



Appendix D

Band Edges Compliance

According to FCC Part 2.1051 & 27.53(h) & RSS-139



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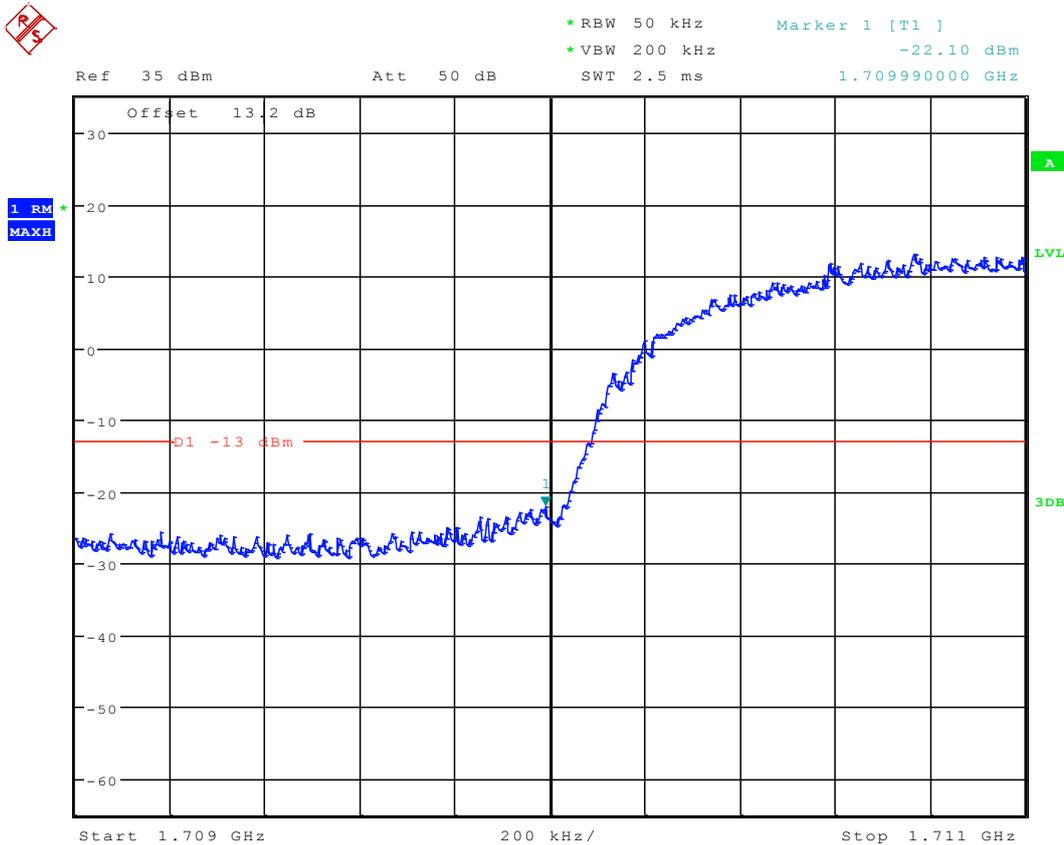
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1 For Band 4

