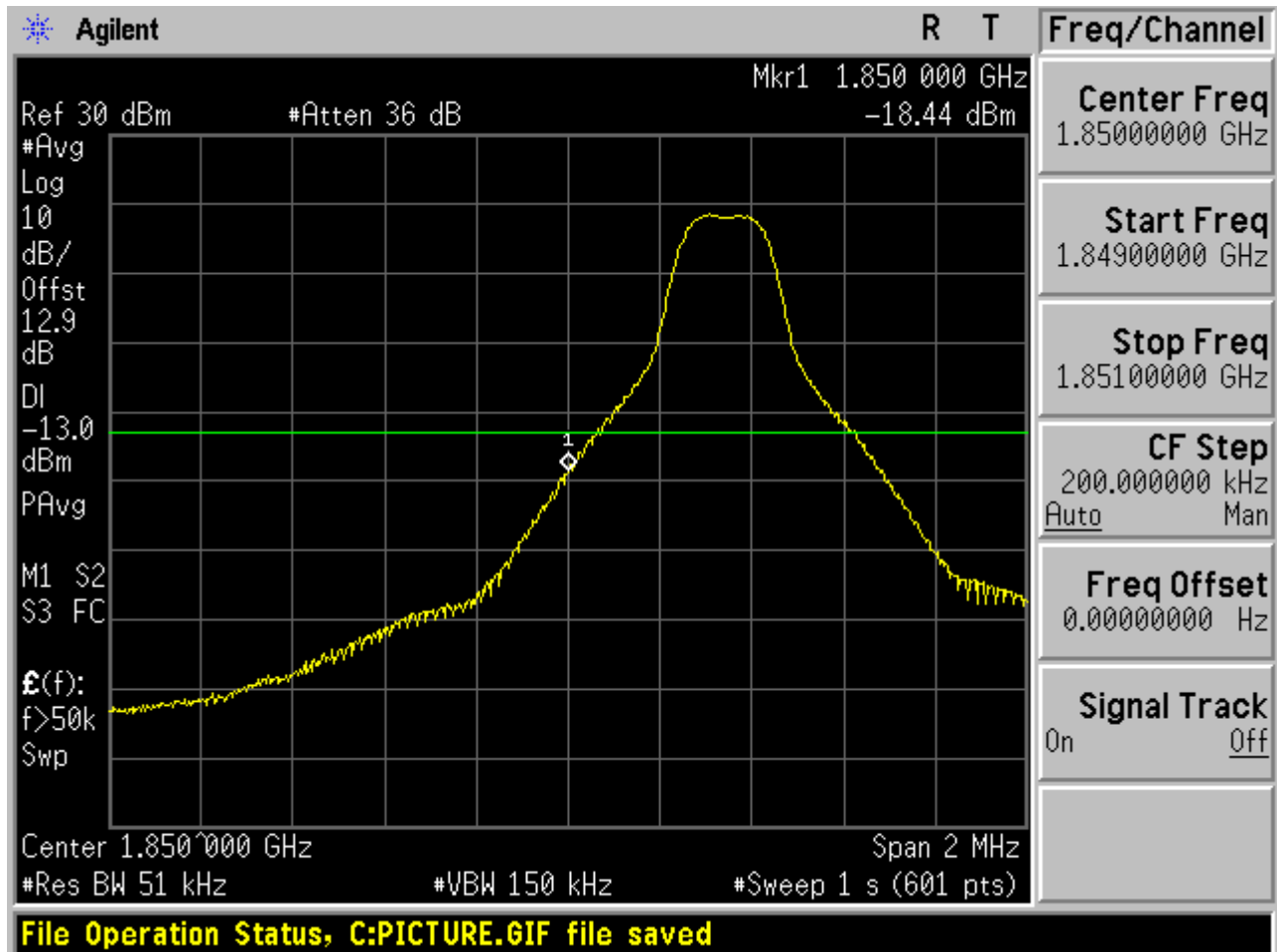




2.1.3 Channel Bandwidth = 5 MHz

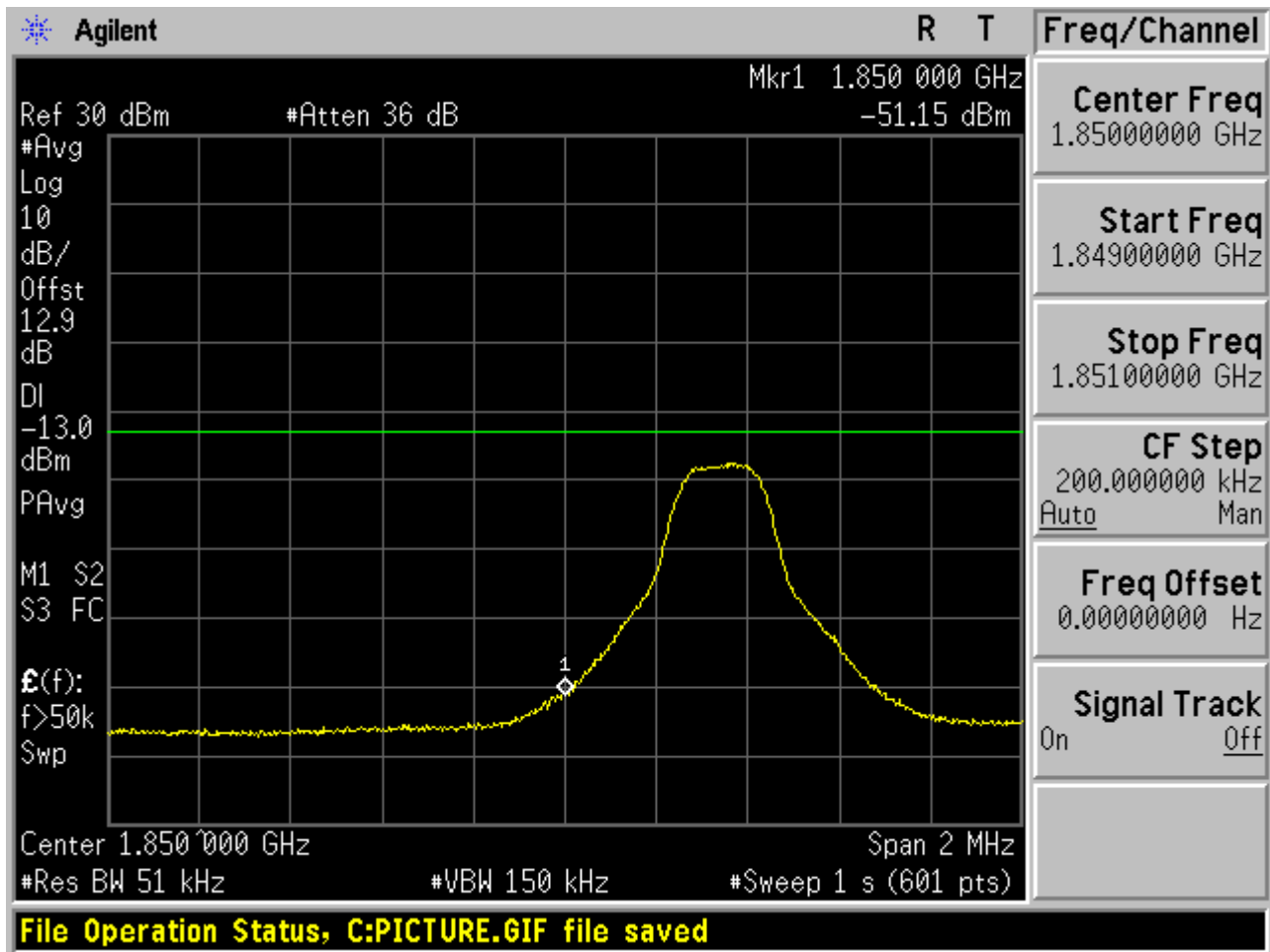
2.1.3.1 Channel= B

2.1.3.1.1 QPSK/1RB # 0



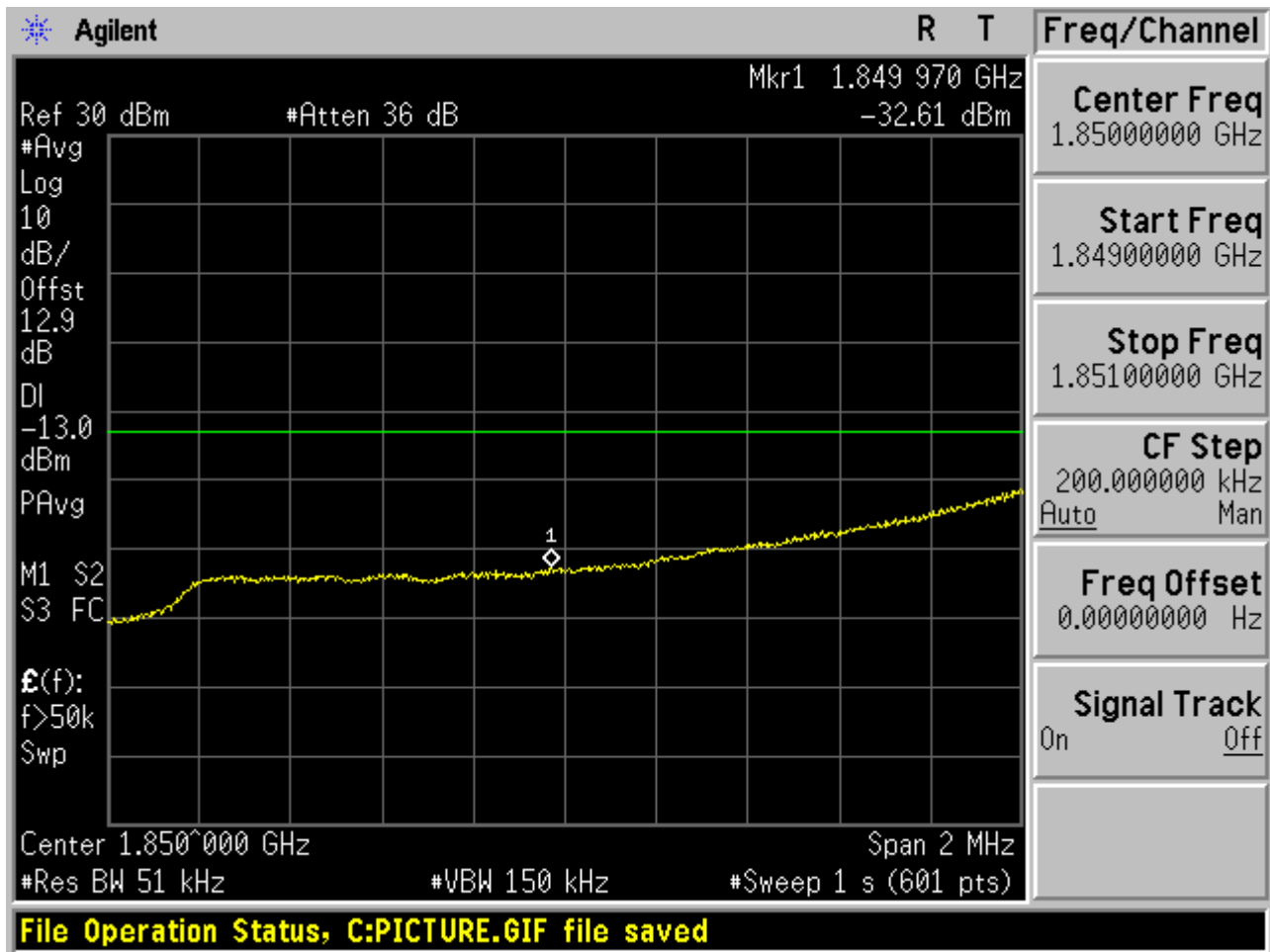


2.1.3.1.2 QPSK/1RB # max



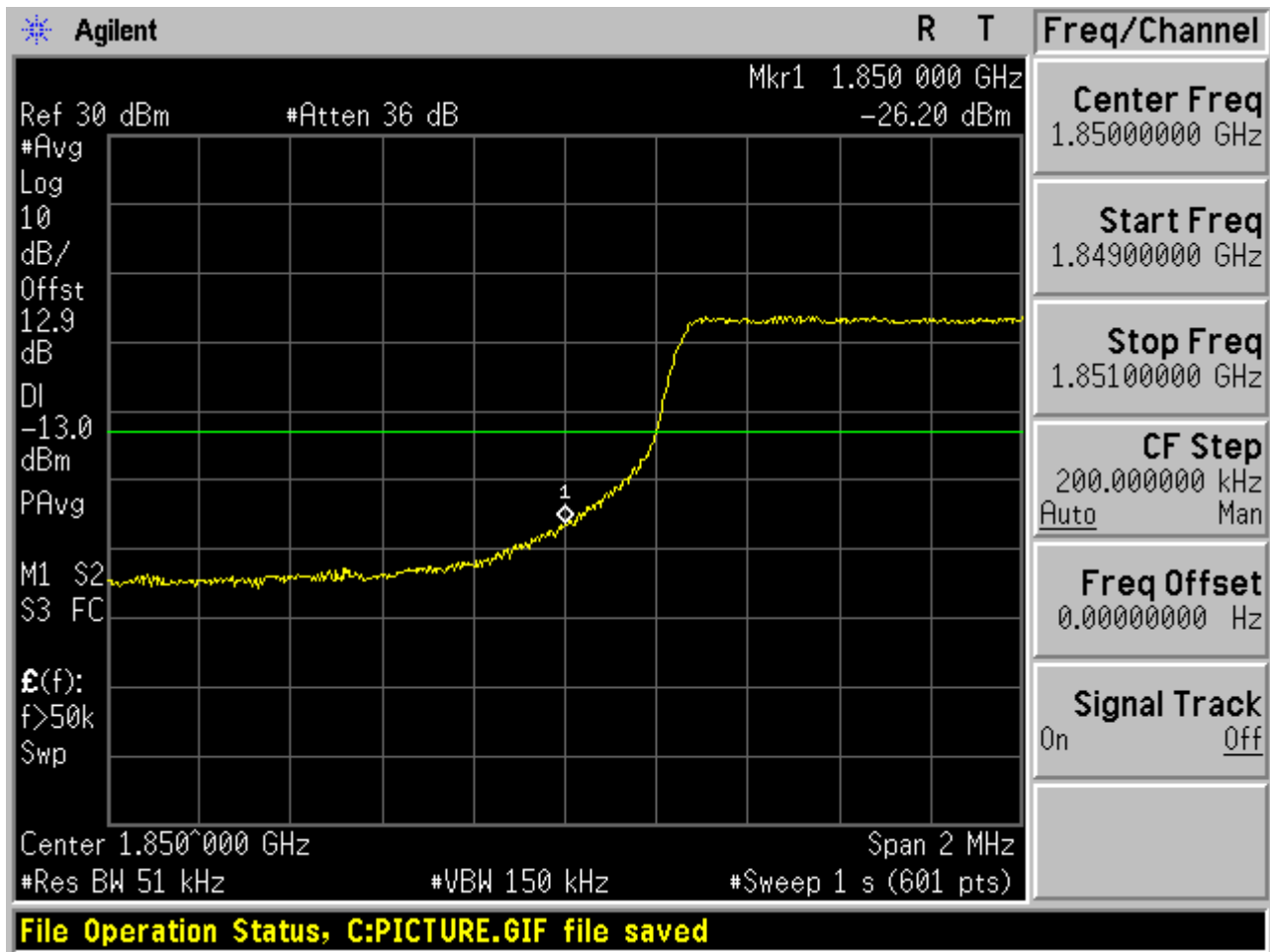


2.1.3.1.3 QPSK/non-1RB #mid/2





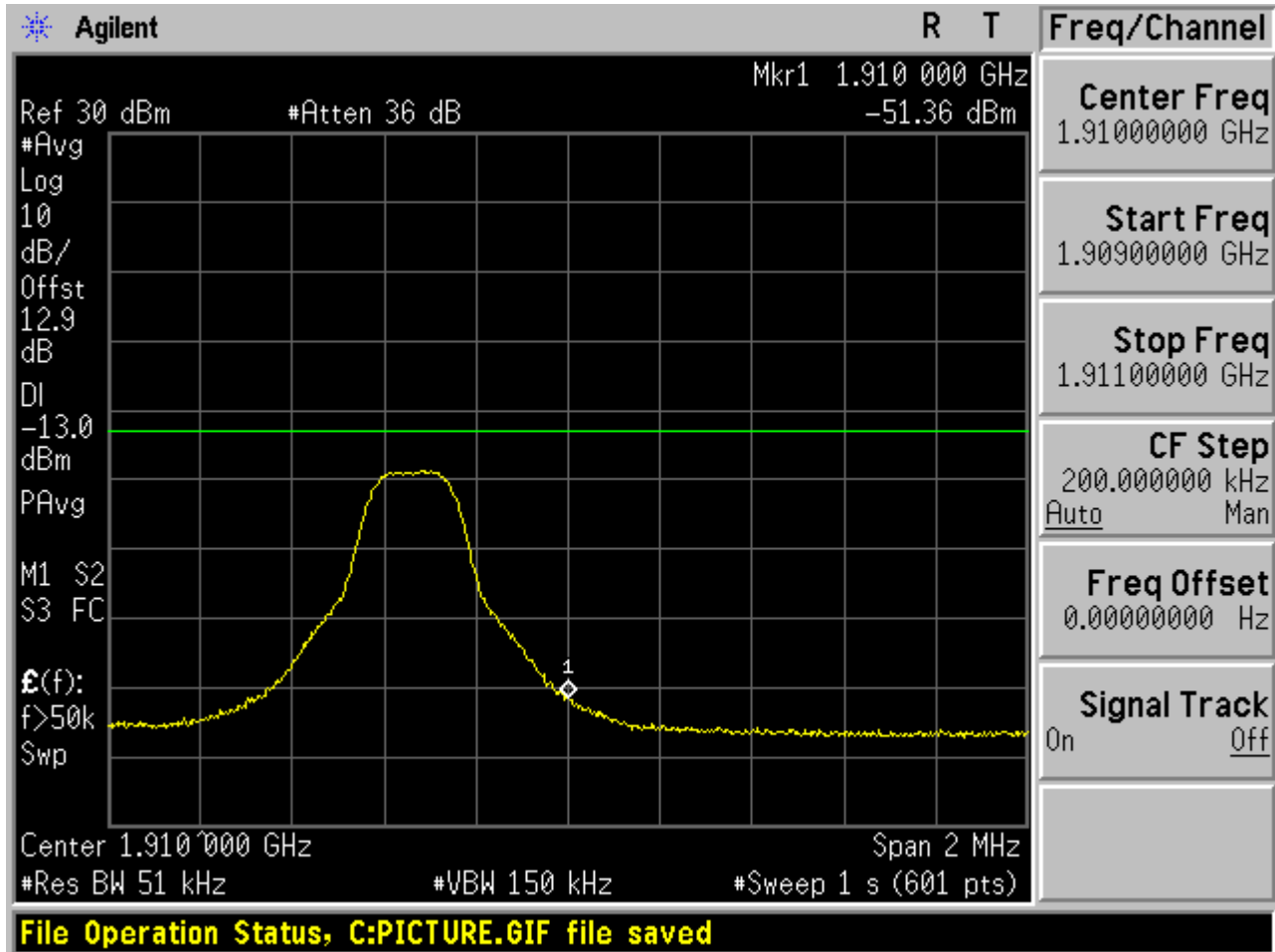
2.1.3.1.4 QPSK/full RBs





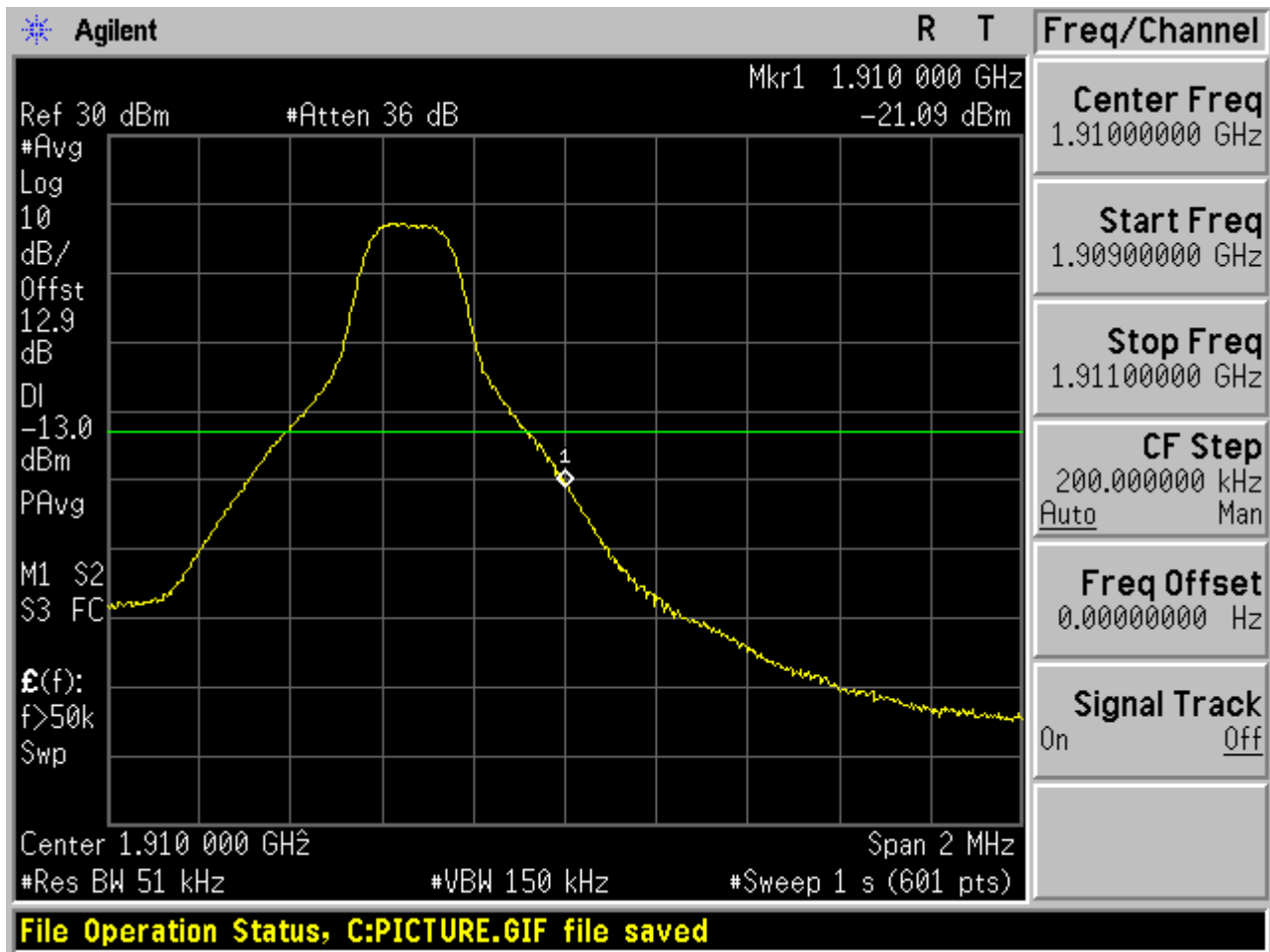
2.1.3.2 Channel= T

2.1.3.2.1 QPSK/1RB # 0



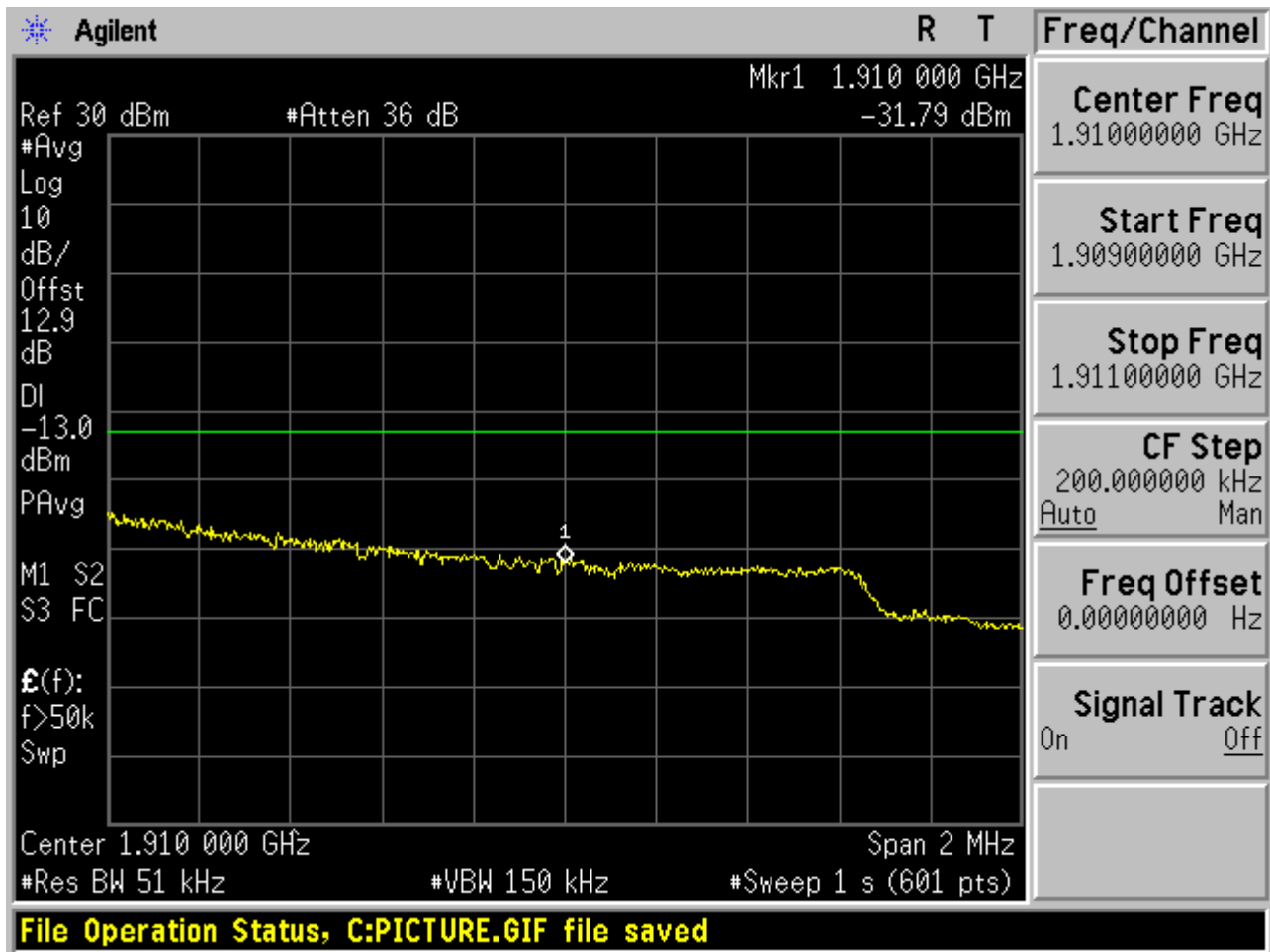


2.1.3.2.2 QPSK/1RB # max



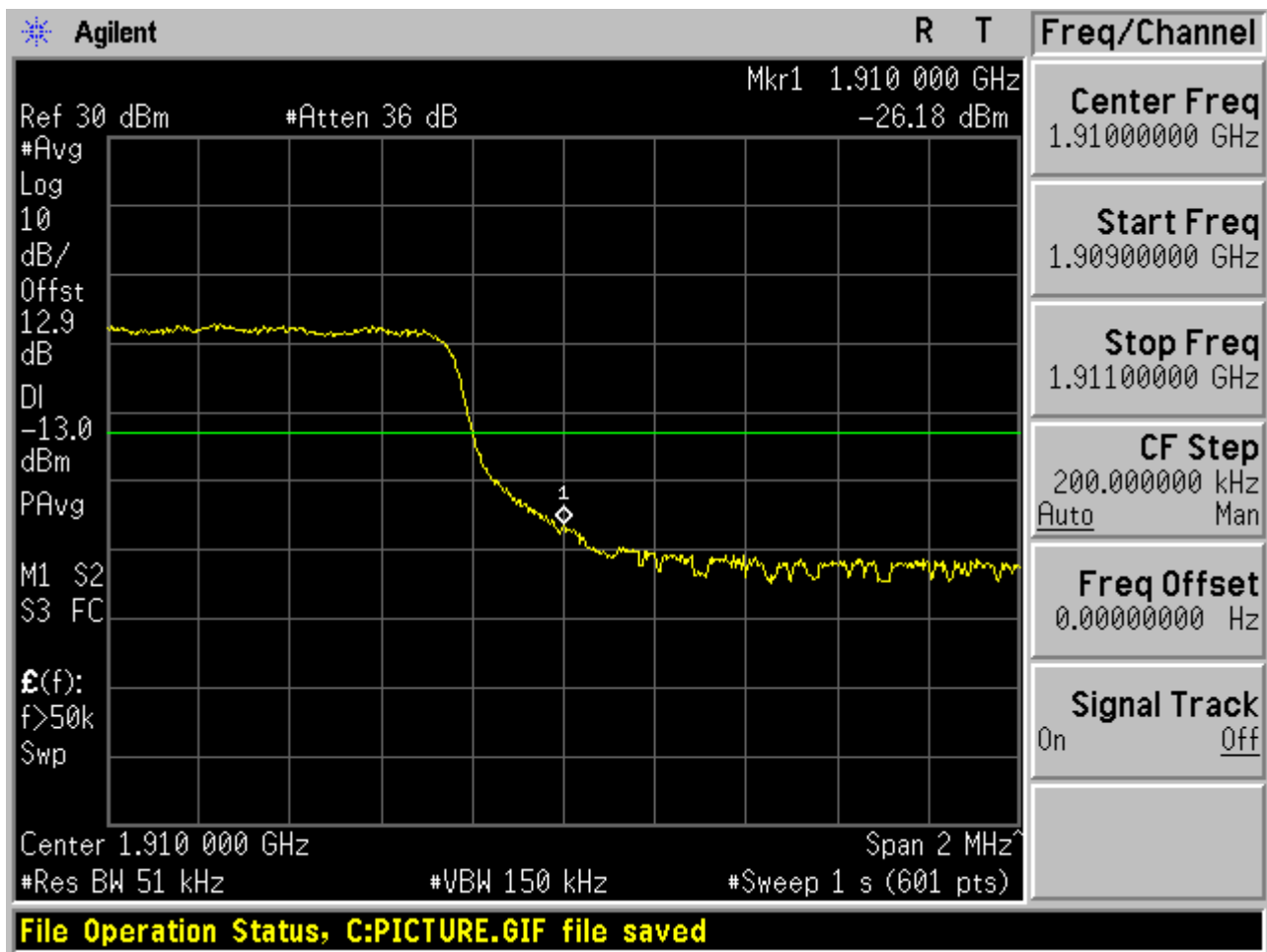


2.1.3.2.3 QPSK/non-1RB #mid/2





2.1.3.2.4 QPSK/full RBs

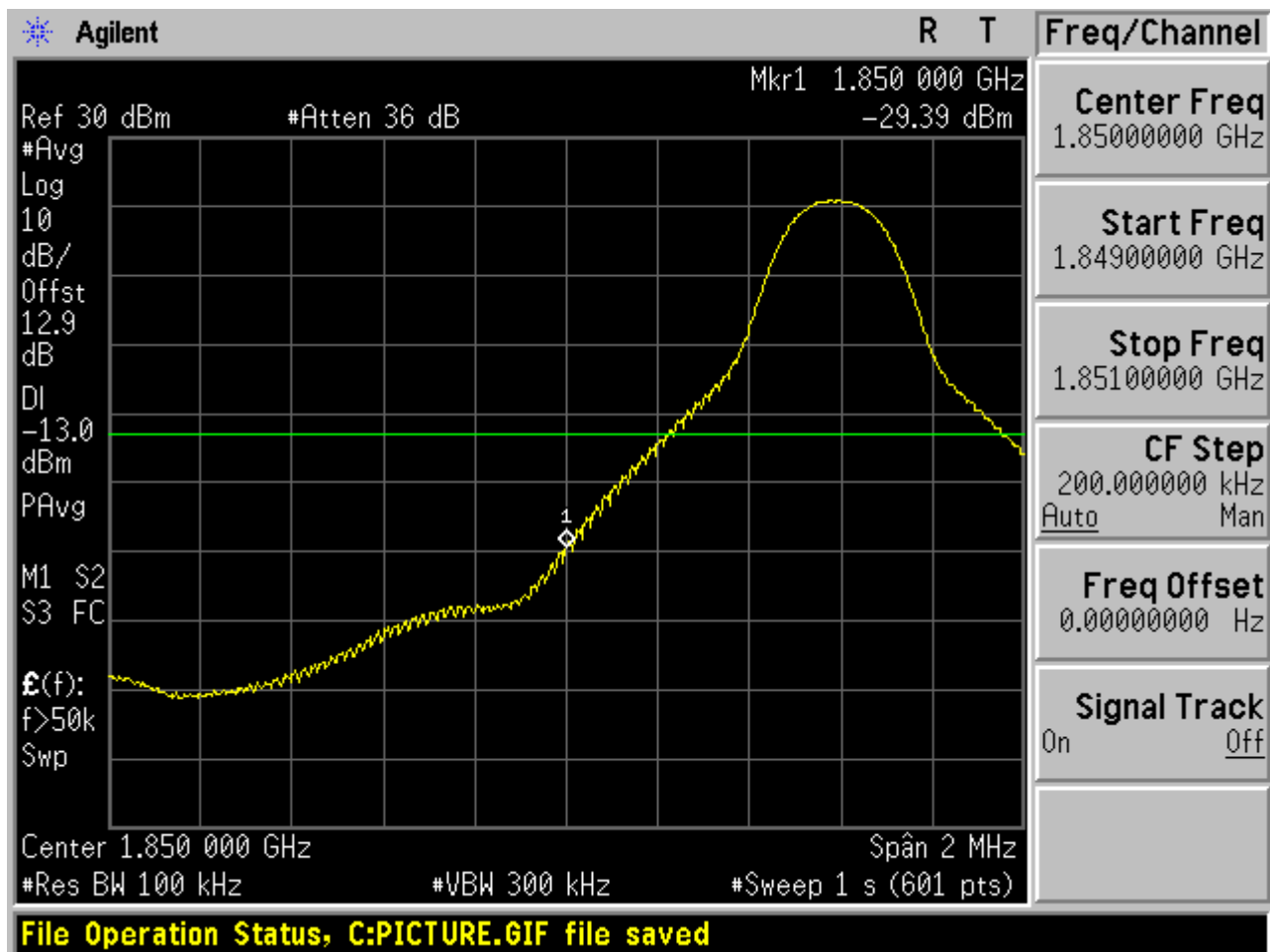




2.1.4 Channel Bandwidth = 10 MHz

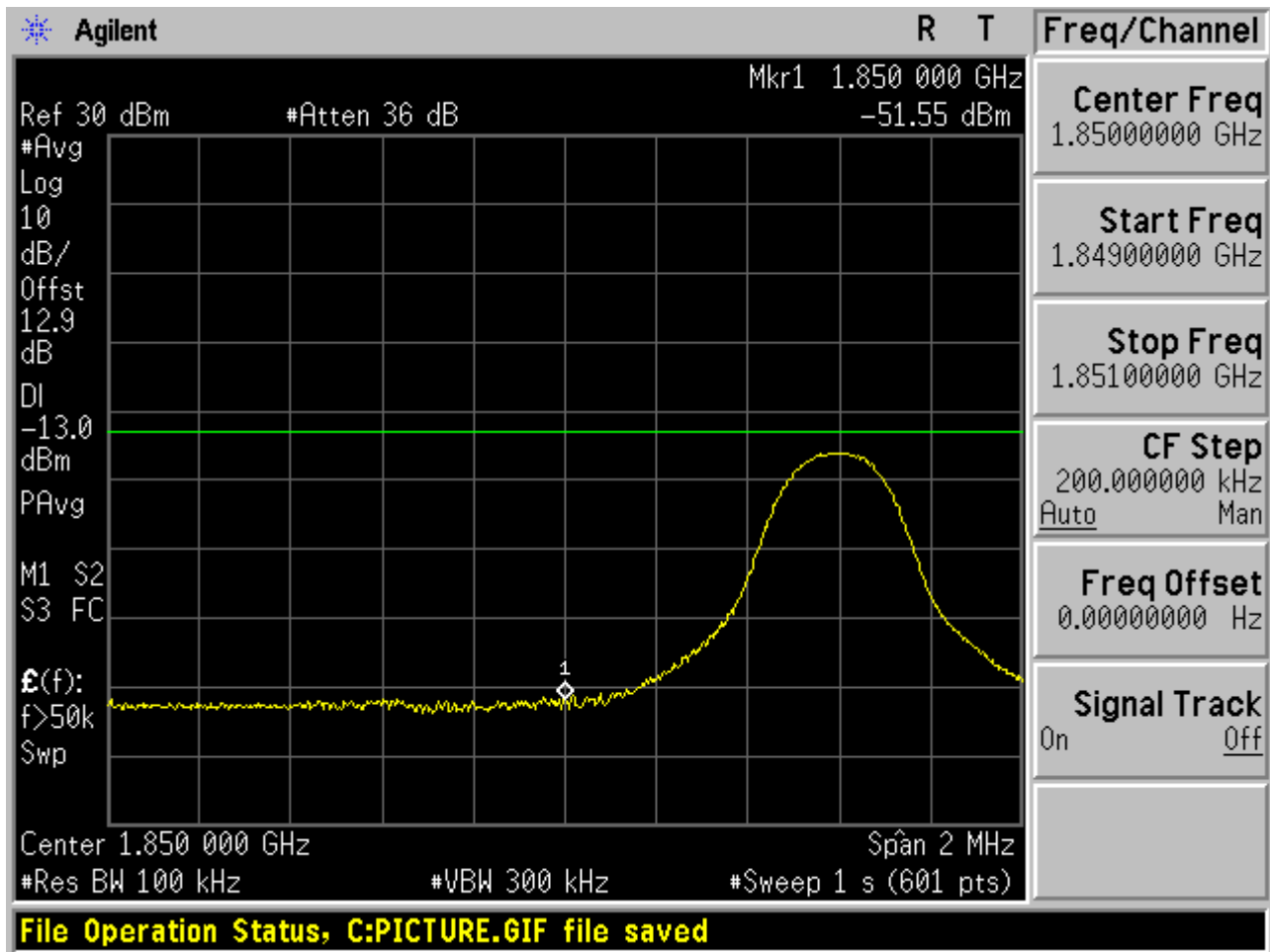
2.1.4.1 Channel= B

2.1.4.1.1 QPSK/1RB # 0



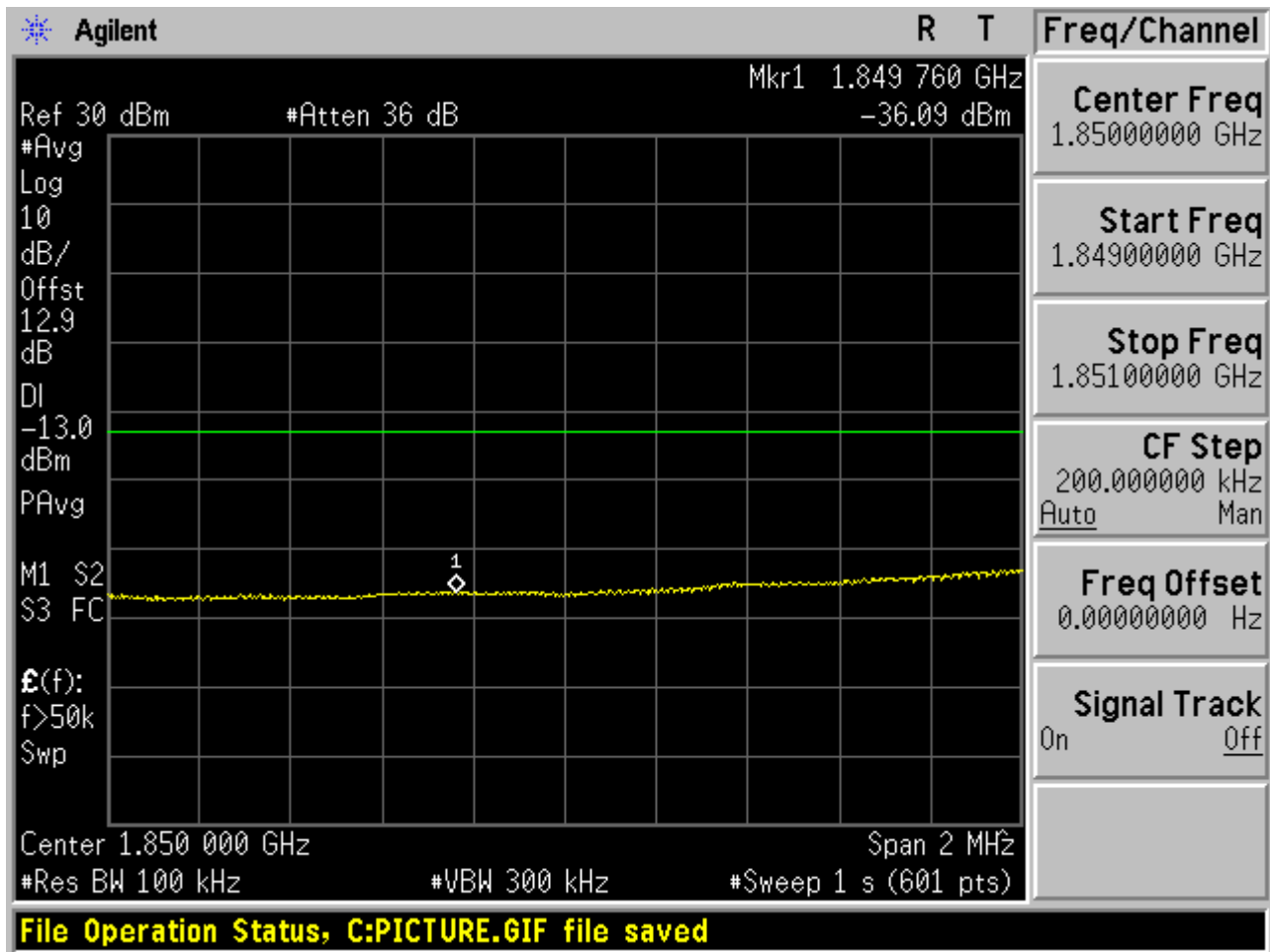


2.1.4.1.2 QPSK/1RB # max



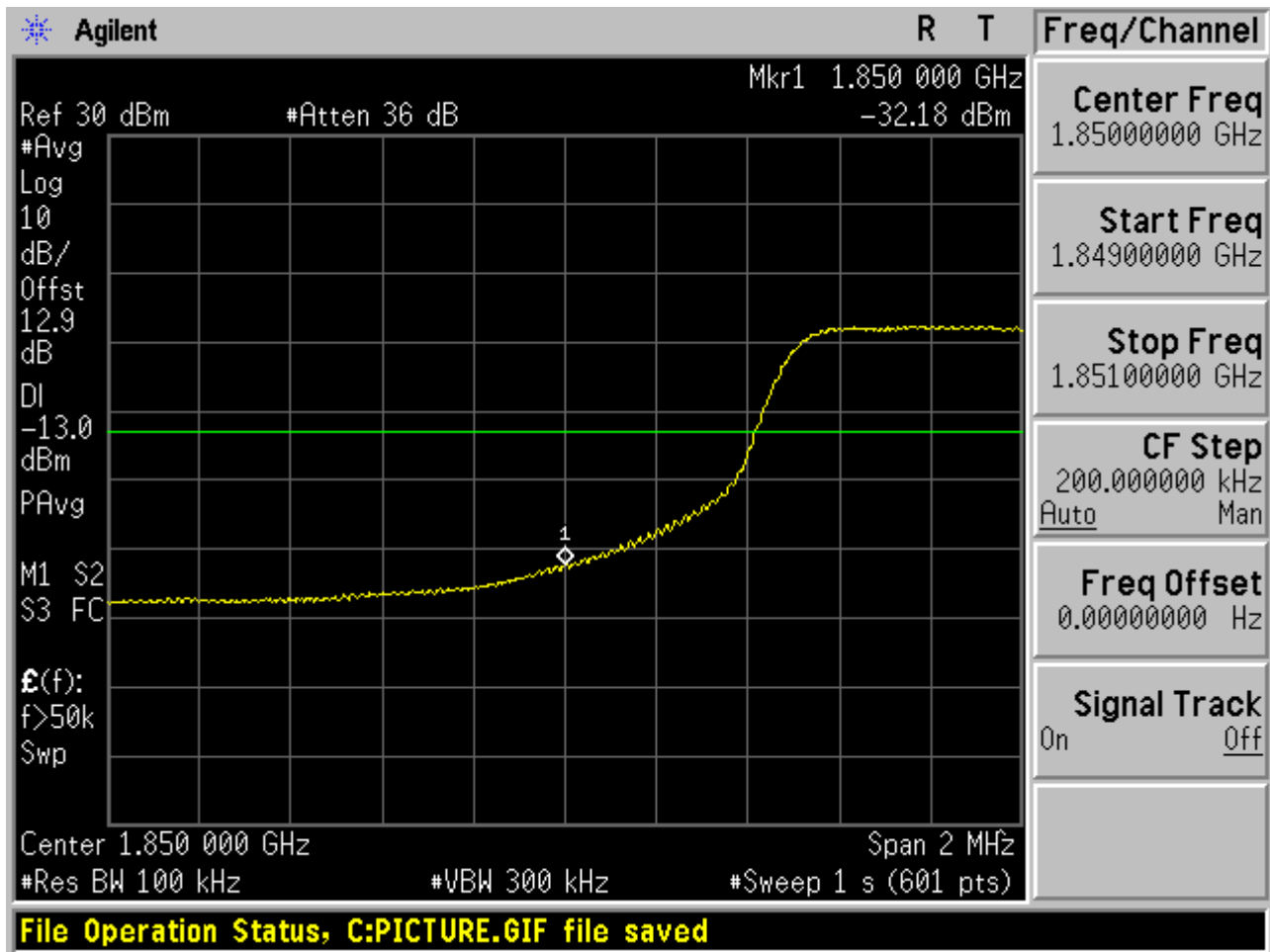


2.1.4.1.3 QPSK/non-1RB #mid/2





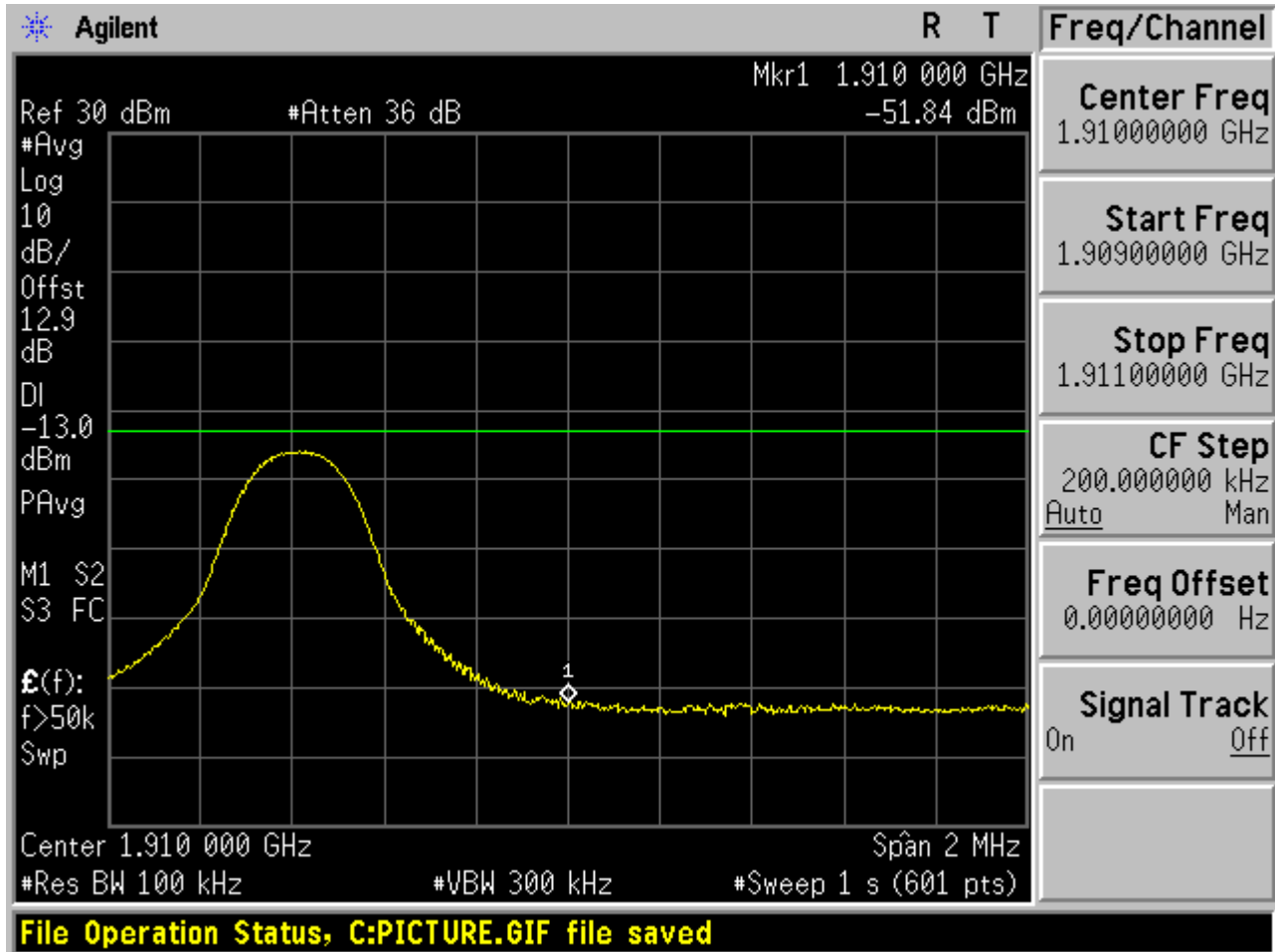
2.1.4.1.4 QPSK/full RBs





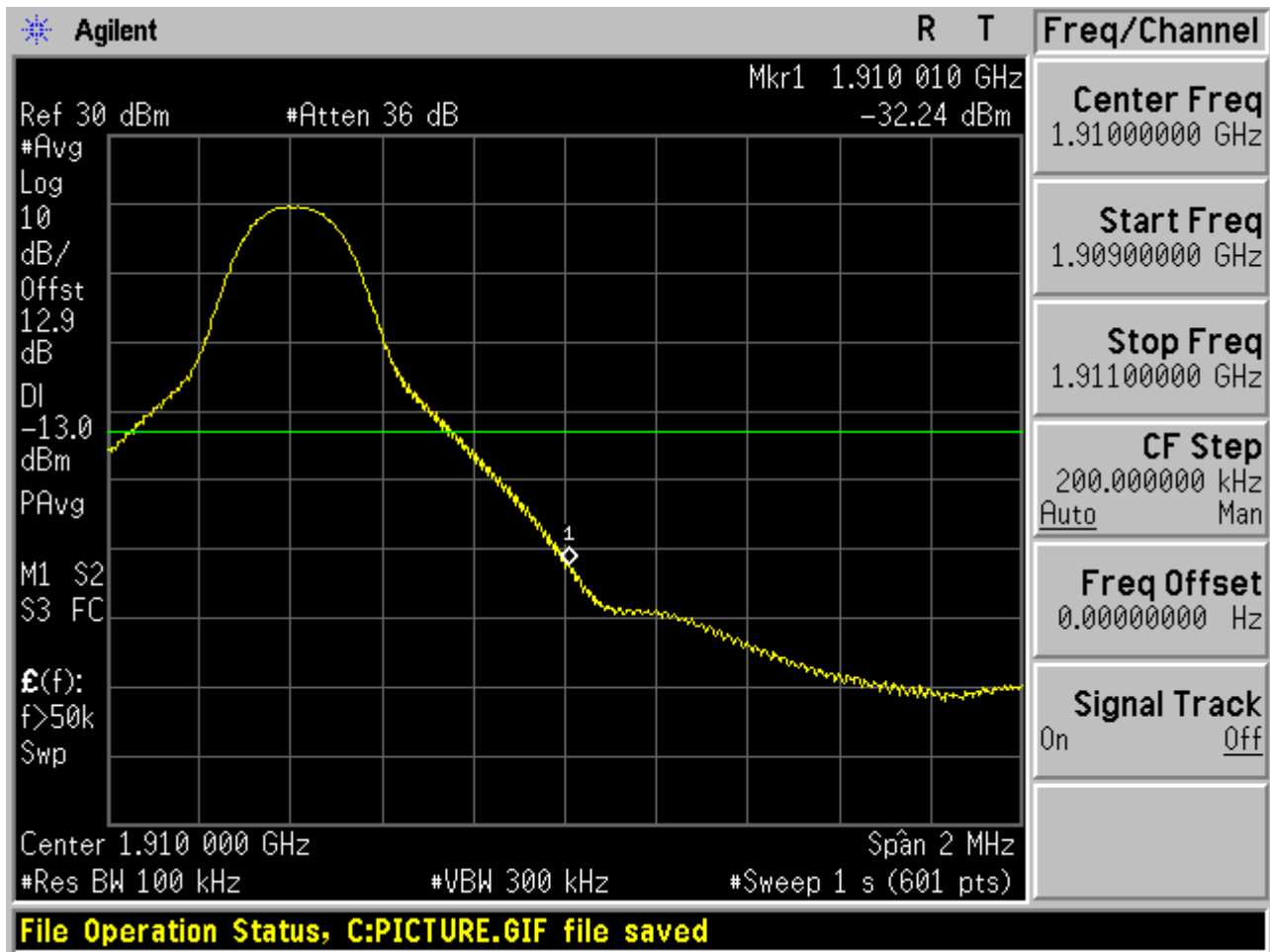
2.1.4.2 Channel= T

2.1.4.2.1 QPSK/1RB # 0



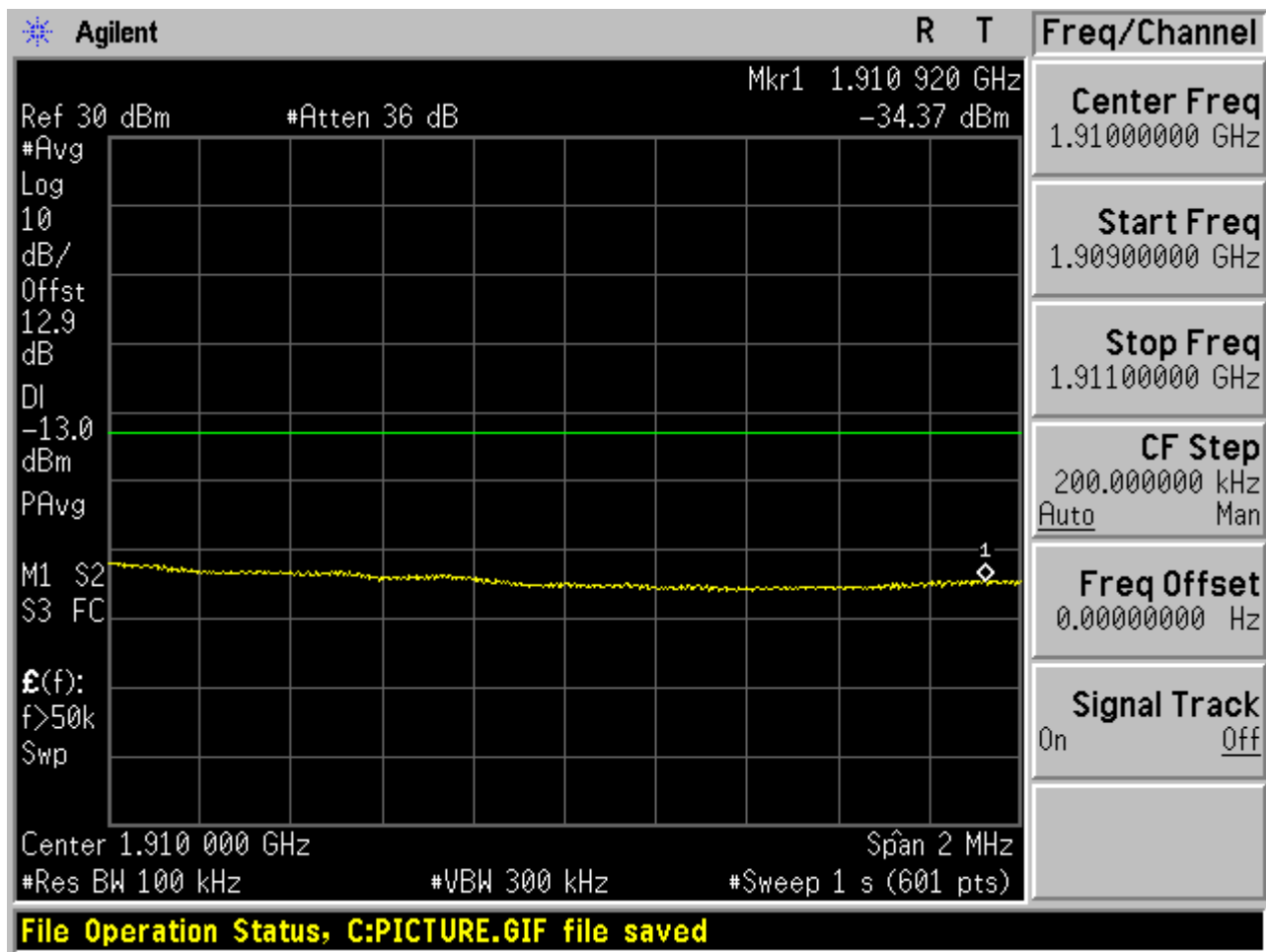


2.1.4.2.2 QPSK/1RB # max



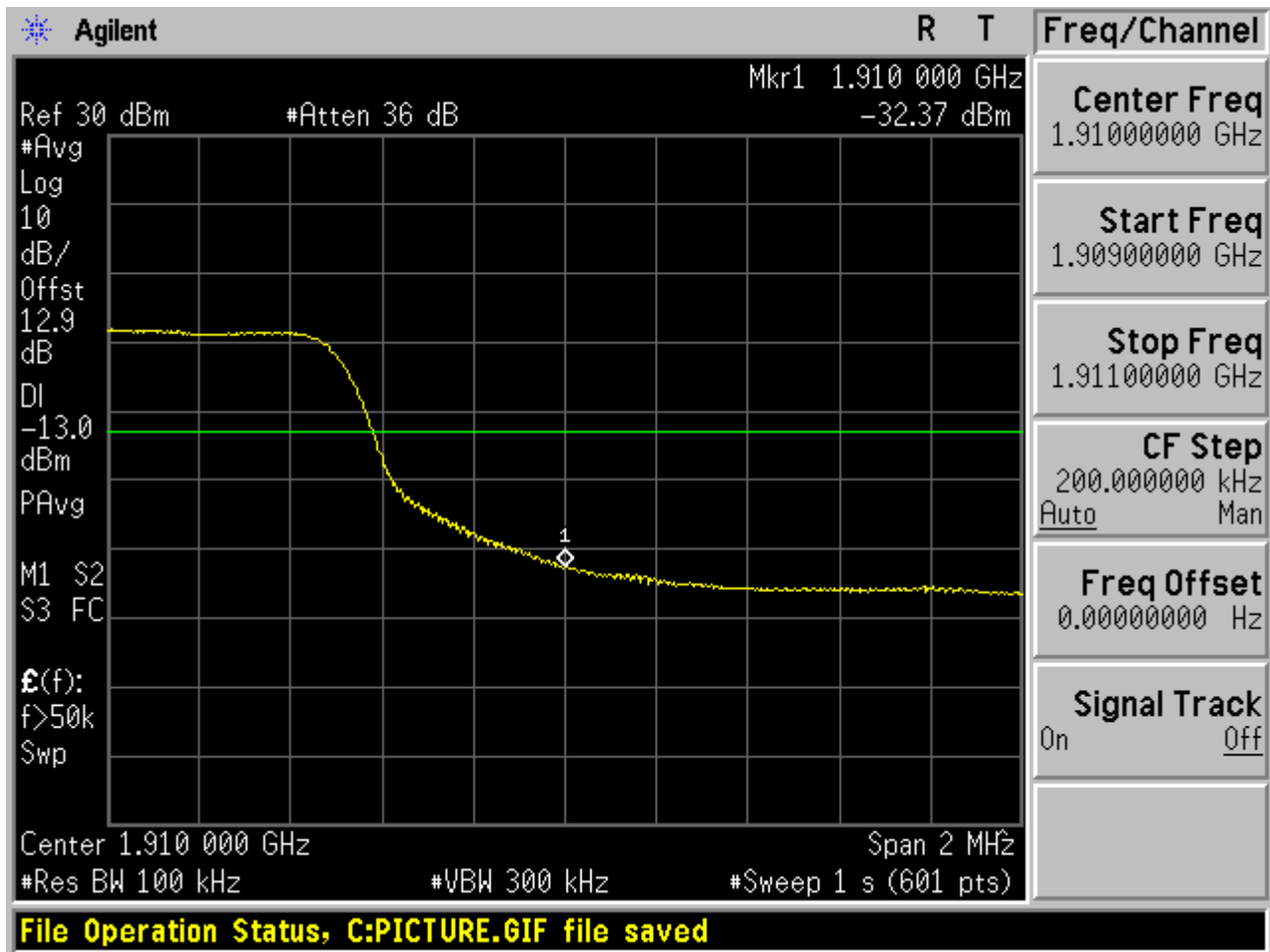


2.1.4.2.3 QPSK/non-1RB #mid/2





2.1.4.2.4 QPSK/full RBs

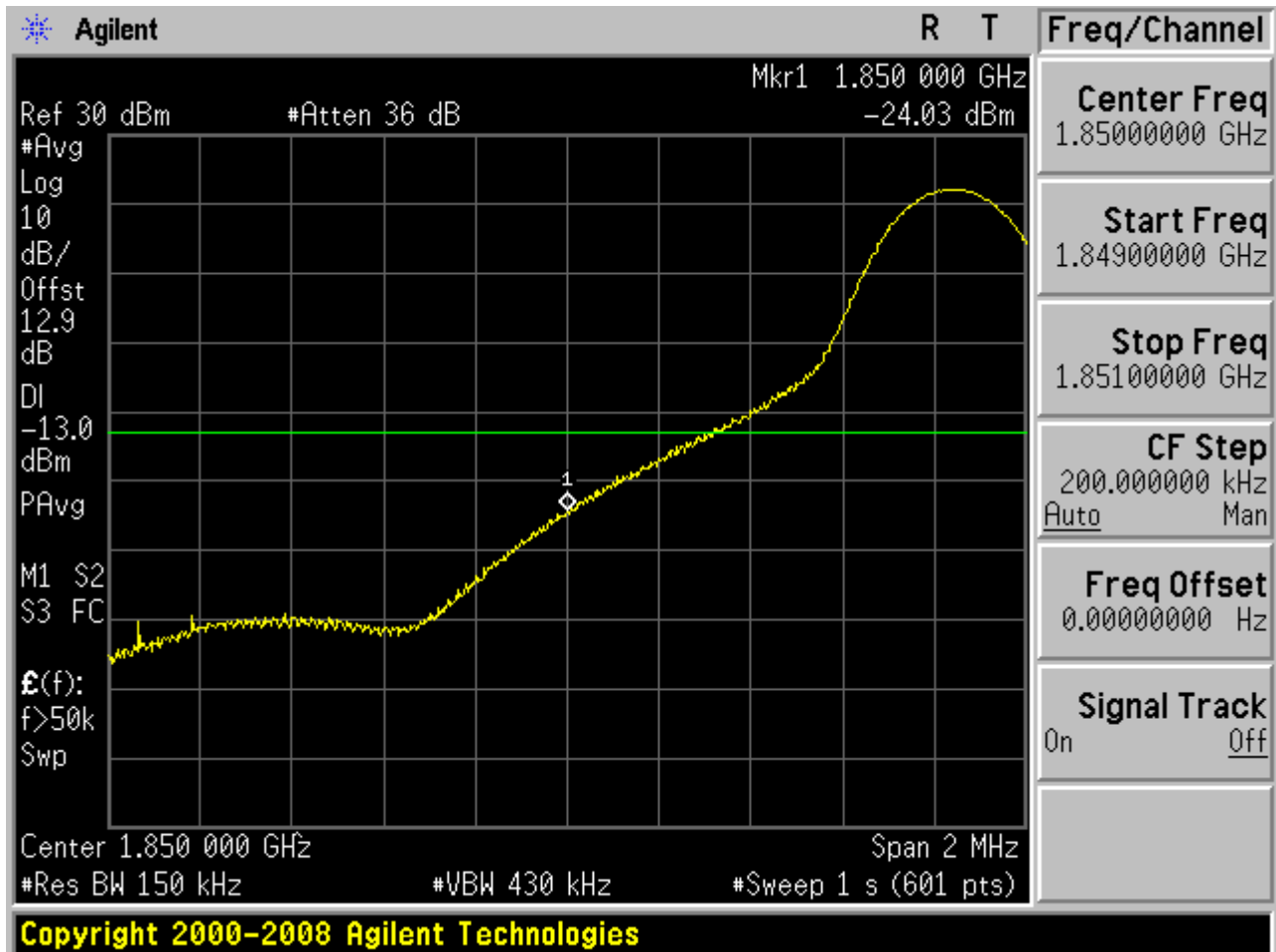




2.1.5 Channel Bandwidth = 15 MHz

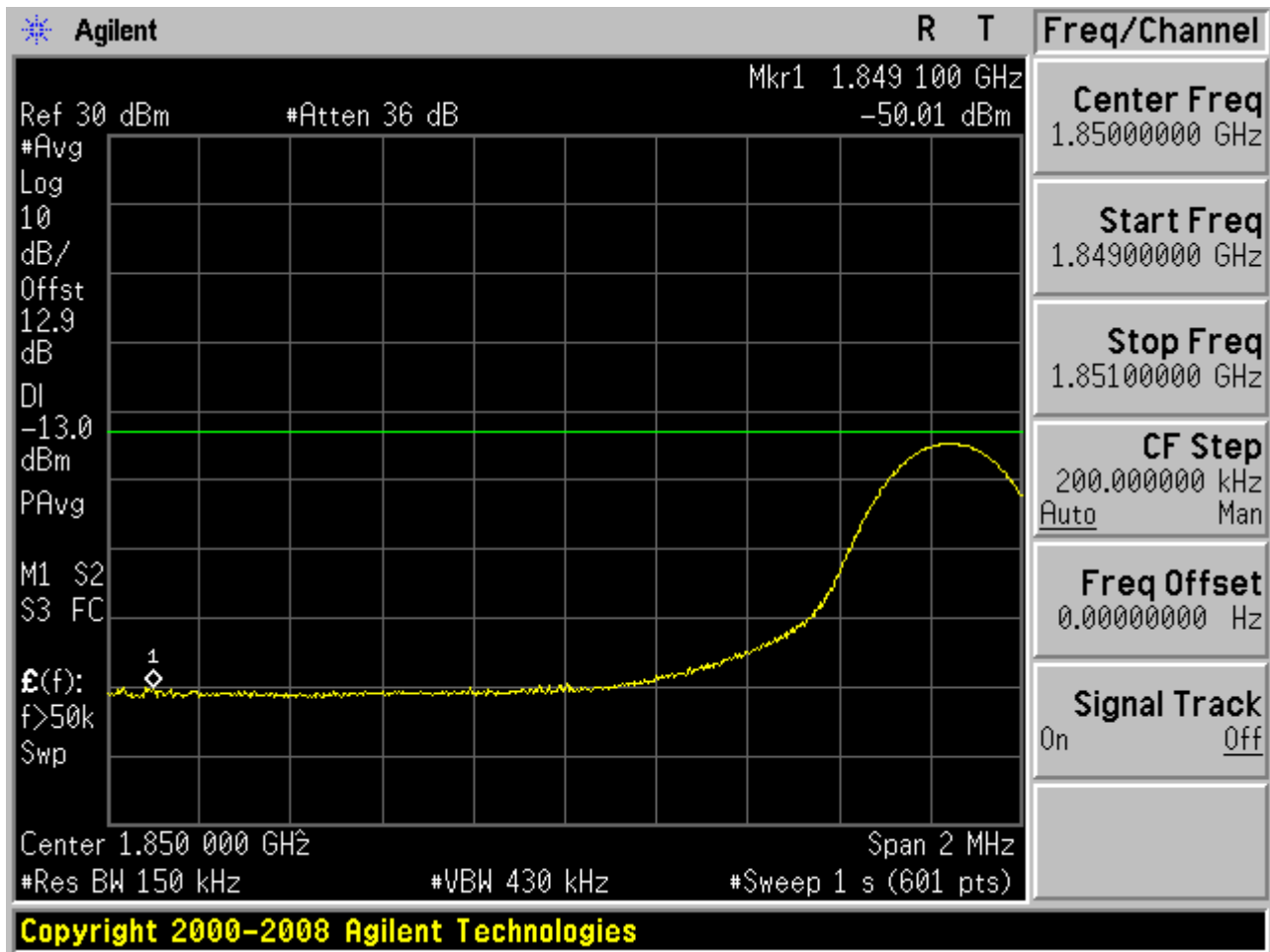
2.1.5.1 Channel= B

2.1.5.1.1 QPSK/1RB # 0



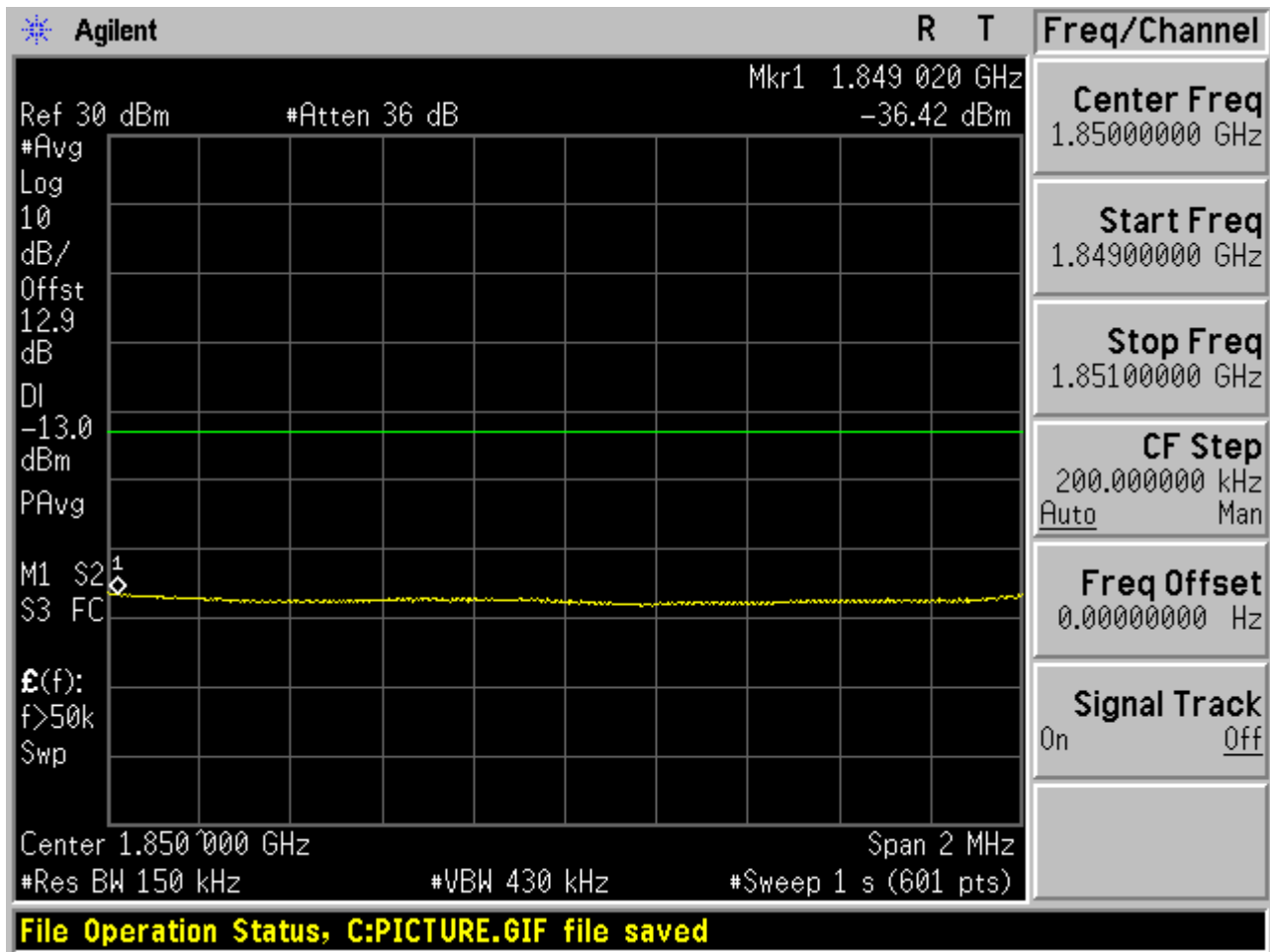


2.1.5.1.2 QPSK/1RB # max



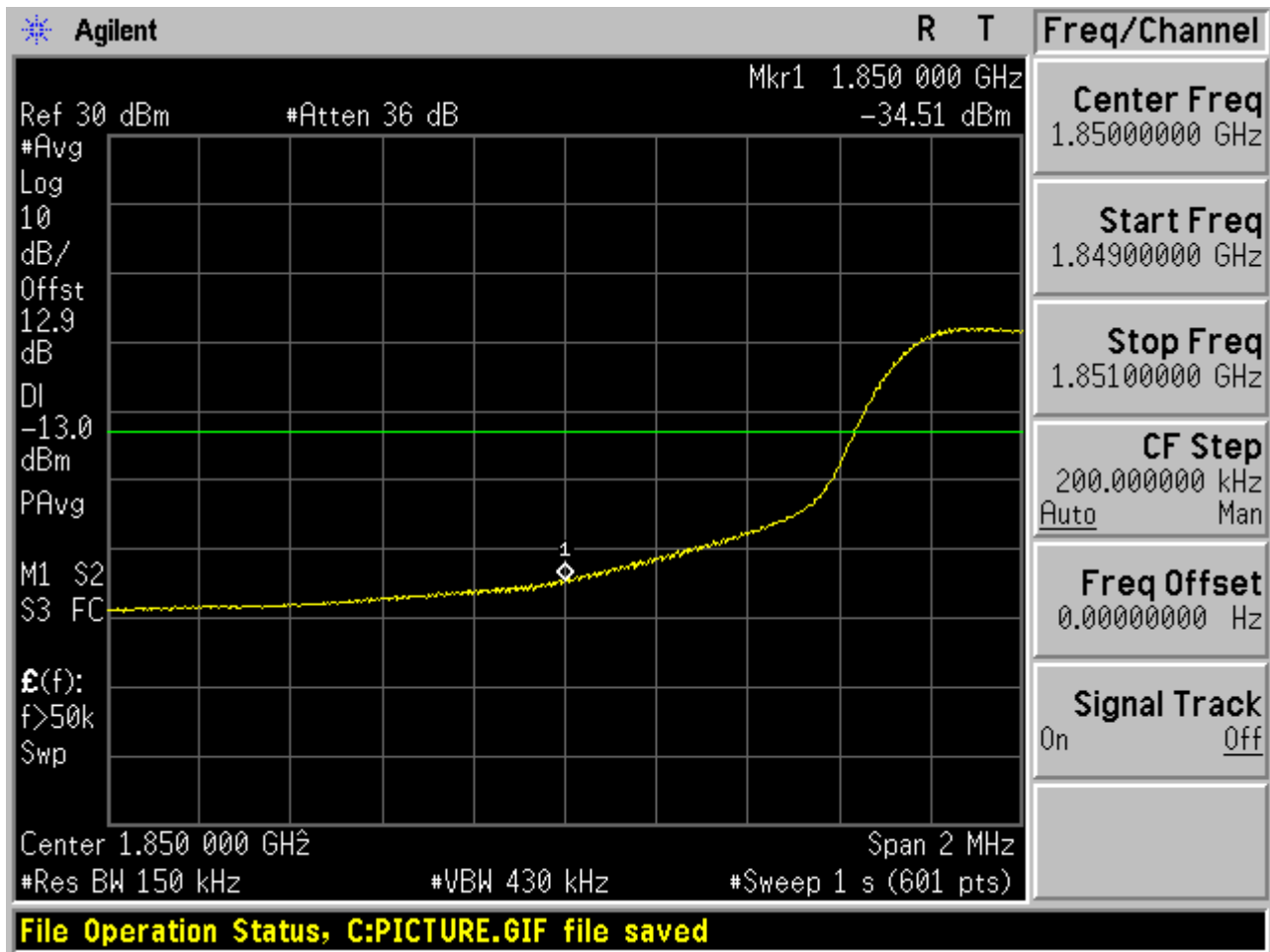


2.1.5.1.3 QPSK/non-1RB #mid/2





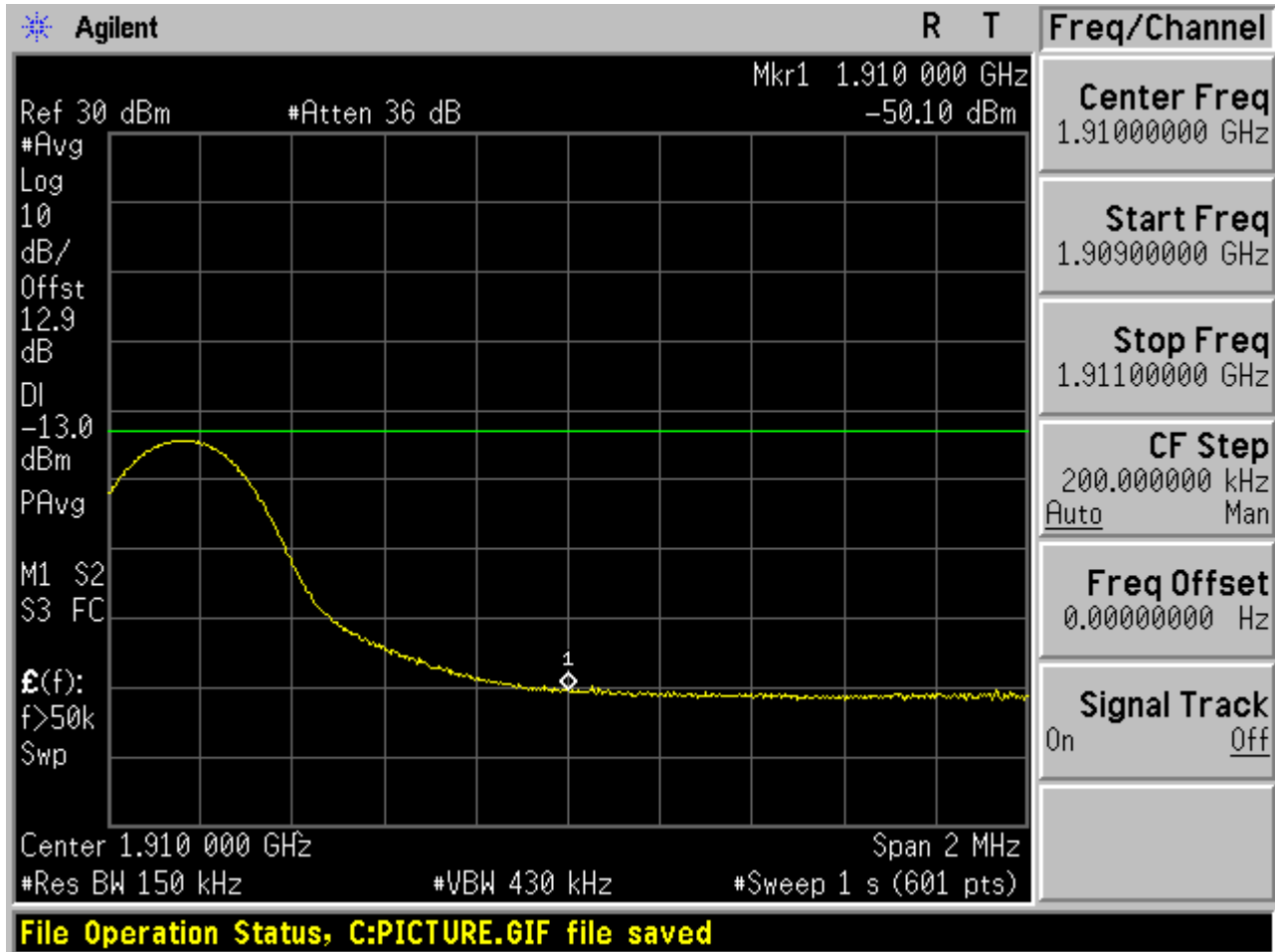
2.1.5.1.4 QPSK/full RBs





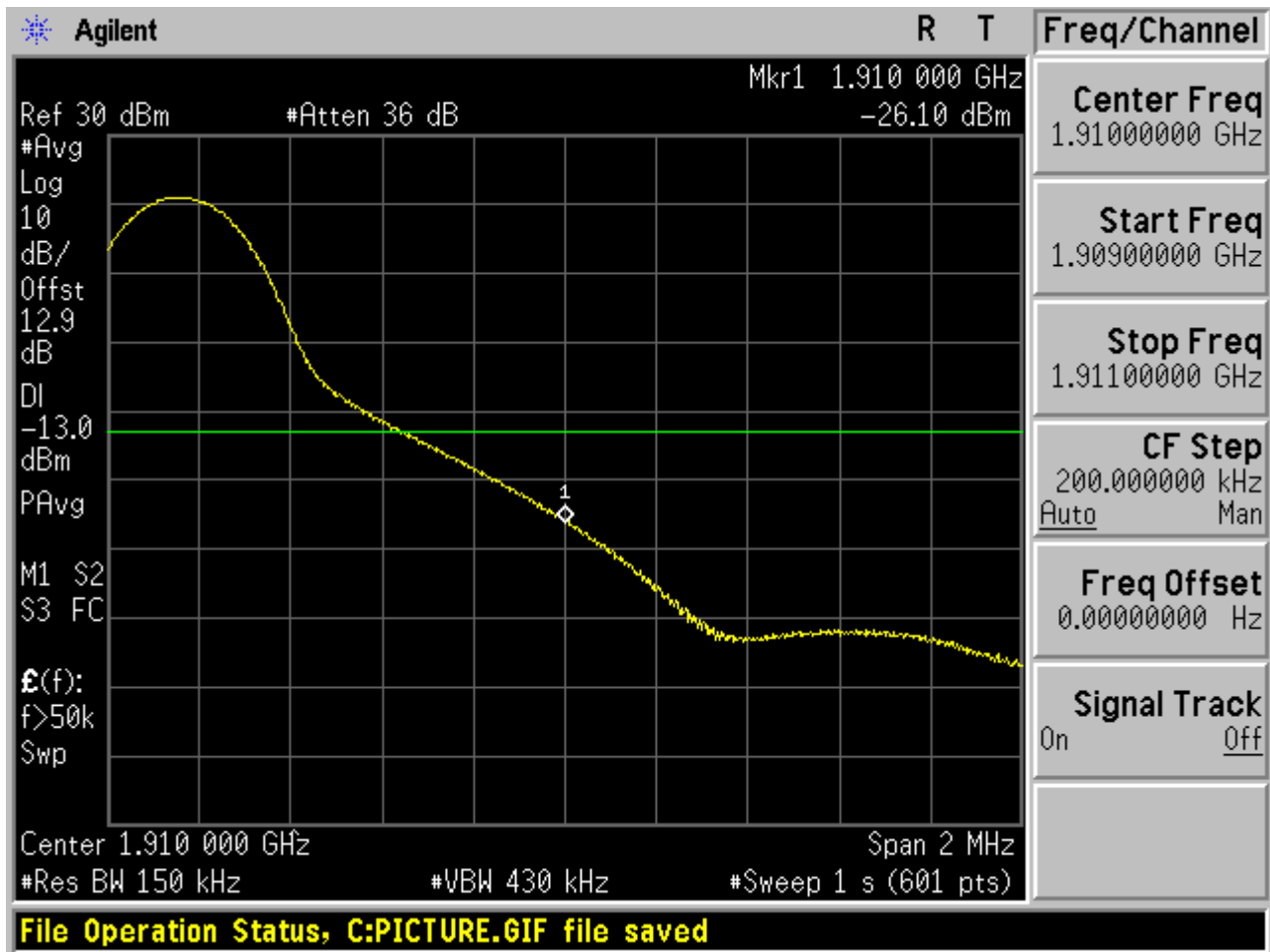
2.1.5.2 Channel= T

2.1.5.2.1 QPSK/1RB # 0



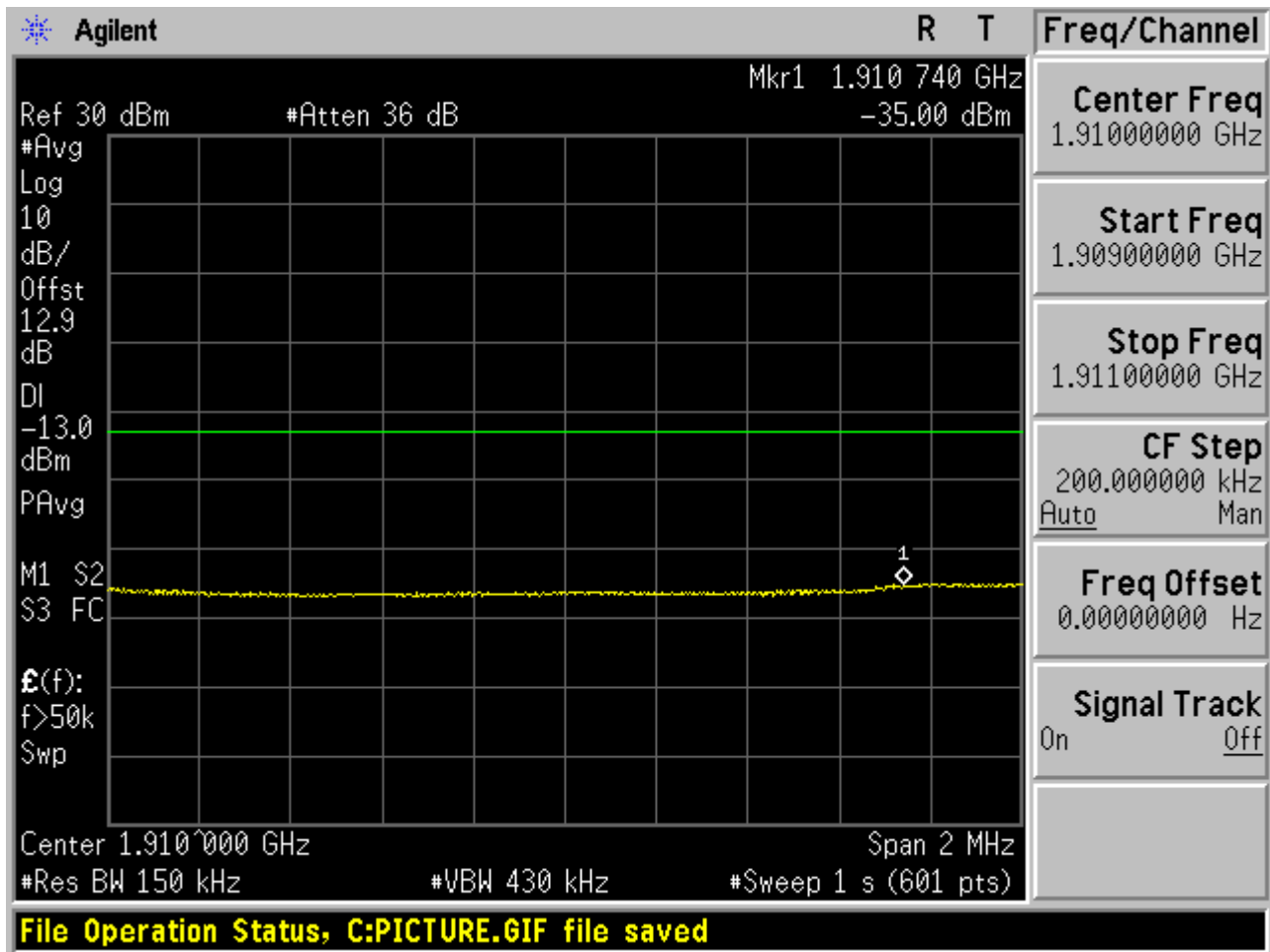


2.1.5.2.2 QPSK/1RB # max



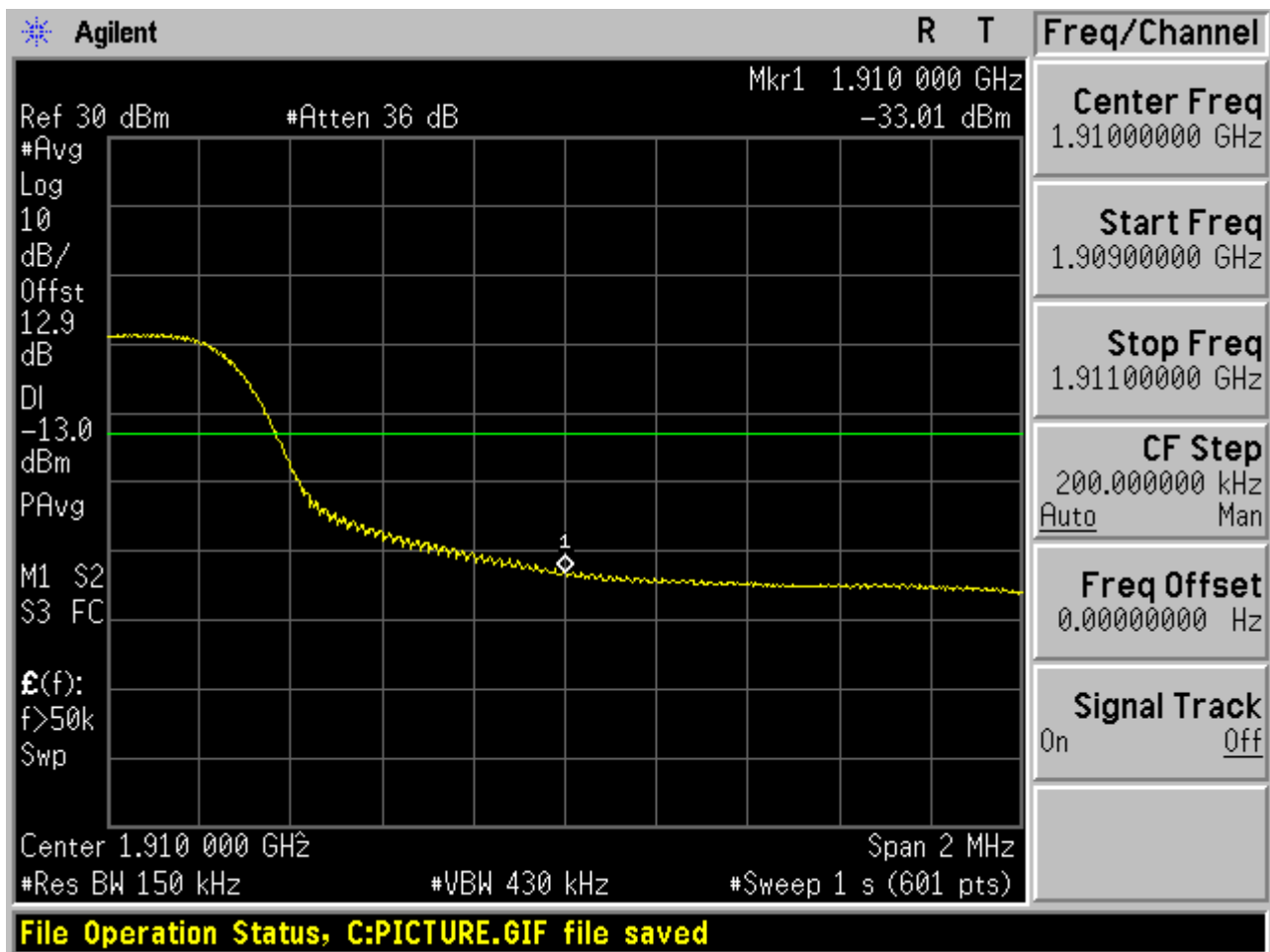


2.1.5.2.3 QPSK/non-1RB #mid/2





2.1.5.2.4 QPSK/full RBs

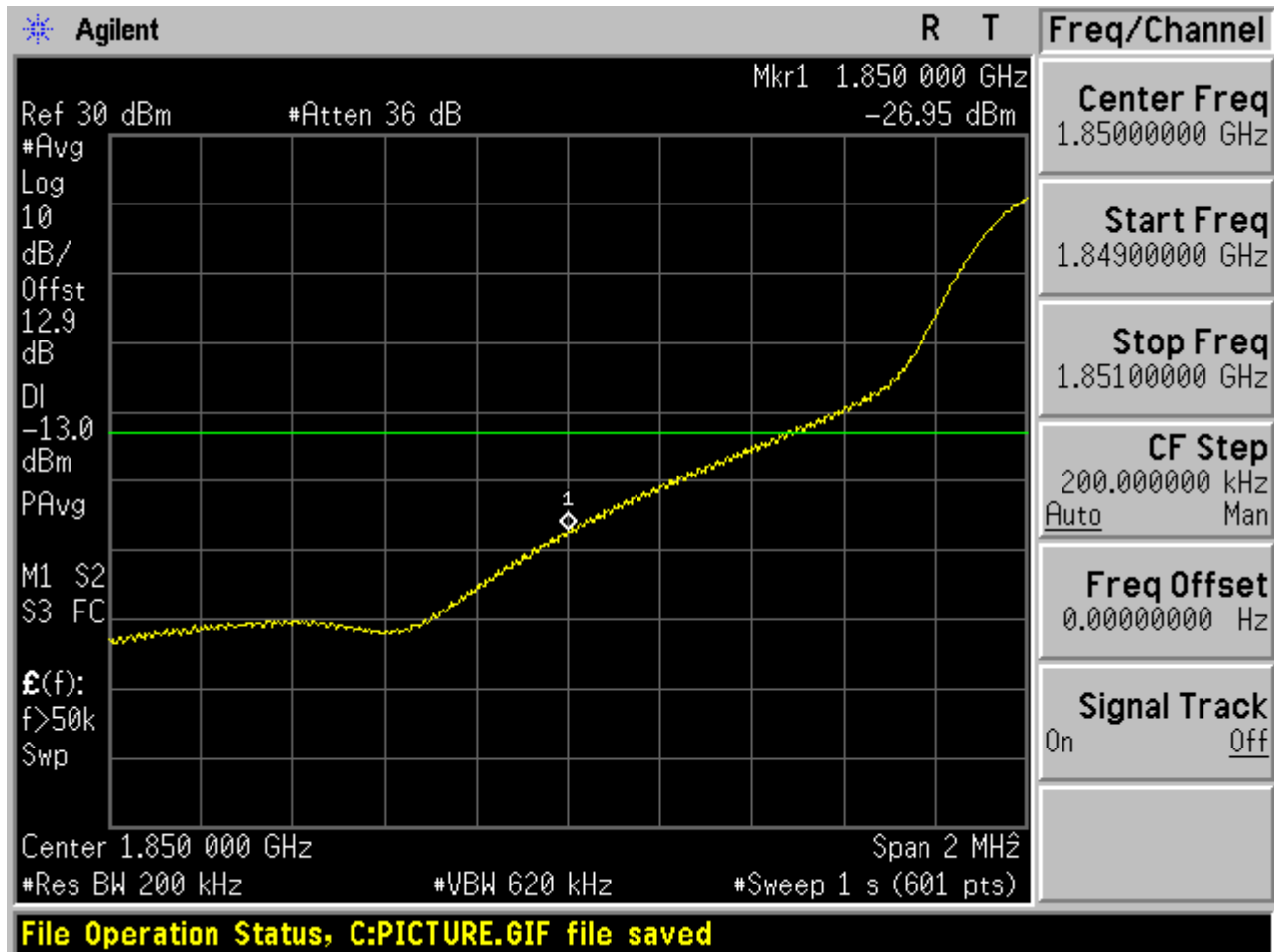




2.1.6 Channel Bandwidth = 20 MHz

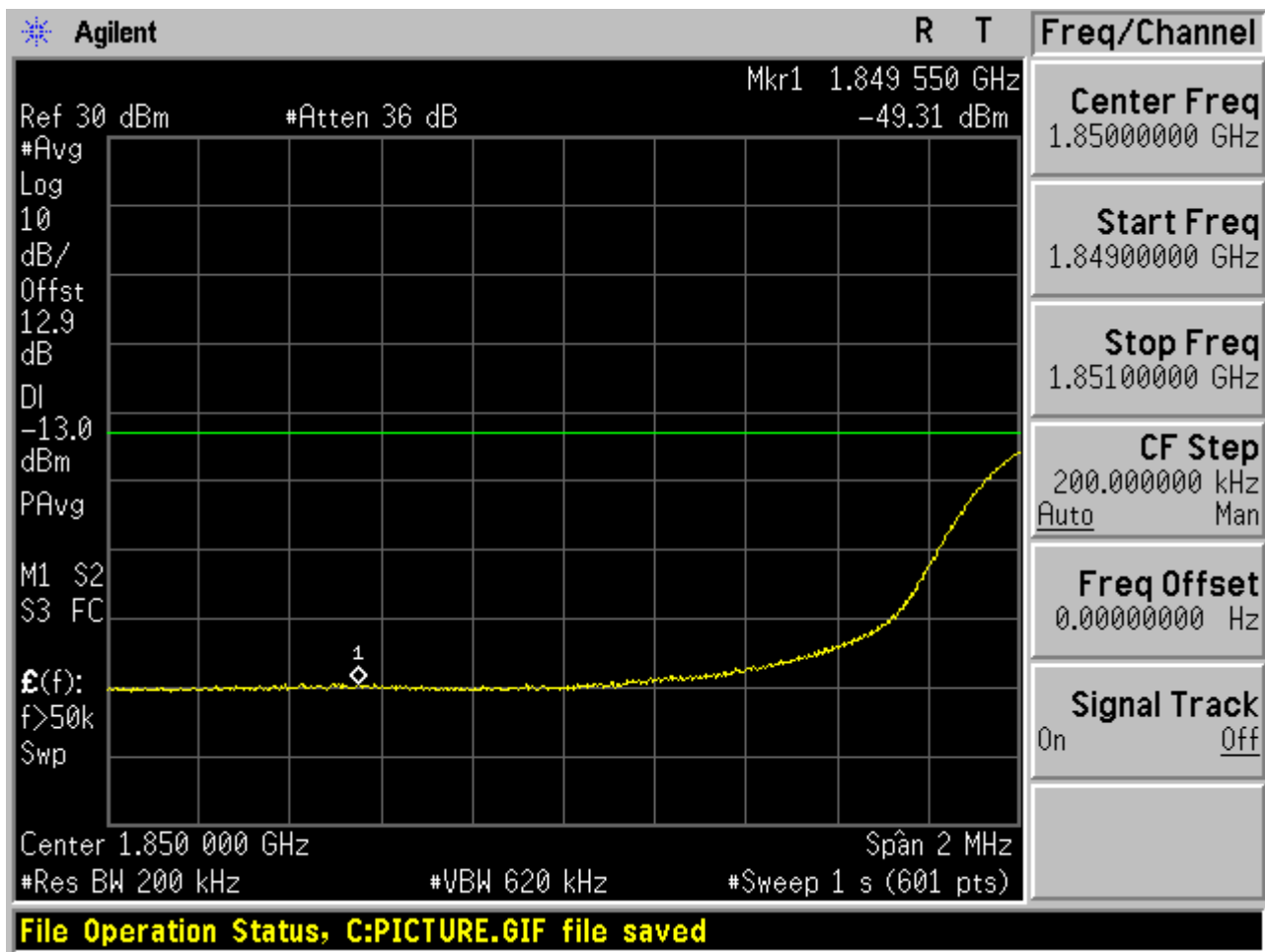
2.1.6.1 Channel= B

2.1.6.1.1 QPSK/1RB # 0



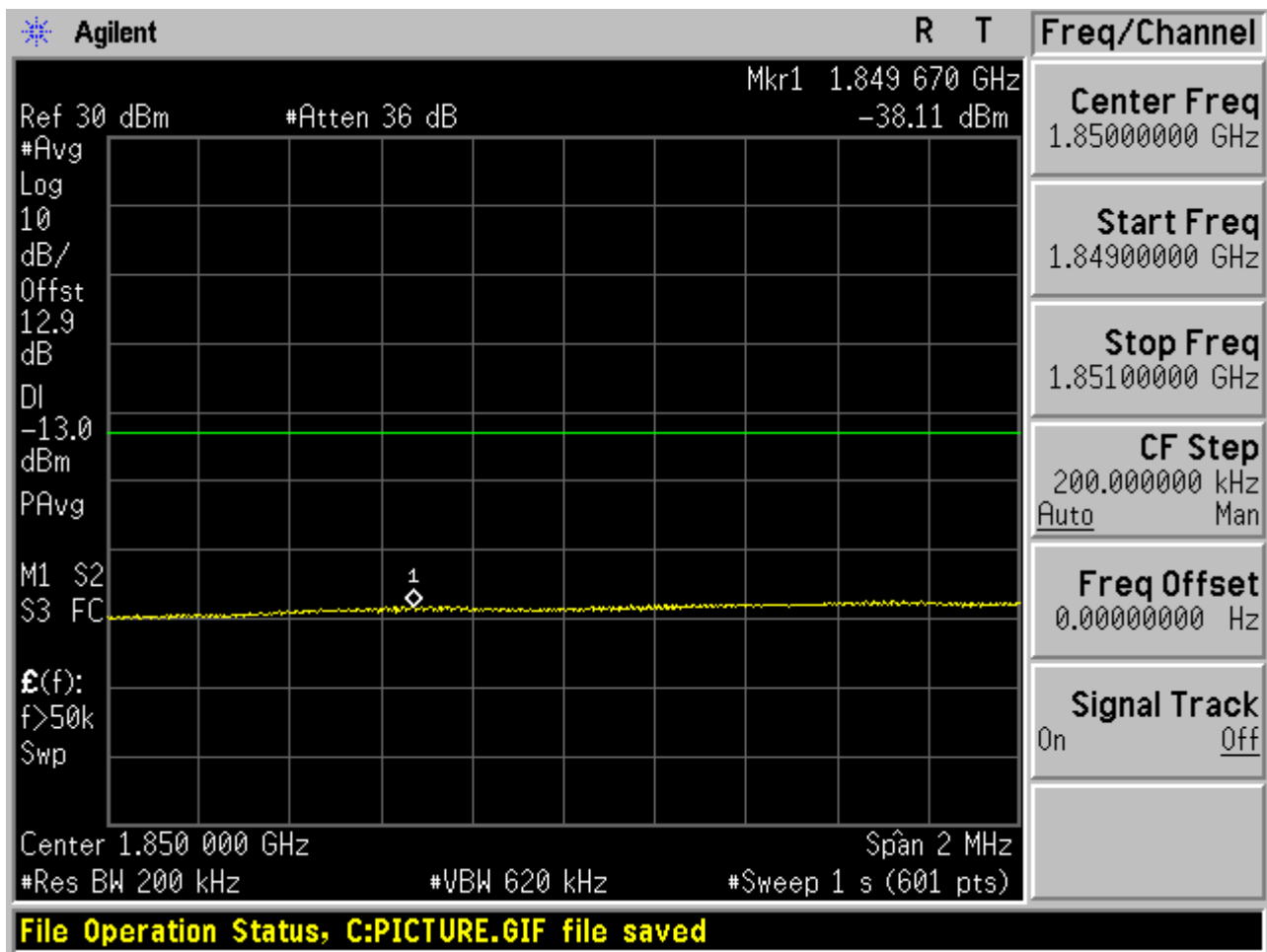


2.1.6.1.2 QPSK/1RB # max



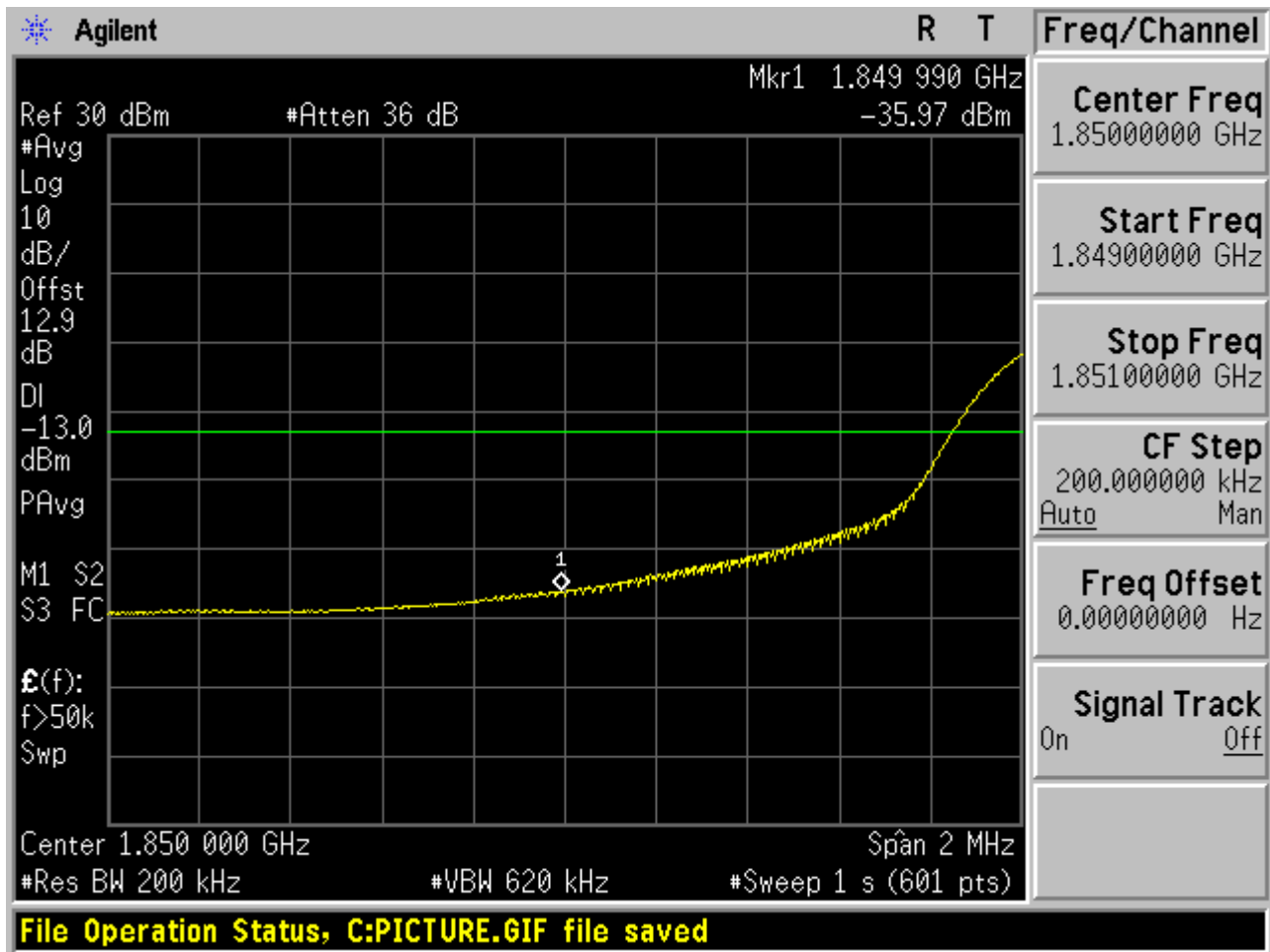


2.1.6.1.3 QPSK/non-1RB #mid/2





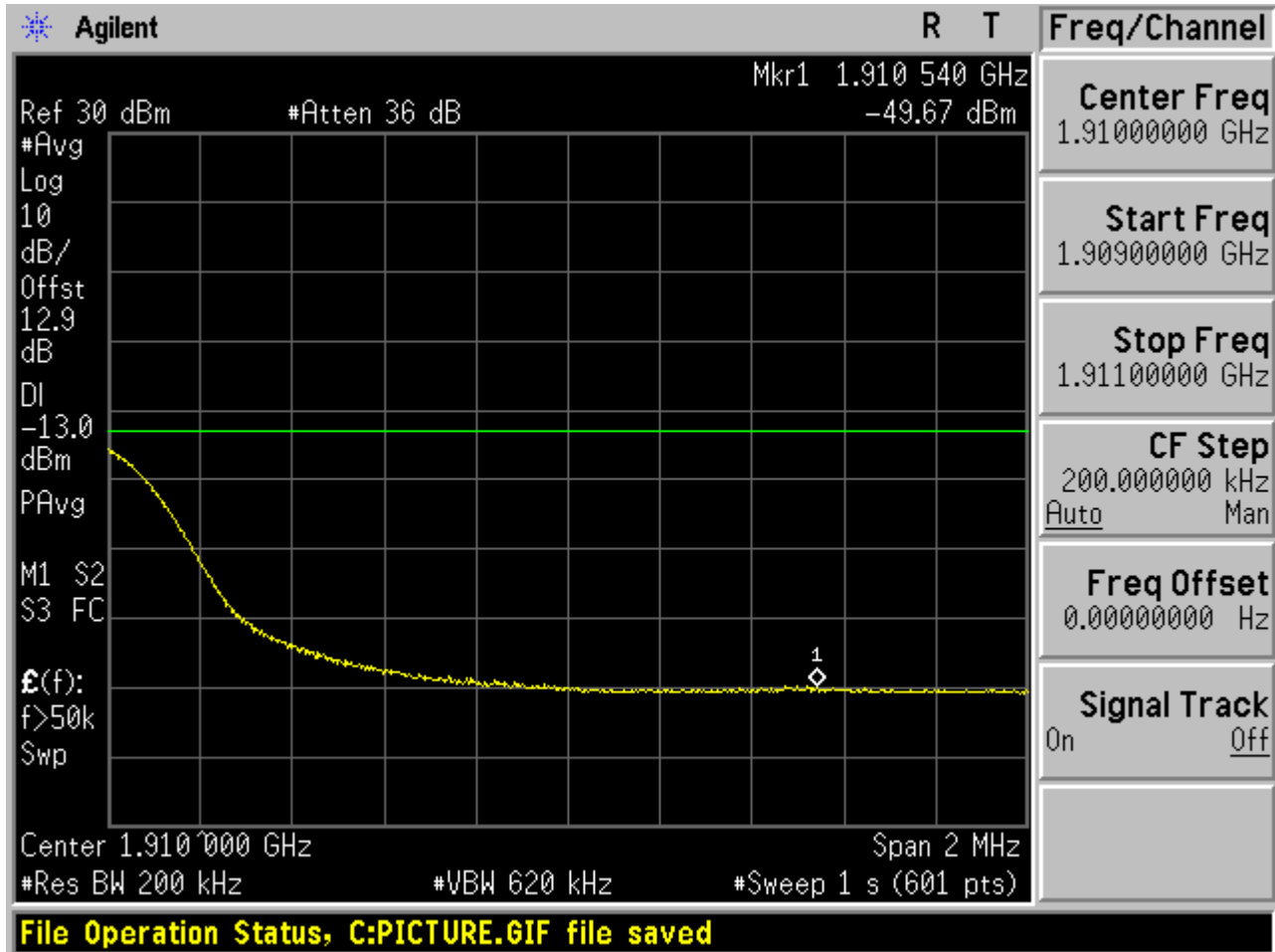
2.1.6.1.4 QPSK/full RBs





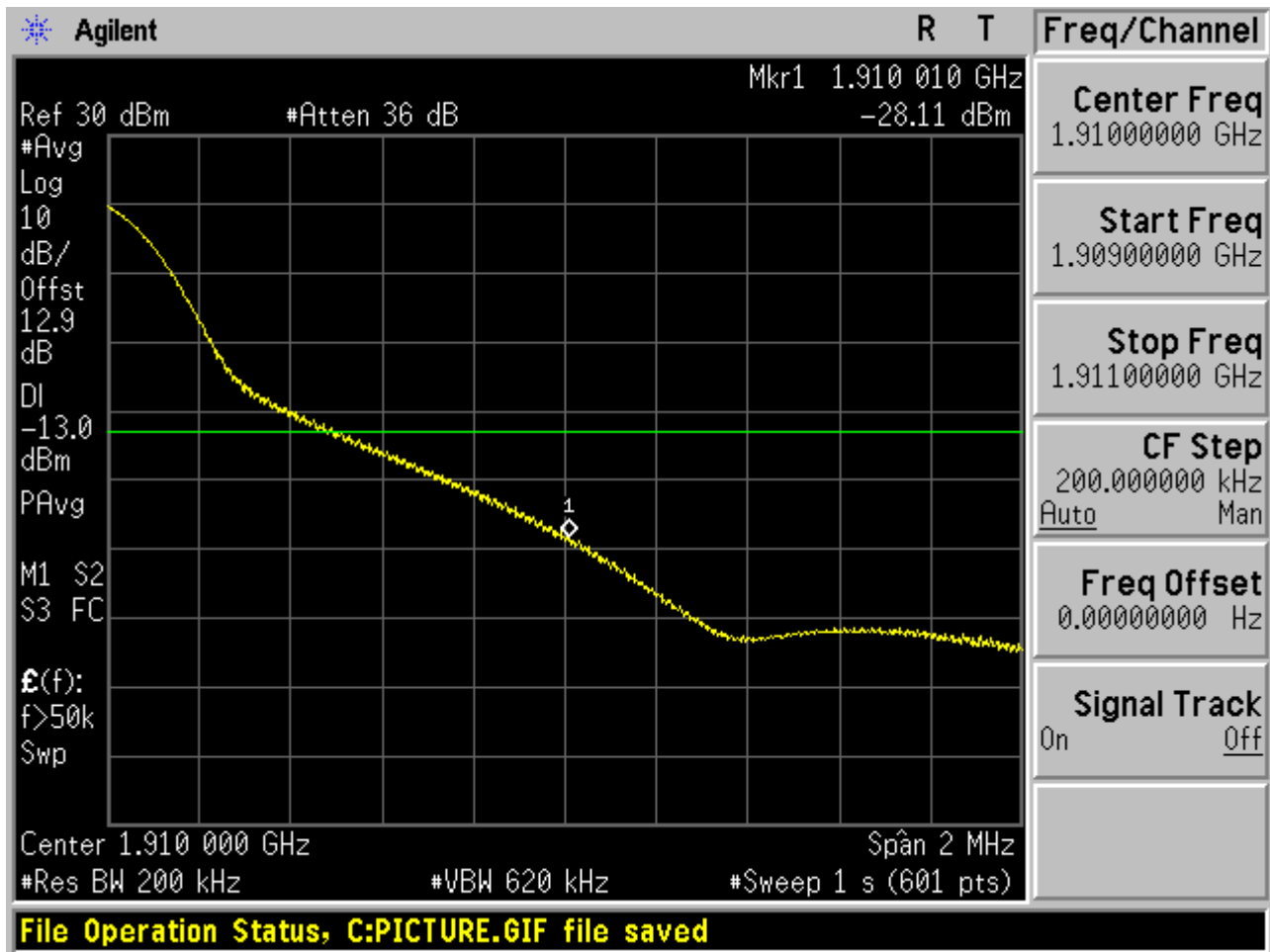
2.1.6.2 Channel= T

2.1.6.2.1 QPSK/1RB # 0



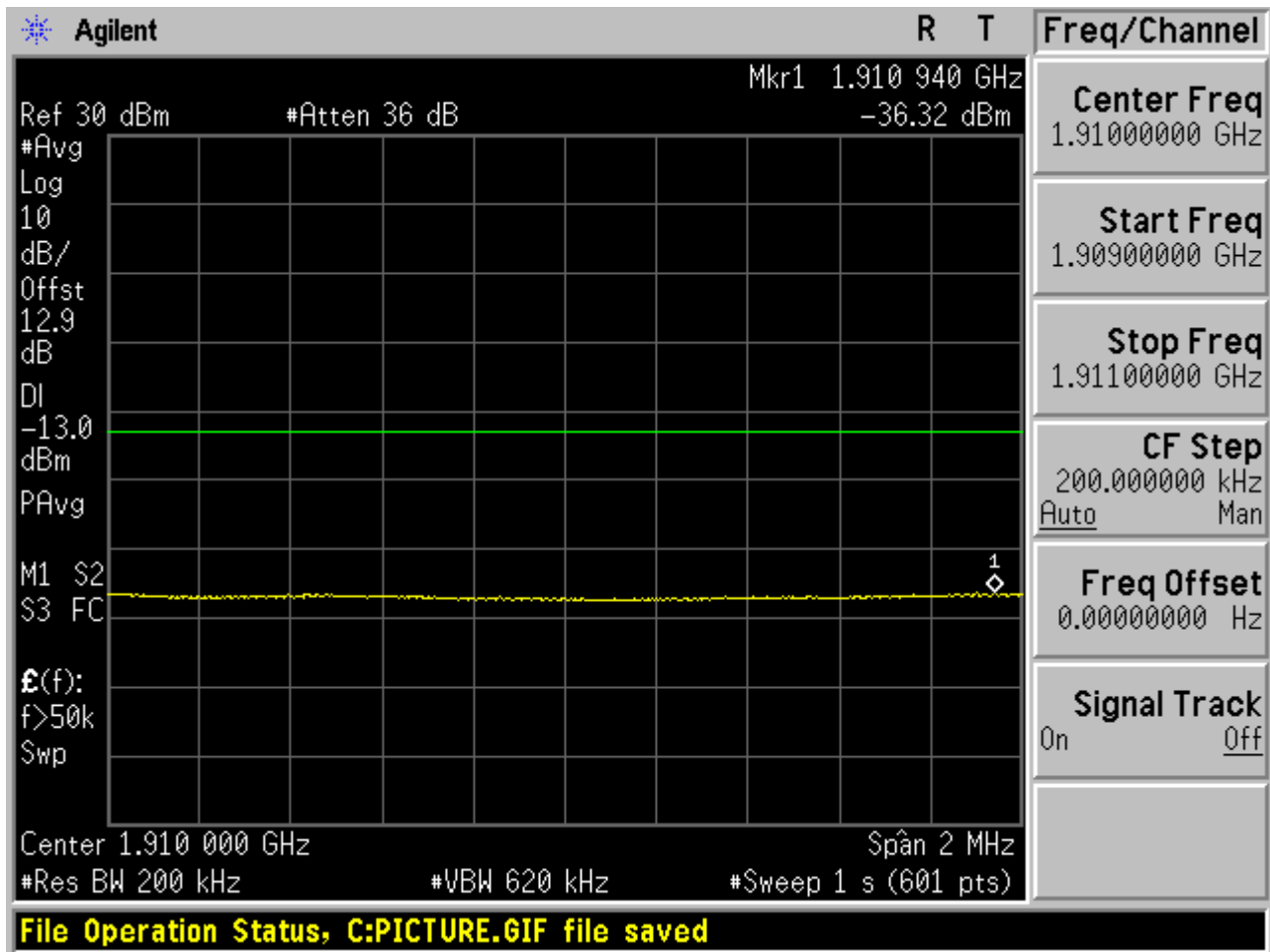


2.1.6.2.2 QPSK/1RB # max



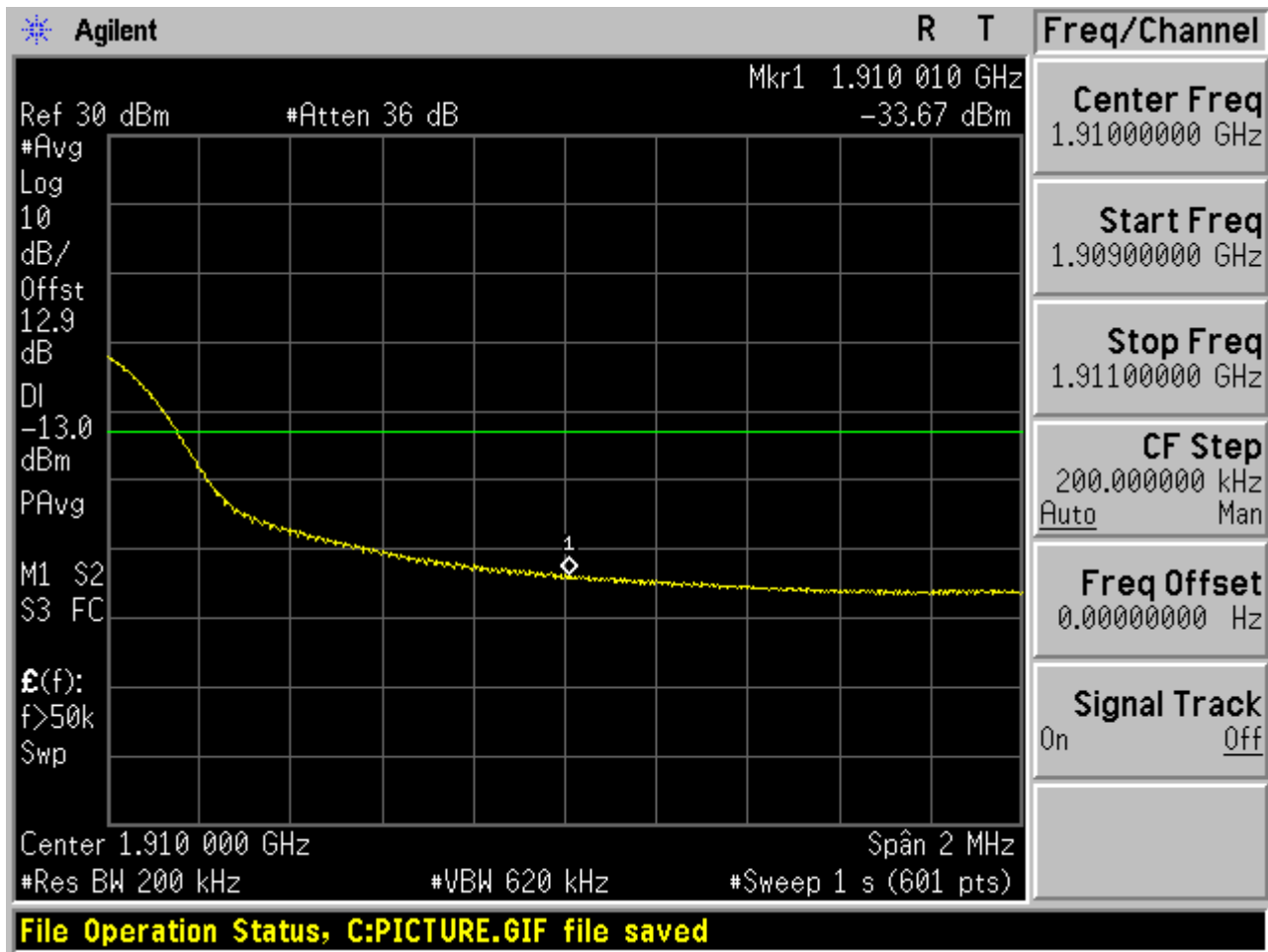


2.1.6.2.3 QPSK/non-1RB #mid/2





2.1.6.2.4 QPSK/full RBs



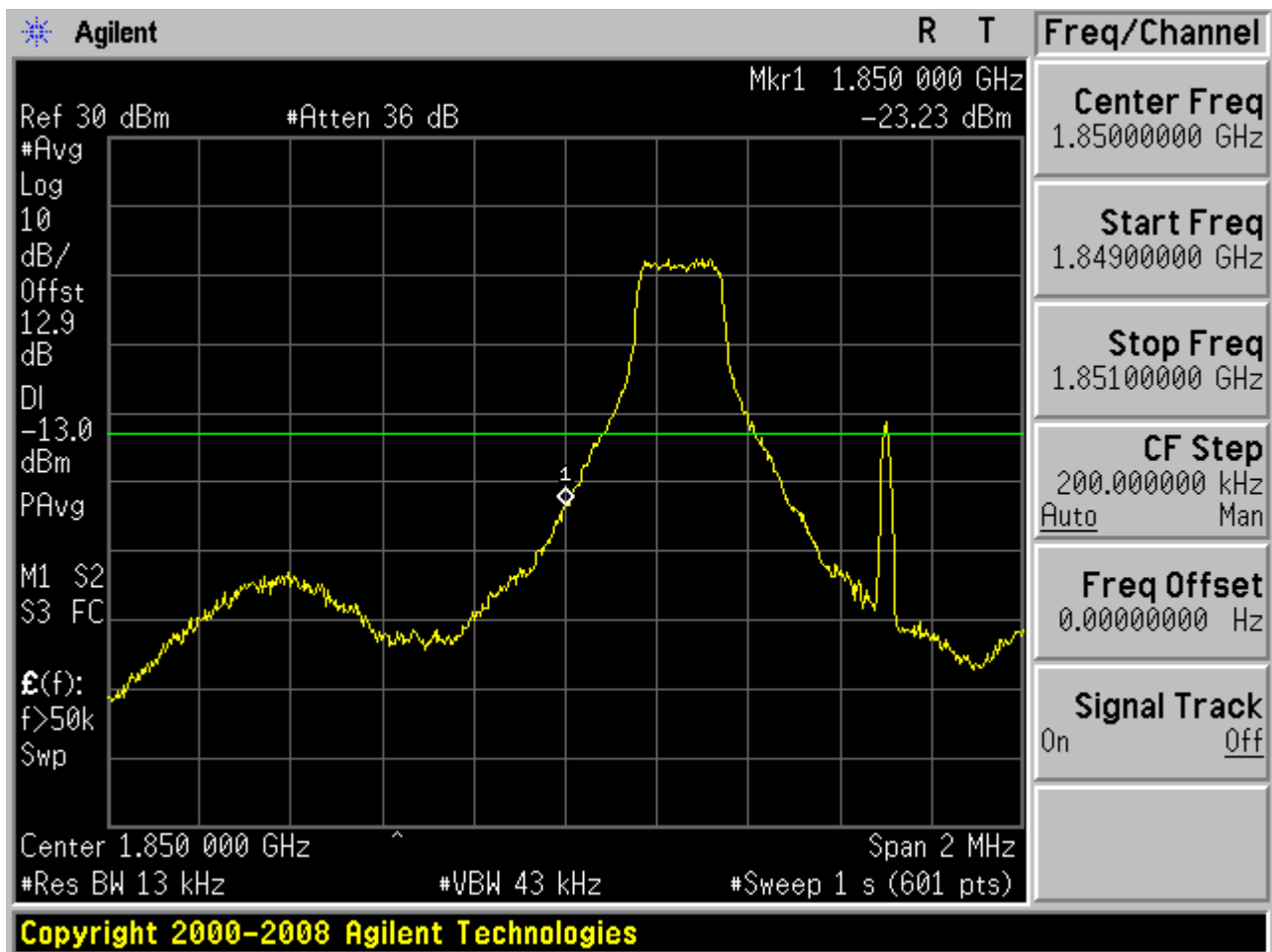


2.2 Test Mode=TM5

2.2.1 Channel Bandwidth = 1.4 MHz

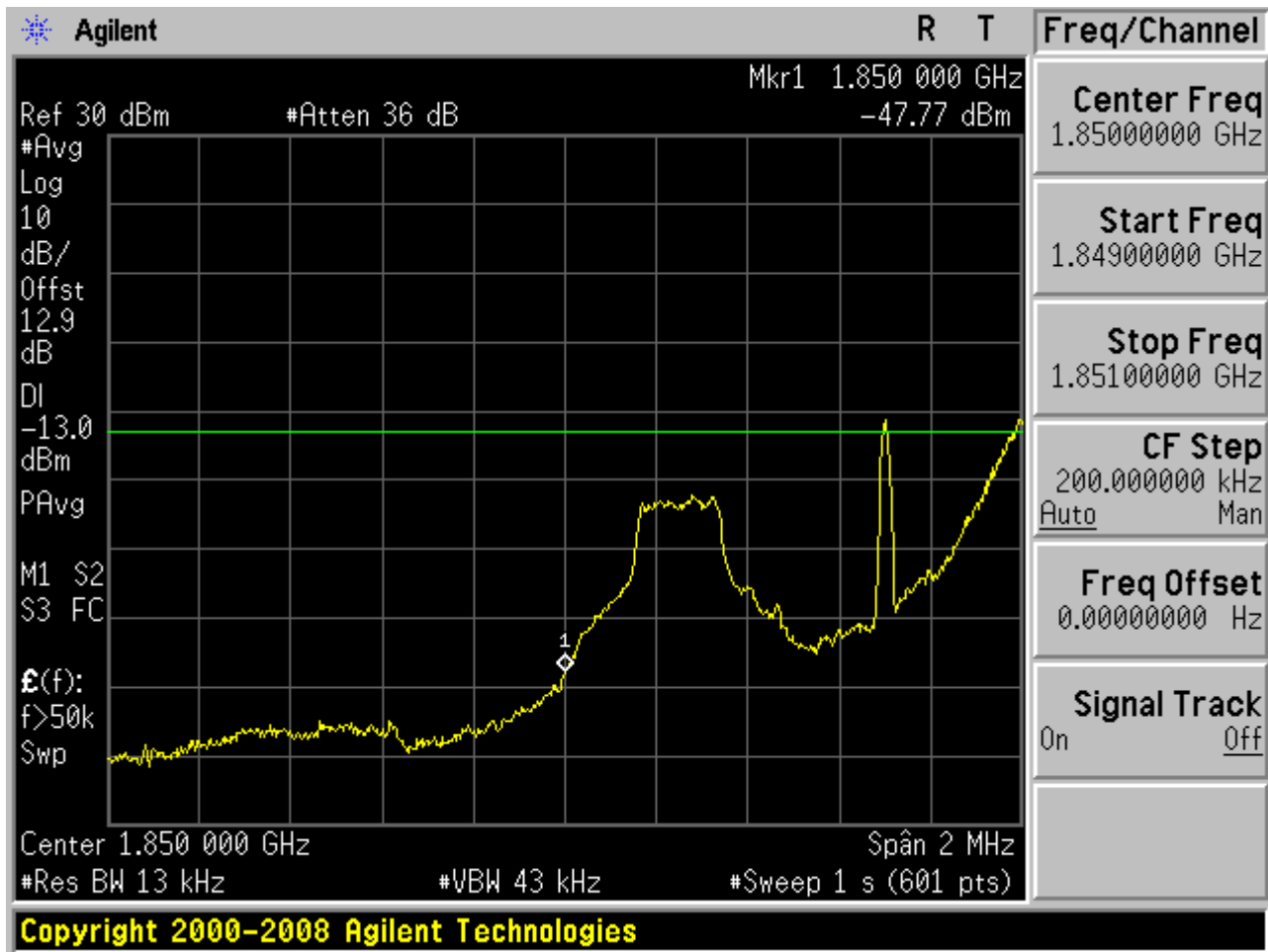
2.2.1.1 Channel= B

2.2.1.1.1 16QAM/1RB #0



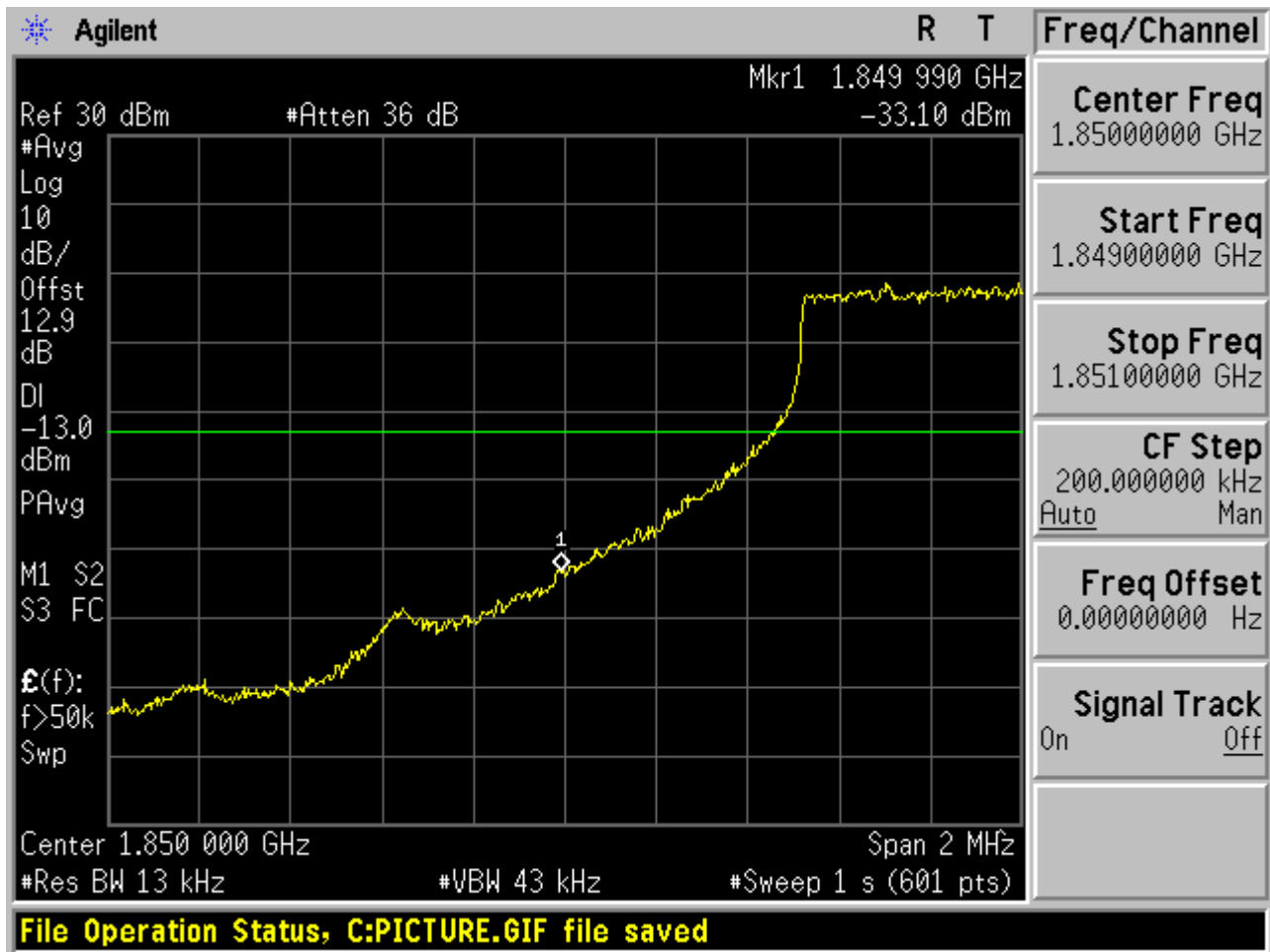


2.2.1.1.2 16QAM/1RB #max



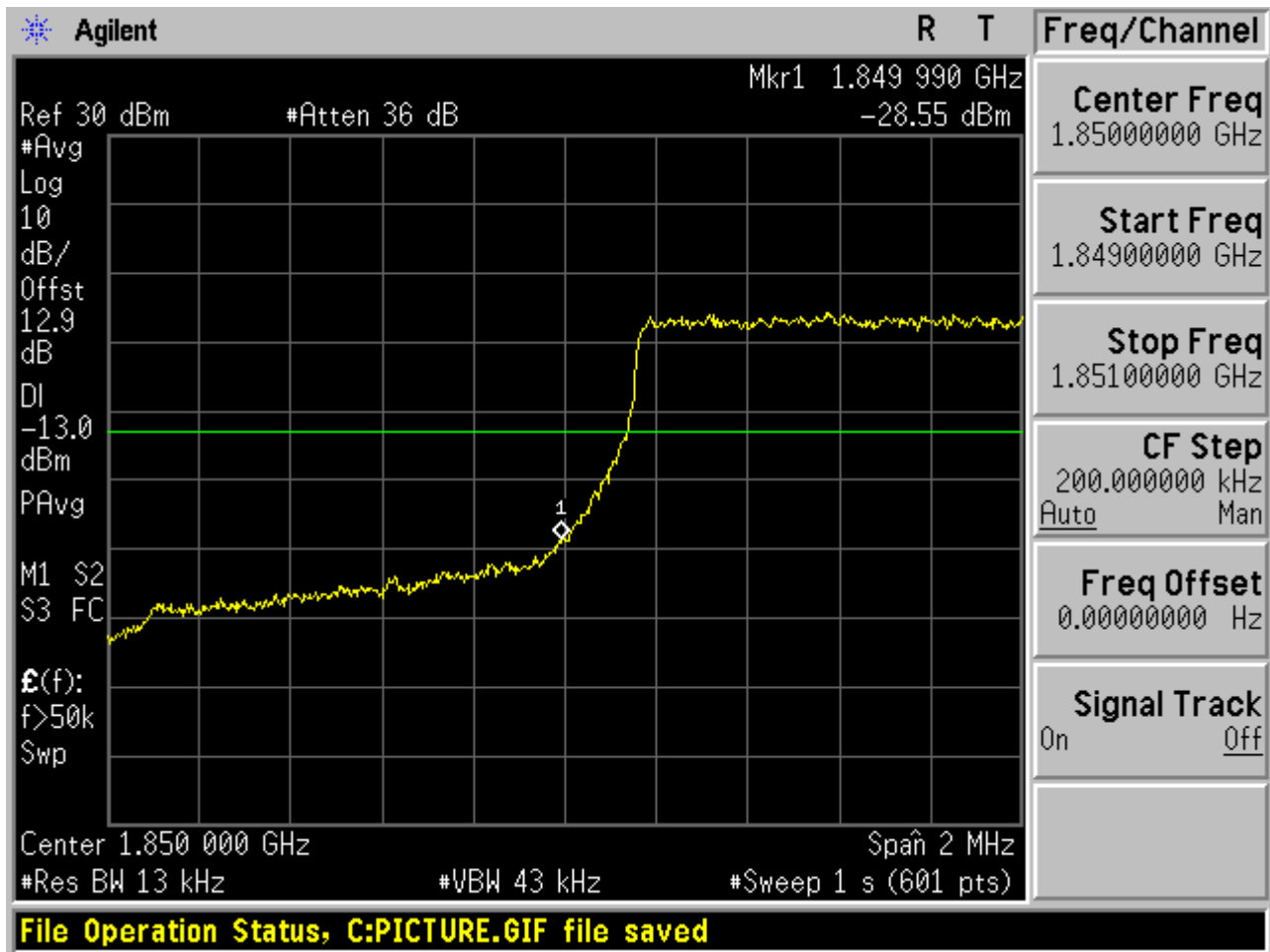


2.2.1.1.3 16QAM / non-1RB #mid/2





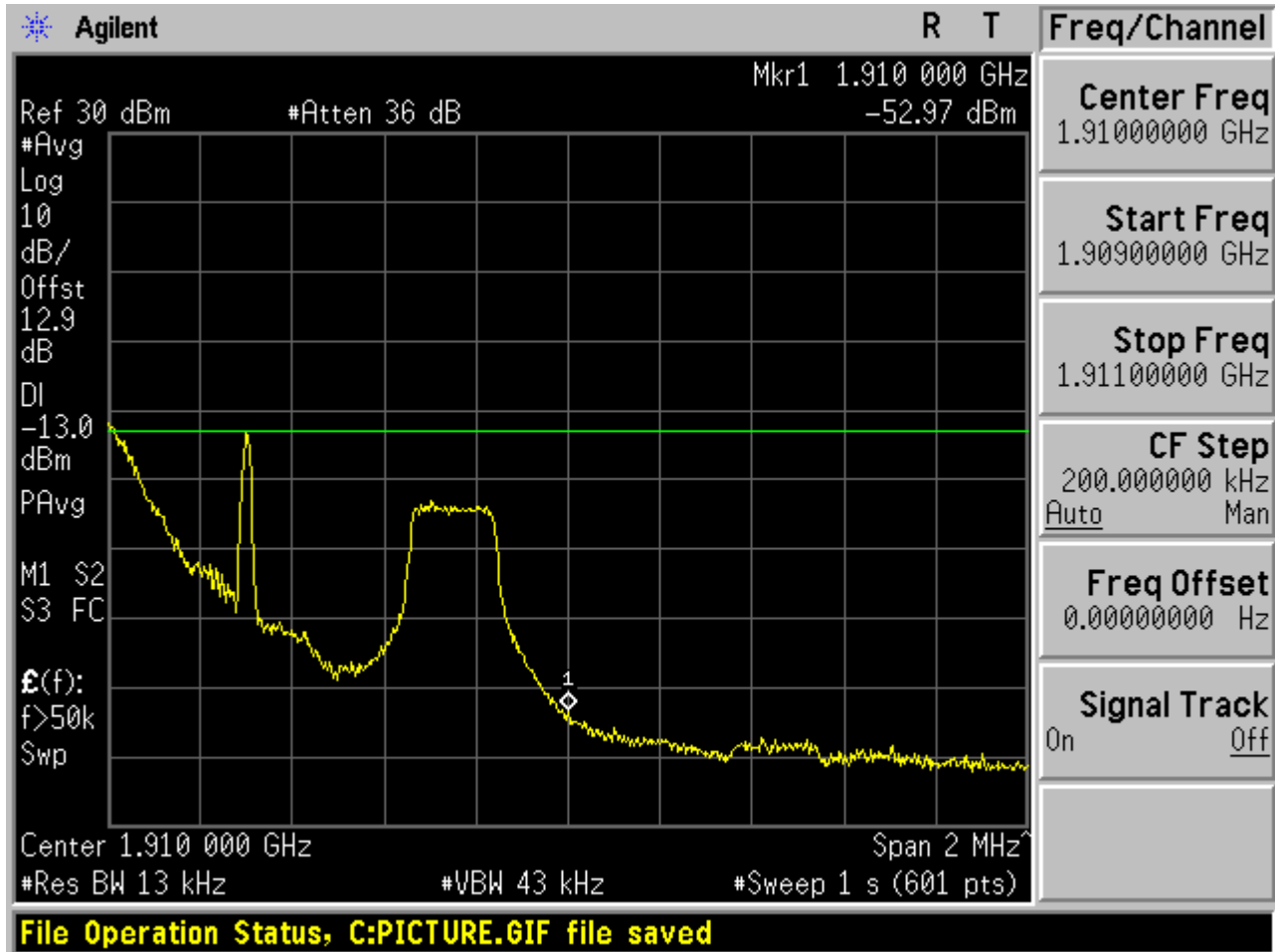
2.2.1.1.4 16QAM /full RBs





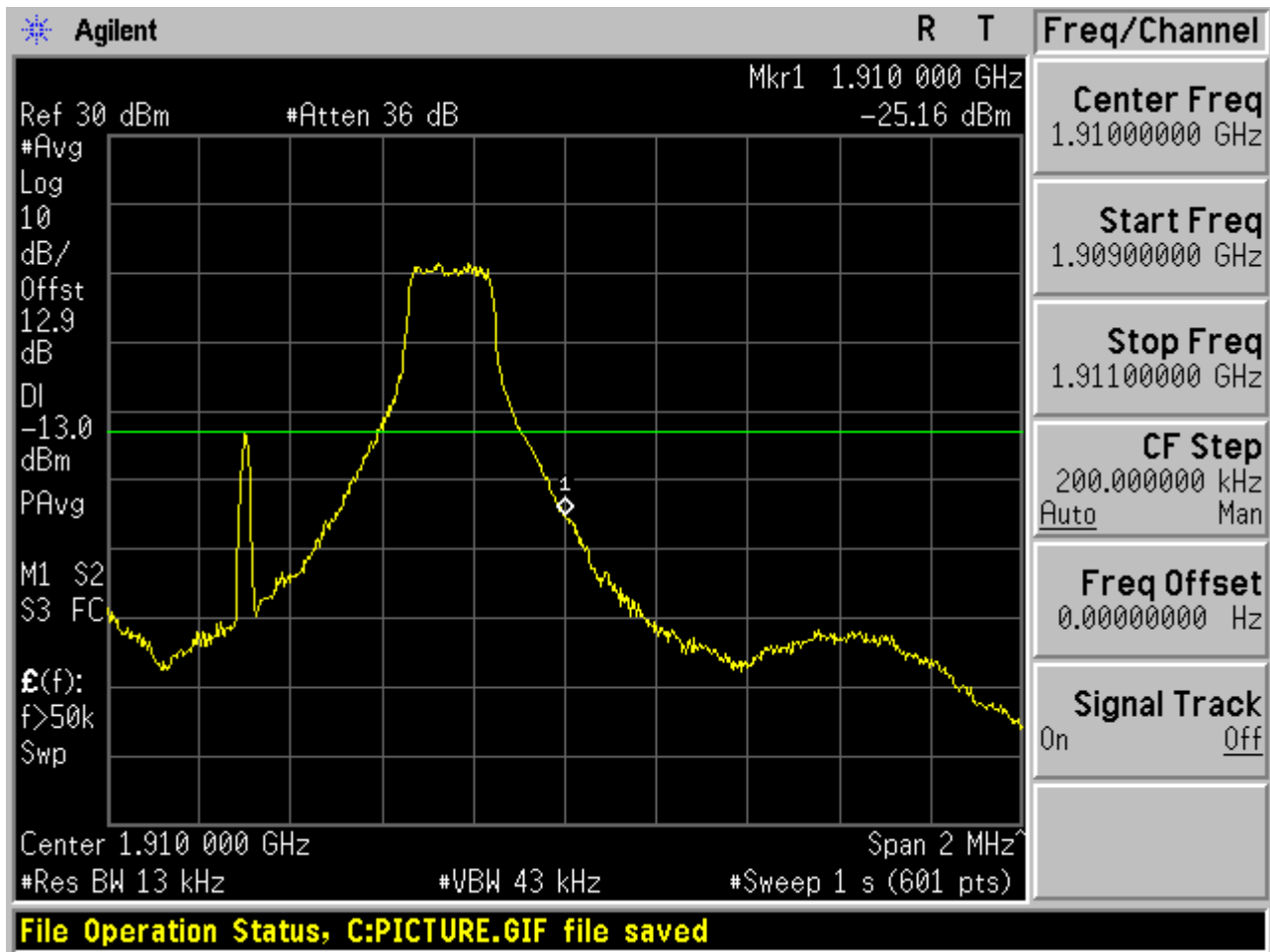
2.2.1.2 Channel= T

2.2.1.2.1 16QAM /1RB #0



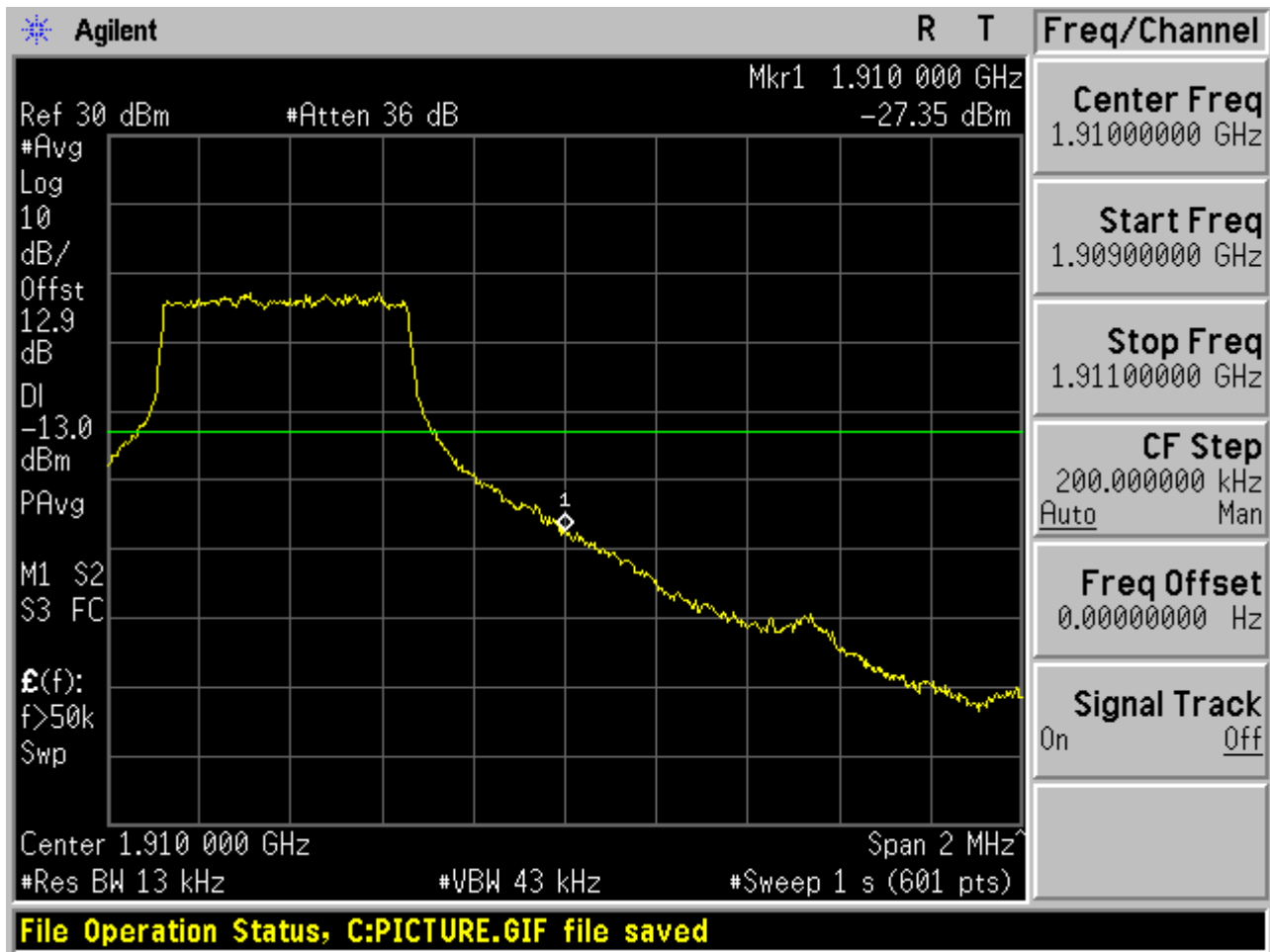


2.2.1.2.2 16QAM /1RB #max



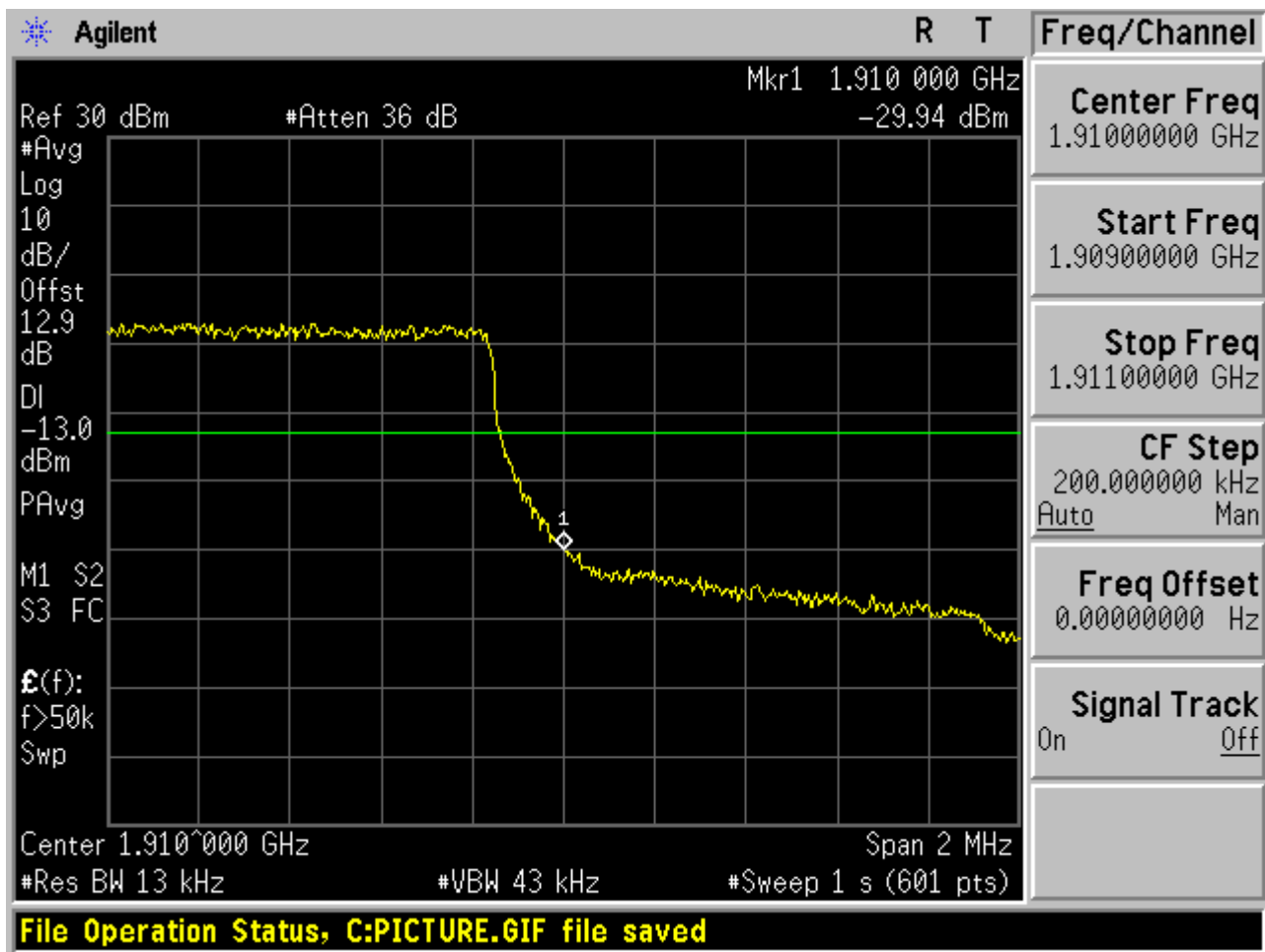


2.2.1.2.3 16QAM / non-1RB #mid/2





2.2.1.2.4 16QAM /full RBs

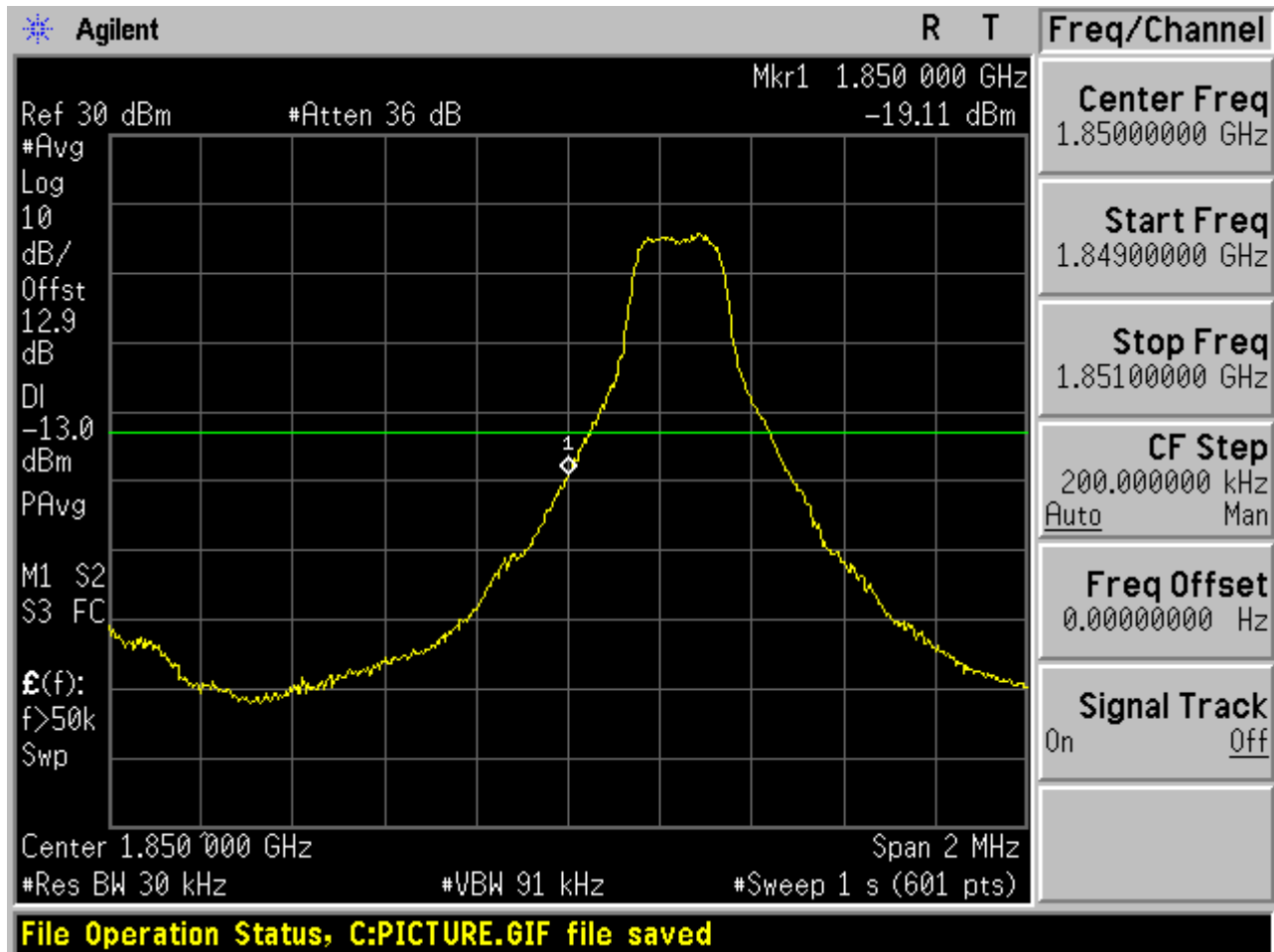




2.2.2 Channel Bandwidth = 3 MHz

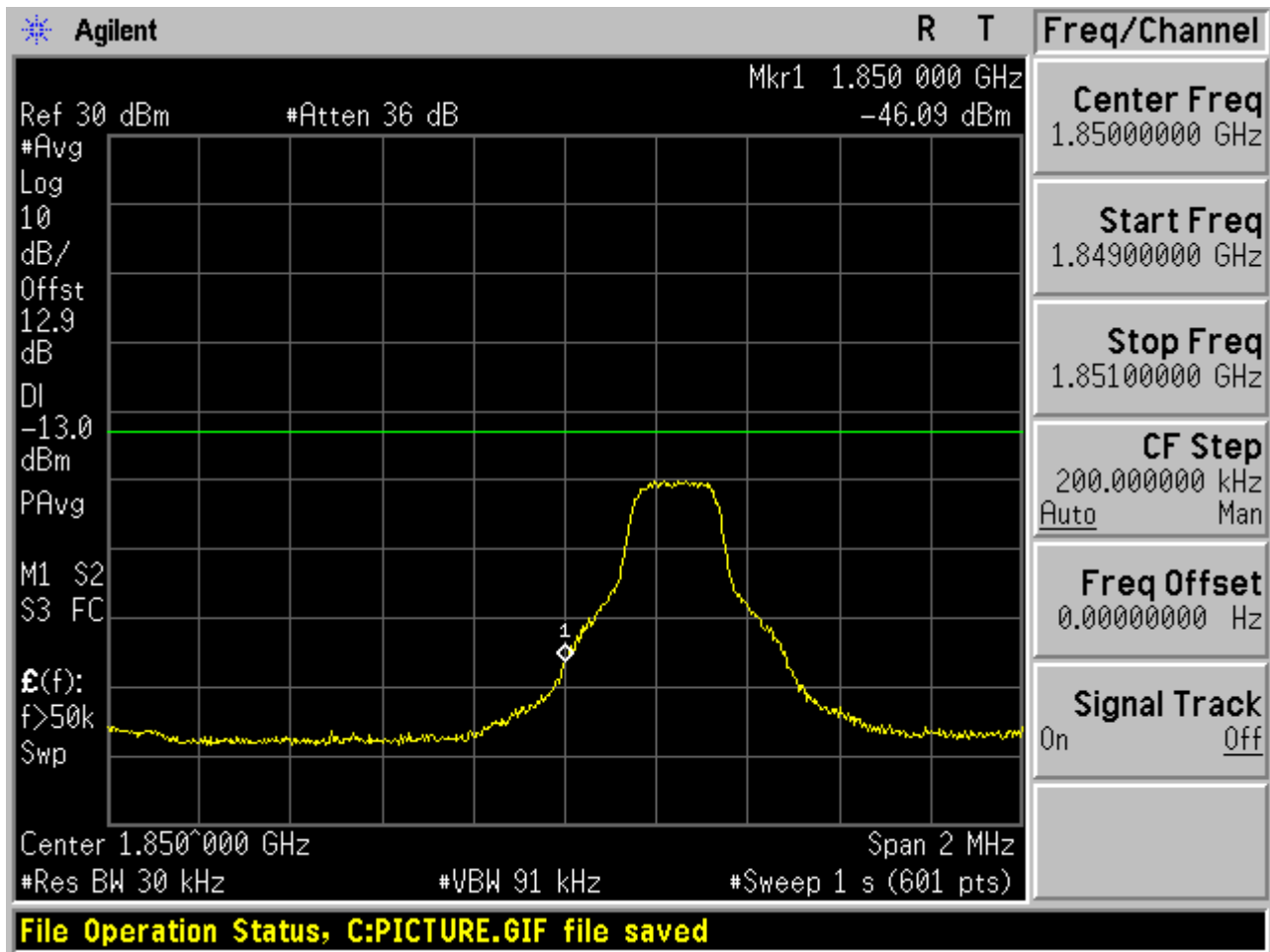
2.2.2.1 Channel= B

2.2.2.1.1 16QAM/1RB #0



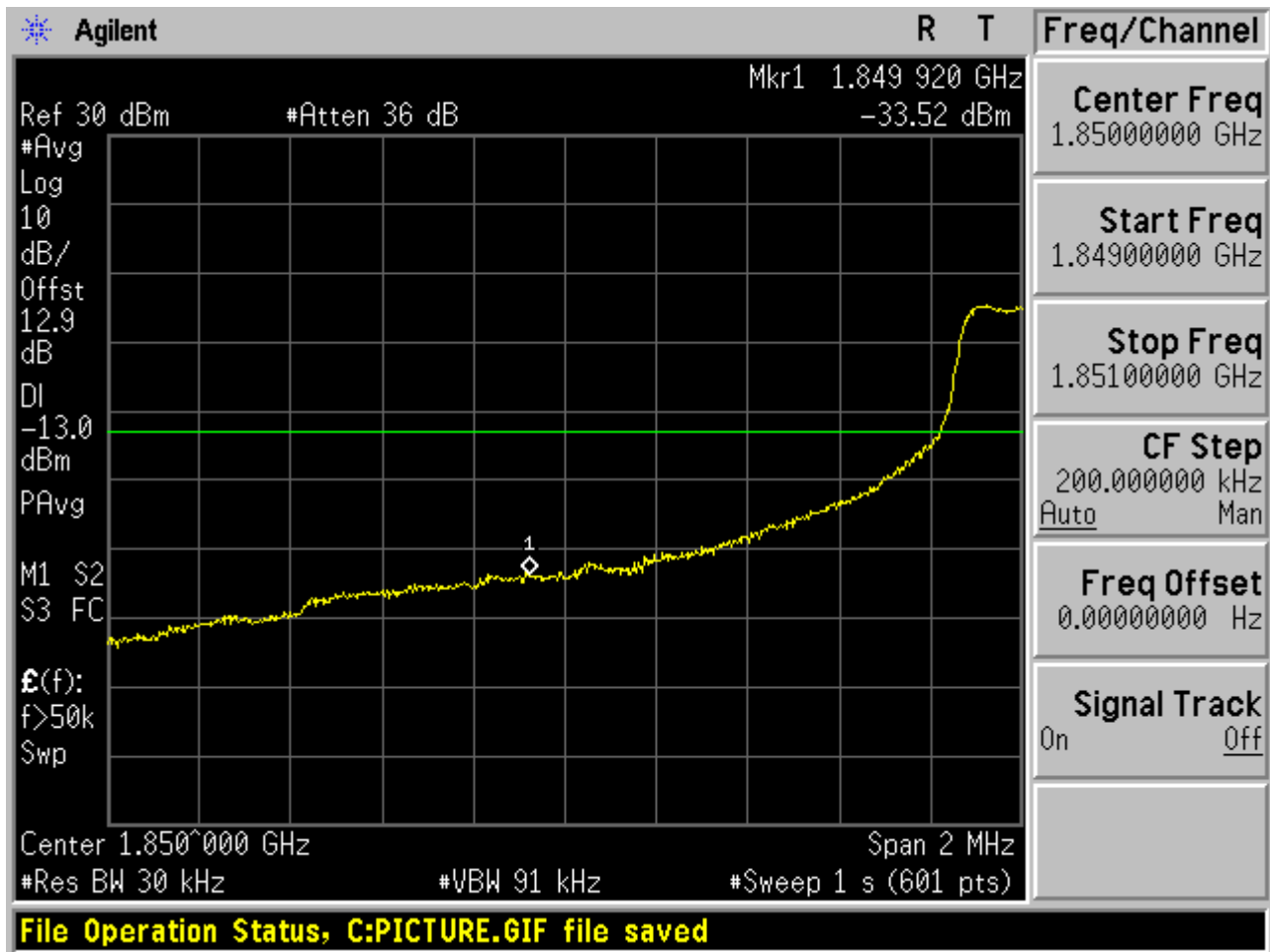


2.2.2.1.2 16QAM/1RB #max



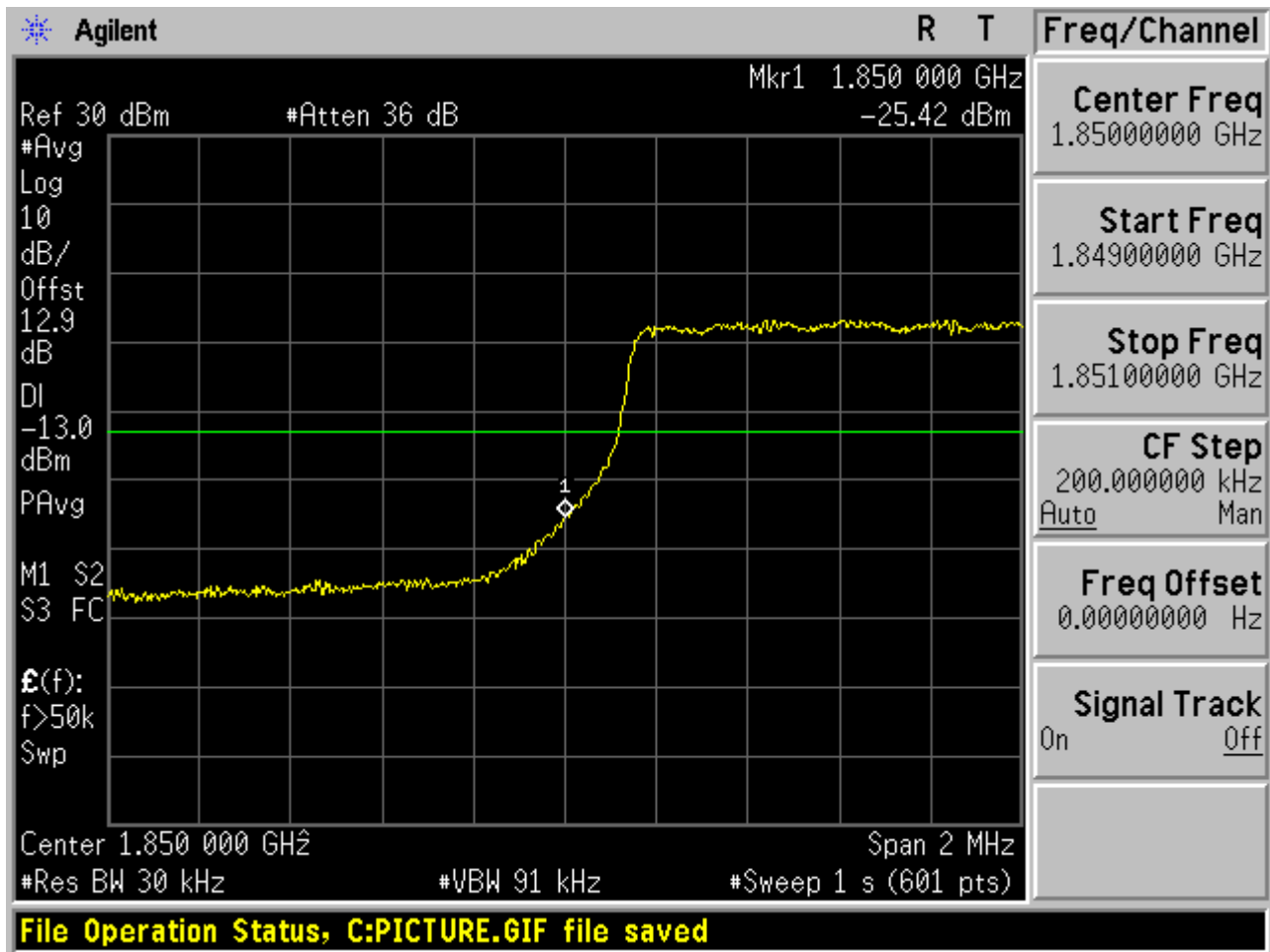


2.2.2.1.3 16QAM / non-1RB #mid/2





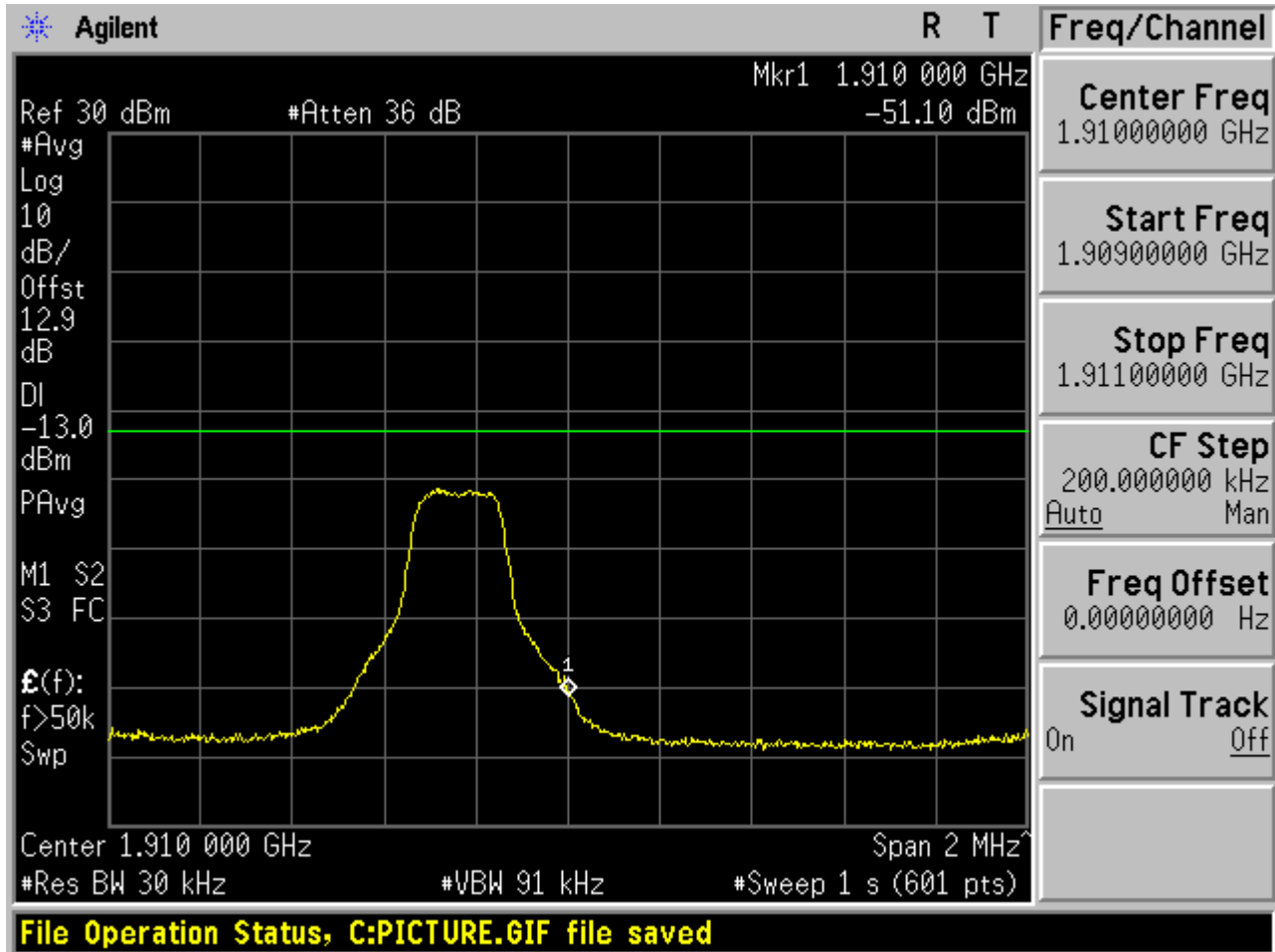
2.2.2.1.4 16QAM /full RBs





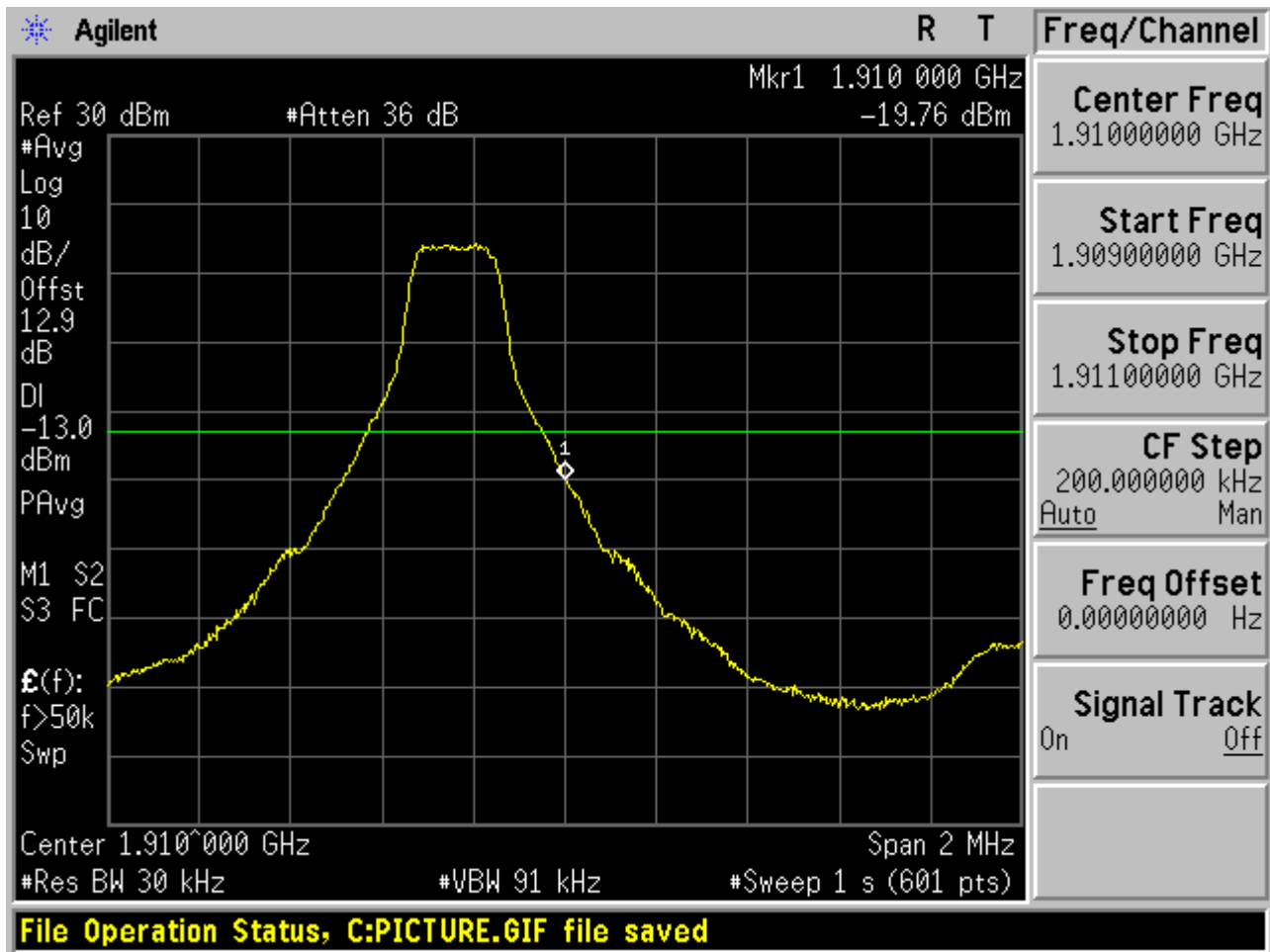
2.2.2.2 Channel= T

2.2.2.2.1 16QAM /1RB #0



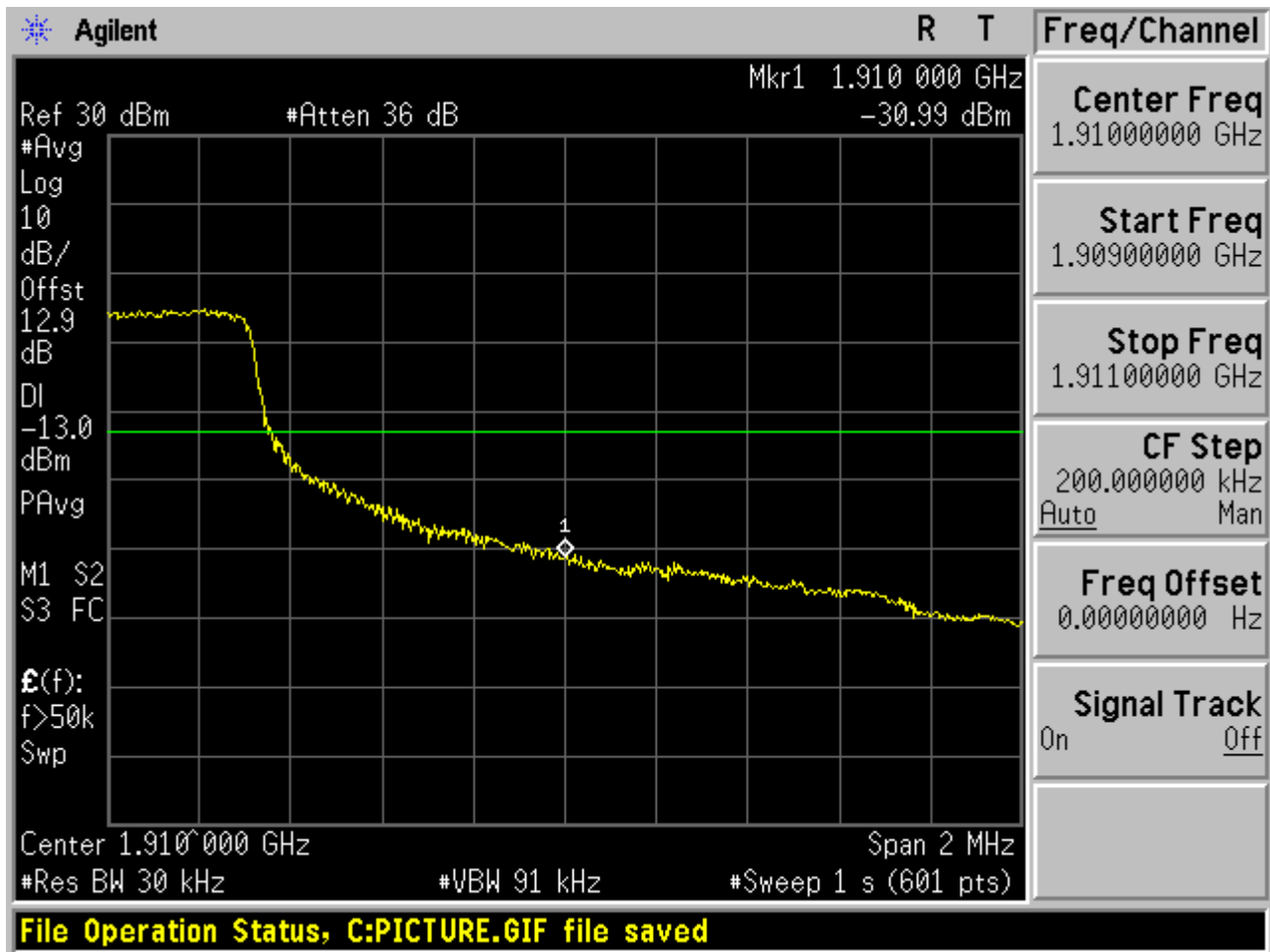


2.2.2.2.2 16QAM /1RB #max



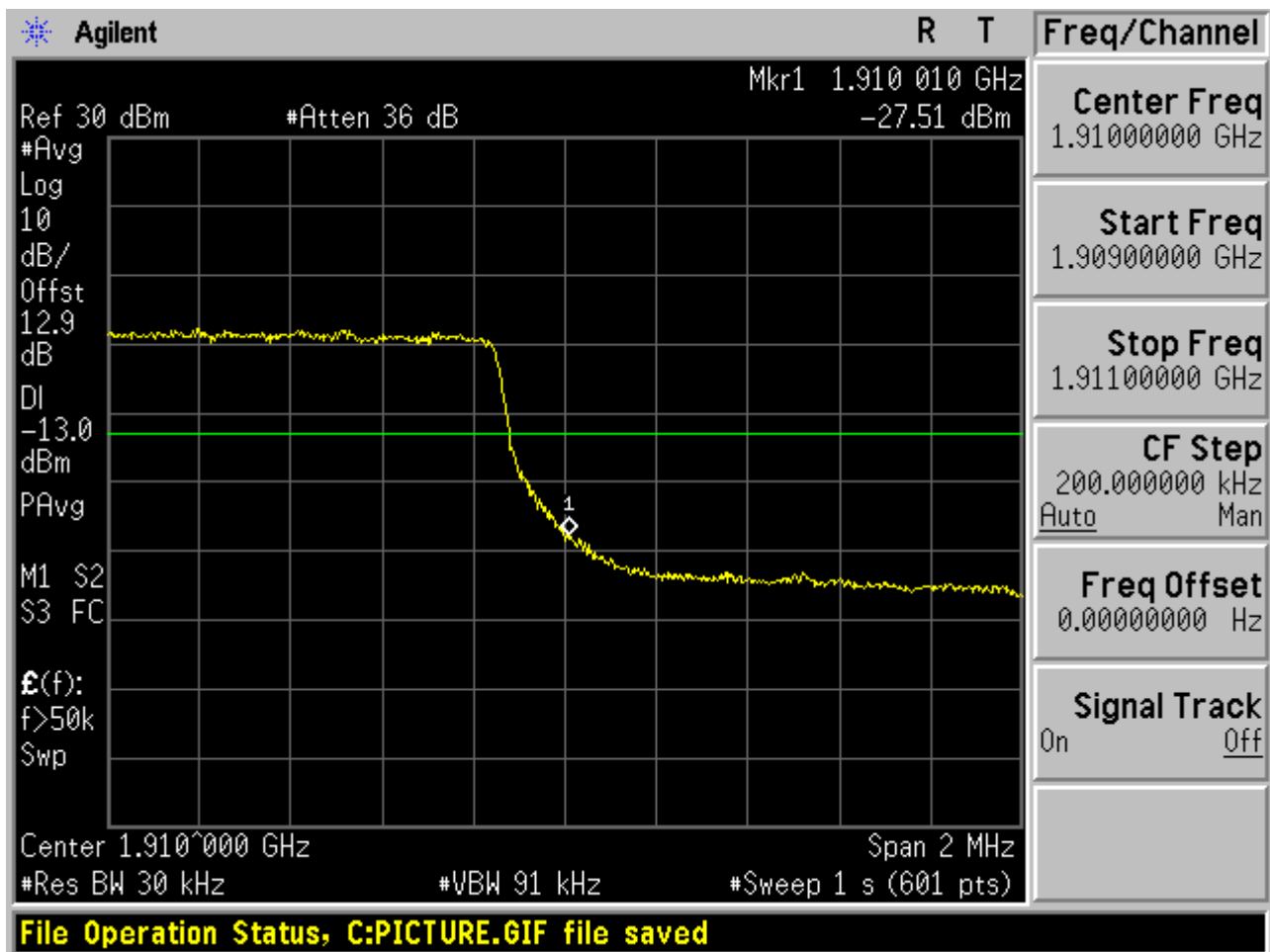


2.2.2.2.3 16QAM / non-1RB #mid/2





2.2.2.2.4 16QAM /full RBs

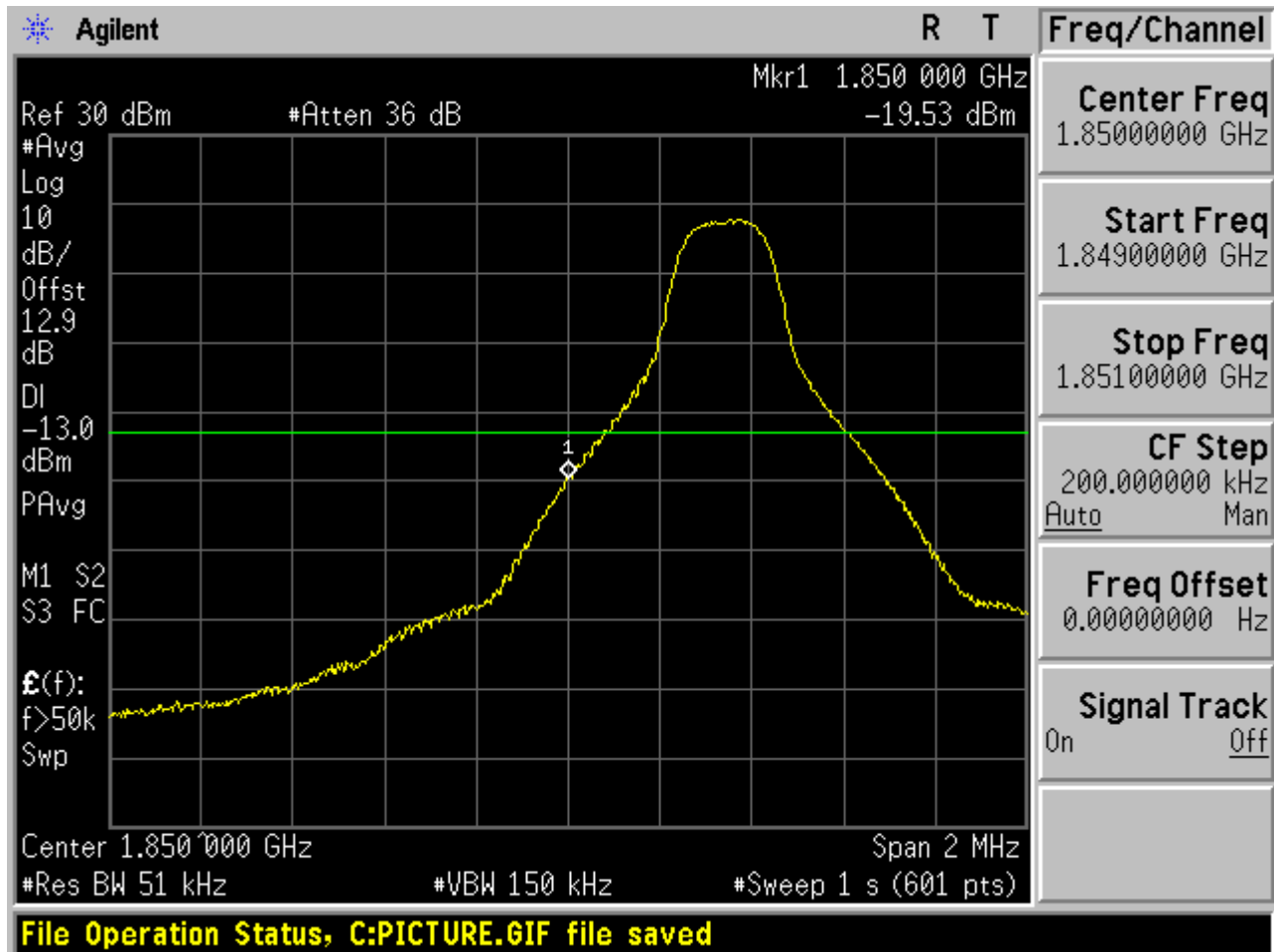




2.2.3 Channel Bandwidth = 5 MHz

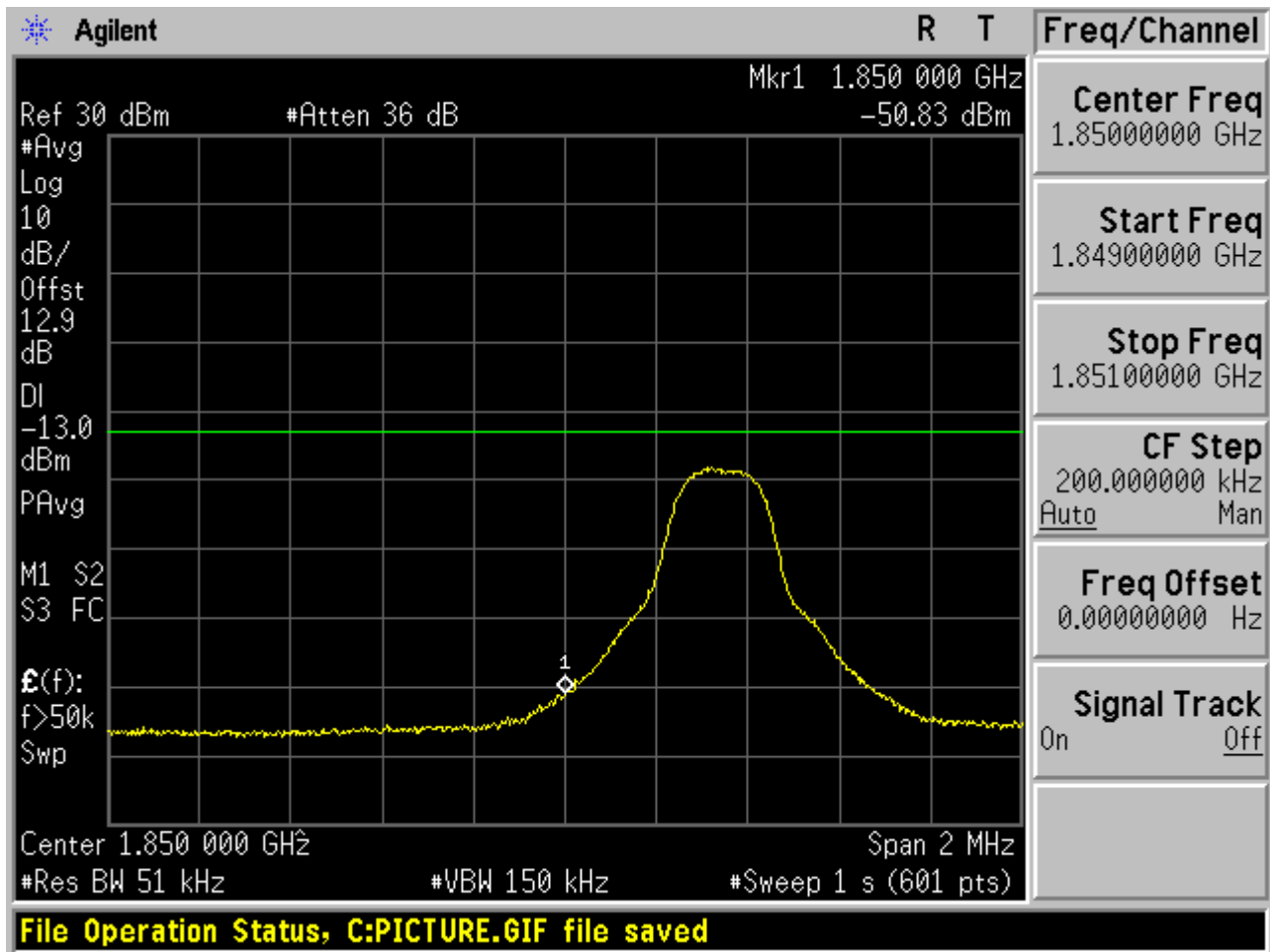
2.2.3.1 Channel= B

2.2.3.1.1 16QAM/1RB #0



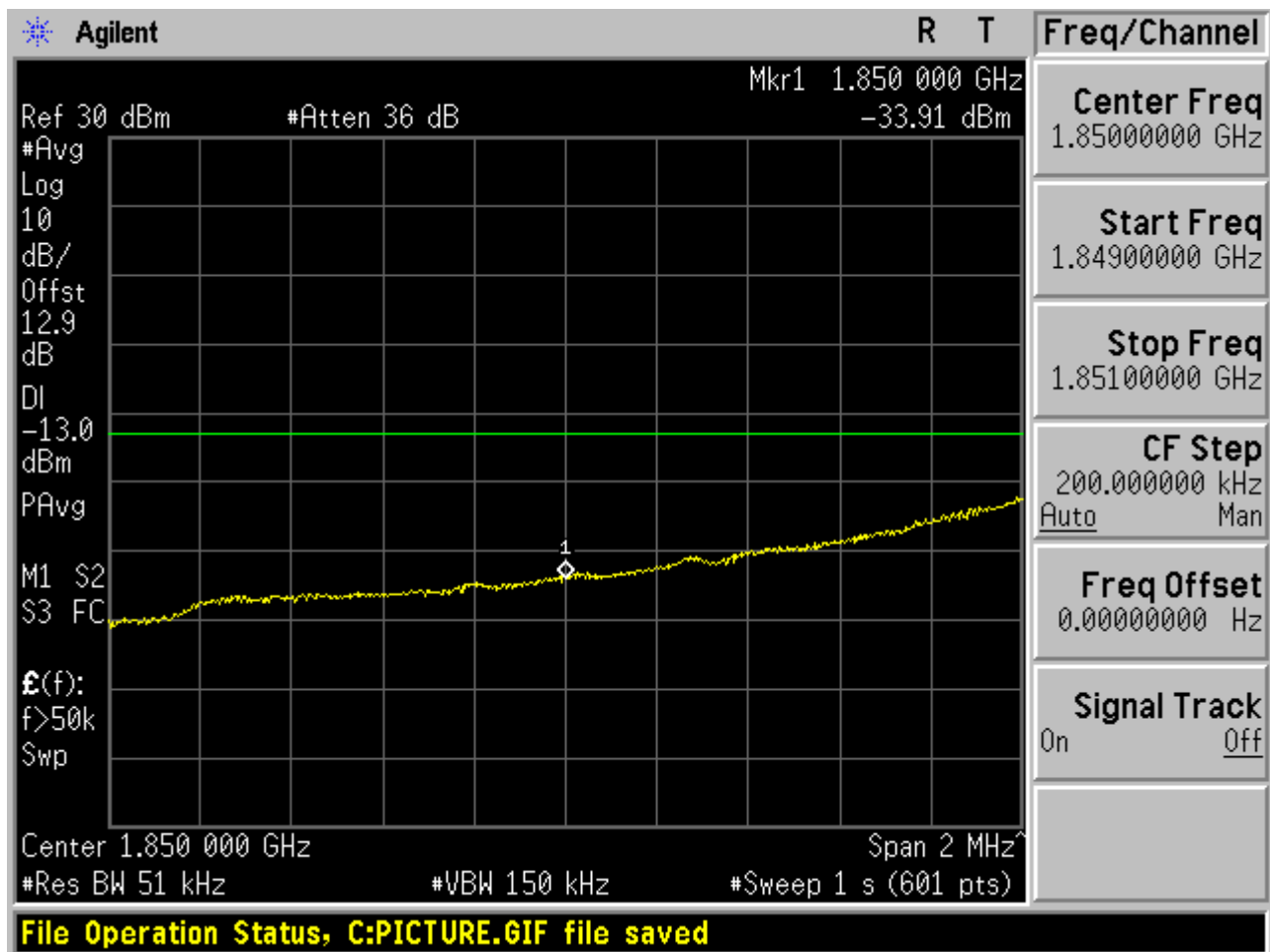


2.2.3.1.2 16QAM/1RB #max



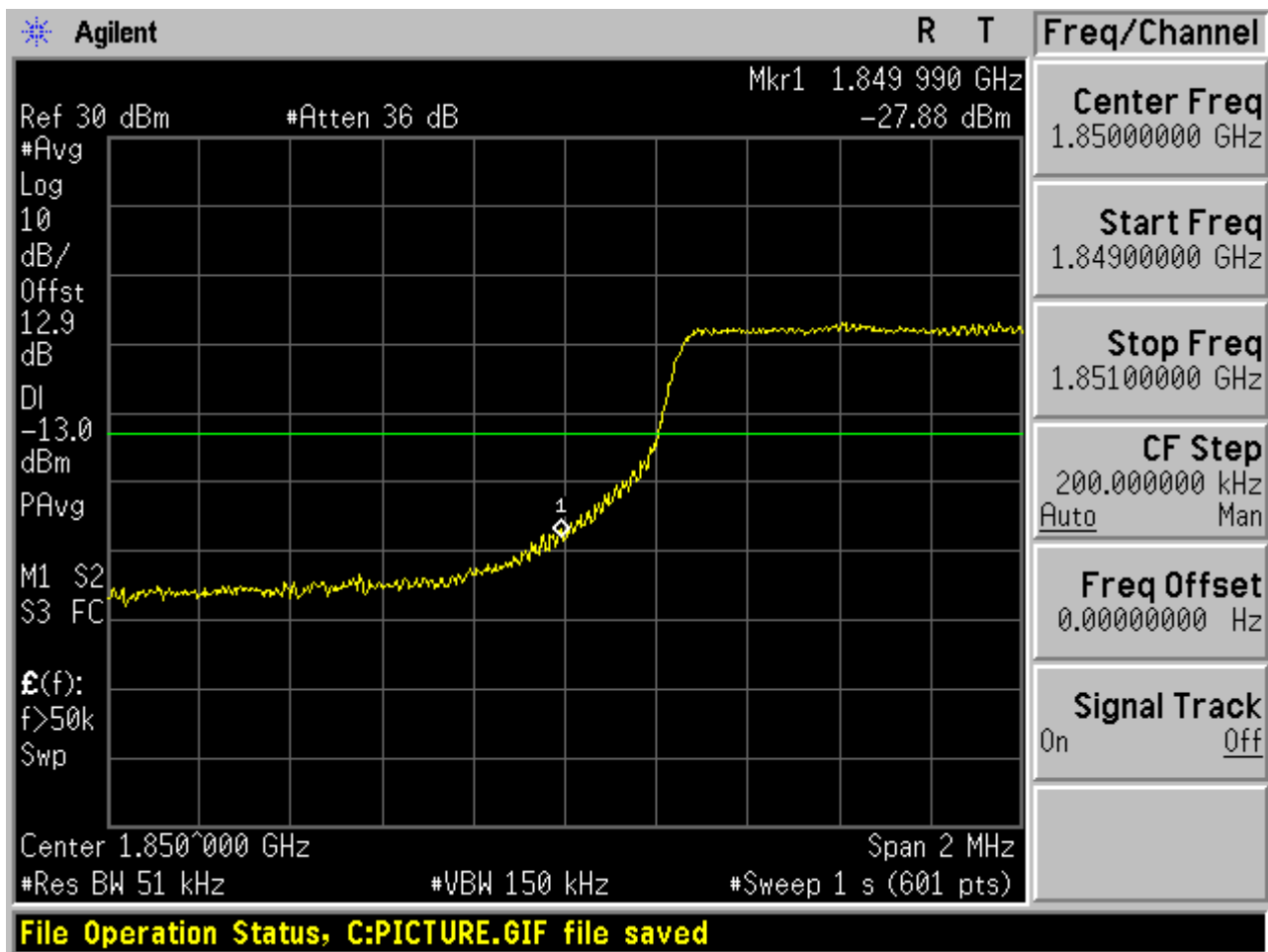


2.2.3.1.3 16QAM / non-1RB #mid/2





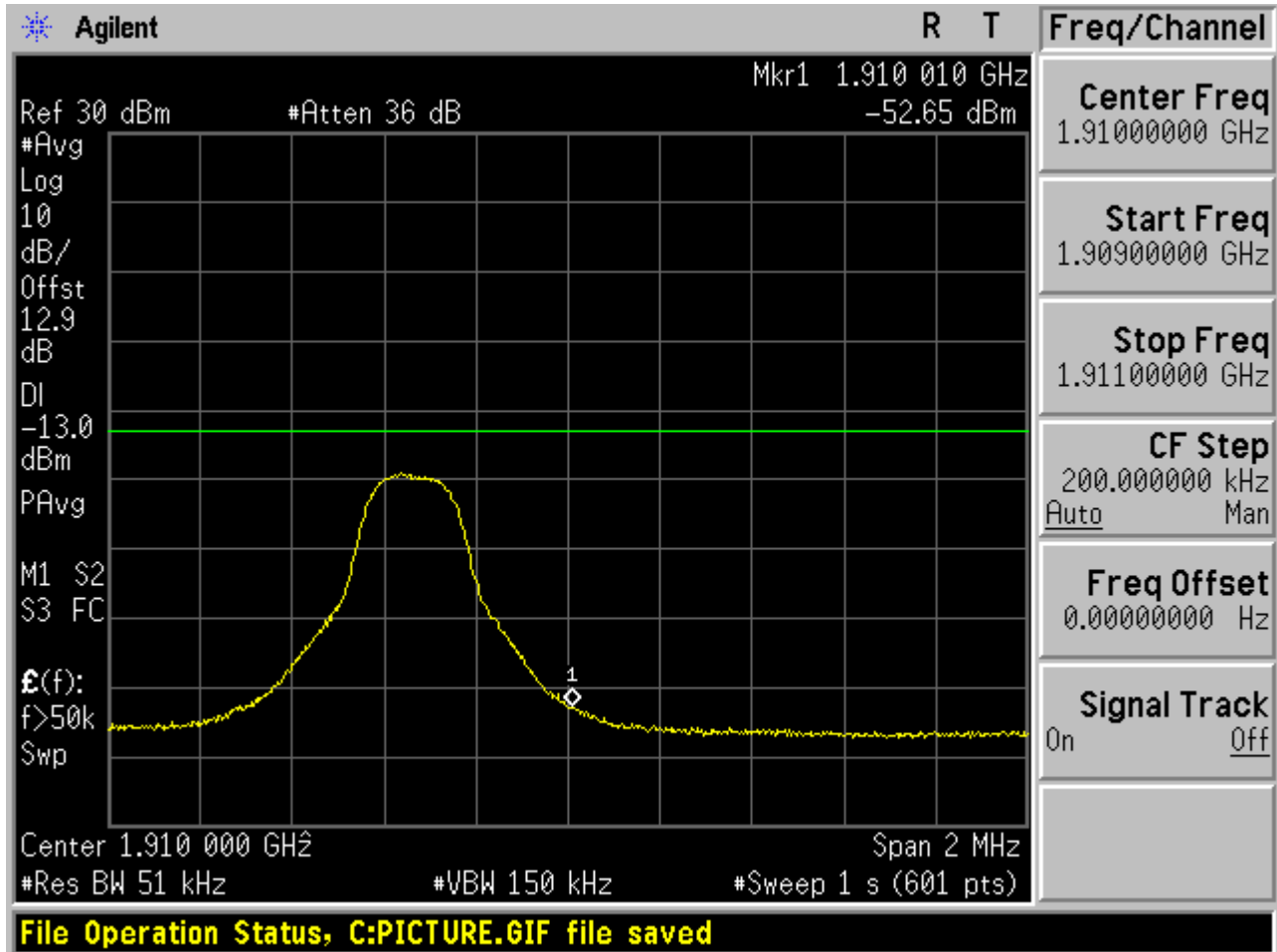
2.2.3.1.4 16QAM /full RBs





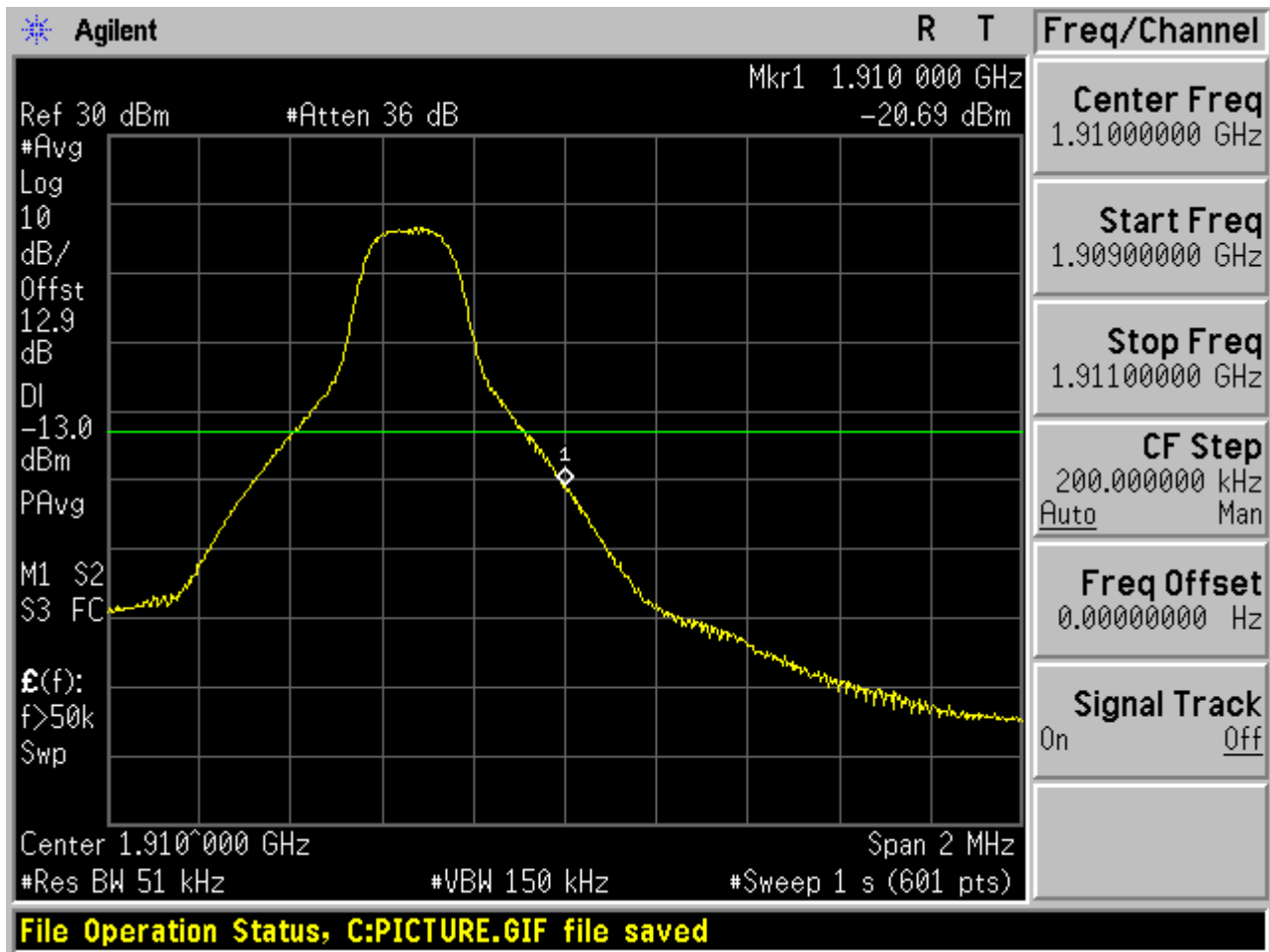
2.2.3.2 Channel= T

2.2.3.2.1 16QAM /1RB #0



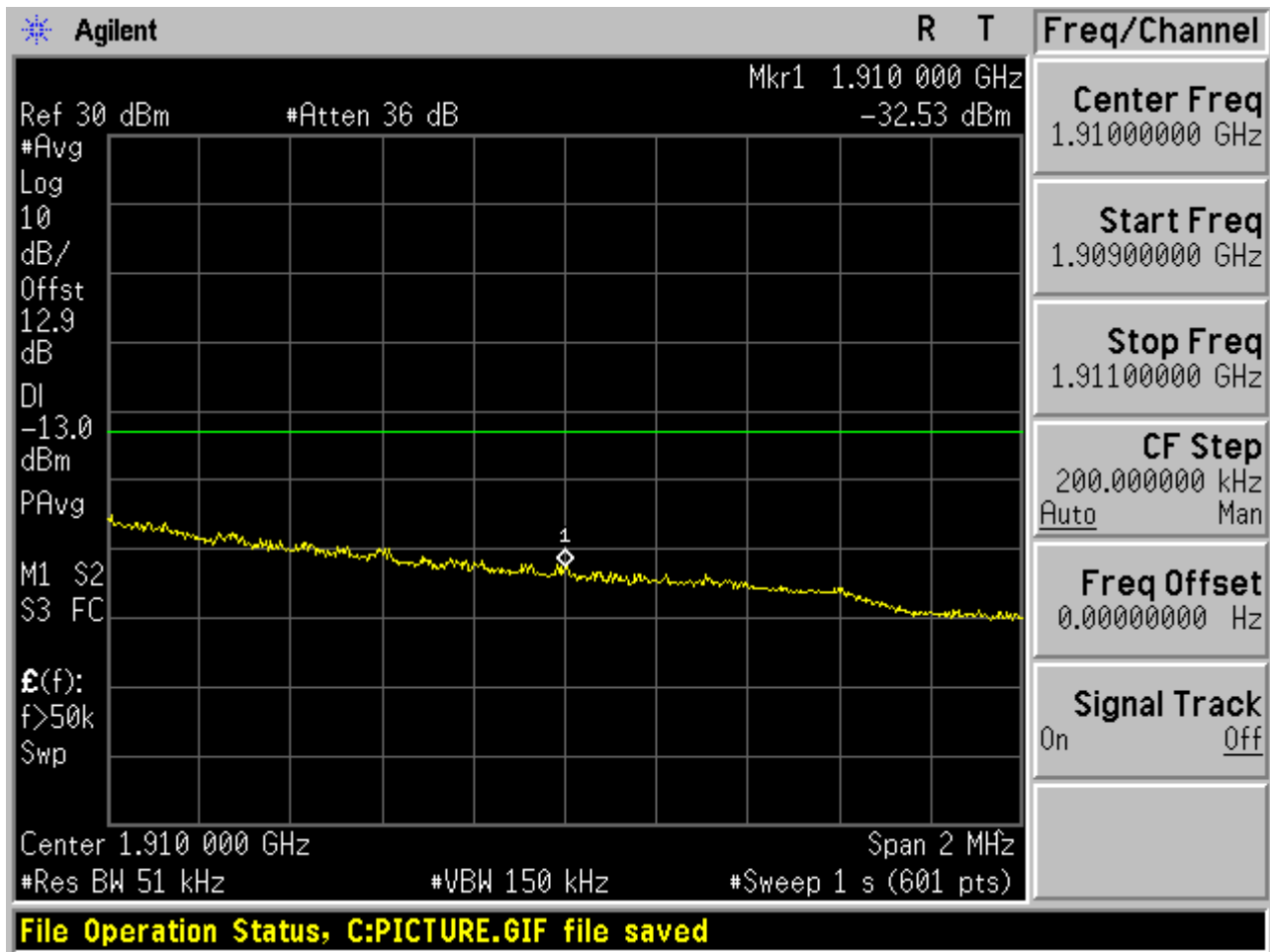


2.2.3.2.2 16QAM /1RB #max



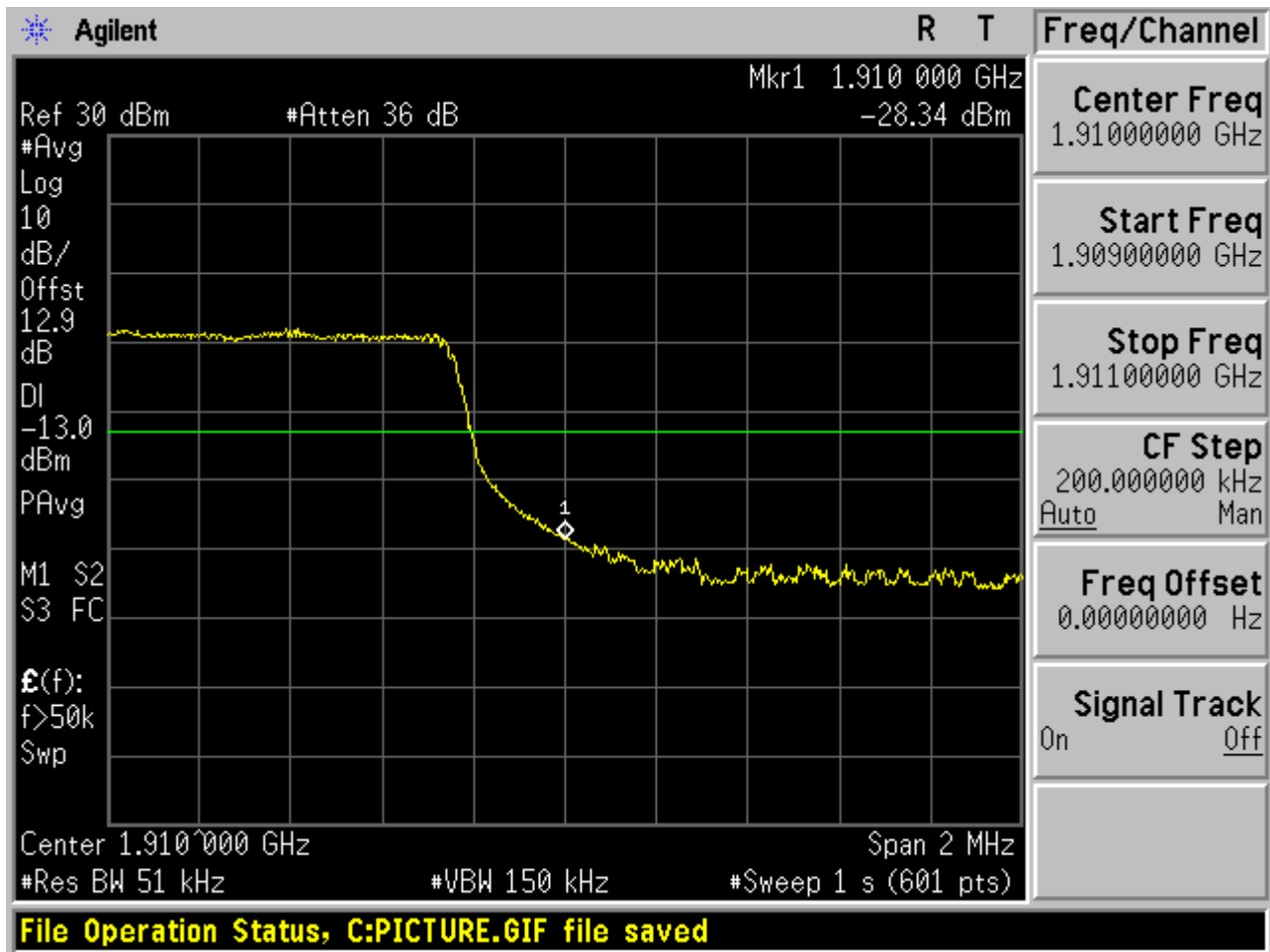


2.2.3.2.3 16QAM / non-1RB #mid/2