1.1 Test Mode=TM1

1.1.1 Channel = B



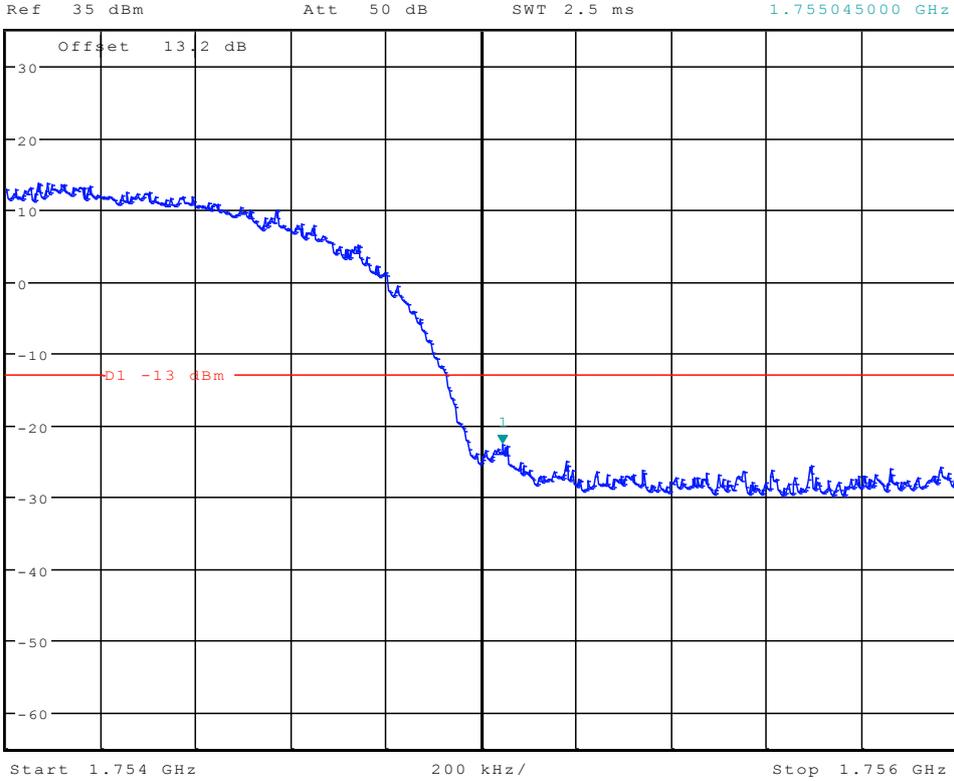
Date: 11.AUG.2012 17:19:17



1.1.2 Channel = T



*RBW 50 kHz Marker 1 [T1]
*VBW 200 kHz -22.63 dBm
SWT 2.5 ms 1.755045000 GHz



Date: 11.AUG.2012 17:19:30



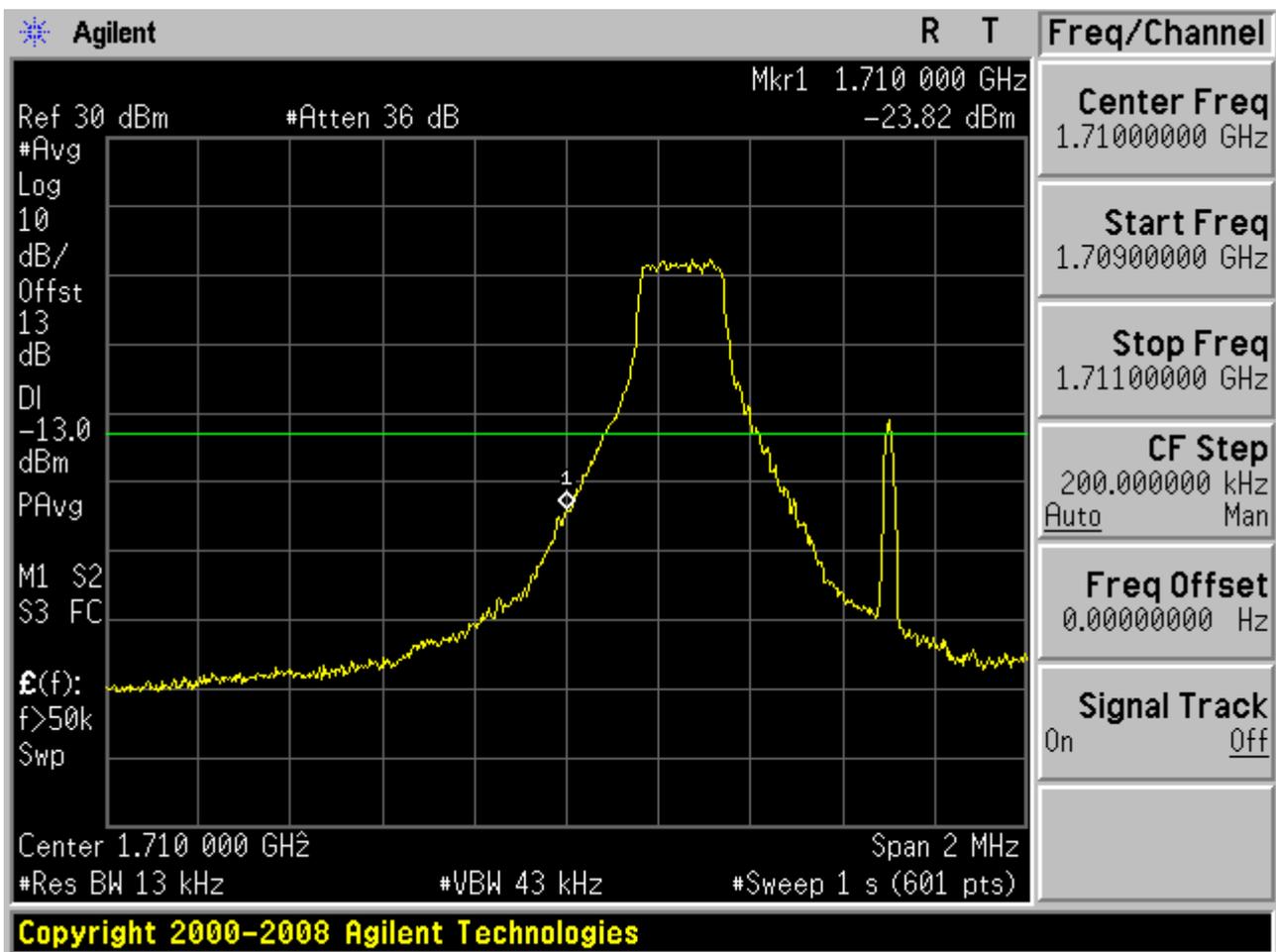
2 For Band 4

2.1 Test Mode=TM4

2.1.1 Channel Bandwidth = 1.4 MHz

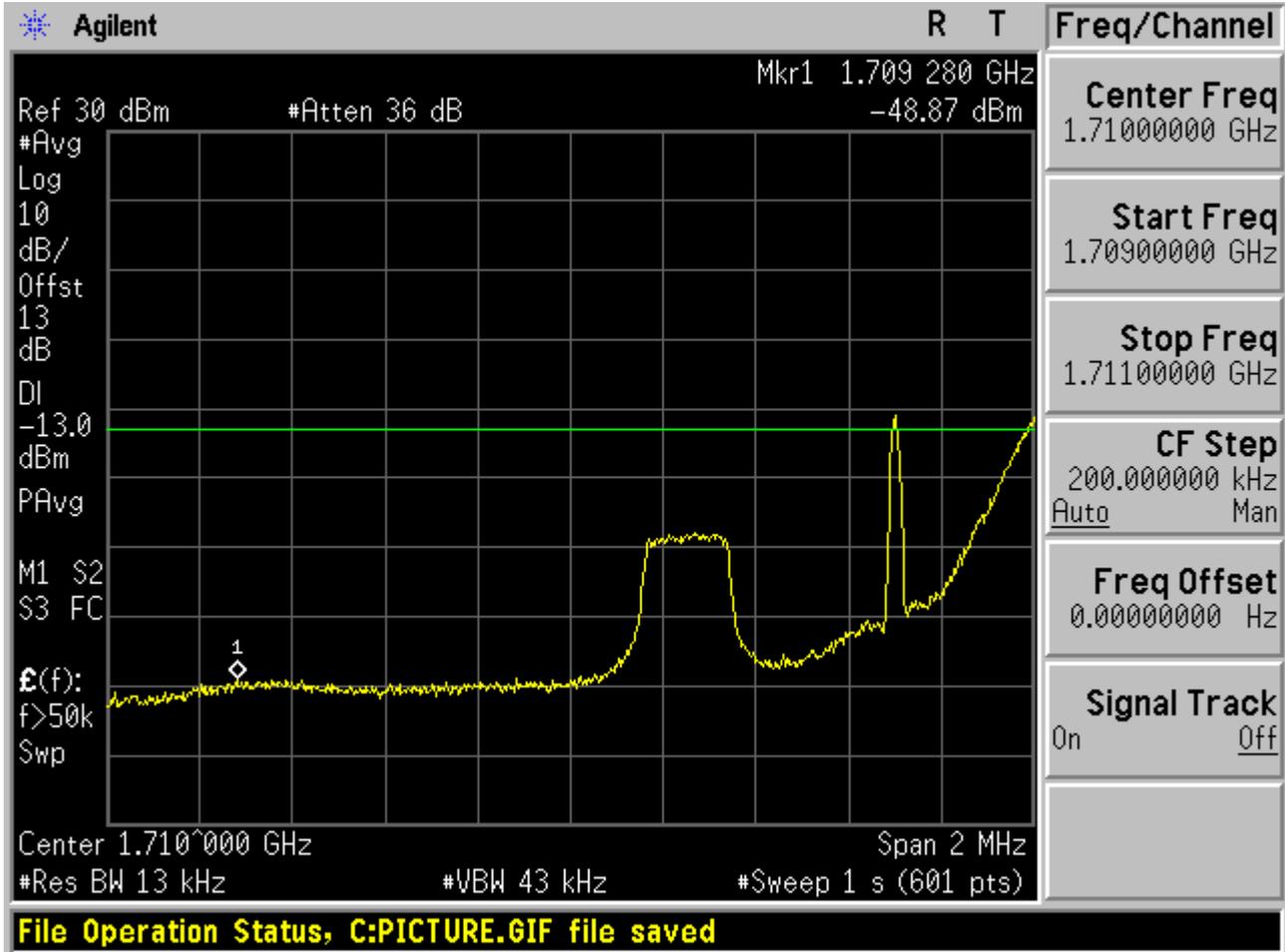
2.1.1.1 Channel= B

2.1.1.1.1 QPSK/1RB # 0



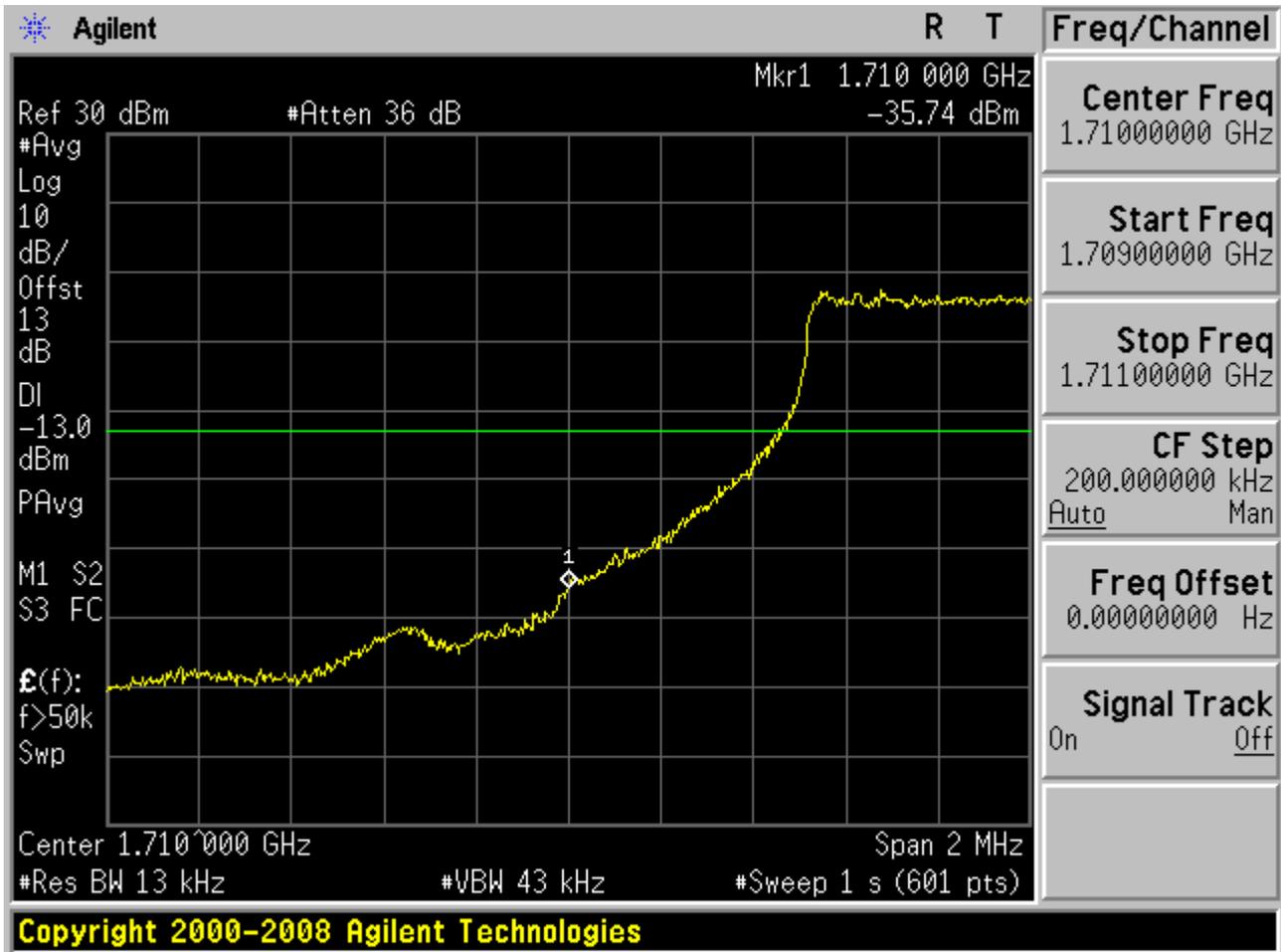


2.1.1.1.2 QPSK/1RB # max



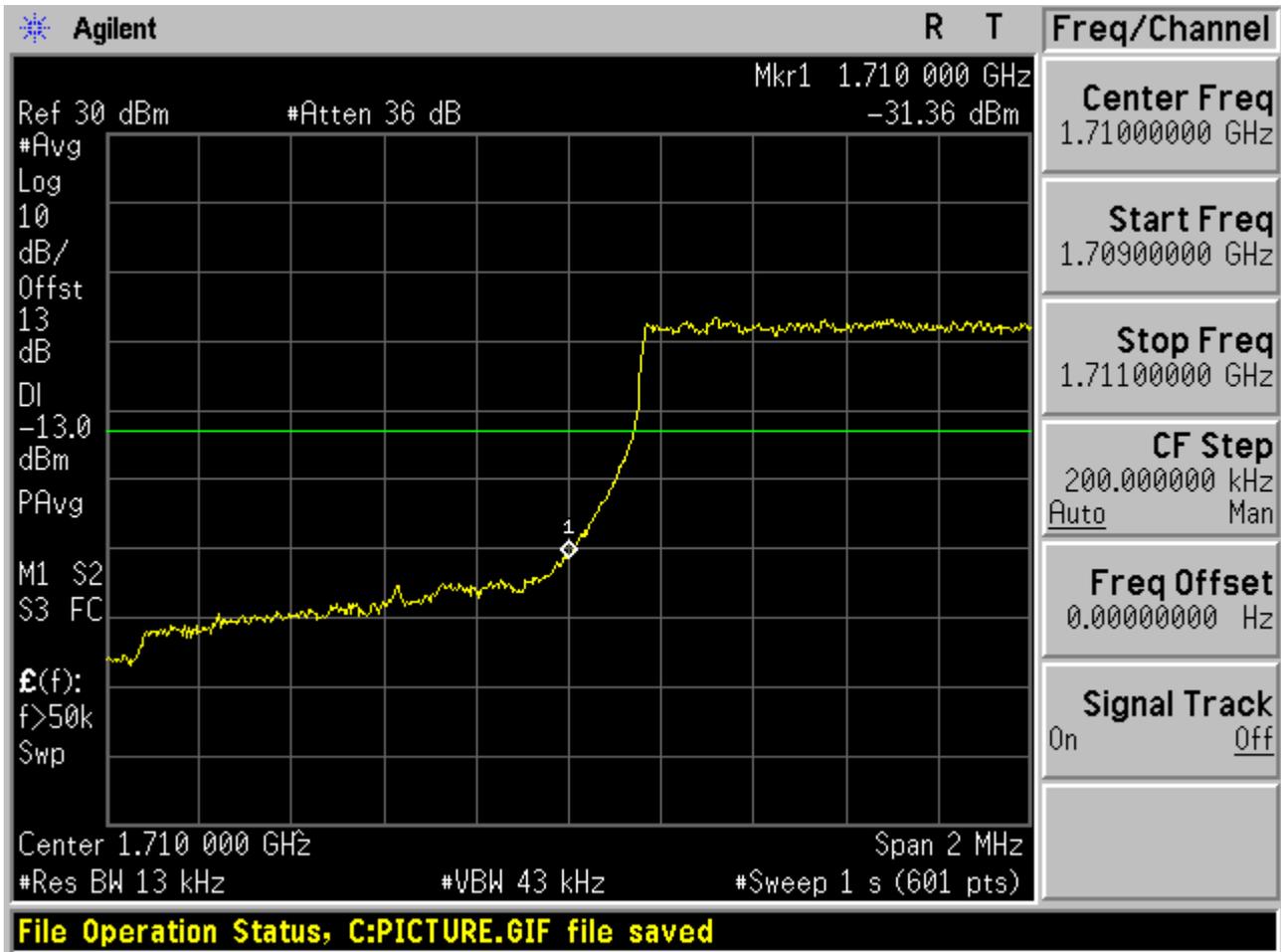


2.1.1.1.3 QPSK/non-1RB #mid/2





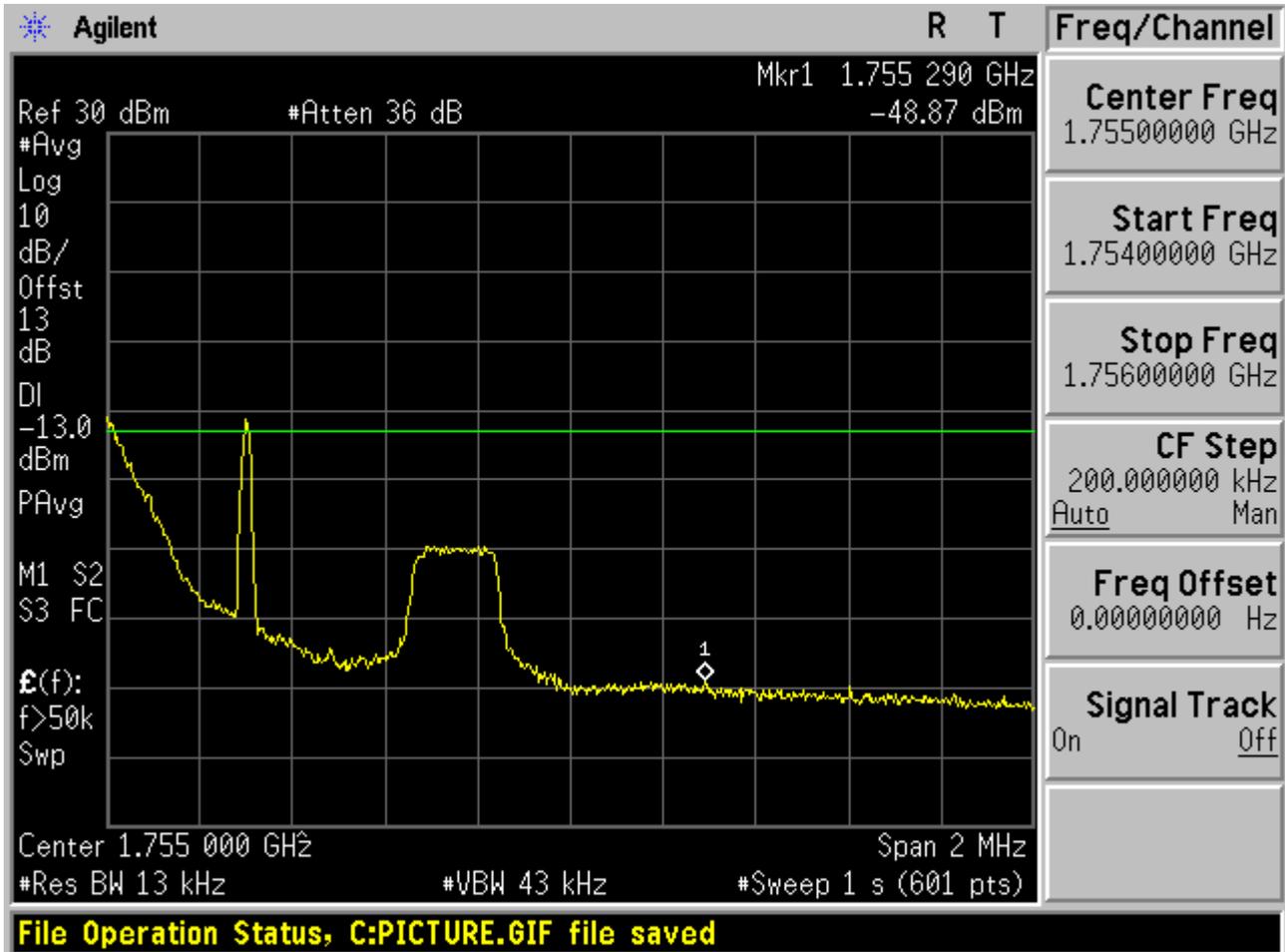
2.1.1.1.4 QPSK/full RBs





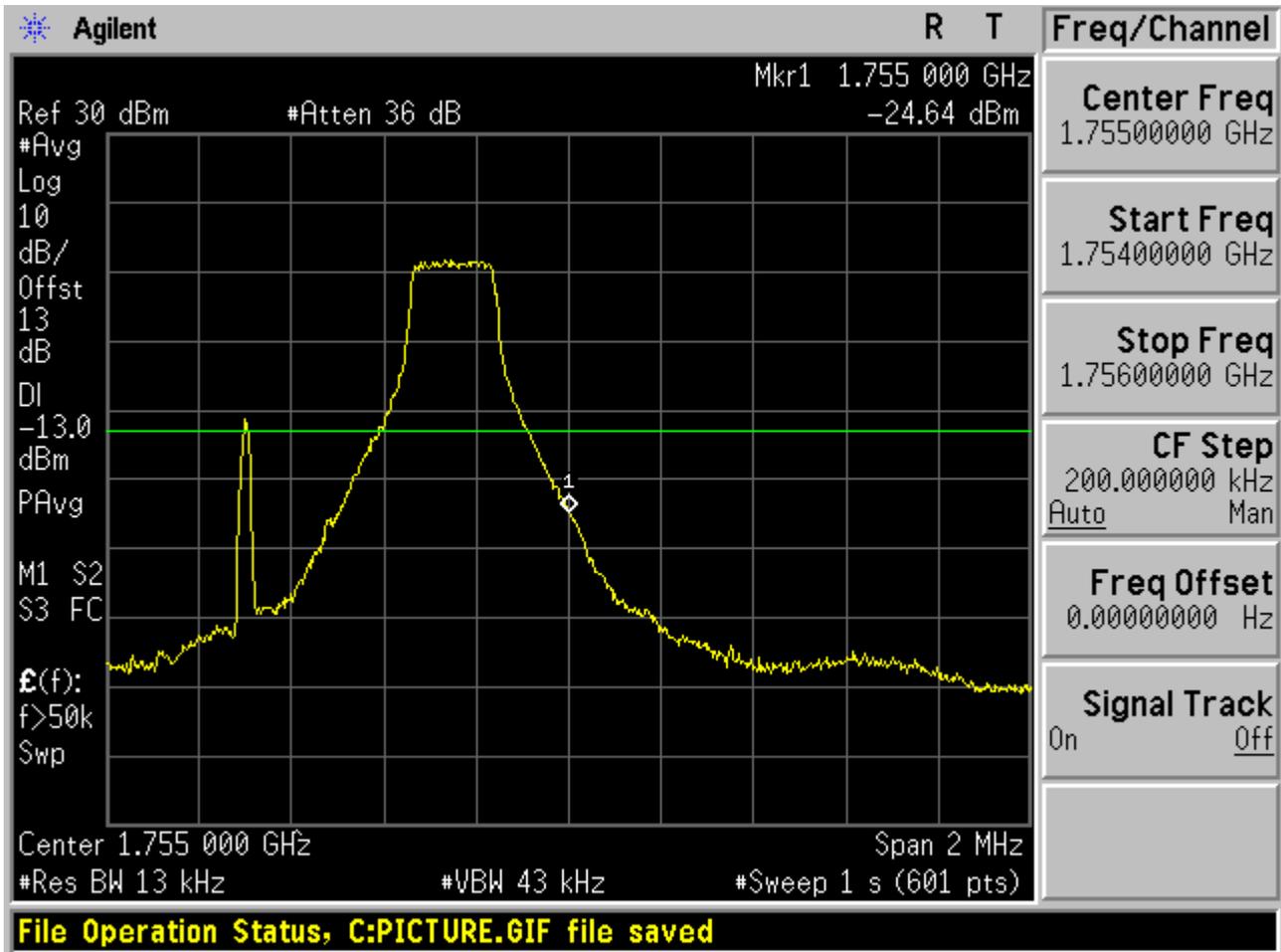
2.1.1.2 Channel= T

2.1.1.2.1 QPSK/1RB # 0



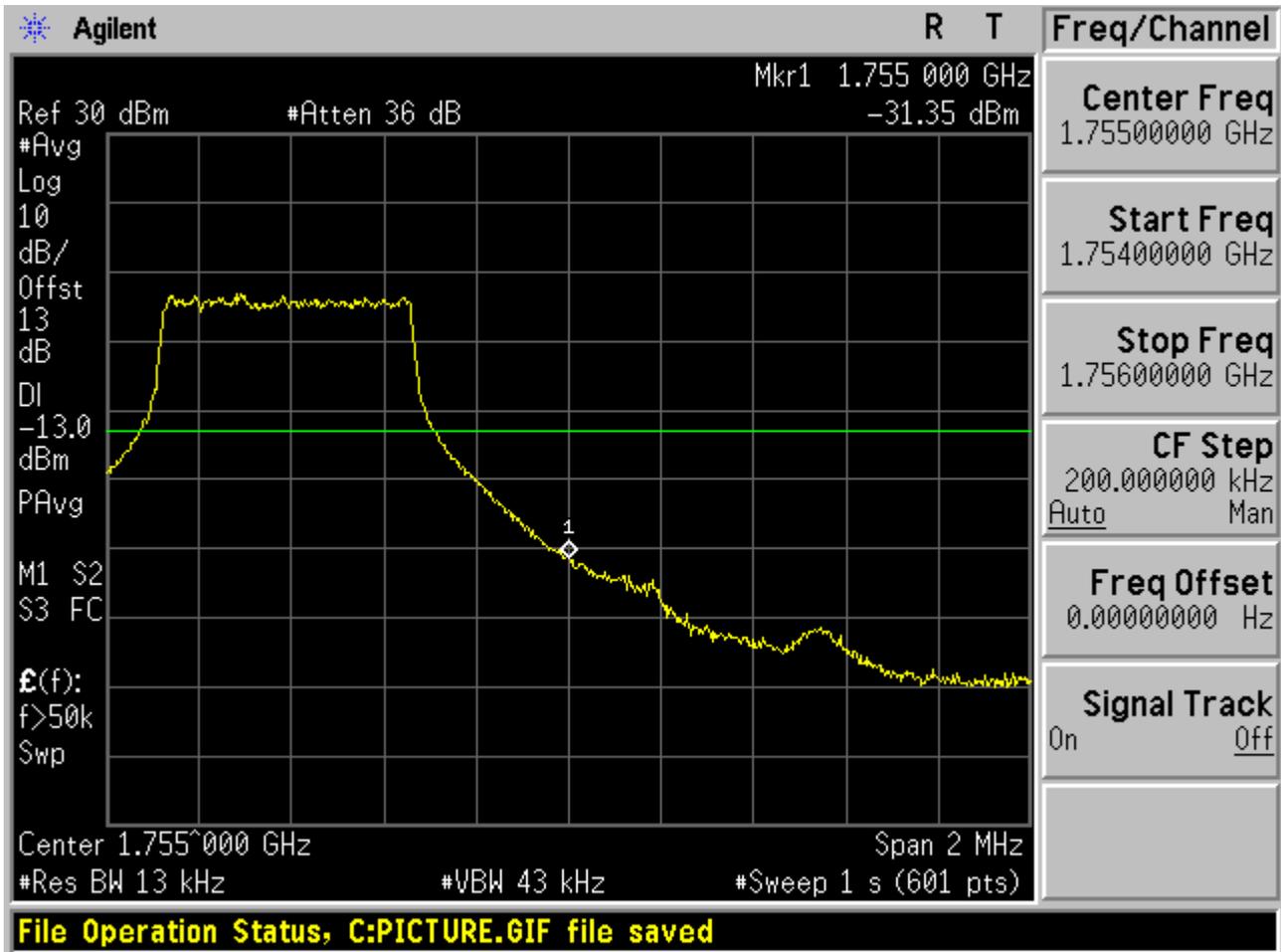


2.1.1.2.2 QPSK/1RB # max



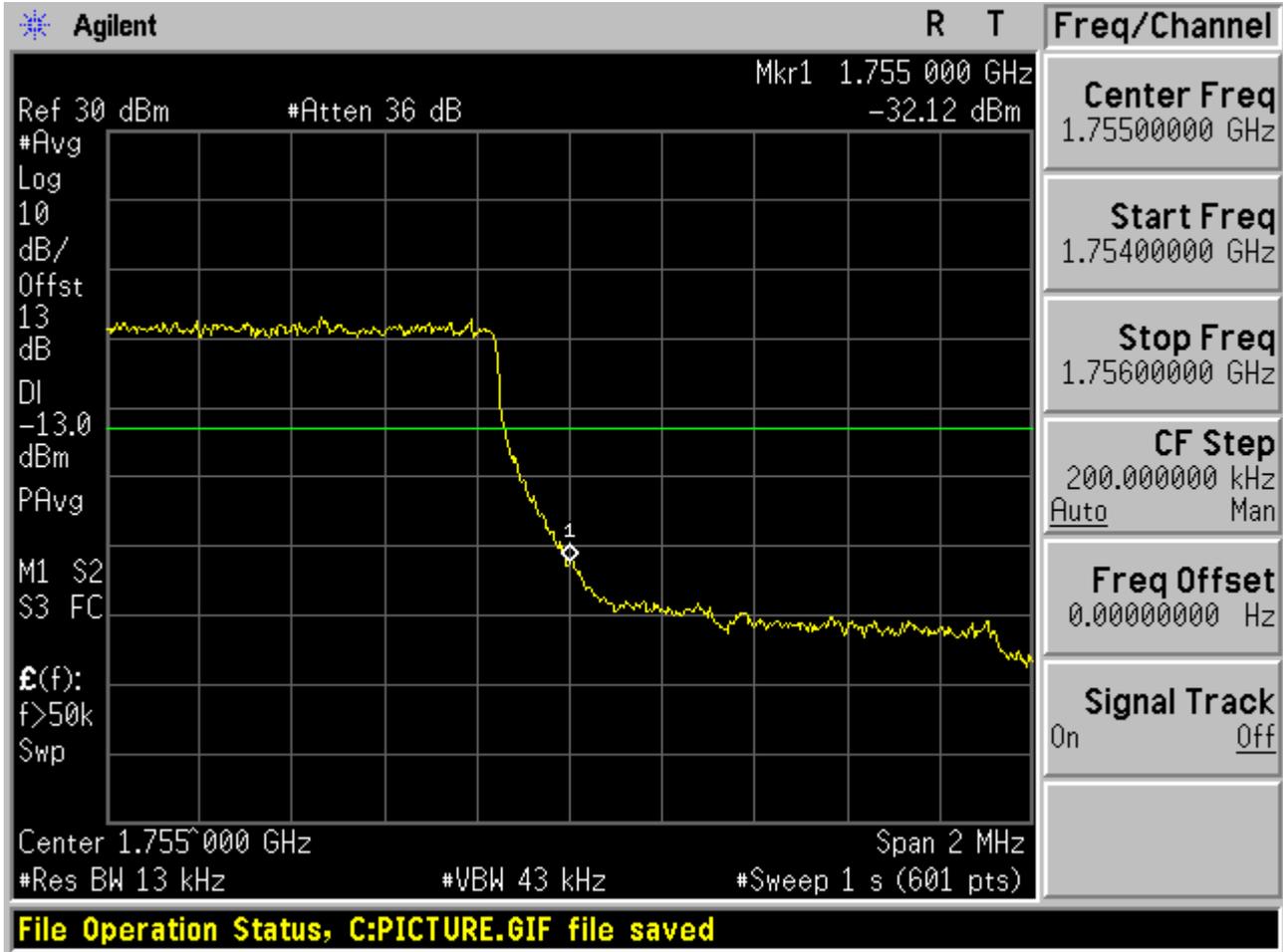


2.1.1.2.3 QPSK/non-1RB #mid/2





2.1.1.2.4 QPSK/full RBs

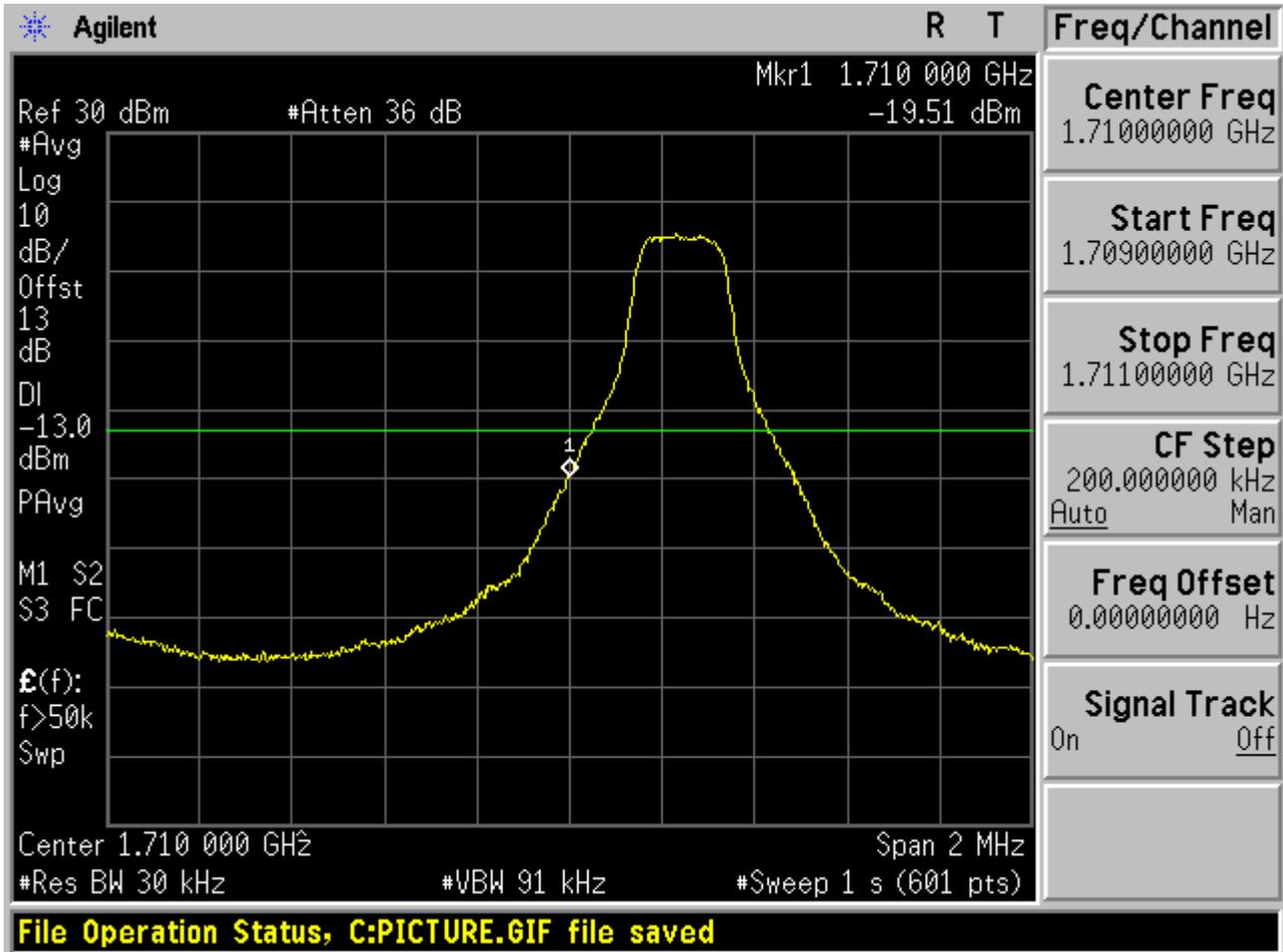




2.1.2 Channel Bandwidth = 3 MHz

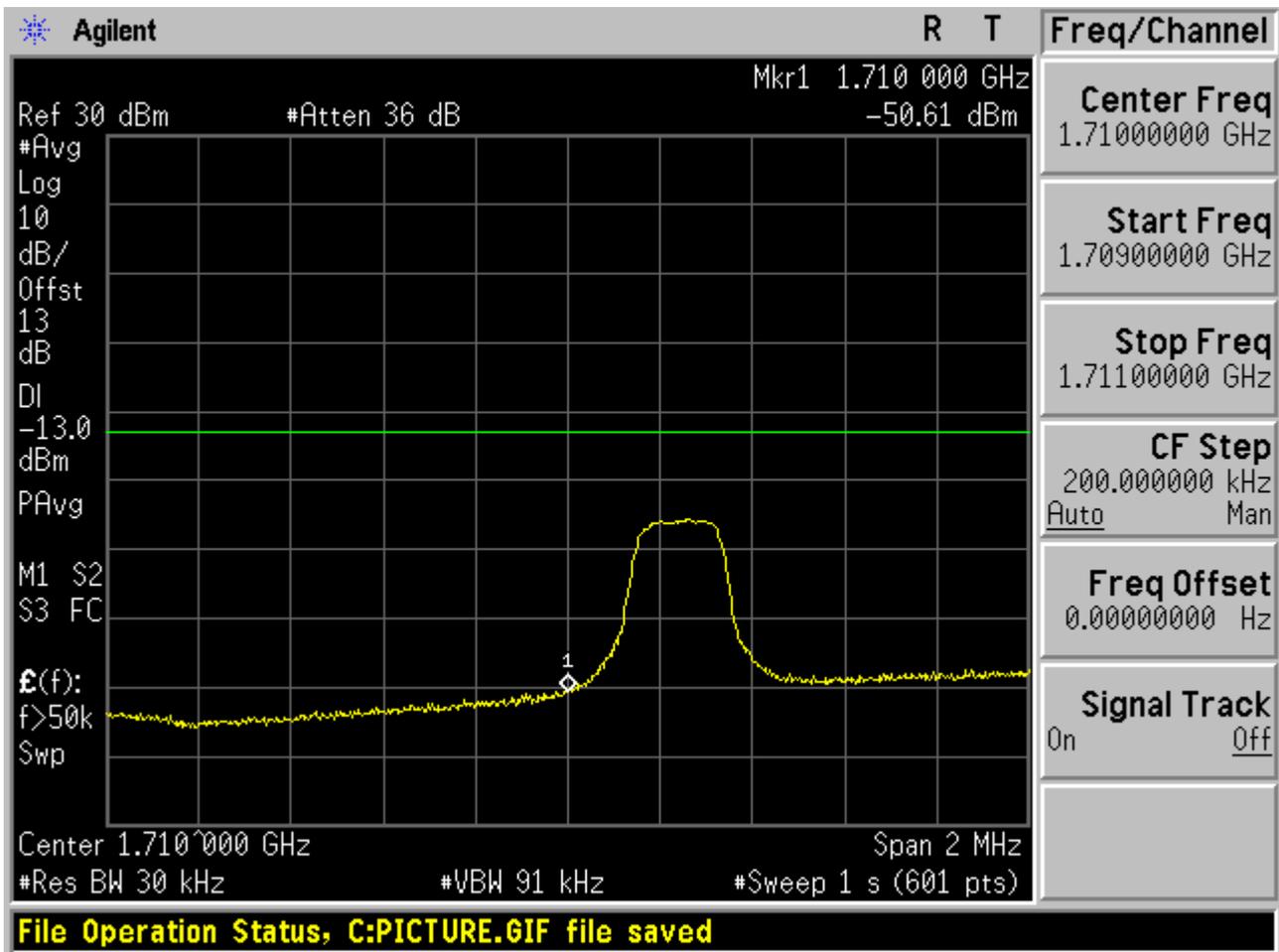
2.1.2.1 Channel= B

2.1.2.1.1 QPSK/1RB # 0



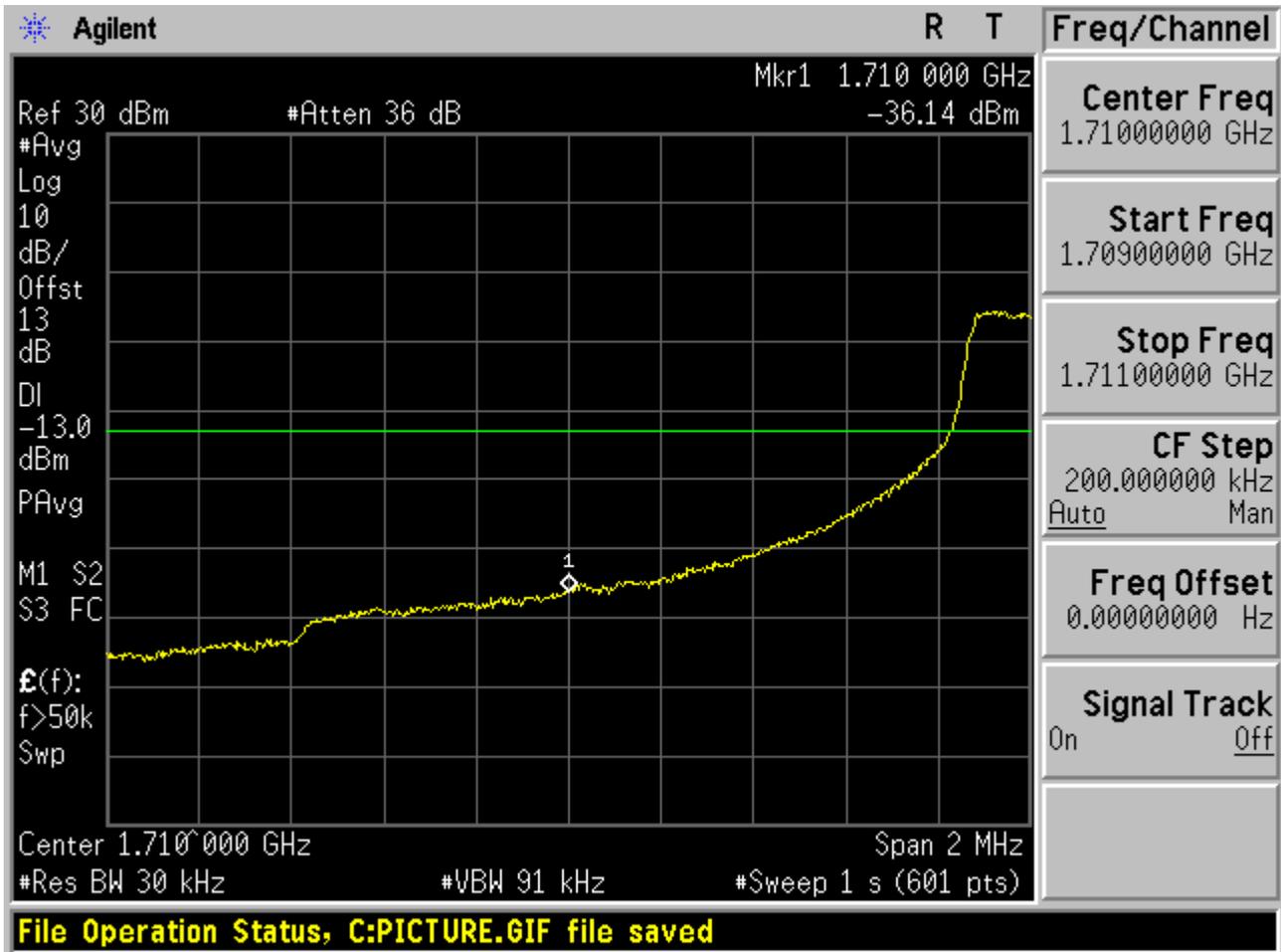


2.1.2.1.2 QPSK/1RB # max



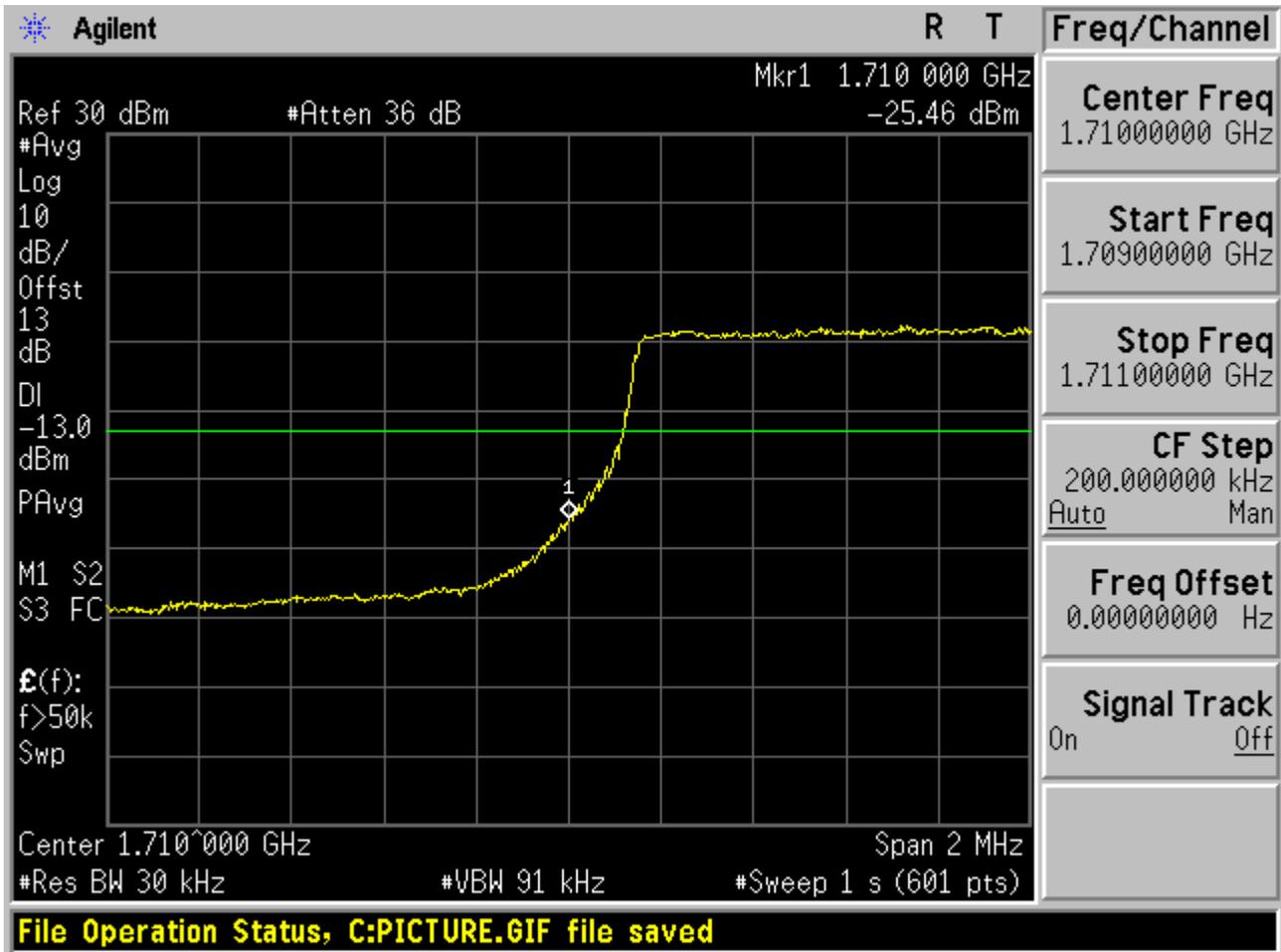


2.1.2.1.3 QPSK/non-1RB #mid/2





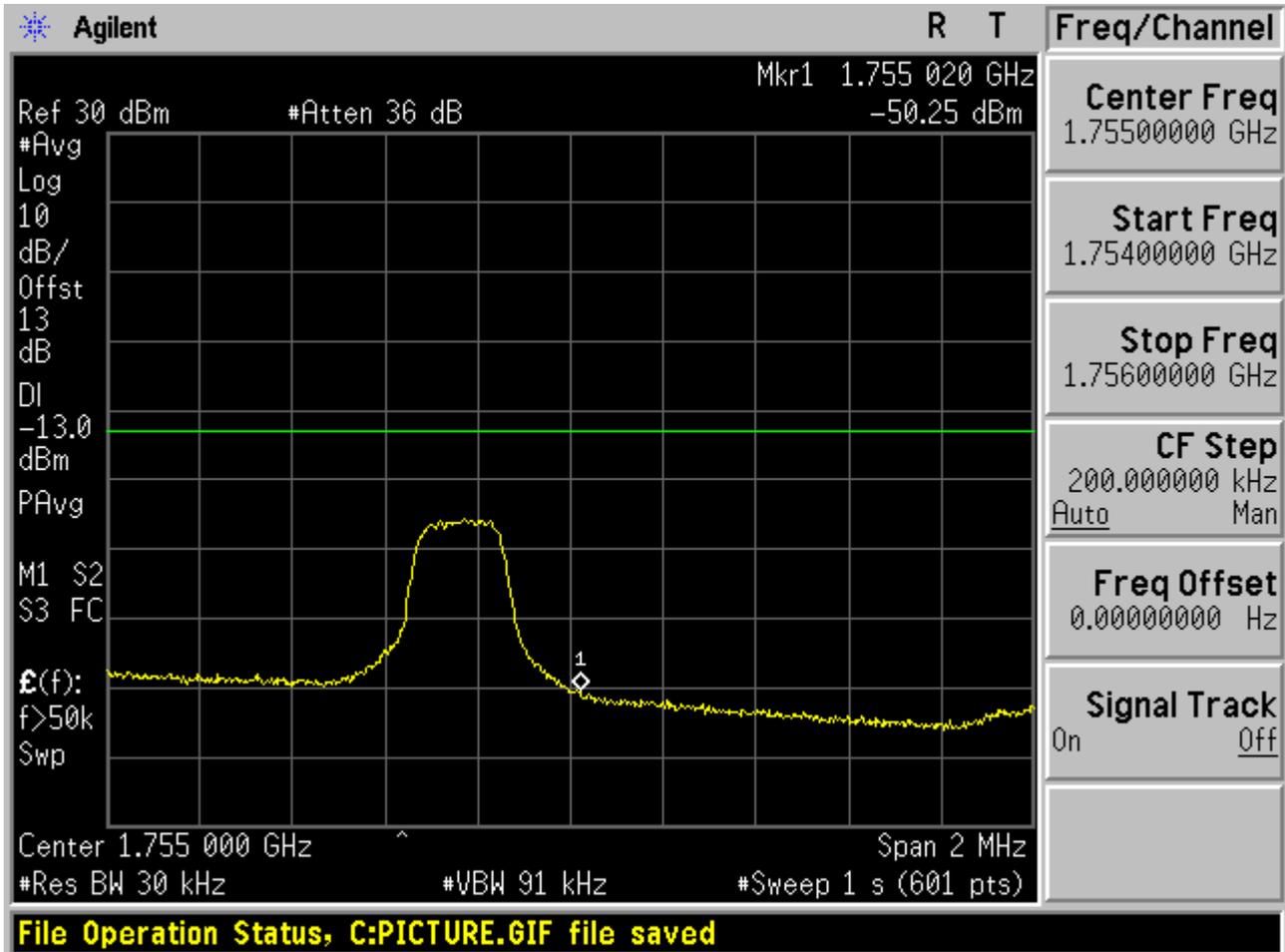
2.1.2.1.4 QPSK/full RBs





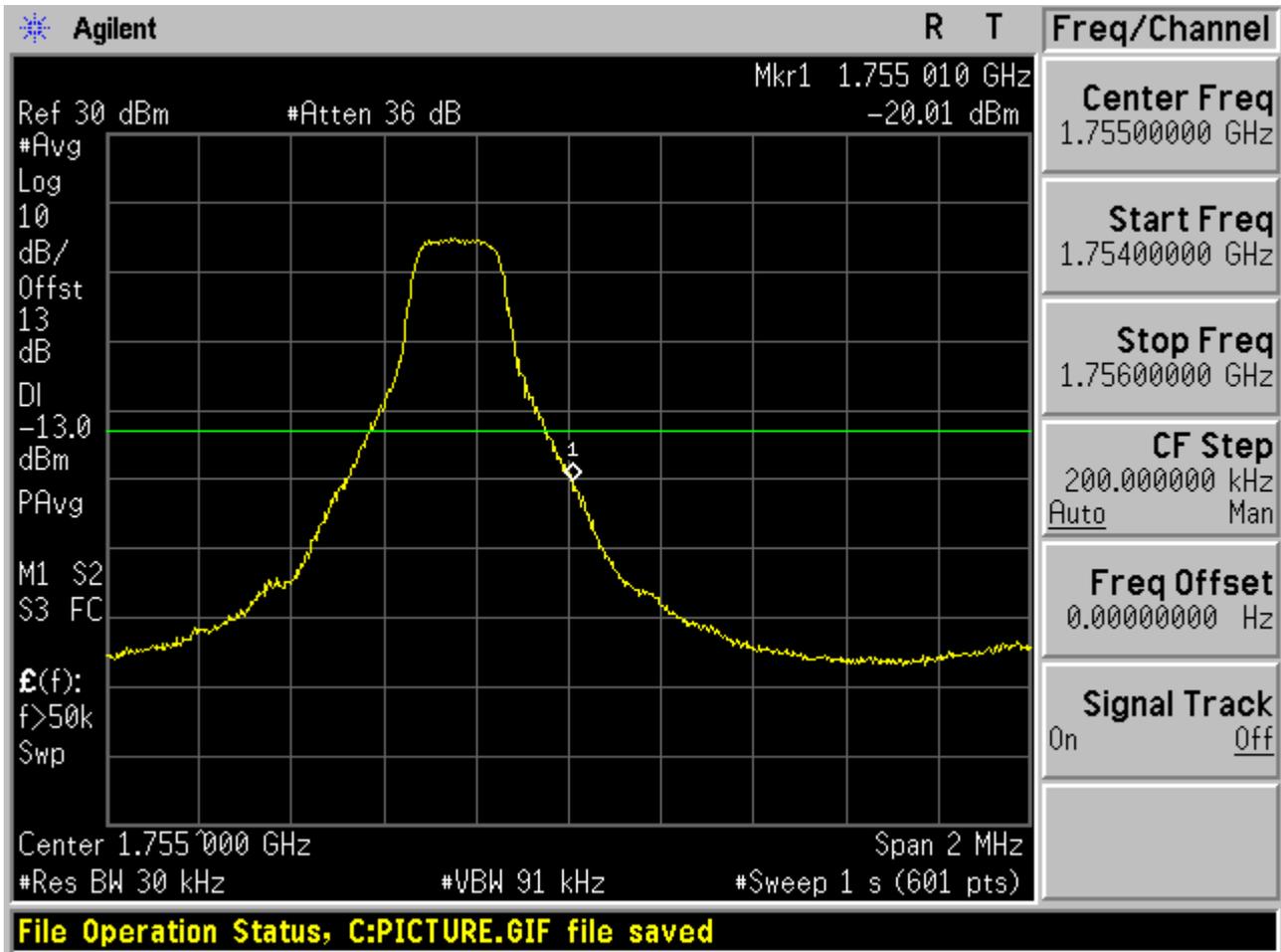
2.1.2.2 Channel= T

2.1.2.2.1 QPSK/1RB # 0



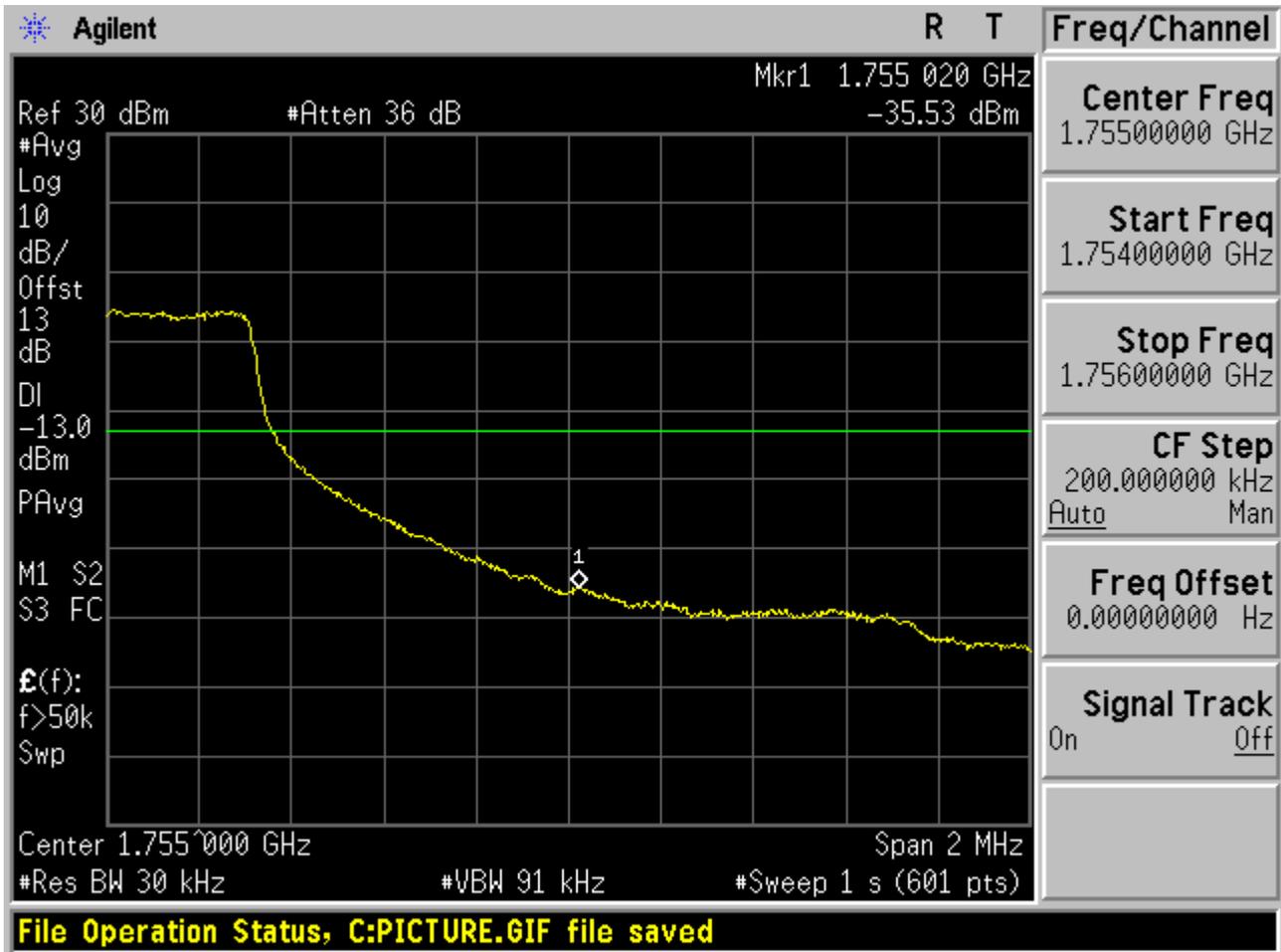


2.1.2.2.2 QPSK/1RB # max



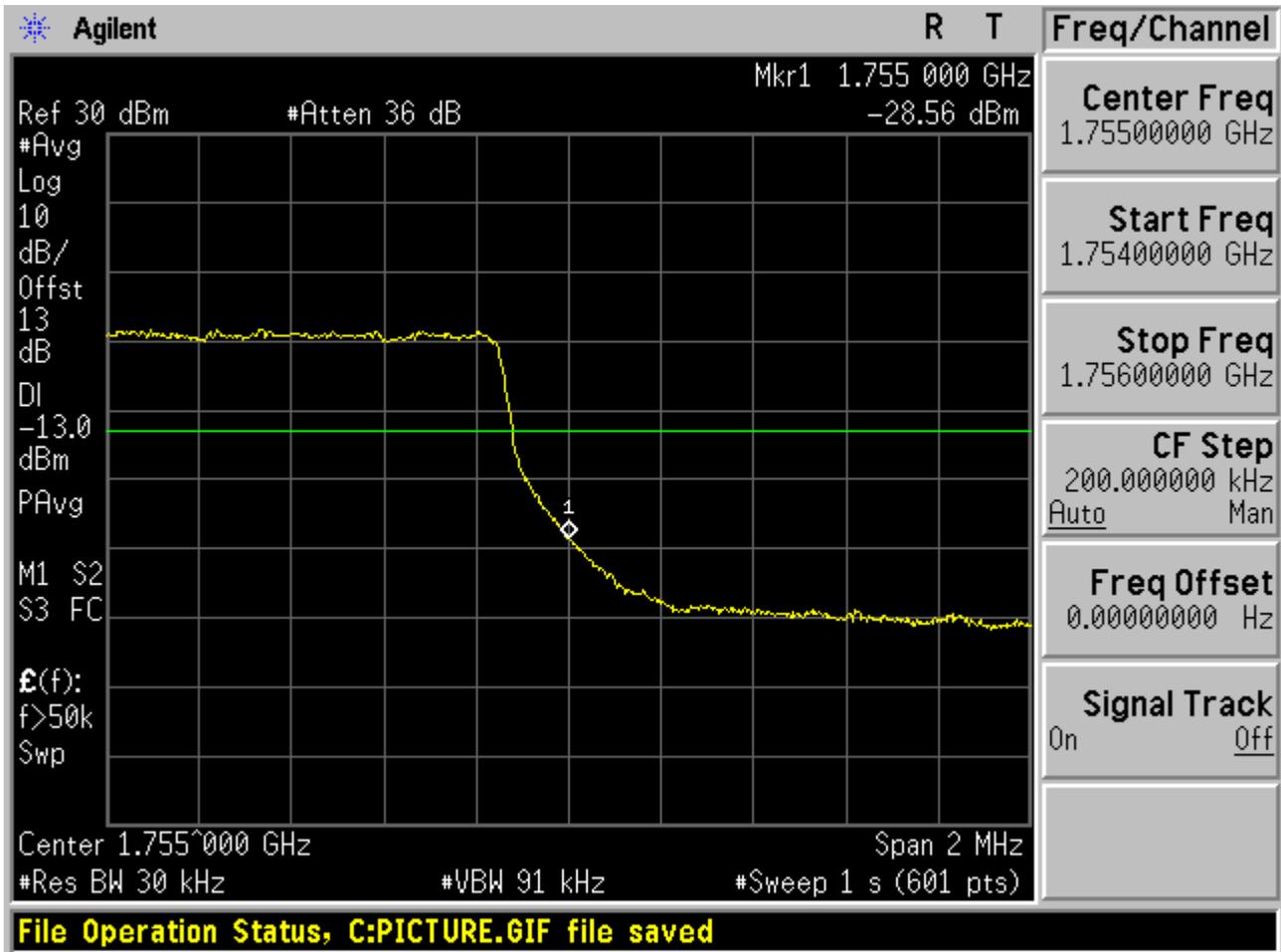


2.1.2.2.3 QPSK/non-1RB #mid/2





2.1.2.2.4 QPSK/full RBs

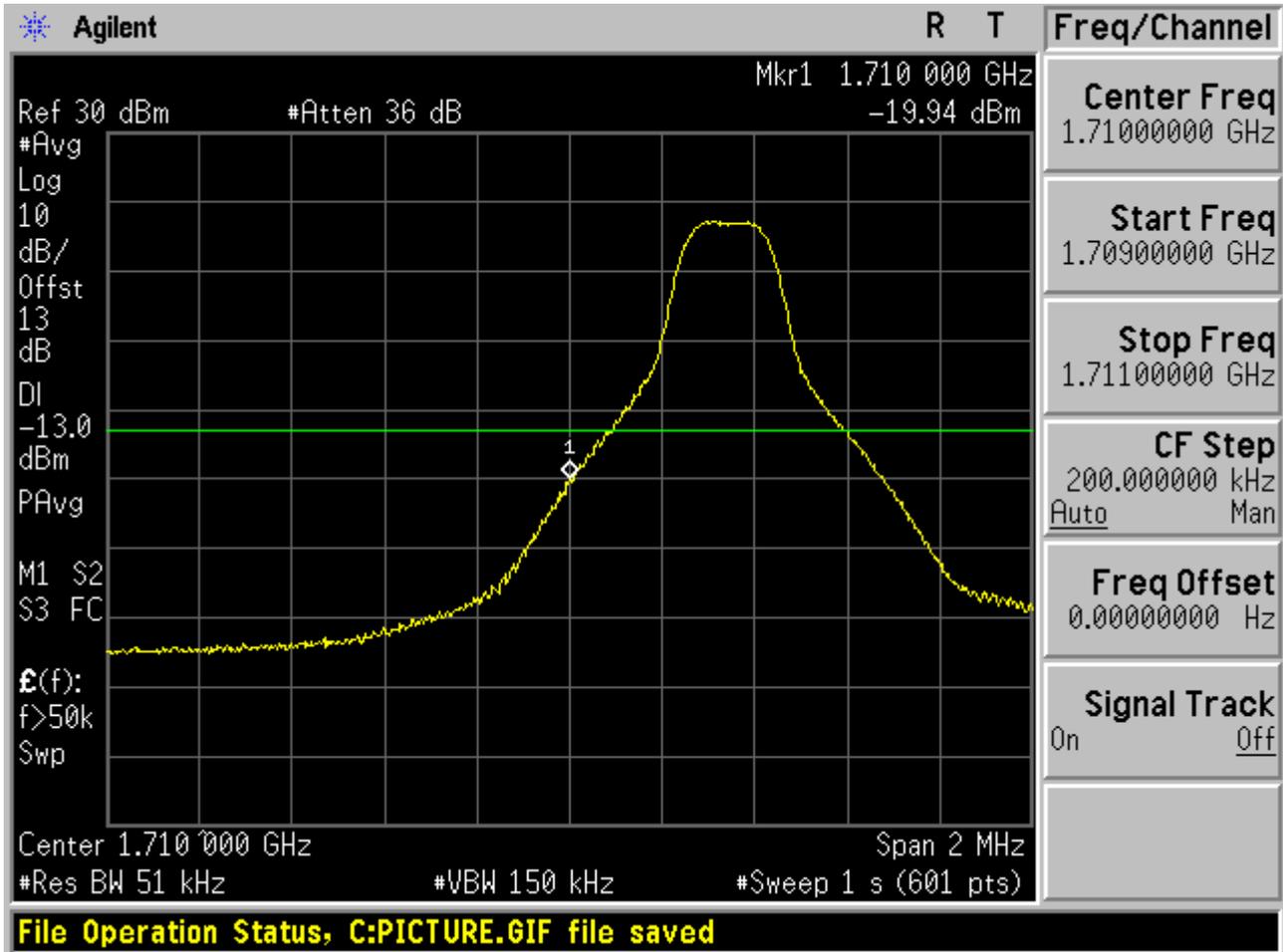




2.1.3 Channel Bandwidth = 5 MHz

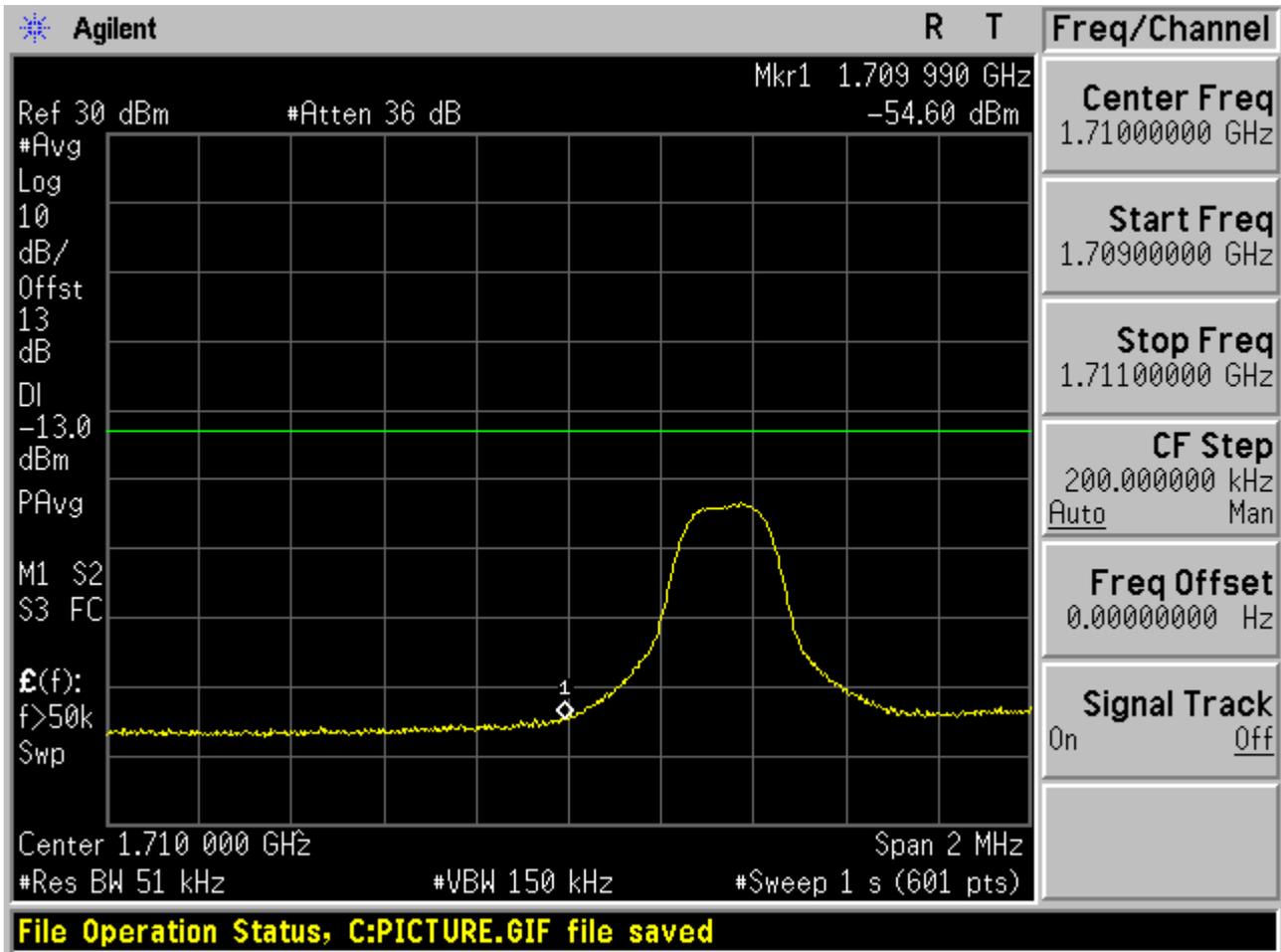
2.1.3.1 Channel= B

2.1.3.1.1 QPSK/1RB # 0



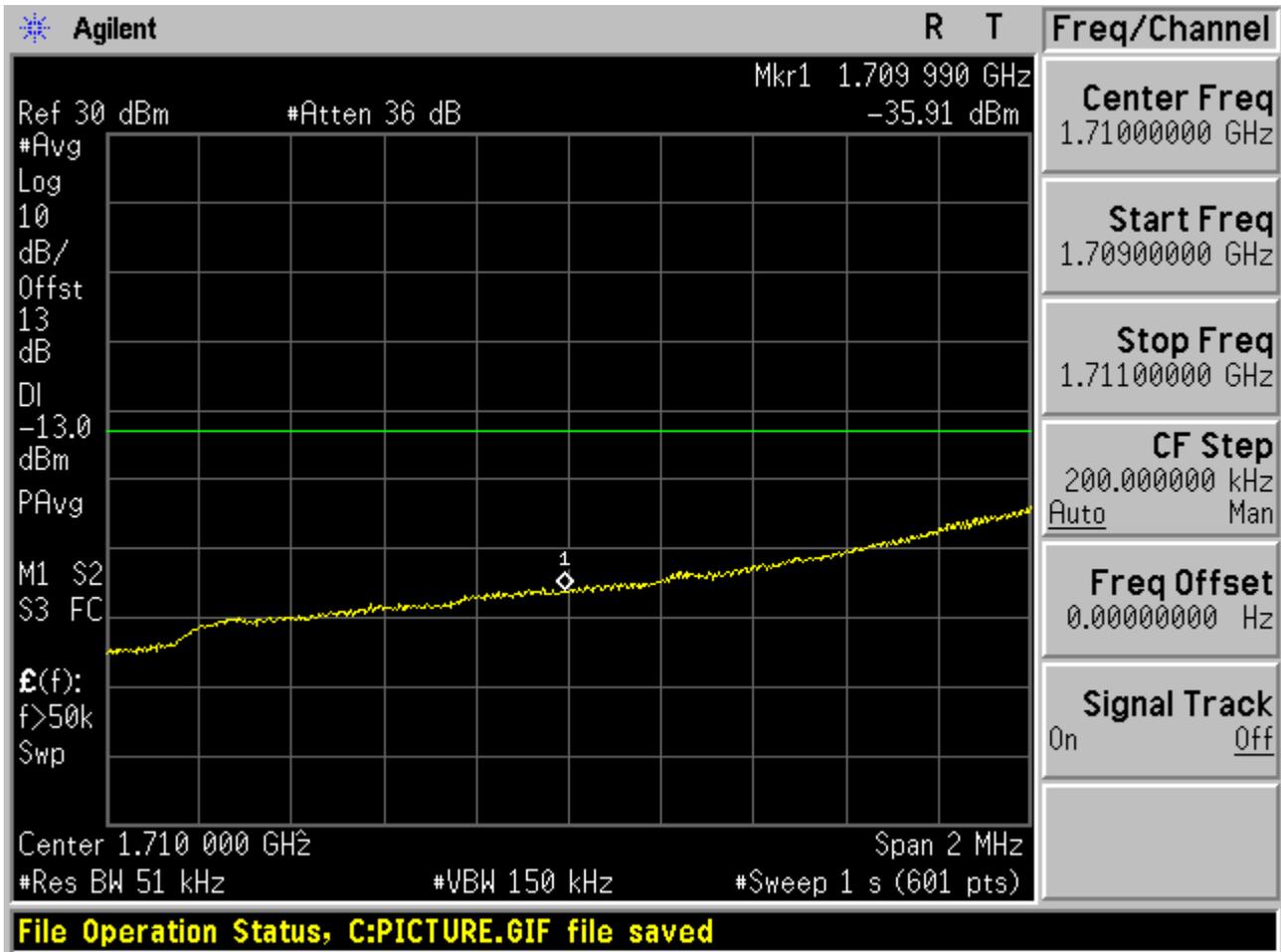


2.1.3.1.2 QPSK/1RB # max



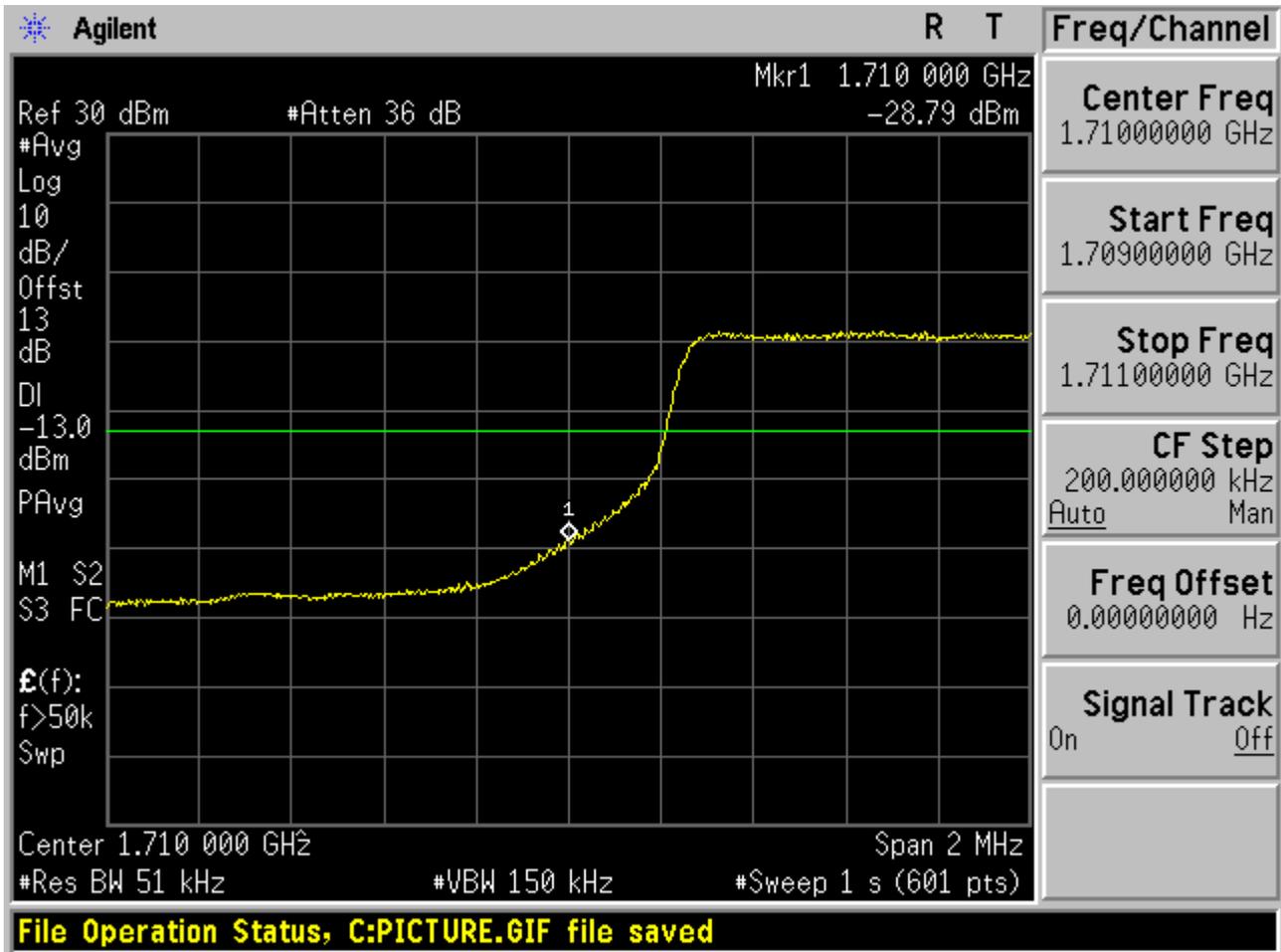


2.1.3.1.3 QPSK/non-1RB #mid/2





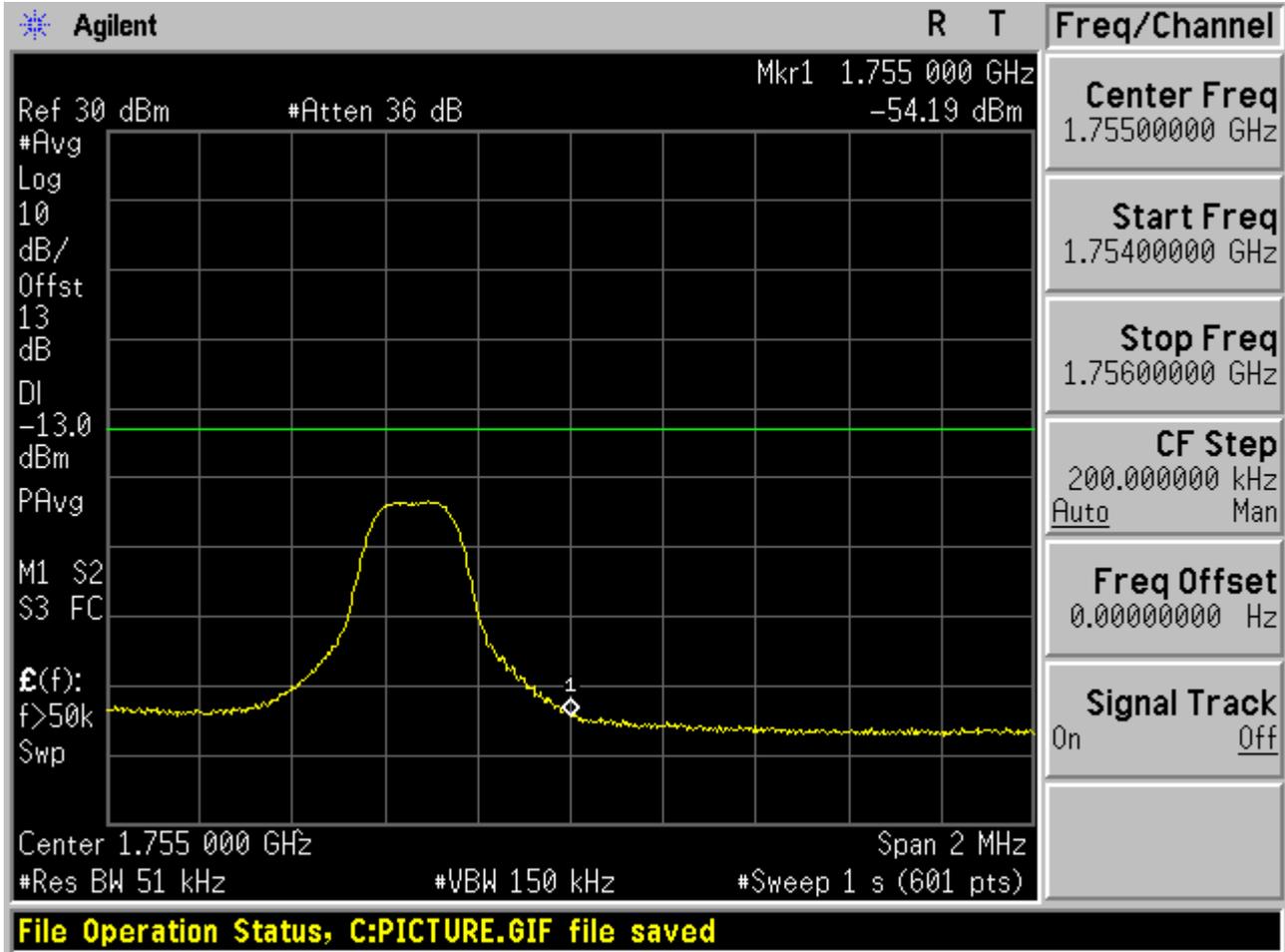
2.1.3.1.4 QPSK/full RBs





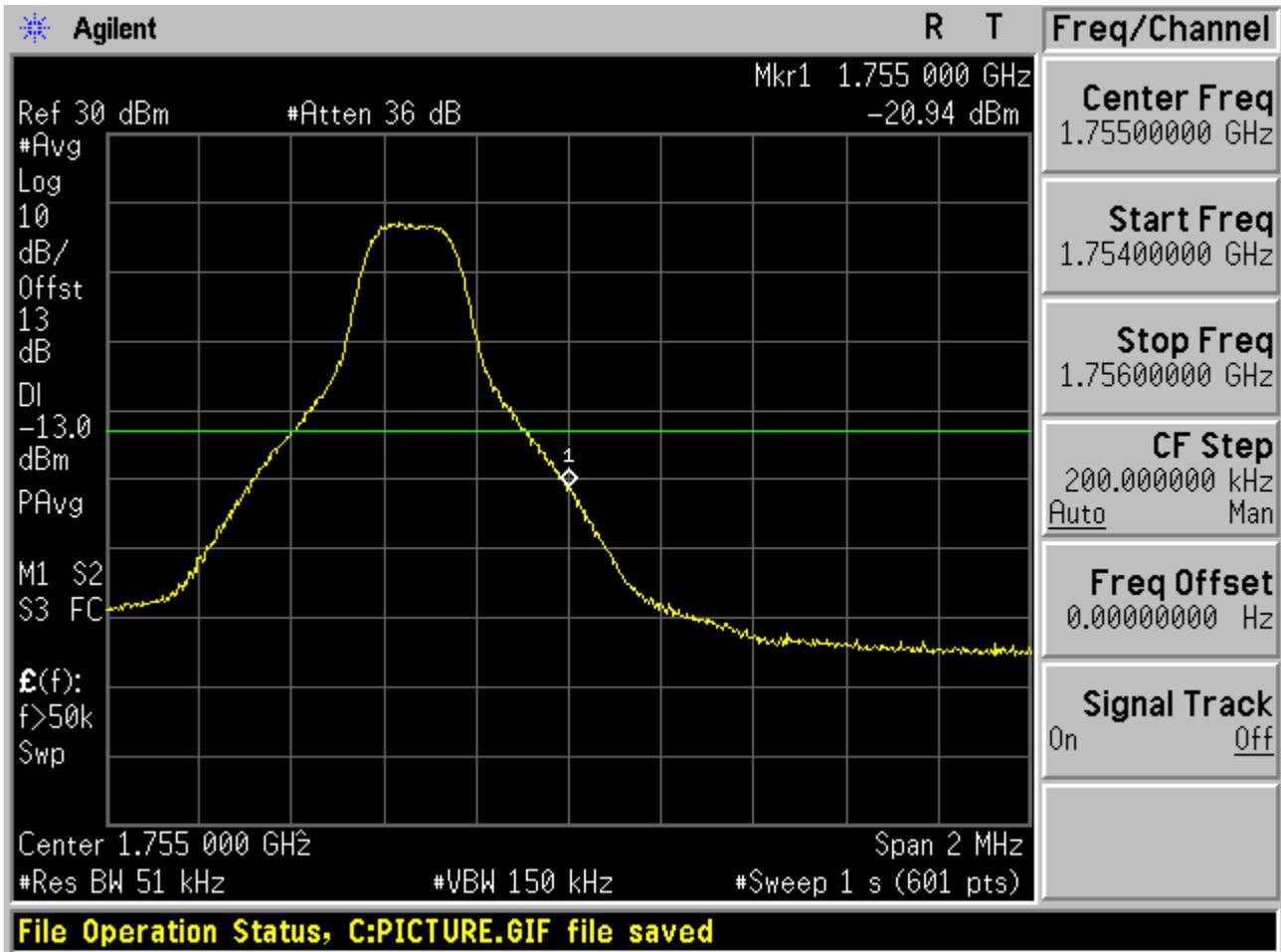
2.1.3.2 Channel= T

2.1.3.2.1 QPSK/1RB # 0



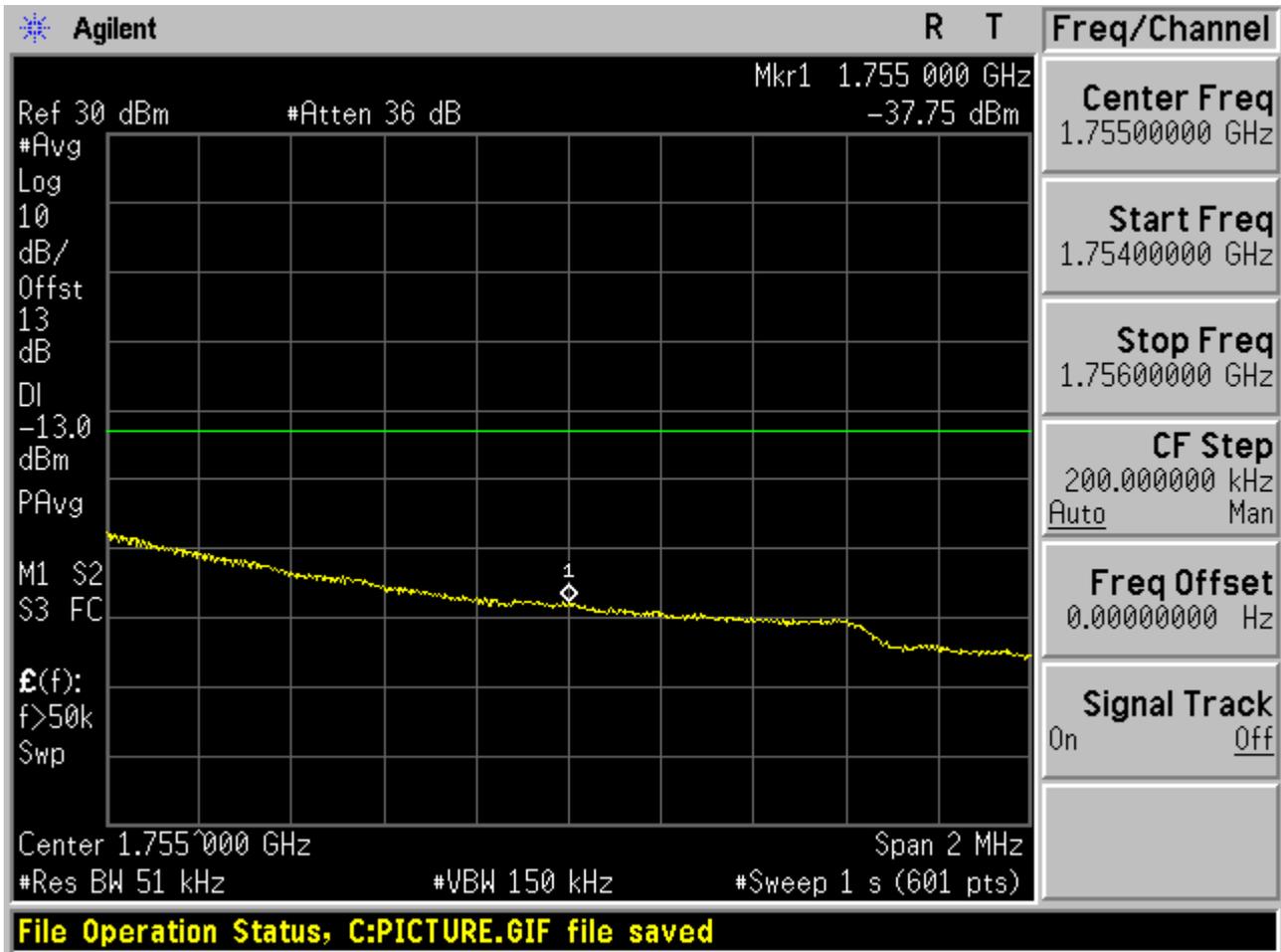


2.1.3.2.2 QPSK/1RB # max



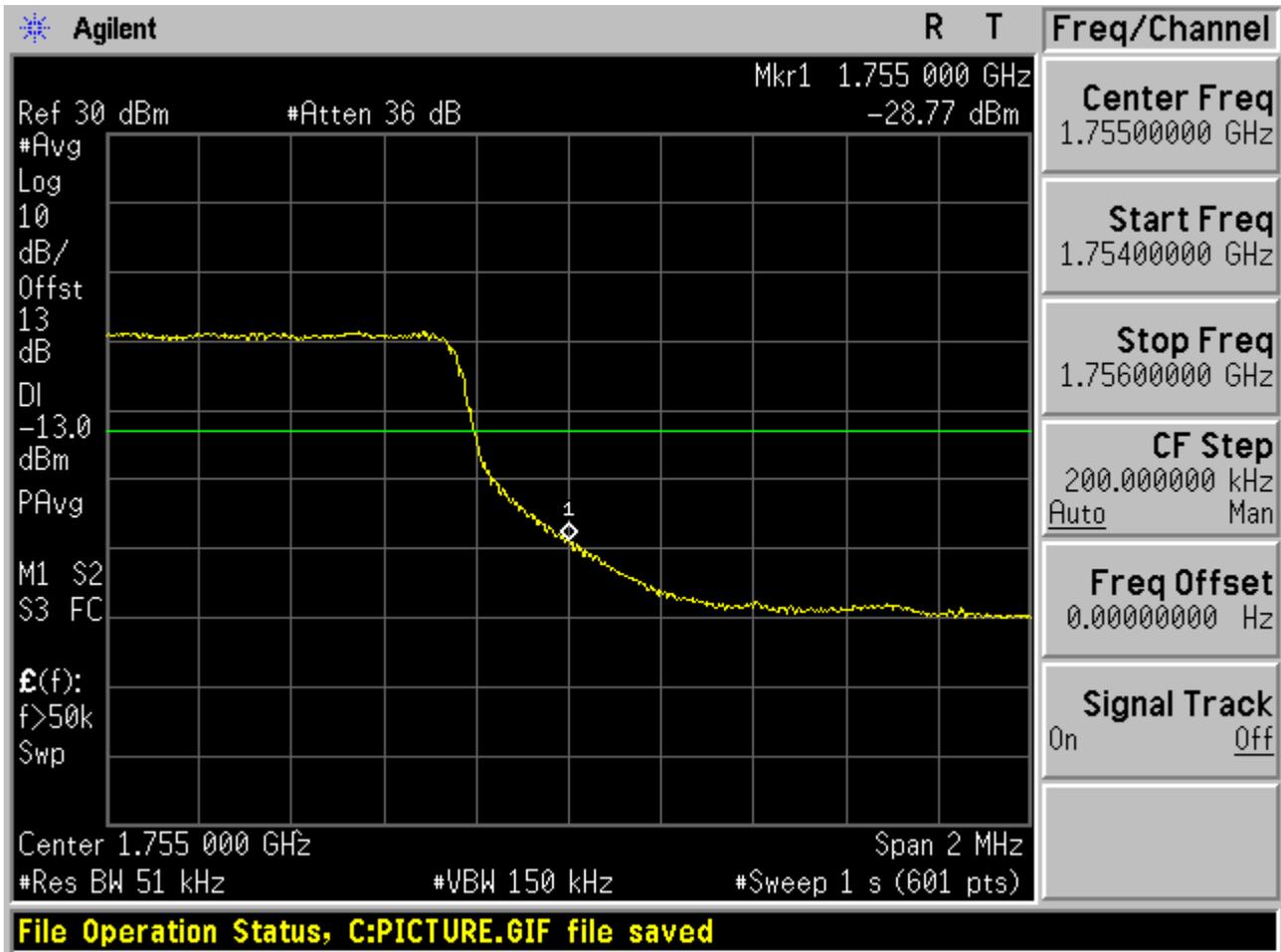


2.1.3.2.3 QPSK/non-1RB #mid/2





2.1.3.2.4 QPSK/full RBs

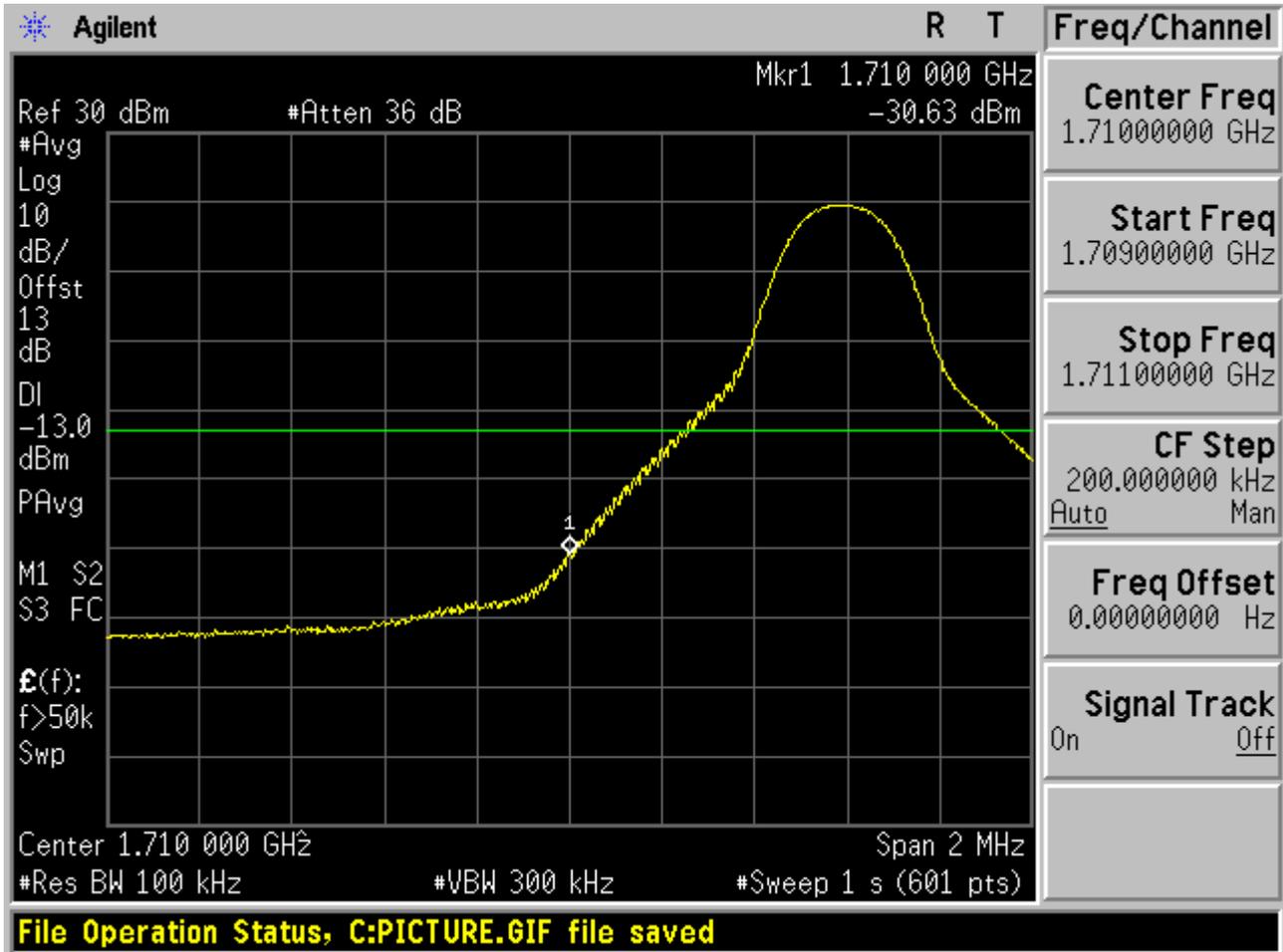




2.1.4 Channel Bandwidth = 10 MHz

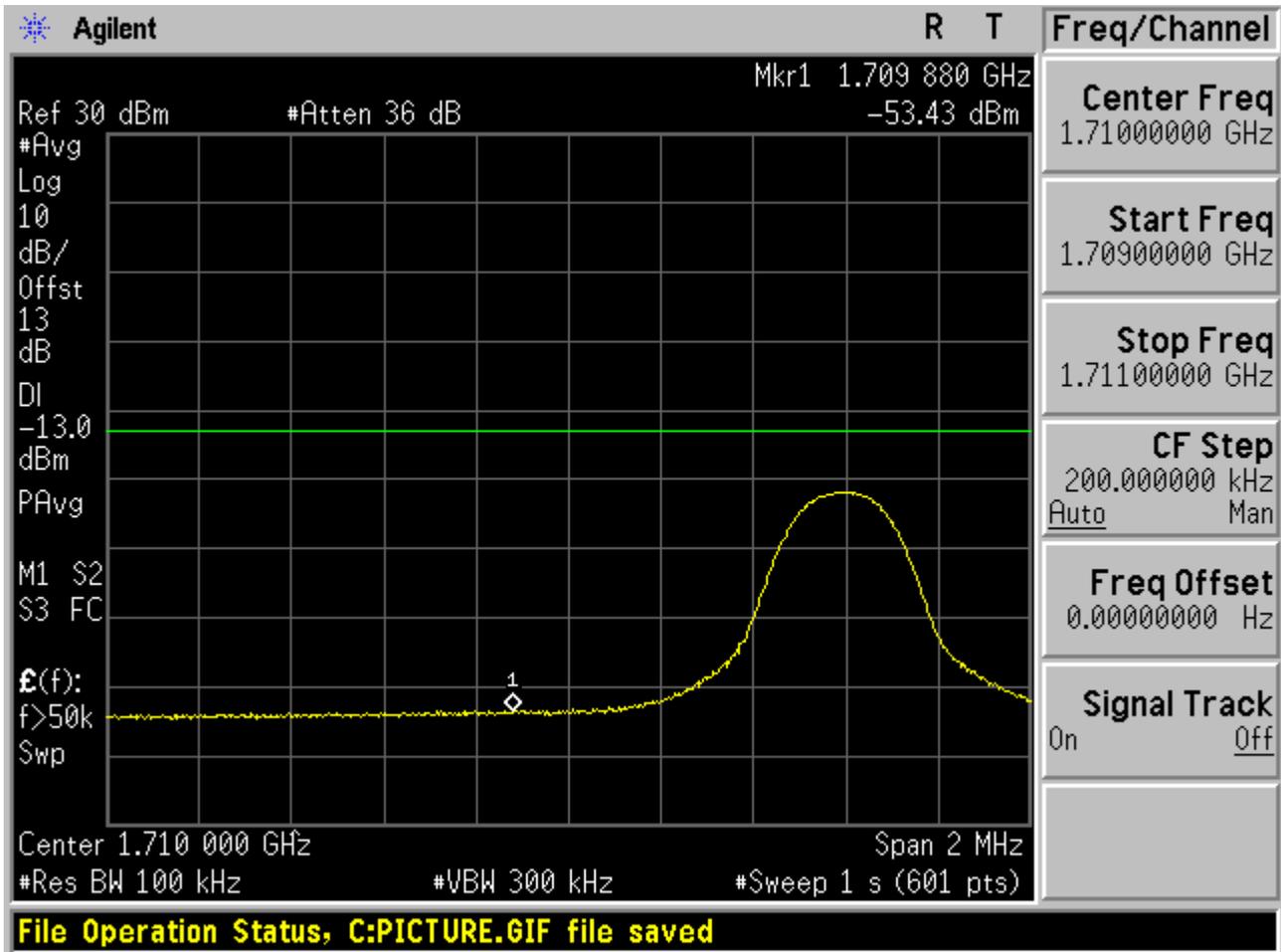
2.1.4.1 Channel= B

2.1.4.1.1 QPSK/1RB # 0



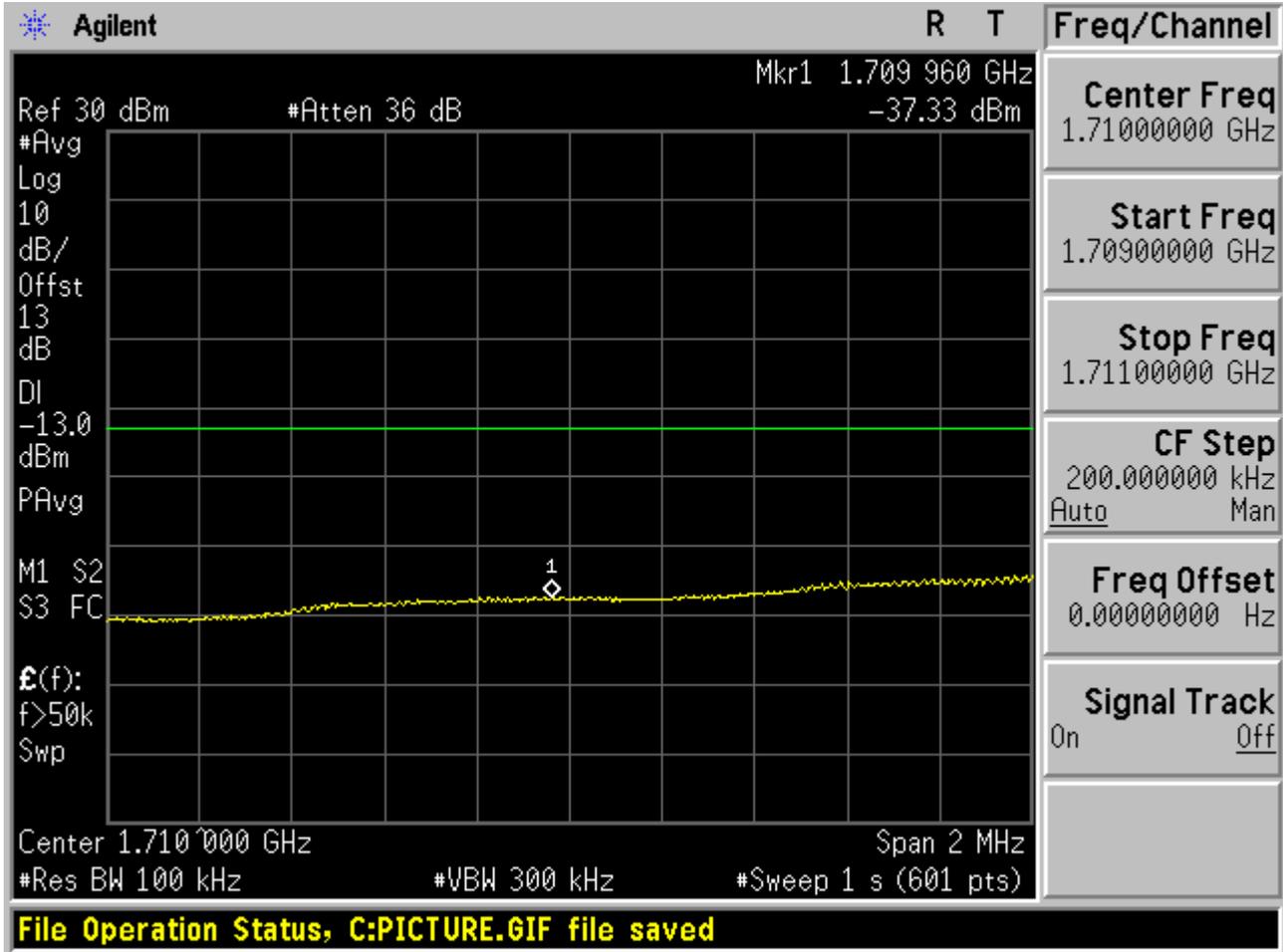


2.1.4.1.2 QPSK/1RB # max



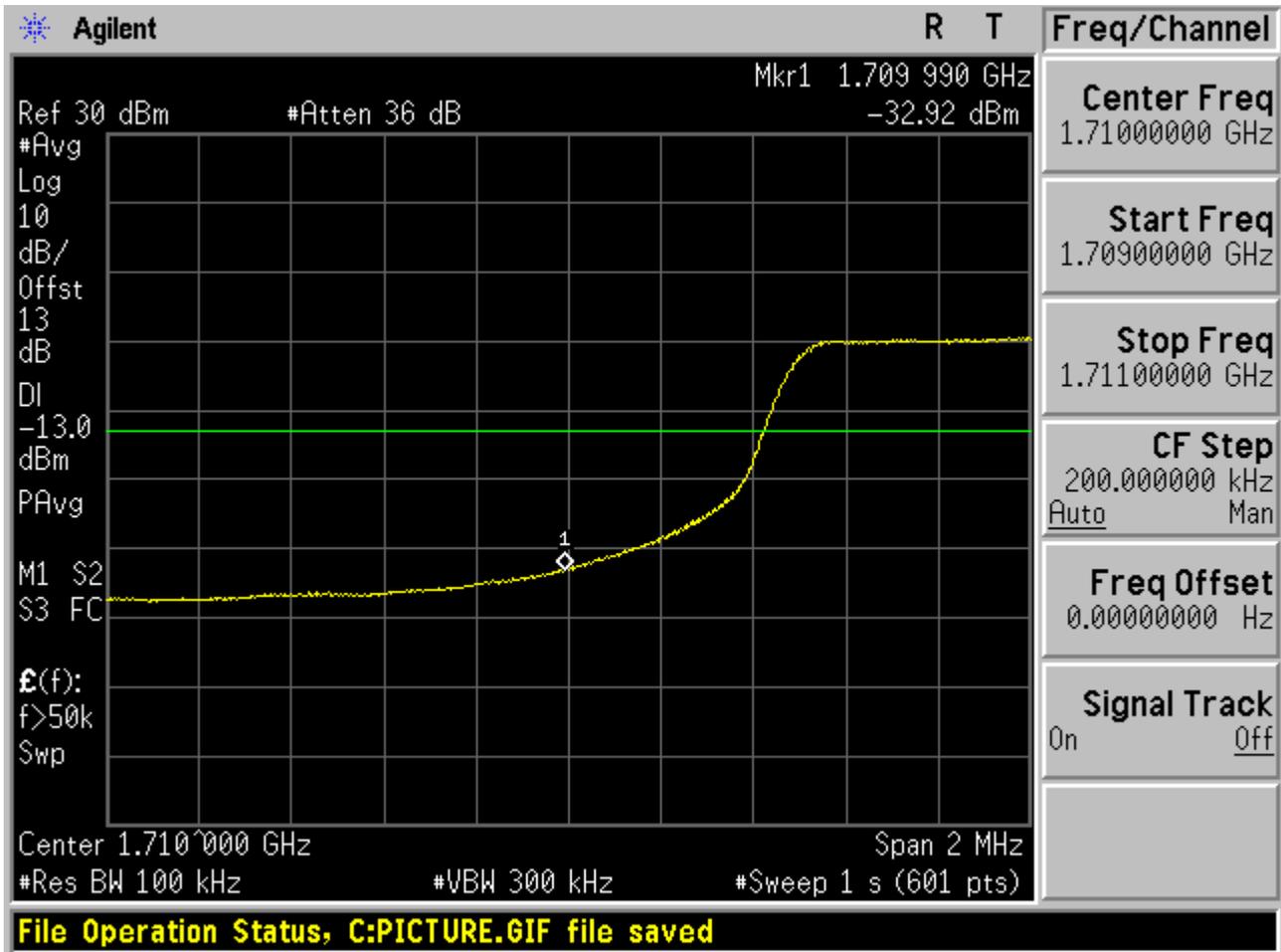


2.1.4.1.3 QPSK/non-1RB #mid/2





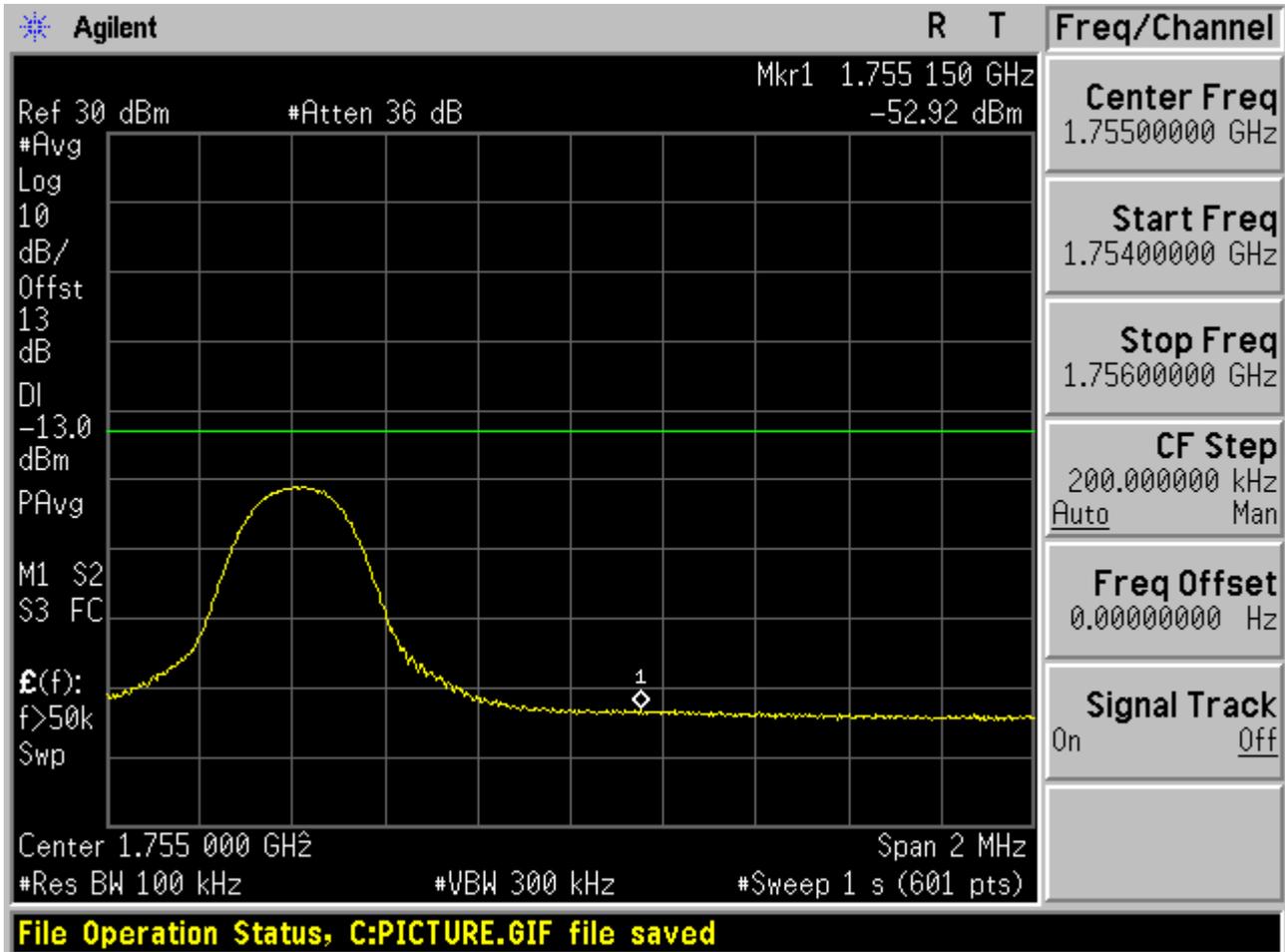
2.1.4.1.4 QPSK/full RBs





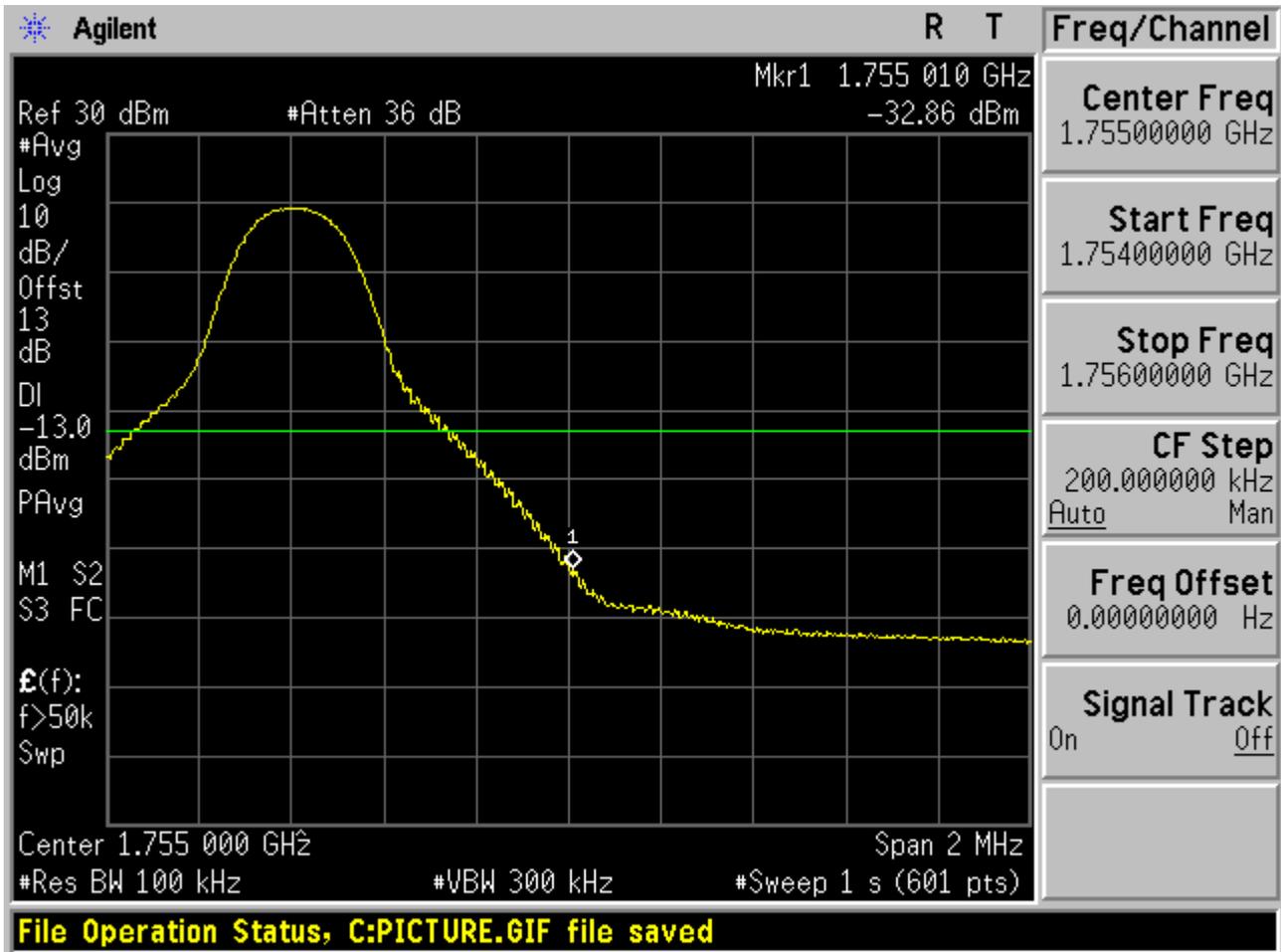
2.1.4.2 Channel= T

2.1.4.2.1 QPSK/1RB # 0



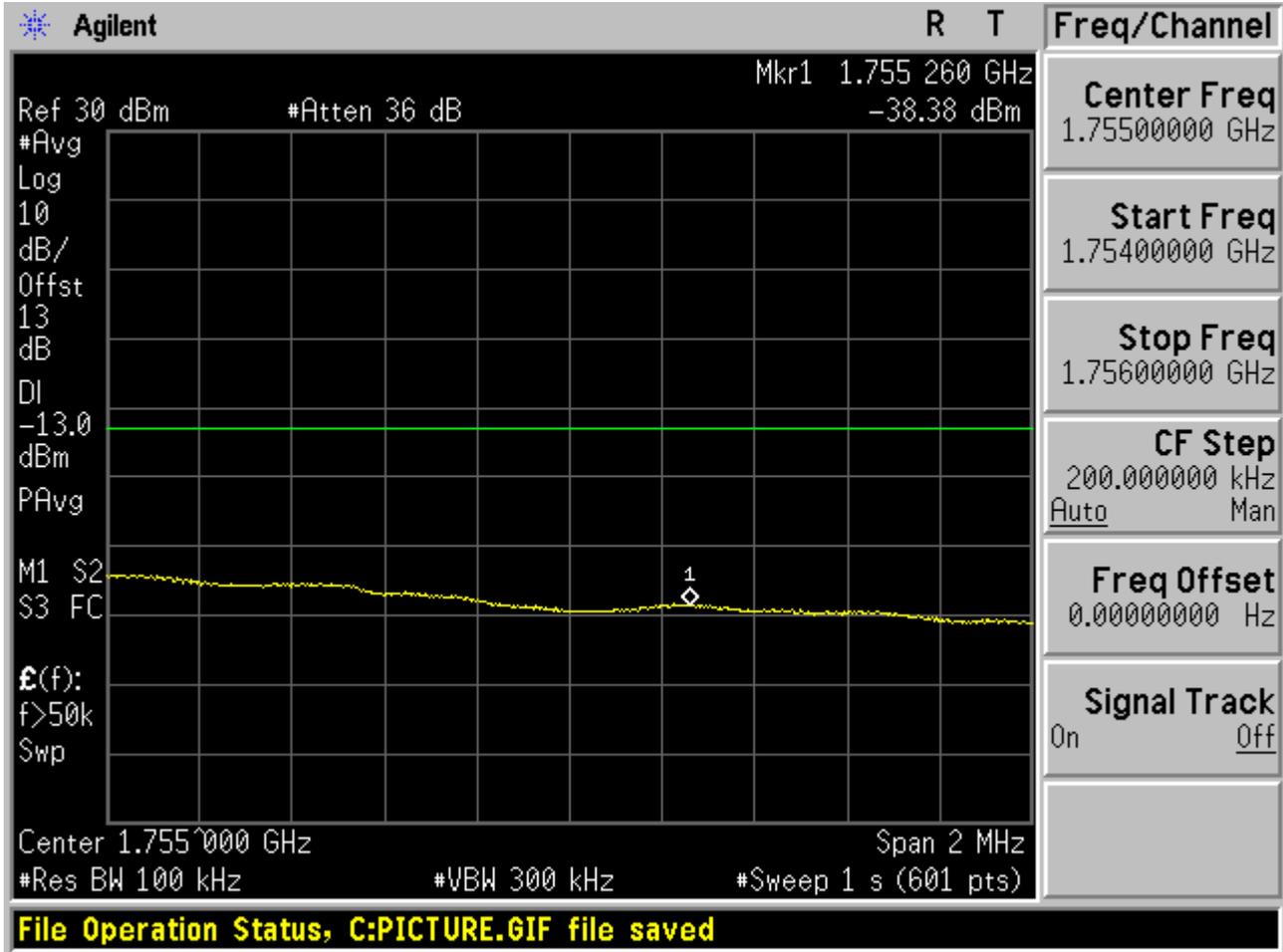


2.1.4.2.2 QPSK/1RB # max



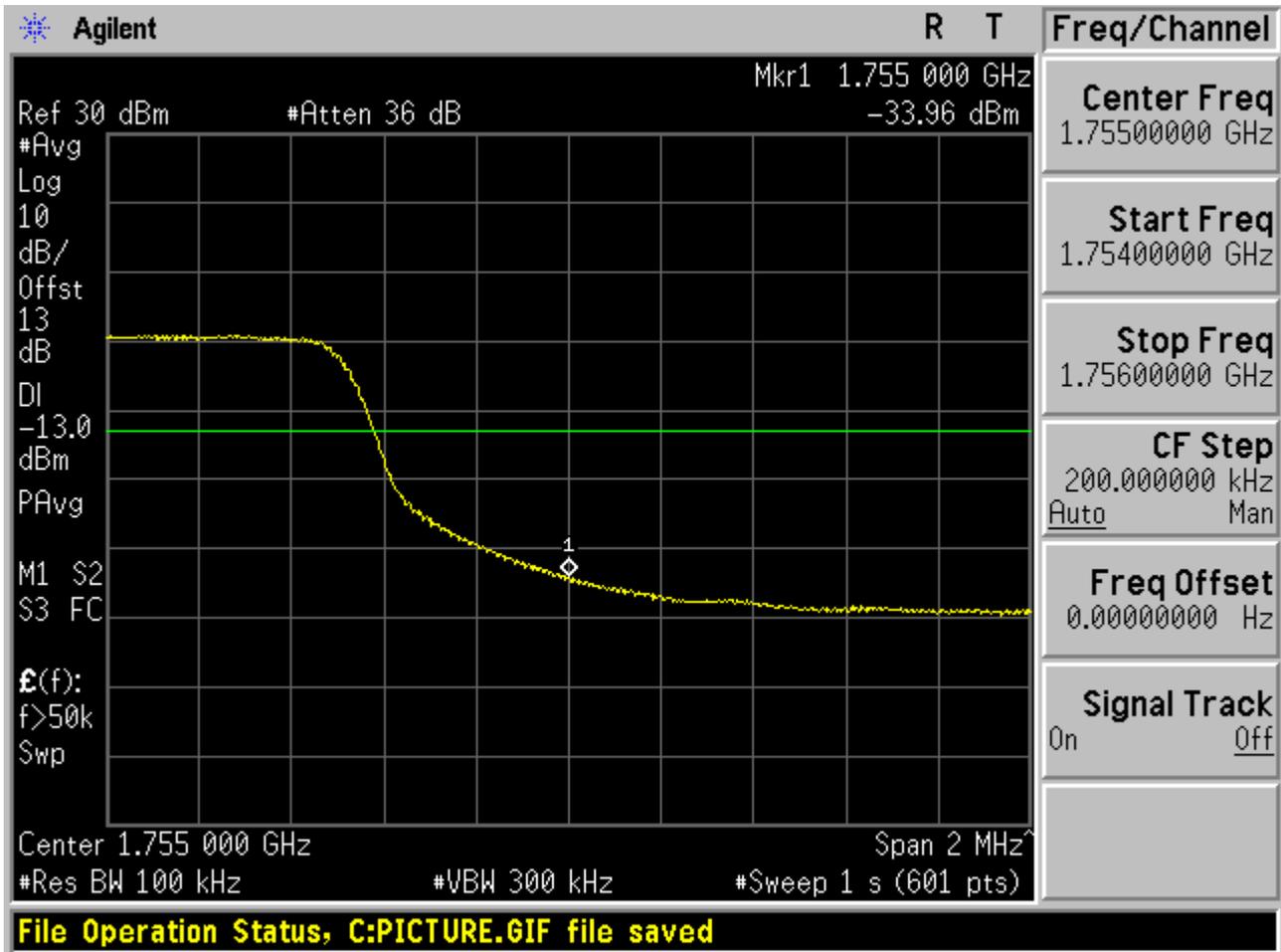


2.1.4.2.3 QPSK/non-1RB #mid/2





2.1.4.2.4 QPSK/full RBs

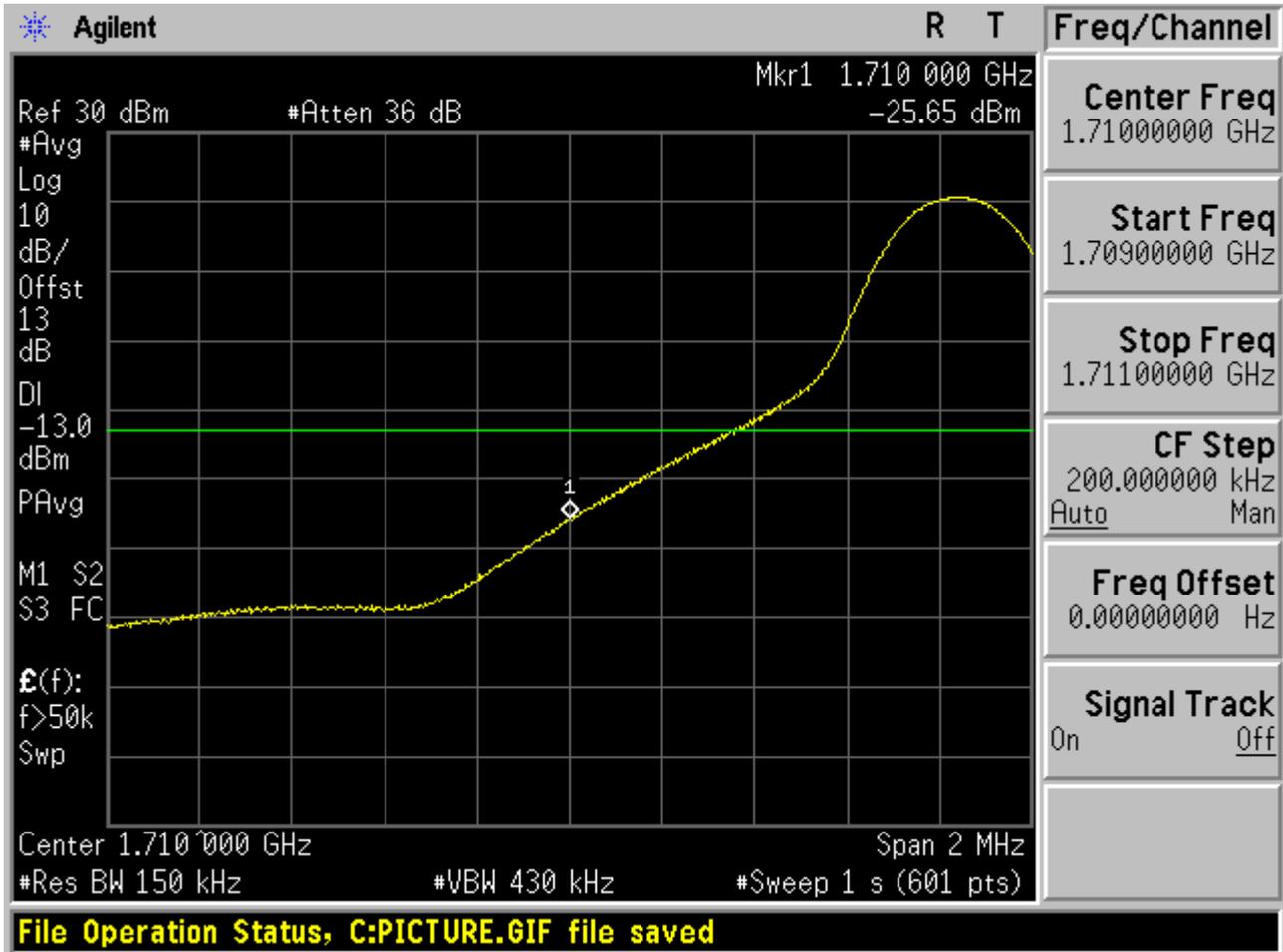




2.1.5 Channel Bandwidth = 15 MHz

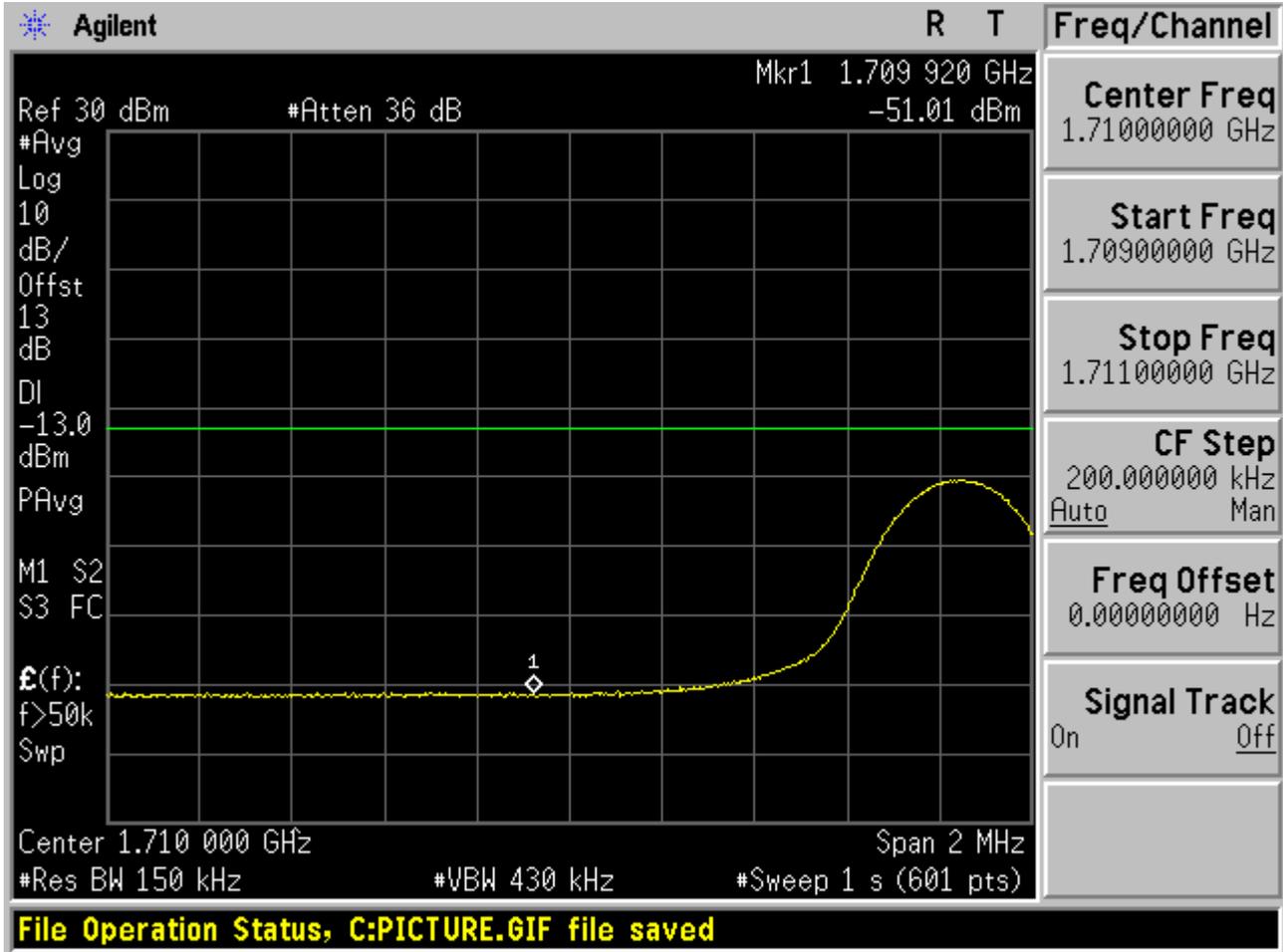
2.1.5.1 Channel= B

2.1.5.1.1 QPSK/1RB # 0



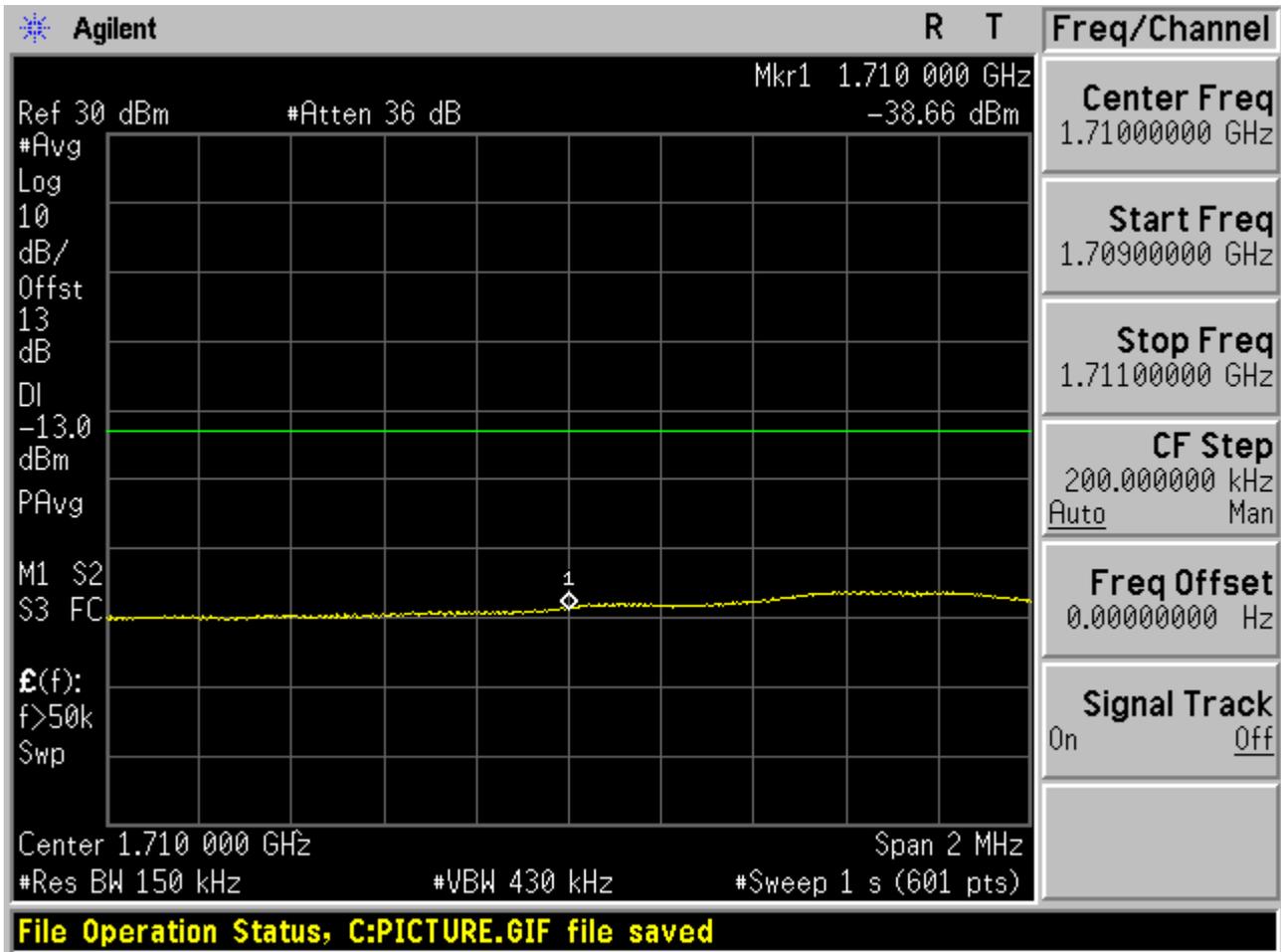


2.1.5.1.2 QPSK/1RB # max



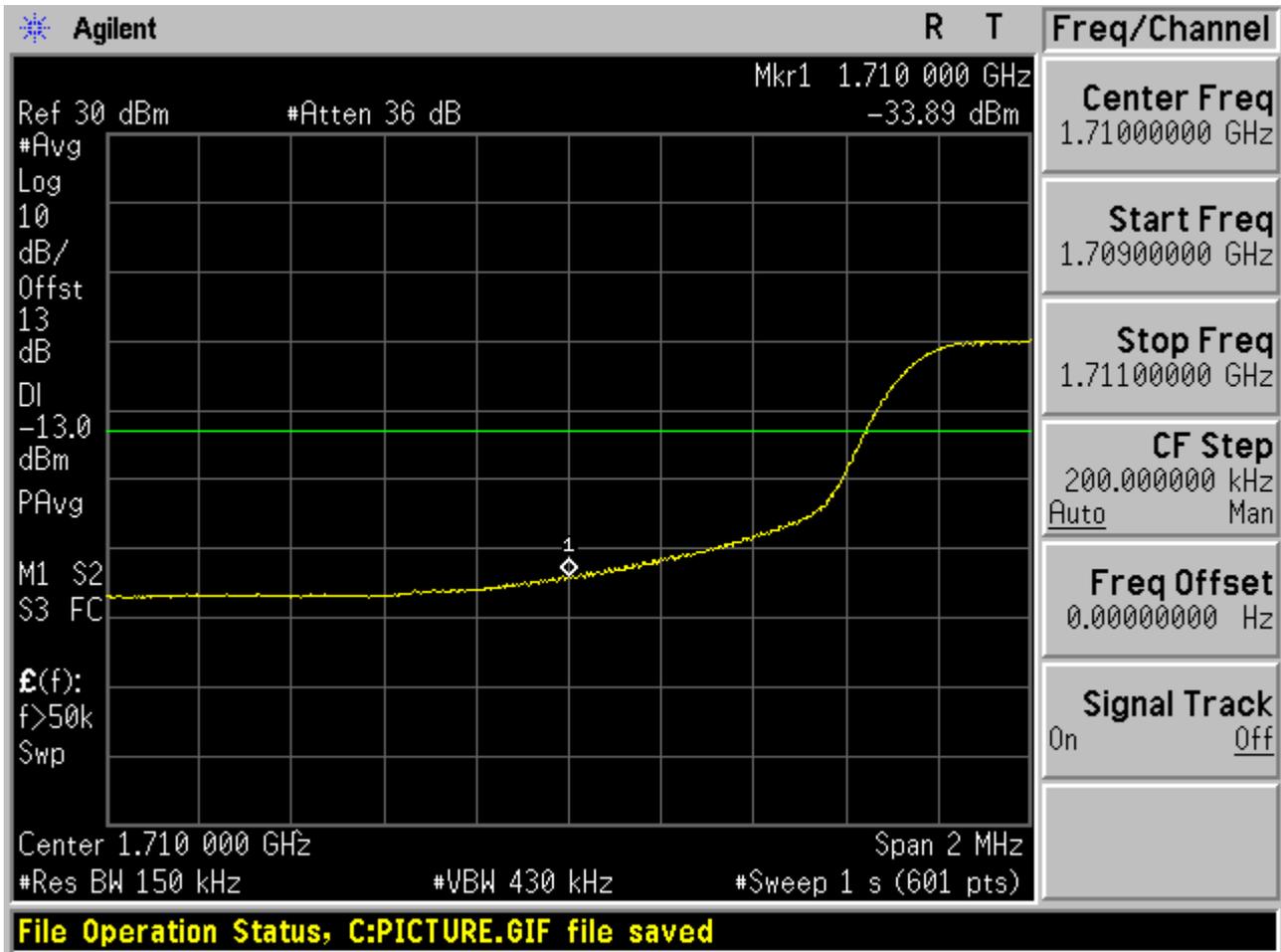


2.1.5.1.3 QPSK/non-1RB #mid/2





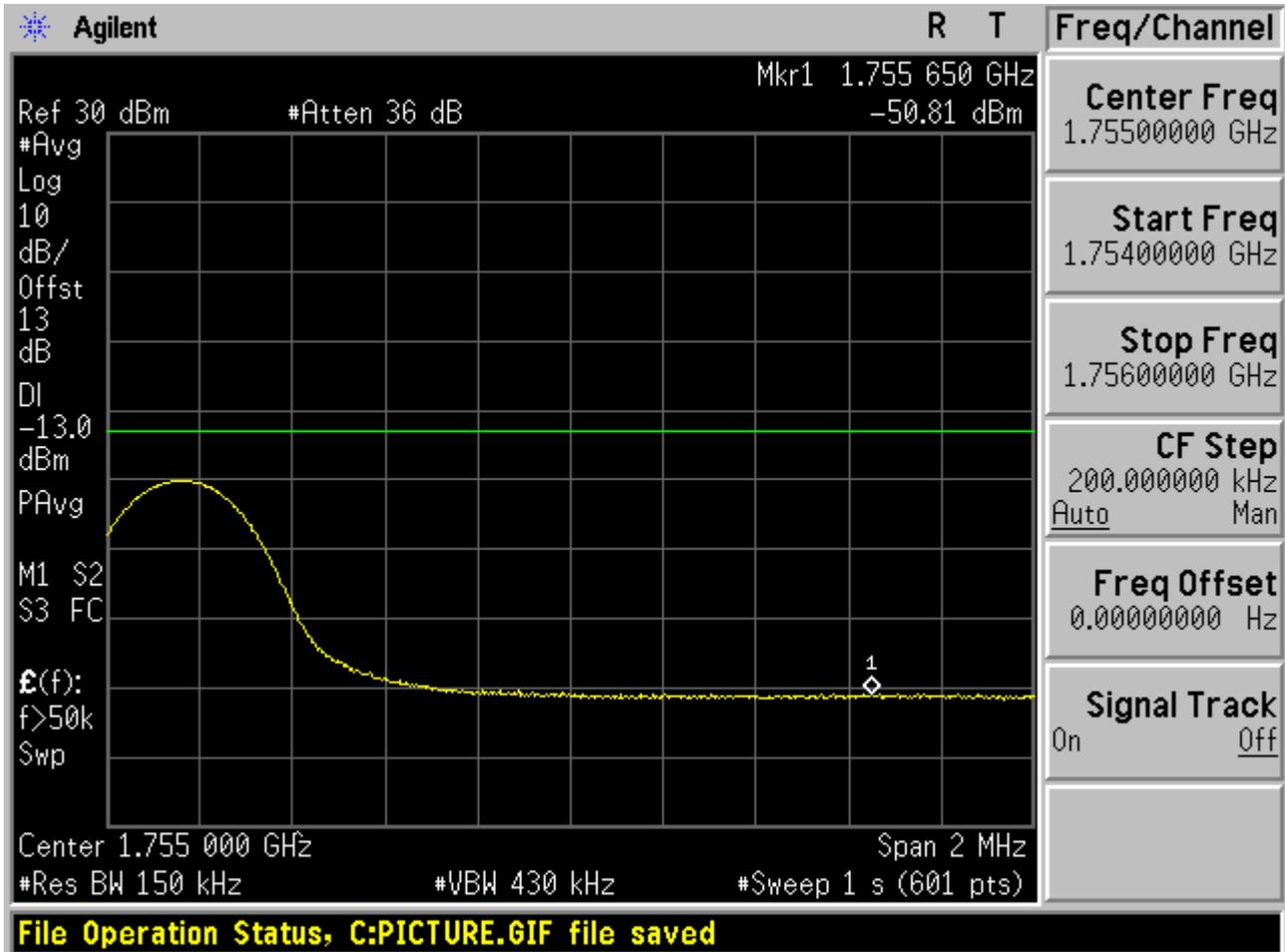
2.1.5.1.4 QPSK/full RBs





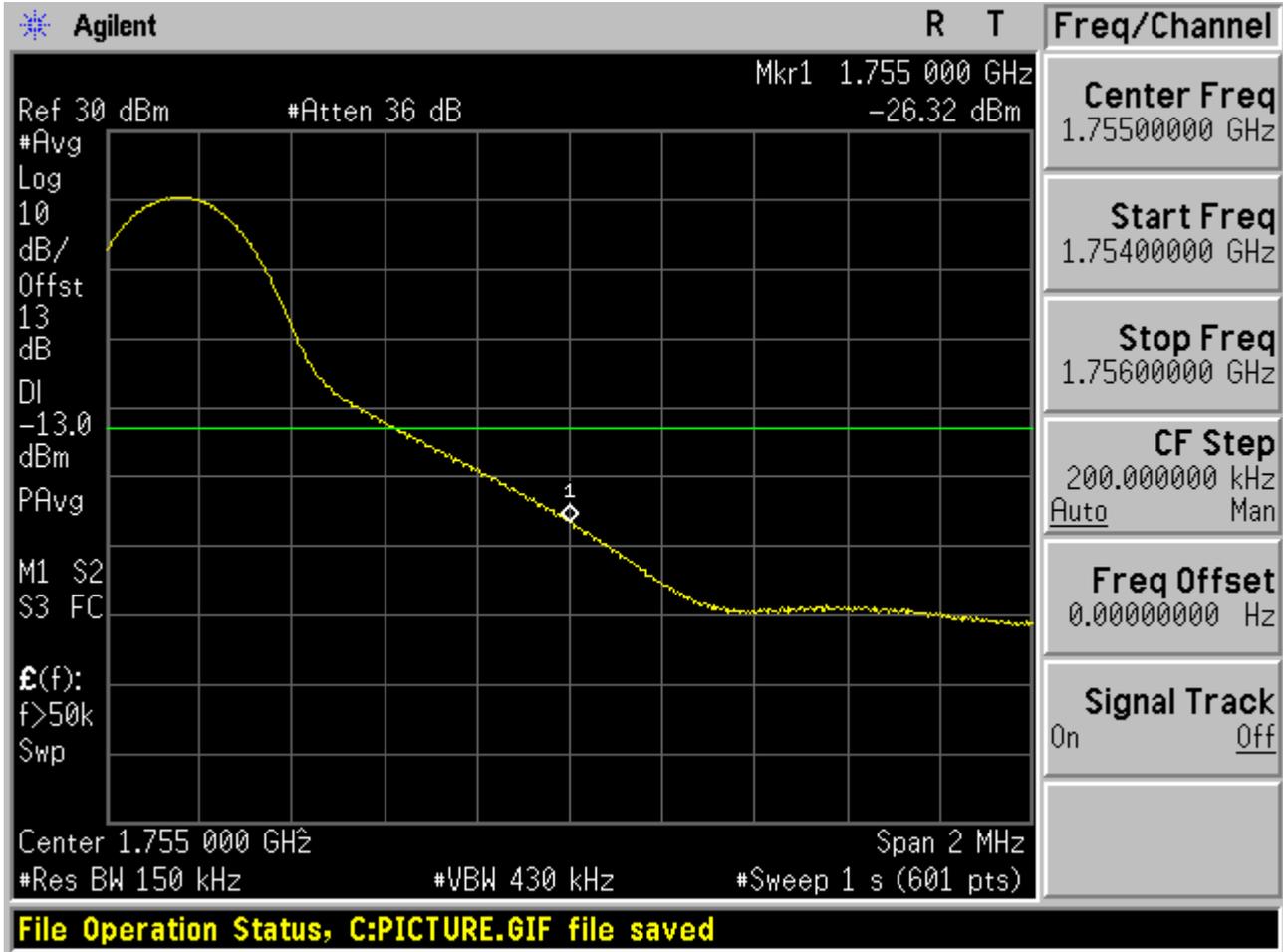
2.1.5.2 Channel= T

2.1.5.2.1 QPSK/1RB # 0



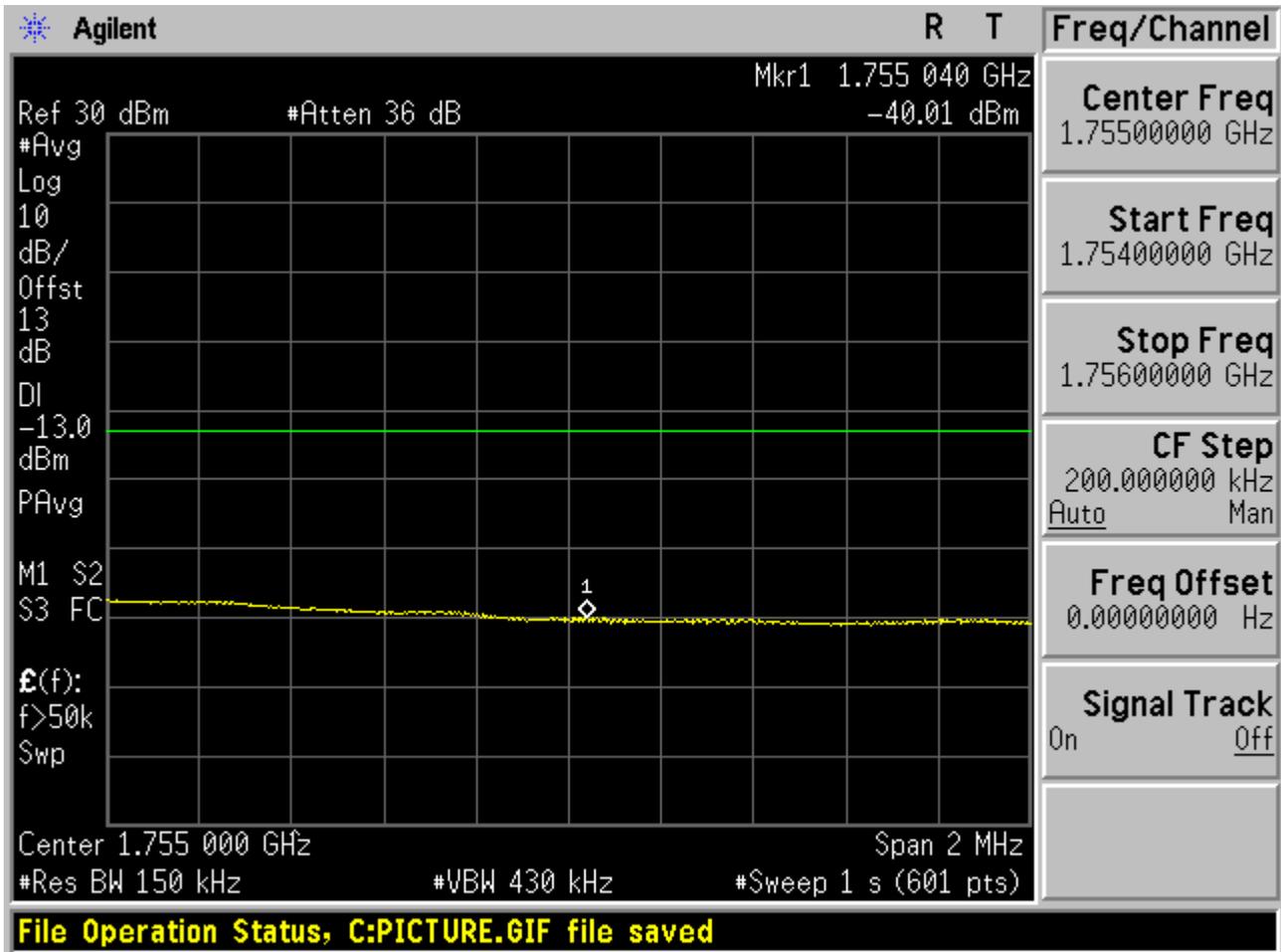