2.2.3.2.4 16QAM /full RBs

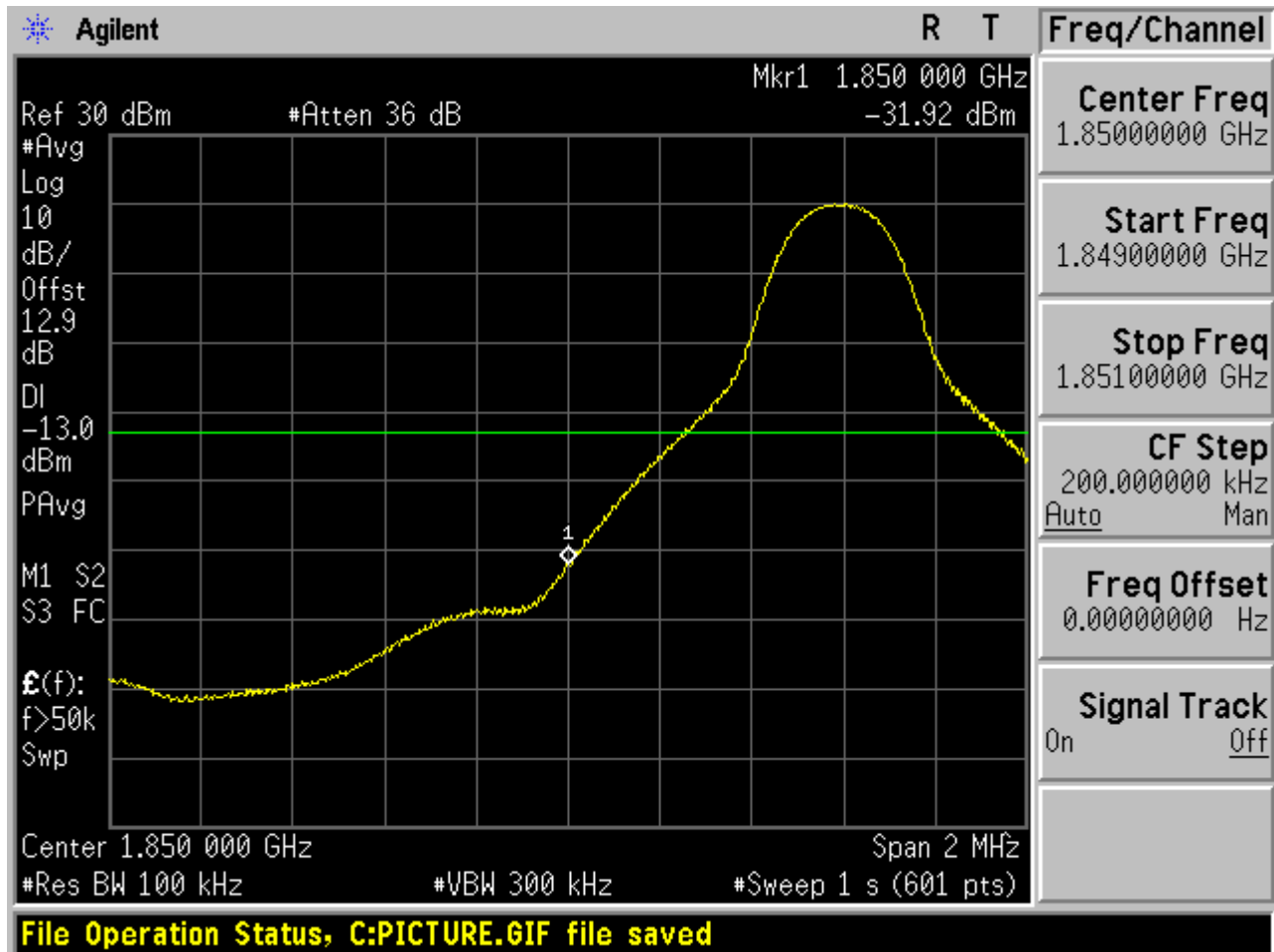




2.2.4 Channel Bandwidth = 10 MHz

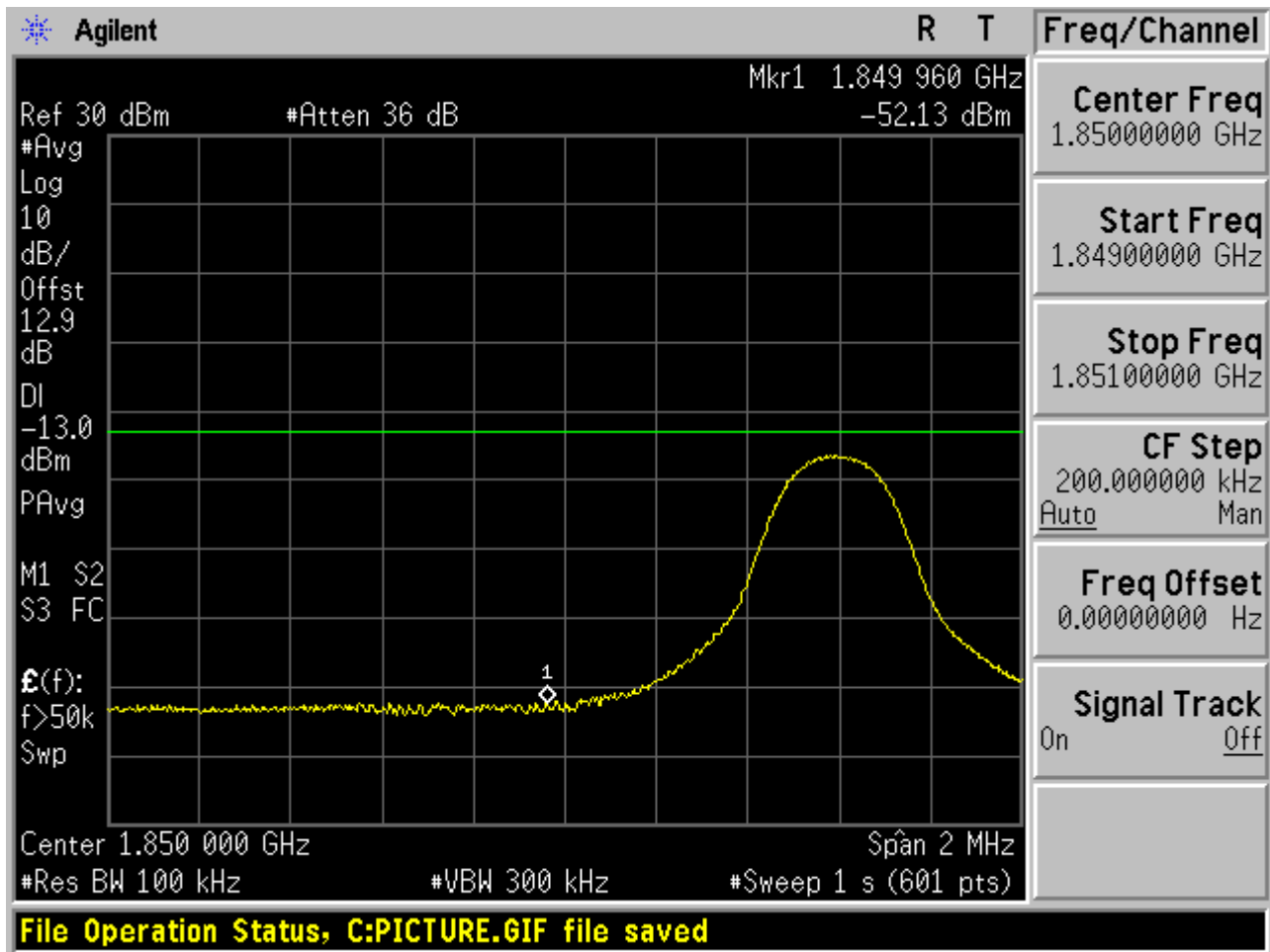
2.2.4.1 Channel= B

2.2.4.1.1 16QAM/1RB #0

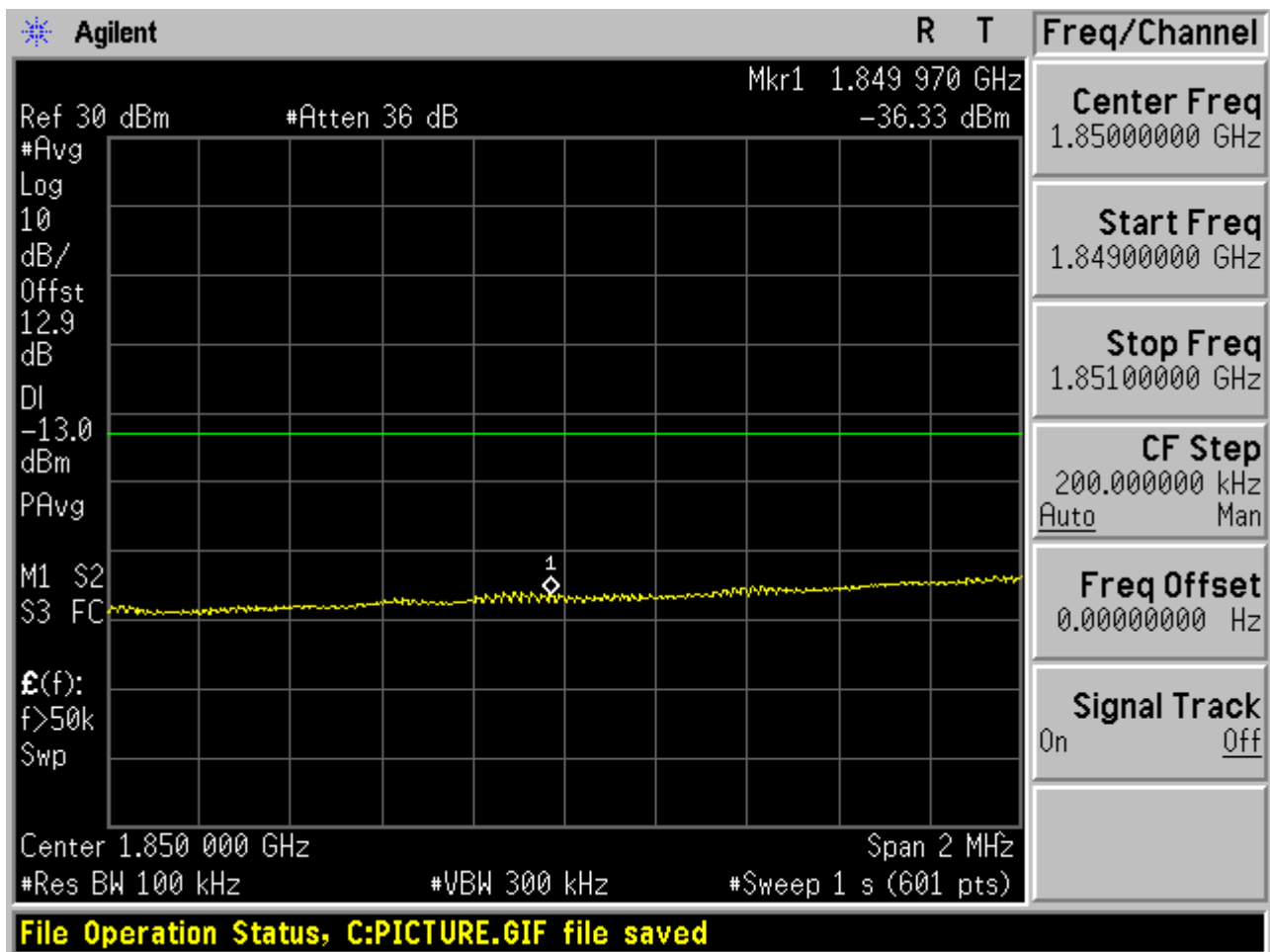




2.2.4.1.2 16QAM/1RB #max

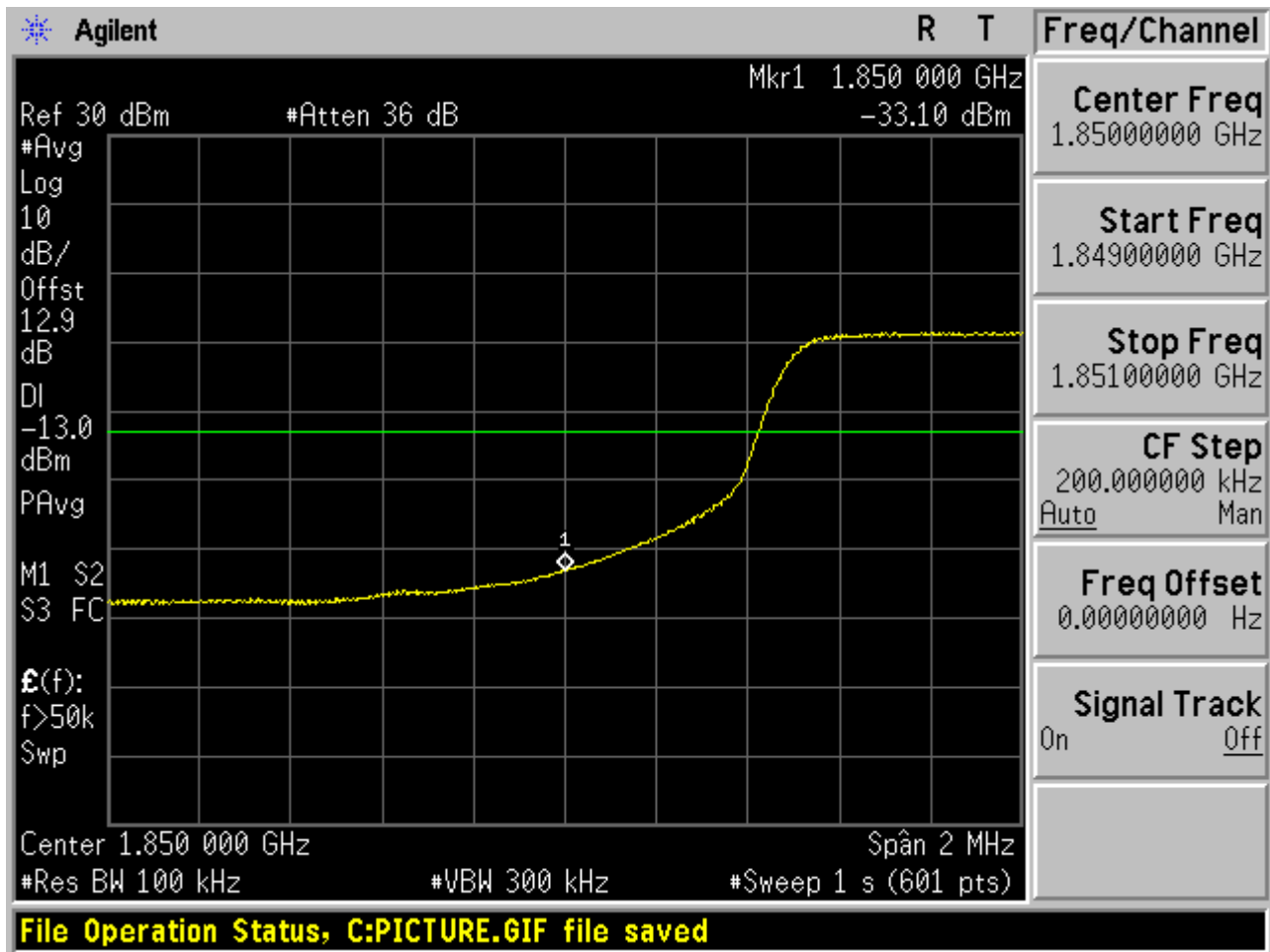


2.2.4.1.3 16QAM / non-1RB #mid/2





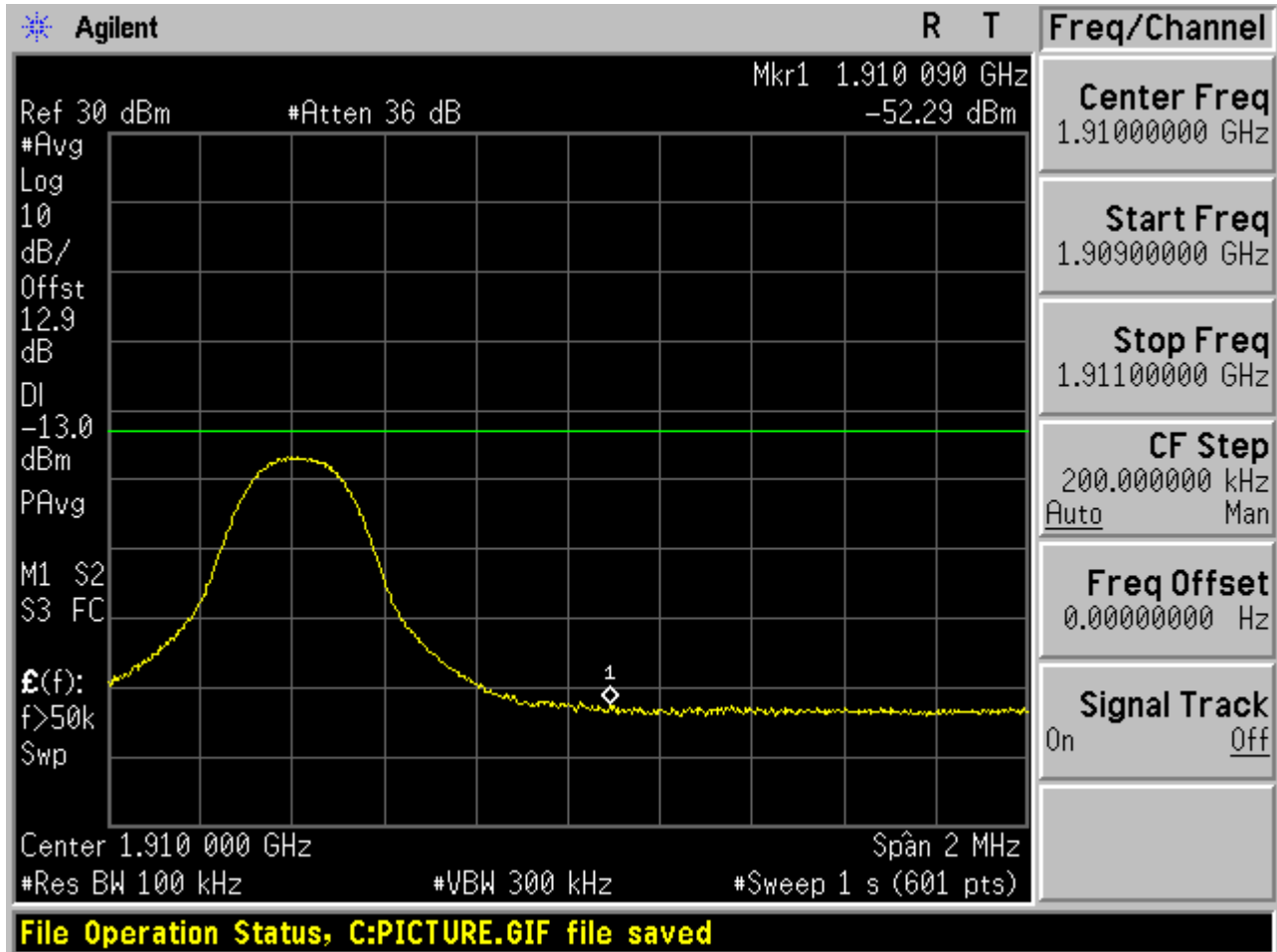
2.2.4.1.4 16QAM /full RBs





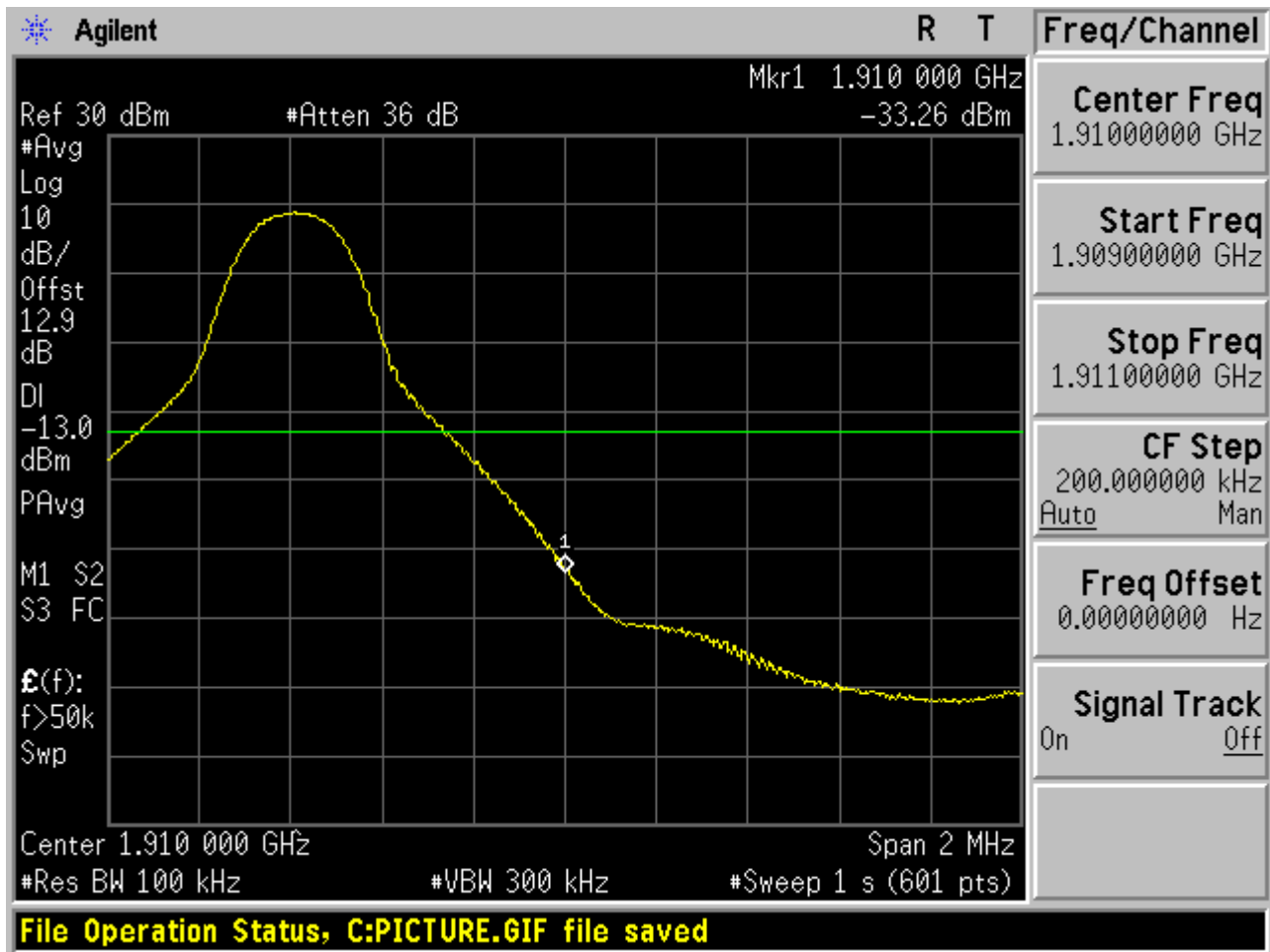
2.2.4.2 Channel= T

2.2.4.2.1 16QAM /1RB #0



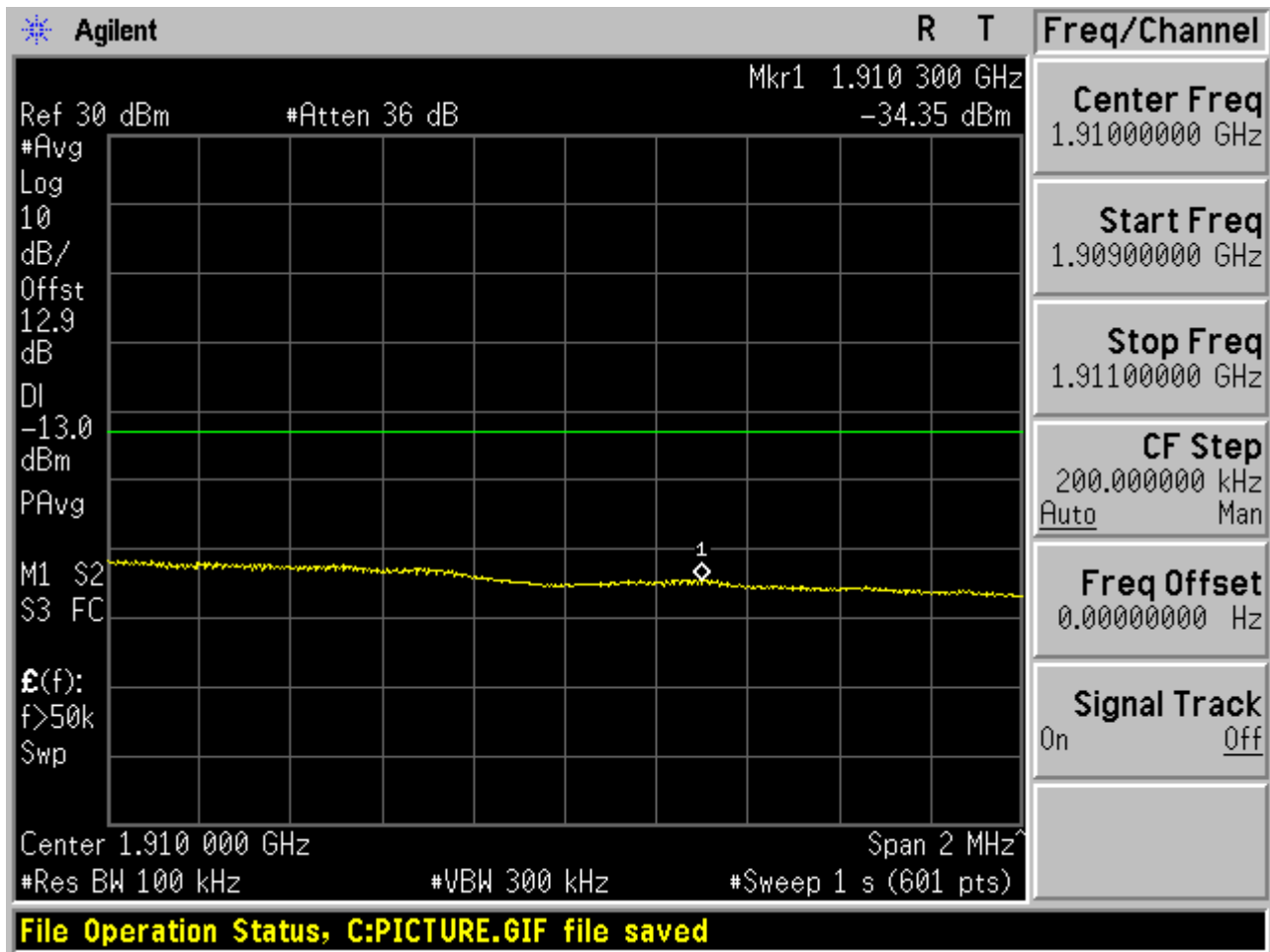


2.2.4.2.2 16QAM /1RB #max



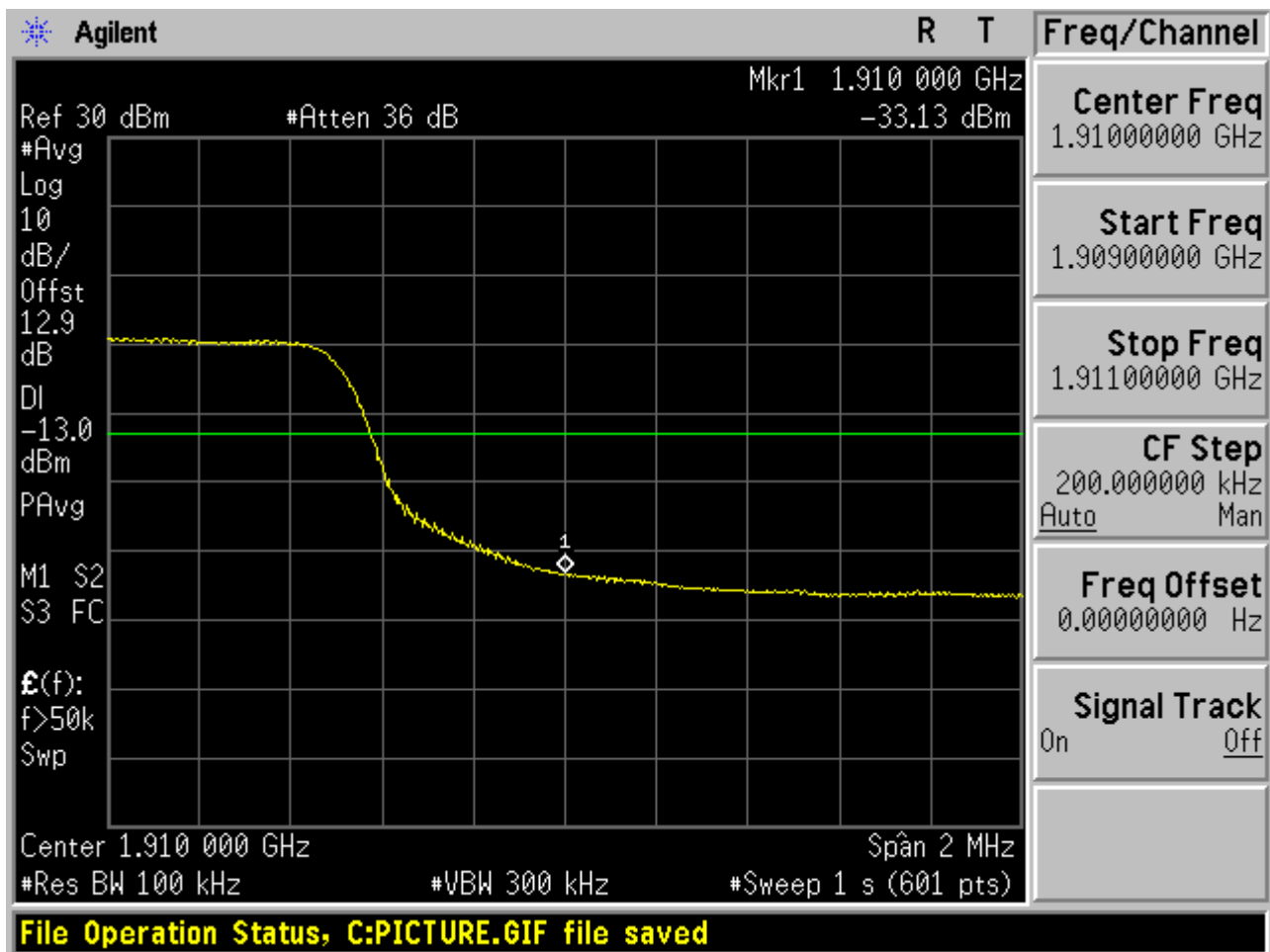


2.2.4.2.3 16QAM / non-1RB #mid/2





2.2.4.2.4 16QAM /full RBs

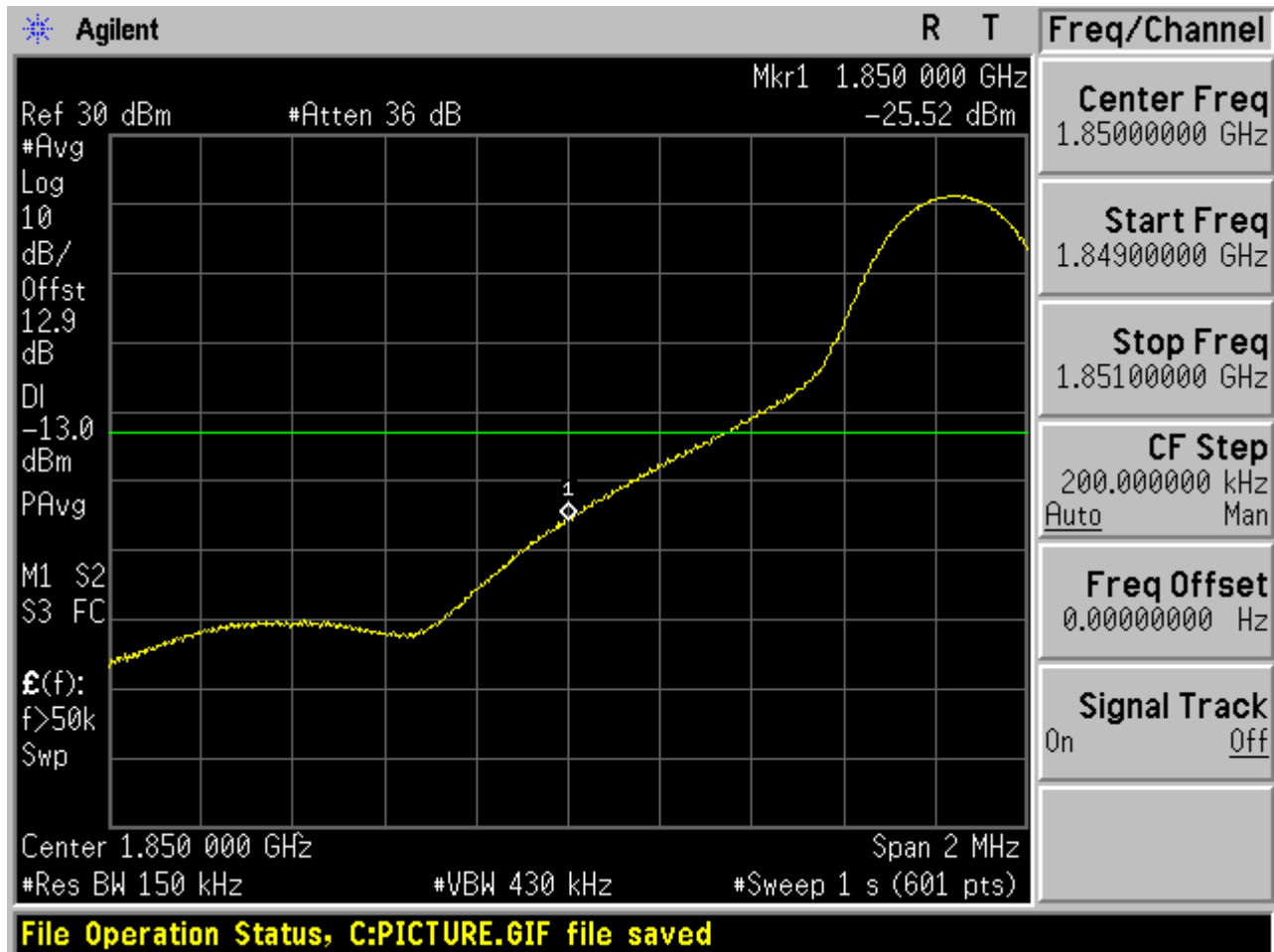




2.2.5 Channel Bandwidth = 15 MHz

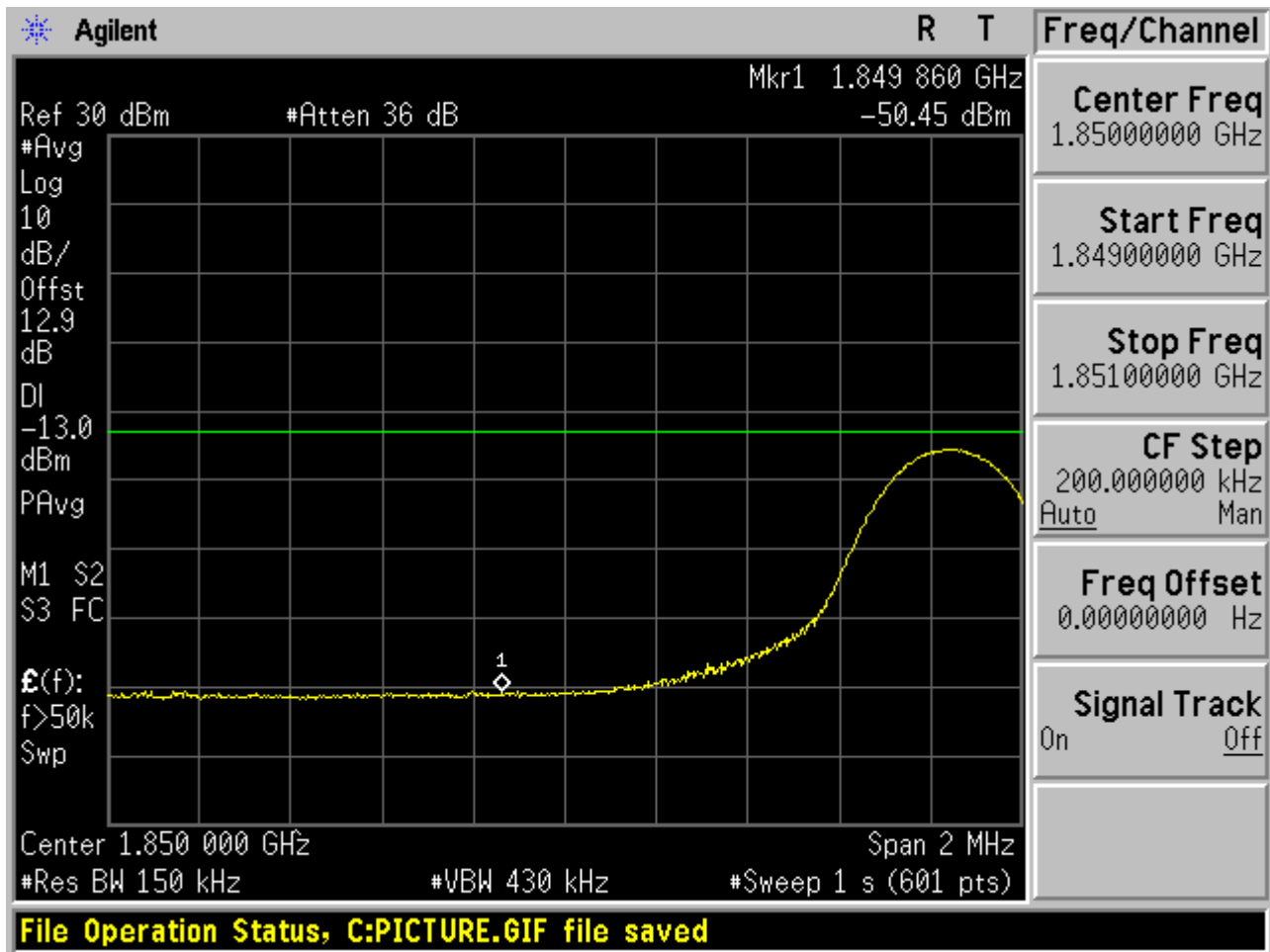
2.2.5.1 Channel= B

2.2.5.1.1 16QAM/1RB #0



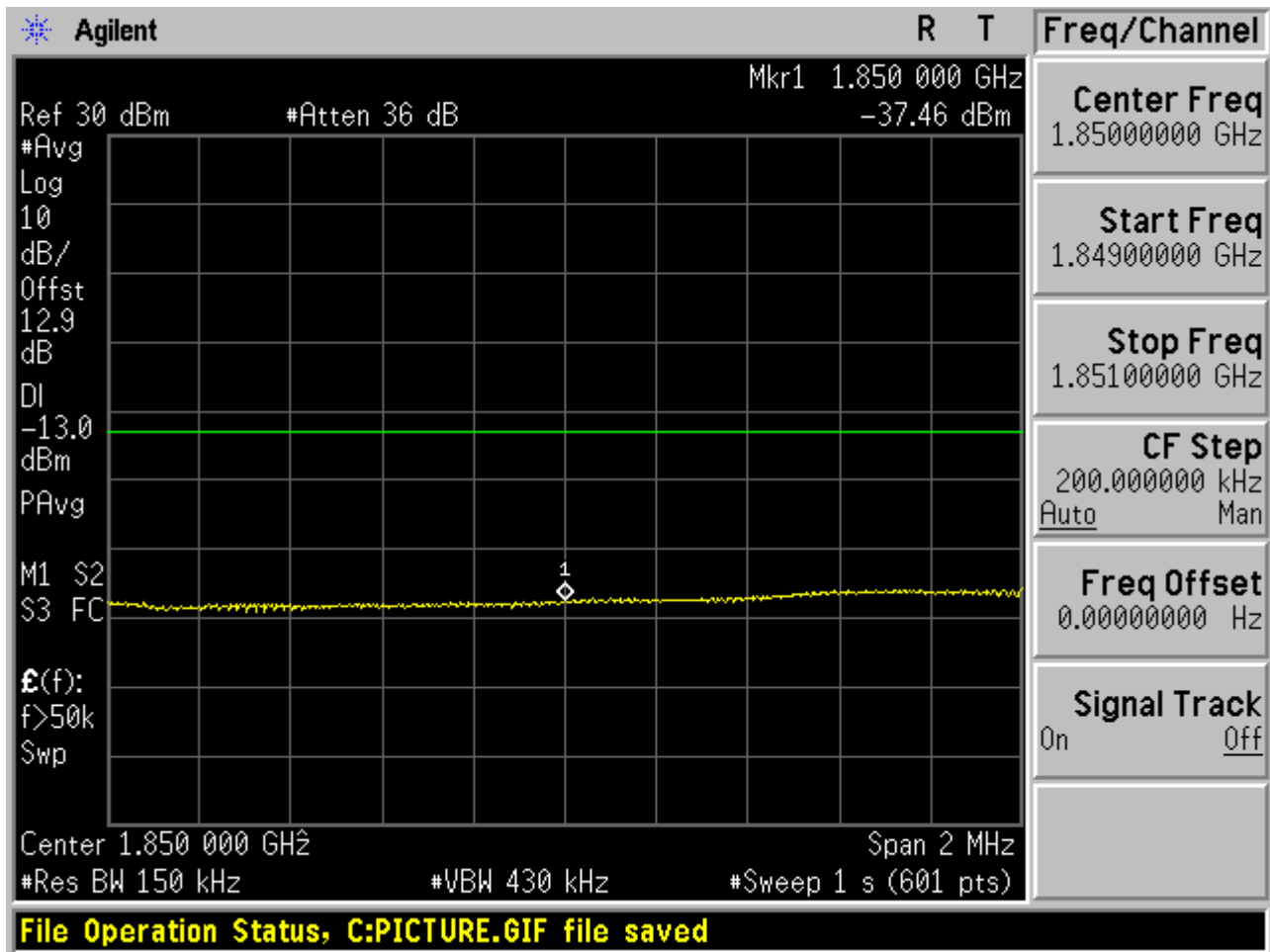


2.2.5.1.2 16QAM/1RB #max



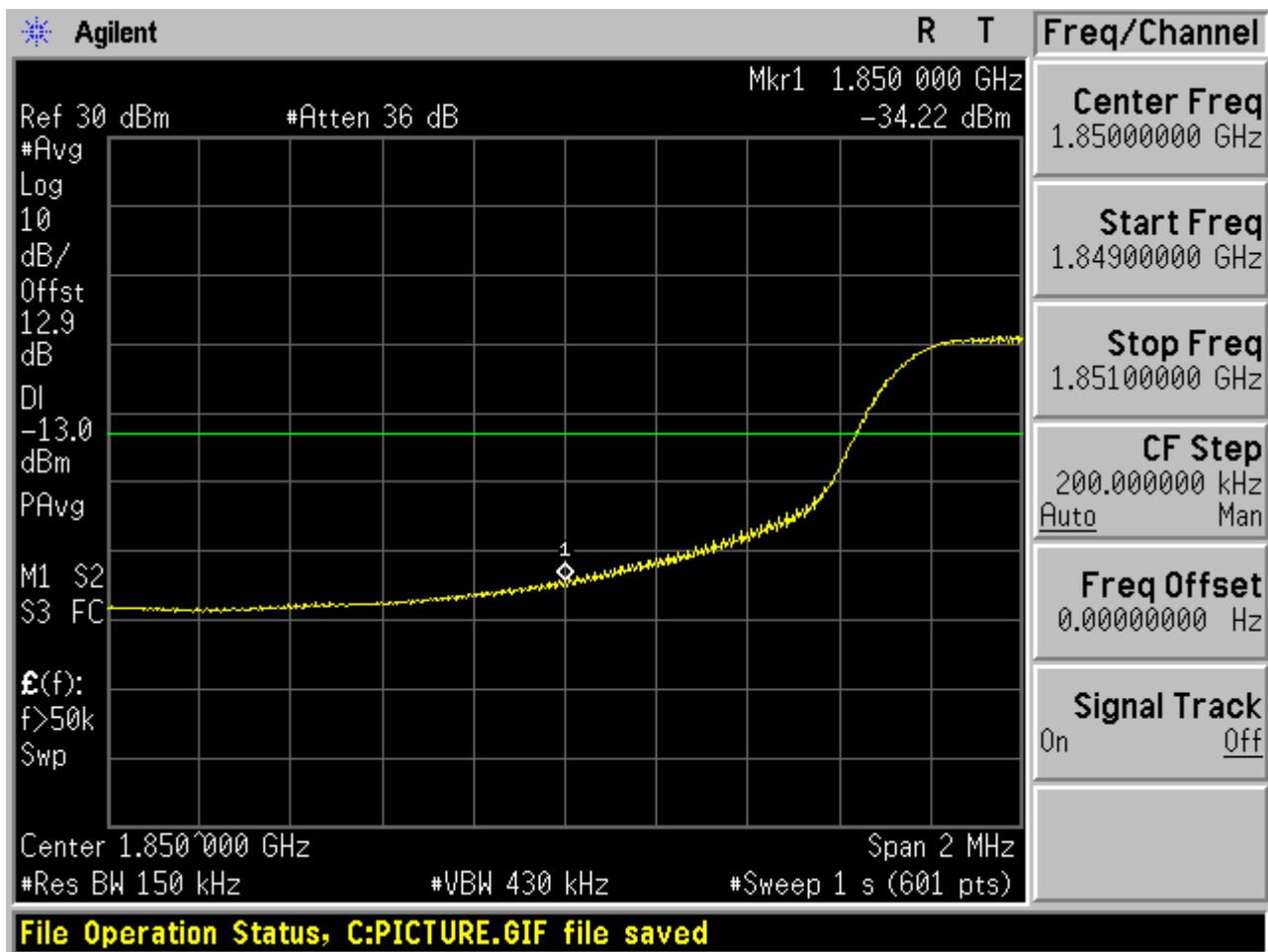


2.2.5.1.3 16QAM / non-1RB #mid/2





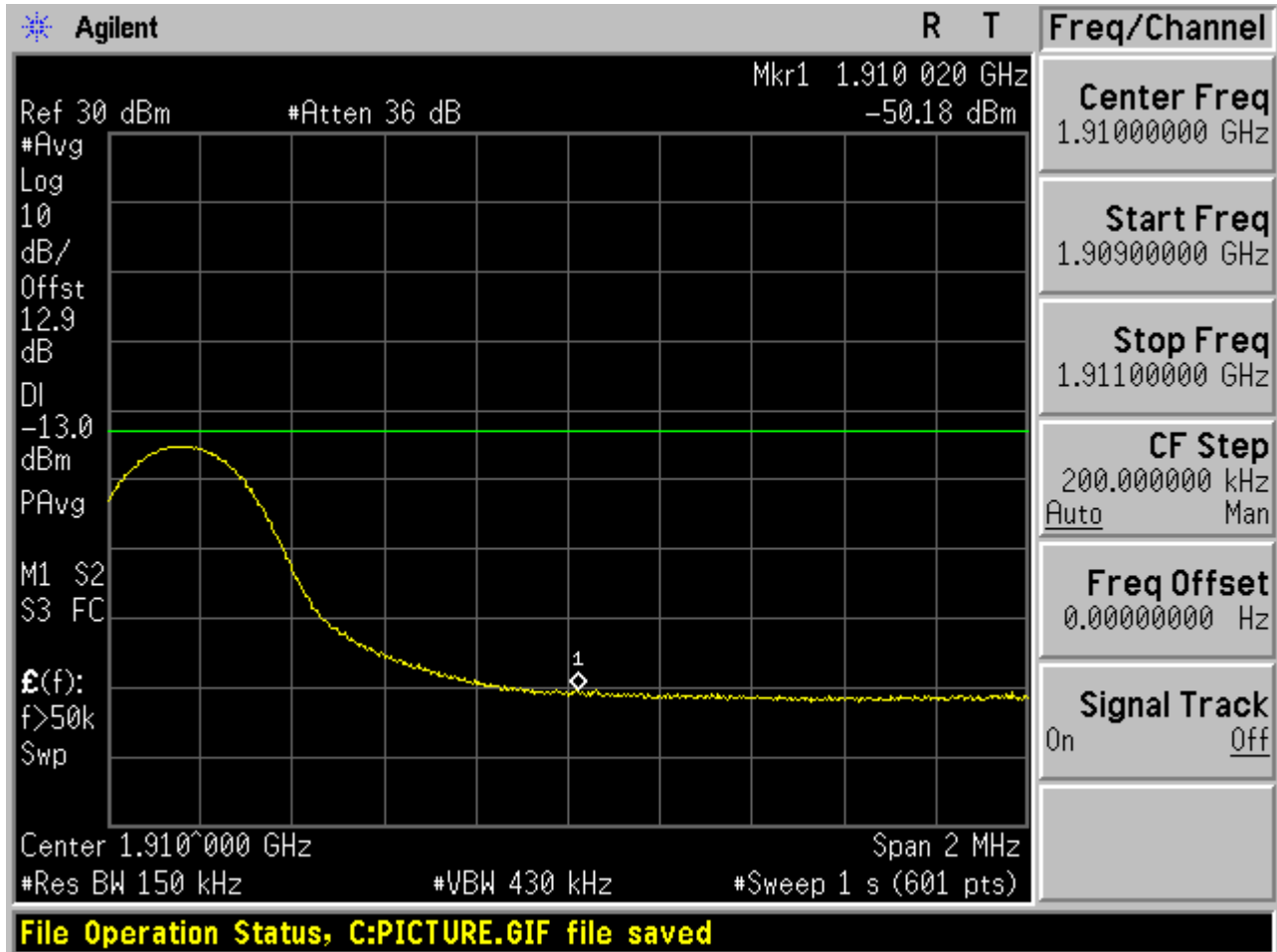
2.2.5.1.4 16QAM /full RBs





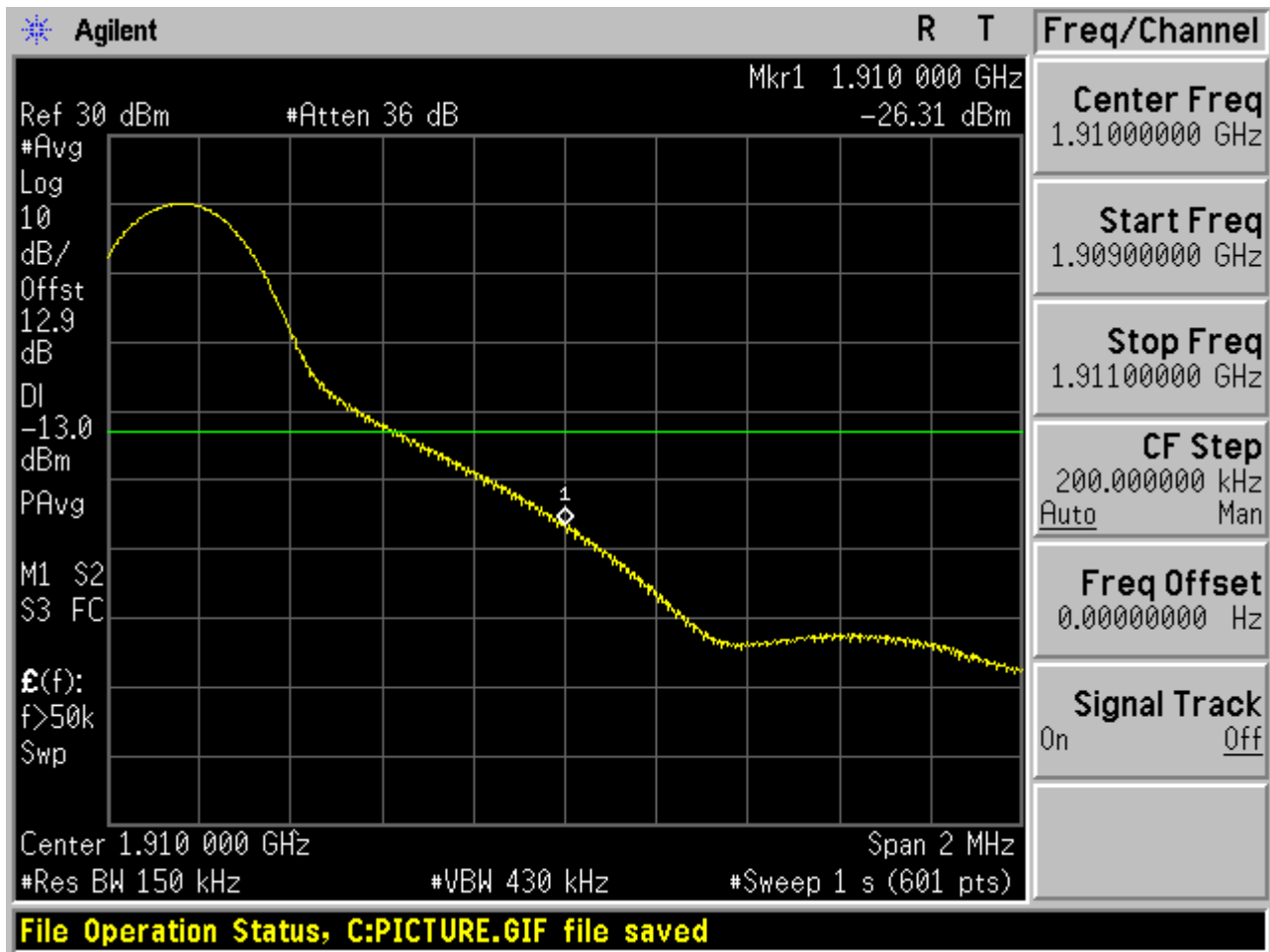
2.2.5.2 Channel= T

2.2.5.2.1 16QAM /1RB #0



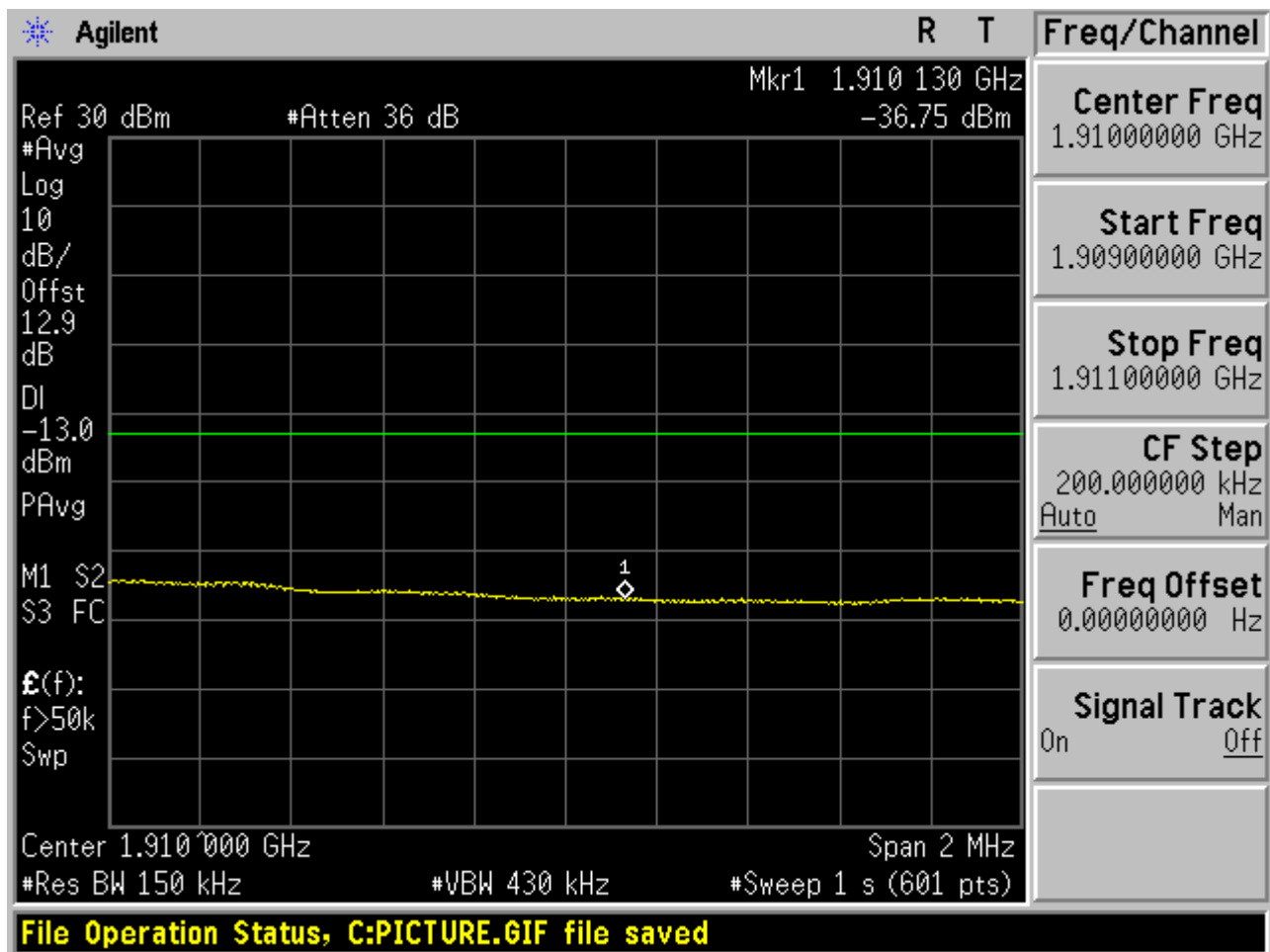


2.2.5.2.2 16QAM /1RB #max



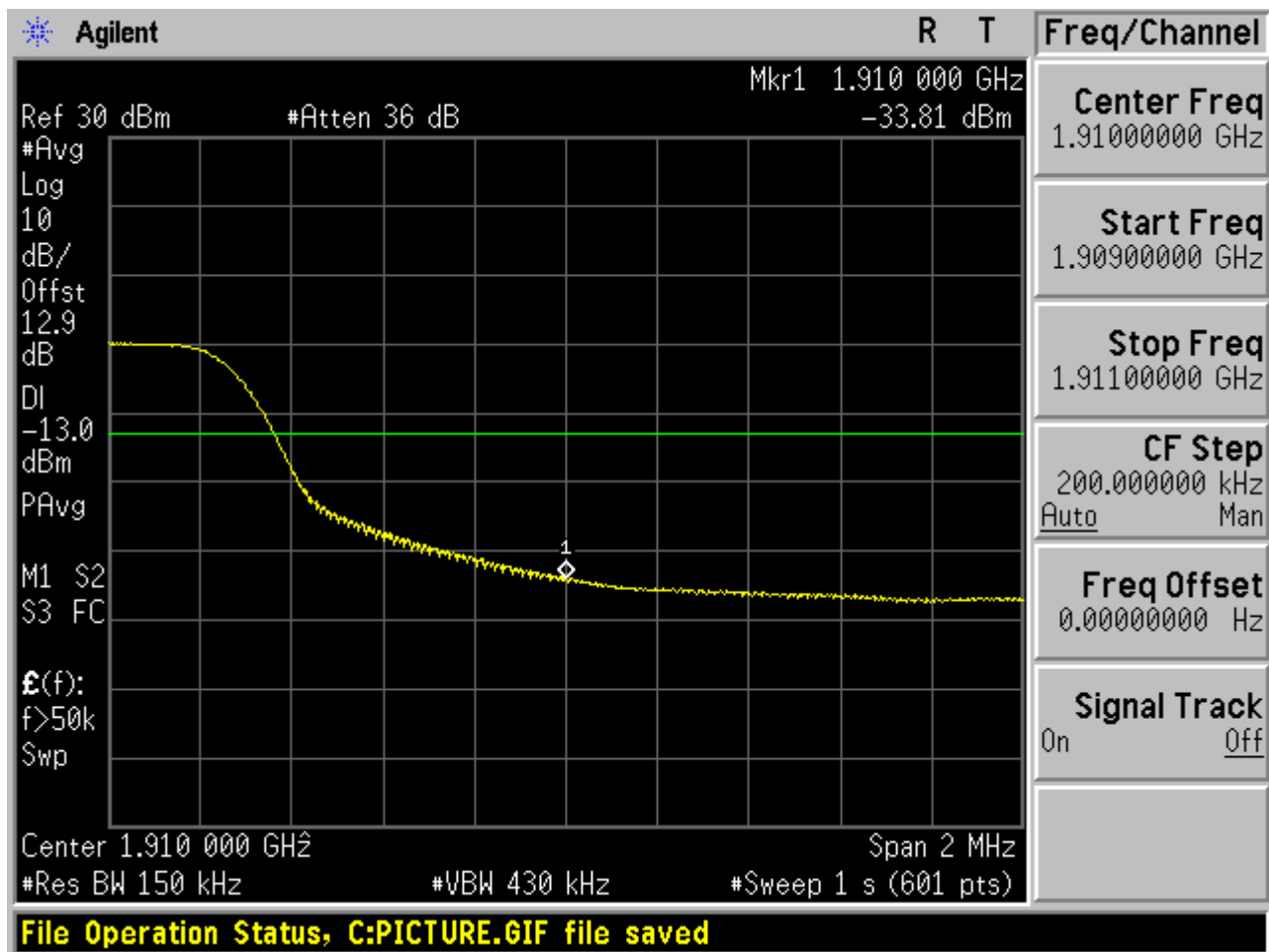


2.2.5.2.3 16QAM / non-1RB #mid/2





2.2.5.2.4 16QAM /full RBs

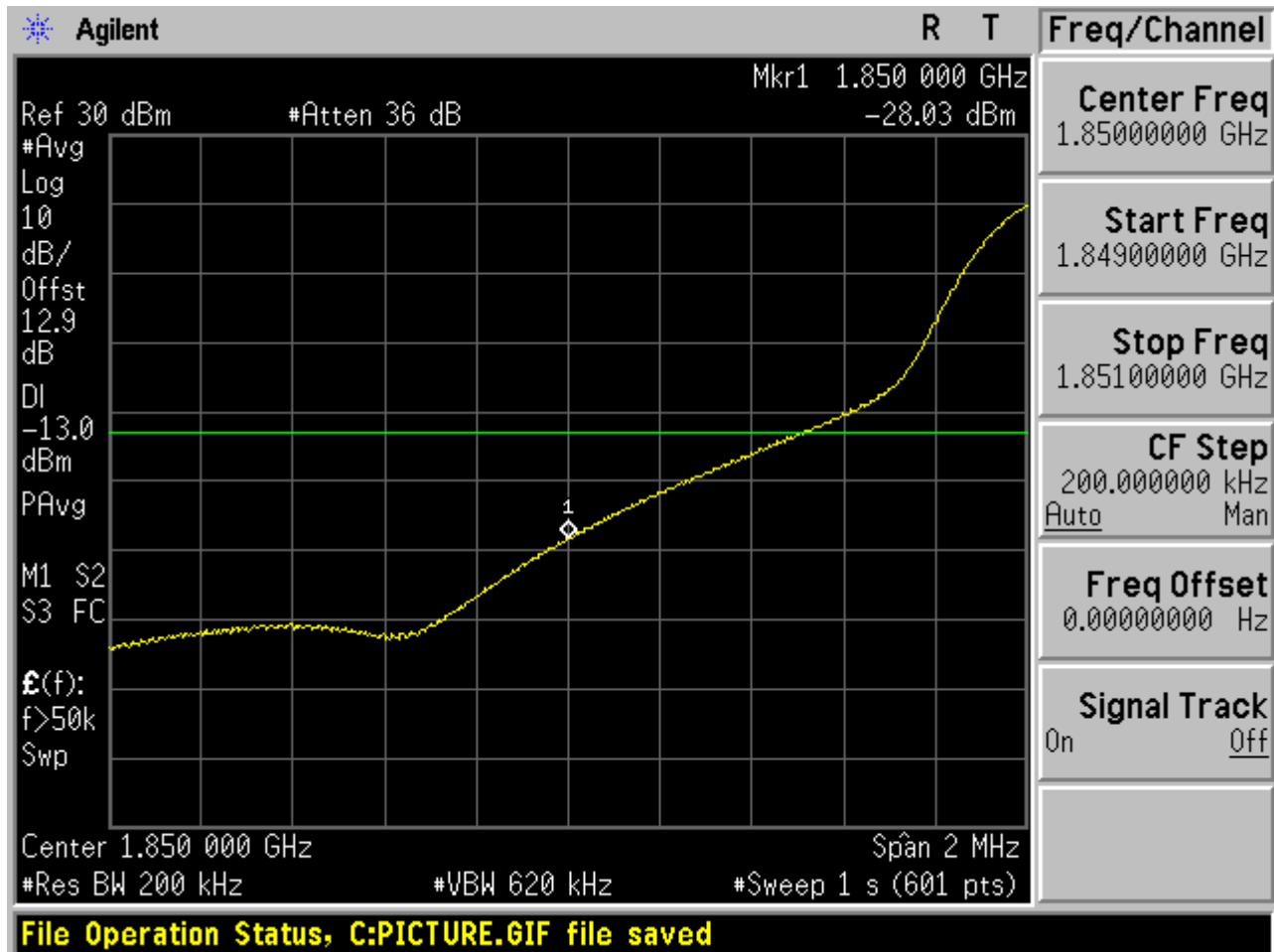




2.2.6 Channel Bandwidth = 20 MHz

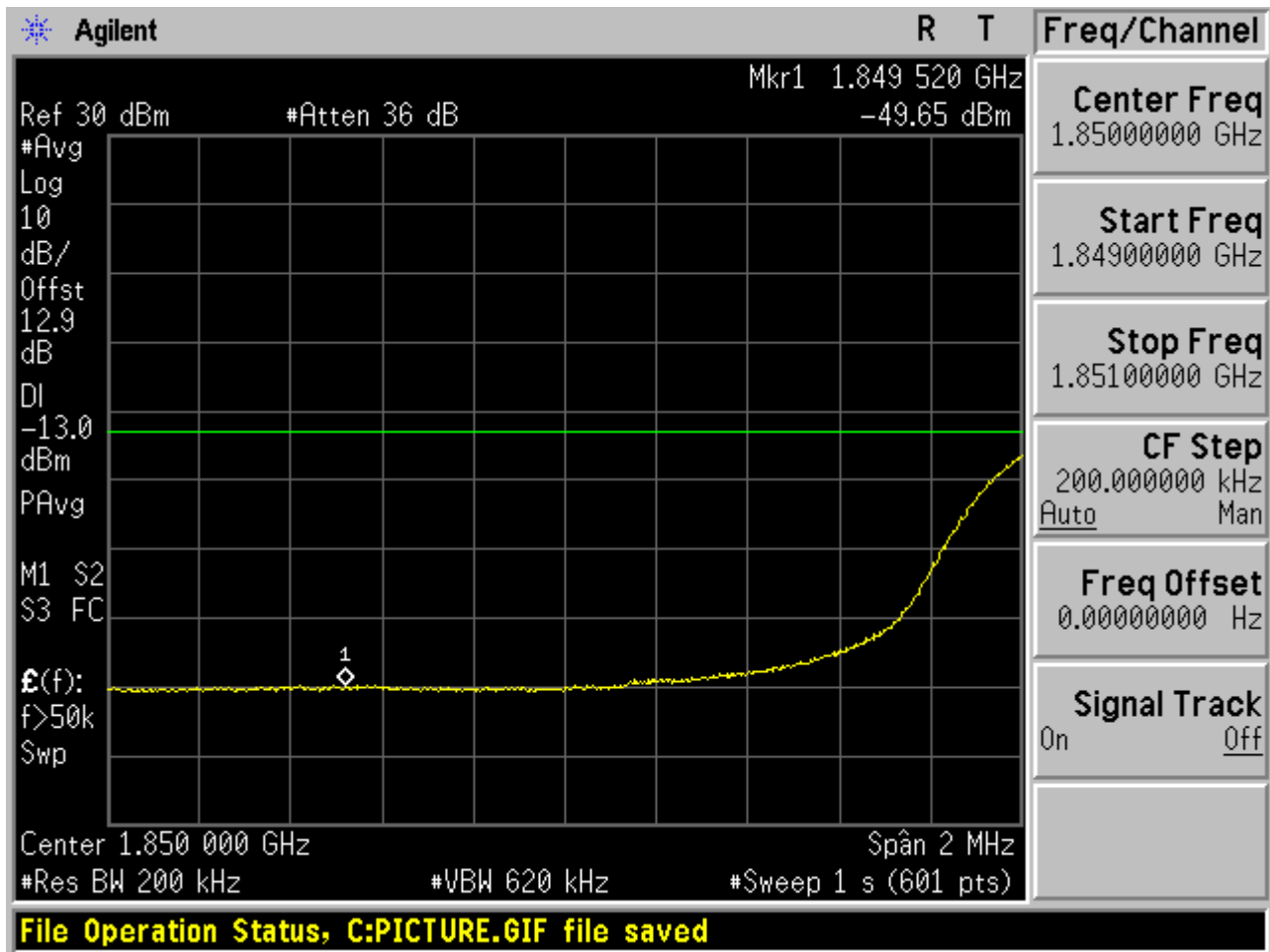
2.2.6.1 Channel= B

2.2.6.1.1 16QAM/1RB #0



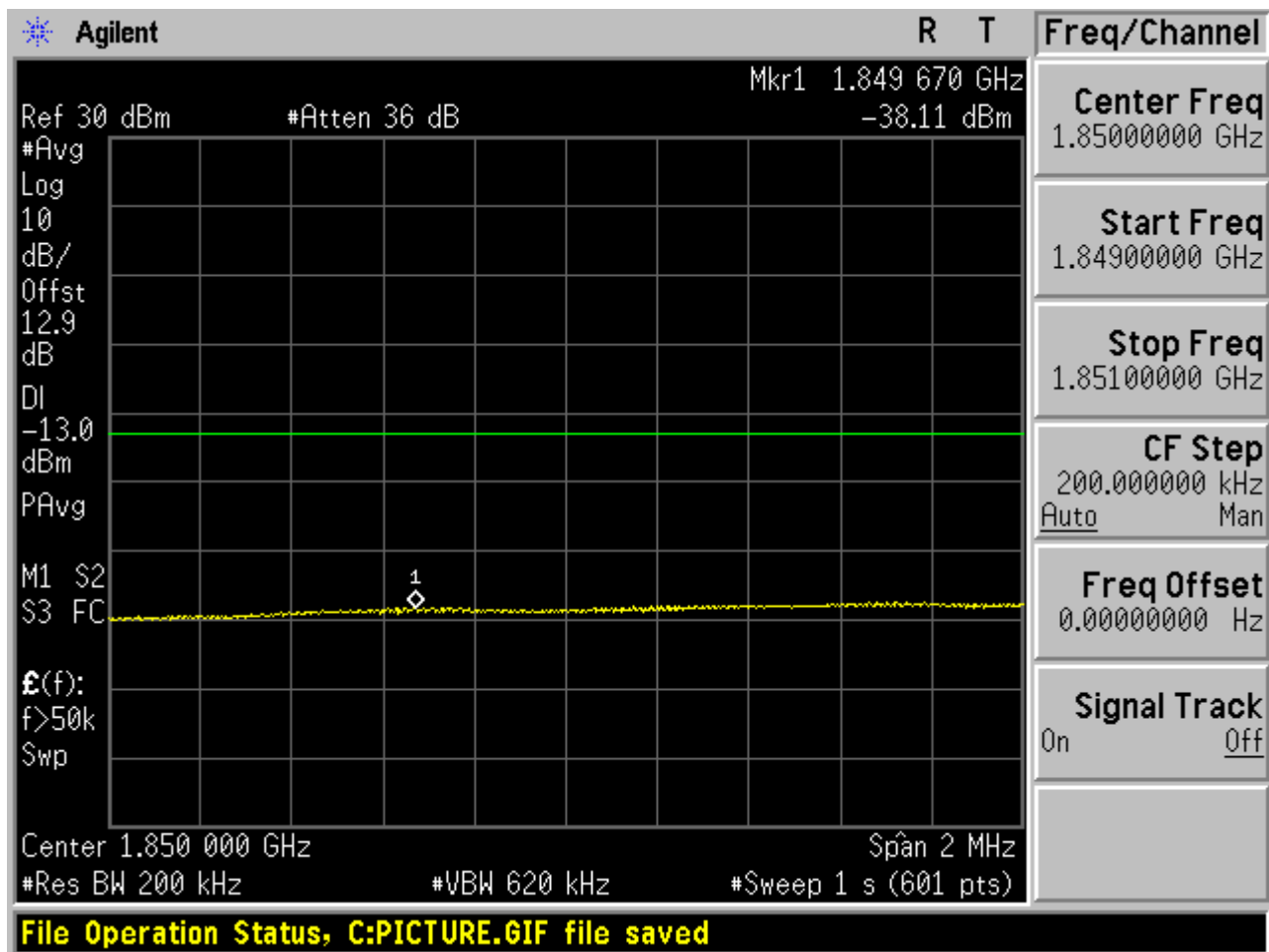


2.2.6.1.2 16QAM/1RB #max



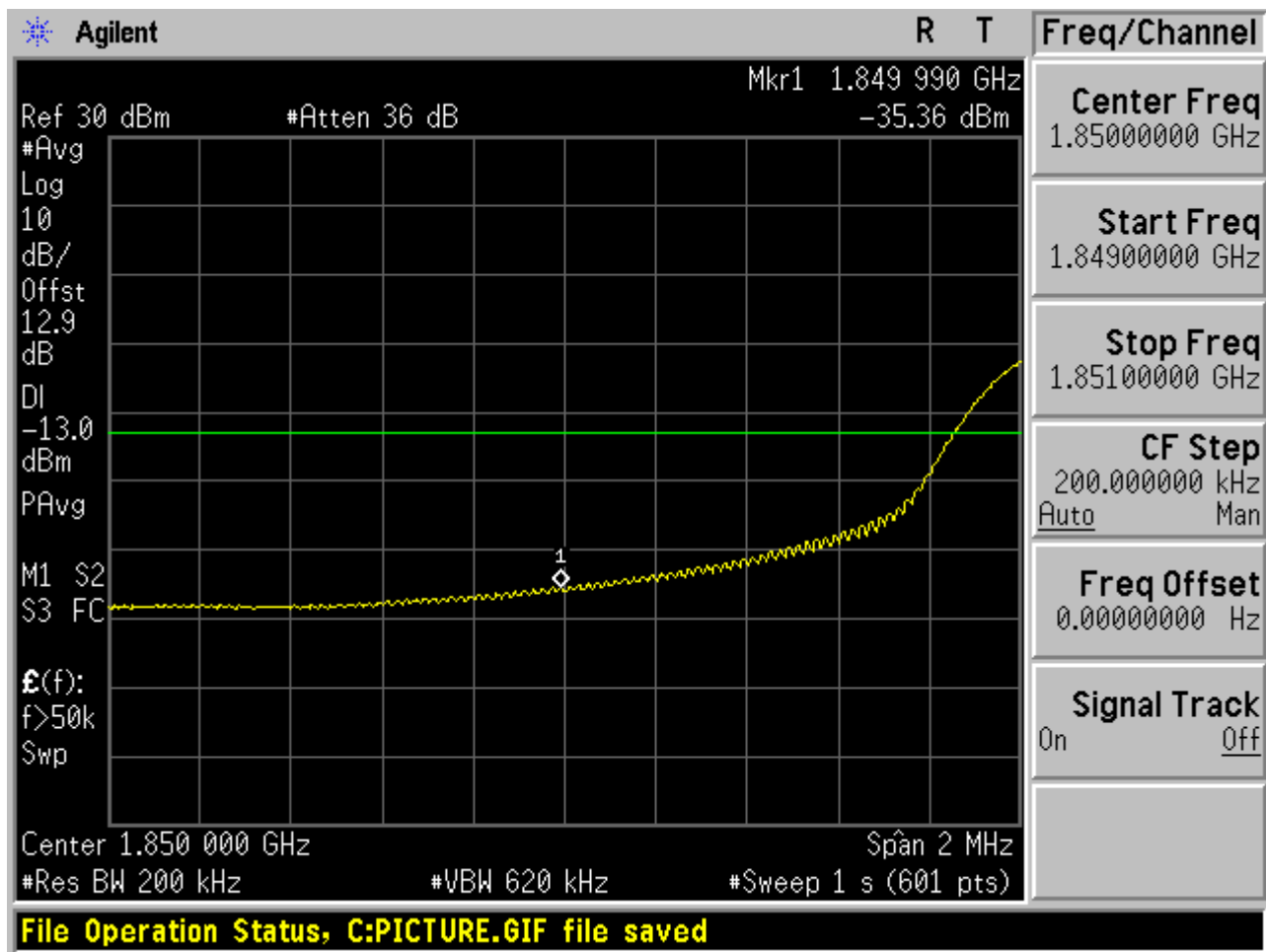


2.2.6.1.3 16QAM / non-1RB #mid/2





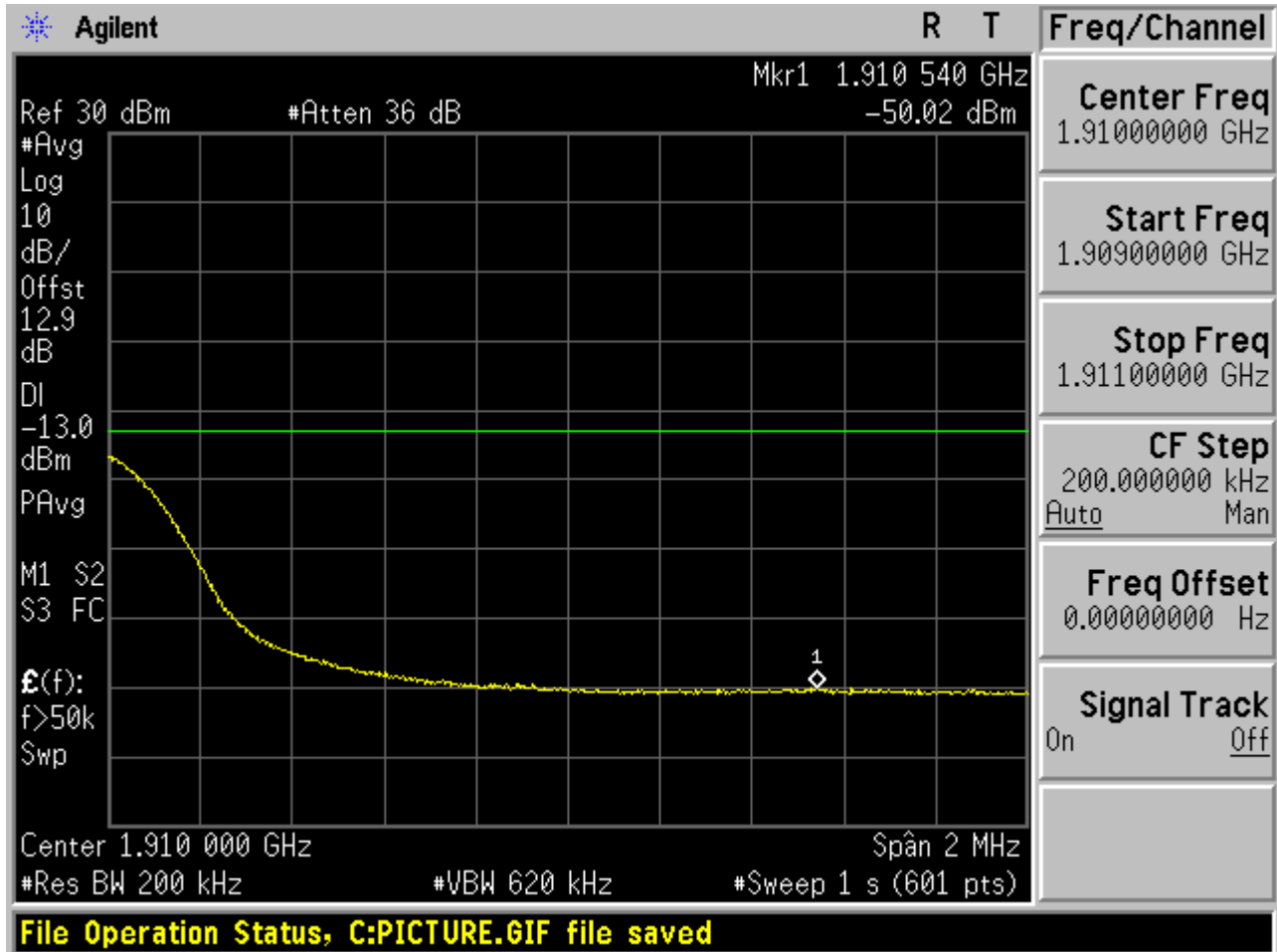
2.2.6.1.4 16QAM /full RBs





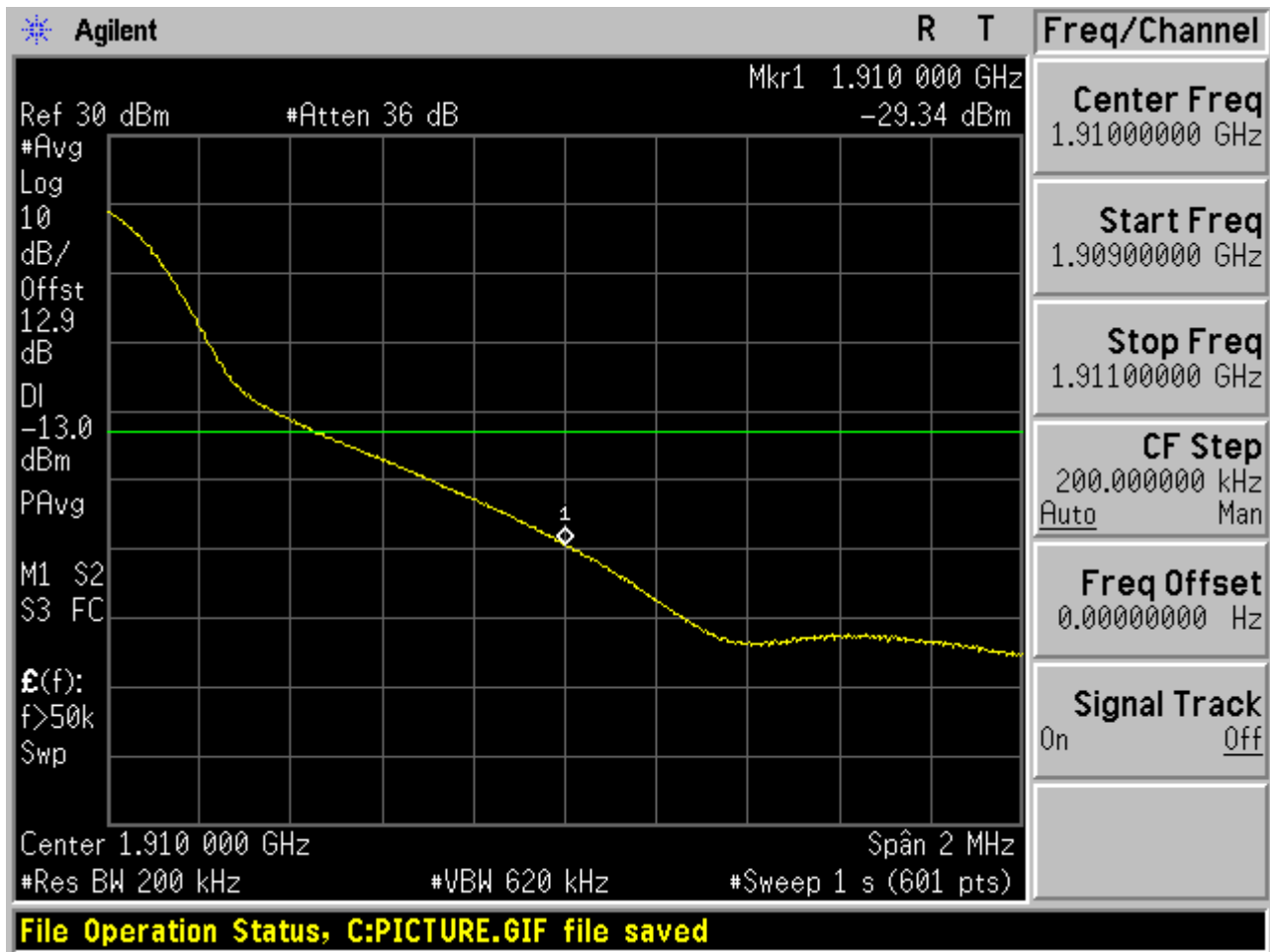
2.2.6.2 Channel= T

2.2.6.2.1 16QAM /1RB #0



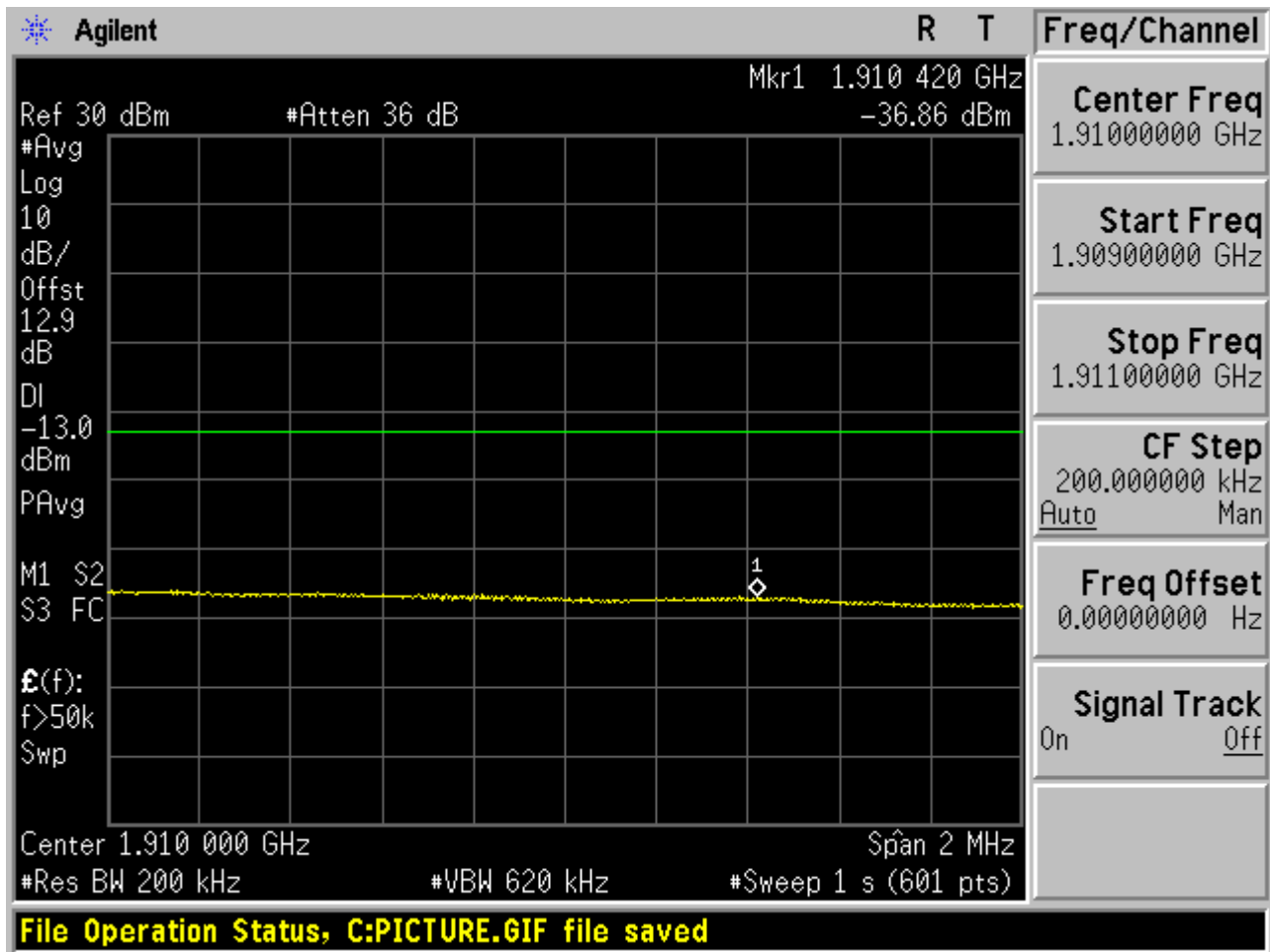


2.2.6.2.2 16QAM /1RB #max



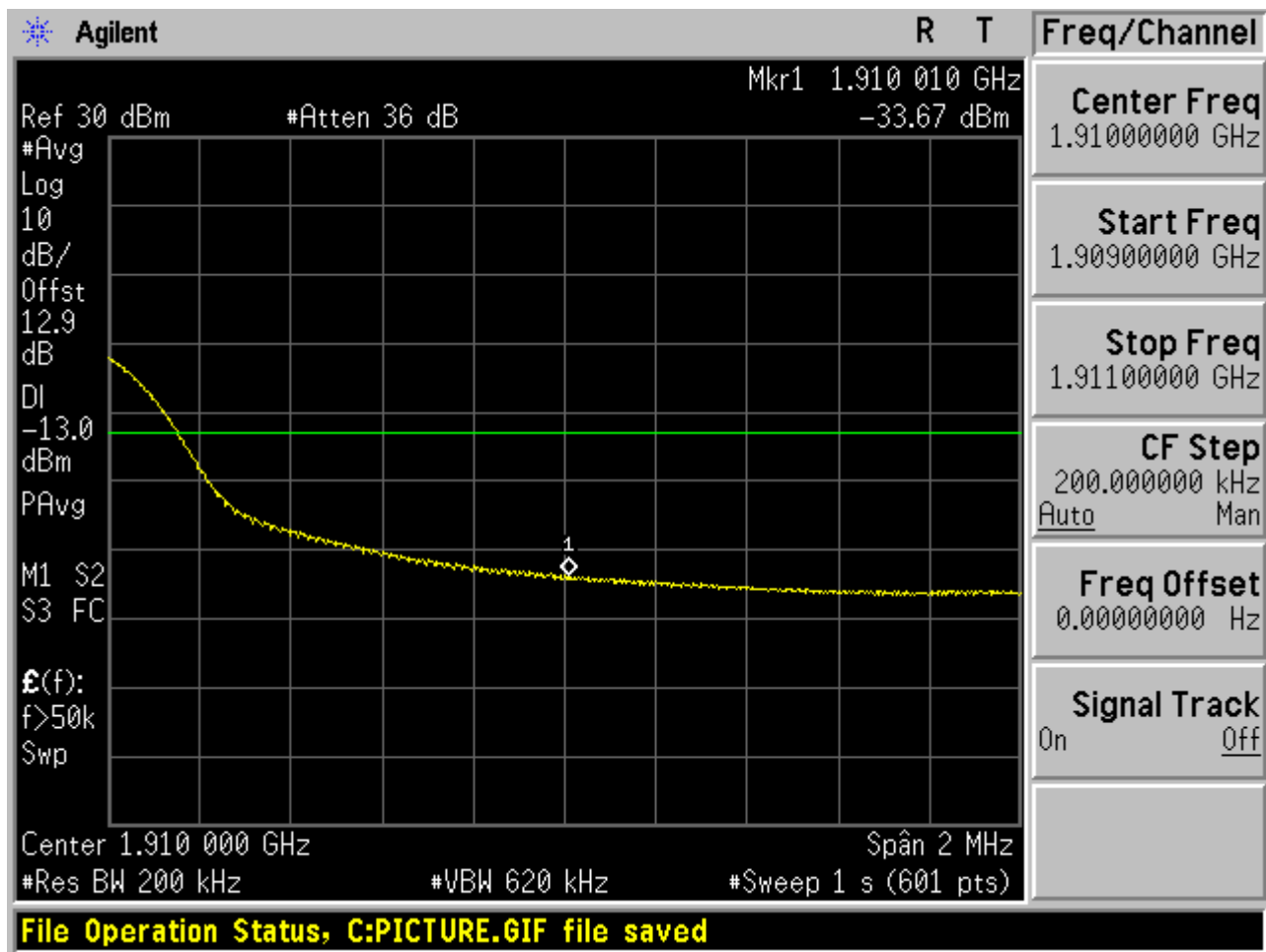


2.2.6.2.3 16QAM / non-1RB #mid/2





2.2.6.2.4 16QAM /full RBs



-----END-----



Appendix E

Spurious Emission at Antenna Terminal

According to FCC part 2.1051 & Part 24.238 & RSS-133



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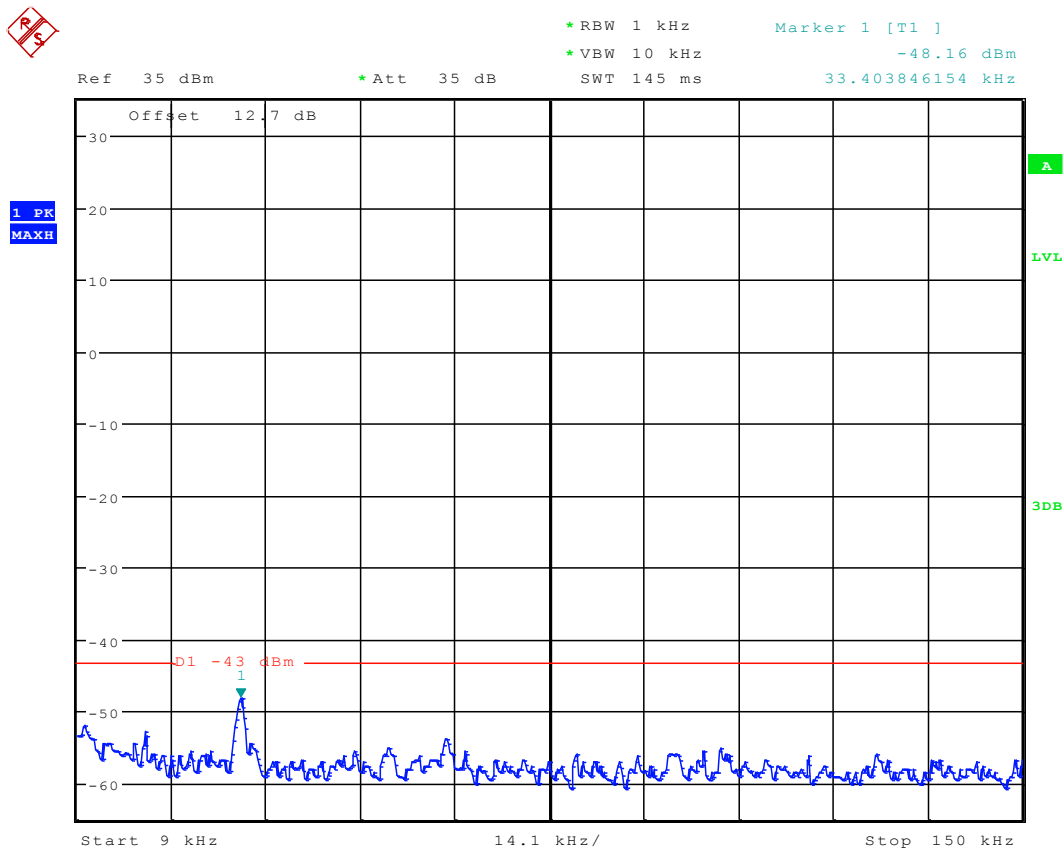
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1 For WCDMA Band 2