2.1.5.2.2 QPSK/1RB # max



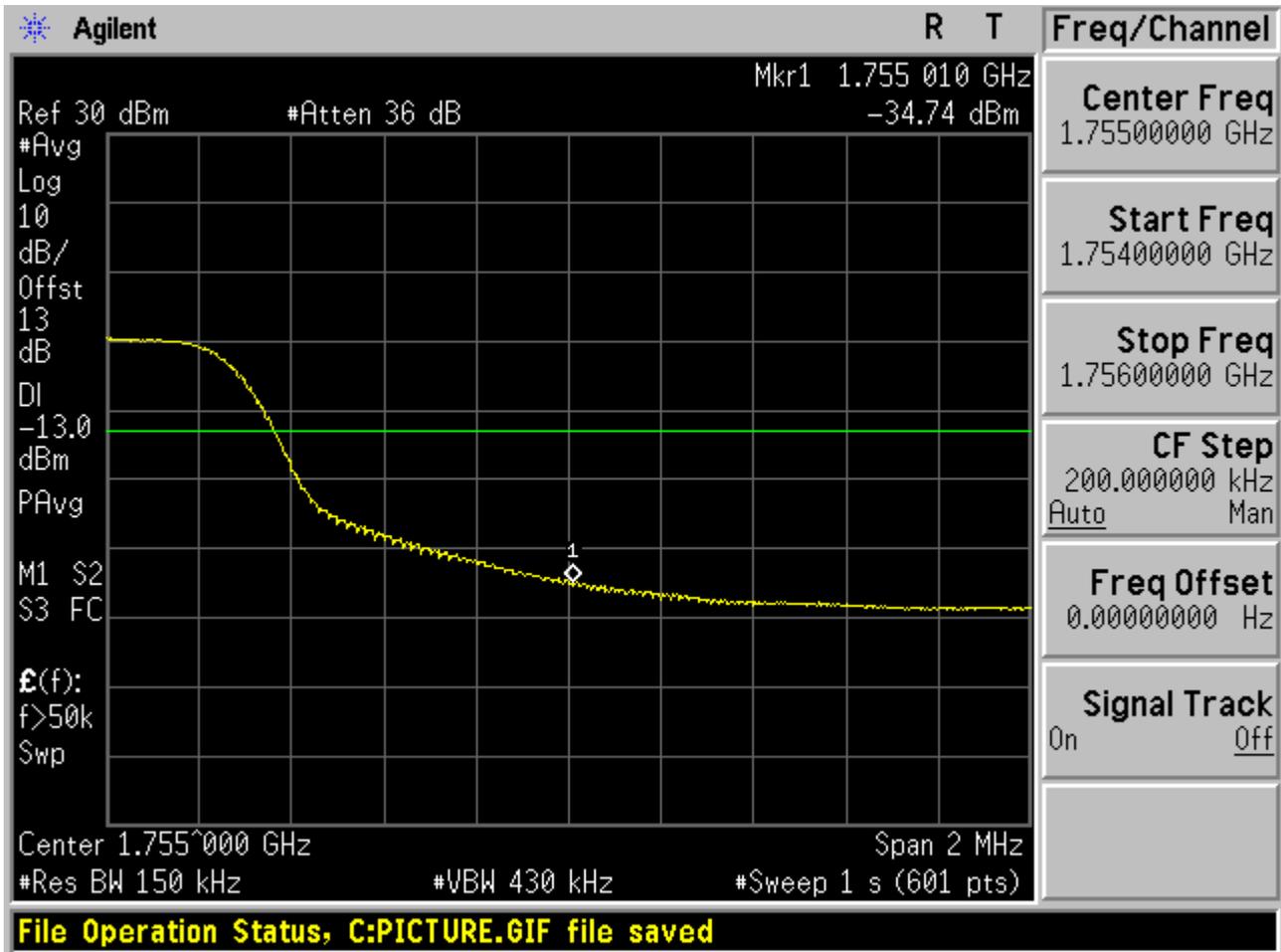


2.1.5.2.3 QPSK/non-1RB #mid/2





2.1.5.2.4 QPSK/full RBs

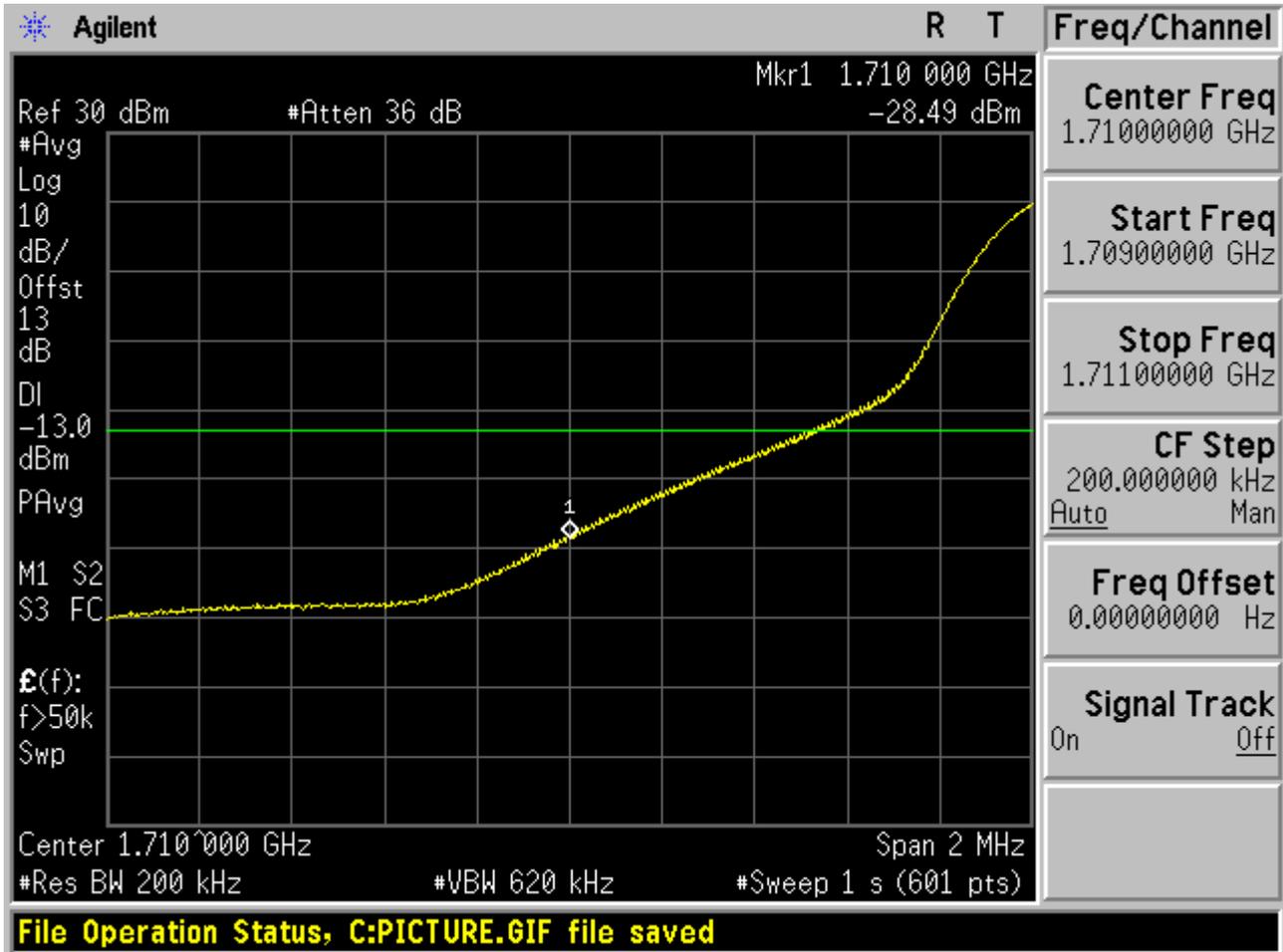




2.1.6 Channel Bandwidth = 20 MHz

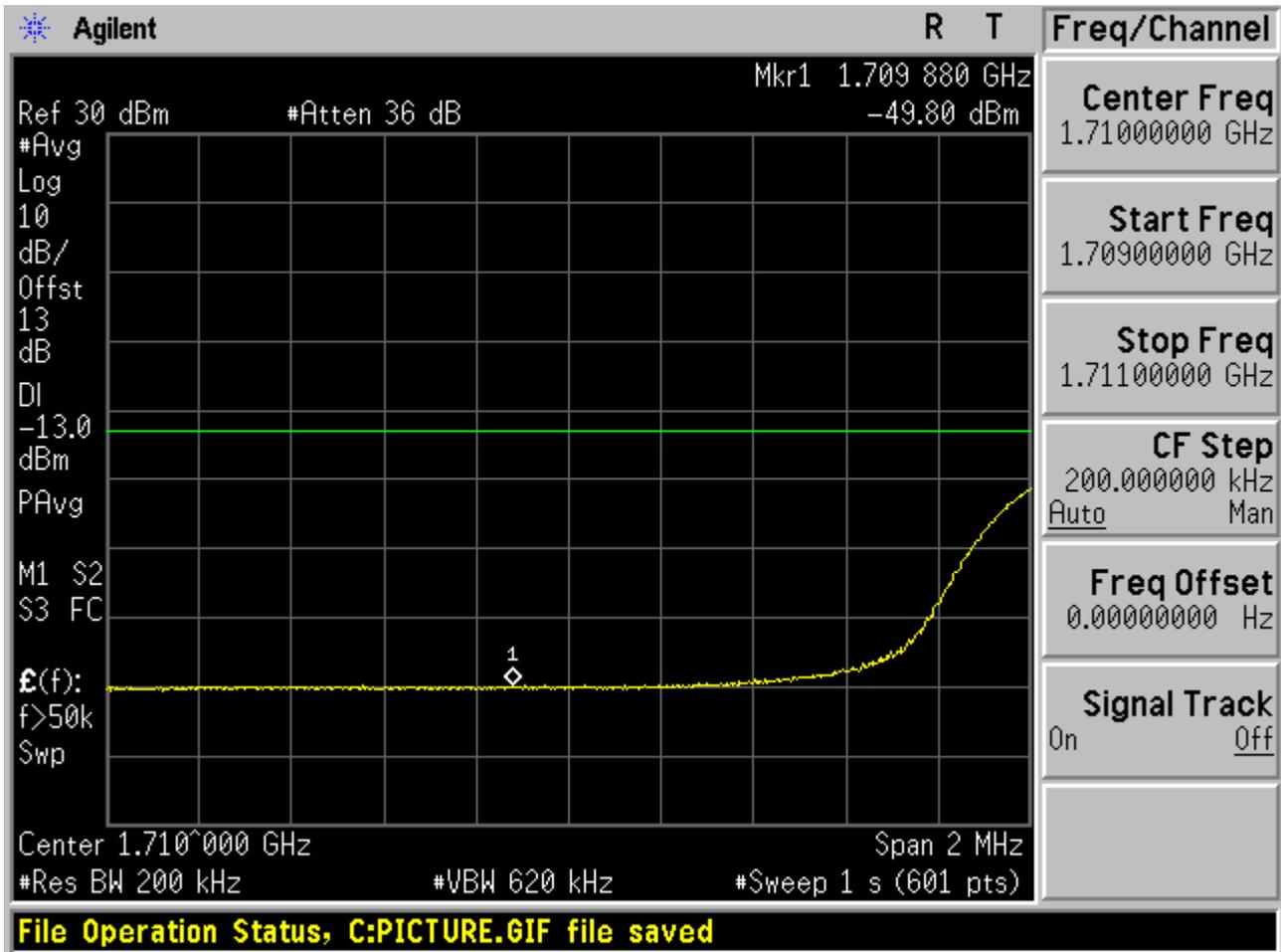
2.1.6.1 Channel= B

2.1.6.1.1 QPSK/1RB # 0



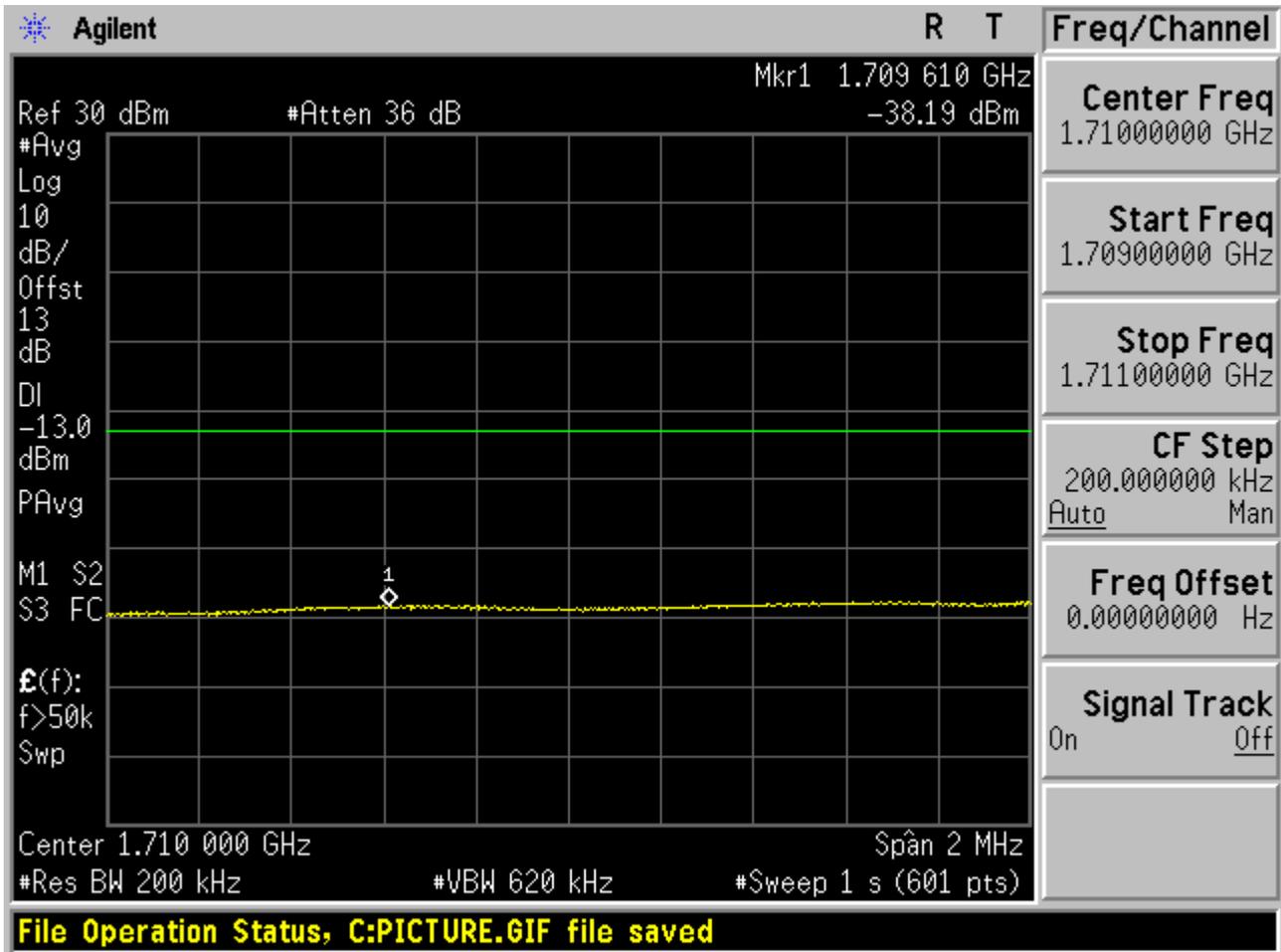


2.1.6.1.2 QPSK/1RB # max



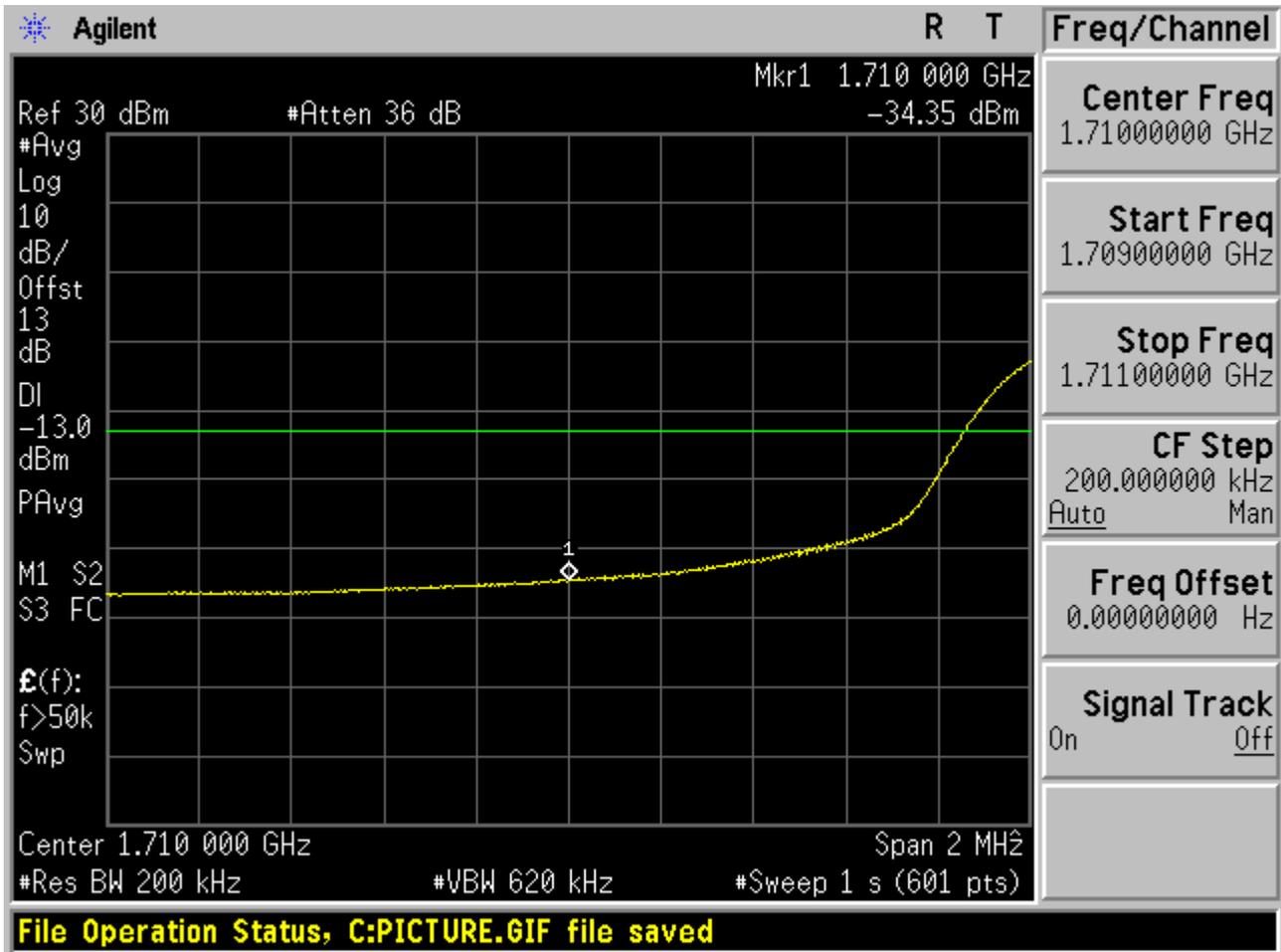


2.1.6.1.3 QPSK/non-1RB #mid/2





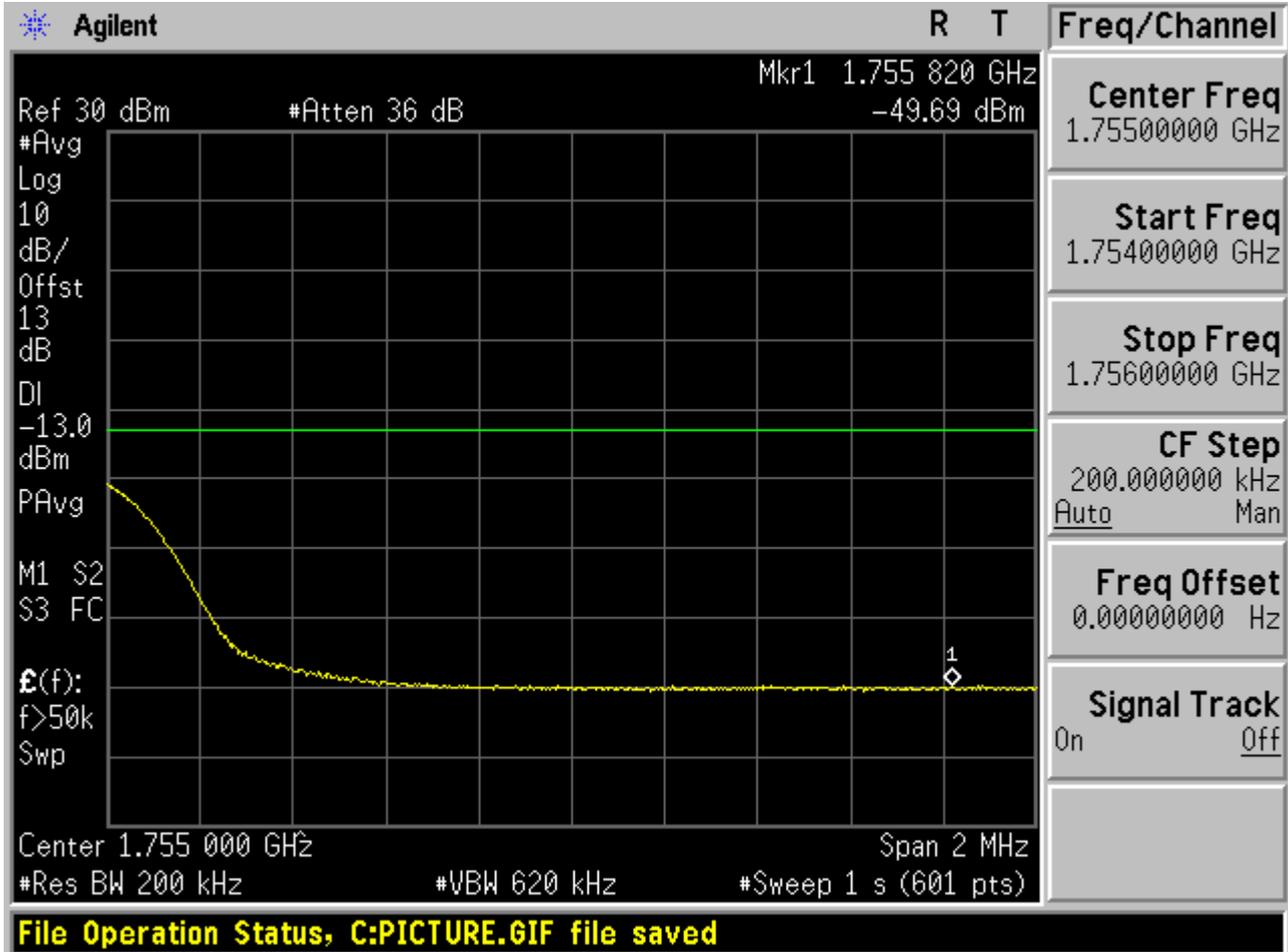
2.1.6.1.4 QPSK/full RBs





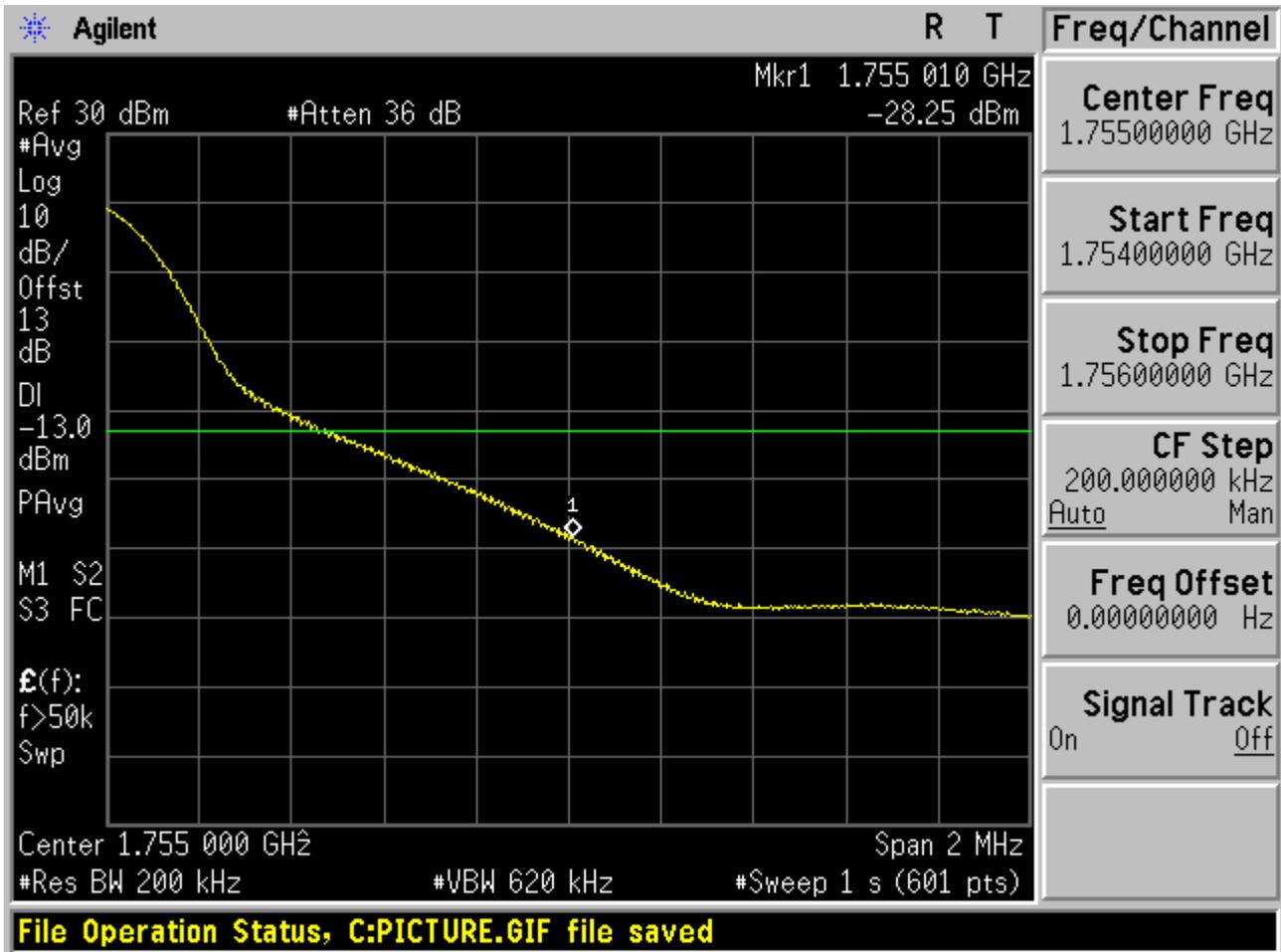
2.1.6.2 Channel= T

2.1.6.2.1 QPSK/1RB # 0



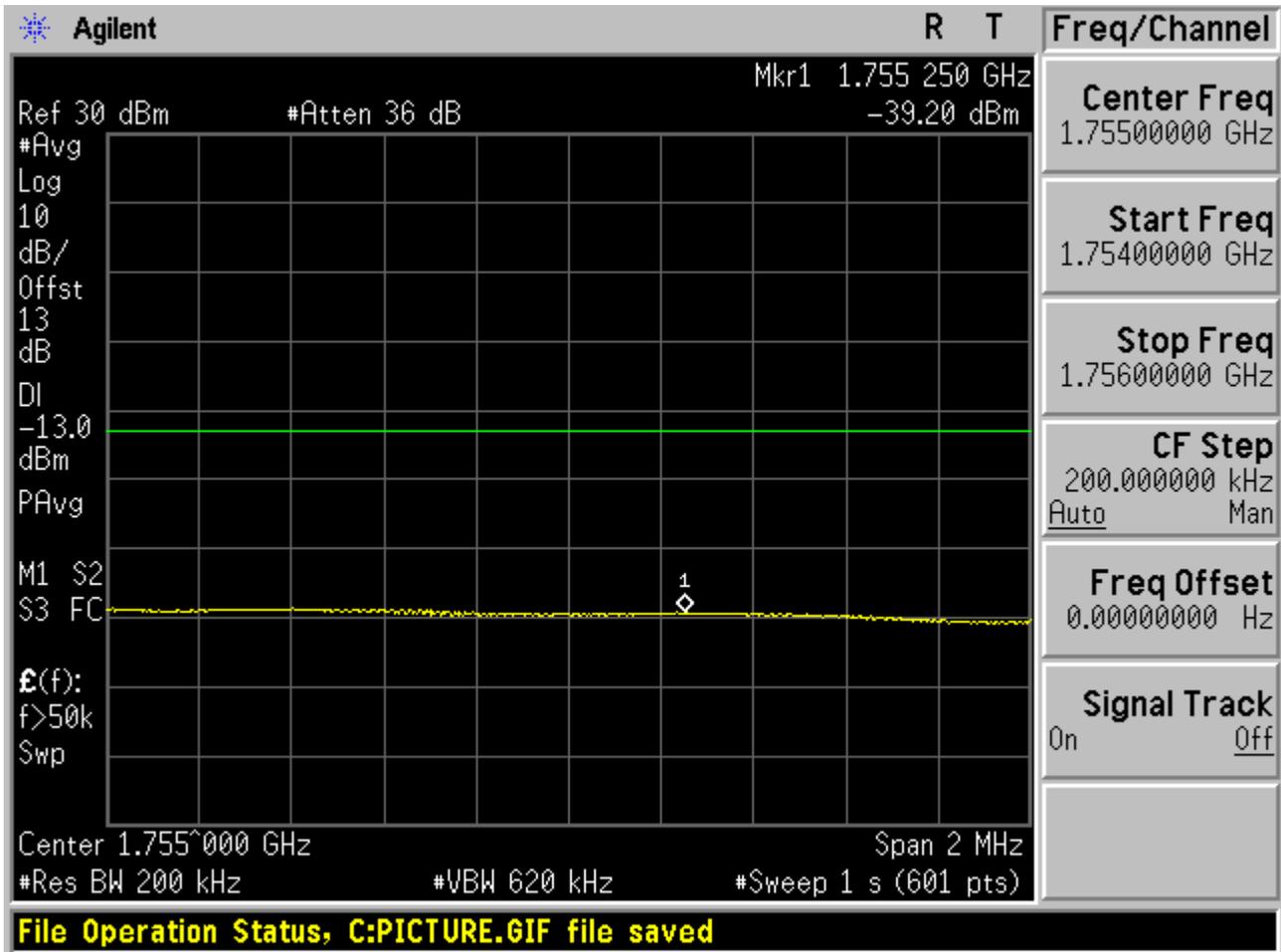


2.1.6.2.2 QPSK/1RB # max



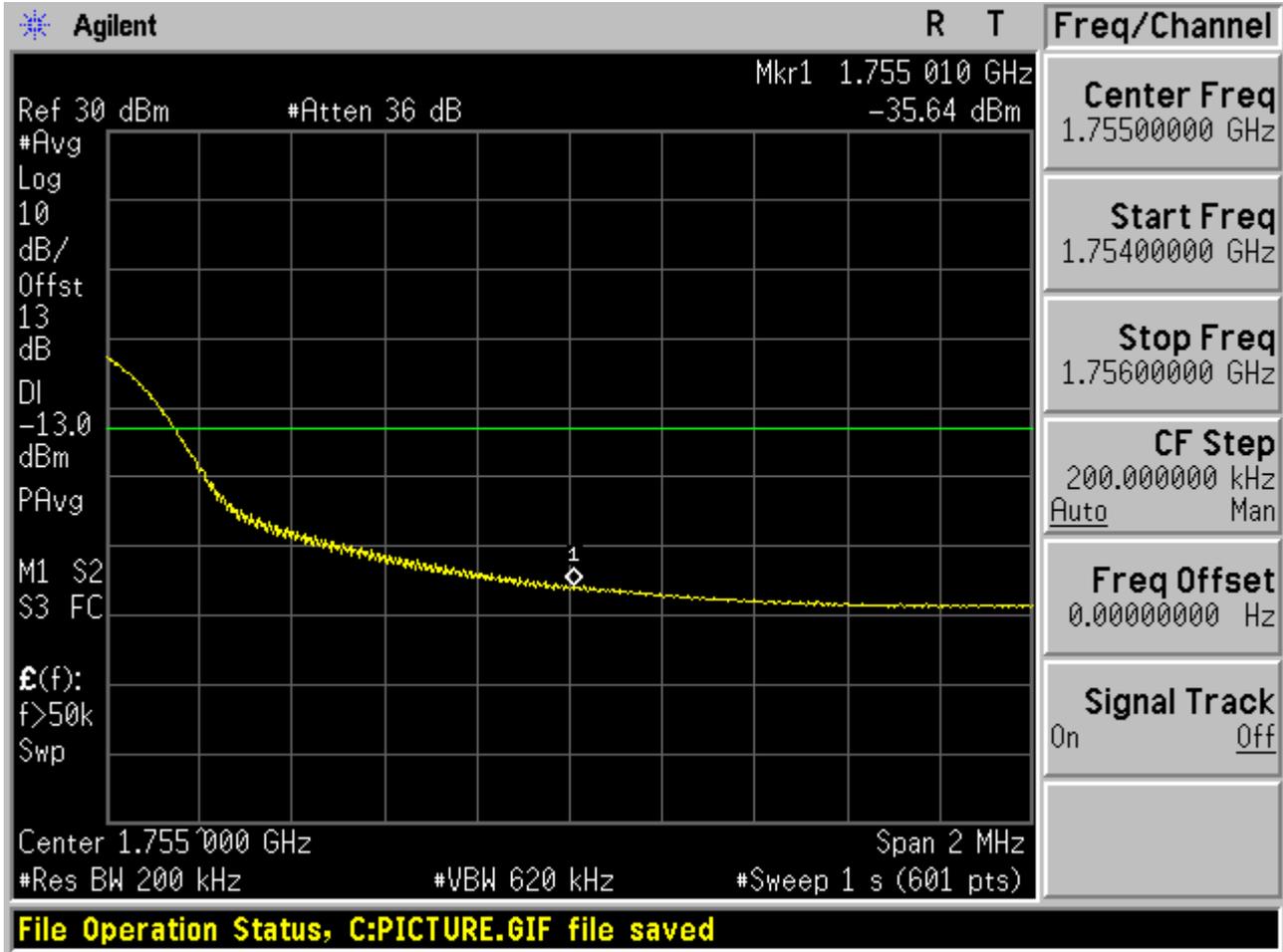


2.1.6.2.3 QPSK/non-1RB #mid/2





2.1.6.2.4 QPSK/full RBs



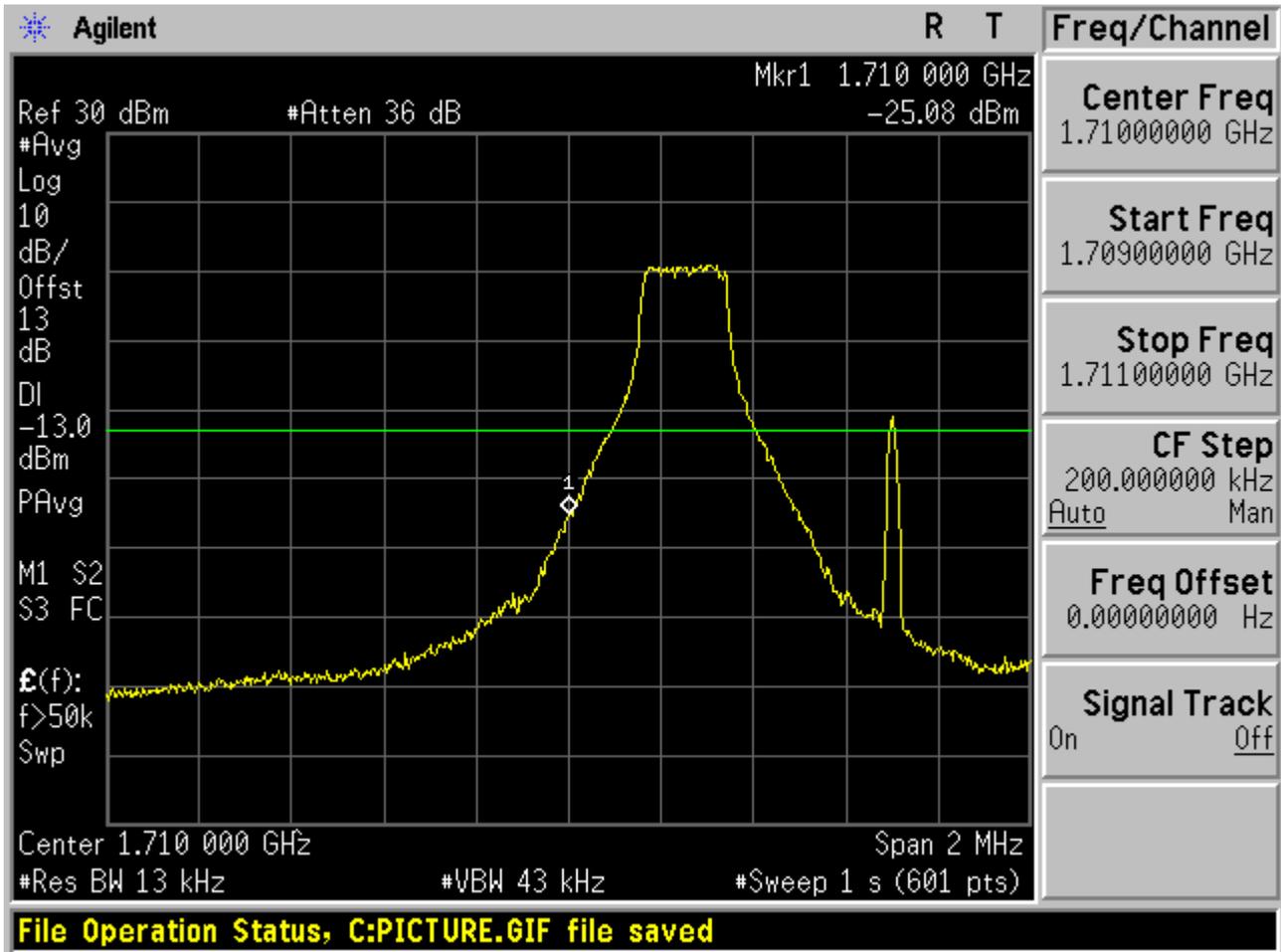


2.2 Test Mode=TM5

2.2.1 Channel Bandwidth = 1.4 MHz

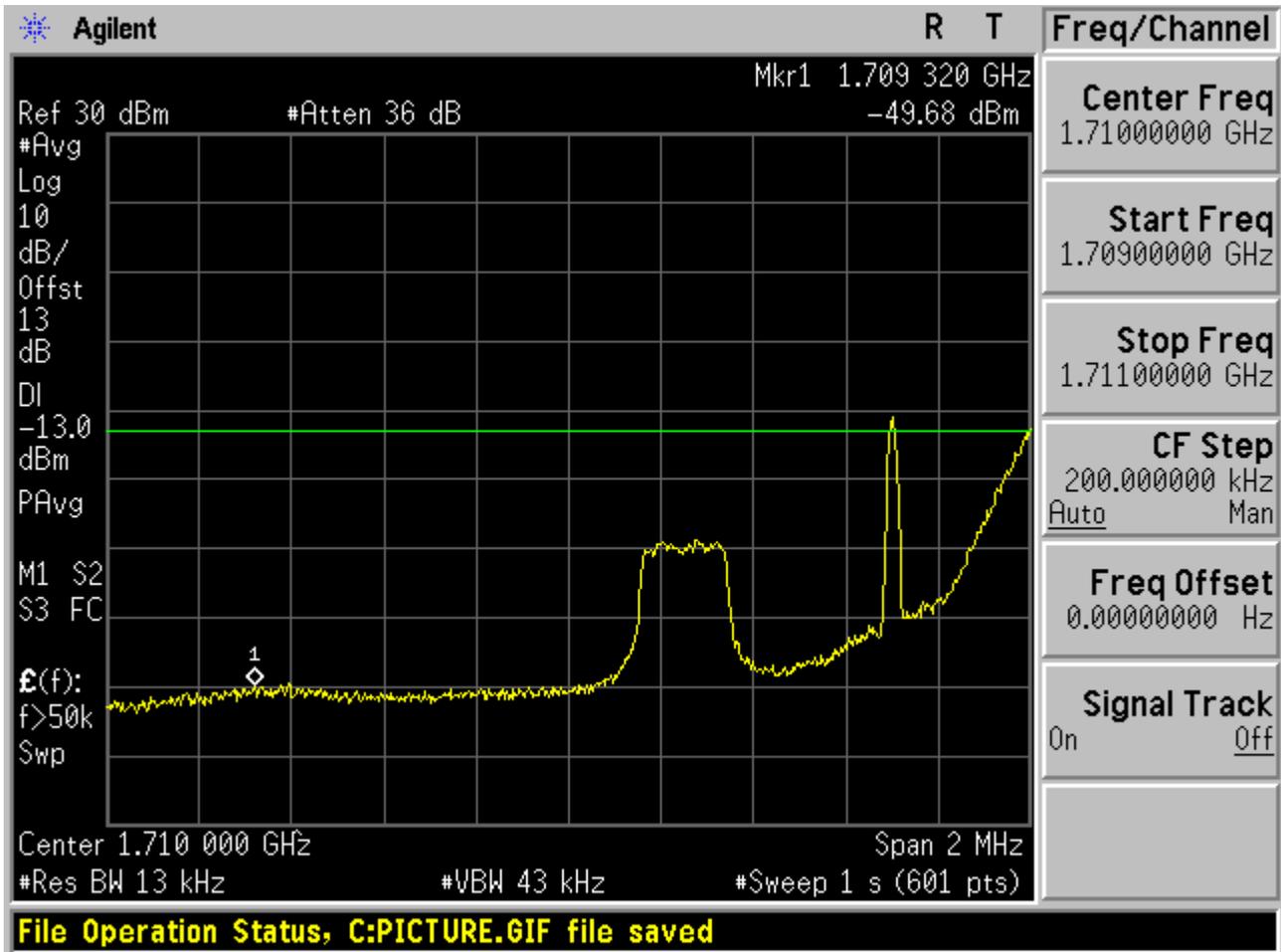
2.2.1.1 Channel= B

2.2.1.1.1 16QAM/1RB #0



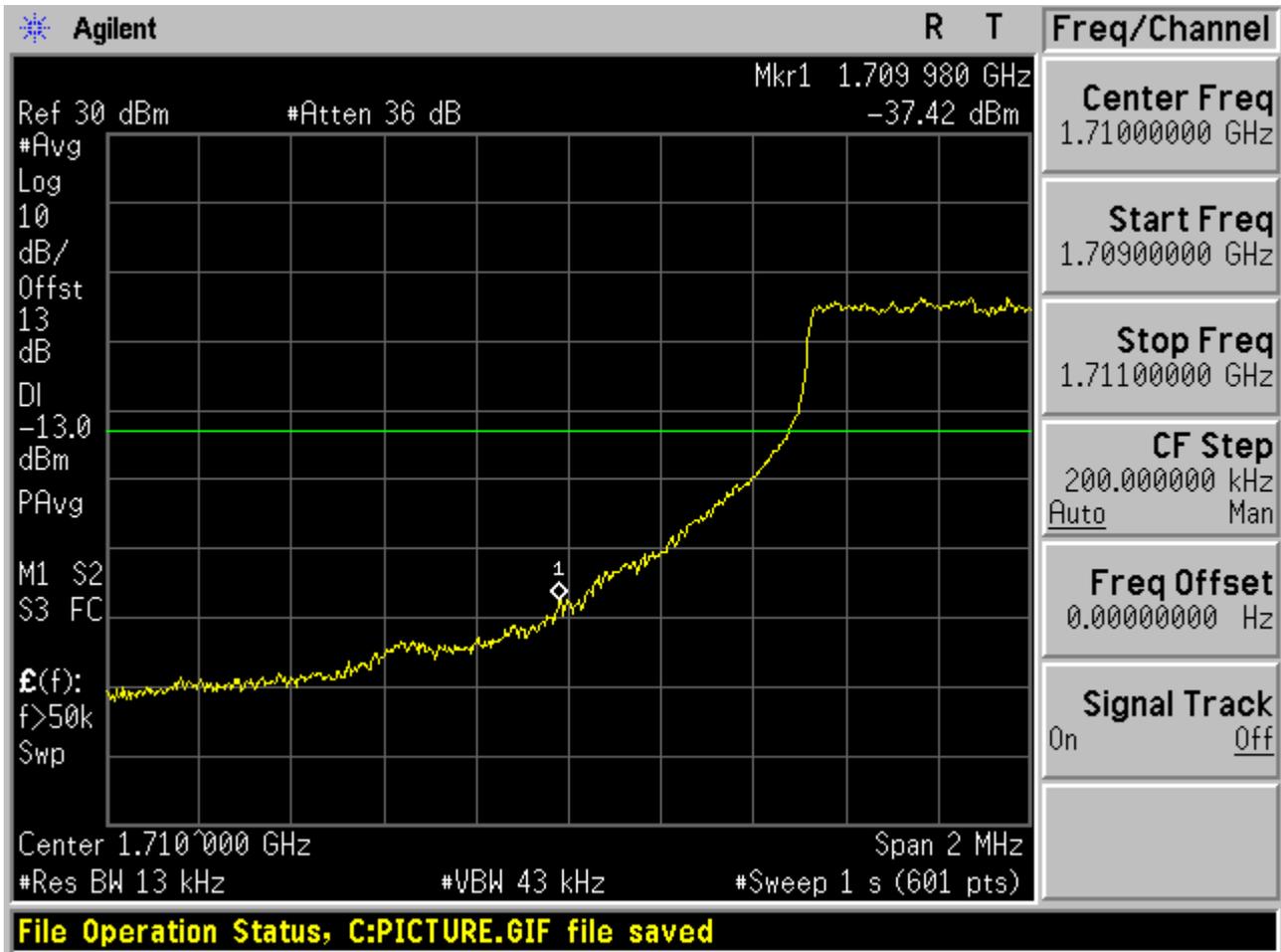


2.2.1.1.2 16QAM/1RB #max



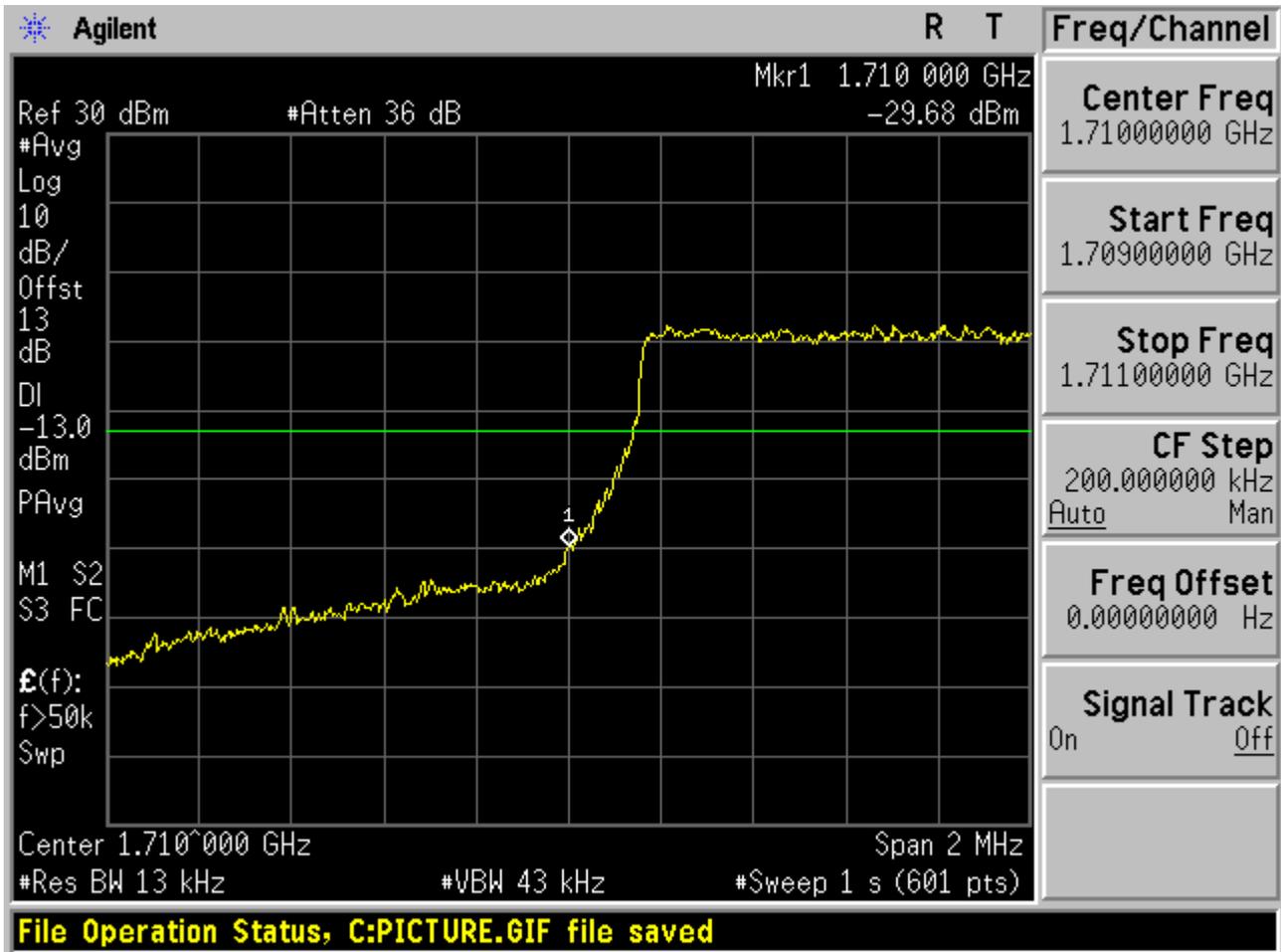


2.2.1.1.3 16QAM / non-1RB #mid/2





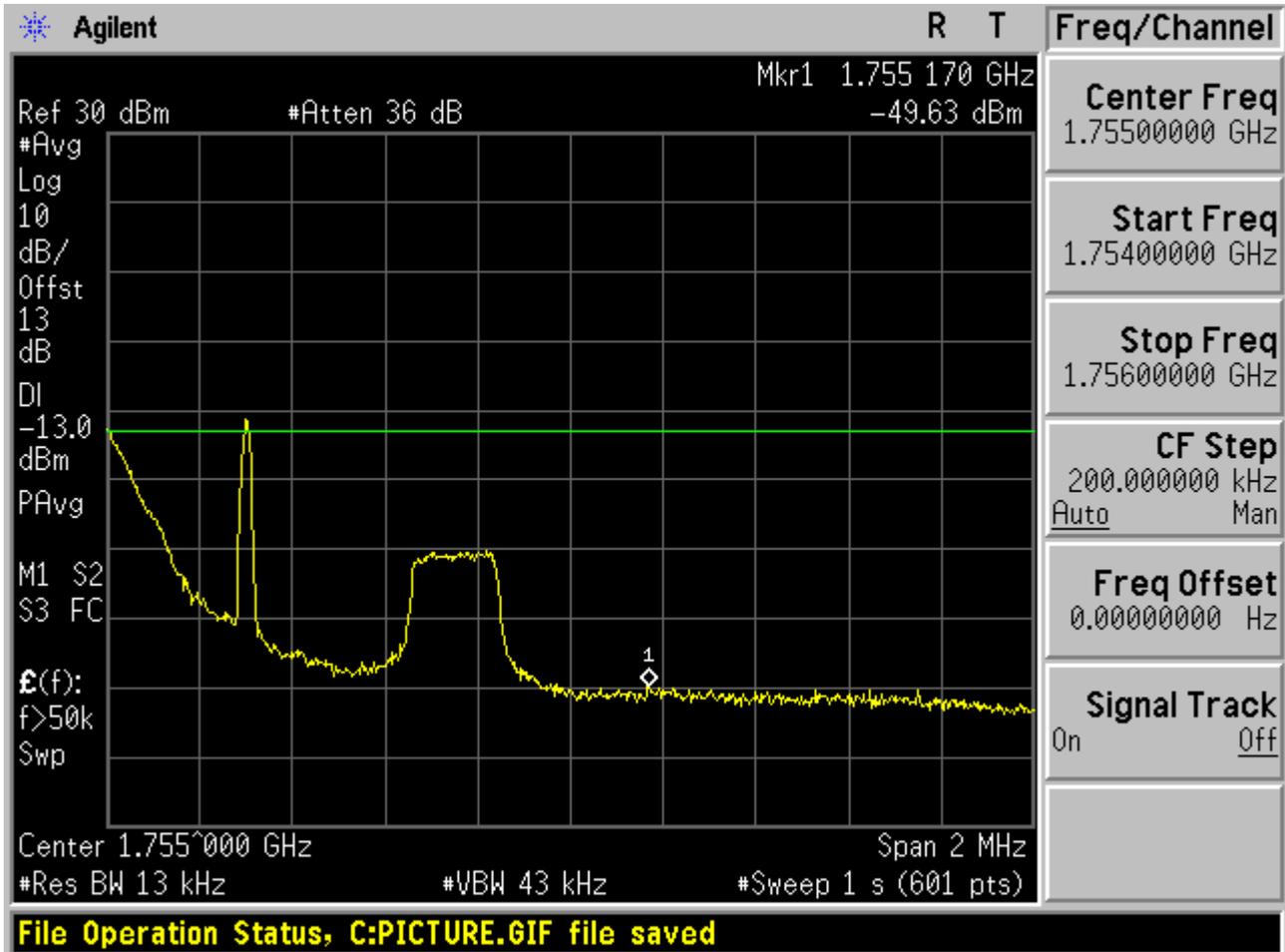
2.2.1.1.4 16QAM /full RBs





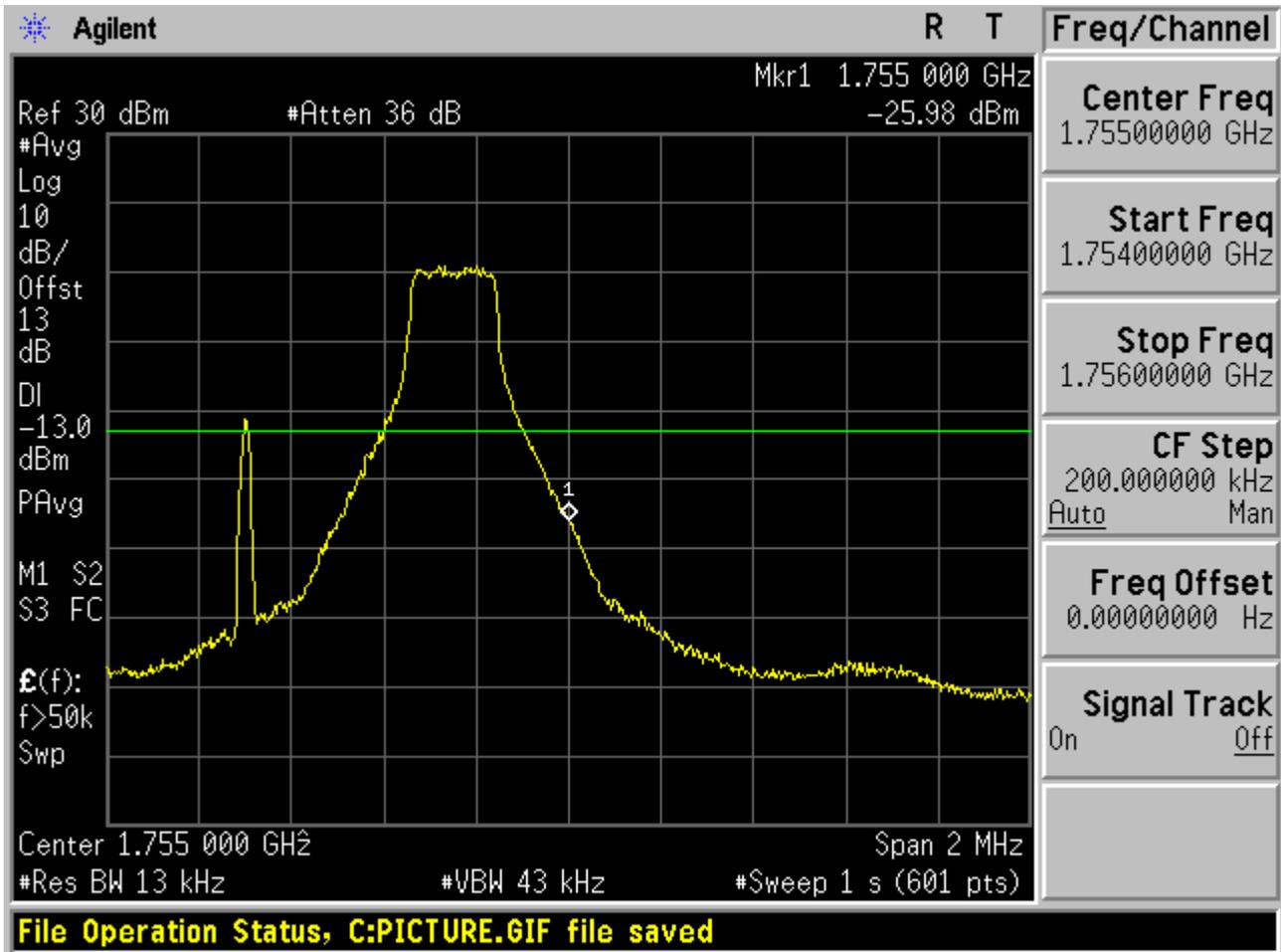
2.2.1.2 Channel= T

2.2.1.2.1 16QAM /1RB #0



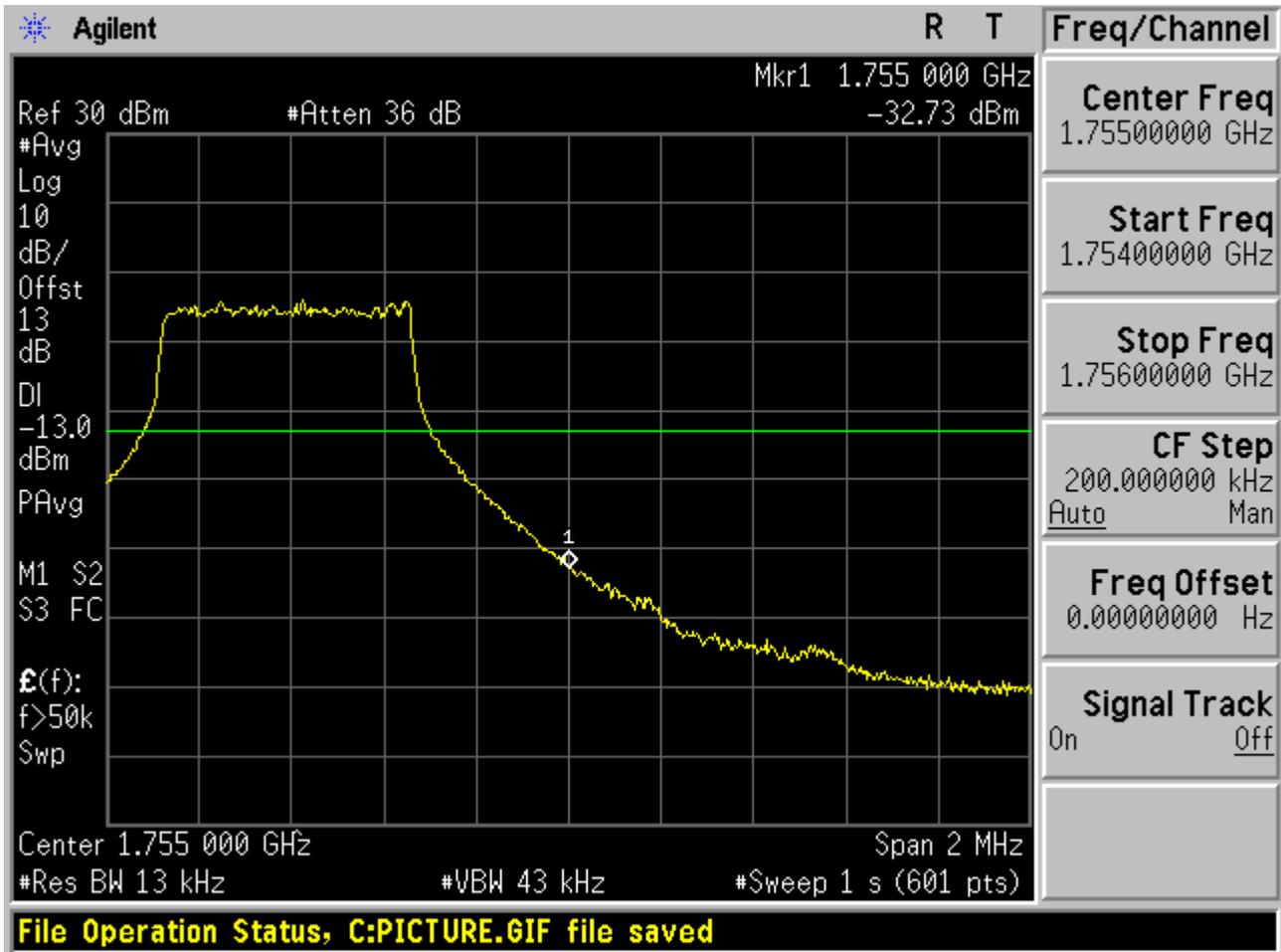


2.2.1.2.2 16QAM /1RB #max



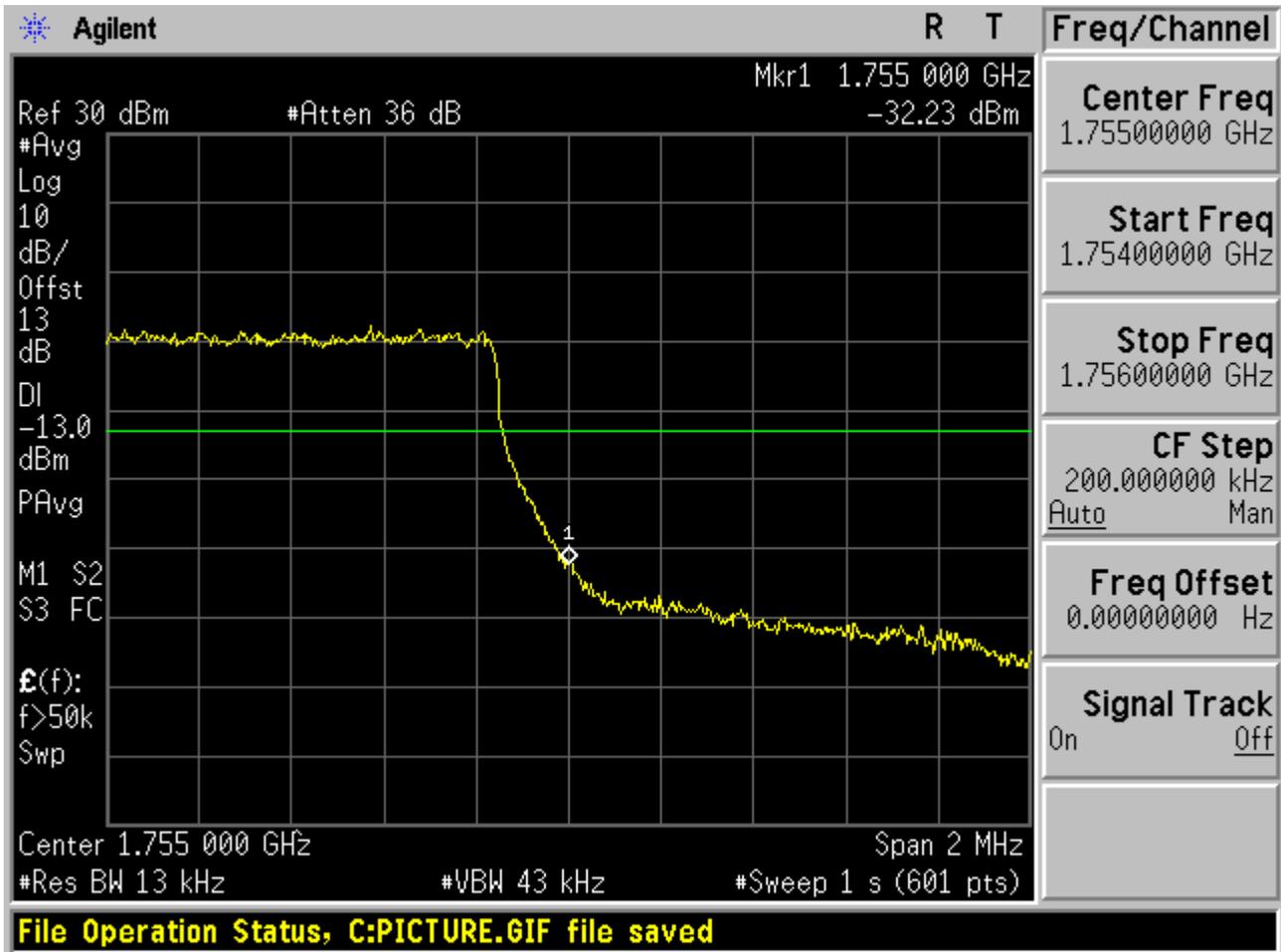


2.2.1.2.3 16QAM / non-1RB #mid/2





2.2.1.2.4 16QAM /full RBs

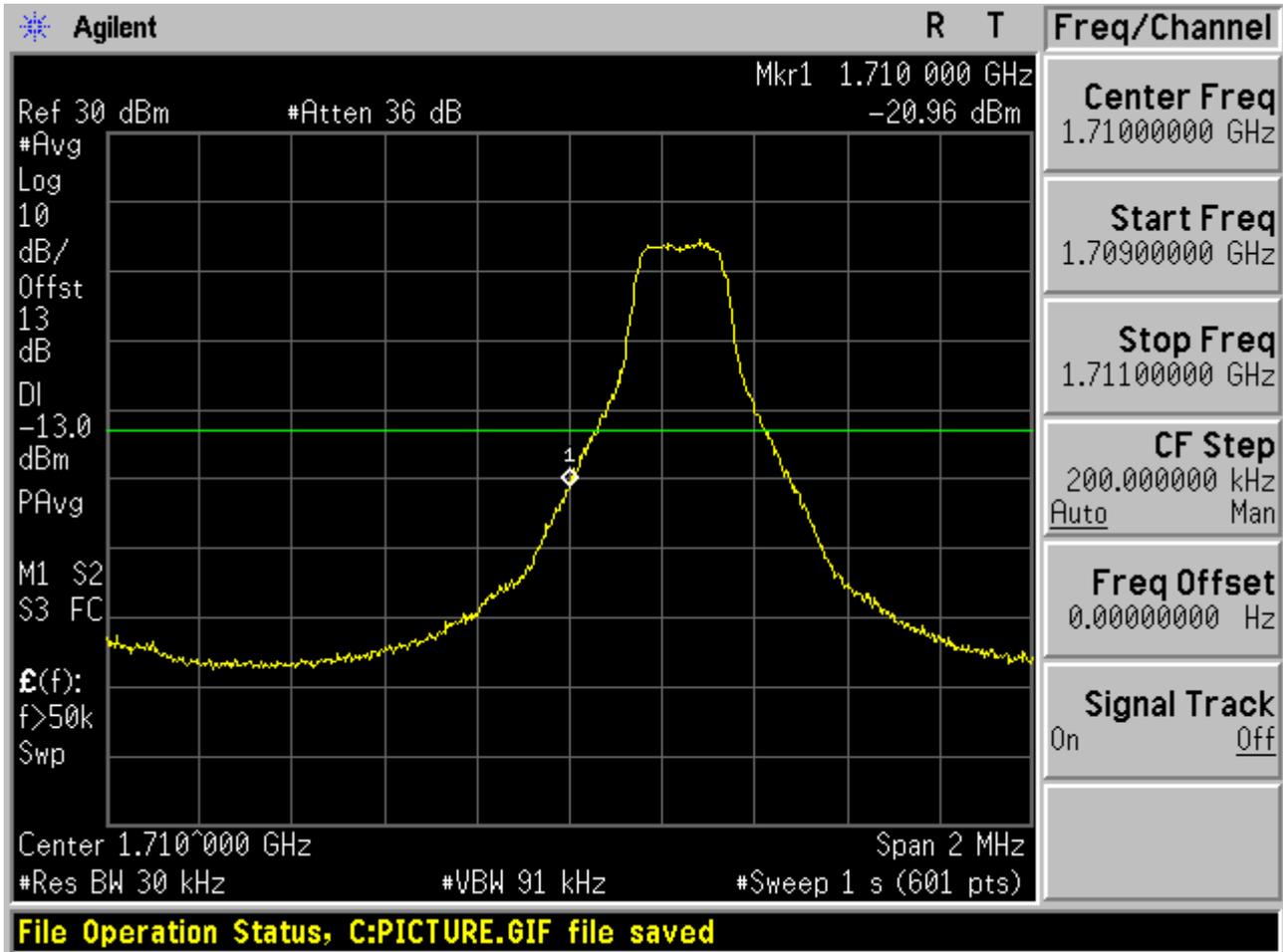




2.2.2 Channel Bandwidth = 3 MHz

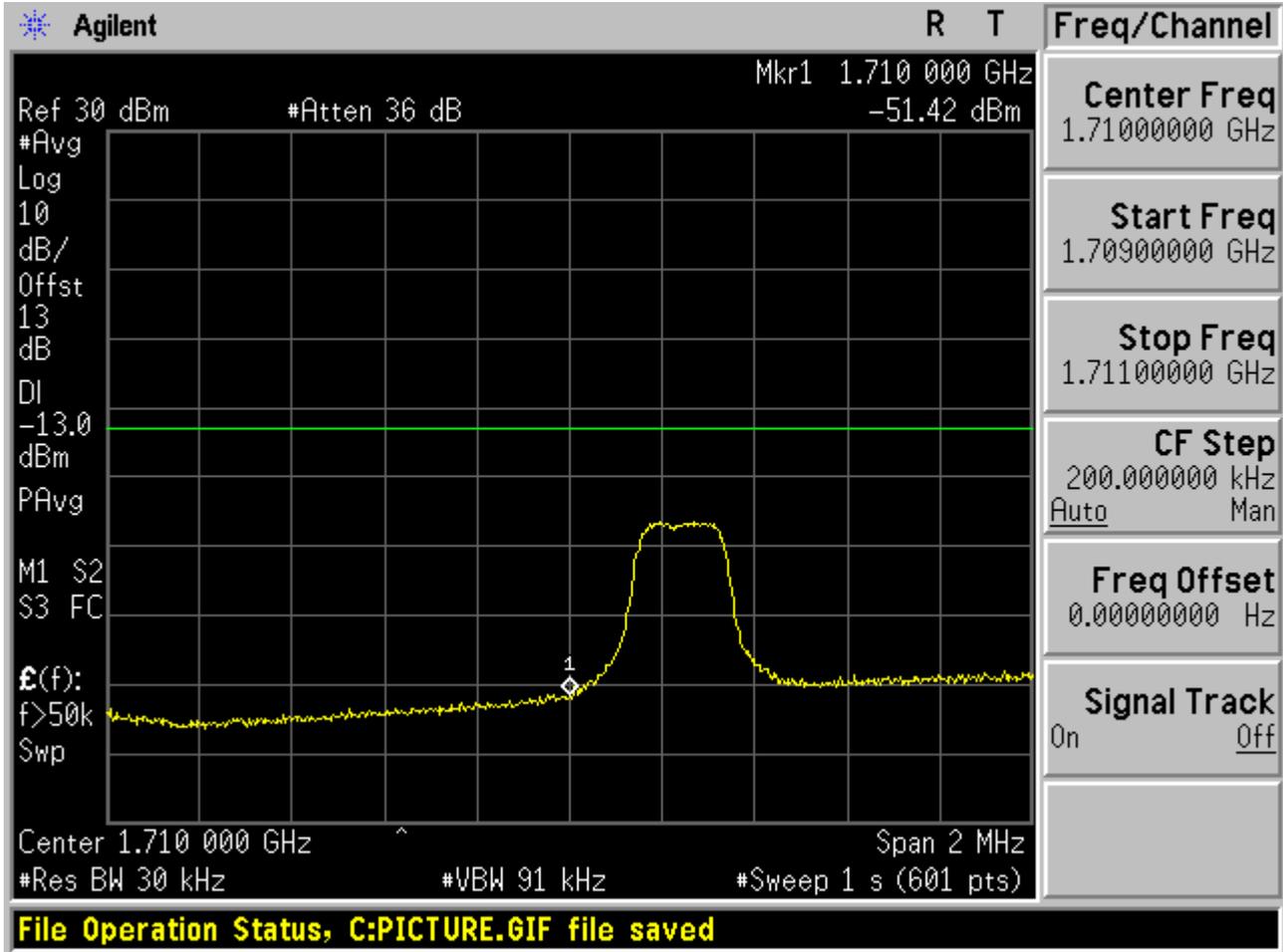
2.2.2.1 Channel= B

2.2.2.1.1 16QAM/1RB #0



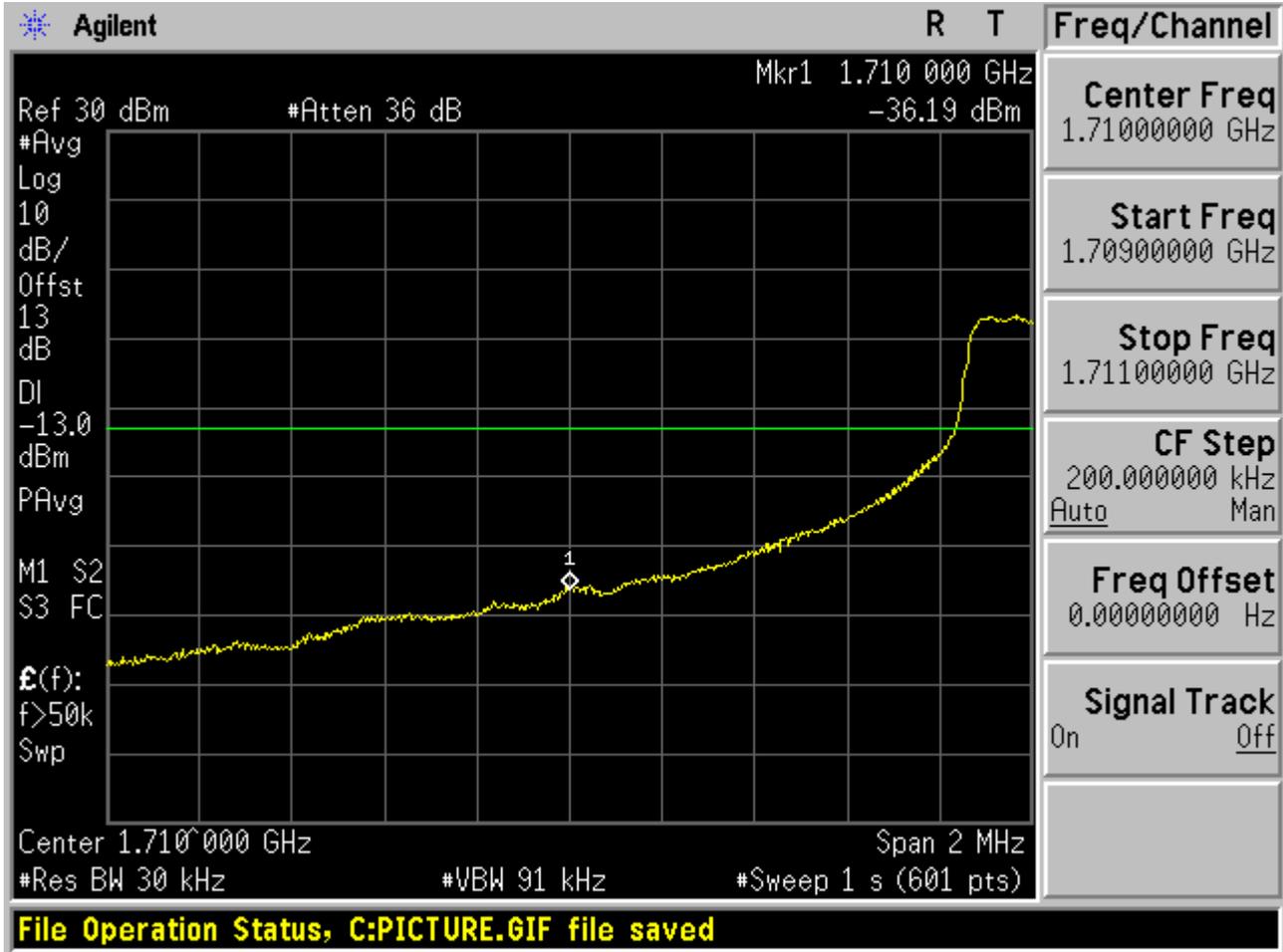


2.2.2.1.2 16QAM/1RB #max



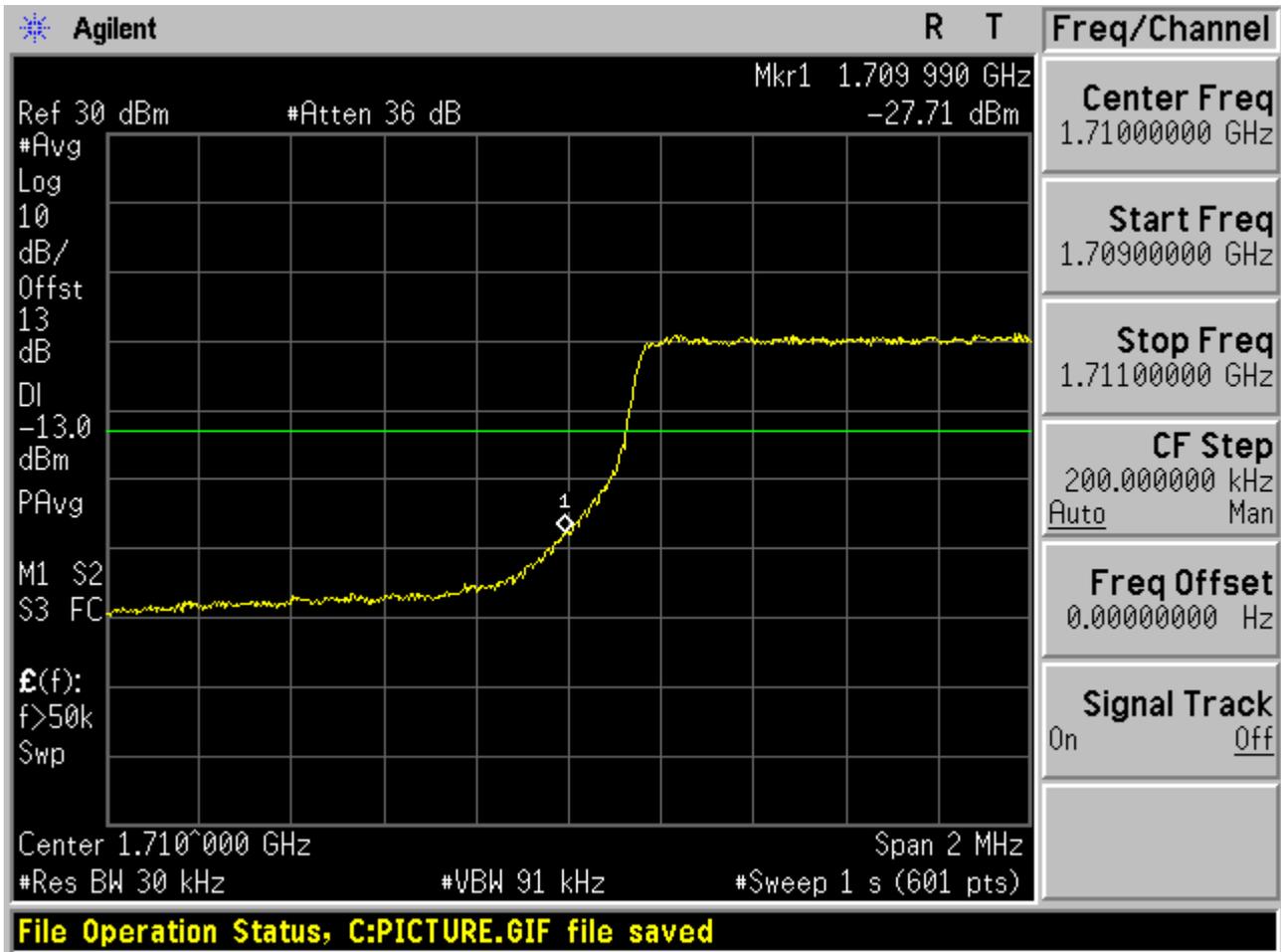


2.2.2.1.3 16QAM / non-1RB #mid/2





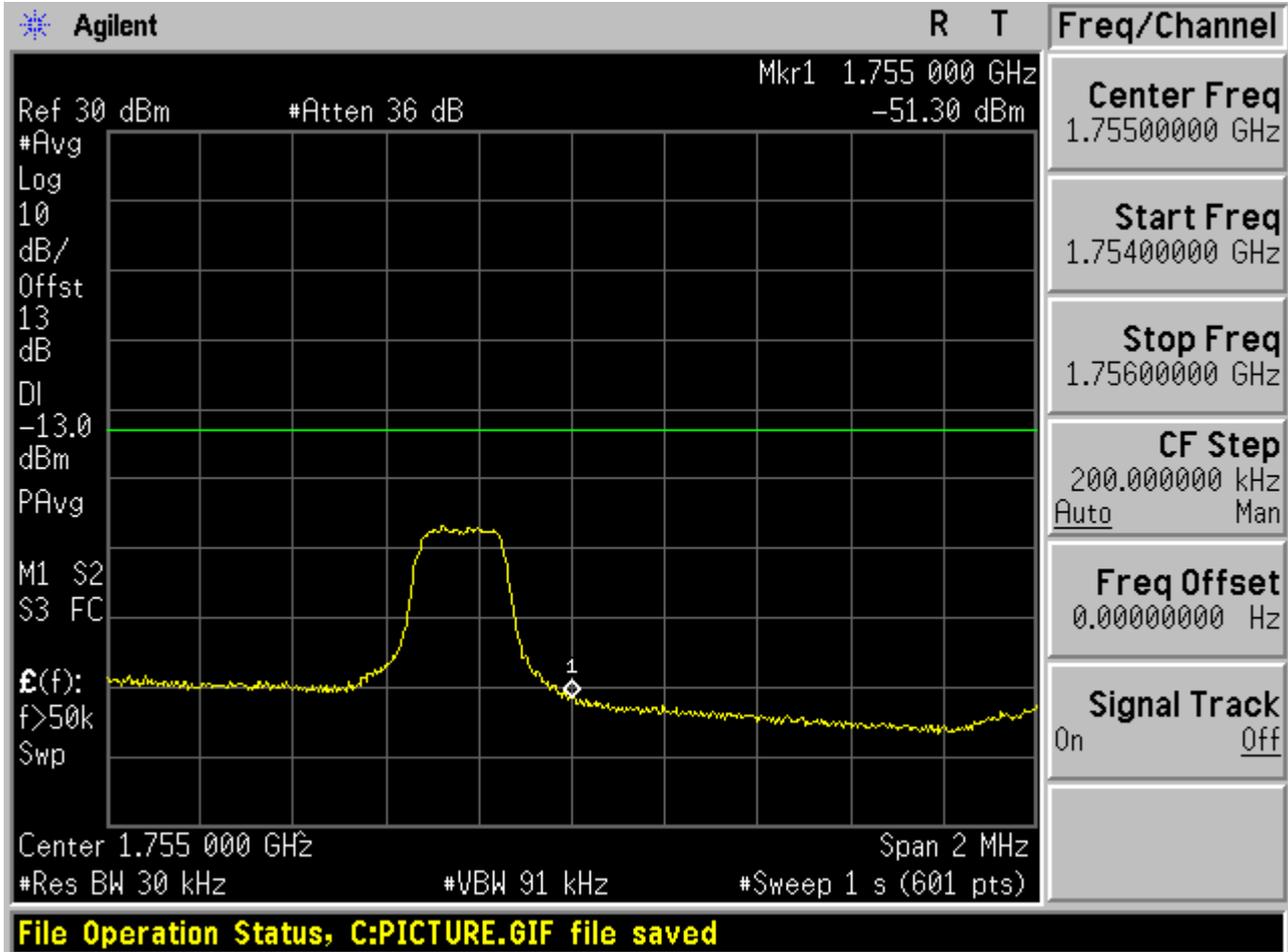
2.2.2.1.4 16QAM /full RBs





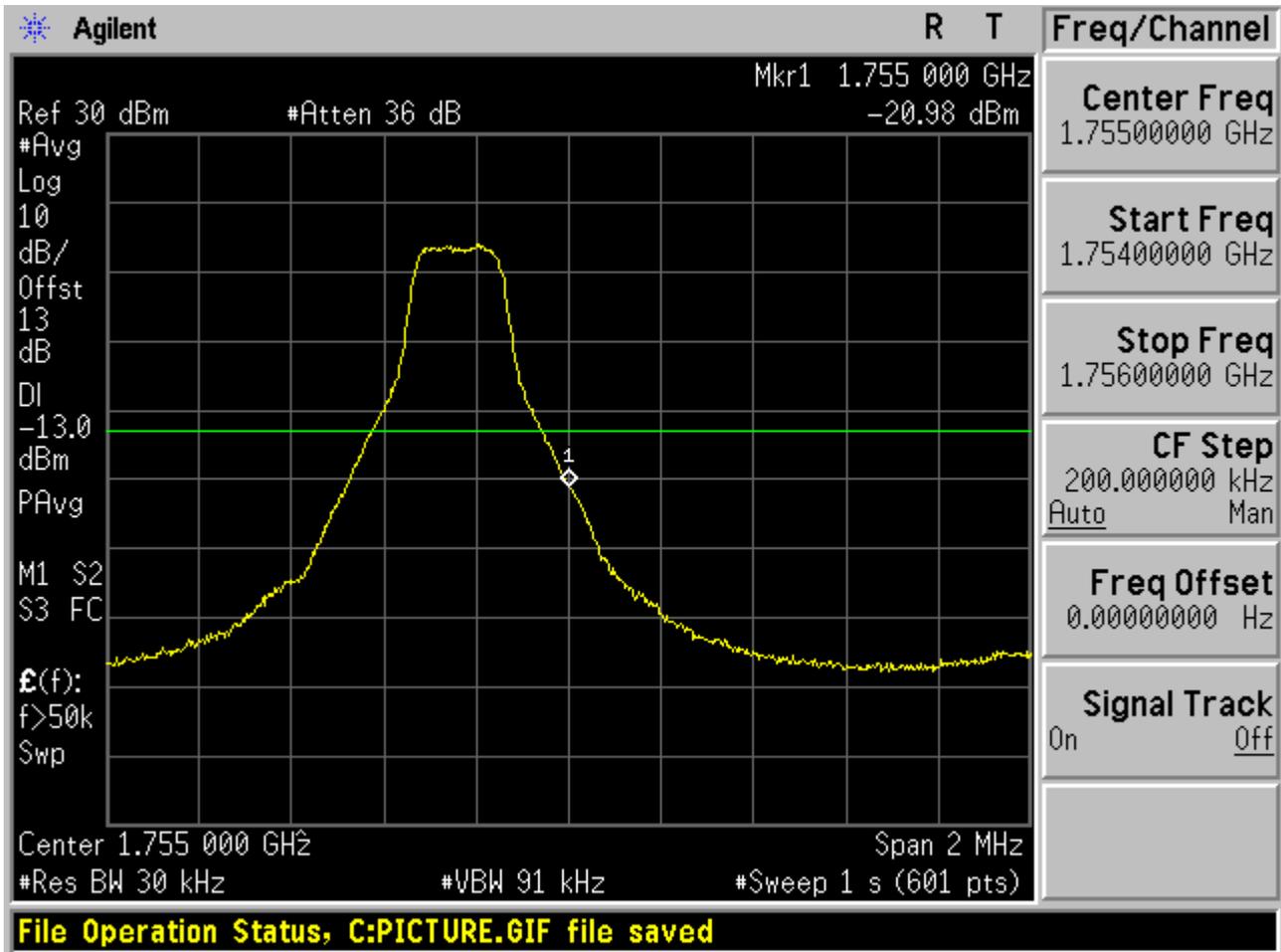
2.2.2.2 Channel= T

2.2.2.2.1 16QAM /1RB #0



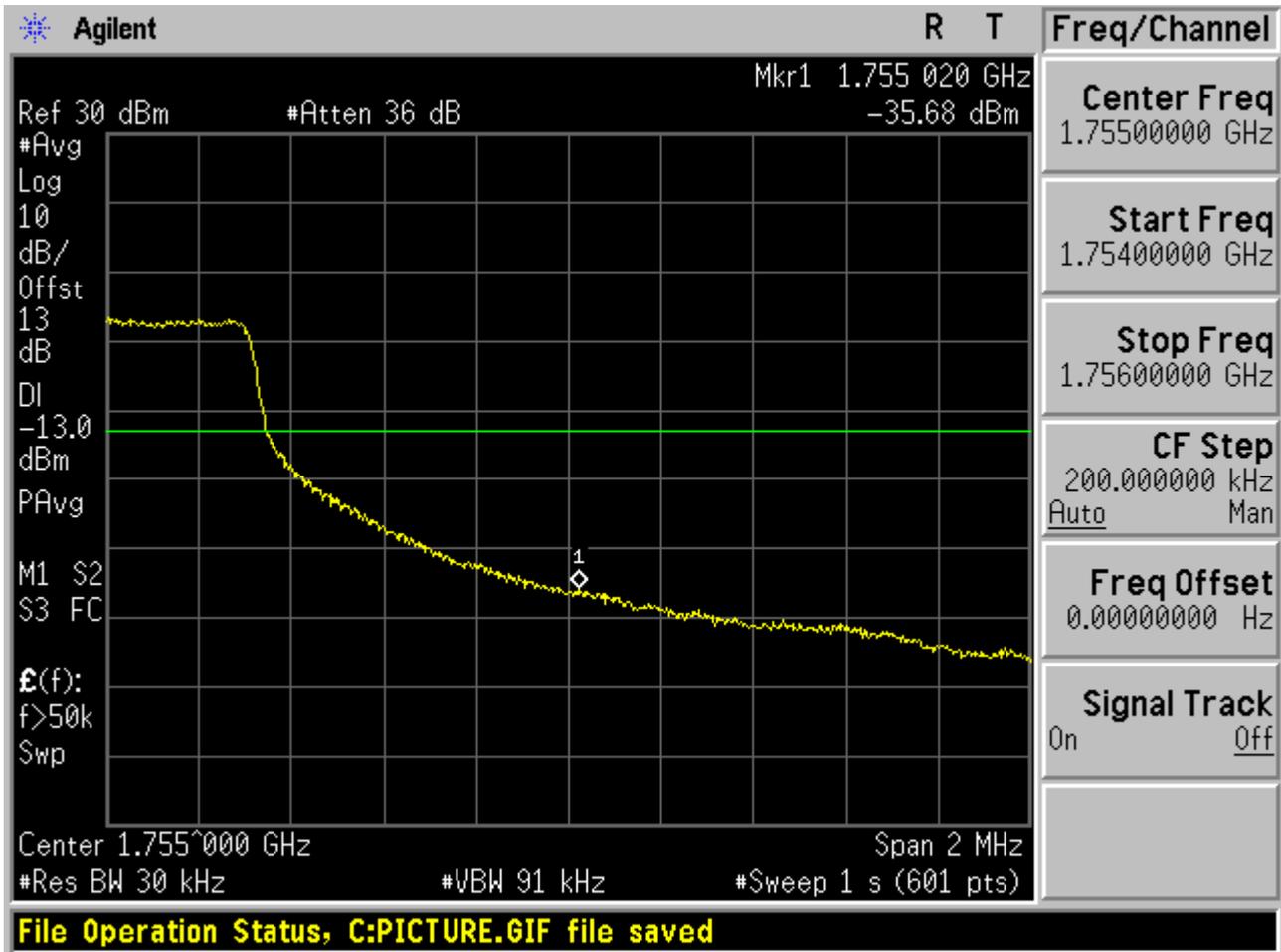


2.2.2.2.2 16QAM /1RB #max



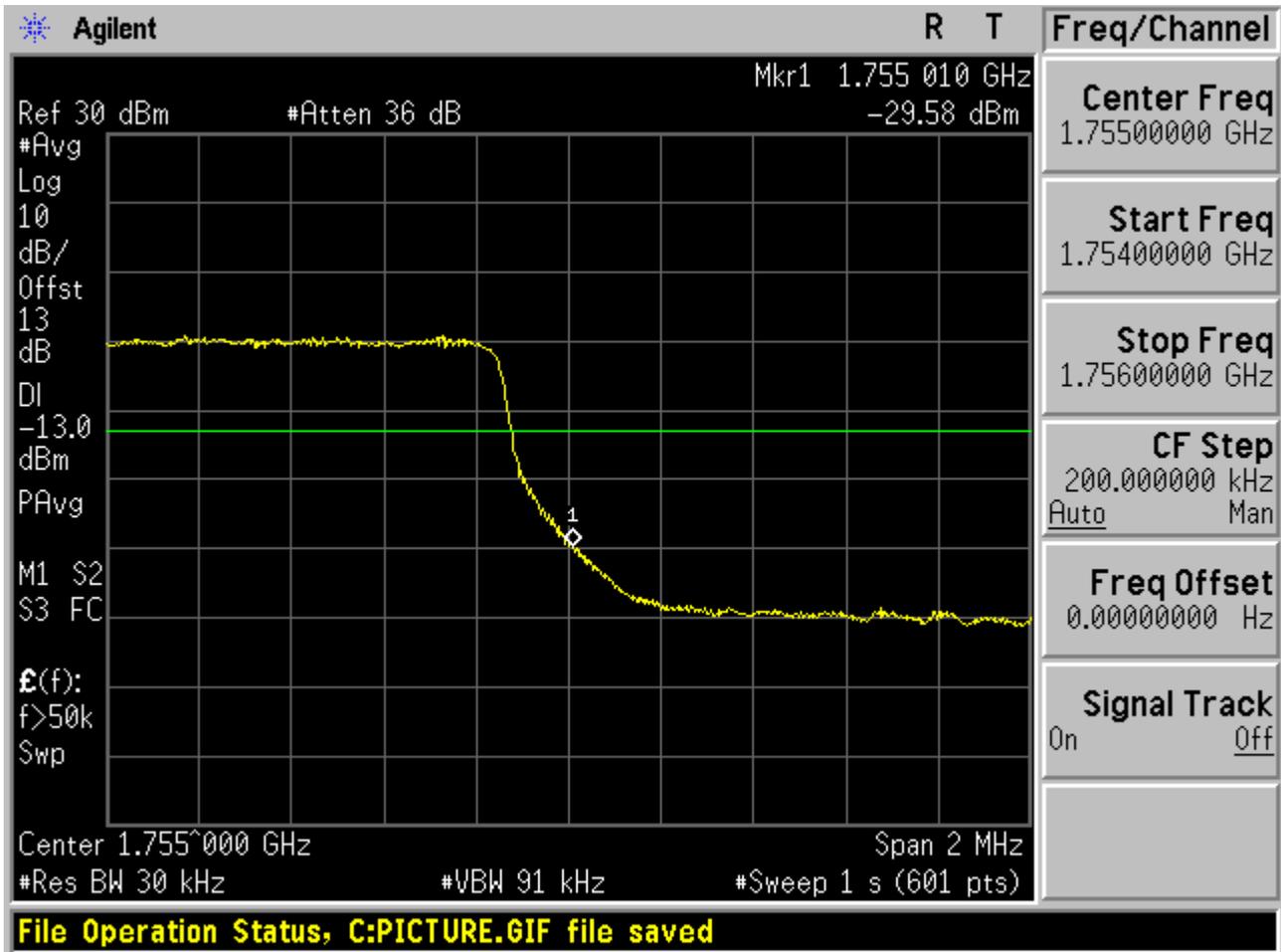


2.2.2.2.3 16QAM / non-1RB #mid/2





2.2.2.2.4 16QAM /full RBs

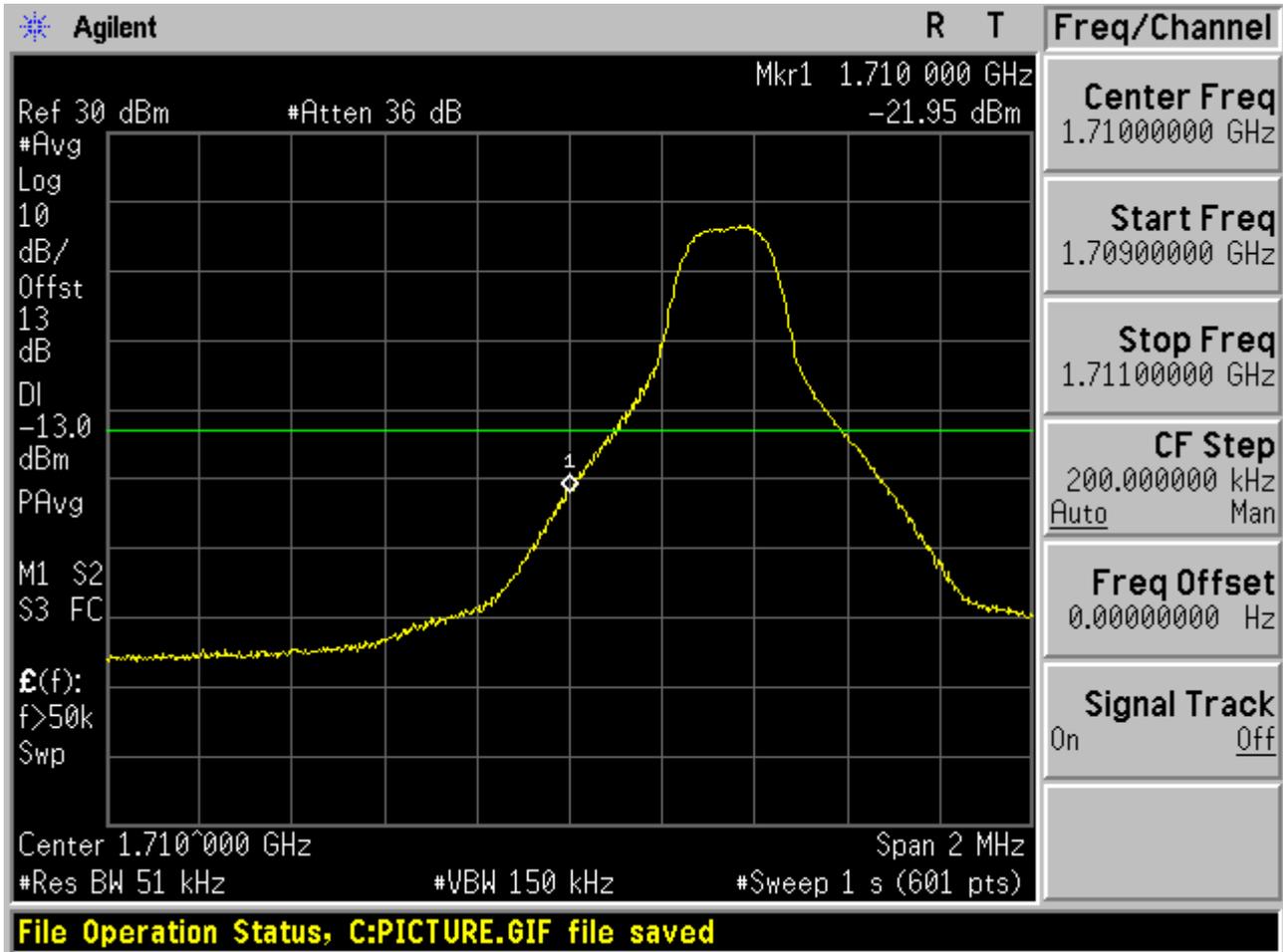




2.2.3 Channel Bandwidth = 5 MHz

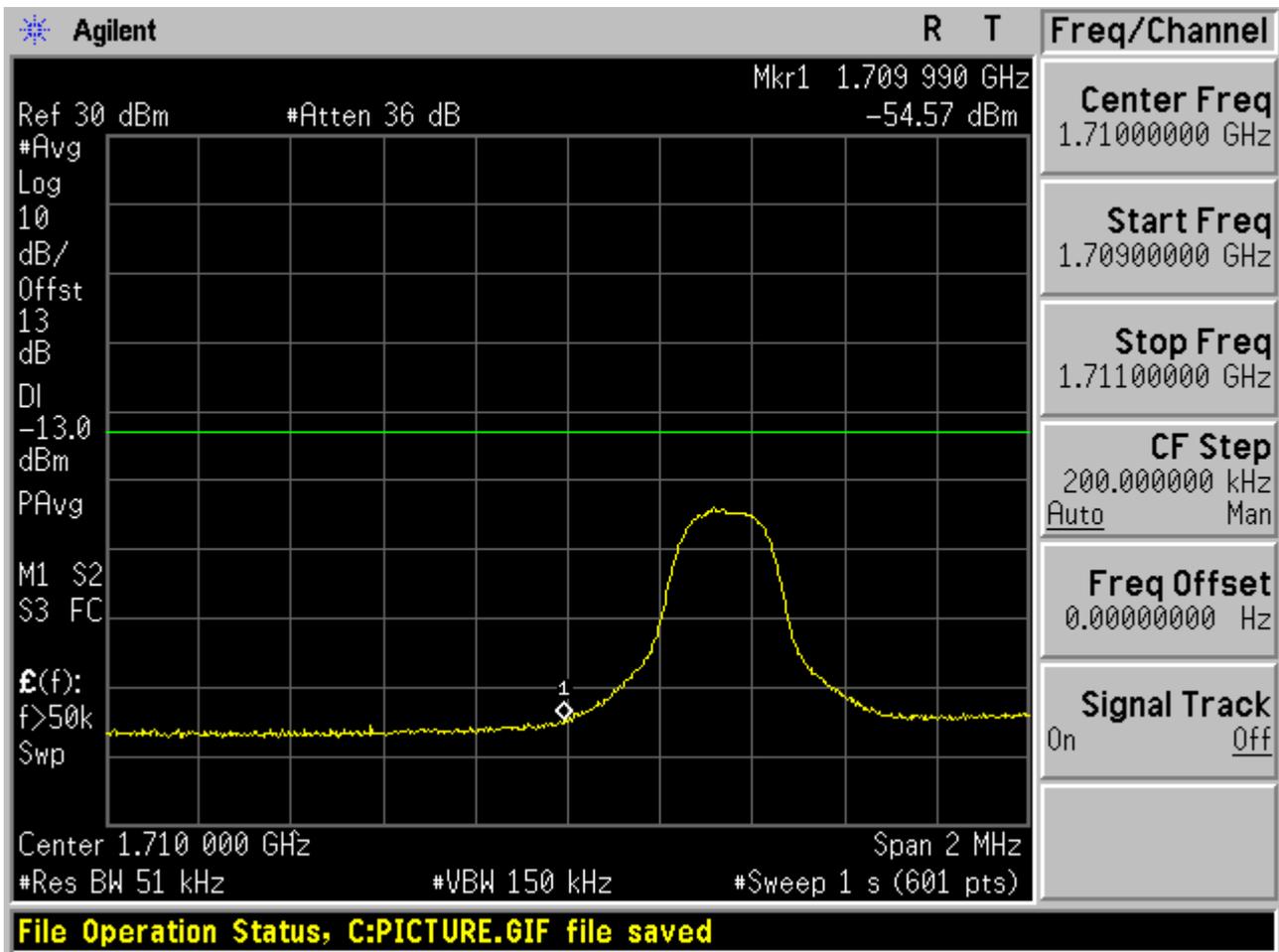
2.2.3.1 Channel= B

2.2.3.1.1 16QAM/1RB #0



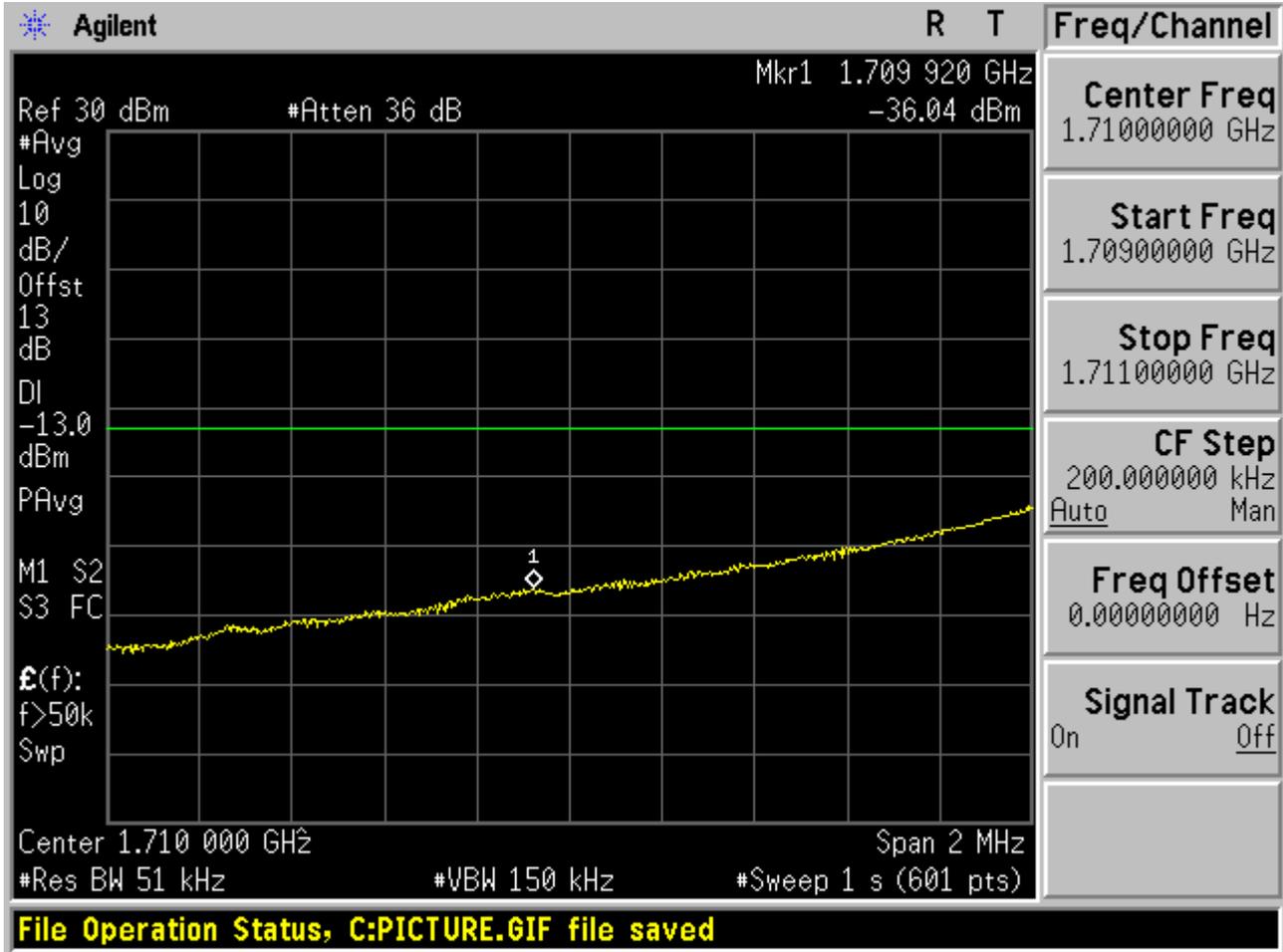


2.2.3.1.2 16QAM/1RB #max



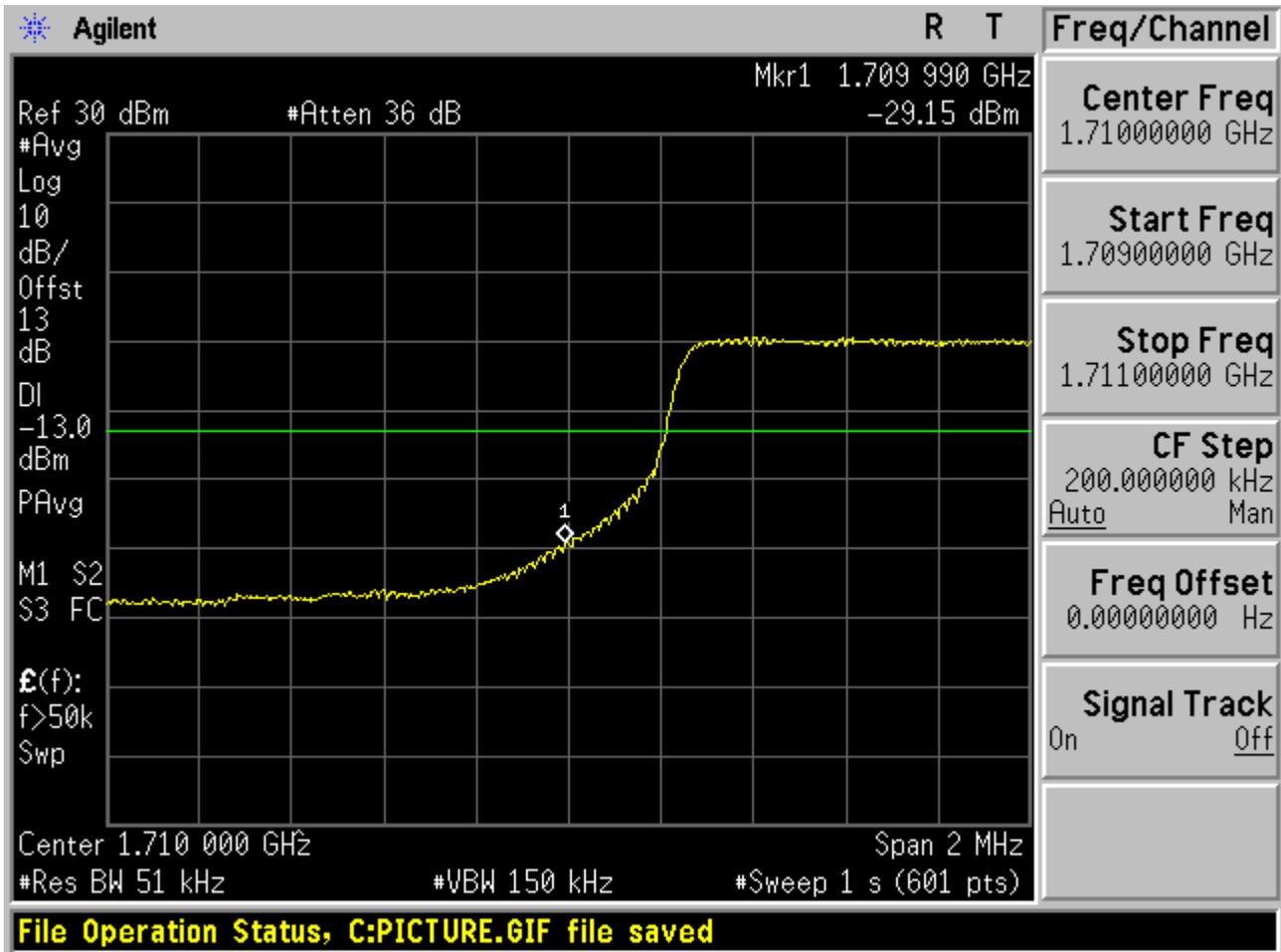


2.2.3.1.3 16QAM / non-1RB #mid/2





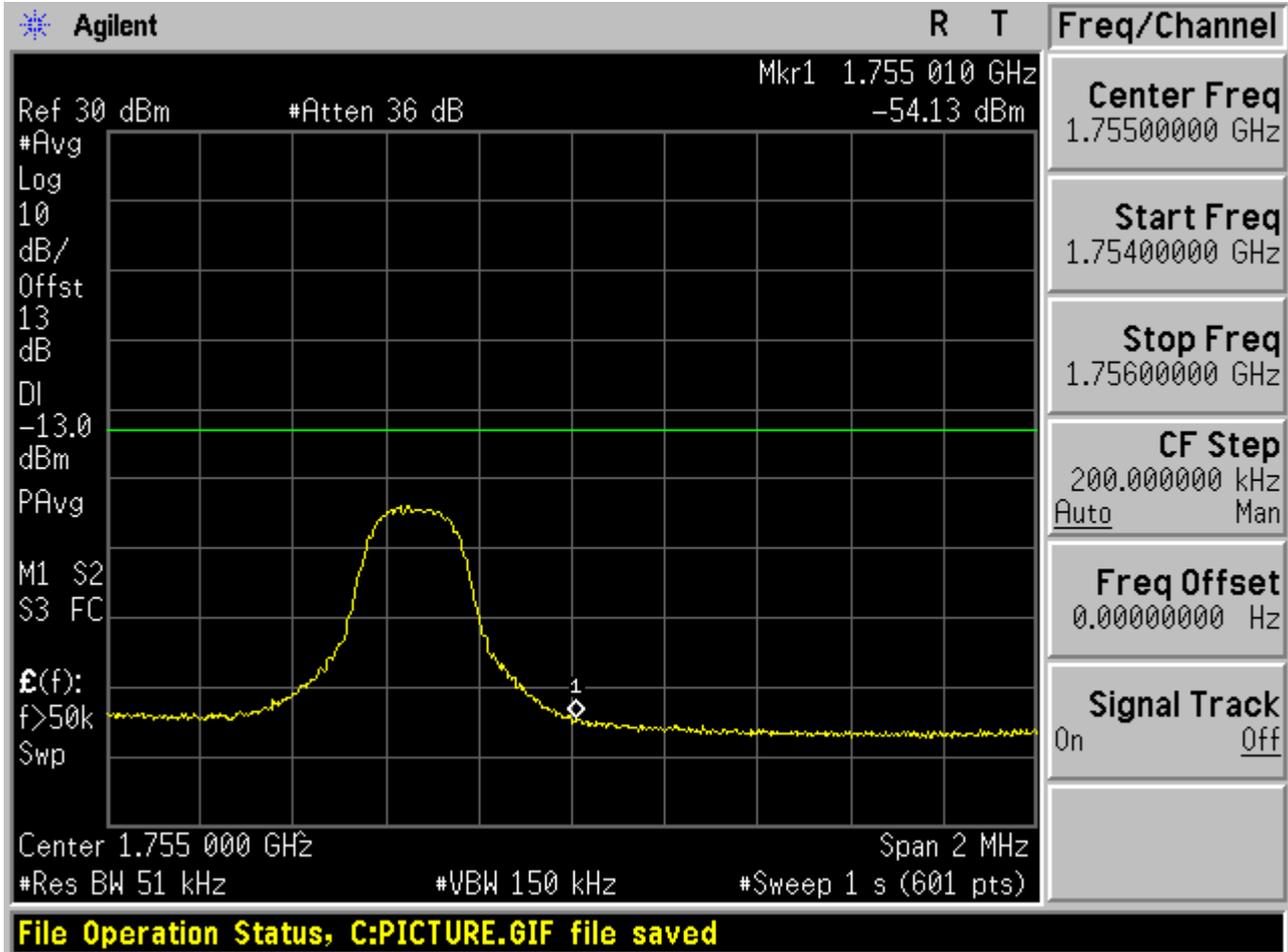
2.2.3.1.4 16QAM /full RBs





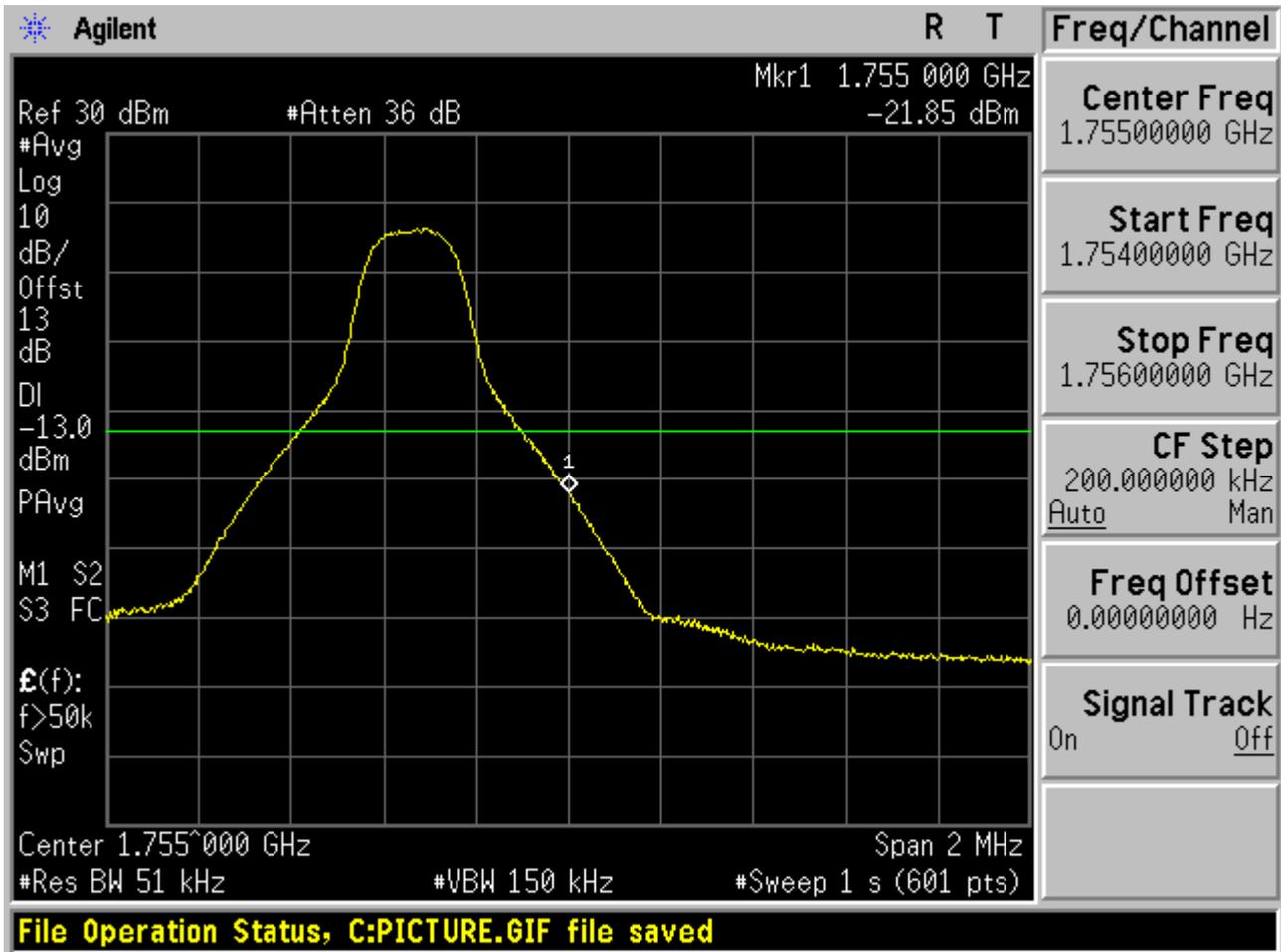
2.2.3.2 Channel= T

2.2.3.2.1 16QAM /1RB #0



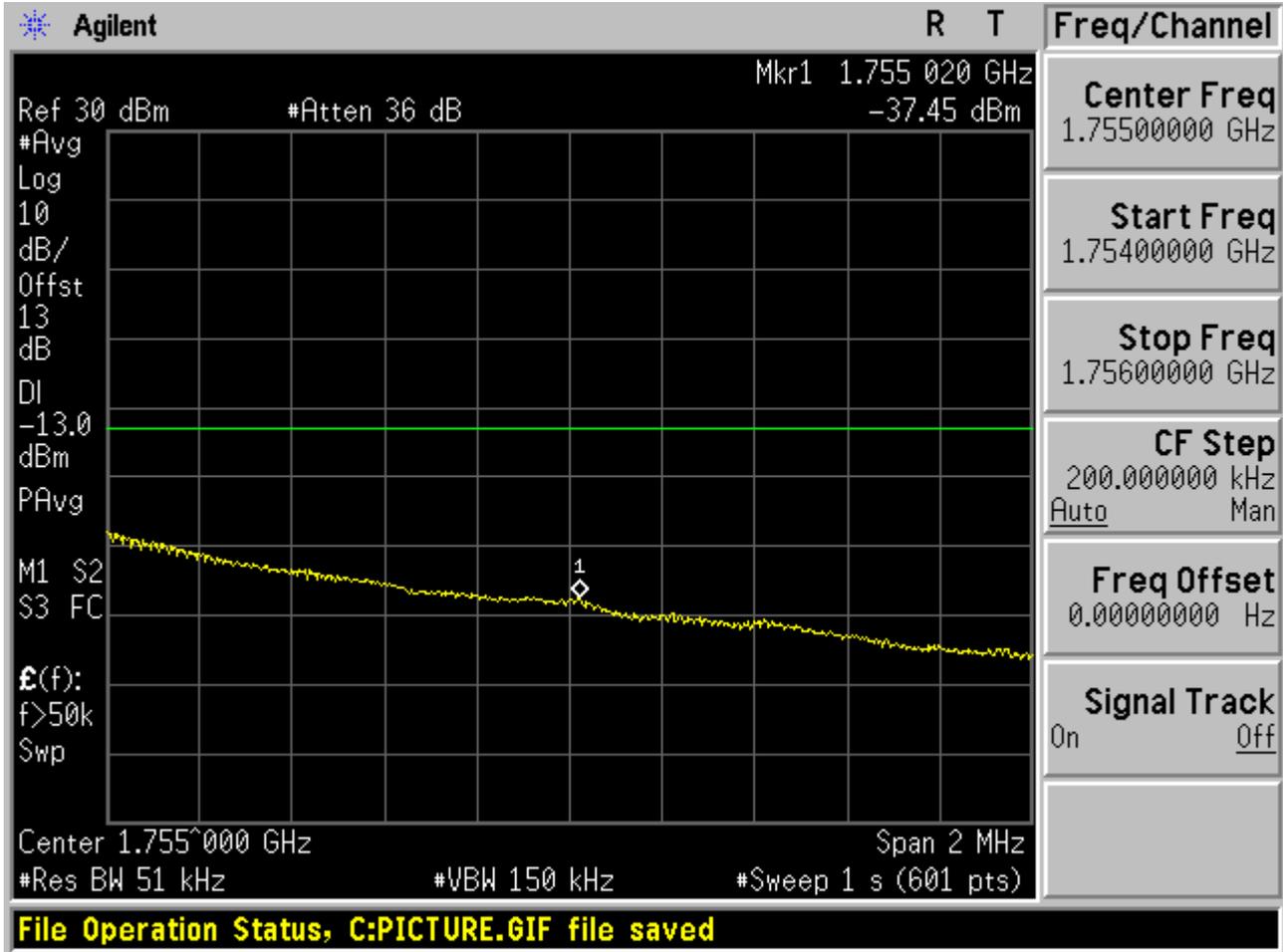


2.2.3.2.2 16QAM /1RB #max



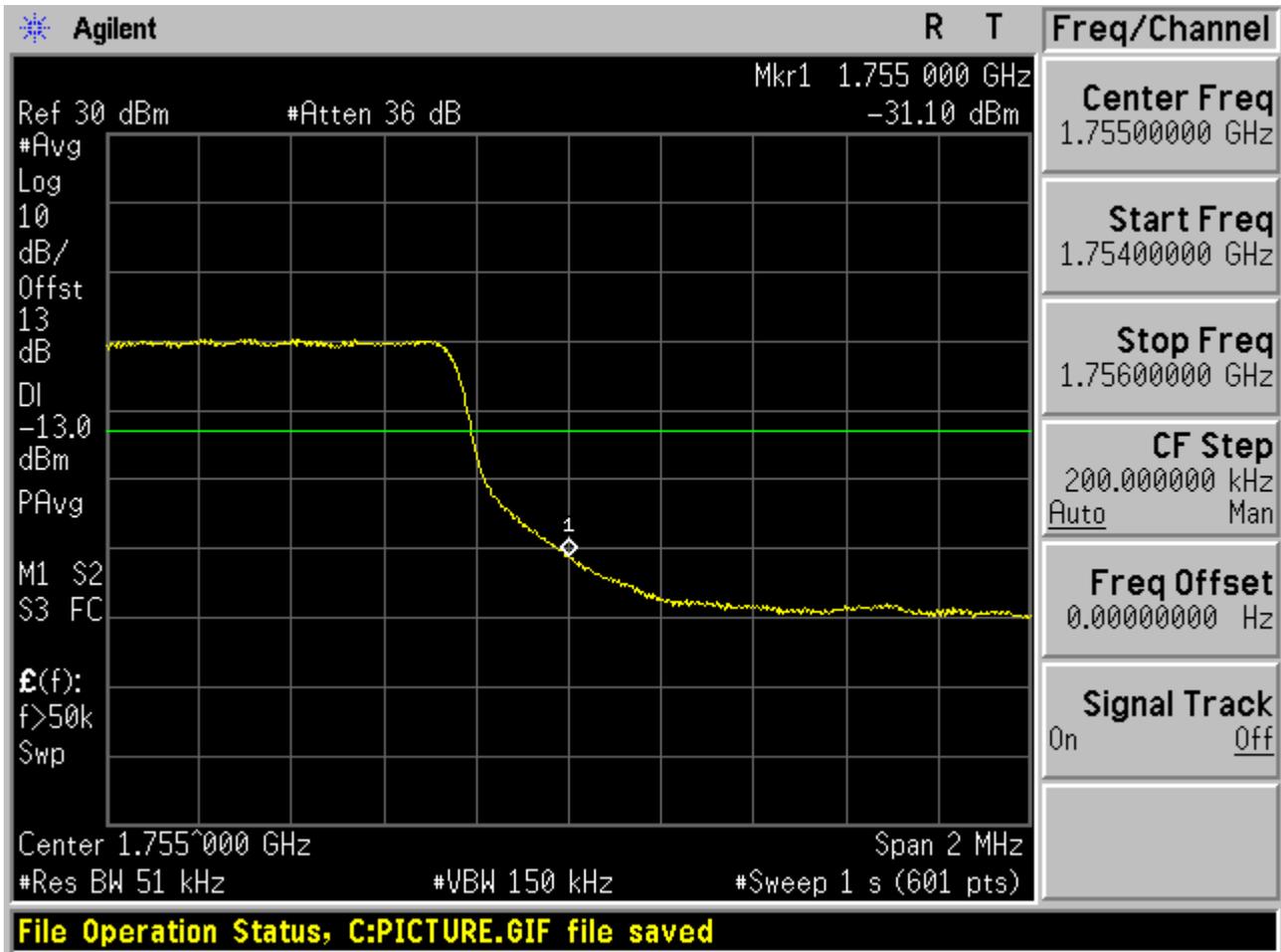


2.2.3.2.3 16QAM / non-1RB #mid/2





2.2.3.2.4 16QAM /full RBs

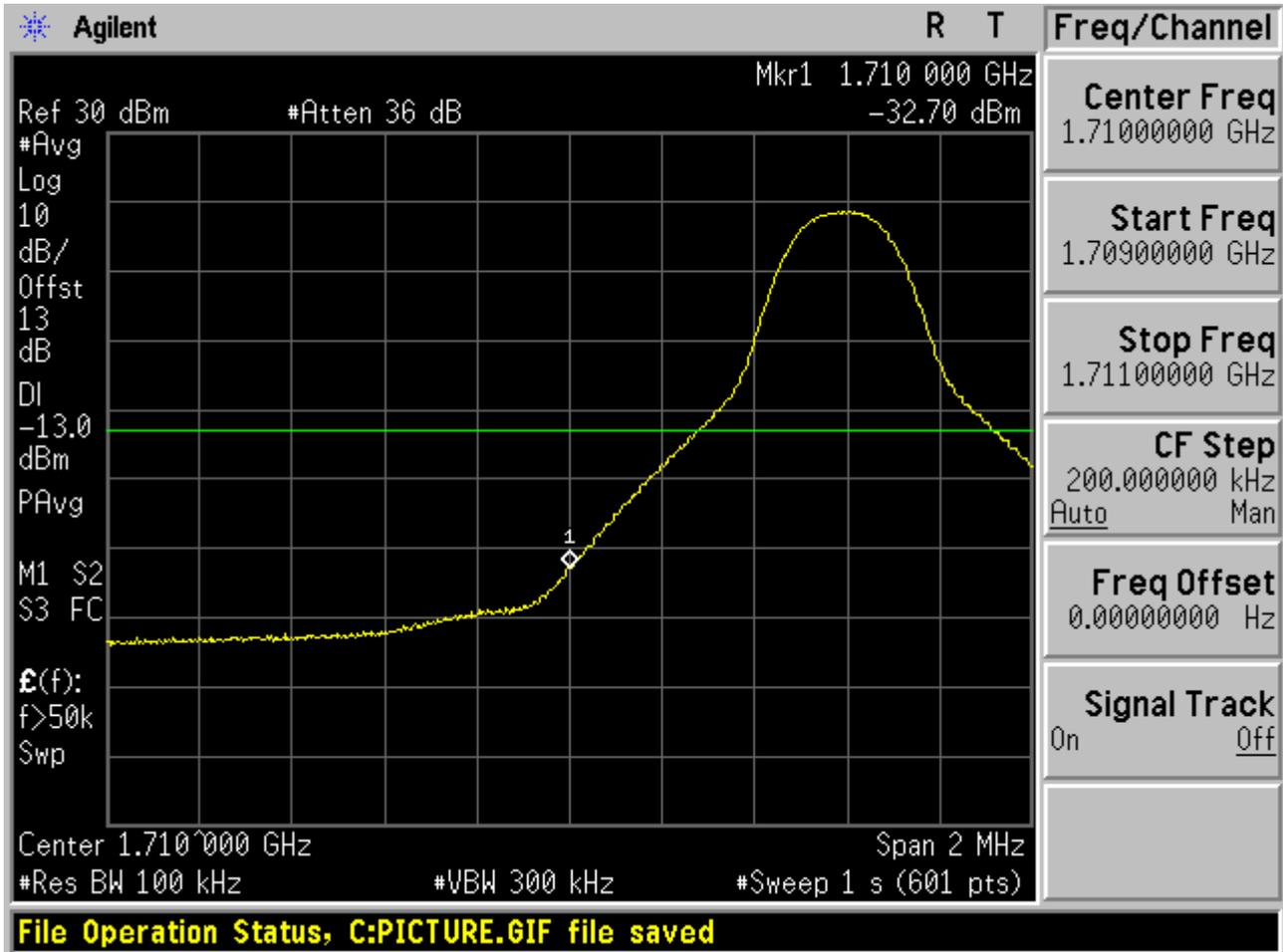




2.2.4 Channel Bandwidth = 10 MHz

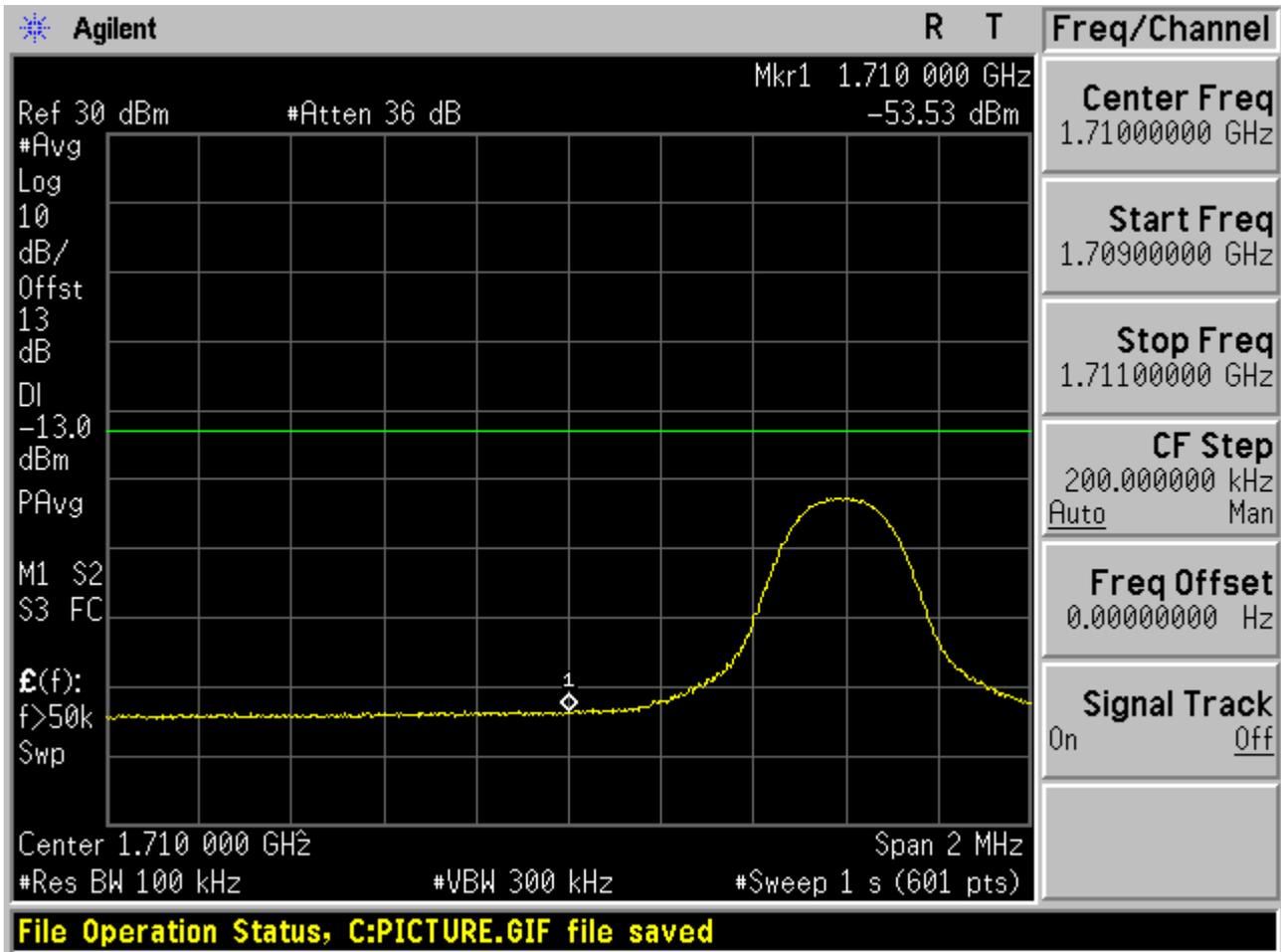
2.2.4.1 Channel= B

2.2.4.1.1 16QAM/1RB #0



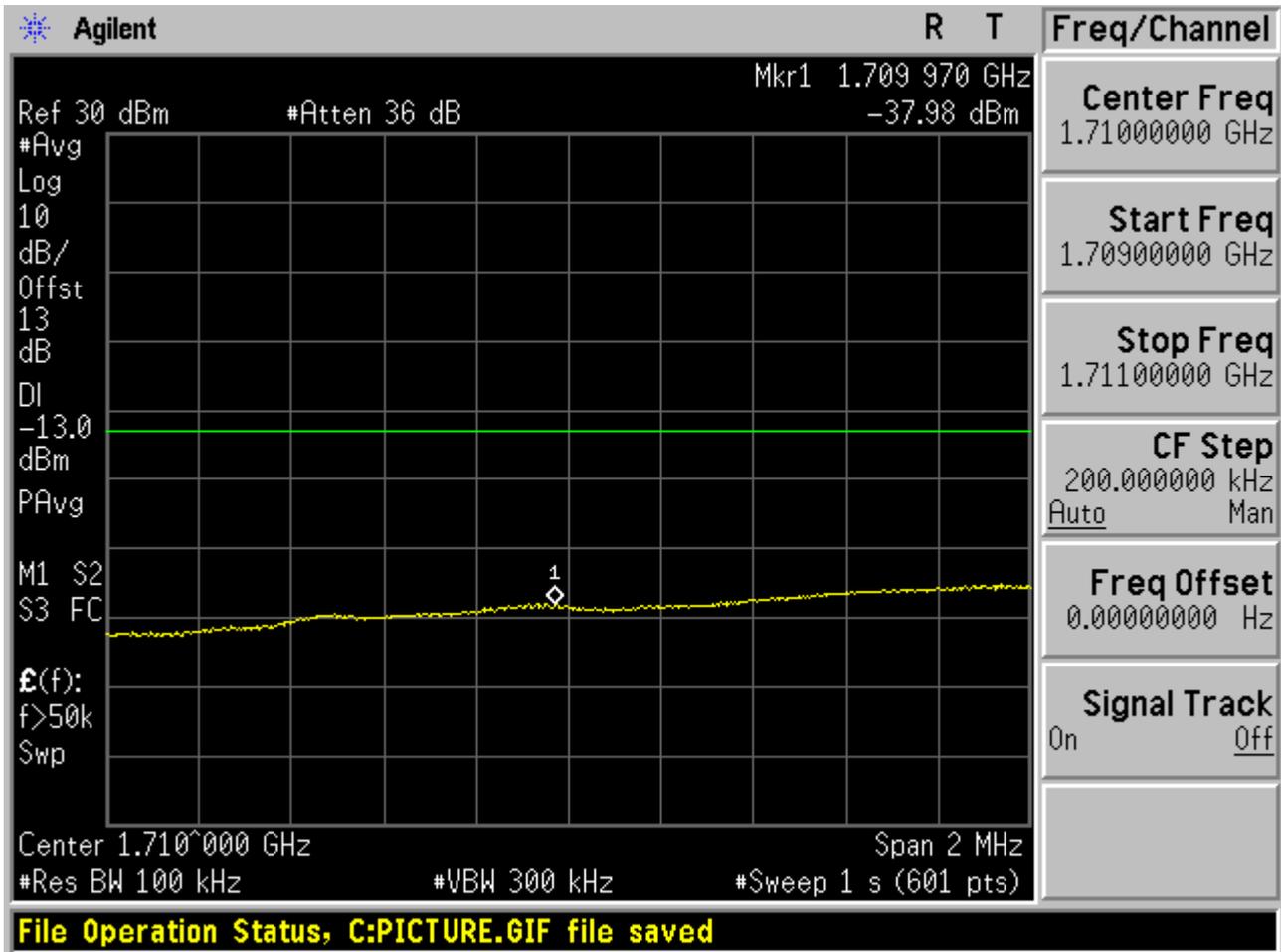


2.2.4.1.2 16QAM/1RB #max



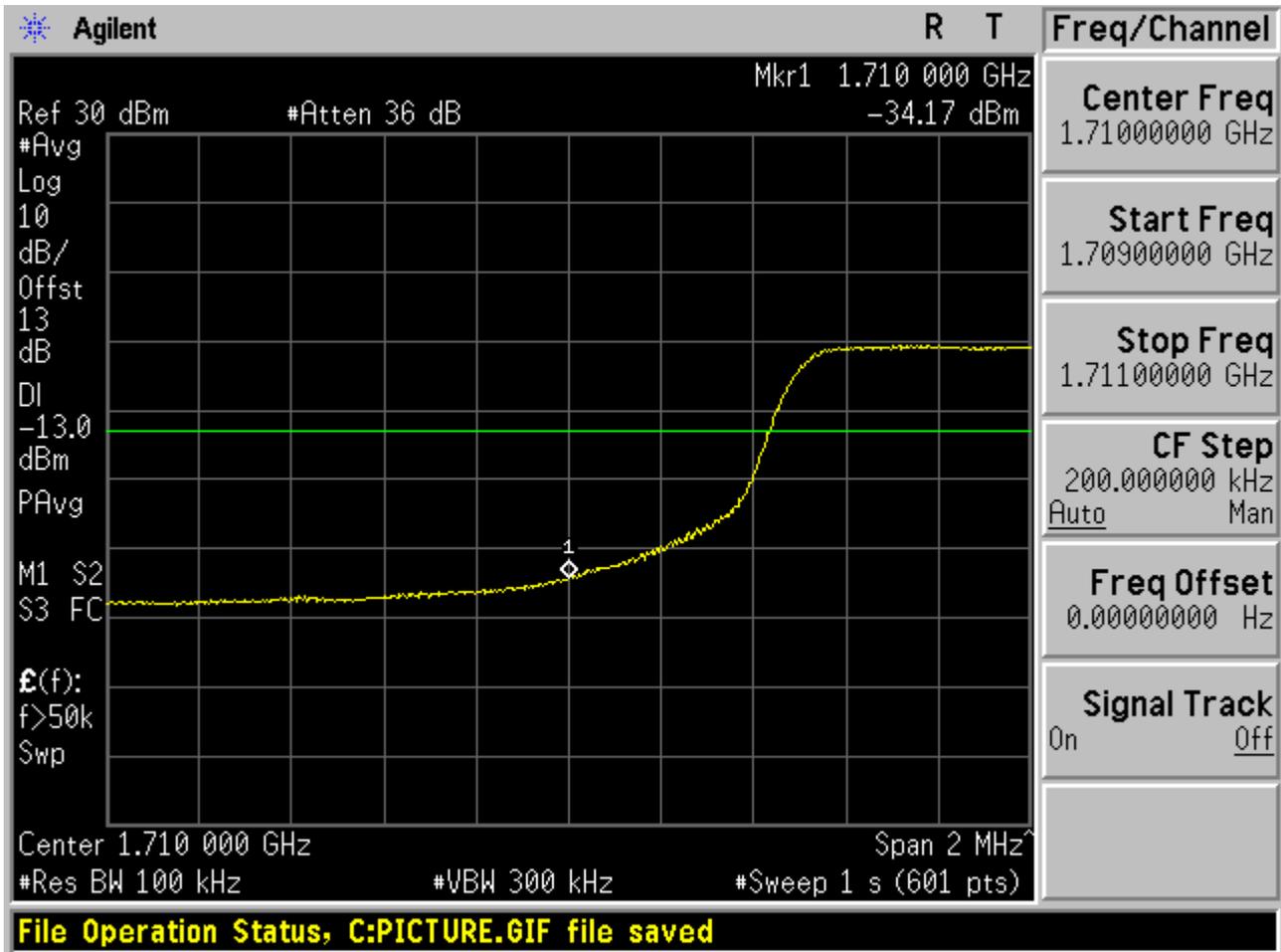


2.2.4.1.3 16QAM / non-1RB #mid/2





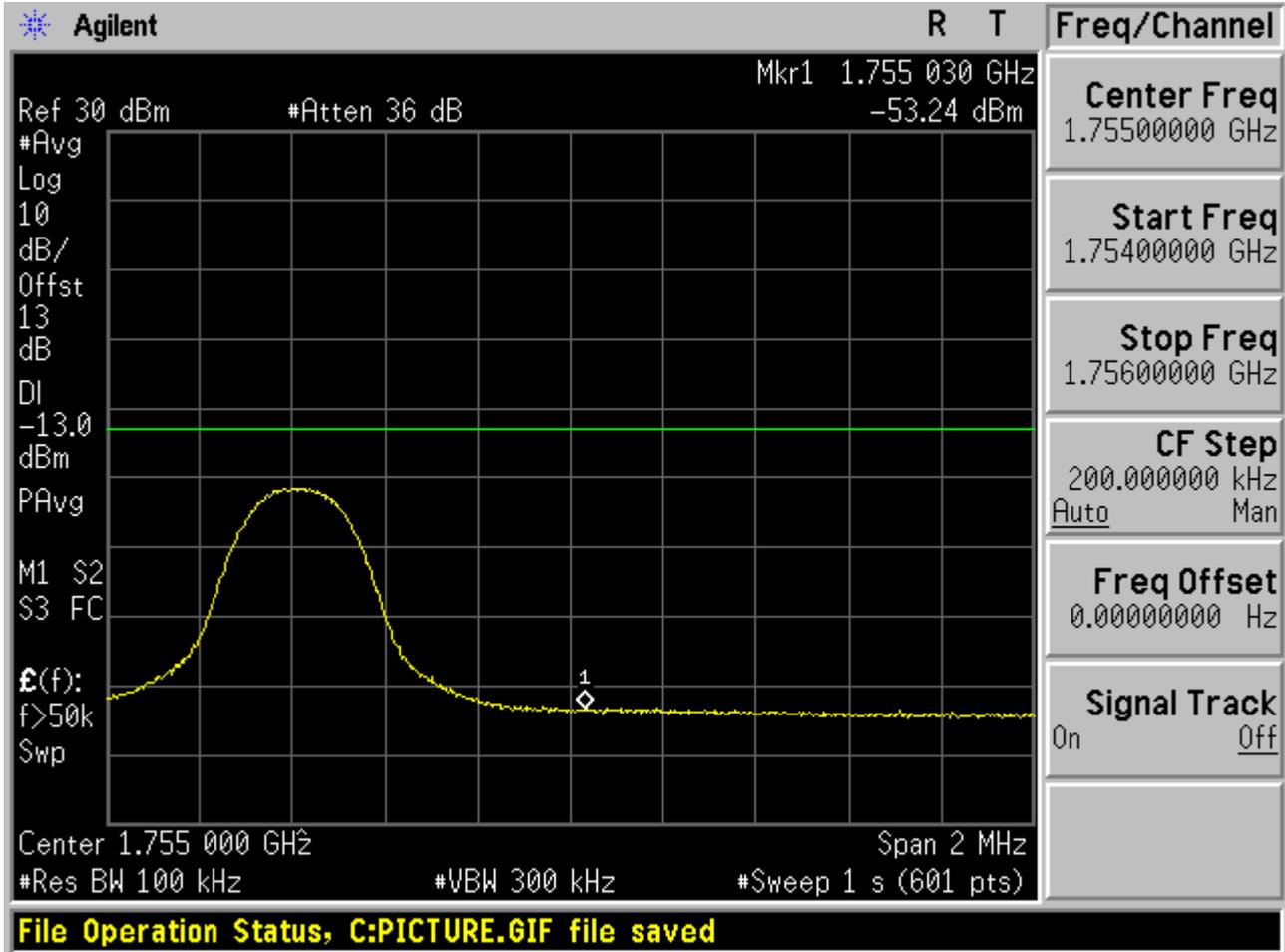
2.2.4.1.4 16QAM /full RBs





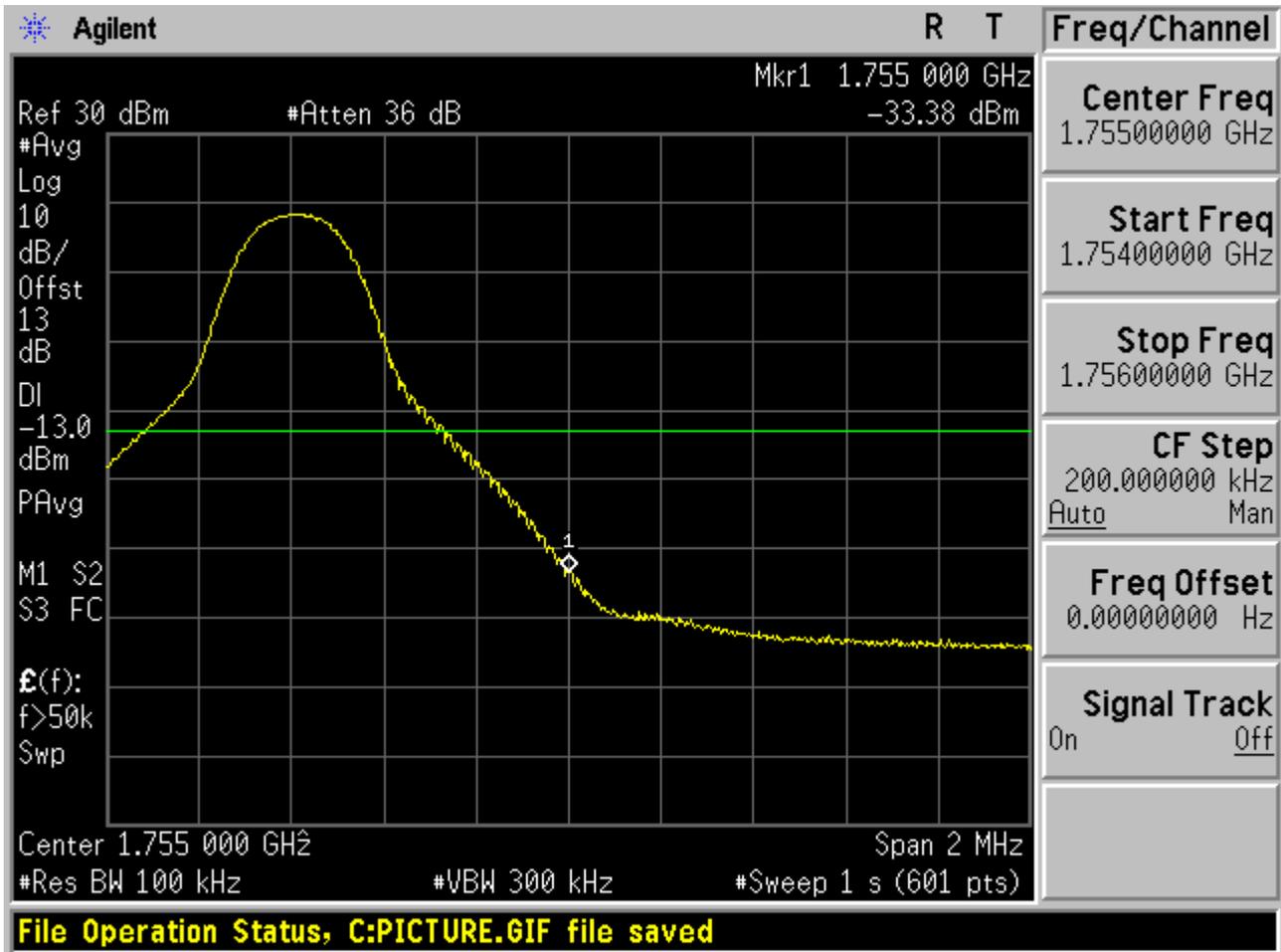
2.2.4.2 Channel= T

2.2.4.2.1 16QAM /1RB #0



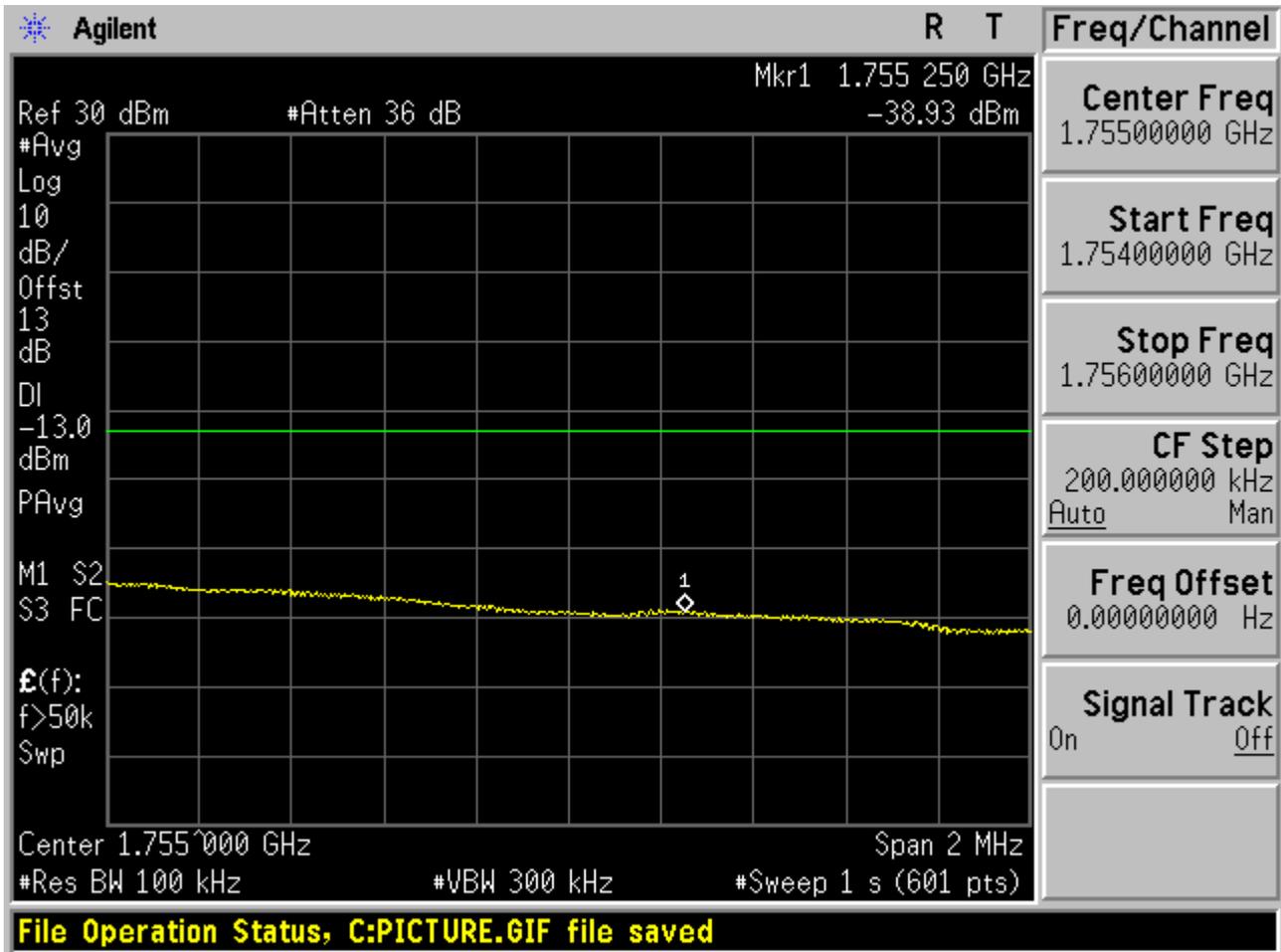


2.2.4.2.2 16QAM /1RB #max



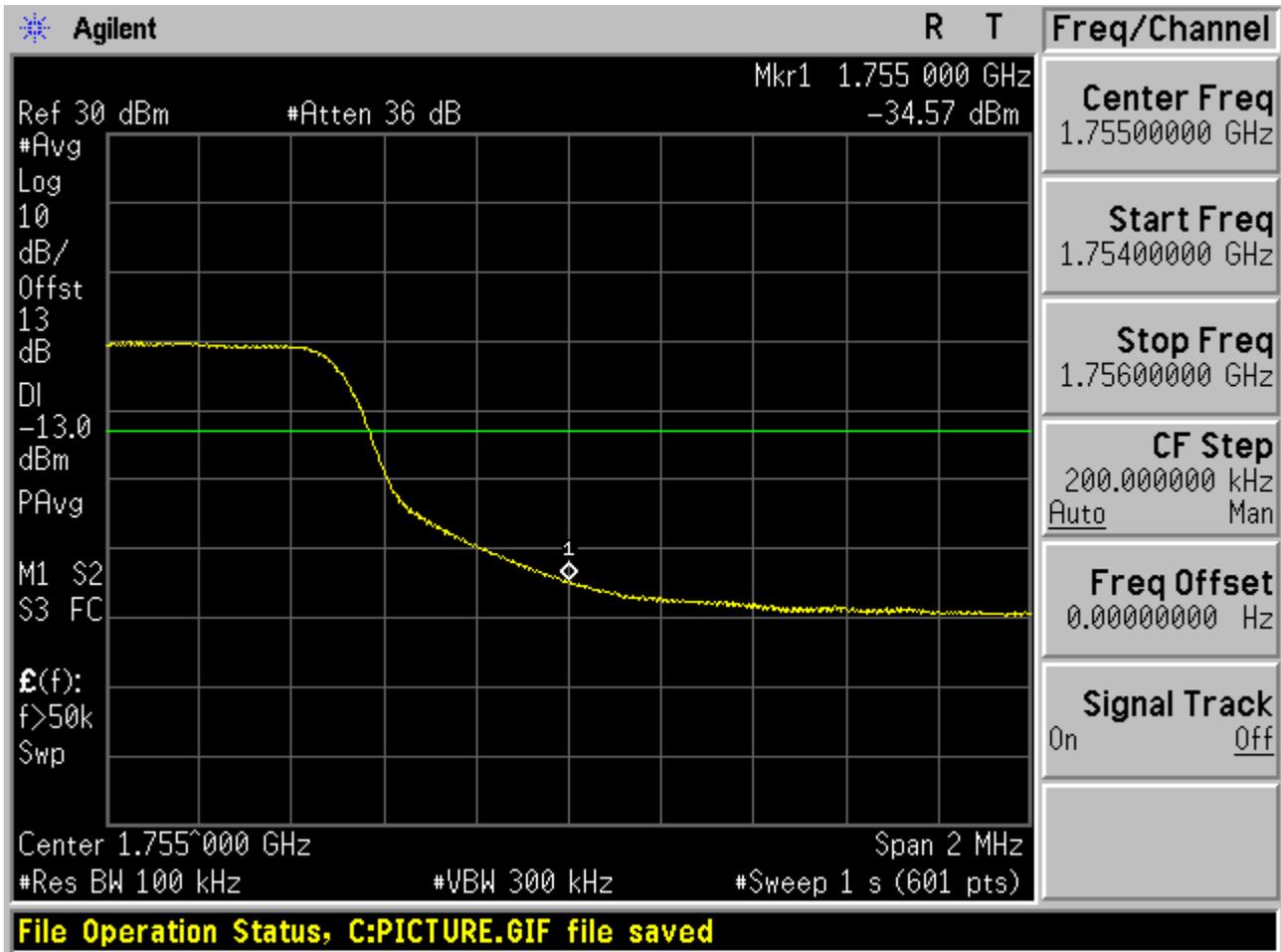


2.2.4.2.3 16QAM / non-1RB #mid/2





2.2.4.2.4 16QAM /full RBs

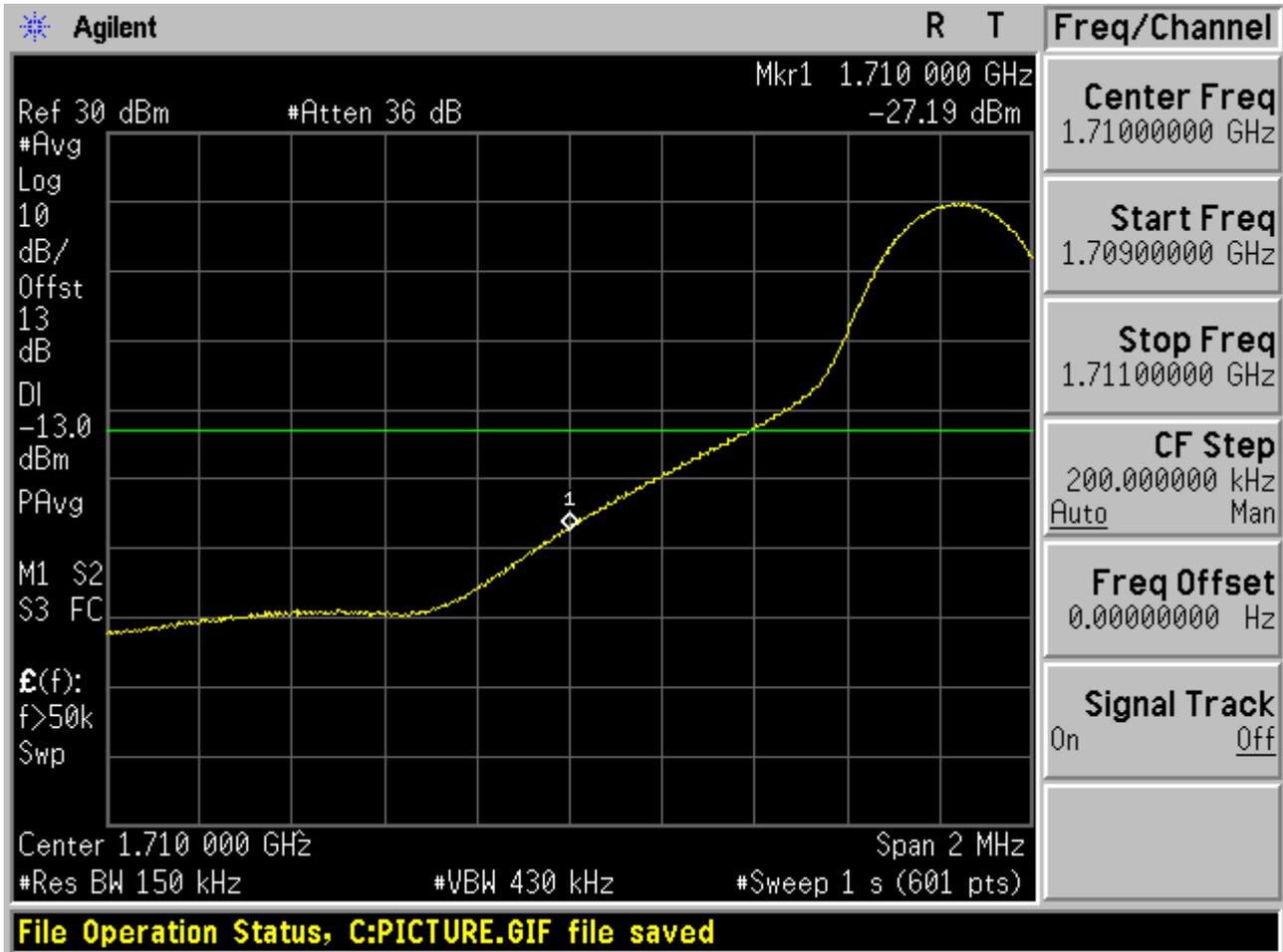




2.2.5 Channel Bandwidth = 15 MHz

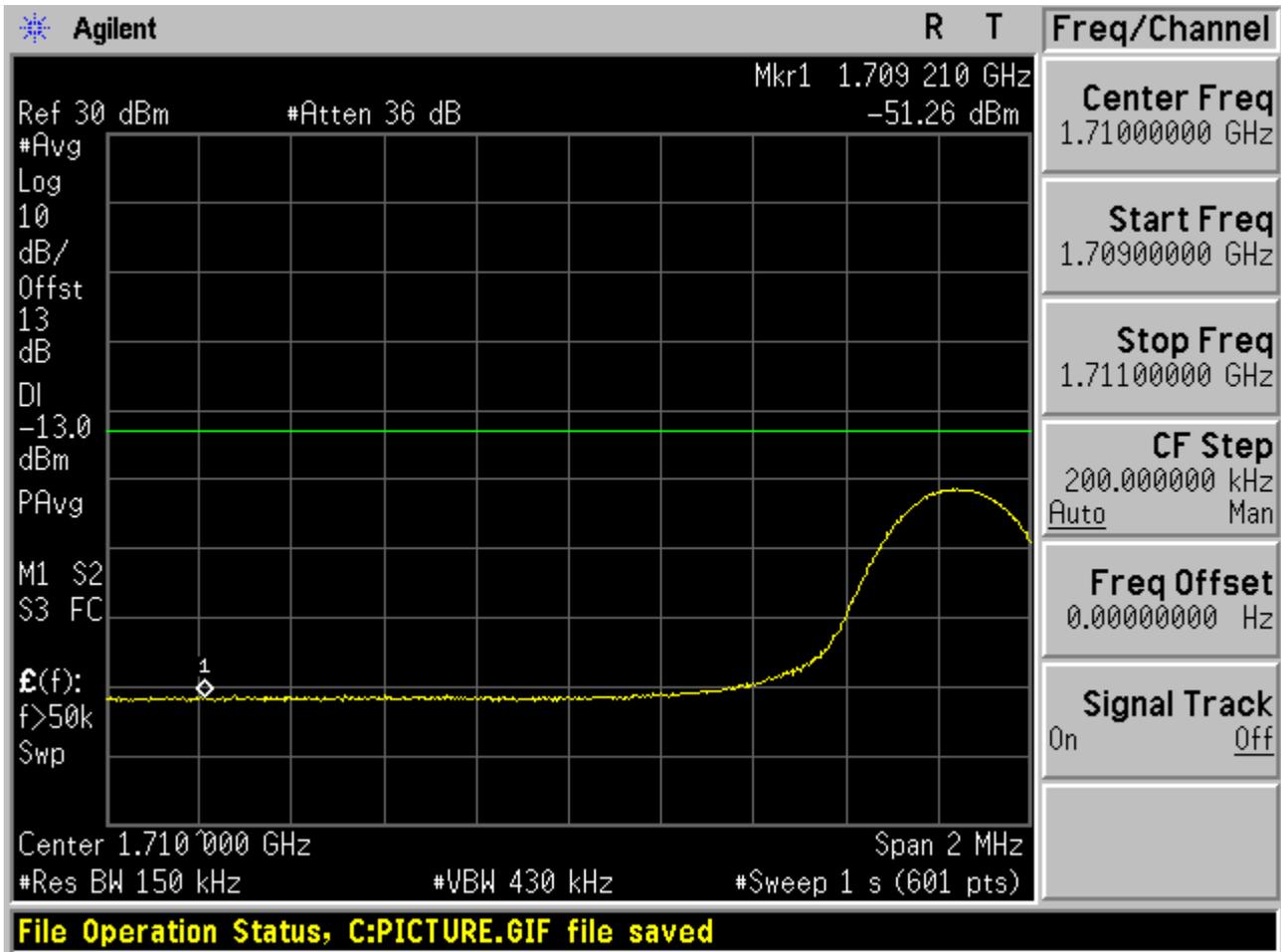
2.2.5.1 Channel= B

2.2.5.1.1 16QAM/1RB #0



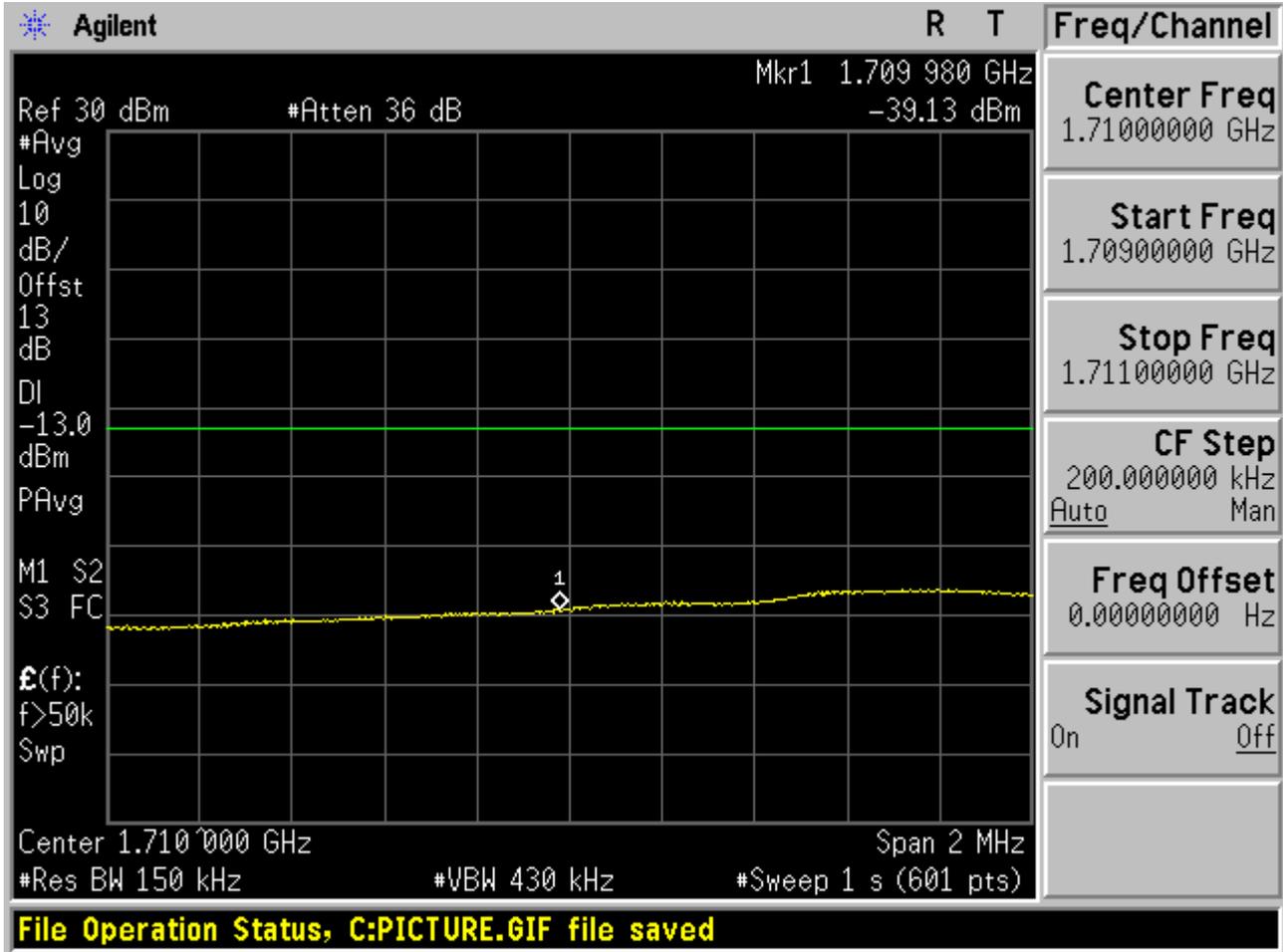


2.2.5.1.2 16QAM/1RB #max



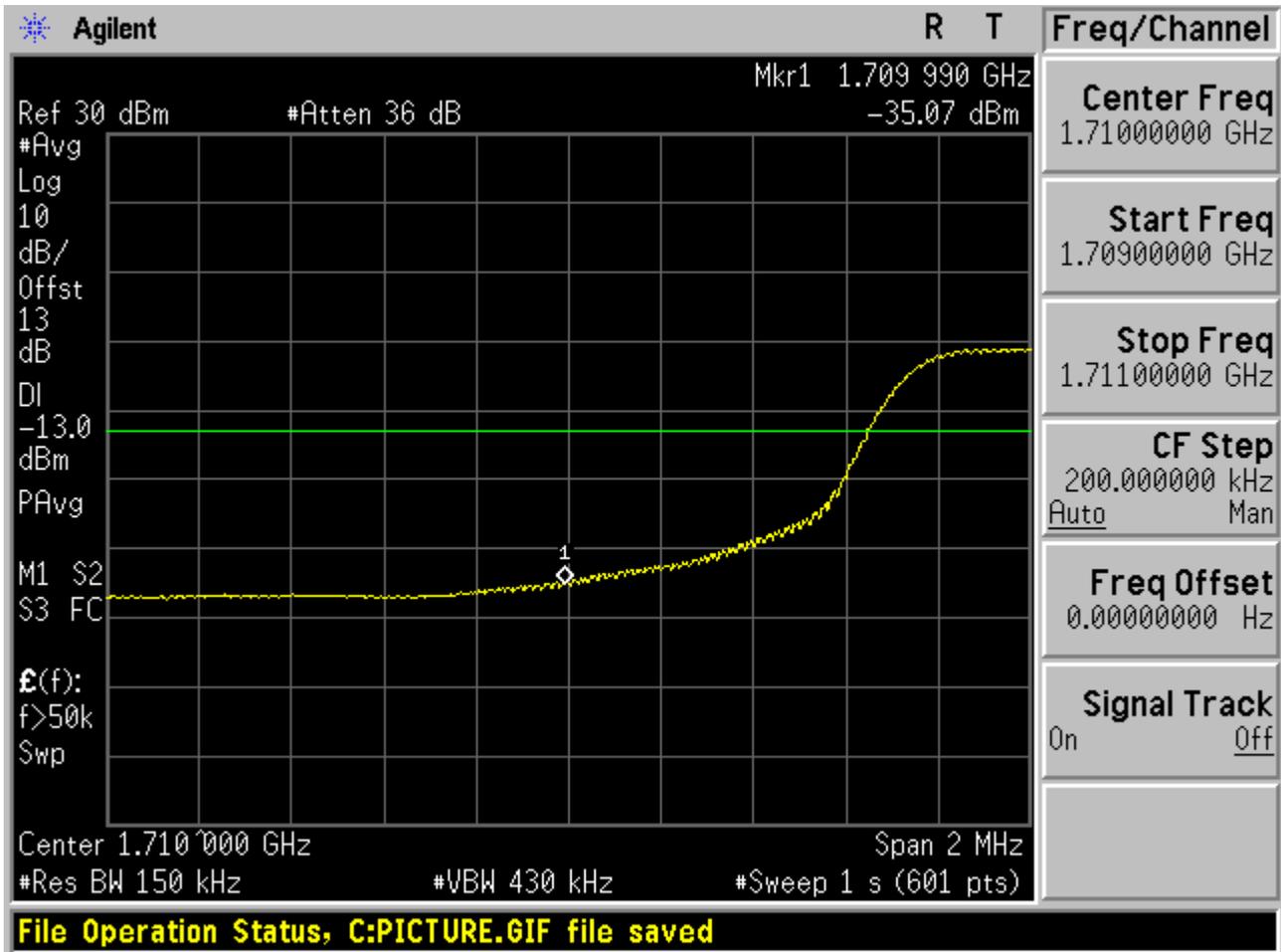


2.2.5.1.3 / non-1RB #mid/2





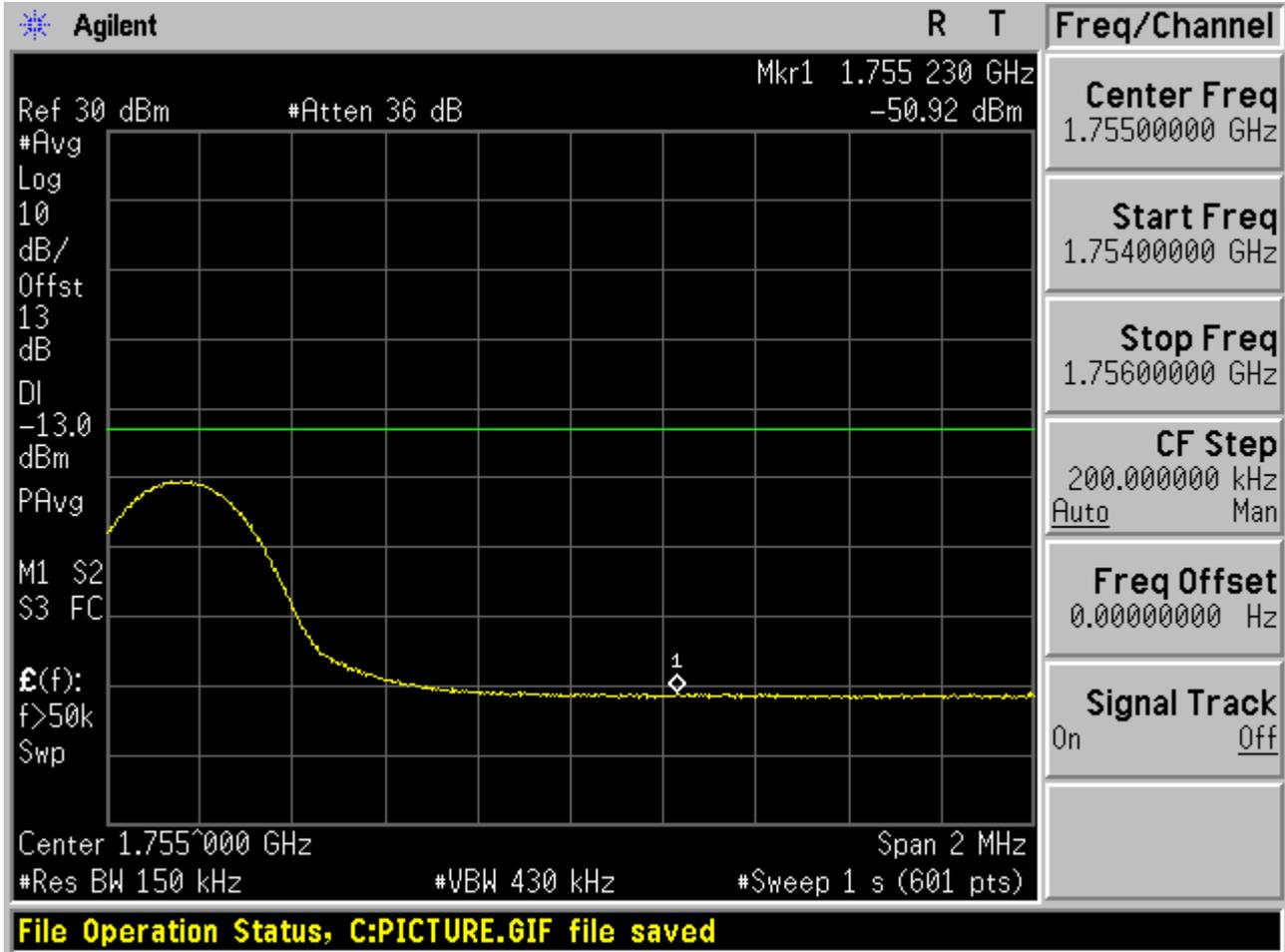
2.2.5.1.4 16QAM /full RBs





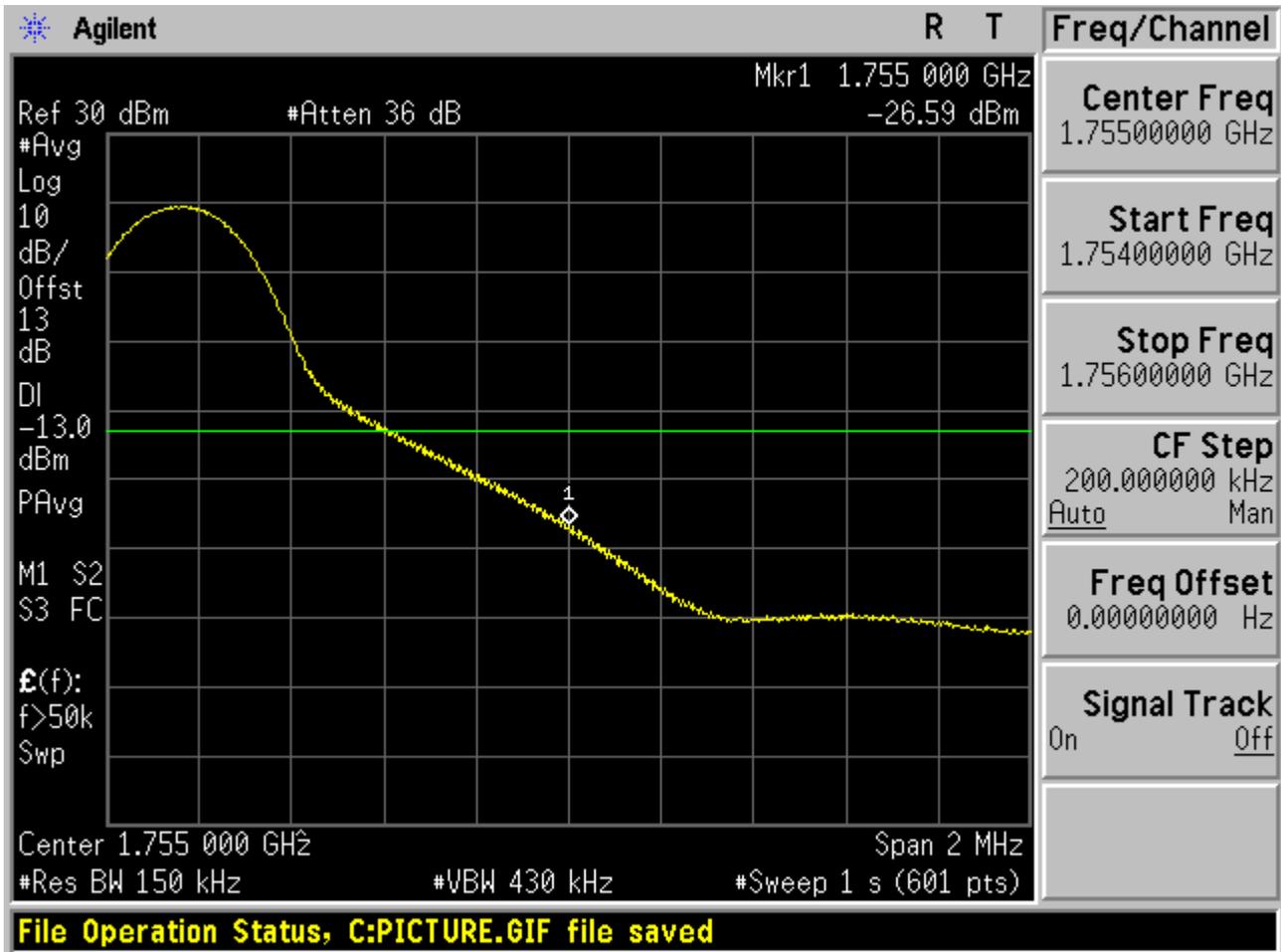
2.2.5.2 Channel= T

2.2.5.2.1 16QAM /1RB #0



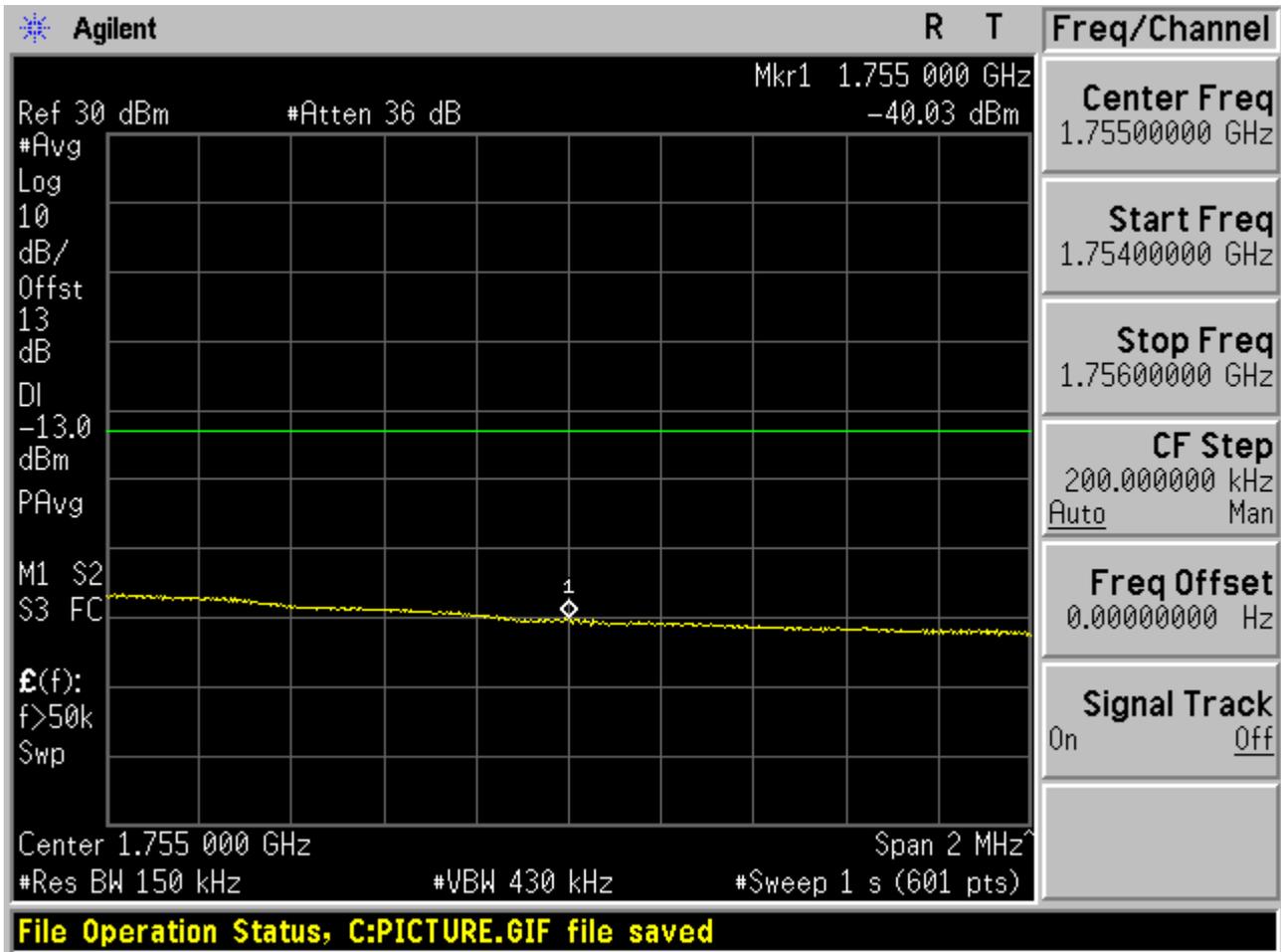


2.2.5.2.2 16QAM /1RB #max



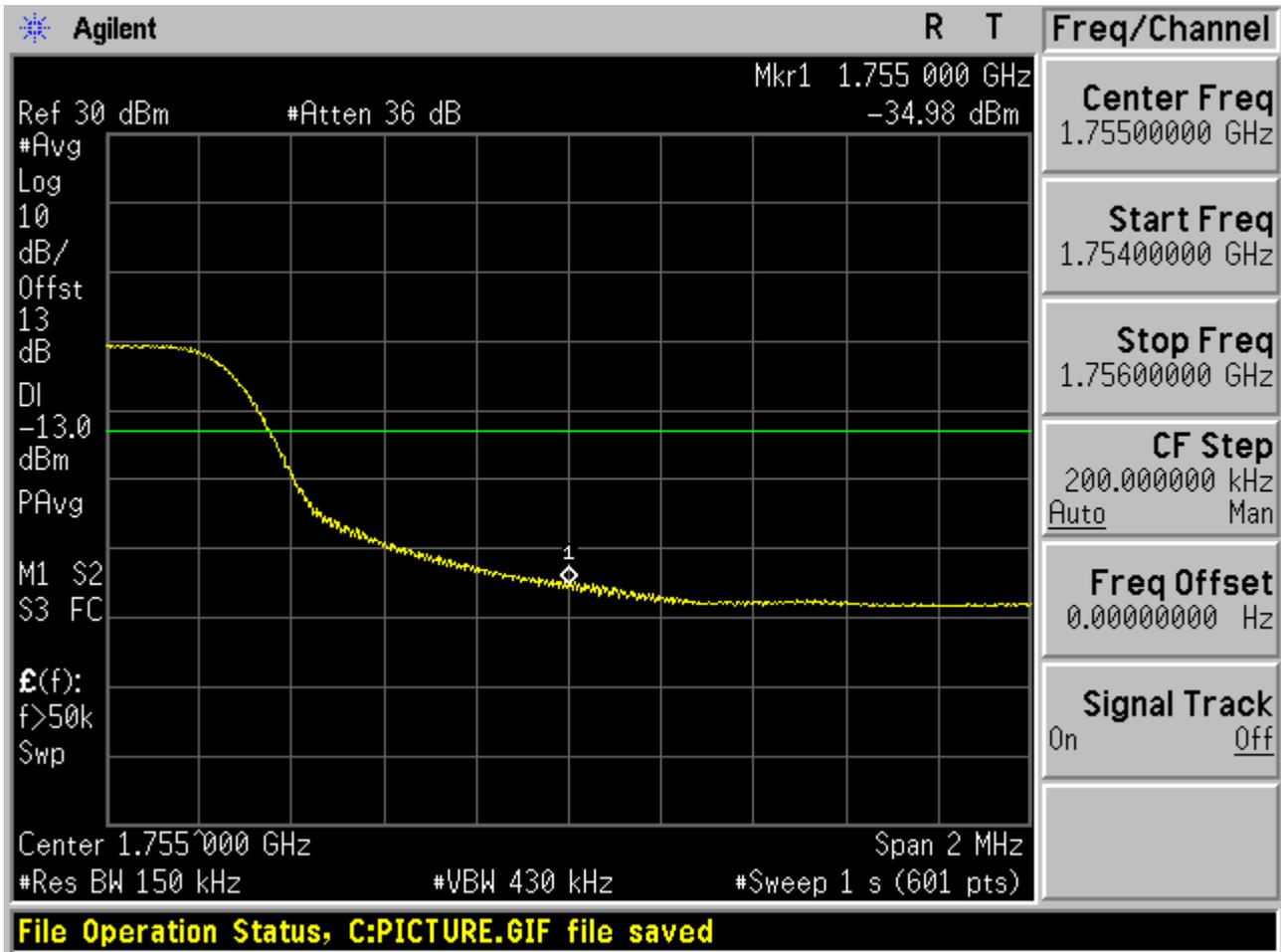


2.2.5.2.3 16QAM / non-1RB #mid/2





2.2.5.2.4 16QAM /full RBs

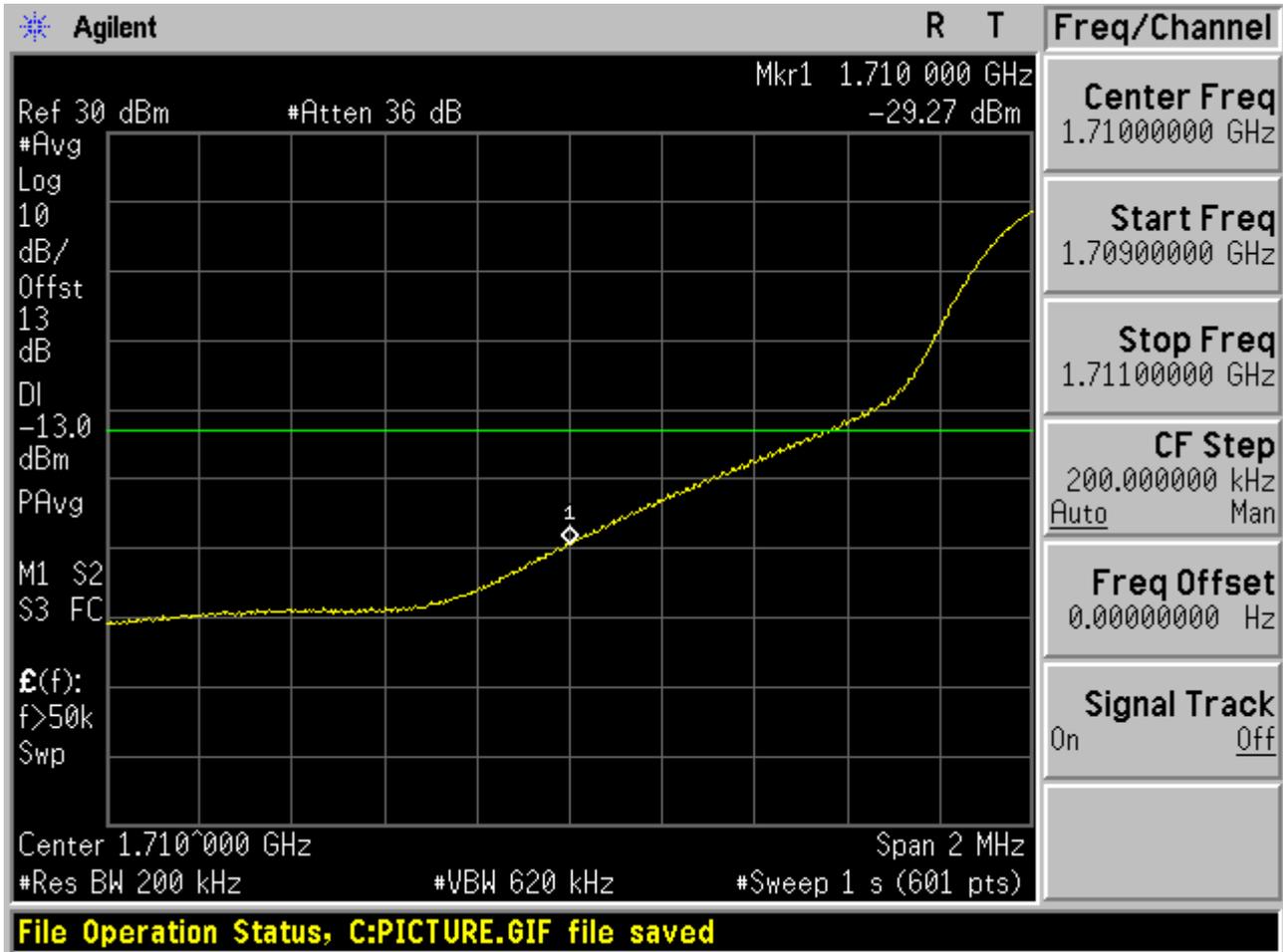




2.2.6 Channel Bandwidth = 20 MHz

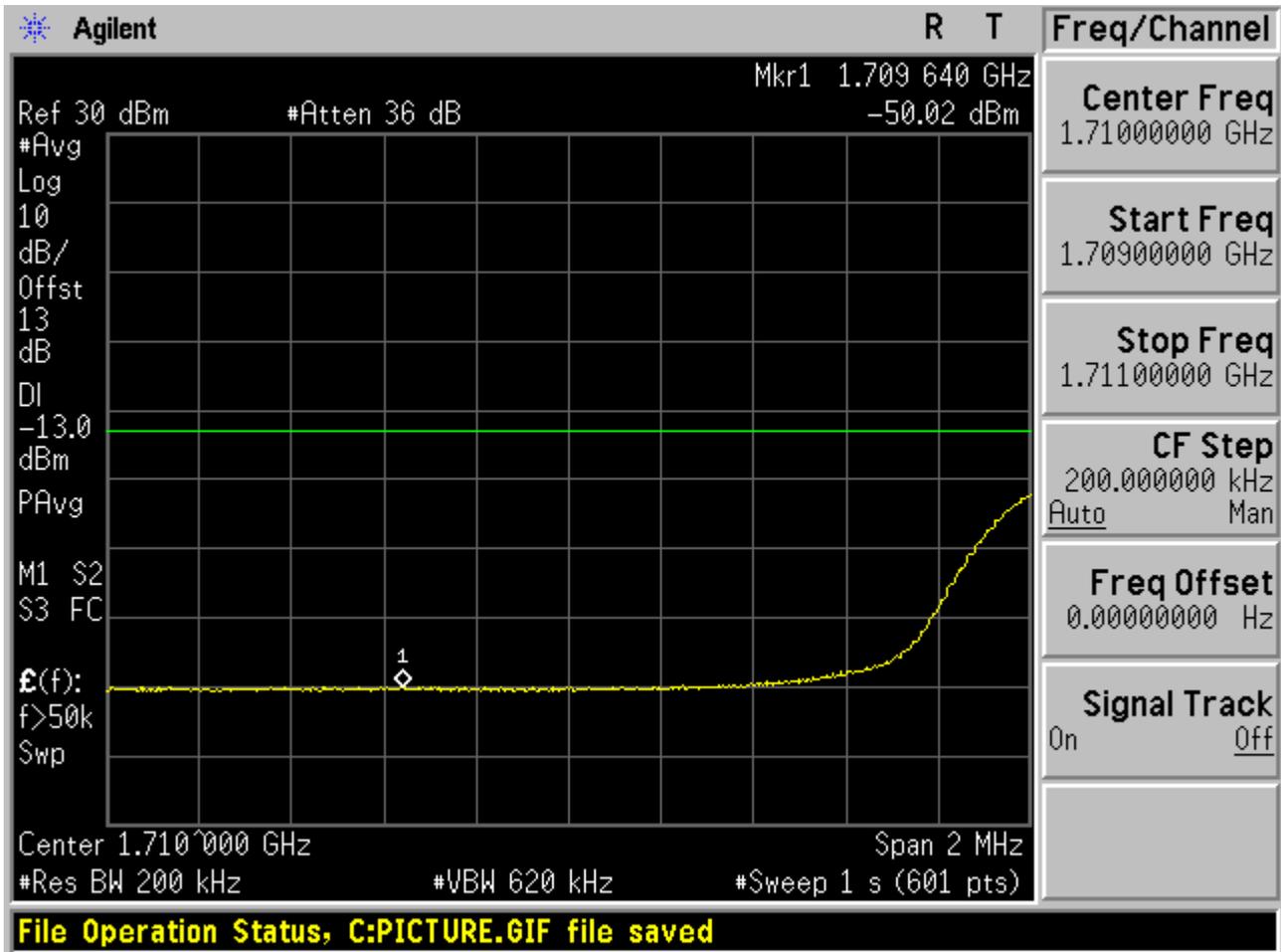
2.2.6.1 Channel= B

2.2.6.1.1 16QAM/1RB #0



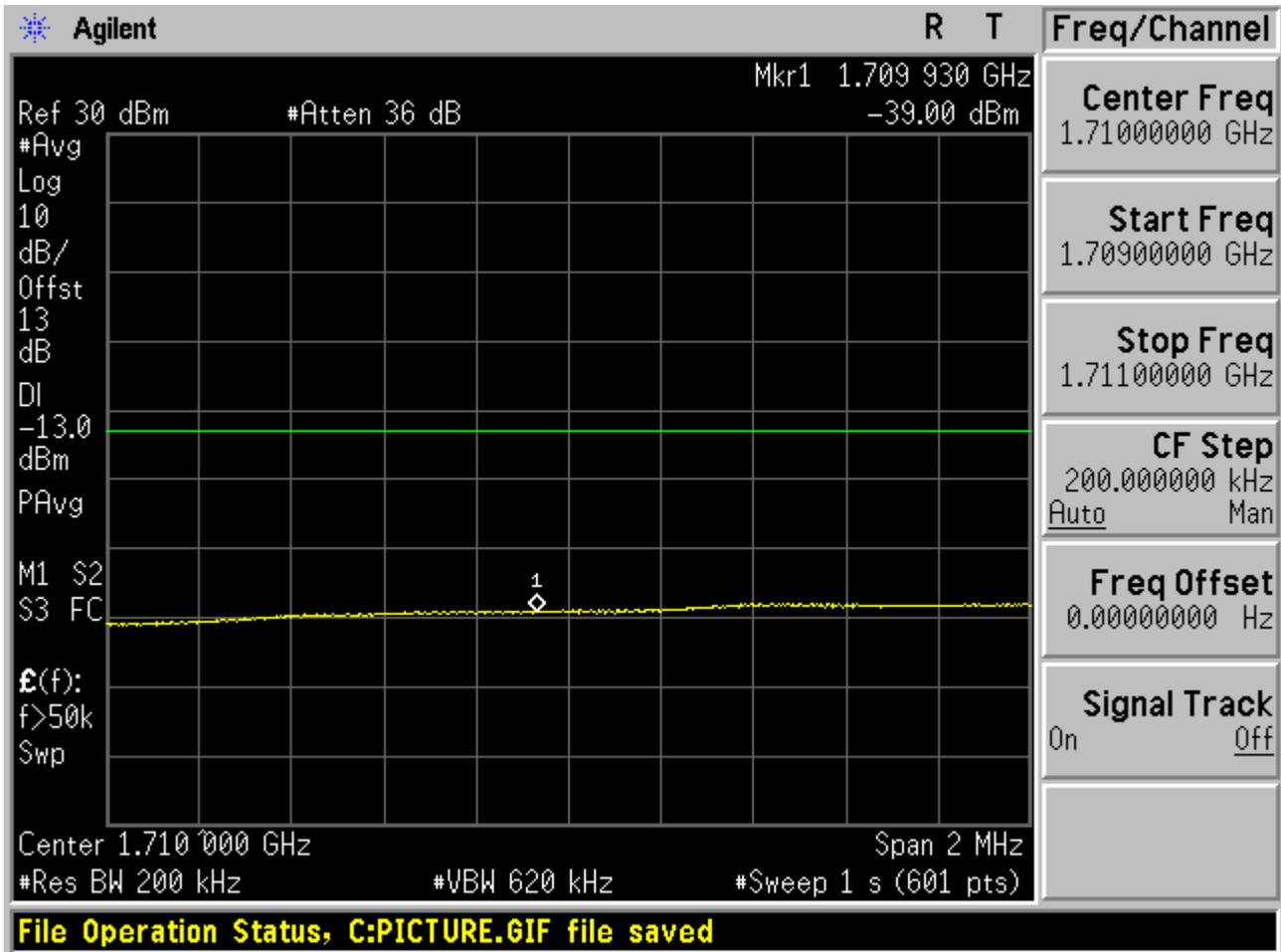


2.2.6.1.2 16QAM/1RB #max



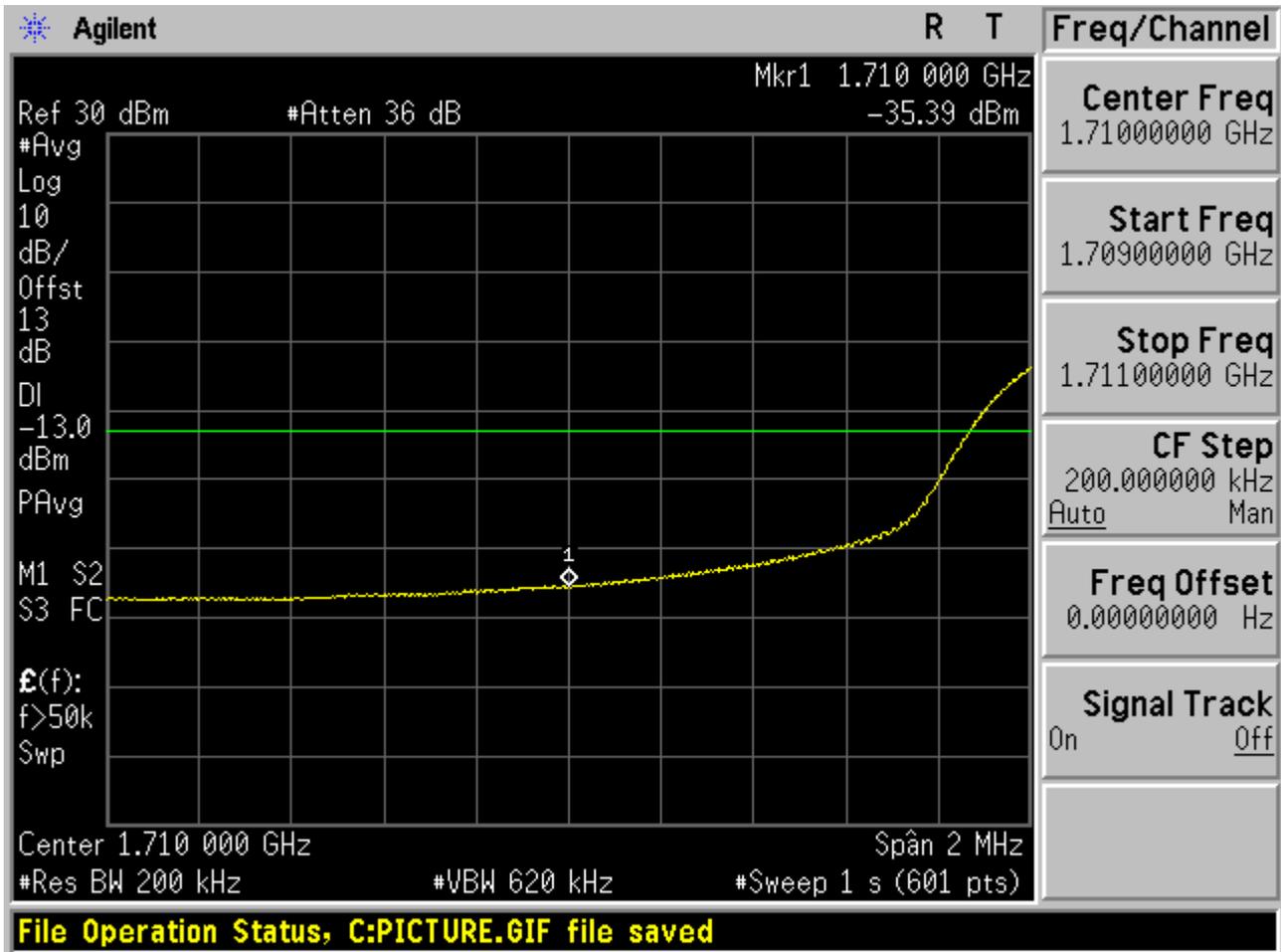


2.2.6.1.3 16QAM / non-1RB #mid/2





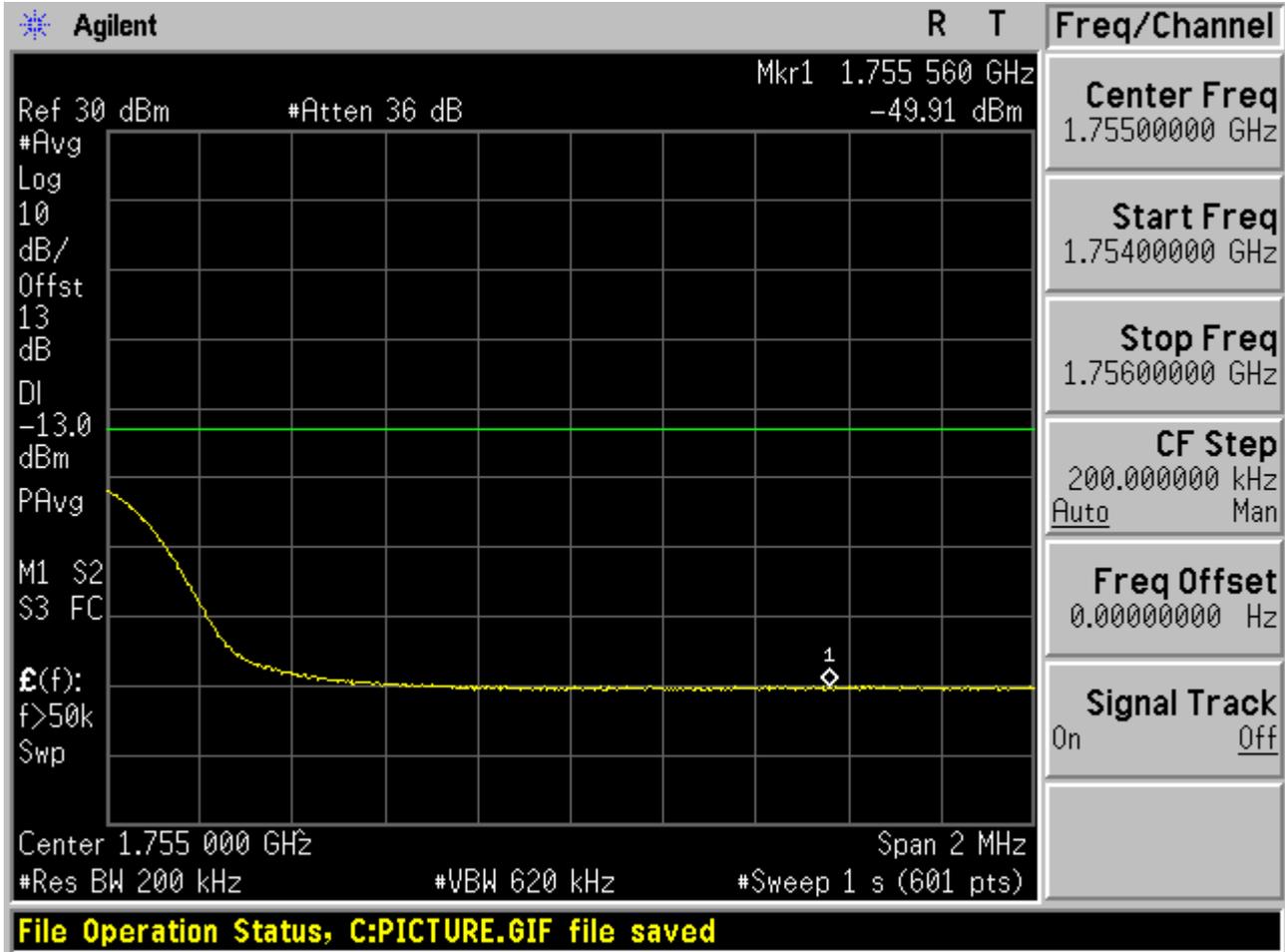
2.2.6.1.4 16QAM /full RBs





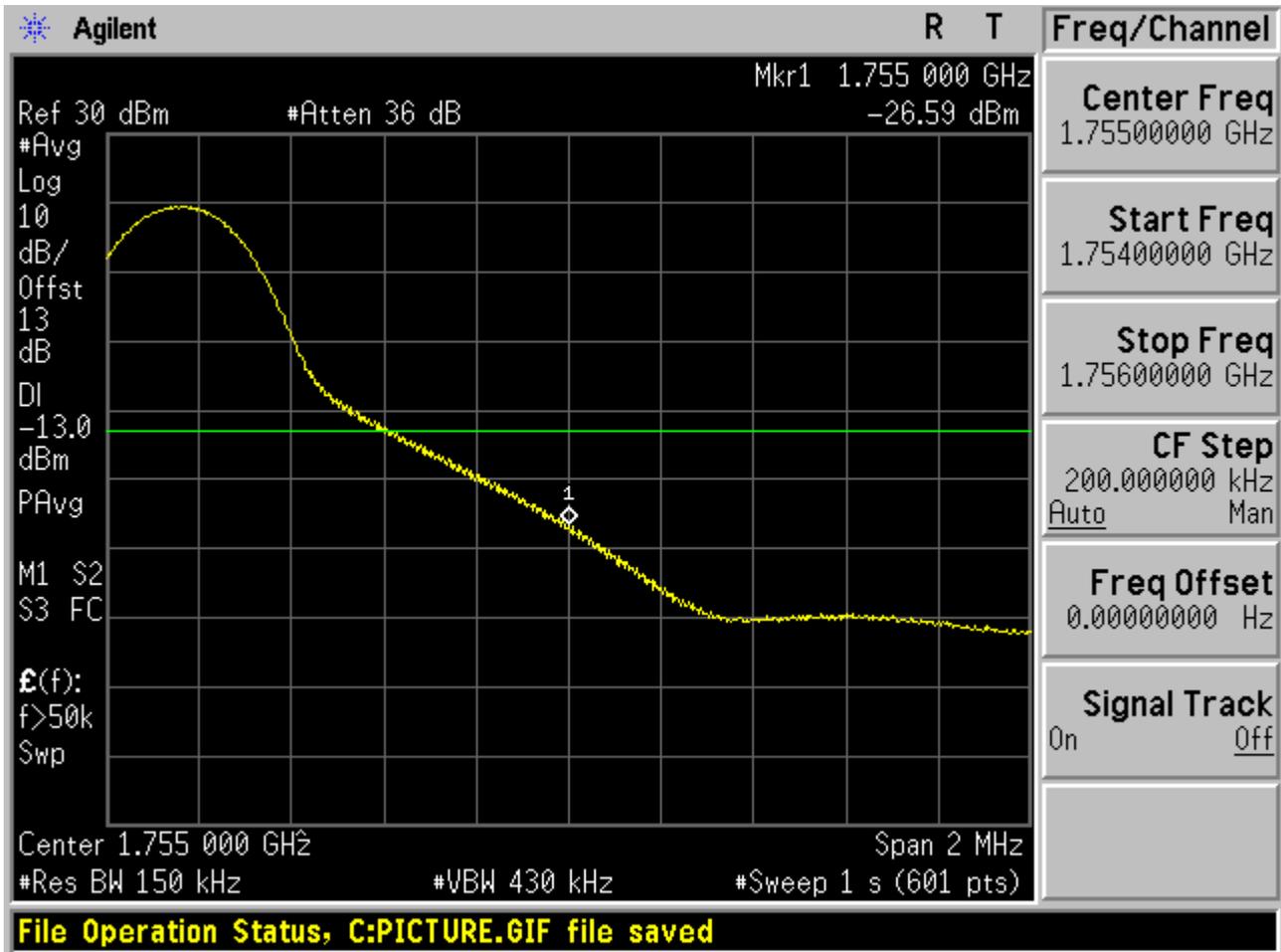
2.2.6.2 Channel= T

2.2.6.2.1 16QAM /1RB #0



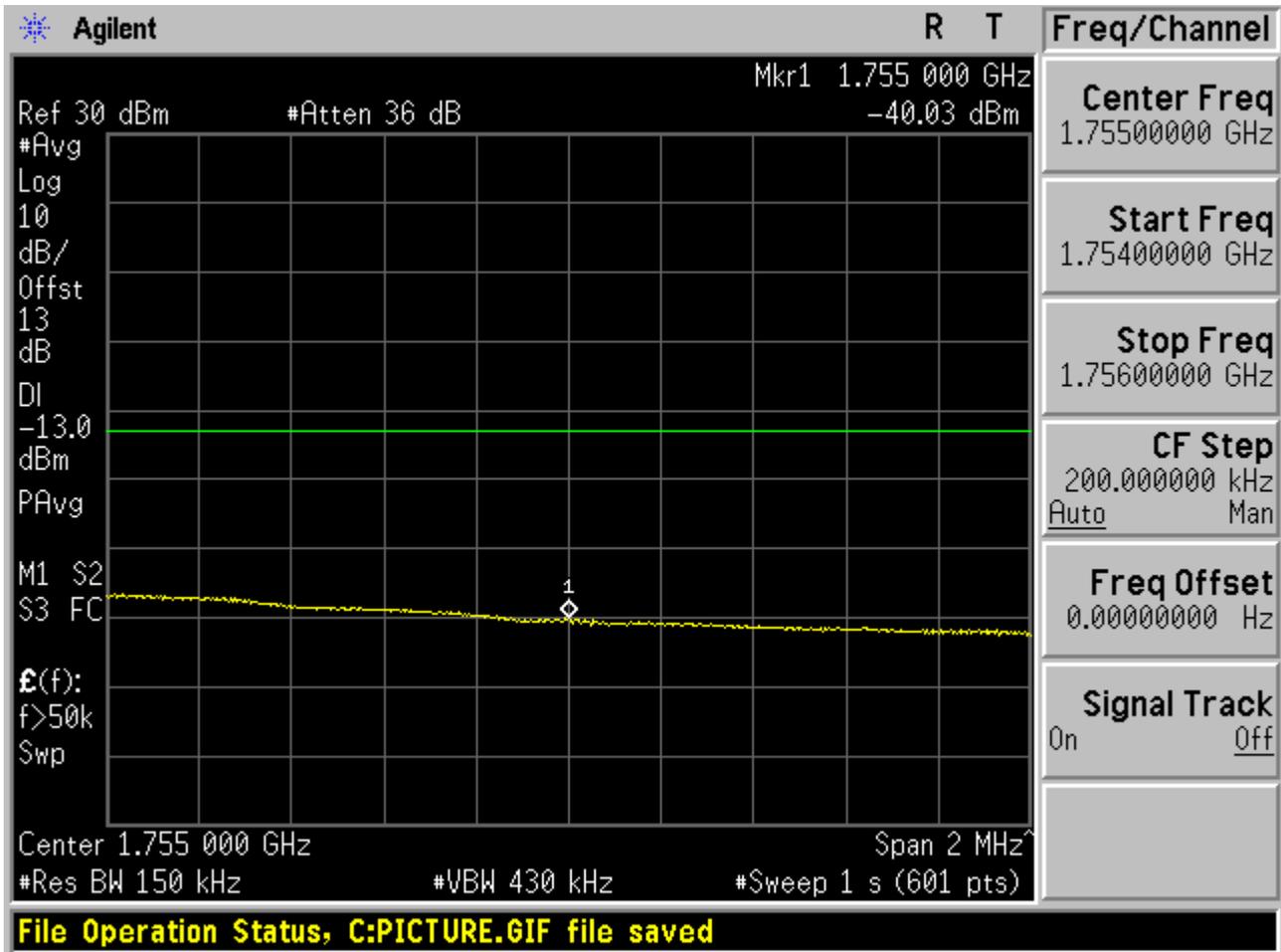


2.2.6.2.2 16QAM /1RB #max



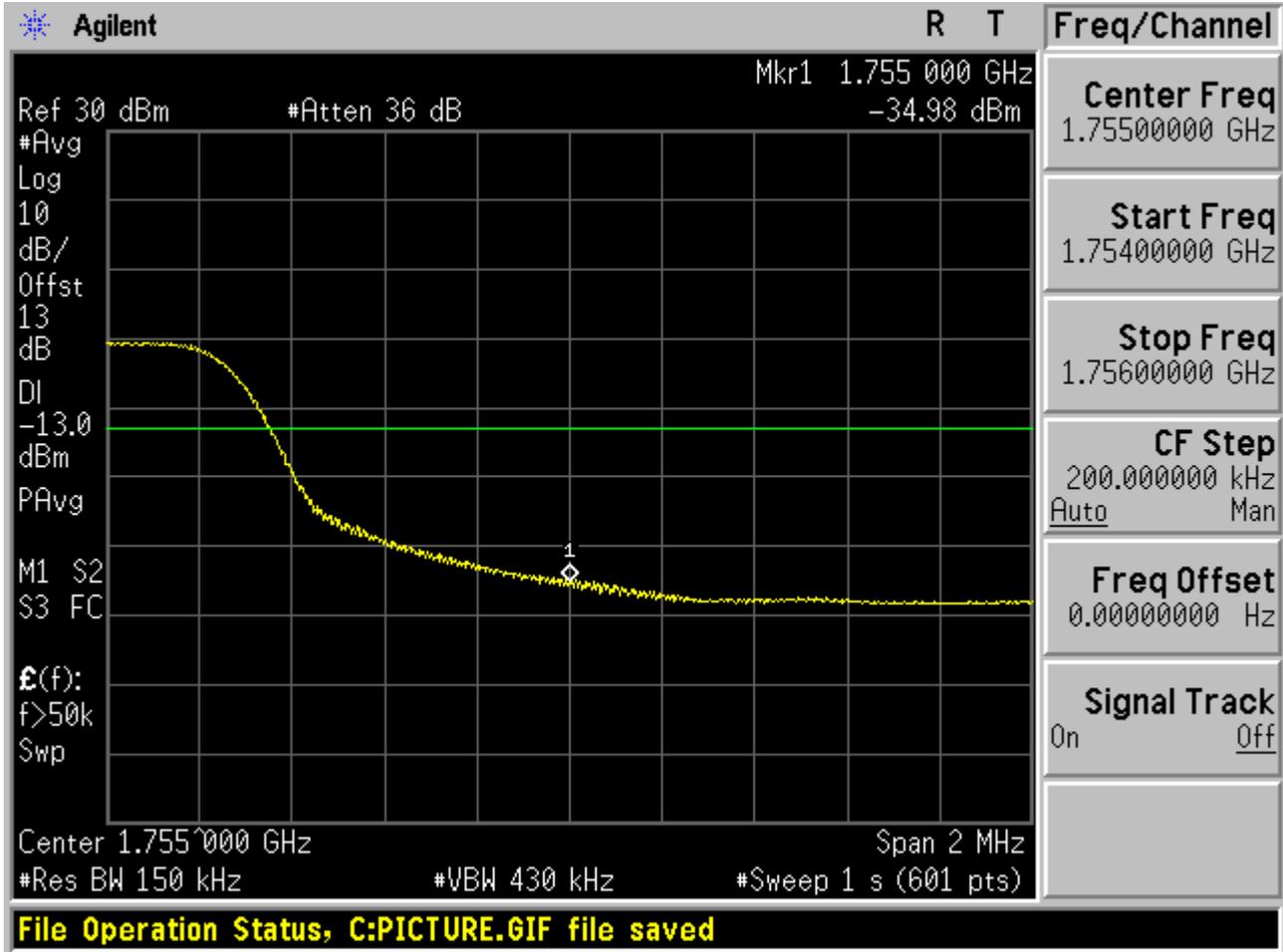


2.2.6.2.3 16QAM / non-1RB #mid/2





2.2.6.2.4 16QAM /full RBs



END



Appendix E

Spurious Emission at Antenna Terminal According to FCC Part 2.1051 & Part 27.53(h) & RSS-139



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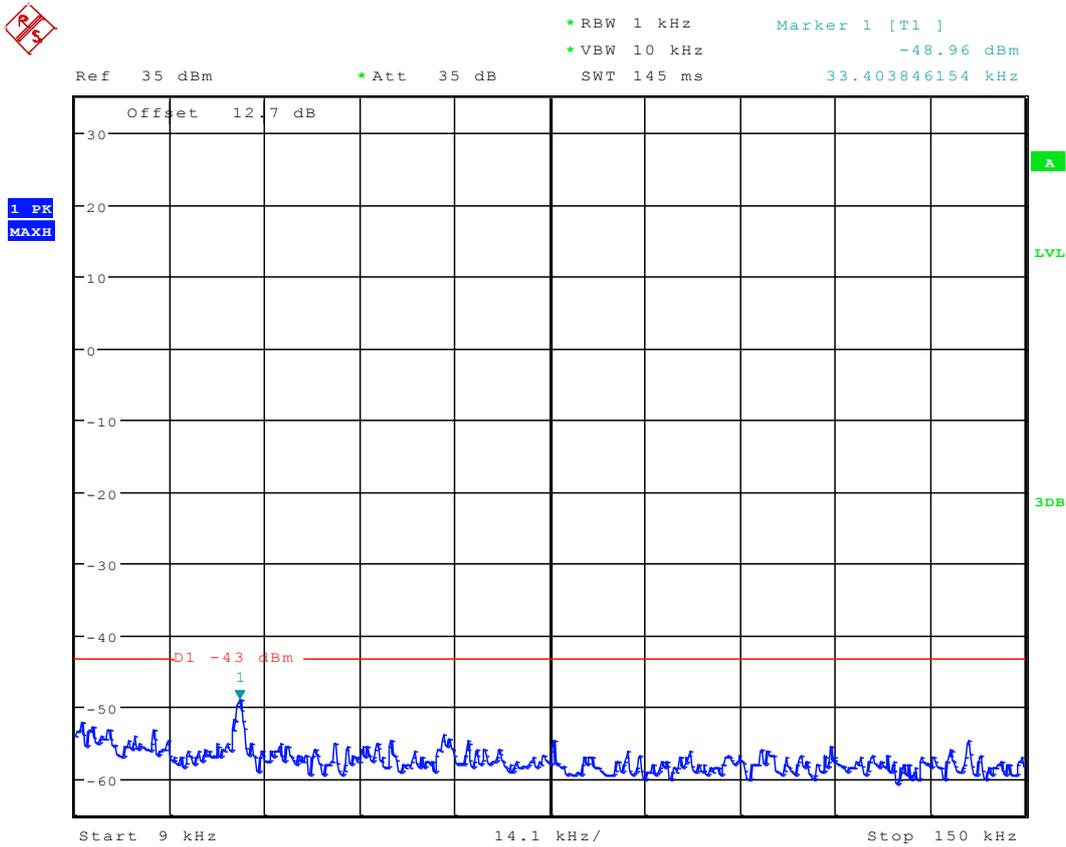
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1 For WCDMA Band 4

1.1 Test Mode=TM1

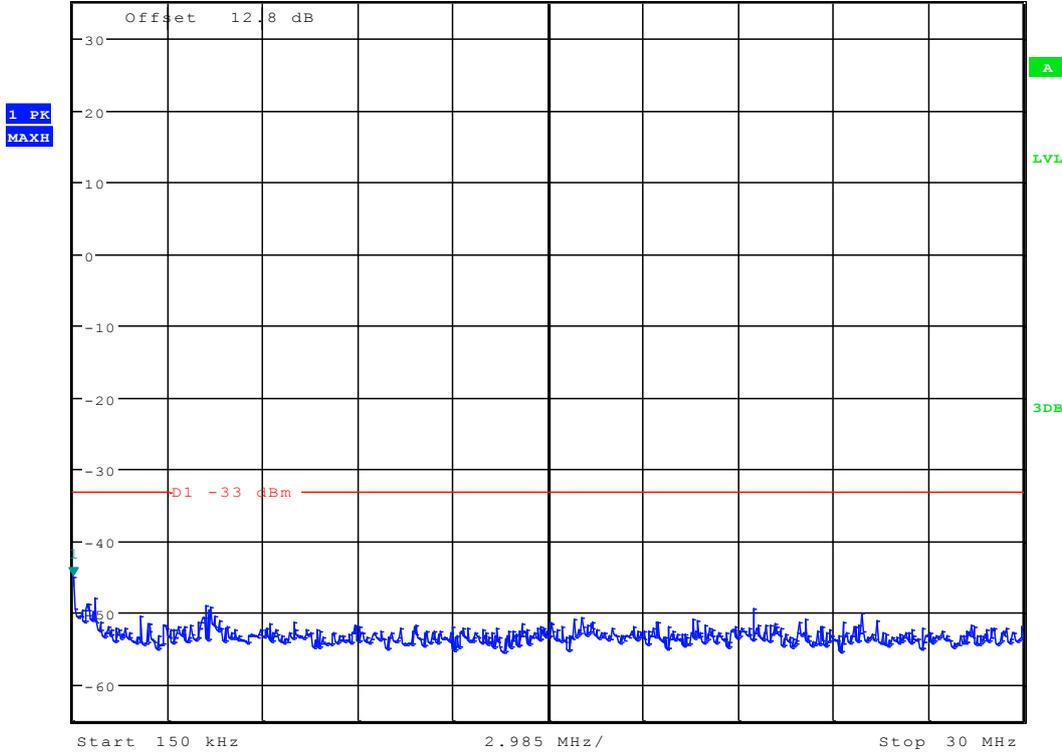
1.1.1 Channel = B



Date: 14.SEP.2012 09:10:50



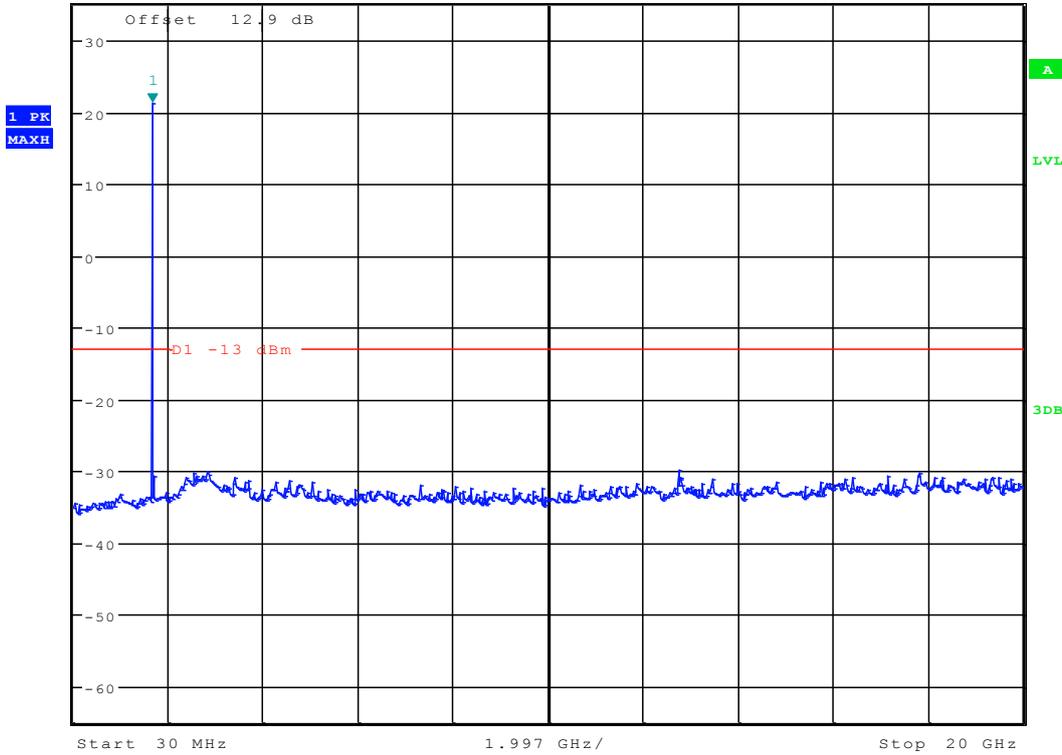
* RBW 10 kHz Marker 1 [T1]
 * VBW 30 kHz -44.91 dBm
 Ref 35 dBm * Att 35 dB SWT 300 ms 150.00000000 kHz



Date: 14.SEP.2012 09:11:34



* RBW 1 MHz Marker 1 [T1]
 * VBW 3 MHz 21.23 dBm
 Ref 35 dBm * Att 35 dB SWT 115 ms 1.694166667 GHz



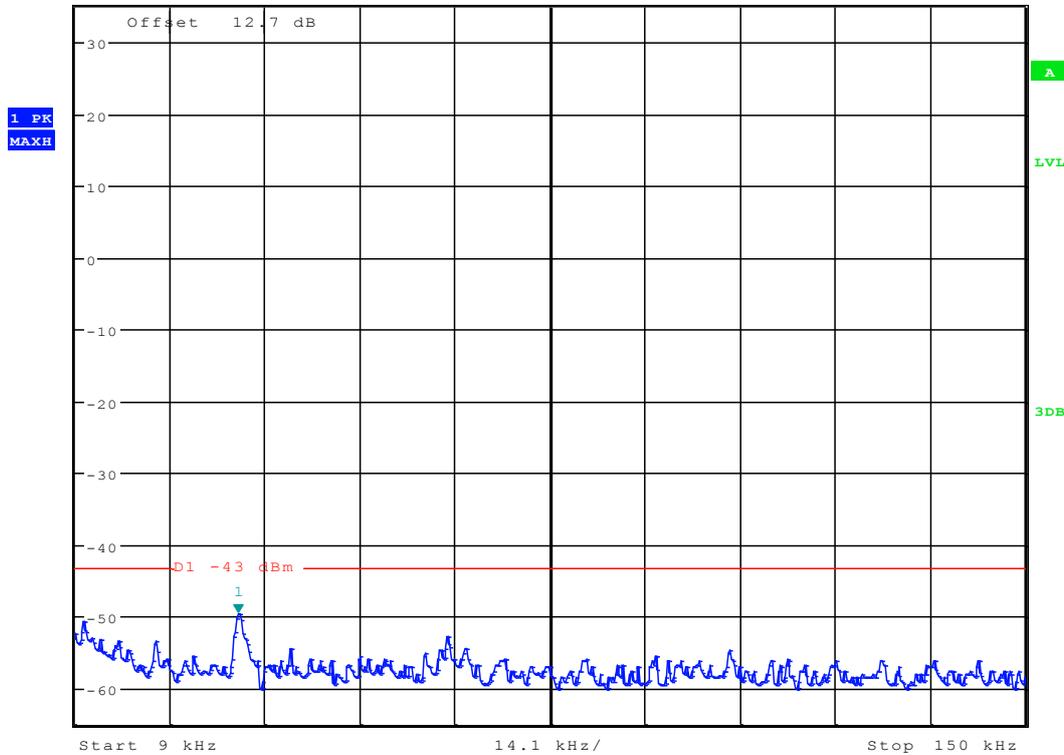
Date: 14.SEP.2012 09:12:18



1.1.2 Channel = M



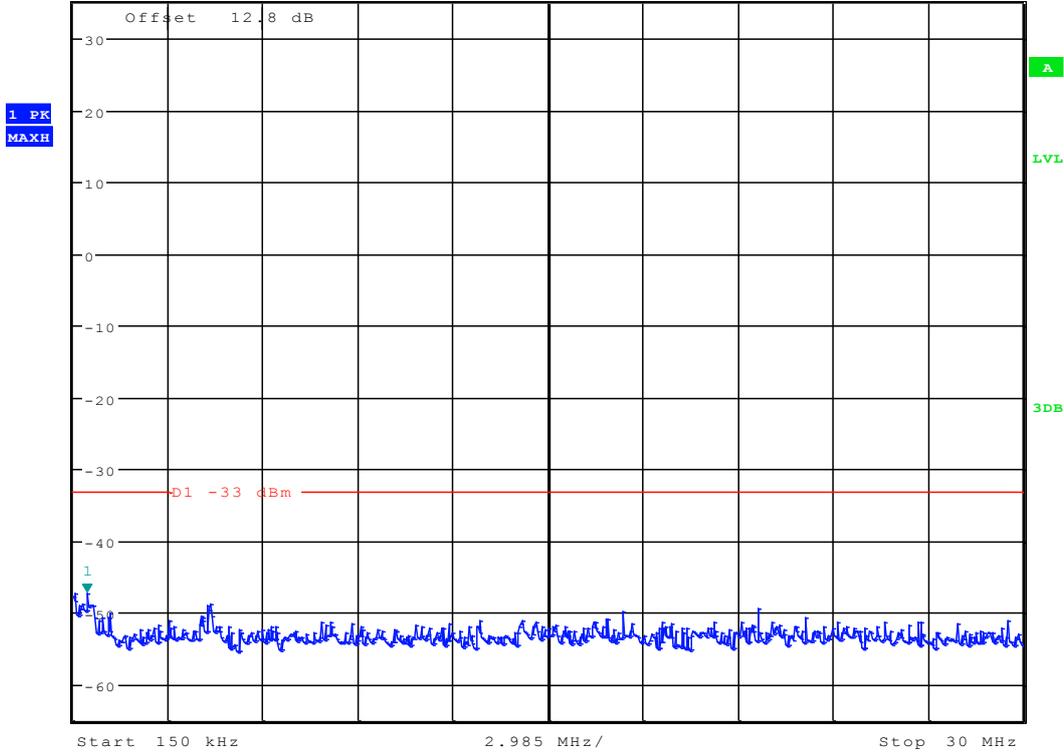
*RBW 1 kHz Marker 1 [T1]
 *VBW 10 kHz -49.47 dBm
 Ref 35 dBm *Att 35 dB SWT 145 ms 33.177884615 kHz



Date: 14.SEP.2012 09:11:04



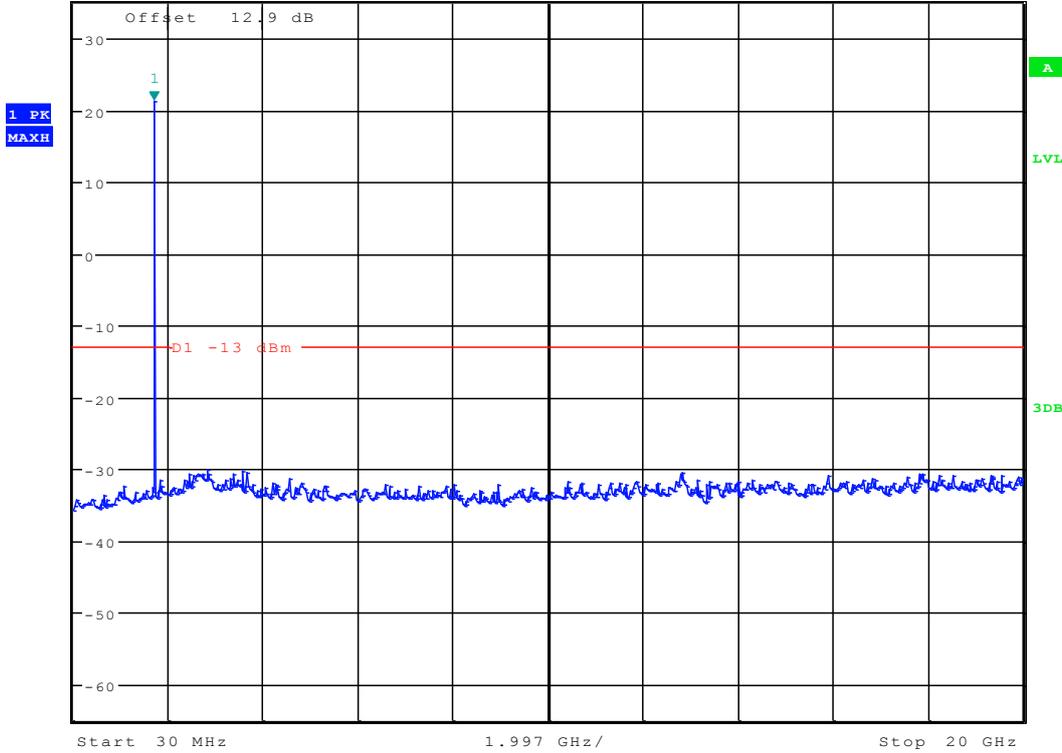
* RBW 10 kHz Marker 1 [T1]
 * VBW 30 kHz -47.23 dBm
 Ref 35 dBm * Att 35 dB SWT 300 ms 580.528846154 kHz



Date: 14.SEP.2012 09:11:48



* RBW 1 MHz Marker 1 [T1]
 * VBW 3 MHz 21.32 dBm
 Ref 35 dBm * Att 35 dB SWT 115 ms 1.726169872 GHz



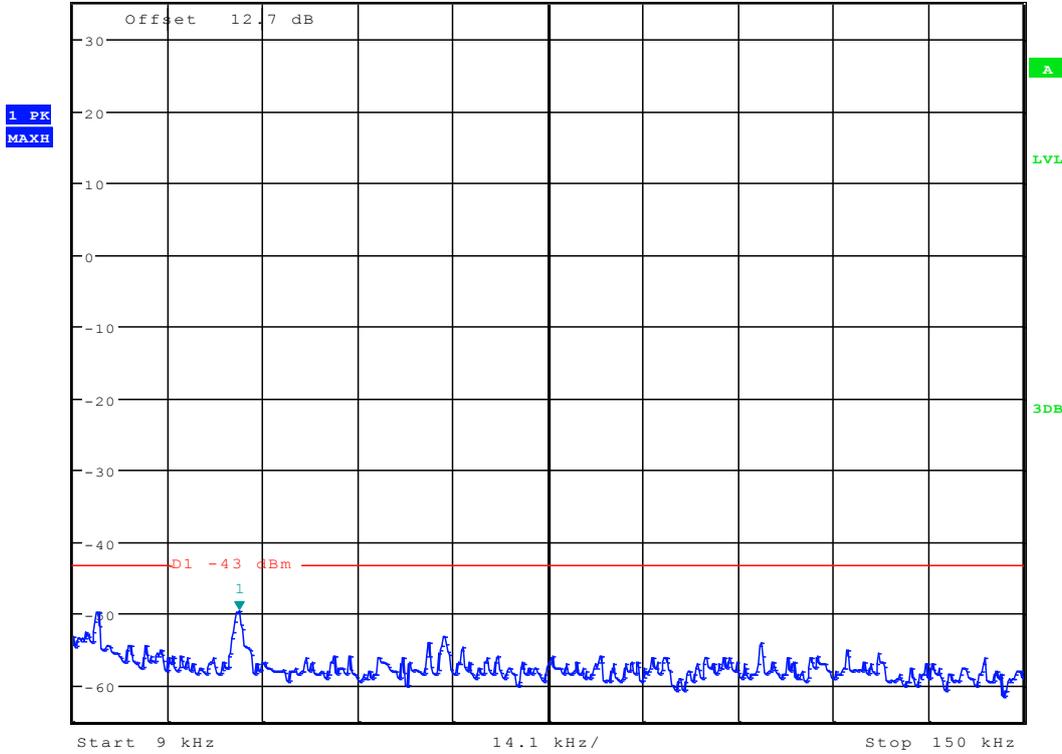
Date: 14.SEP.2012 09:12:32



1.1.3 Channel = T



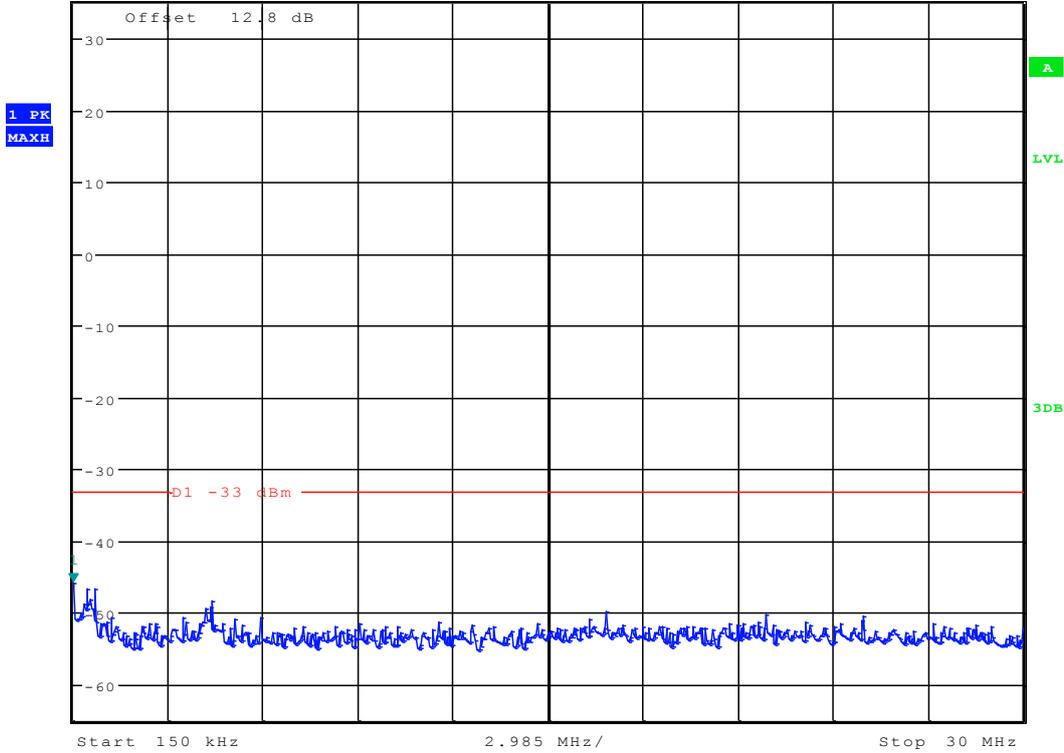
*RBW 1 kHz Marker 1 [T1]
 *VBW 10 kHz -49.47 dBm
 Ref 35 dBm *Att 35 dB SWT 145 ms 33.629807692 kHz



Date: 14.SEP.2012 09:11:19



* RBW 10 kHz Marker 1 [T1]
 * VBW 30 kHz -45.85 dBm
 Ref 35 dBm * Att 35 dB SWT 300 ms 150.00000000 kHz



Date: 14.SEP.2012 09:12:03

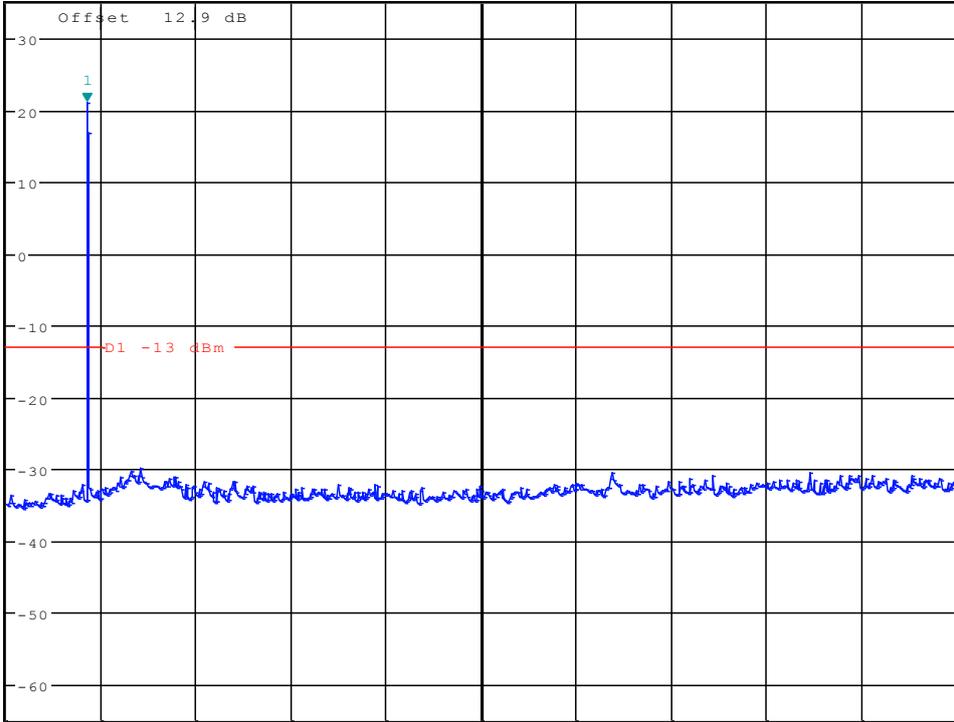


* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz 20.97 dBm
SWT 115 ms 1.726169872 GHz

Ref 35 dBm

* Att 35 dB

1 PK
MAXH



Date: 14.SEP.2012 09:12:47



2 For Band 4

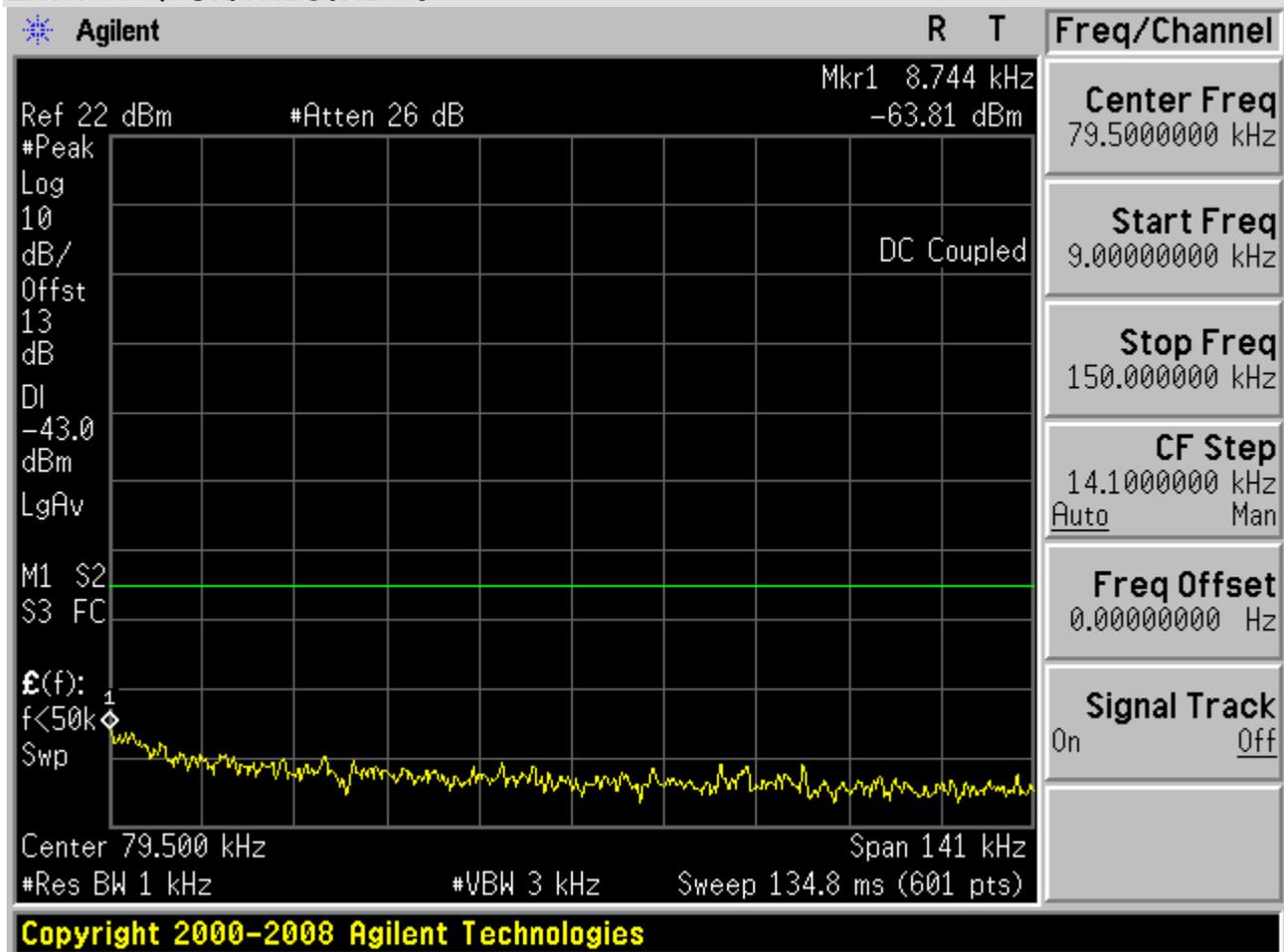
NOTE1: All relevant operation modes have been tested, and the 1RBs /RB#0 case data is included in this report.