1.1 Test Mode=TM1

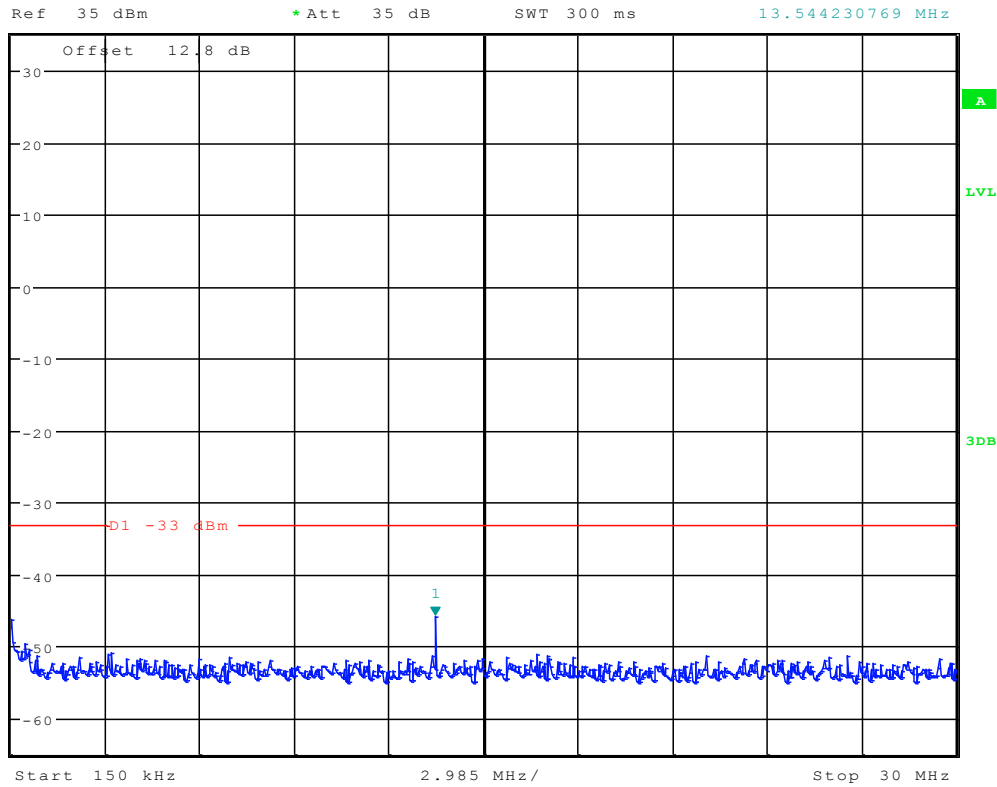
1.1.1.1 Channel = L



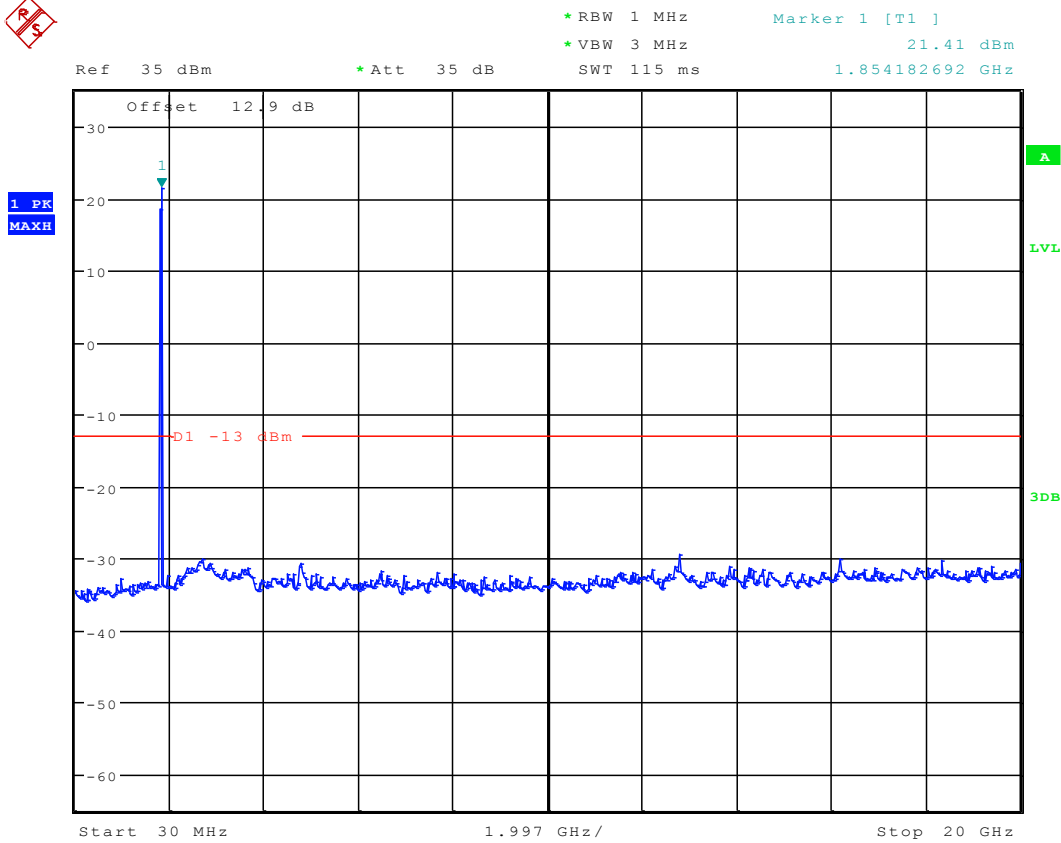
Date: 14.SEP.2012 09:42:59



* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -45.71 dBm
SWT 300 ms 13.544230769 MHz



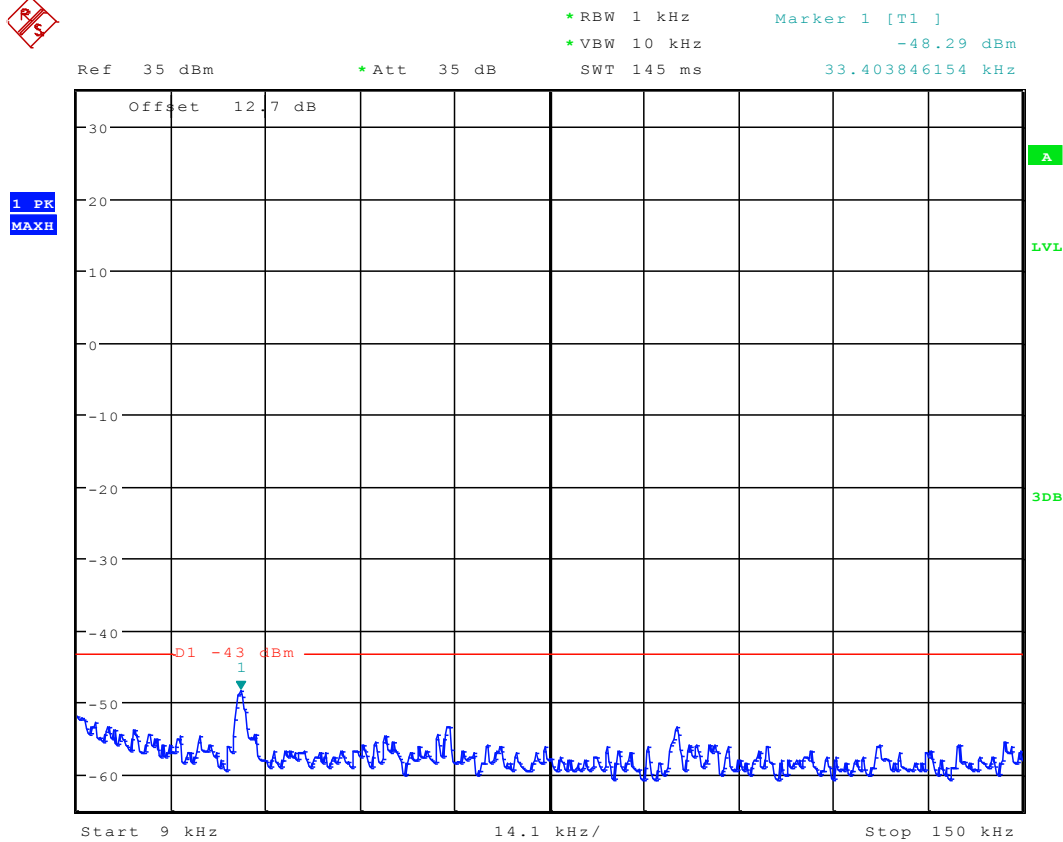
Date: 14.SEP.2012 09:43:43



Date: 14.SEP.2012 09:44:27



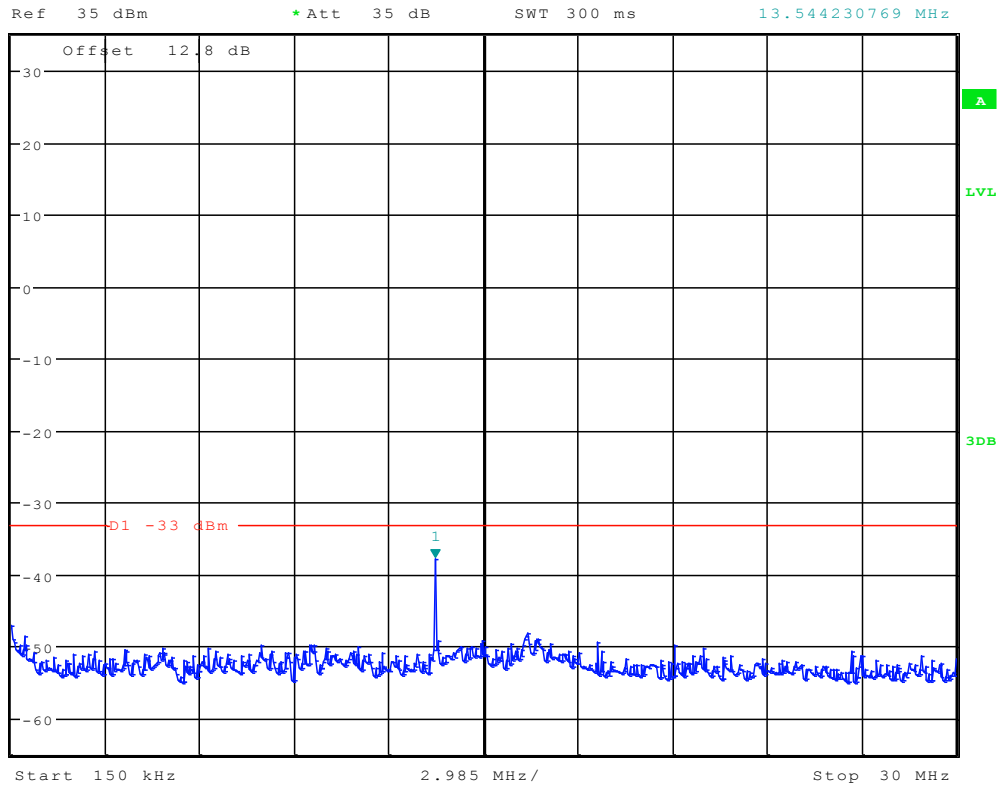
1.1.1.2 Channel = M



Date: 14.SEP.2012 09:43:13



* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -37.83 dBm
SWT 300 ms 13.544230769 MHz

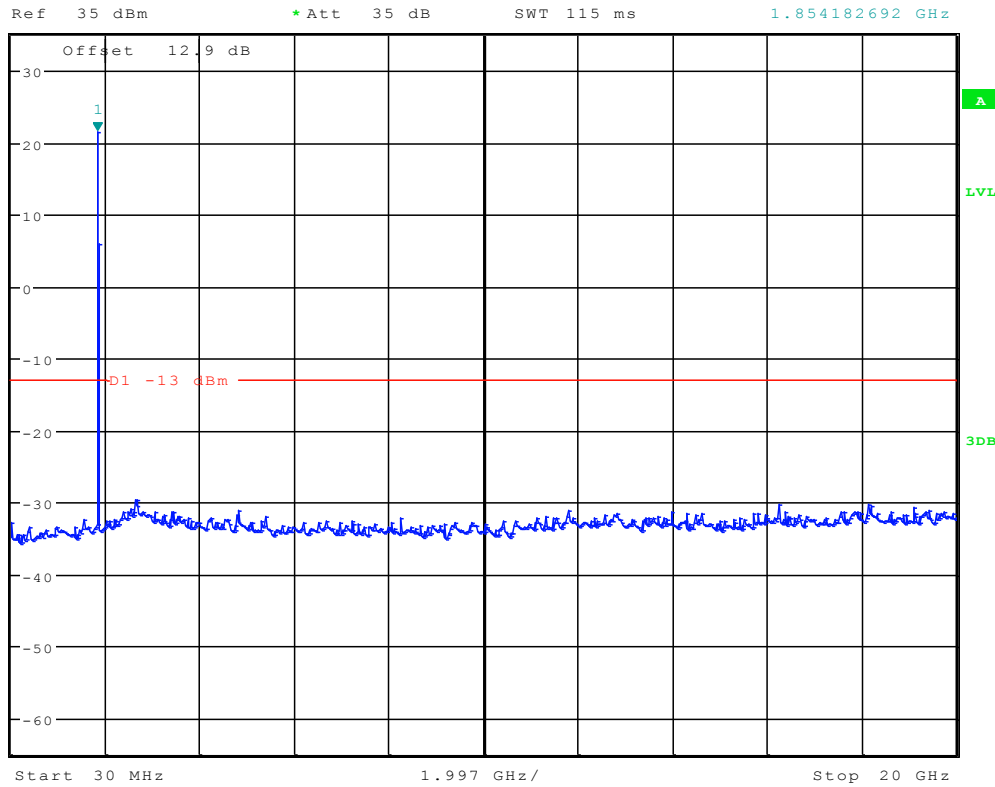


Date: 14.SEP.2012 09:43:57



* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms

Marker 1 [T1]
21.43 dBm
1.854182692 GHz



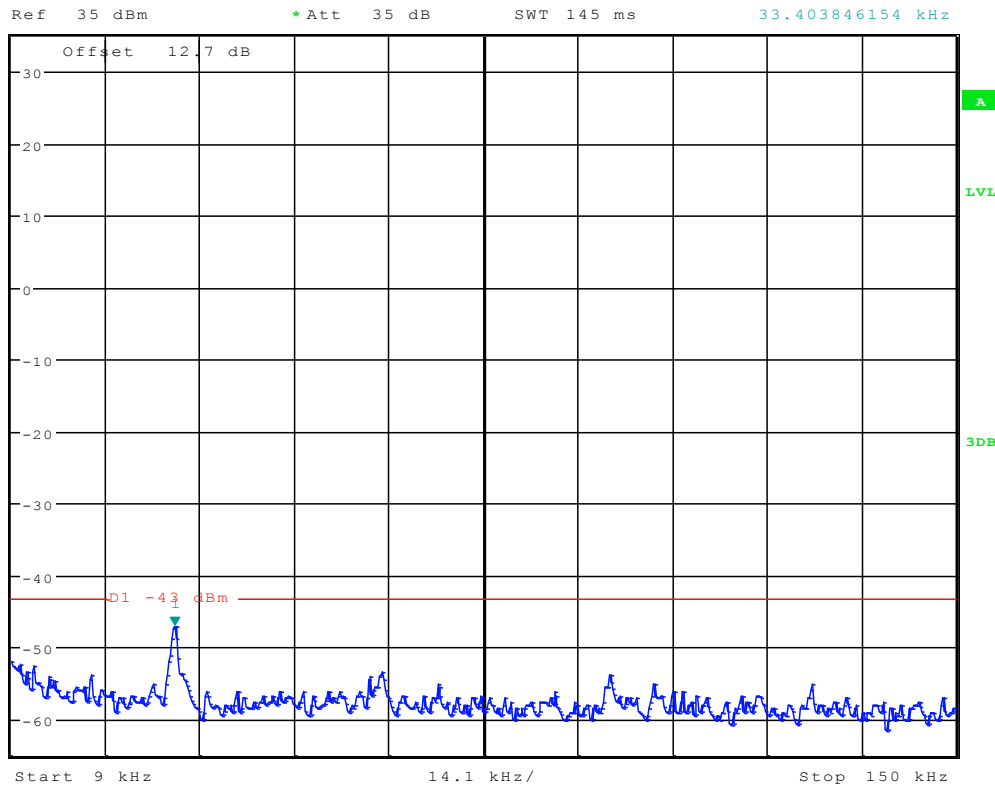
Date: 14.SEP.2012 09:44:41



1.1.1.3 Channel = H



*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -46.96 dBm
SWT 145 ms 33.403846154 kHz



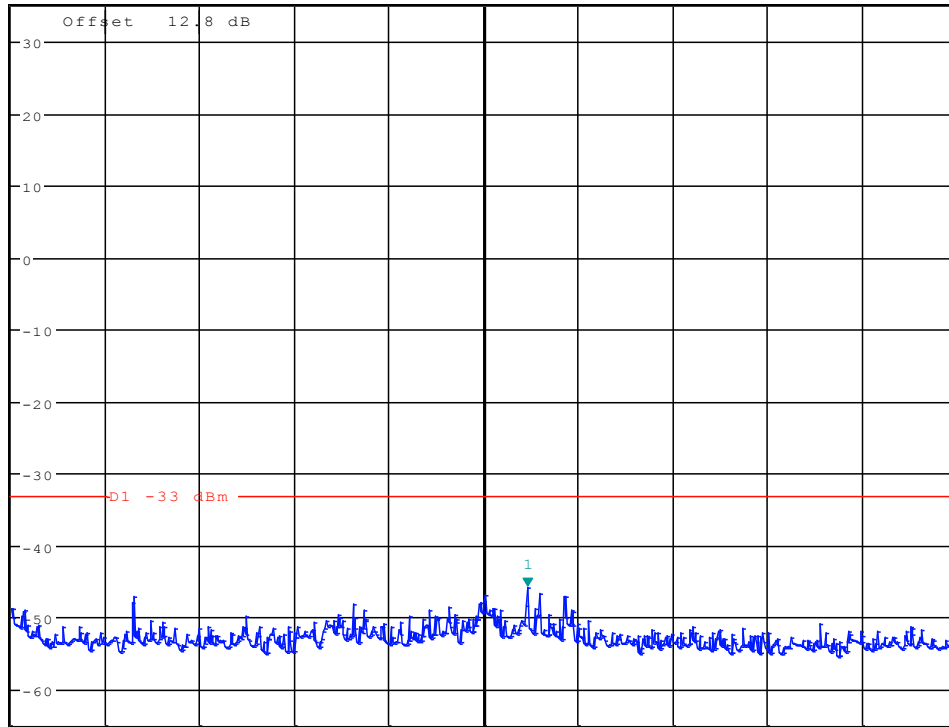
Date: 14.SEP.2012 09:43:28



* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -45.88 dBm
SWT 300 ms 16.462259615 MHz

Ref 35 dBm

* Att 35 dB

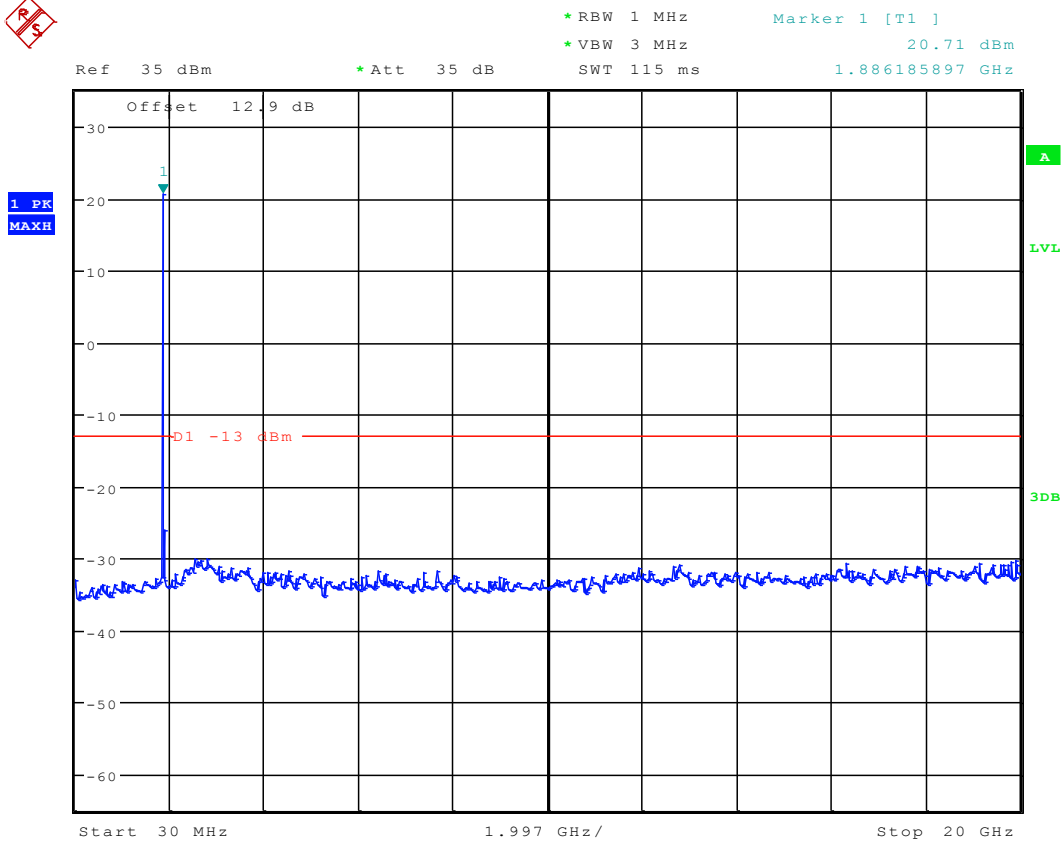


Start 150 kHz

2.985 MHz/

Stop 30 MHz

Date: 14.SEP.2012 09:48:14



Date: 14.SEP.2012 09:44:55



2 For LTE Band 2

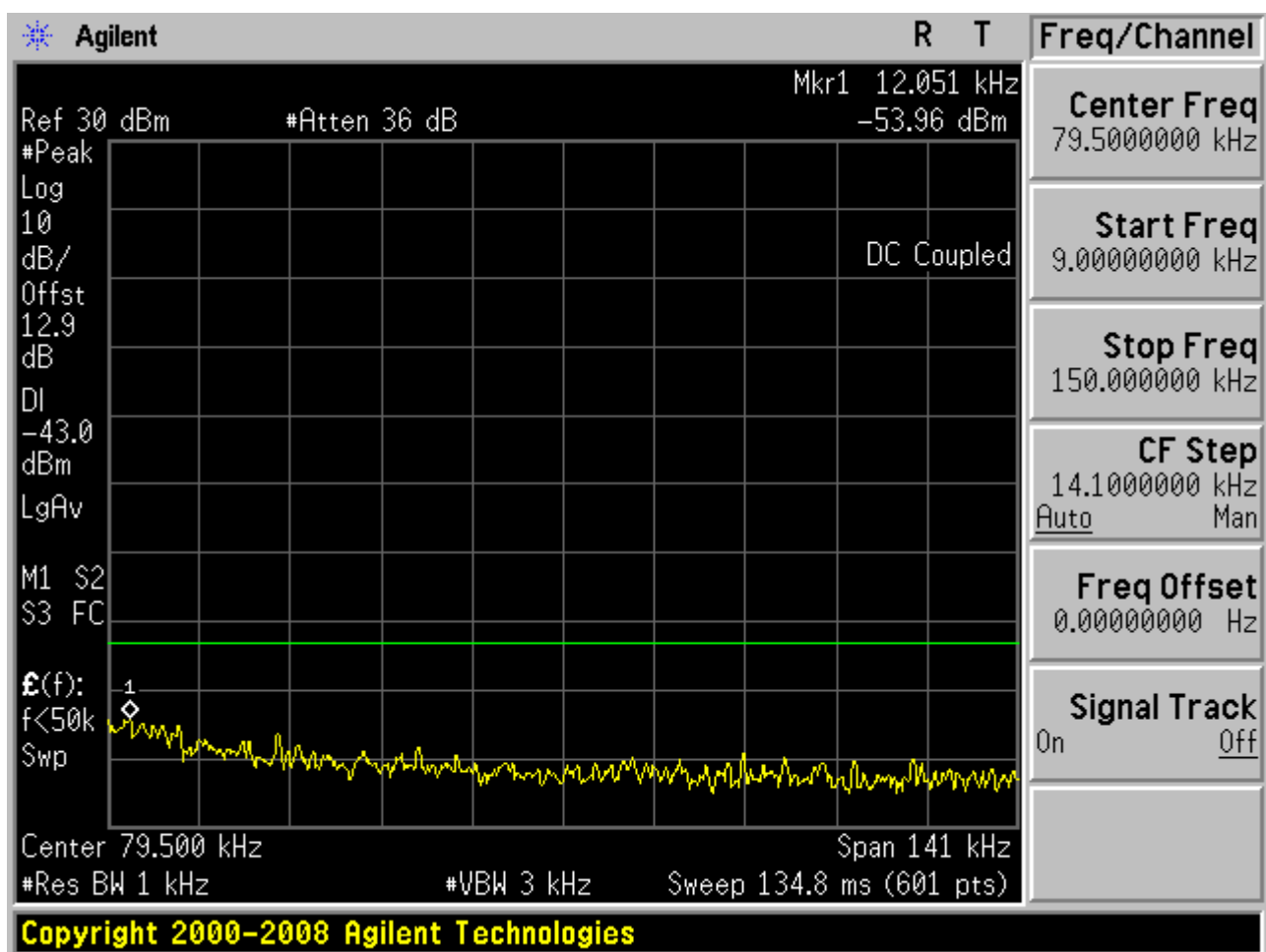
NOTE1: All relevant operation modes have been tested, and the 1RBs /RB#0 case data is included in this report.