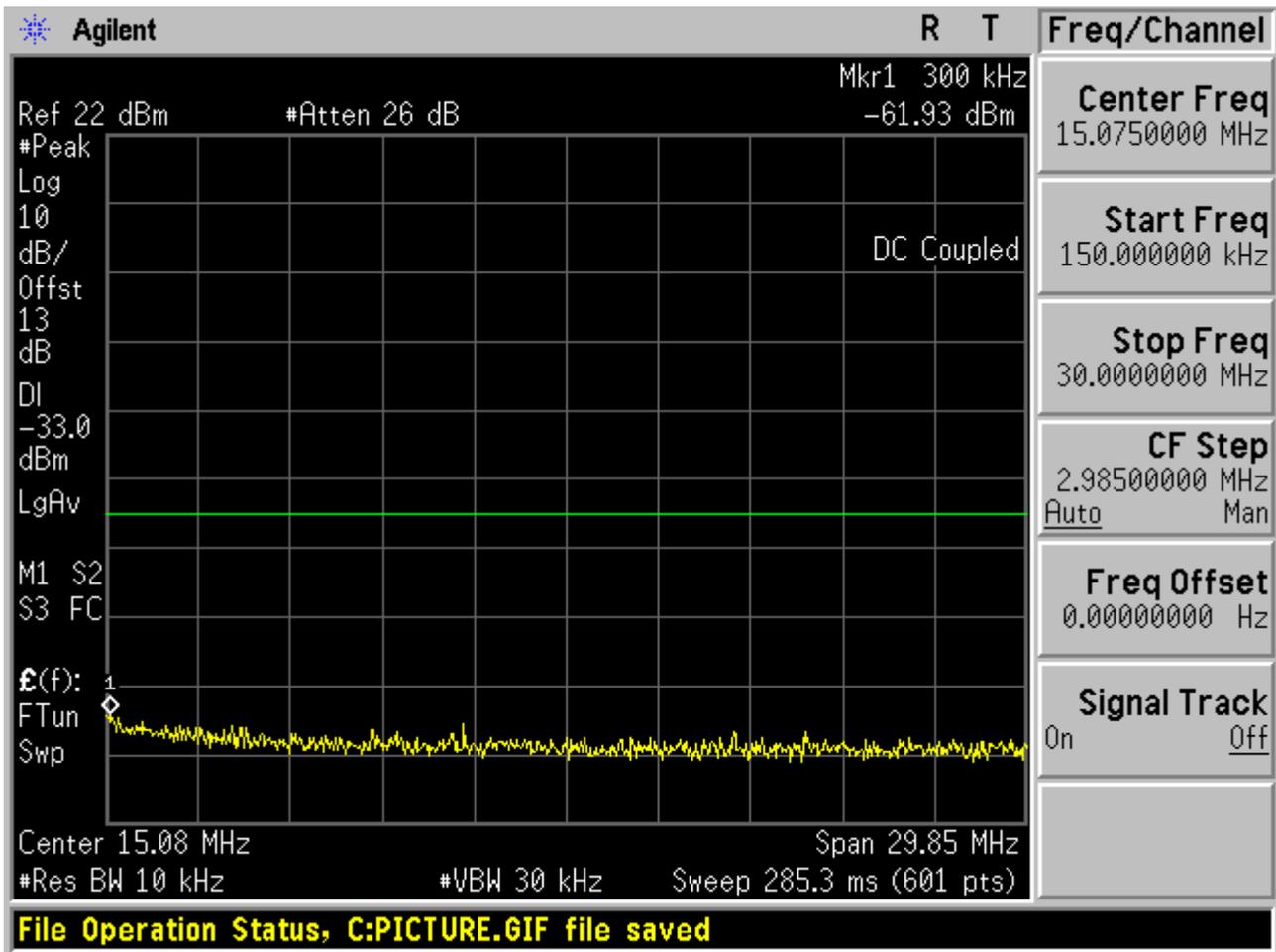
2.1 Test Mode=TM4

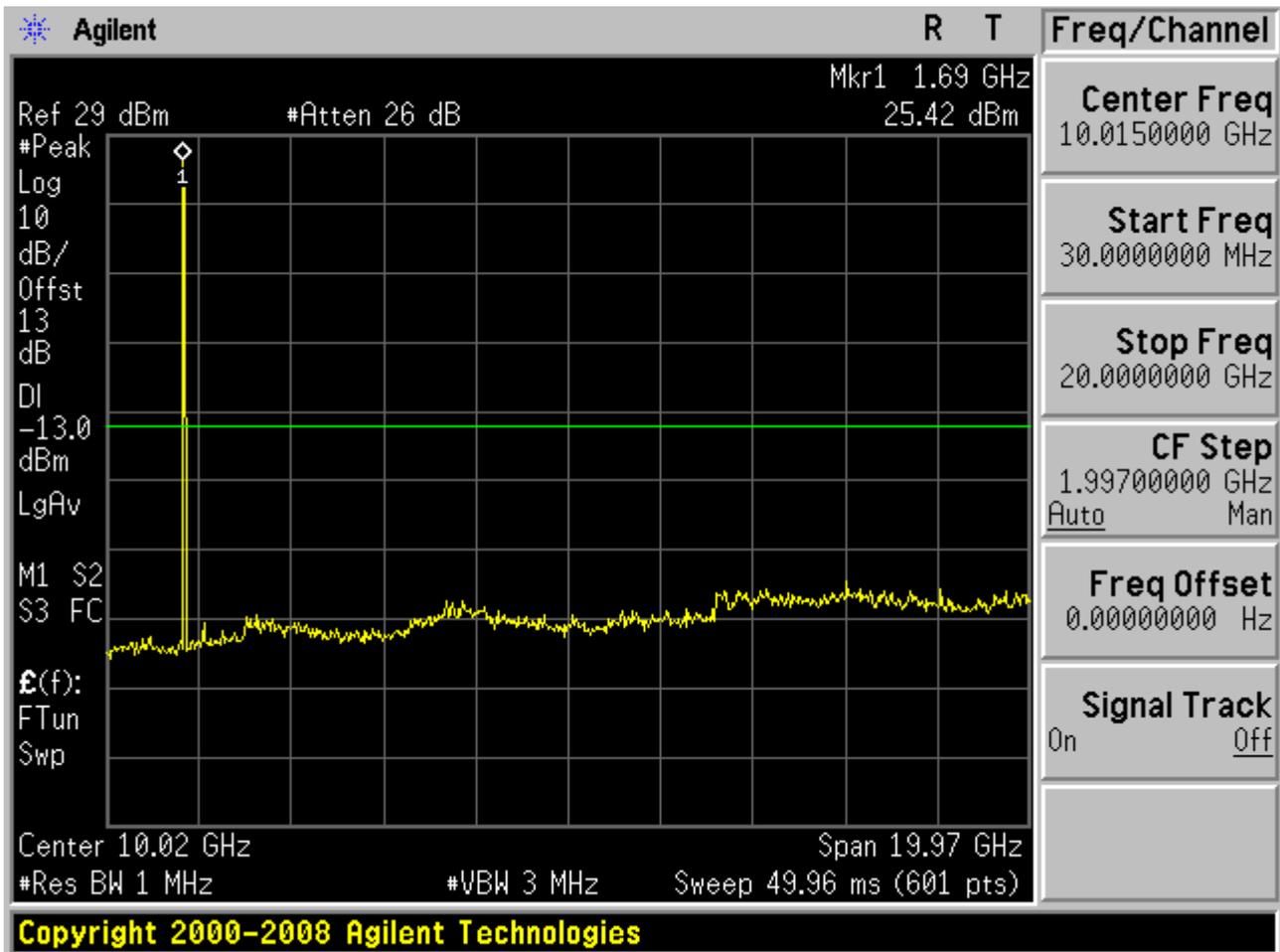
2.1.1 Channel Bandwidth = 1.4 MHz

2.1.1.1 Channel = B

2.1.1.1.1 QPSK/1RBs /RB #0



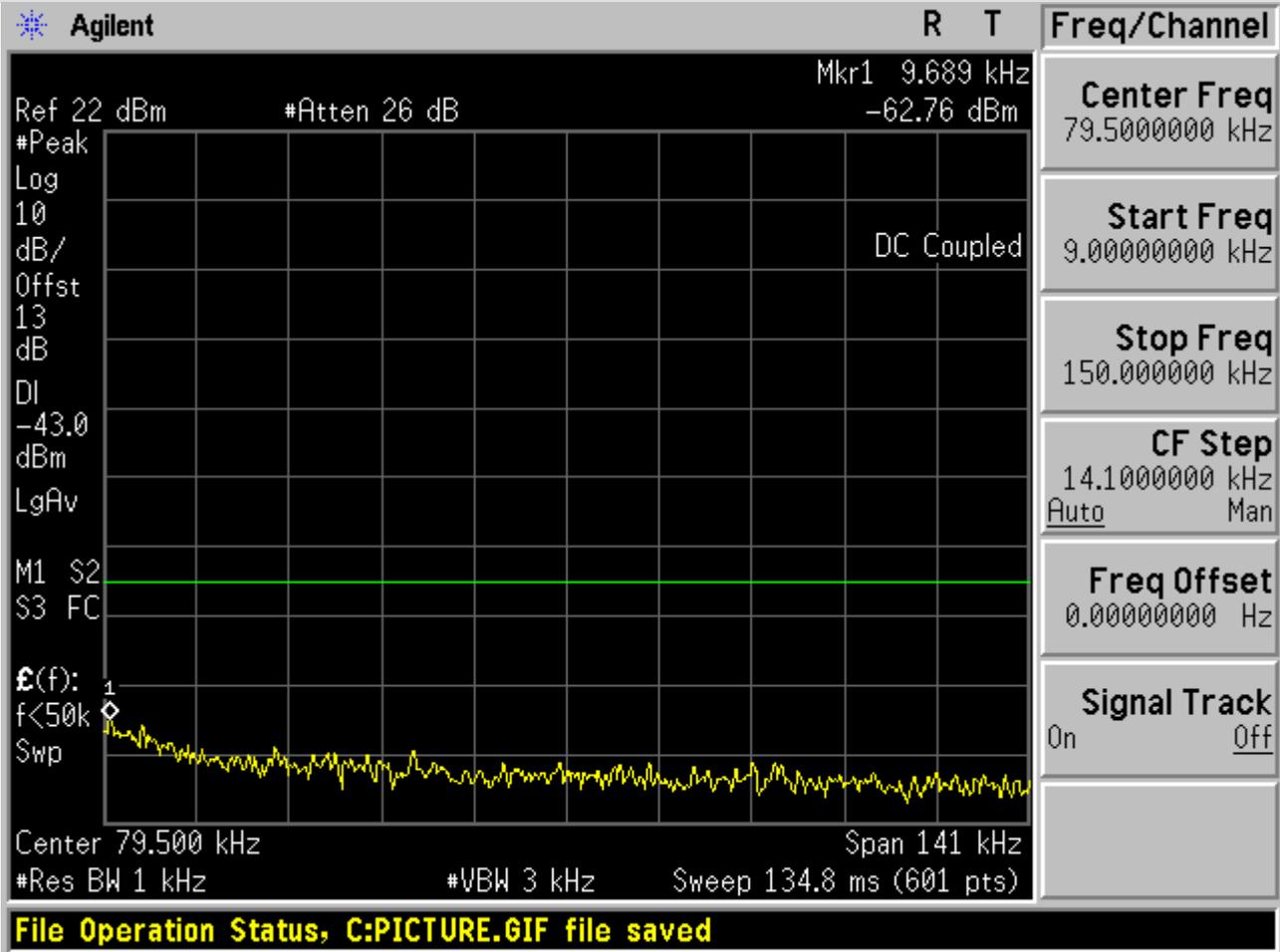


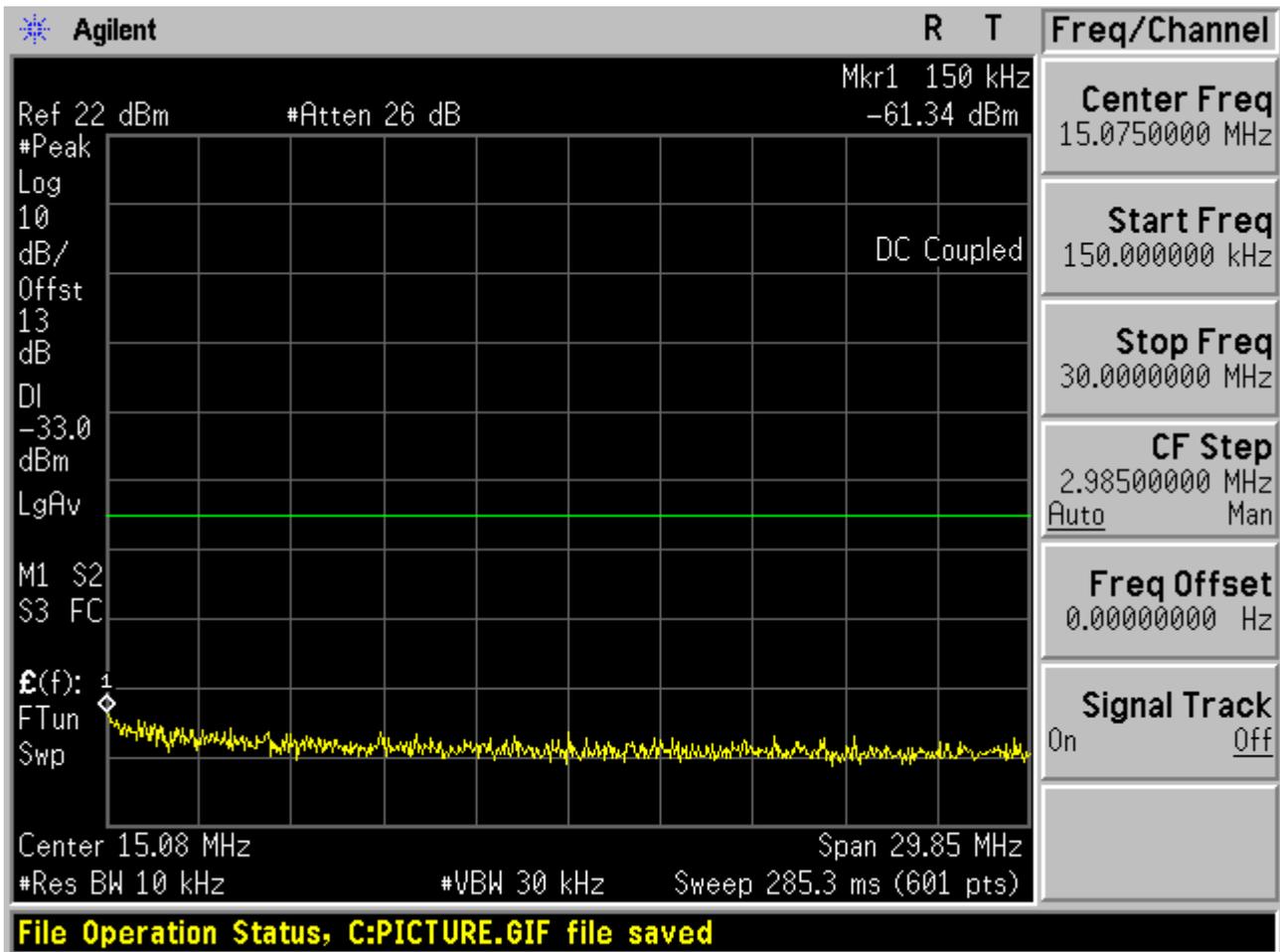


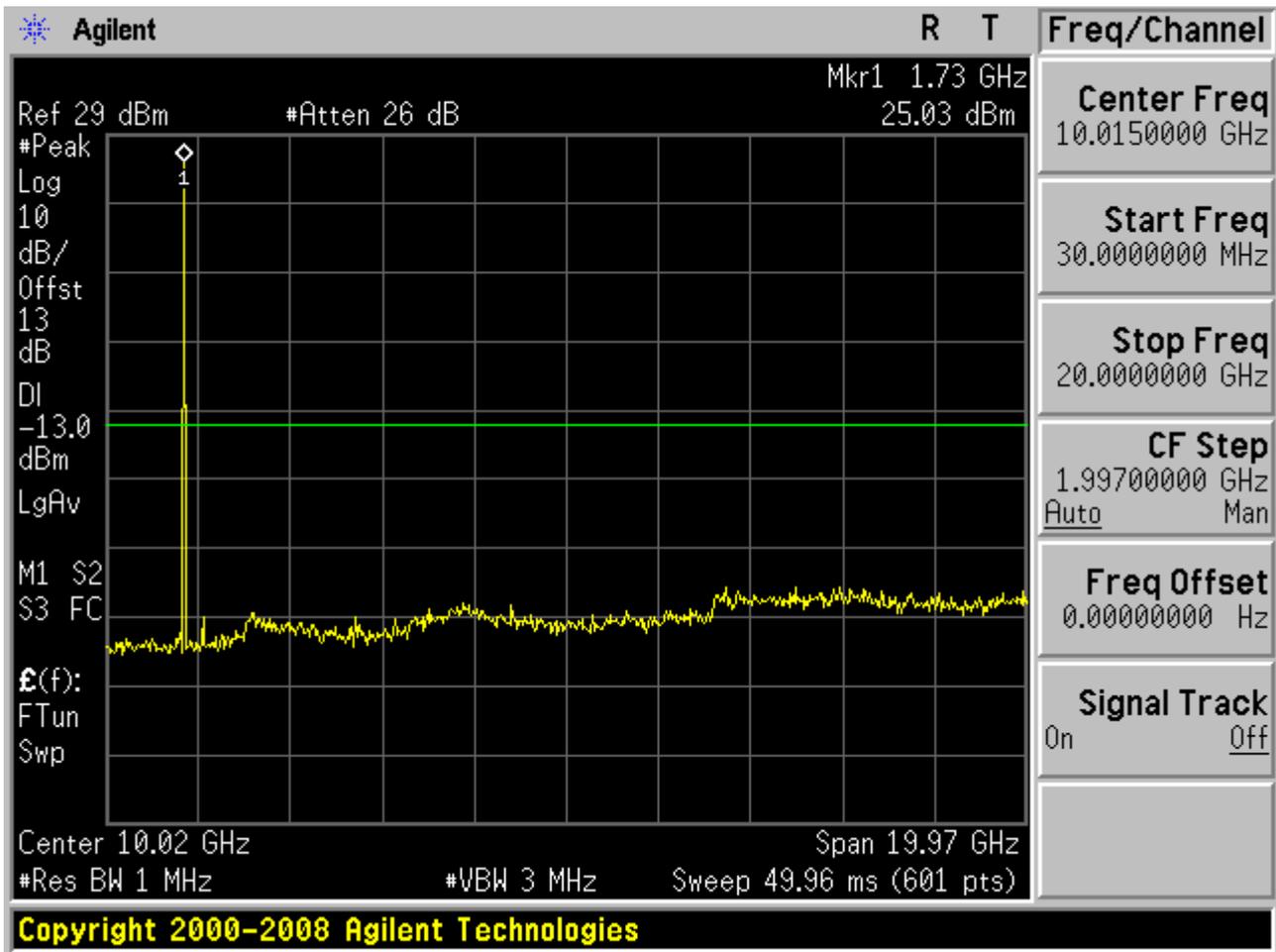


2.1.1.2 Channel = M

2.1.1.2.1 QPSK/1RBs /RB #0



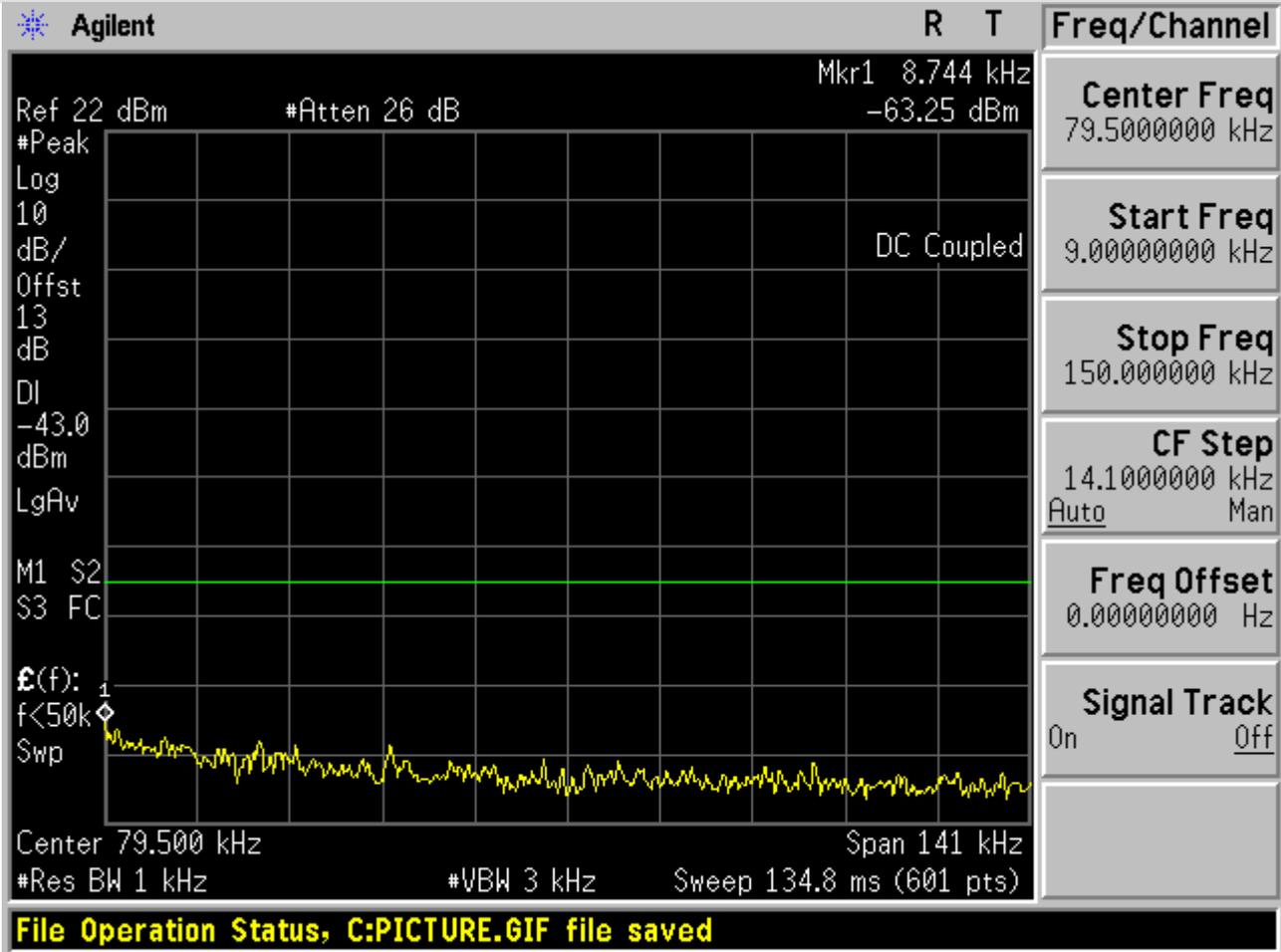


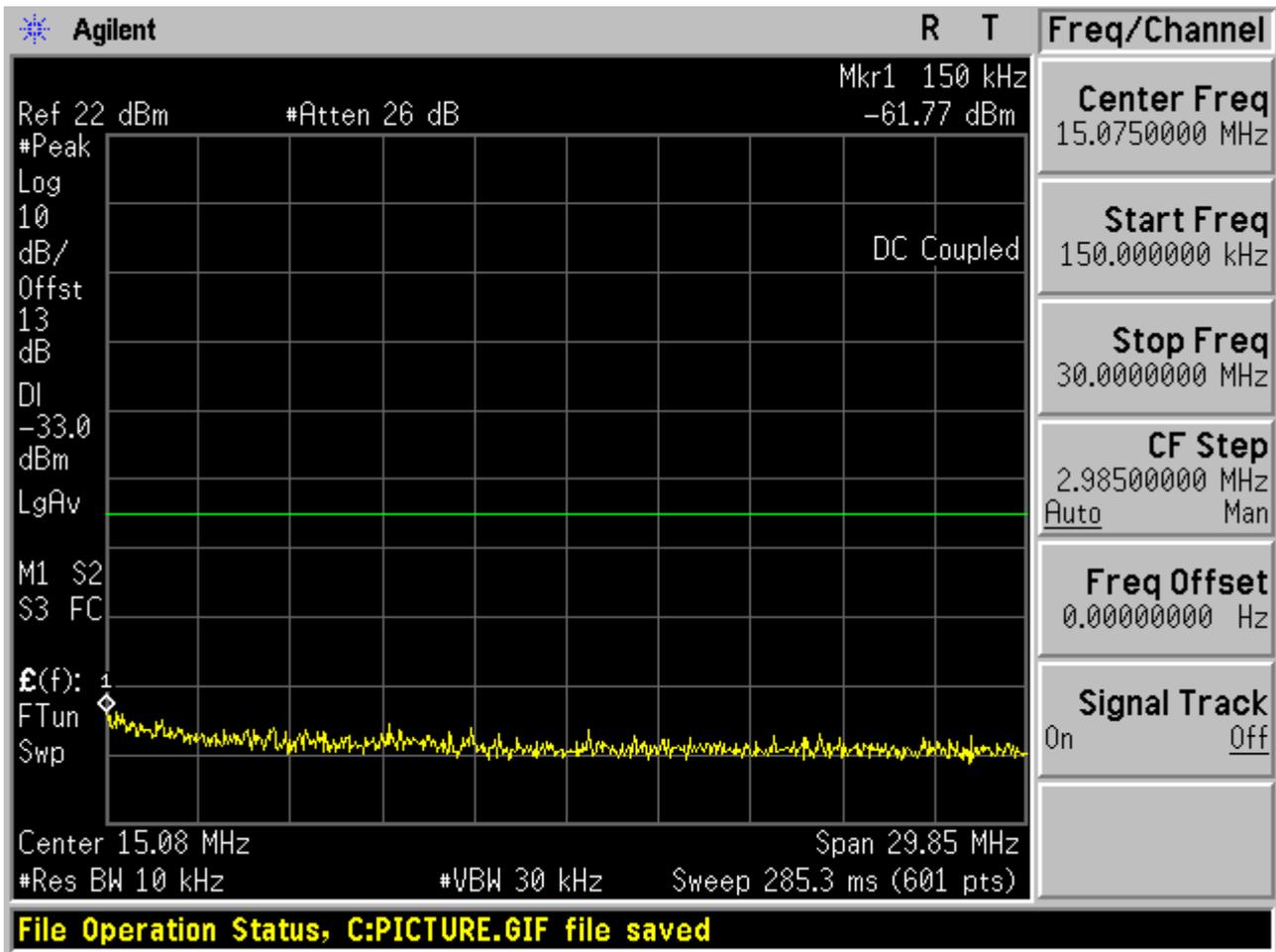


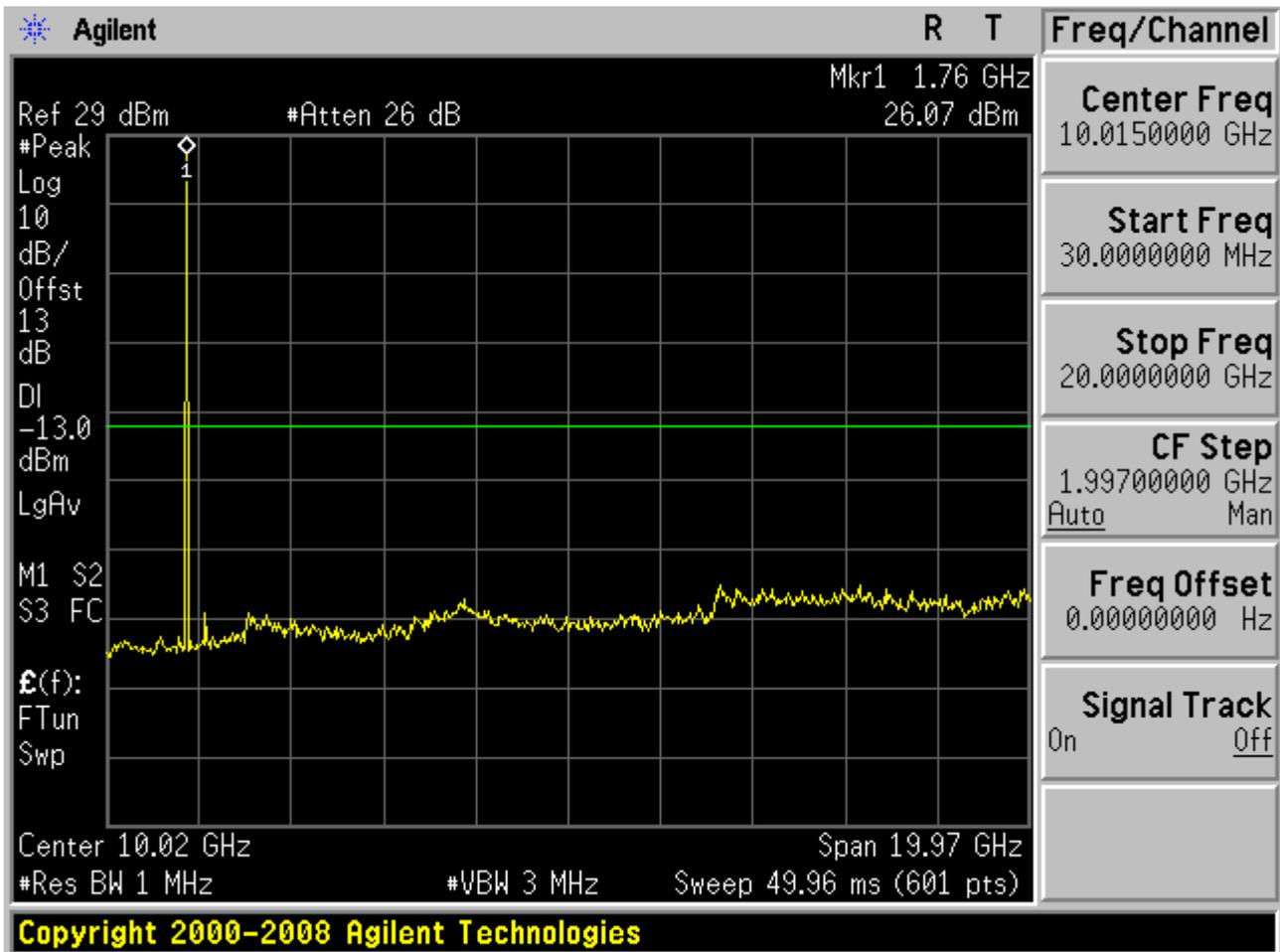


2.1.1.3 Channel = T

2.1.1.3.1 QPSK/1RBs /RB #0





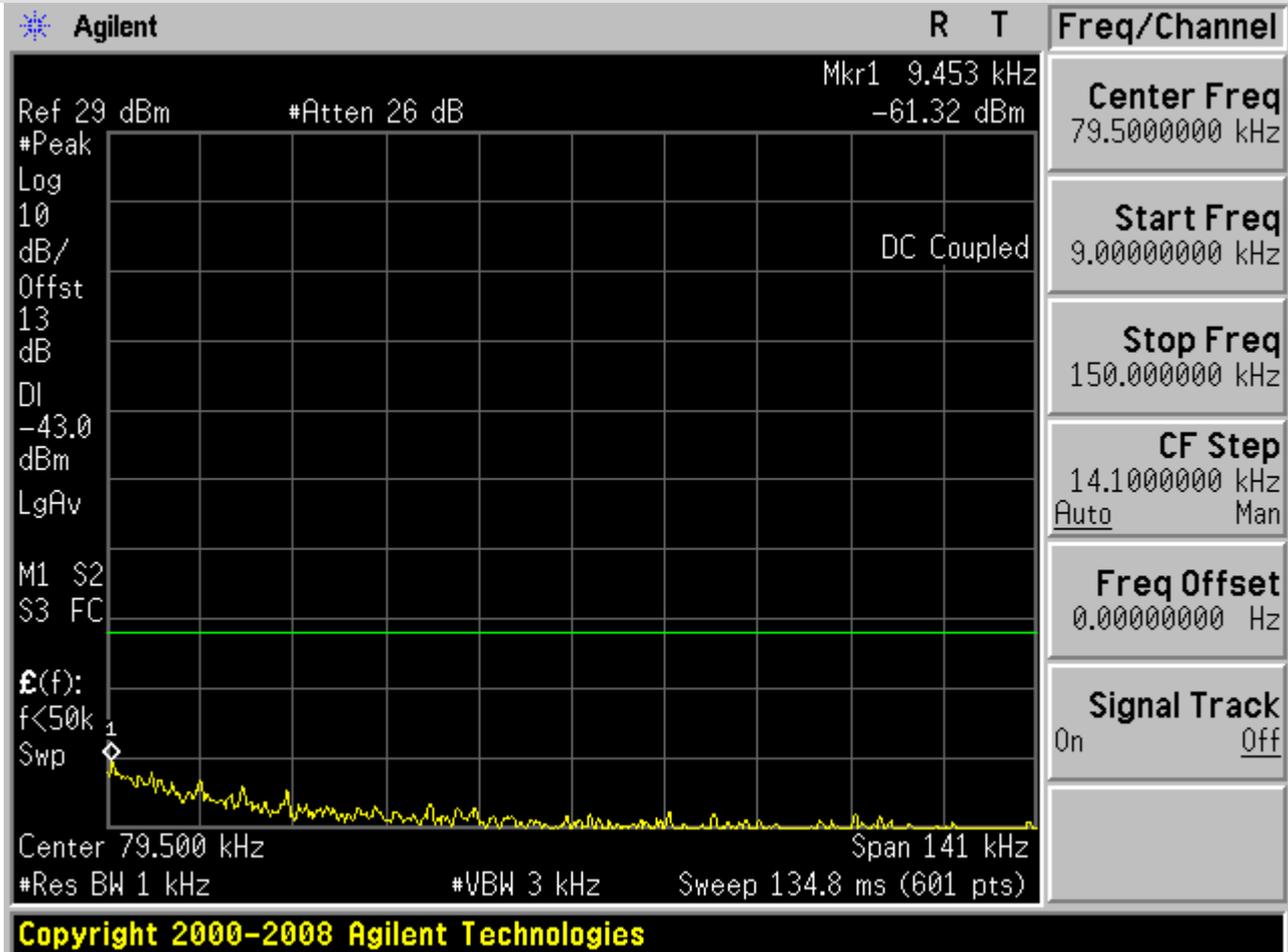


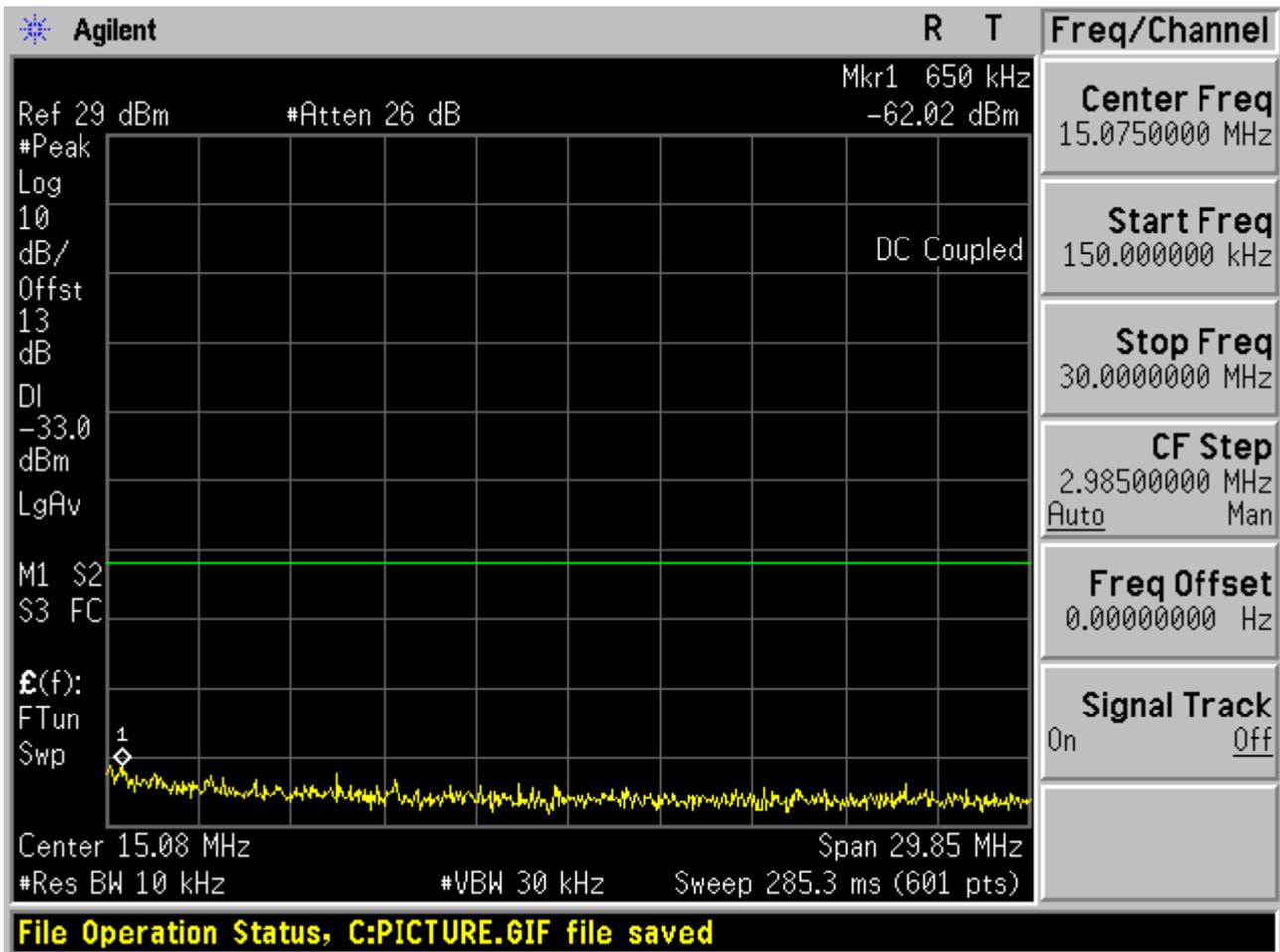


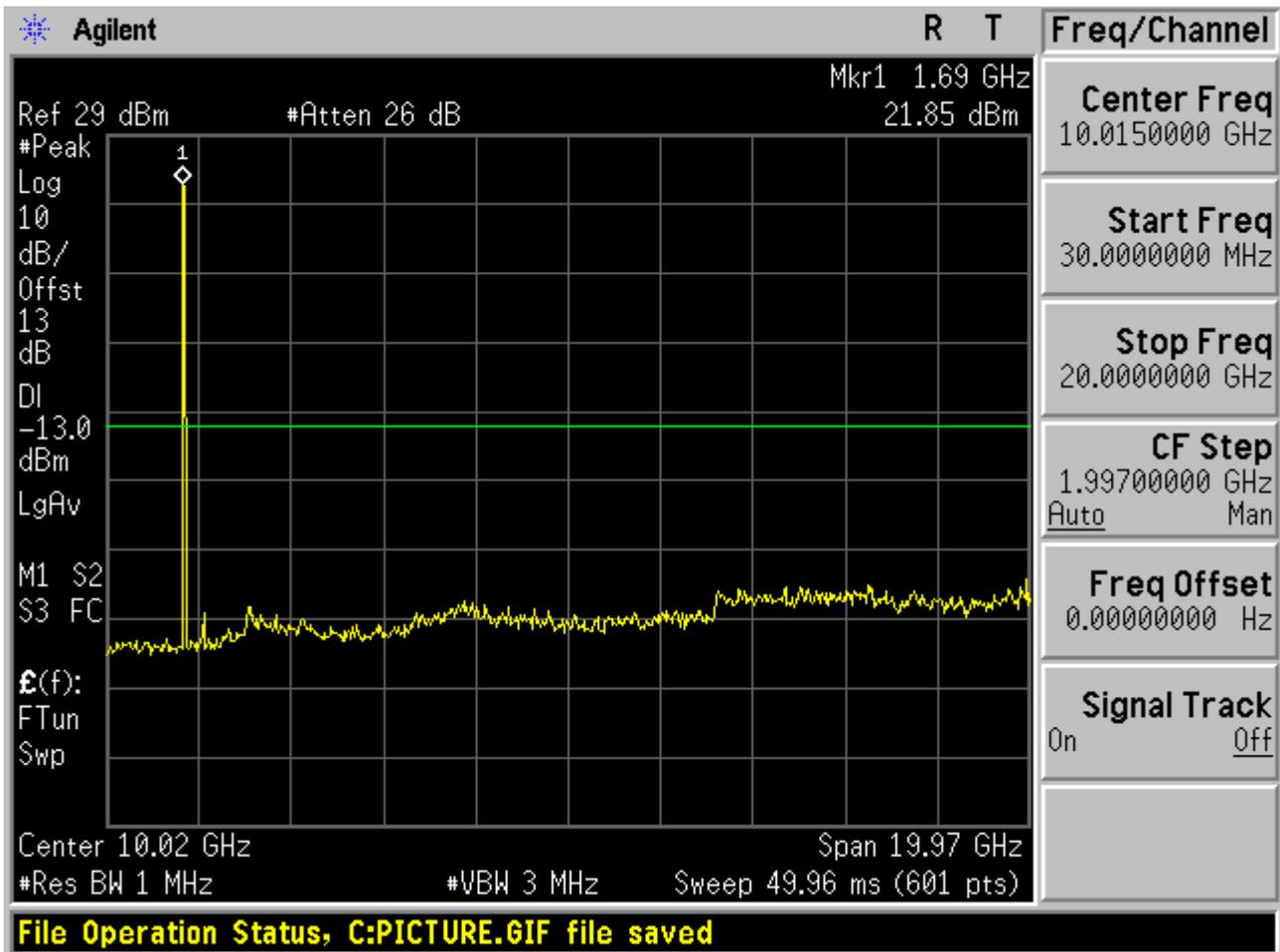
2.1.2 Channel Bandwidth = 3 MHz

2.1.2.1 Channel = B

2.1.2.1.1 QPSK/1RBs /RB #0



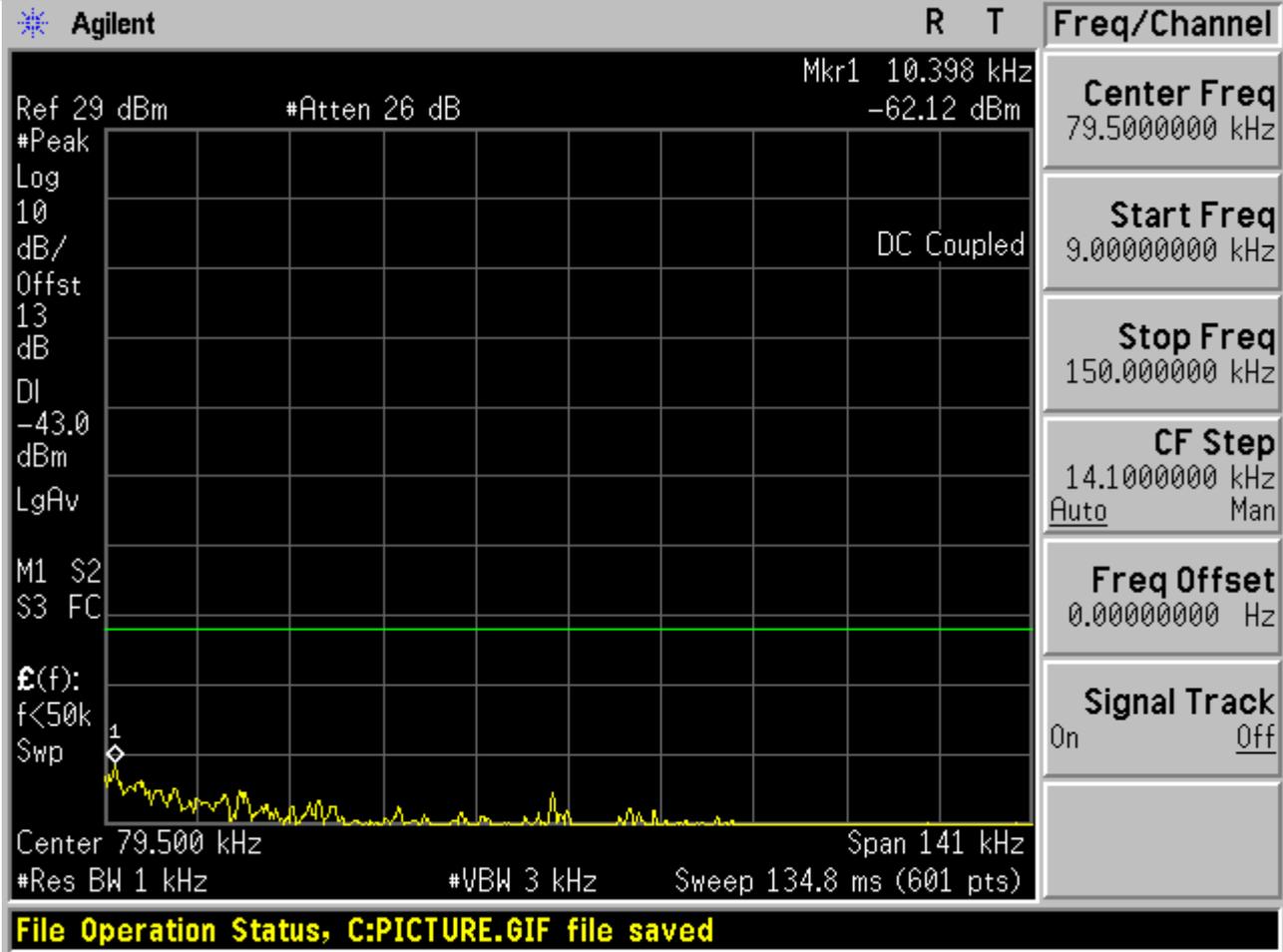


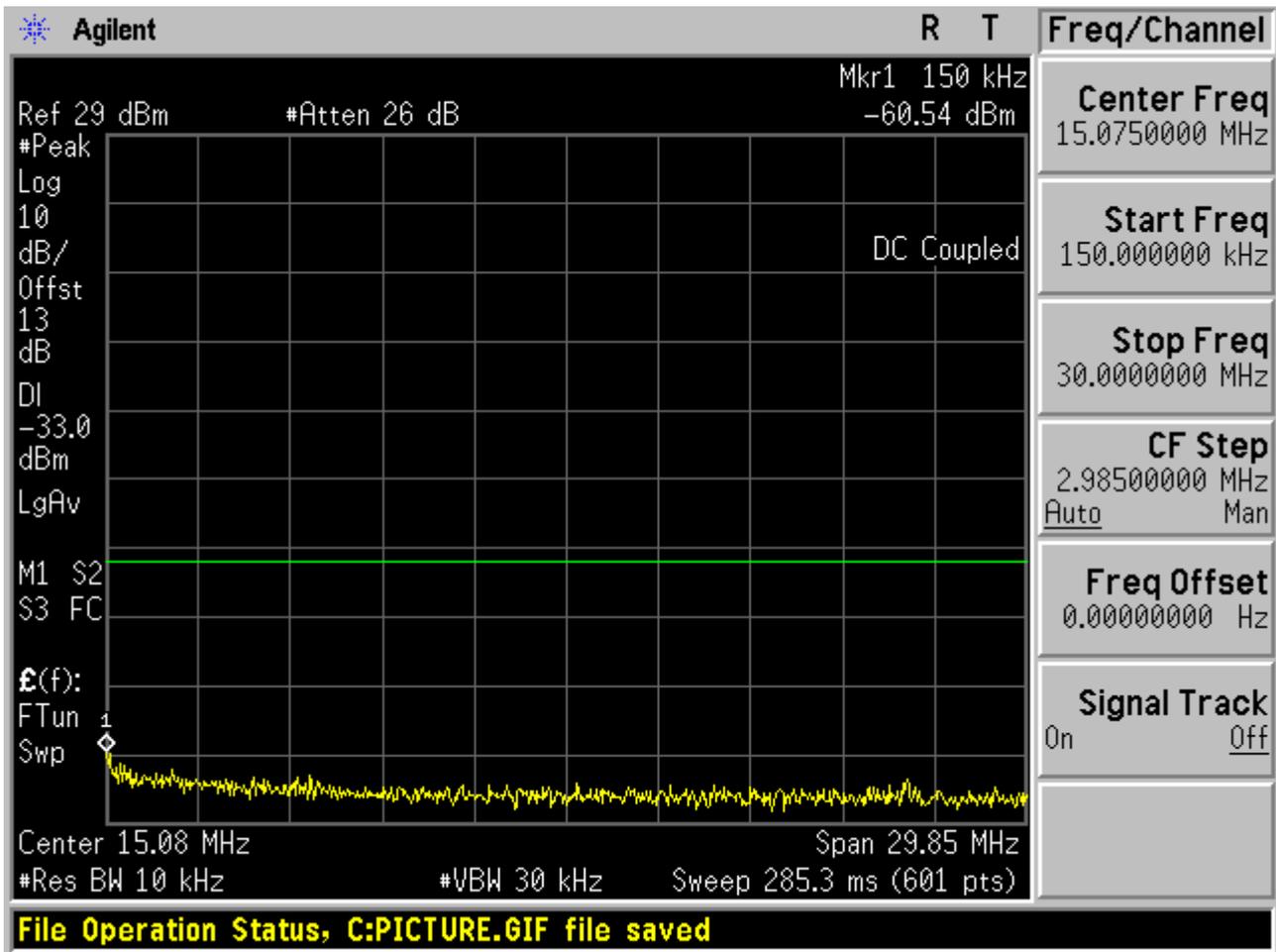


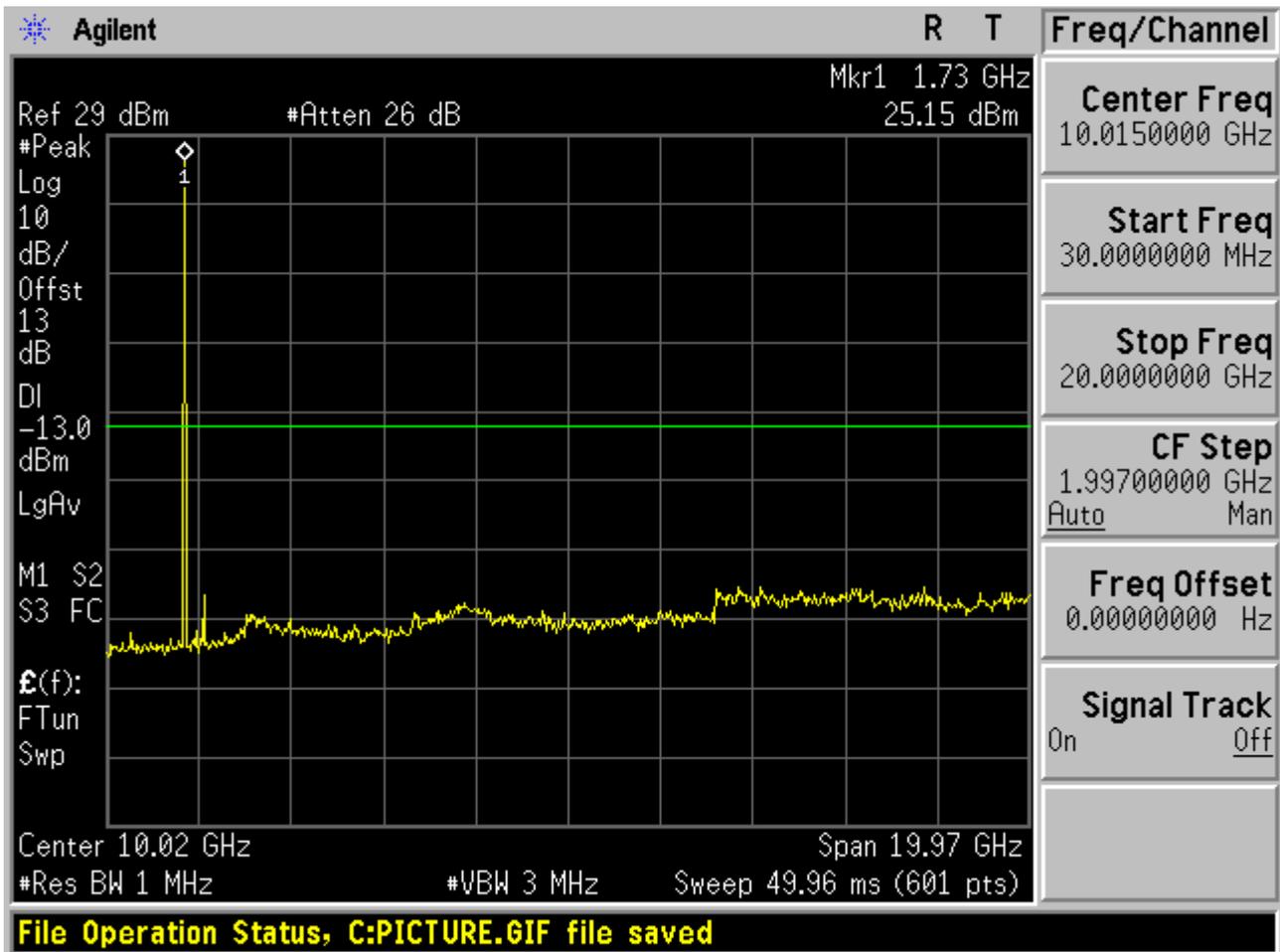


2.1.2.2 Channel = M

2.1.2.2.1 QPSK/1RBs /RB #0



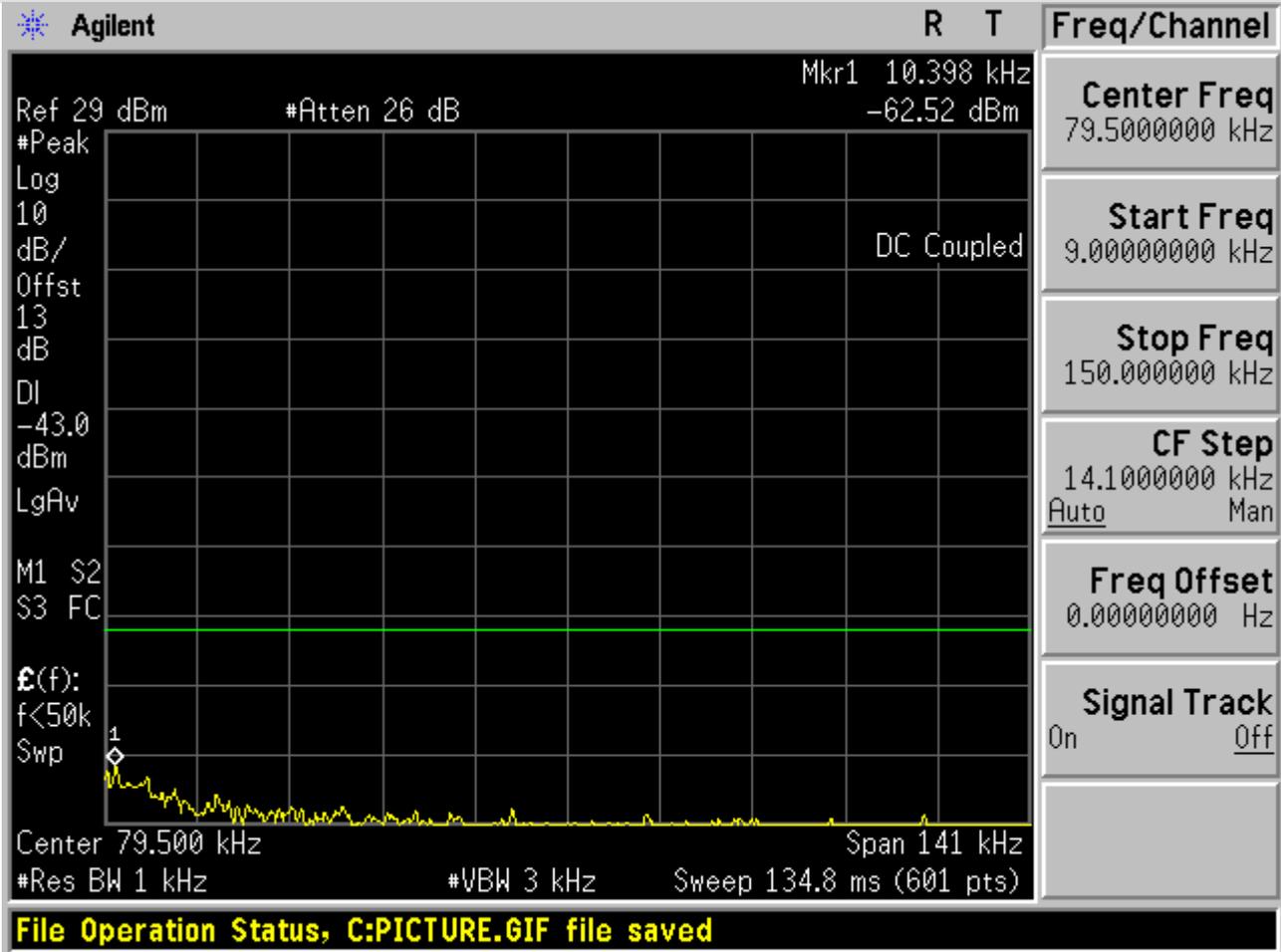


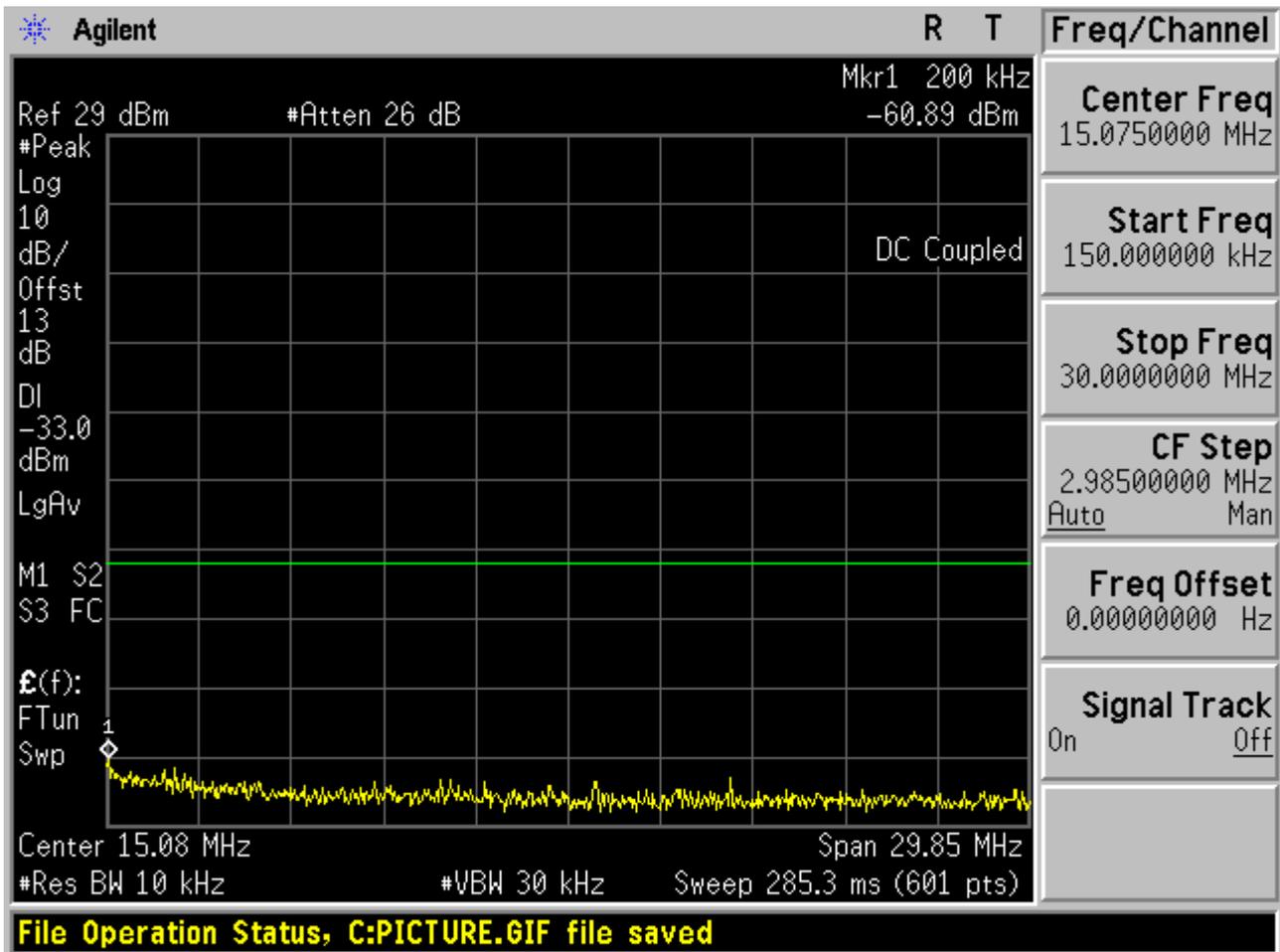


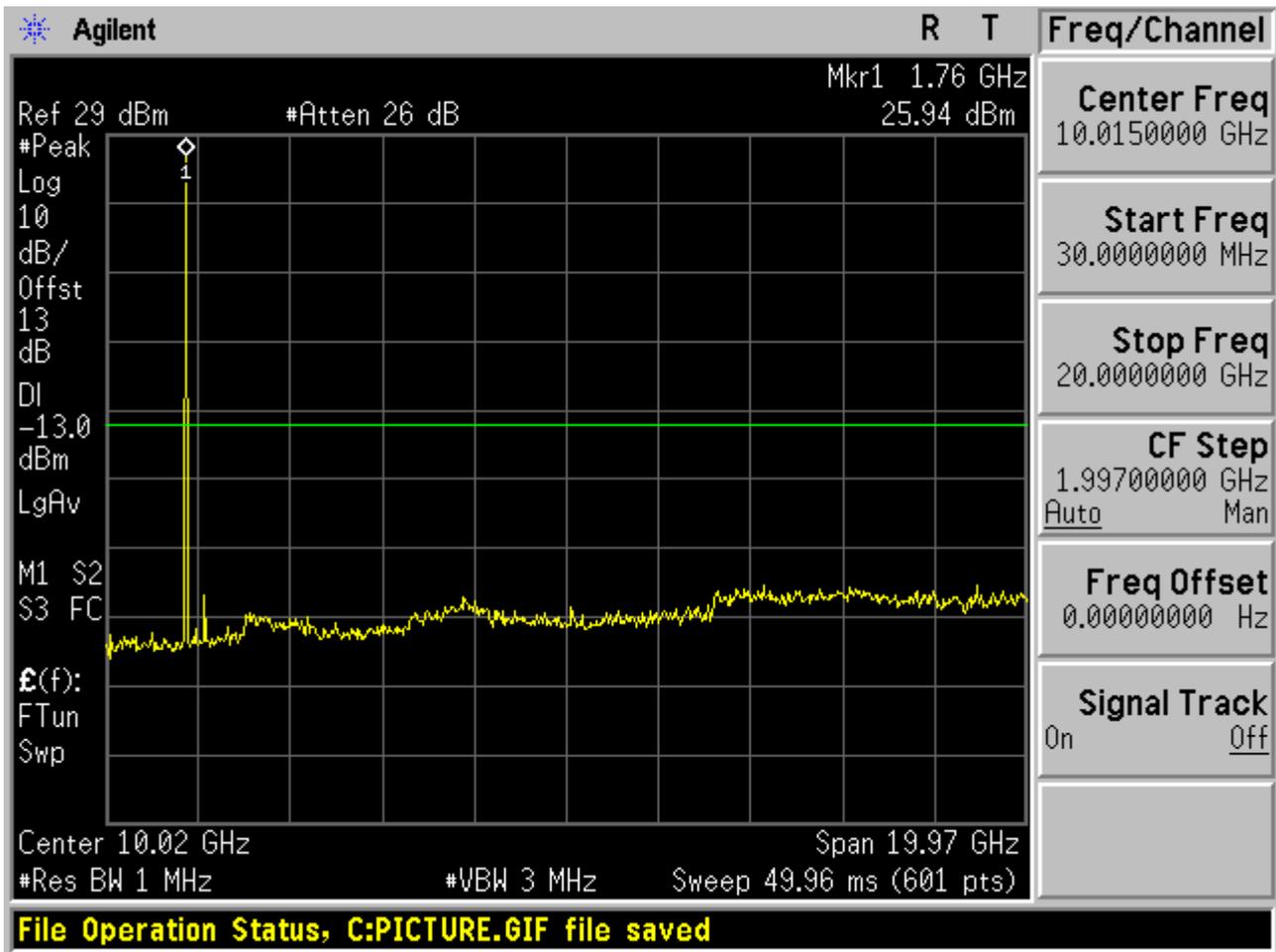


2.1.2.3 Channel = T

2.1.2.3.1 QPSK/1RBs /RB #0





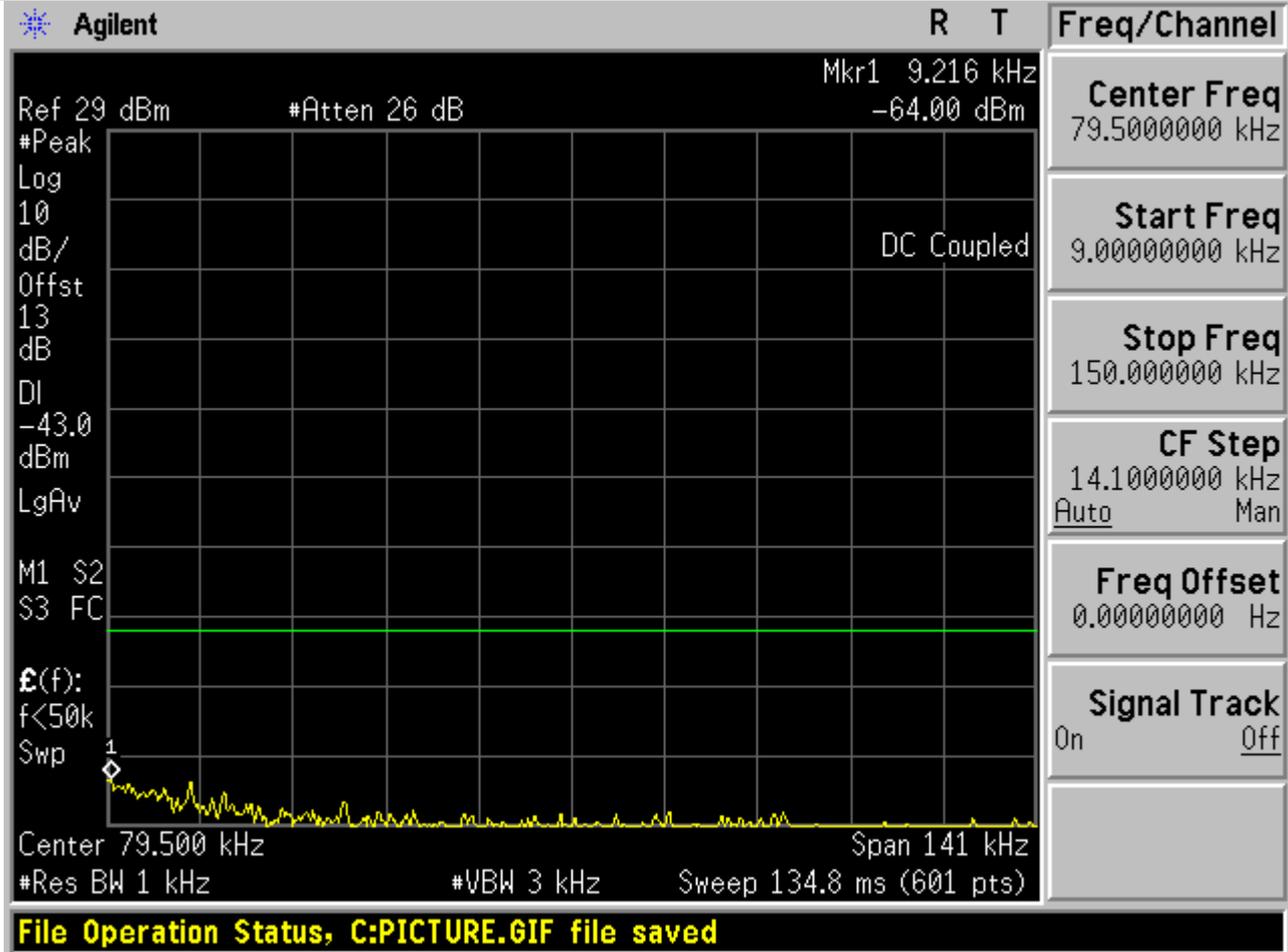


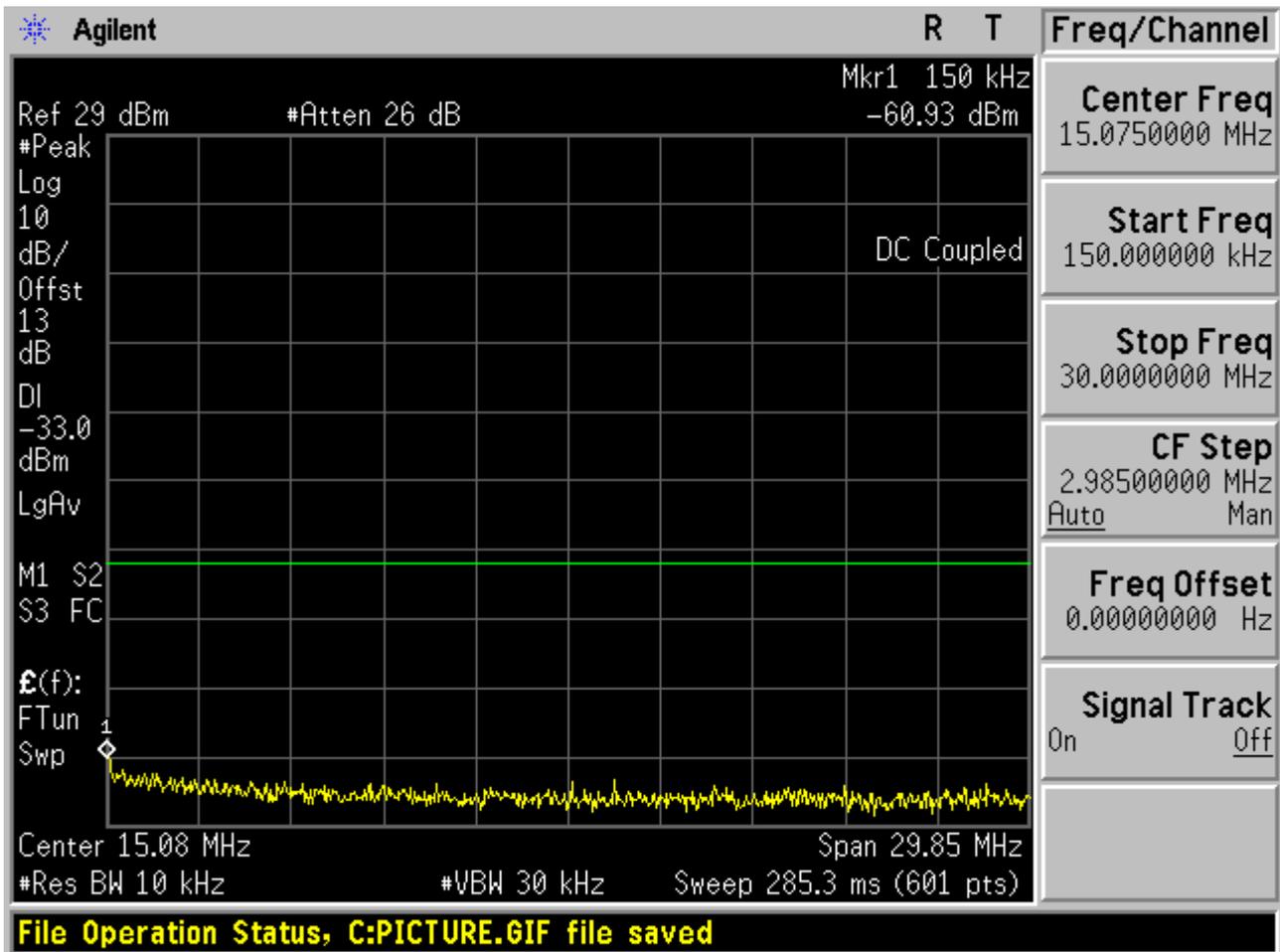


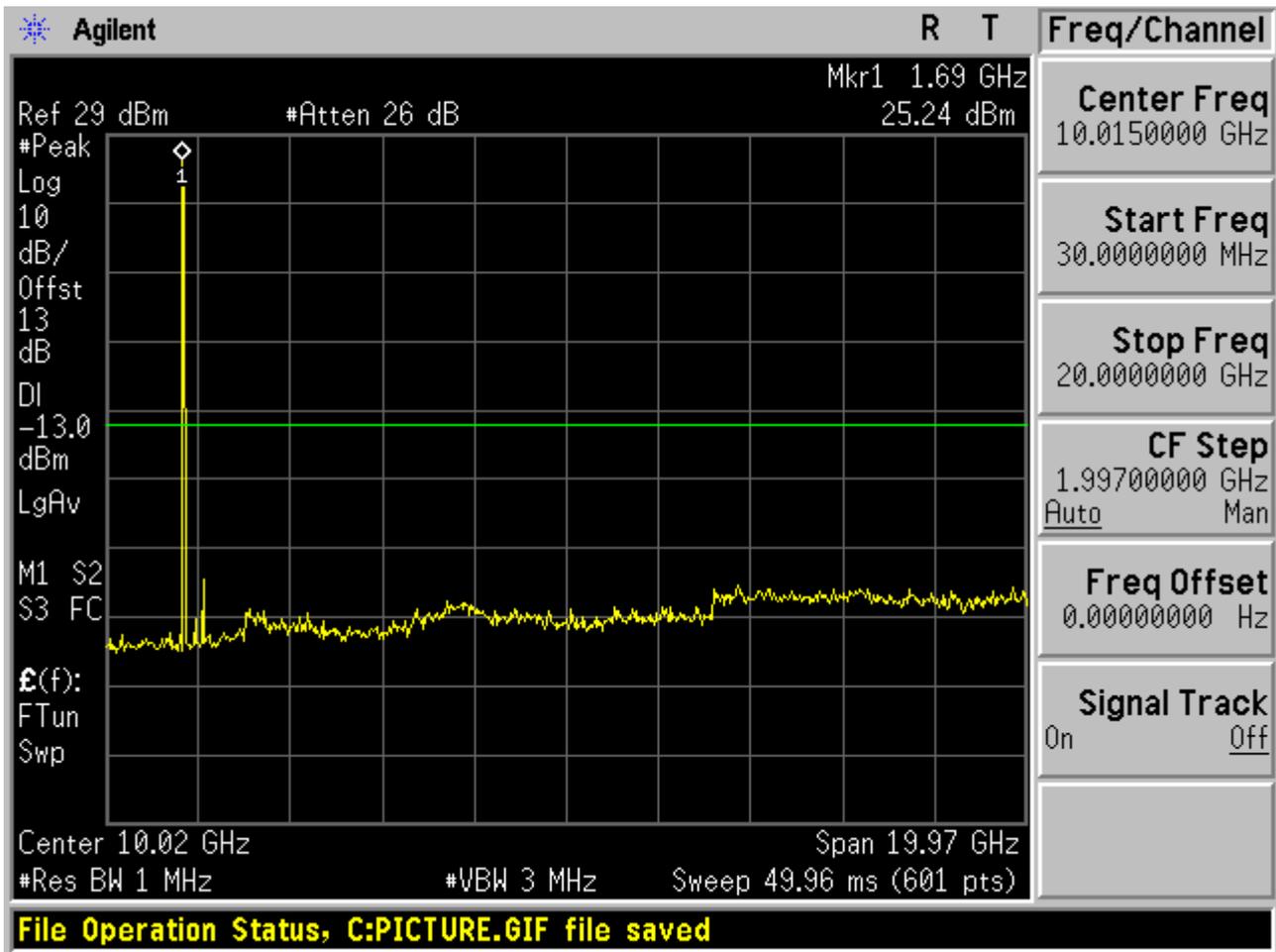
2.1.3 Channel Bandwidth = 5 MHz

2.1.3.1 Channel = B

2.1.3.1.1 QPSK/1RBs /RB #0



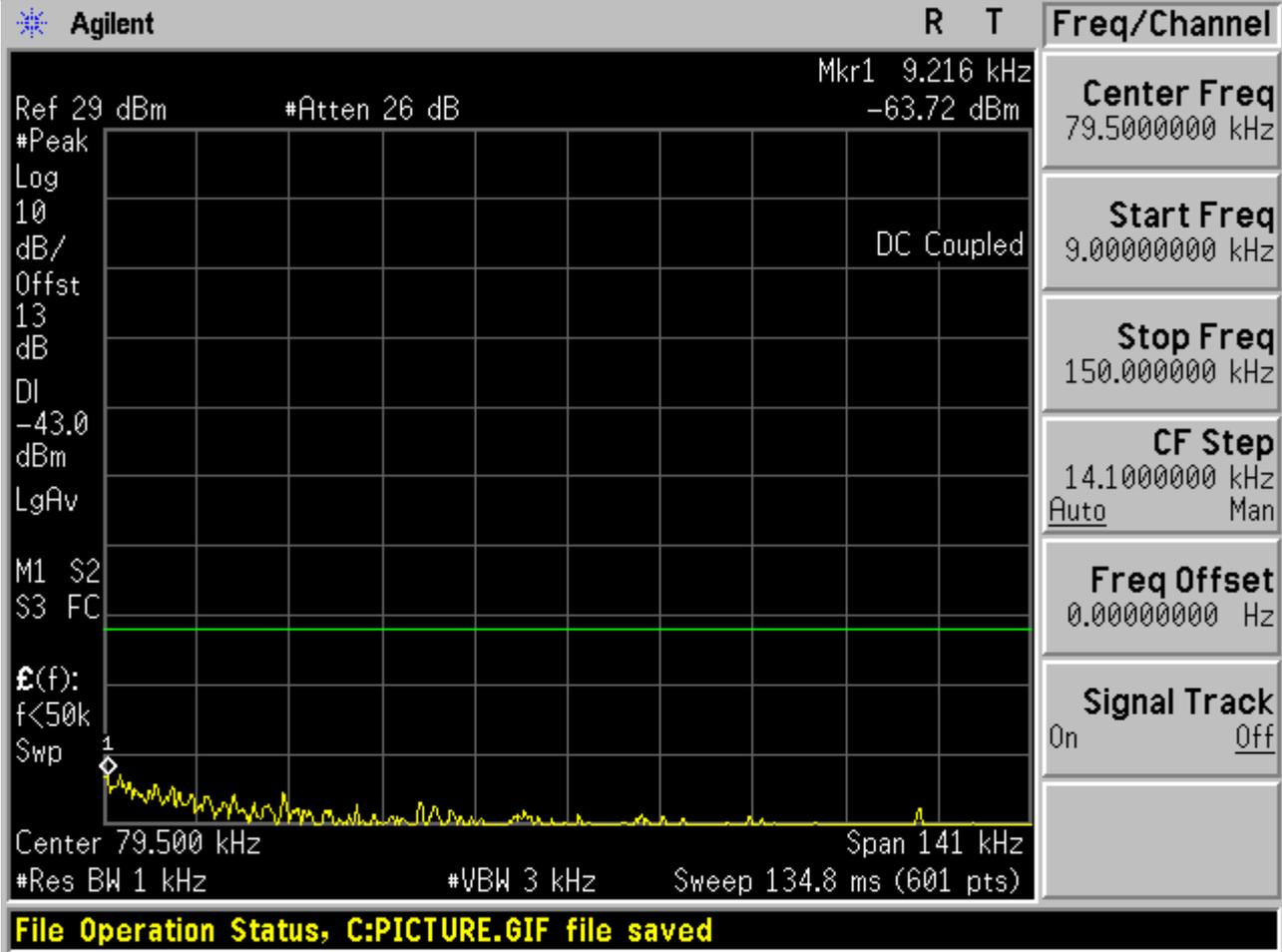


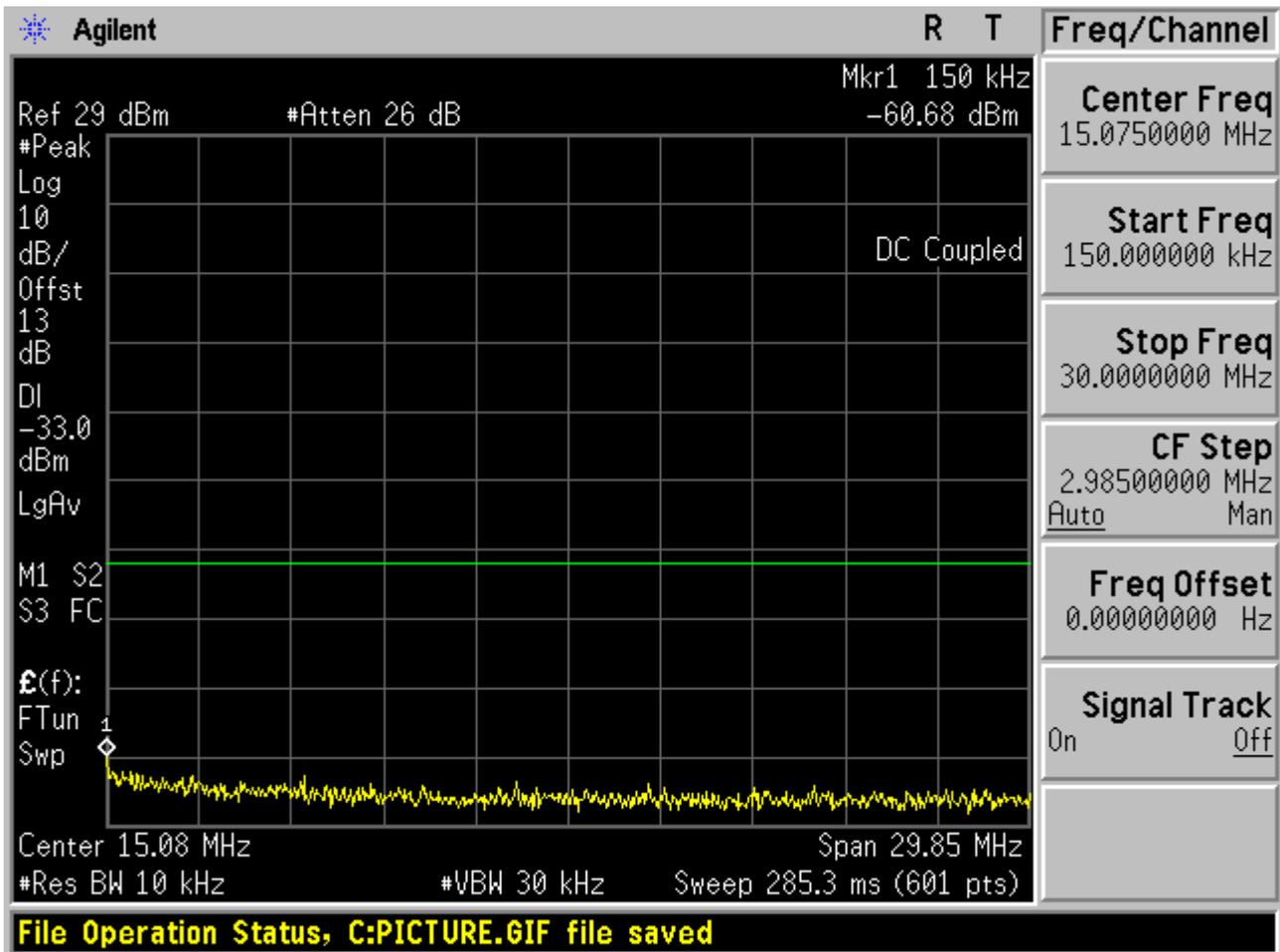


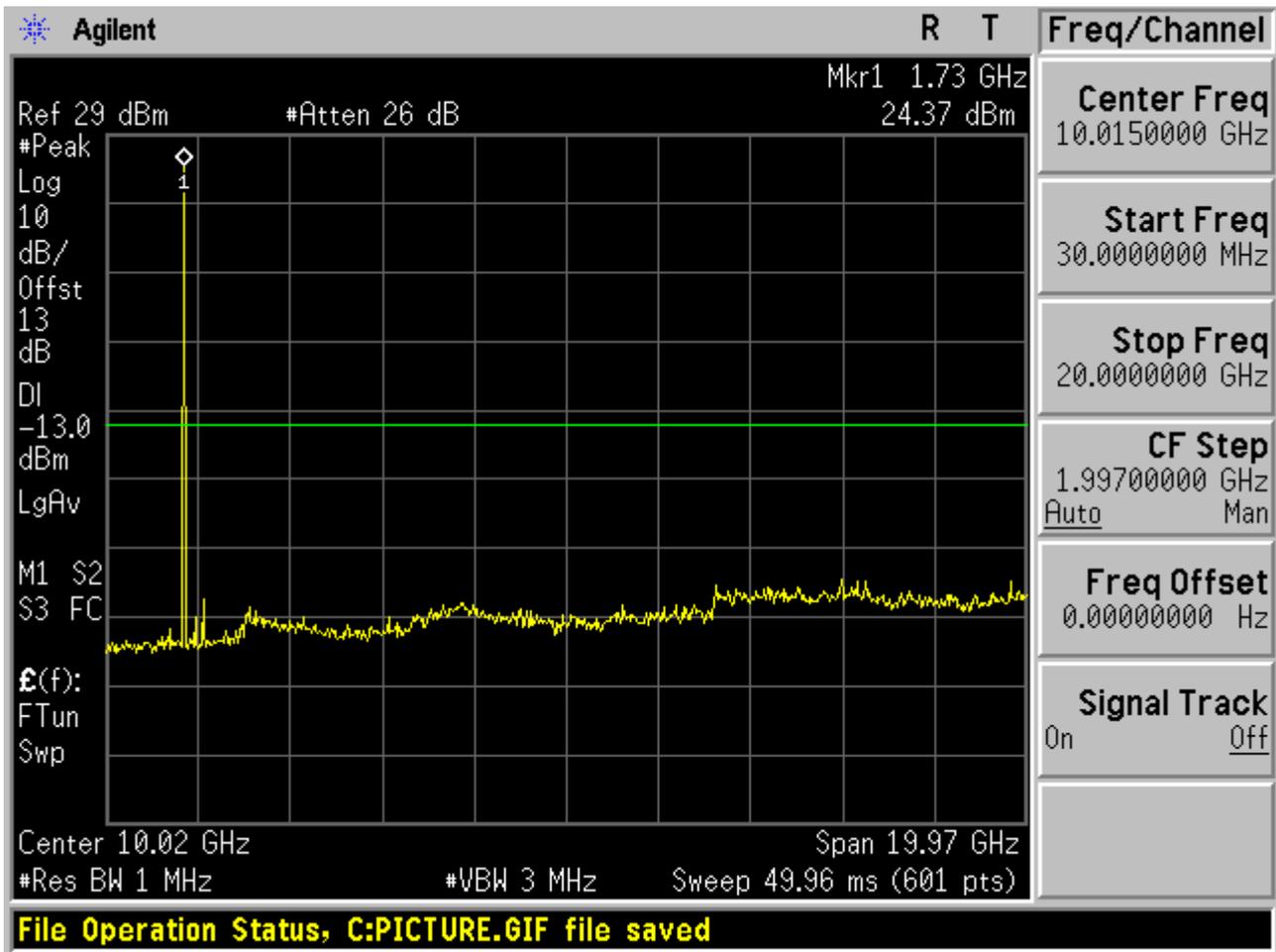


2.1.3.2 Channel = M

2.1.3.2.1 QPSK/1RBs /RB #0



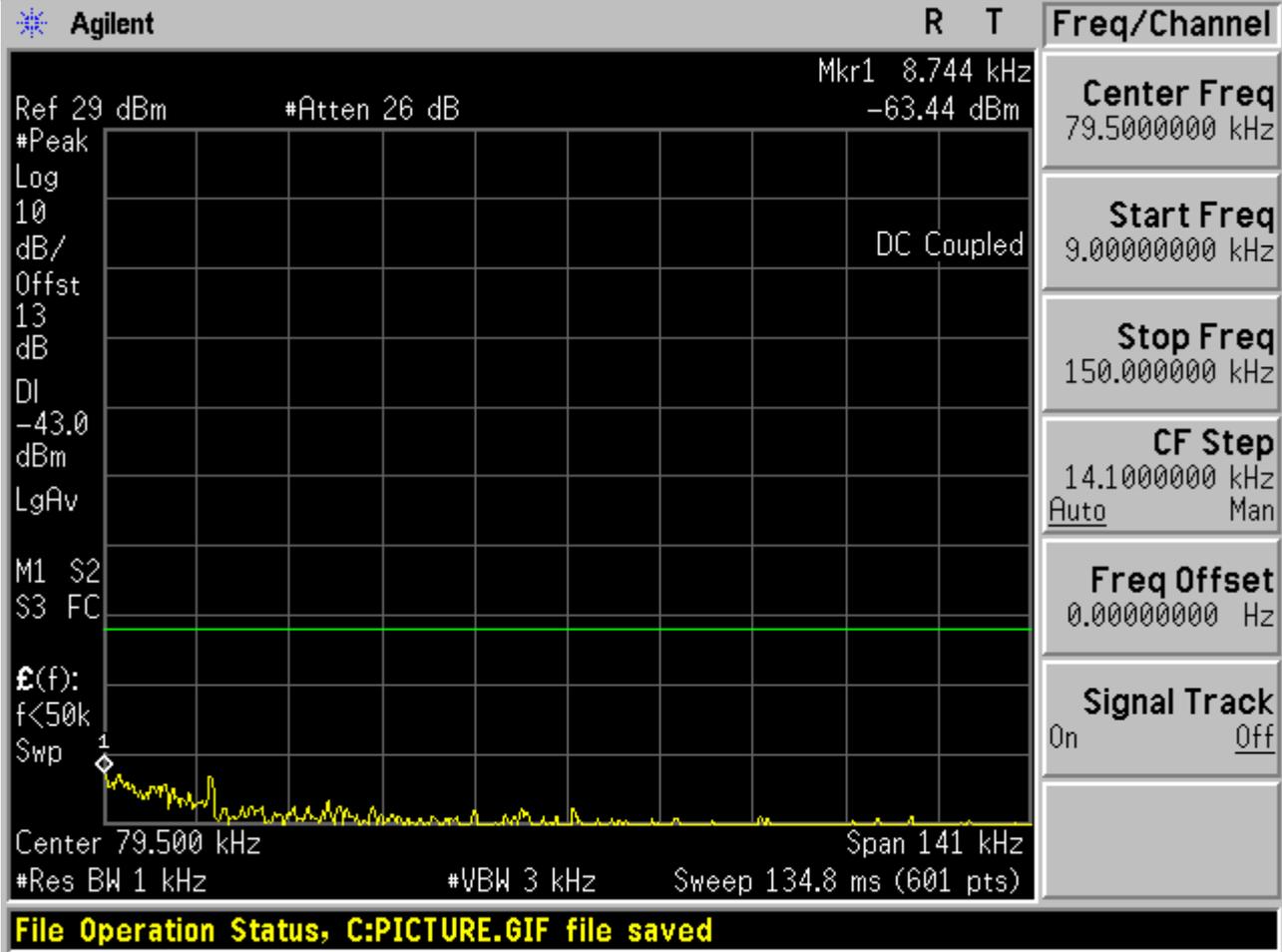


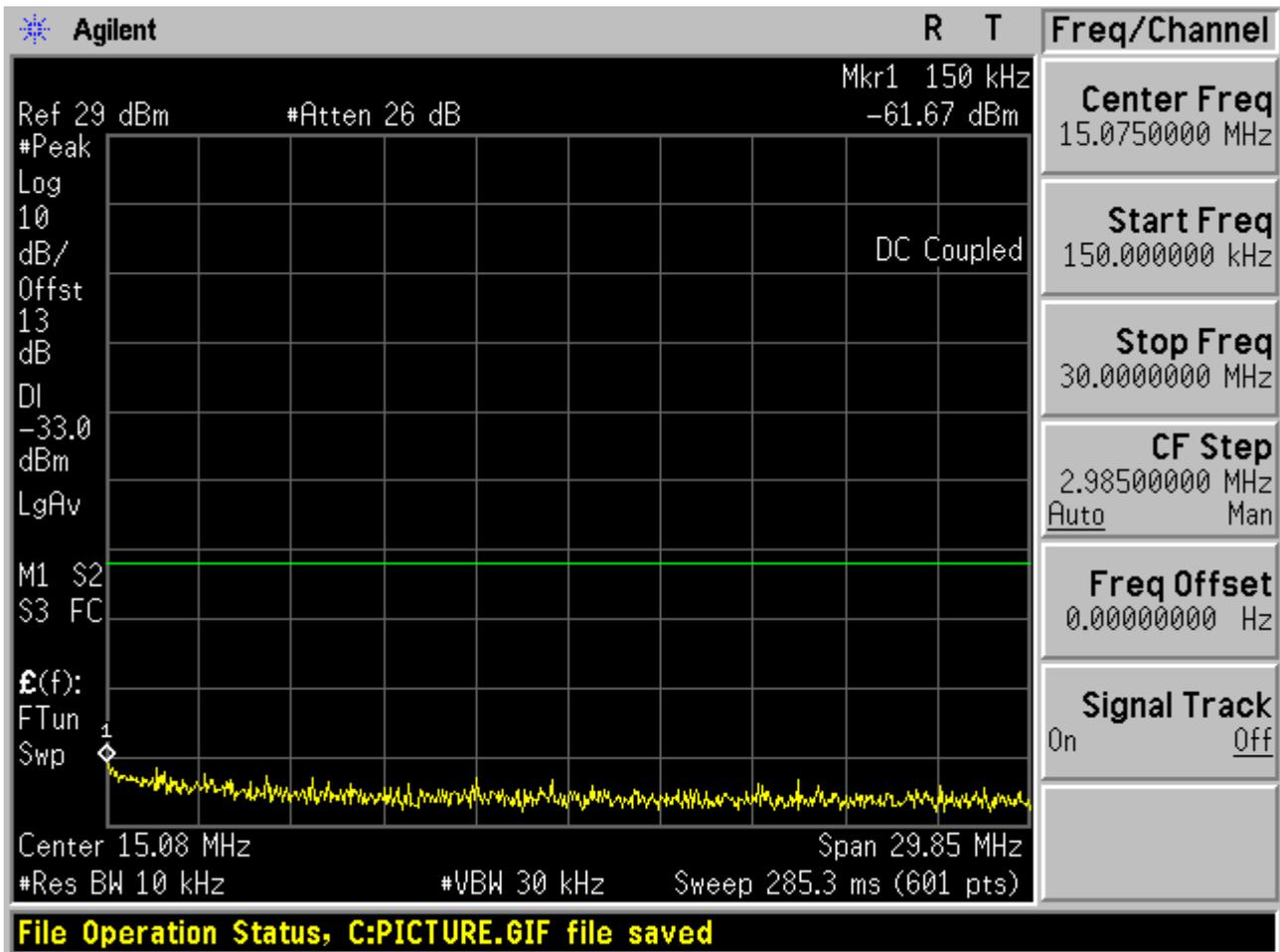


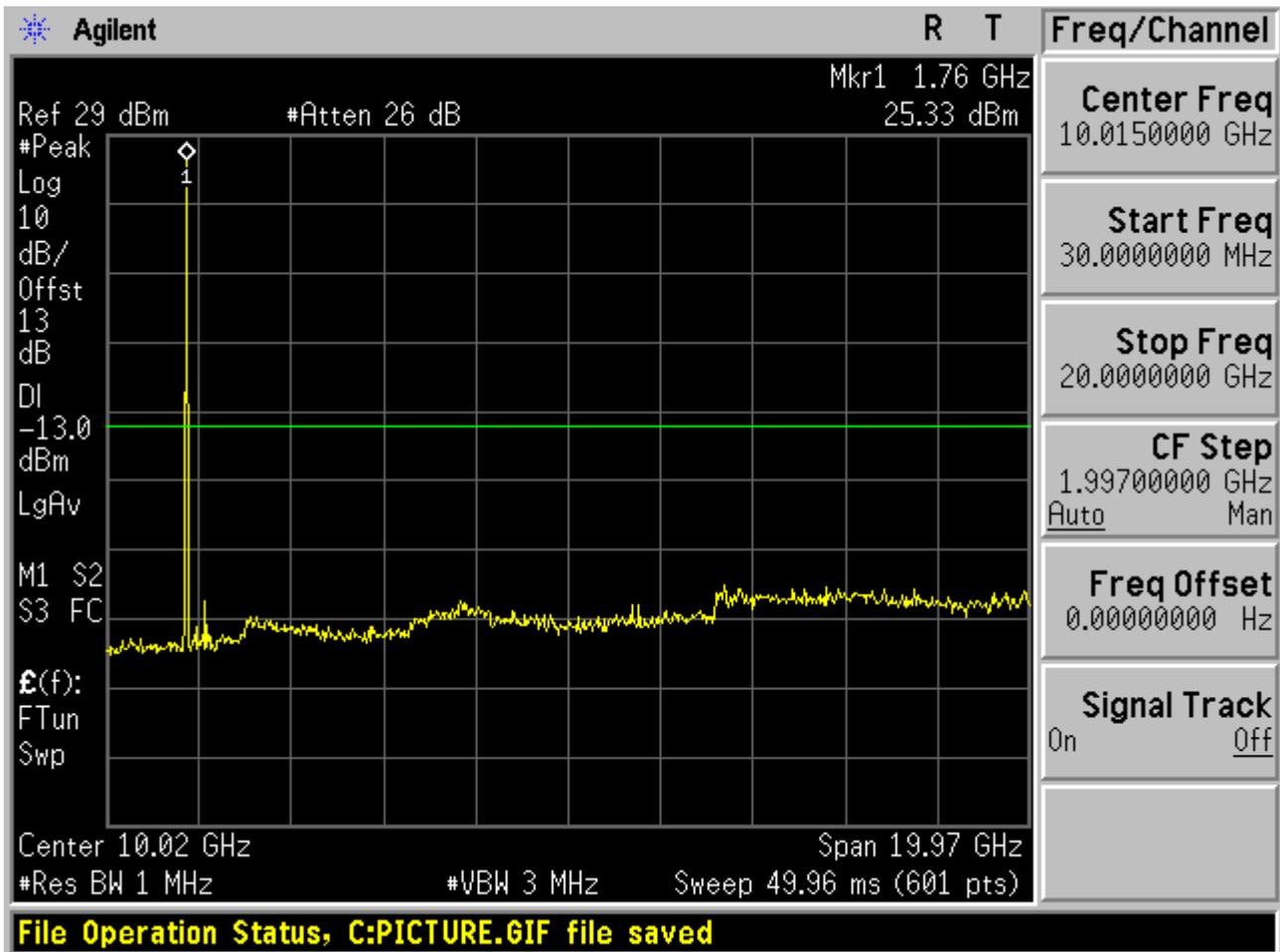


2.1.3.3 Channel = T

2.1.3.3.1 QPSK/1RBs /RB #0





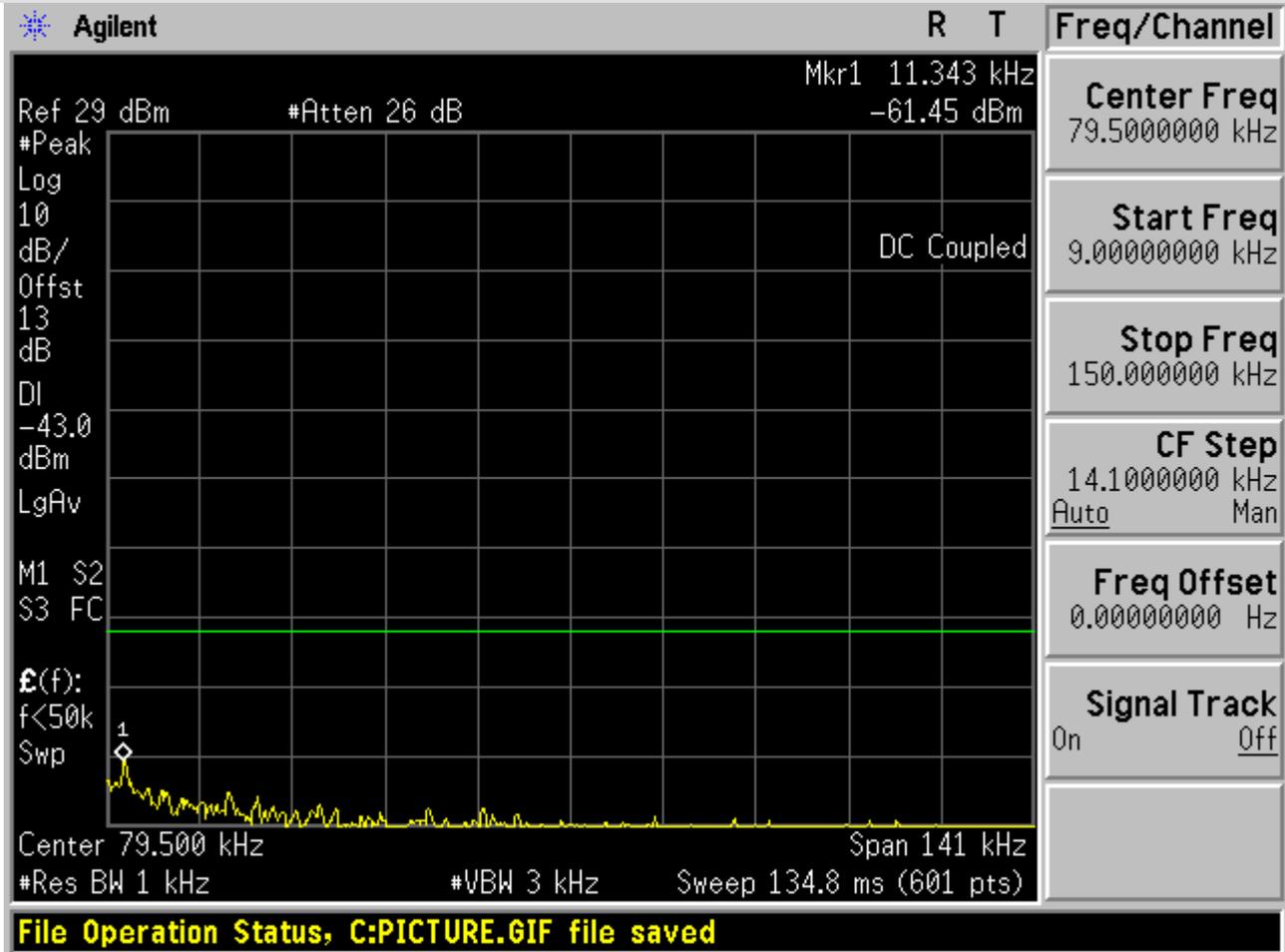


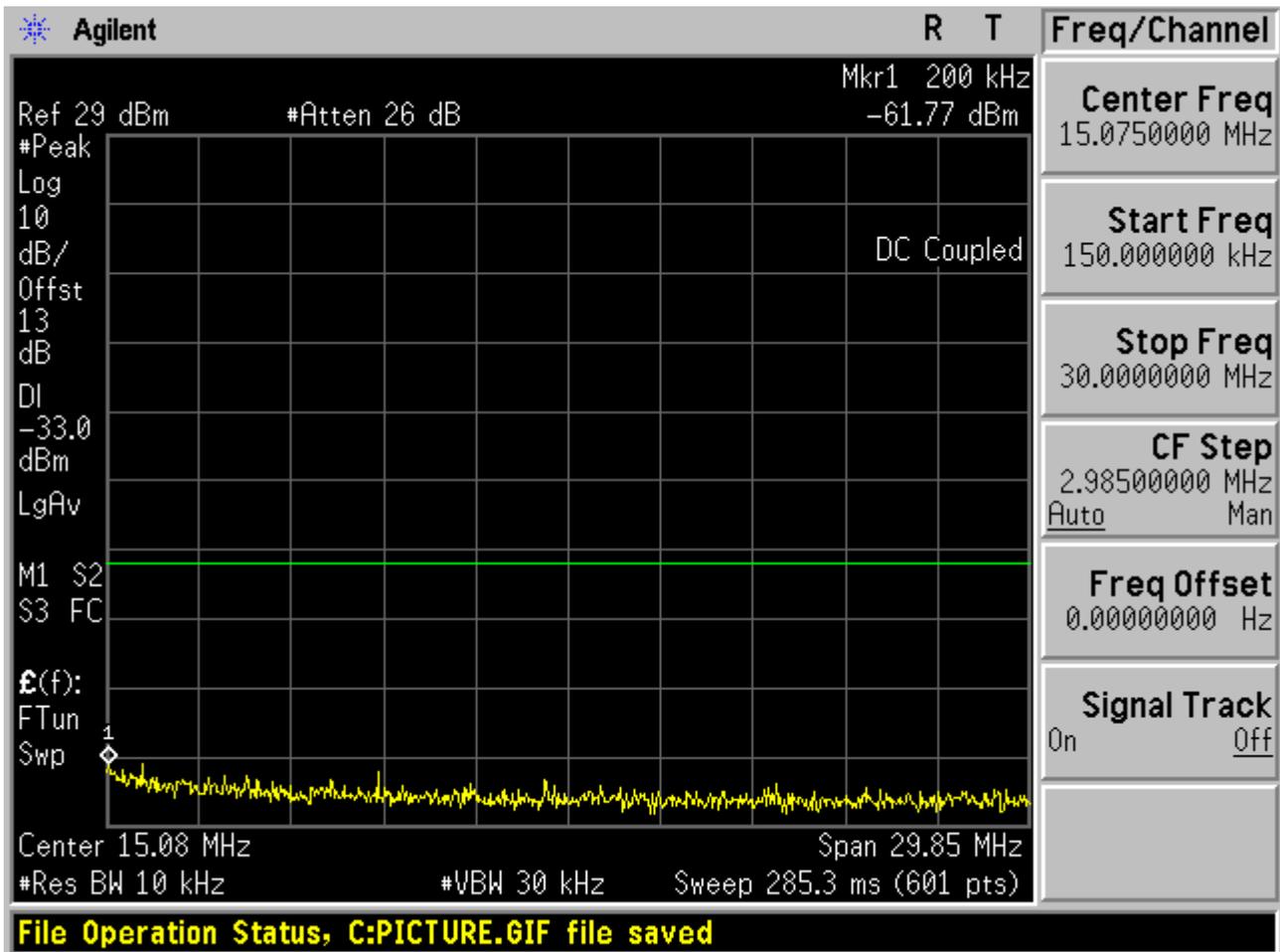


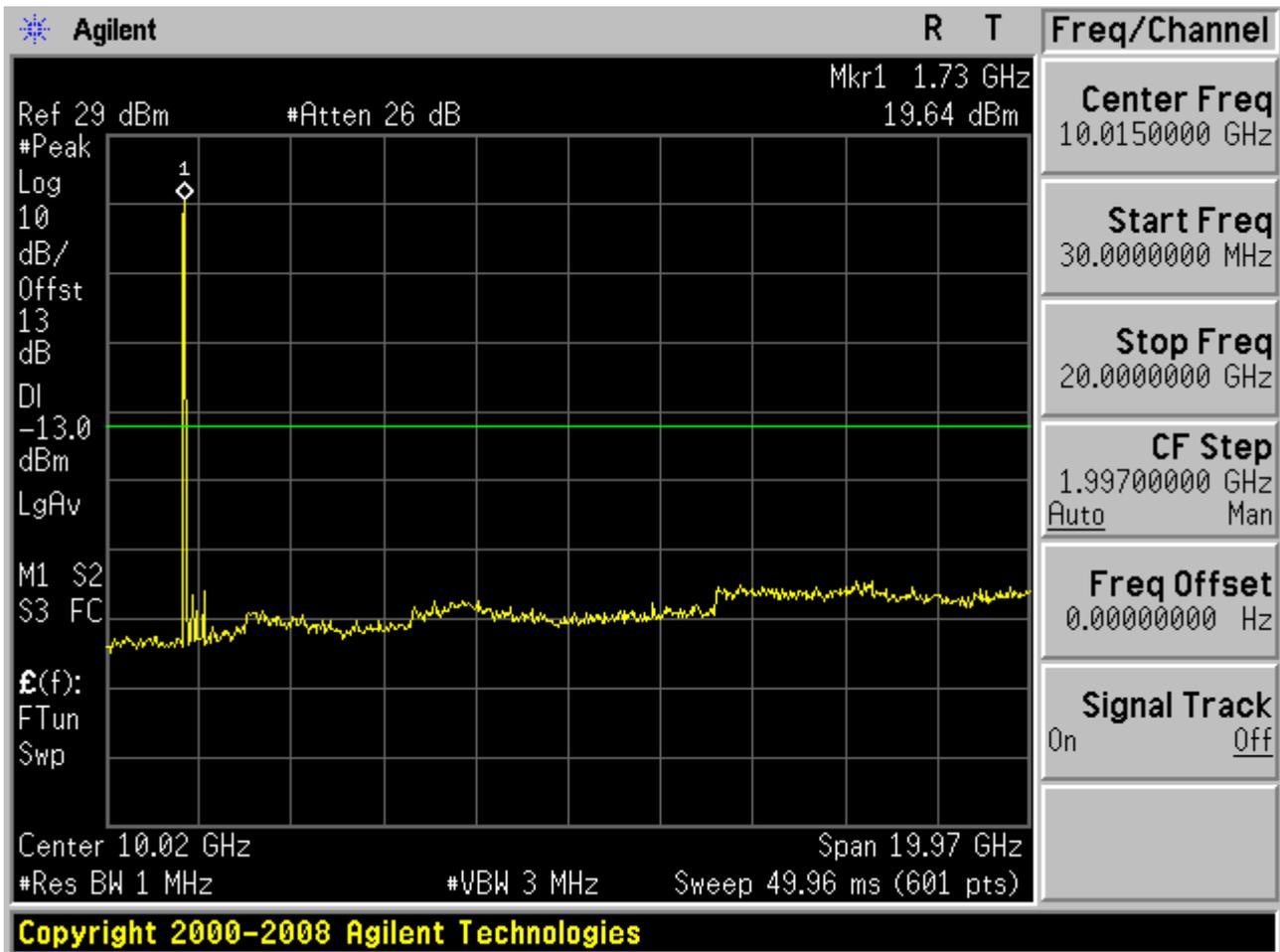
2.1.4 Channel Bandwidth = 10 MHz

2.1.4.1 Channel = B

2.1.4.1.1 QPSK/1RBs /RB #0



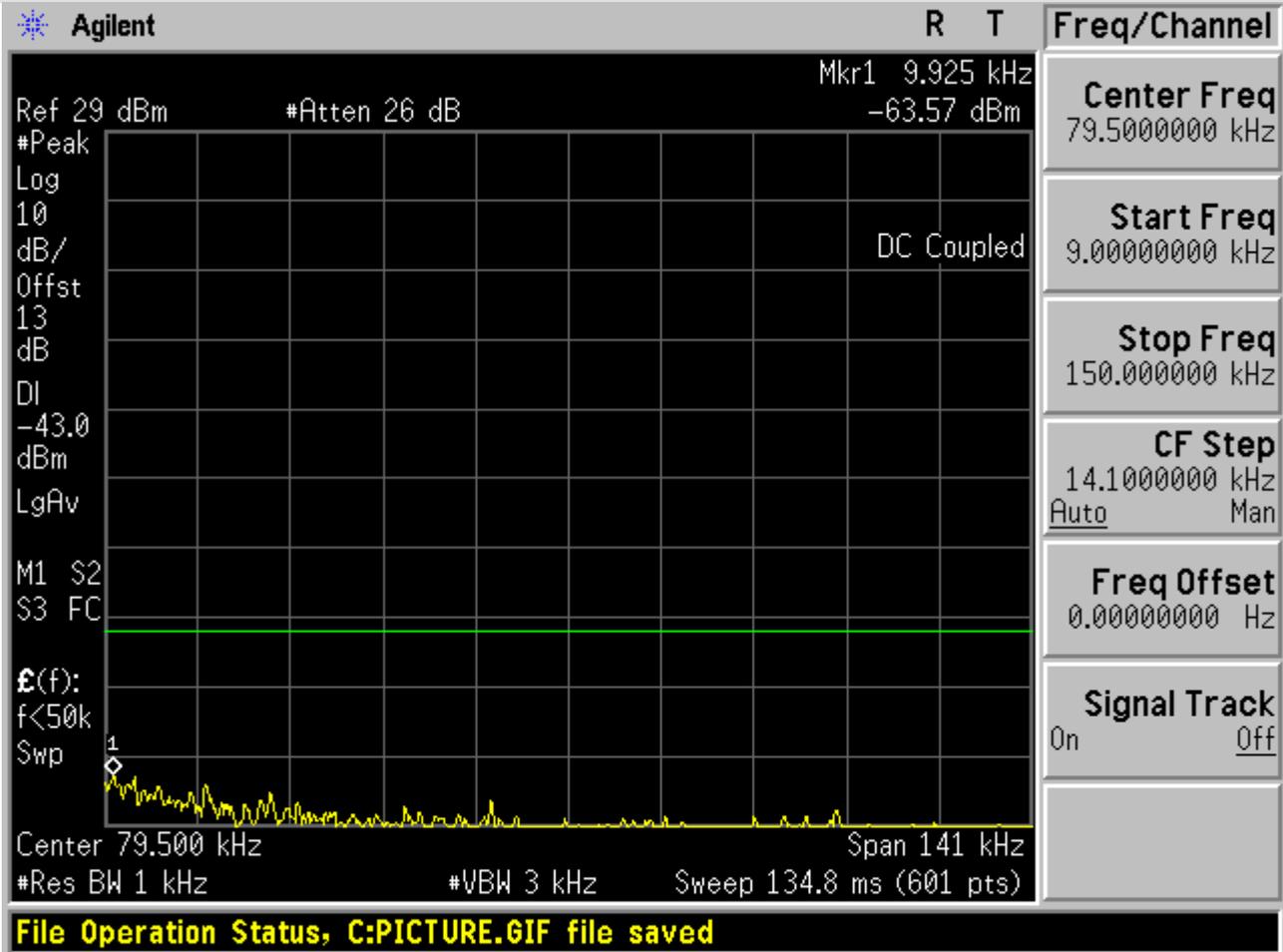


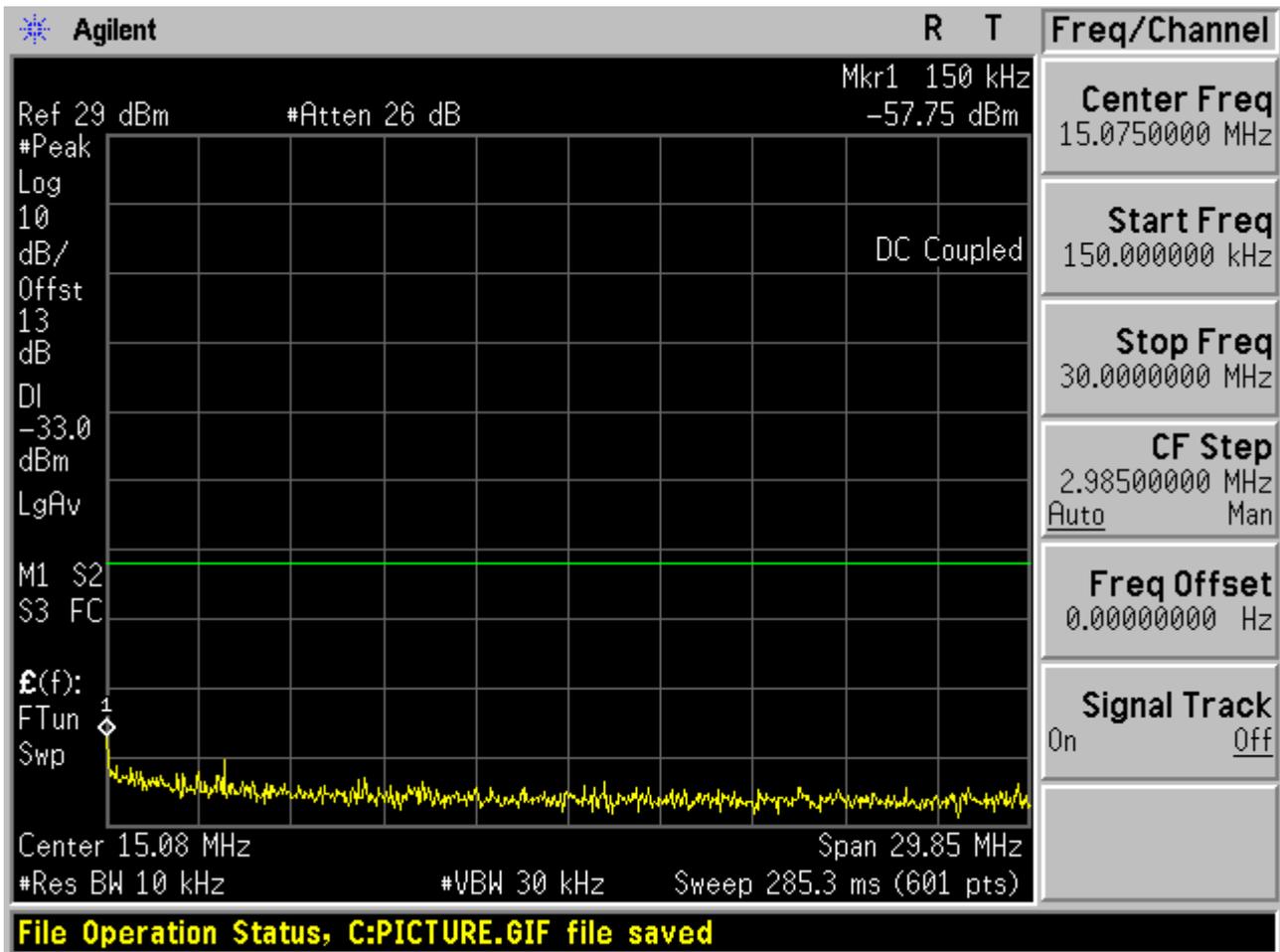


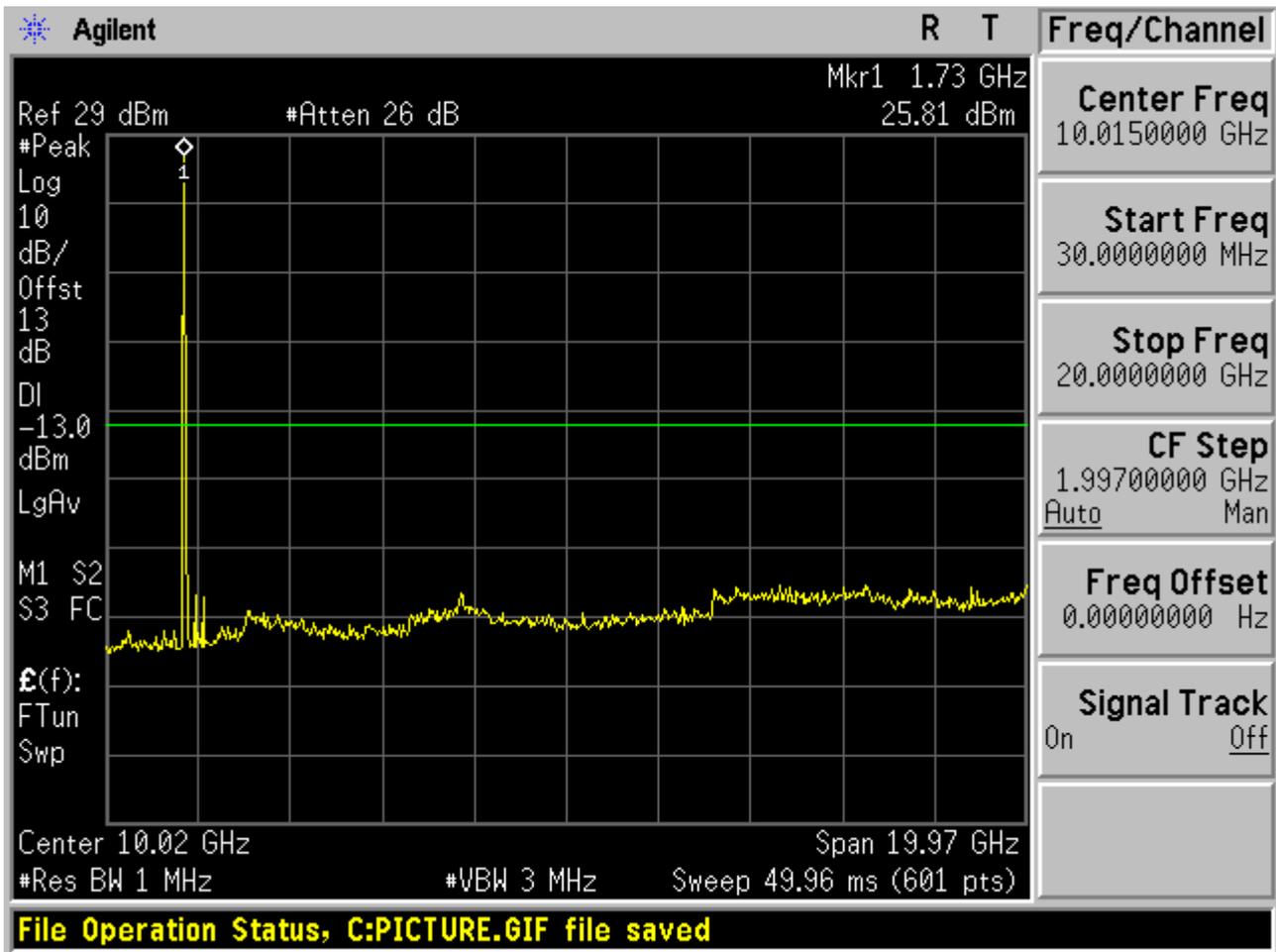


2.1.4.2 Channel = M

2.1.4.2.1 QPSK/1RBs /RB #0



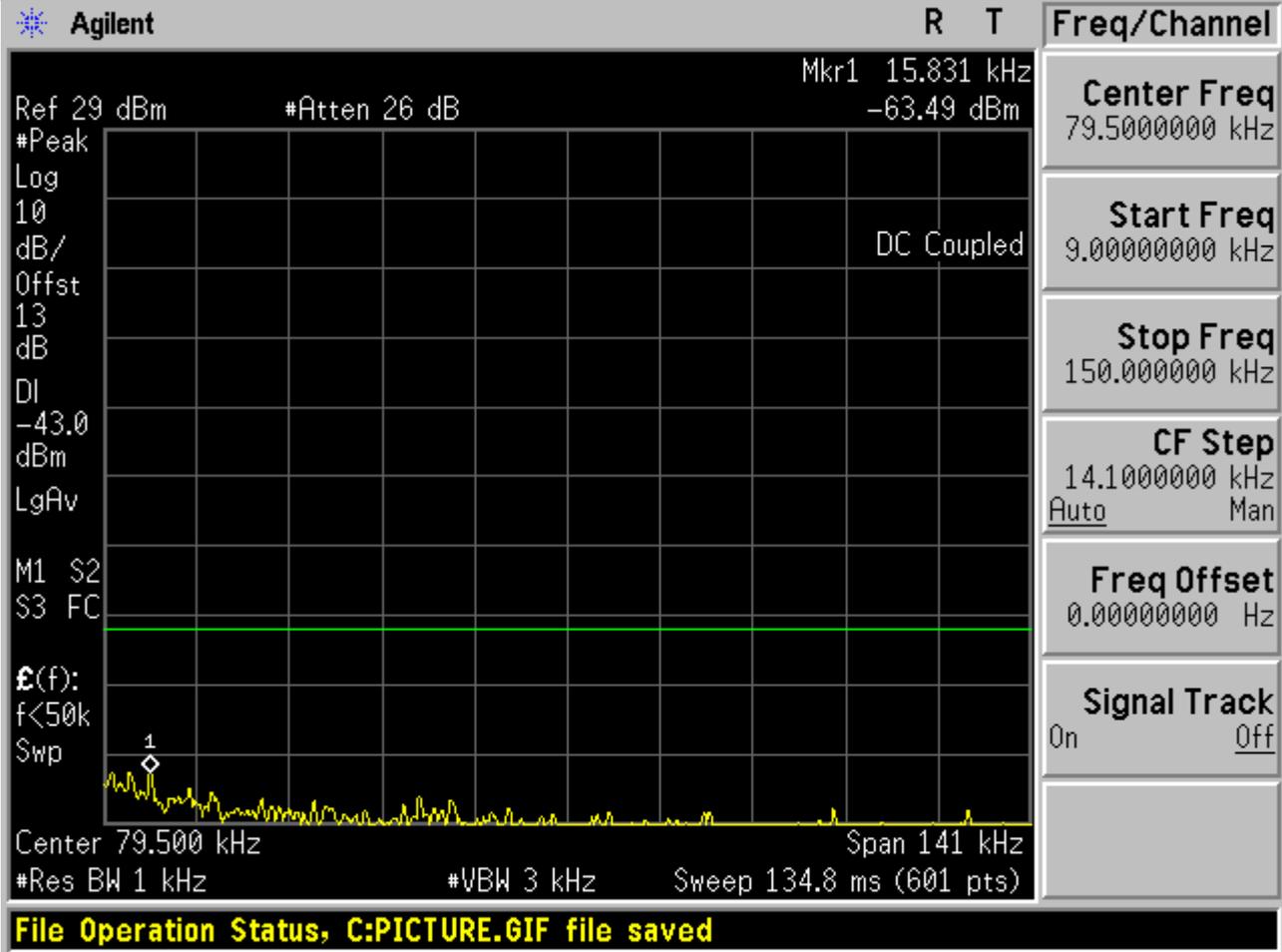


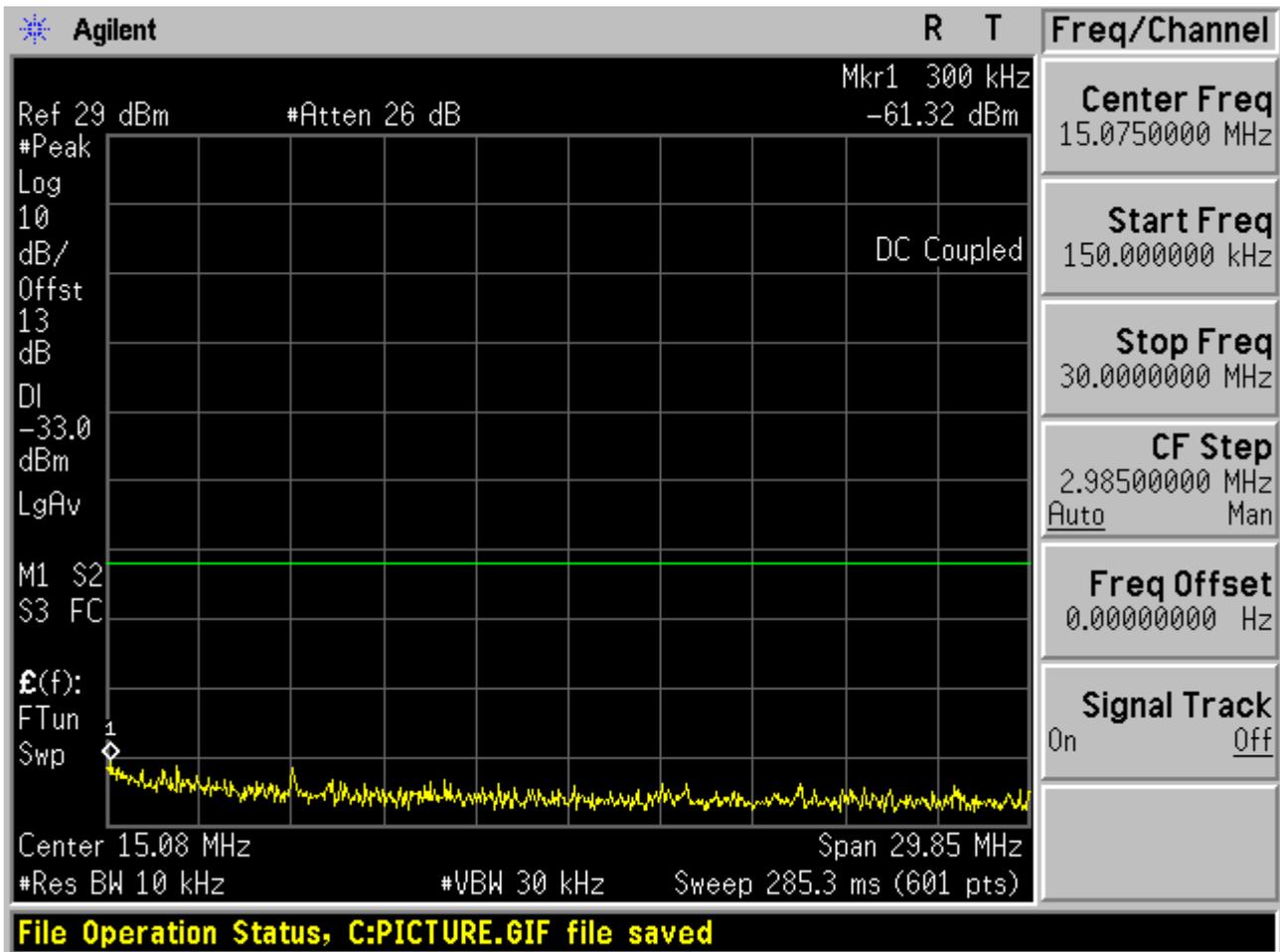


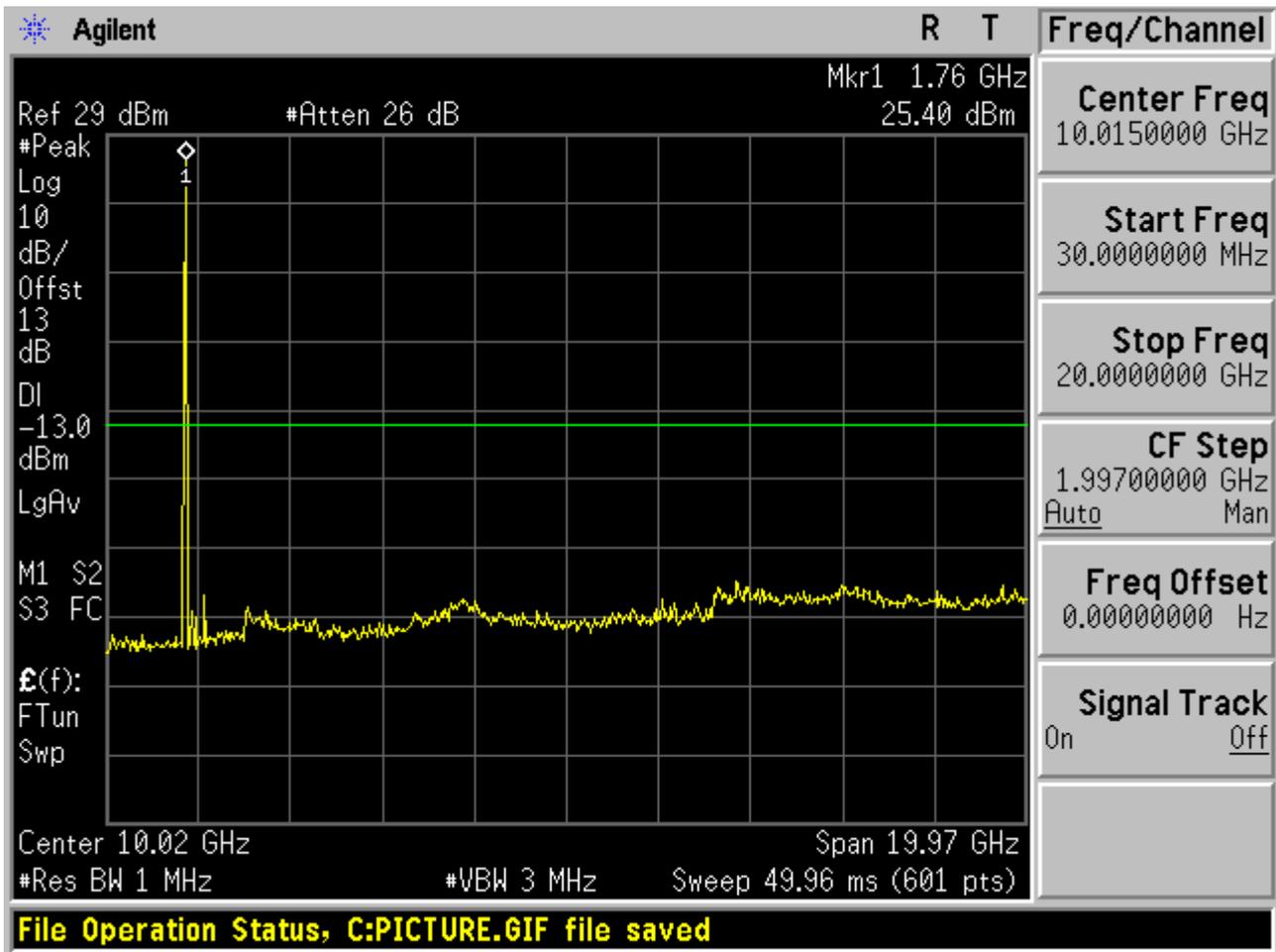


2.1.4.3 Channel = T

2.1.4.3.1 QPSK/1RBs /RB #0





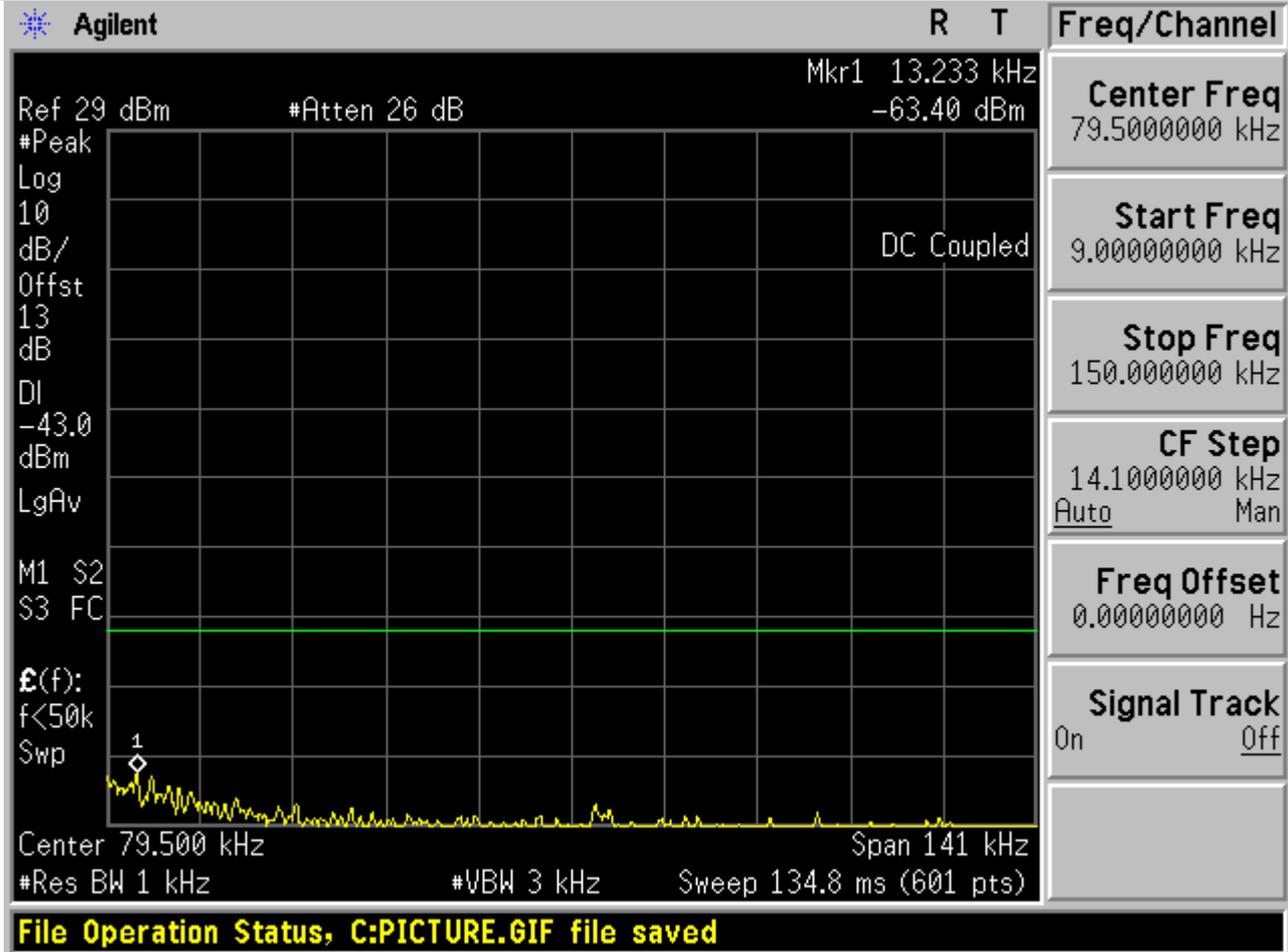


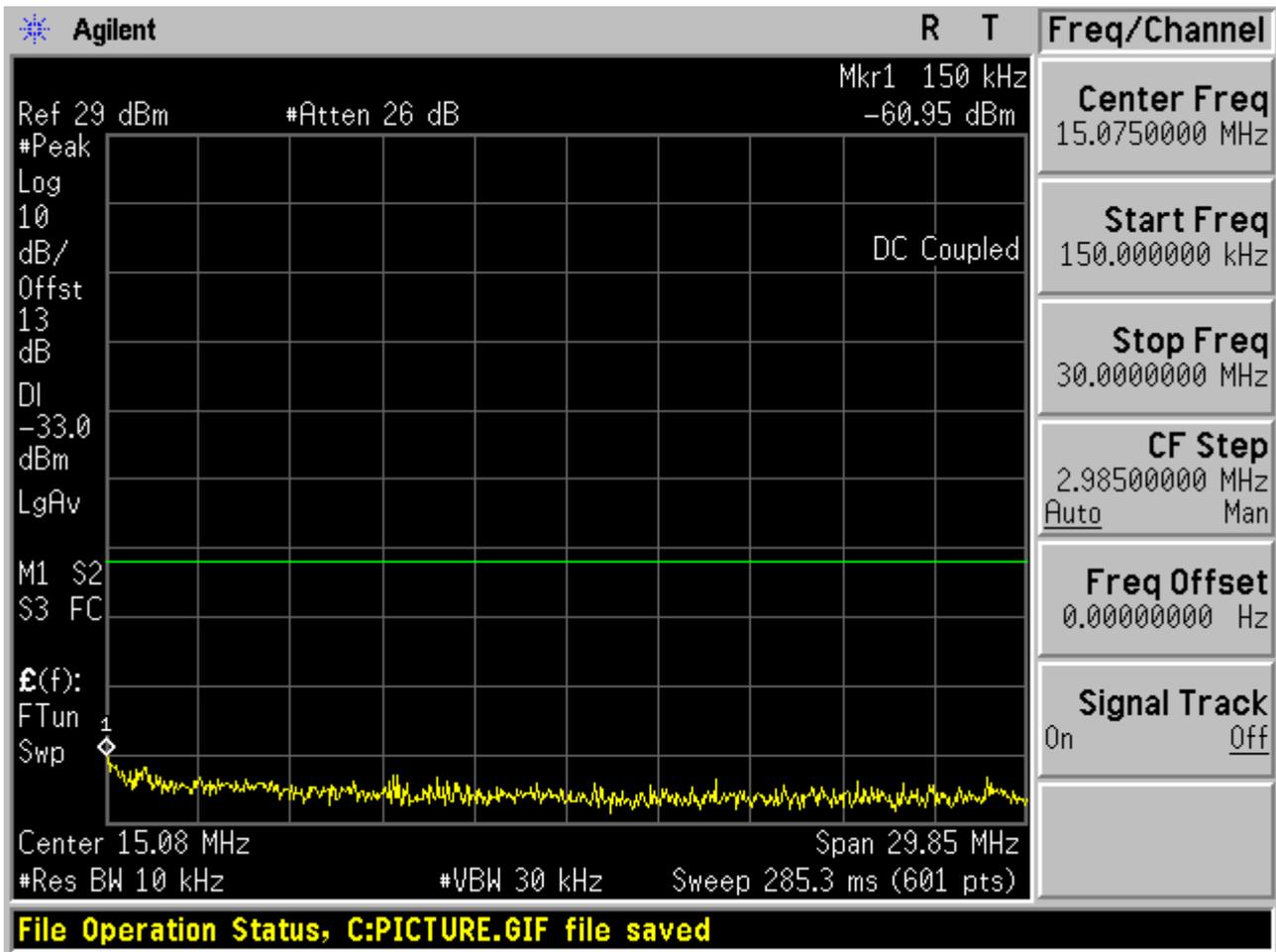


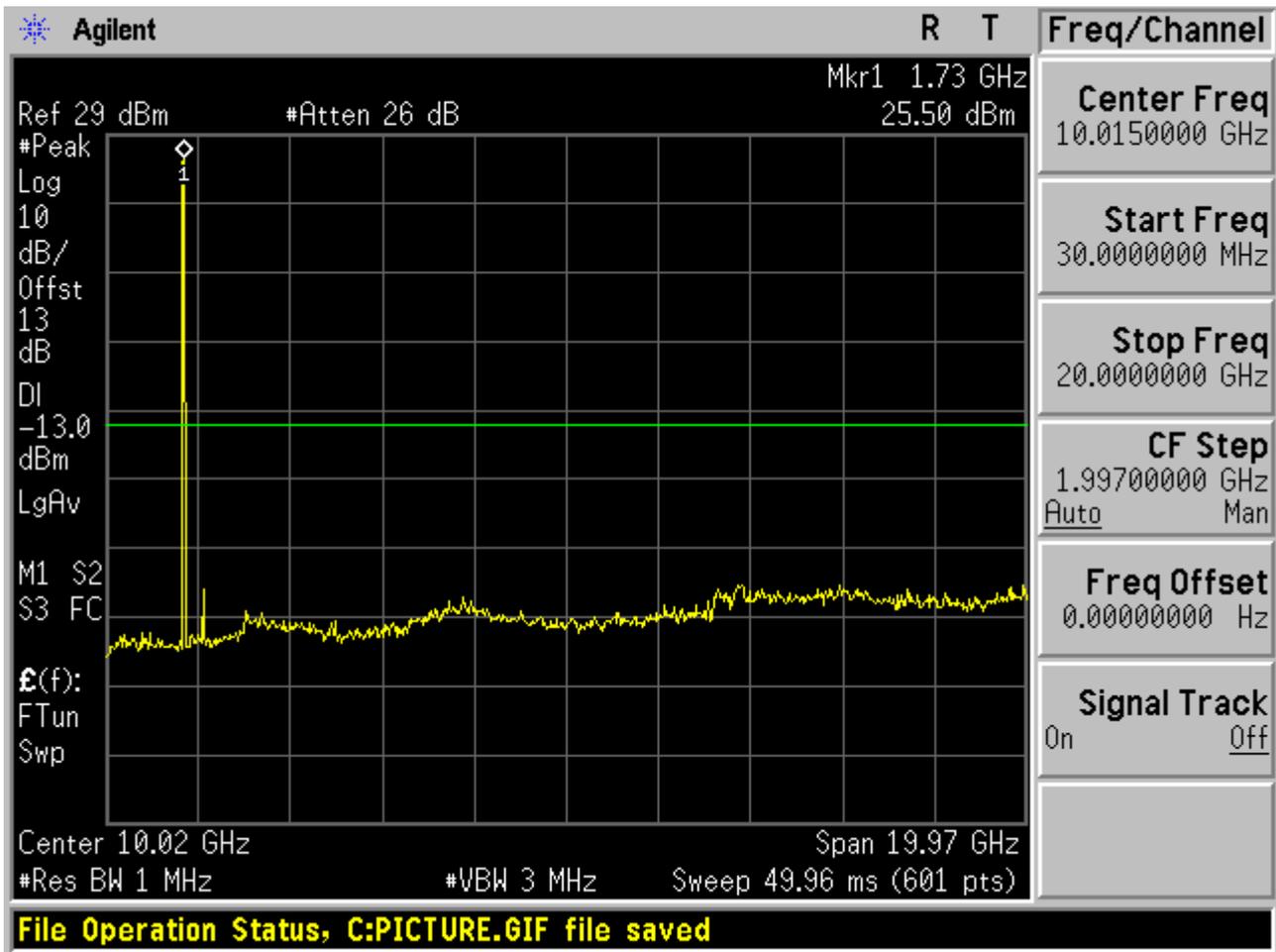
2.1.5 Channel Bandwidth = 15 MHz

2.1.5.1 Channel = B

2.1.5.1.1 QPSK/1RBs /RB #0



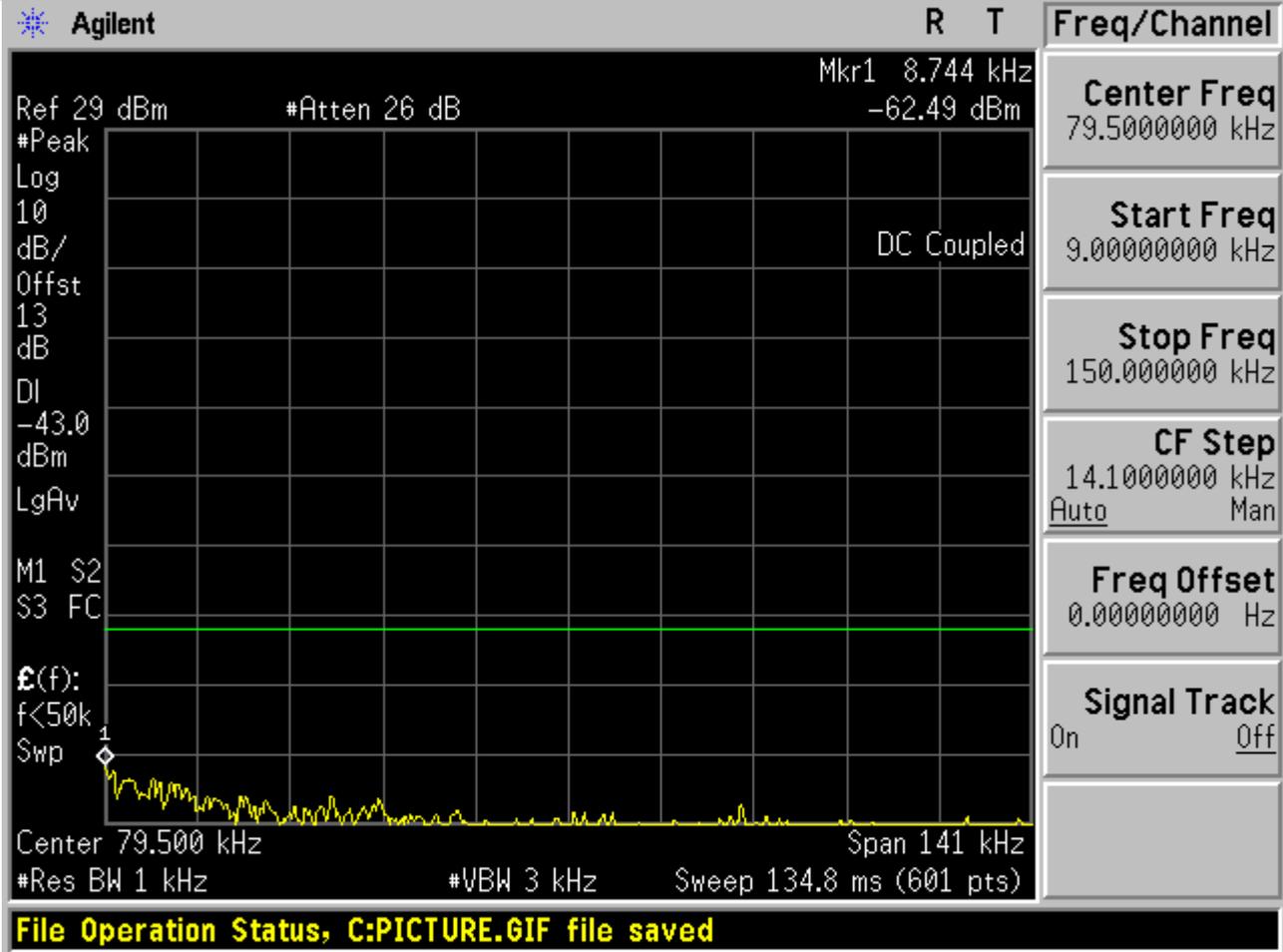


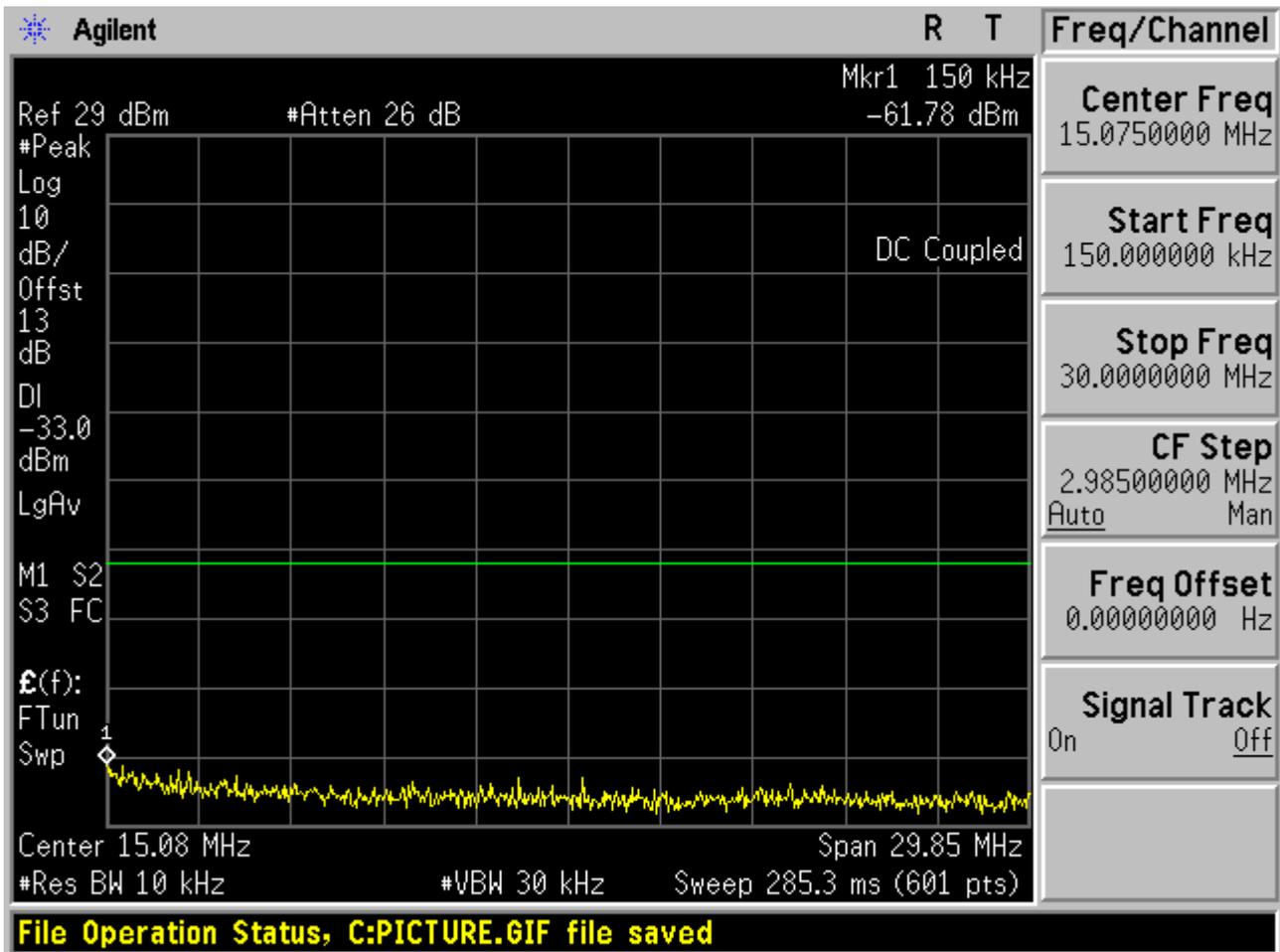


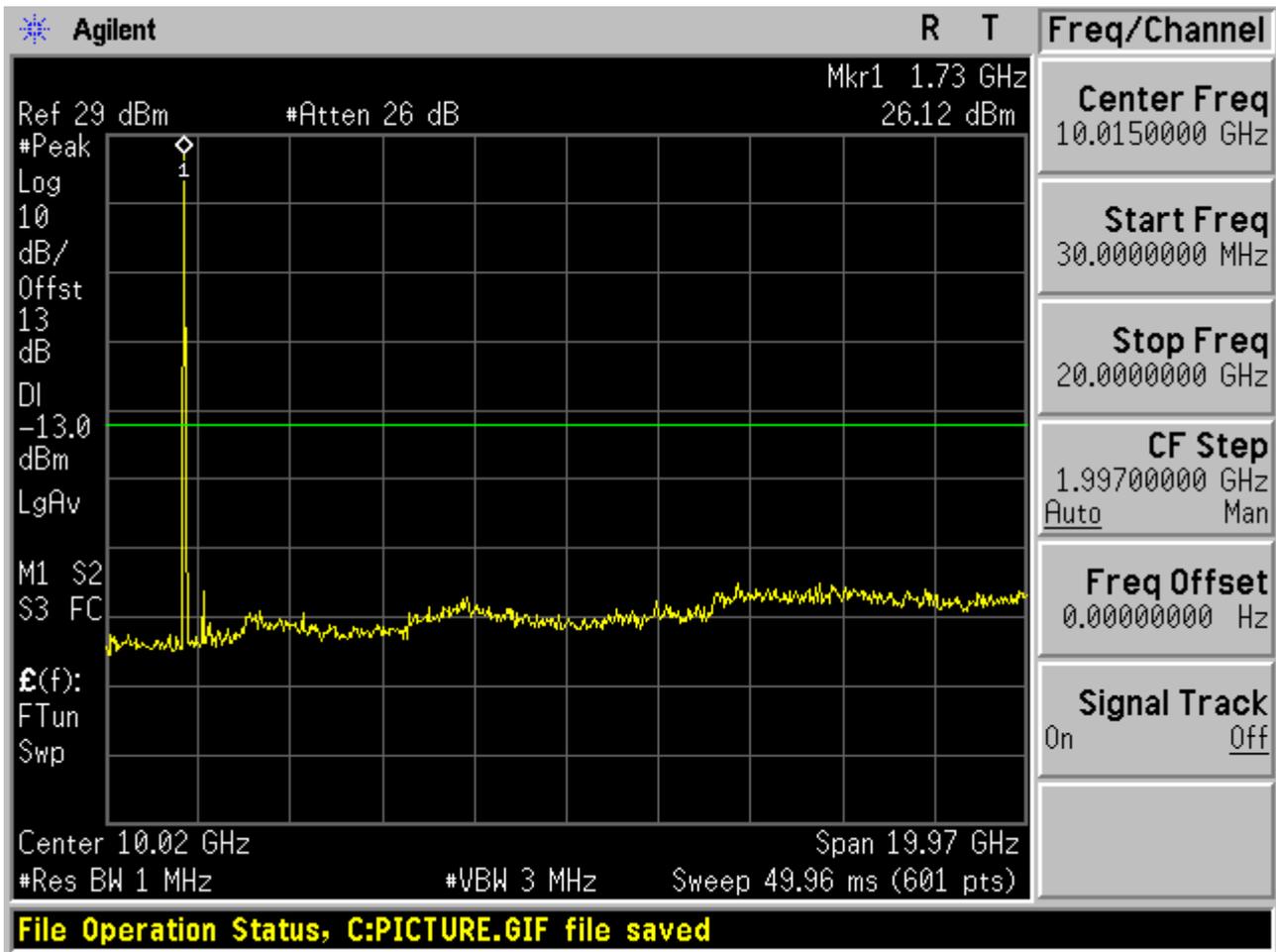


2.1.5.2 Channel = M

2.1.5.2.1 QPSK/1RBs /RB #0



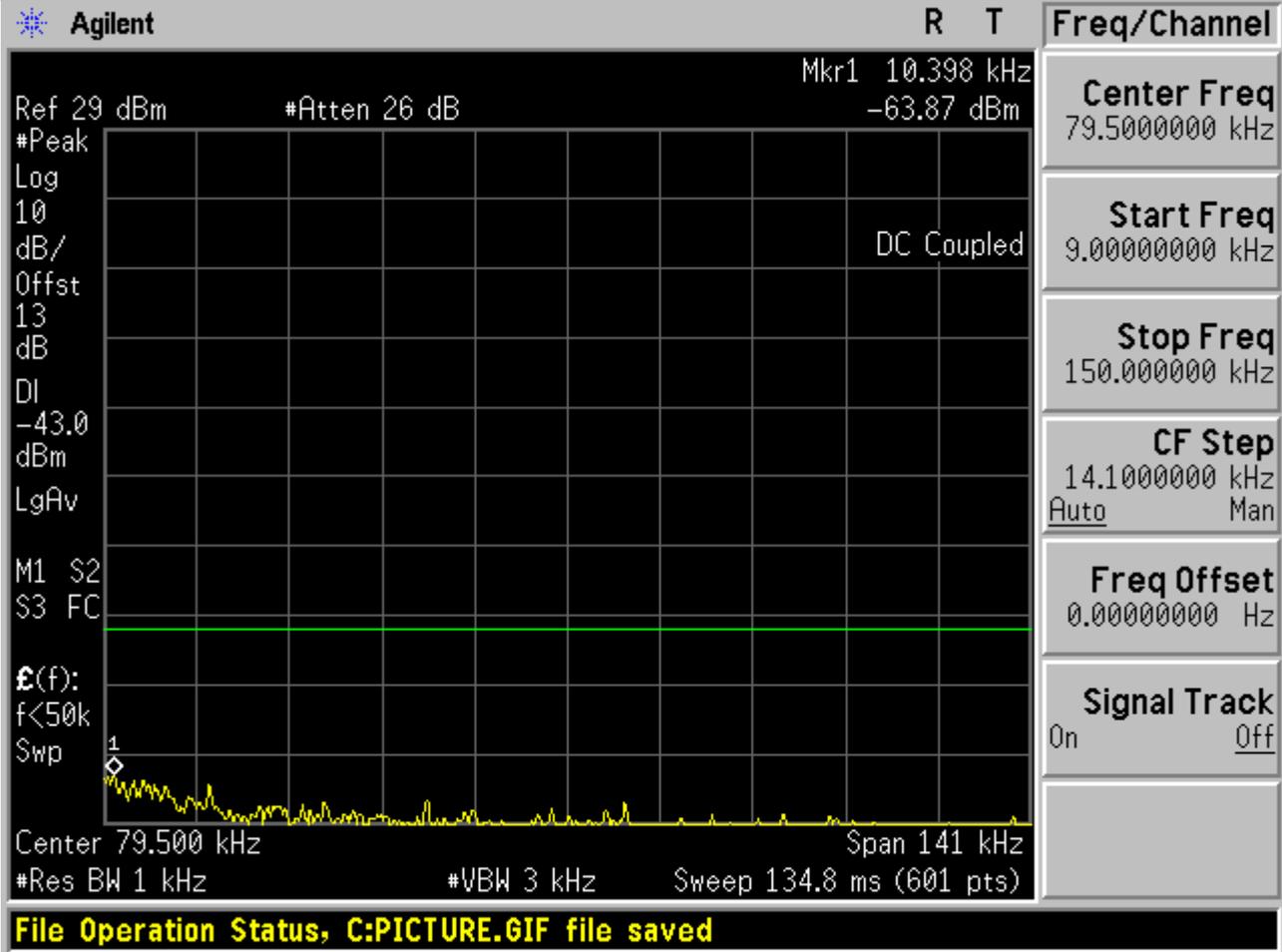


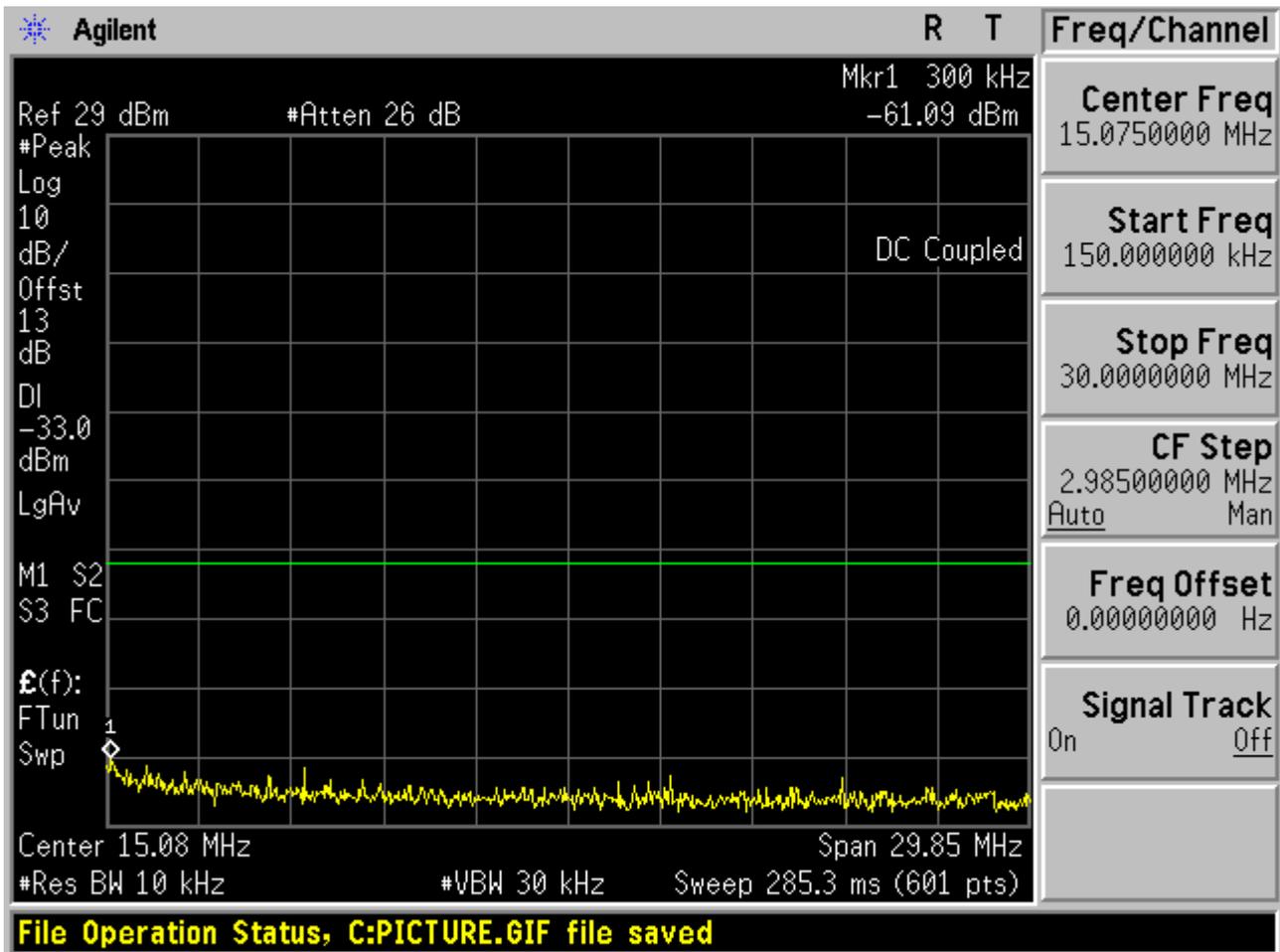


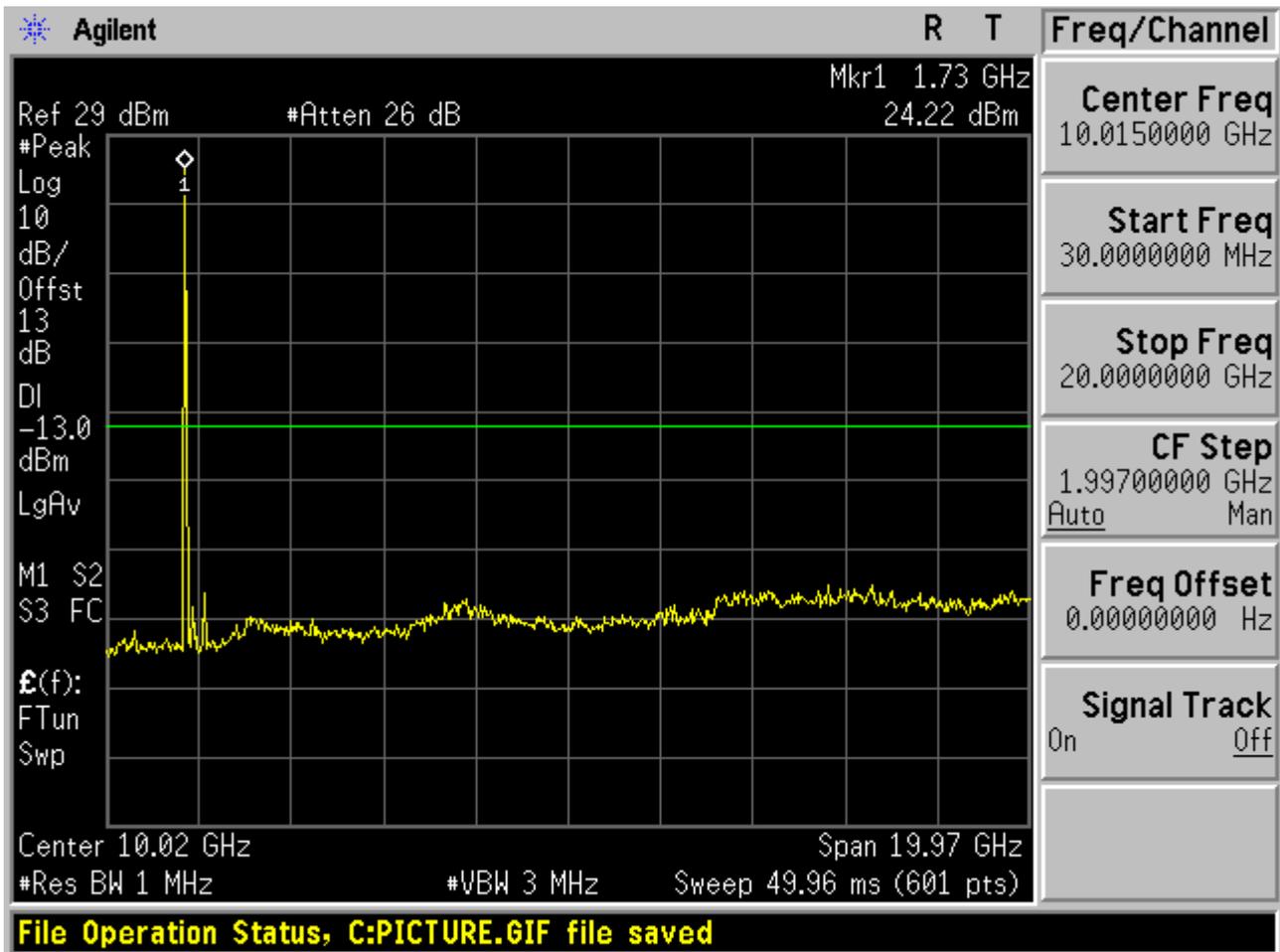


2.1.5.3 Channel = T

2.1.5.3.1 QPSK/1RBs /RB #0





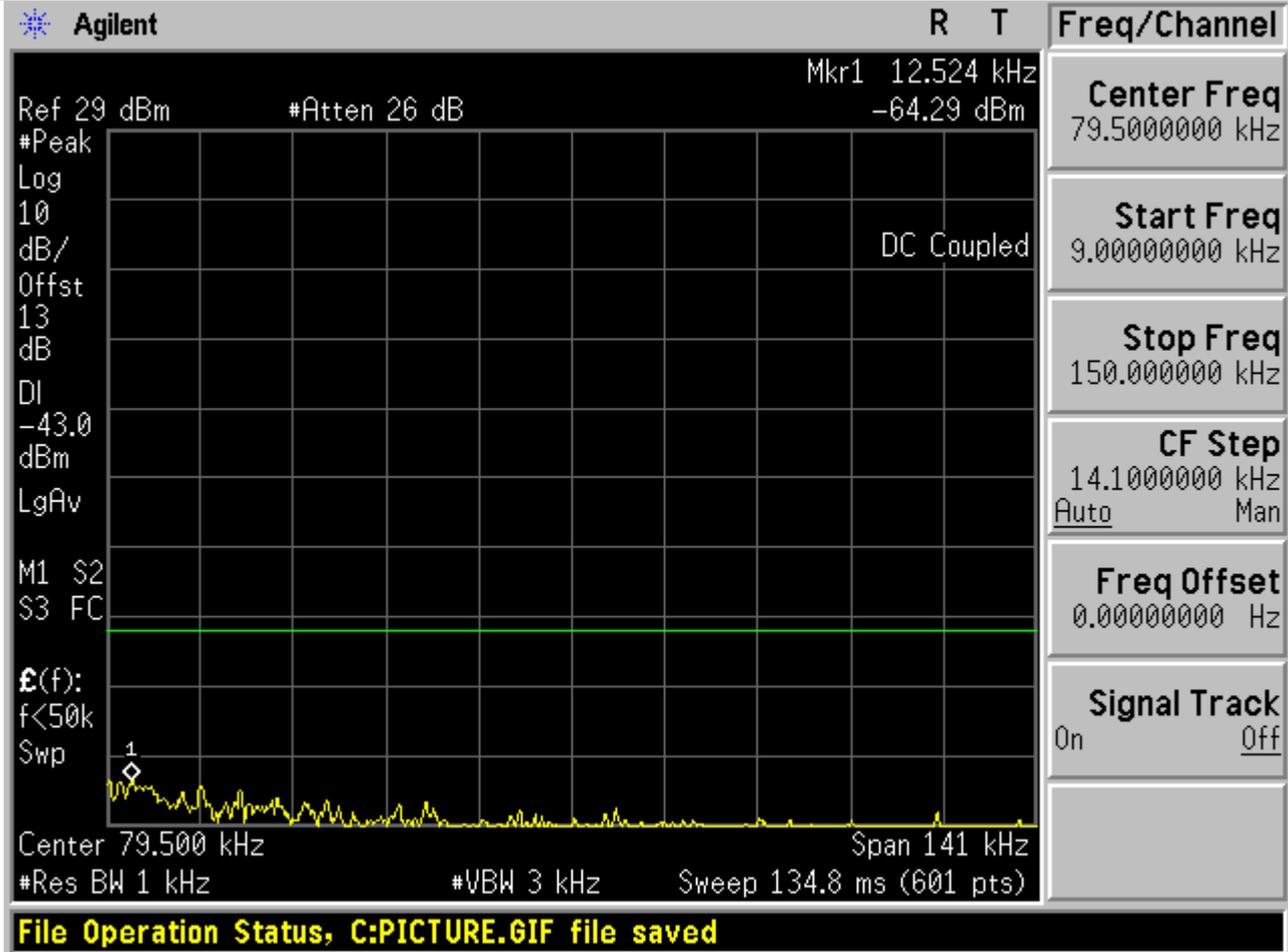


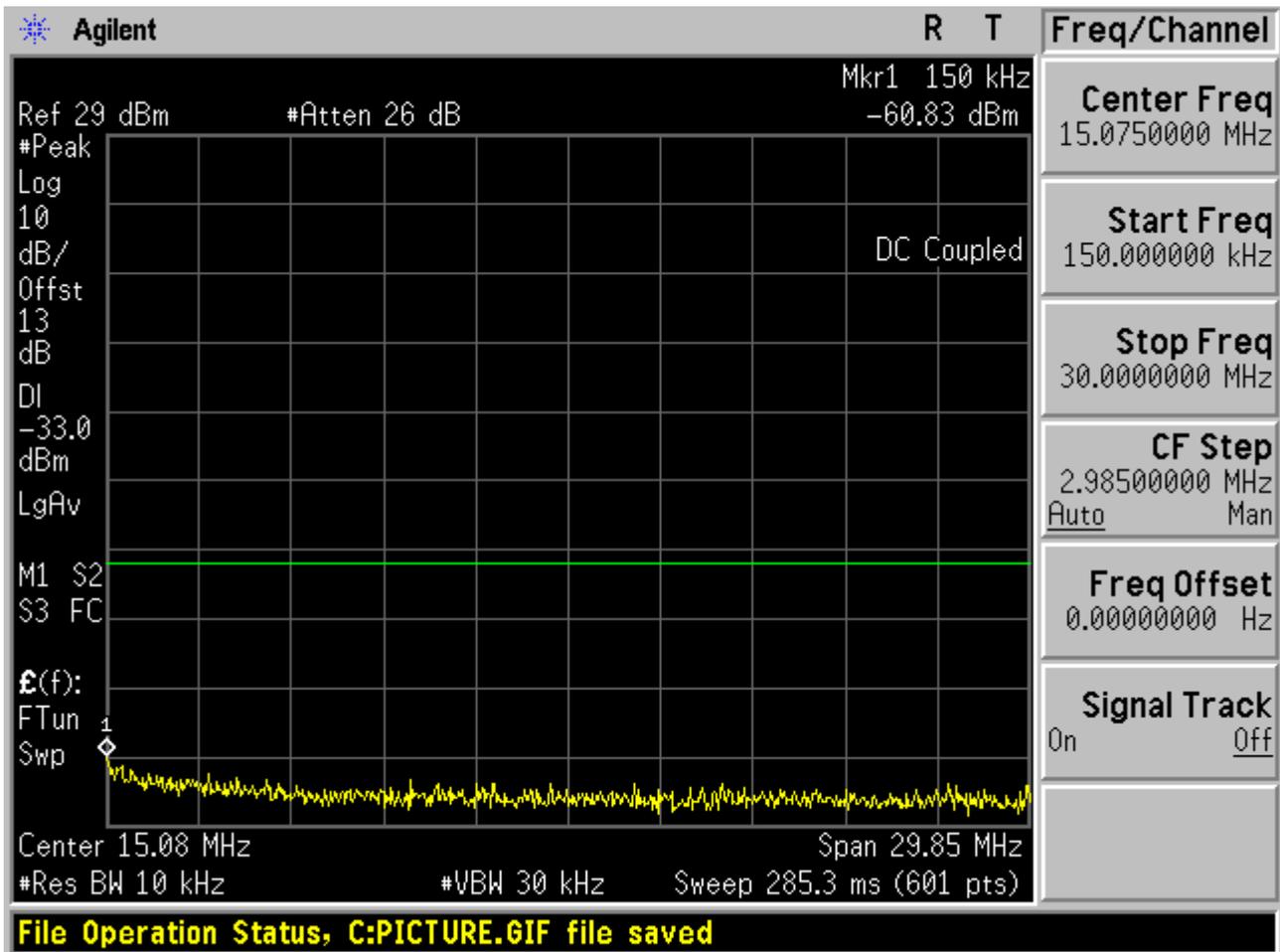


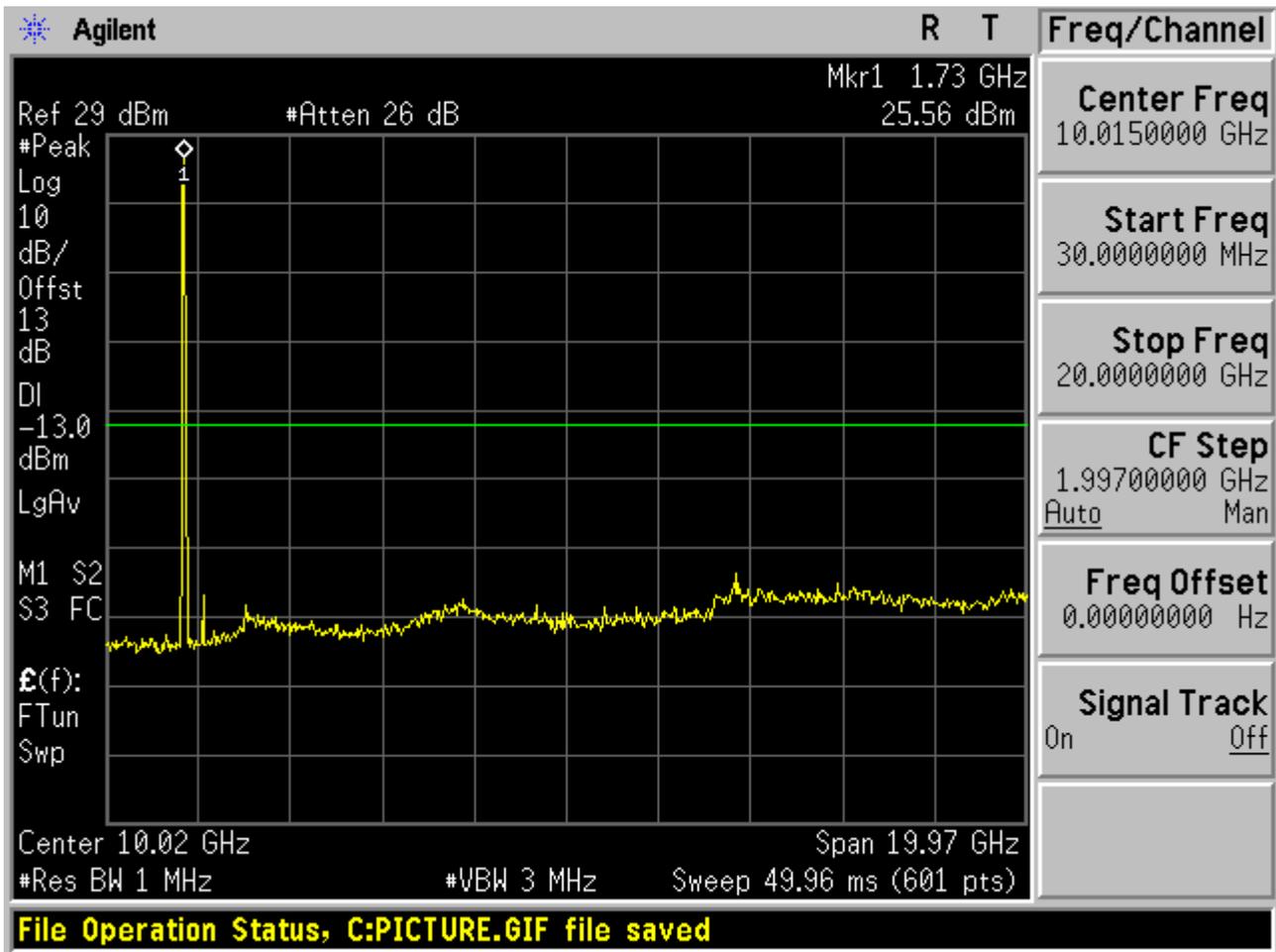
2.1.6 Channel Bandwidth = 20 MHz

2.1.6.1 Channel = B

2.1.6.1.1 QPSK/1RBs /RB #0



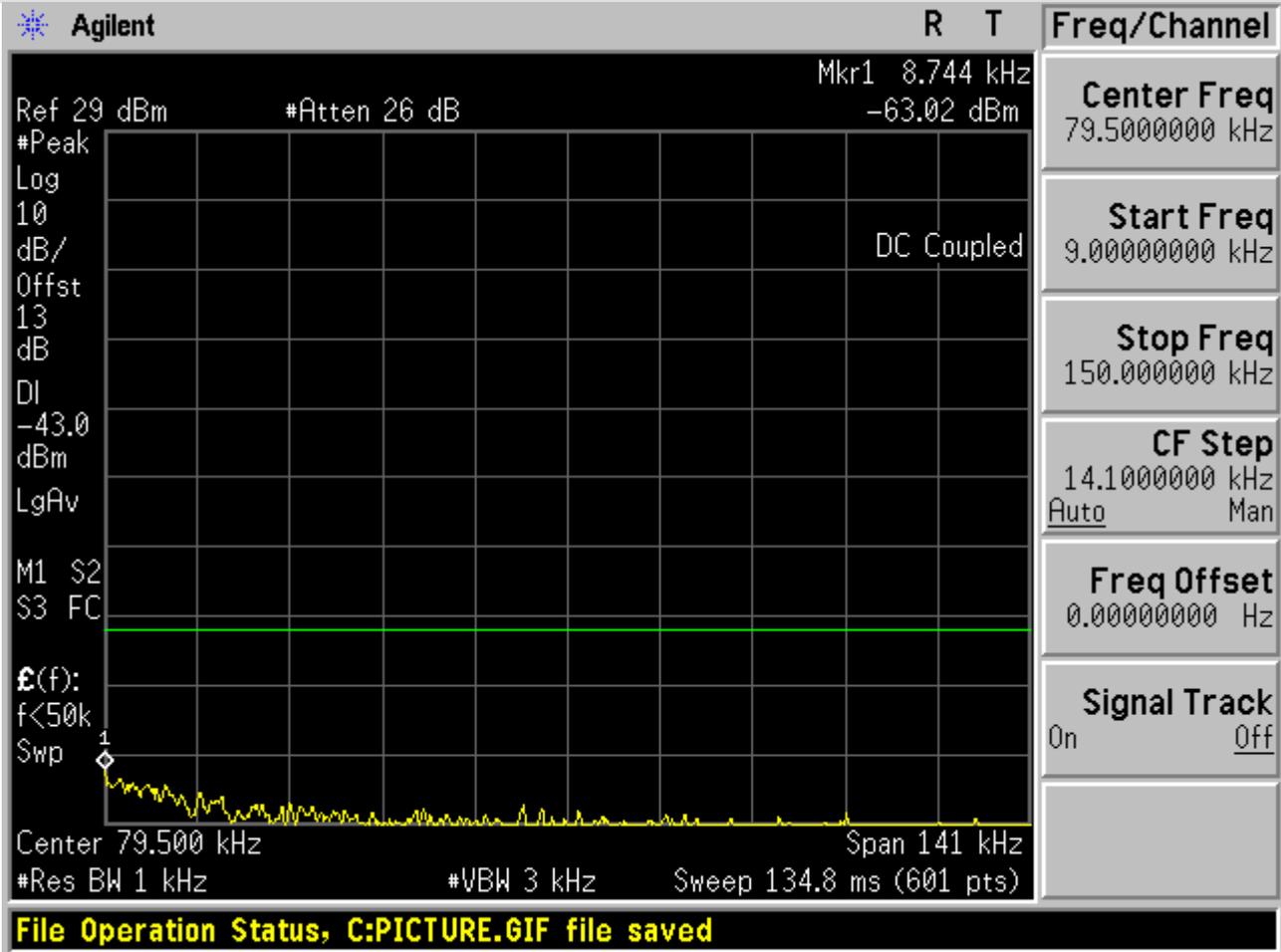


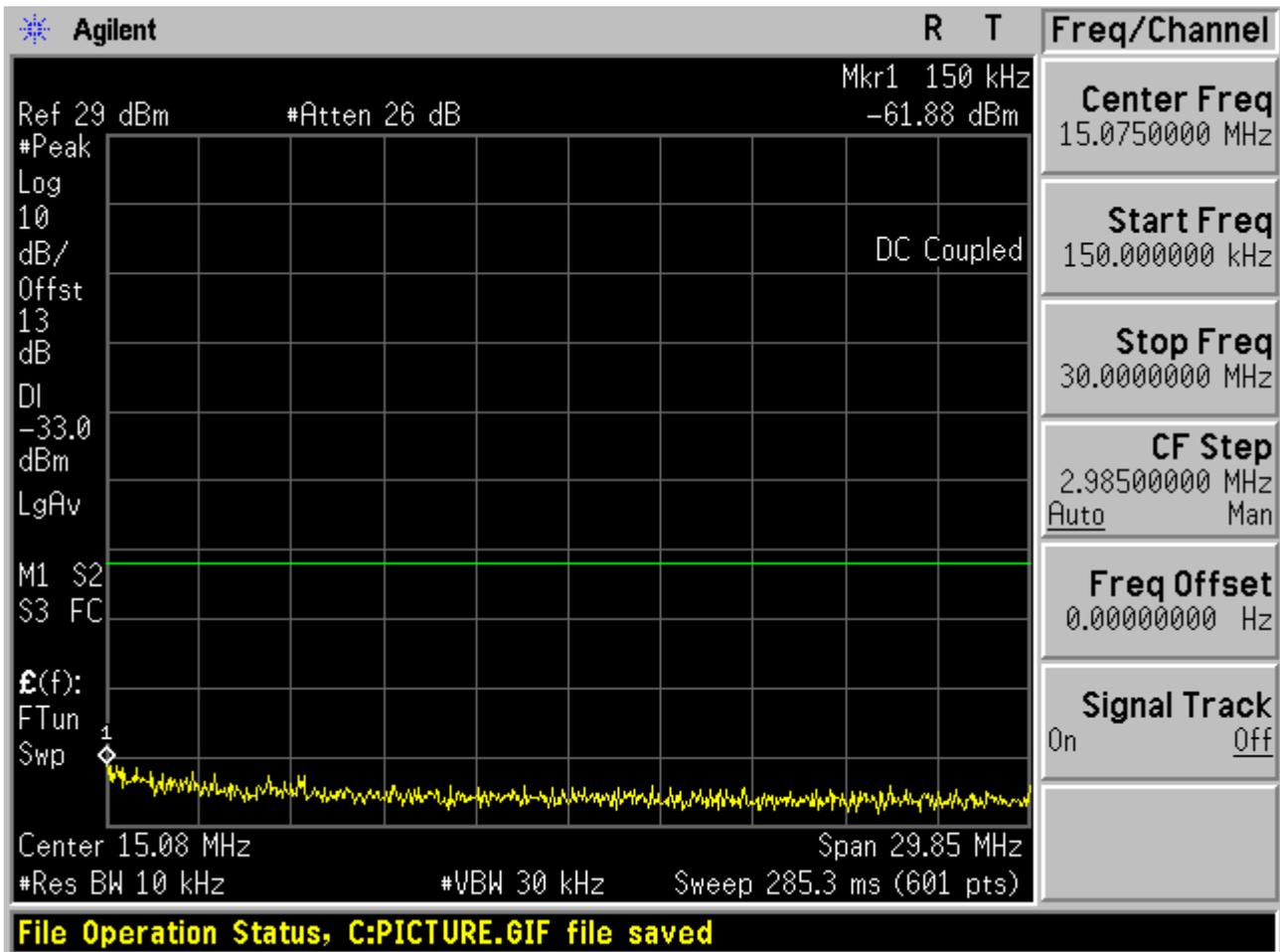


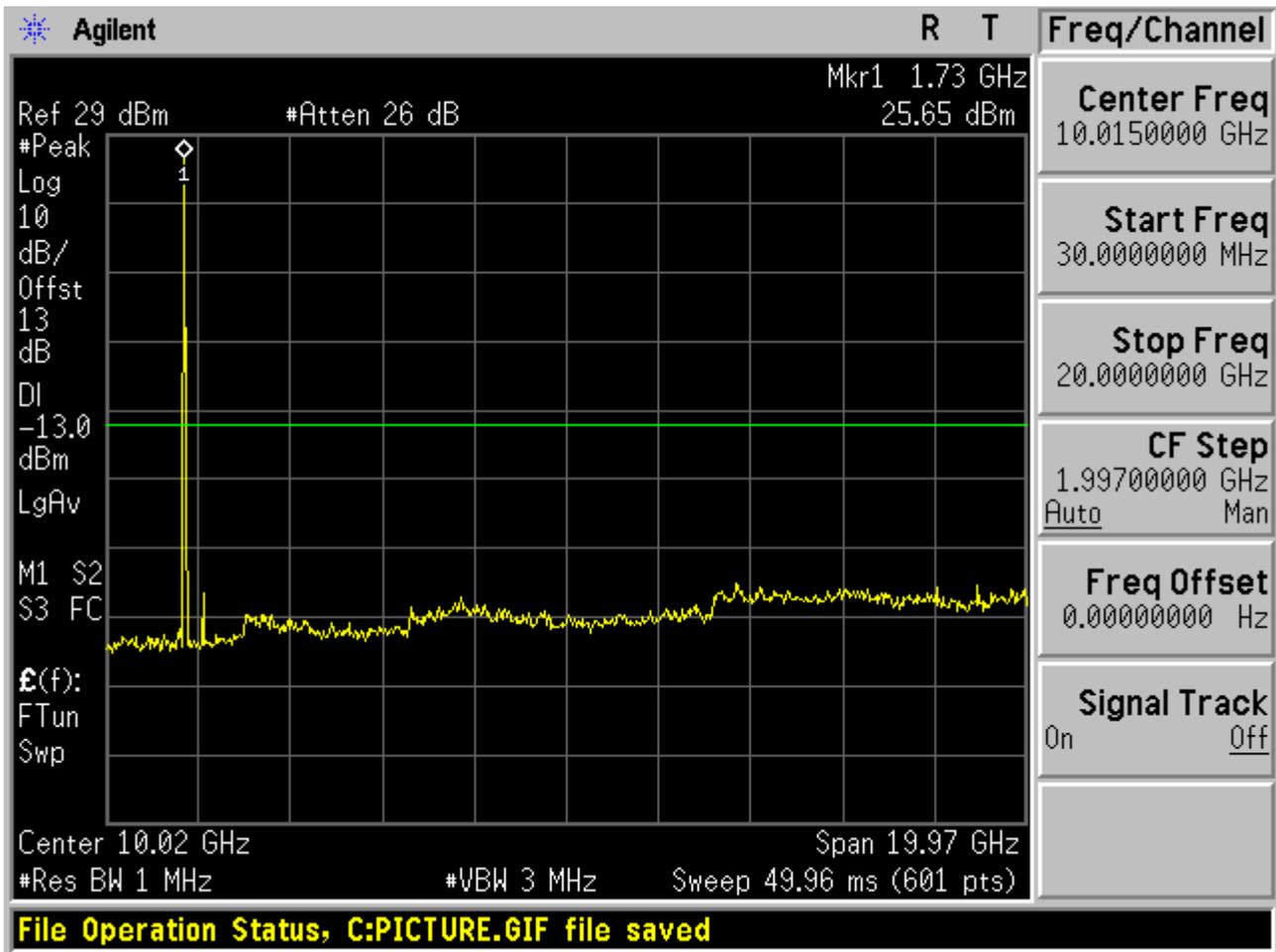


2.1.6.2 Channel = M

2.1.6.2.1 QPSK/1RBs /RB #0



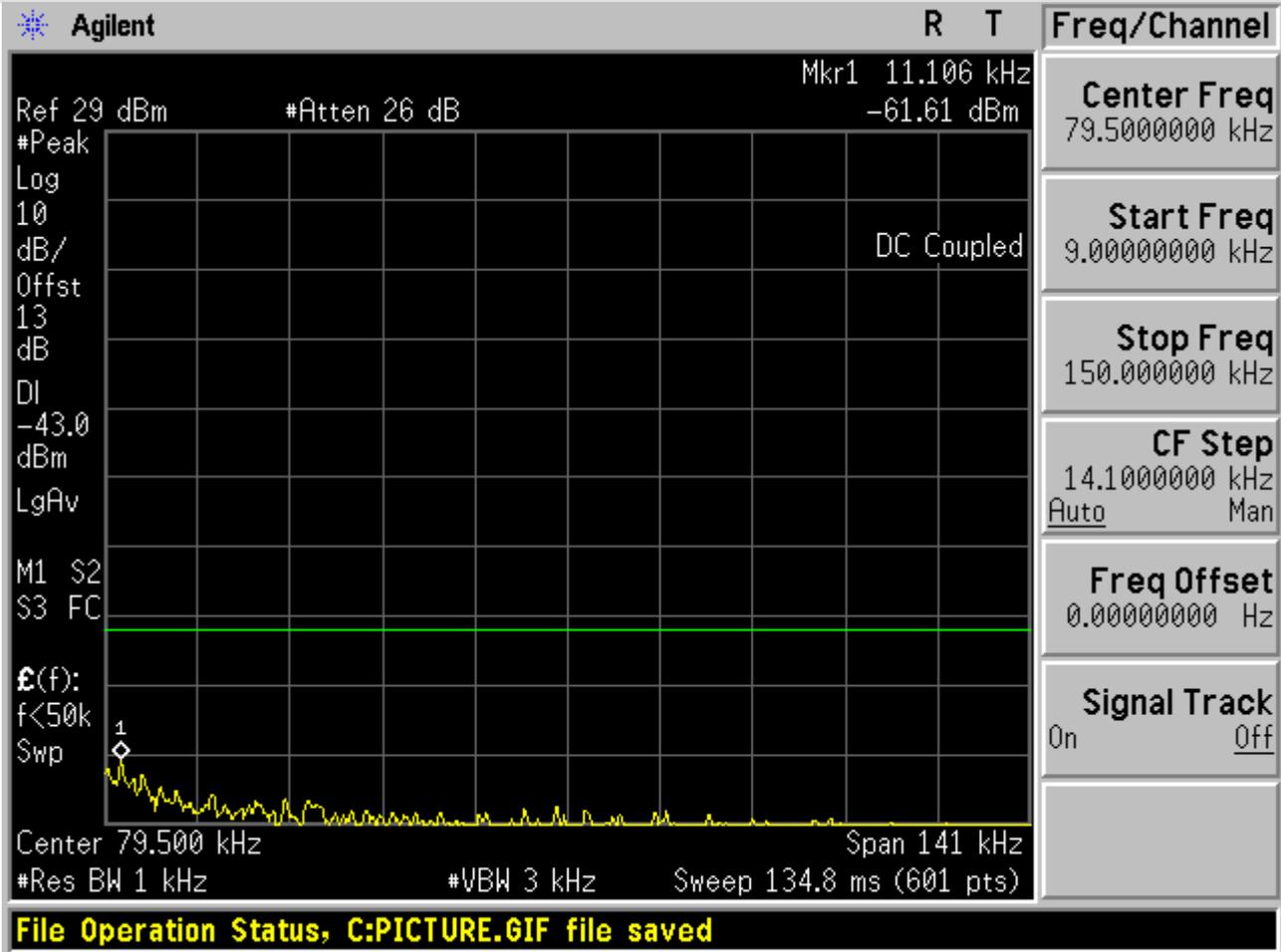


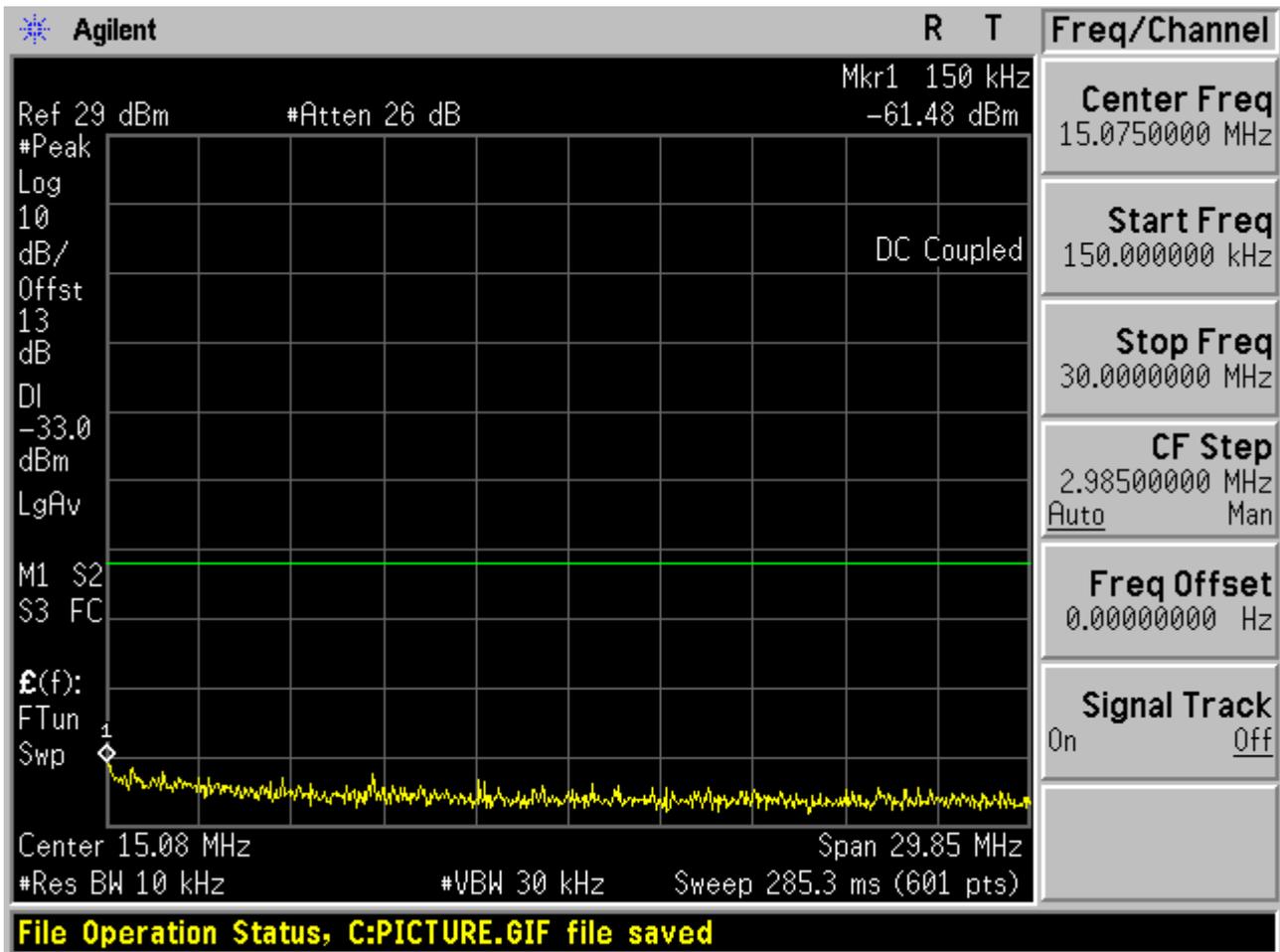


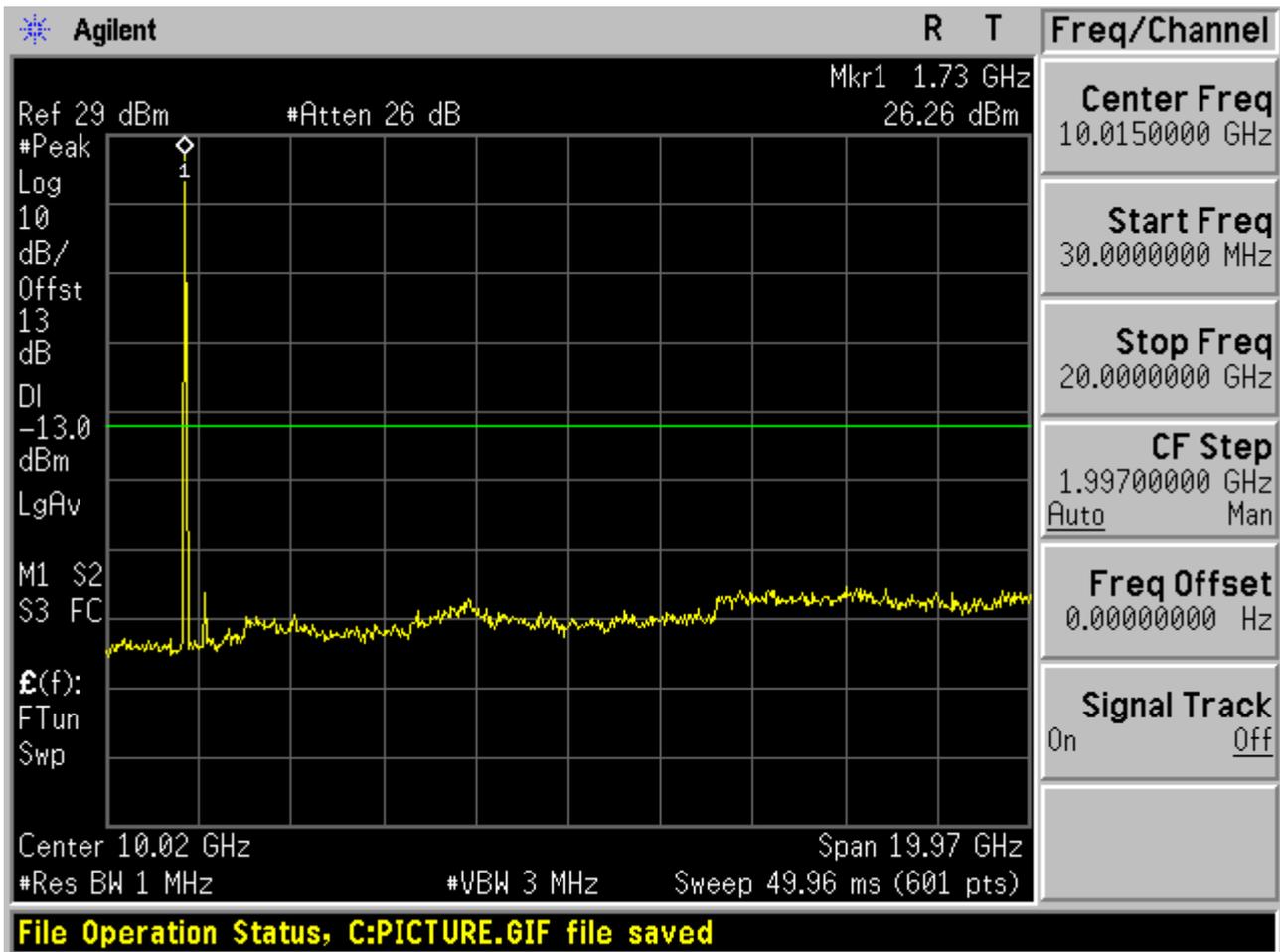


2.1.6.3 Channel = T

2.1.6.3.1 QPSK/1RBs /RB #0







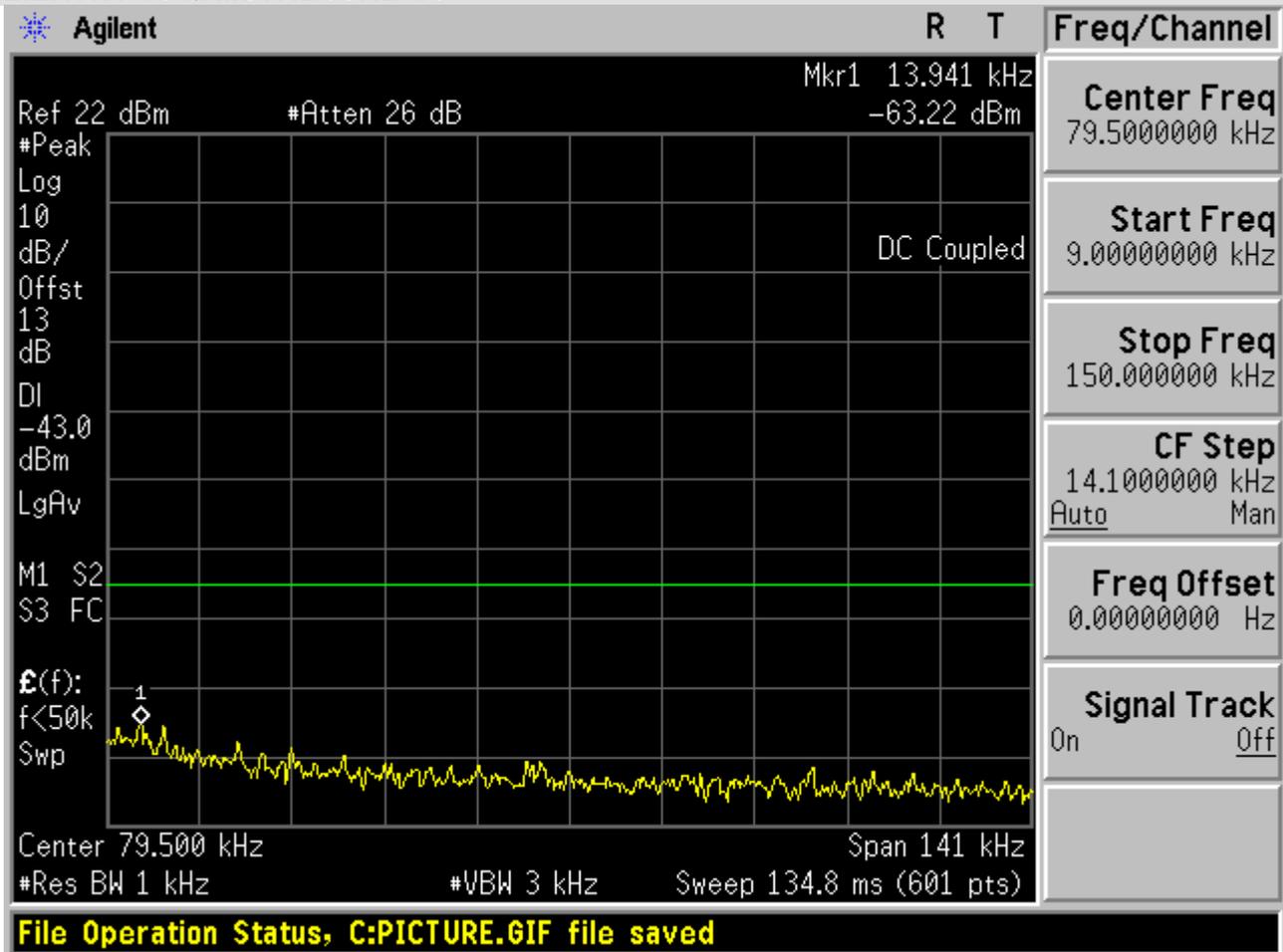


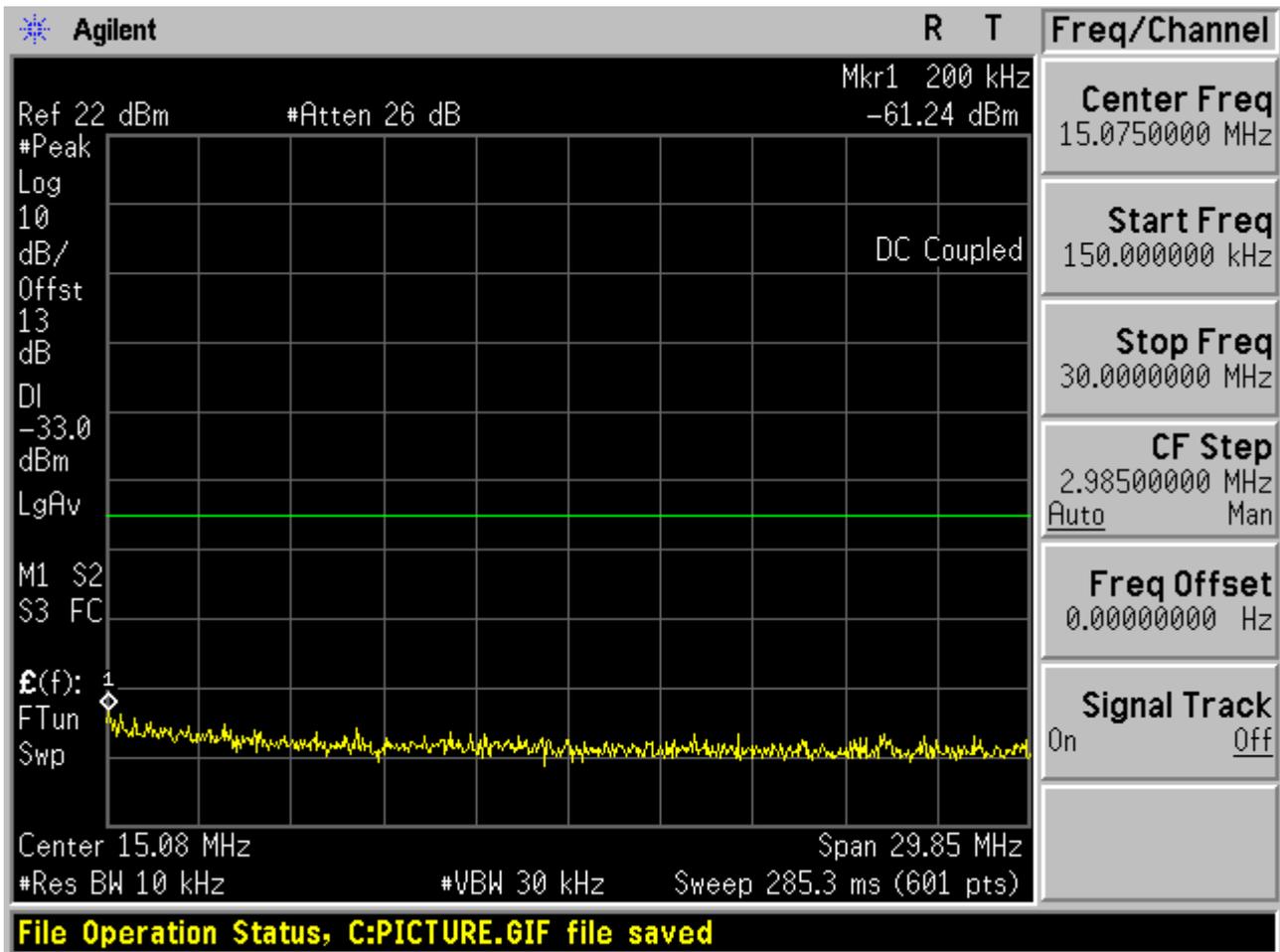
2.2 Test Mode=TM5

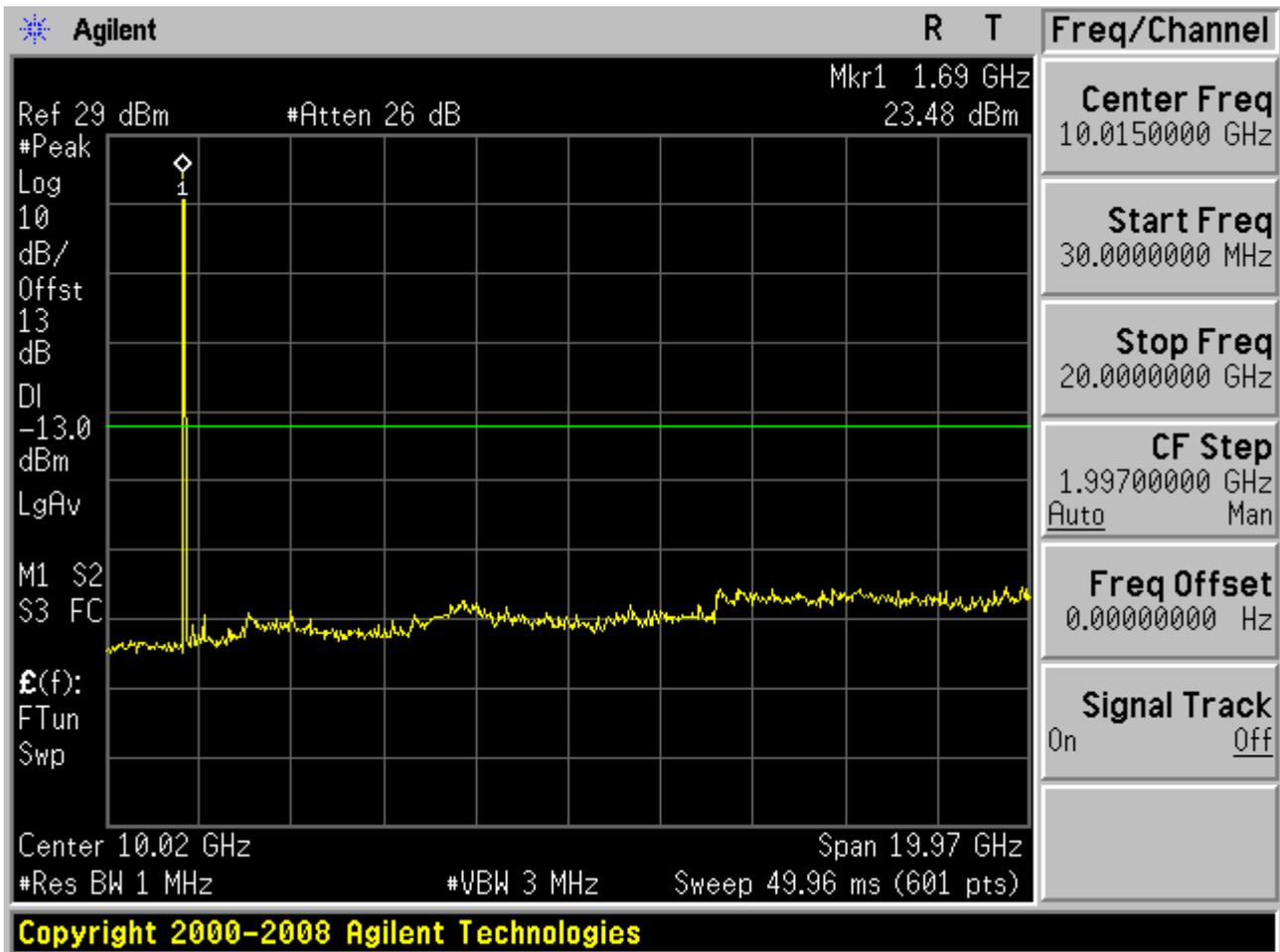
2.2.1 Channel Bandwidth = 1.4 MHz

2.2.1.1 Channel = B

2.2.1.1.1 16QAM/1RBs /RB #0



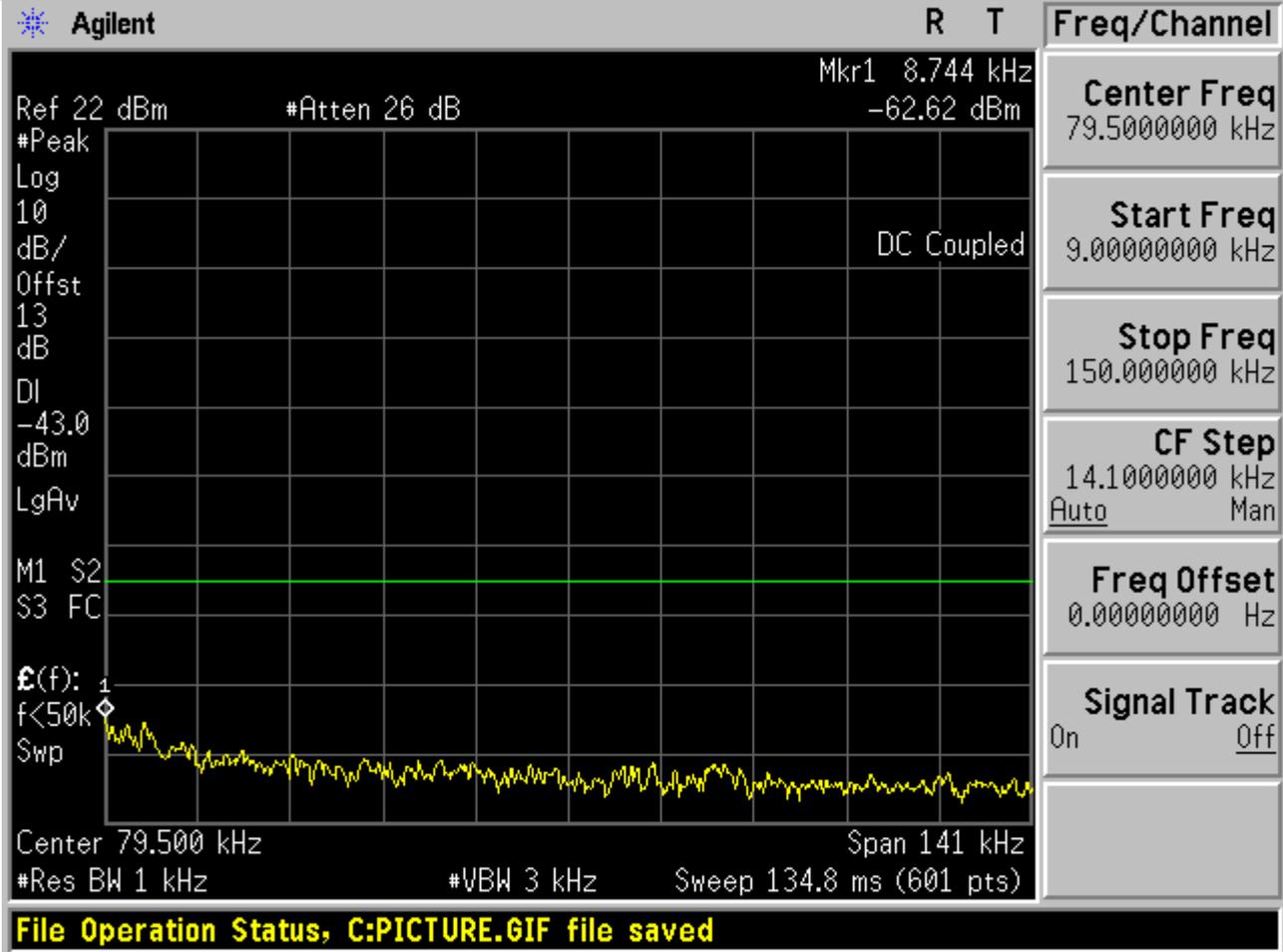


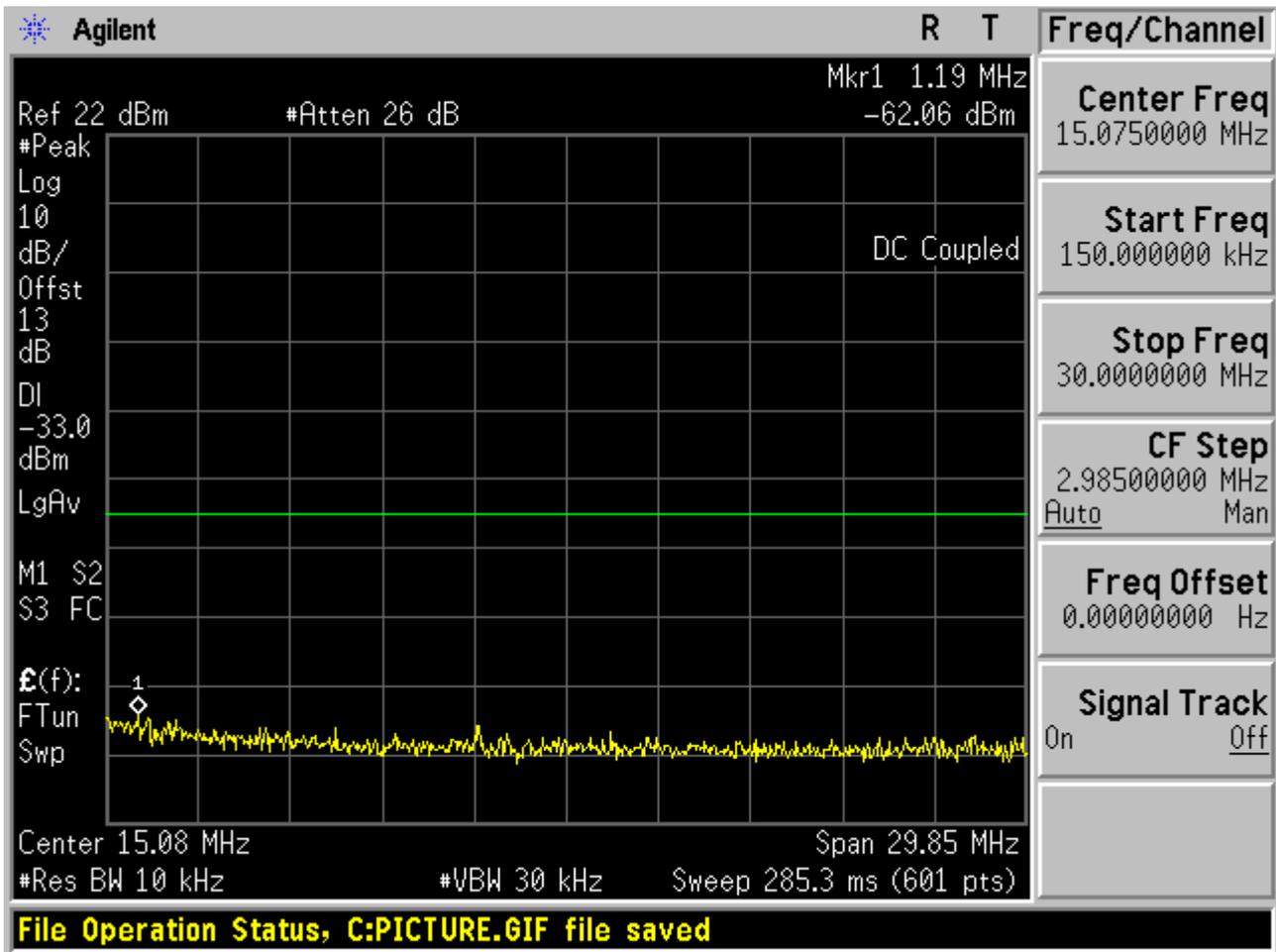


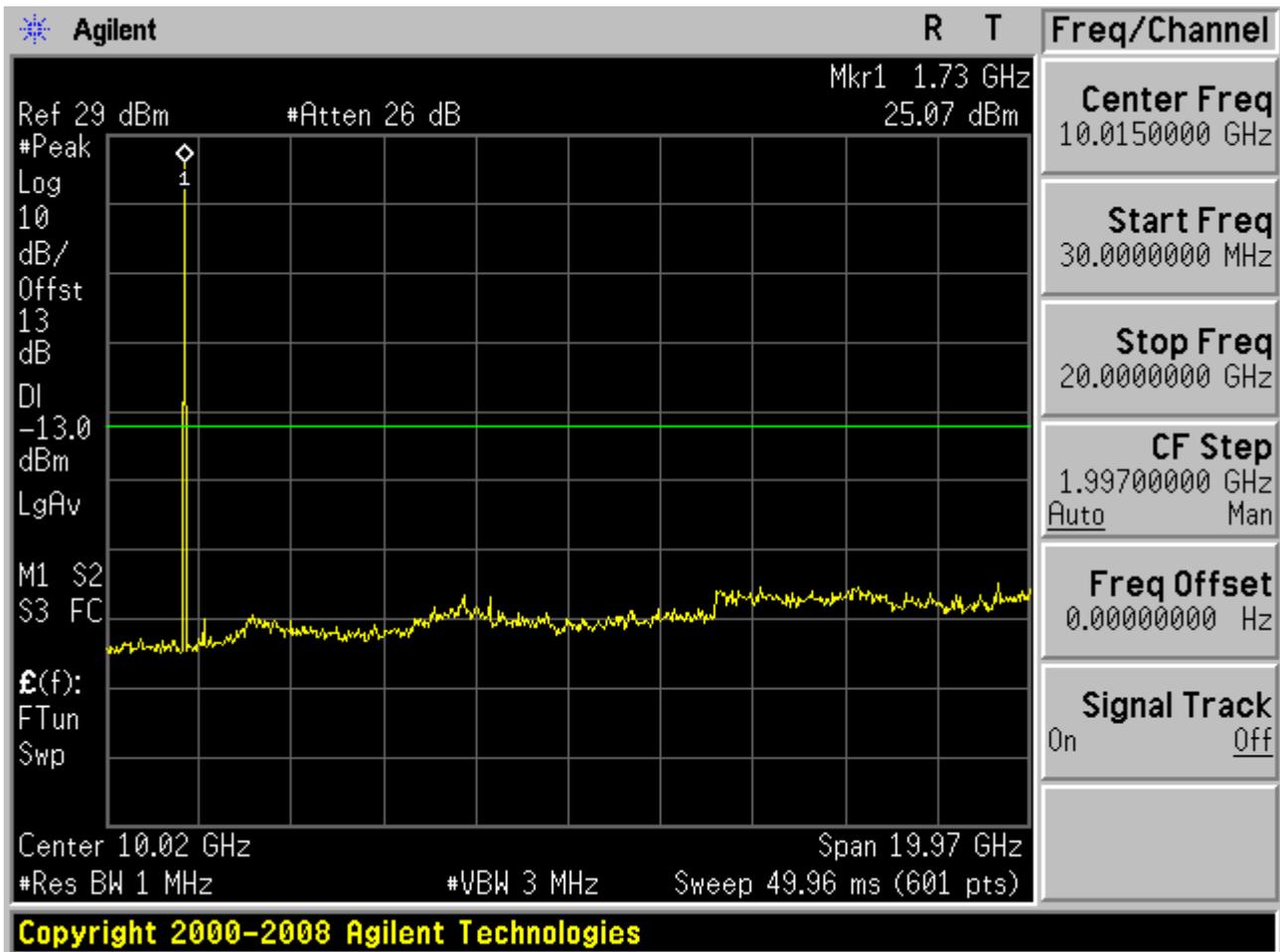


2.2.1.2 Channel = M

2.2.1.2.1 16QAM/1RBs /RB #0



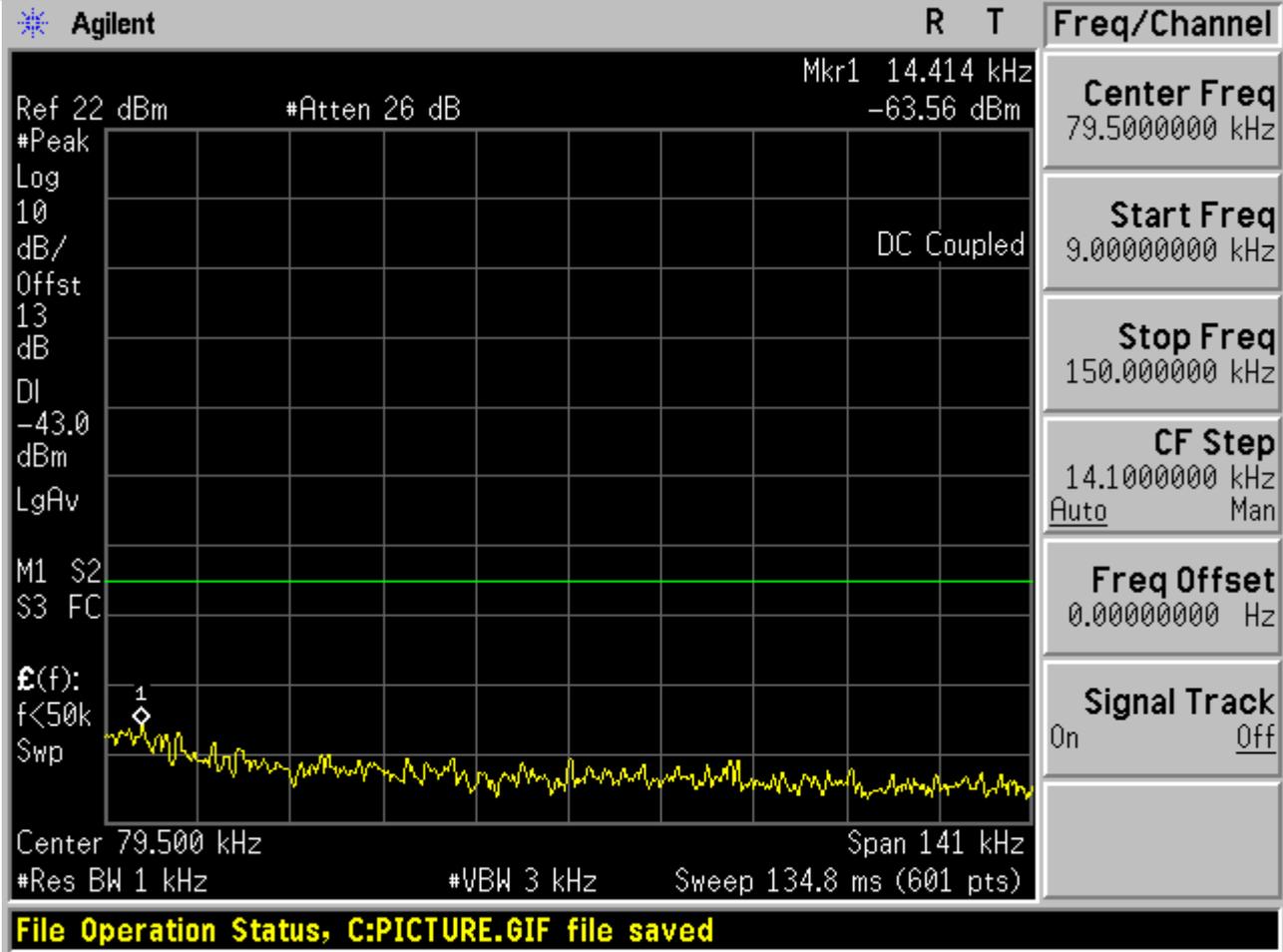


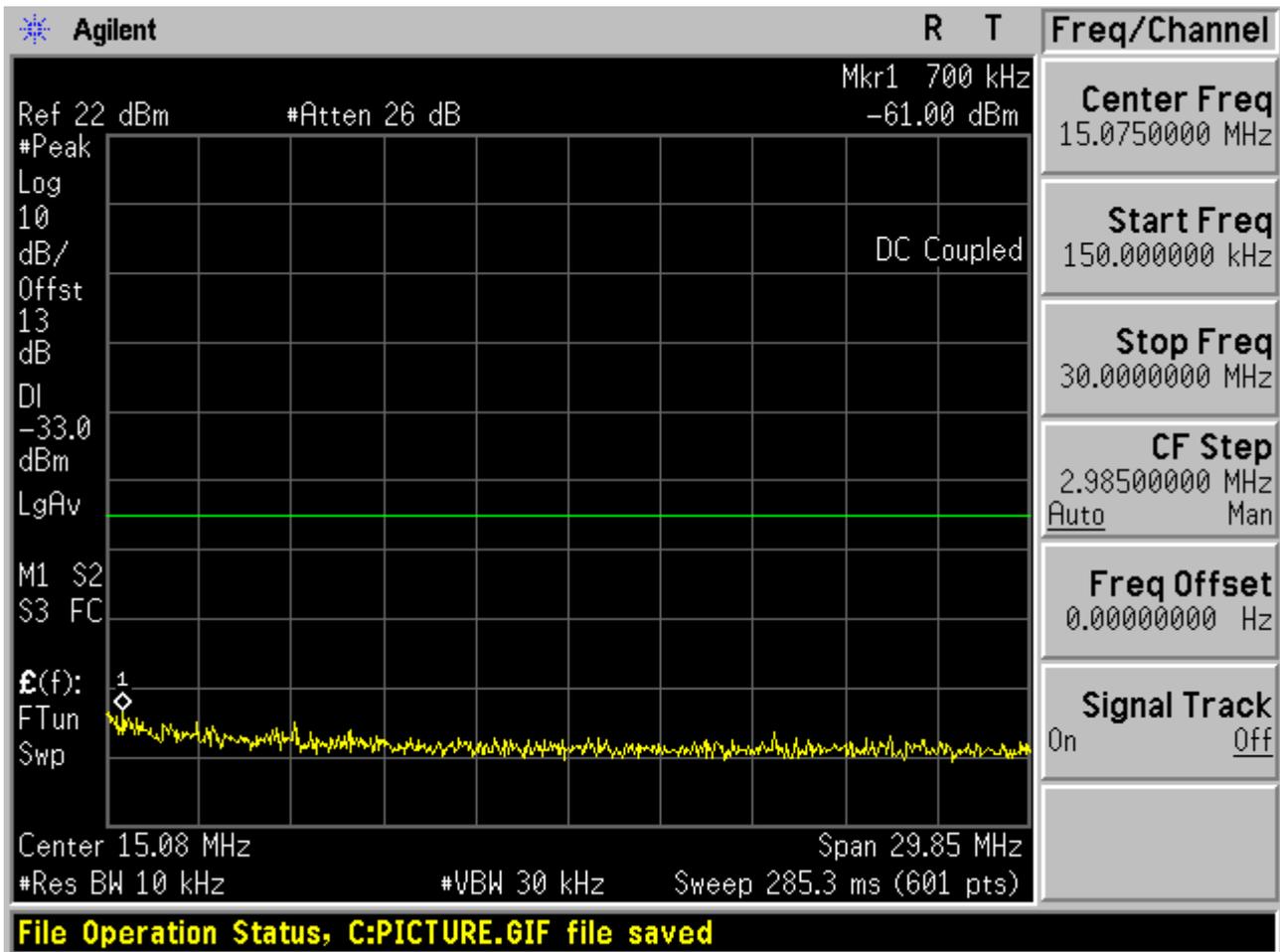


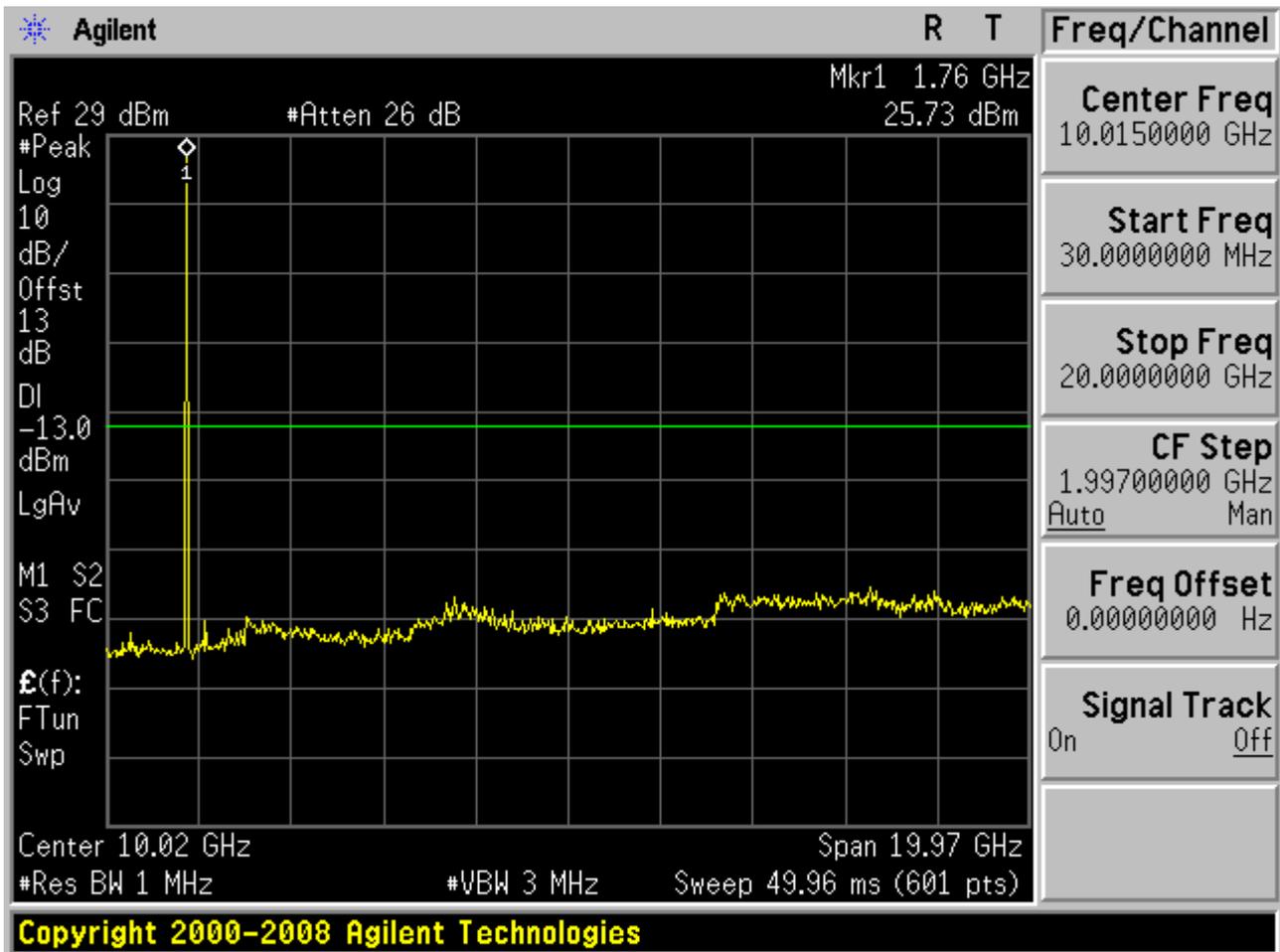


2.2.1.3 Channel = T

2.2.1.3.1 16QAM/1RBs /RB #0





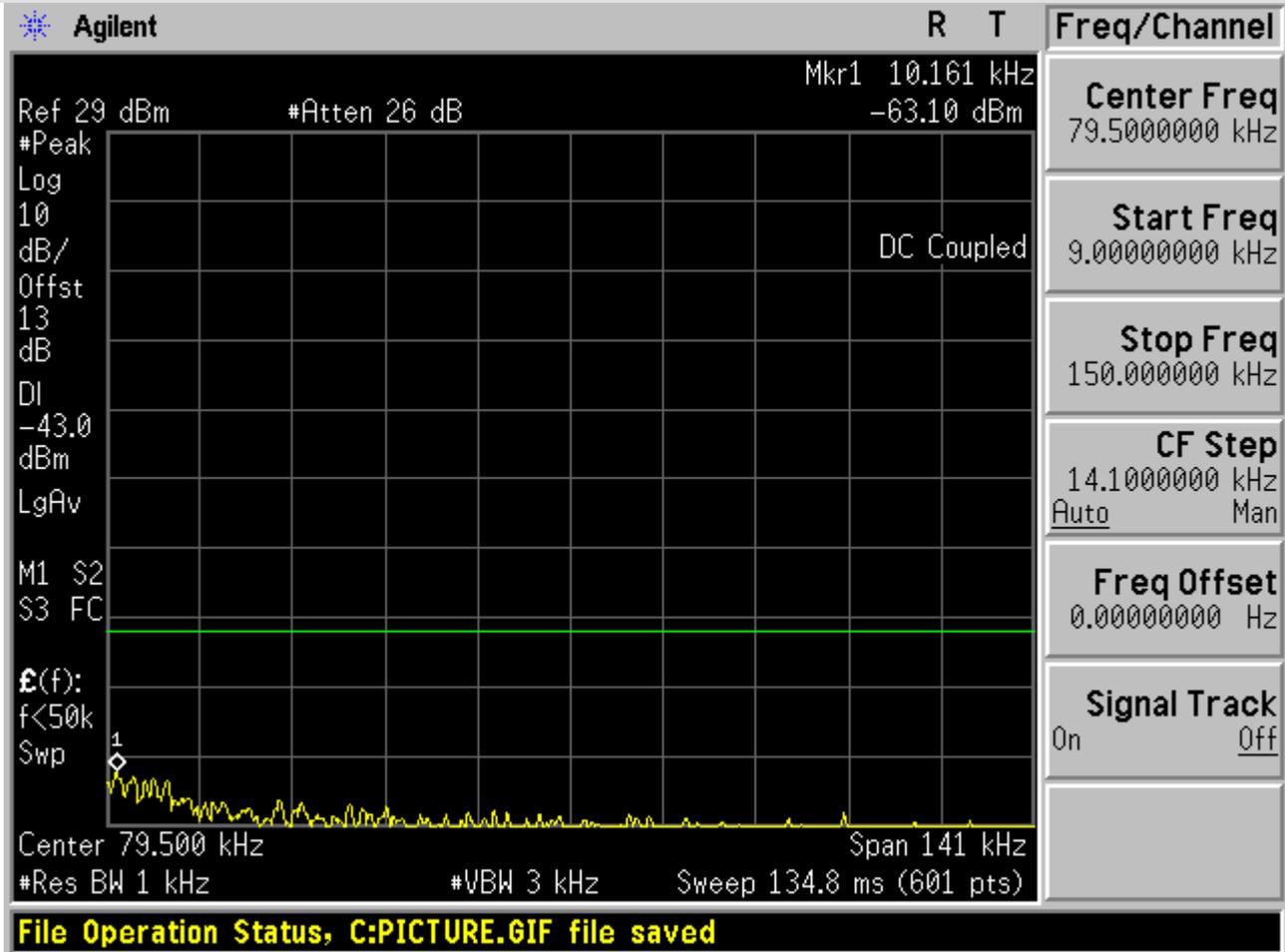


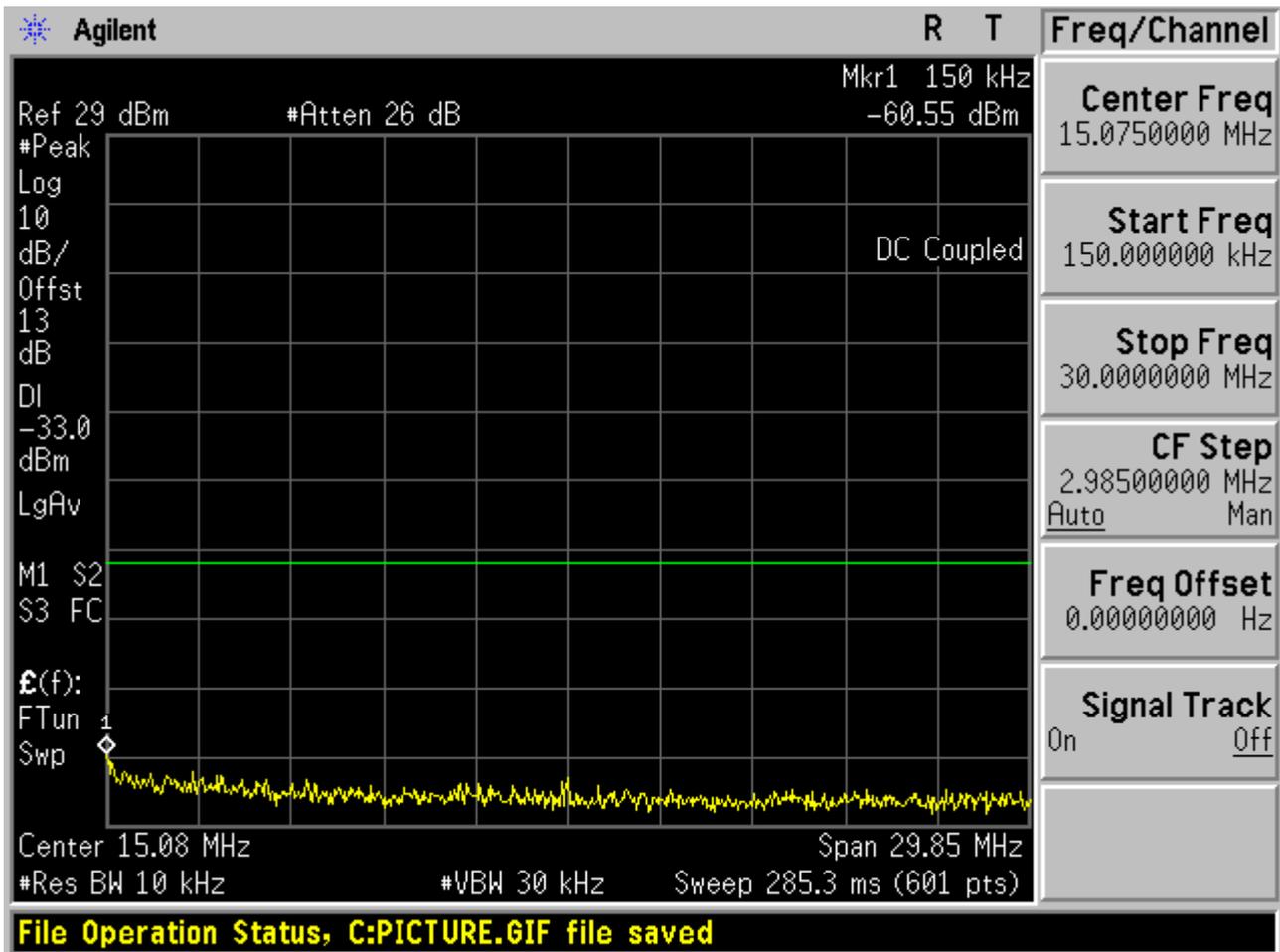


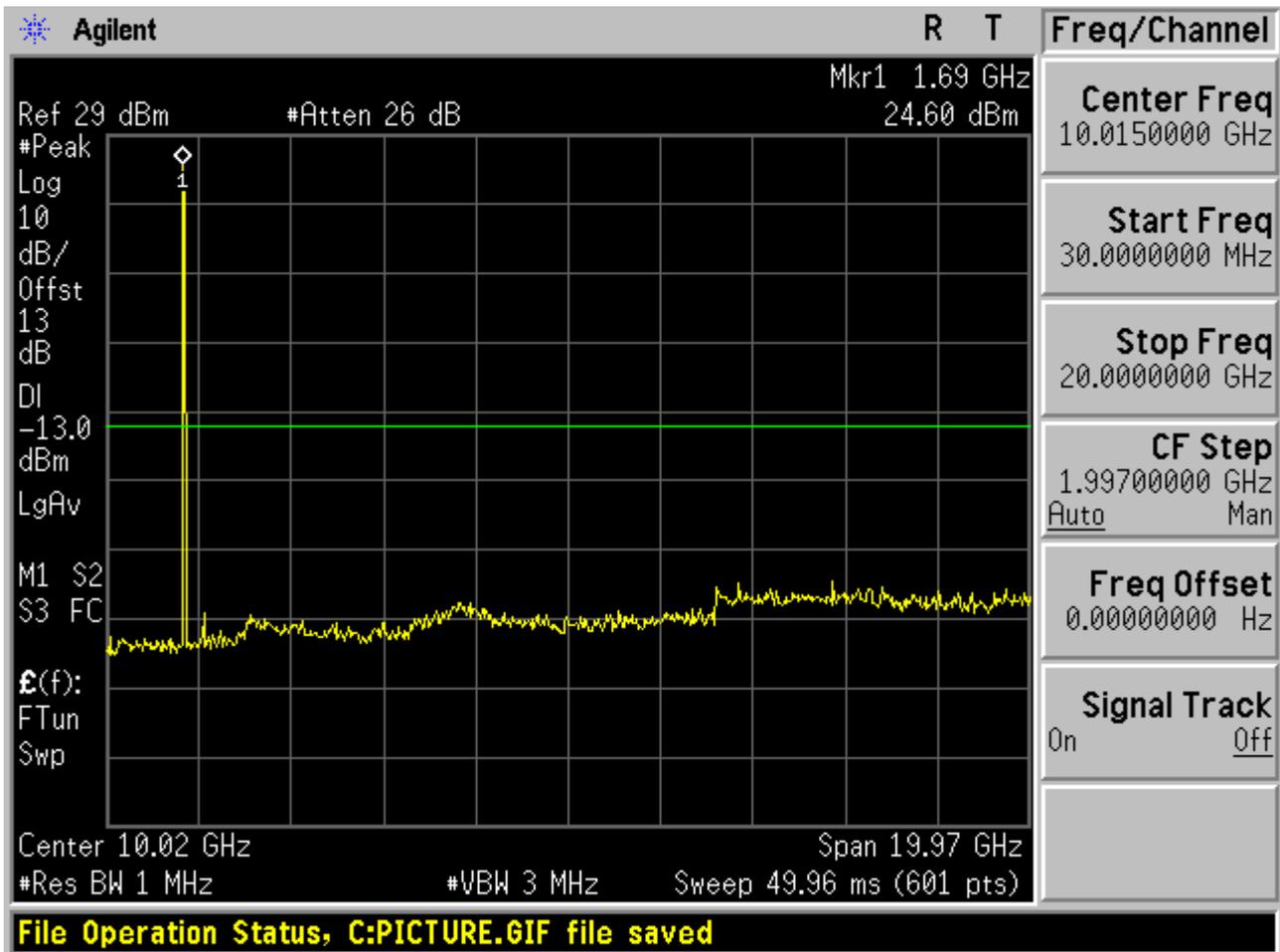
2.2.2 Channel Bandwidth = 3 MHz

2.2.2.1 Channel = B

2.2.2.1.1 16QAM/1RBs /RB #0



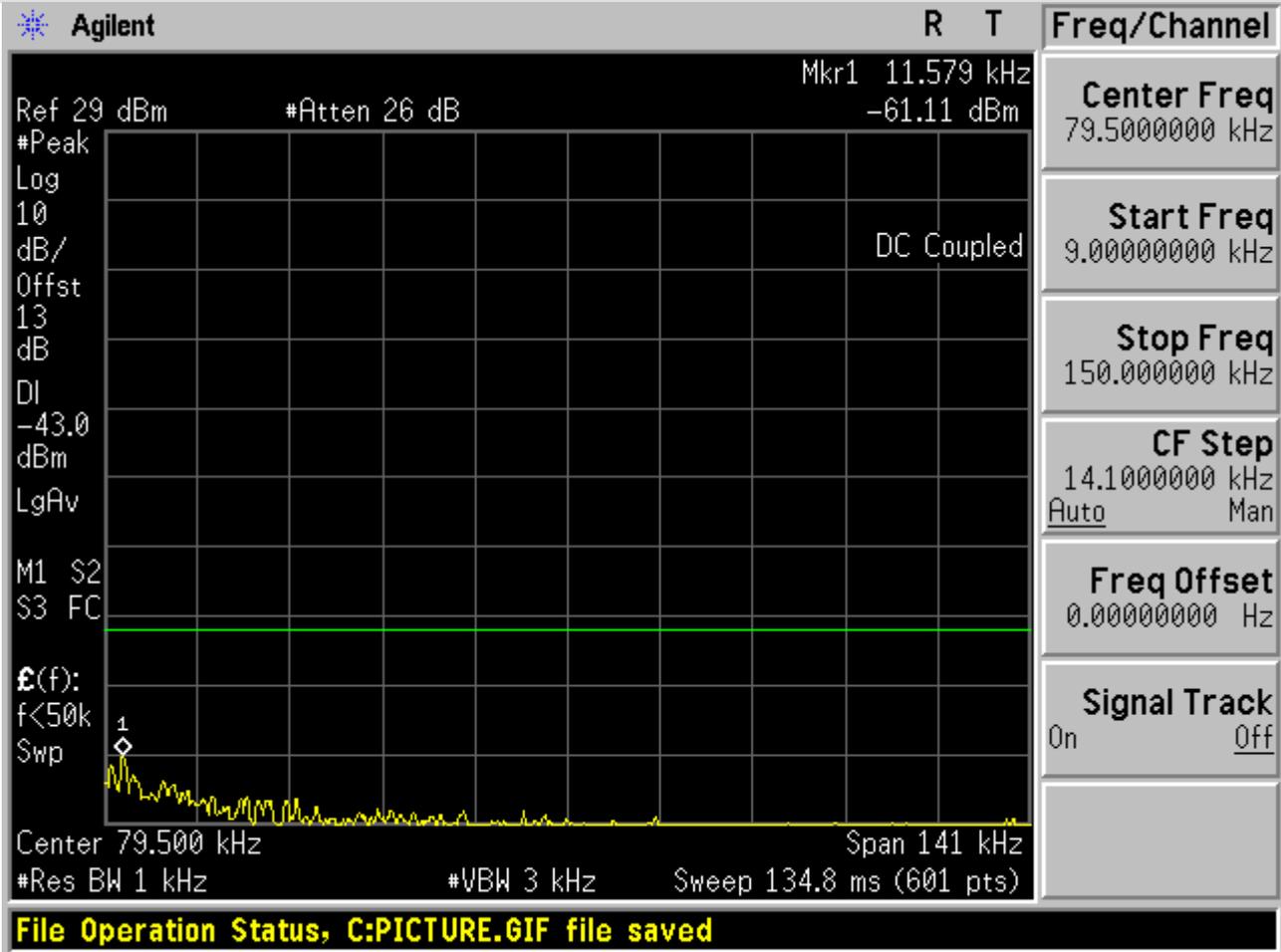


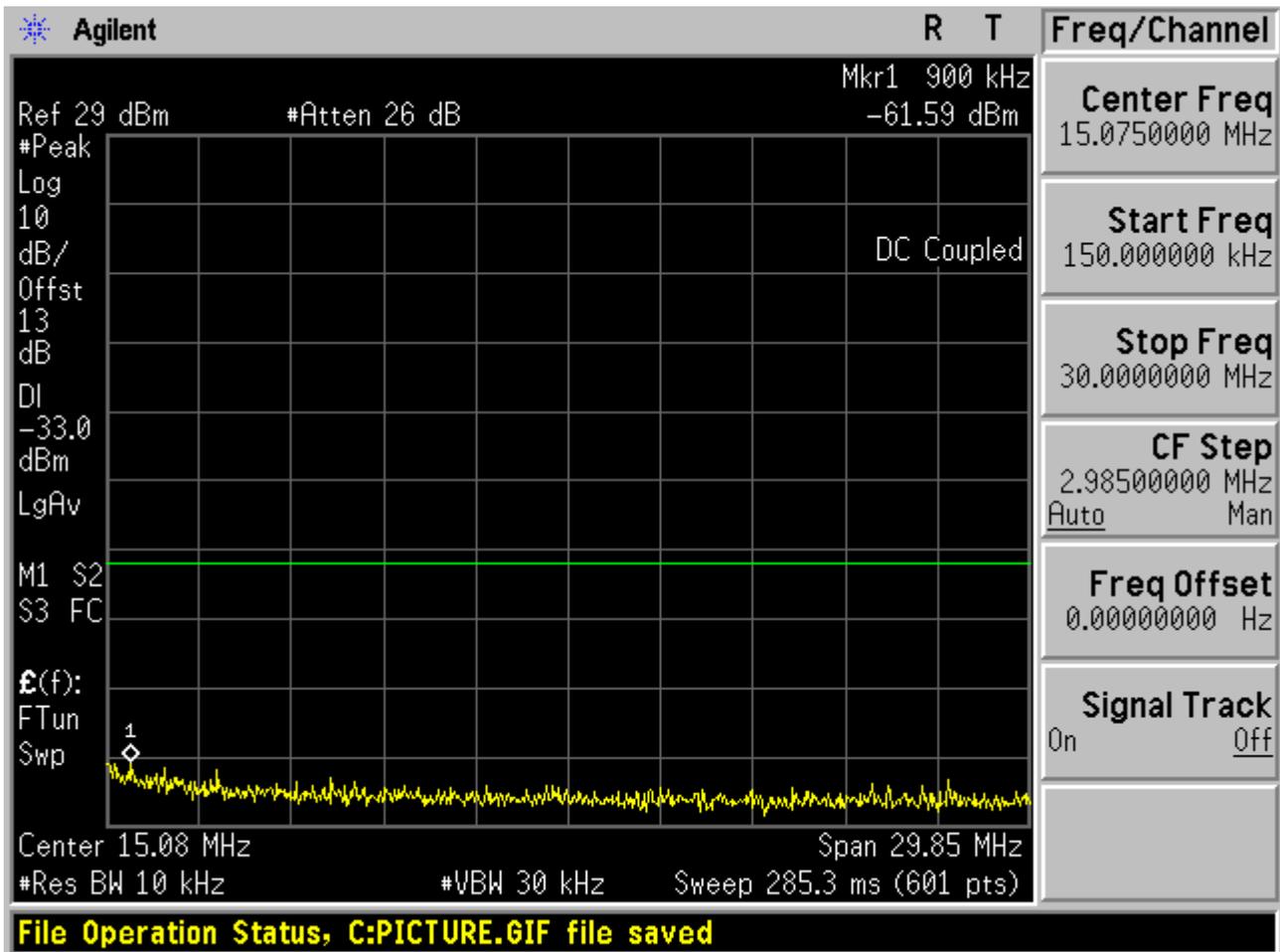


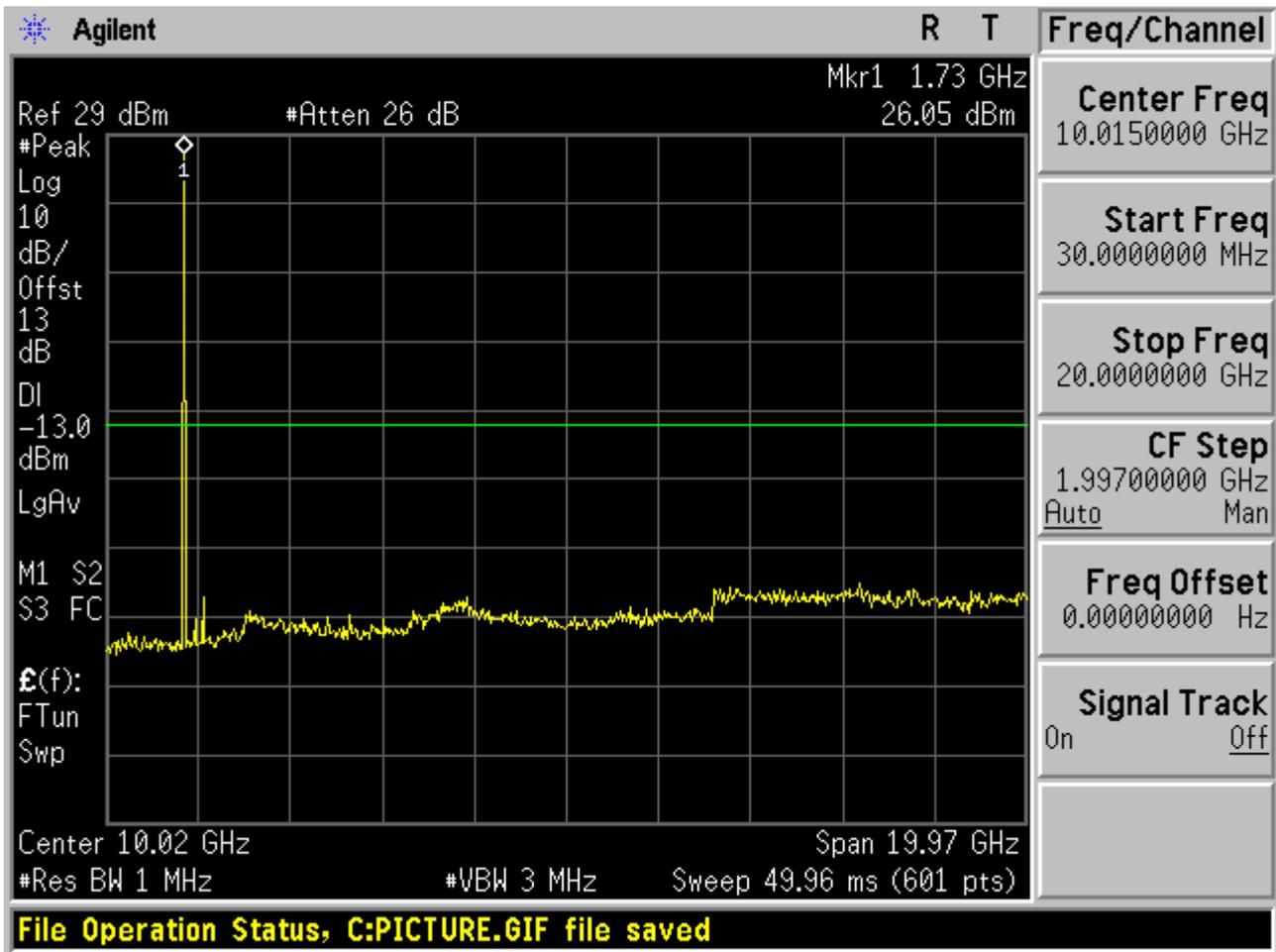


2.2.2.2 Channel = M

2.2.2.2.1 16QAM/1RBs /RB #0



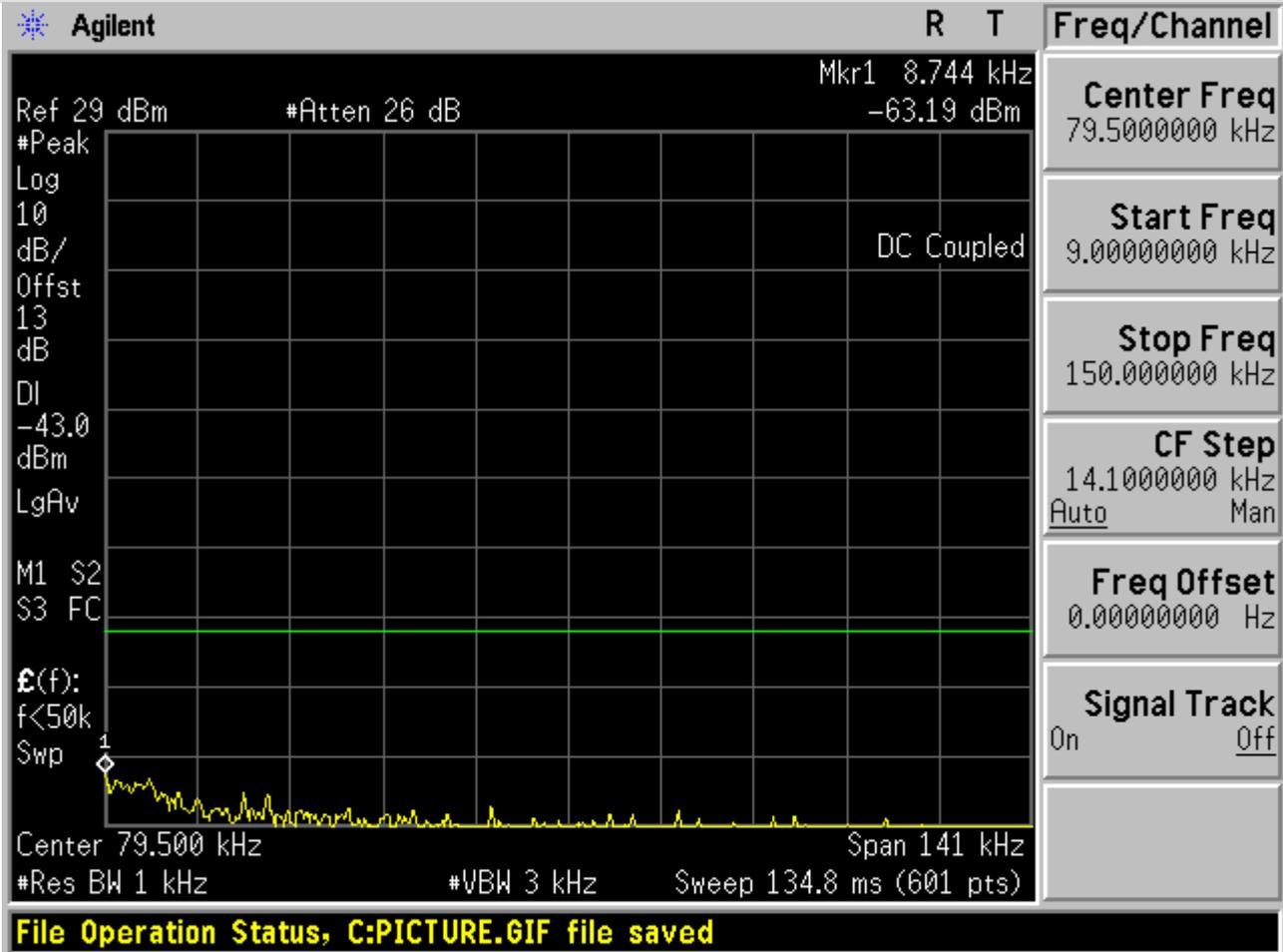


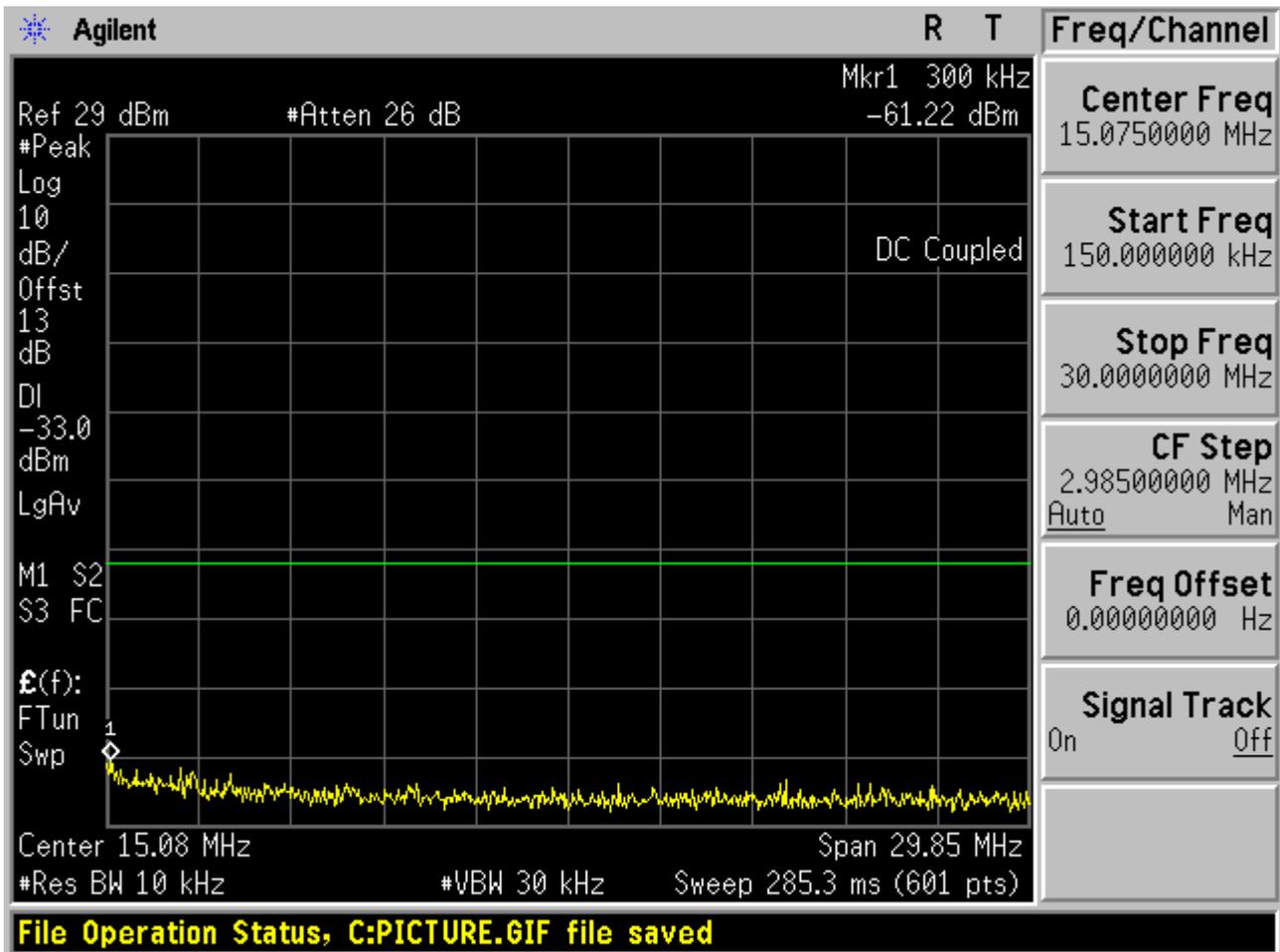


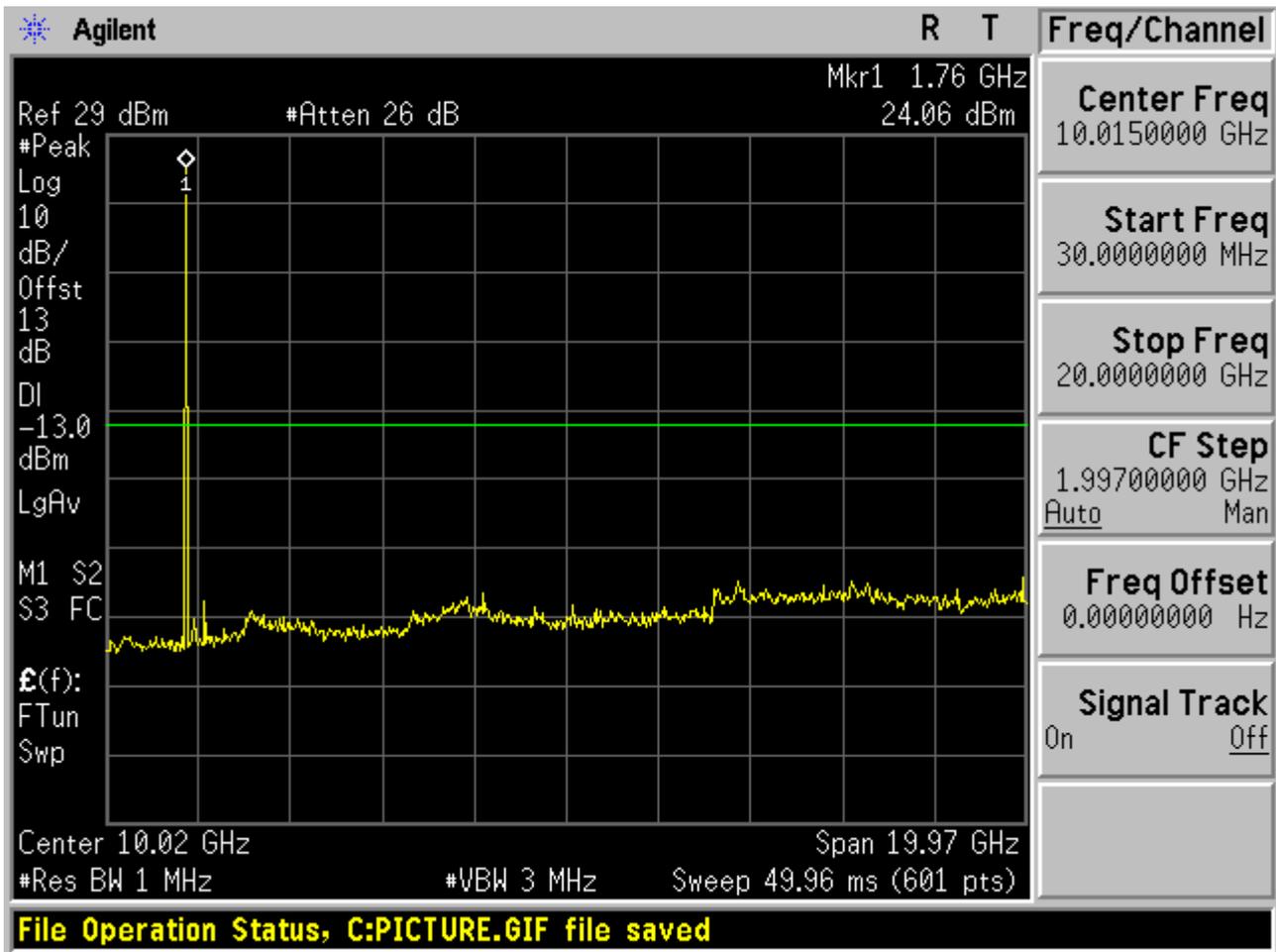


2.2.2.3 Channel = T

2.2.2.3.1 16QAM/1RBs /RB #0





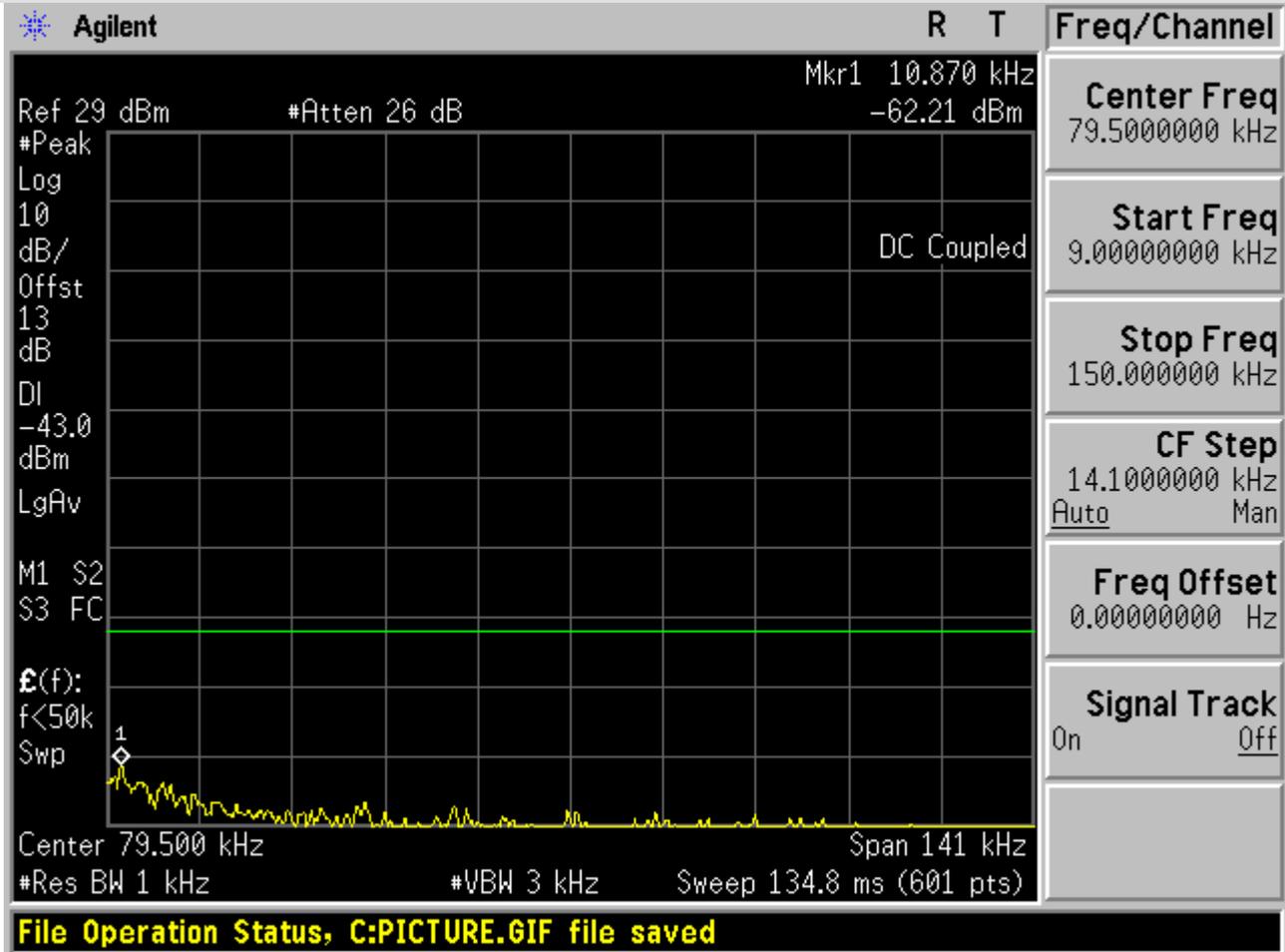


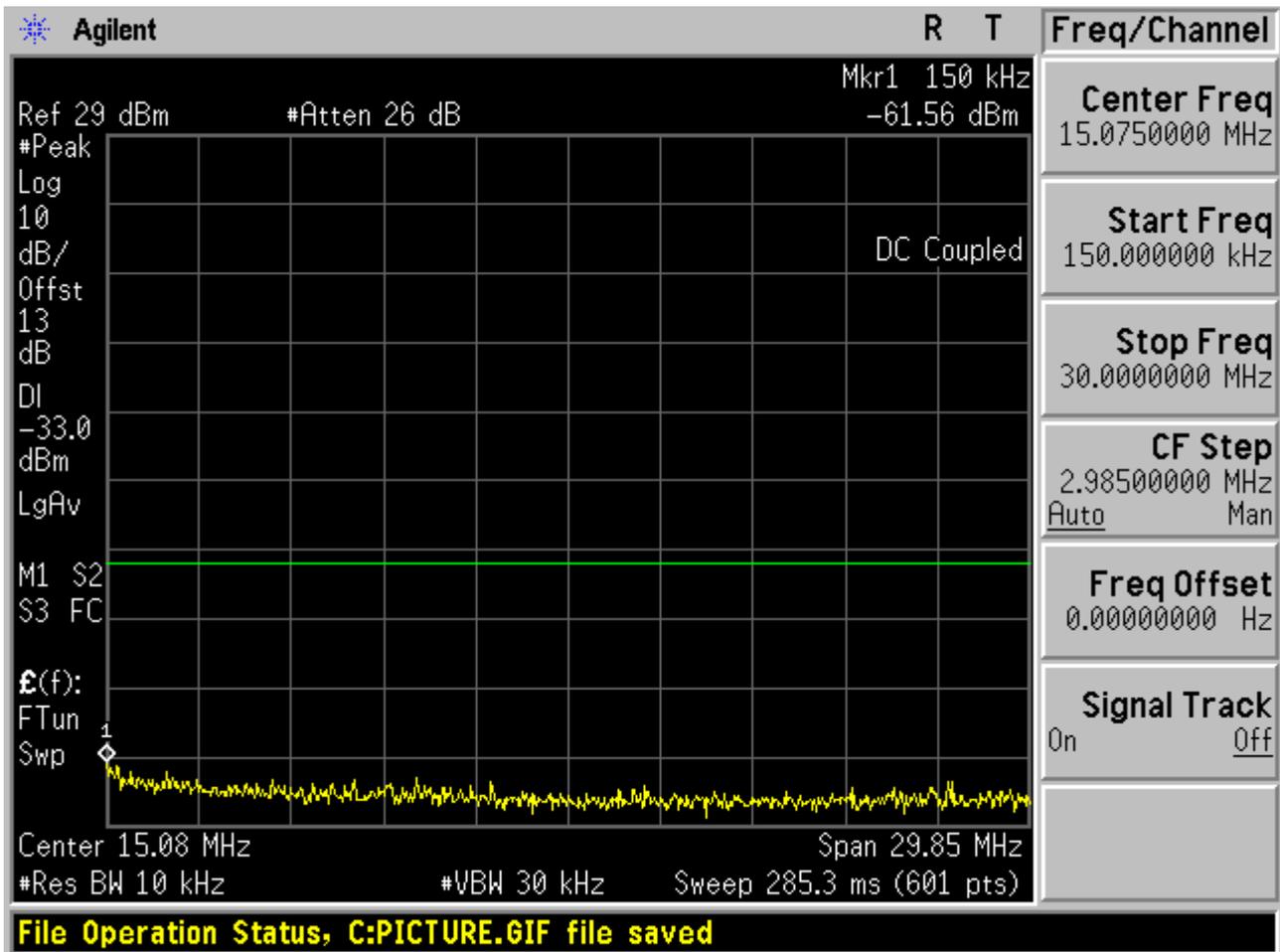


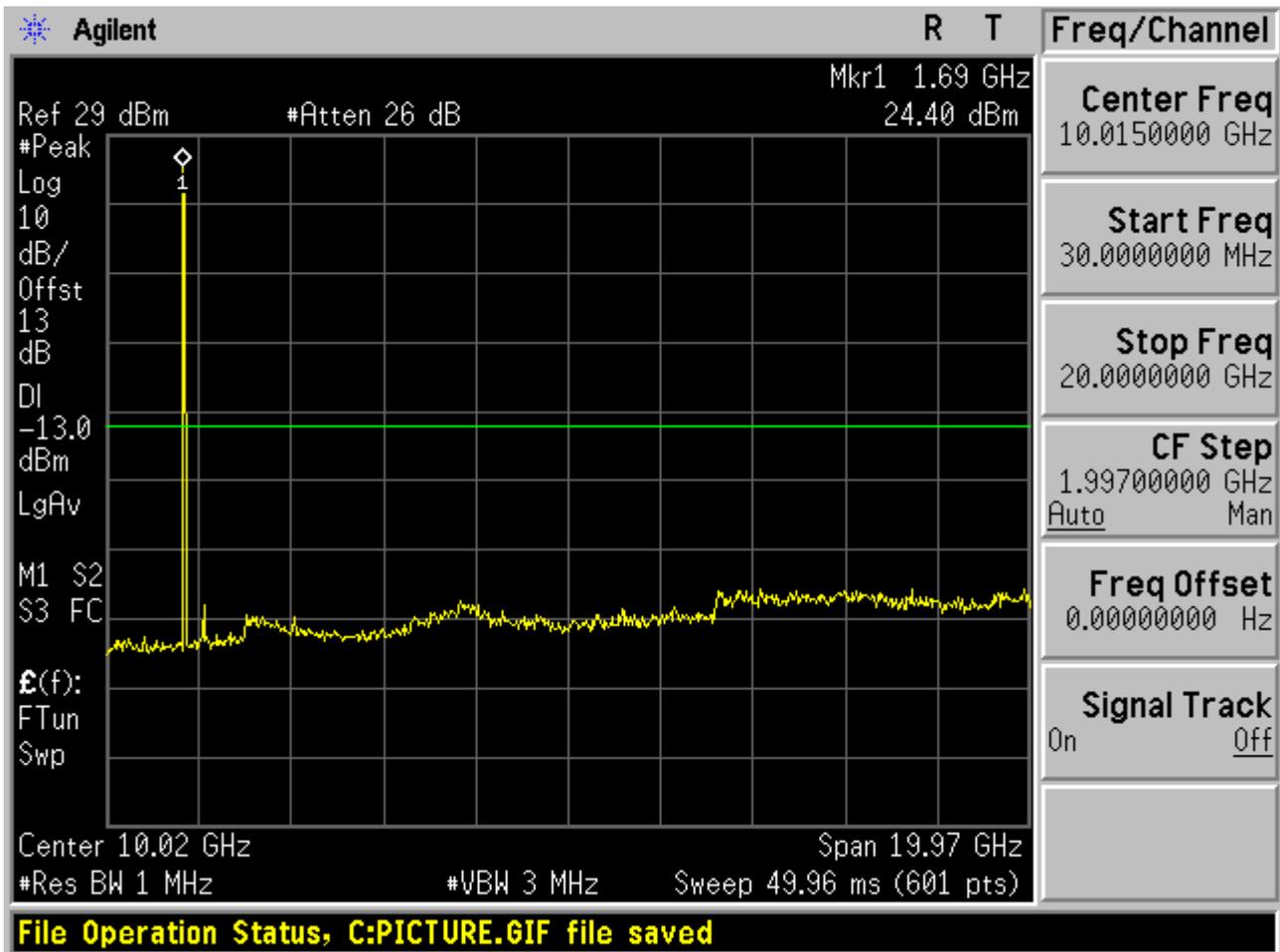
2.2.3 Channel Bandwidth = 5 MHz

2.2.3.1 Channel = B

2.2.3.1.1 16QAM/1RBs /RB #0



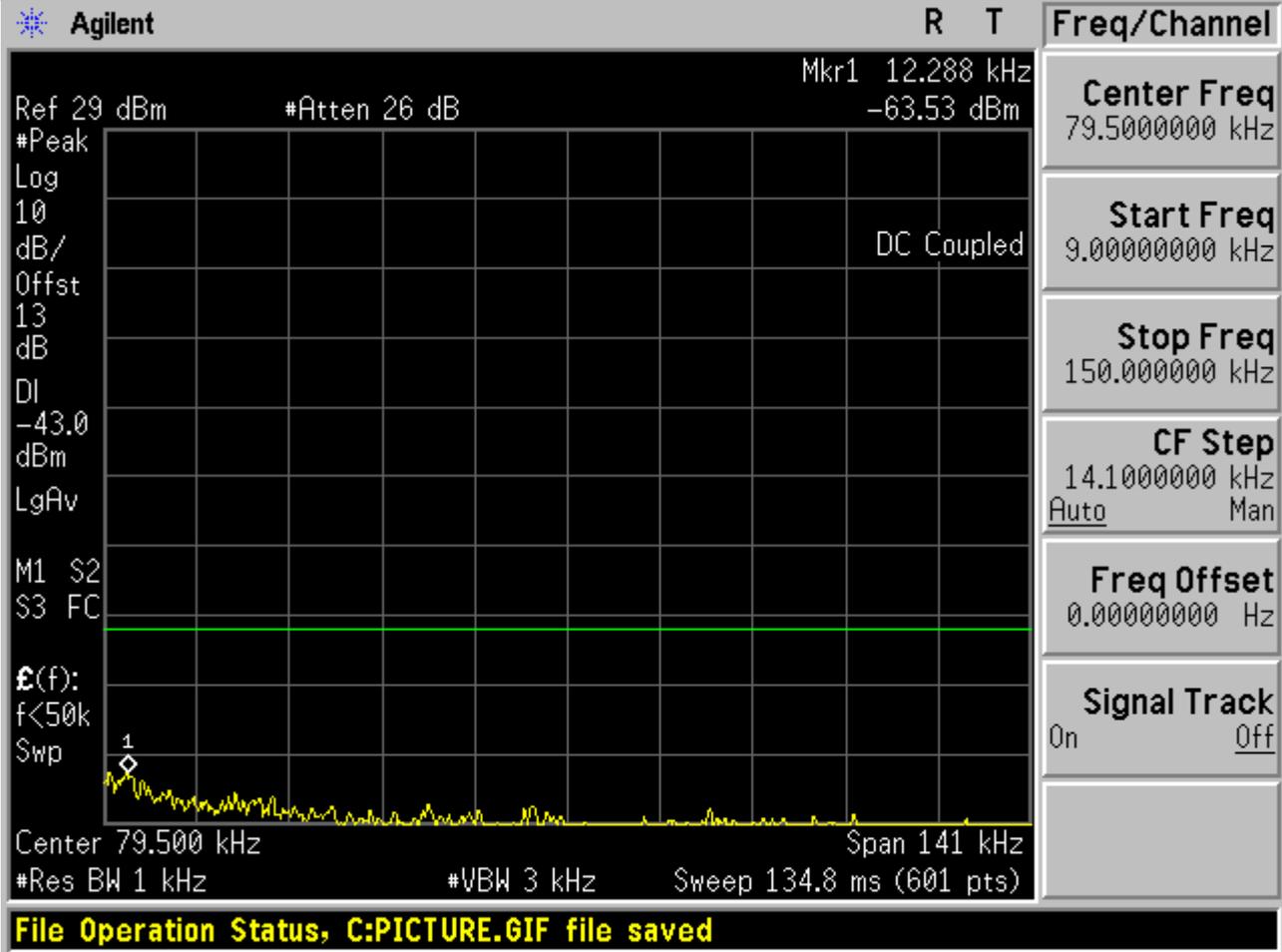


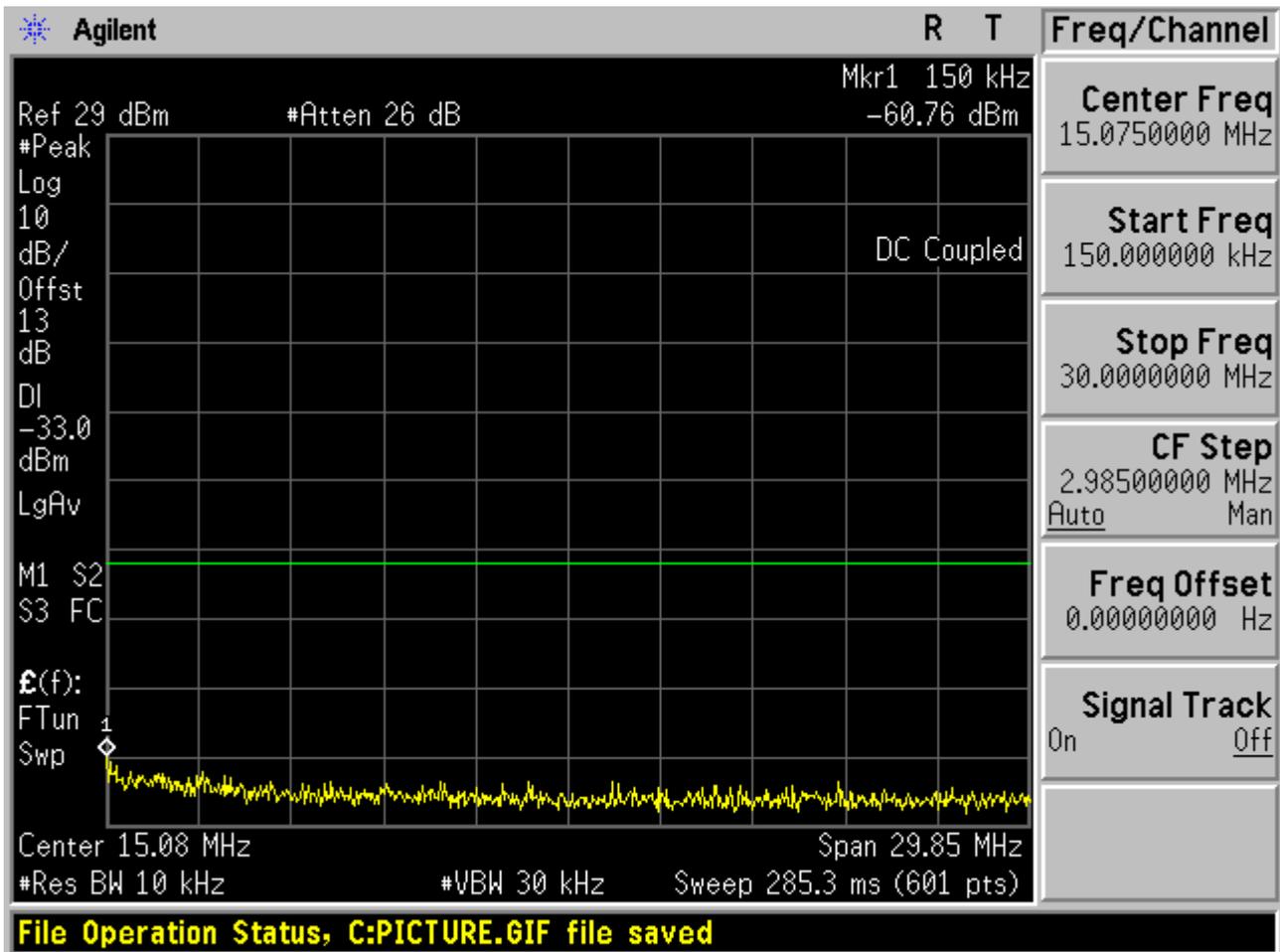


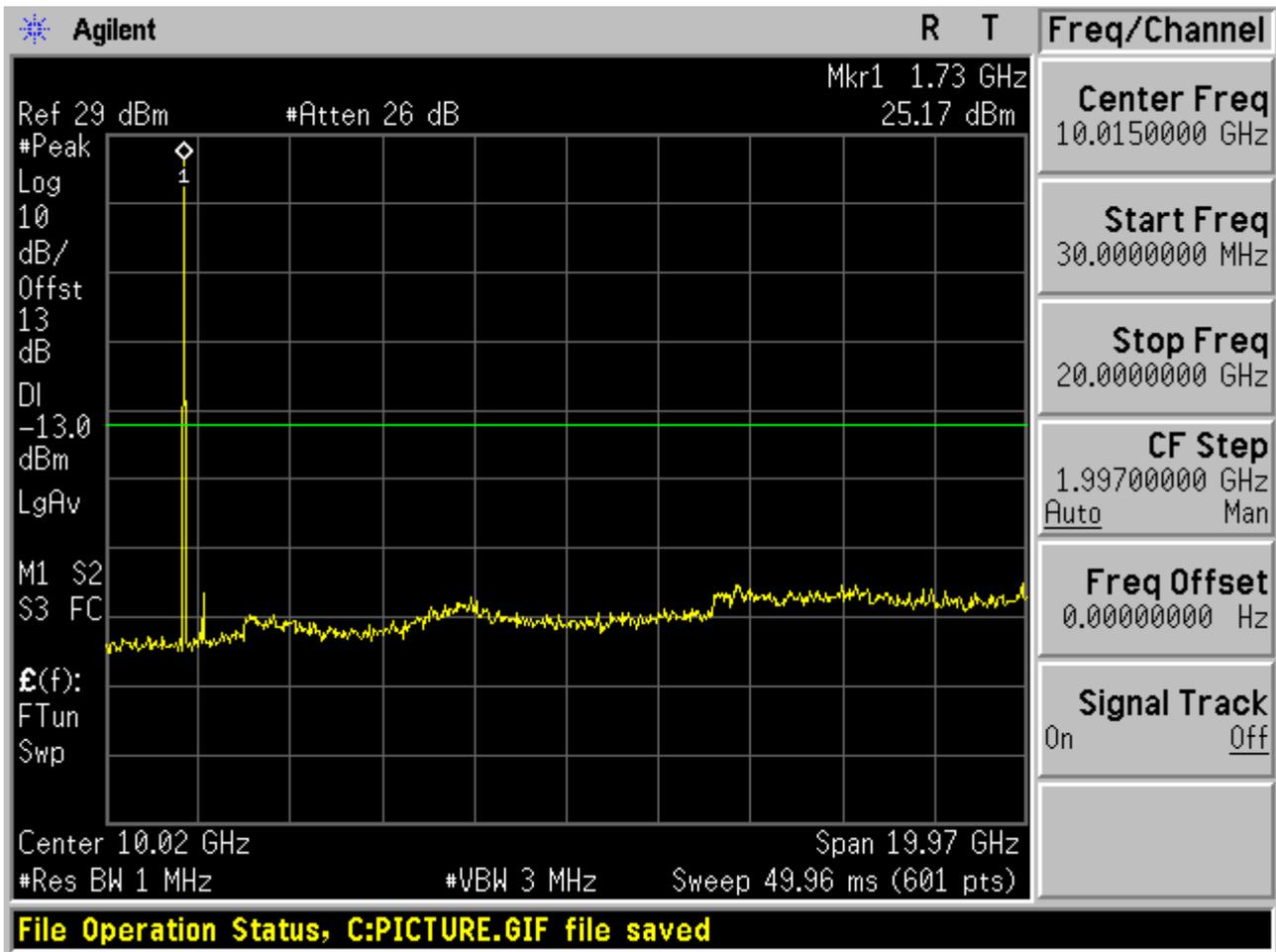


2.2.3.2 Channel = M

2.2.3.2.1 16QAM/1RBs /RB #0



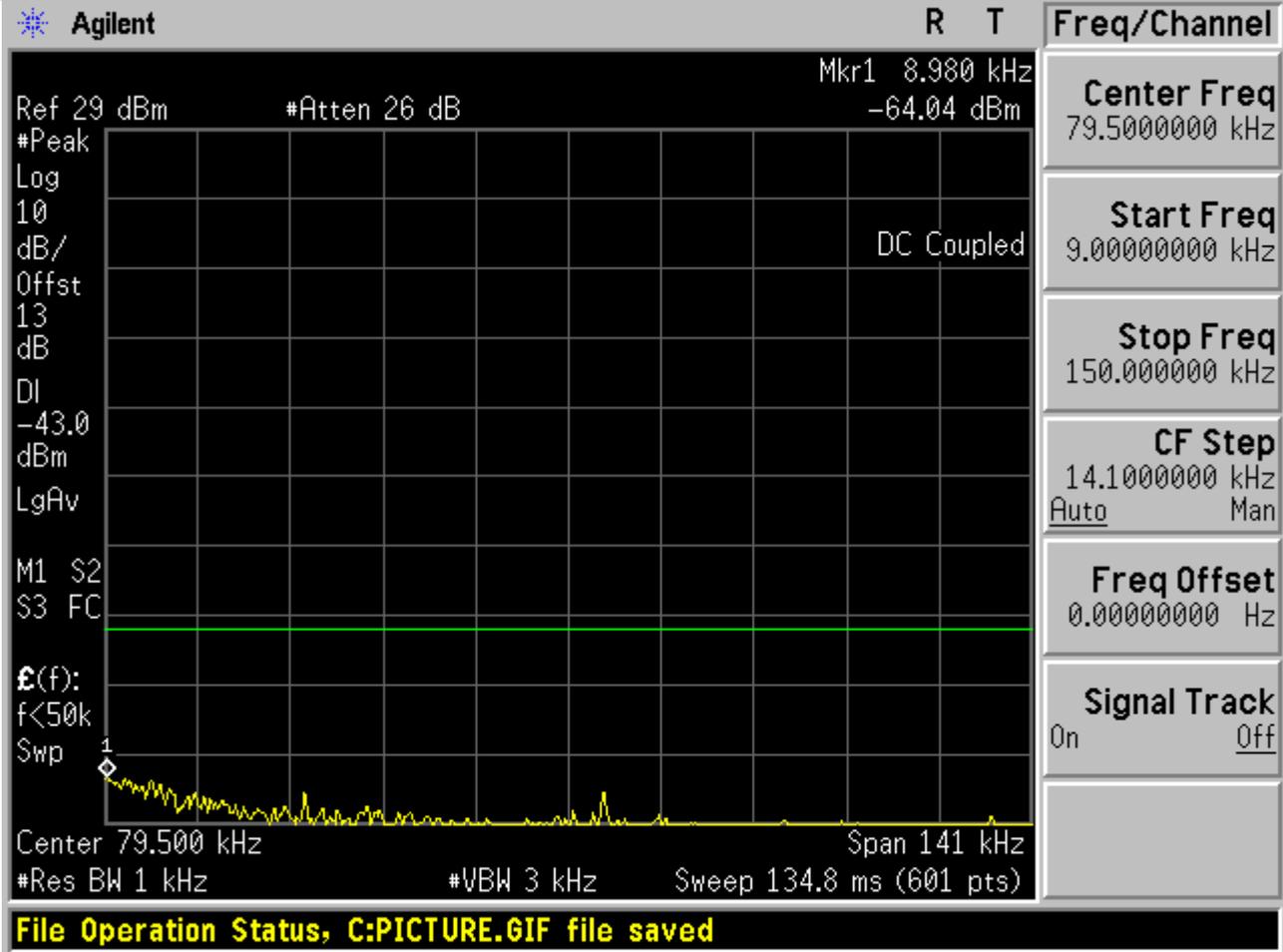


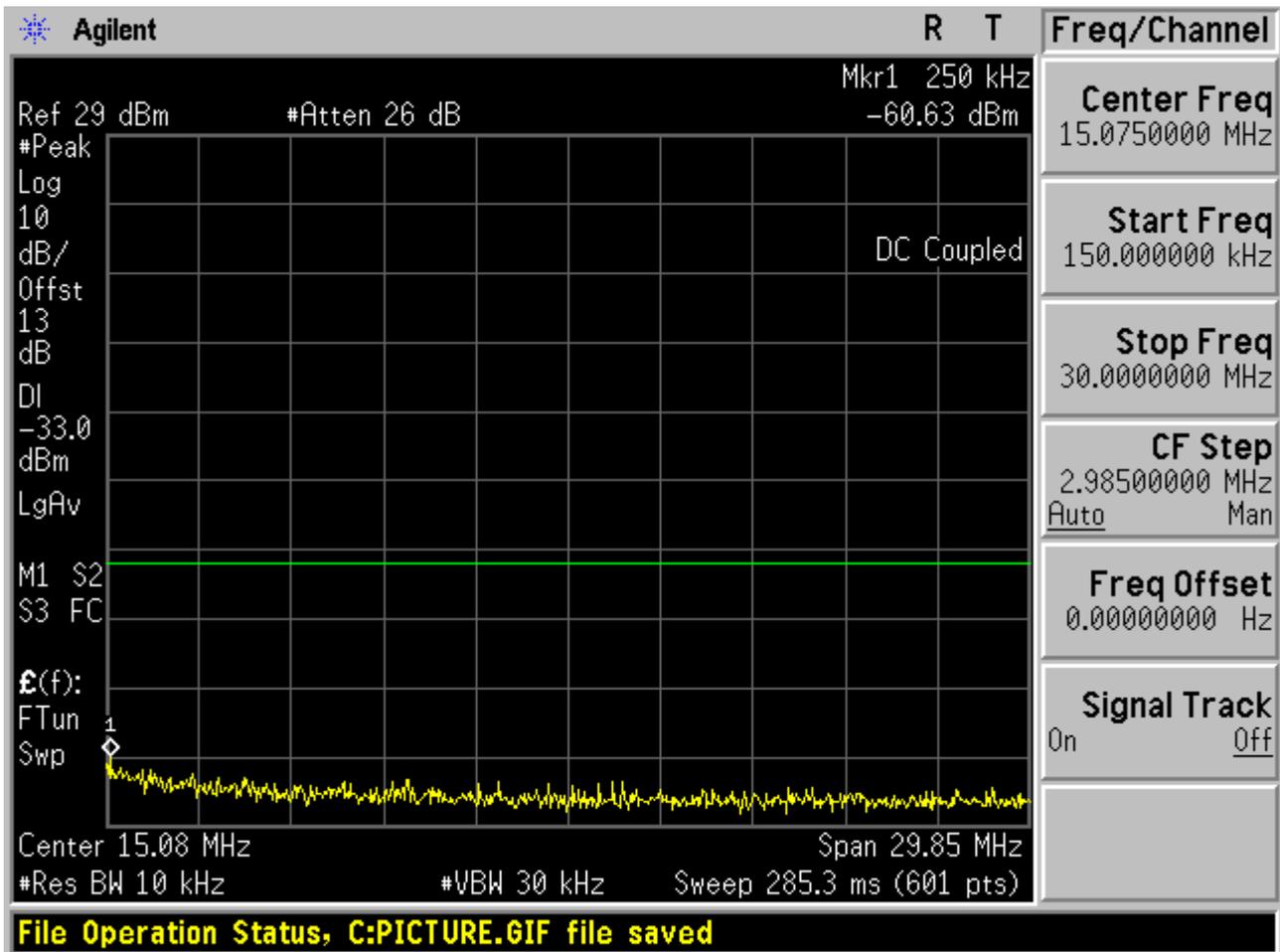


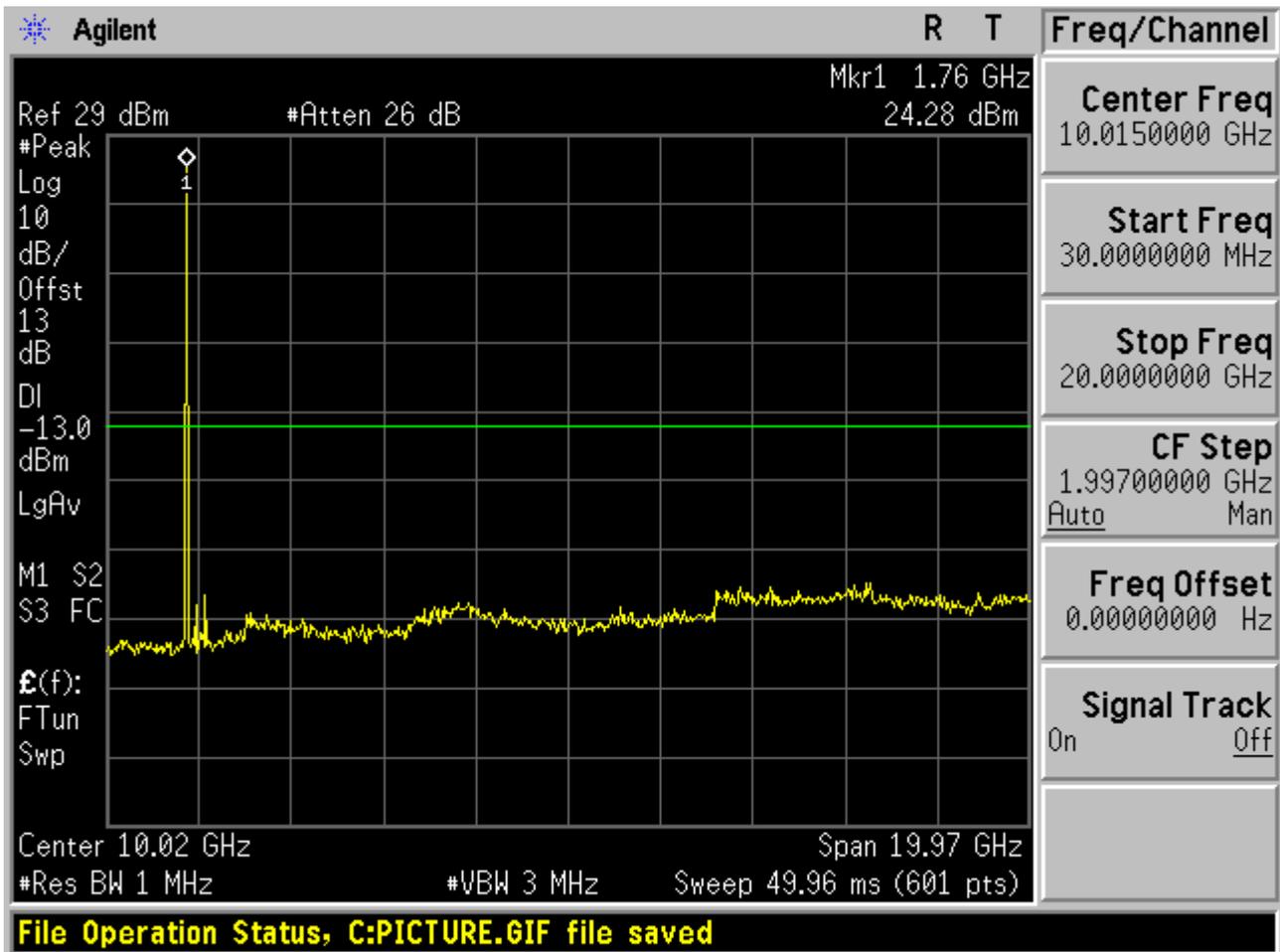


2.2.3.3 Channel = T

2.2.3.3.1 16QAM/1RBs /RB #0





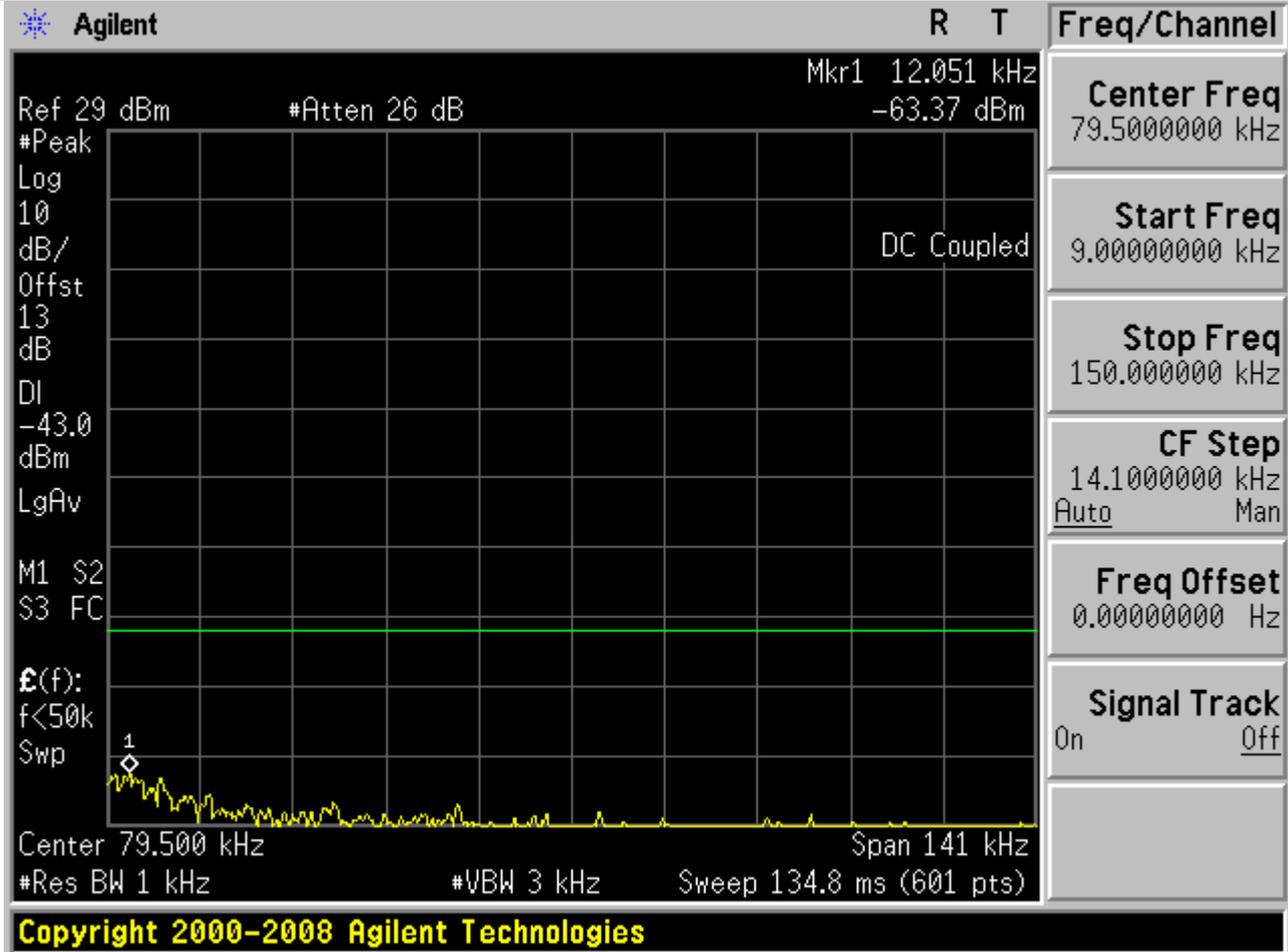


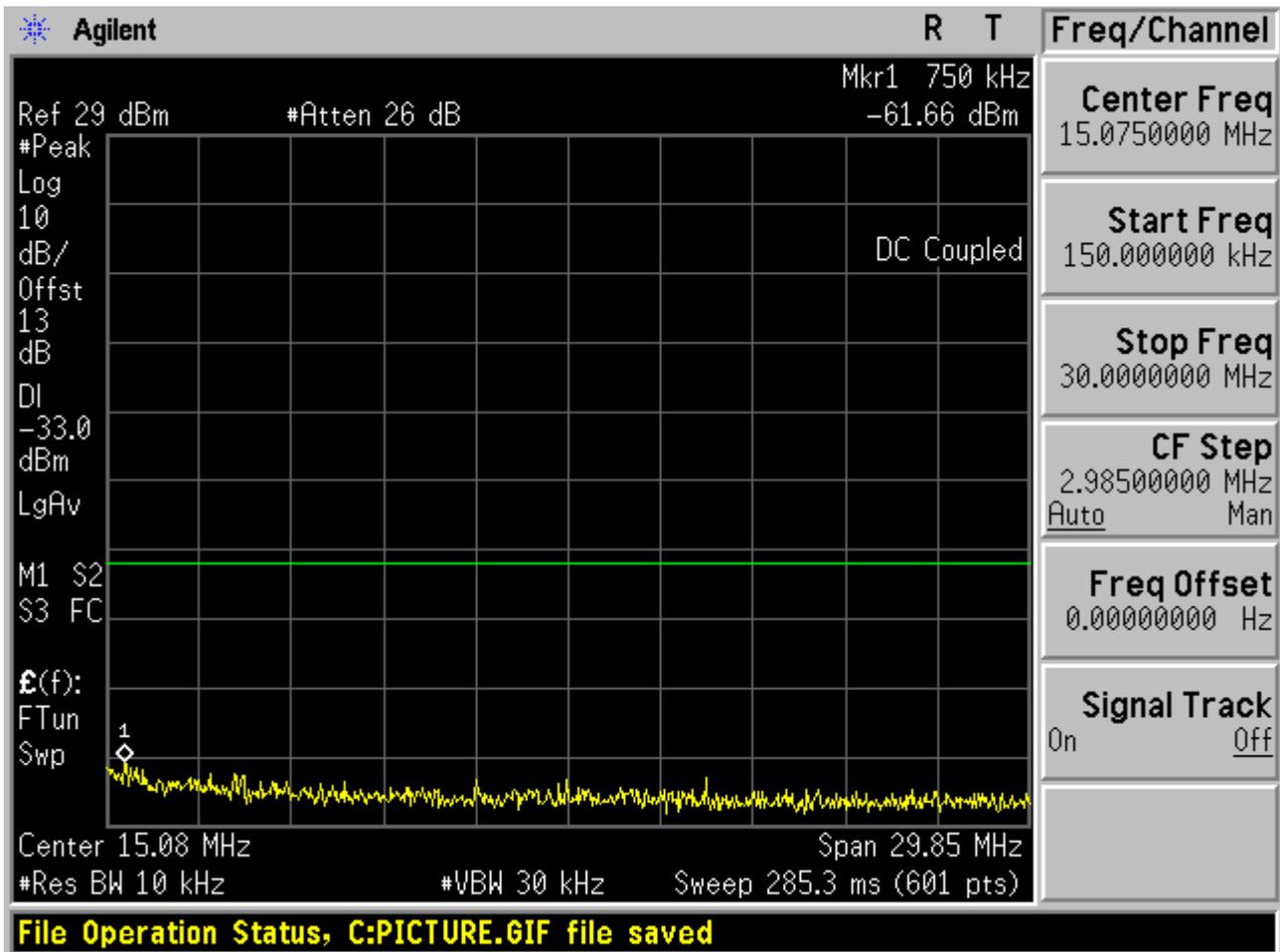


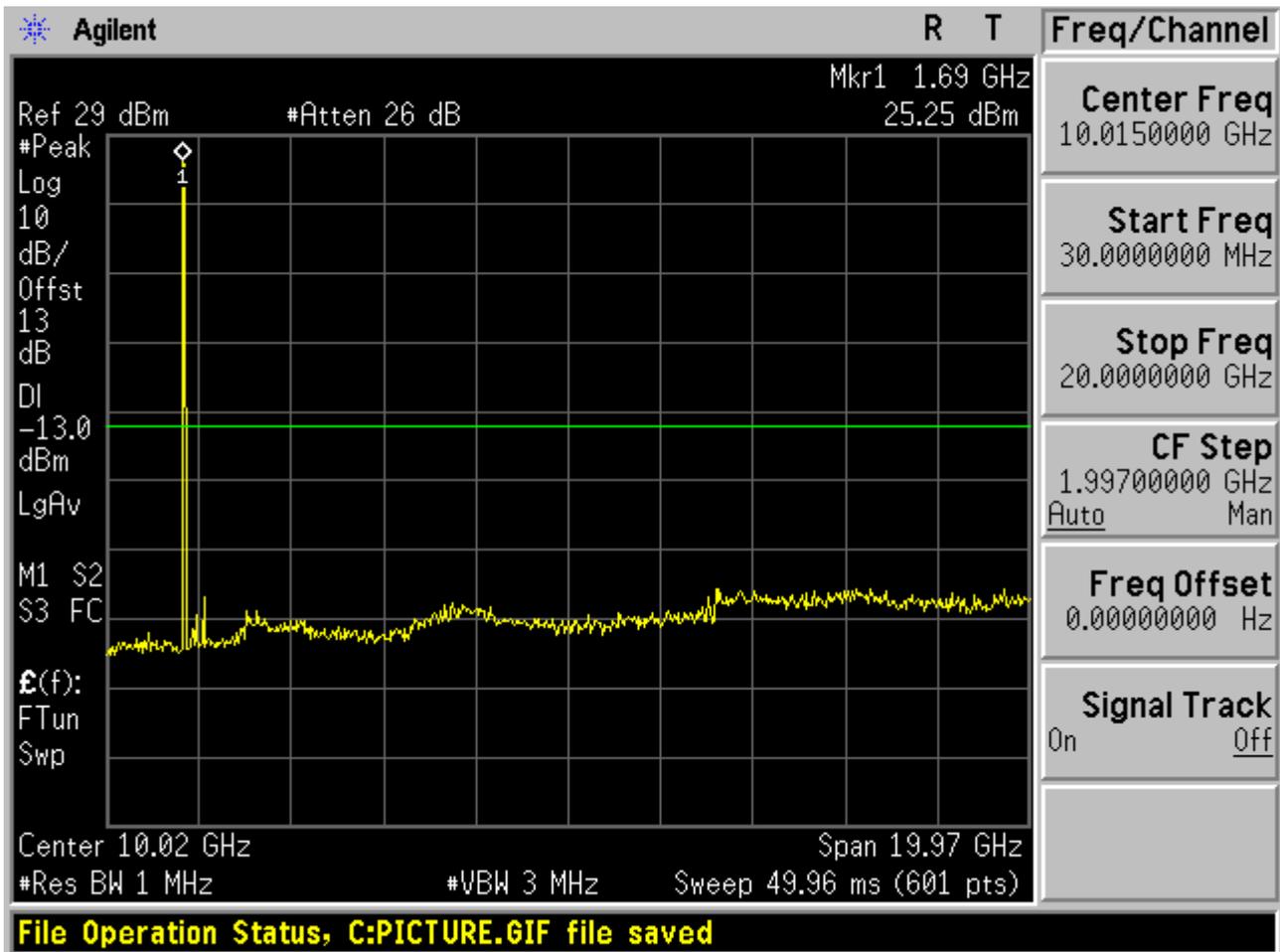
2.2.4 Channel Bandwidth = 10 MHz

2.2.4.1 Channel = B

2.2.4.1.1 16QAM/1RBs /RB #0



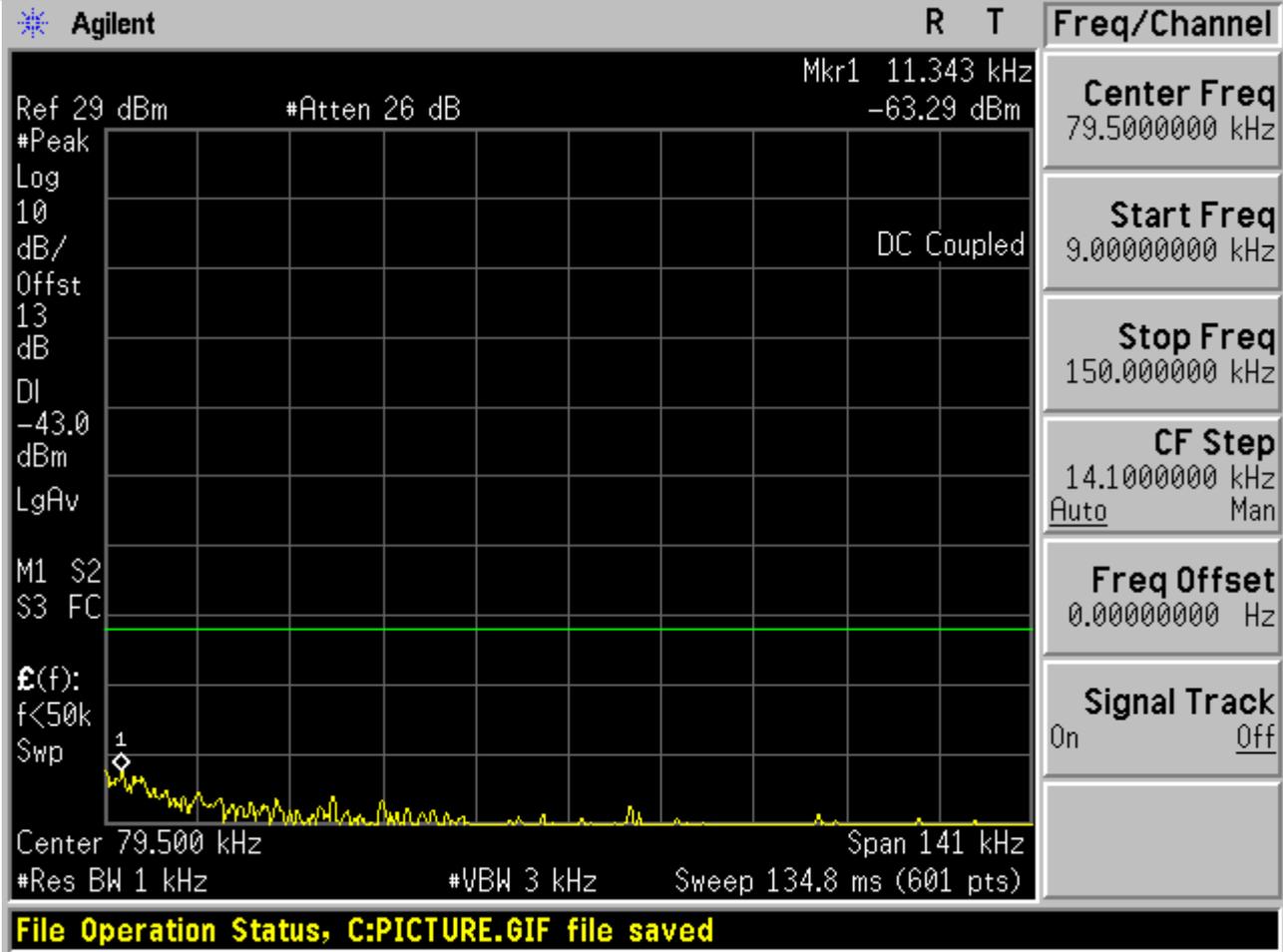


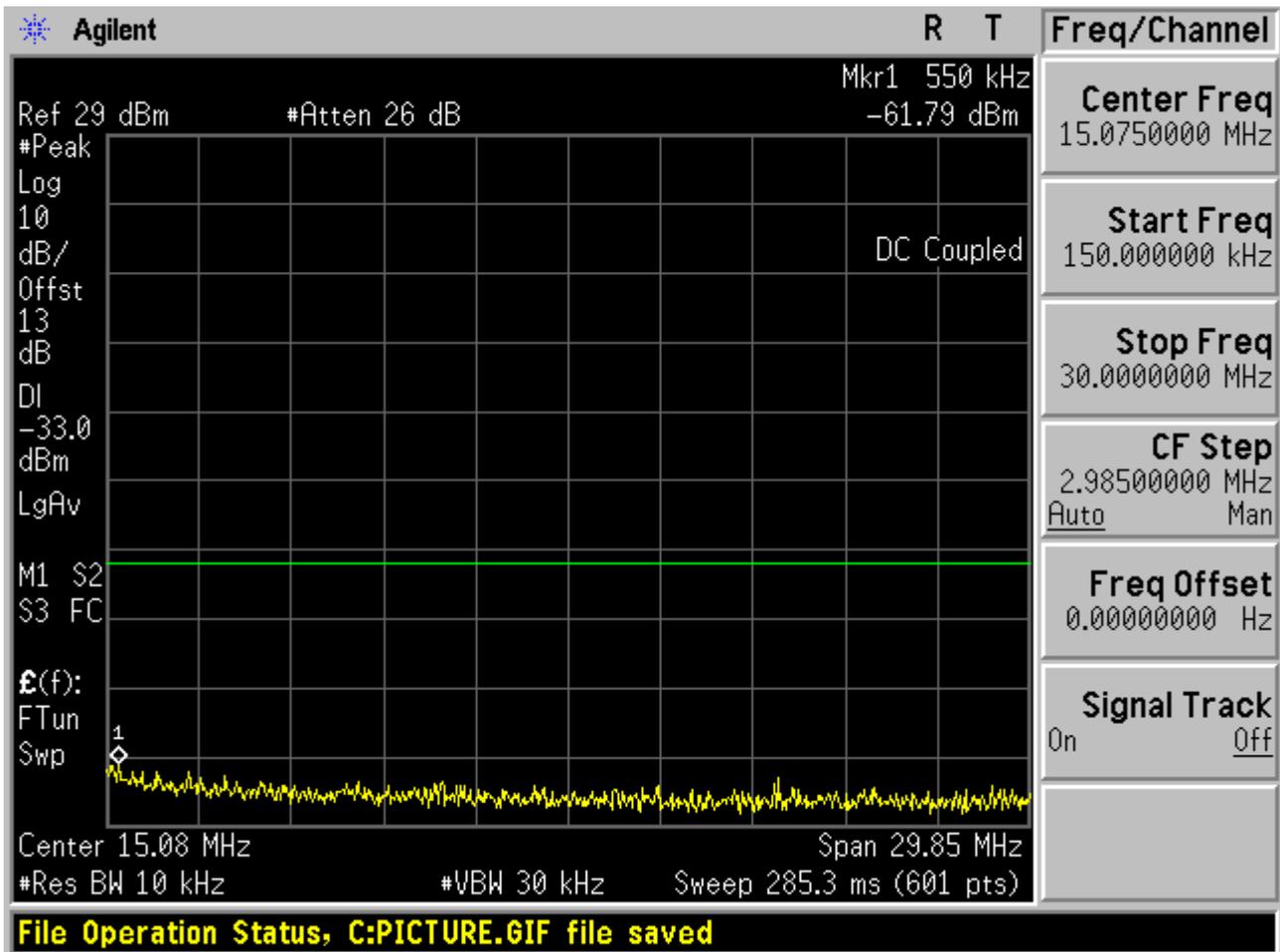


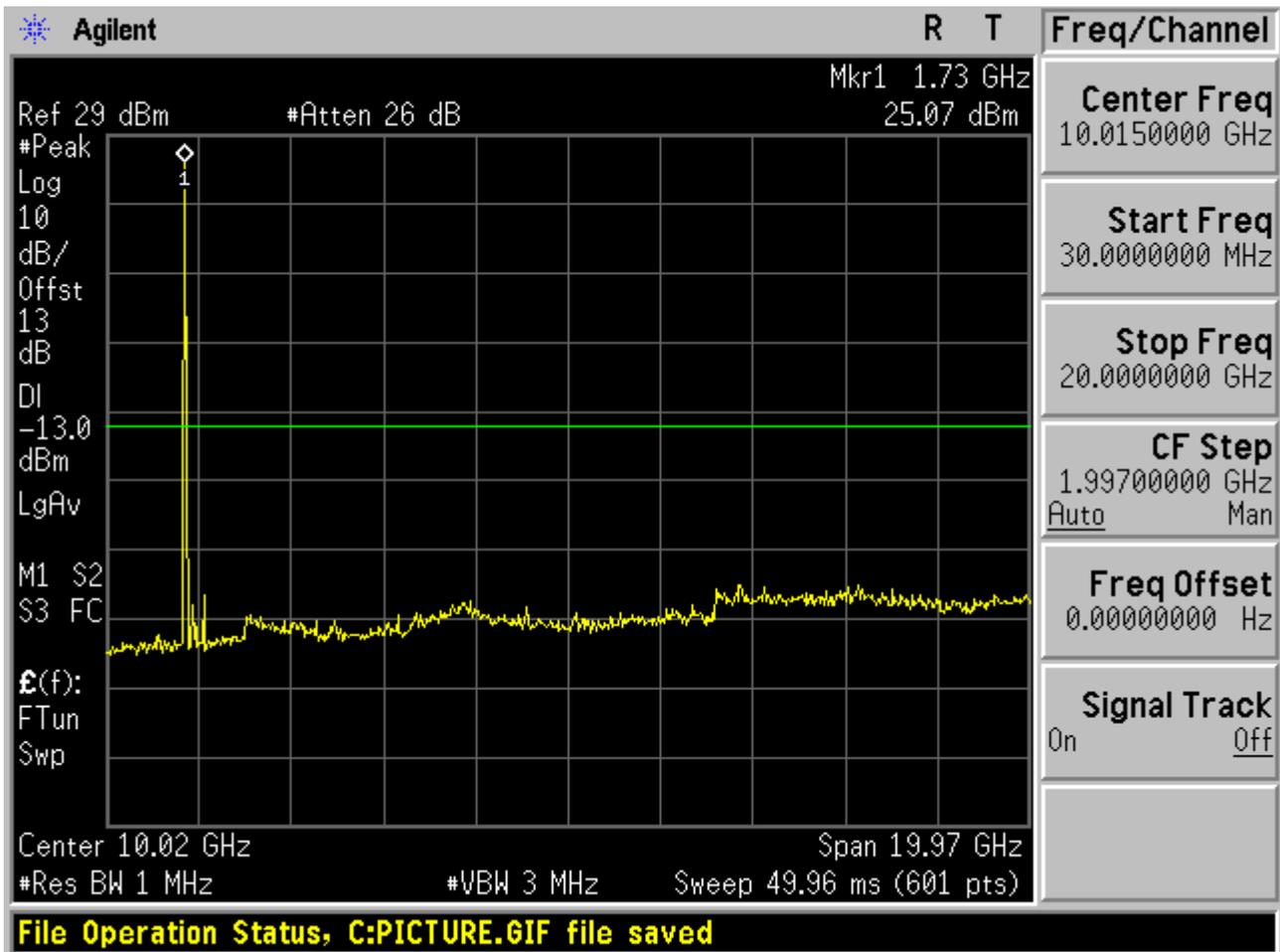


2.2.4.2 Channel = M

2.2.4.2.1 16QAM/1RBs /RB #0



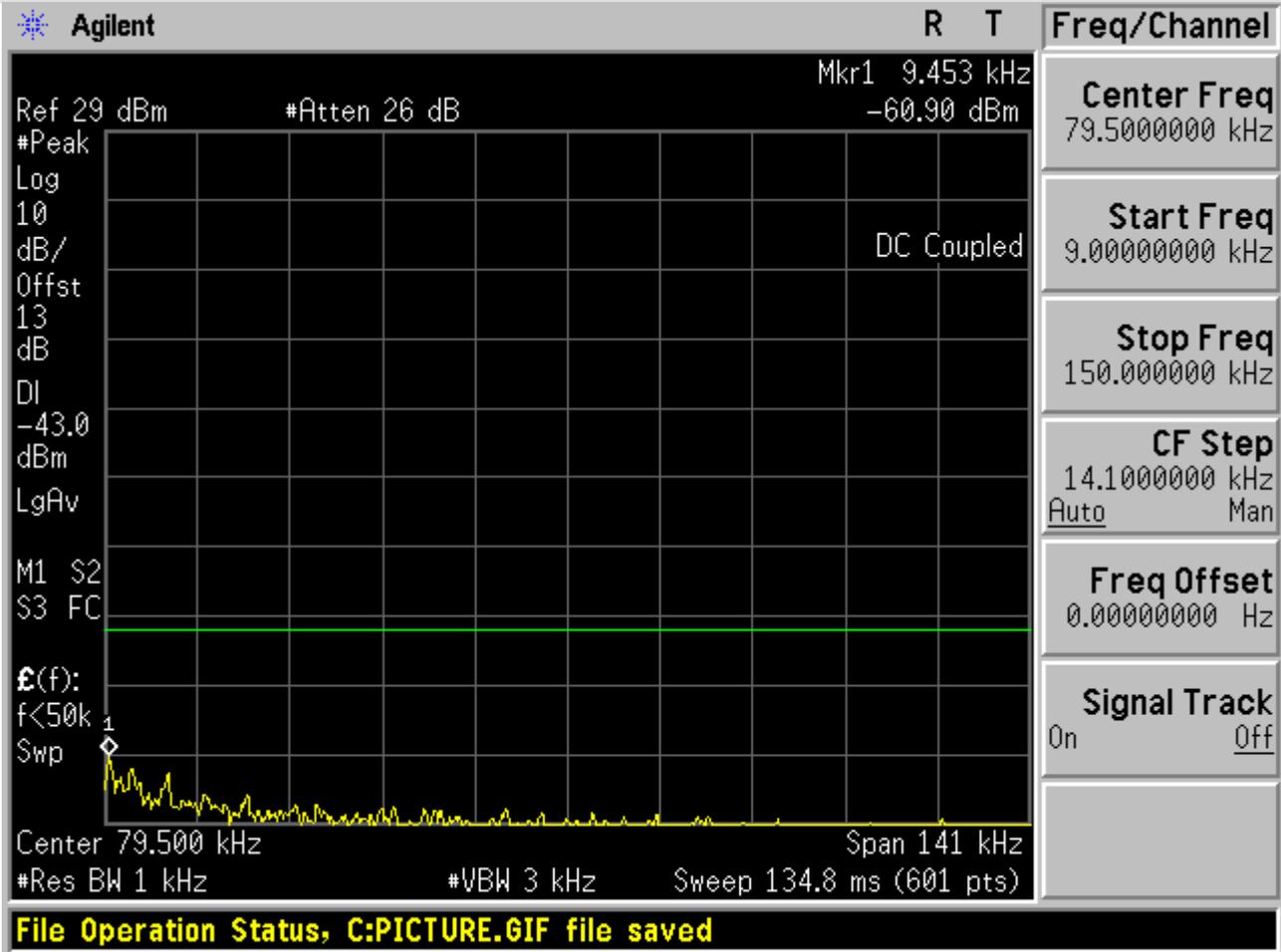


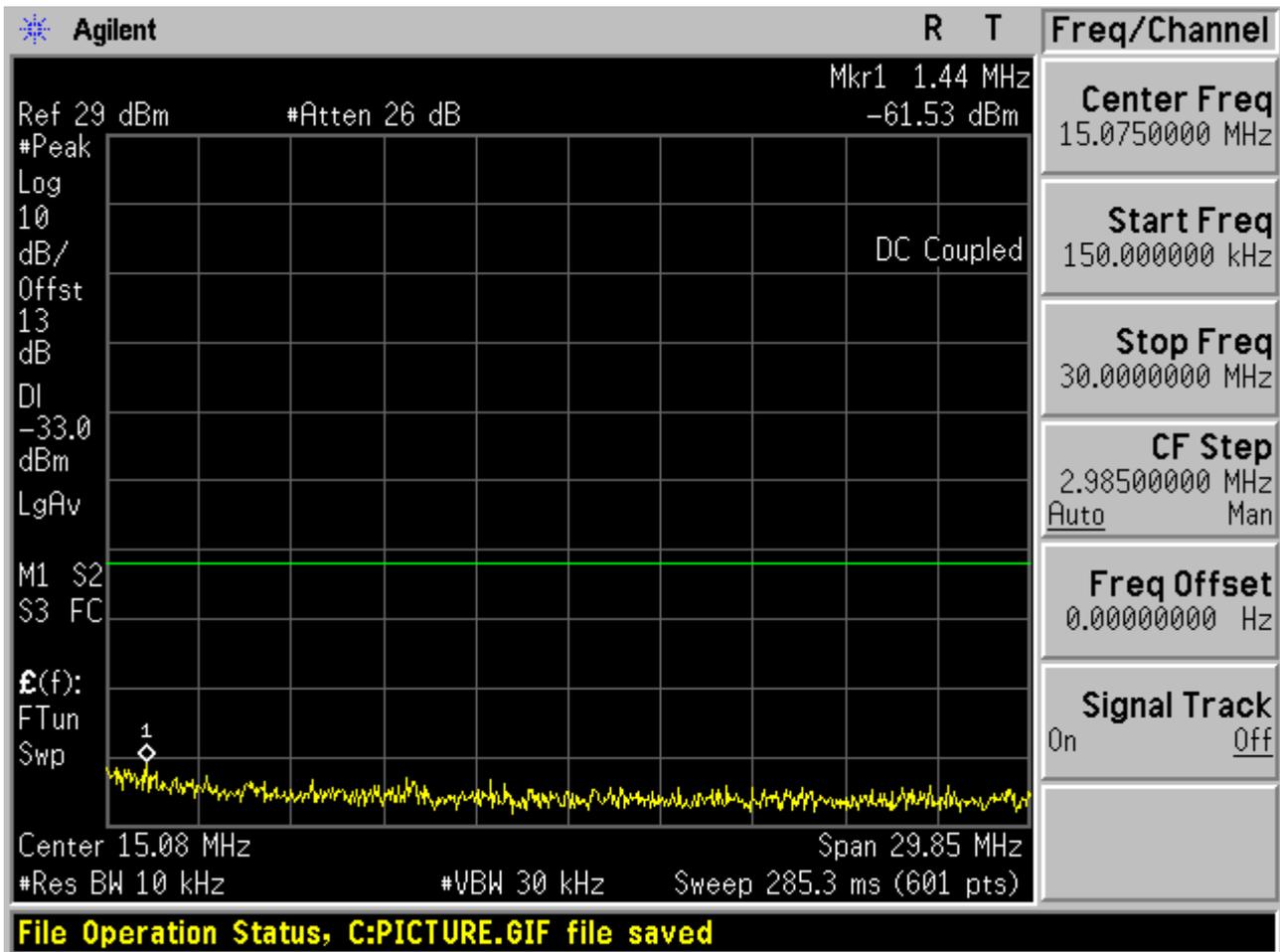


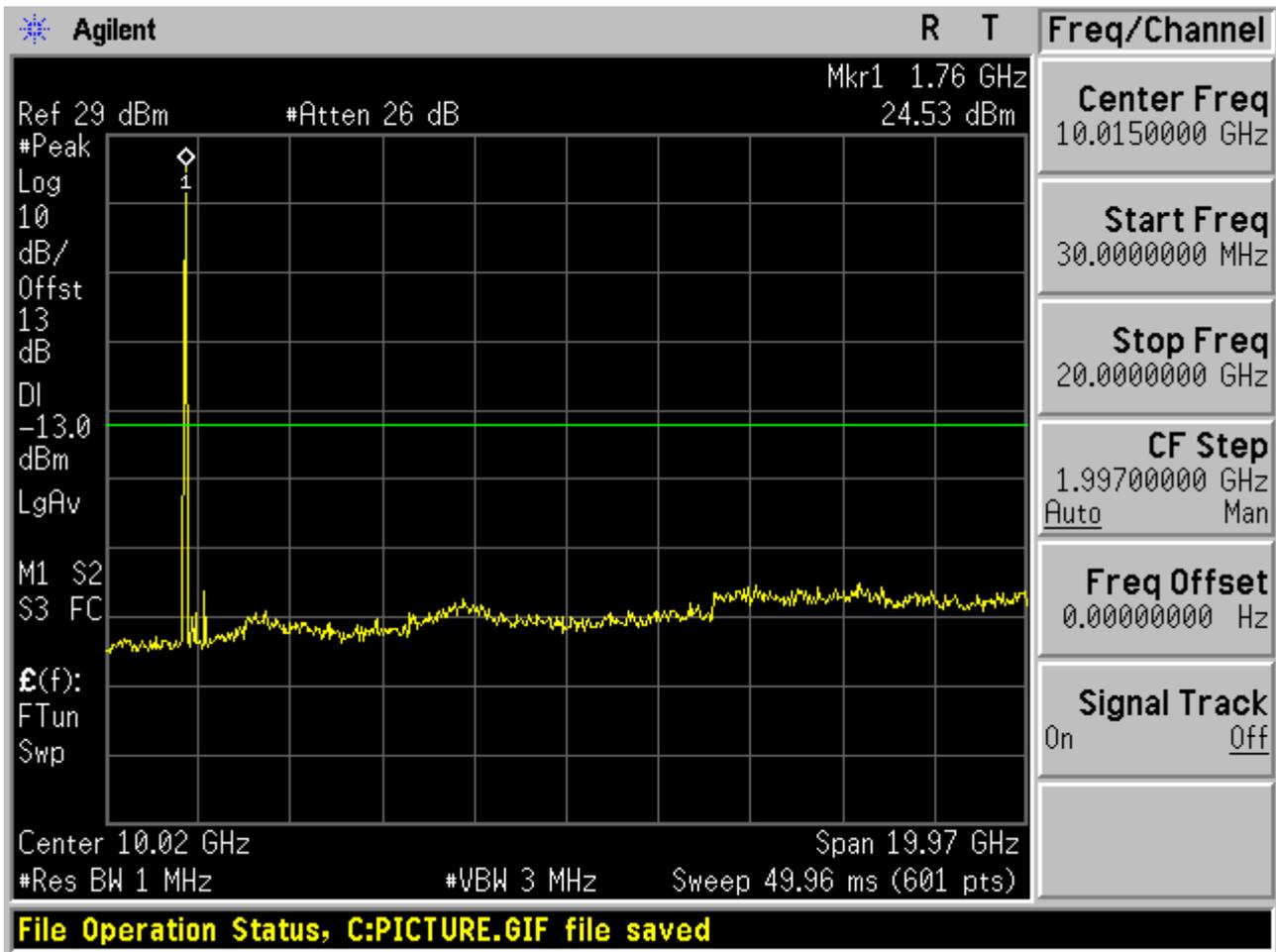


2.2.4.3 Channel = T

2.2.4.3.1 16QAM/1RBs /RB #0





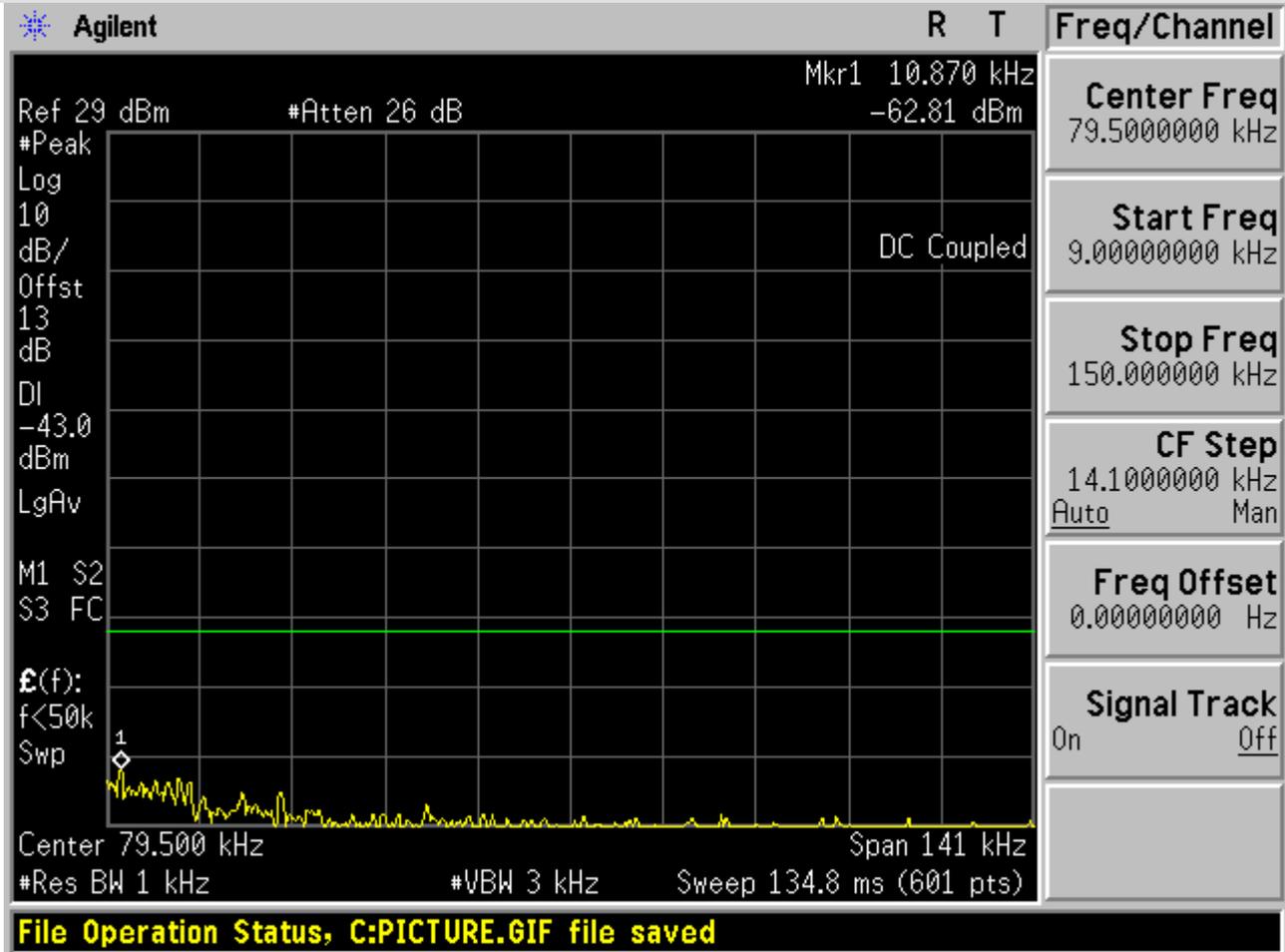


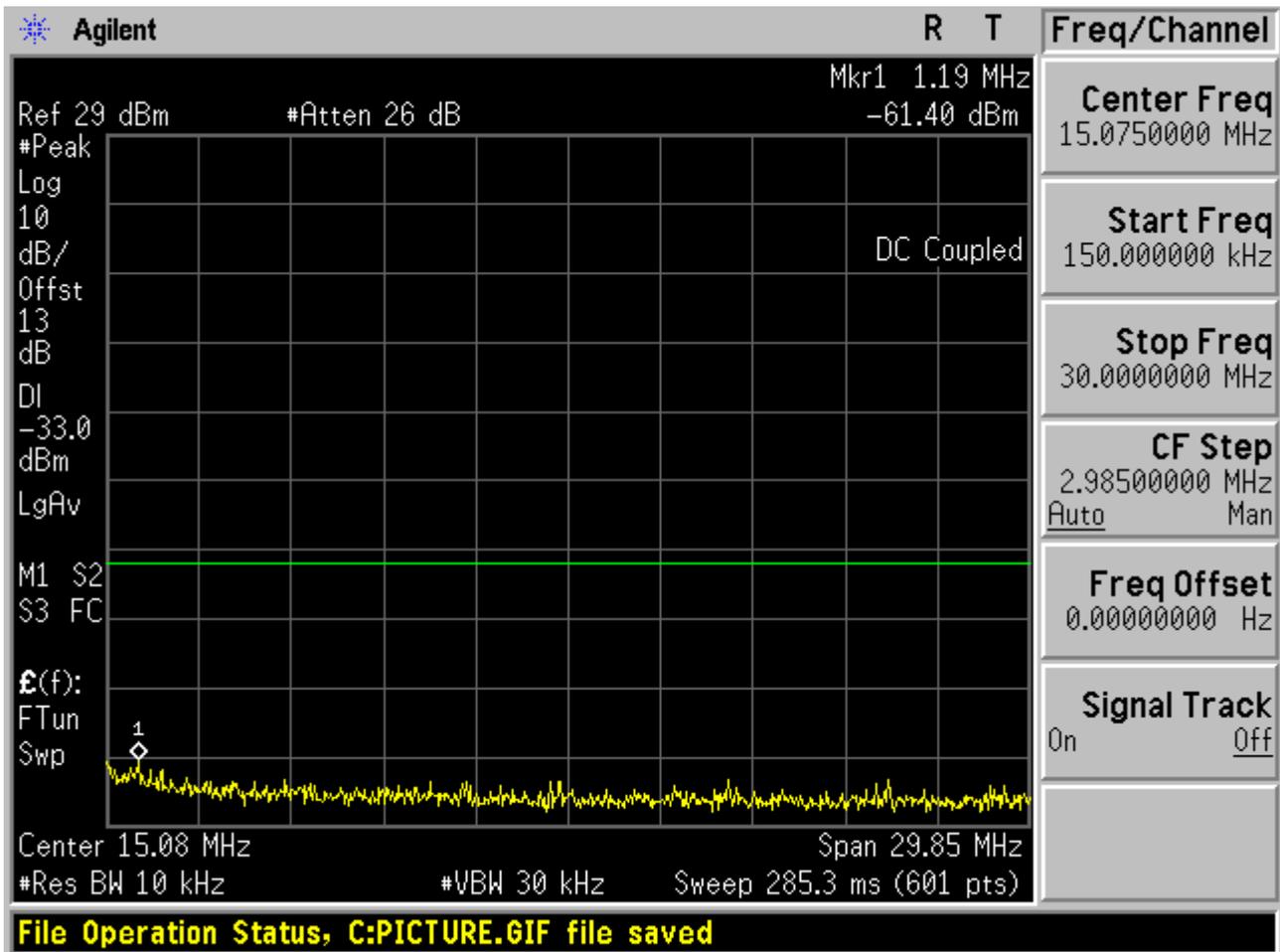


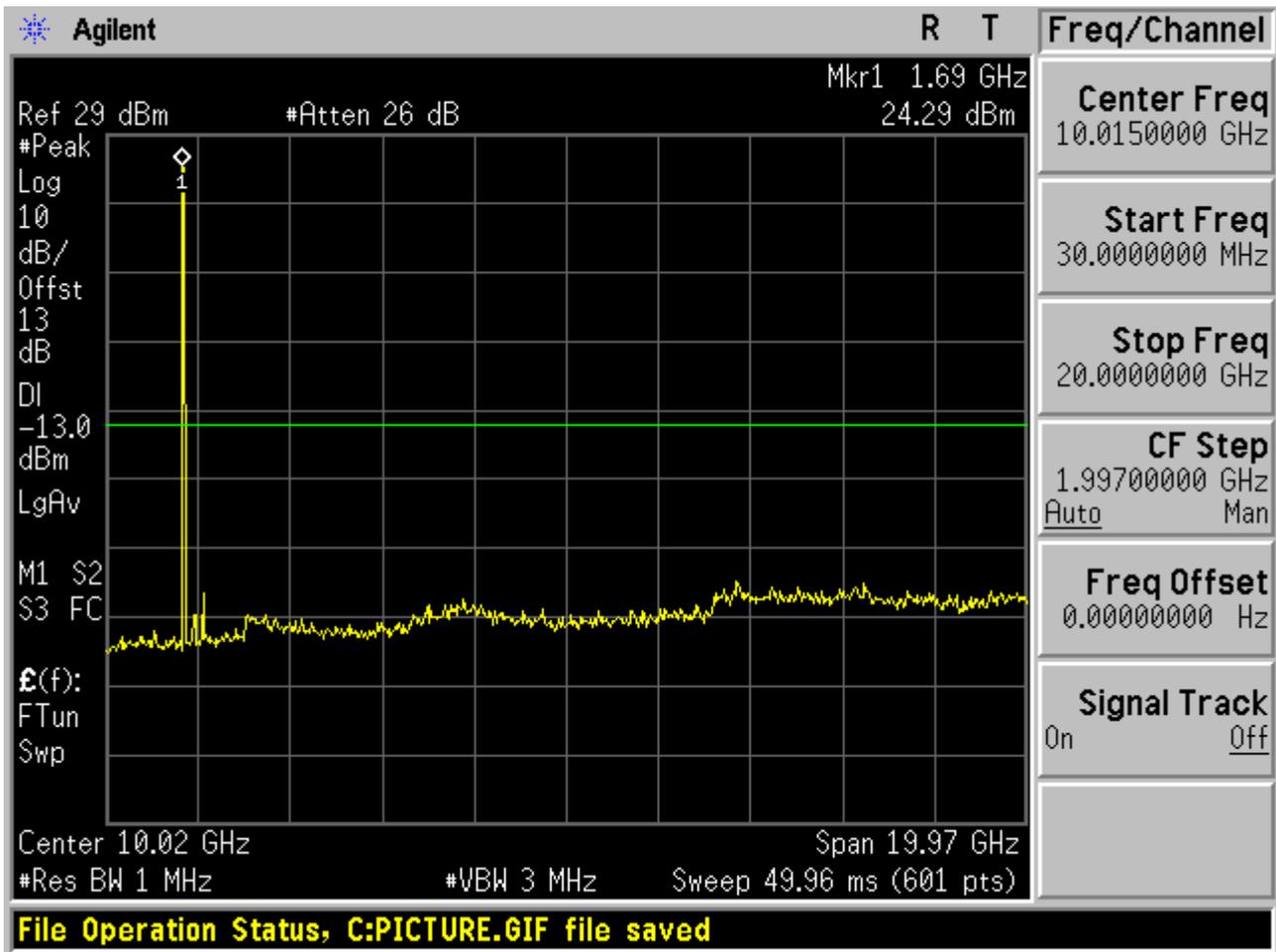
2.2.5 Channel Bandwidth = 15 MHz

2.2.5.1 Channel = B

2.2.5.1.1 16QAM/1RBs /RB #0



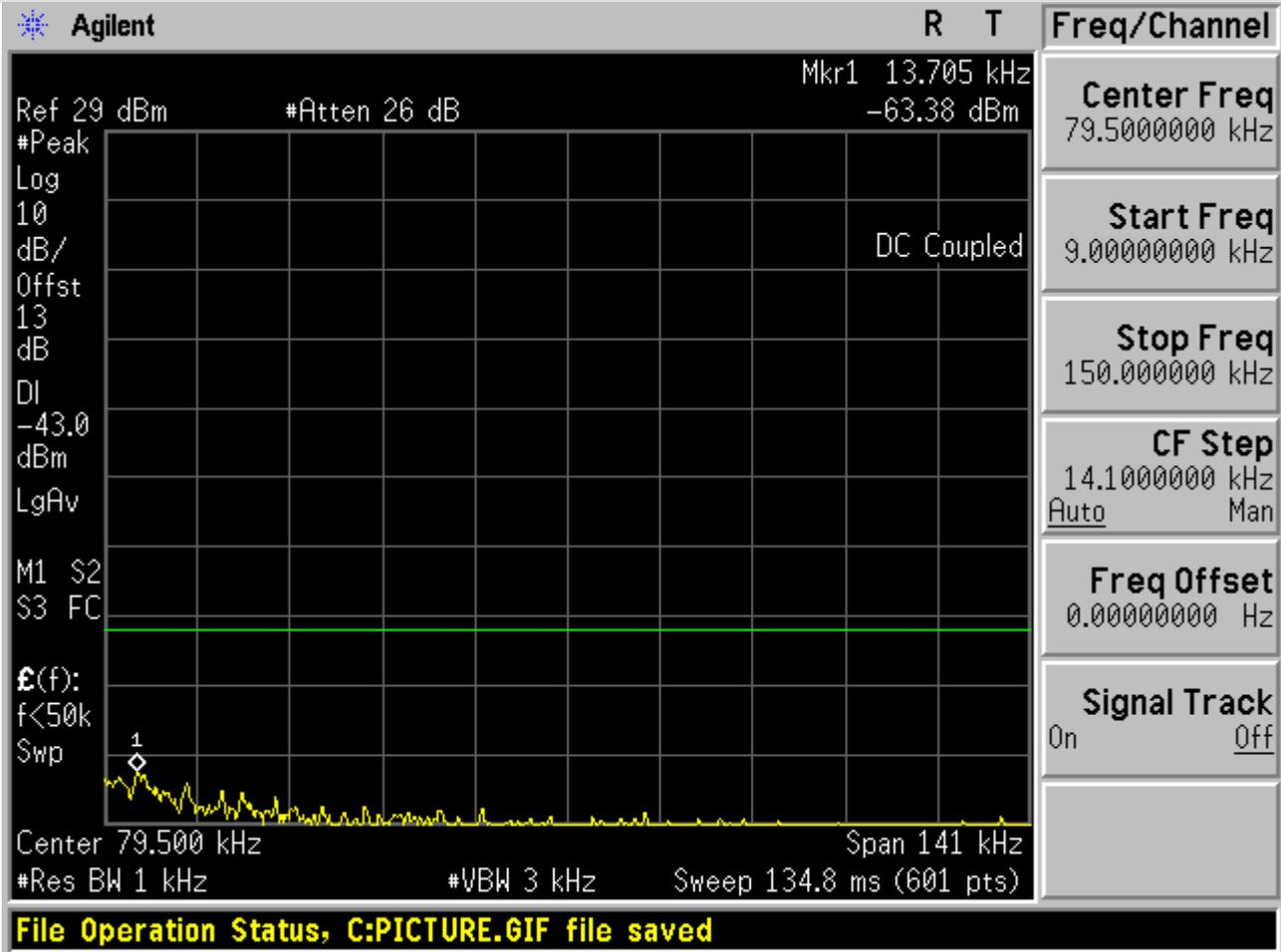


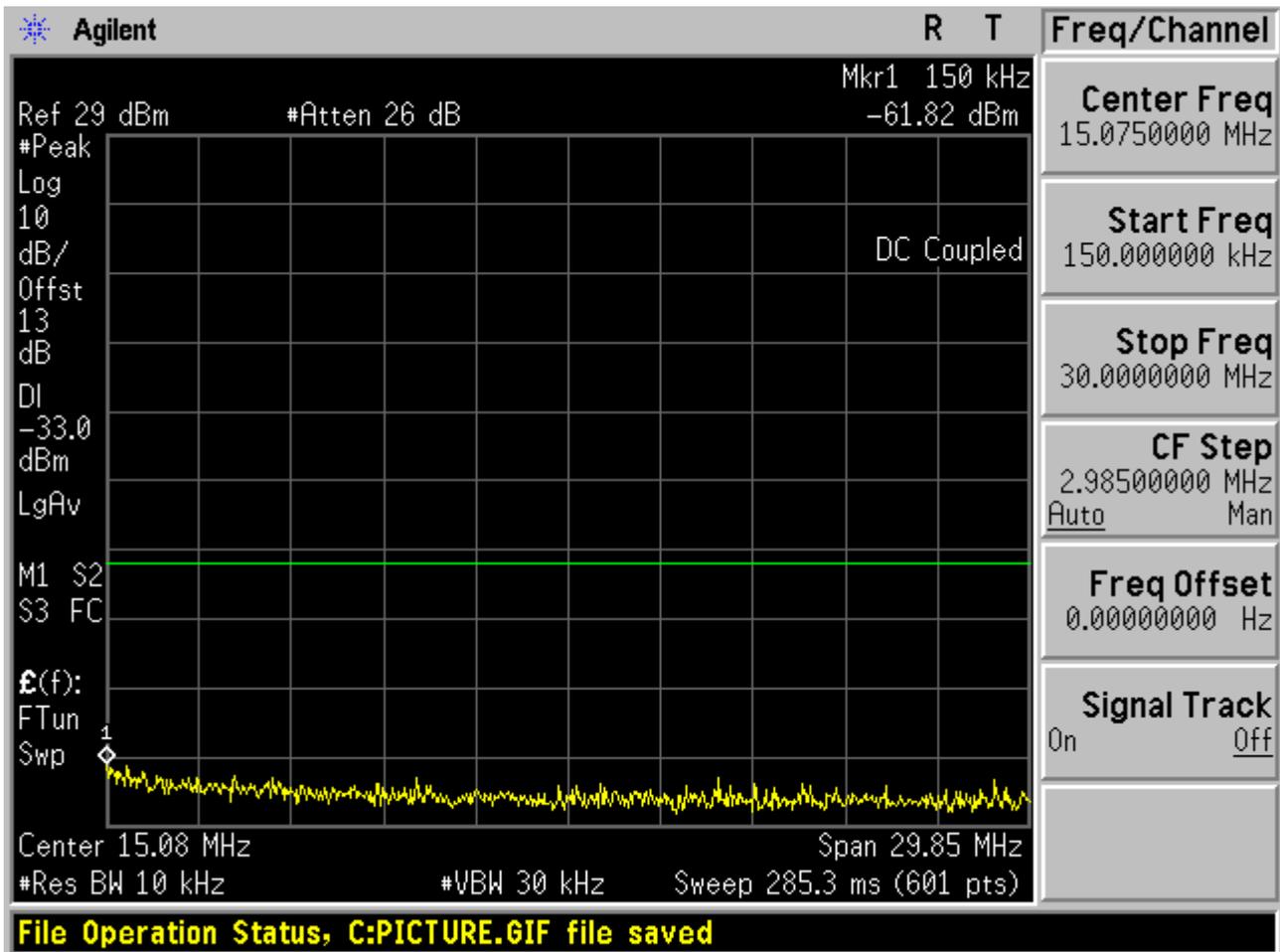


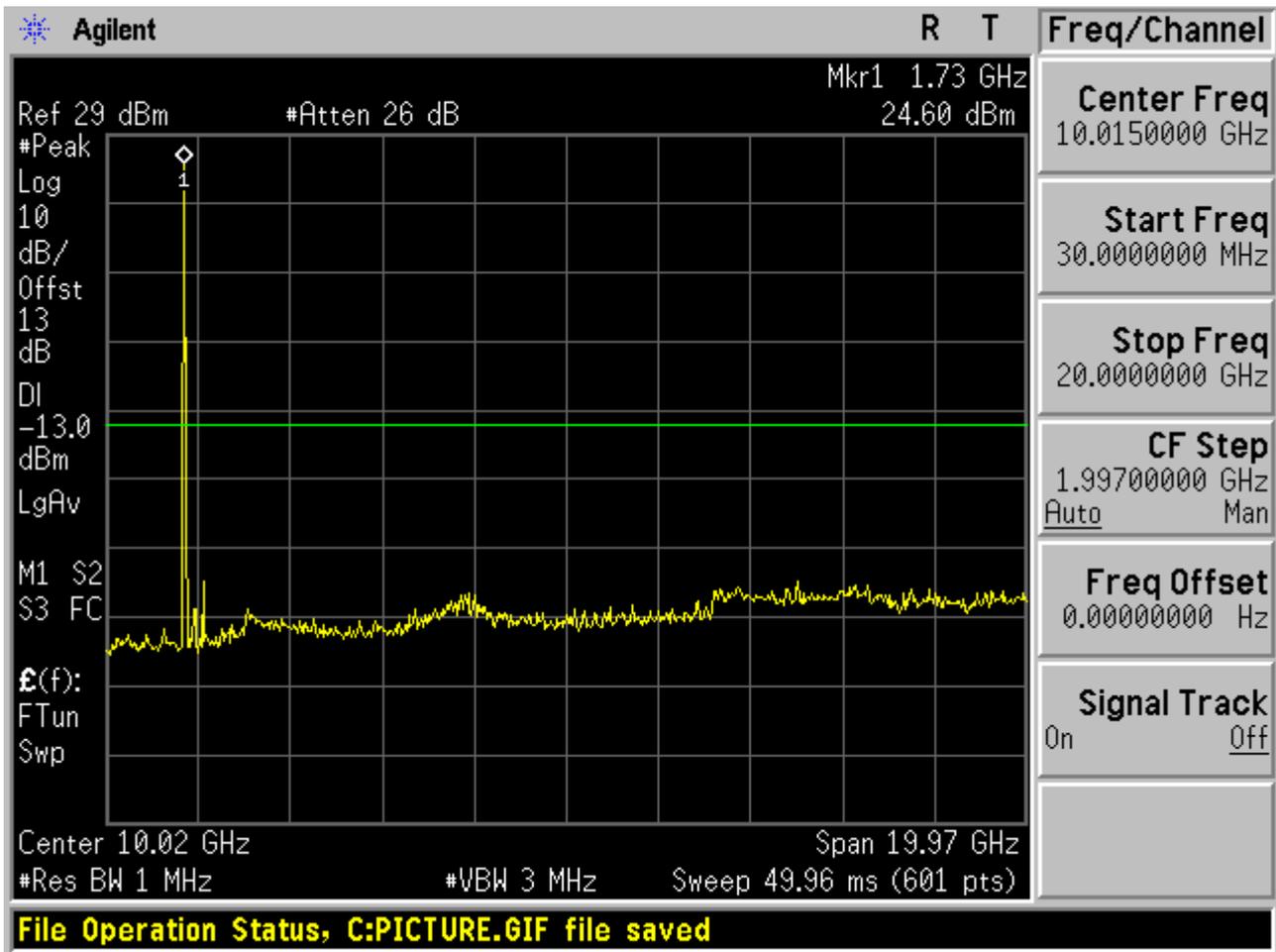


2.2.5.2 Channel = M

2.2.5.2.1 16QAM/1RBs /RB #0



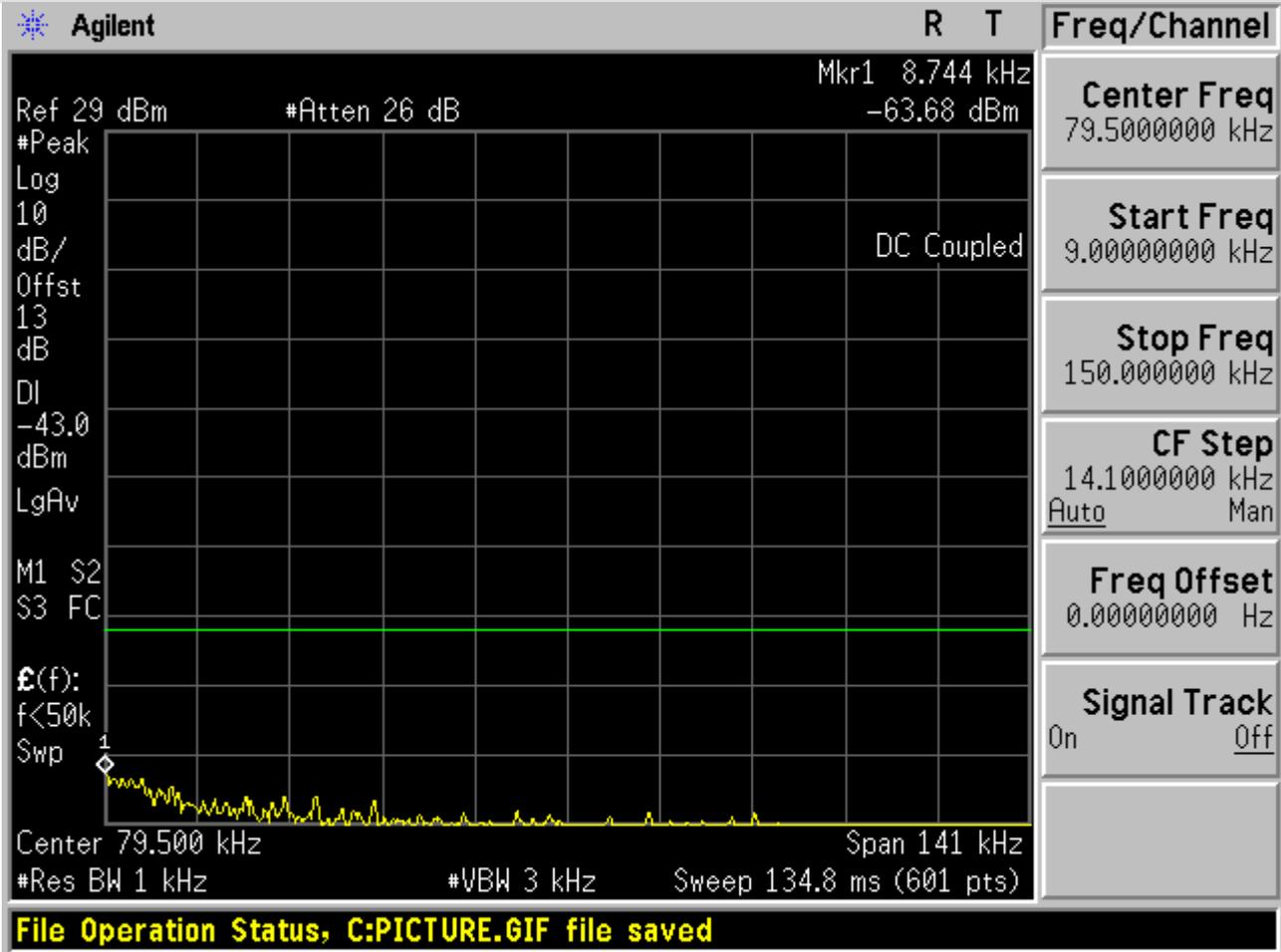


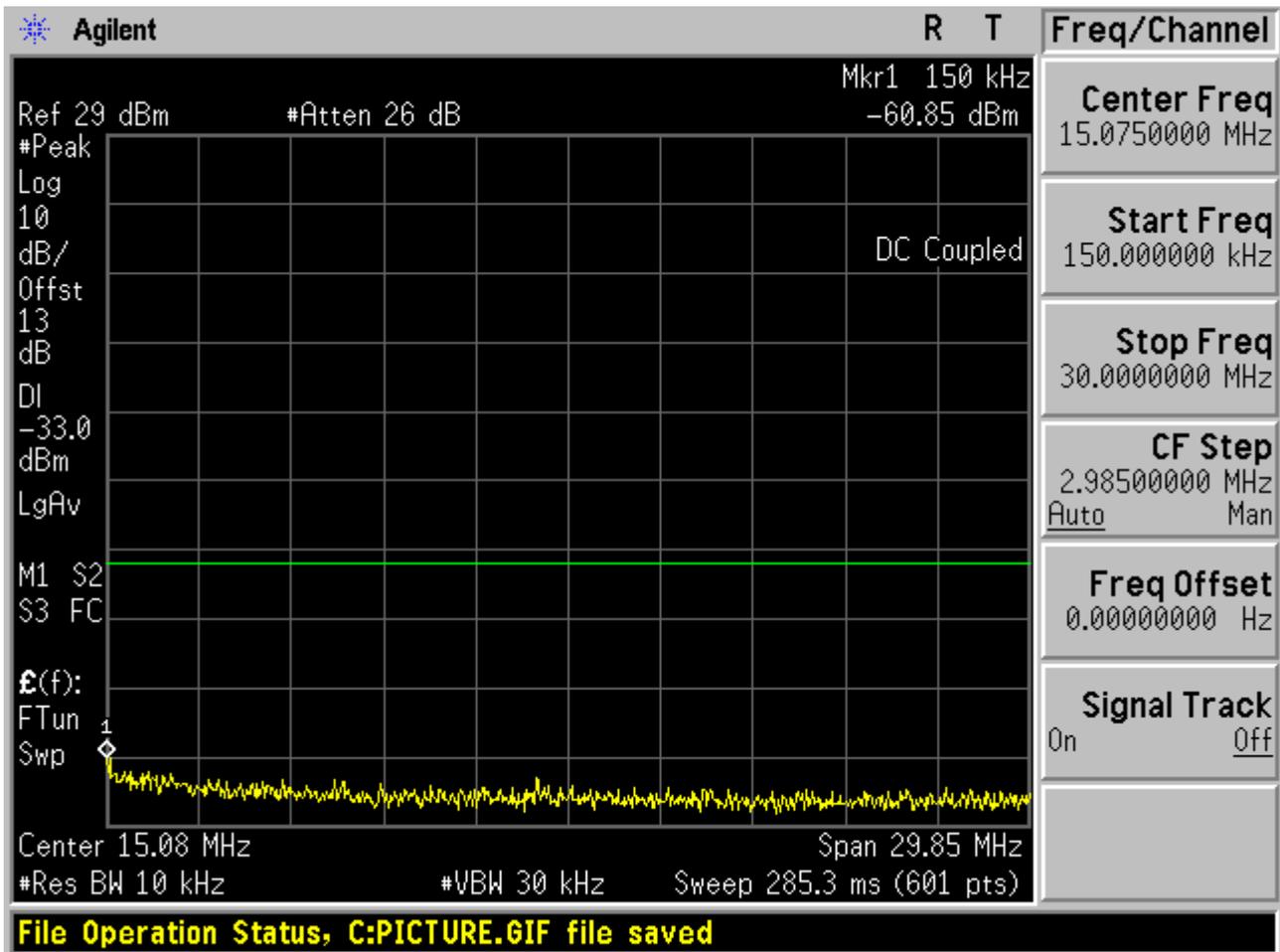


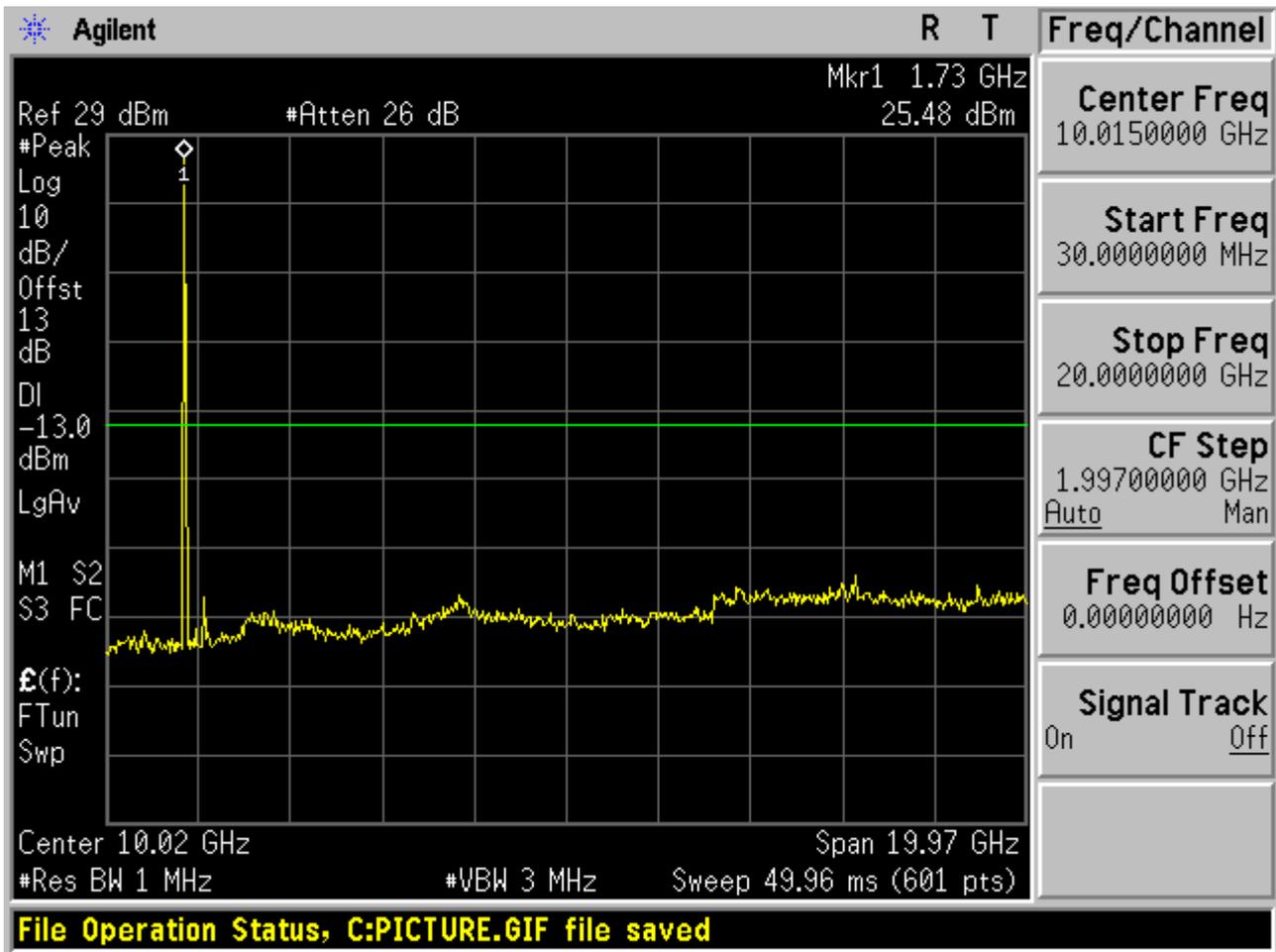


2.2.5.3 Channel = T

2.2.5.3.1 16QAM/1RBs /RB #0





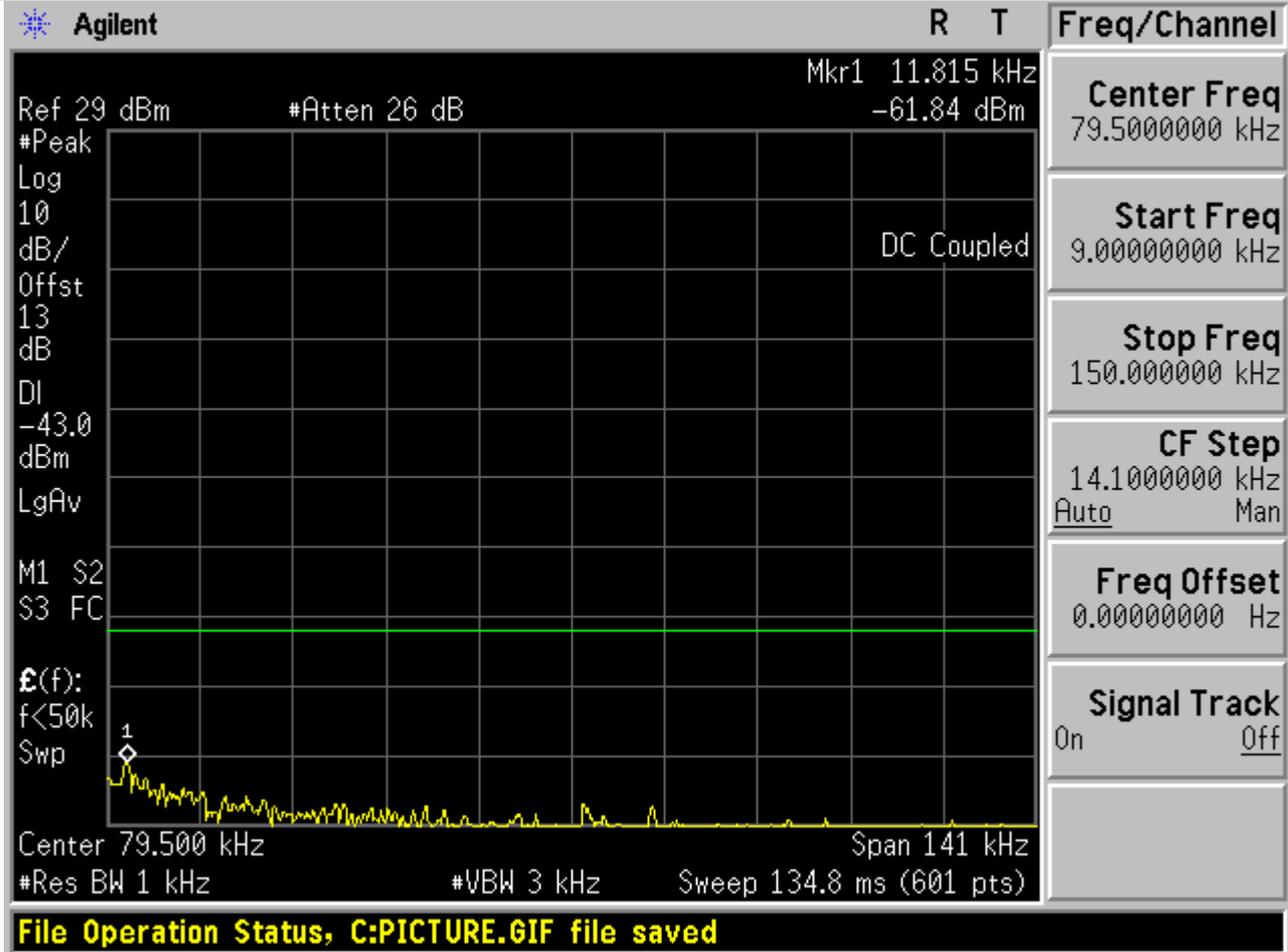


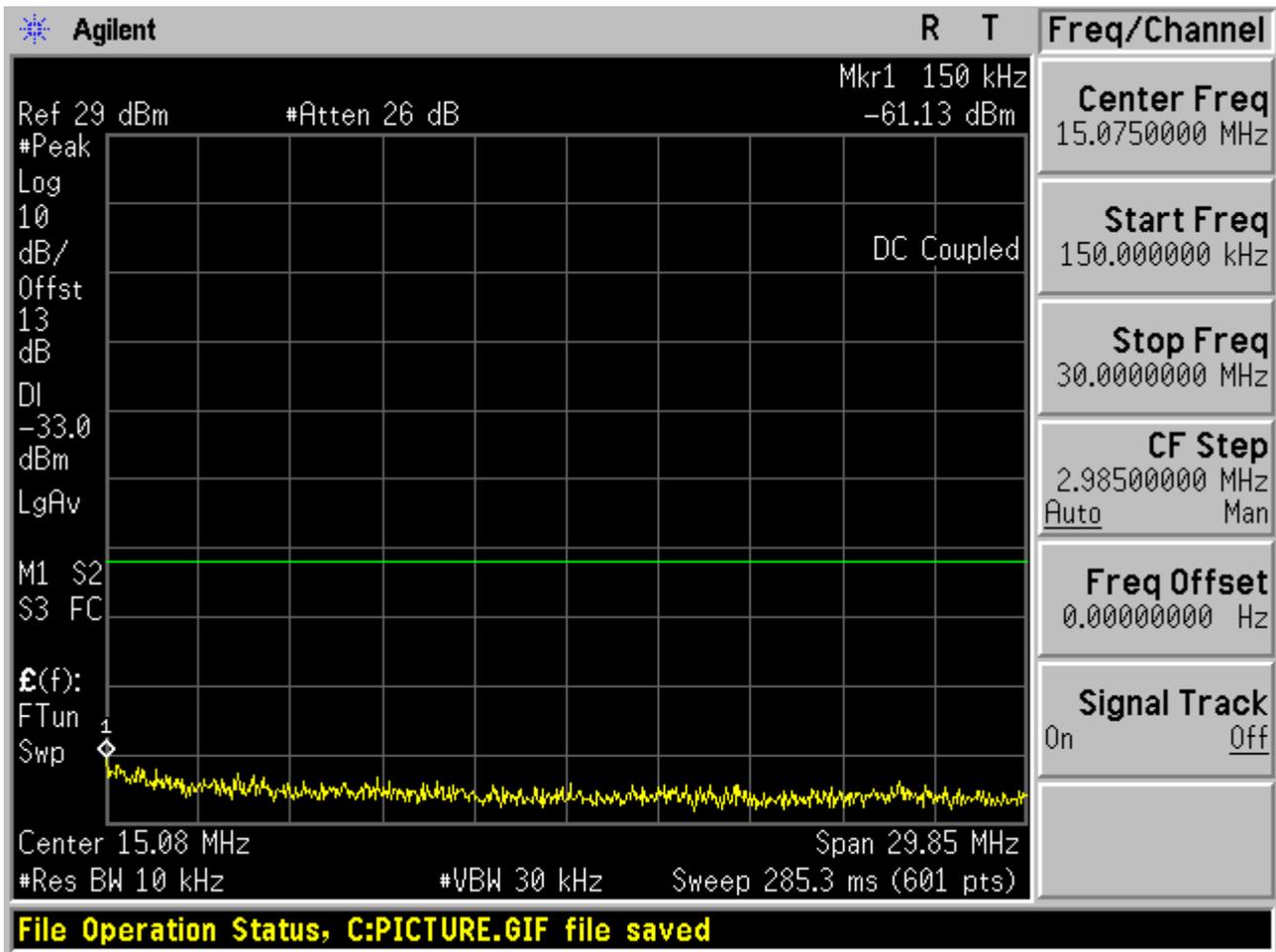


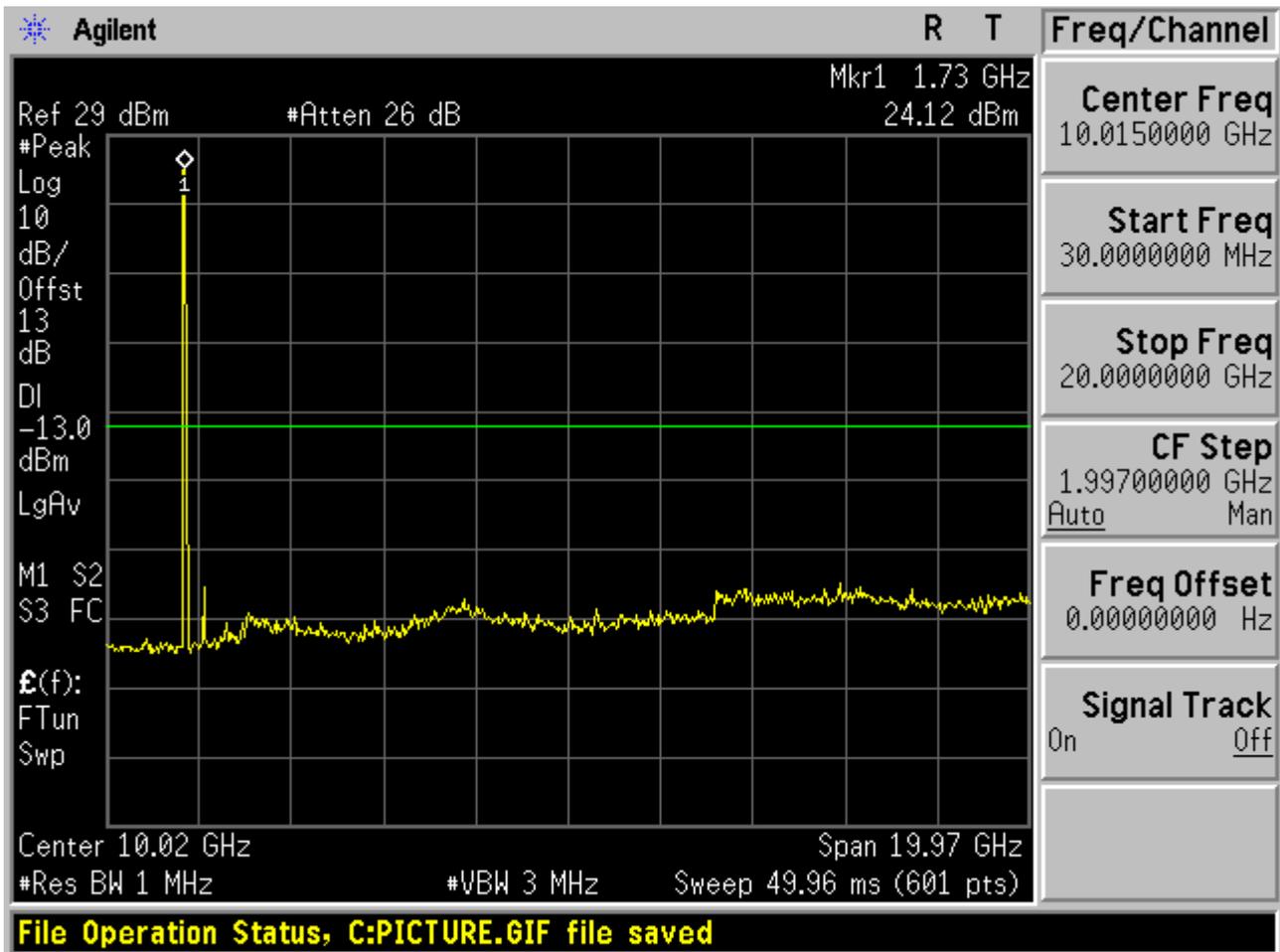
2.2.6 Channel Bandwidth = 20 MHz

2.2.6.1 Channel = B

2.2.6.1.1 16QAM/1RBs /RB #0



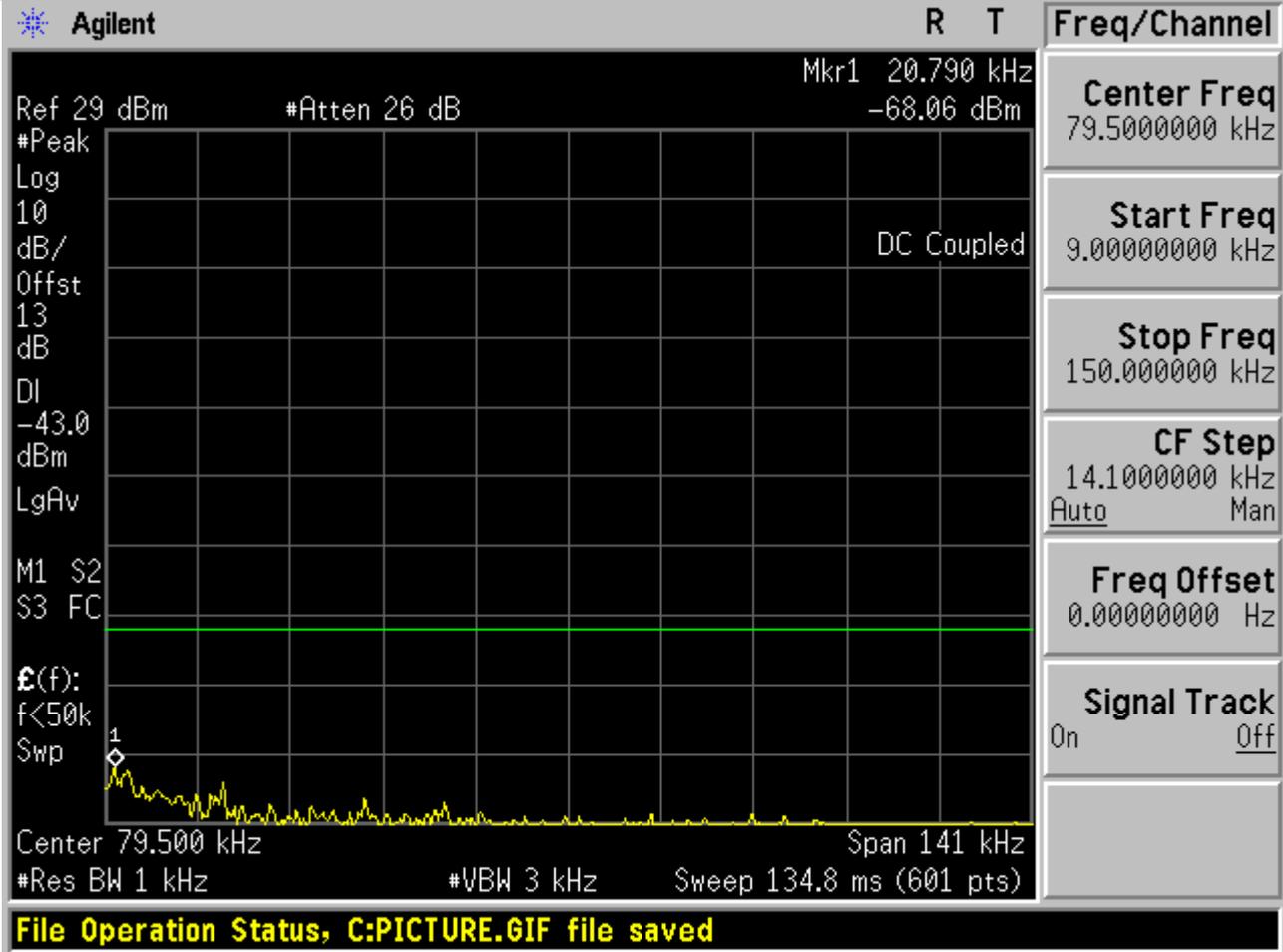