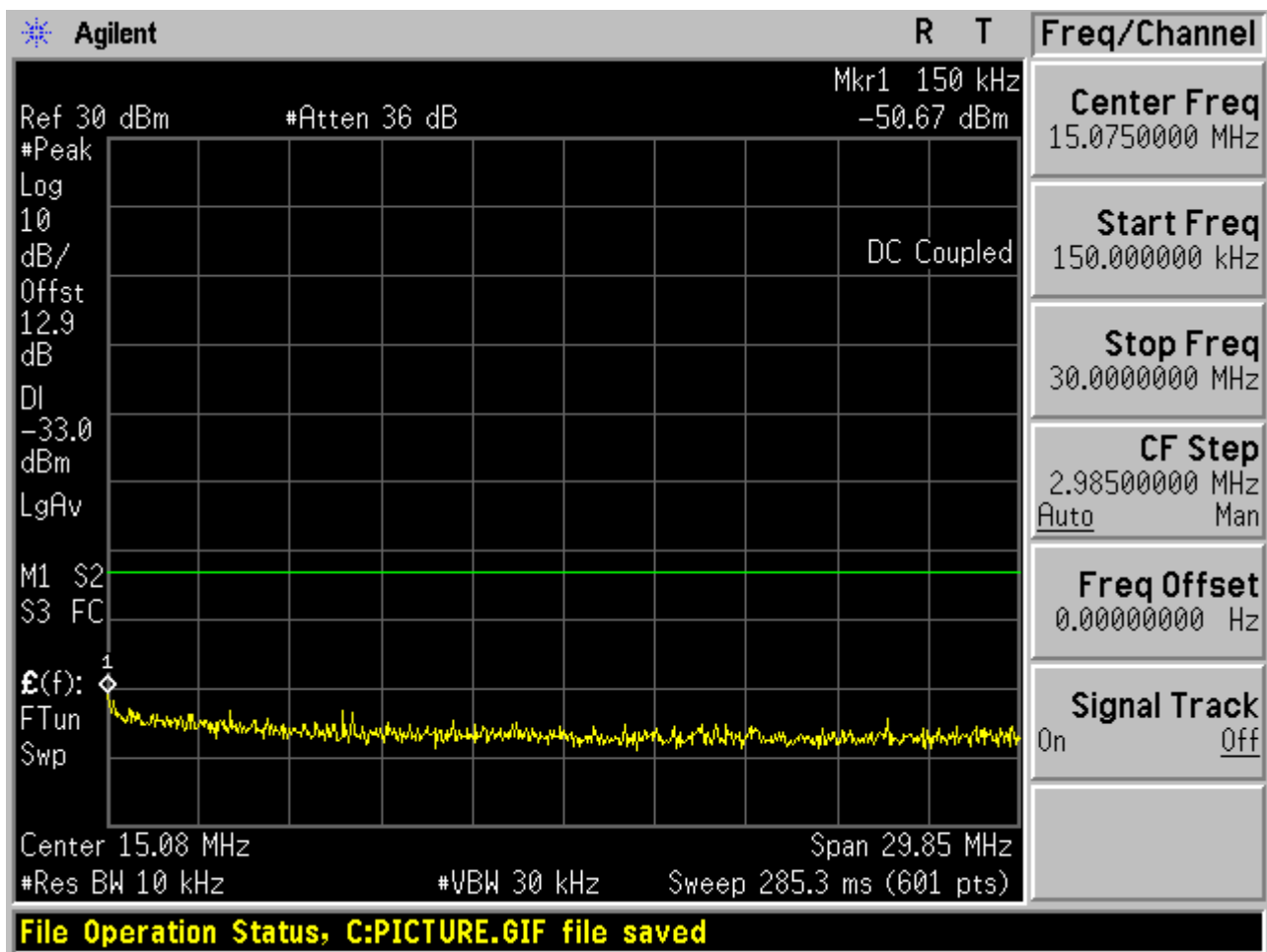
2.1 Test Mode=TM4

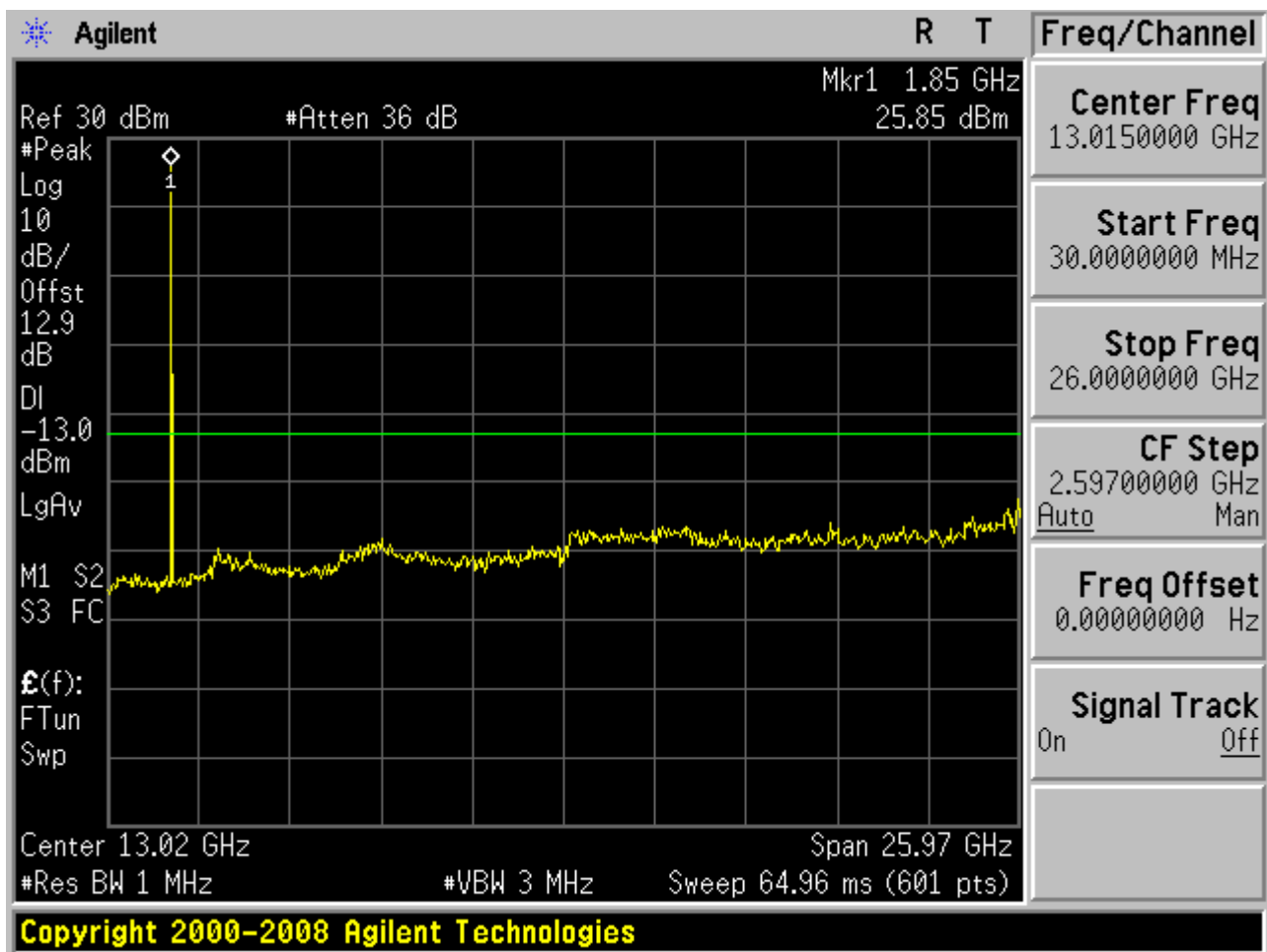
2.1.1 Channel Bandwidth = 1.4 MHz

2.1.1.1 Channel = L

2.1.1.1.1 QPSK/1RBs /RB #0



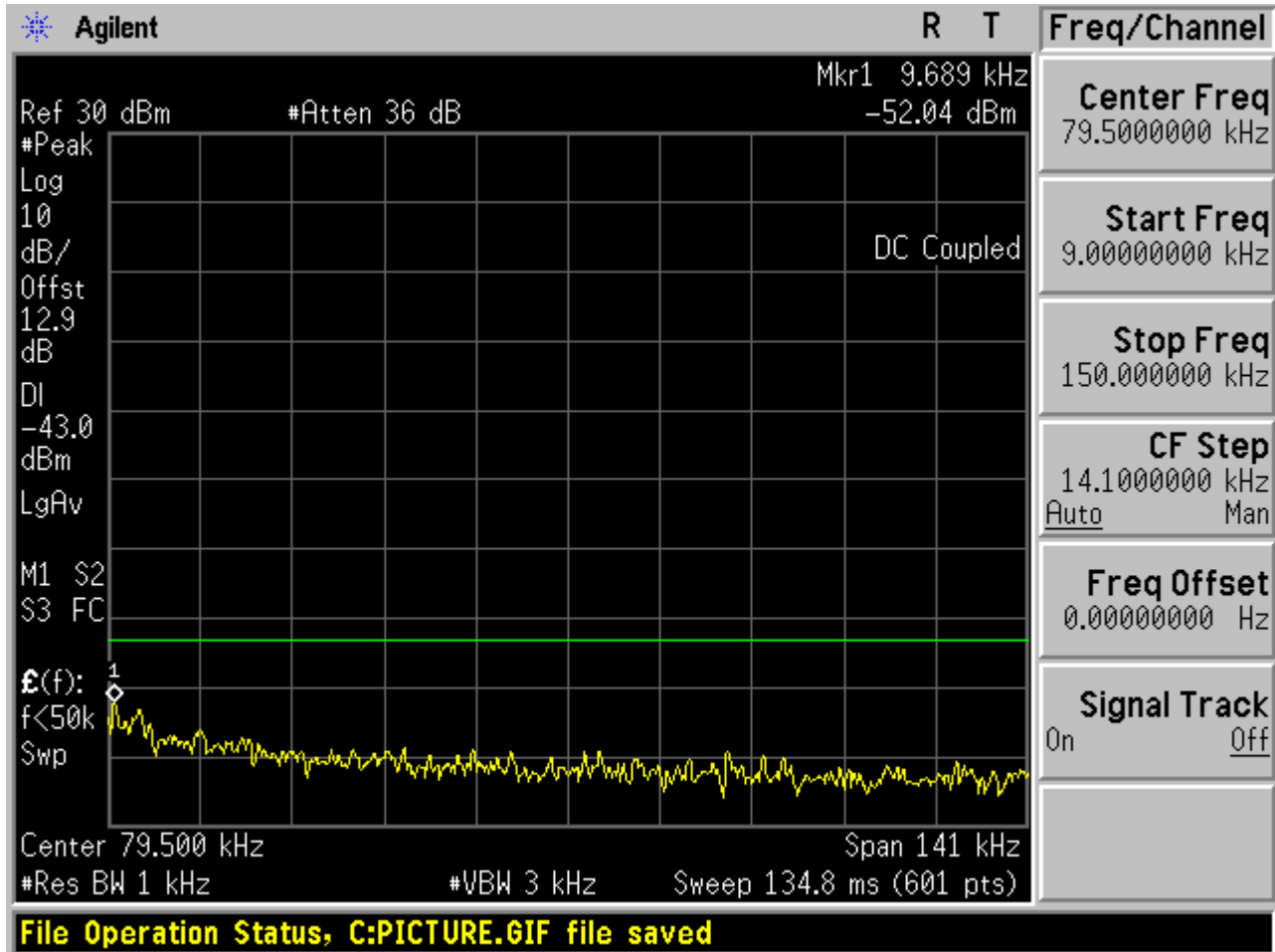


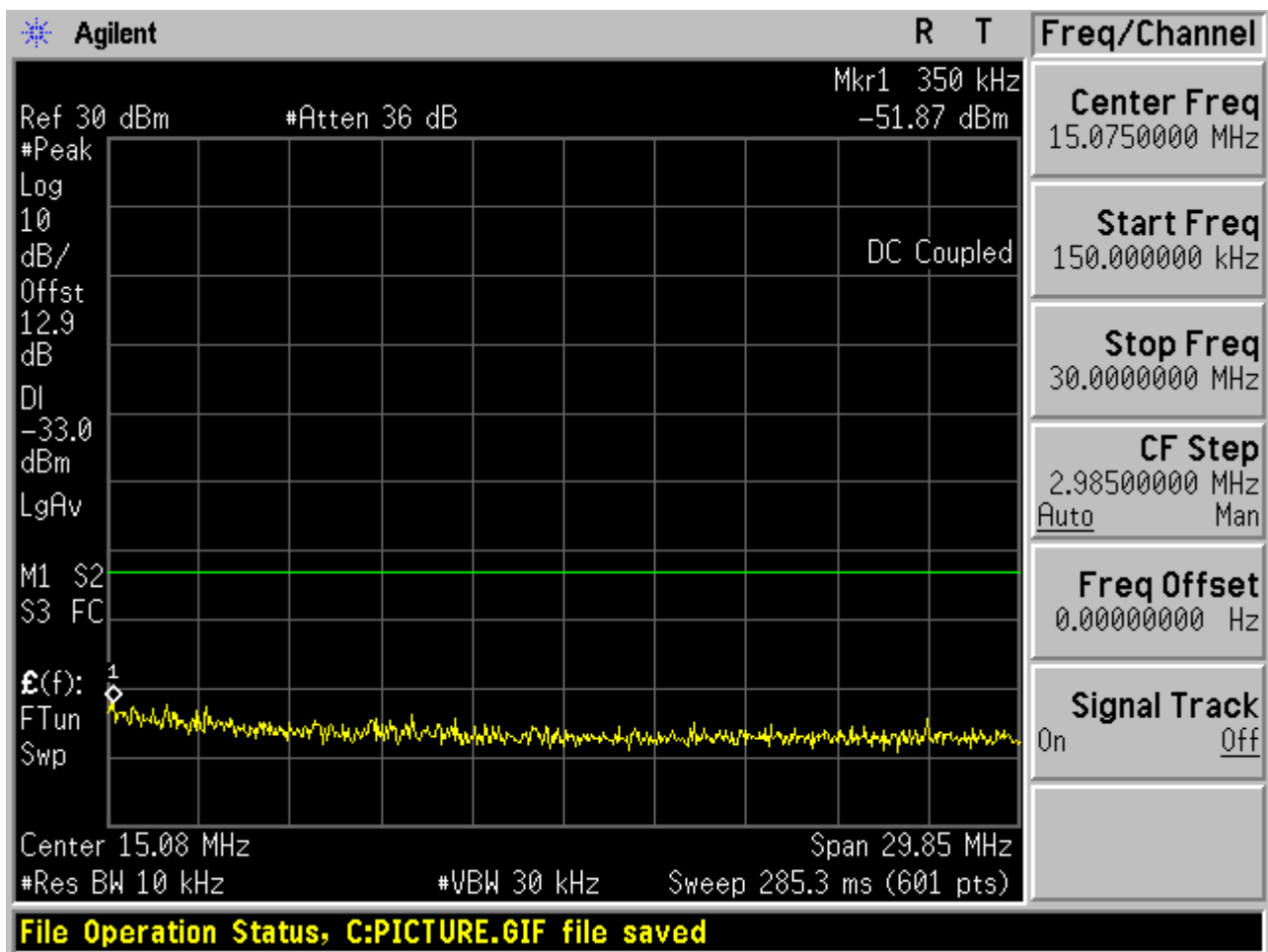


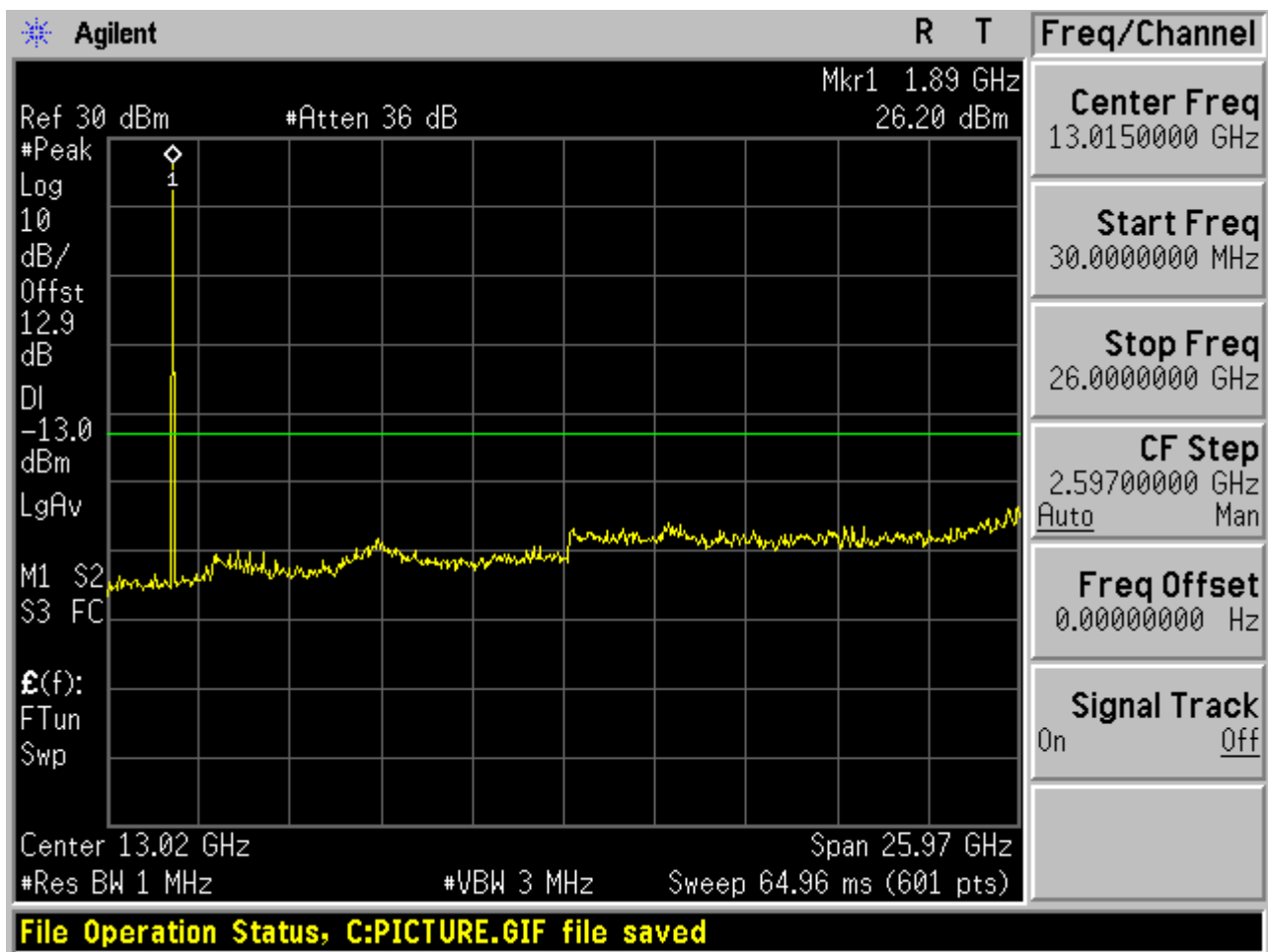


2.1.1.2 Channel = M

2.1.1.2.1 QPSK/1RBs /RB #0



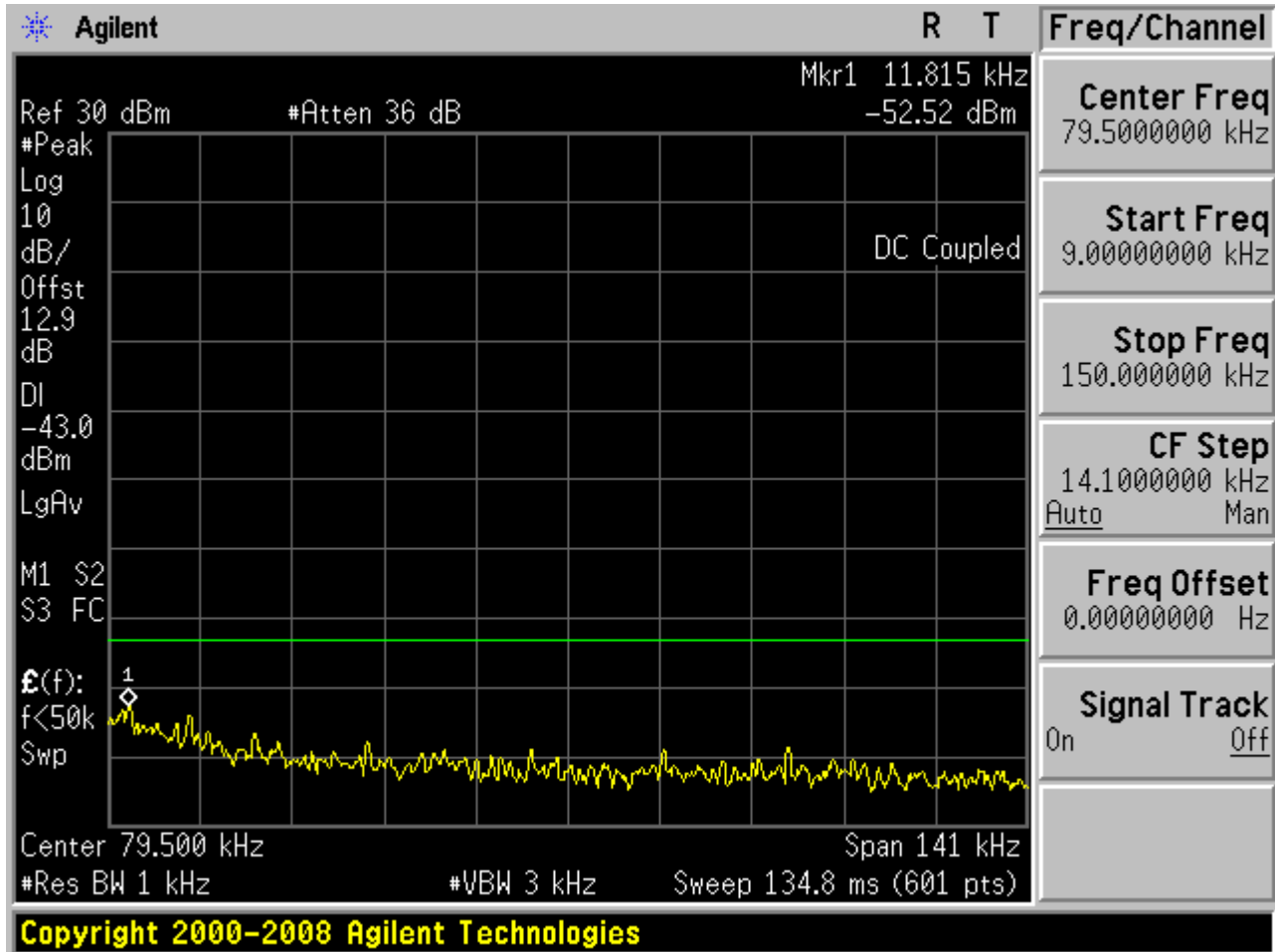


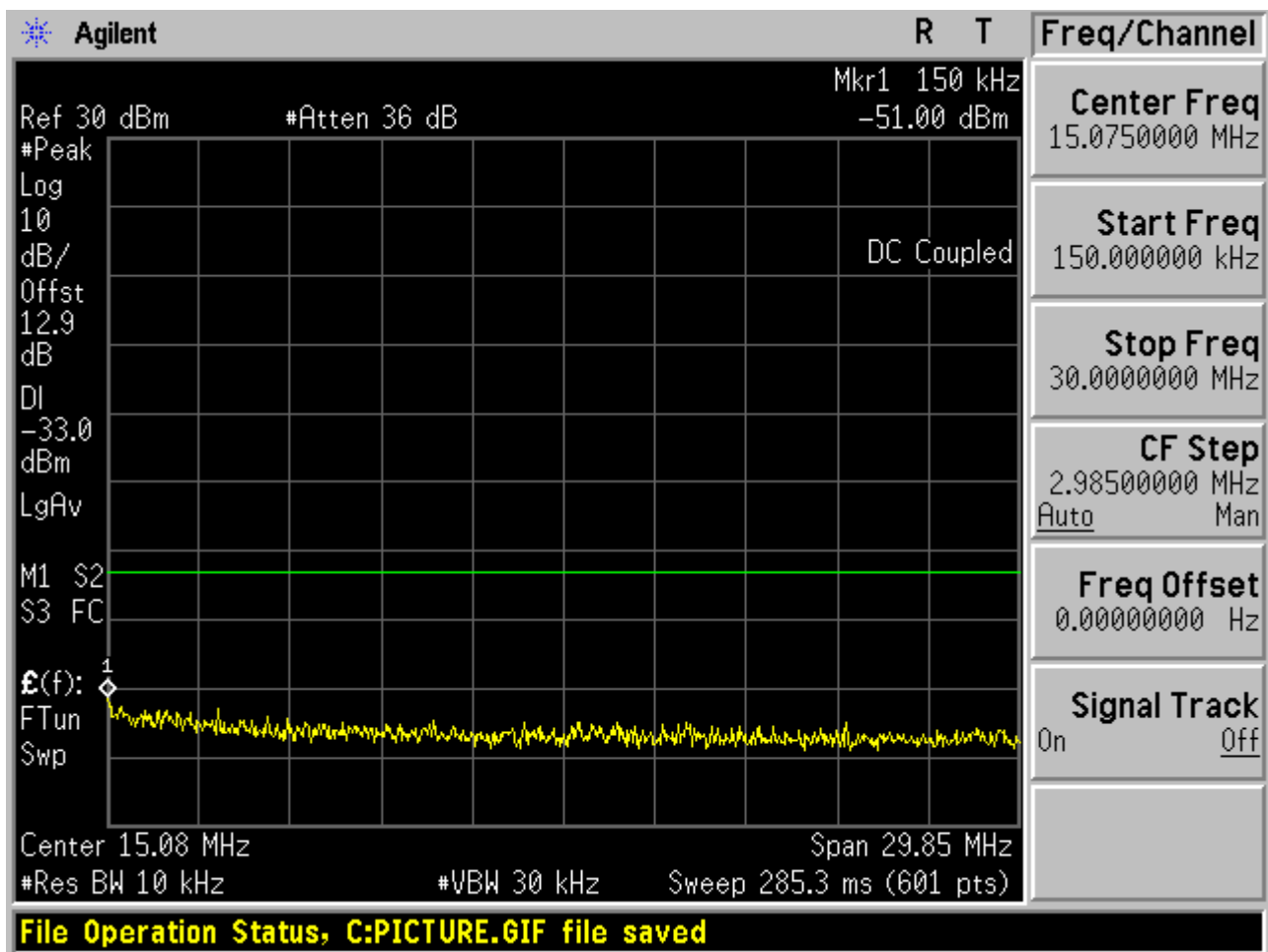


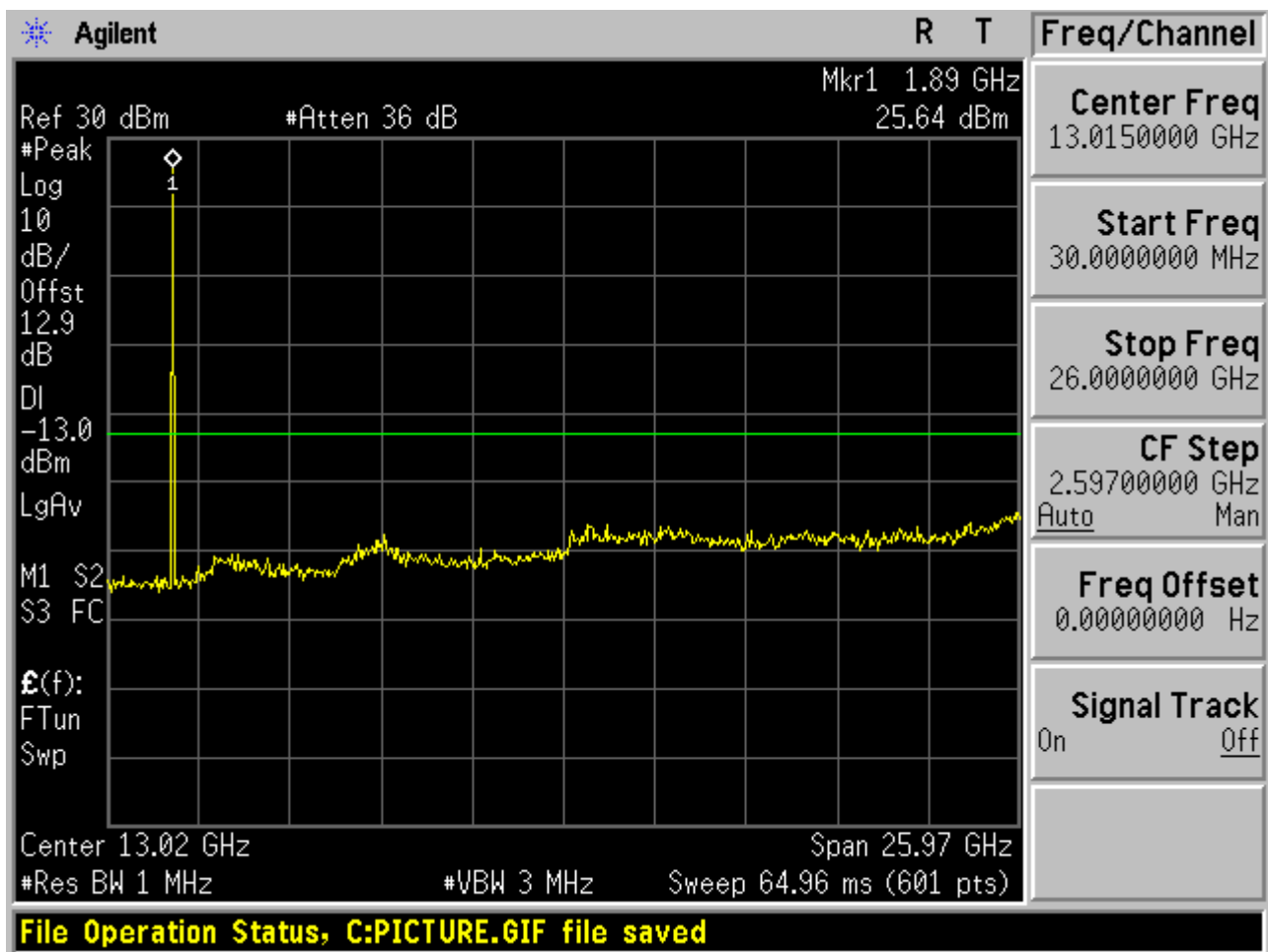


2.1.1.3 Channel = H

2.1.1.3.1 QPSK/1RBs /RB #0





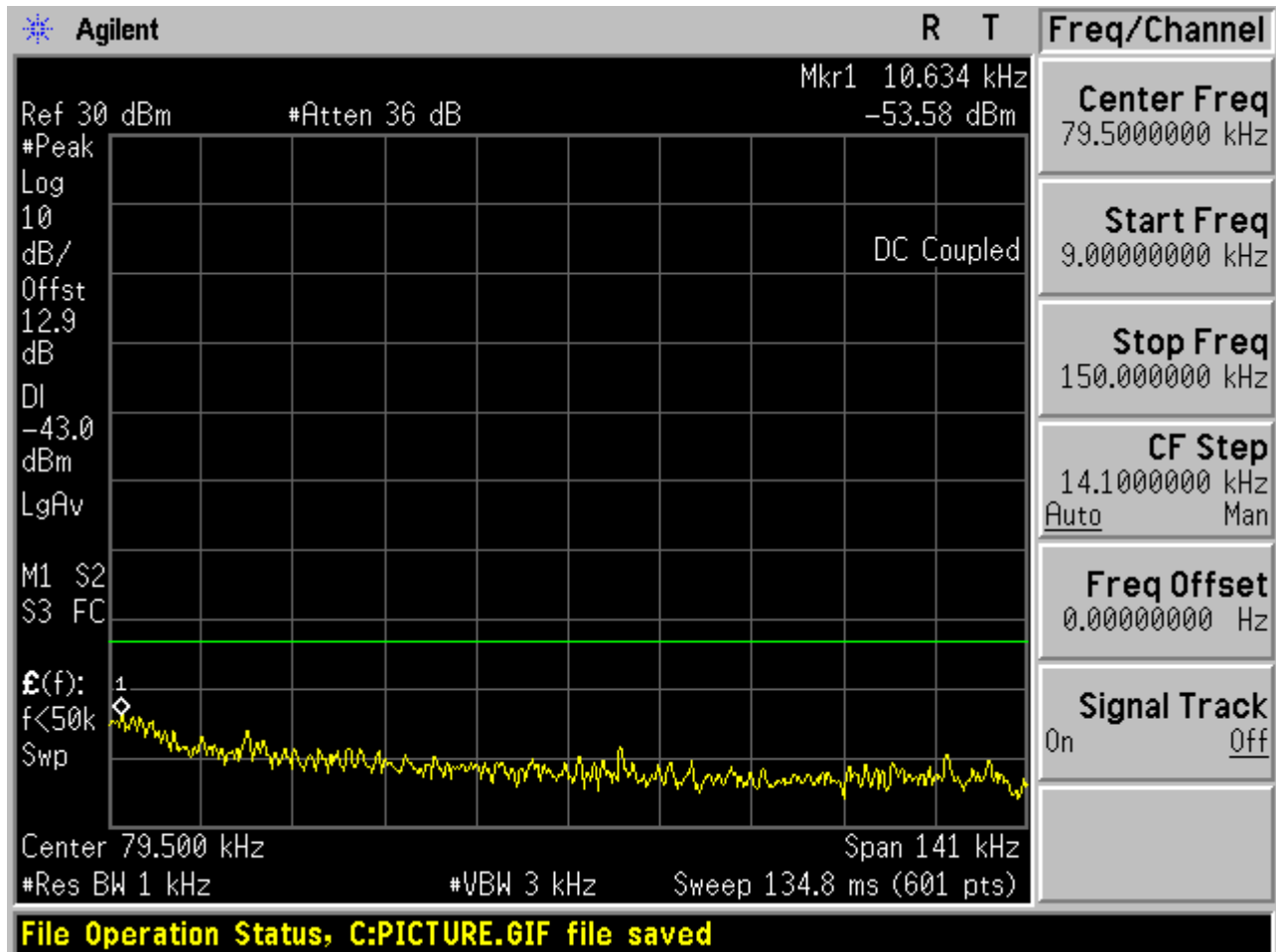


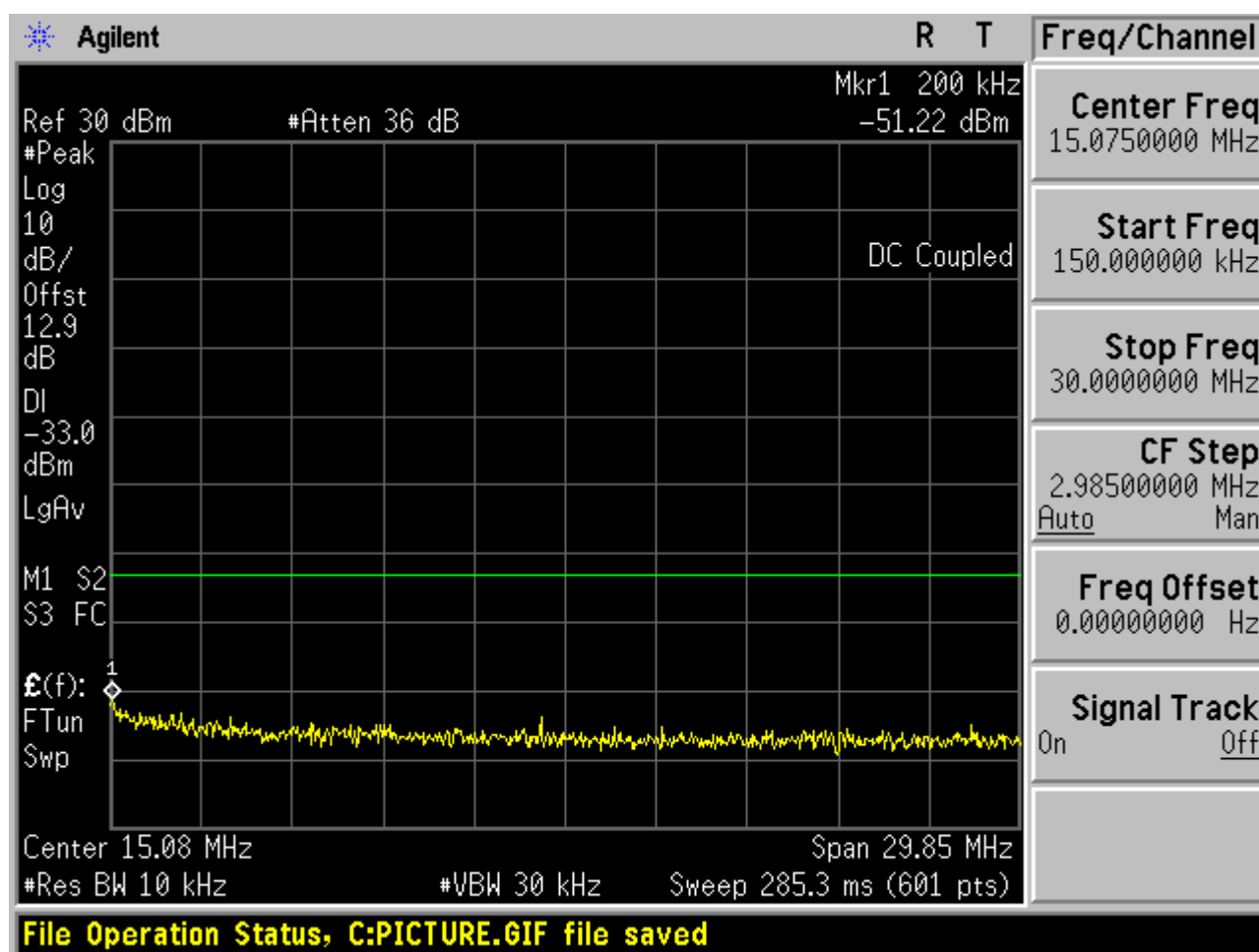


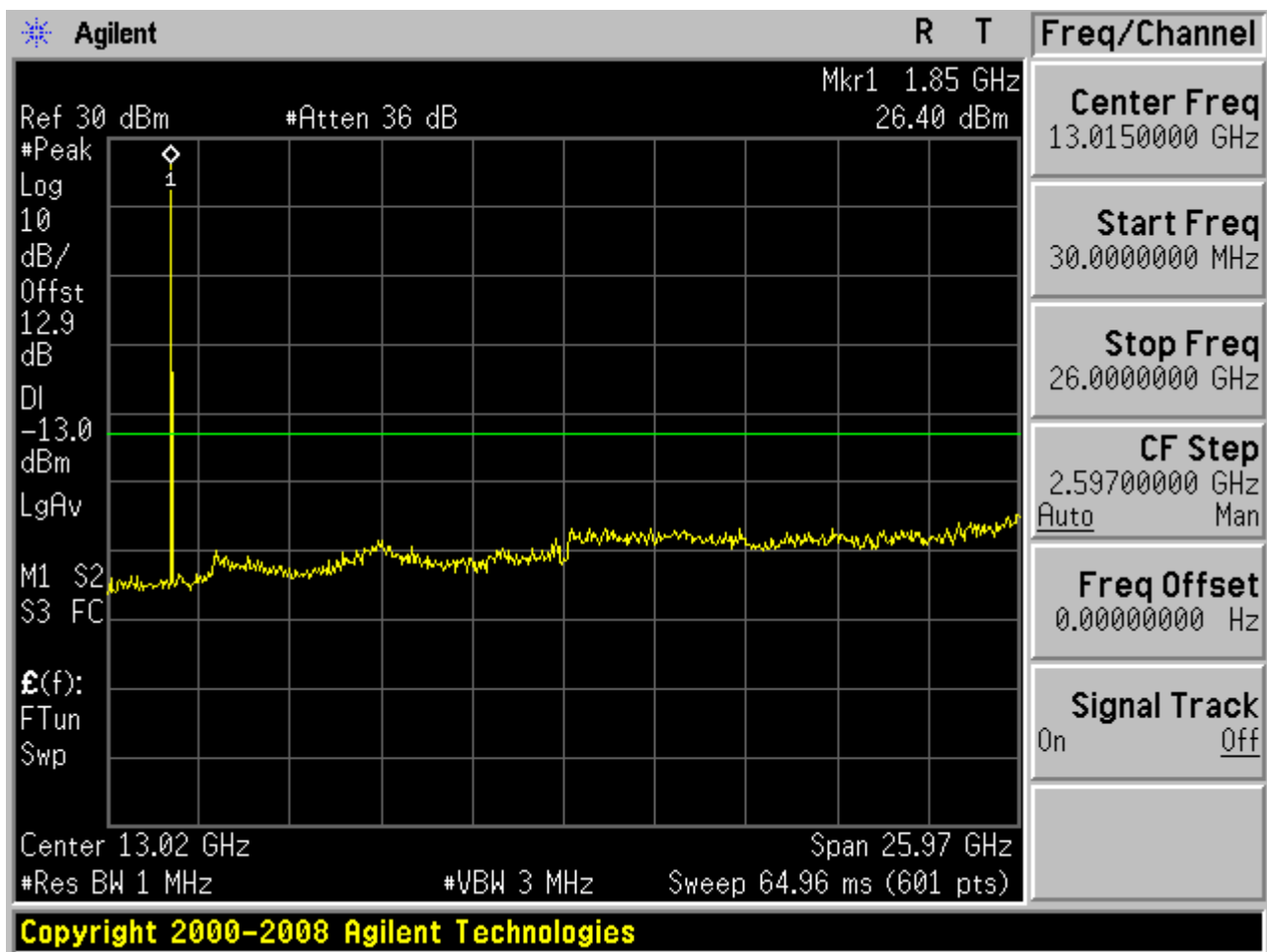
2.1.2 Channel Bandwidth = 3 MHz

2.1.2.1 Channel = L

2.1.2.1.1 QPSK/1RBs /RB #0



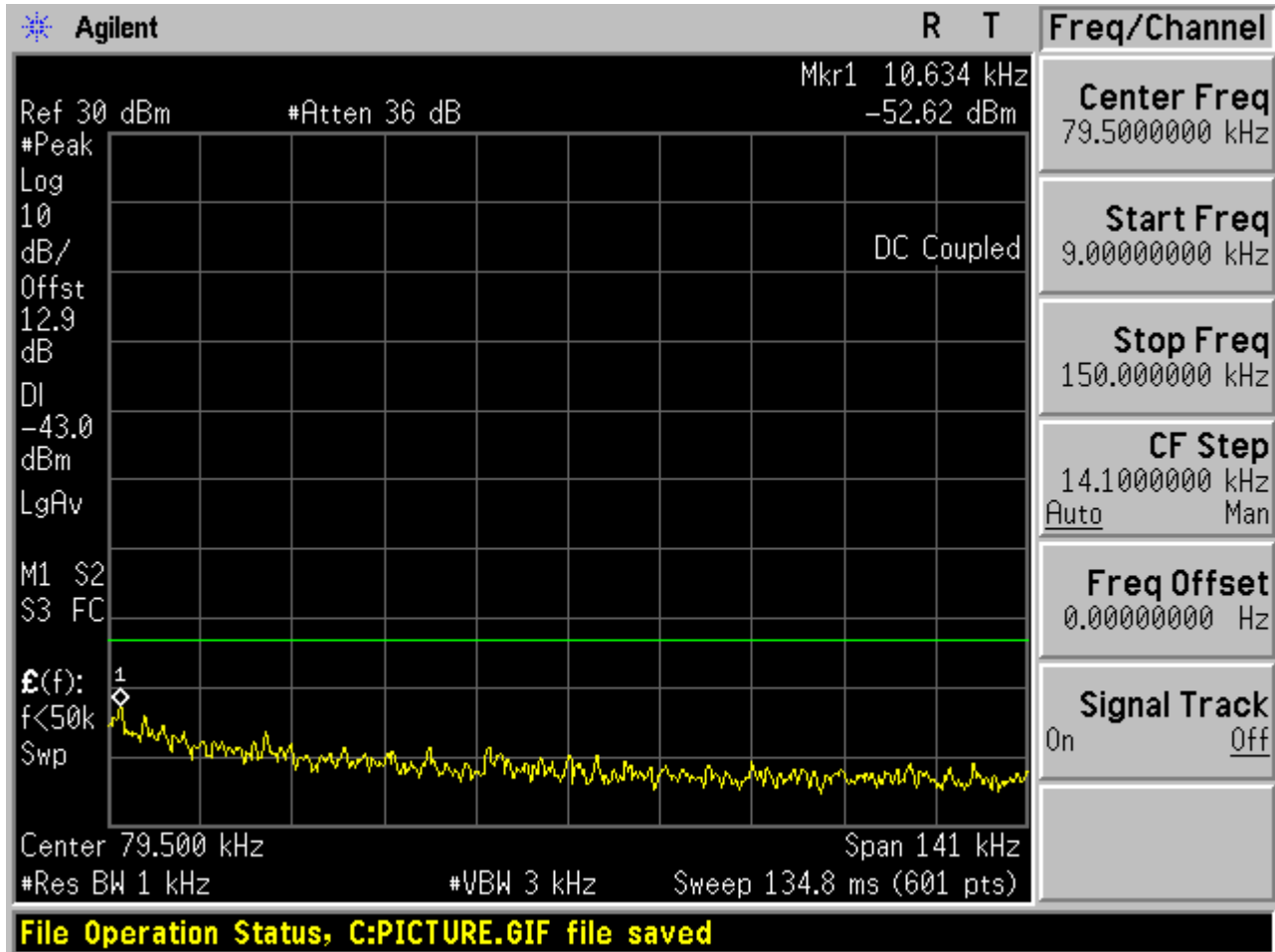


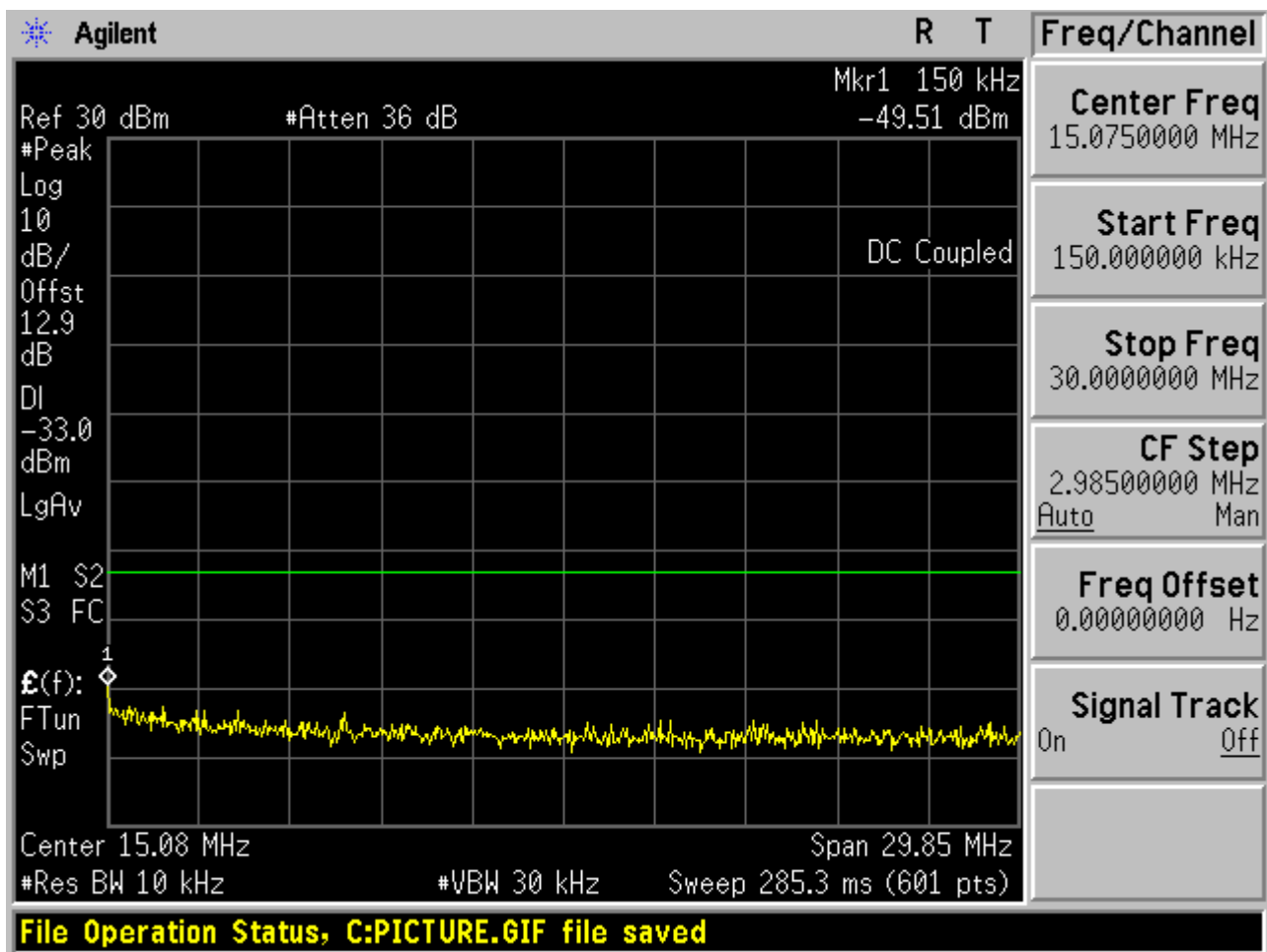


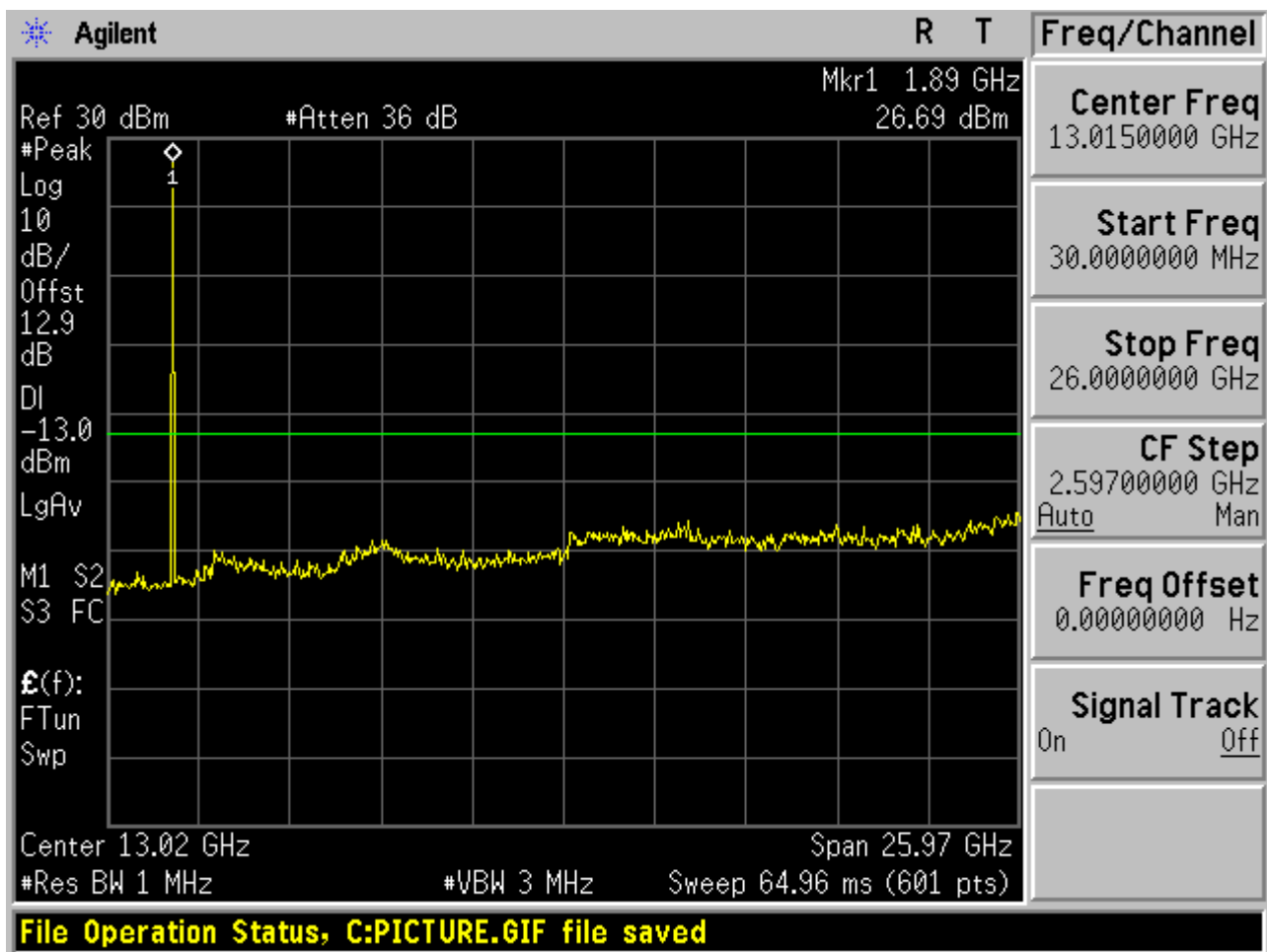


2.1.2.2 Channel = M

2.1.2.2.1 QPSK/1RBs /RB #0



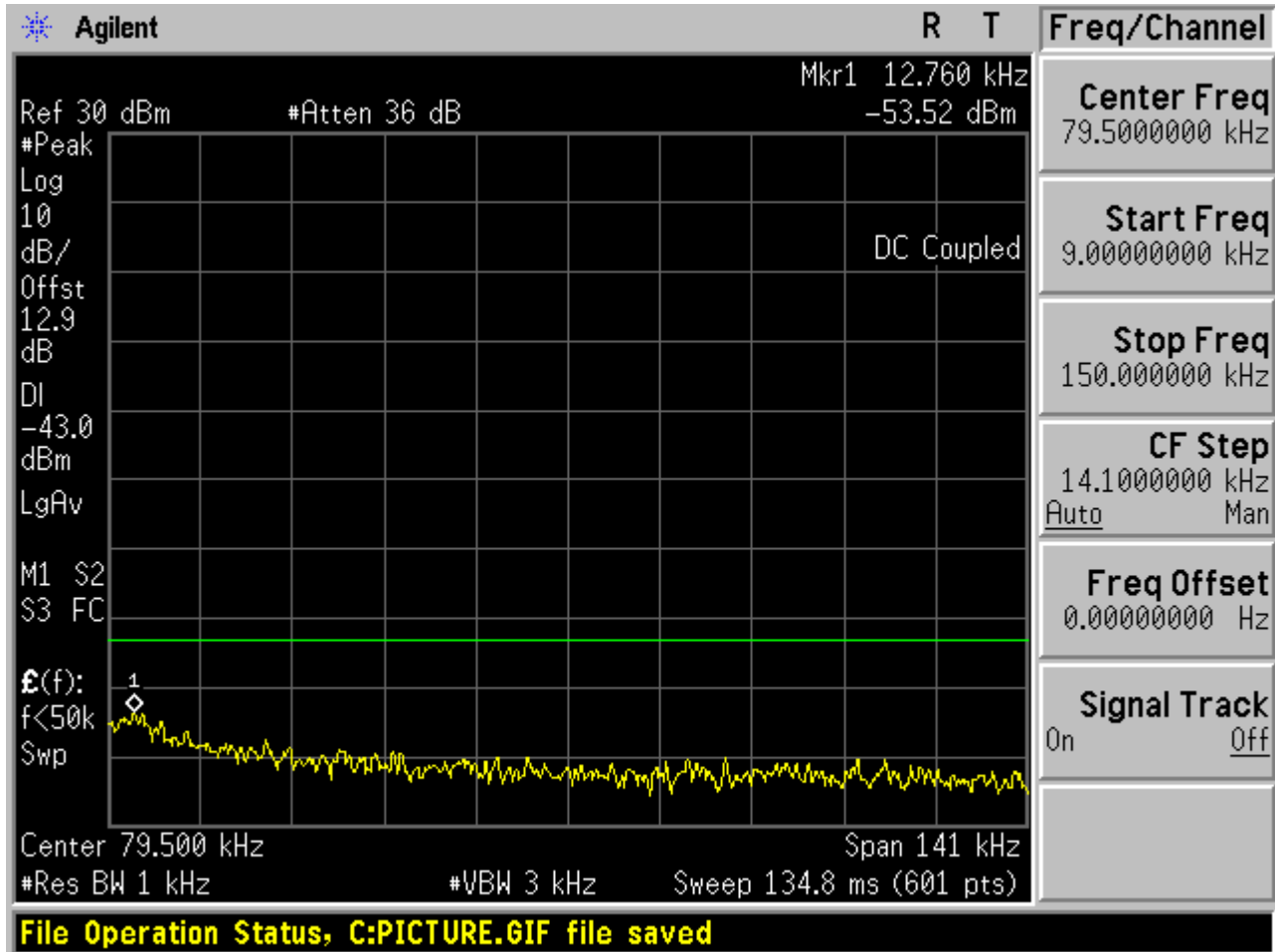


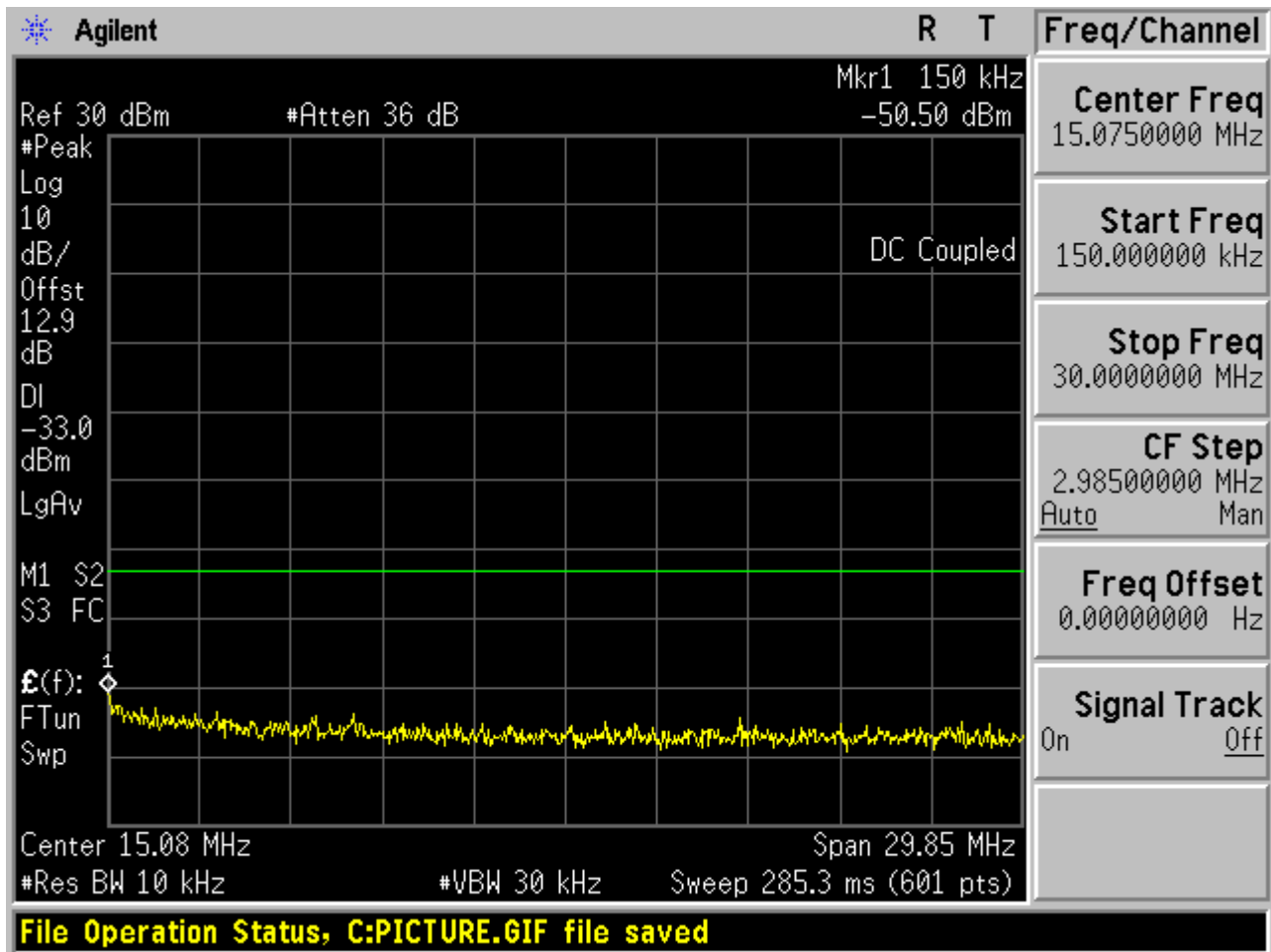


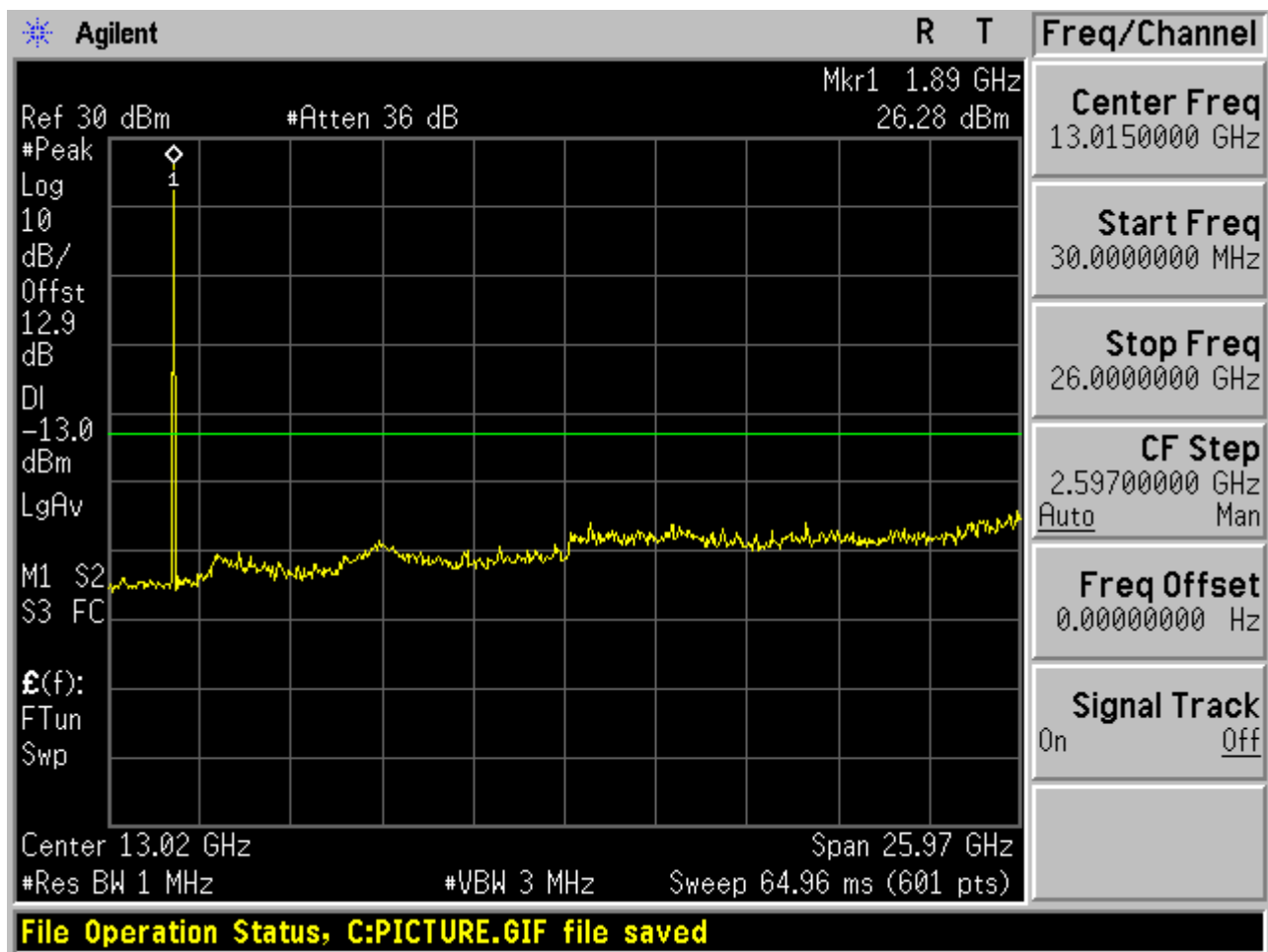


2.1.2.3 Channel = H

2.1.2.3.1 QPSK/1RBs /RB #0





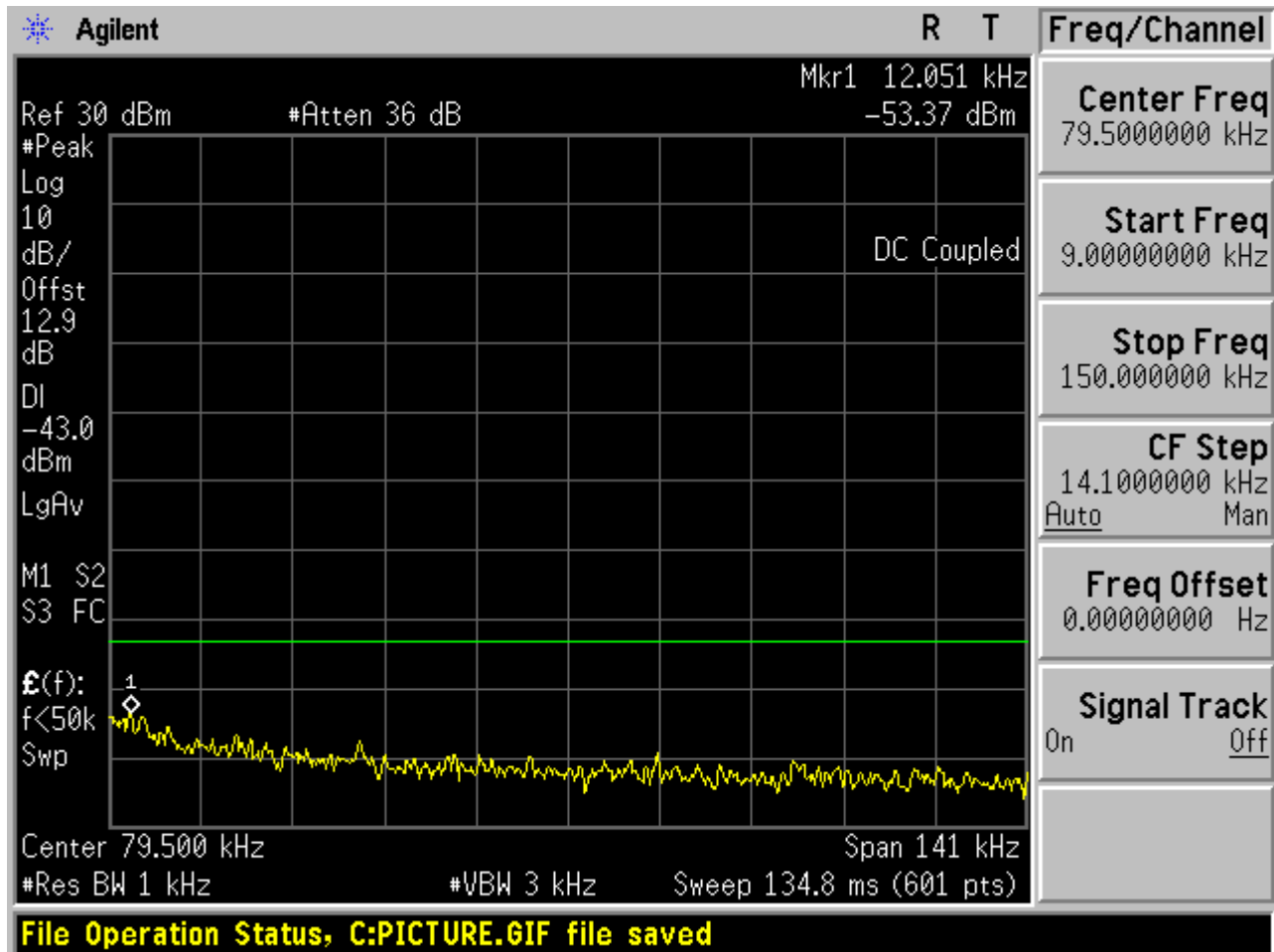


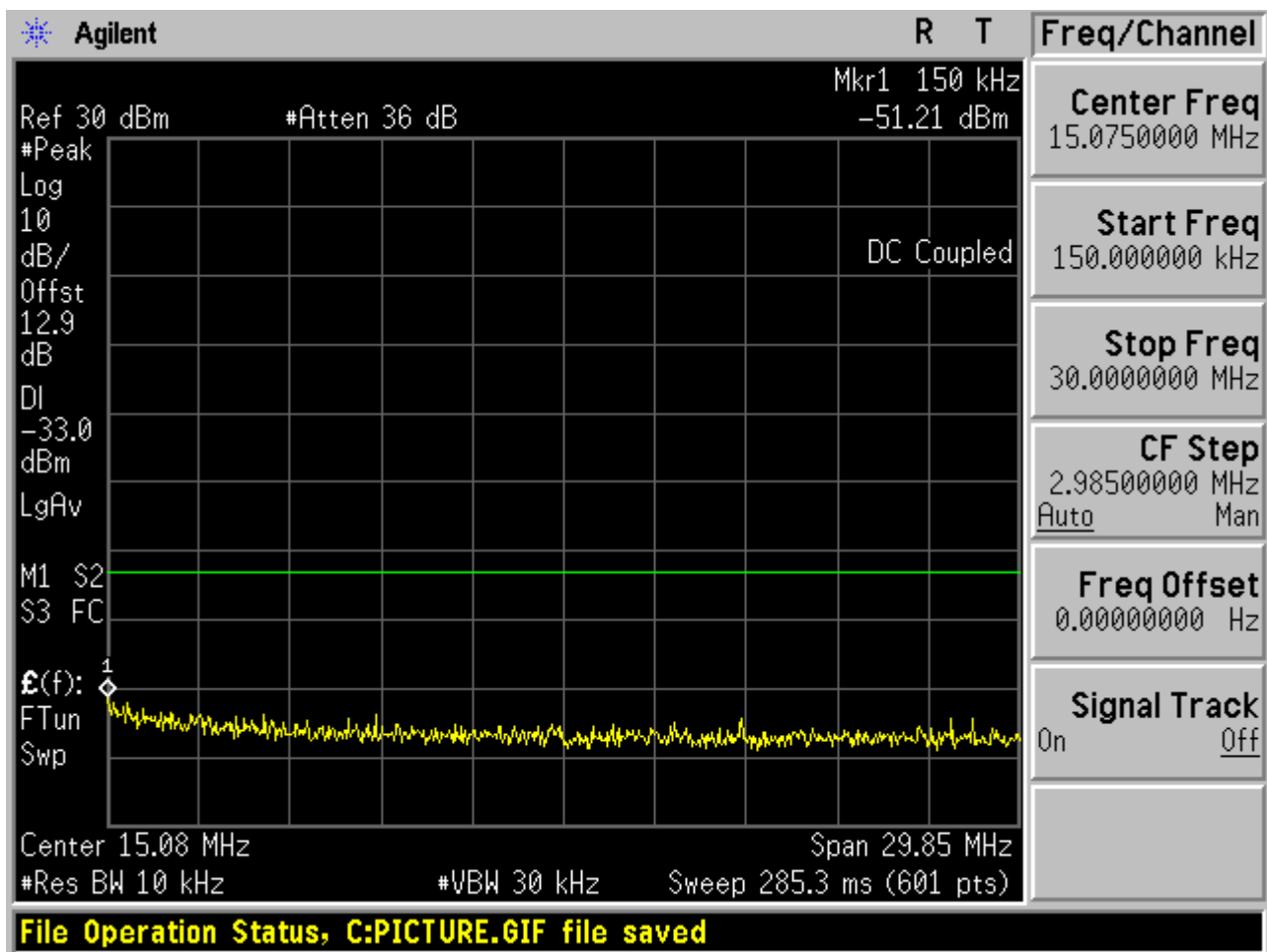


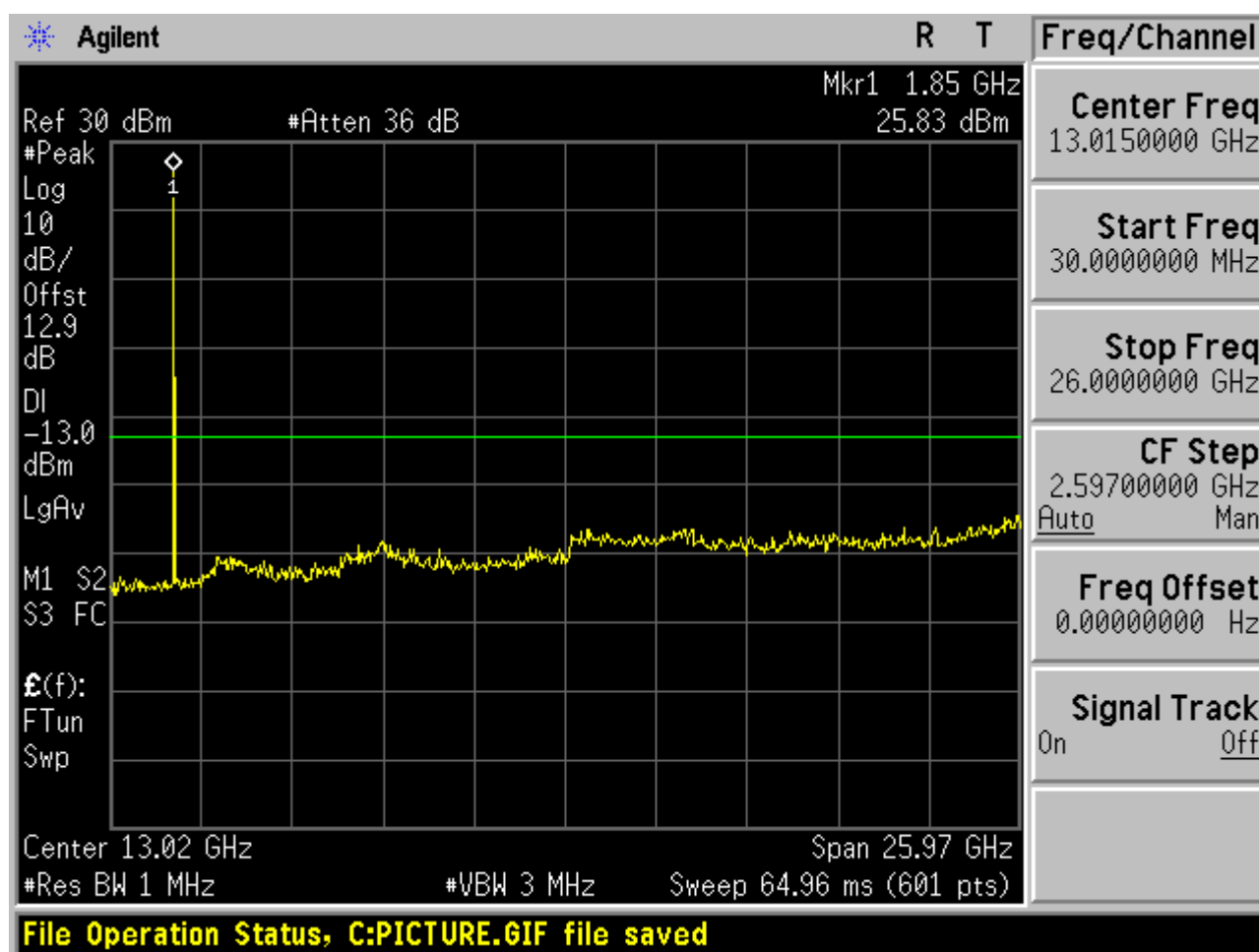
2.1.3 Channel Bandwidth = 5 MHz

2.1.3.1 Channel = L

2.1.3.1.1 QPSK/1RBs /RB #0



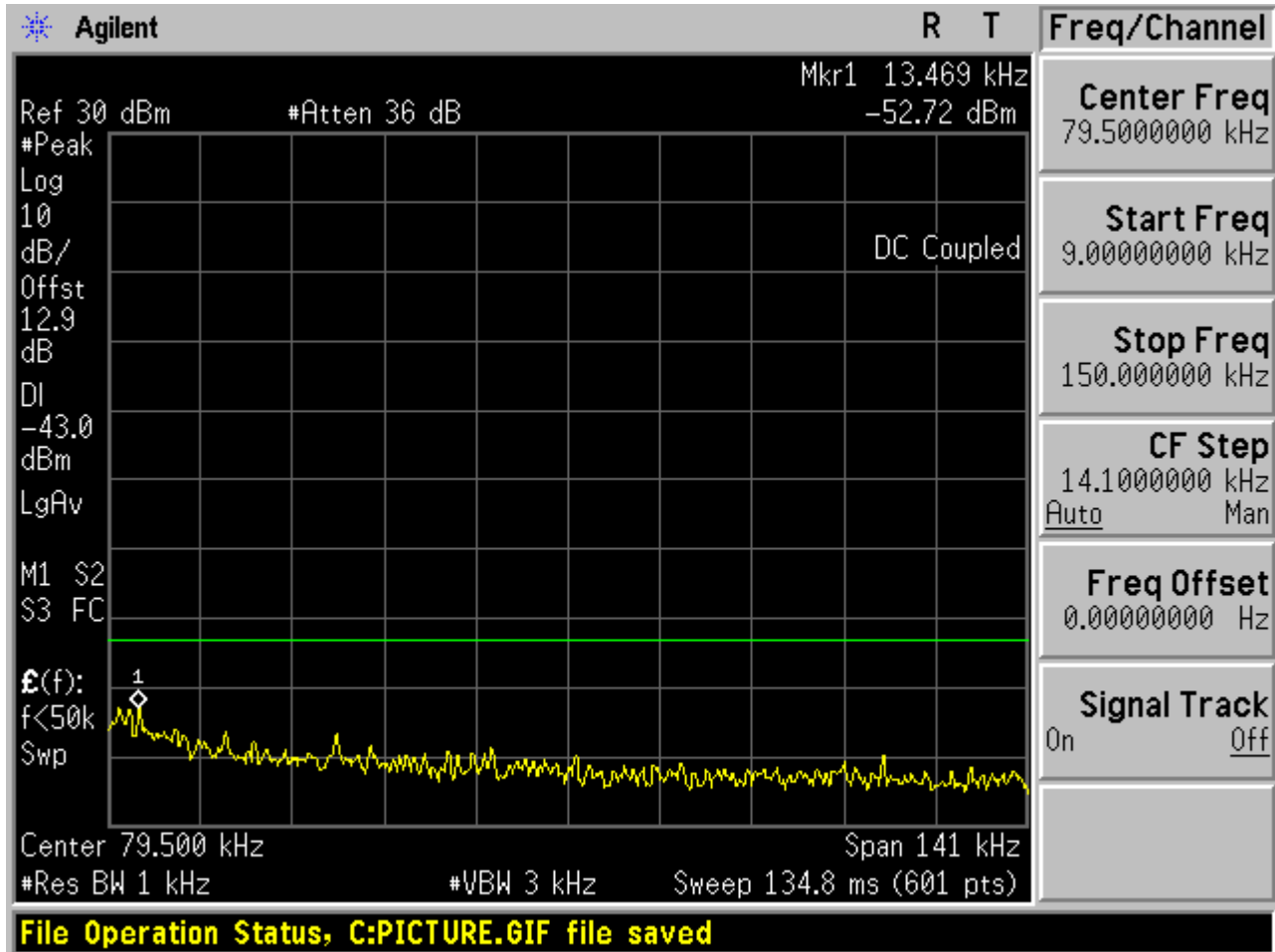


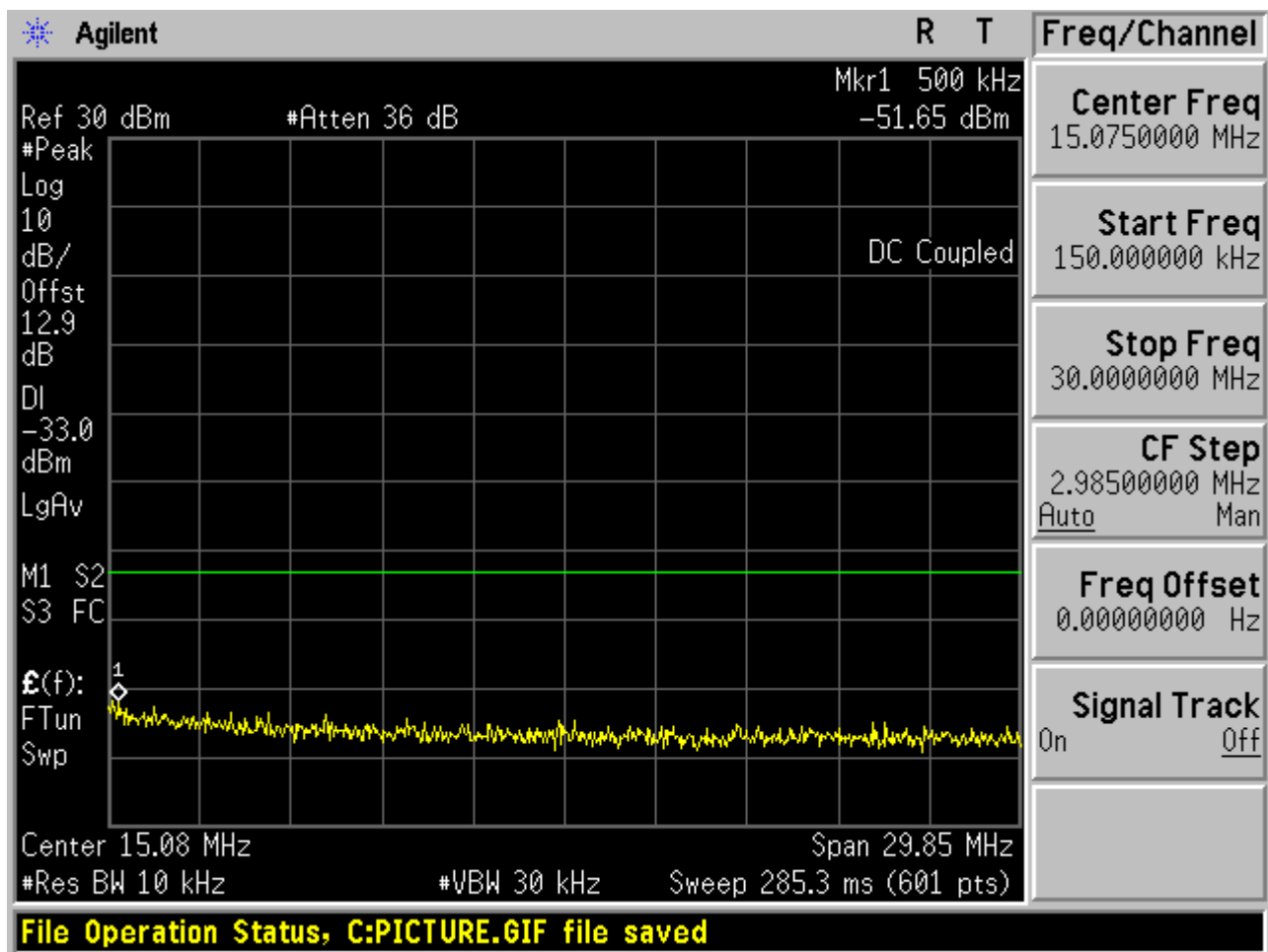


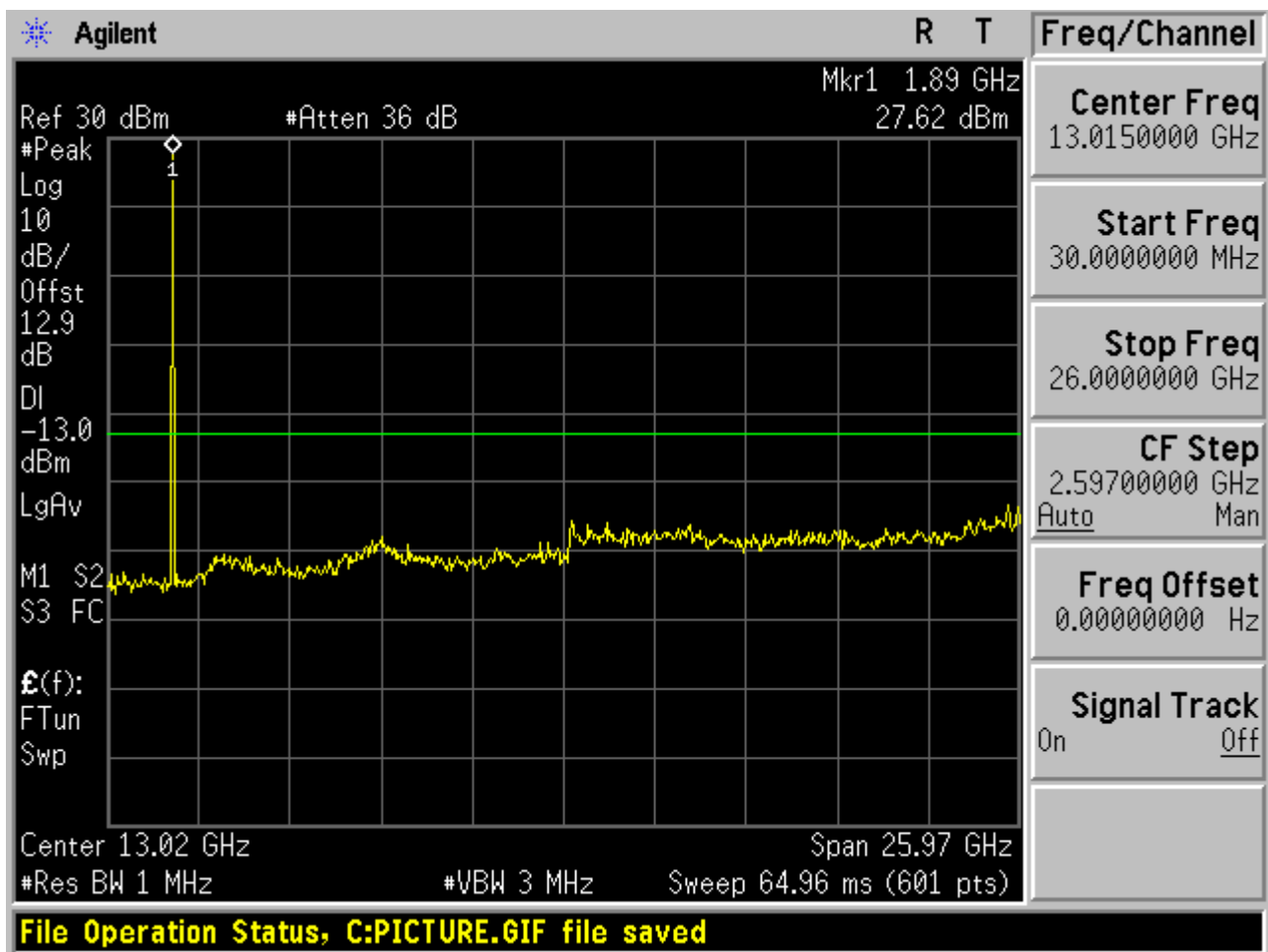


2.1.3.2 Channel = M

2.1.3.2.1 QPSK/1RBs /RB #0



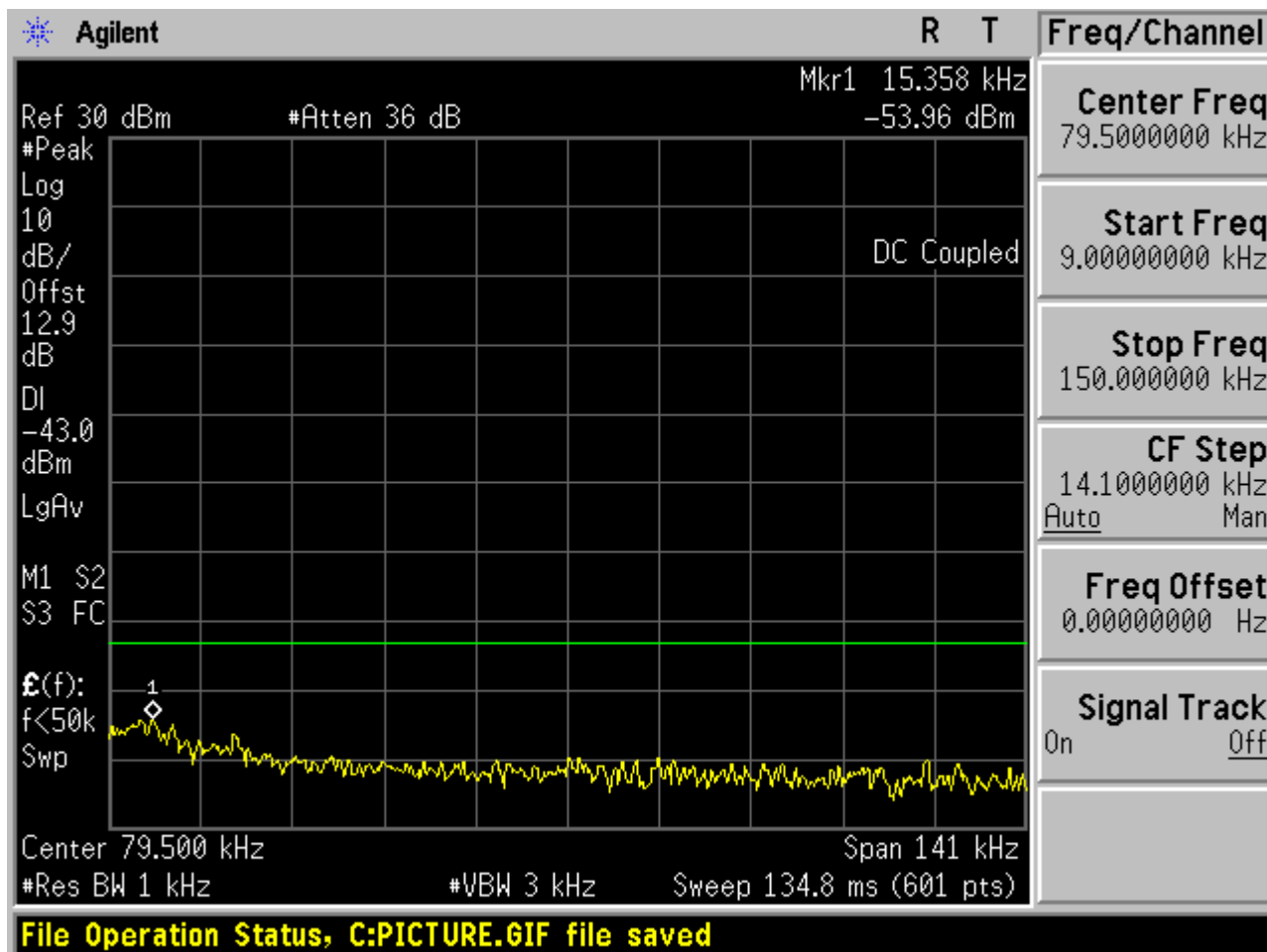


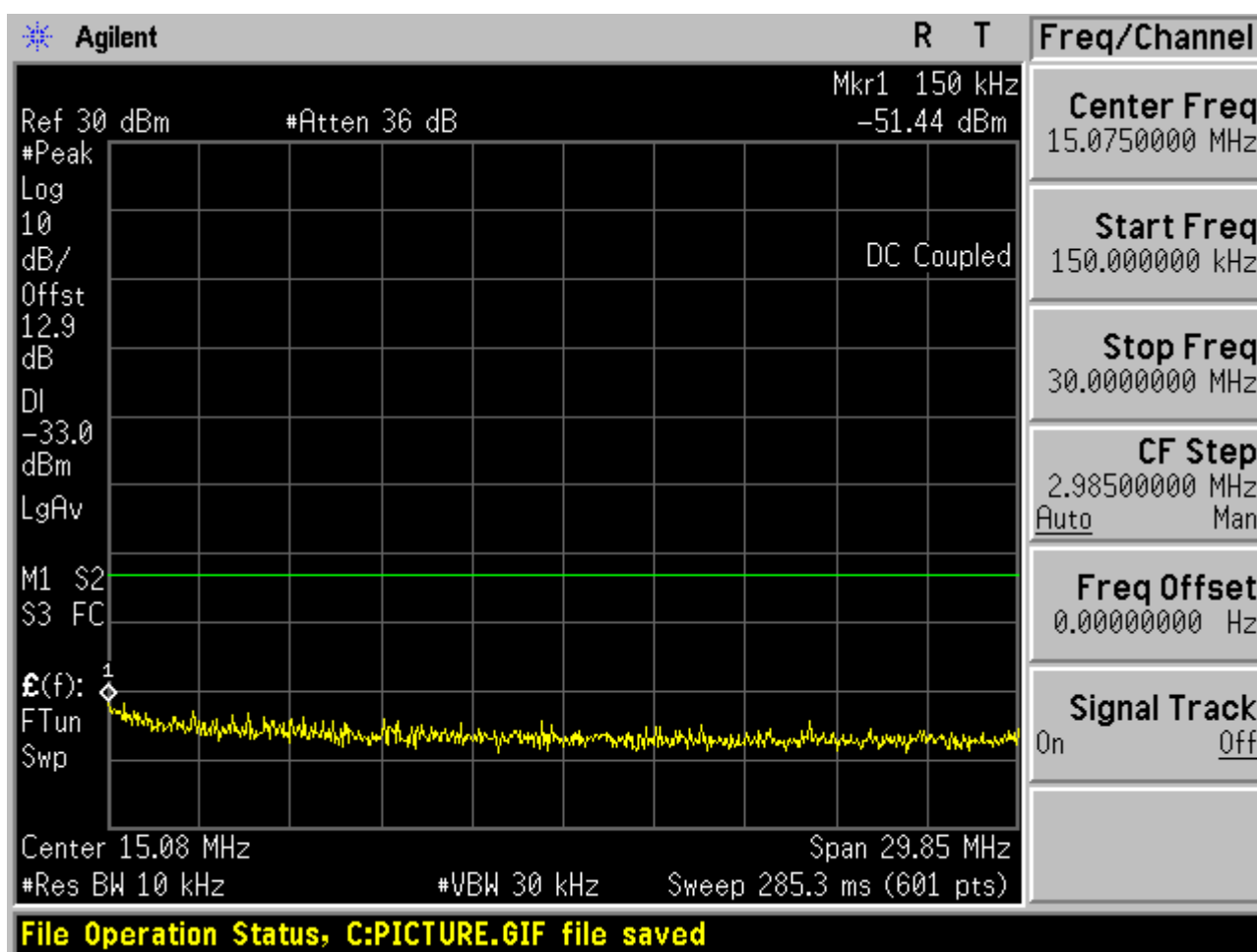


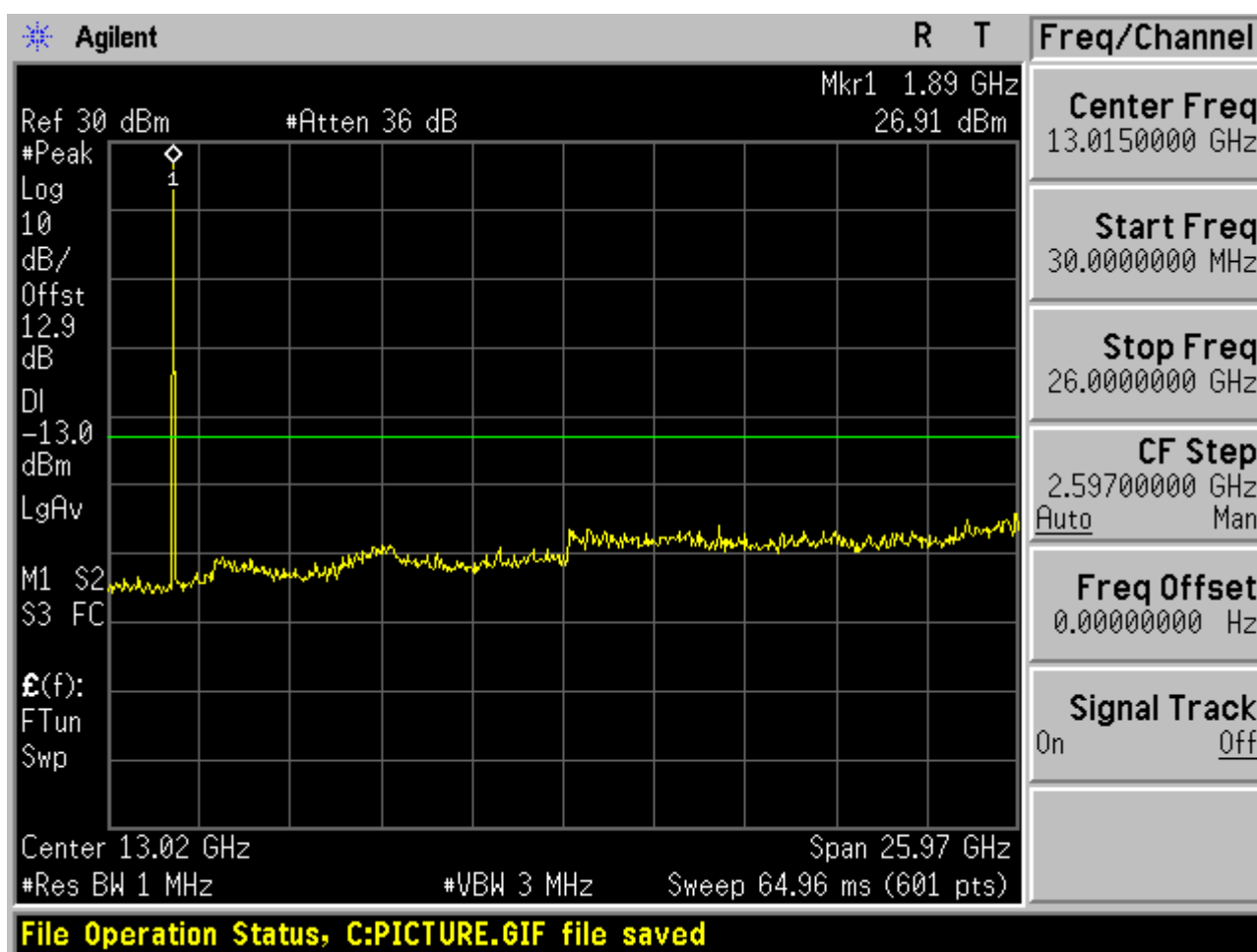


2.1.3.3 Channel = H

2.1.3.3.1 QPSK/1RBs /RB #0





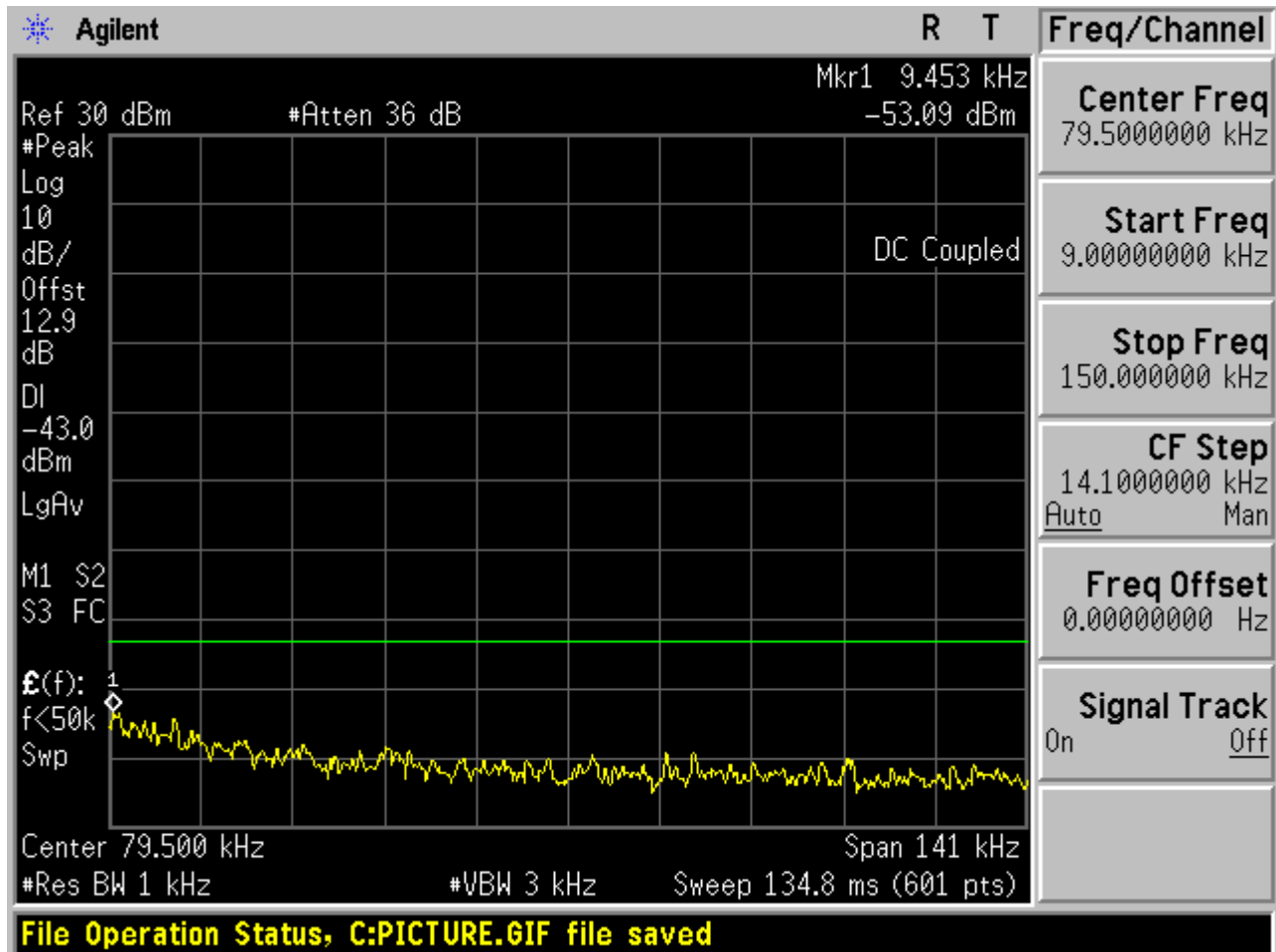


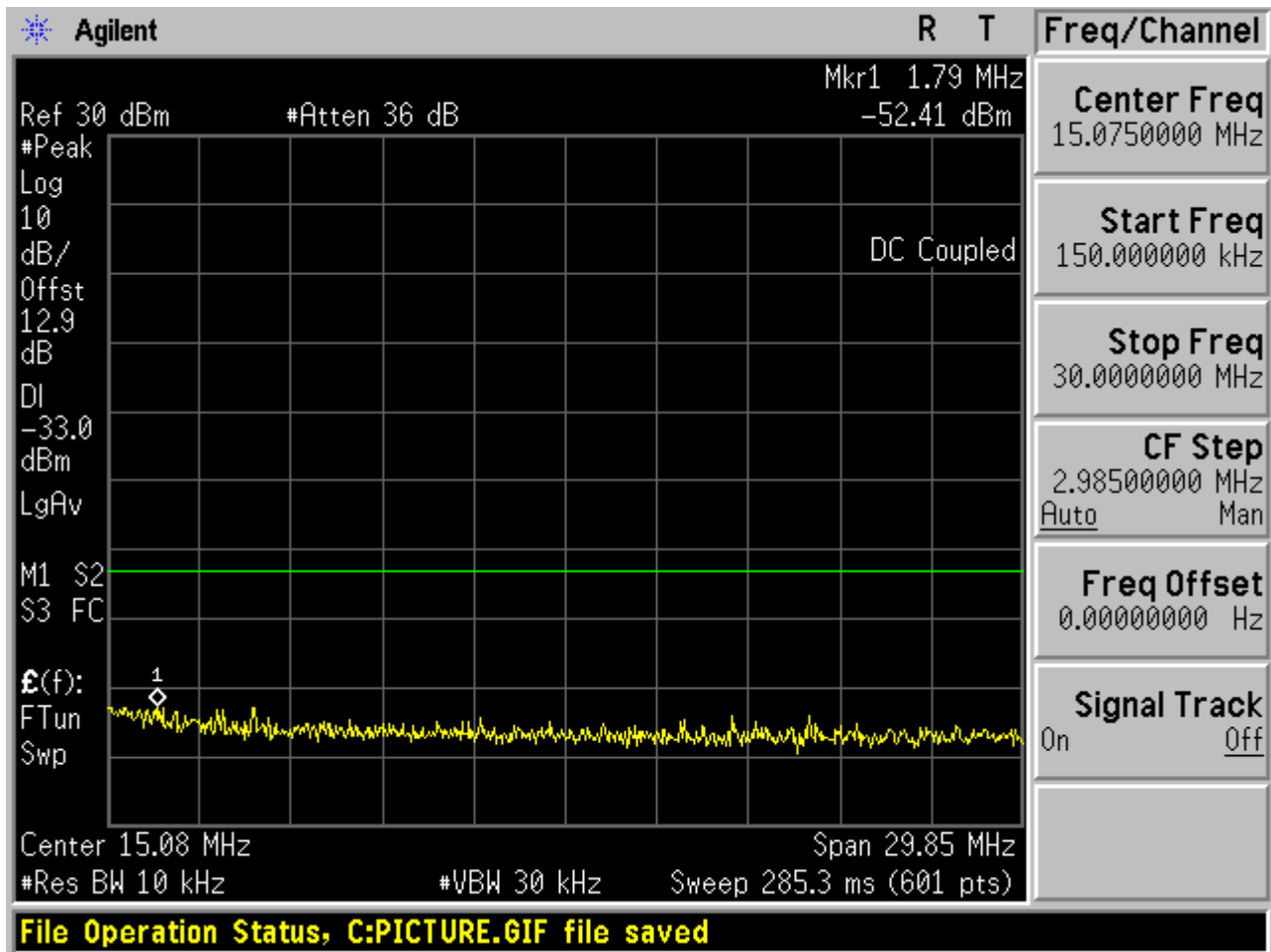


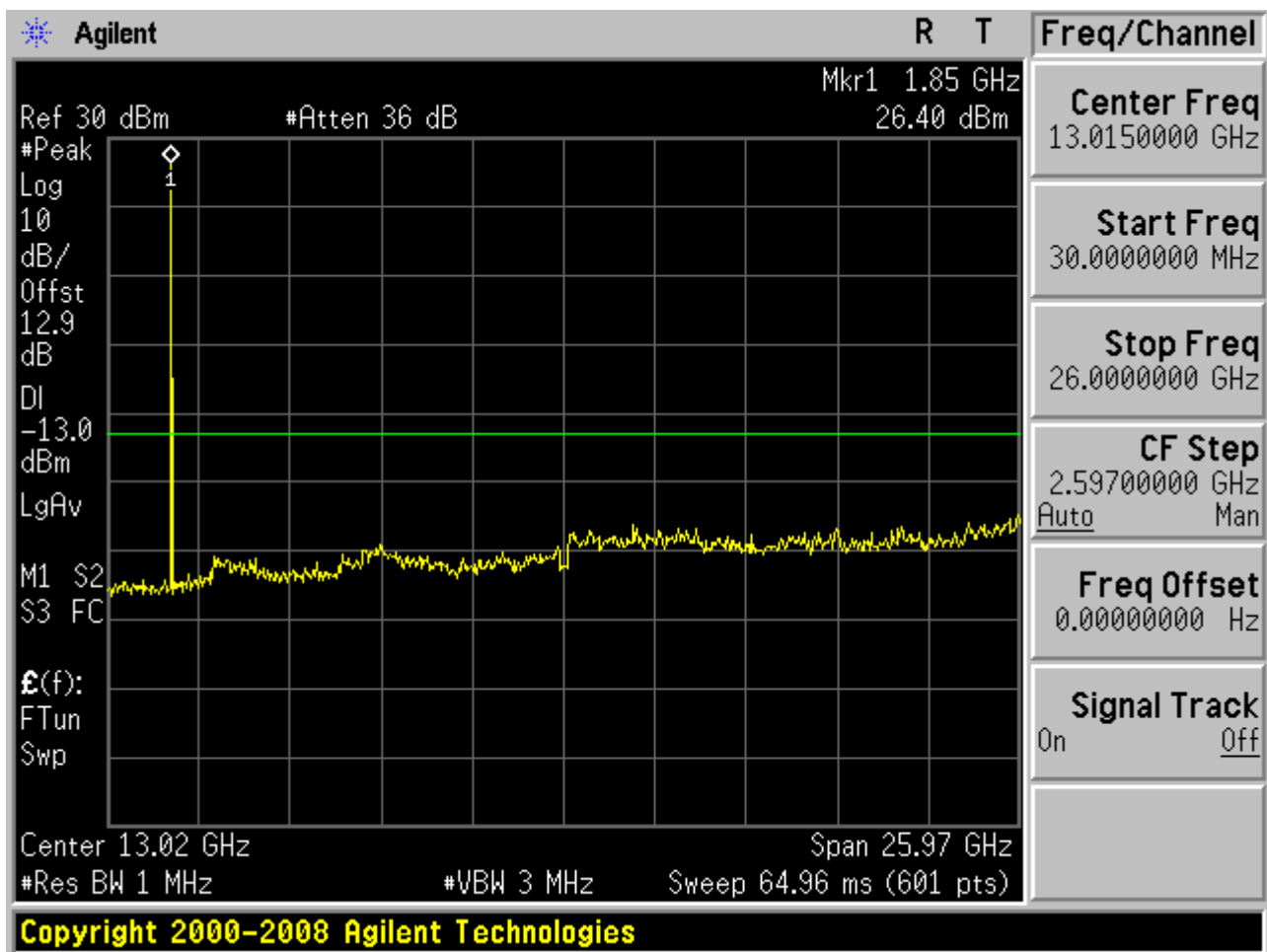
2.1.4 Channel Bandwidth = 10 MHz

2.1.4.1 Channel = L

2.1.4.1.1 QPSK/1RBs /RB #0



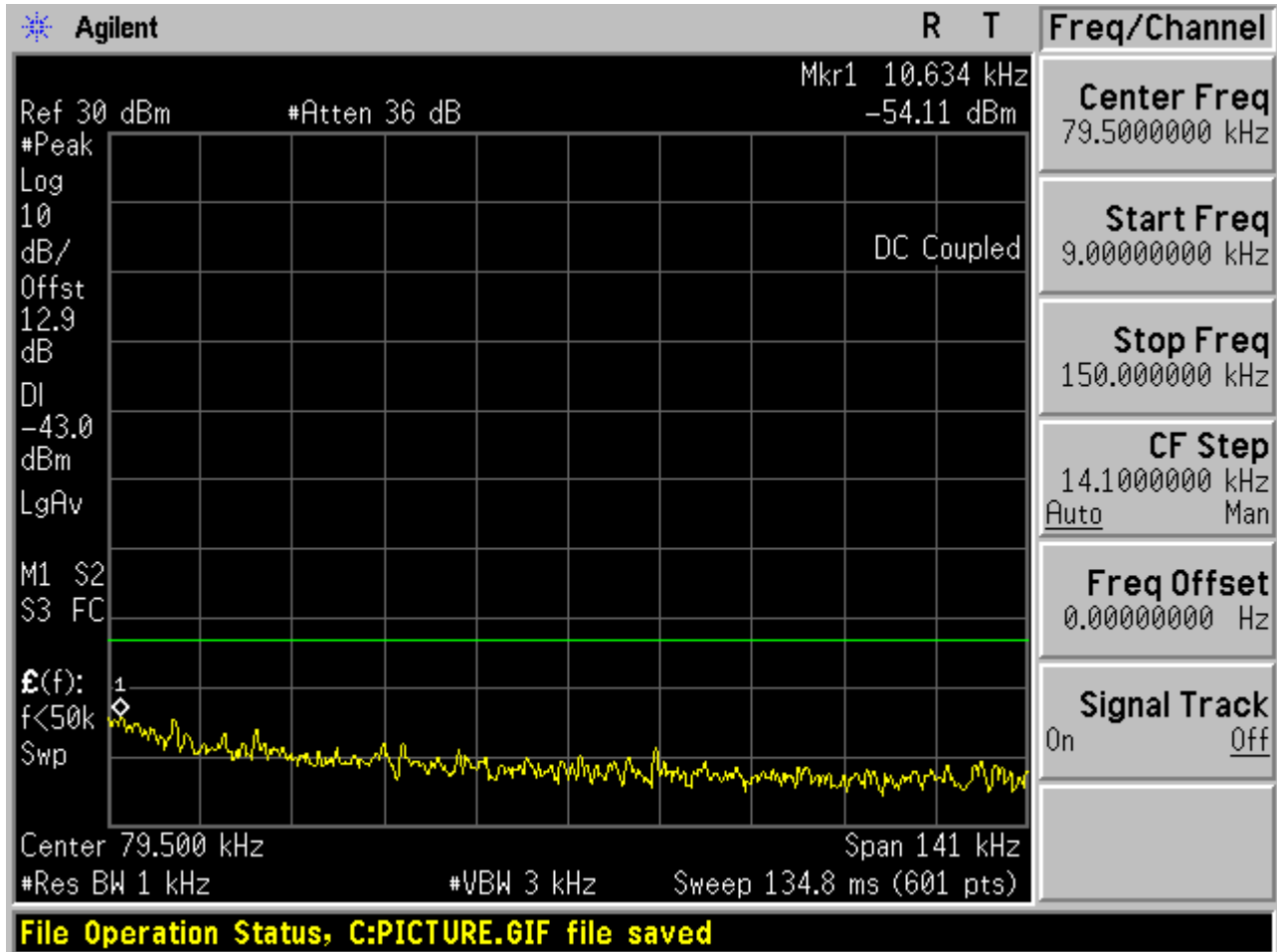


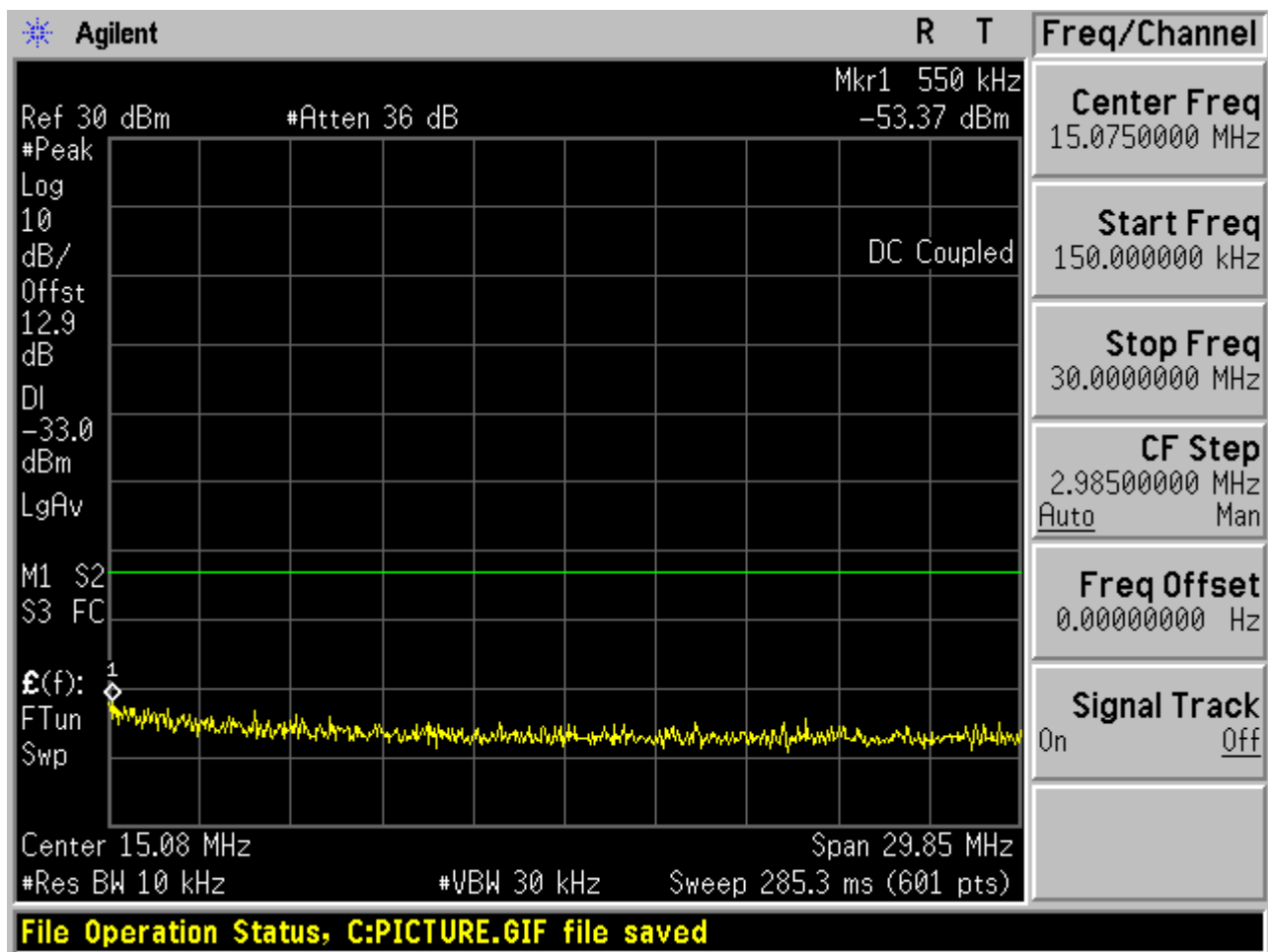


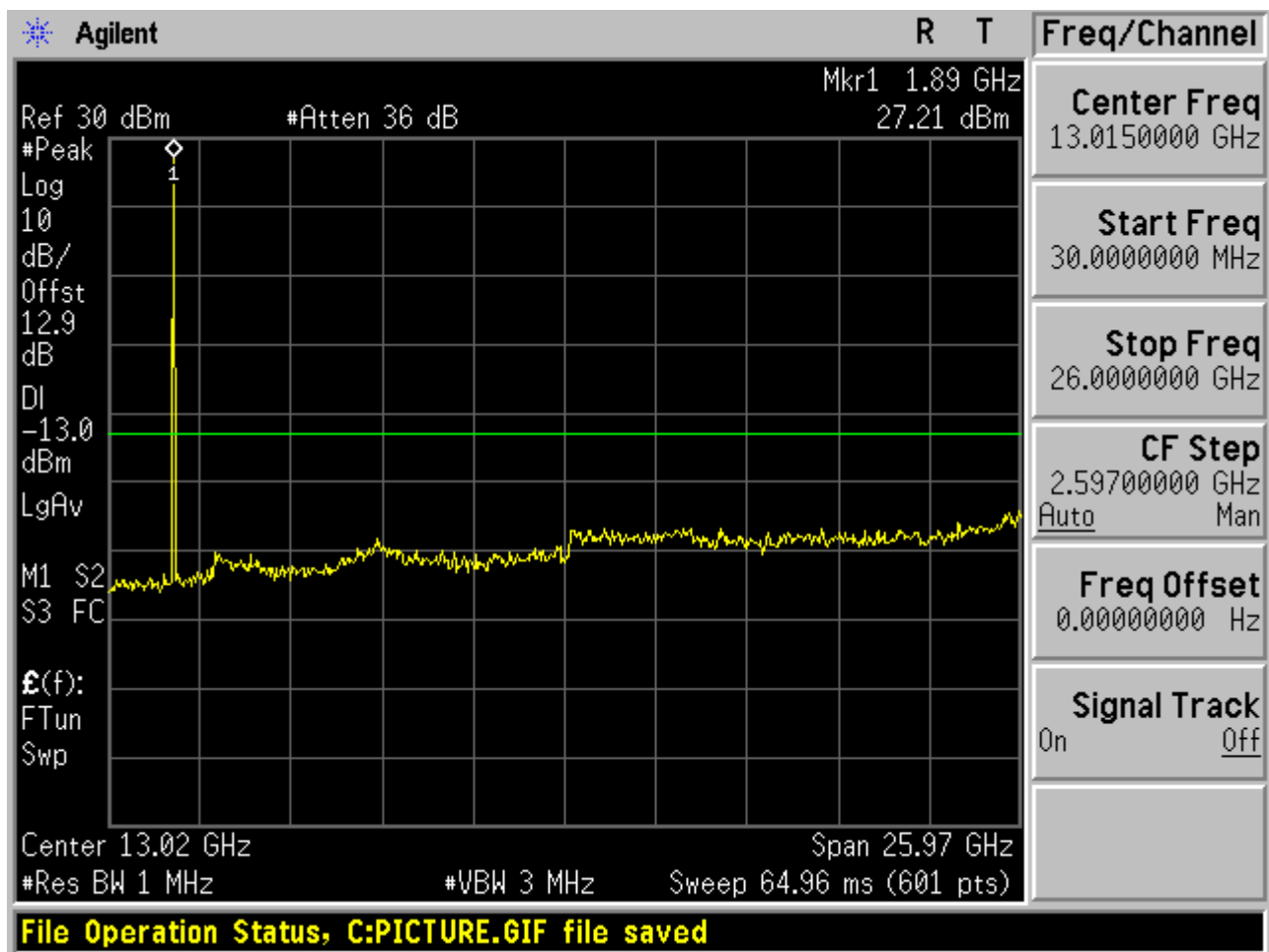


2.1.4.2 Channel = M

2.1.4.2.1 QPSK/1RBs /RB #0



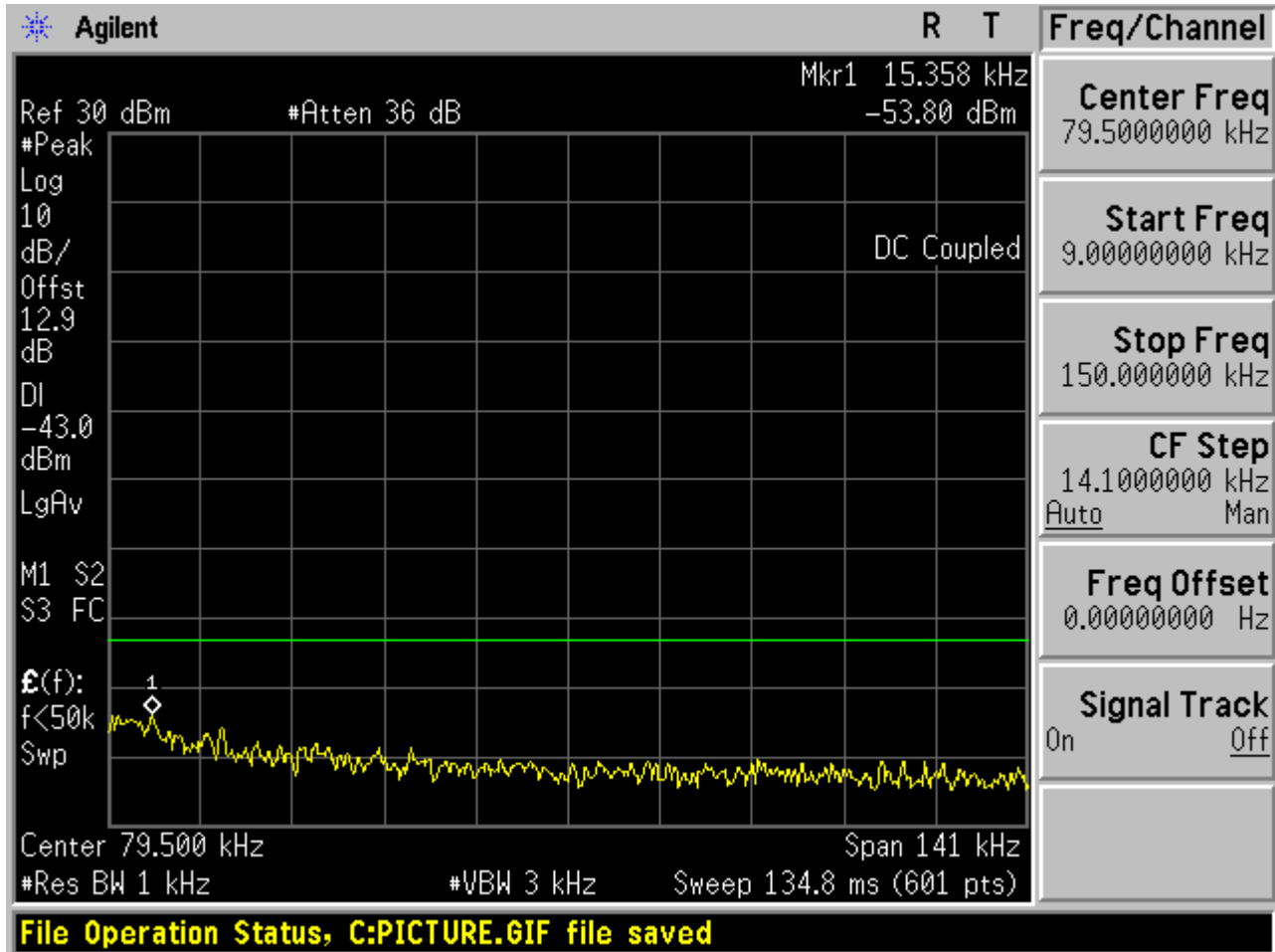


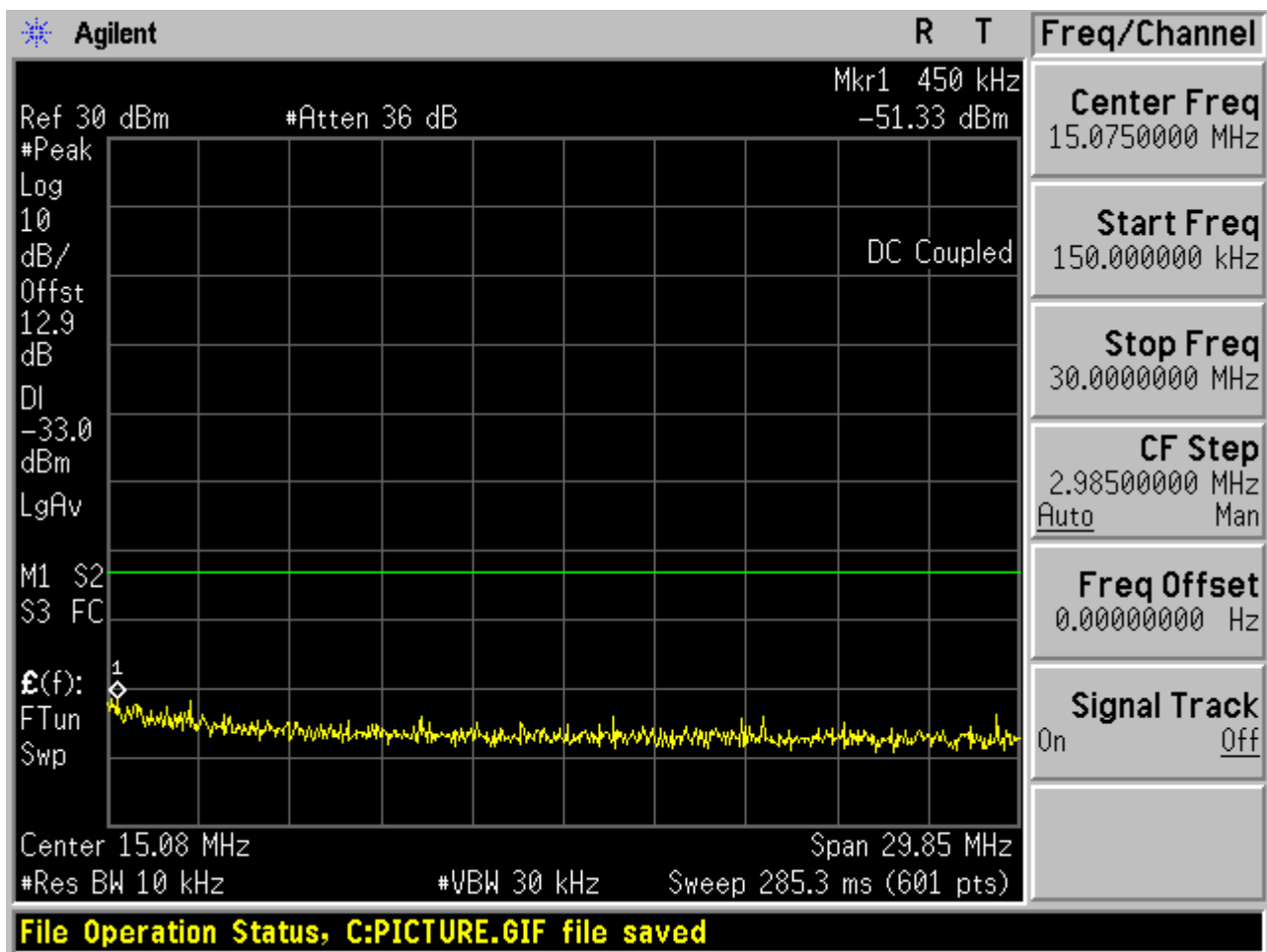


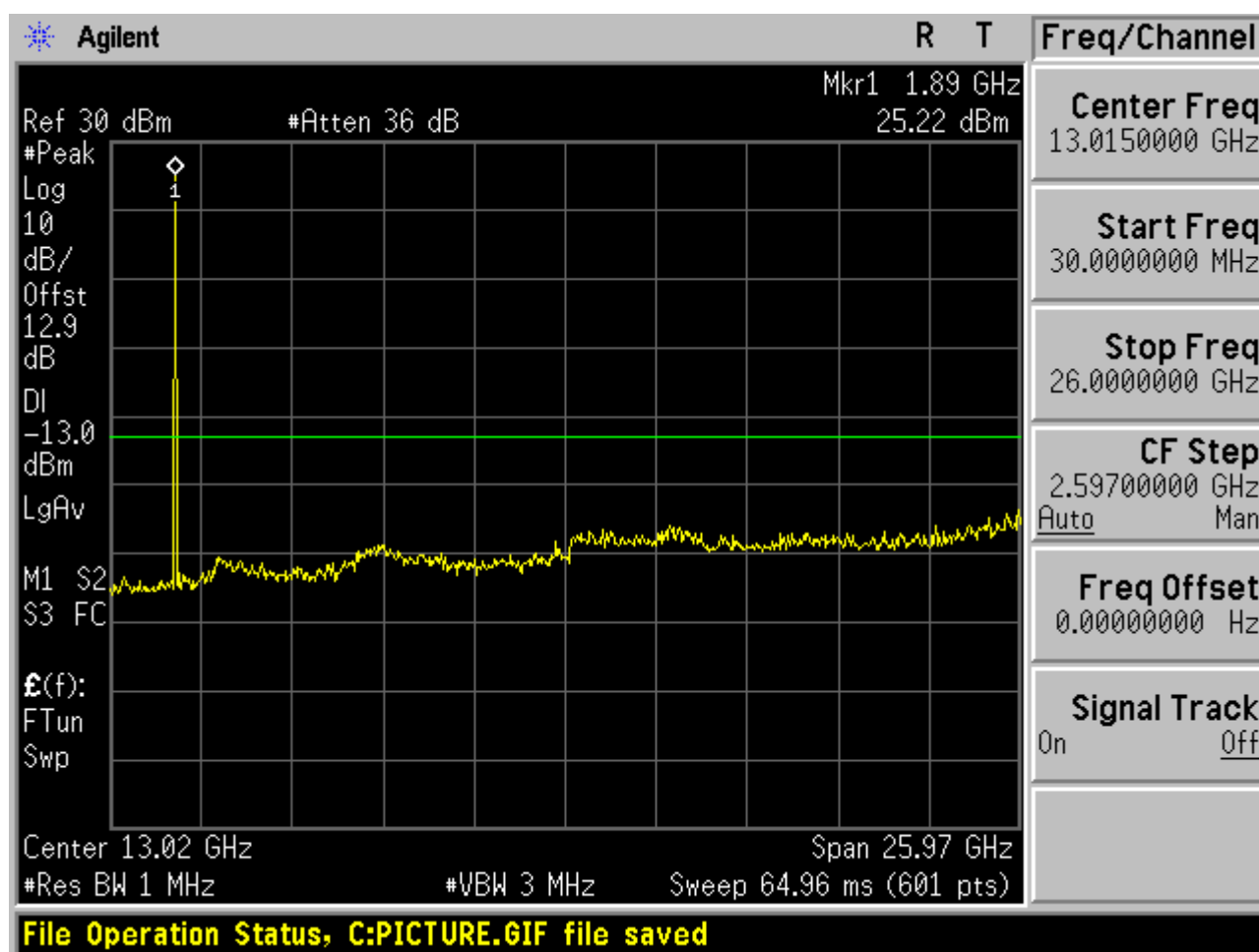


2.1.4.3 Channel = H

2.1.4.3.1 QPSK/1RBs /RB #0





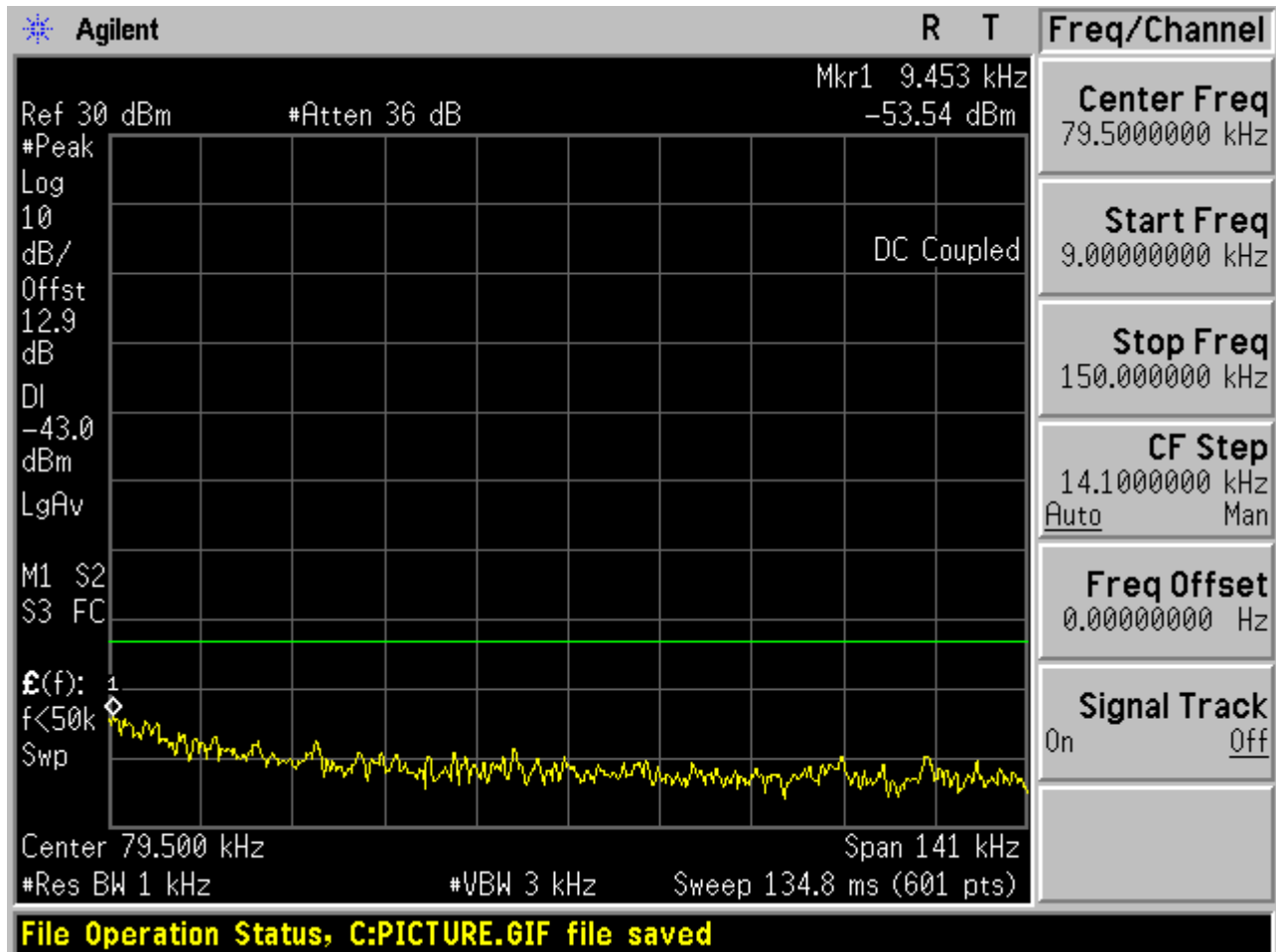


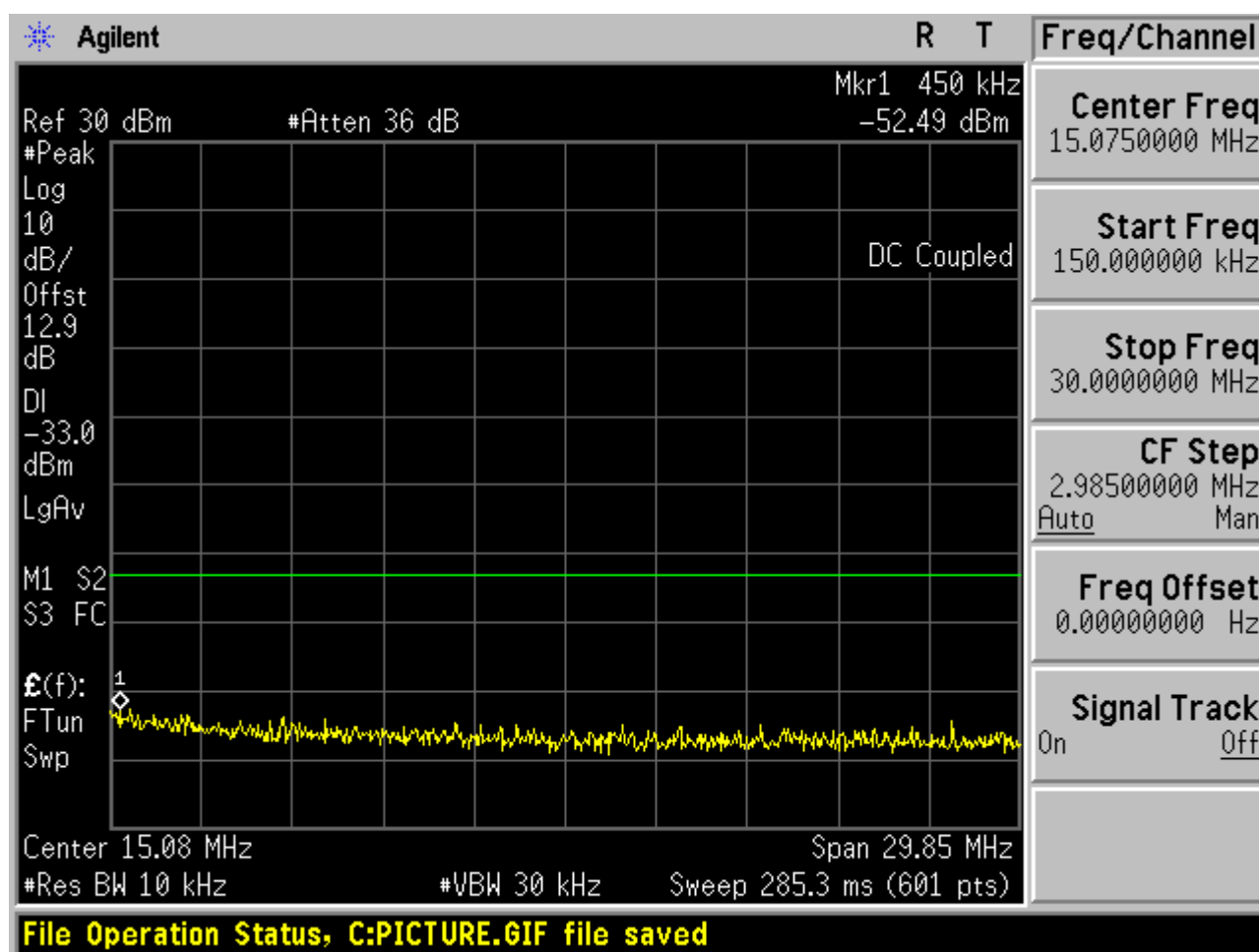


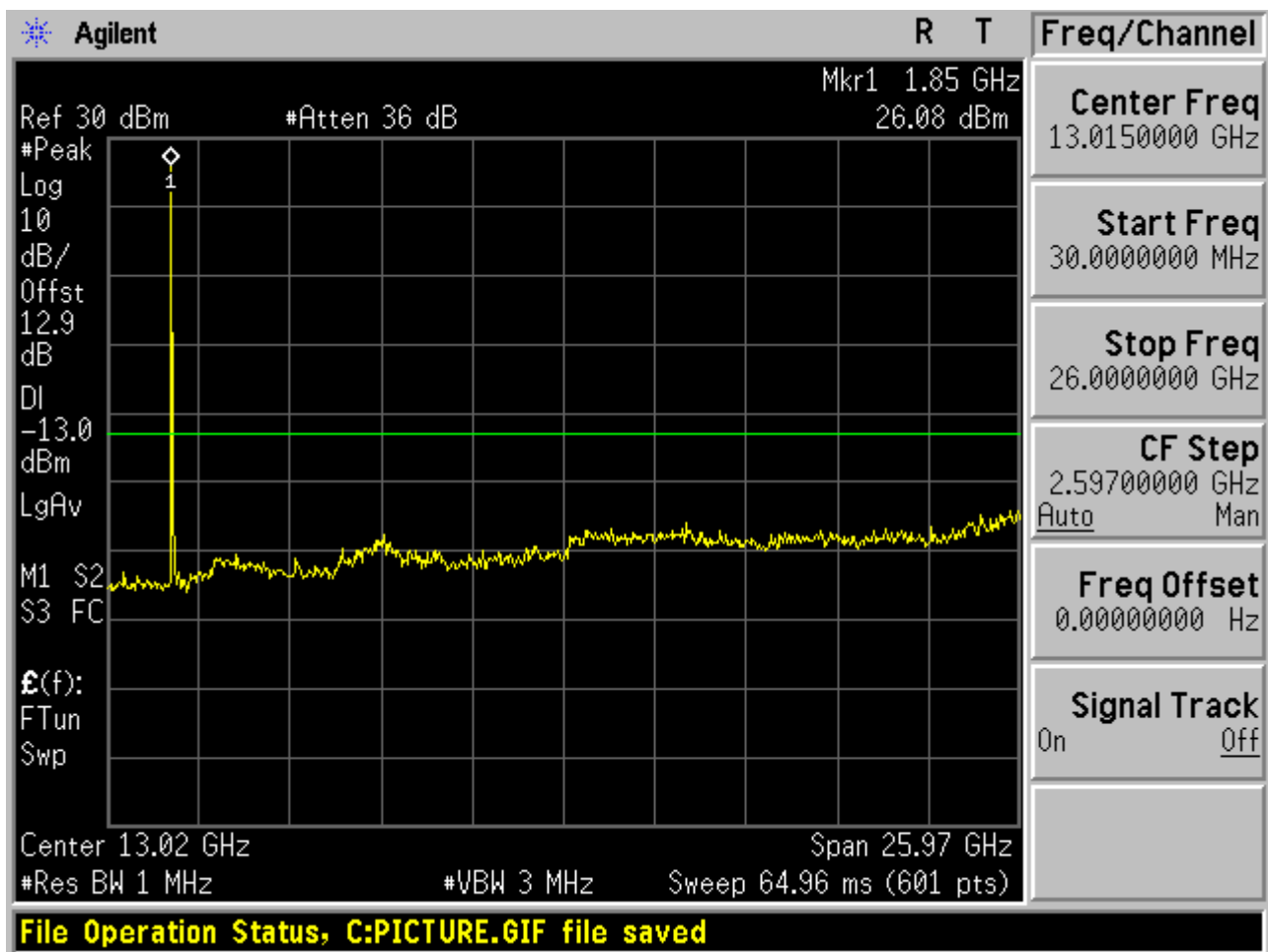
2.1.5 Channel Bandwidth = 15 MHz

2.1.5.1 Channel = L

2.1.5.1.1 QPSK/1RBs /RB #0



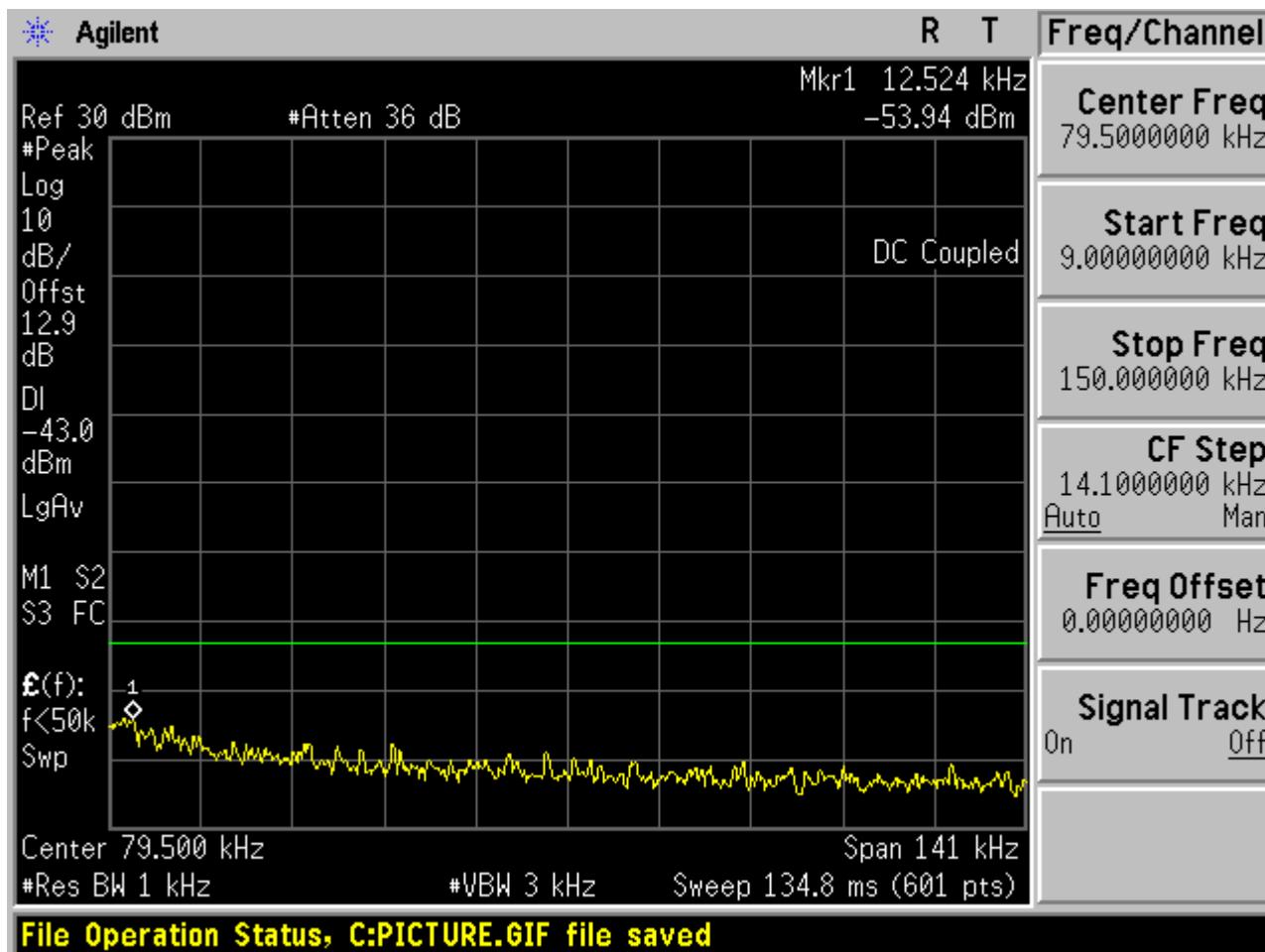


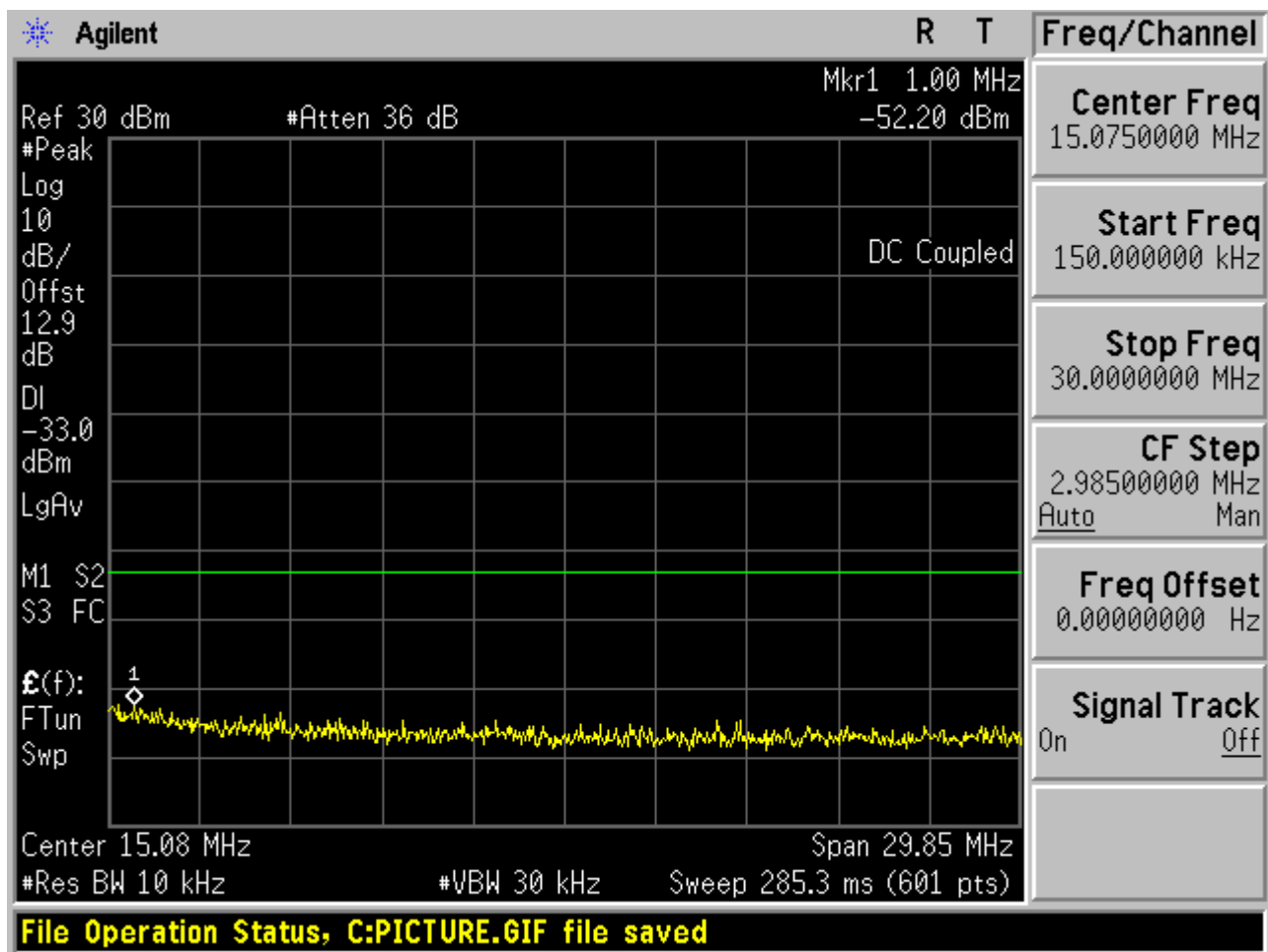


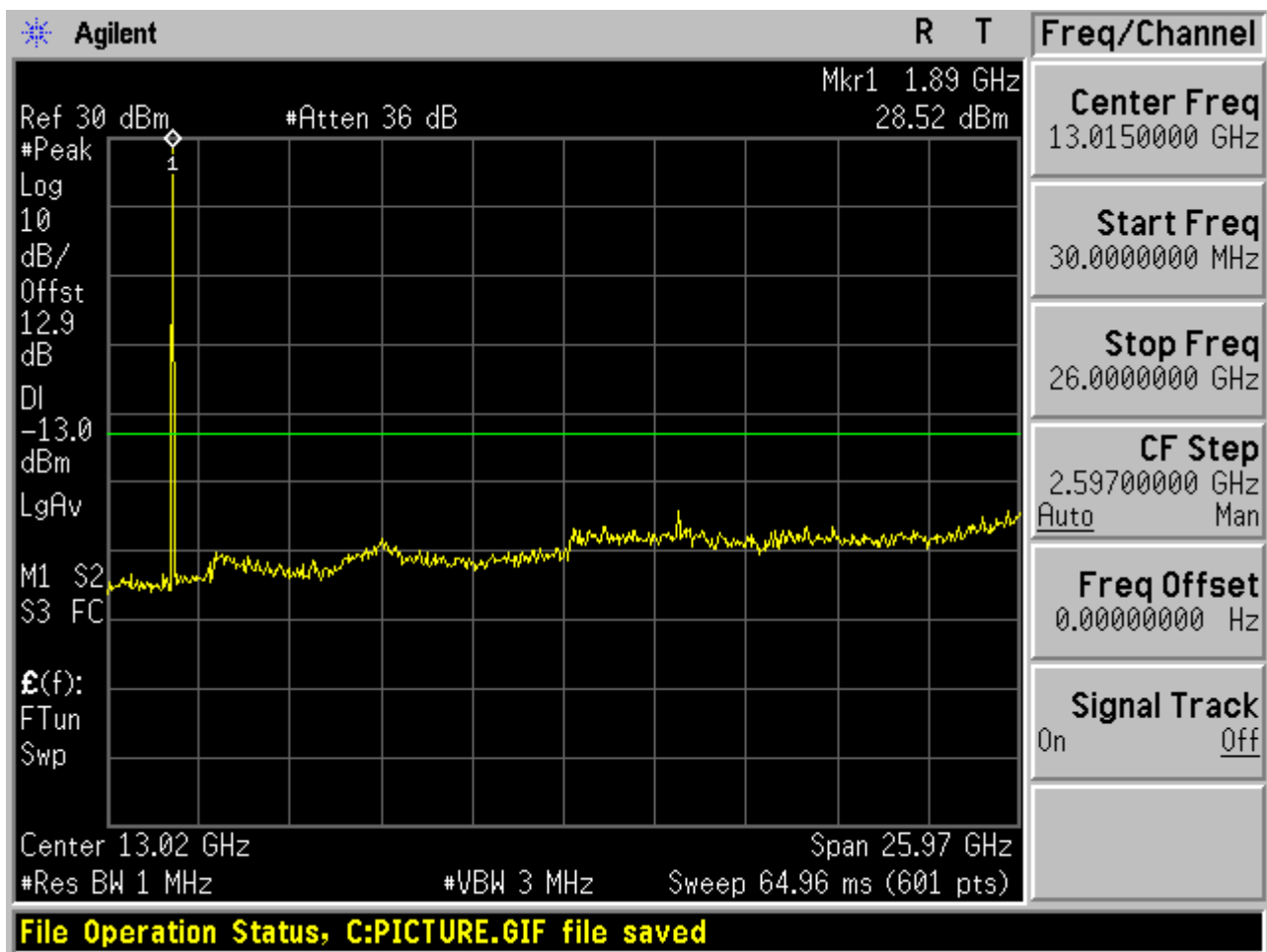


2.1.5.2 Channel = M

2.1.5.2.1 QPSK/1RBs /RB #0



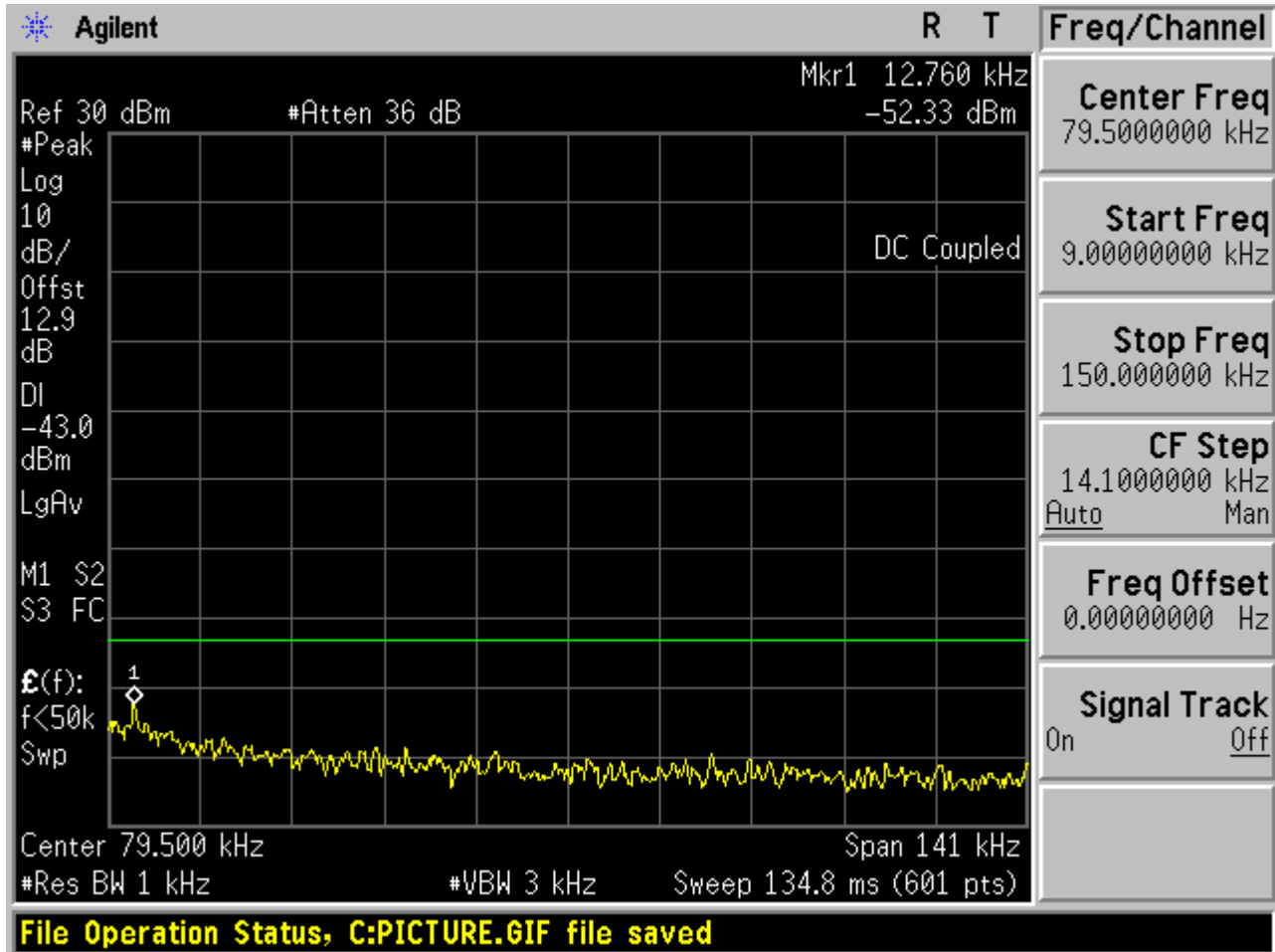


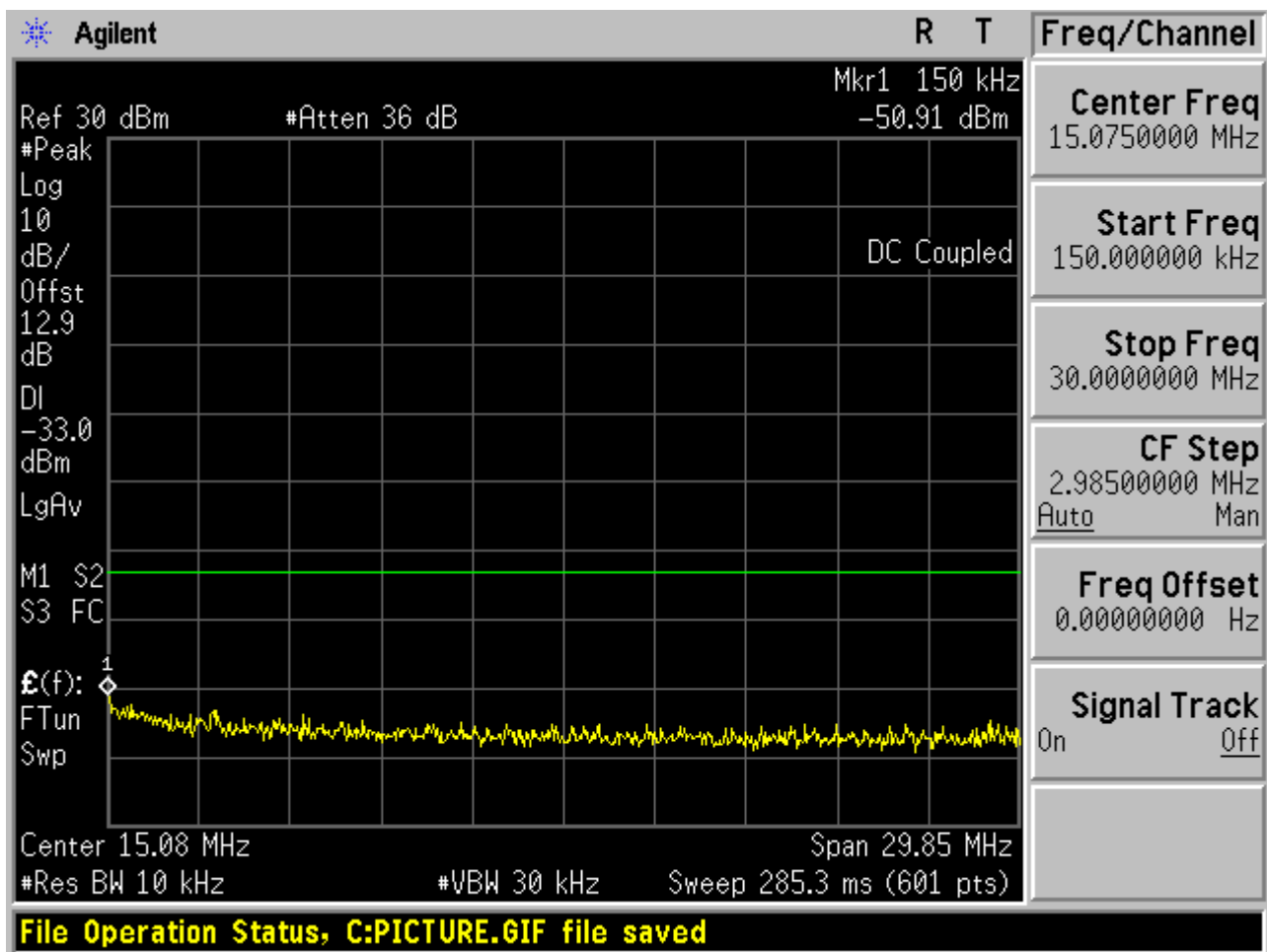


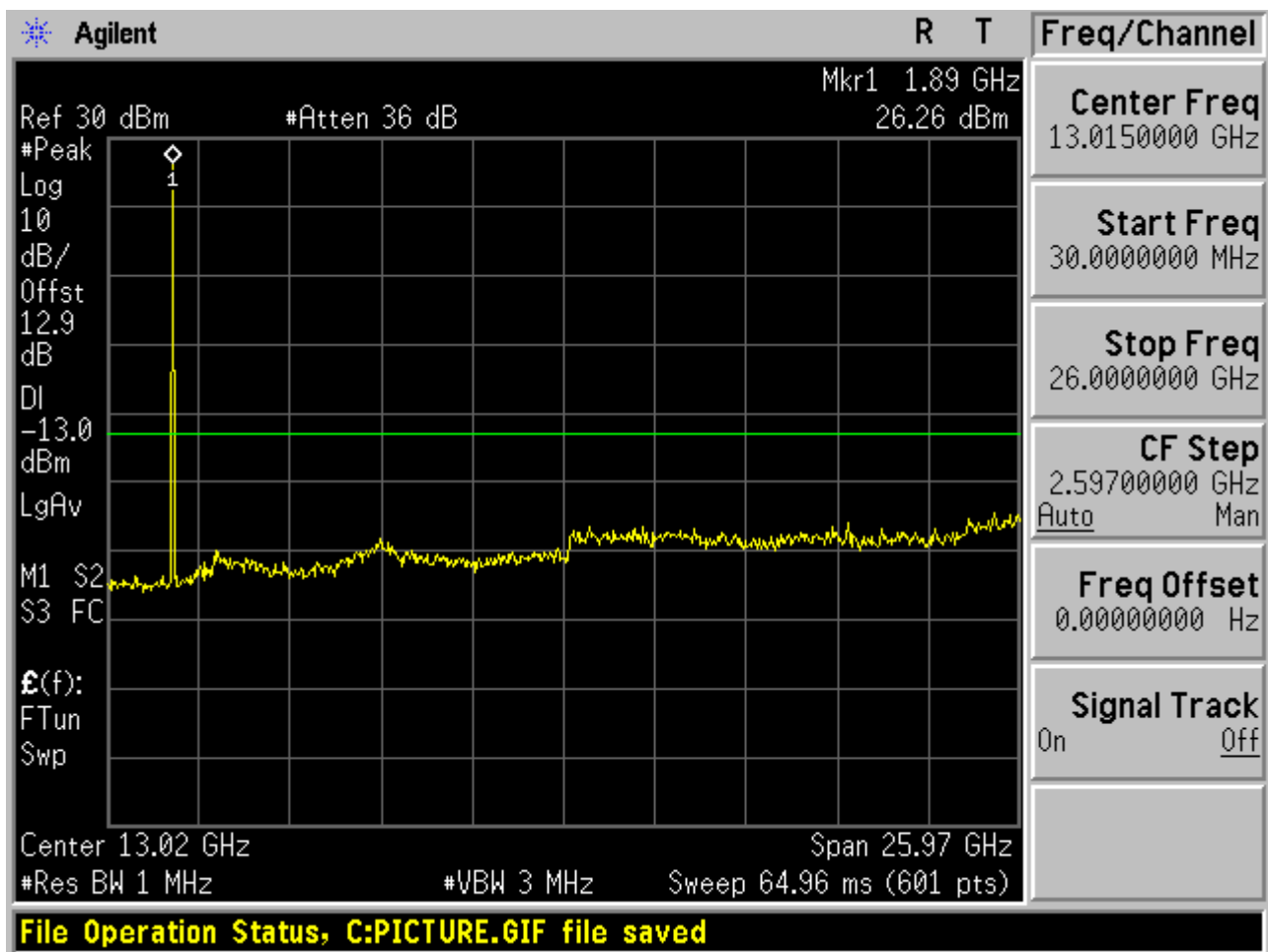


2.1.5.3 Channel = H

2.1.5.3.1 QPSK/1RBs /RB #0





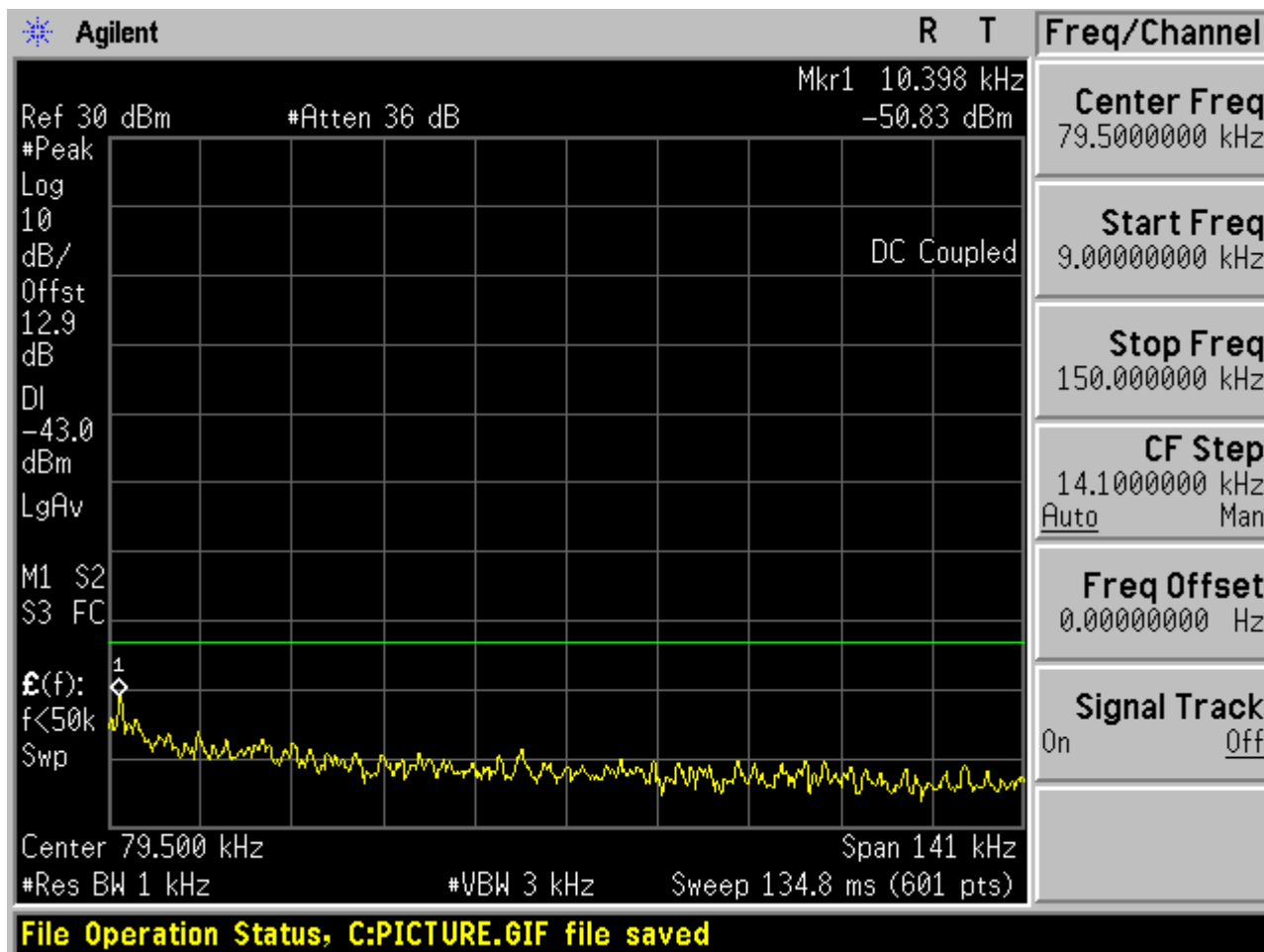


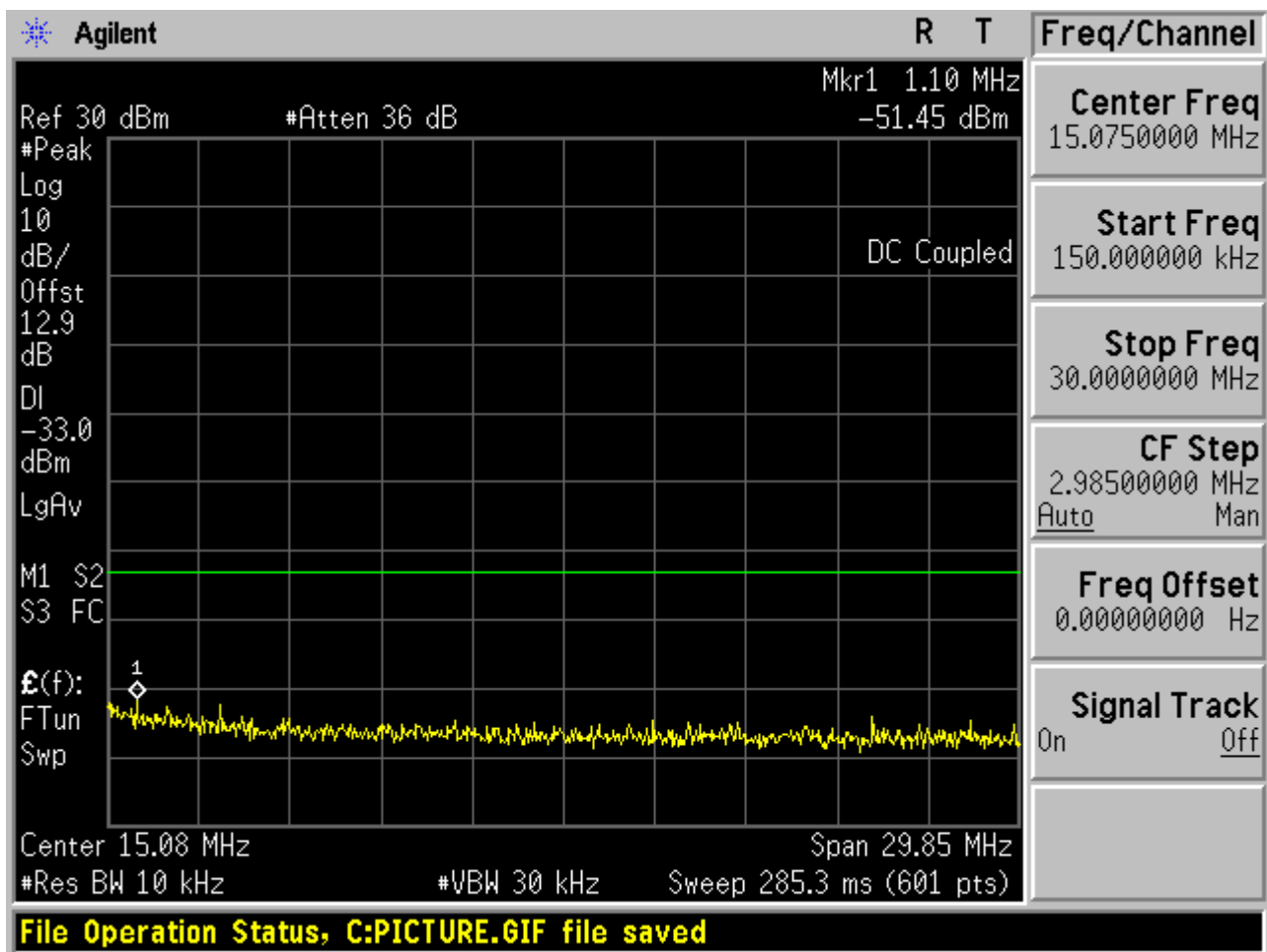


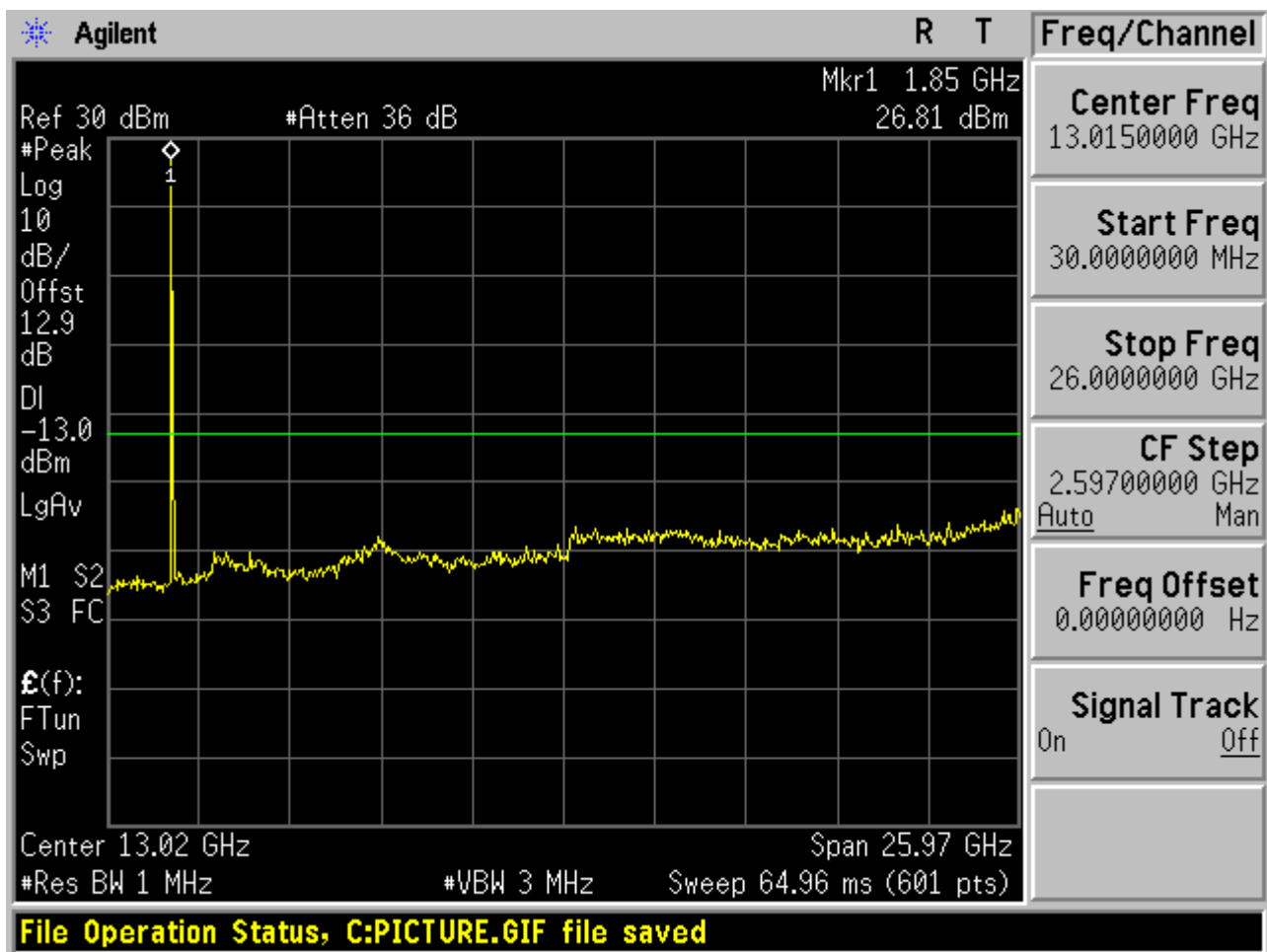
2.1.6 Channel Bandwidth = 20 MHz

2.1.6.1 Channel = L

2.1.6.1.1 QPSK/1RBs /RB #0



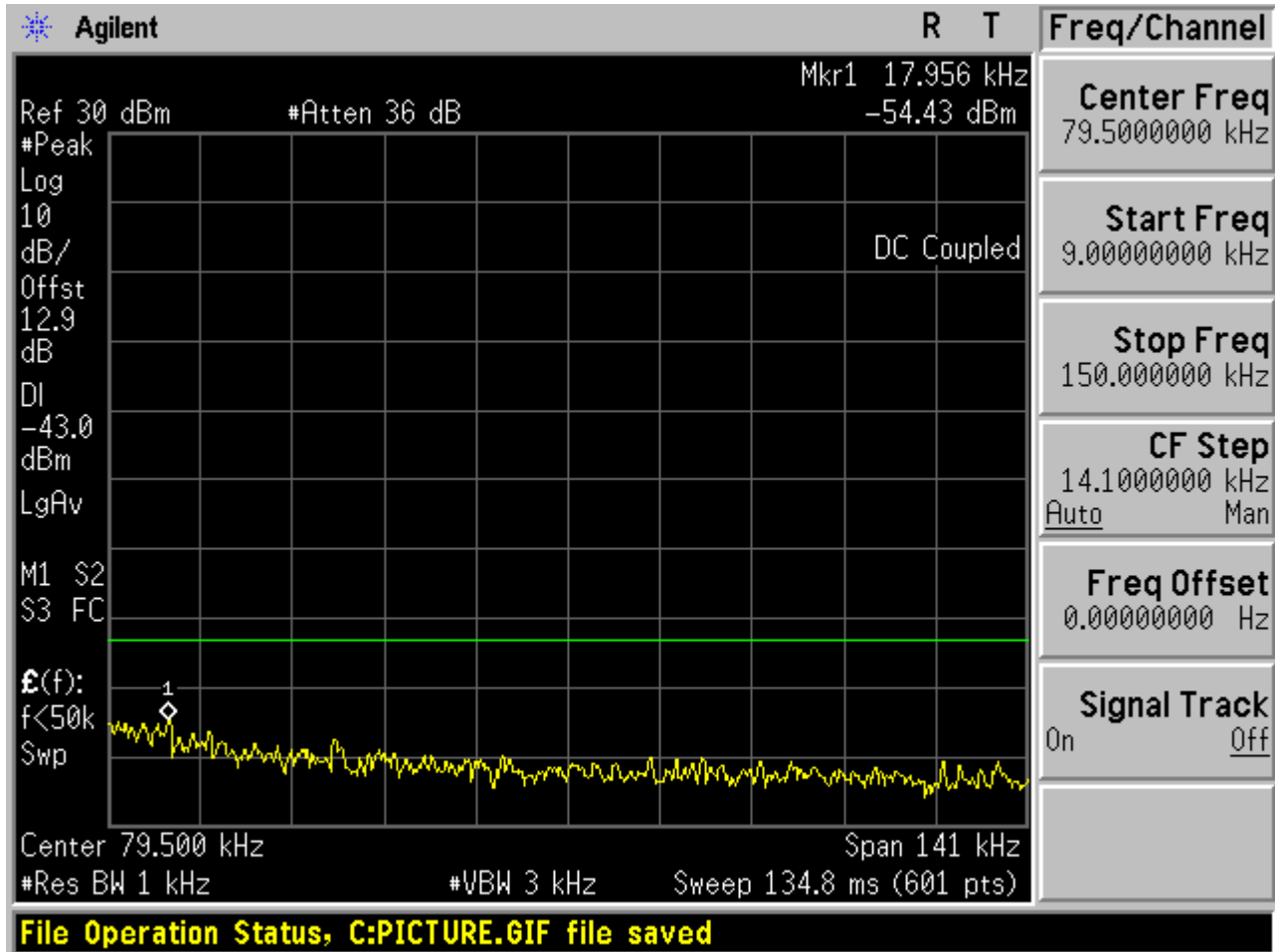


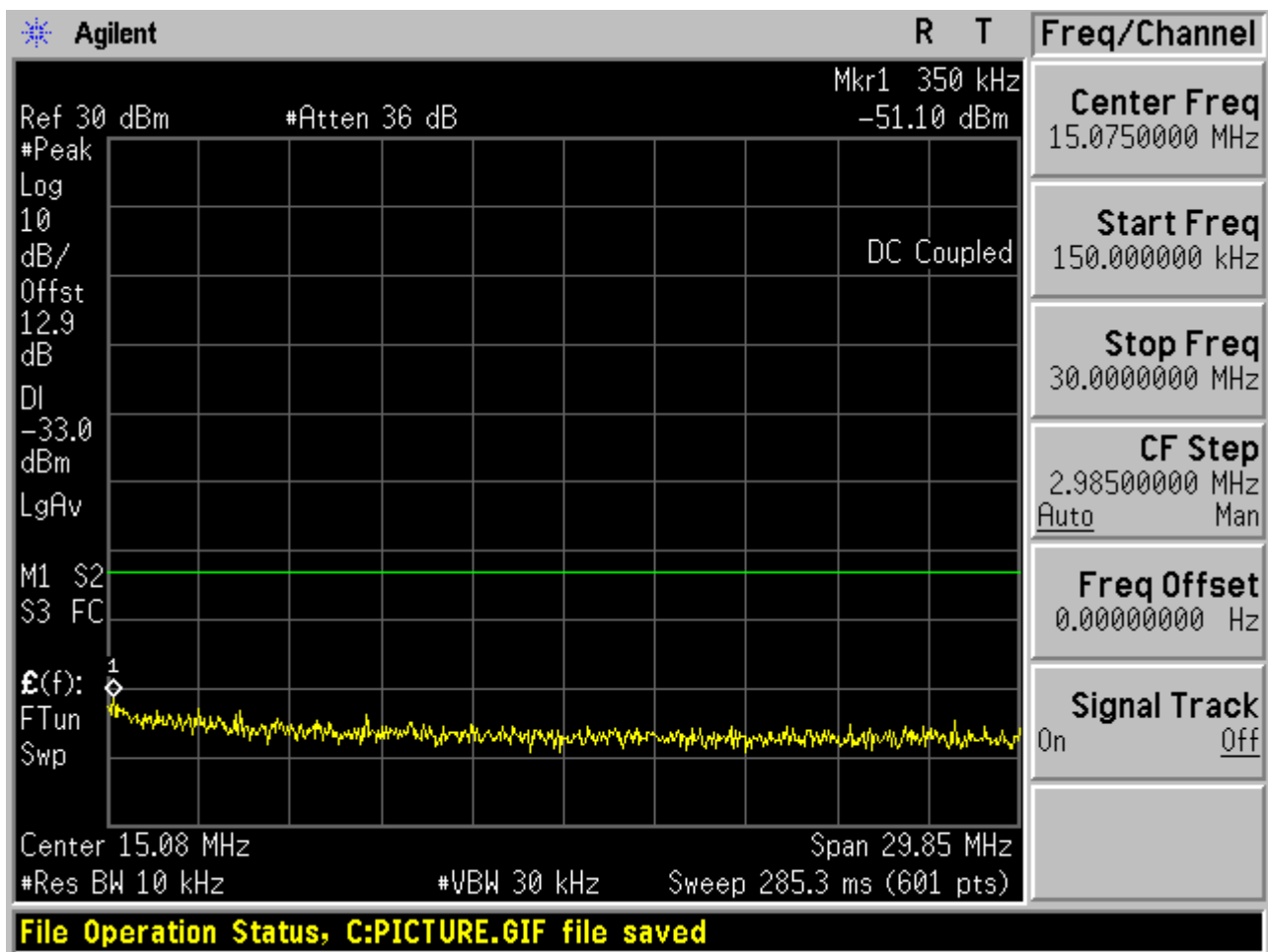


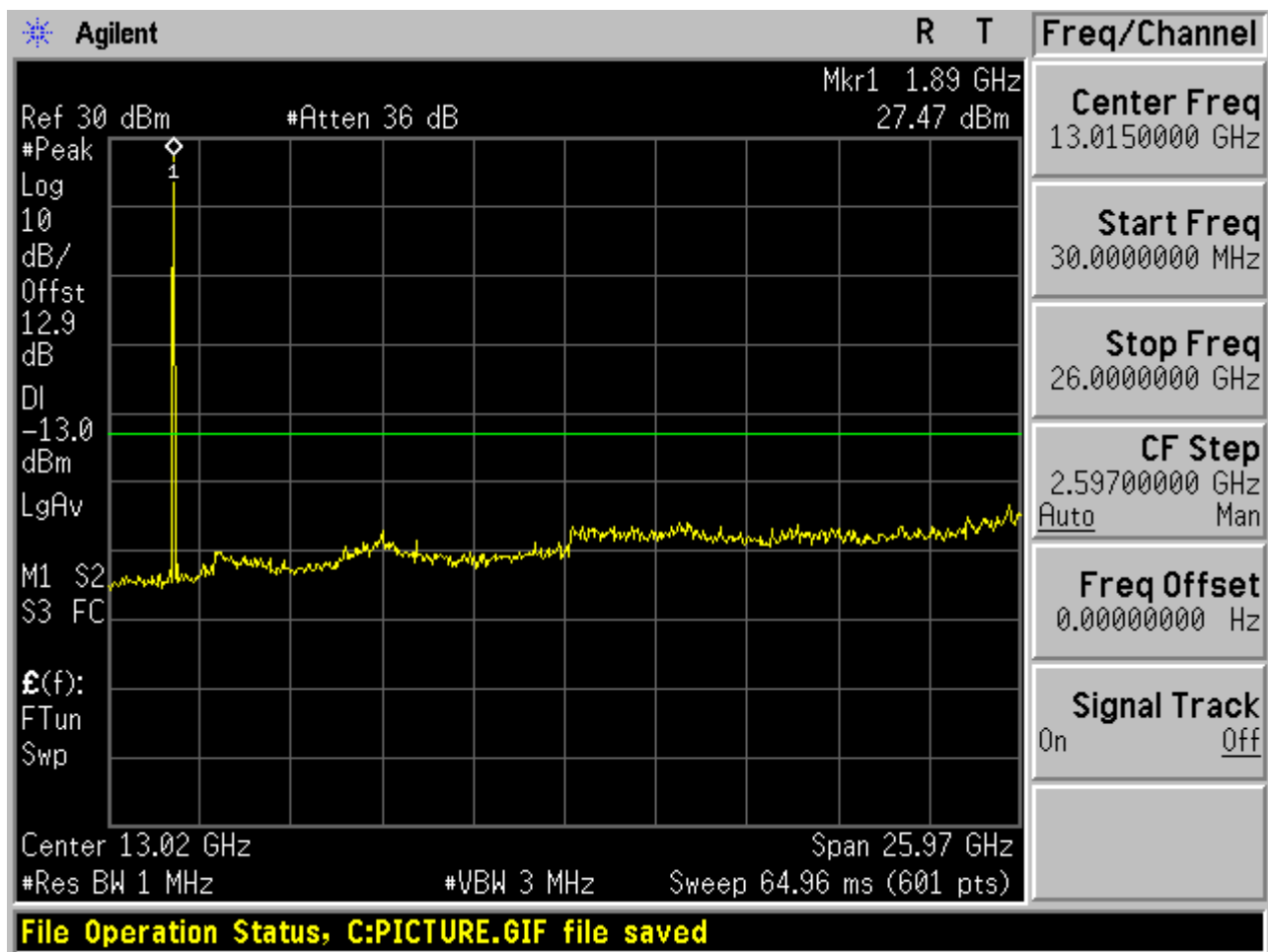


2.1.6.2 Channel = M

2.1.6.2.1 QPSK/1RBs /RB #0



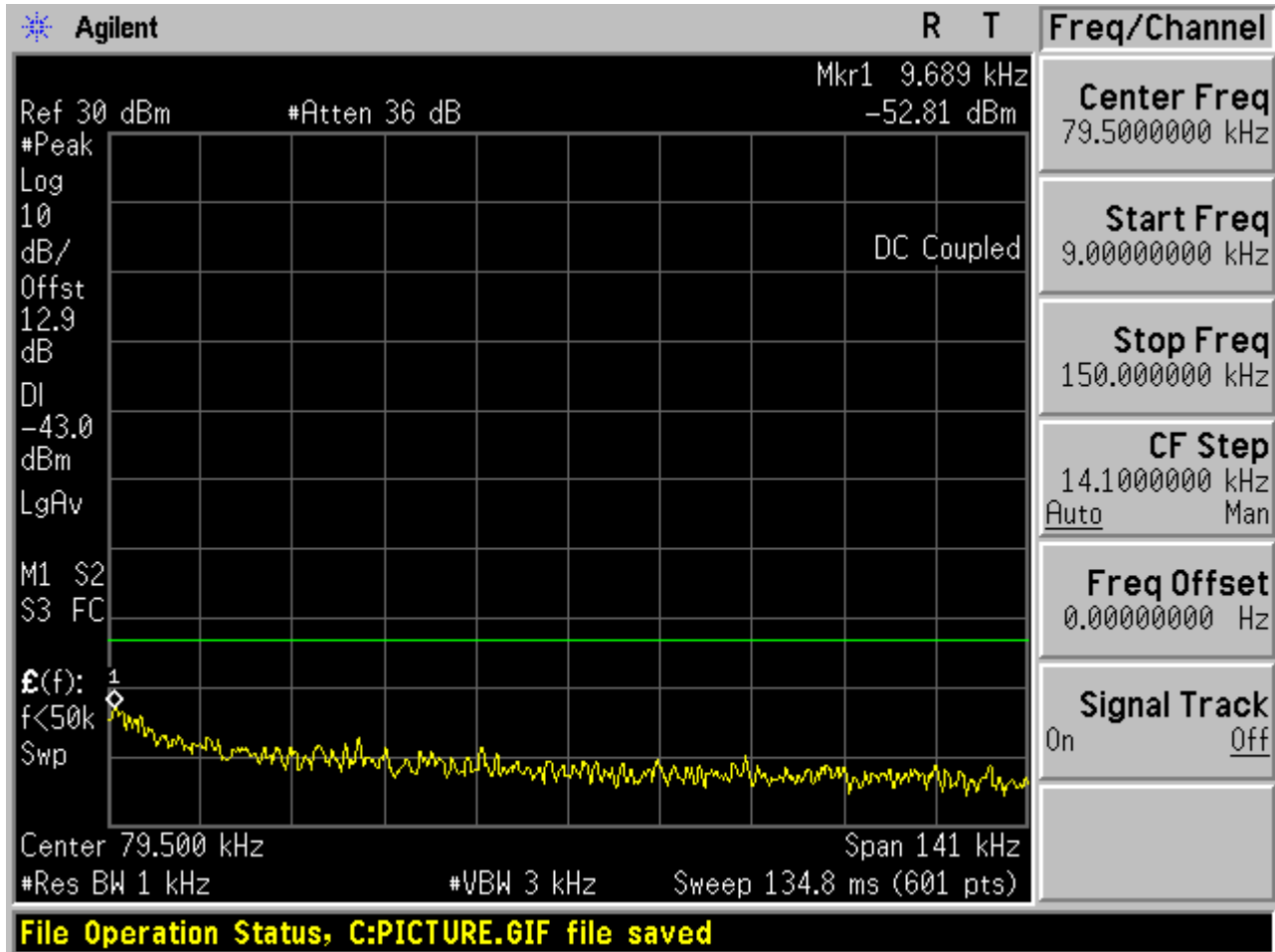


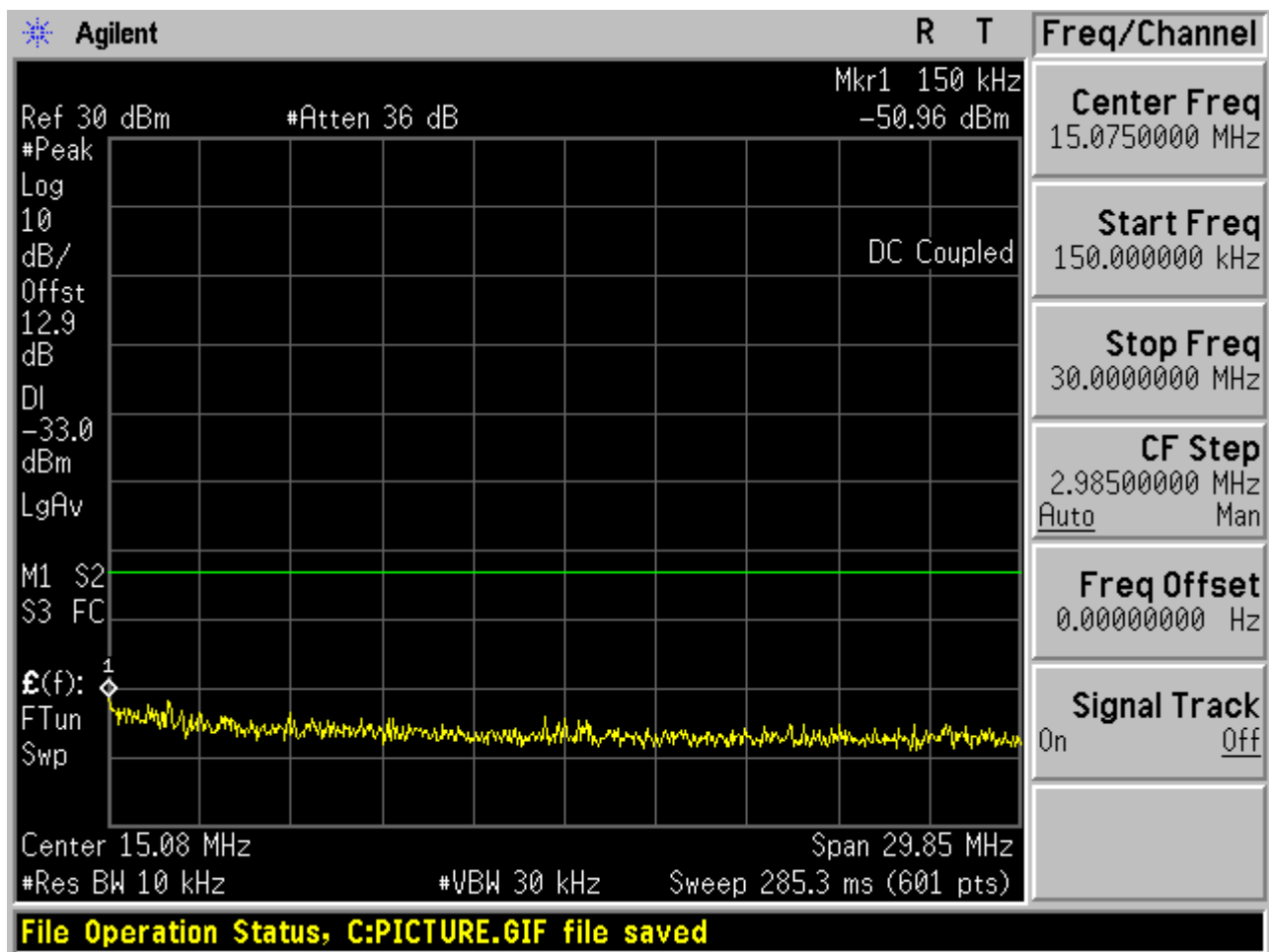


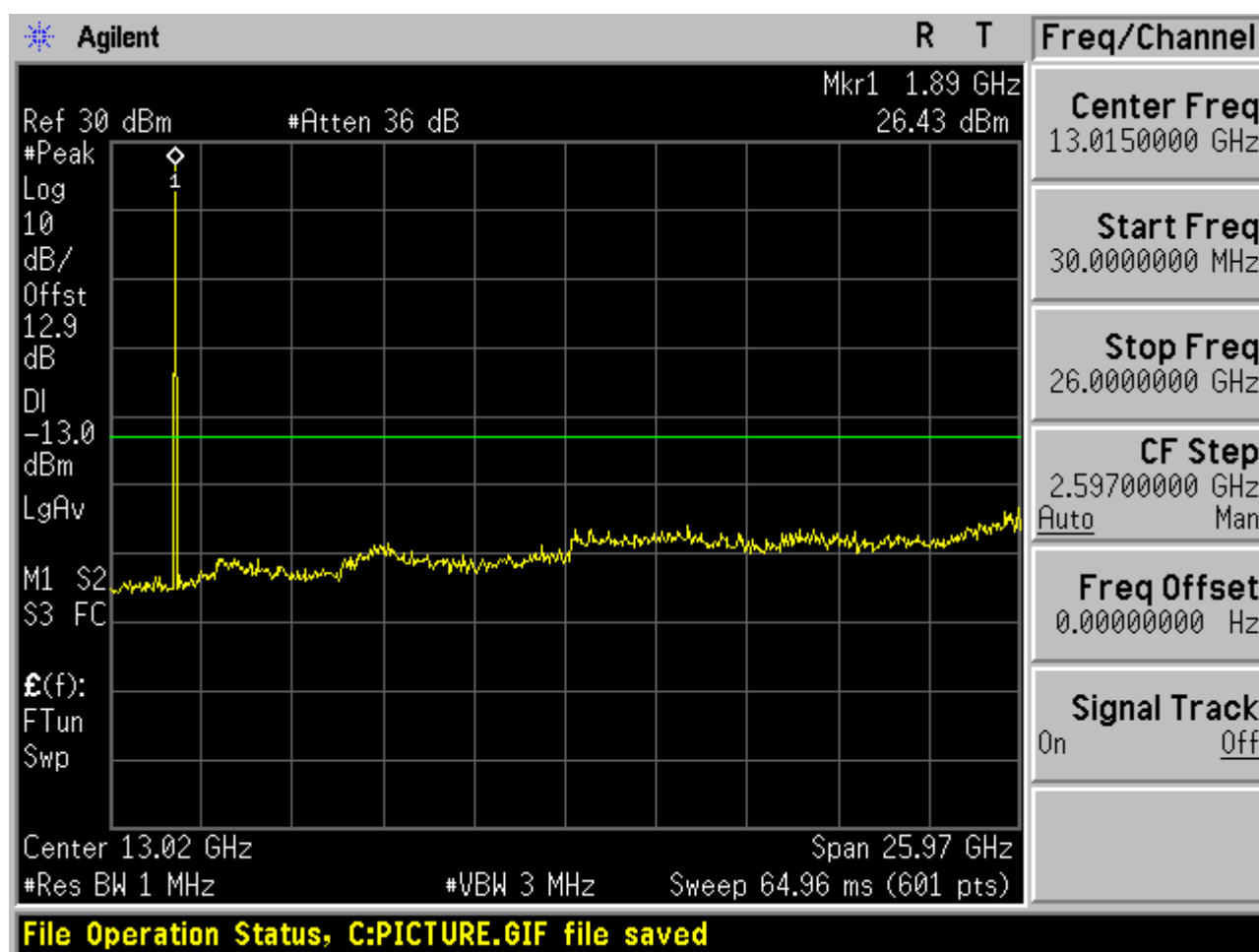


2.1.6.3 Channel = H

2.1.6.3.1 QPSK/1RBs /RB #0







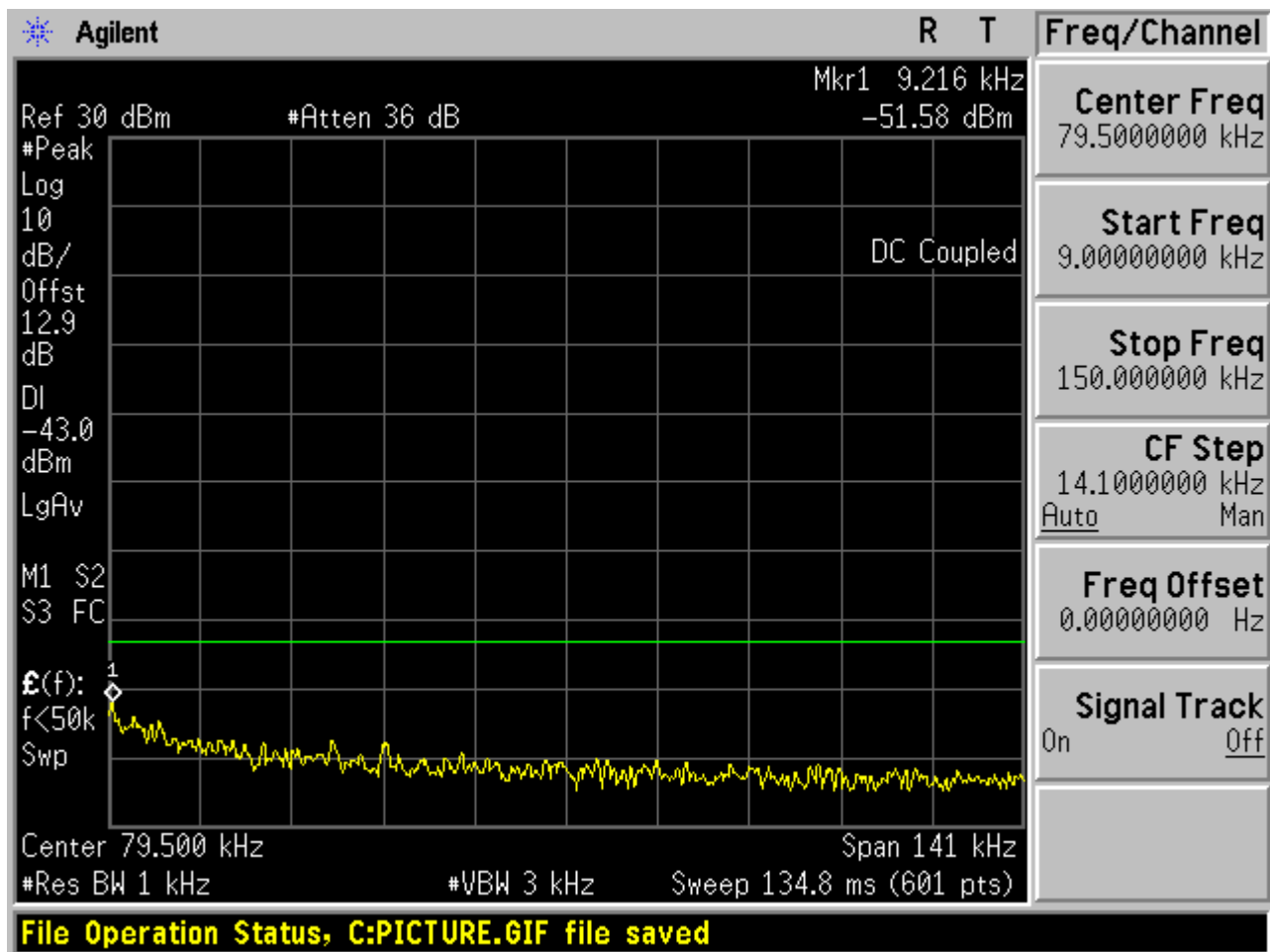


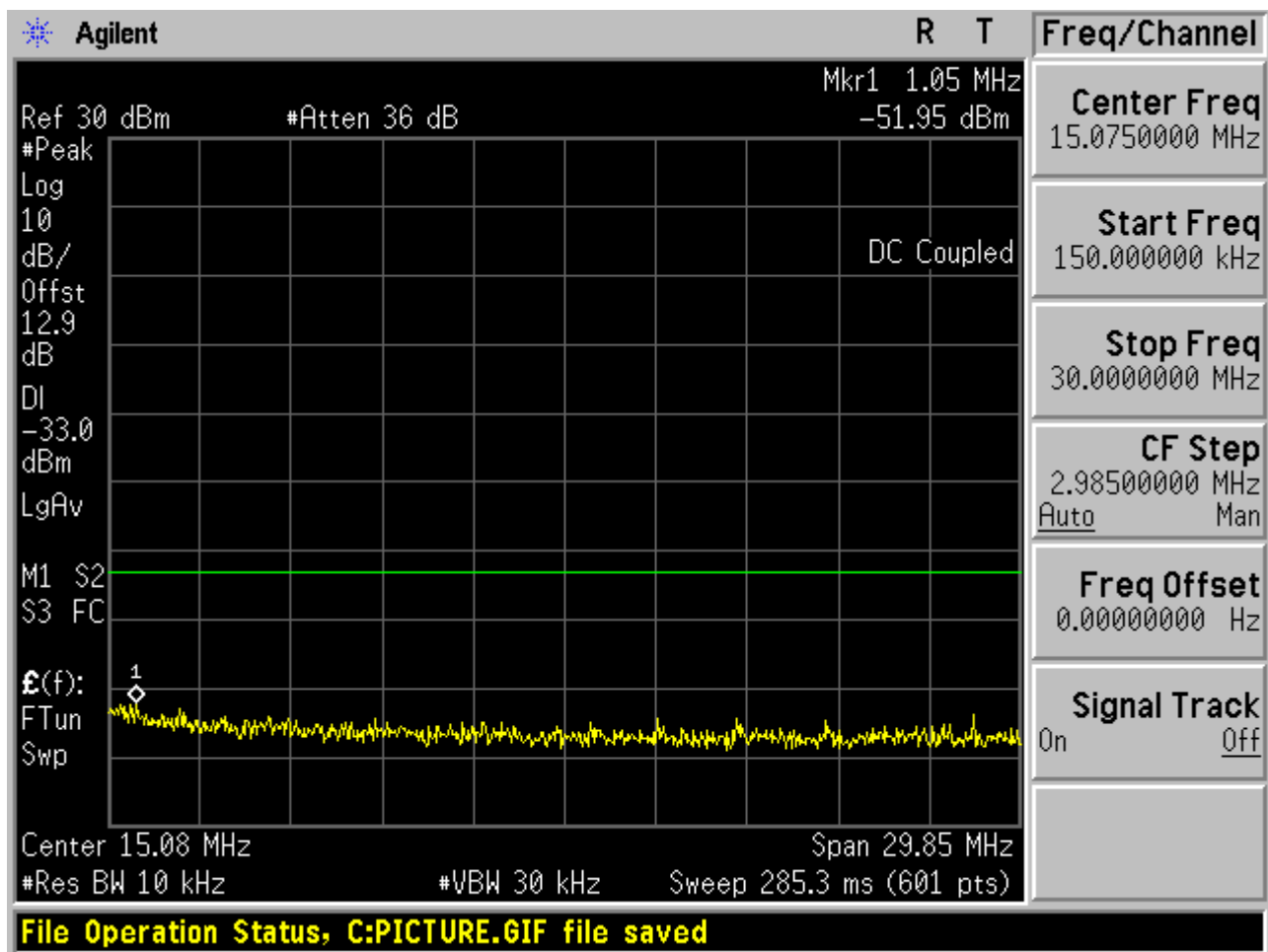
2.2 Test Mode=TM5

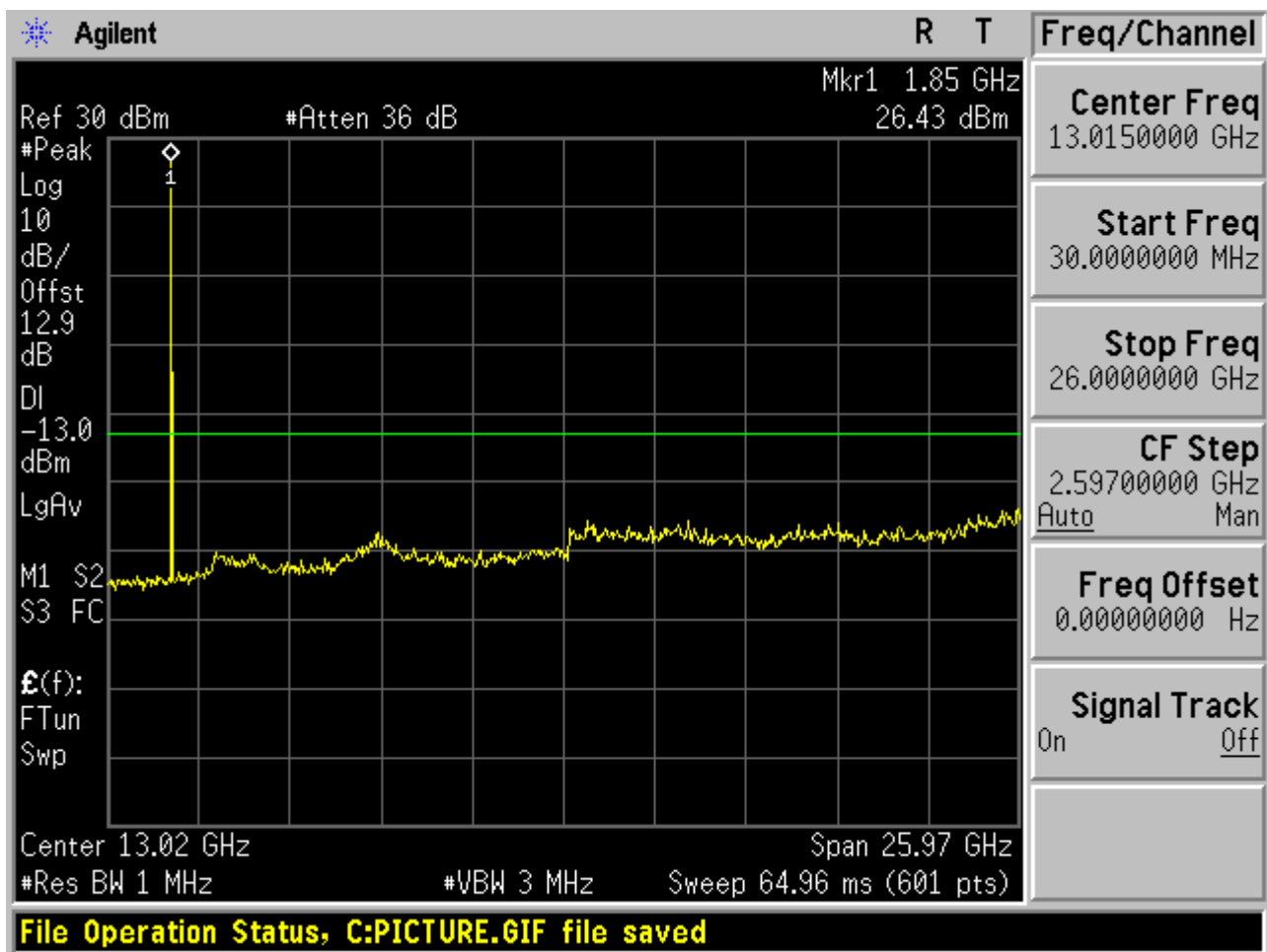
2.2.1 Channel Bandwidth = 1.4 MHz

2.2.1.1 Channel = L

2.2.1.1.1 16QAM/1RBs /RB #0



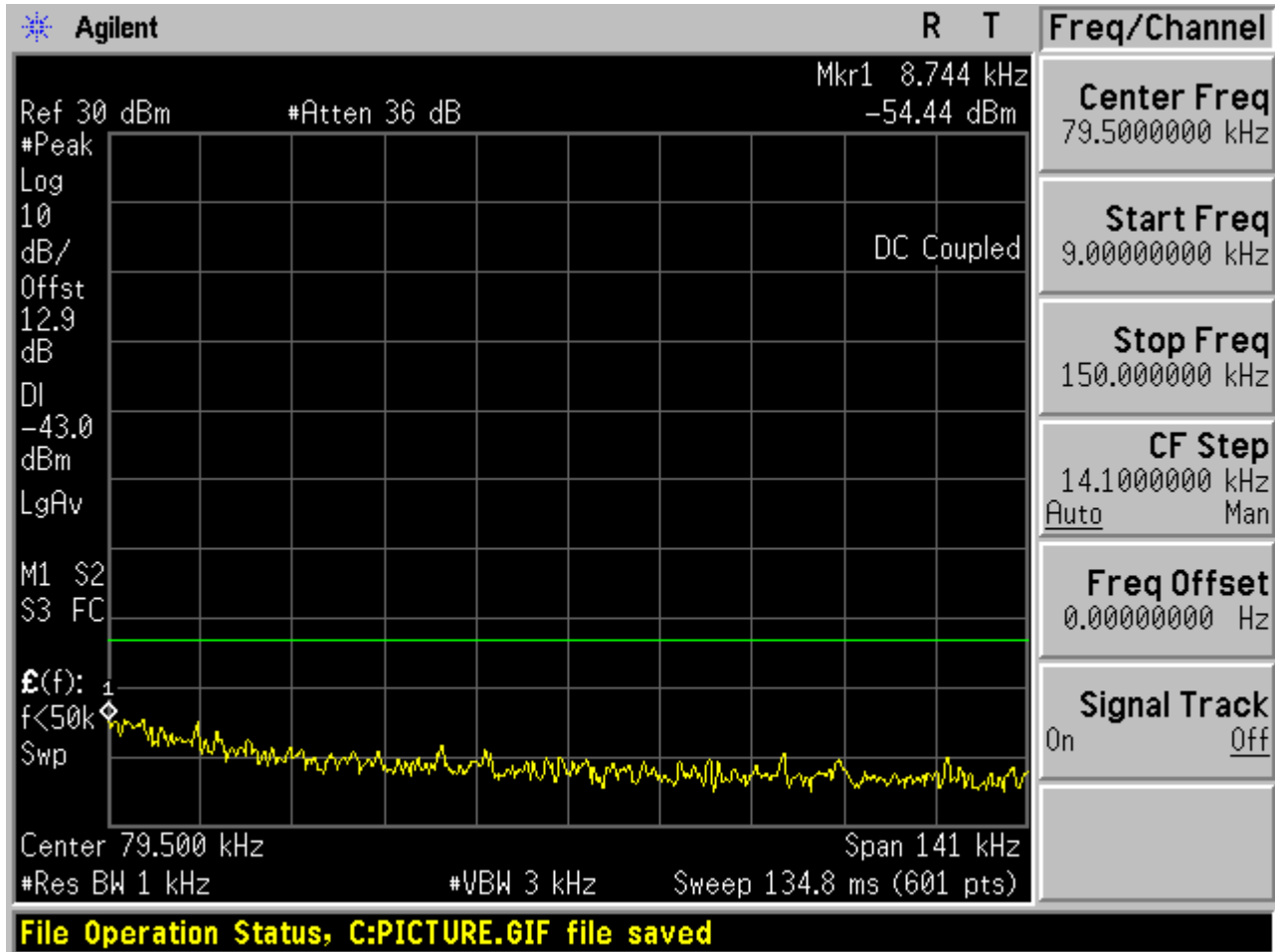


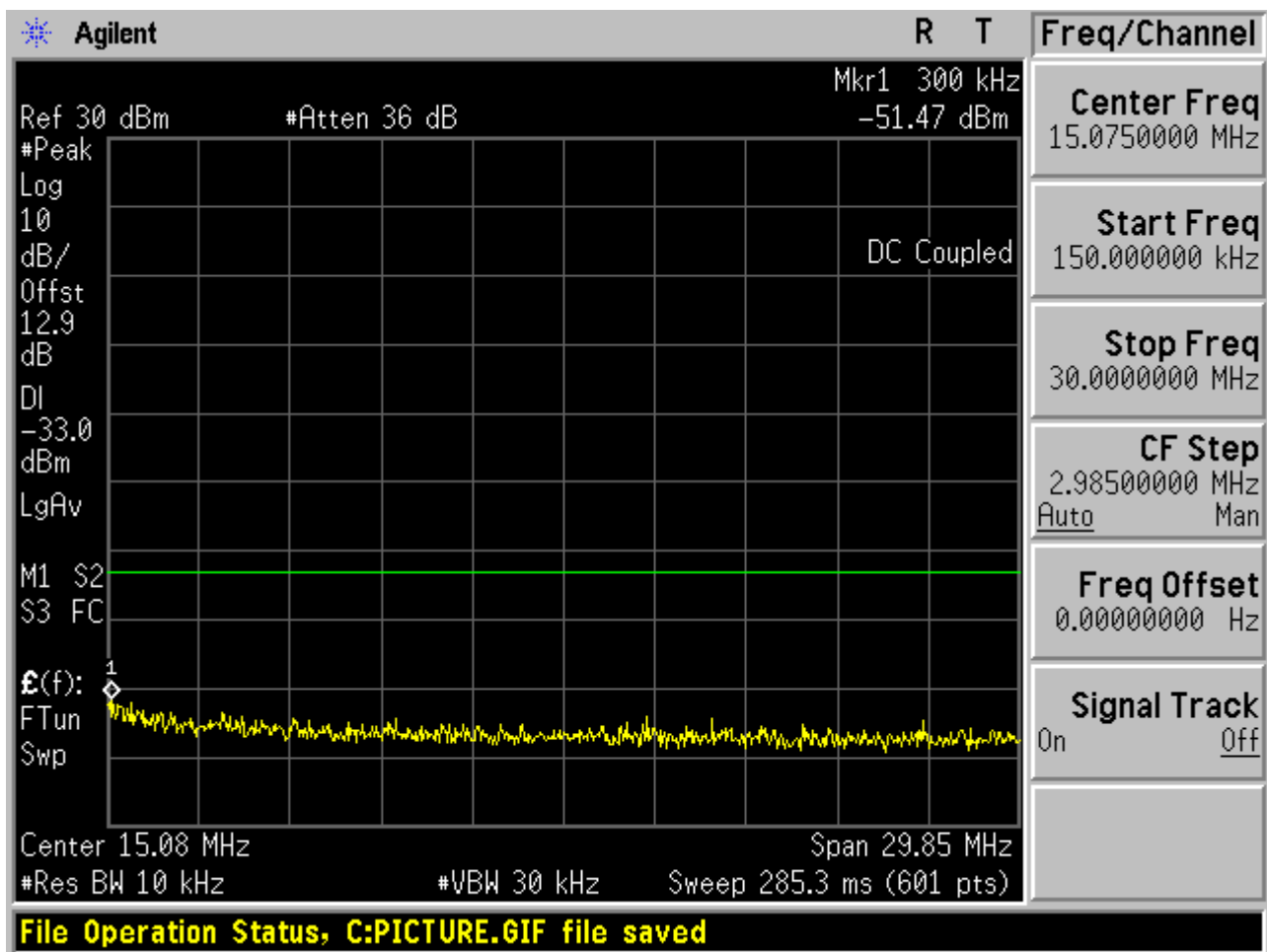


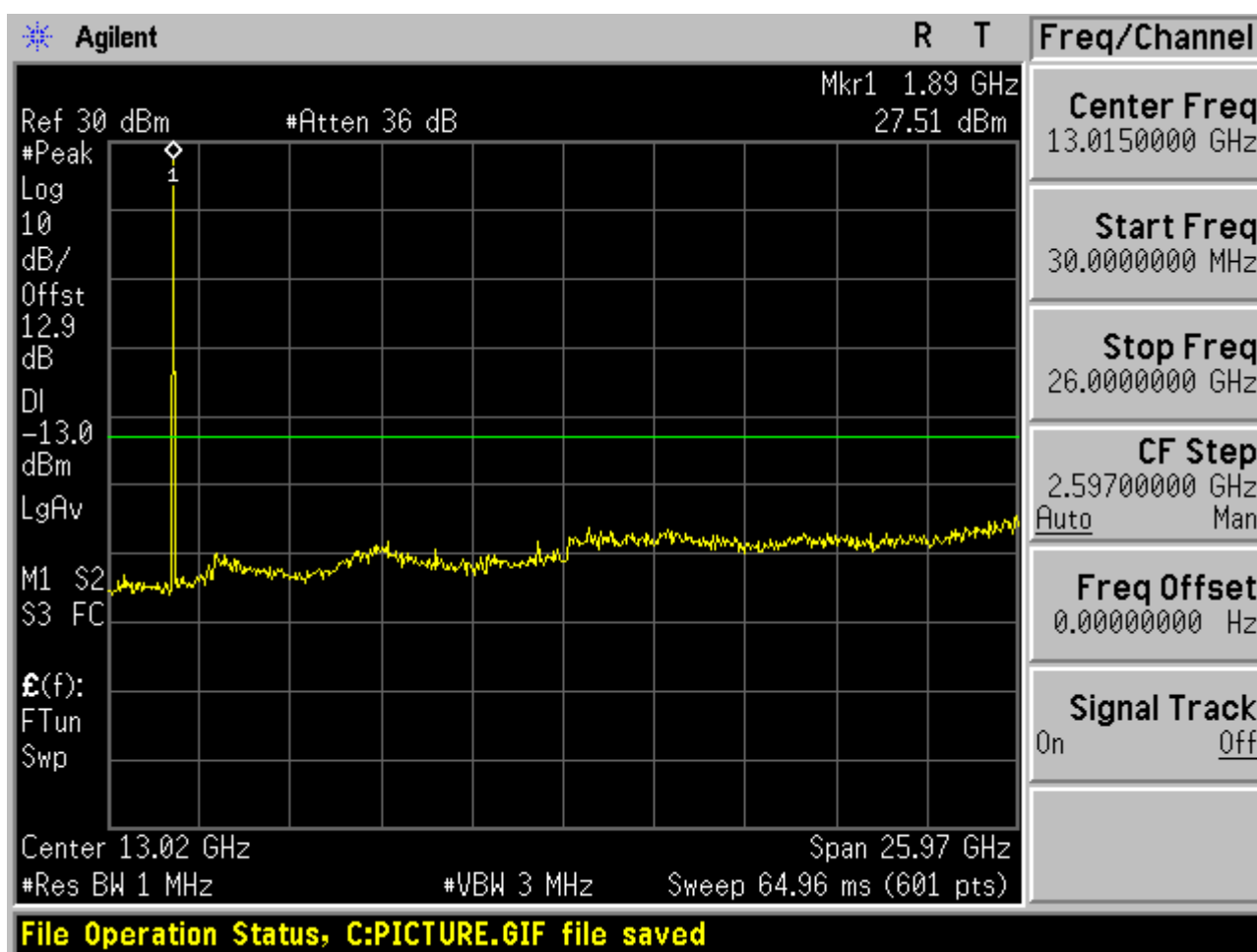


2.2.1.2 Channel = M

2.2.1.2.1 16QAM/1RBs /RB #0



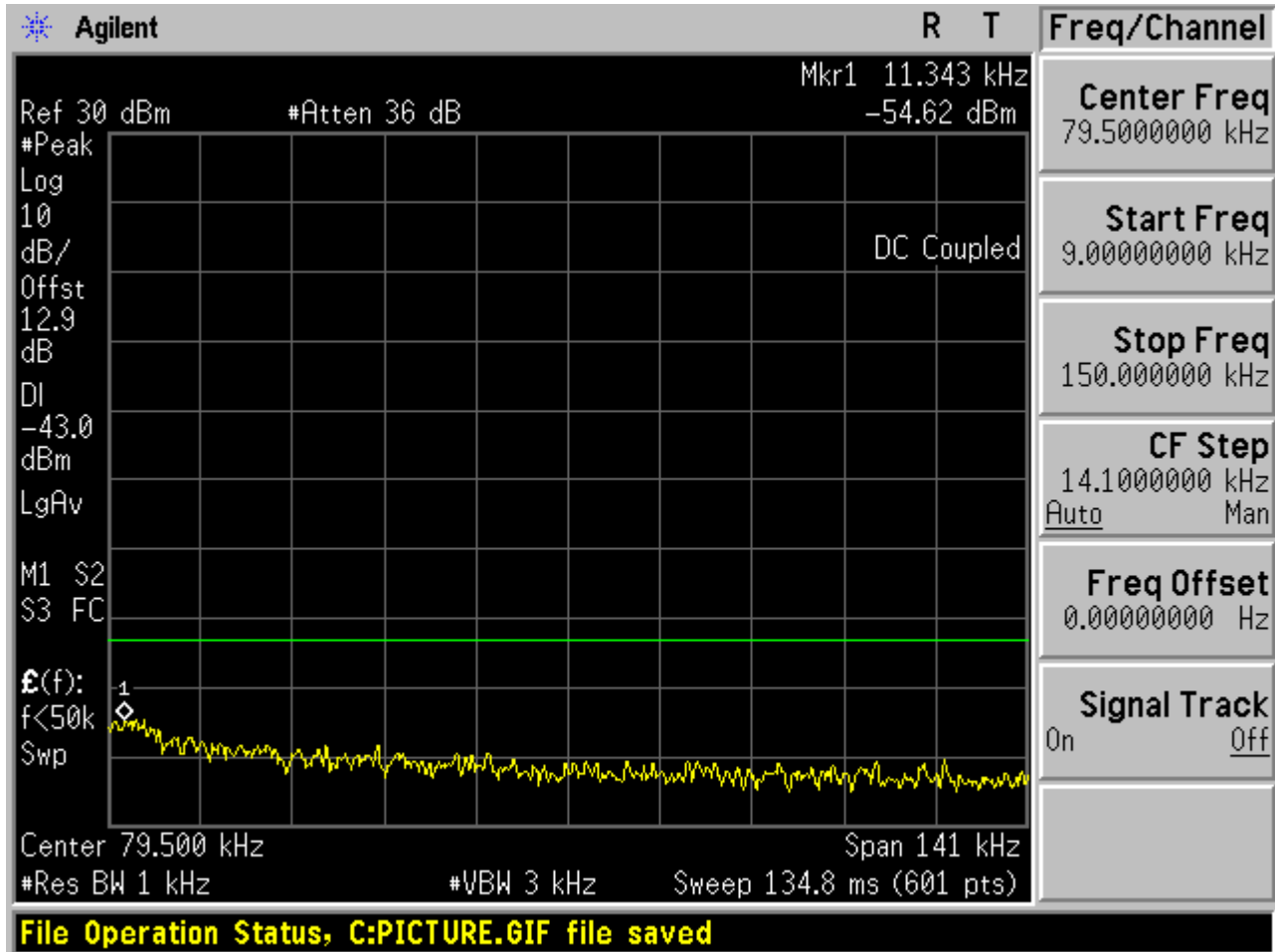


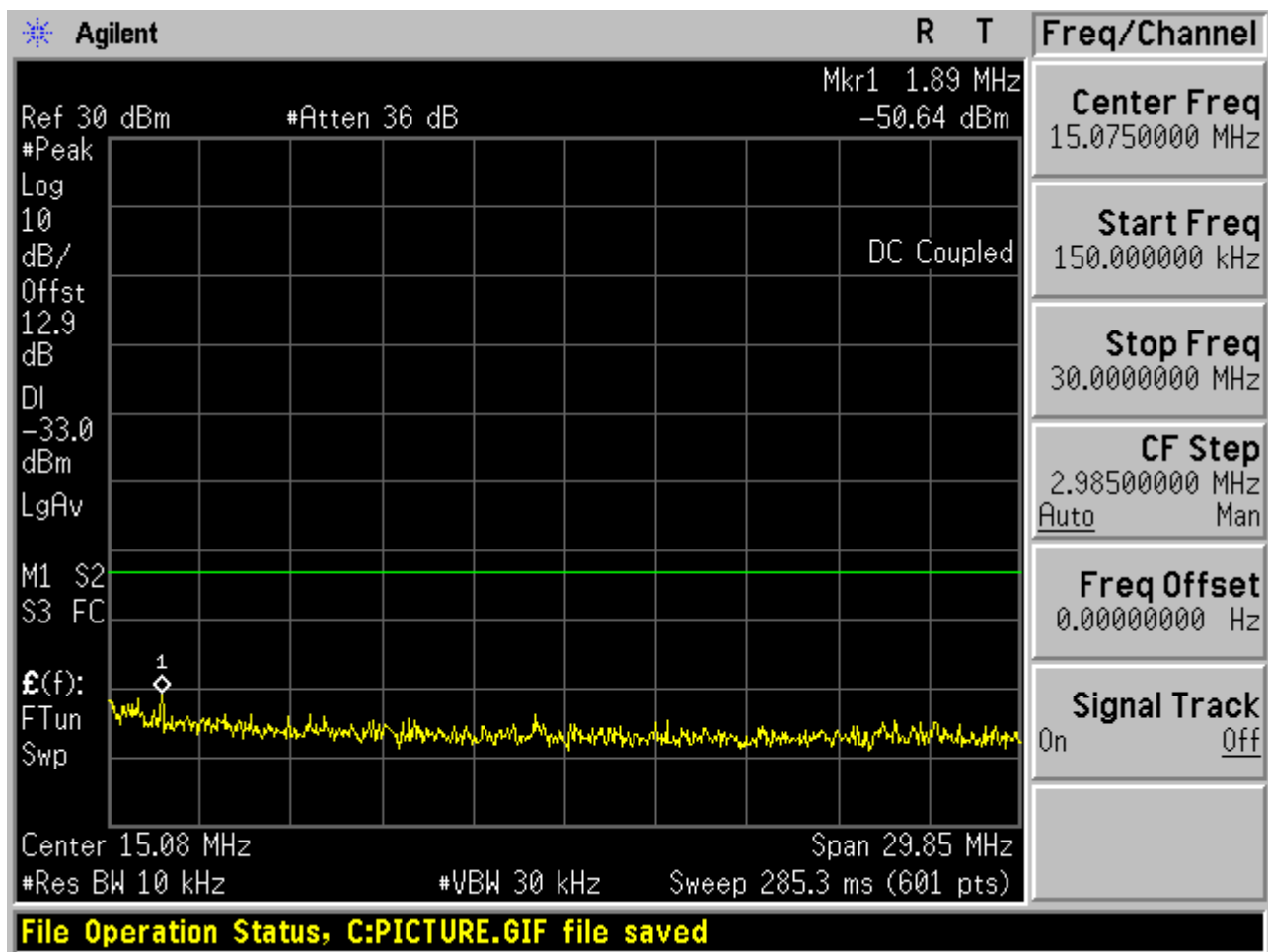


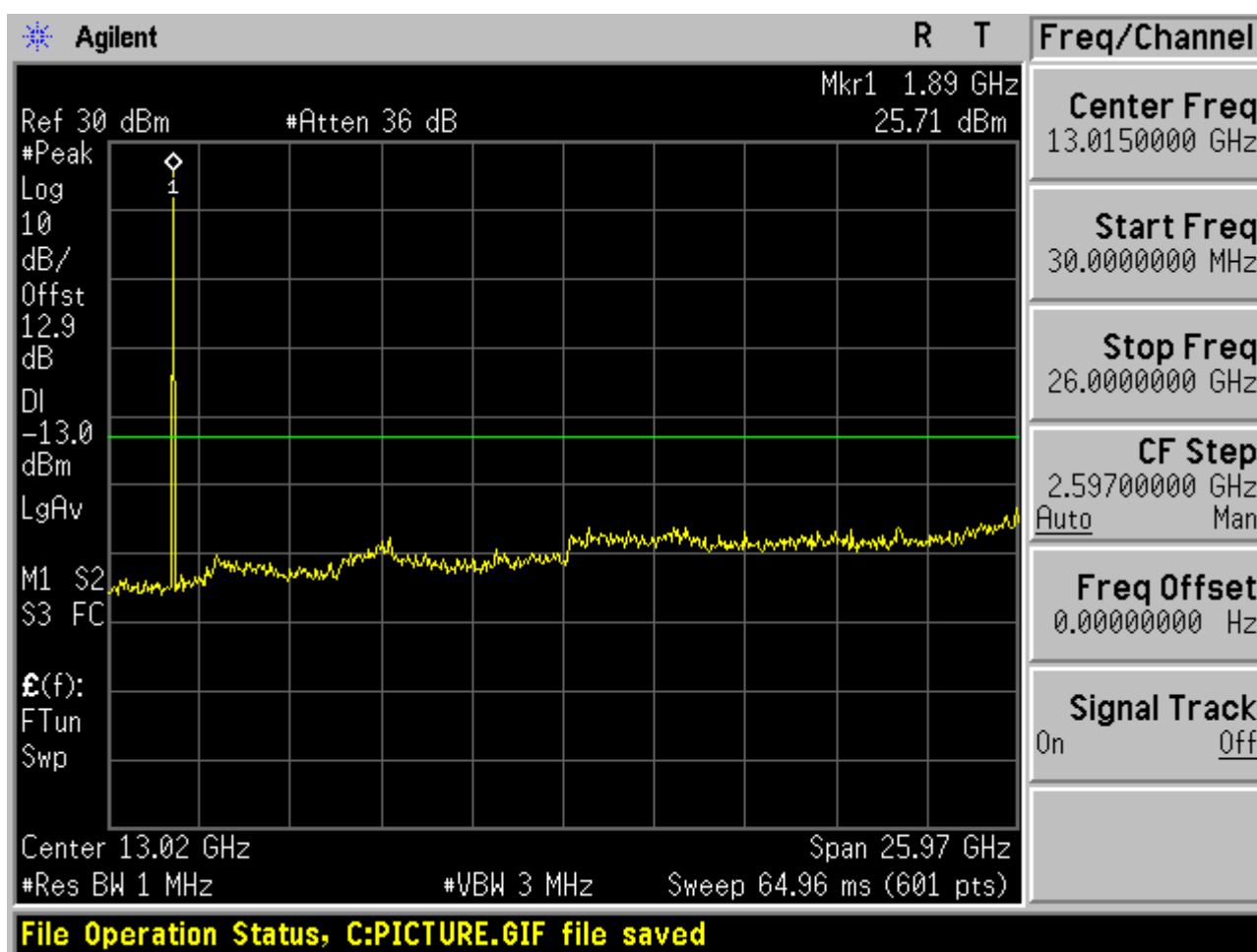