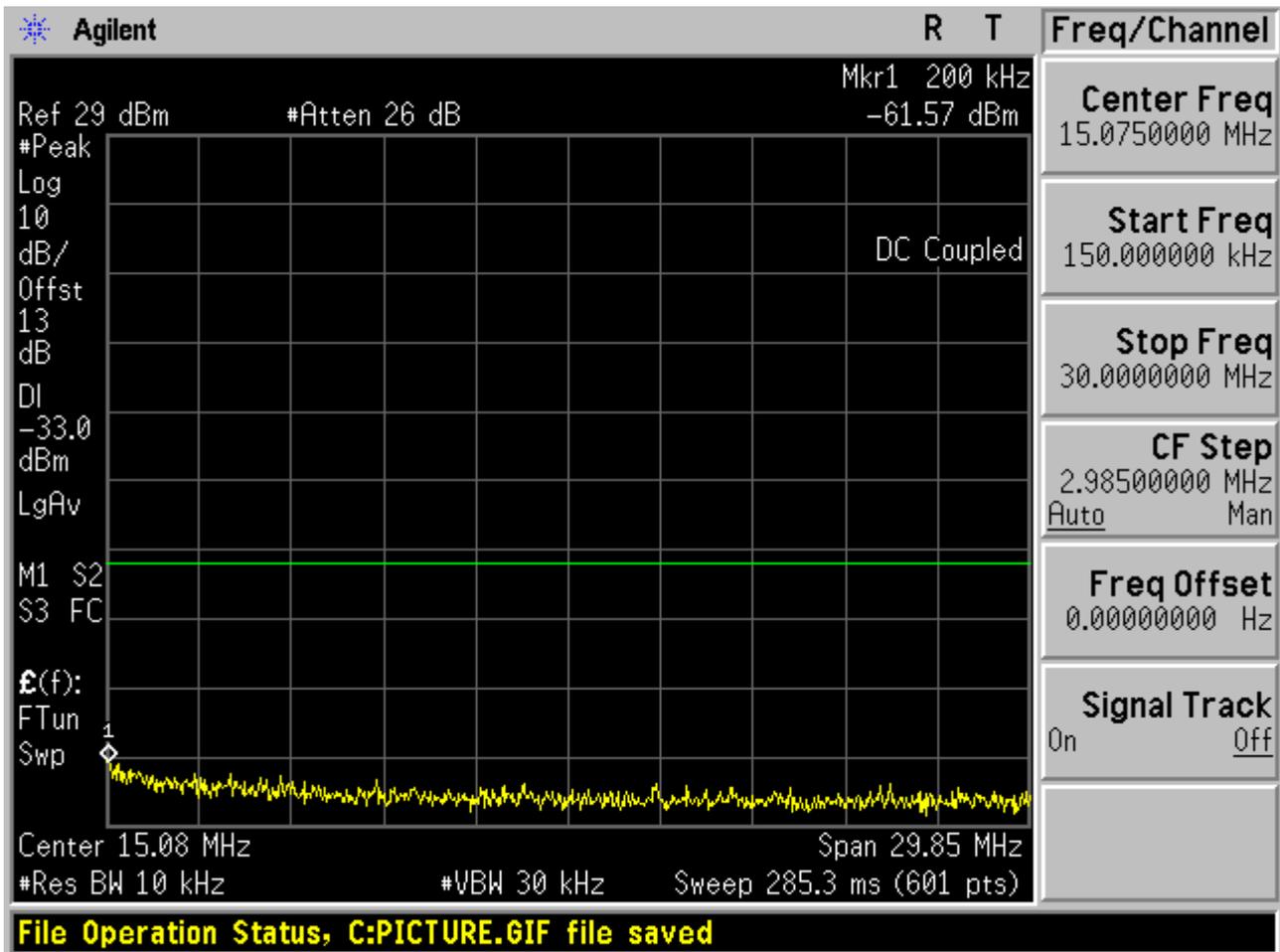


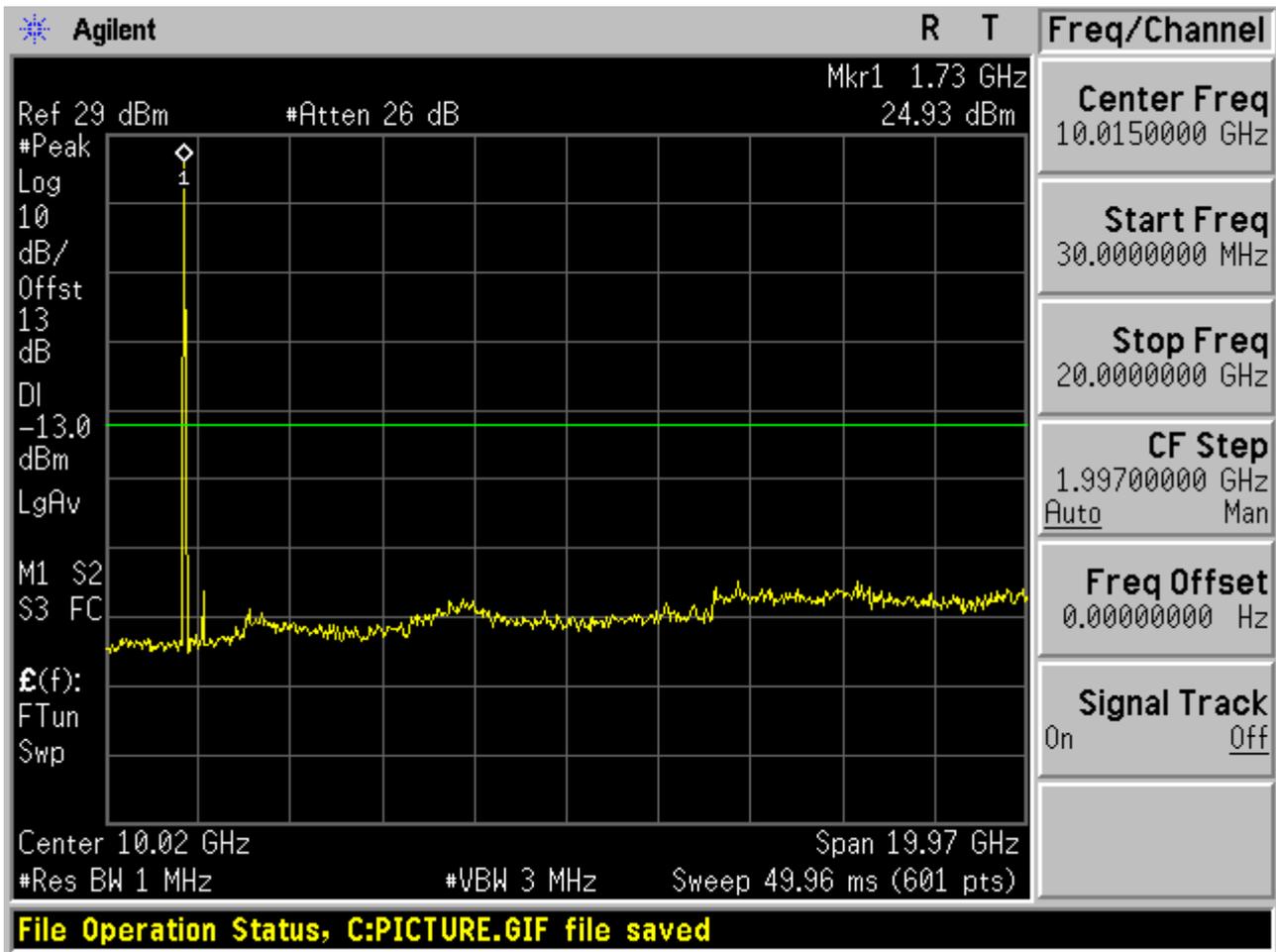


2.2.6.2 Channel = M

2.2.6.2.1 16QAM/1RBs /RB #0



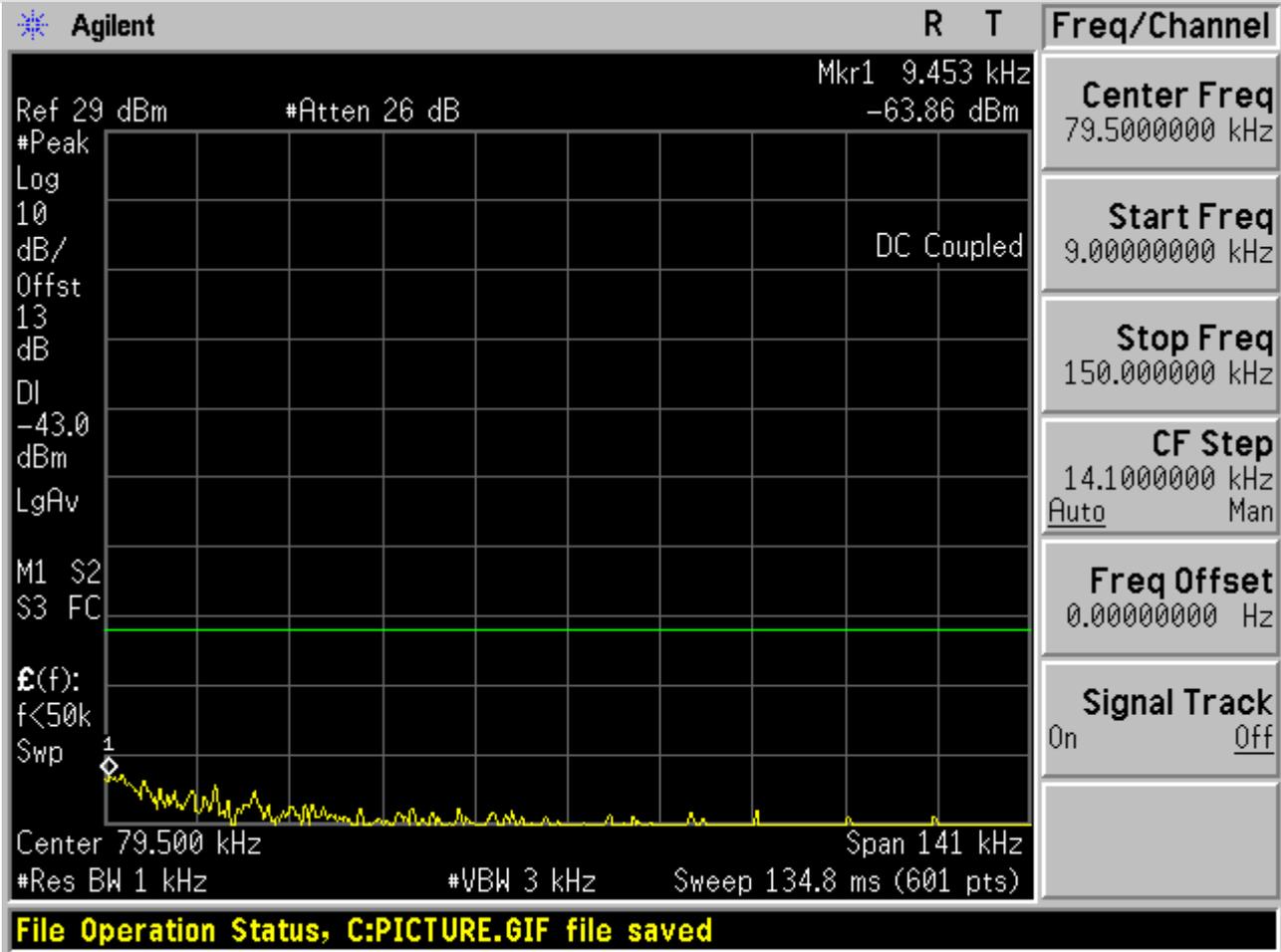


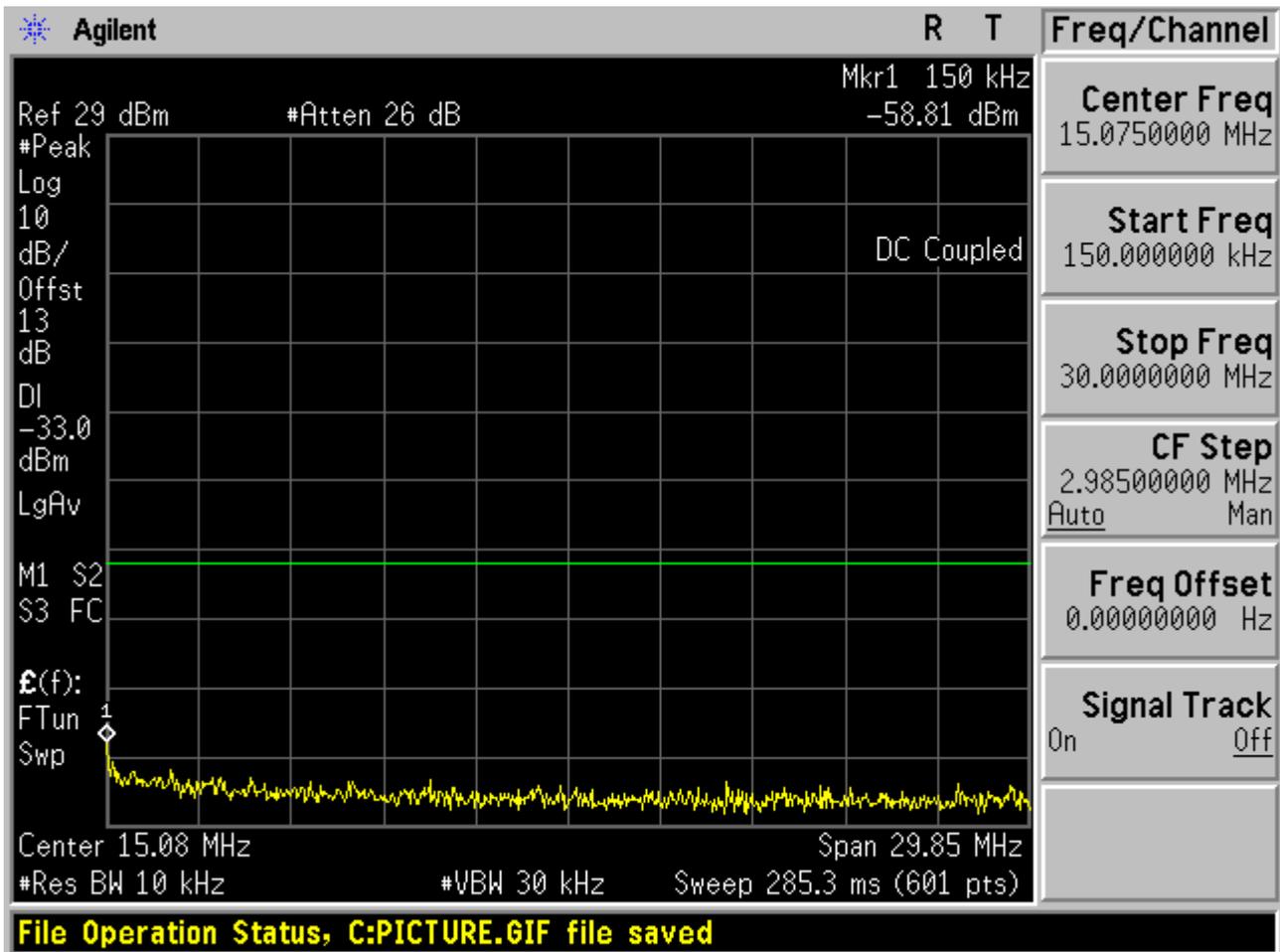


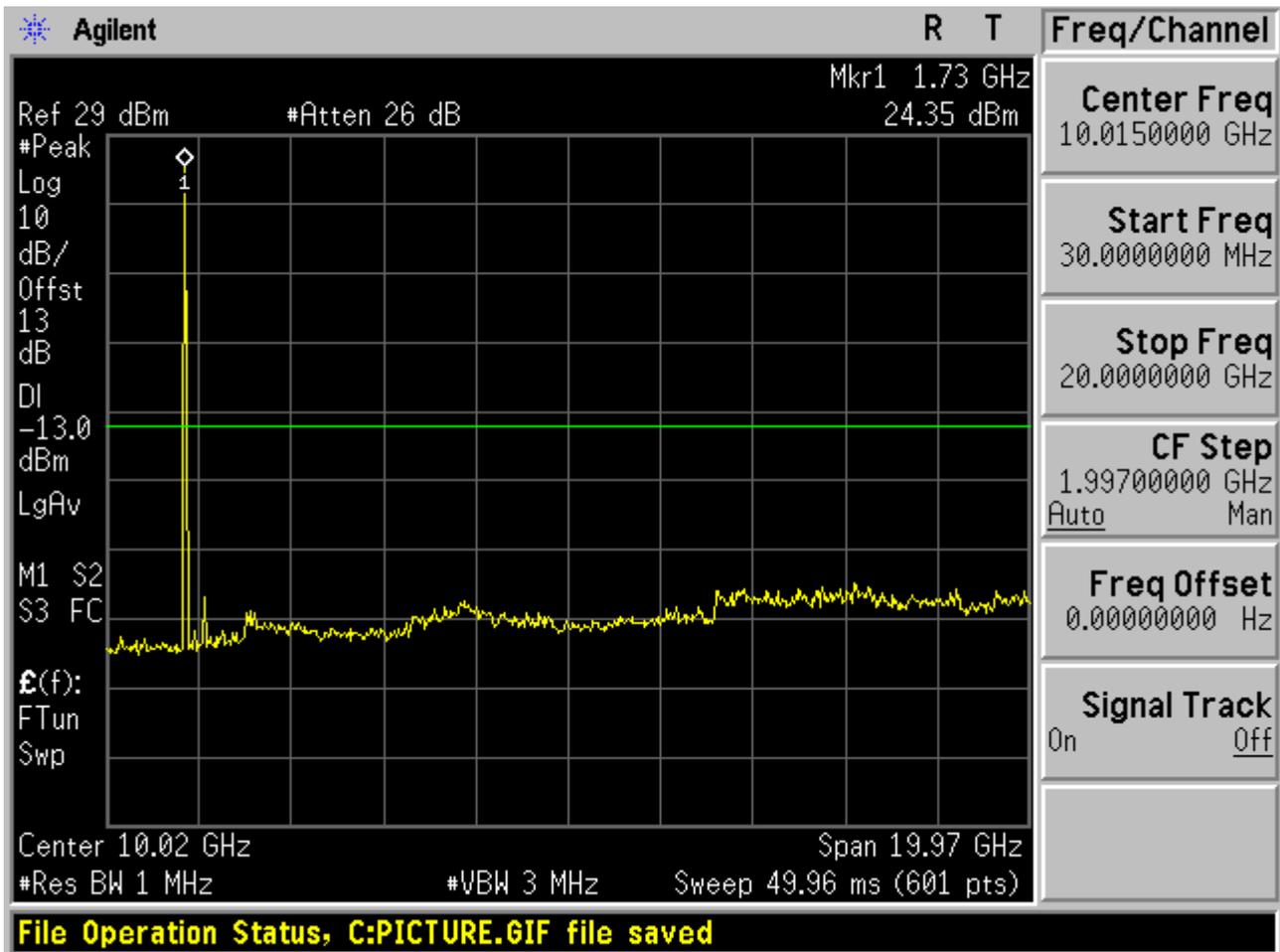


2.2.6.3 Channel = T

2.2.6.3.1 16QAM/1RBs /RB #0







-----END-----



Appendix F

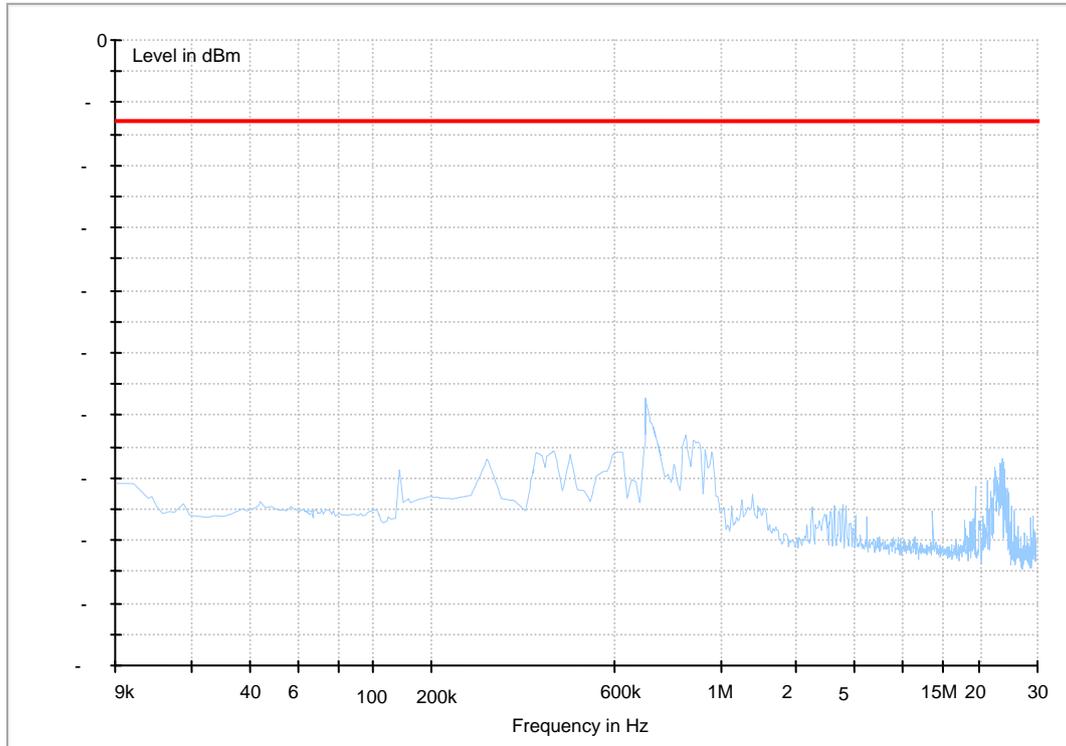
Radiated spurious emission

According to FCC Part 2.1053 & Part 27.53(h) & RSS-139

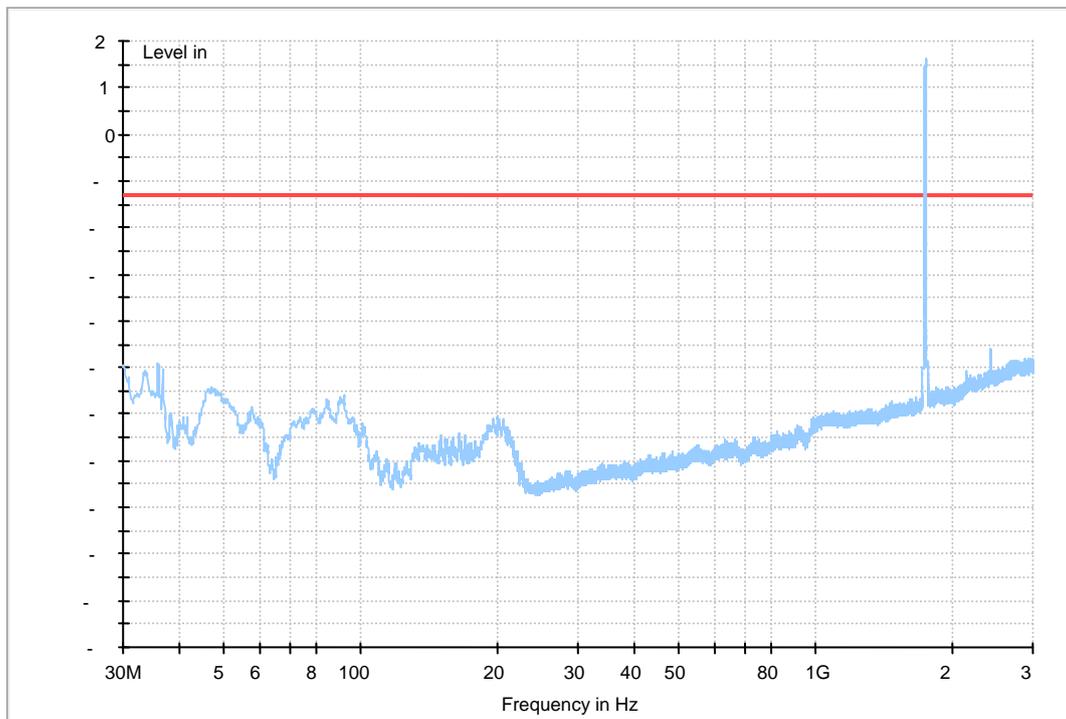
Note: 1. Simultaneous transmission was investigated and no new emissions were found.
2. RBW \geq 1MHz, VBW $>$ 3 x RBW.

WCDMA AWS

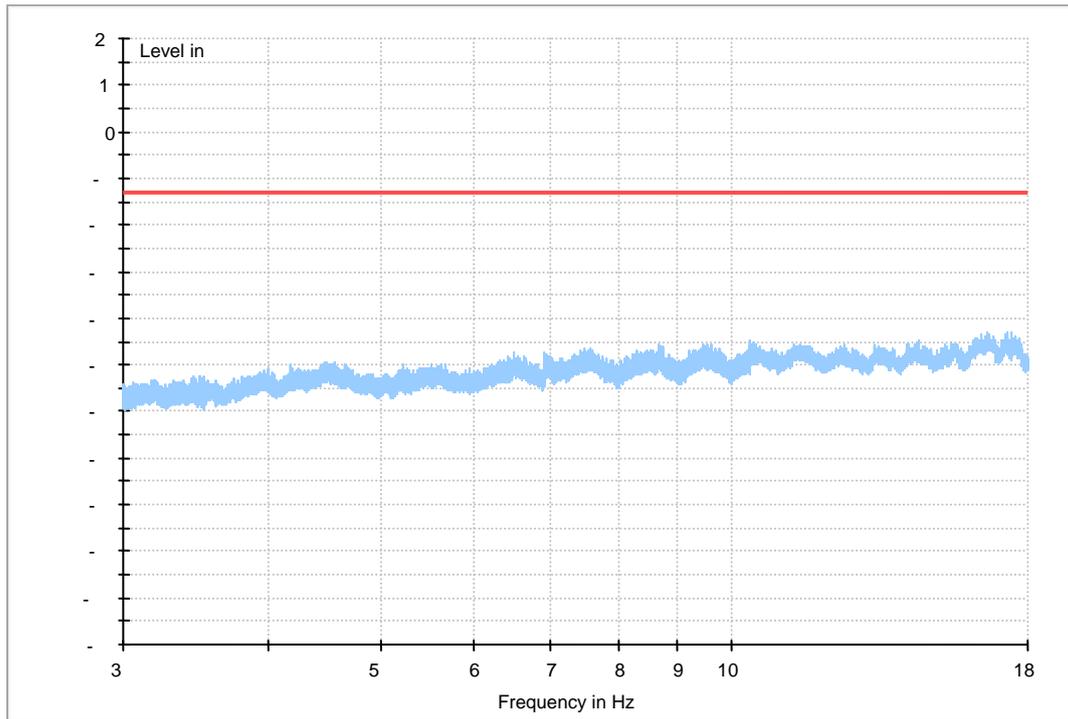
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

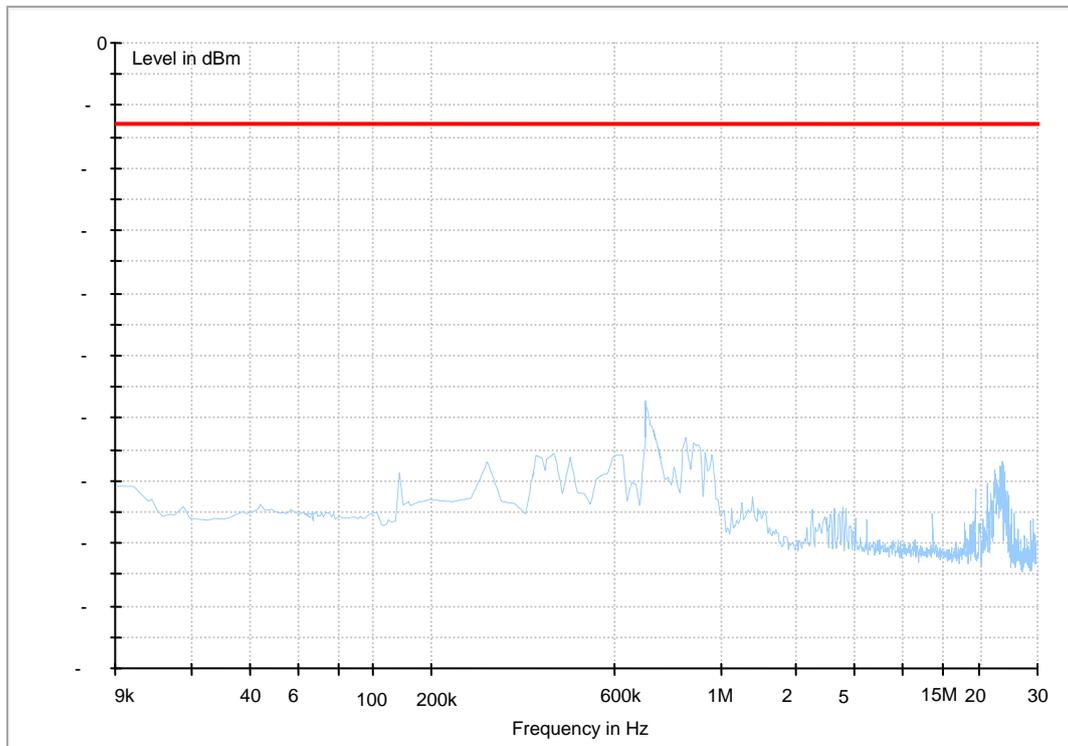


Traffic Mode (3GHz-18GHz)

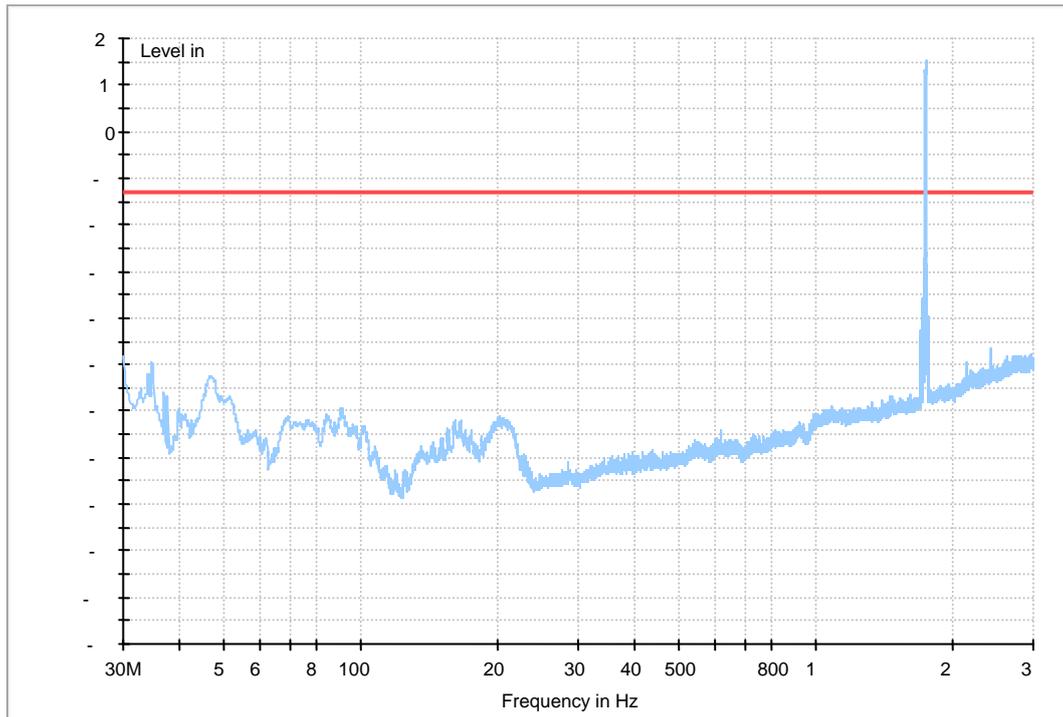


HSDPA AWS

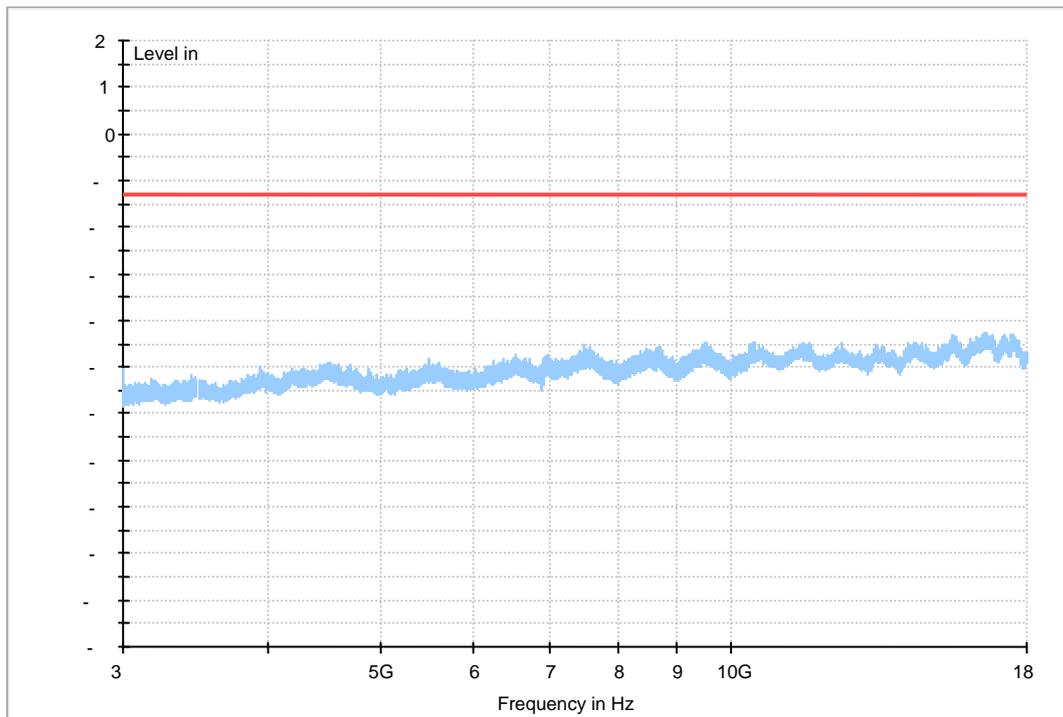
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

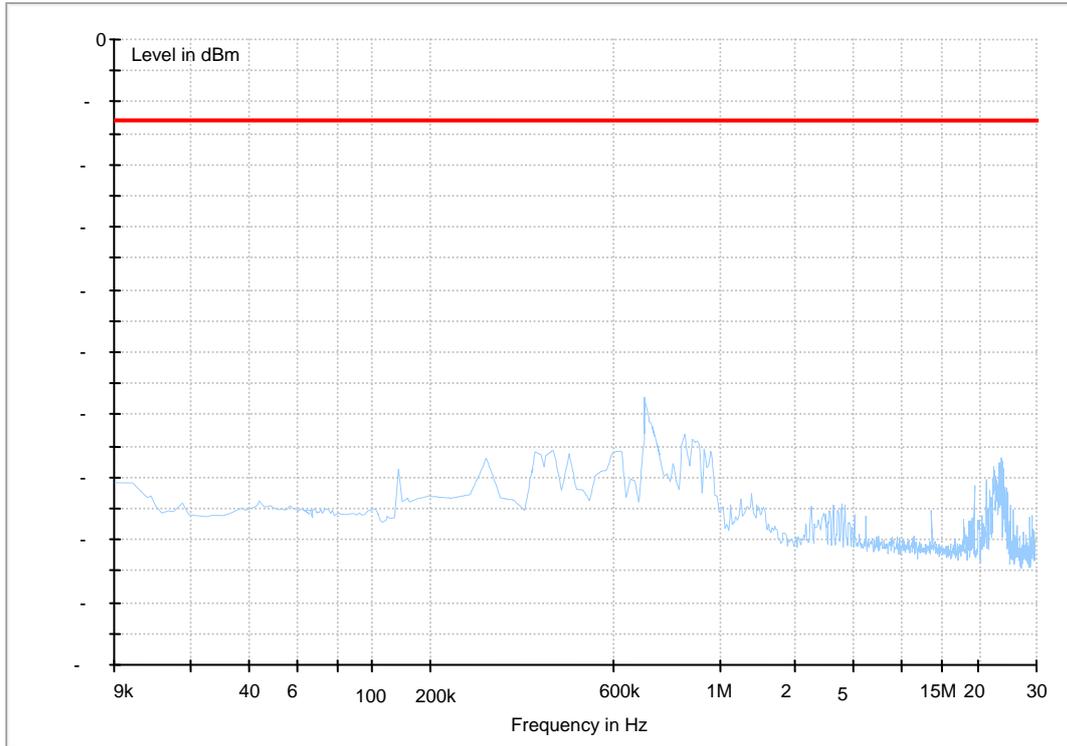


Traffic Mode (3GHz-18GHz)

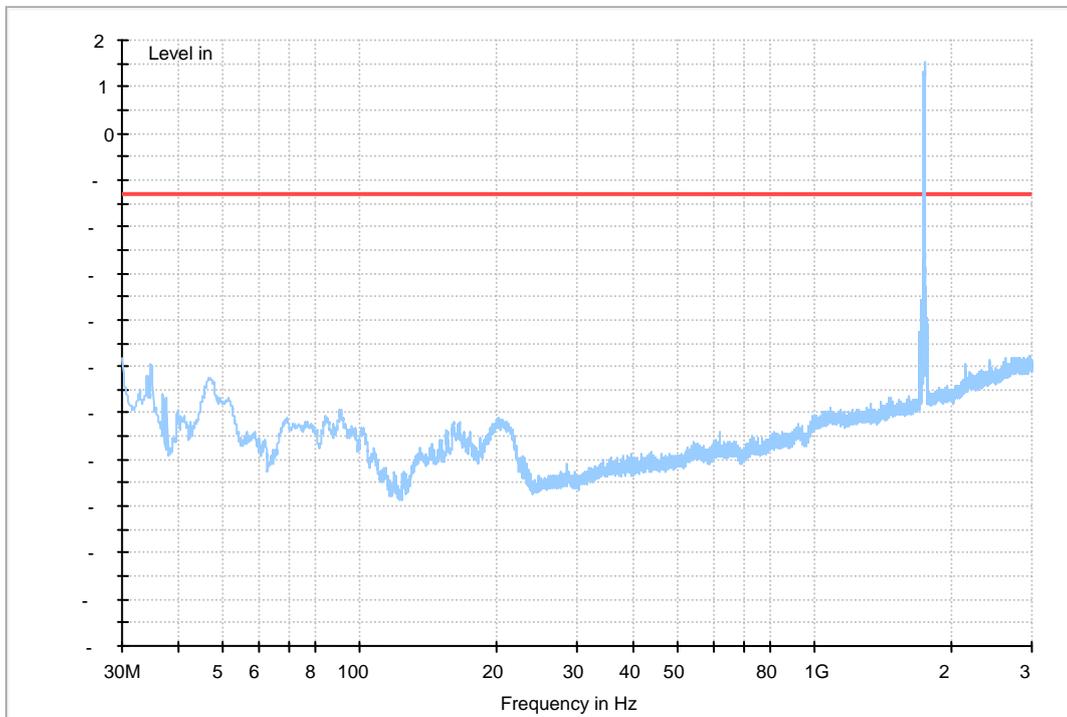


HSUPA AWS

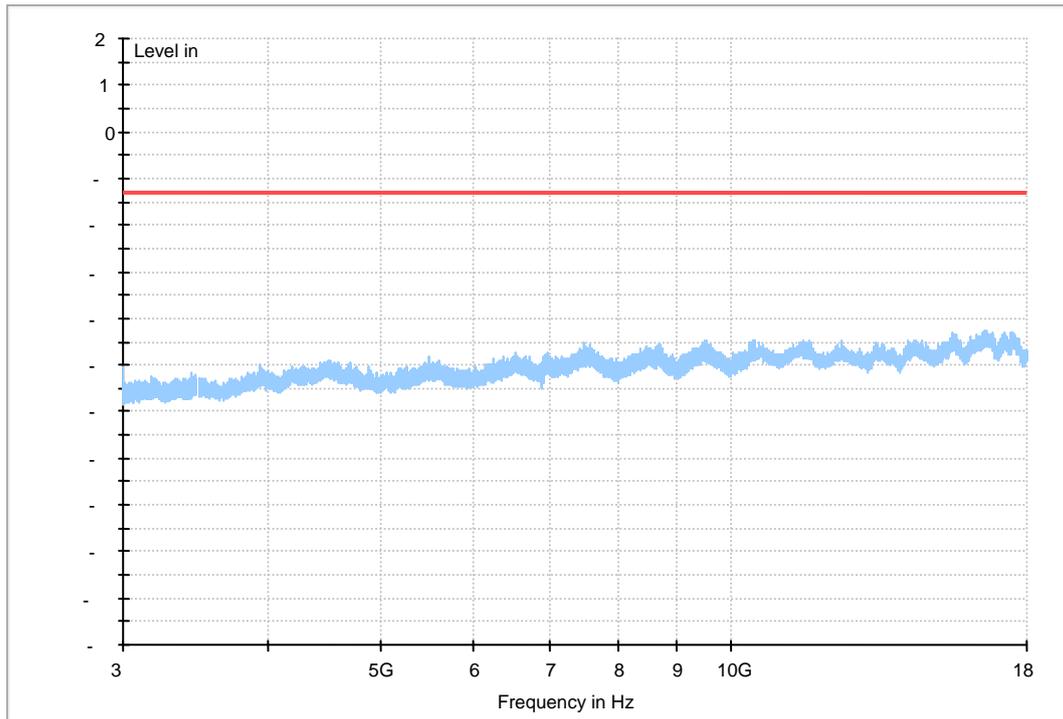
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

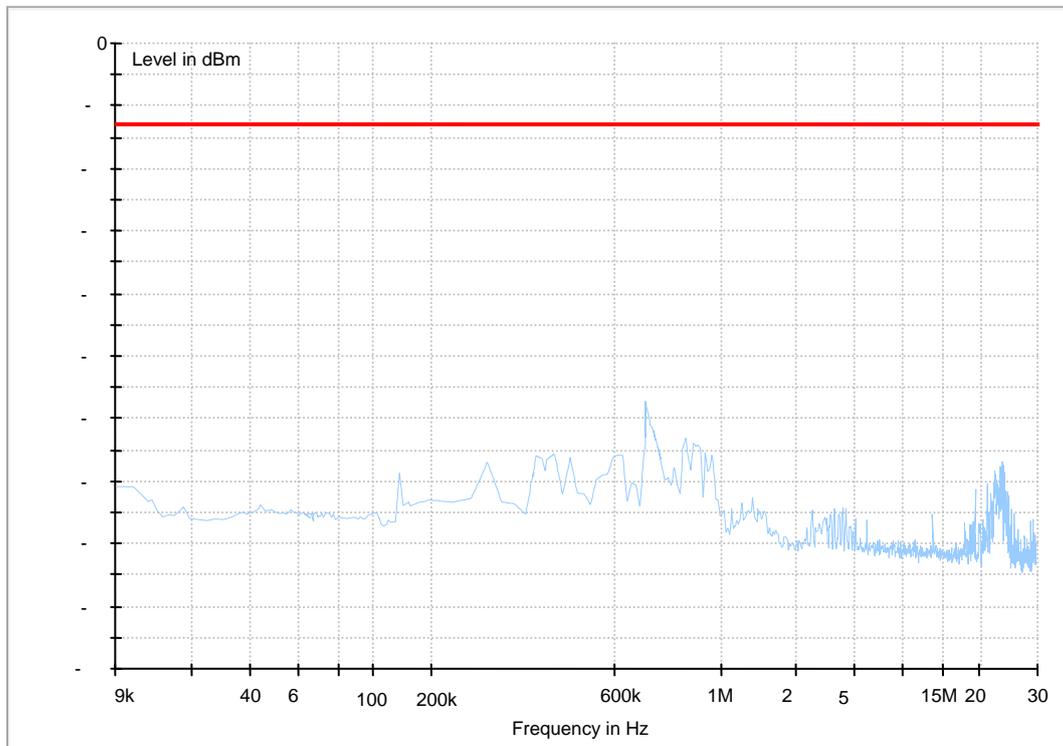


Traffic Mode (3GHz-18GHz)

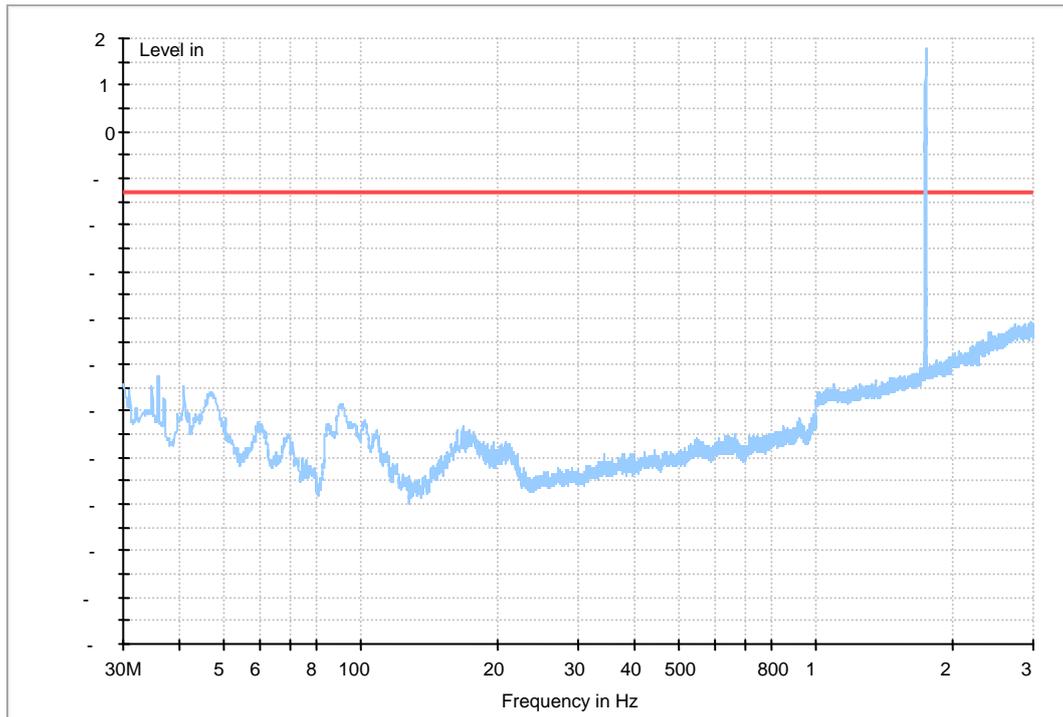


LTE Band 4 1.4M

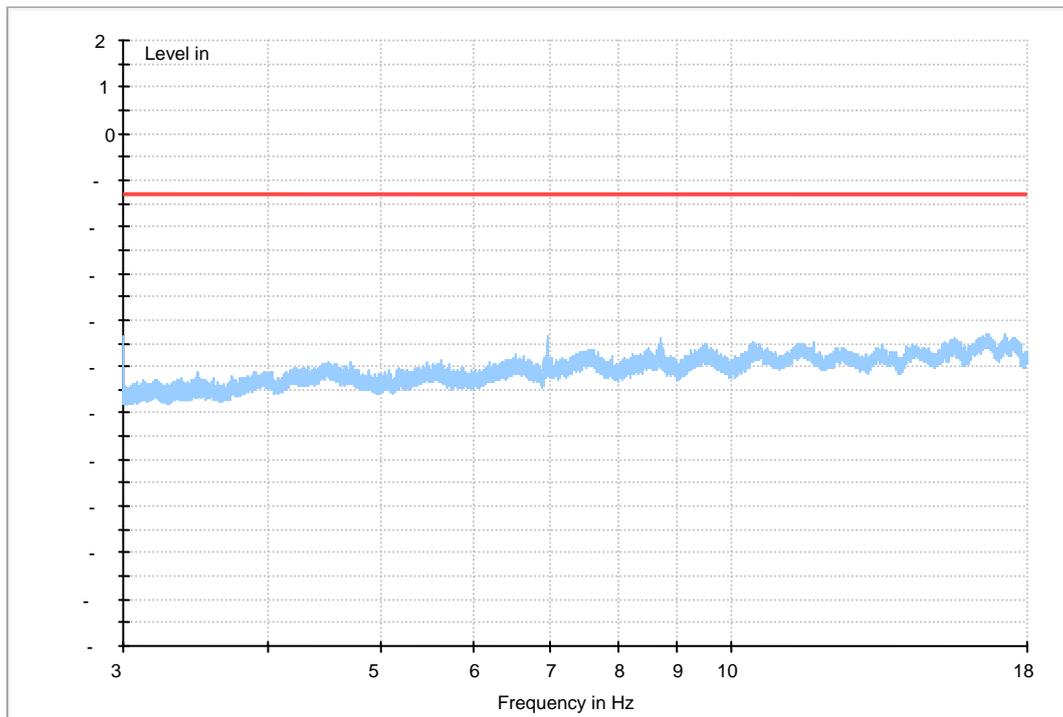
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

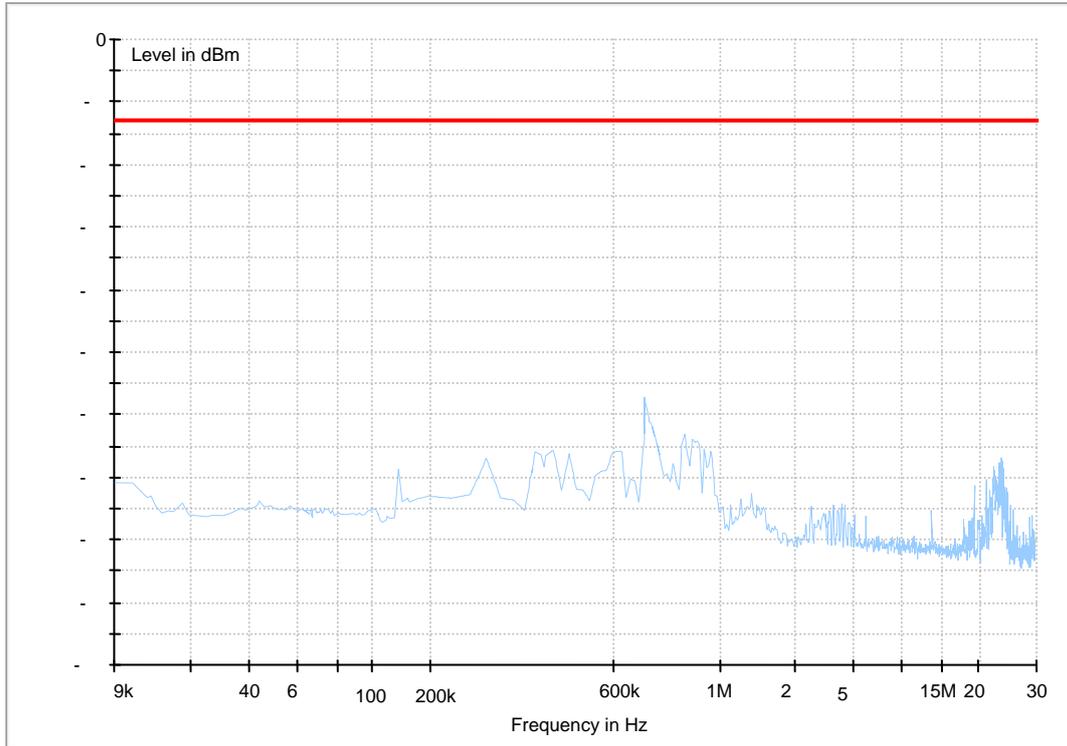


Traffic Mode (3GHz-18GHz)

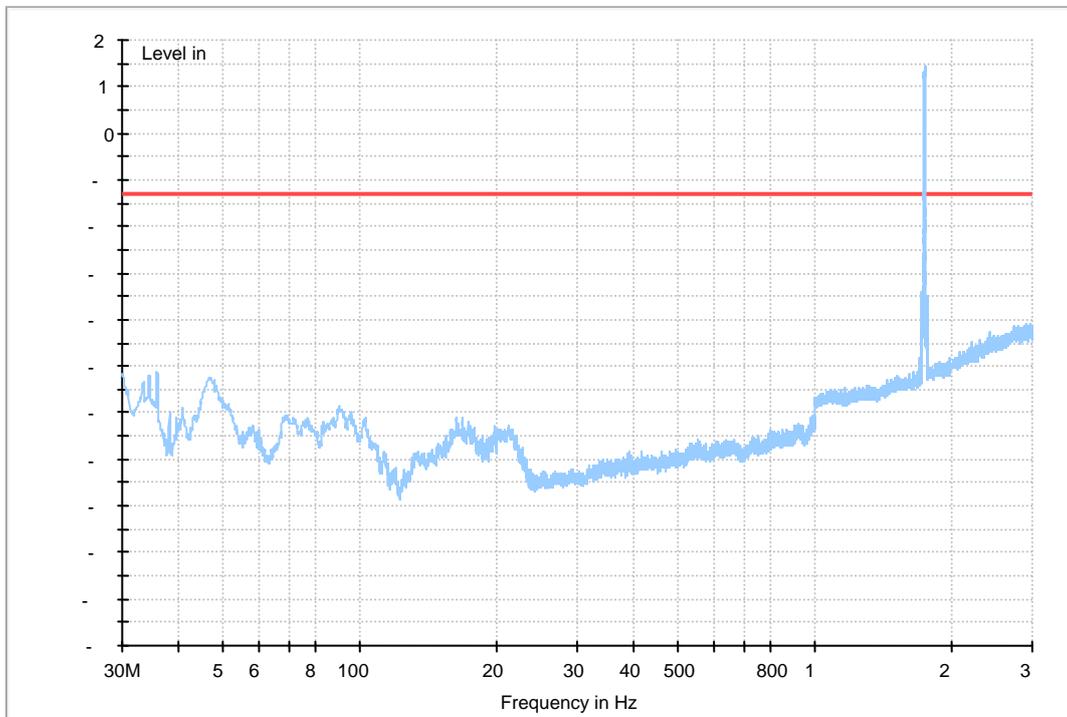


LTE Band 4 5M

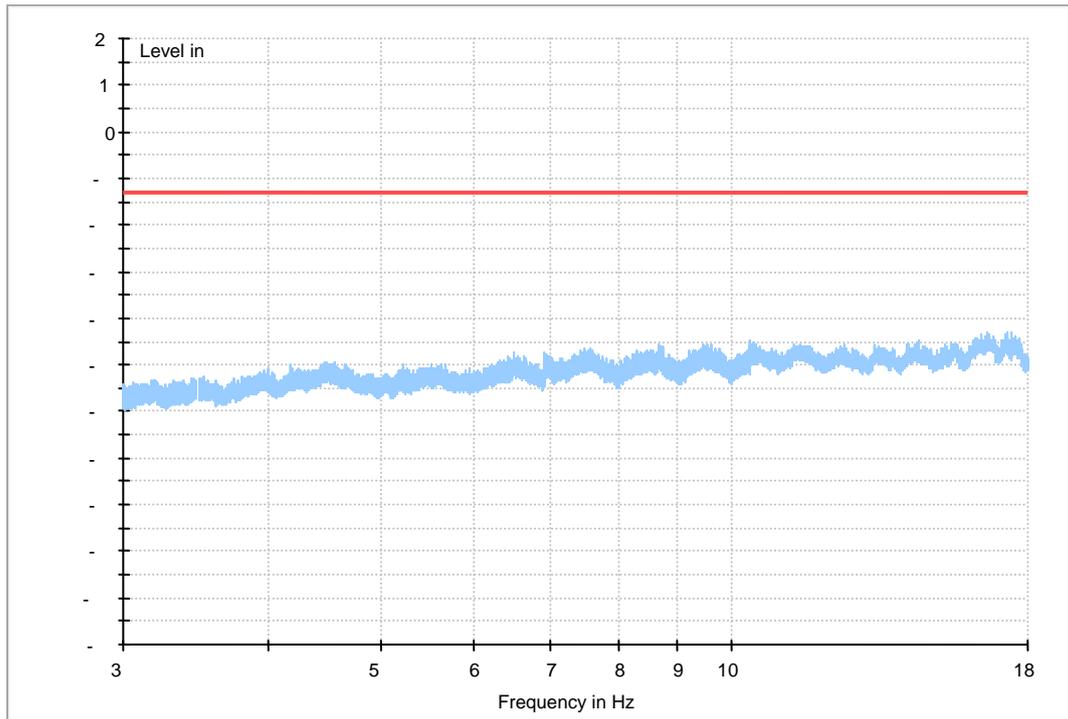
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

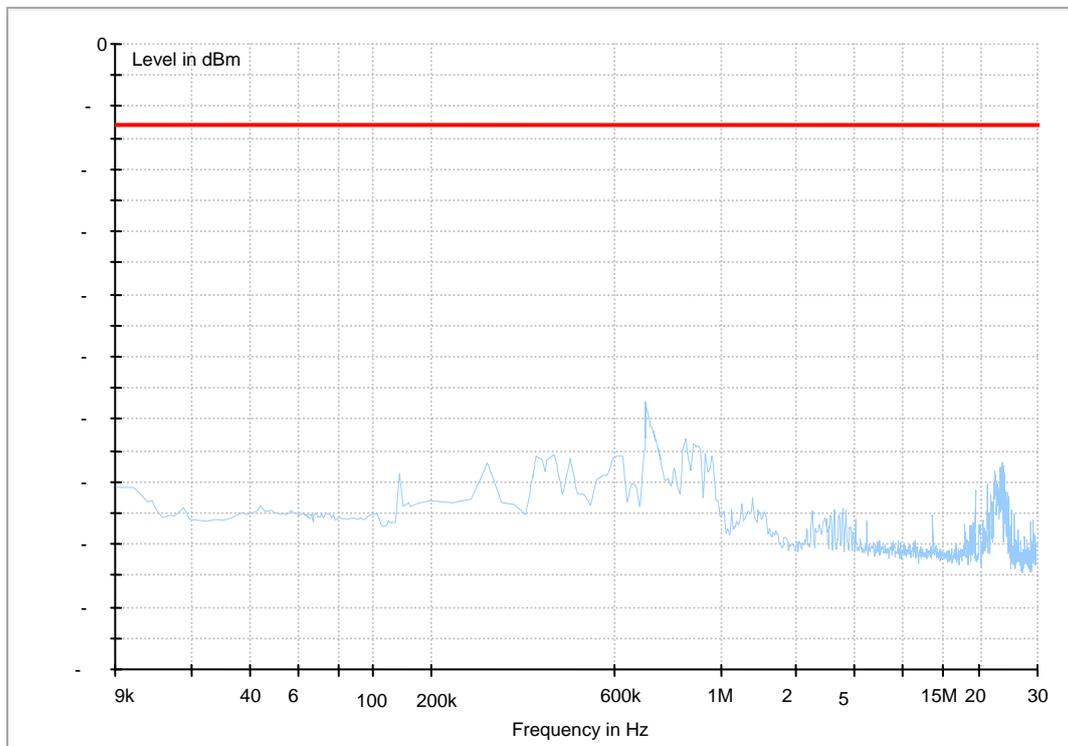


Traffic Mode (3GHz-18GHz)

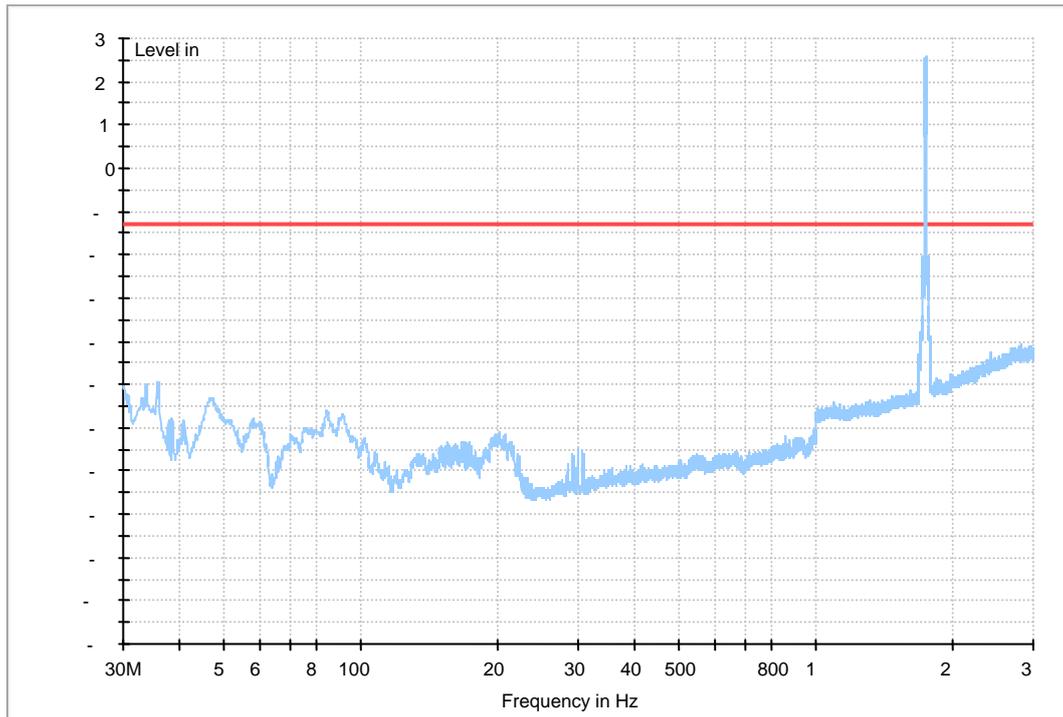


LTE Band 4 20M

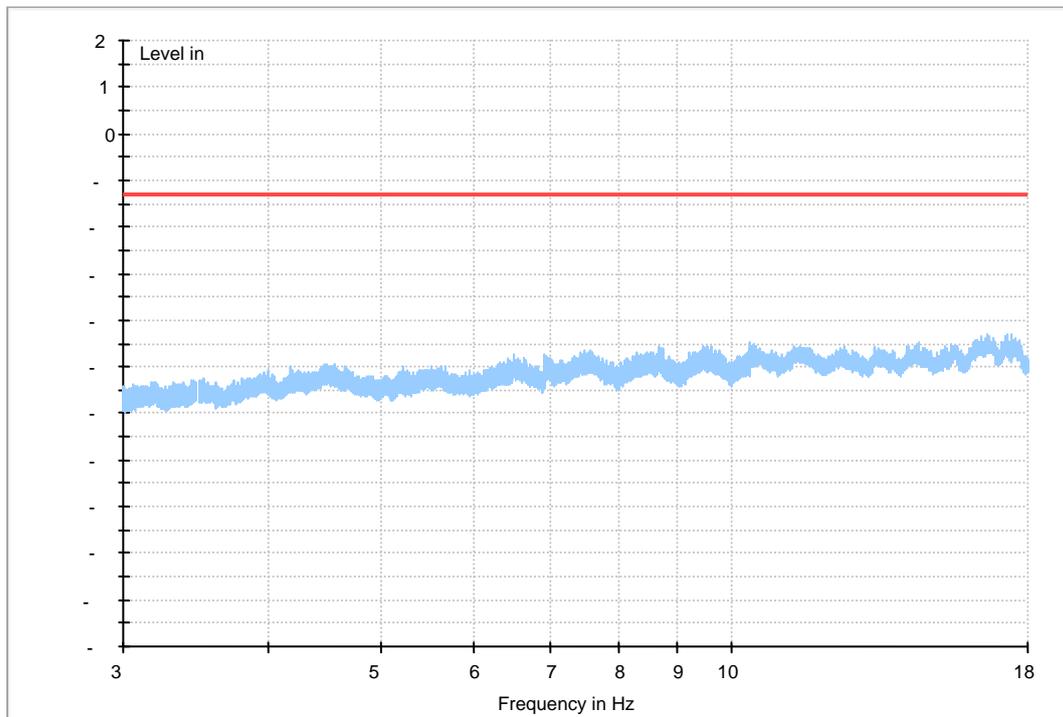
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



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



Appendix G

Frequency Stability

According to FCC Part 2.1055 & Part 27.54 & RSS-139



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	-16	-0.009236	---	±2.5	Pass
			-20 °C	19	0.010967	---	±2.5	Pass
			-10 °C	17	0.009813	---	±2.5	Pass
			0 °C	-25	-0.014431	---	±2.5	Pass
			10 °C	-23	-0.013276	---	±2.5	Pass
			20 °C	15	0.008659	---	±2.5	Pass
			30 °C	-7	-0.004041	---	±2.5	Pass
			40 °C	11	0.006350	---	±2.5	Pass
			50 °C	-13	-0.007504	---	±2.5	Pass
TM4(1.4 M)	M	VN	-30 °C	-13	-0.007504	---	±2.5	Pass
			-20 °C	-24	-0.013853	---	±2.5	Pass
			-10 °C	-15	-0.008658	---	±2.5	Pass
			0 °C	9	0.005195	---	±2.5	Pass
			10 °C	15	0.008658	---	±2.5	Pass
			20 °C	8	0.004618	---	±2.5	Pass
			30 °C	19	0.010967	---	±2.5	Pass
			40 °C	24	0.013853	---	±2.5	Pass
50 °C	-24	-0.013853	---	±2.5	Pass			
TM4(3M)	M	VN	-30 °C	10	0.005772	---	±2.5	Pass
			-20 °C	17	0.009812	---	±2.5	Pass
			-10 °C	25	0.014430	---	±2.5	Pass
			0 °C	17	0.009812	---	±2.5	Pass
			10 °C	-9	-0.005195	---	±2.5	Pass
			20 °C	-23	-0.013276	---	±2.5	Pass
			30 °C	-11	-0.006349	---	±2.5	Pass
			40 °C	15	0.008658	---	±2.5	Pass
50 °C	-24	-0.013853	---	±2.5	Pass			
TM4(5M)	M	VN	-30 °C	-20	-0.011544	---	±2.5	Pass
			-20 °C	7	0.004040	---	±2.5	Pass
			-10 °C	-24	-0.013853	---	±2.5	Pass
			0 °C	-22	-0.012698	---	±2.5	Pass
			10 °C	17	0.009812	---	±2.5	Pass
			20 °C	-6	-0.003463	---	±2.5	Pass
			30 °C	-13	-0.007504	---	±2.5	Pass