2.2.1.3 Channel = H

2.2.1.3.1 16QAM/1RBs /RB #0





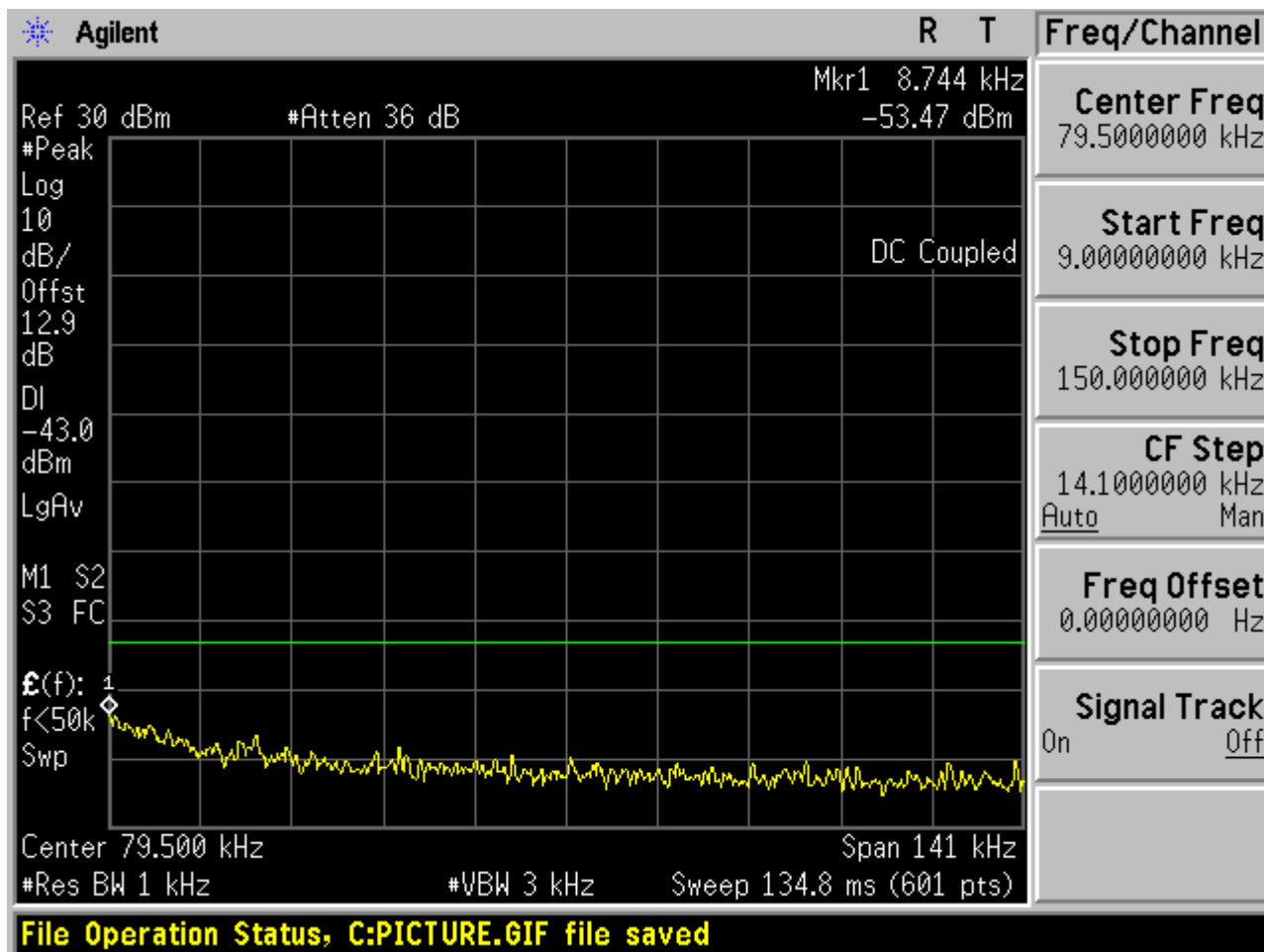


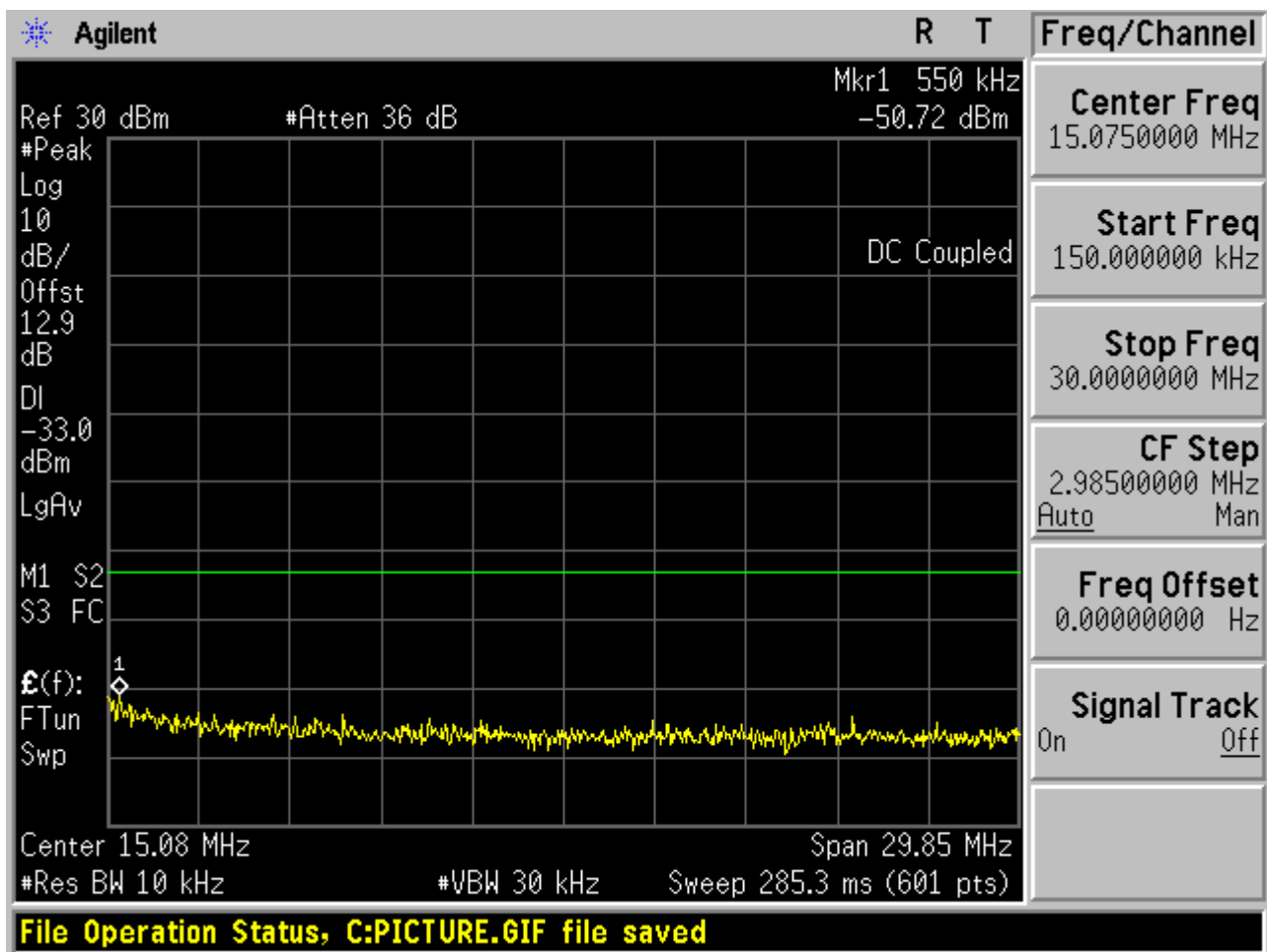


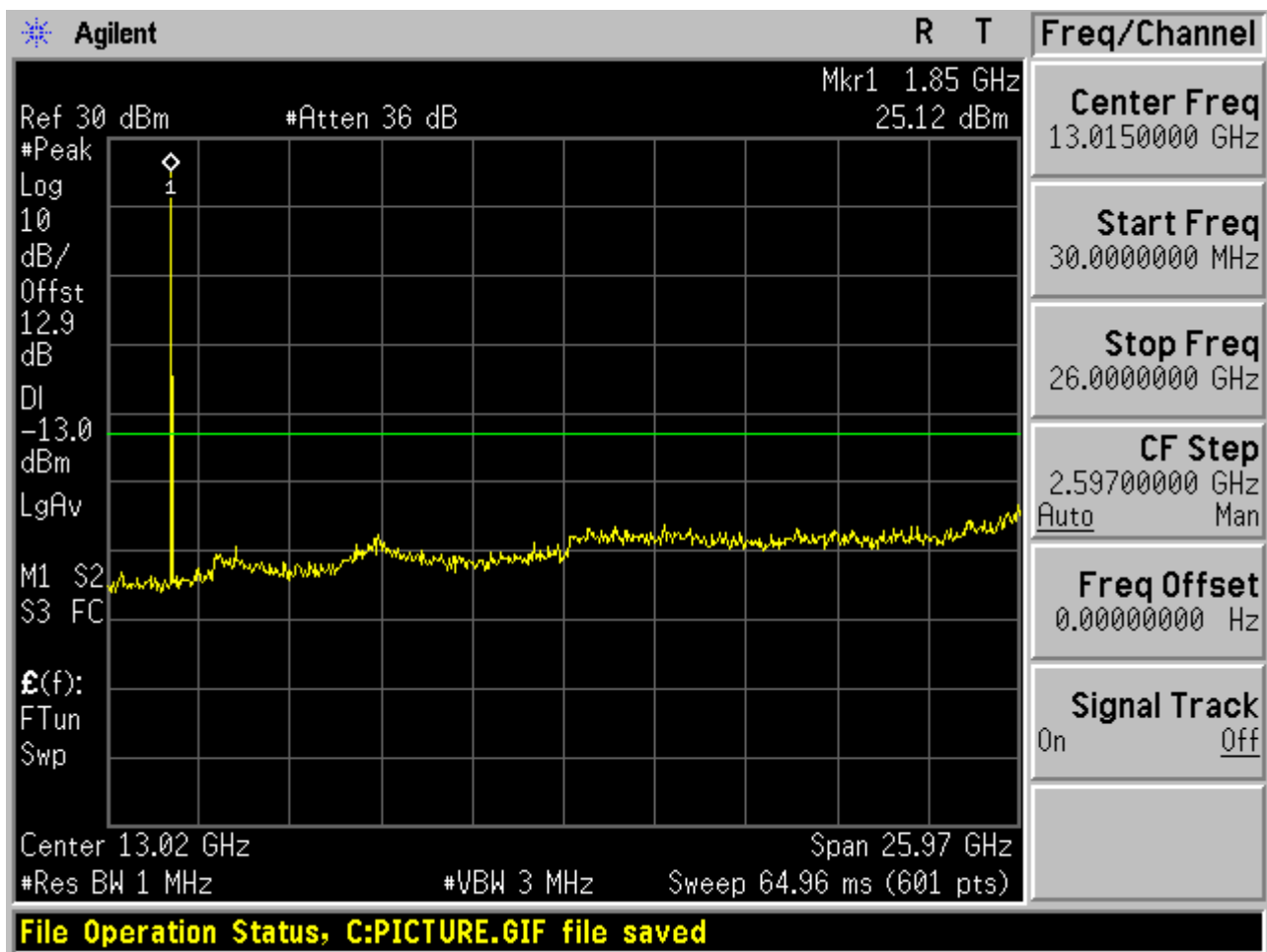
2.2.2 Channel Bandwidth = 3 MHz

2.2.2.1 Channel = L

2.2.2.1.1 16QAM/1RBs /RB #0



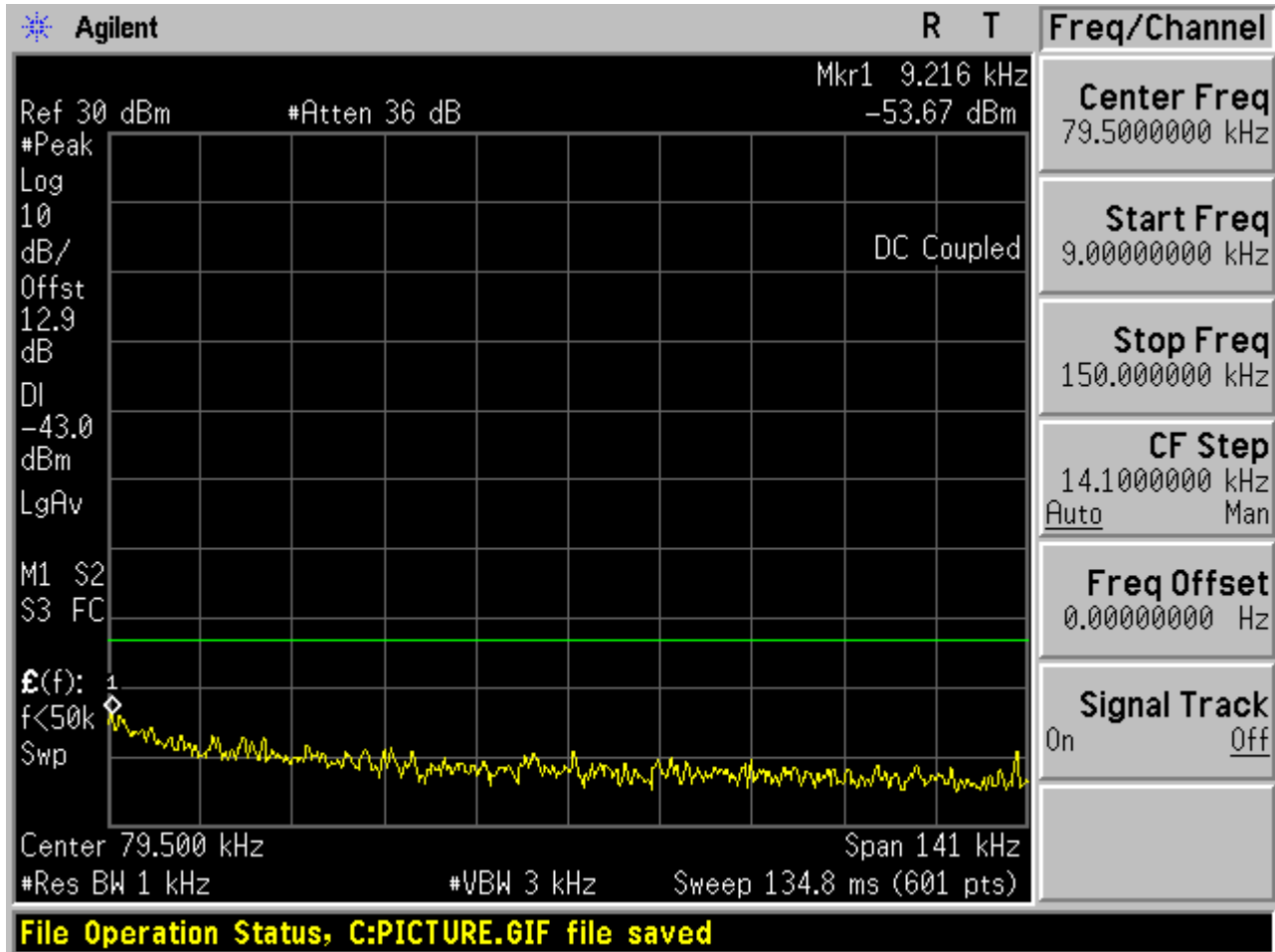


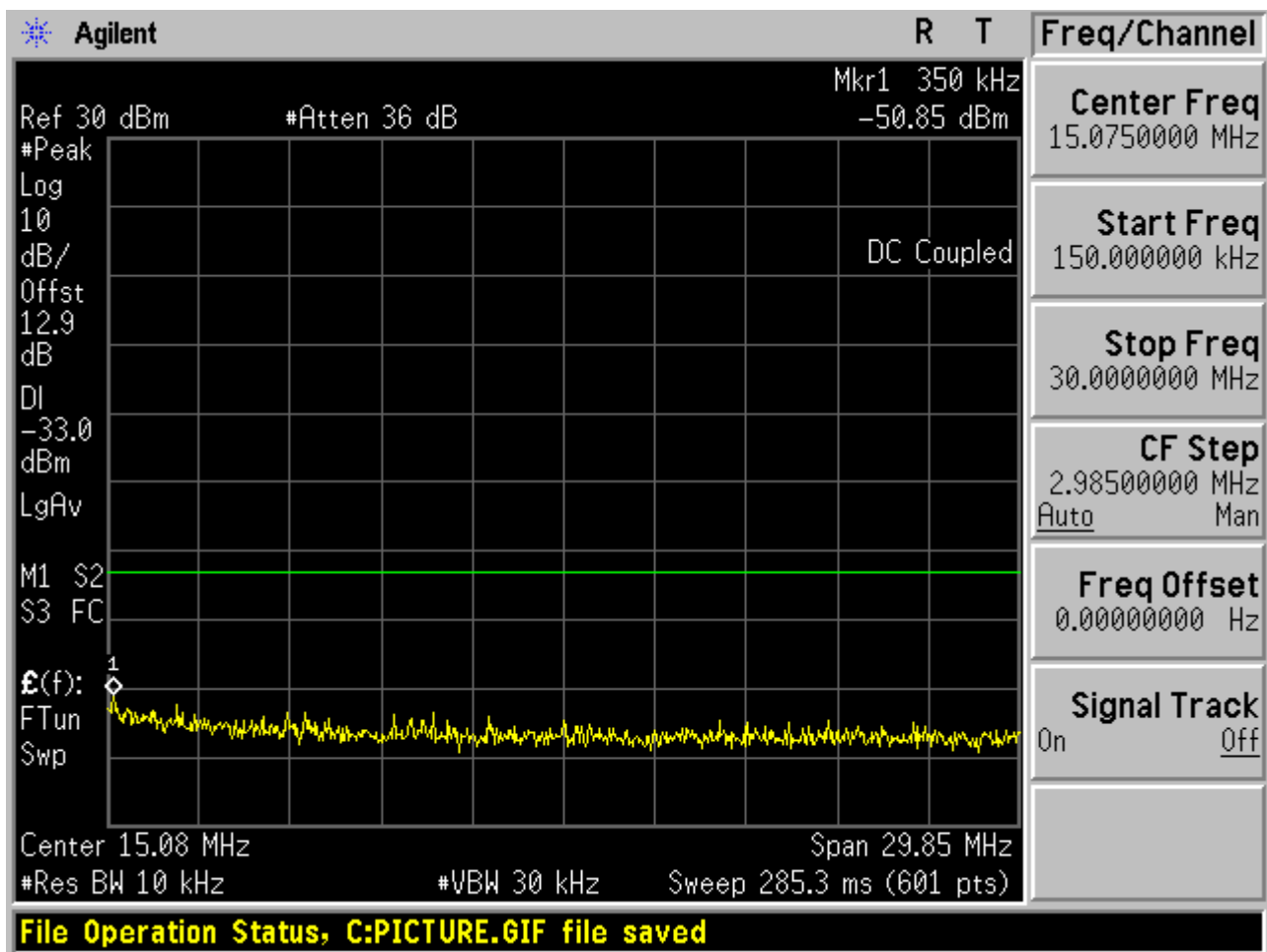


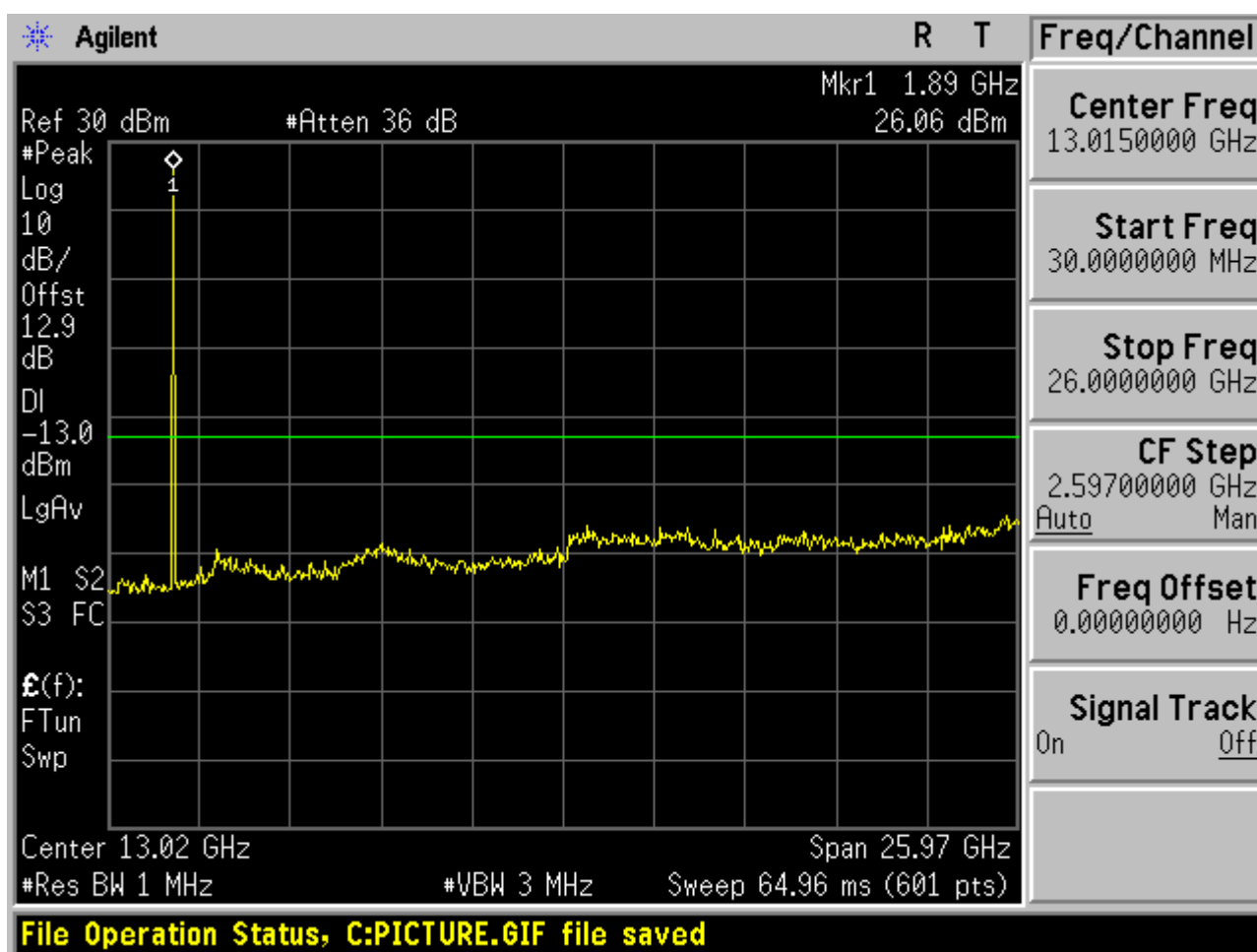


2.2.2.2 Channel = M

2.2.2.2.1 16QAM/1RBs /RB #0



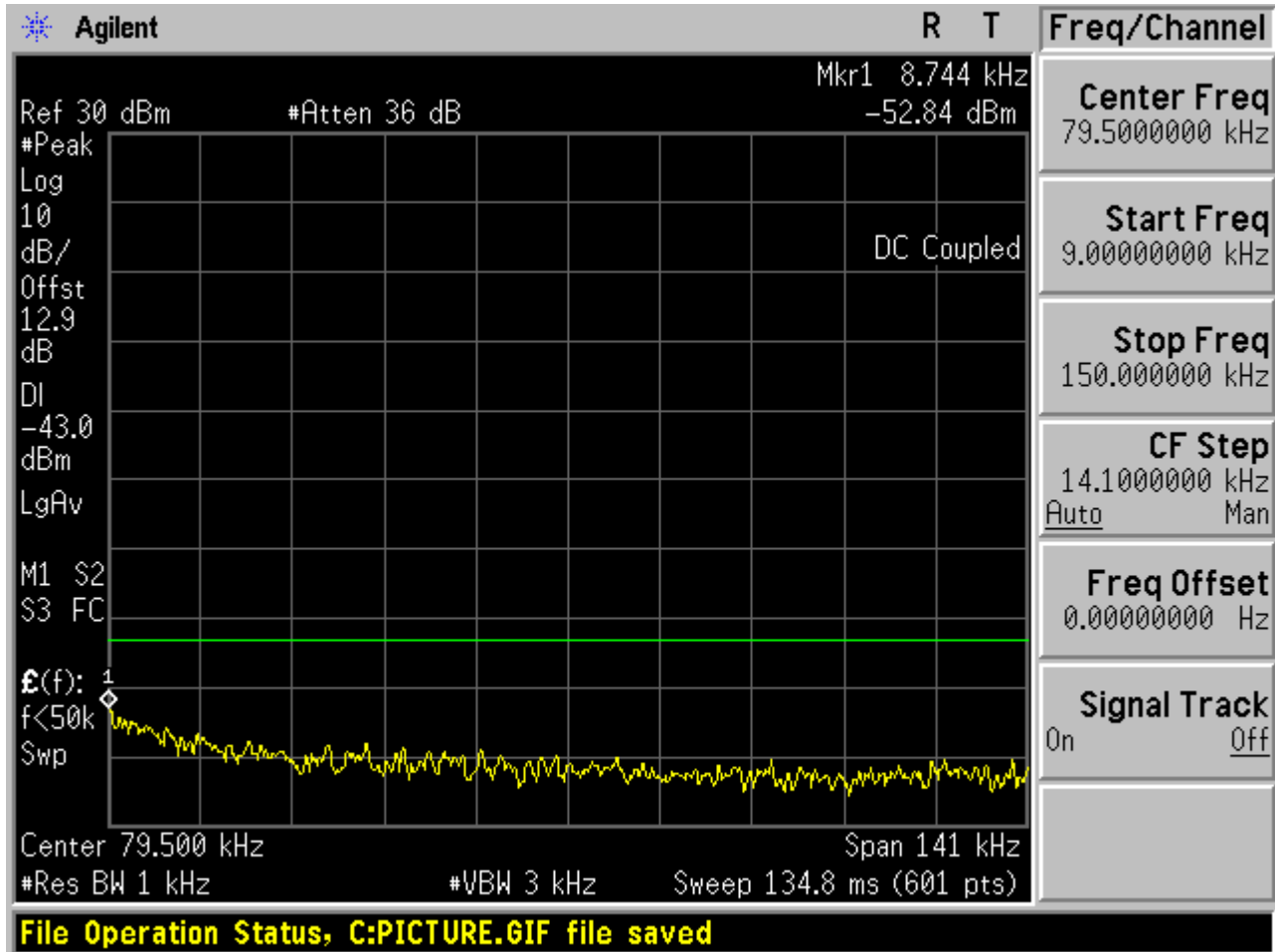


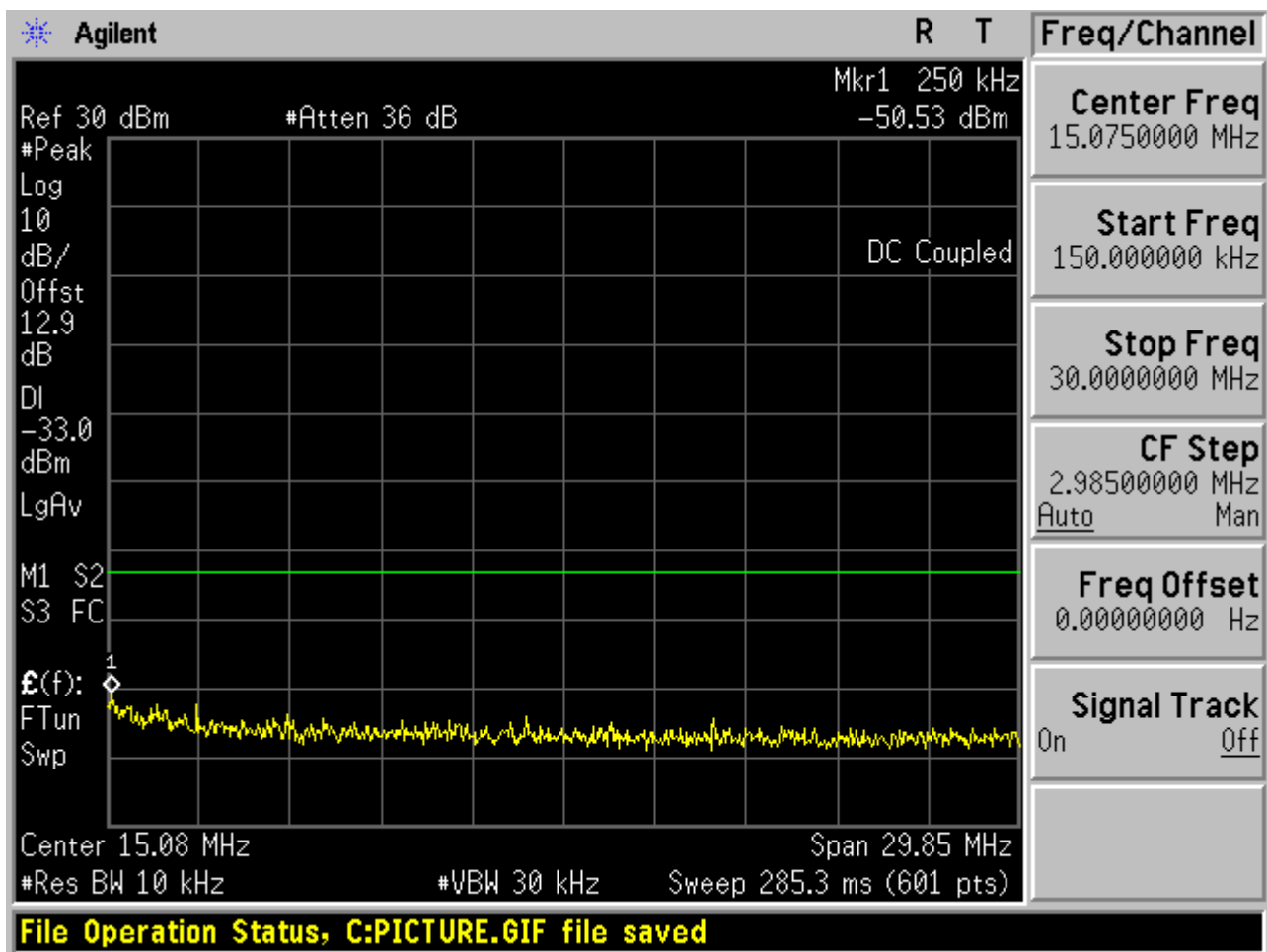


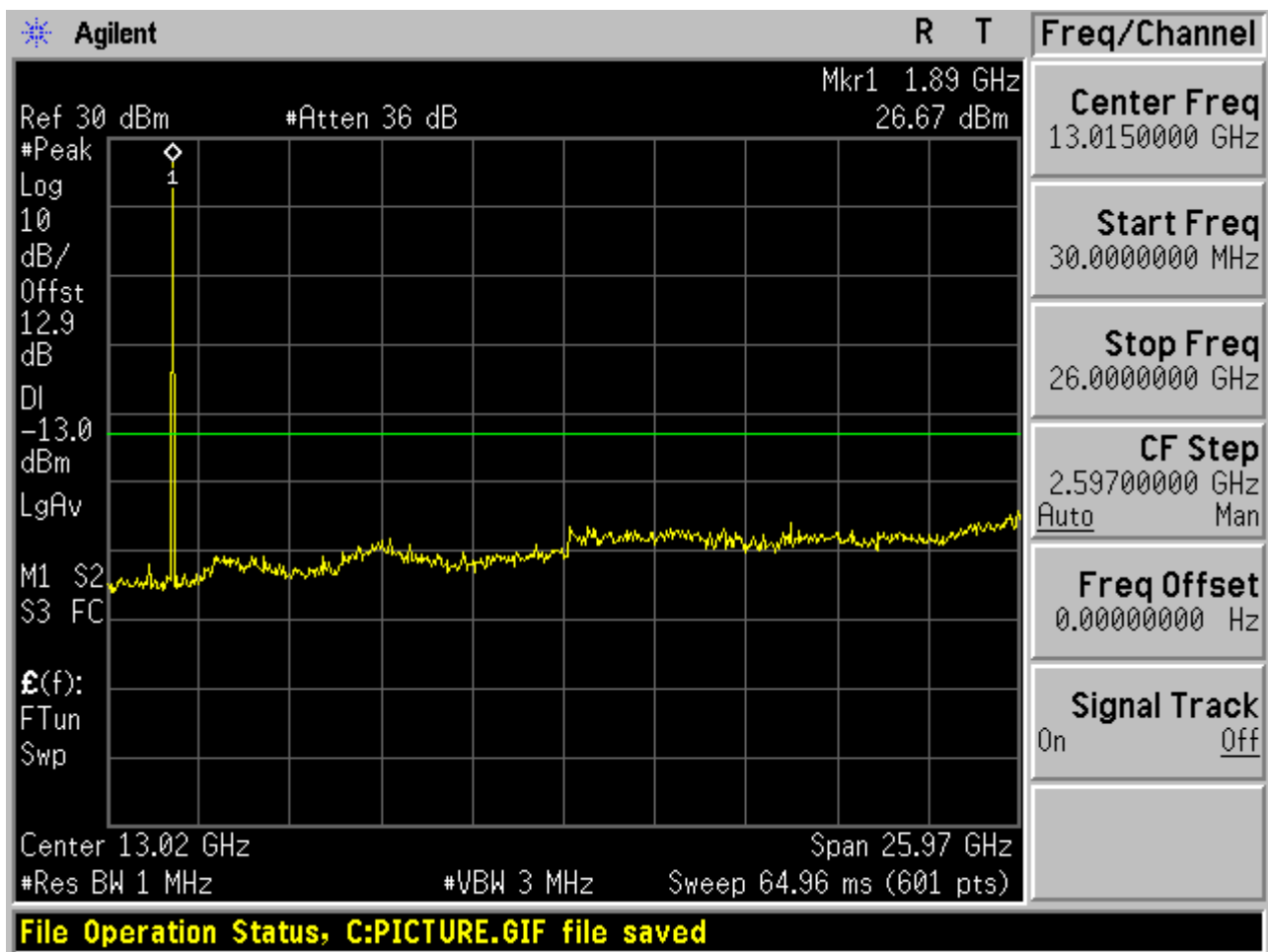


2.2.2.3 Channel = H

2.2.2.3.1 16QAM/1RBs /RB #0





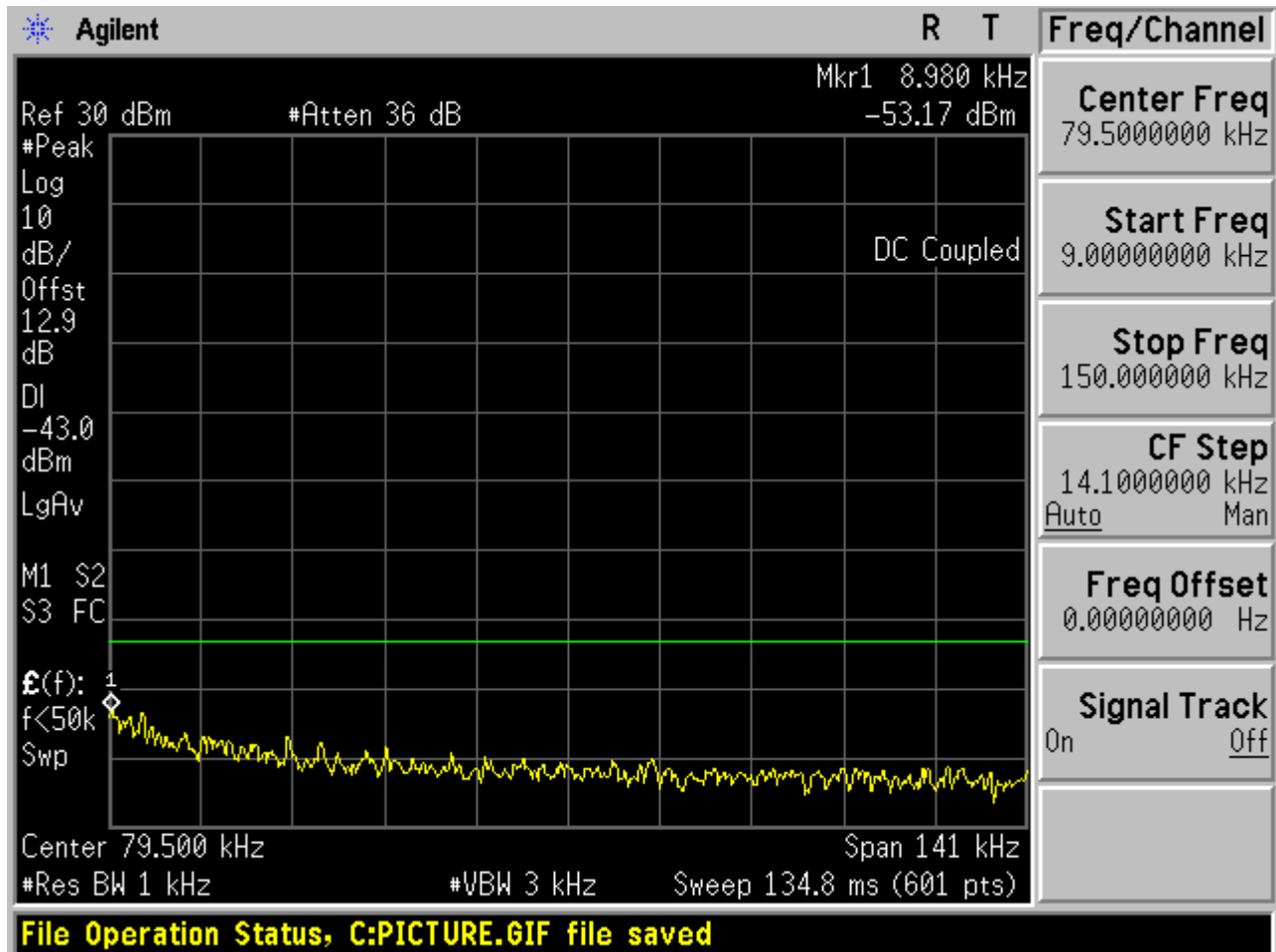


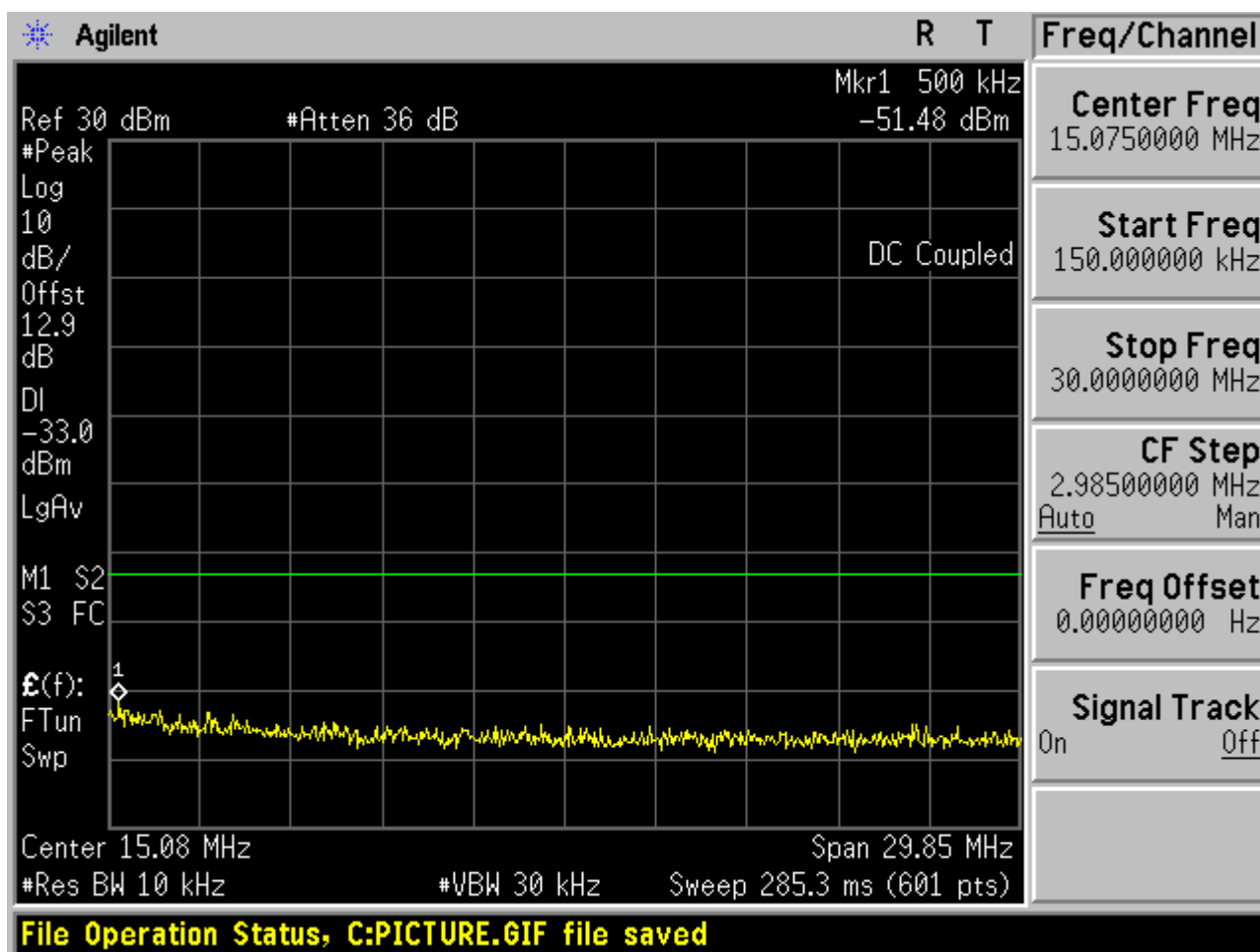


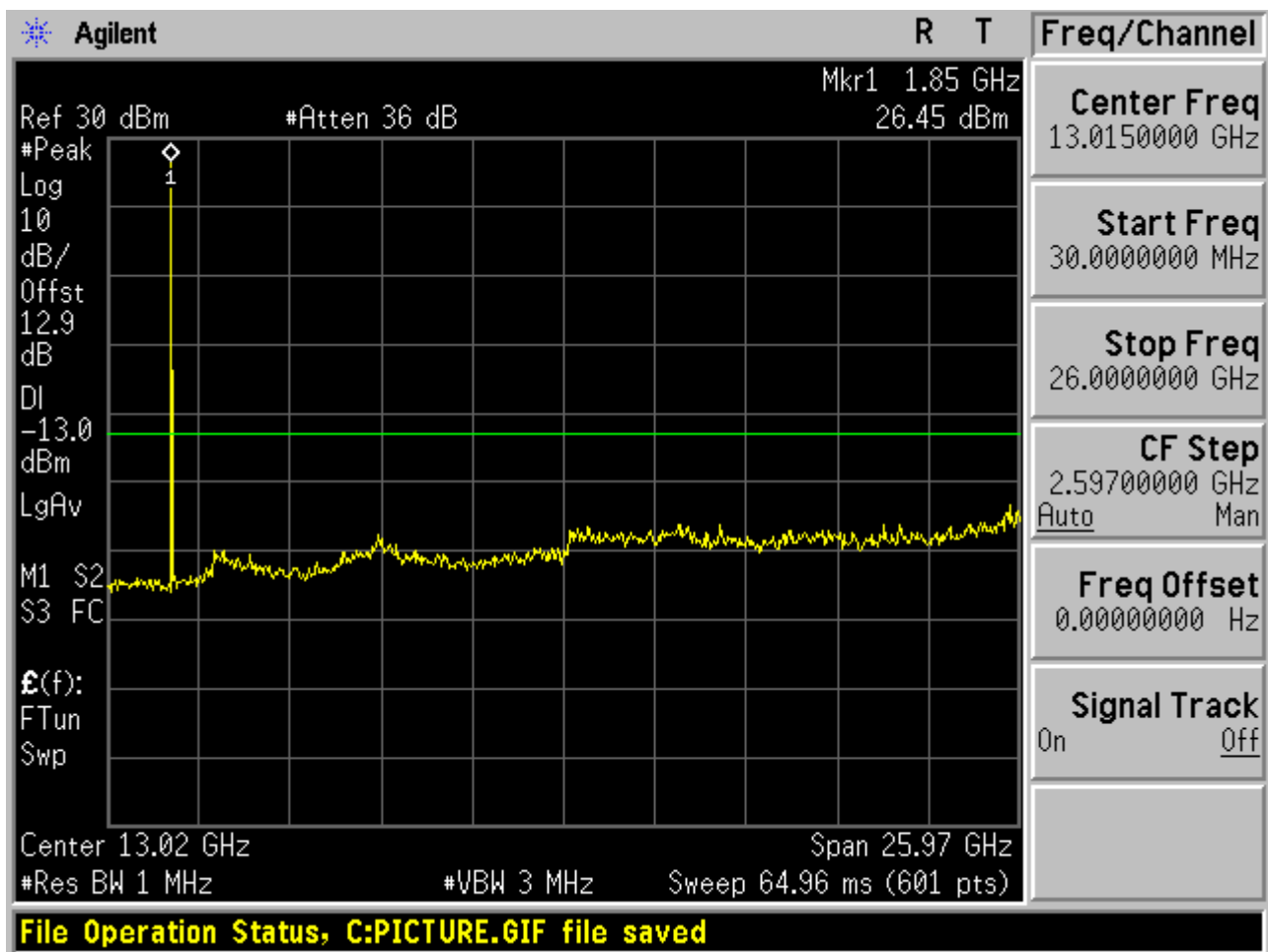
2.2.3 Channel Bandwidth = 5 MHz

2.2.3.1 Channel = L

2.2.3.1.1 16QAM/1RBs /RB #0



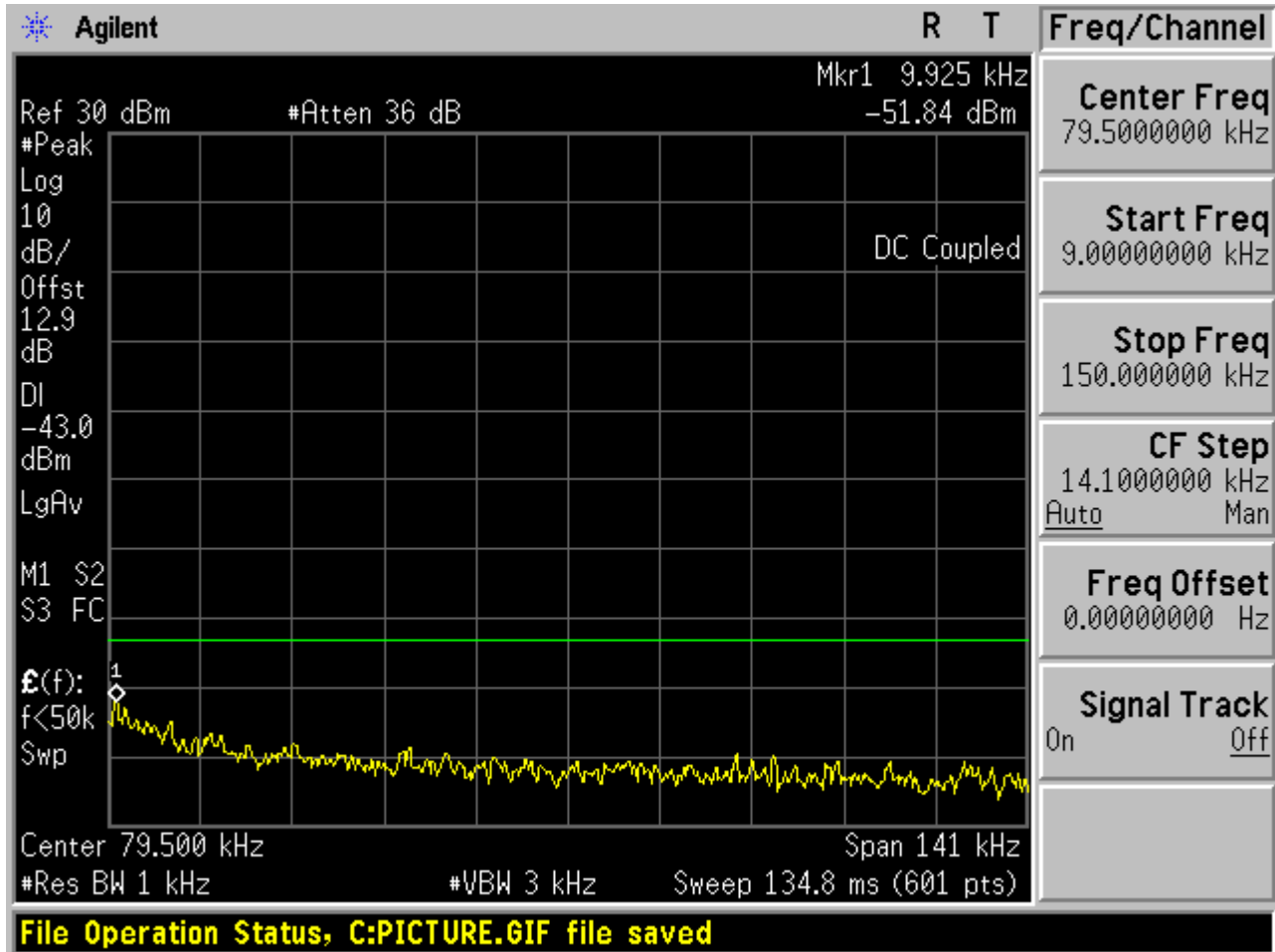


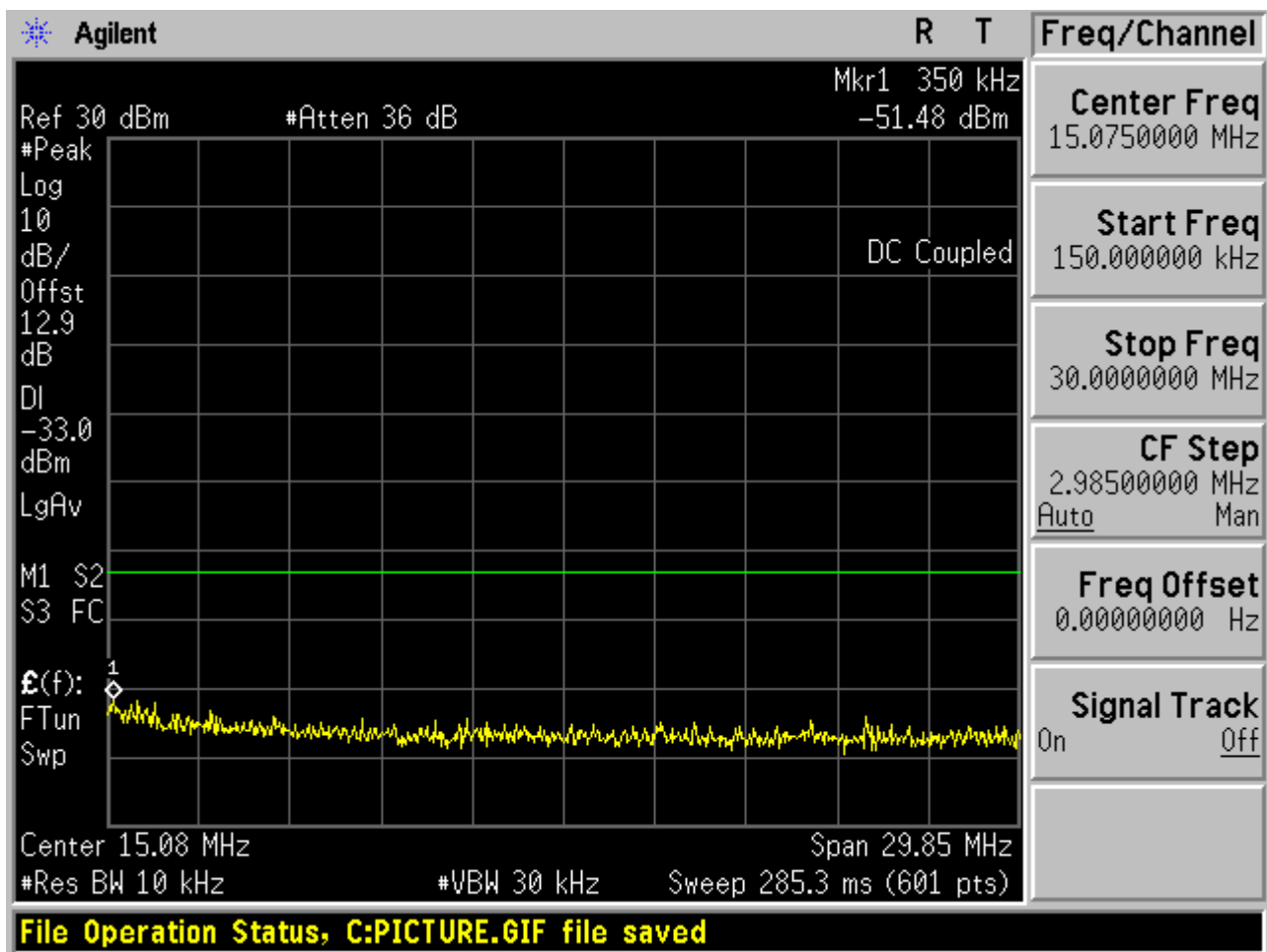


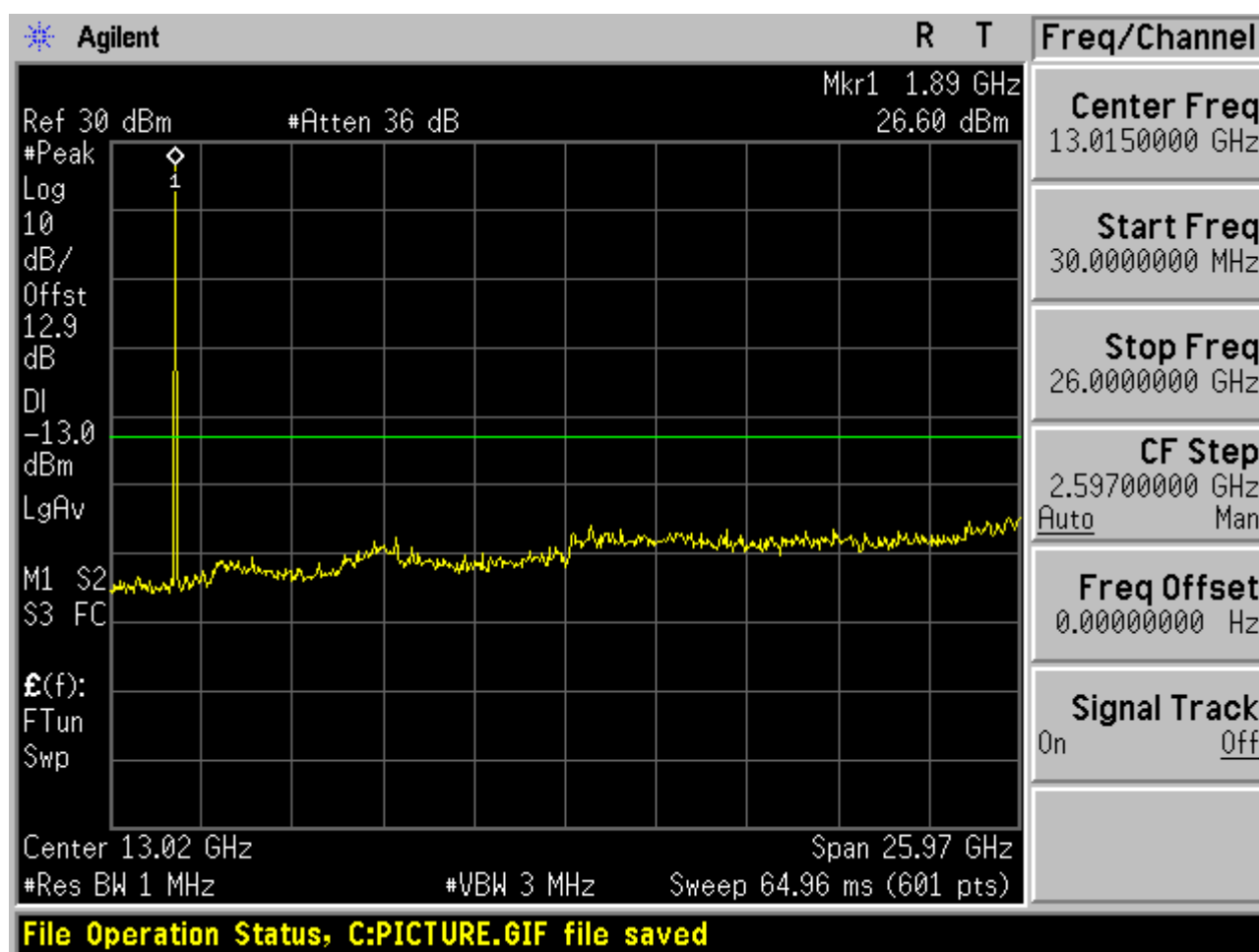


2.2.3.2 Channel = M

2.2.3.2.1 16QAM/1RBs /RB #0



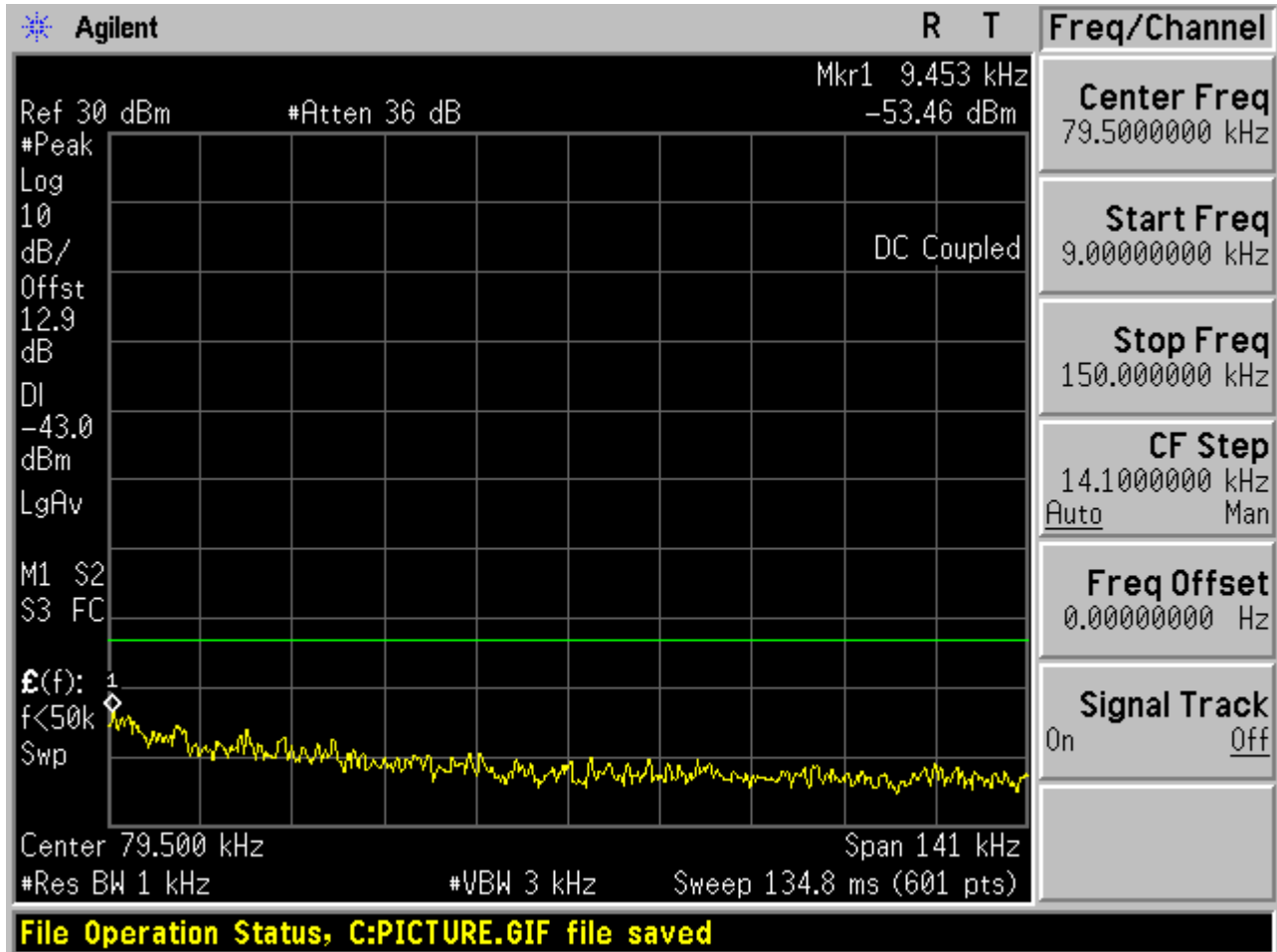


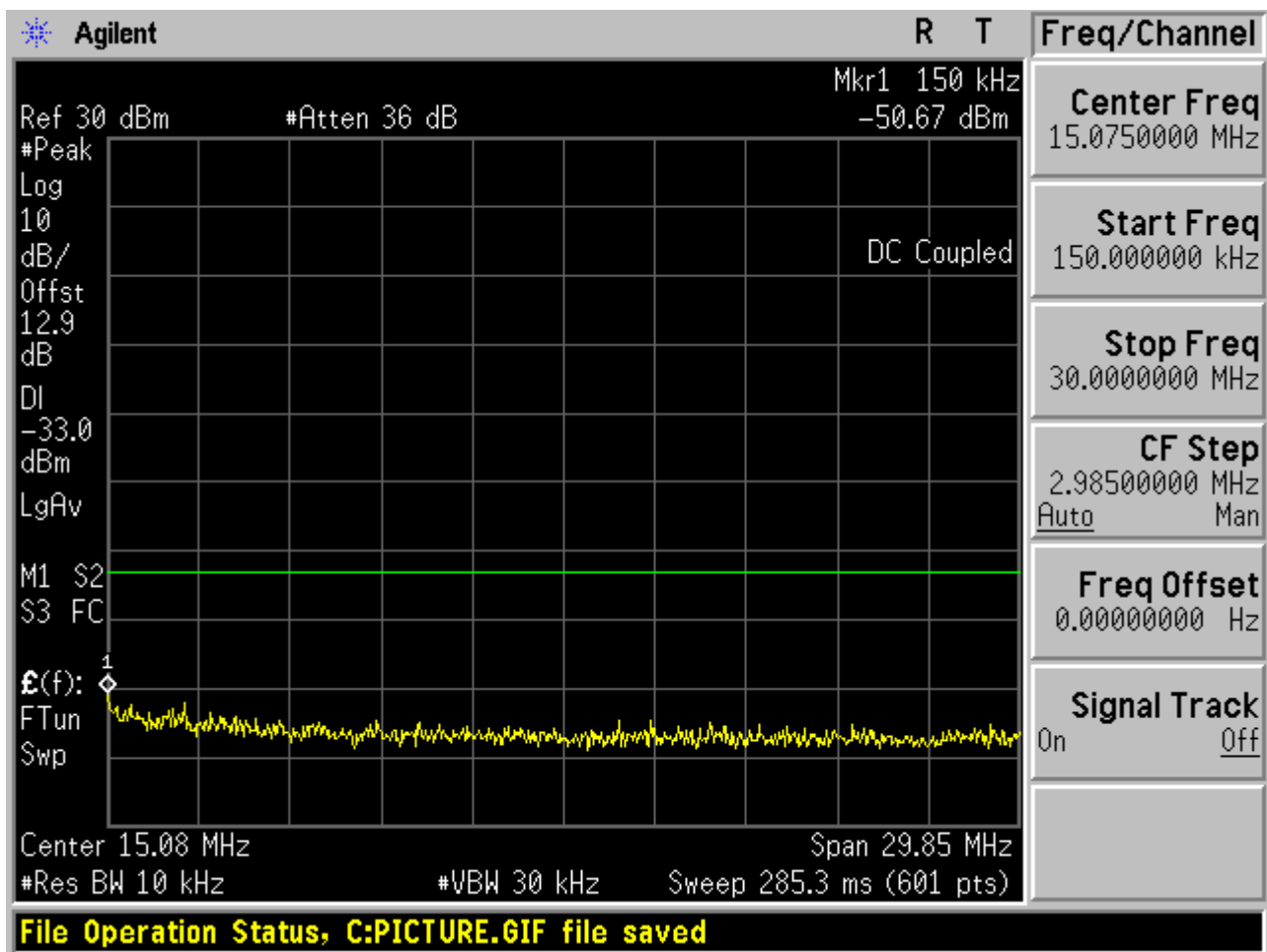


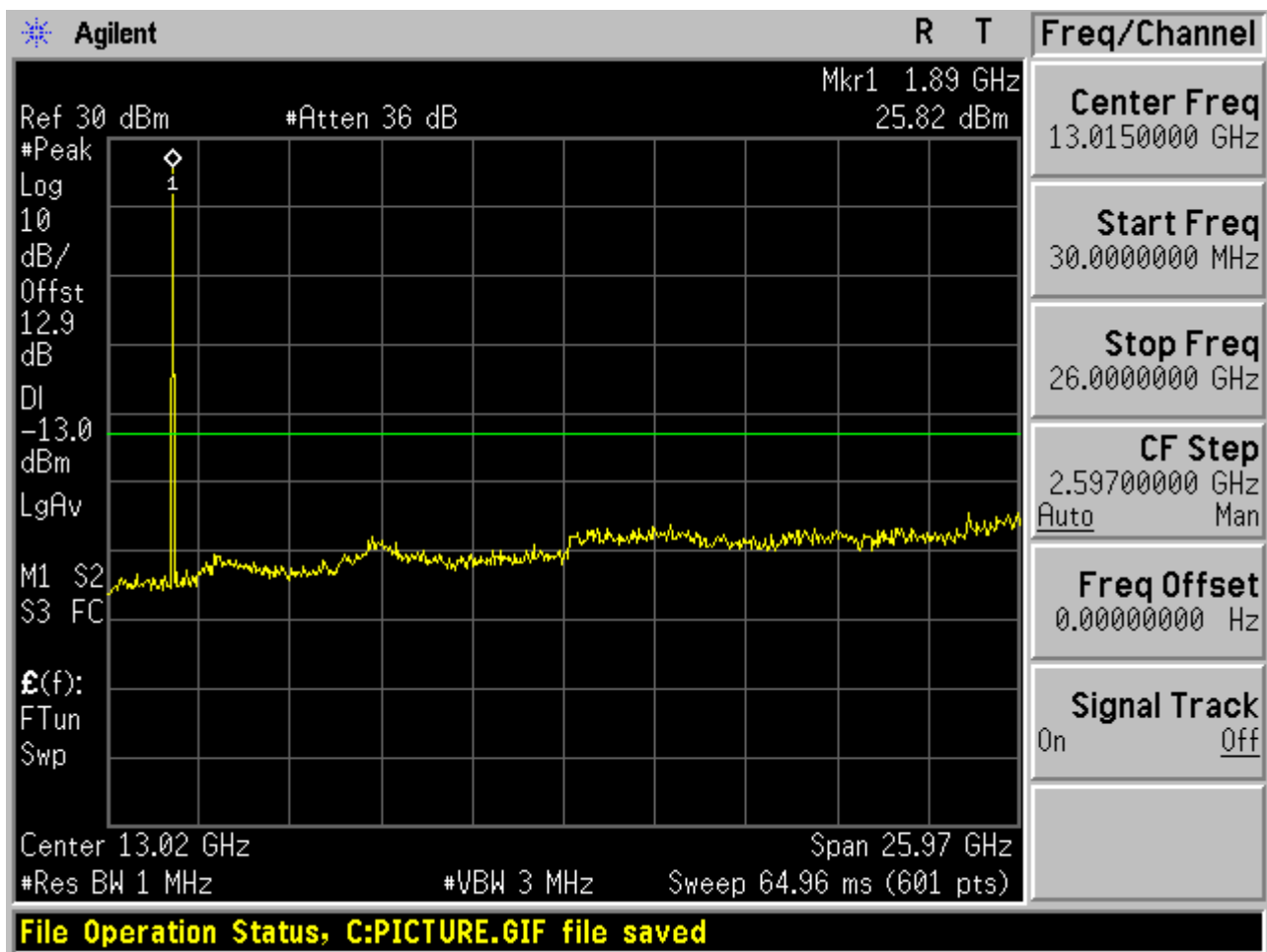


2.2.3.3 Channel = H

2.2.3.3.1 16QAM/1RBs /RB #0





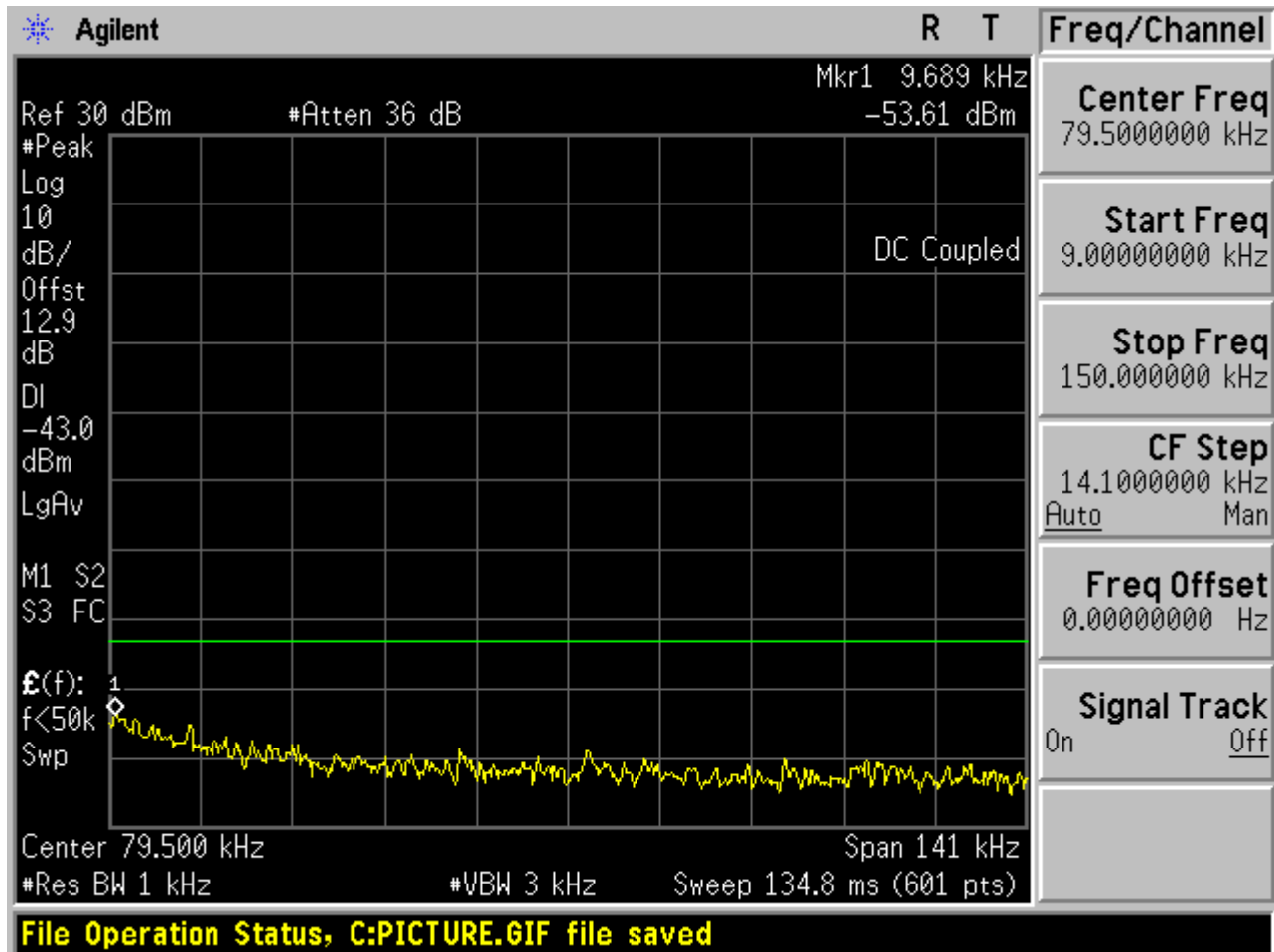


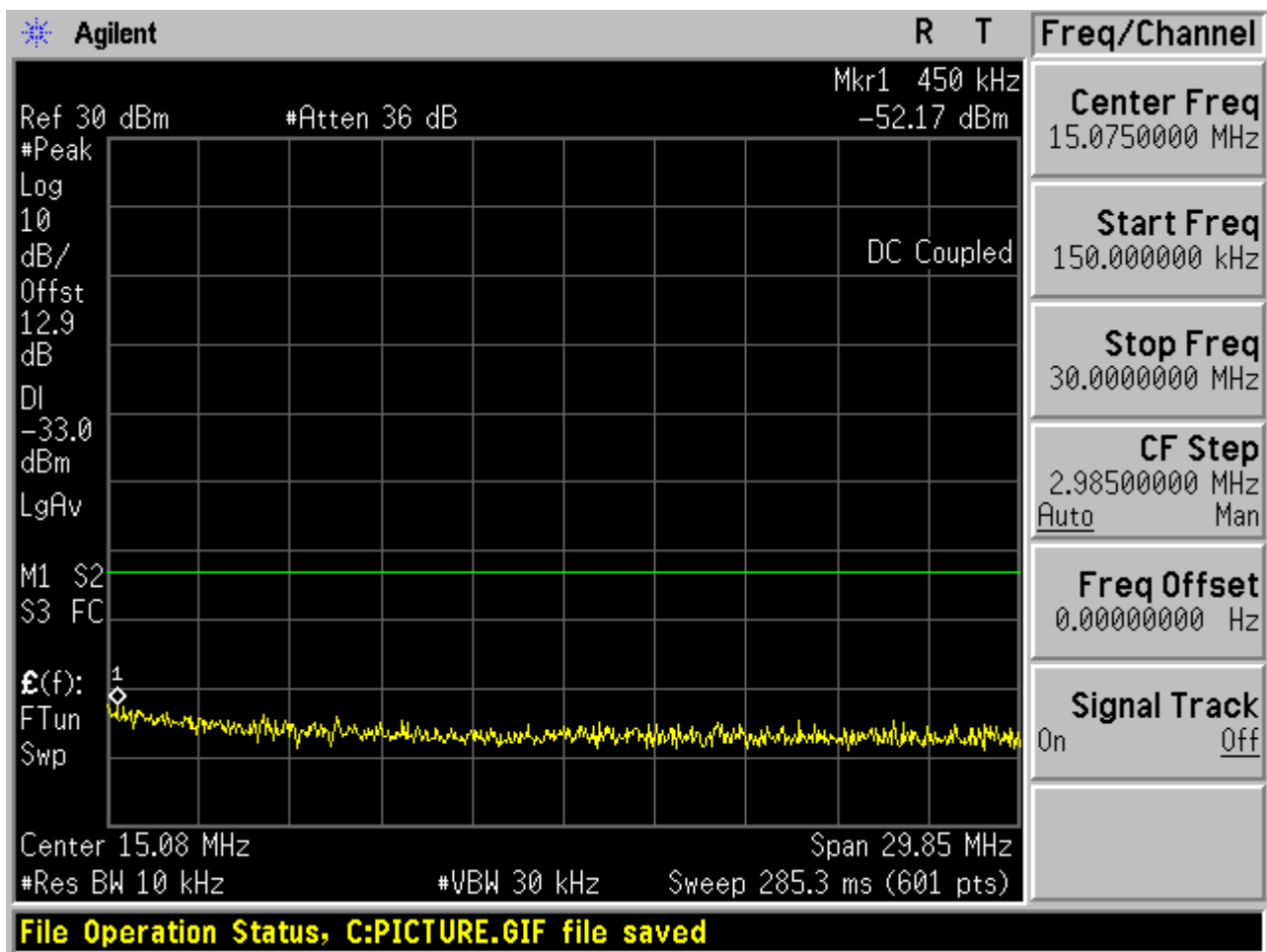


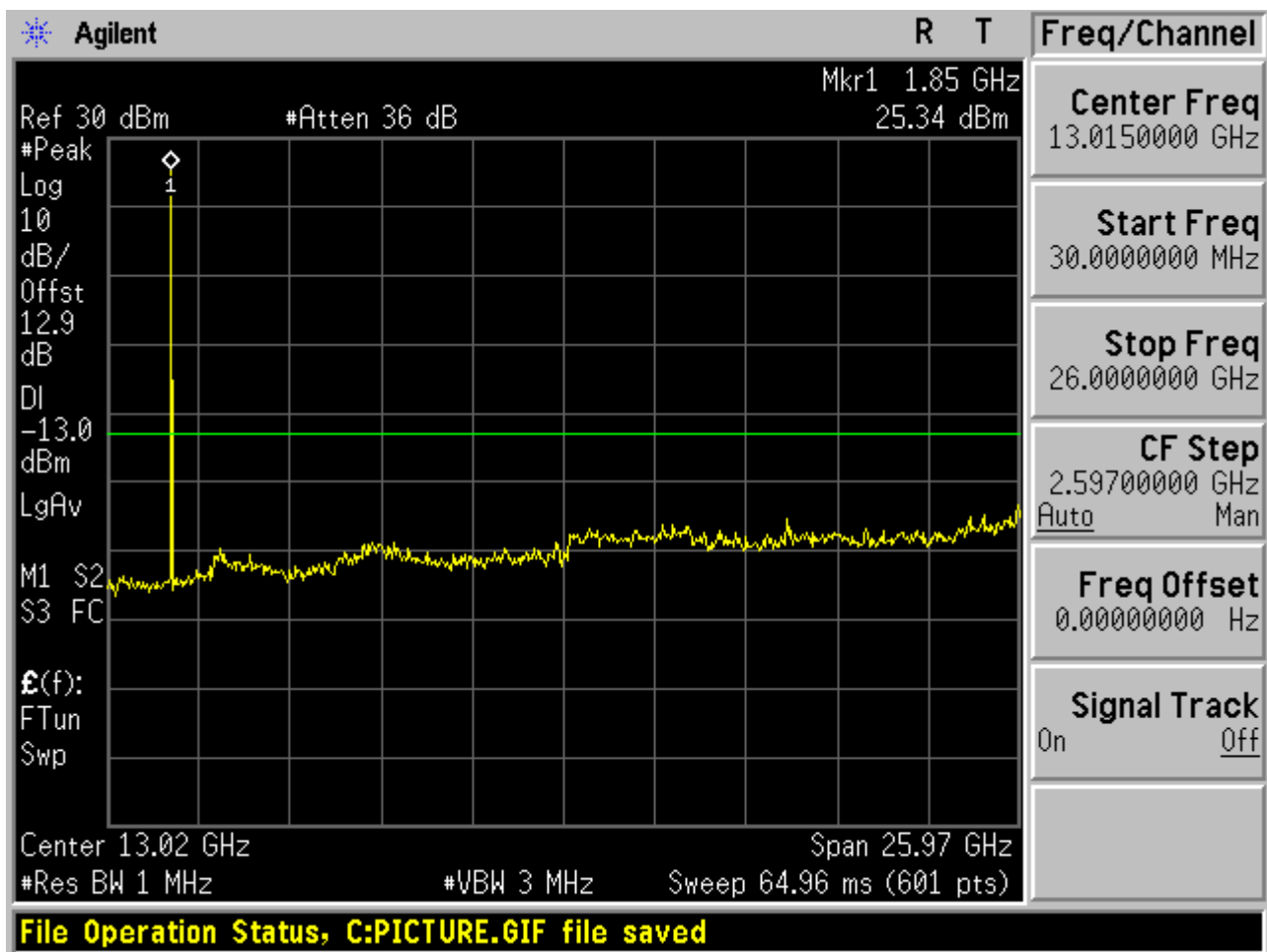
2.2.4 Channel Bandwidth = 10 MHz

2.2.4.1 Channel = L

2.2.4.1.1 16QAM/1RBs /RB #0



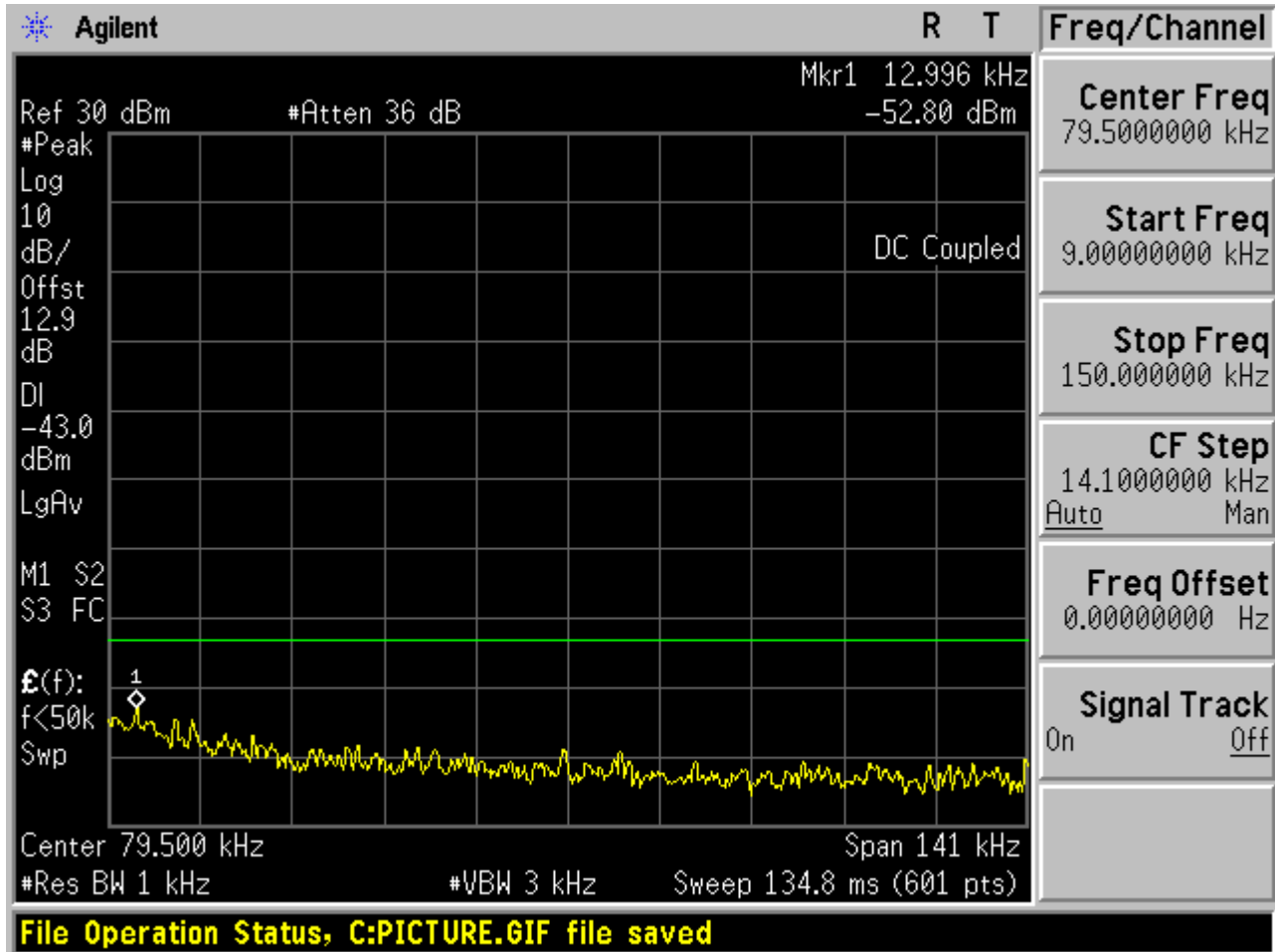


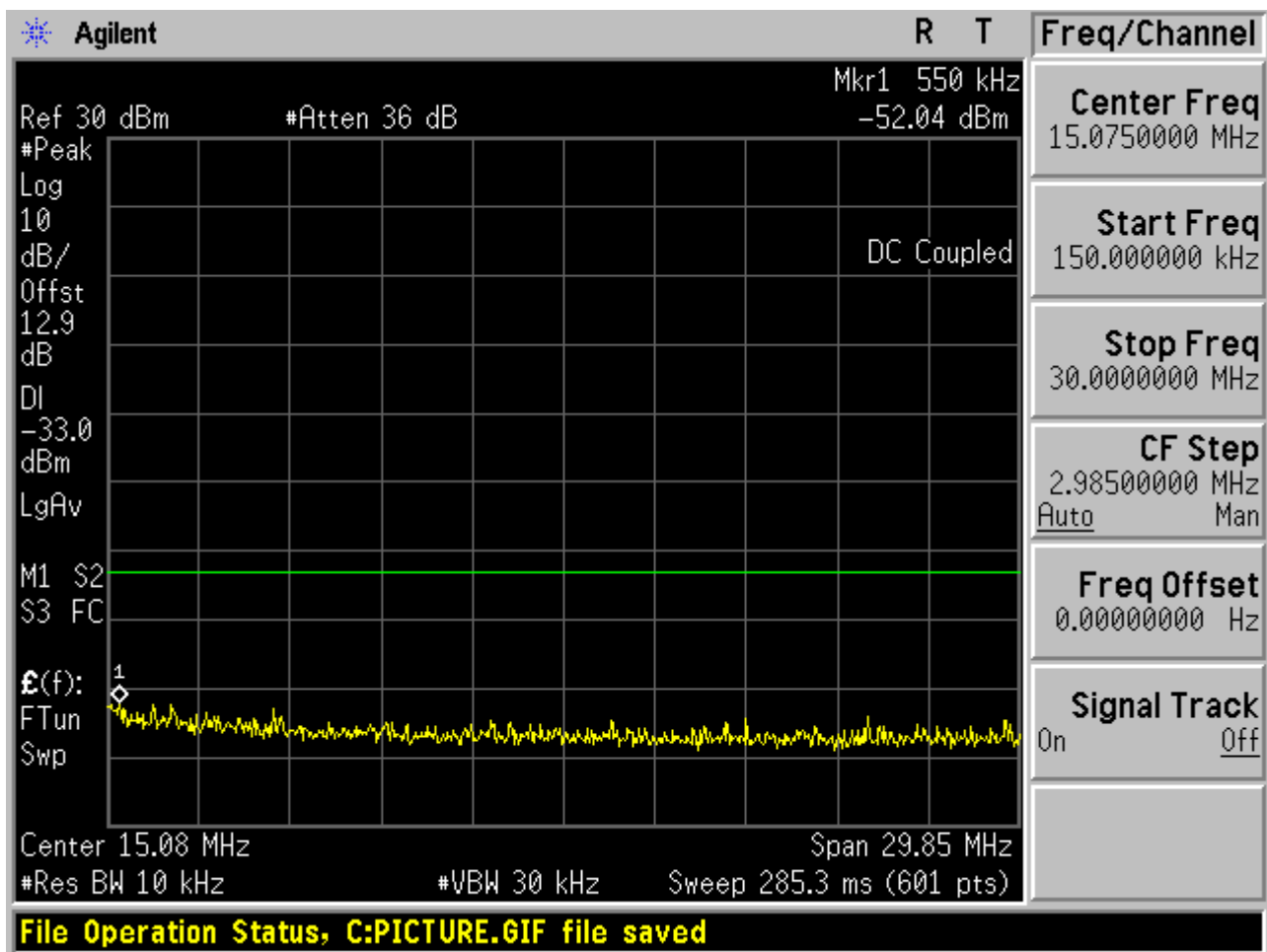


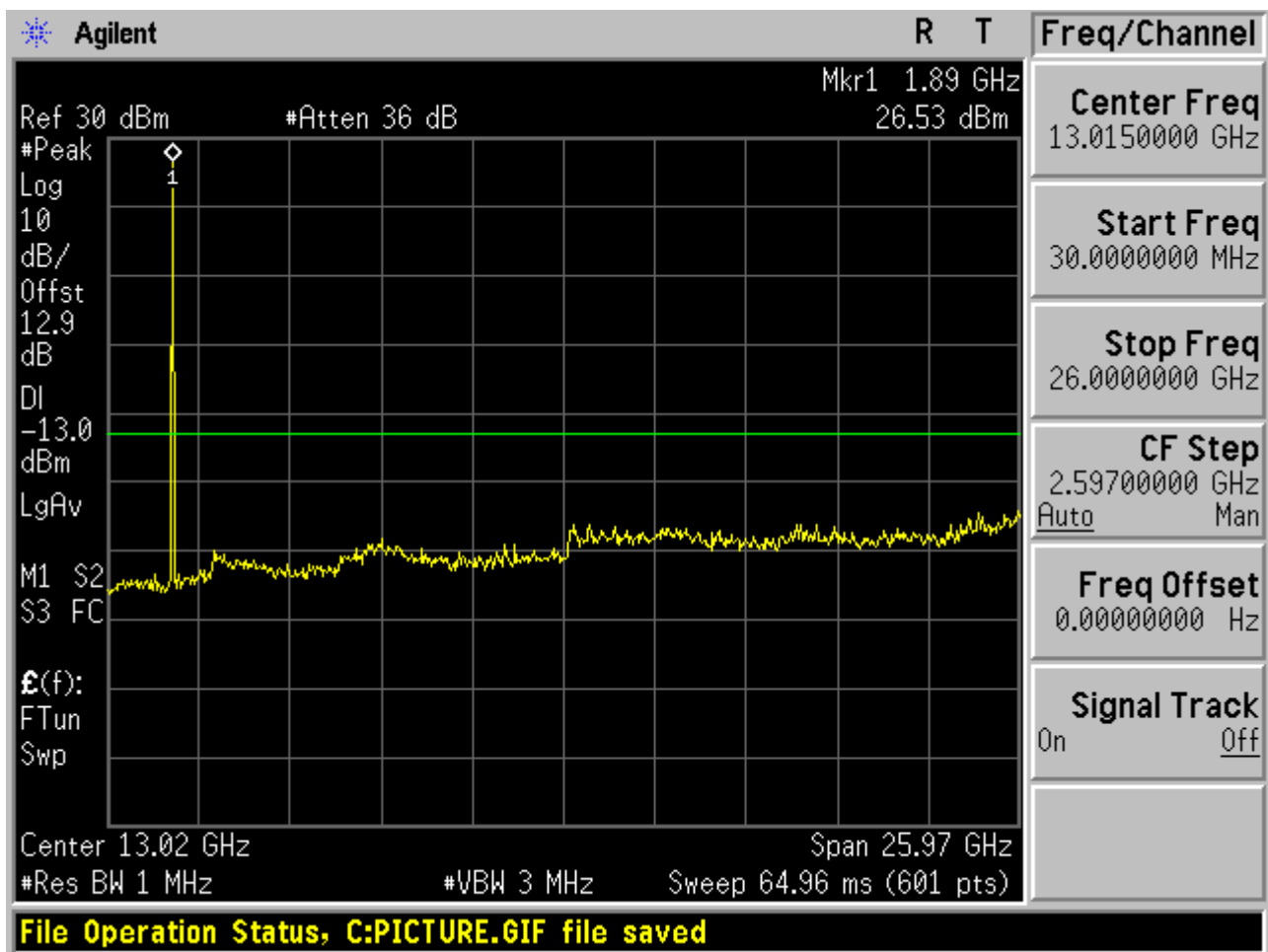


2.2.4.2 Channel = M

2.2.4.2.1 16QAM/1RBs /RB #0



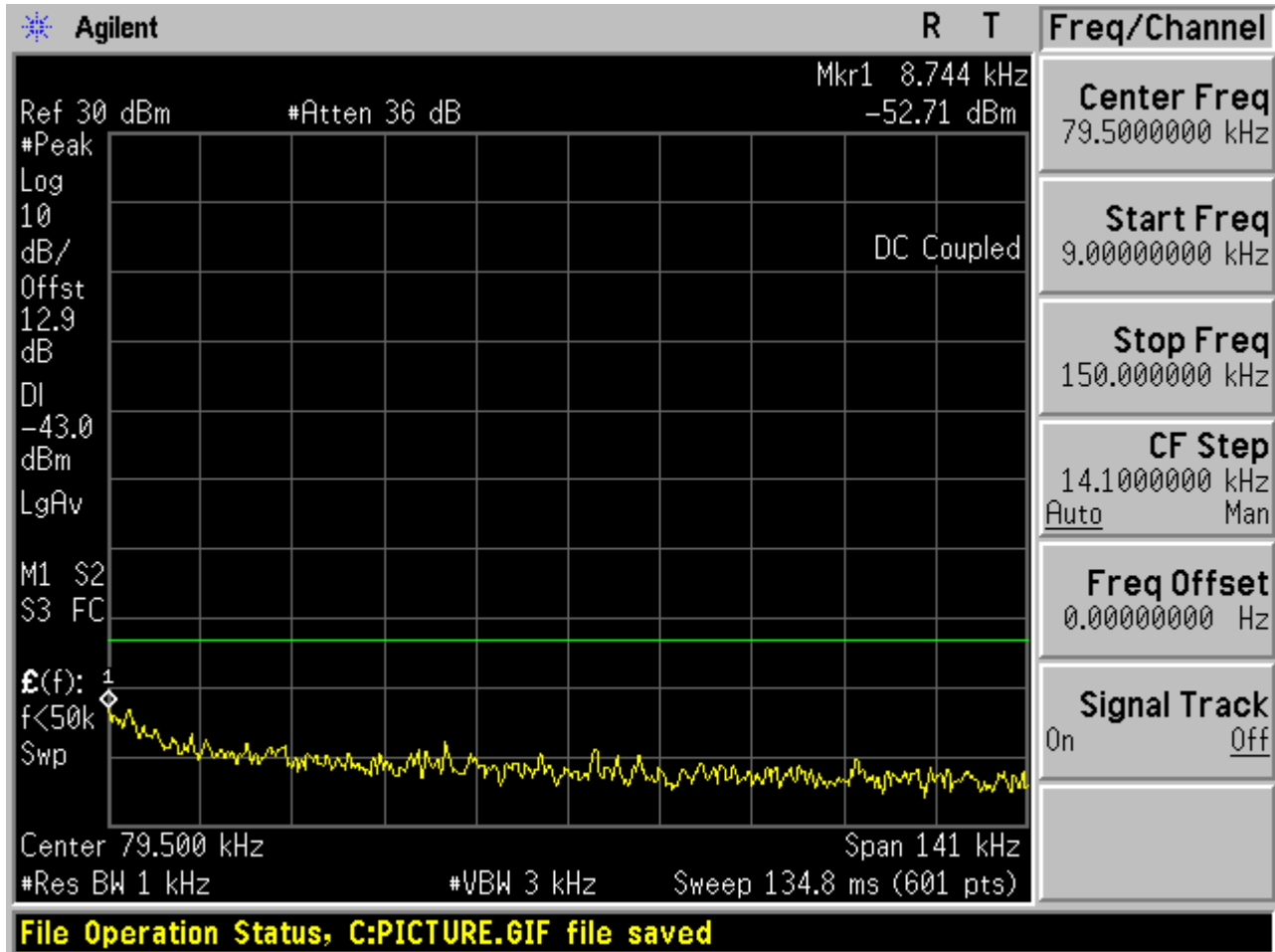


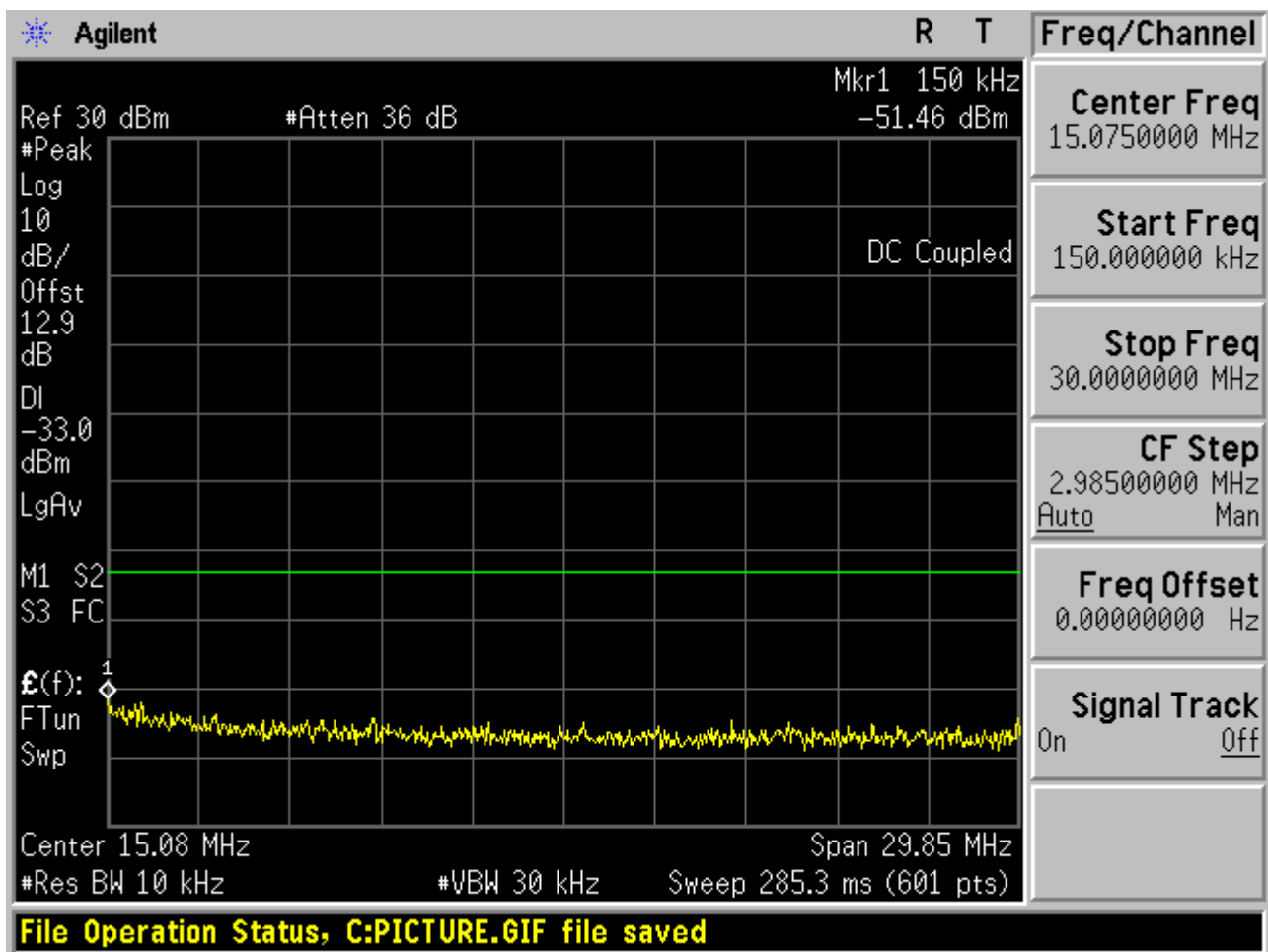


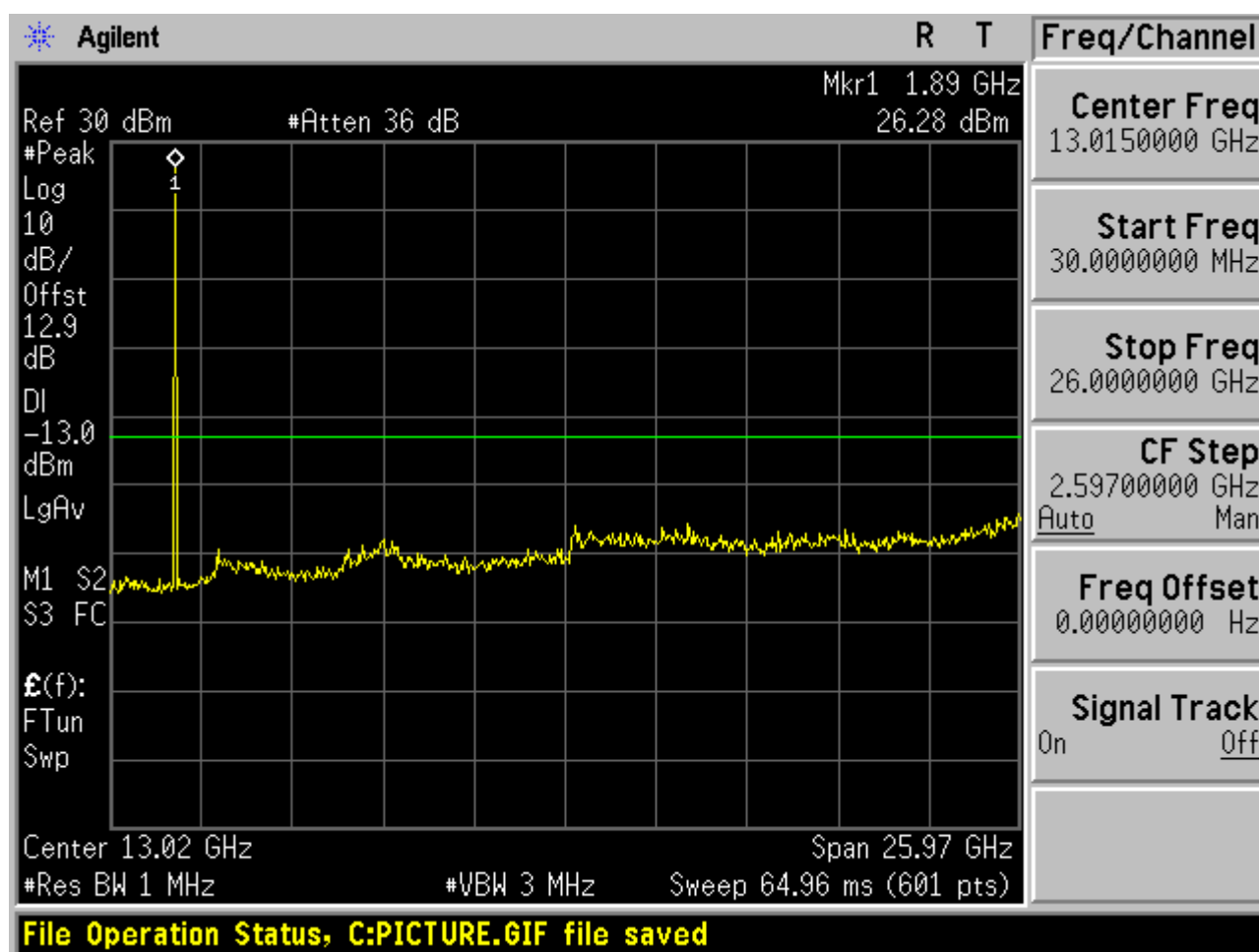


2.2.4.3 Channel = H

2.2.4.3.1 16QAM/1RBs /RB #0





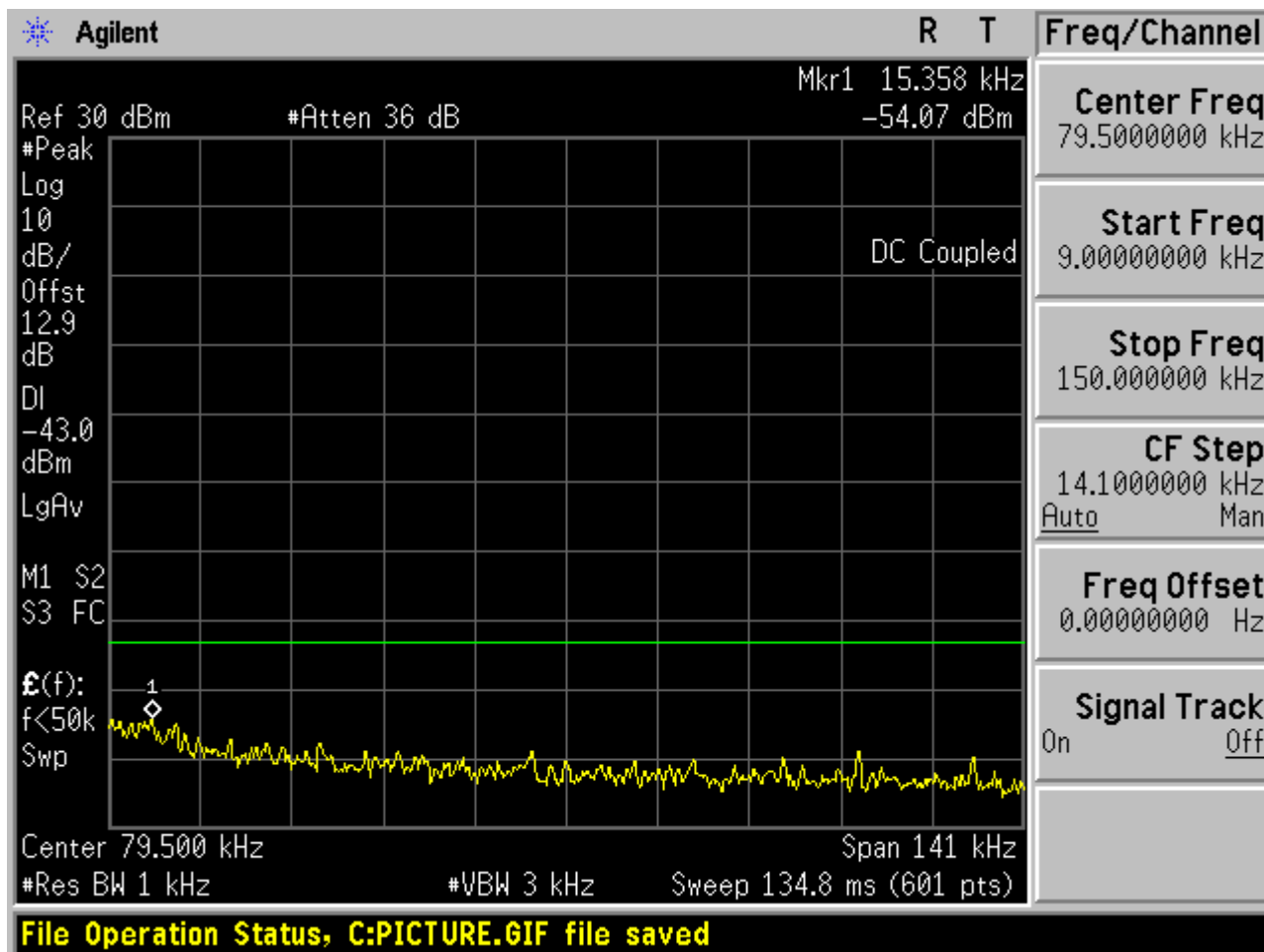


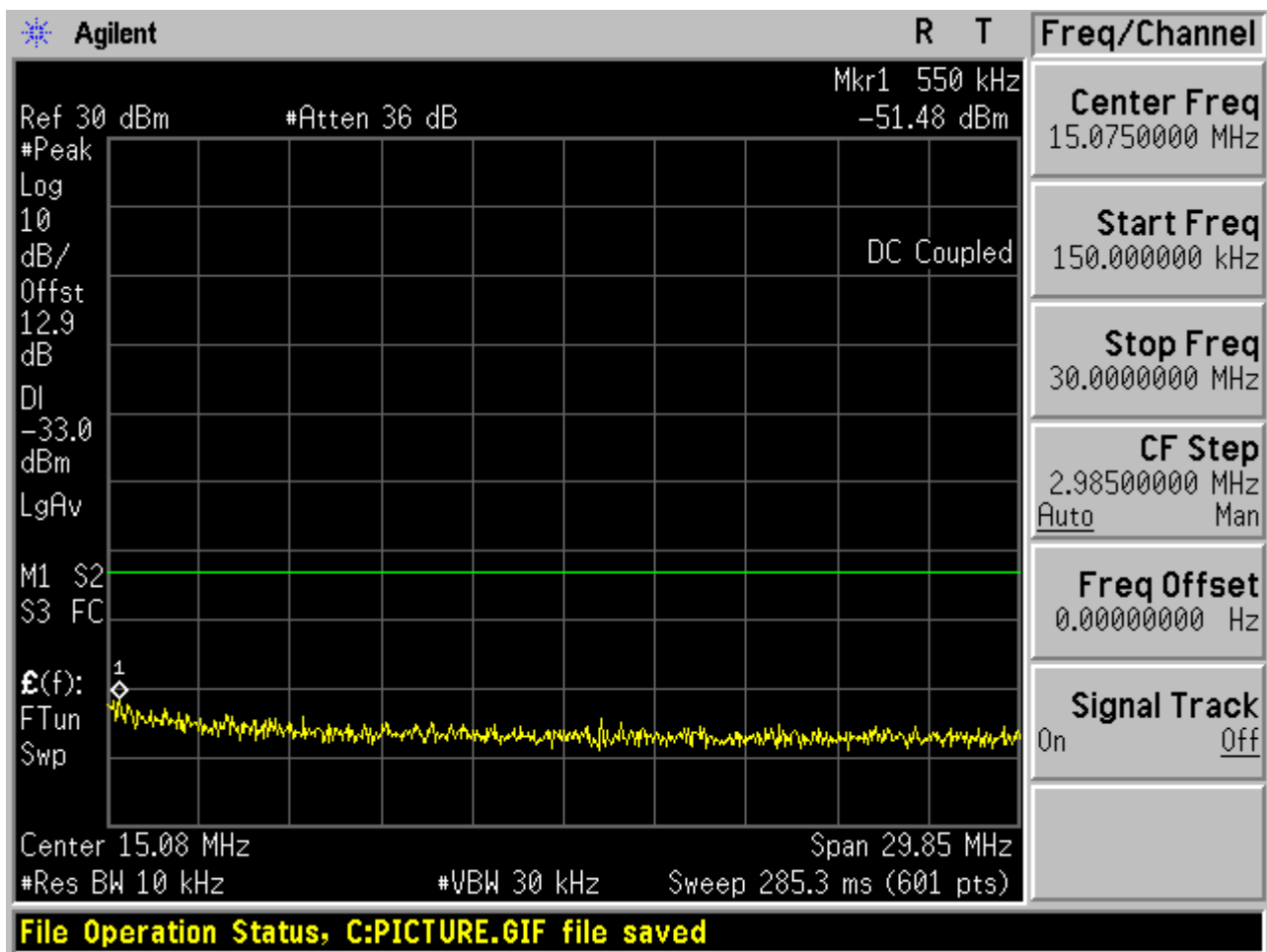


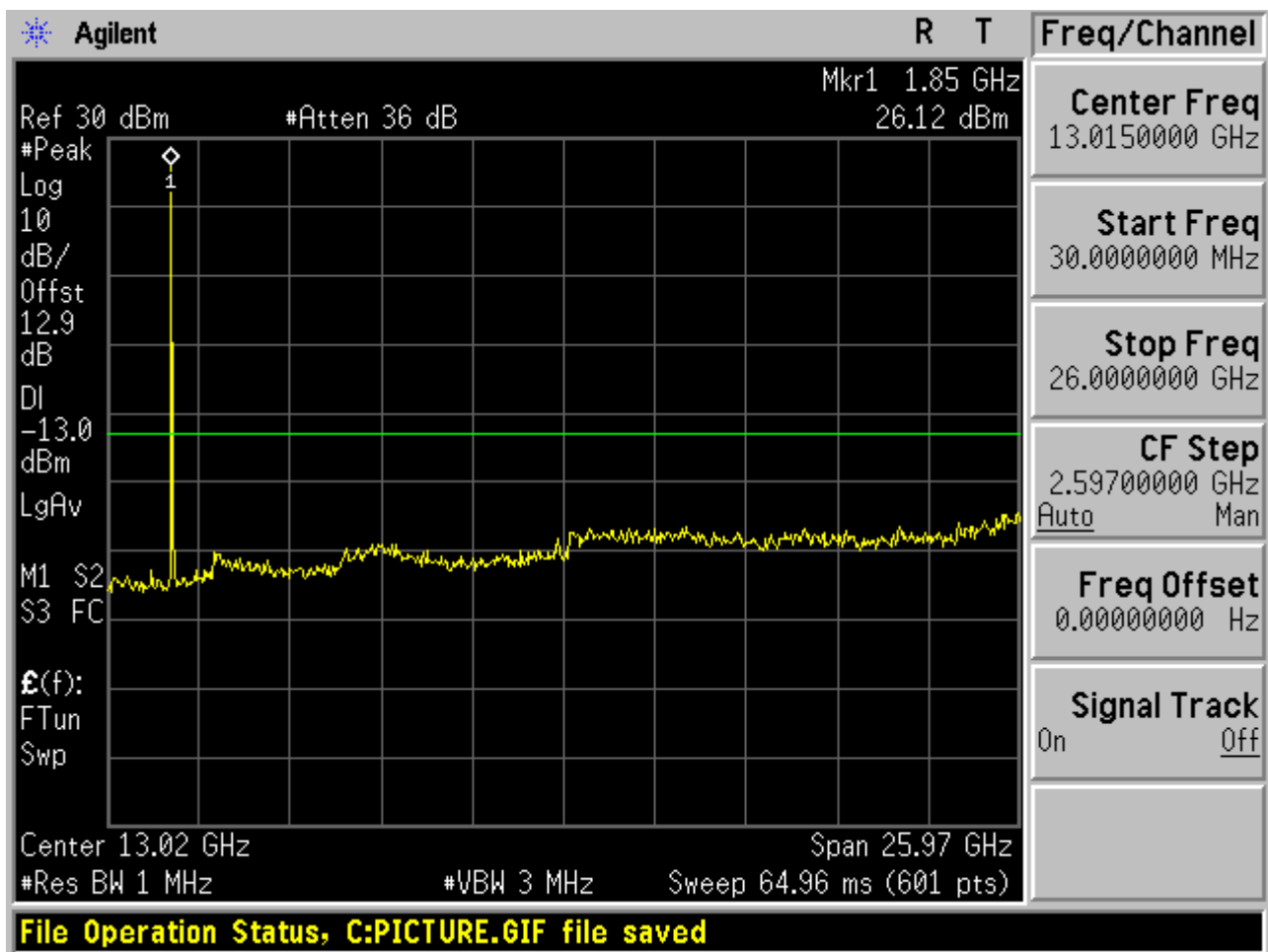
2.2.5 Channel Bandwidth = 15 MHz

2.2.5.1 Channel = L

2.2.5.1.1 16QAM/1RBs /RB #0



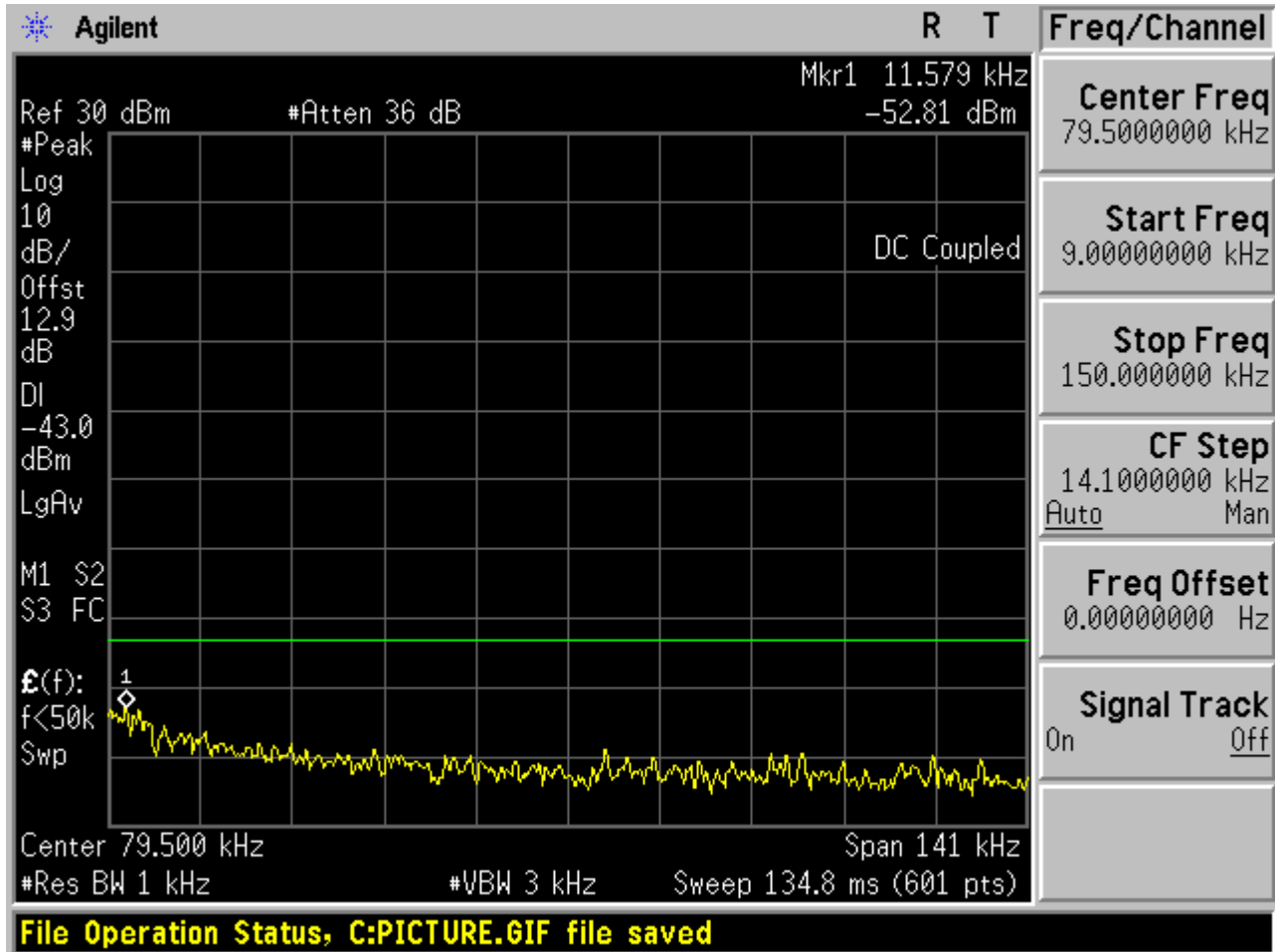


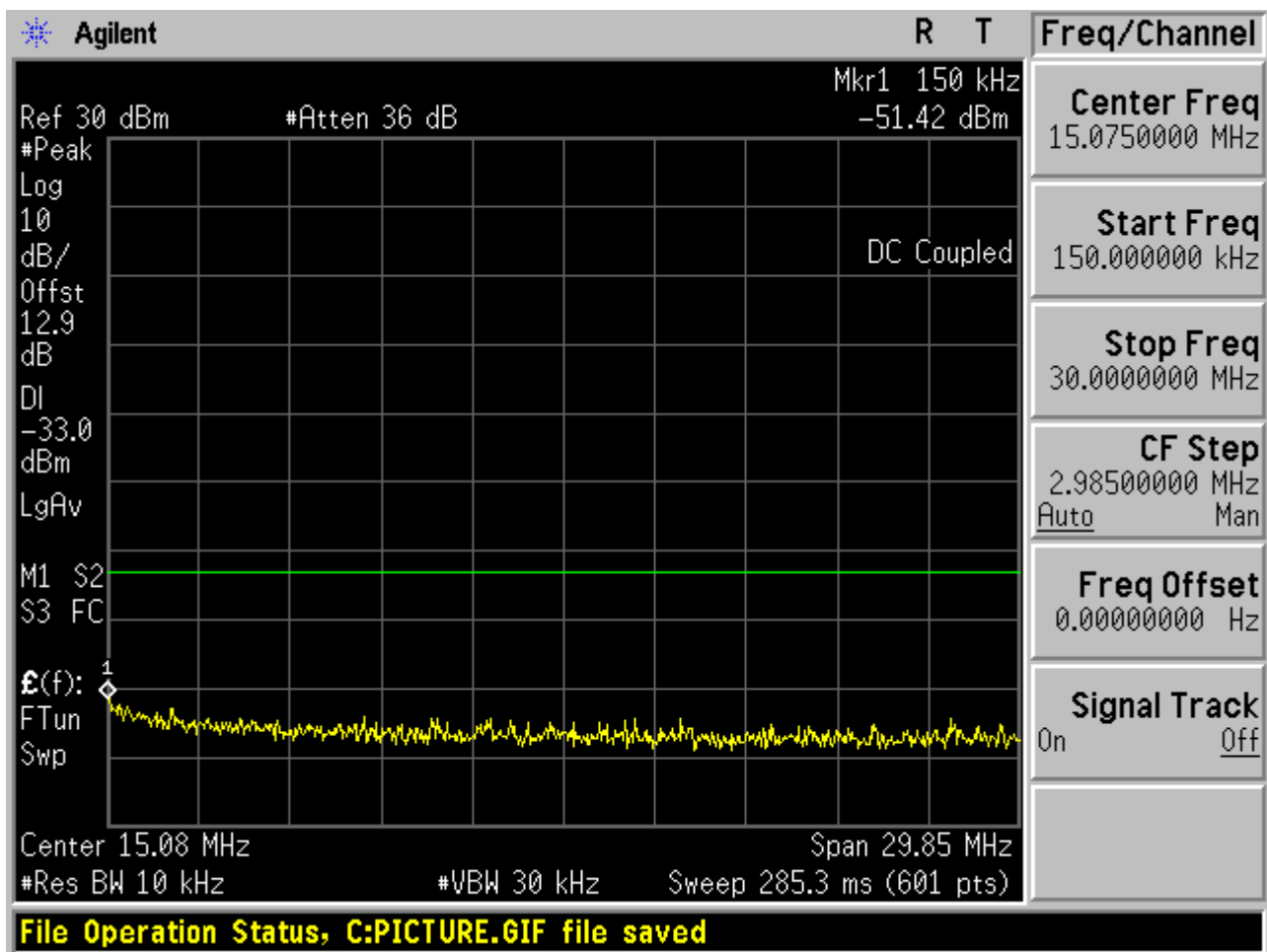


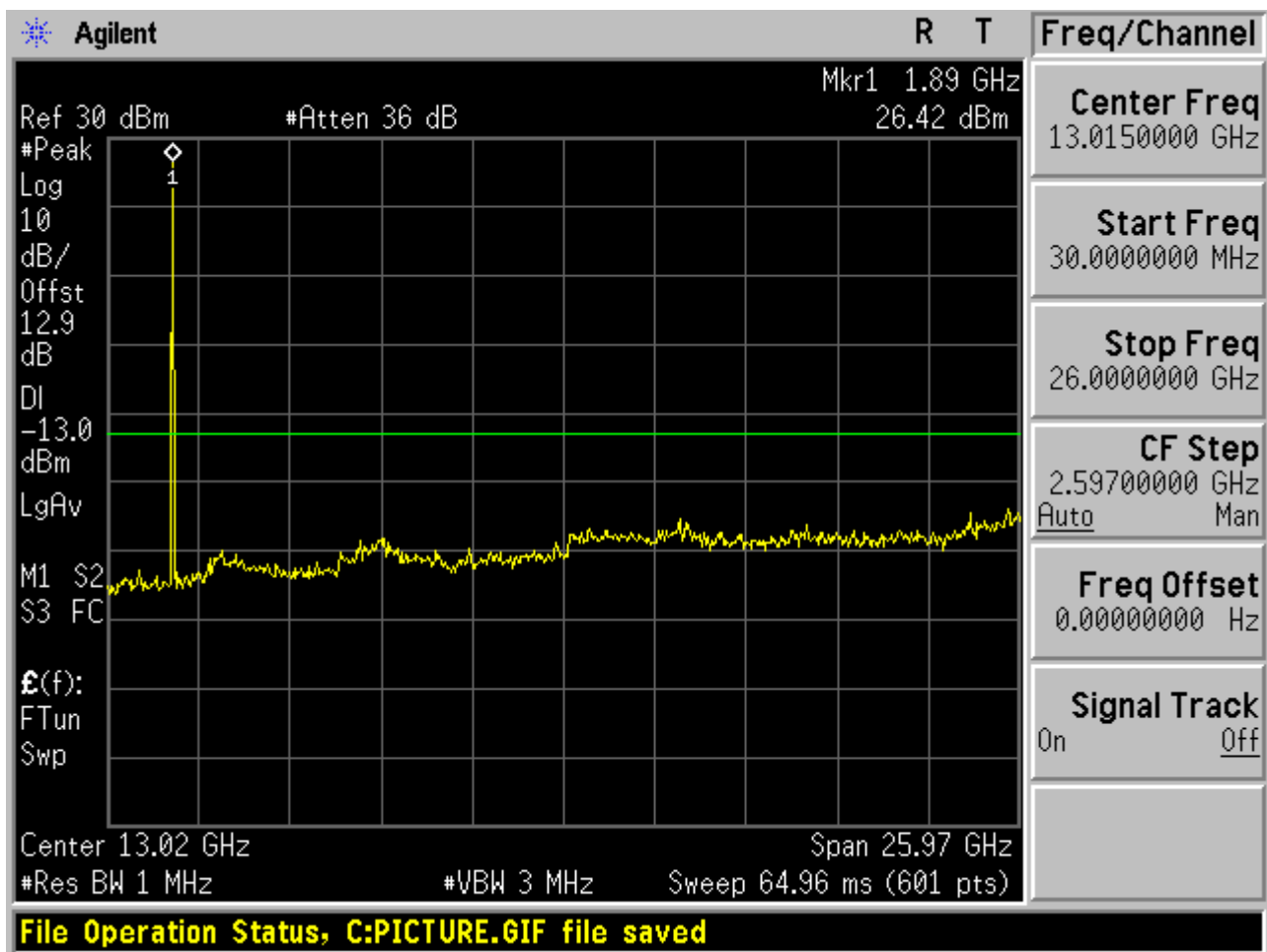


2.2.5.2 Channel = M

2.2.5.2.1 16QAM/1RBs /RB #0



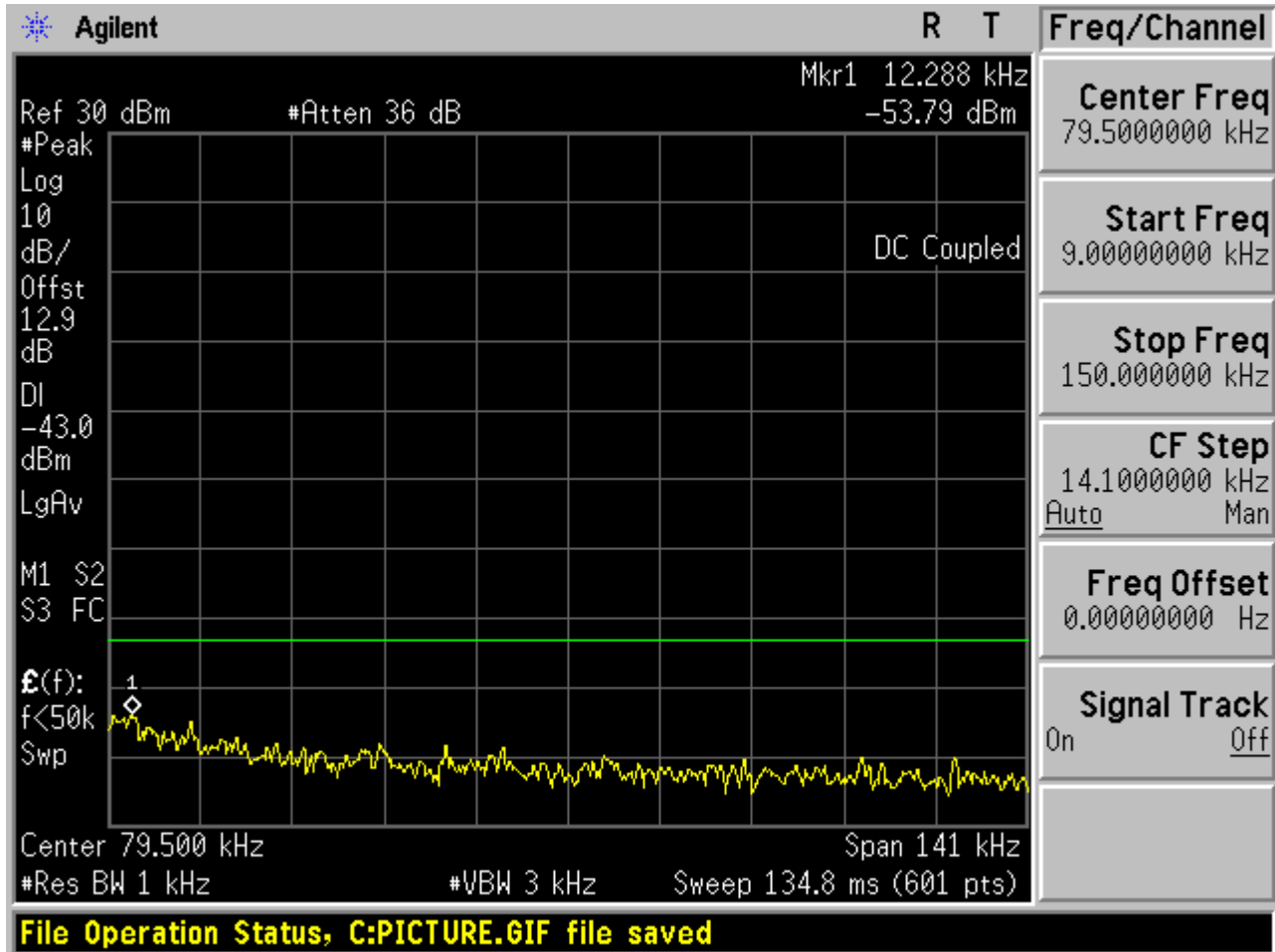


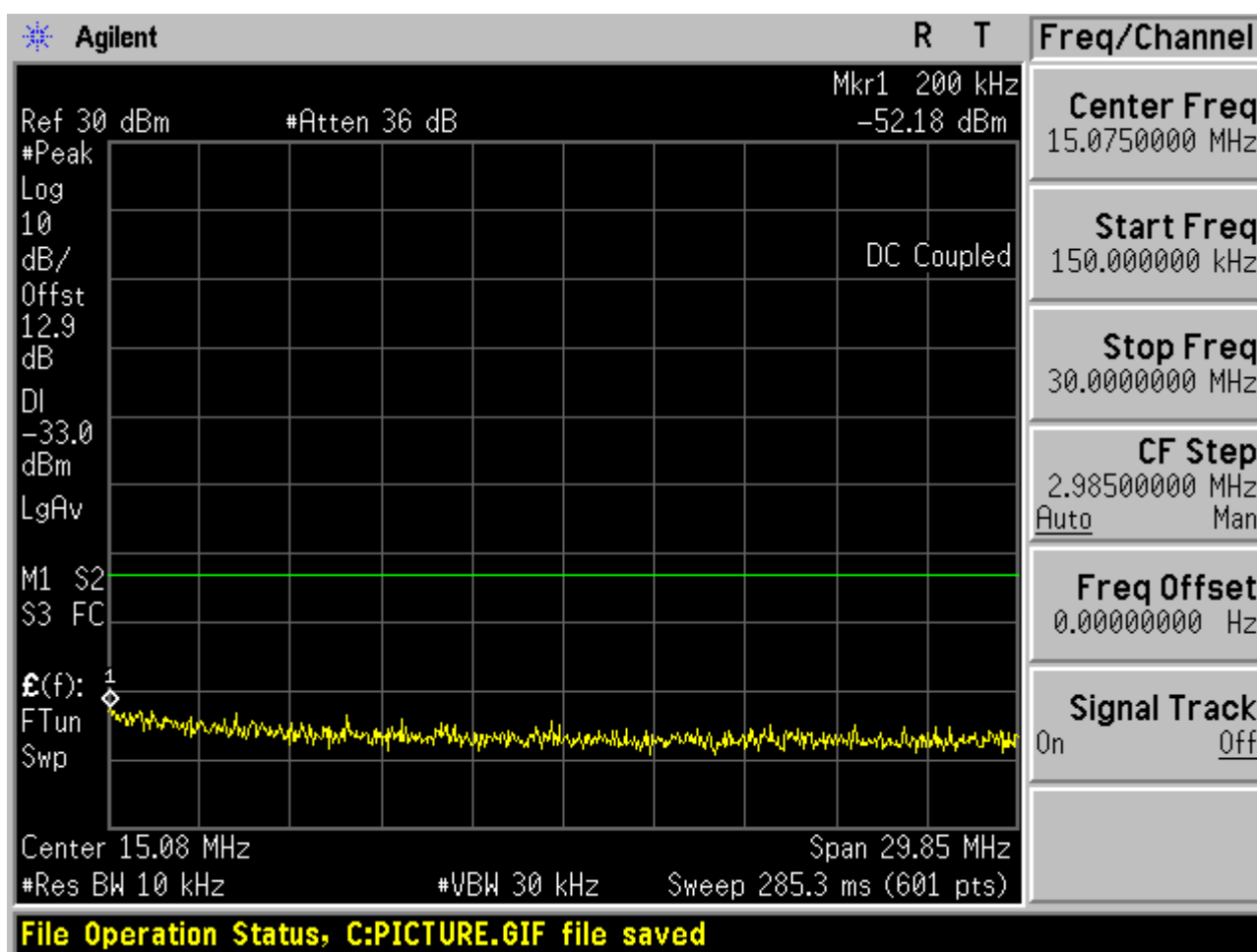


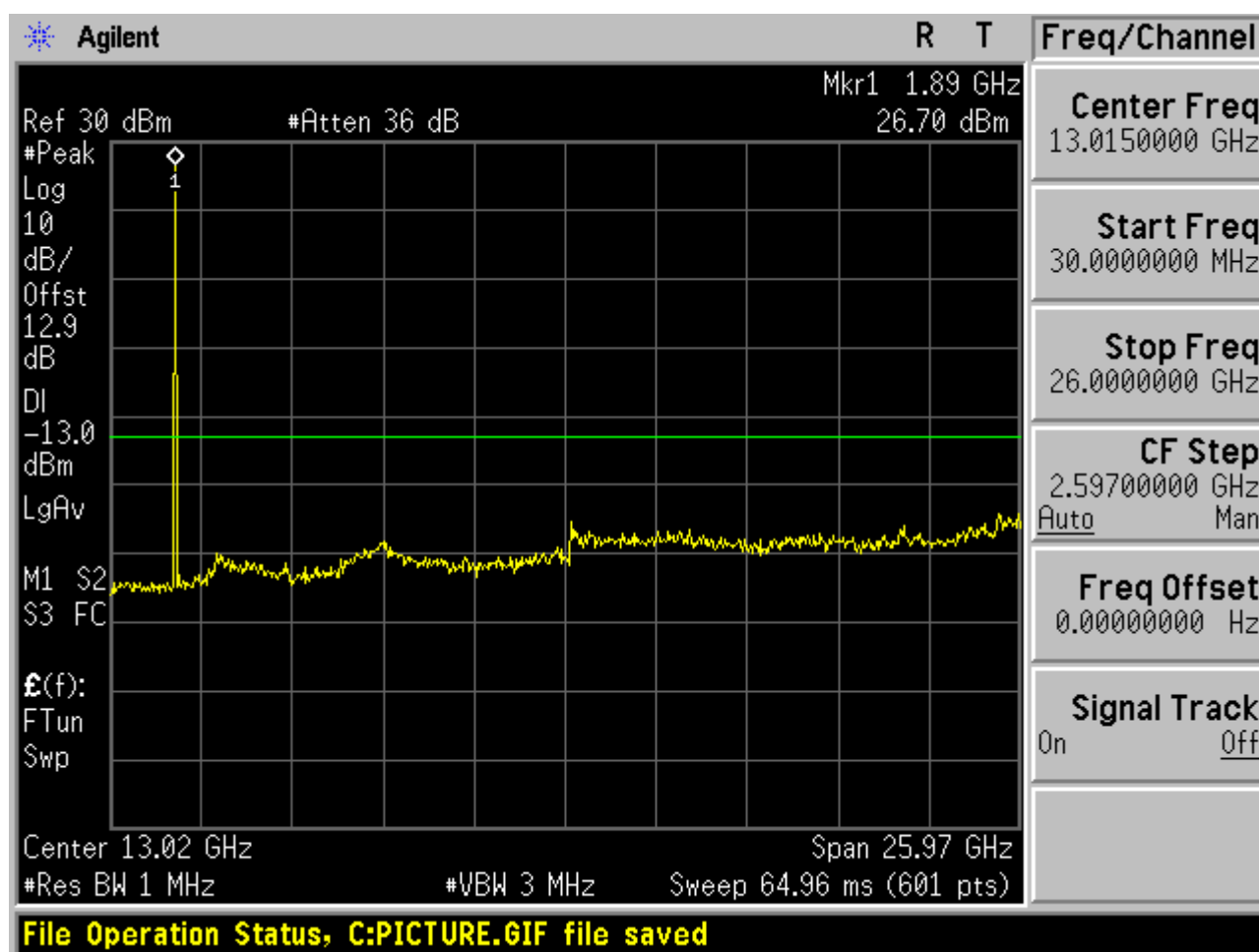


2.2.5.3 Channel = H

2.2.5.3.1 16QAM/1RBs /RB #0





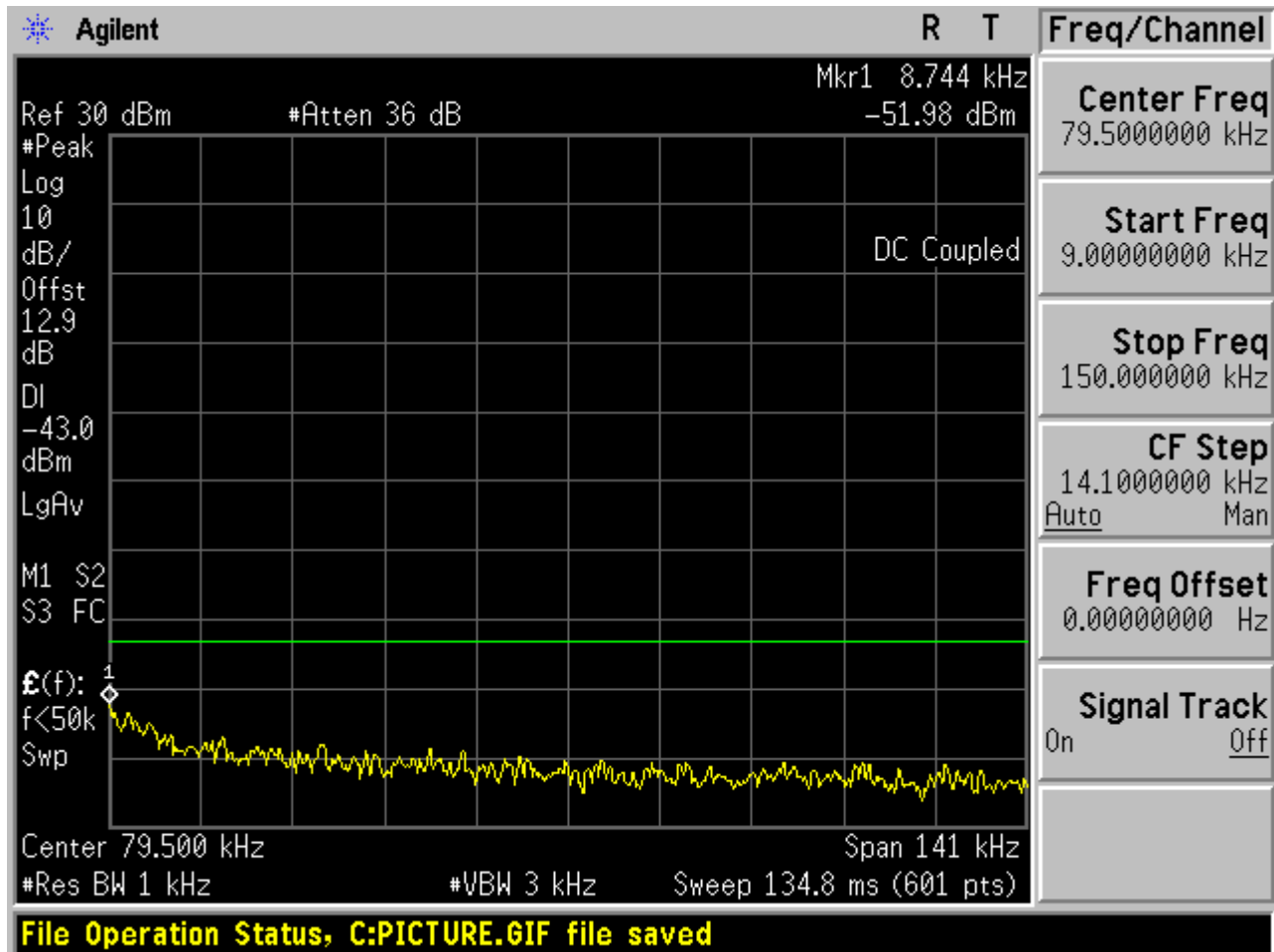


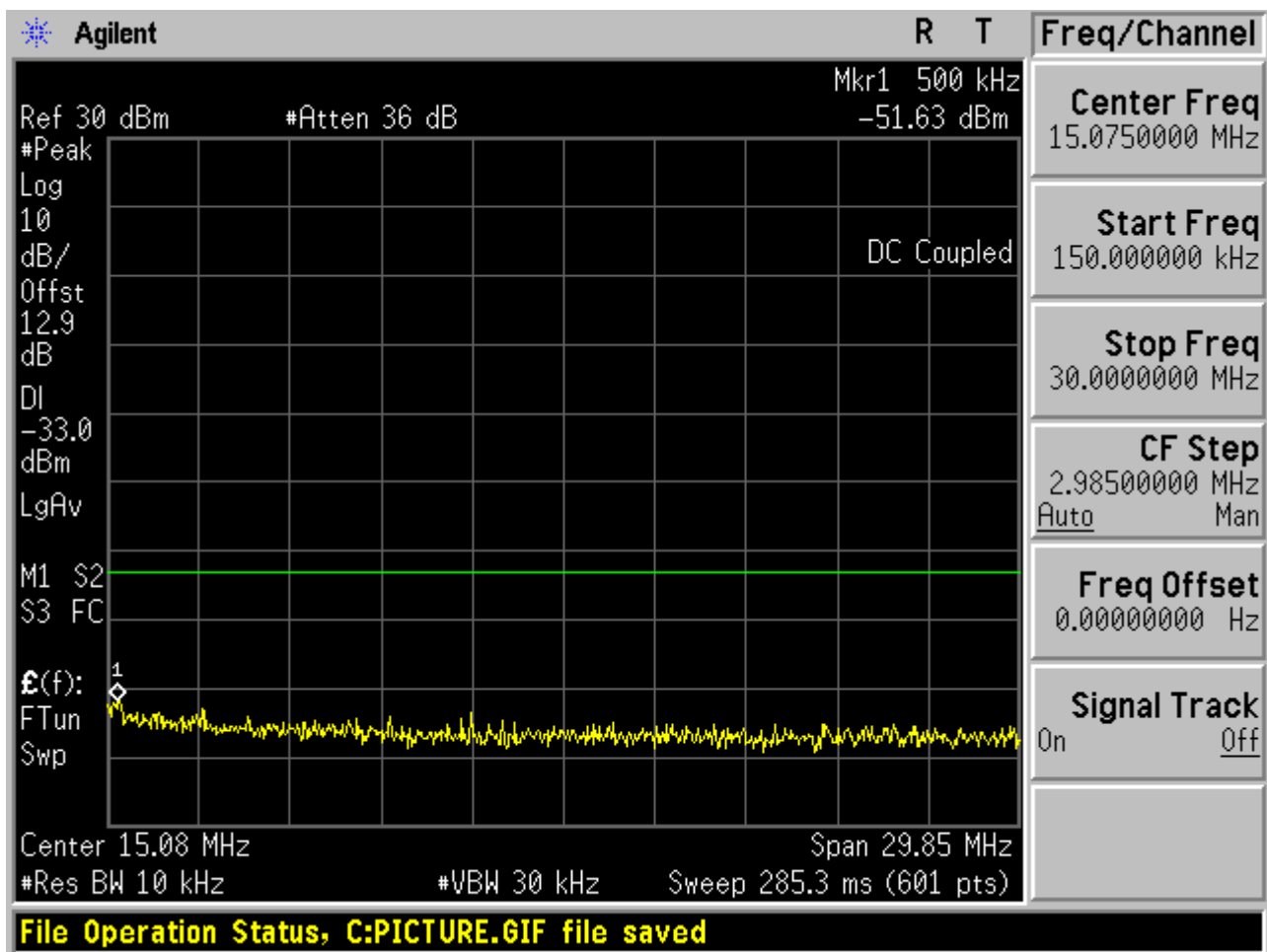


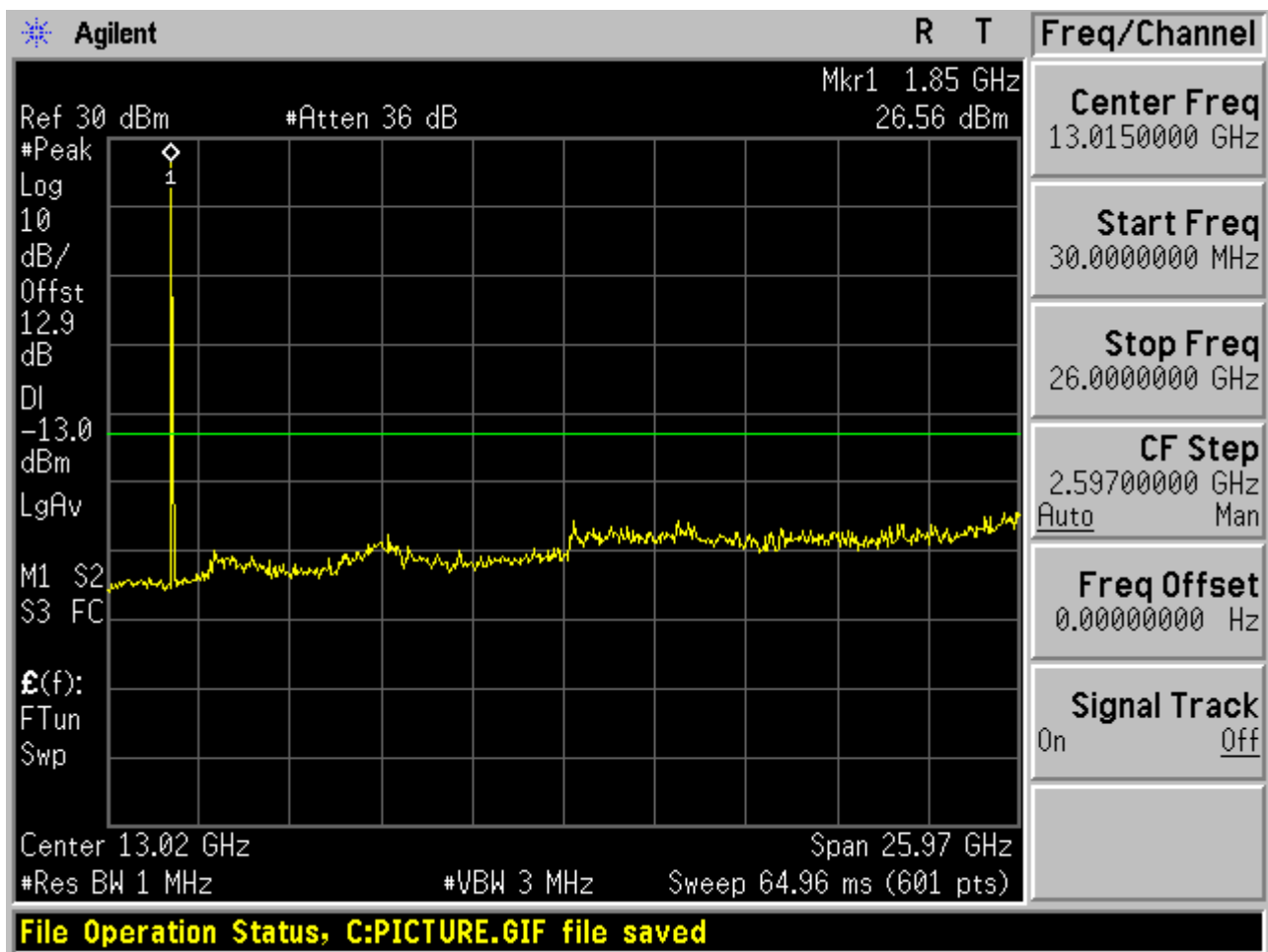
2.2.6 Channel Bandwidth = 20 MHz

2.2.6.1 Channel = L

2.2.6.1.1 16QAM/1RBs /RB #0



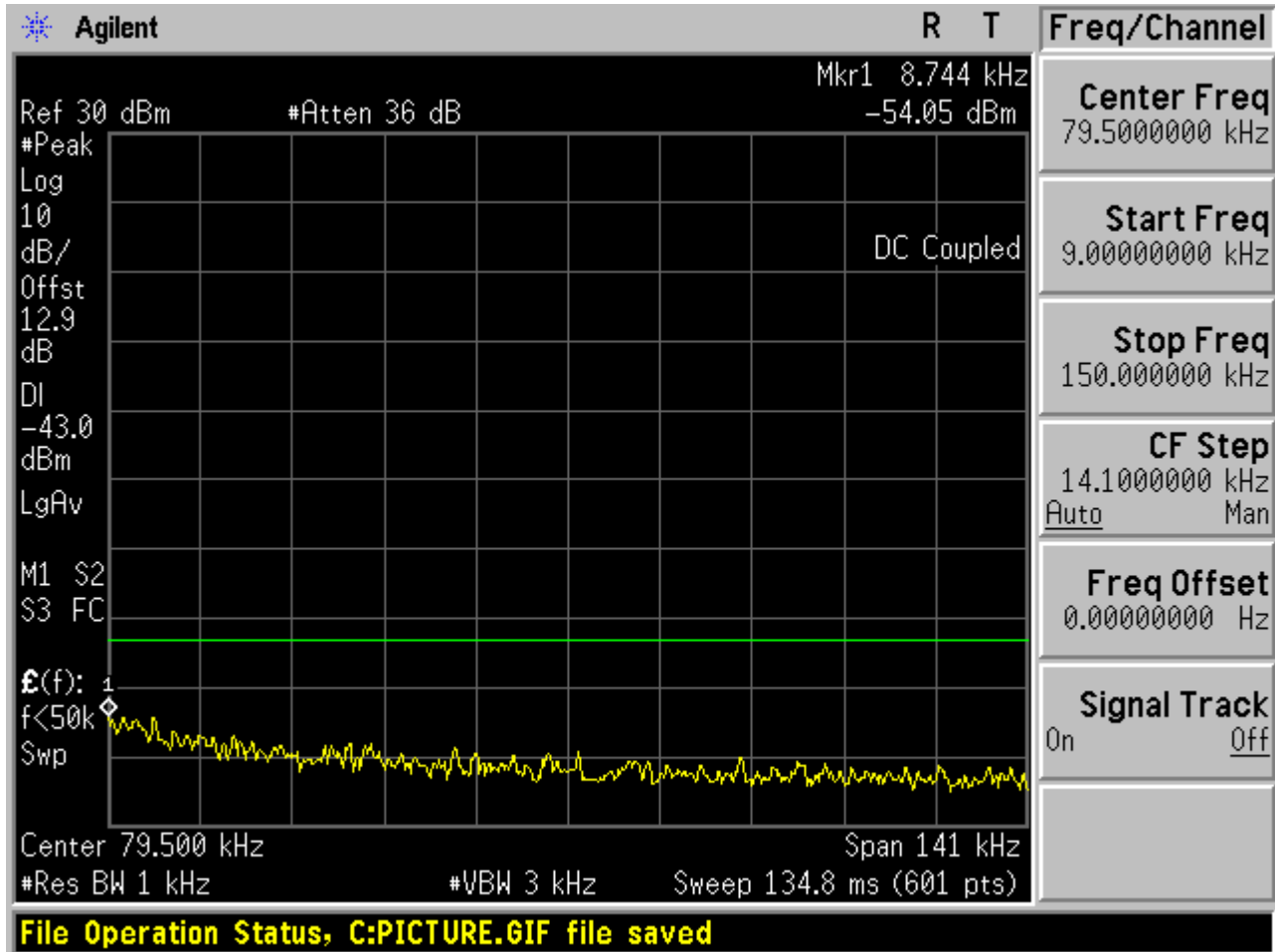


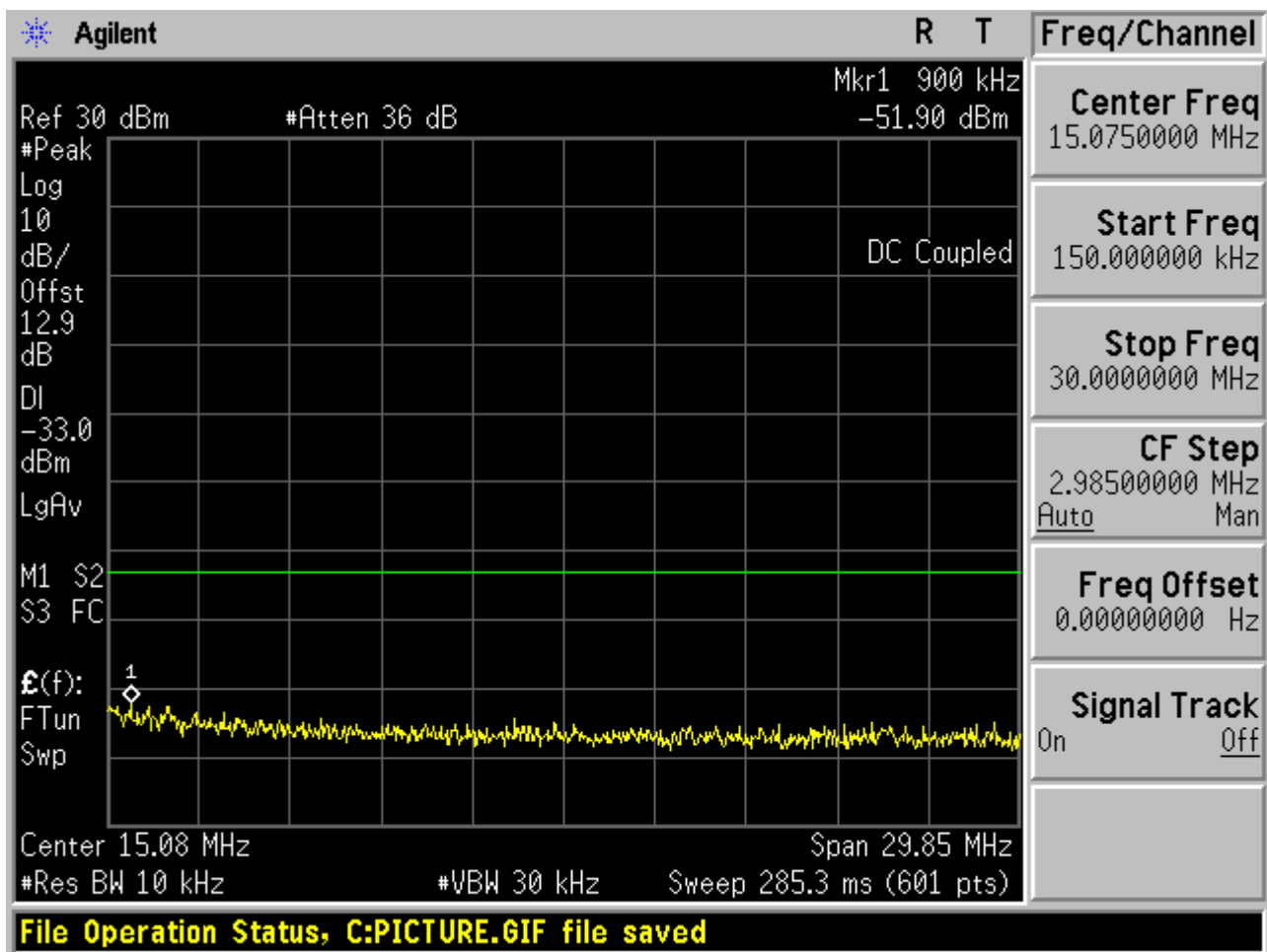


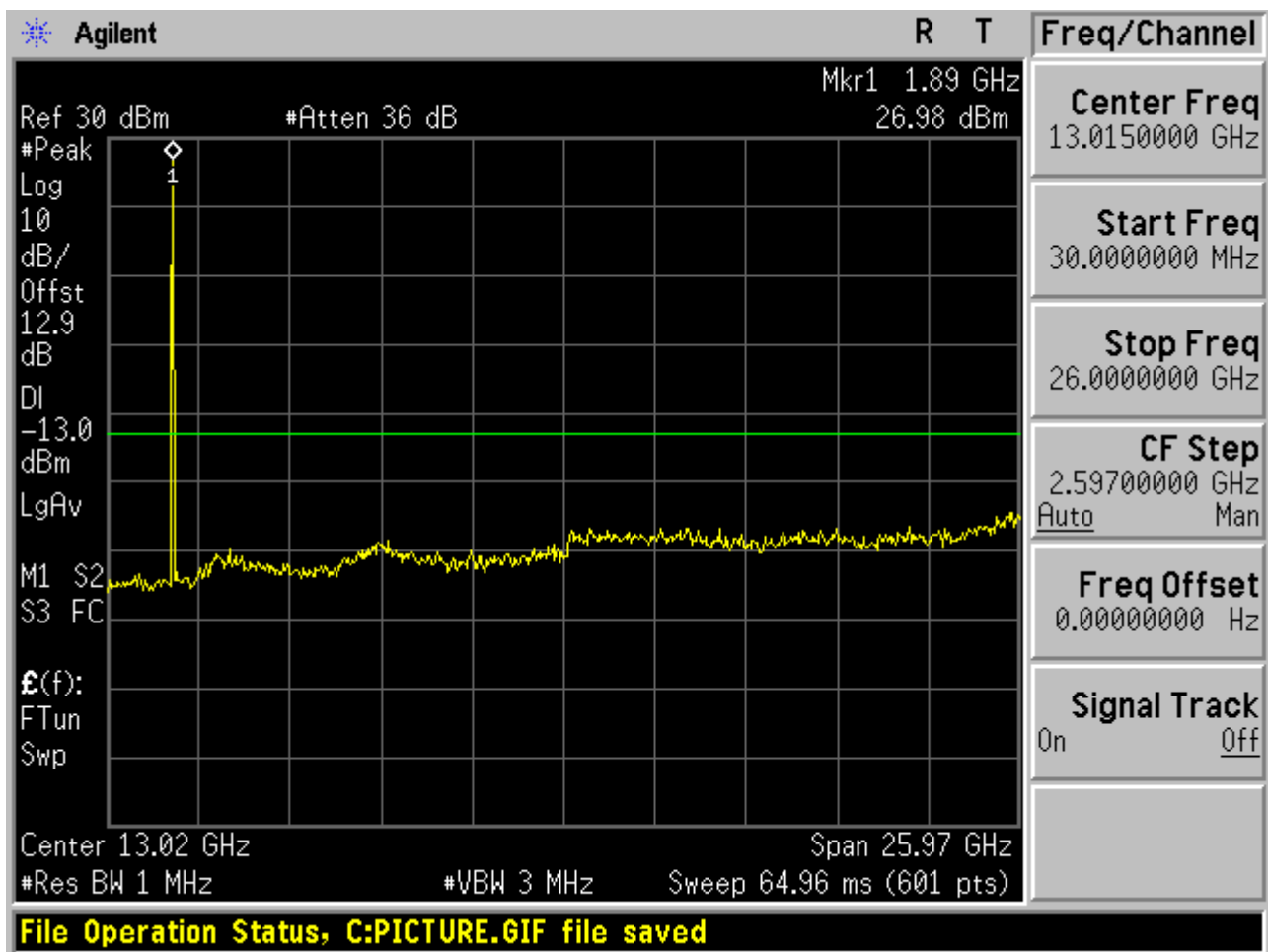


2.2.6.2 Channel = M

2.2.6.2.1 16QAM/1RBs /RB #0



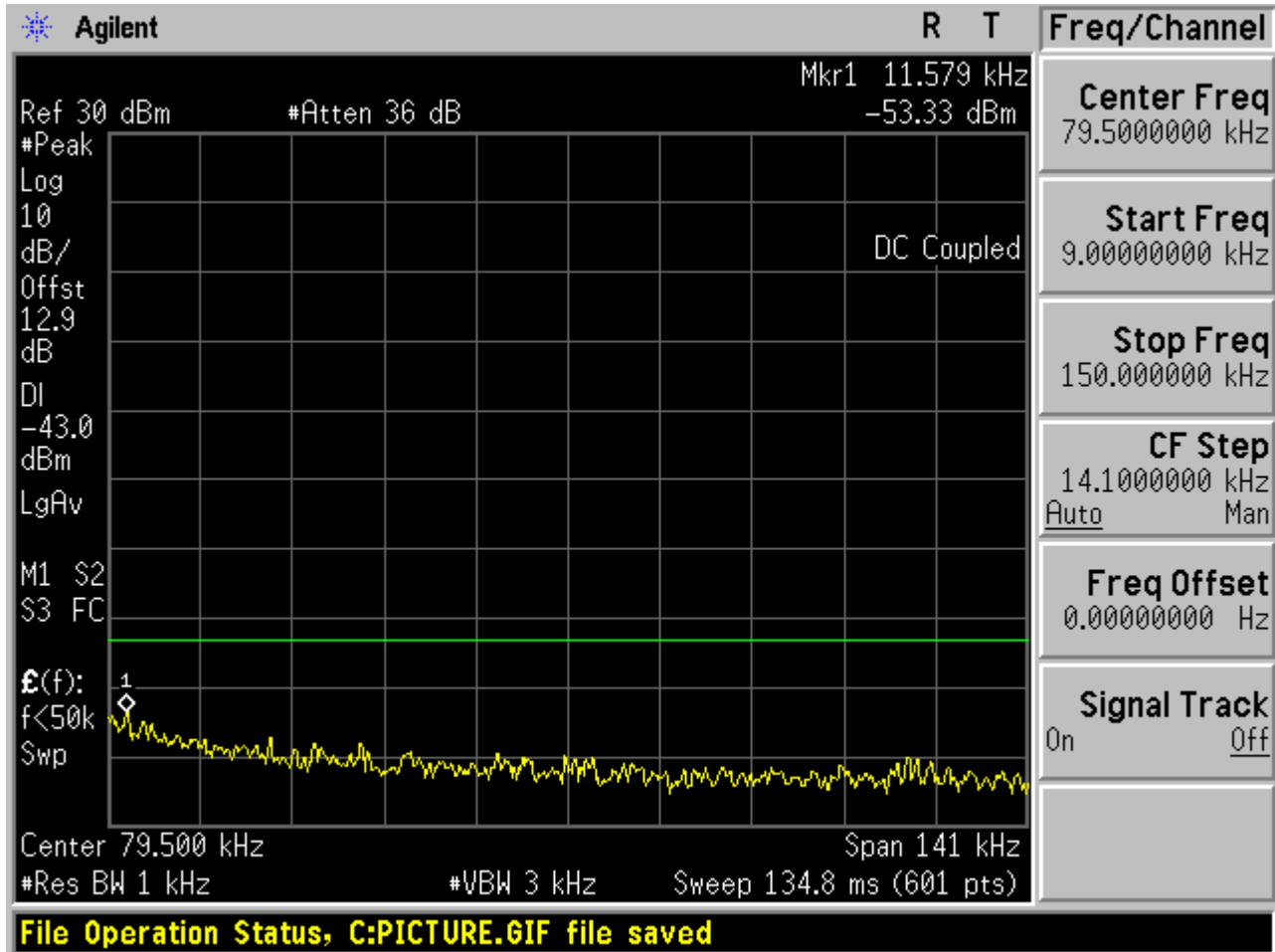


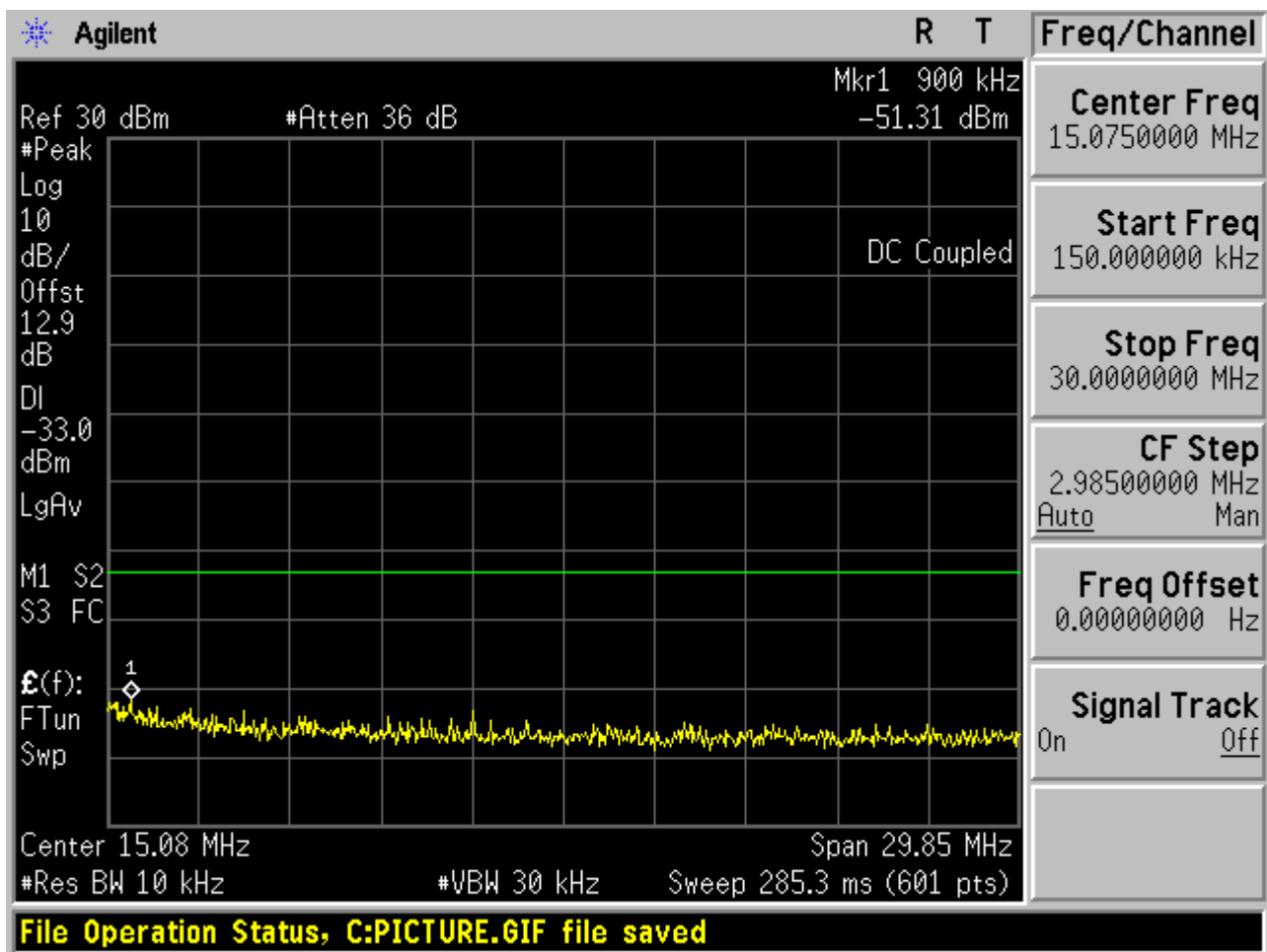


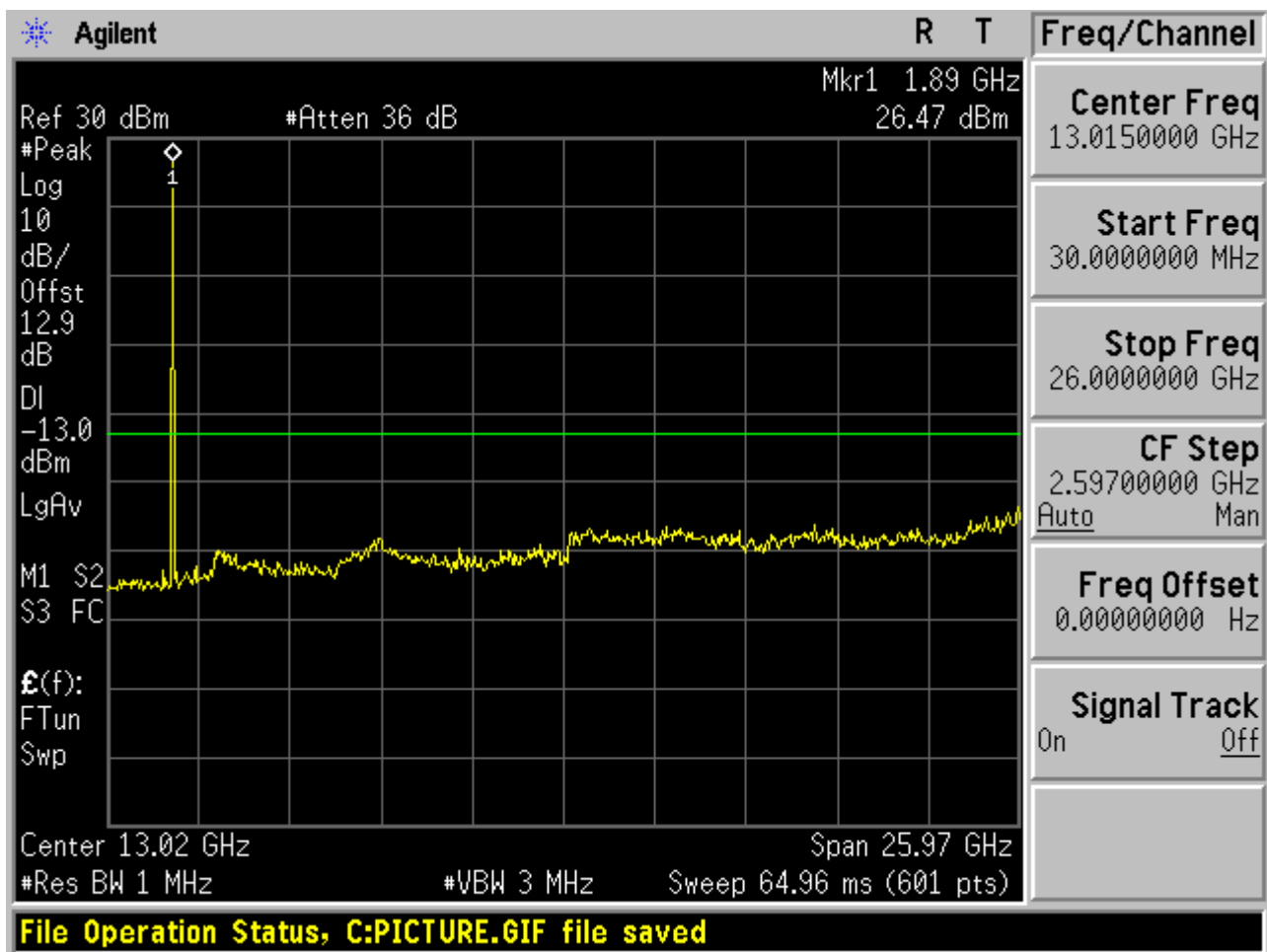


2.2.6.3 Channel = H

2.2.6.3.1 16QAM/1RBs /RB #0







-----END-----



Appendix F

Radiated spurious emission

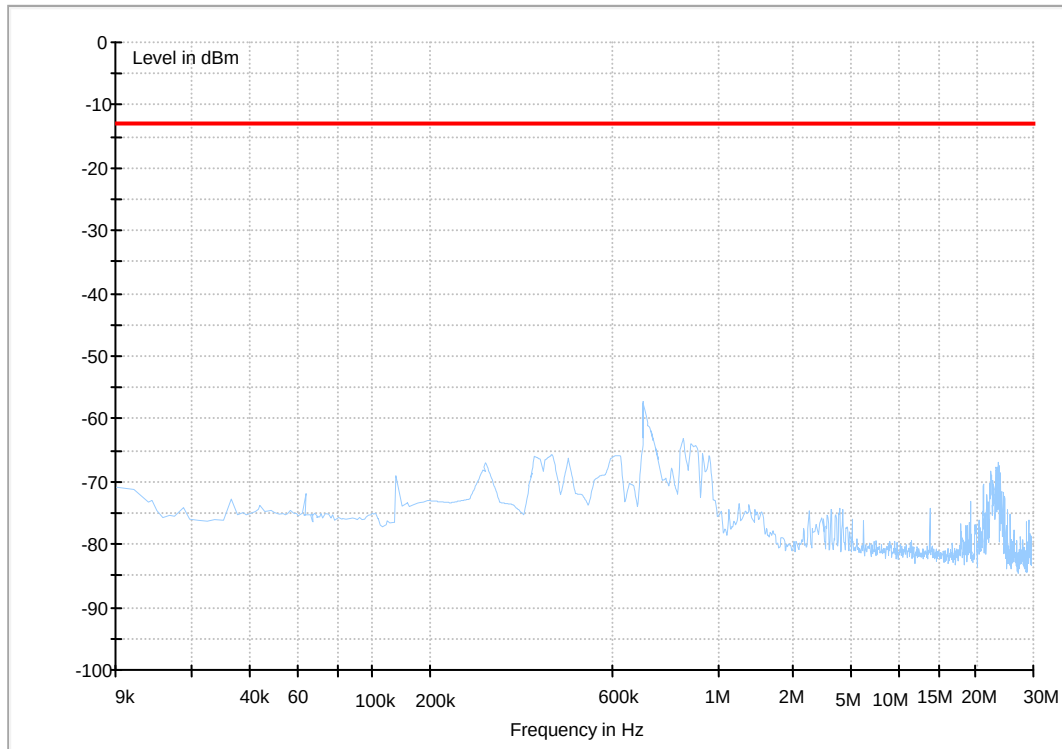
According to FCC Part 2.1053& Part 24.238 & RSS-133



Note: 1. Simultaneous transmission was investigated and no new emissions were found.
2. $RBW \geq 1\text{MHz}$, $VBW > 3 \times RBW$.

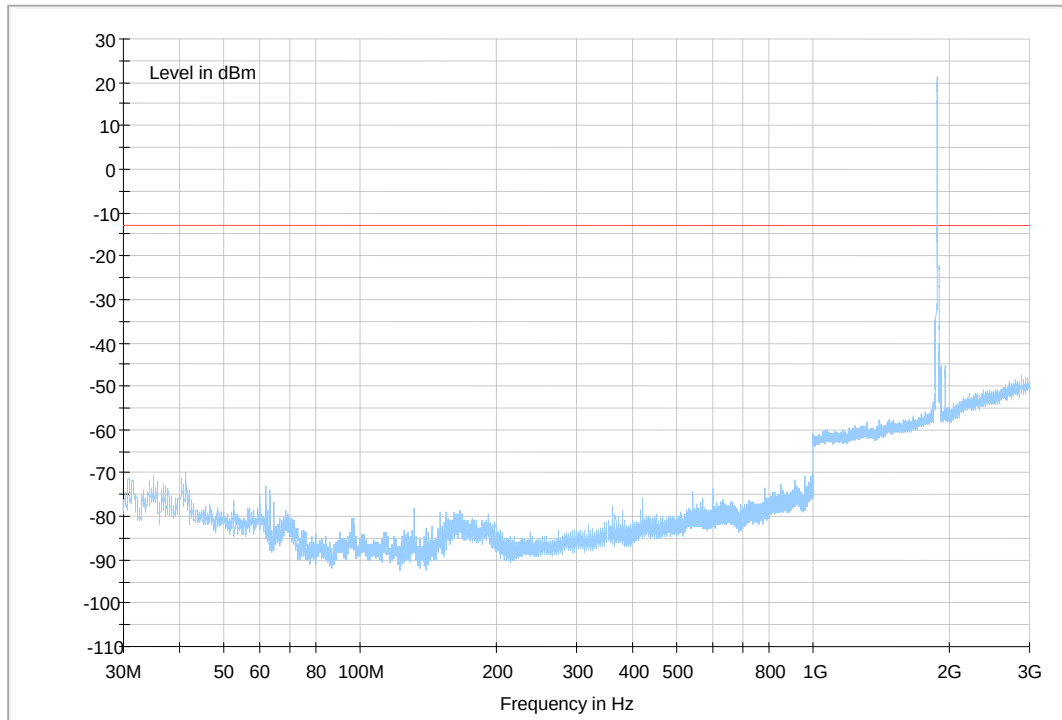
WCDMA Band II

(9KHz~30MHz)



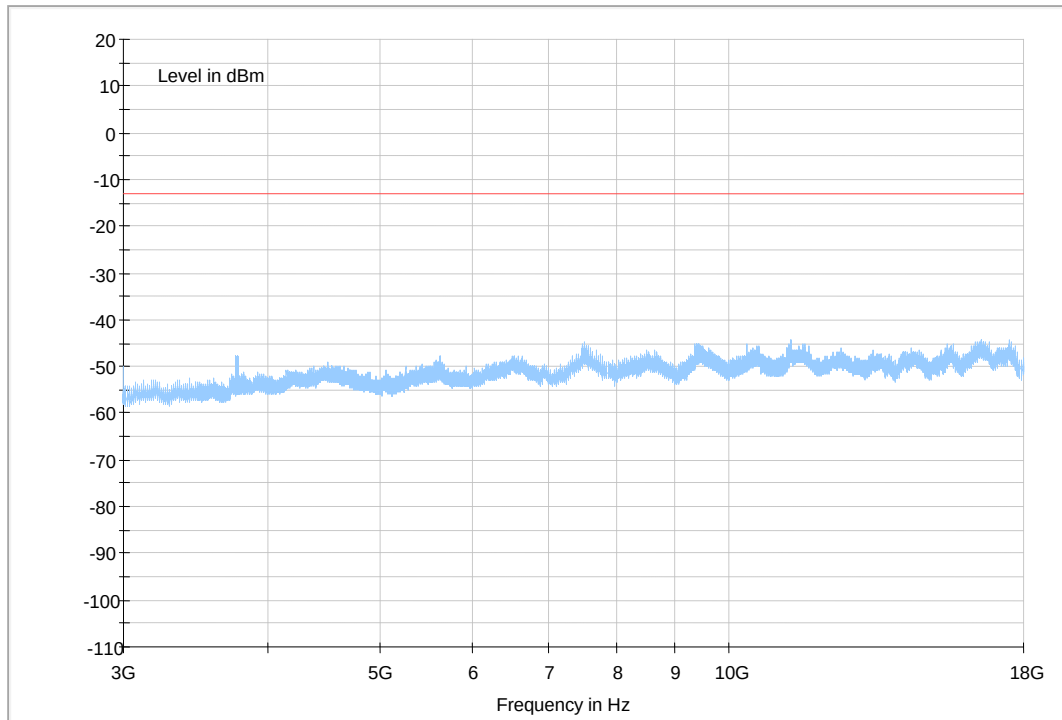


(30MHz~3GHz)



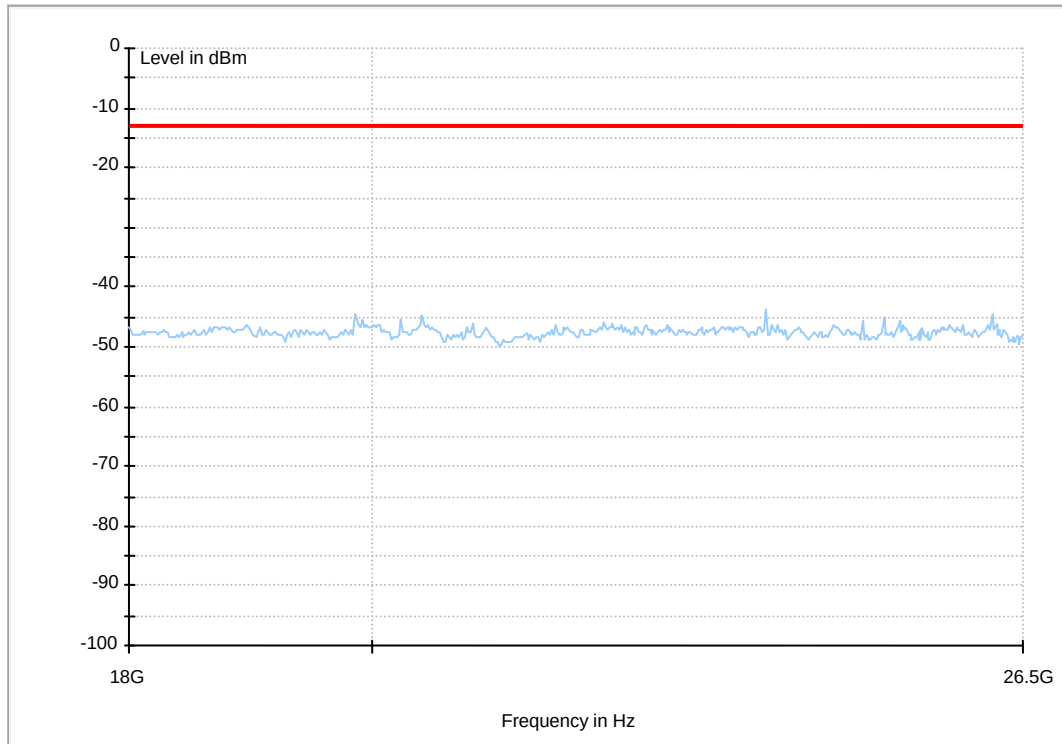


(3GHz~18GHz)





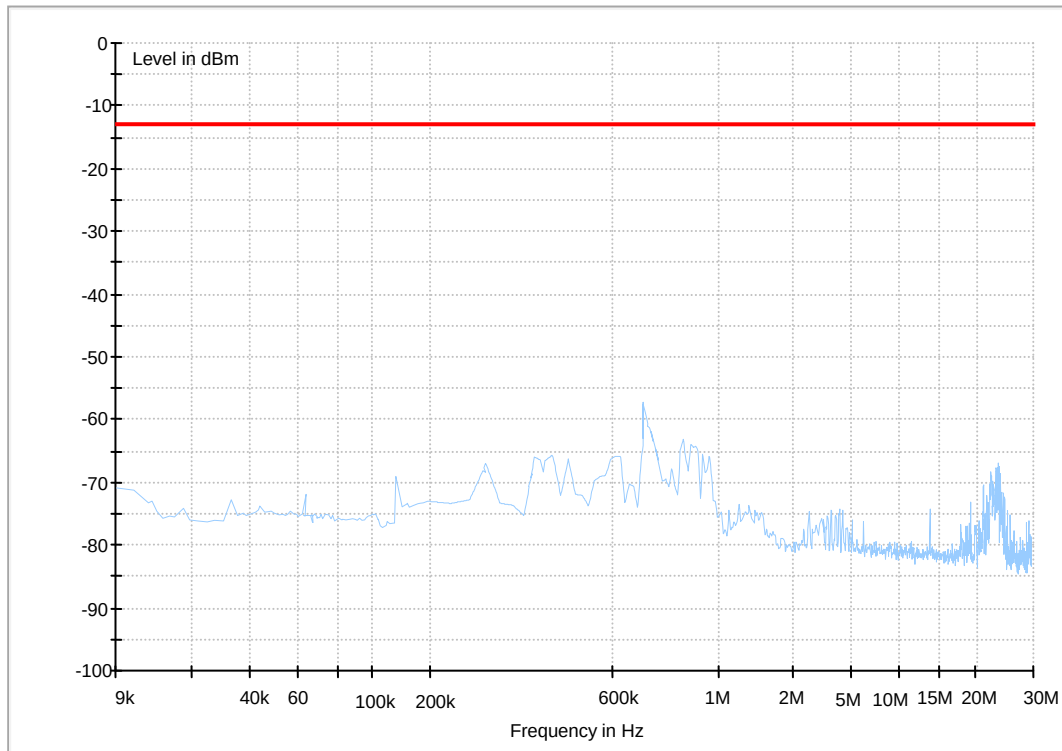
(18GHz-26.5GHz)





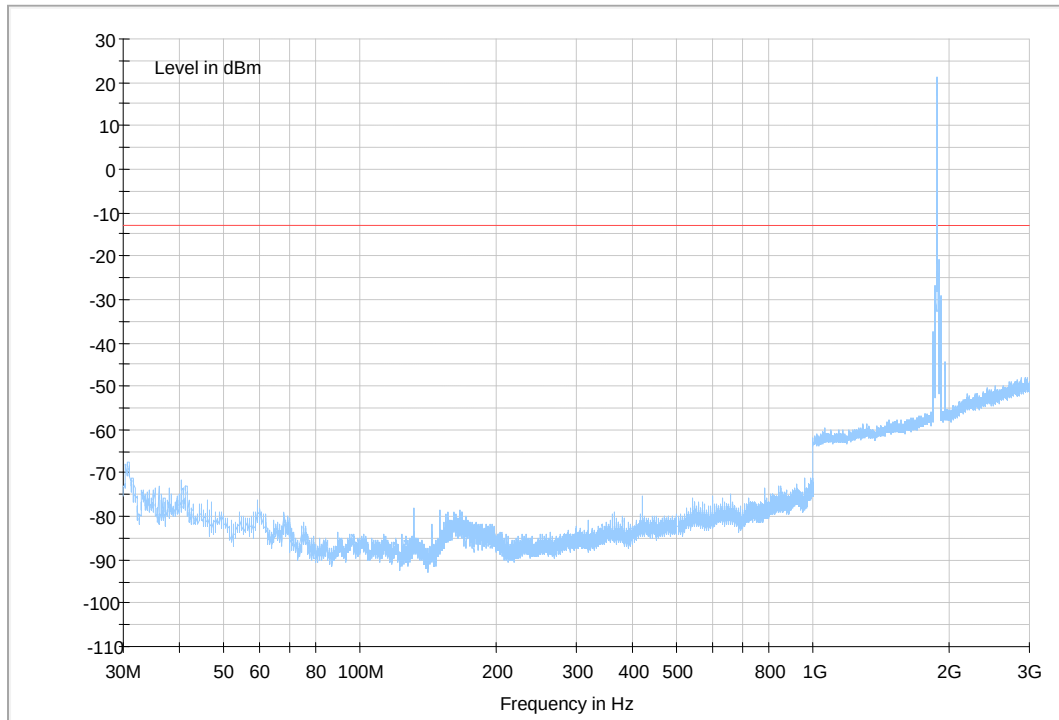
HSDPA Band II

(9kHz~30MHz)



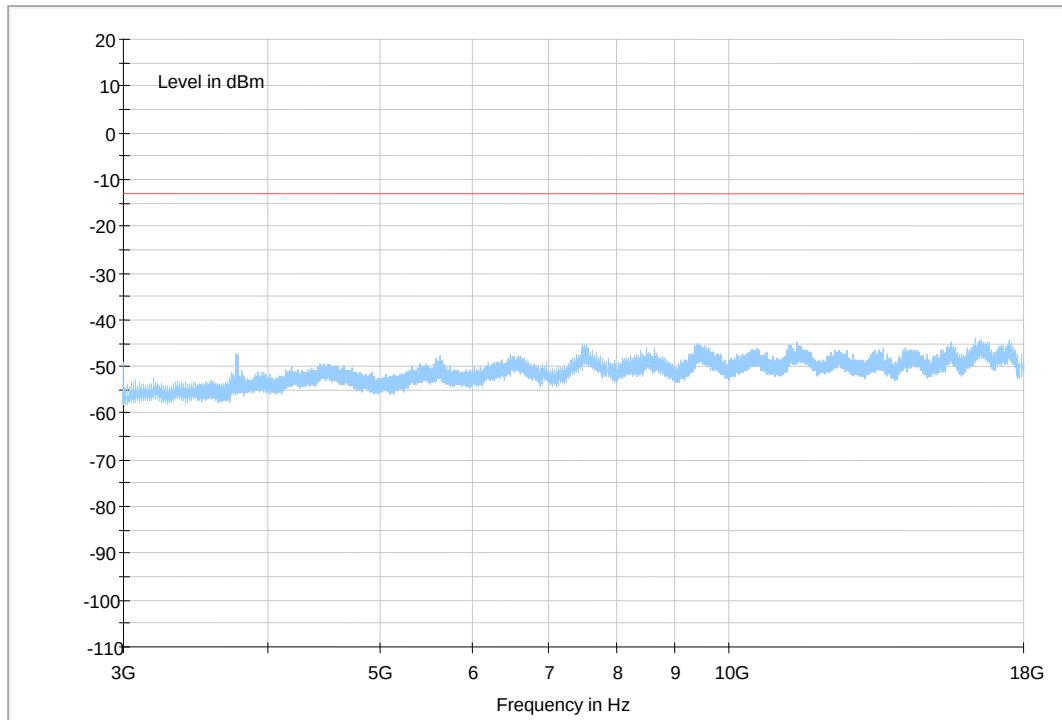


(30MHz~3GHz)



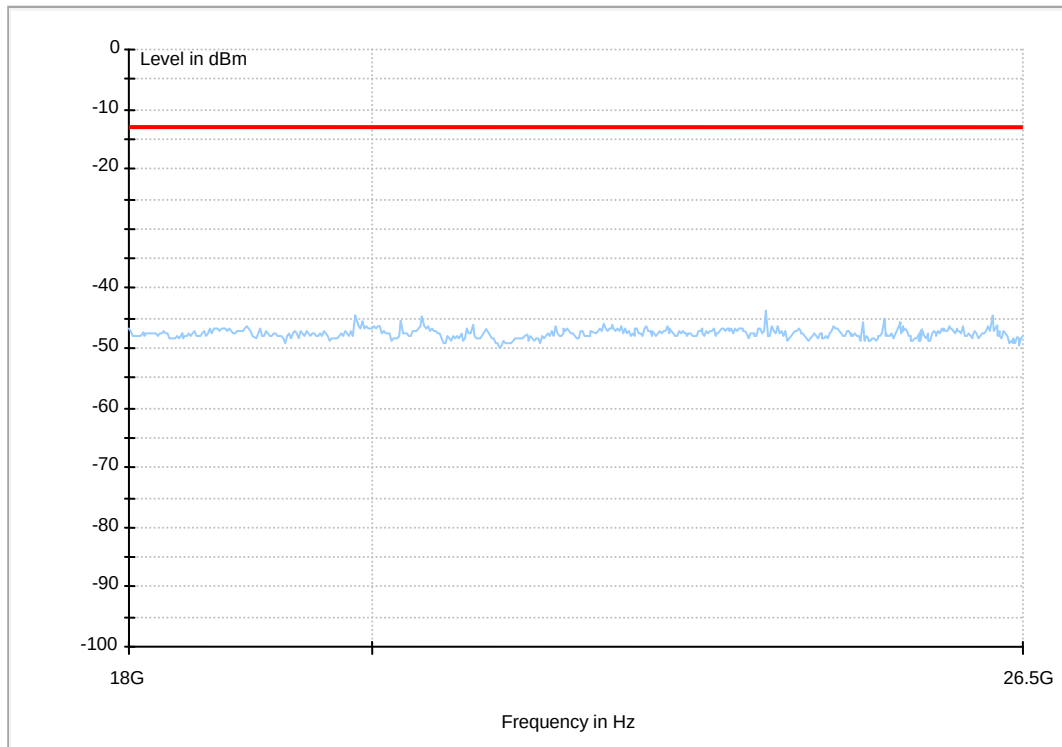


(3GHz~18GHz)





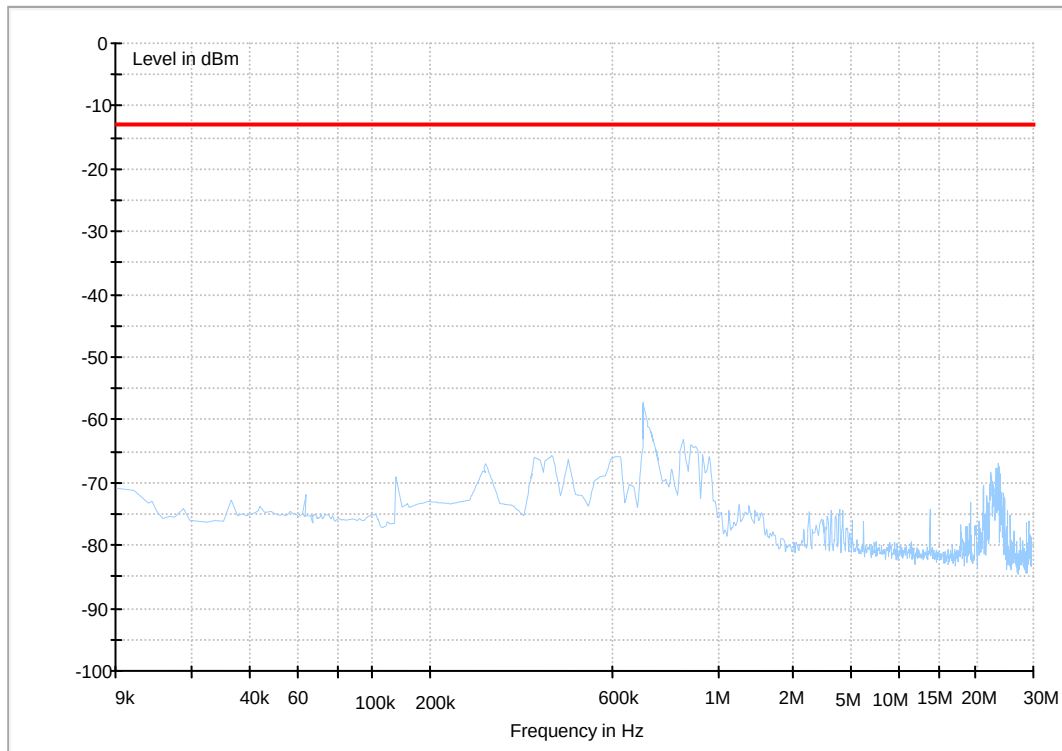
(18GHz-26.5GHz)





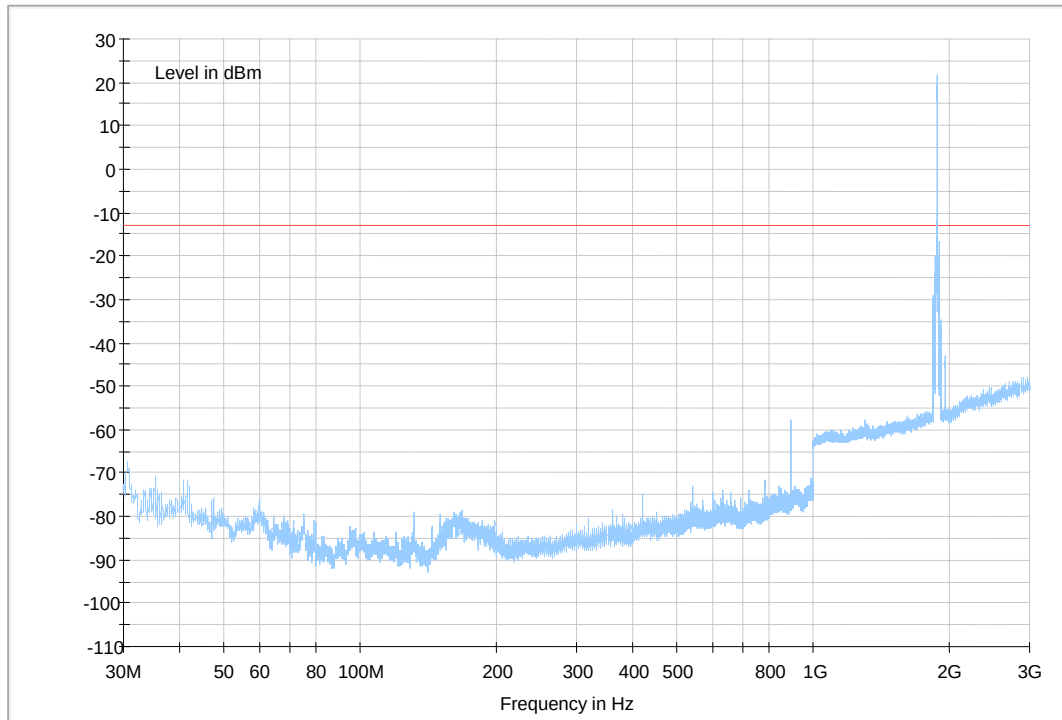
HSUPA Band II

(9KHz~30MHz)



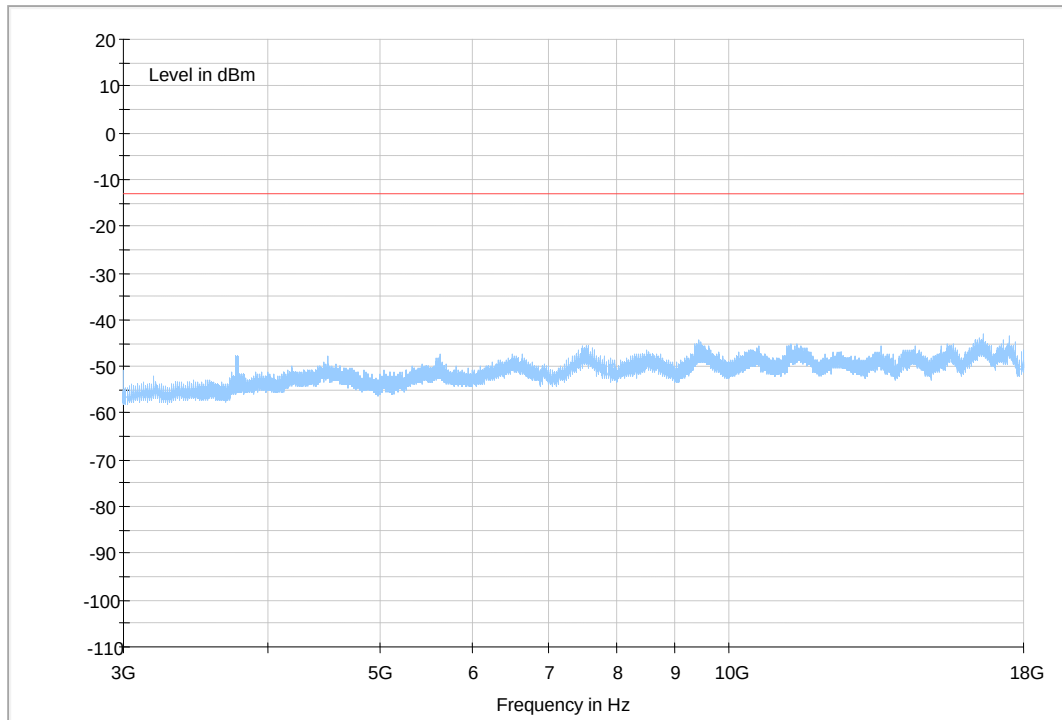


(30MHz~3GHz)



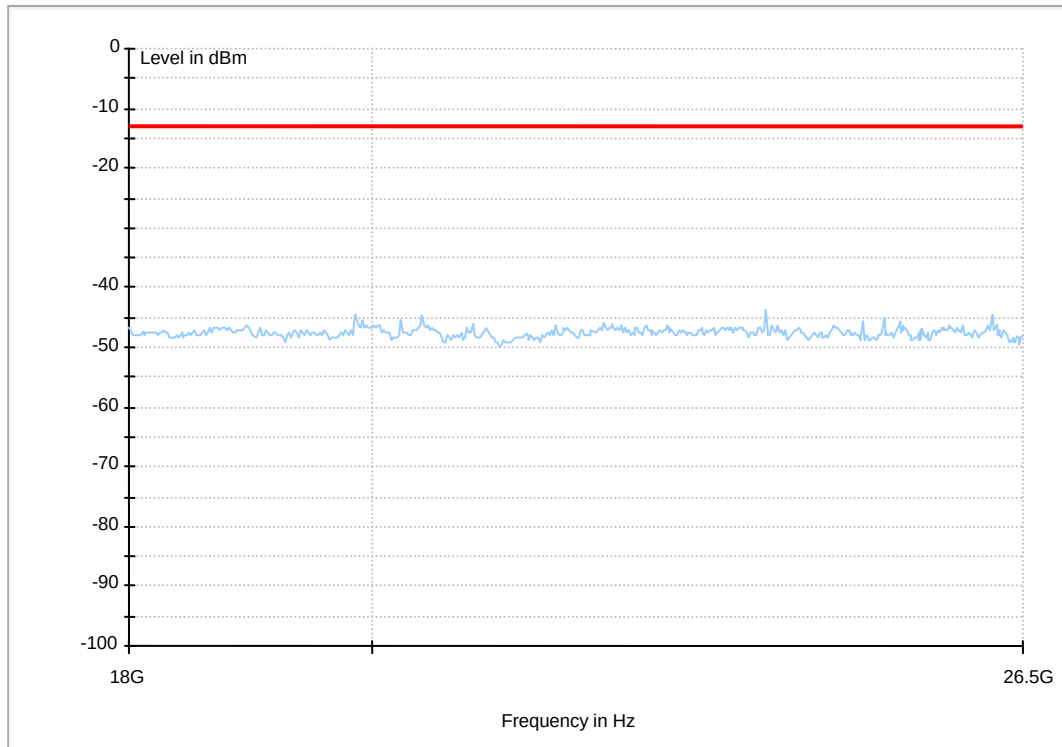


(3GHz~18GHz)





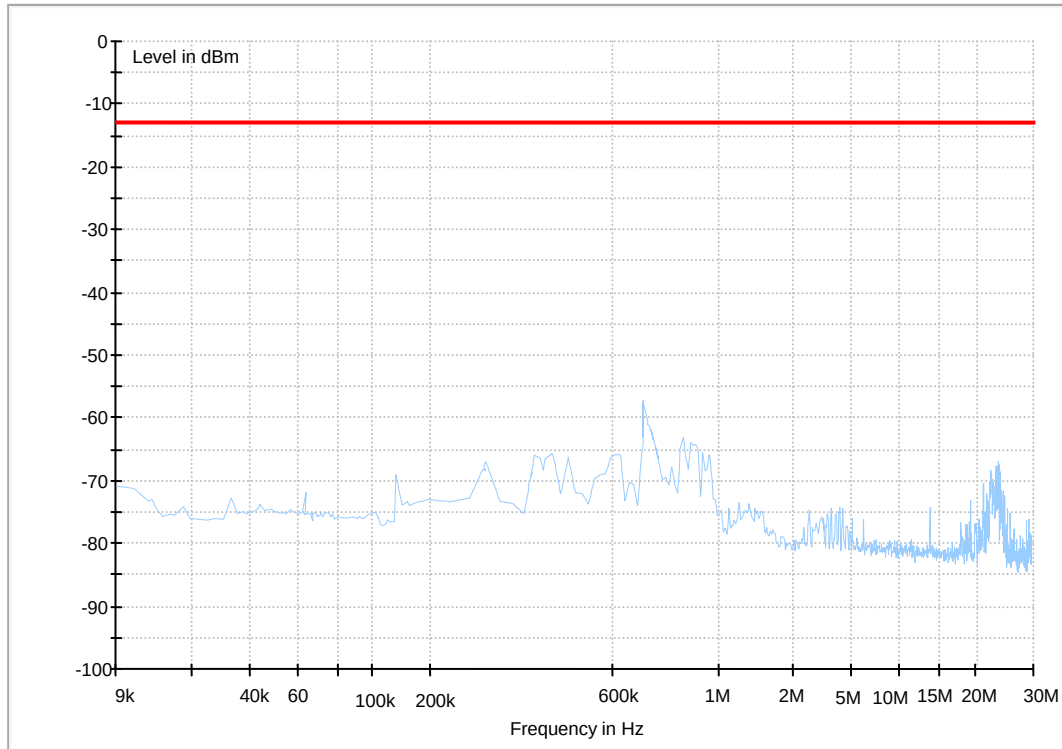
(18GHz-26.5GHz)





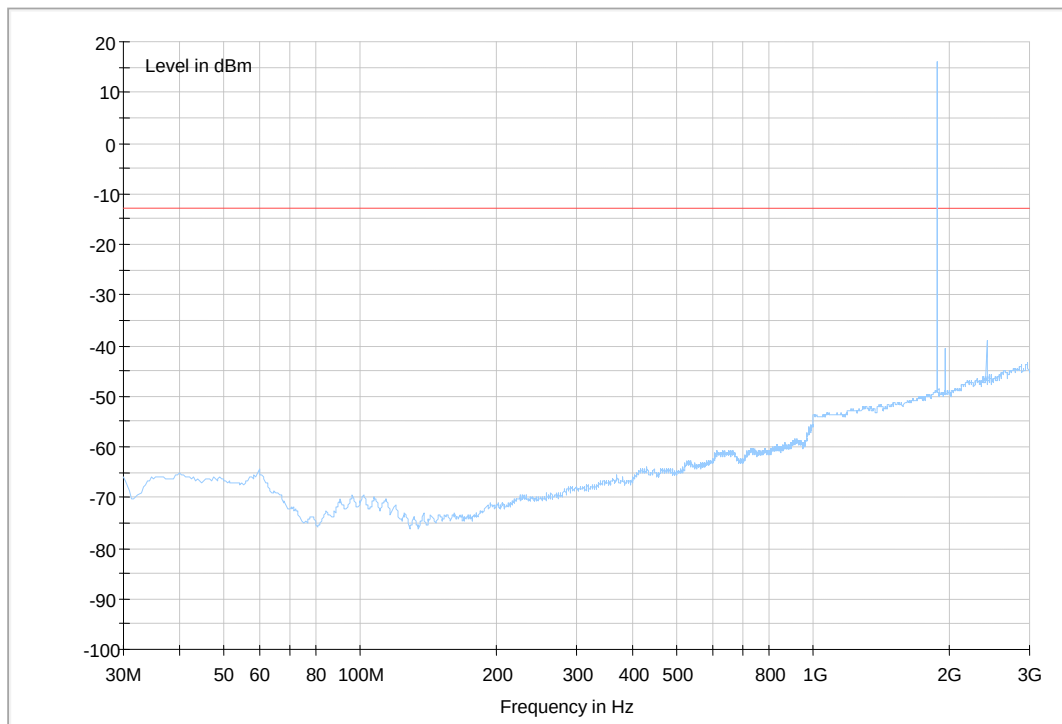
LTE-Band2-1.4MHz

(9kHz~30MHz)



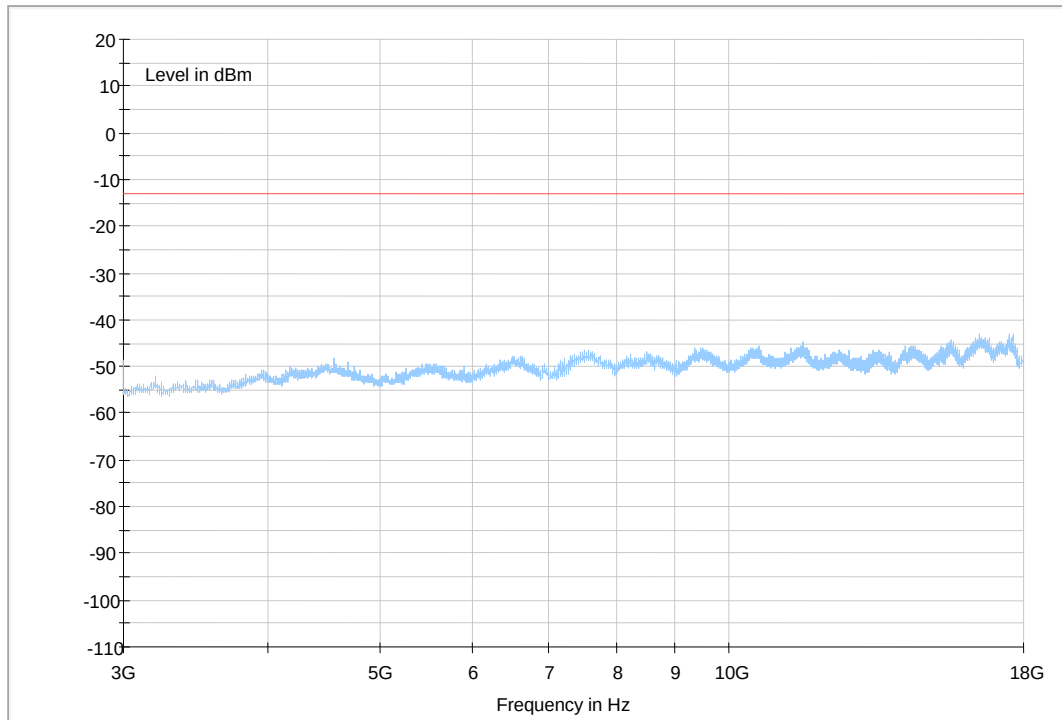


(30MHz~3GHz)



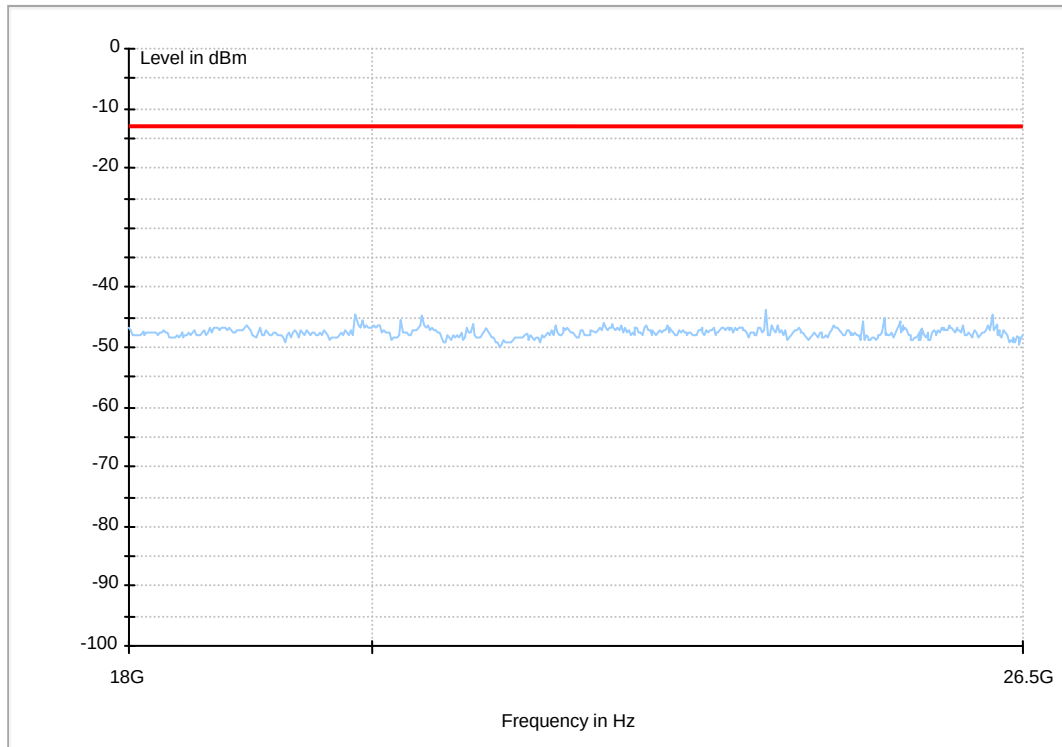


(3GHz~18GHz)





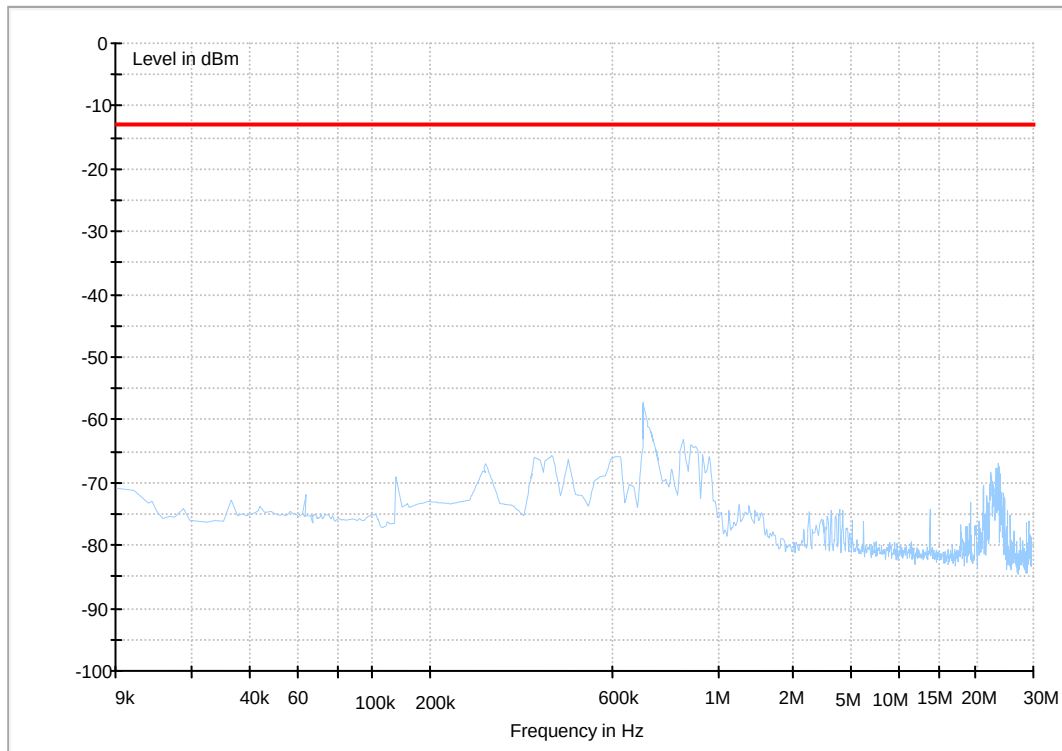
(18GHz~26.5GHz)





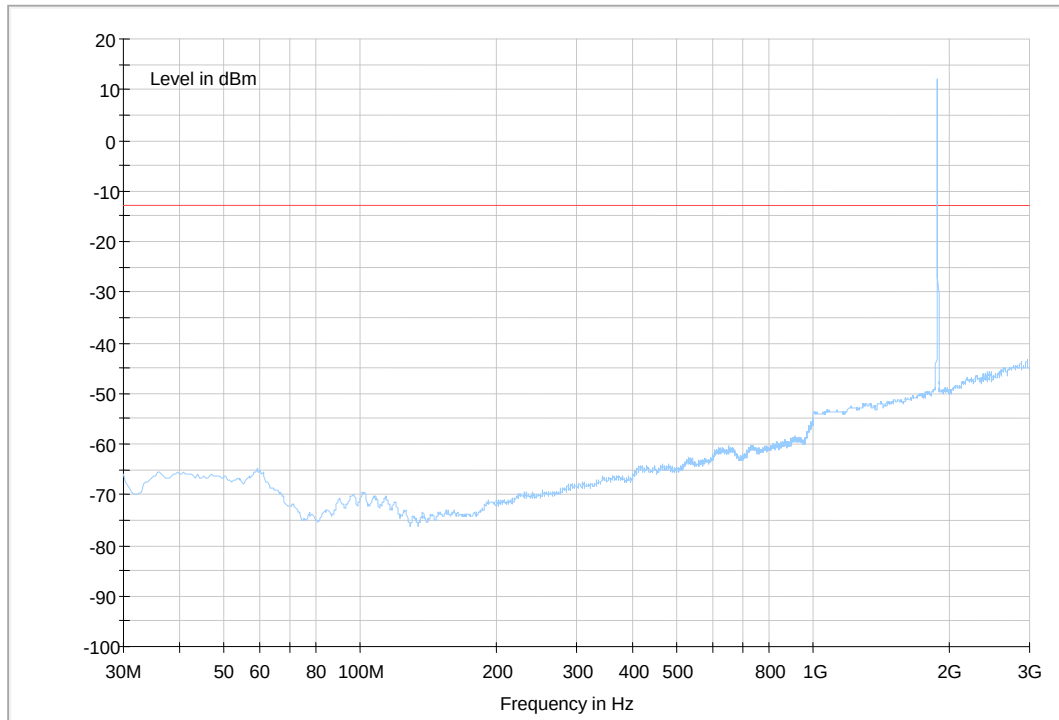
LTE-Band2-5MHz

(9kHz~30MHz)



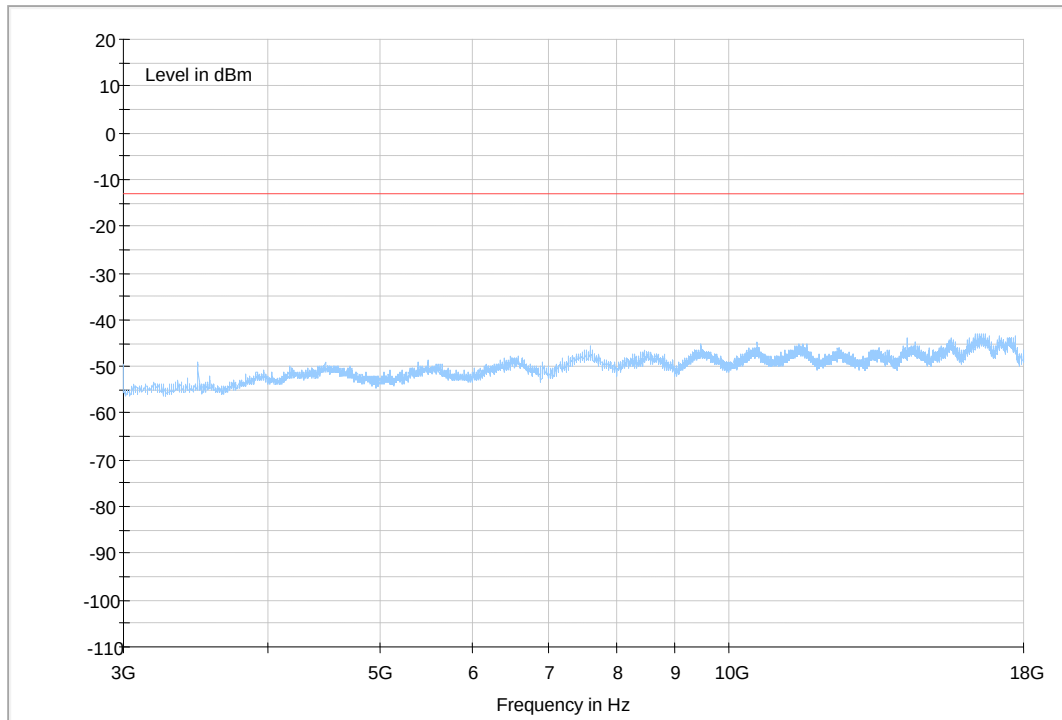


(30MHz~3GHz)



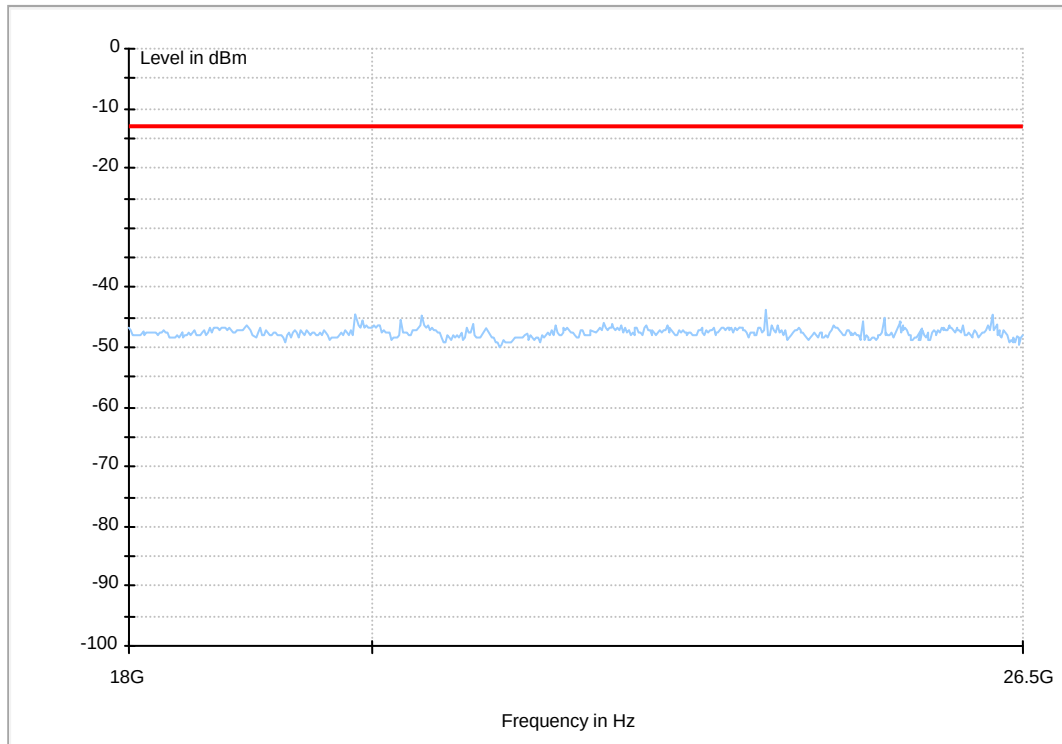


(3GHz~18GHz)





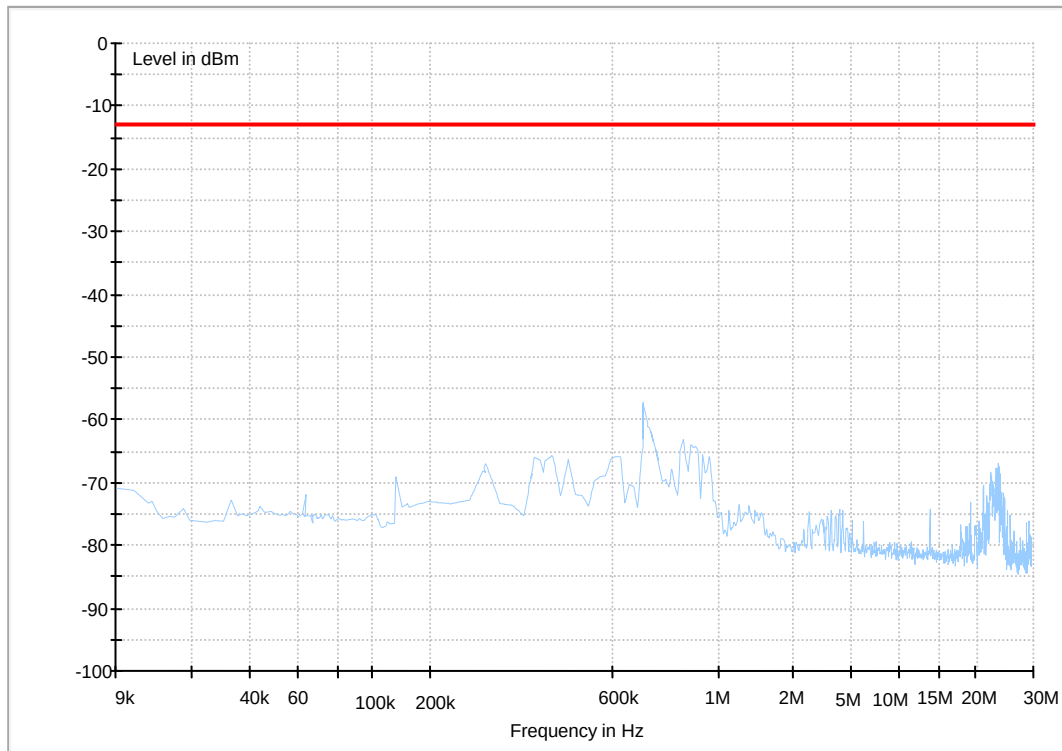
(28GHz-26.5GHz)





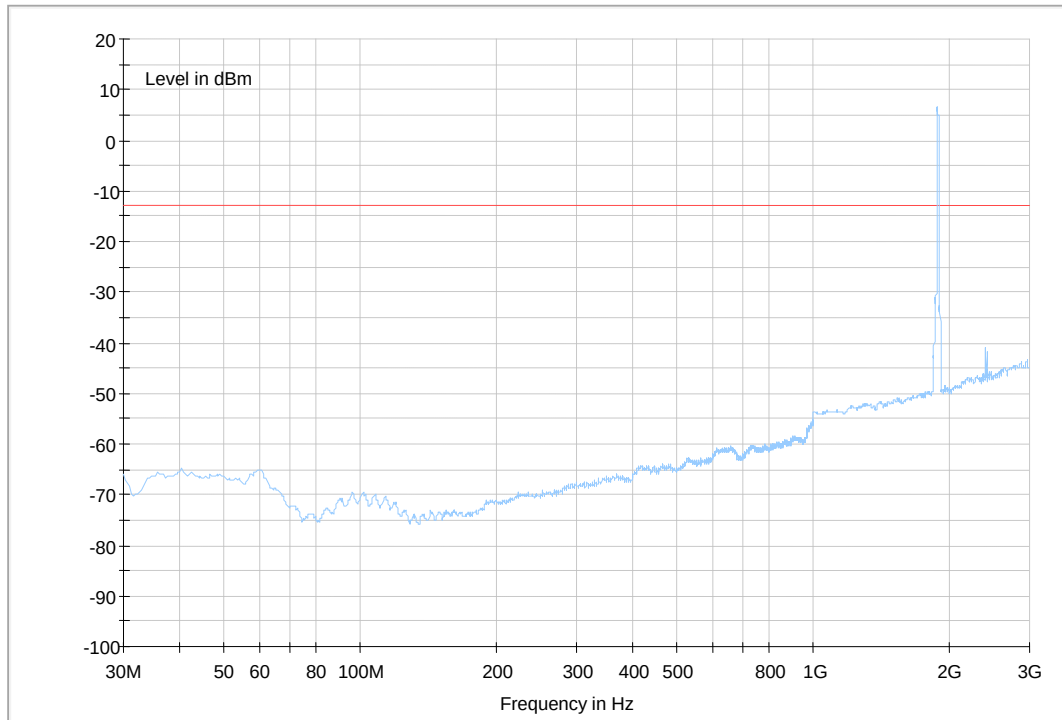
LTE-Band2-20MHz

(9kHz~30MHz)



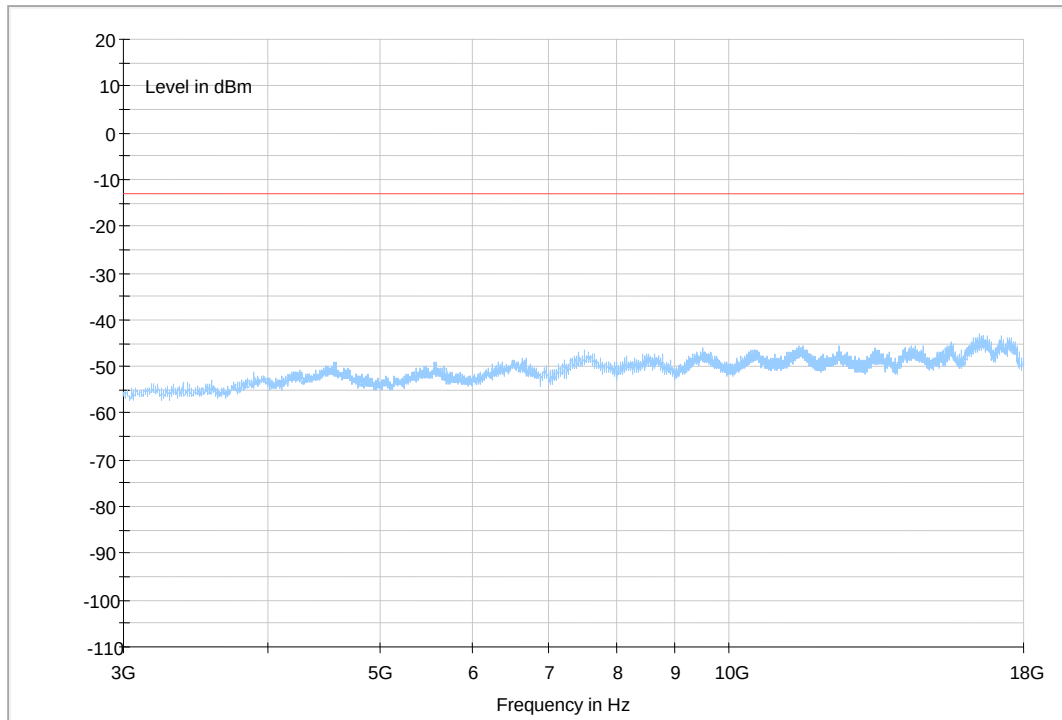


(30MHz~3GHz)



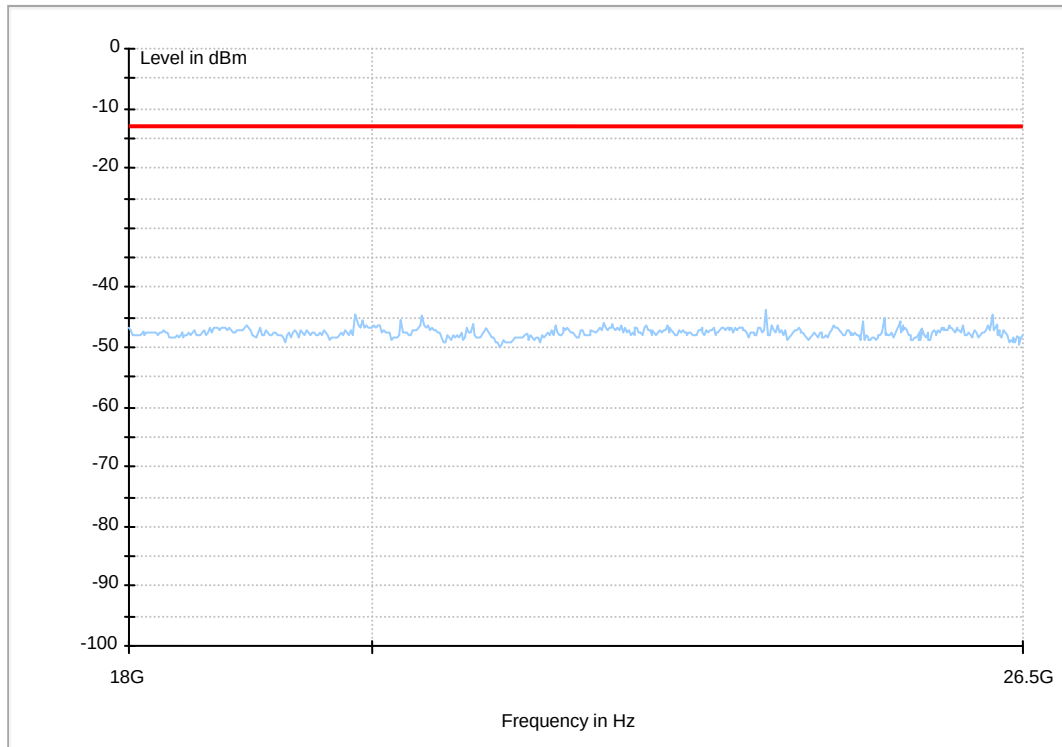


(3GHz~18GHz)





(18GHz~26.5GHz)



-----END-----



Appendix G

Frequency Stability

According to FCC Part 2.1055 & Part 24.235 & RSS-133



Frequency Error vs. Temperature:

Test Mode	RF Ch.	Volt.	Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM 1	M	VN	-30 °C	-14	-0.00745	---	±2.5	Pass
			-20 °C	-9	-0.00479	---	±2.5	Pass
			-10 °C	25	0.01330	---	±2.5	Pass
			0 °C	20	0.01064	---	±2.5	Pass
			10 °C	13	0.00691	---	±2.5	Pass
			20 °C	-21	-0.01117	---	±2.5	Pass
			30 °C	-8	-0.00426	---	±2.5	Pass
			40 °C	-20	-0.01064	---	±2.5	Pass
TM4(1.4 M)	M	VN	50 °C	27	0.01436	---	±2.5	Pass
			-30 °C	15	0.00798	---	±2.5	Pass
			-20 °C	10	0.00532	---	±2.5	Pass
			-10 °C	20	0.01064	---	±2.5	Pass
			0 °C	-12	-0.00638	---	±2.5	Pass
			10 °C	-23	-0.01223	---	±2.5	Pass
			20 °C	14	0.00745	---	±2.5	Pass
			30 °C	-8	-0.00426	---	±2.5	Pass
TM4(3M)	M	VN	40 °C	-8	-0.00426	---	±2.5	Pass
			50 °C	16	0.00851	---	±2.5	Pass
			-30 °C	-22	-0.01170	---	±2.5	Pass
			-20 °C	-19	-0.01011	---	±2.5	Pass
			-10 °C	10	0.00532	---	±2.5	Pass
			0 °C	8	0.00426	---	±2.5	Pass
			10 °C	28	0.01489	---	±2.5	Pass
			20 °C	-9	-0.00479	---	±2.5	Pass
TM4(5M)	M	VN	30 °C	-18	-0.00957	---	±2.5	Pass
			40 °C	-7	-0.00372	---	±2.5	Pass
			50 °C	-10	-0.00532	---	±2.5	Pass
			-30 °C	-20	-0.01064	---	±2.5	Pass
			-20 °C	-25	-0.01330	---	±2.5	Pass
			-10 °C	-13	-0.00691	---	±2.5	Pass
			0 °C	22	0.01170	---	±2.5	Pass
			10 °C	-8	-0.00426	---	±2.5	Pass
TM4(10)	M	VN	20 °C	9	0.00479	---	±2.5	Pass
			30 °C	-19	-0.01011	---	±2.5	Pass
			40 °C	-15	-0.00798	---	±2.5	Pass
			50 °C	-19	-0.01011	---	±2.5	Pass



M)			-20 °C	-13	-0.00691	---	±2.5	Pass
			-10 °C	10	0.00532	---	±2.5	Pass
			0 °C	-25	-0.01330	---	±2.5	Pass
			10 °C	-11	-0.00585	---	±2.5	Pass
			20 °C	-7	-0.00372	---	±2.5	Pass
			30 °C	11	0.00585	---	±2.5	Pass
			40 °C	-15	-0.00798	---	±2.5	Pass
			50 °C	27	0.01436	---	±2.5	Pass
TM4(15 M)	M	VN	-30 °C	14	0.00745	---	±2.5	Pass
			-20 °C	-15	-0.00798	---	±2.5	Pass
			-10 °C	-12	-0.00638	---	±2.5	Pass
			0 °C	-19	-0.01011	---	±2.5	Pass
			10 °C	18	0.00957	---	±2.5	Pass
			20 °C	20	0.01064	---	±2.5	Pass
			30 °C	-17	-0.00904	---	±2.5	Pass
			40 °C	18	0.00957	---	±2.5	Pass
TM4(20 M)	M	VN	50 °C	-21	-0.01117	---	±2.5	Pass
			-30 °C	15	0.00798	---	±2.5	Pass
			-20 °C	-9	-0.00479	---	±2.5	Pass
			-10 °C	-15	-0.00798	---	±2.5	Pass
			0 °C	-15	-0.00798	---	±2.5	Pass
			10 °C	9	0.00479	---	±2.5	Pass
			20 °C	-21	-0.01117	---	±2.5	Pass
			30 °C	28	0.01489	---	±2.5	Pass
TM5(1.4 M)	M	VN	40 °C	-9	-0.00479	---	±2.5	Pass
			50 °C	20	0.01064	---	±2.5	Pass
			-30 °C	20	0.01064	---	±2.5	Pass
			-20 °C	-5	-0.00266	---	±2.5	Pass
			-10 °C	3	0.00160	---	±2.5	Pass
			0 °C	10	0.00532	---	±2.5	Pass
			10 °C	12	0.00638	---	±2.5	Pass
			20 °C	-8	-0.00426	---	±2.5	Pass
TM5(3M)	M	VN	30 °C	-7	-0.00372	---	±2.5	Pass
			40 °C	14	0.00745	---	±2.5	Pass
			50 °C	10	0.00532	---	±2.5	Pass
			-30 °C	-6	-0.00319	---	±2.5	Pass
			-20 °C	-5	-0.00266	---	±2.5	Pass
			-10 °C	13	0.00691	---	±2.5	Pass
			0 °C	11	0.00585	---	±2.5	Pass
			10 °C	-9	-0.00479	---	±2.5	Pass
			20 °C	14	0.00745	---	±2.5	Pass
			30 °C	-5	-0.00266	---	±2.5	Pass
			40 °C	8	0.00426	---	±2.5	Pass
			50 °C	-6	-0.00319	---	±2.5	Pass



TM5(5M)	M	VN	-30 °C	14	0.00745	---	±2.5	Pass
			-20 °C	-7	-0.00372	---	±2.5	Pass
			-10 °C	-13	-0.00691	---	±2.5	Pass