			40 °C	14	0.008081	---	±2.5	Pass
50 °C	-9	-0.005195	---	±2.5	Pass			
TM4(10 M)	M	VN	-30 °C	9	0.005195	---	±2.5	Pass
			-20 °C	15	0.008658	---	±2.5	Pass



			-10 °C	10	0.005772	---	±2.5	Pass
			0 °C	21	0.012121	---	±2.5	Pass
			10 °C	15	0.008658	---	±2.5	Pass
			20 °C	16	0.009235	---	±2.5	Pass
			30 °C	-15	-0.008658	---	±2.5	Pass
			40 °C	-22	-0.012698	---	±2.5	Pass
			50 °C	-8	-0.004618	---	±2.5	Pass
TM4(15 M)	M	VN	-30 °C	9	0.005195	---	±2.5	Pass
			-20 °C	12	0.006926	---	±2.5	Pass
			-10 °C	11	0.006349	---	±2.5	Pass
			0 °C	8	0.004618	---	±2.5	Pass
			10 °C	7	0.004040	---	±2.5	Pass
			20 °C	15	0.008658	---	±2.5	Pass
			30 °C	13	0.007504	---	±2.5	Pass
			40 °C	17	0.009812	---	±2.5	Pass
TM4(20 M)	M	VN	50 °C	15	0.008658	---	±2.5	Pass
			-30 °C	15	0.008658	---	±2.5	Pass
			-20 °C	16	0.009235	---	±2.5	Pass
			-10 °C	14	0.008081	---	±2.5	Pass
			0 °C	19	0.010967	---	±2.5	Pass
			10 °C	13	0.007504	---	±2.5	Pass
			20 °C	15	0.008658	---	±2.5	Pass
			30 °C	12	0.006926	---	±2.5	Pass
			40 °C	11	0.006349	---	±2.5	Pass
			50 °C	18	0.010390	---	±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	0.006350	---	±2.5	Pass
			VN	20	0.011545	---	±2.5	Pass
			VH	16	0.009236	---	±2.5	Pass
			VN	13	0.007504	---	±2.5	Pass
			VH	21	0.012122	---	±2.5	Pass
TM4(1.4 M)	M	20 °C	VL	-24	-0.013853	---	±2.5	Pass
			VN	22	0.012698	---	±2.5	Pass
			VH	27	0.015584	---	±2.5	Pass
TM4(3M)	M	20 °C	VL	19	0.010967	---	±2.5	Pass
			VN	27	0.015584	---	±2.5	Pass
			VH	-15	-0.008658	---	±2.5	Pass
TM4(5M)	M	20 °C	VL	24	0.013853	---	±2.5	Pass
			VN	9	0.005195	---	±2.5	Pass
			VH	15	0.008658	---	±2.5	Pass
TM4(10 M)	M	20 °C	VL	-20	-0.011544	---	±2.5	Pass
			VN	-11	-0.006349	---	±2.5	Pass
			VH	18	0.010390	---	±2.5	Pass
TM4(15 M)	M	20 °C	VL	15	0.008658	---	±2.5	Pass
			VN	-13	-0.007504	---	±2.5	Pass
			VH	-18	-0.010390	---	±2.5	Pass
TM4(20 M)	M	20 °C	VL	16	0.009235	---	±2.5	Pass
			VN	17	0.009812	---	±2.5	Pass
			VH	-14	-0.008081	---	±2.5	Pass

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



Appendix H

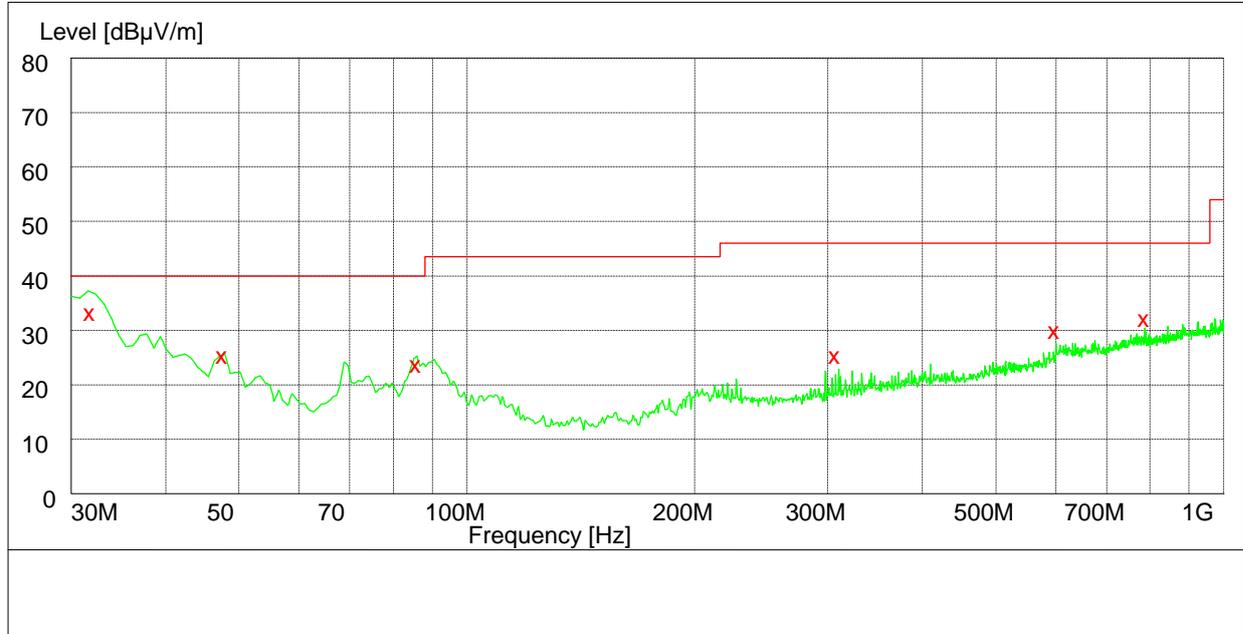
Receiver Spurious Emissions

According to RSS-139



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

30MHz-1GHz

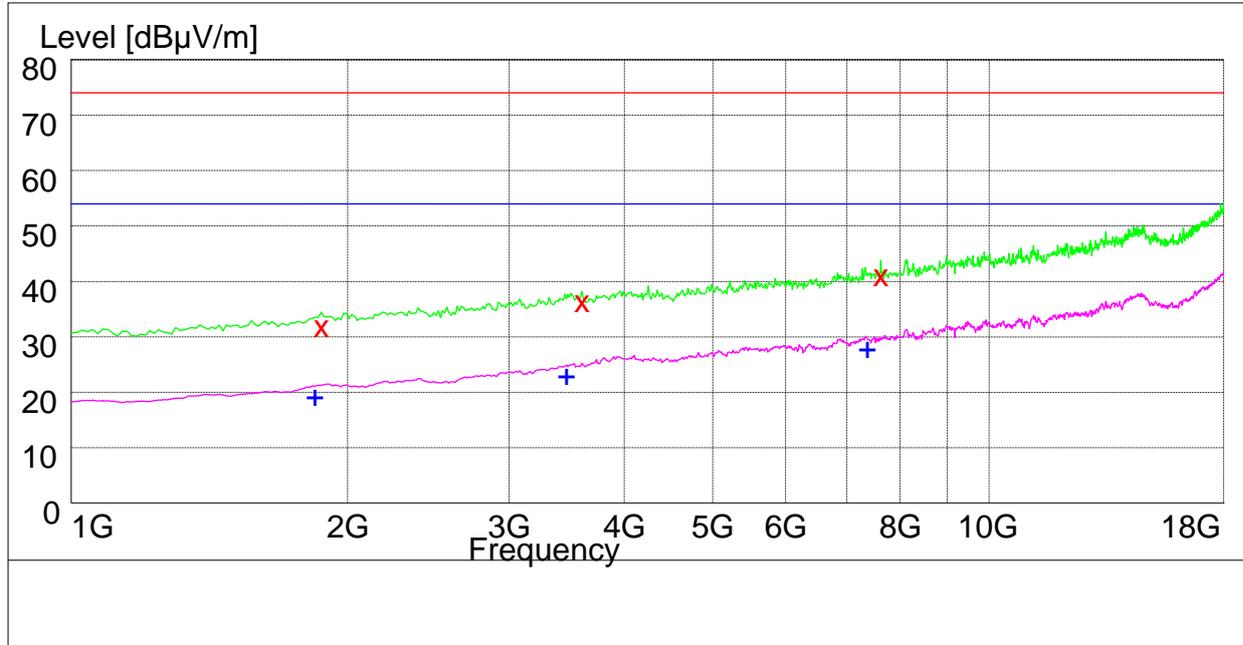


MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV/m	Trans d dB	Limit dBµV/m	Margin dB	Heig ht cm	Azimet h deg	Polarisation
31.860000	32.40	14.6	40.0	7.6	100.0	318.00	VERTICAL
47.700000	24.60	15	40.0	15.4	100.0	72.00	VERTICAL
85.920000	22.90	11.2	40.0	17.1	146.0	115.00	VERTICAL
307.200000	24.60	15.2	46.0	21.4	100.0	276.00	HORIZONTAL
599.700000	29.10	21.3	46.0	16.9	147.0	357.00	VERTICAL
786.840000	31.40	23.4	46.0	14.6	100.0	346.00	VERTICAL



1GHz-18GHz



MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Trans d dB	Limit dBµV/m	Margin dB	Heig ht cm	Azimu t h deg	Polarisation
1874.900000	31.90	-12.3	74.0	42.1	100.0	104.00	HORIZONTAL
3602.600000	36.40	-5.6	74.0	37.6	100.0	261.00	VERTICAL
7624.200000	41.20	4.2	74.0	32.8	100.0	133.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Trans d dB	Limit dBµV/m	Margin dB	Heig ht cm	Azimu t h deg	Polarisation
1836.100000	19.40	-12.6	54.0	34.6	100.0	262.00	VERTICAL
3454.100000	23.10	-6.2	54.0	30.9	100.0	4.00	VERTICAL
7343.700000	28.00	3.1	54.0	26.0	100.0	229.00	VERTICAL

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