			0 °C	12	0.00638	---	±2.5	Pass
			10 °C	11	0.00585	---	±2.5	Pass
			20 °C	15	0.00798	---	±2.5	Pass
			30 °C	10	0.00532	---	±2.5	Pass
			40 °C	-9	-0.00479	---	±2.5	Pass
			50 °C	31	0.01649	---	±2.5	Pass
TM5(10 M)	M	VN	-30 °C	-11	-0.00585	---	±2.5	Pass
			-20 °C	25	0.01330	---	±2.5	Pass
			-10 °C	12	0.00638	---	±2.5	Pass
			0 °C	24	0.01277	---	±2.5	Pass
			10 °C	-7	-0.00372	---	±2.5	Pass
			20 °C	-16	-0.00851	---	±2.5	Pass
			30 °C	14	0.00745	---	±2.5	Pass
			40 °C	-11	-0.00585	---	±2.5	Pass
			50 °C	12	0.00638	---	±2.5	Pass
TM5(15 M)	M	VN	-30 °C	11	0.00585	---	±2.5	Pass
			-20 °C	19	0.01011	---	±2.5	Pass
			-10 °C	19	0.01011	---	±2.5	Pass
			0 °C	-16	-0.00851	---	±2.5	Pass
			10 °C	20	0.01064	---	±2.5	Pass
			20 °C	-5	-0.00266	---	±2.5	Pass
			30 °C	3	0.00160	---	±2.5	Pass
			40 °C	10	0.00532	---	±2.5	Pass
			50 °C	12	0.00638	---	±2.5	Pass
TM5(20 M)	M	VN	-30 °C	20	0.01064	---	±2.5	Pass
			-20 °C	13	0.00691	---	±2.5	Pass
			-10 °C	-21	-0.01117	---	±2.5	Pass
			0 °C	-8	-0.00426	---	±2.5	Pass
			10 °C	-20	-0.01064	---	±2.5	Pass
			20 °C	27	0.01436	---	±2.5	Pass
			30 °C	15	0.00798	---	±2.5	Pass
			40 °C	10	0.00532	---	±2.5	Pass
			50 °C	20	0.01064	---	±2.5	Pass



Frequency Error vs. Voltage:

Test Mode	RF Ch.	Temp.	Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM 1	M	20 °C	VL	-11	-0.00585	---	±2.5	Pass
			VN	12	0.00638	---	±2.5	Pass
			VH	21	0.01117	---	±2.5	Pass
TM4(1.4 M)	M	20 °C	VL	20	0.01064	---	±2.5	Pass
			VN	-10	-0.00532	---	±2.5	Pass
			VH	-16	-0.00851	---	±2.5	Pass
TM4(3M)	M	20 °C	VL	13	0.00691	---	±2.5	Pass
			VN	26	0.01383	---	±2.5	Pass
			VH	-22	-0.01170	---	±2.5	Pass
TM4(5M)	M	20 °C	VL	25	0.01330	---	±2.5	Pass
			VN	12	0.00638	---	±2.5	Pass
			VH	24	0.01277	---	±2.5	Pass
TM4(10 M)	M	20 °C	VL	-7	-0.00372	---	±2.5	Pass
			VN	-16	-0.00851	---	±2.5	Pass
			VH	14	0.00745	---	±2.5	Pass
TM4(15 M)	M	20 °C	VL	-11	-0.00585	---	±2.5	Pass
			VN	12	0.00638	---	±2.5	Pass
			VH	11	0.00585	---	±2.5	Pass
TM4(20 M)	M	20 °C	VL	19	0.01011	---	±2.5	Pass
			VN	19	0.01011	---	±2.5	Pass
			VH	-16	-0.00851	---	±2.5	Pass
TM5(1.4 M)	M	20 °C	VL	20	0.01064	---	±2.5	Pass
			VN	-5	-0.00266	---	±2.5	Pass
			VH	3	0.00160	---	±2.5	Pass
TM5(3M)	M	20 °C	VL	10	0.00532	---	±2.5	Pass
			VN	12	0.00638	---	±2.5	Pass
			VH	-8	-0.00426	---	±2.5	Pass
TM5(5M)	M	20 °C	VL	-7	-0.00372	---	±2.5	Pass
			VN	14	0.00745	---	±2.5	Pass
			VH	10	0.00532	---	±2.5	Pass
TM5(10 M)	M	20 °C	VL	-6	-0.00319	---	±2.5	Pass
			VN	-5	-0.00266	---	±2.5	Pass
			VH	13	0.00691	---	±2.5	Pass
TM5(15 M)	M	20 °C	VL	11	0.00585	---	±2.5	Pass
			VN	-9	-0.00479	---	±2.5	Pass
			VH	14	0.00745	---	±2.5	Pass



Test Mode	RF Ch.	Temp.	Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM5(20 M)	M	20 °C	VL	-5	-0.00266	---	±2.5	Pass
			VN	8	0.00426	---	±2.5	Pass
			VH	-6	-0.00319	---	±2.5	Pass

-----The END-----



FCC Test Report of B890-66
FCC ID: QISB890
IC: 6369A-B890



Appendix H

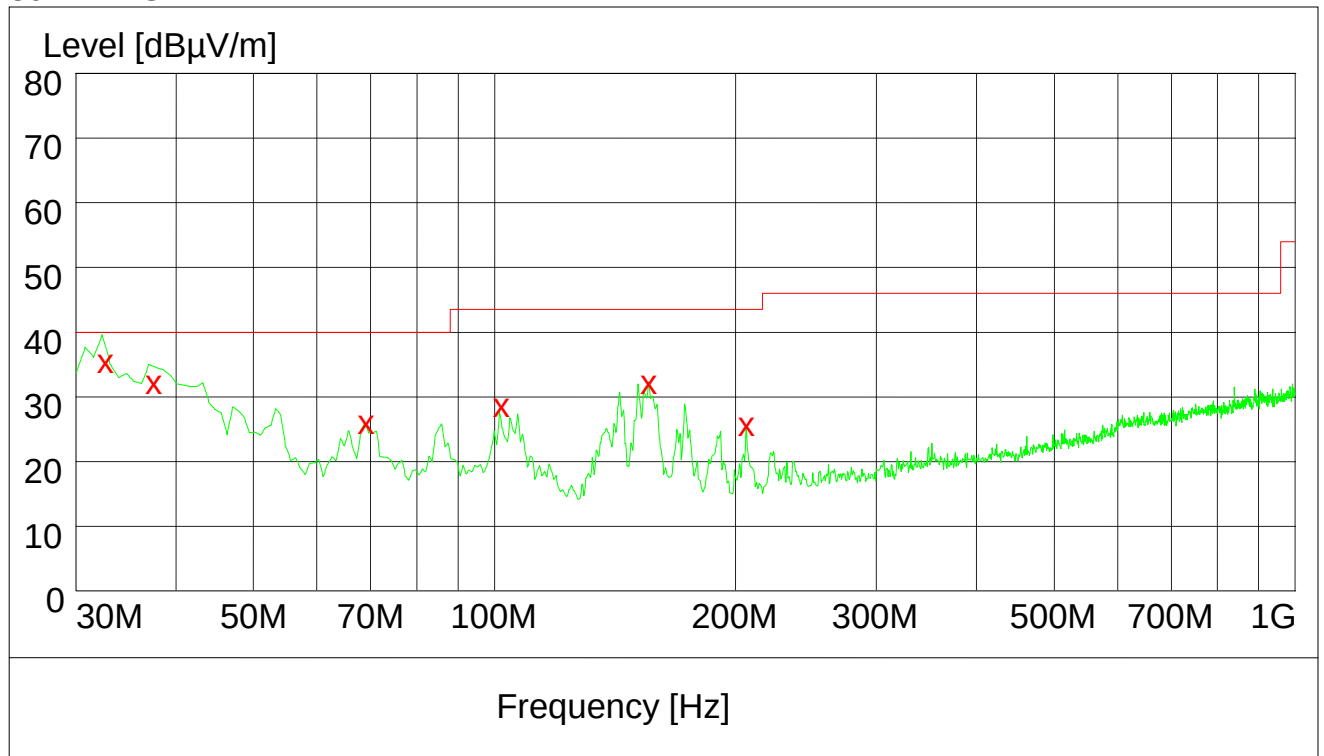
Receiver Spurious Emissions

According to RSS-133



This test was carried out in all the test modes, Here only the worst test result was shown.

30MHz-1GHz

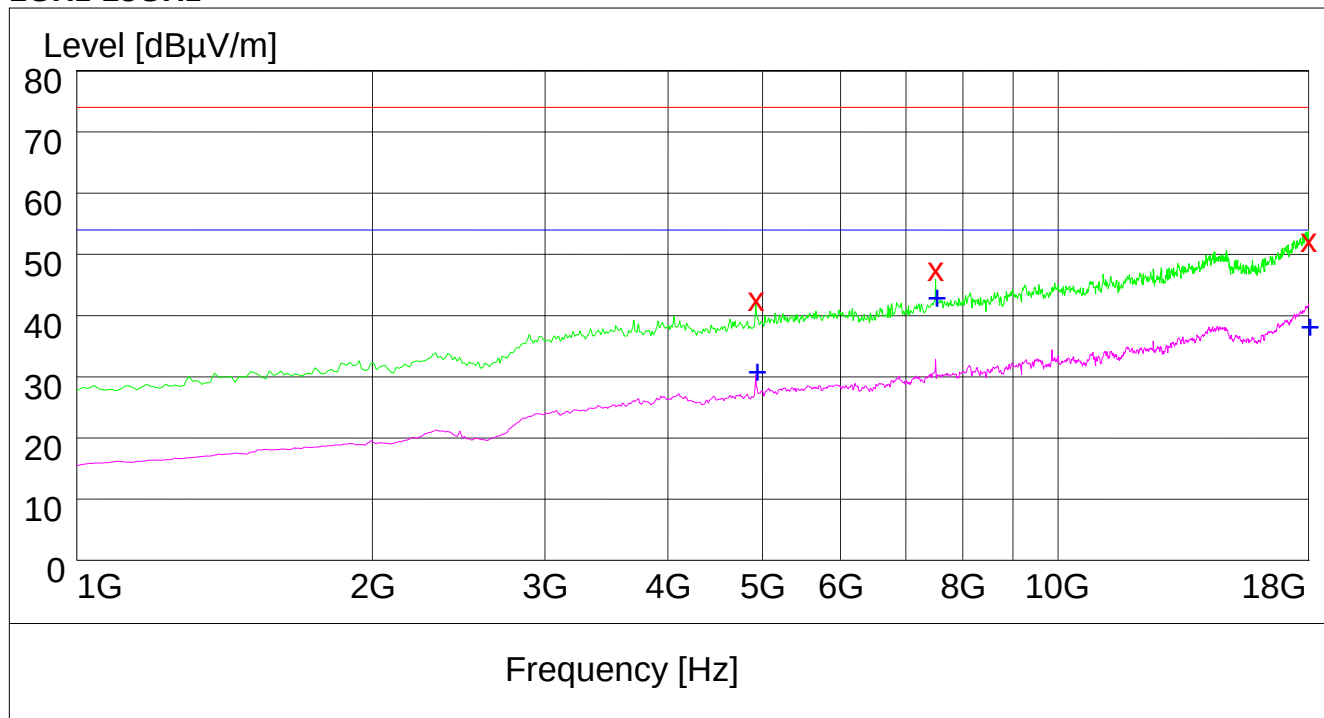


MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
32.640000	35.80	14.7	40.0	4.2	100.0	359.00	VERTICAL
37.500000	32.50	15.2	40.0	7.5	114.0	341.00	VERTICAL
69.120000	26.60	11.1	40.0	13.4	136.0	85.00	VERTICAL
101.880000	28.00	13.4	43.5	15.5	109.0	263.00	VERTICAL
155.640000	31.90	10.0	43.5	11.6	100.0	84.00	VERTICAL
206.220000	26.30	12.4	43.5	17.2	163.0	326.00	HORIZONTAL



1GHz-18GHz



MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
4923.800000	42.80	-2.5	74.0	31.2	100.0	46.00	VERTICAL
7500.300000	48.00	3.7	74.0	26.0	100.0	318.00	HORIZONTAL
17992.400000	52.00	19.4	74.0	22.0	100.0	280.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
4923.800000	31.20	-2.5	54.0	22.8	100.0	24.00	VERTICAL
7500.300000	43.60	3.7	54.0	10.4	100.0	316.00	HORIZONTAL
17993.500000	38.20	19.4	54.0	15.8	100.0	216.00	VERTICAL

-----The END-----